

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002547.D
 Acq On : 14 Jun 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:11:49 PM

Quant Time: Jun 15 01:41:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	431375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	194586	42.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.62%	
35) Dibromofluoromethane	5.51	113	156621	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	8.72	98	580906	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.14	95	228851	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	137336	42.045	ug/l	98
3) Chloromethane	1.32	50	156436	41.299	ug/l	99
4) Vinyl Chloride	1.40	62	167049	40.579	ug/l	99
5) Bromomethane	1.64	94	87665	36.745	ug/l	98
6) Chloroethane	1.72	64	117018	43.943	ug/l	99
7) Trichlorofluoromethane	1.93	101	297067	47.362	ug/l	98
8) Diethyl Ether	2.19	74	110095	49.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	175308	51.793	ug/l	99
10) Methyl Iodide	2.51	142	186964	39.271	ug/l	100
11) Tert butyl alcohol	3.07	59	206248	221.729	ug/l	99
12) 1,1-Dichloroethene	2.37	96	147854	44.201	ug/l	98
13) Acrolein	2.29	56	65177	141.869	ug/l	100
14) Allyl chloride	2.73	41	302379	41.654	ug/l	98
15) Acrylonitrile	3.15	53	455335	237.623	ug/l	100
16) Acetone	2.45	43	470064	242.684	ug/l	100
17) Carbon Disulfide	2.57	76	308918	35.039	ug/l	98
18) Methyl Acetate	2.78	43	220952	49.032	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	587433	50.452	ug/l	99
20) Methylene Chloride	2.85	84	168949	47.410	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	158217	42.891	ug/l	97
22) Diisopropyl ether	3.87	45	585568	48.232	ug/l	97
23) Vinyl Acetate	3.82	43	2460028	209.043	ug/l	99
24) 1,1-Dichloroethane	3.70	63	318298	44.364	ug/l	100
25) 2-Butanone	4.71	43	655973	212.918	ug/l	99
26) 2,2-Dichloropropane	4.59	77	251759	44.890	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	180214	44.923	ug/l	93
28) Bromochloromethane	5.02	49	153498	50.327	ug/l	96
29) Tetrahydrofuran	5.16	42	405380	204.082	ug/l	98
30) Chloroform	5.21	83	312648	45.159	ug/l	99
31) Cyclohexane	5.57	56	260423	45.902	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	271597	46.257	ug/l	99
36) 1,1-Dichloropropene	5.80	75	224009	49.396	ug/l	99
37) Ethyl Acetate	4.86	43	253826	46.541	ug/l	100
38) Carbon Tetrachloride	5.79	117	234055	49.334	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	274816	49.055	ug/l	98
40) Benzene	6.15	78	661514	47.574	ug/l	99
41) Methacrylonitrile	5.06	41	145072	46.467	ug/l	98
42) 1,2-Dichloroethane	6.20	62	257160	46.548	ug/l	99
43) Isopropyl Acetate	6.47	43	430411	46.464	ug/l	99
44) Trichloroethene	7.21	130	198228	51.365	ug/l	99
45) 1,2-Dichloropropane	7.52	63	180817	48.168	ug/l	98
46) Dibromomethane	7.66	93	117636	46.227	ug/l	97
47) Bromodichloromethane	7.90	83	220211	47.847	ug/l	98
48) Methyl methacrylate	7.78	41	215857	46.390	ug/l	98
49) 1,4-Dioxane	7.76	88	78584	903.248	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1357681	235.352	ug/l	99
52) Toluene	8.79	92	426603	48.238	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	271370	49.167	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	253694	48.720	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	178958	49.200	ug/l	98
56) Ethyl methacrylate	9.18	69	282387	48.627	ug/l	98
57) 1,3-Dichloropropane	9.38	76	292043	47.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	660794	245.851	ug/l	98
59) 2-Hexanone	9.50	43	1054796	236.725	ug/l	98
60) Dibromochloromethane	9.59	129	181013	49.476	ug/l	99
61) 1,2-Dibromoethane	9.68	107	183101	48.278	ug/l	99
64) Tetrachloroethene	9.34	164	216958	51.694	ug/l	99
65) Chlorobenzene	10.14	112	500551	49.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	184299	50.265	ug/l	99
67) Ethyl Benzene	10.26	91	866447	51.129	ug/l	99
68) m/p-Xylenes	10.37	106	666415	101.165	ug/l	99
69) o-Xylene	10.70	106	326522	49.809	ug/l	100
70) Styrene	10.71	104	550826	51.399	ug/l	100
71) Bromoform	10.86	173	138463	42.708	ug/l #	100
73) Isopropylbenzene	11.02	105	903050	49.642	ug/l	99
74) N-amyl acetate	6.47	43	430411	43.910	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	257211	44.956	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	259531m	45.230	ug/l	
77) Bromobenzene	11.26	156	245647	48.100	ug/l	98
78) n-propylbenzene	11.37	91	1049392	51.901	ug/l	100
79) 2-Chlorotoluene	11.43	91	609520	47.742	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	769354	49.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	74346	45.418	ug/l	97
82) 4-Chlorotoluene	11.52	91	728634	49.445	ug/l	99
83) tert-Butylbenzene	11.77	119	756364	49.780	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	795459	49.526	ug/l	100
85) sec-Butylbenzene	11.95	105	943408	52.963	ug/l	99
86) p-Isopropyltoluene	12.07	119	862361	53.151	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	456505	49.993	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	462376	49.125	ug/l	99
89) n-Butylbenzene	12.39	91	777602	57.145	ug/l	100
90) Hexachloroethane	12.60	117	123245	47.586	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	455905	48.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58651	46.877	ug/l	99

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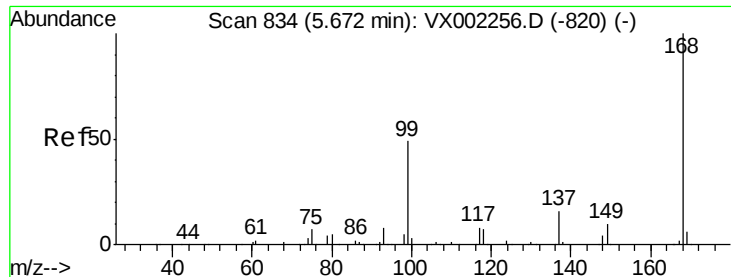
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	355429	53.652	ug/l	100
94) Hexachlorobutadiene	13.79	225	186115	56.853	ug/l	99
95) Naphthalene	13.84	128	946345	49.718	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	352060	52.109	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 314216

Ion Ratio Lower Upper

168 100

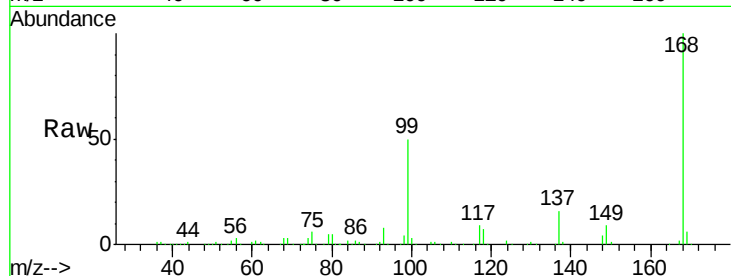
99 49.8 39.3 58.9

Manual Integrations

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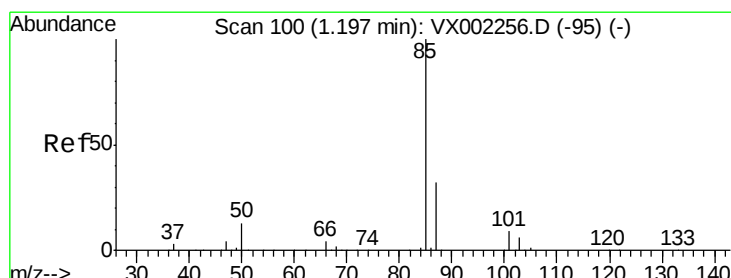
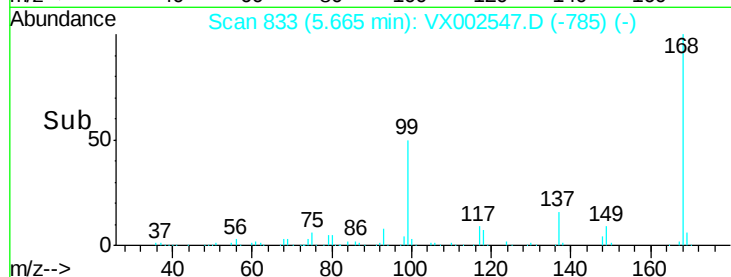
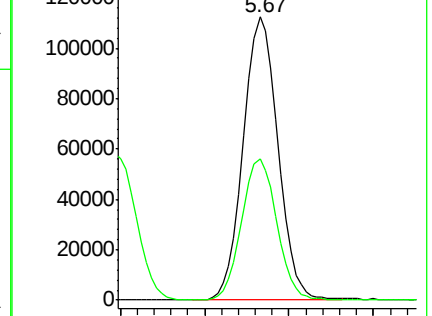
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 42.045 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002547.D

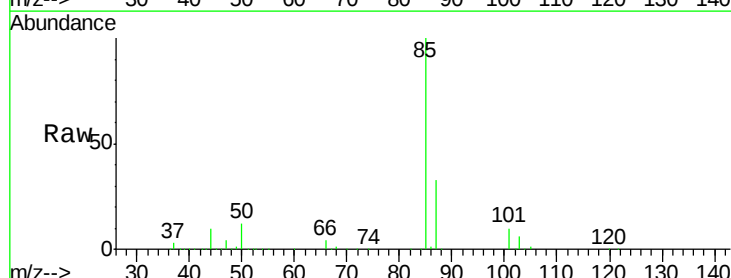
Acq: 14 Jun 2018 10:04

Tgt Ion: 85 Resp: 137336

Ion Ratio Lower Upper

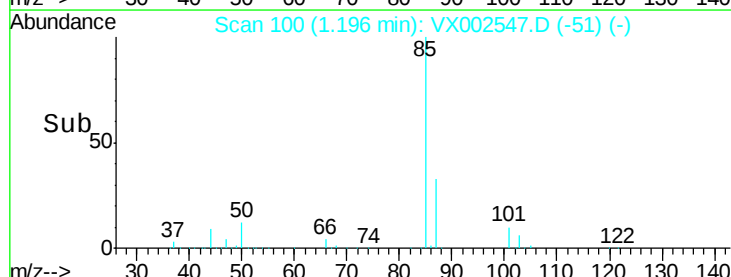
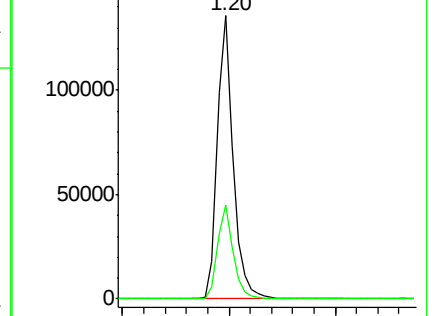
85 100

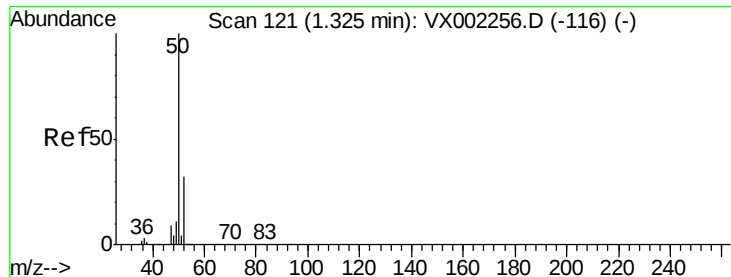
87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 41.299 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156436

Ion Ratio Lower Upper

50 100

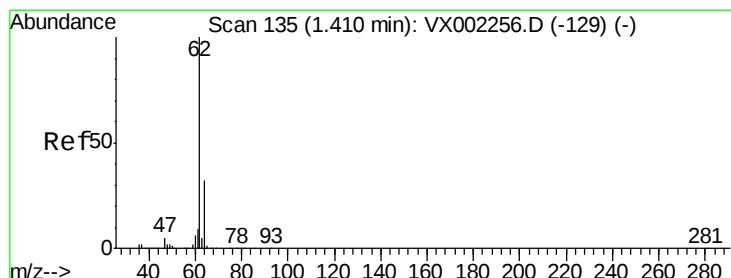
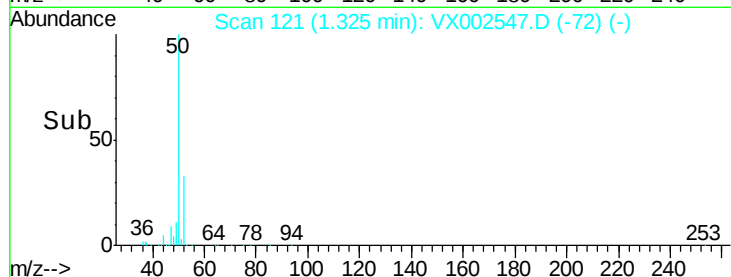
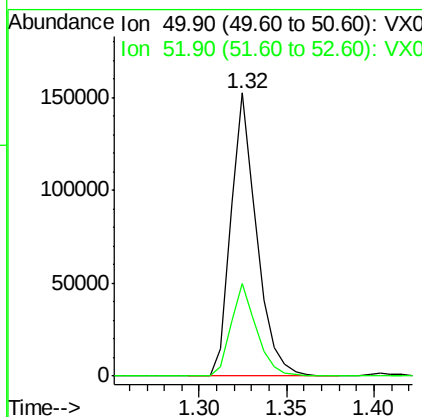
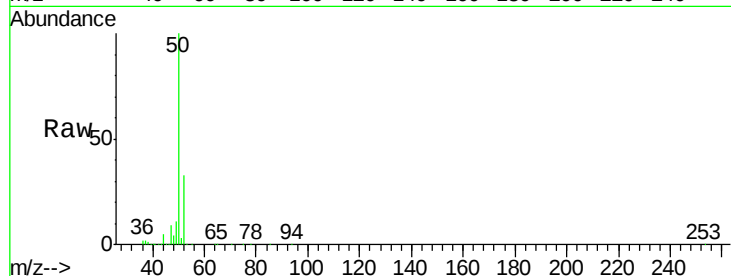
52 32.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.579 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002547.D

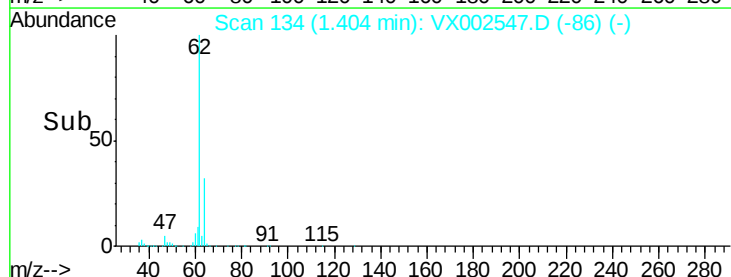
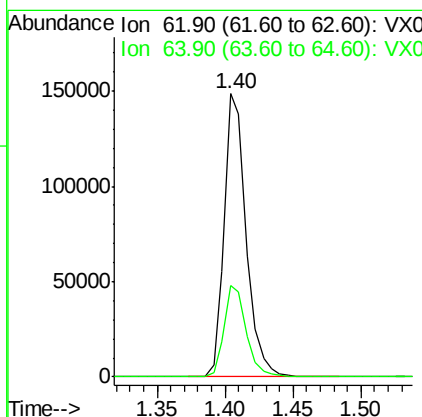
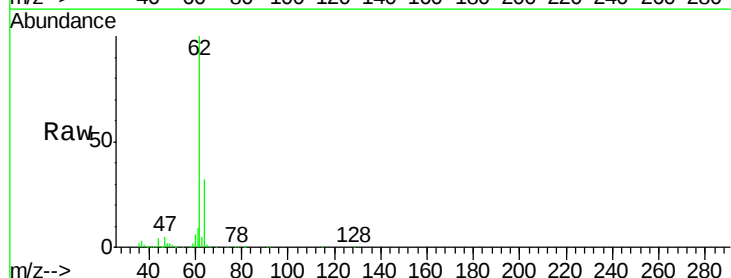
Acq: 14 Jun 2018 10:04

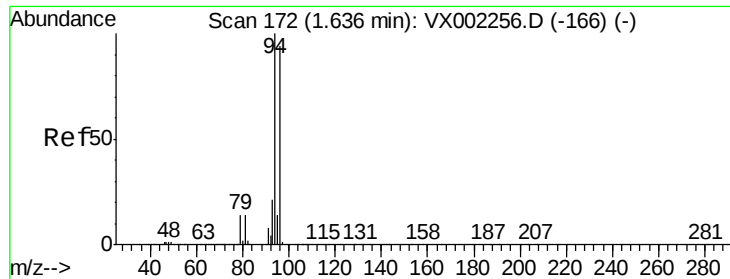
Tgt Ion: 62 Resp: 167049

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 36.745 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87665

Ion Ratio Lower Upper

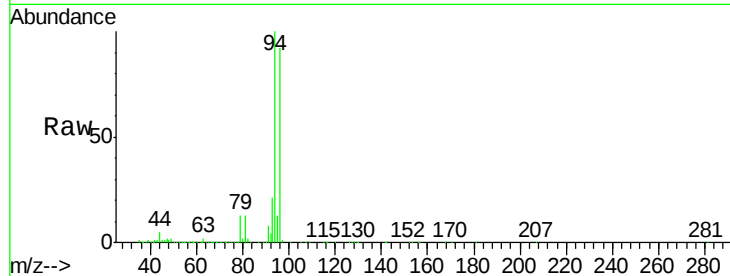
94 100

96 91.9 74.9 112.3

Manual Integrations
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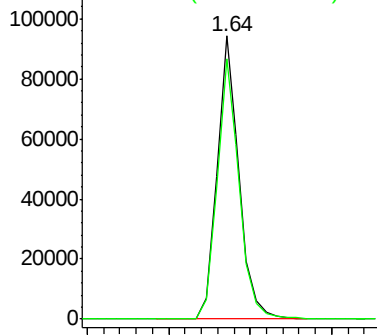
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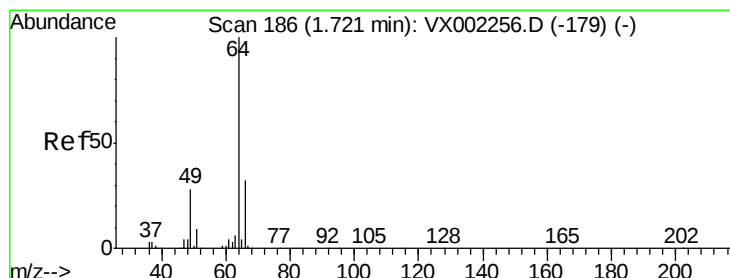
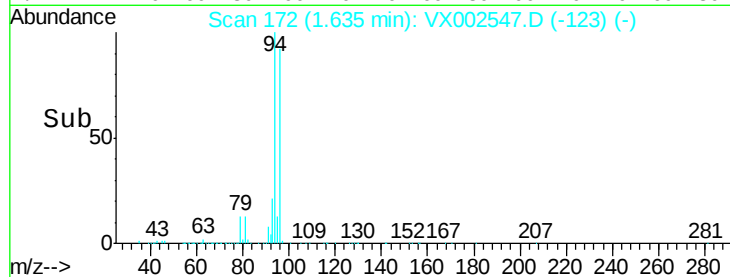


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 43.943 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002547.D

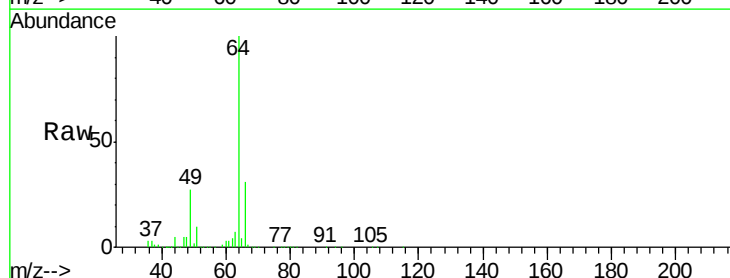
Acq: 14 Jun 2018 10:04

Tgt Ion: 64 Resp: 117018

Ion Ratio Lower Upper

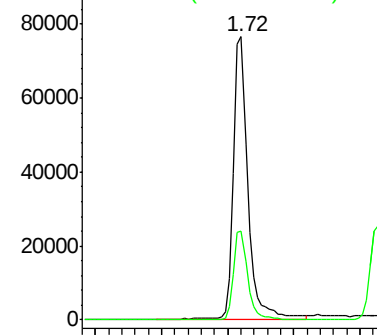
64 100

66 31.2 25.5 38.3

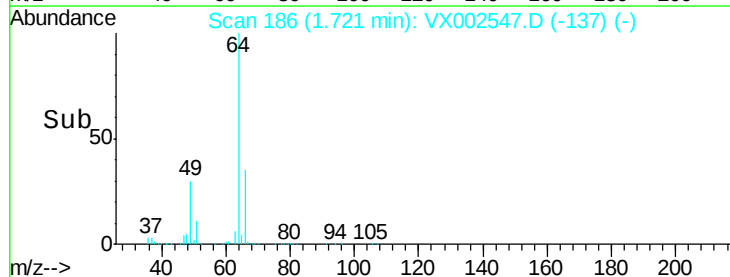


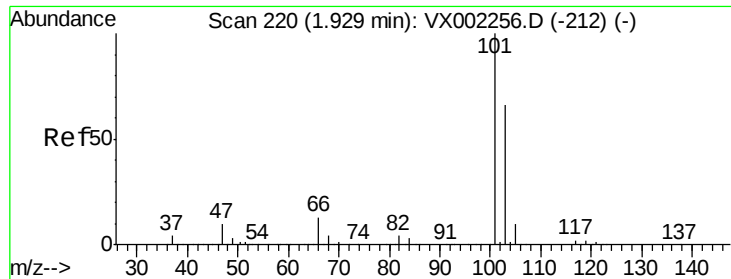
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time--> 1.50 1.60 1.70 1.80 1.90





#7

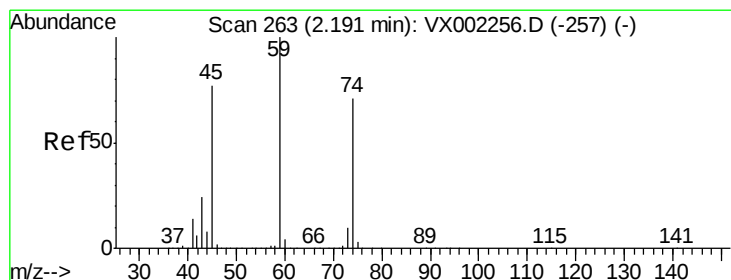
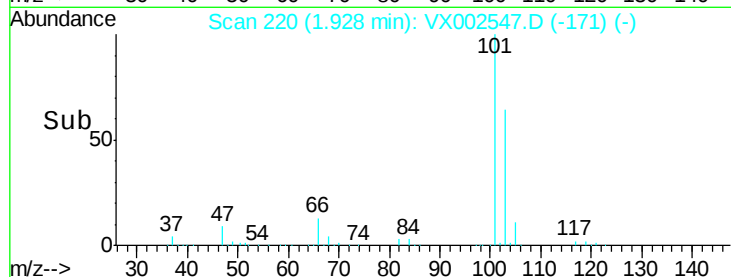
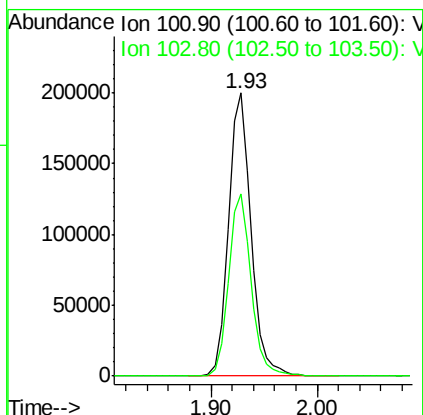
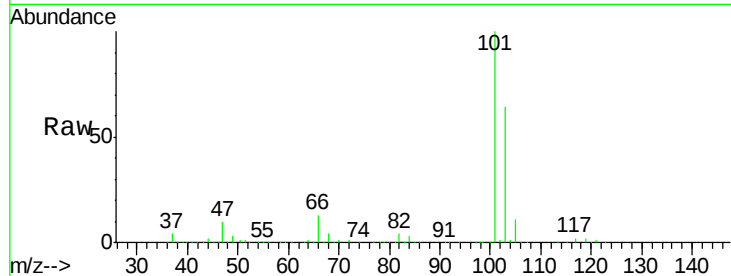
Trichlorofluoromethane
 Concen: 47.362 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		297067		
103	64.5	52.8	79.2		

Manual Integrations
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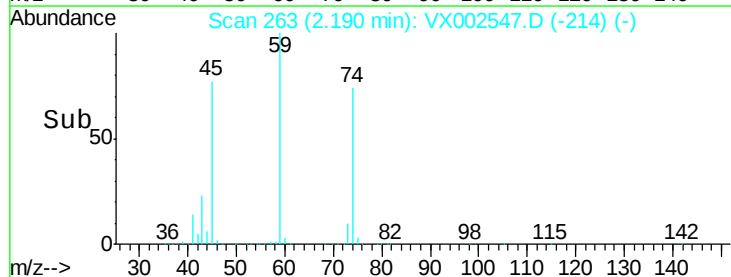
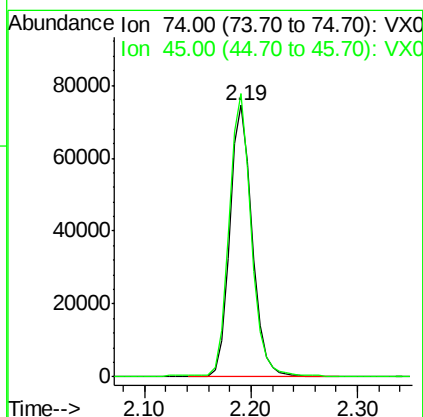
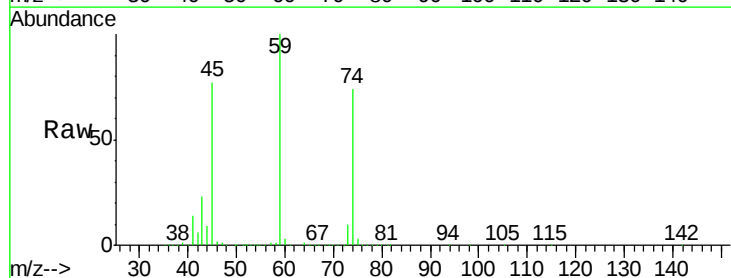
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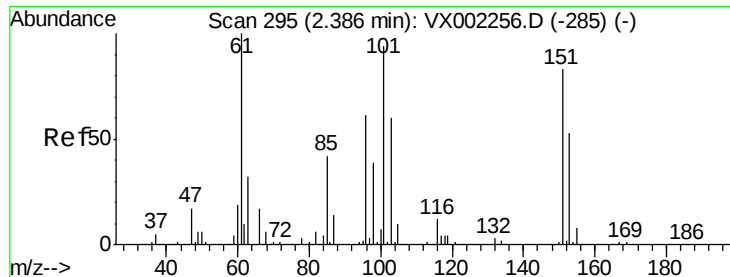


#8

Diethyl Ether
 Concen: 49.363 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		110095		
45	102.6	53.1	159.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.793 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

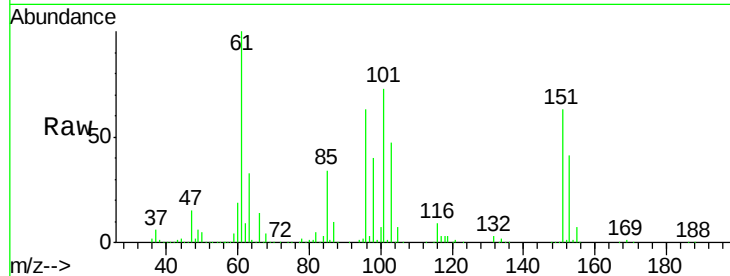
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VSTDCCC050

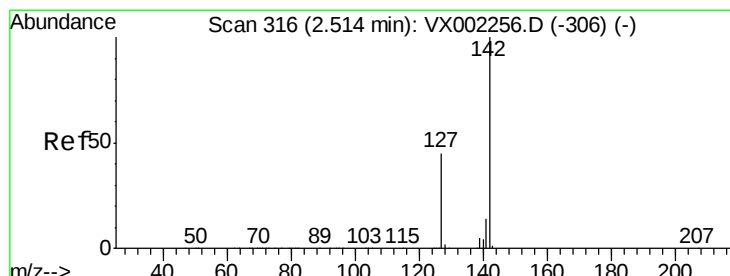
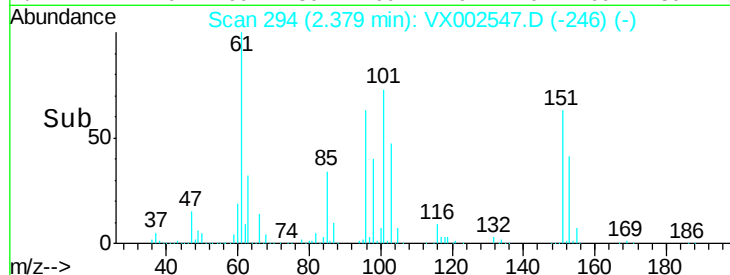
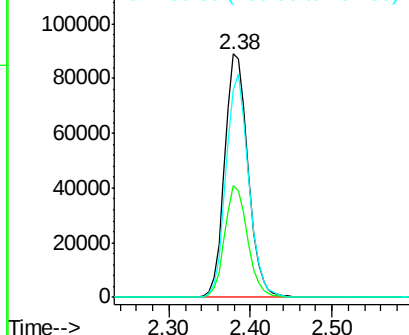
Tot Ion:	101	Resp:	175308
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	89.3	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.271 ug/l

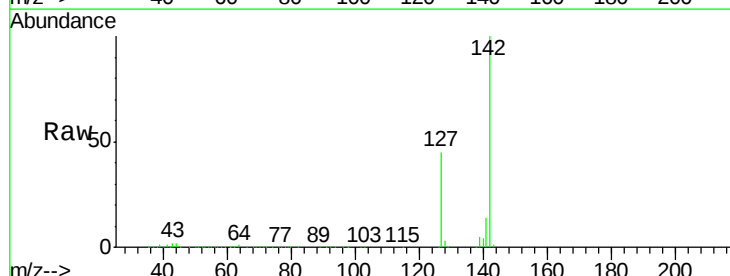
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

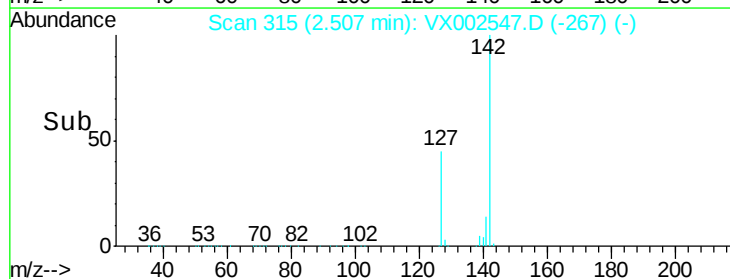
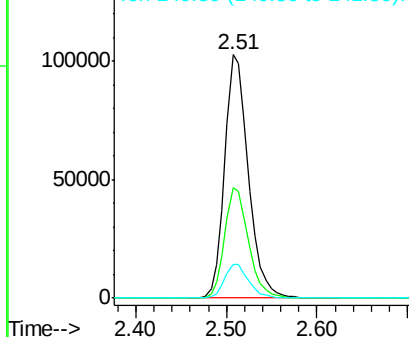
Lab File: VX002547.D

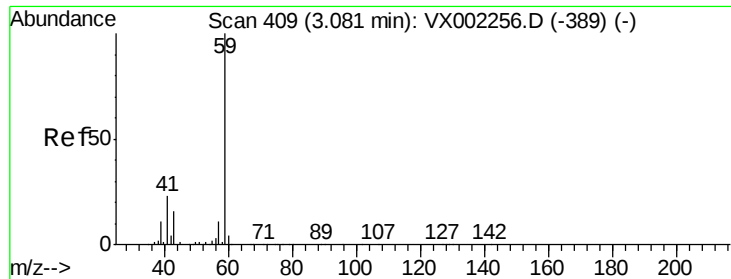
Acq: 14 Jun 2018 10:04

Tgt Ion:	142	Resp:	186964
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.6	55.0
141	14.3	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

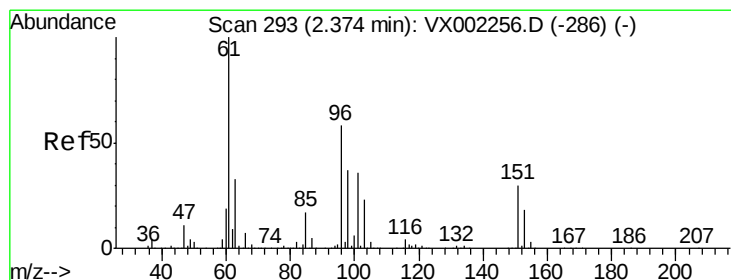
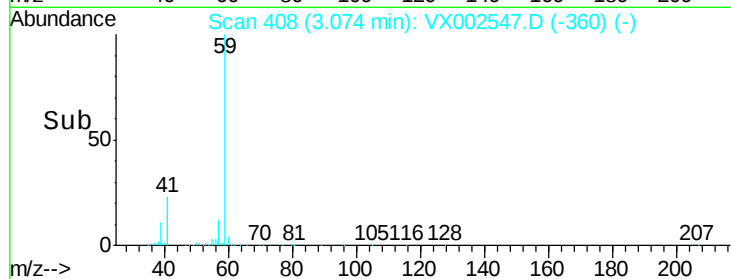
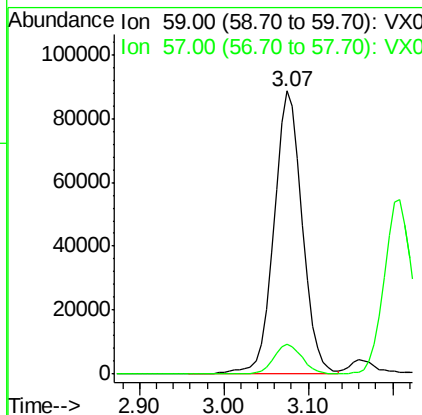
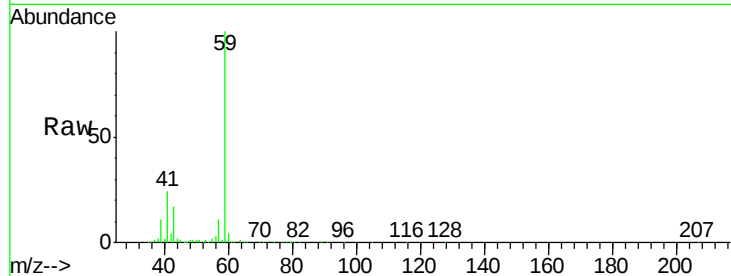
Tert butyl alcohol
 Concen: 221.729 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

Manual Integrations
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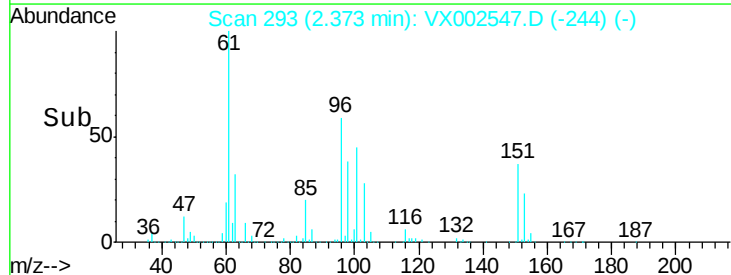
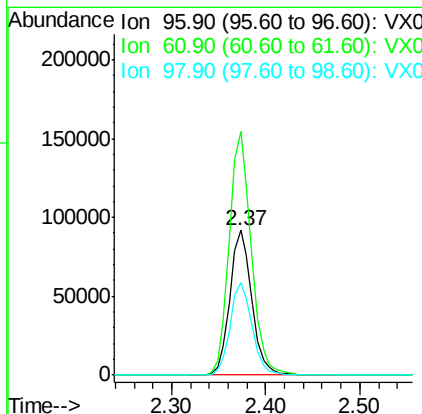
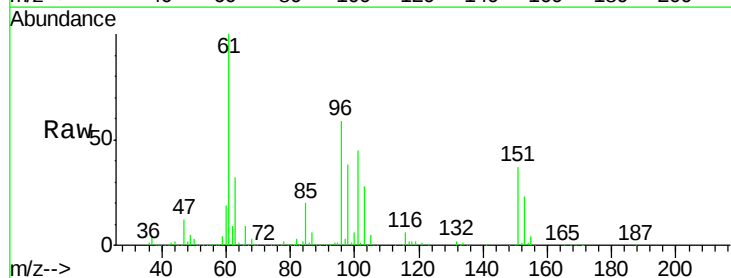
MMDadoda
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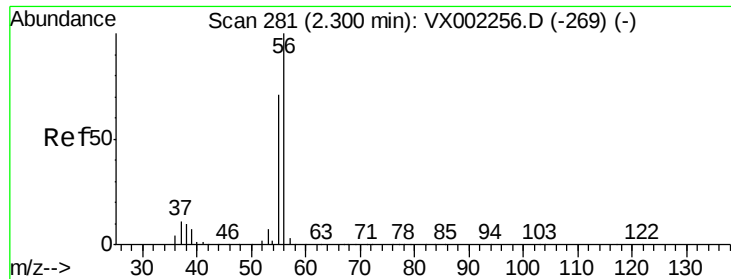


#12

1,1-Dichloroethene
 Concen: 44.201 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	137.9	206.9
98	64.3	51.6	77.4





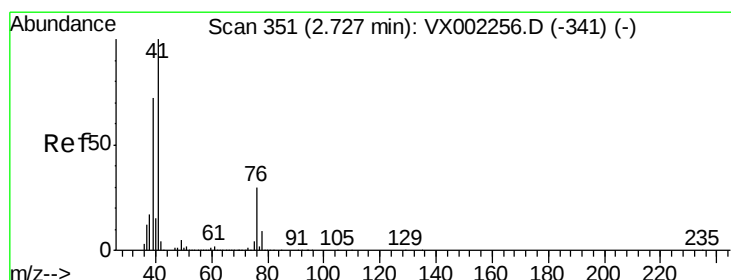
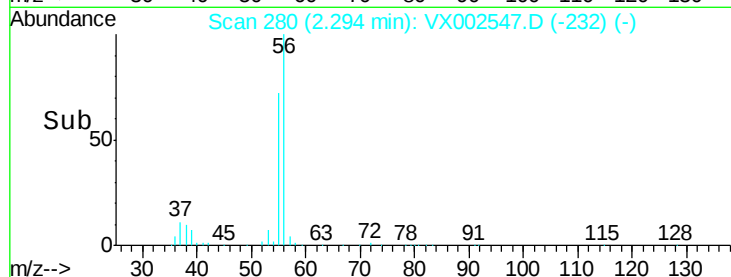
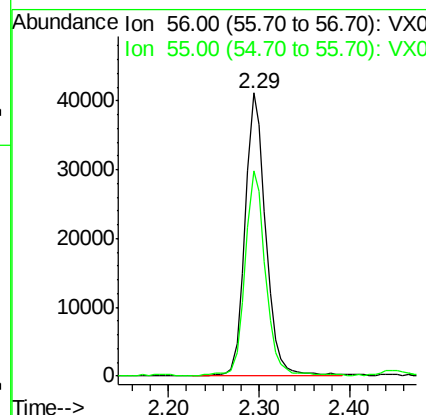
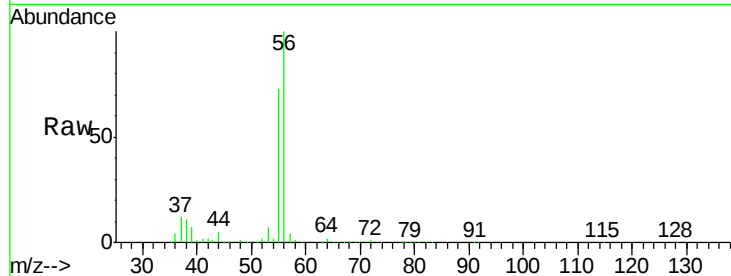
#13
Acrolein
Concen: 141.869 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.2		57.0	85.4	

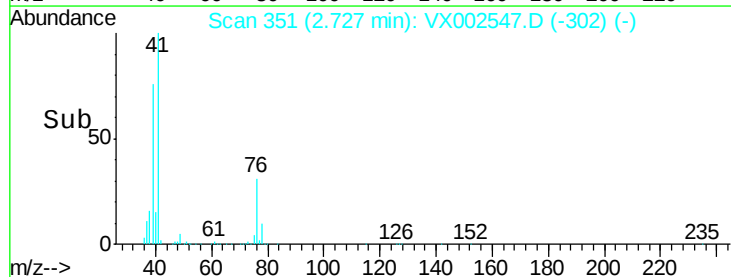
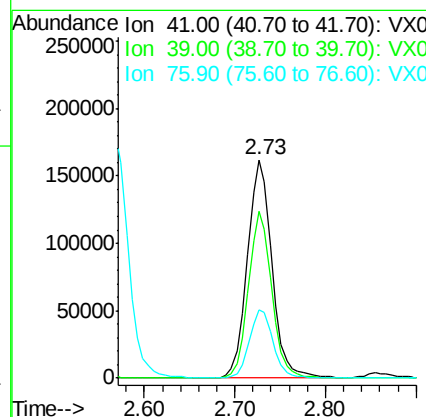
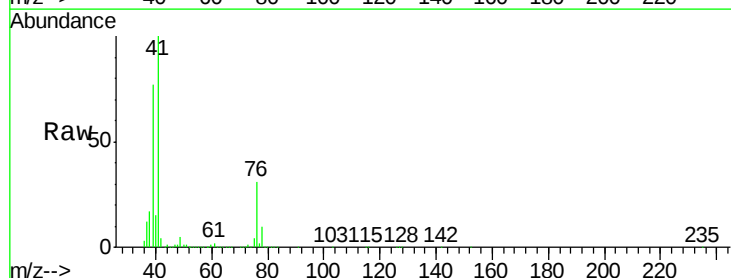
Manual Integrations
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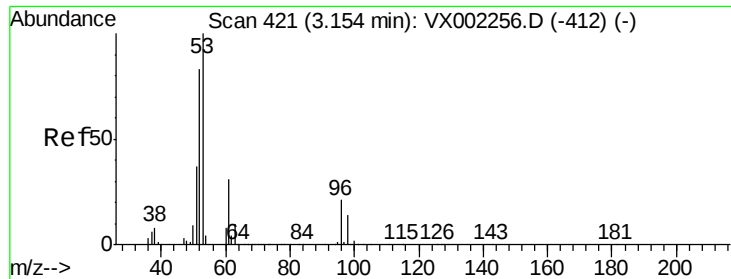
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#14
Allyl chloride
Concen: 41.654 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	72.4			56.8	85.2	
76	30.5			23.8	35.8	





#15

Acrylonitrile

Concen: 237.623 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

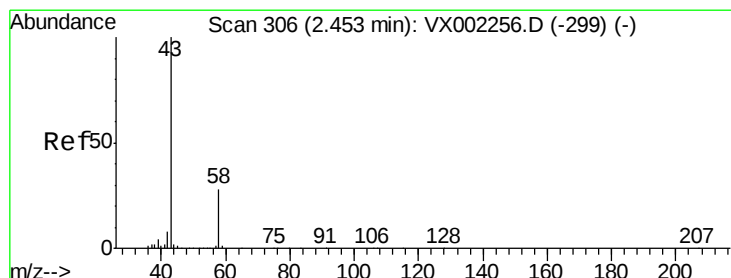
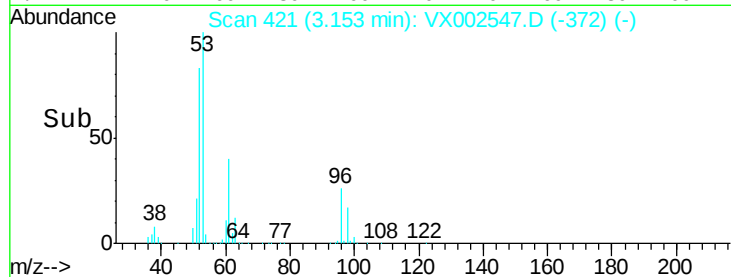
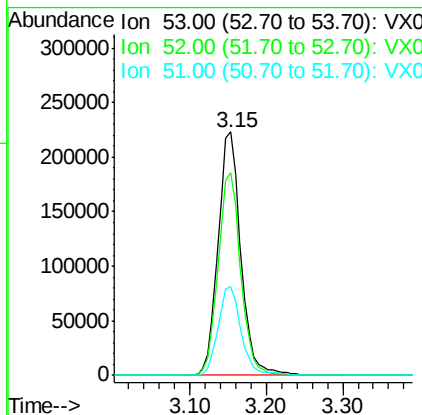
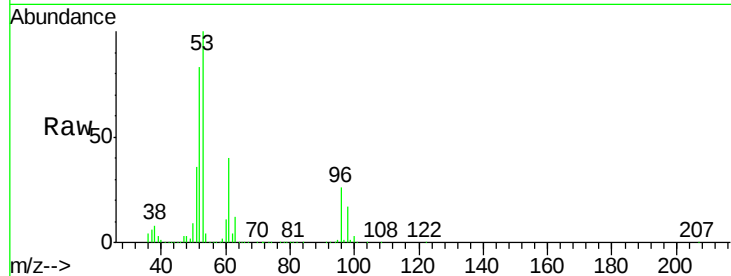
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	455335
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 242.684 ug/l

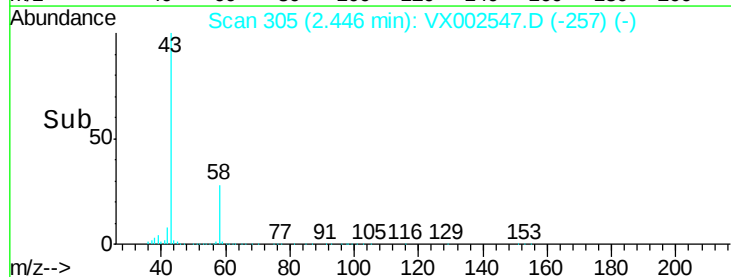
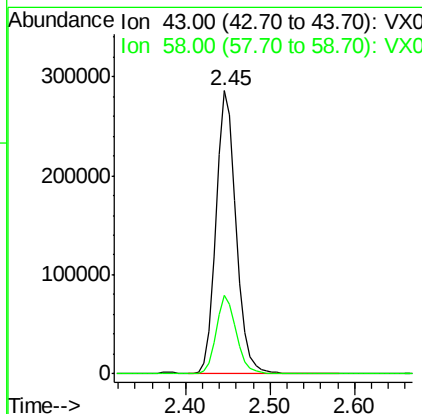
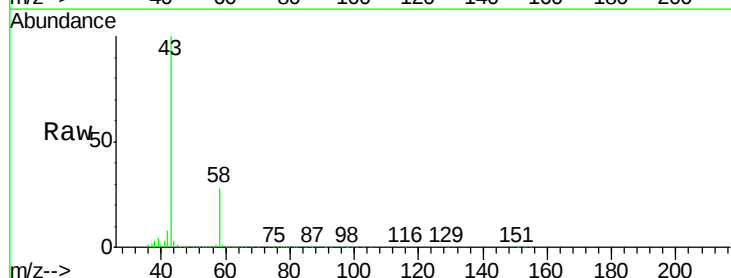
RT: 2.45 min Scan# 305

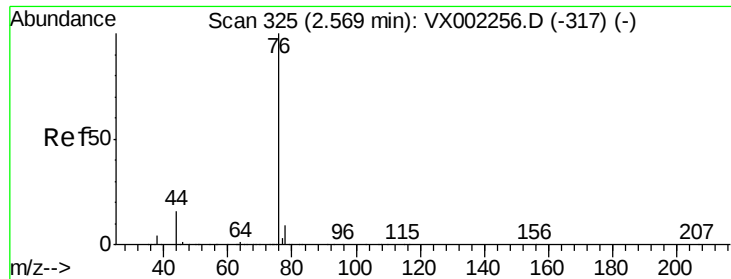
Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	43	Resp:	470064
Ion Ratio		Lower	Upper
43	100		
58	27.6	22.1	33.1





#17

Carbon Disulfide

Concen: 35.039 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 308918

Ion Ratio Lower Upper

76 100

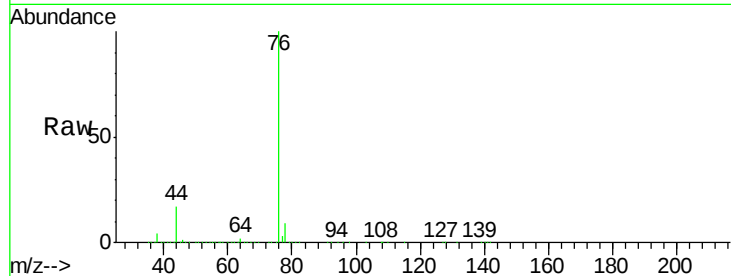
78 9.4 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

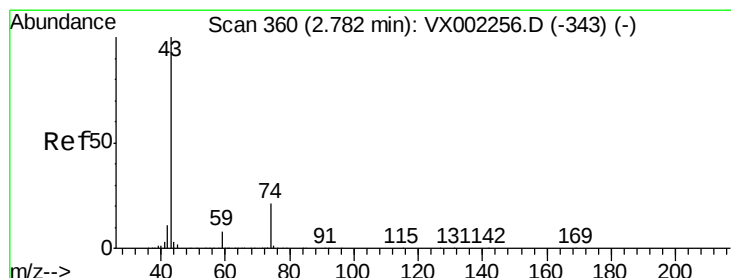
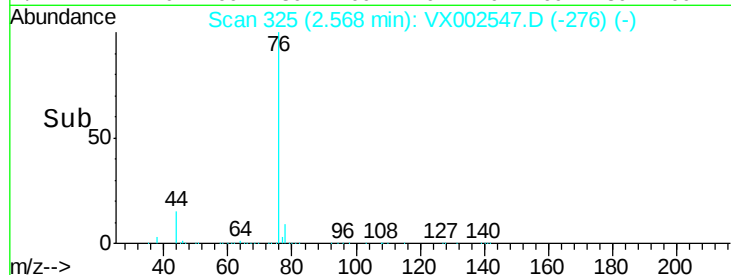
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 49.032 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002547.D

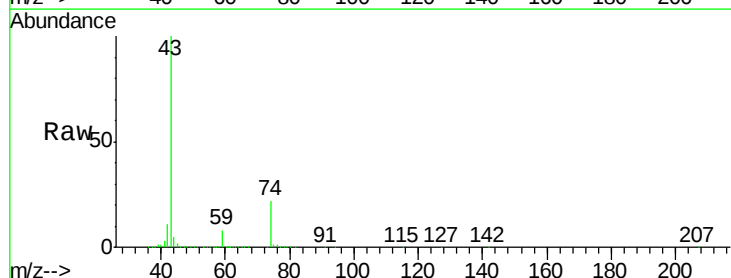
Acq: 14 Jun 2018 10:04

Tgt Ion: 43 Resp: 220952

Ion Ratio Lower Upper

43 100

74 20.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

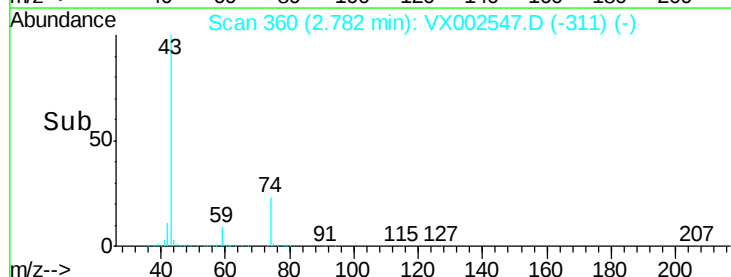
100000

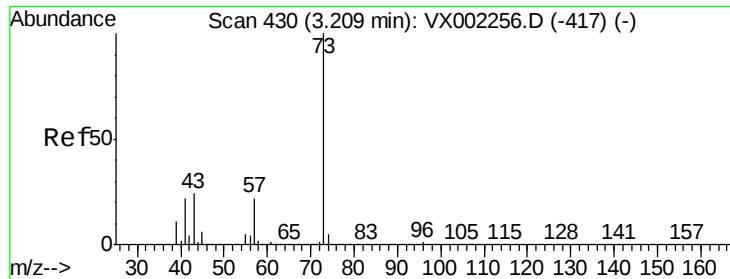
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





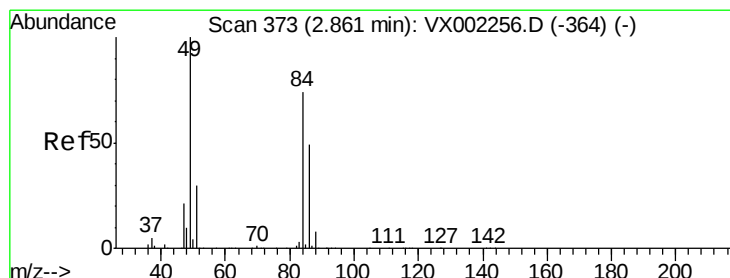
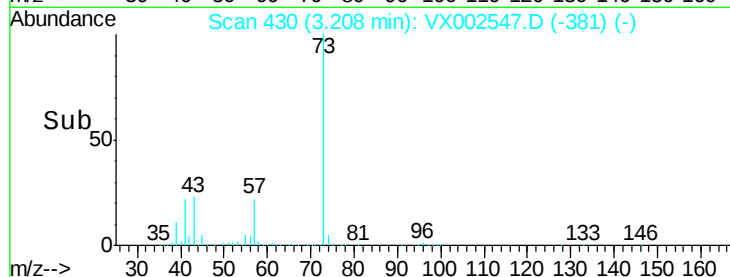
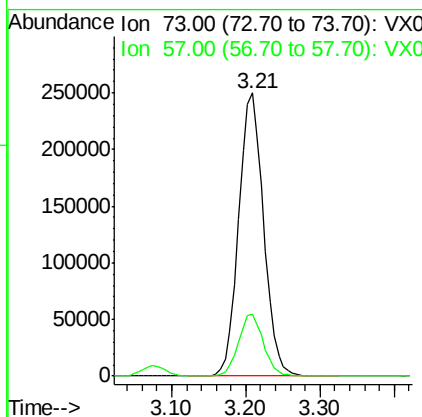
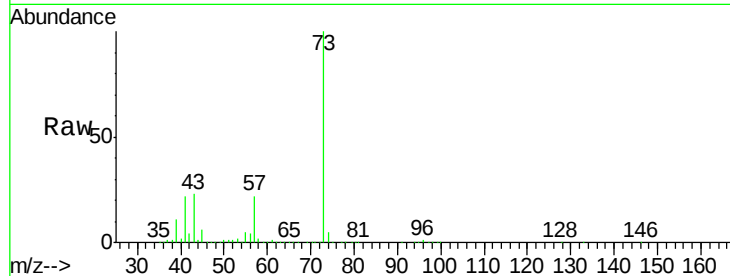
#19
Methvl tert-butvl Ether
Concen: 50.452 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 587433
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

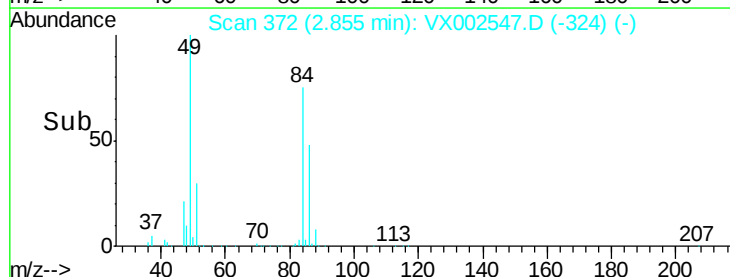
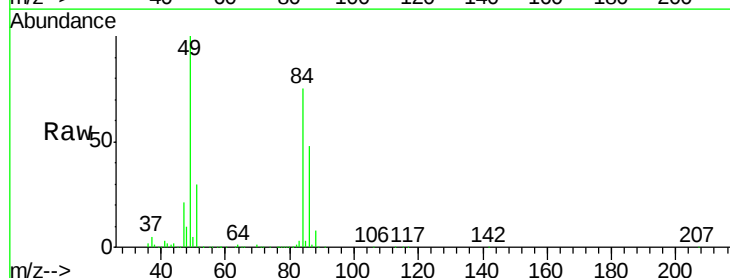
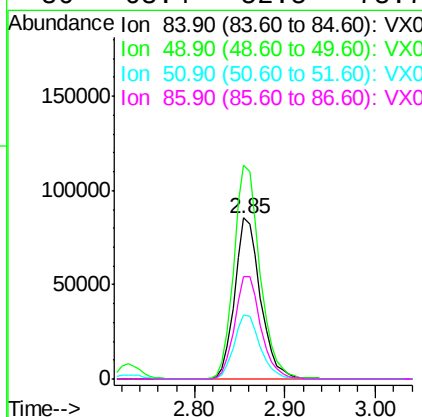
Manual Integrations
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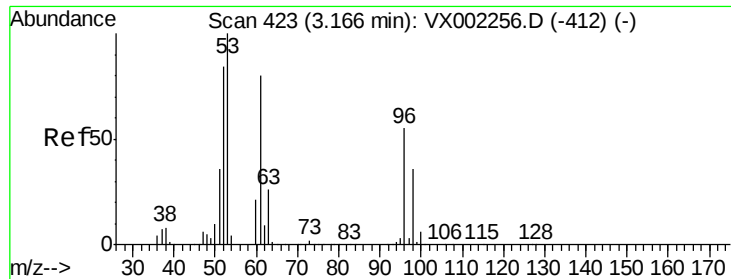
MMDadoda
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#20
Methylene Chloride
Concen: 47.410 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion: 84 Resp: 168949
Ion Ratio Lower Upper
84 100
49 132.4 107.8 161.6
51 39.9 32.8 49.2
86 63.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 42.891 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

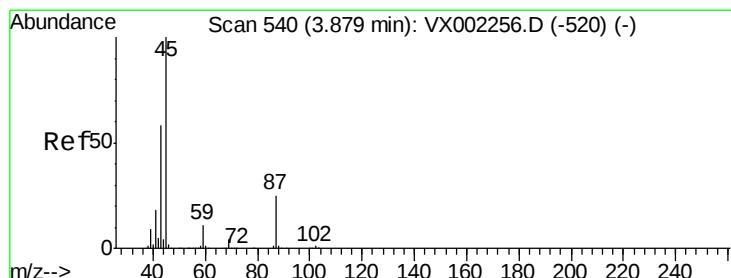
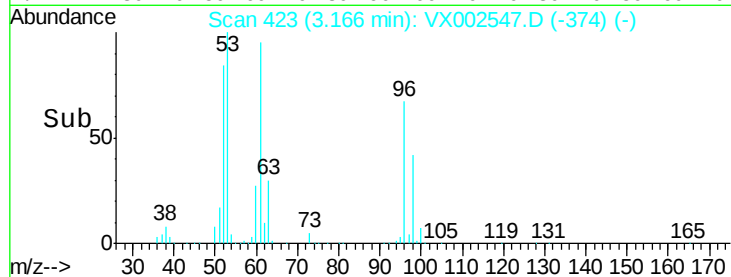
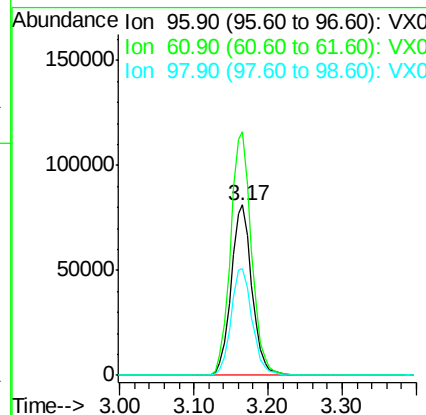
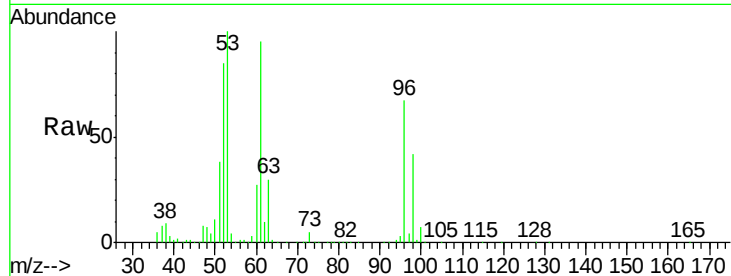
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	158217
Ion	Ratio	Lower	Upper
96	100		
61	142.7	117.0	175.4
98	62.8	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.232 ug/l

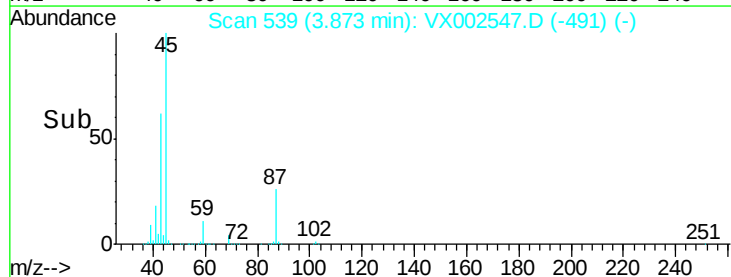
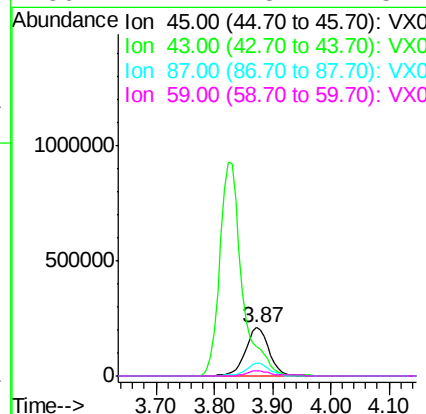
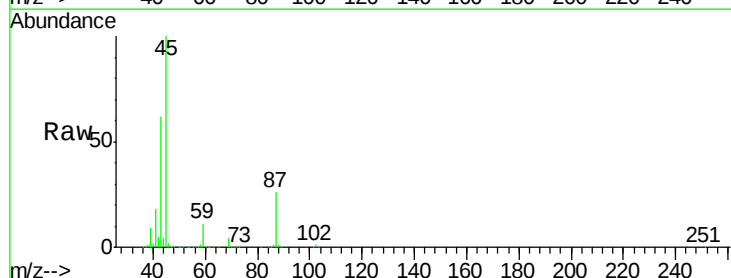
RT: 3.87 min Scan# 539

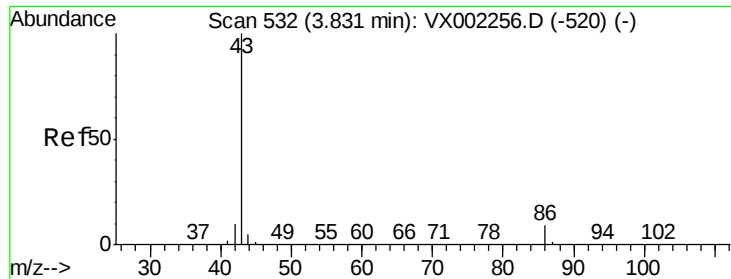
Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	45	Resp:	585568
Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.8	70.2
87	26.0	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 209.043 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2460028

Ion Ratio Lower Upper

43 100

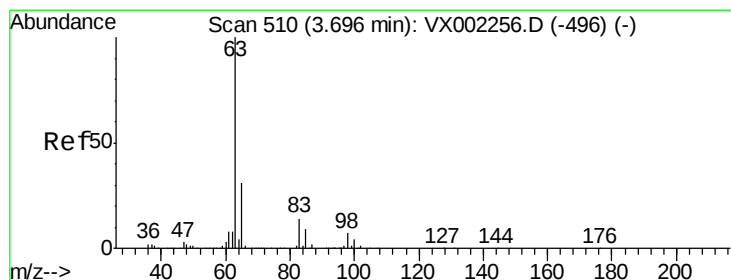
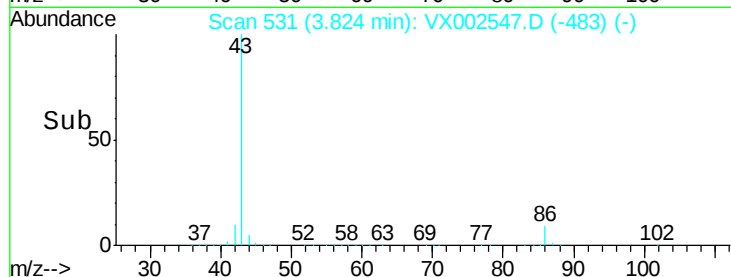
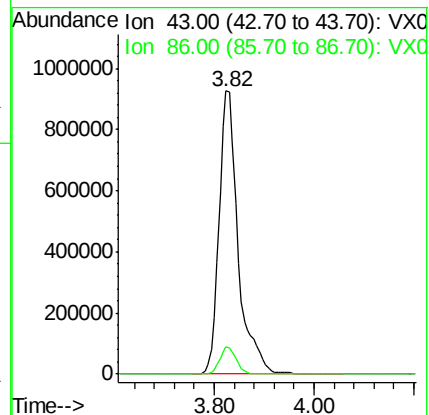
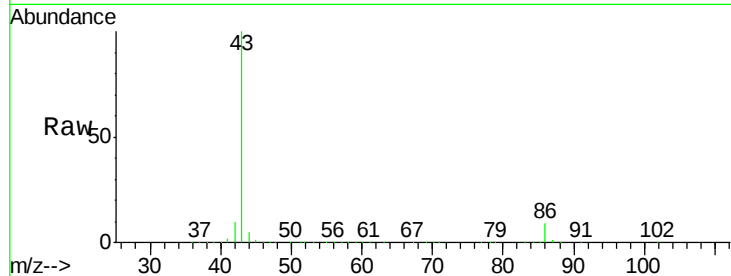
86 9.5 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.364 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

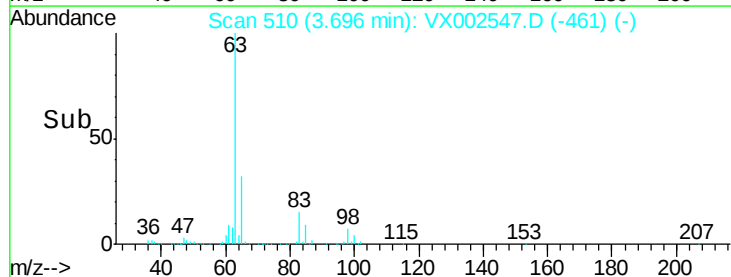
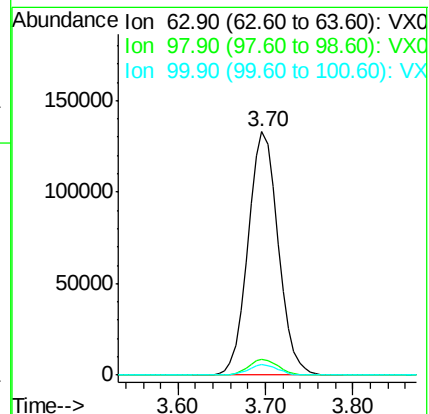
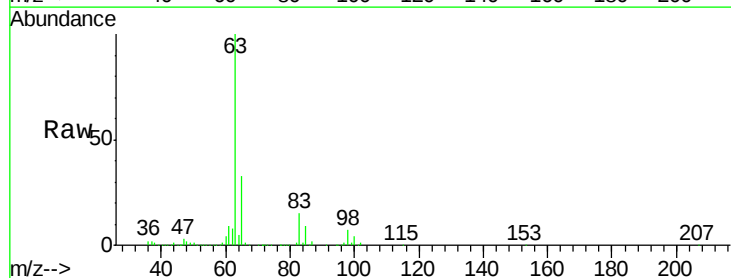
Tgt Ion: 63 Resp: 318298

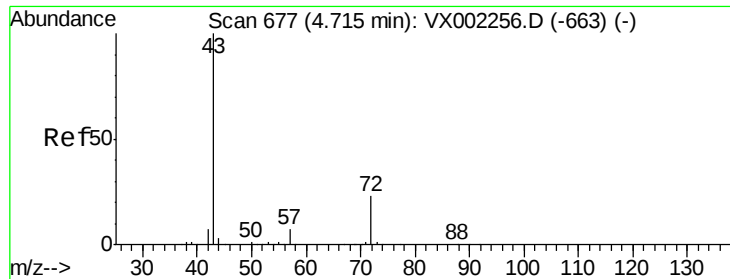
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 212.918 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 655973

Ion Ratio Lower Upper

43 100

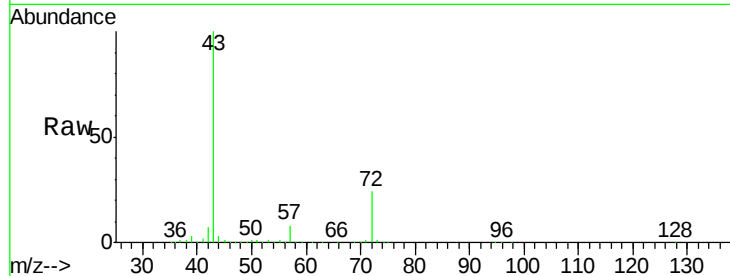
72 23.7 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

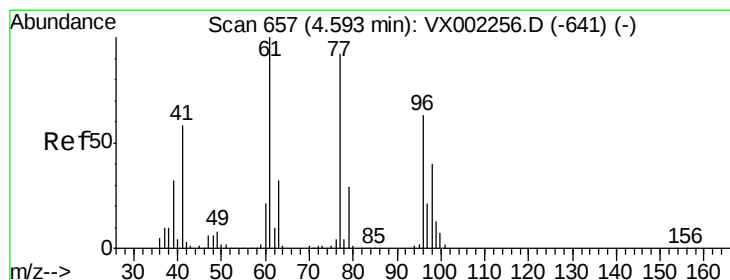
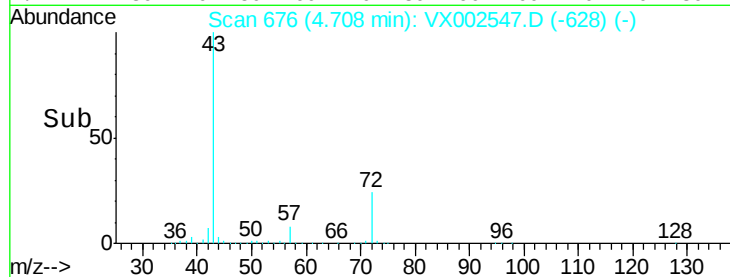
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.890 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002547.D

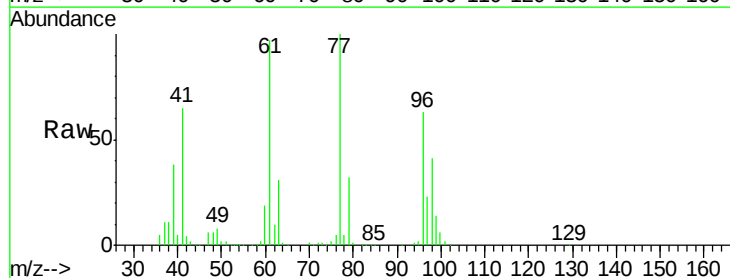
Acq: 14 Jun 2018 10:04

Tgt Ion: 77 Resp: 251759

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

20000

0

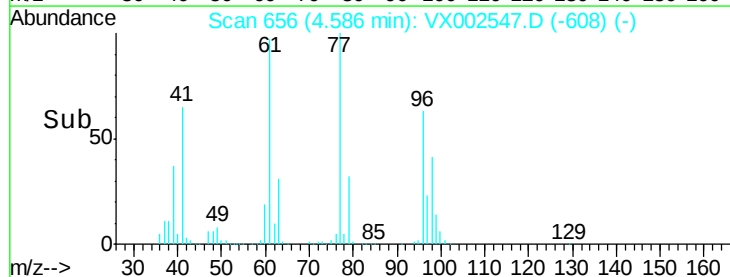
4.40

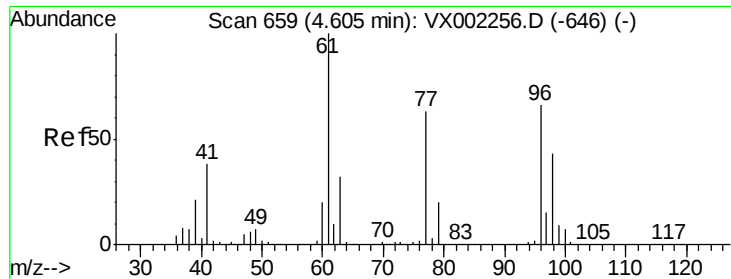
4.50

4.60

4.70

Time-->





#27

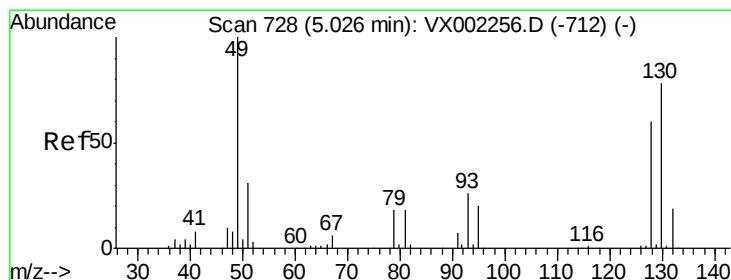
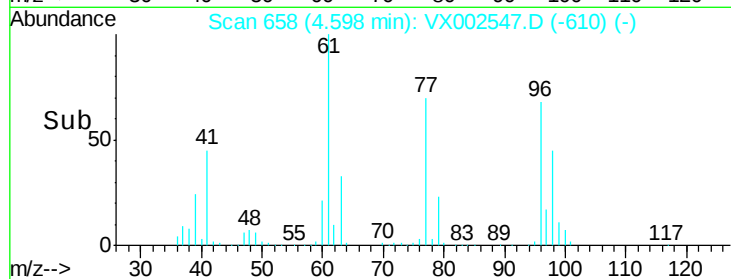
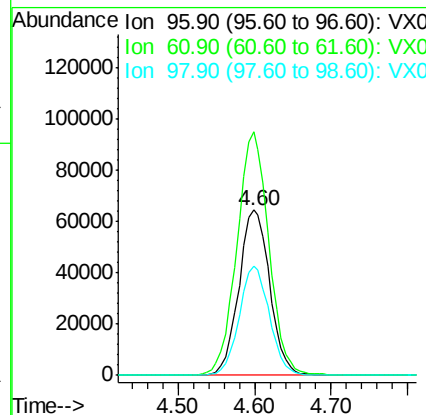
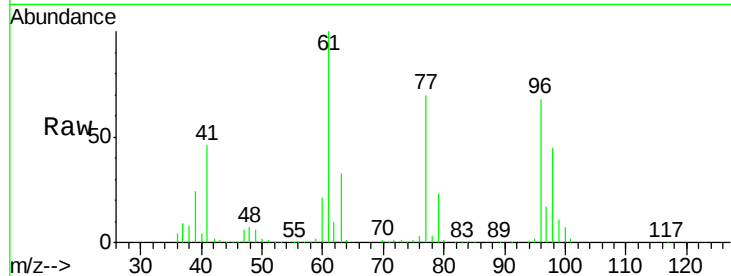
cis-1,2-Dichloroethene
Concen: 44.923 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	330.2
98	65.1	0.0	130.2

Manual Integrations
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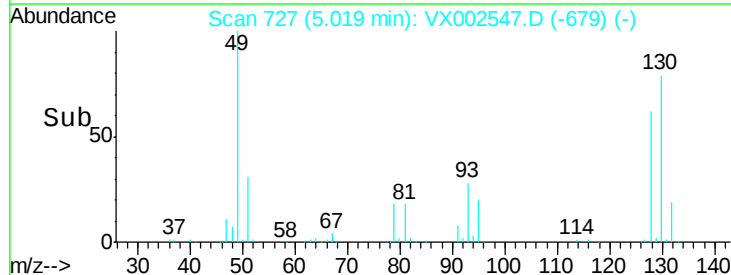
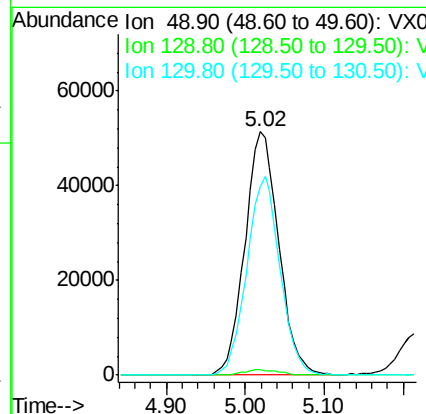
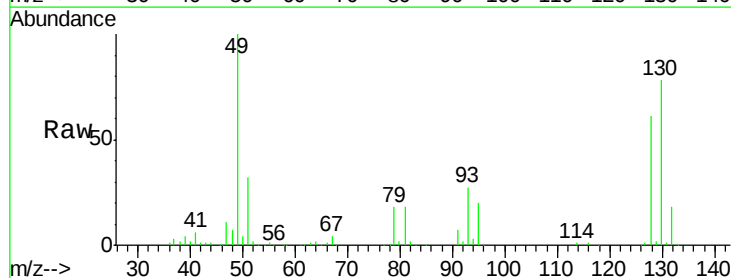
MMDadoda
6/15/2018 1:11:49 PM

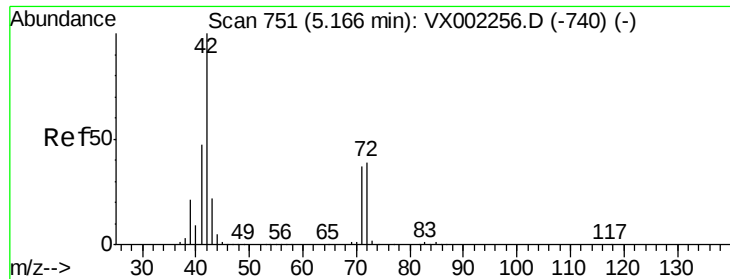


#28

Bromochloromethane
Concen: 50.327 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	79.9	61.2	91.8





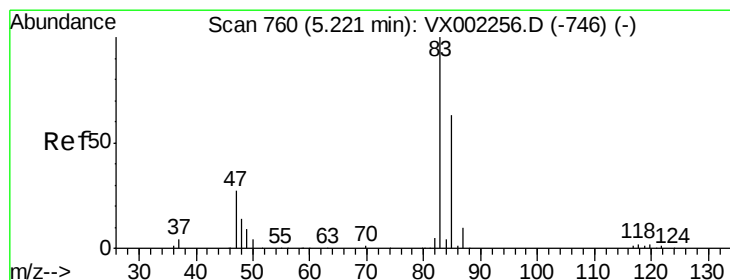
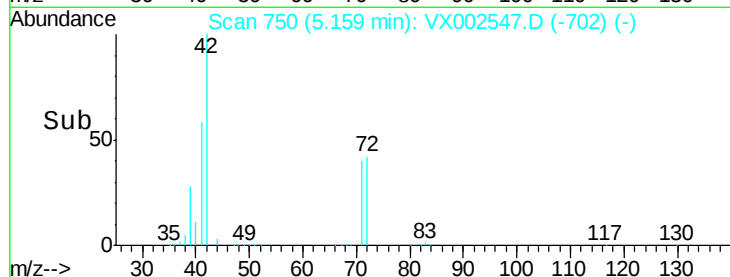
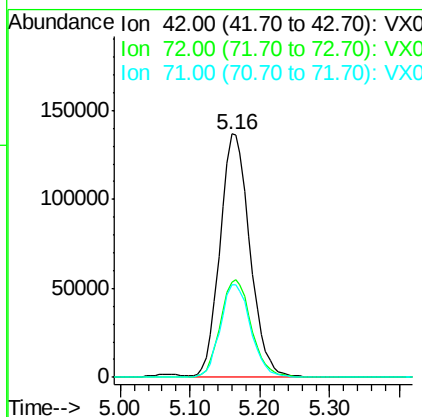
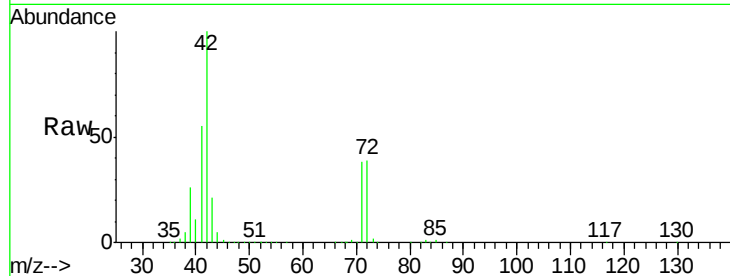
#29
Tetrahydrofuran
Concen: 204.082 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	38.9	30.1	45.1

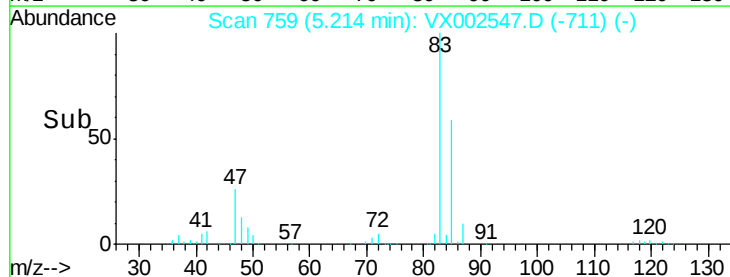
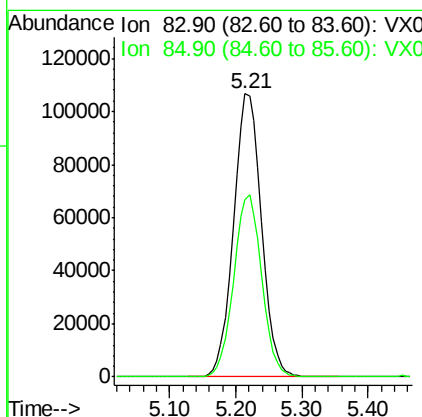
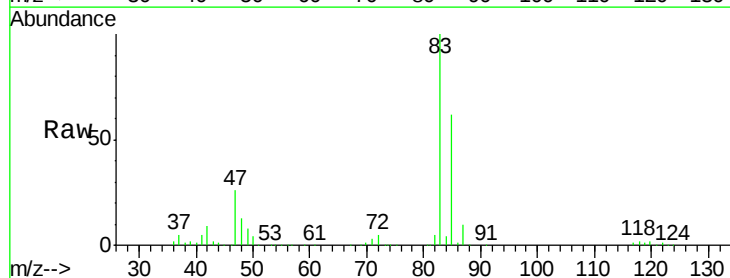
Manual Integrations
APPROVED

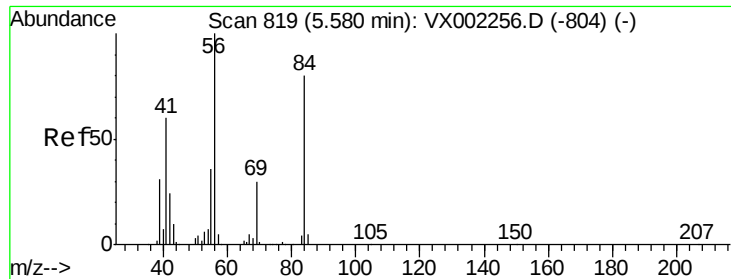
MMDadoda
6/15/2018 1:11:49 PM



#30
Chloroform
Concen: 45.159 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.4	75.6





#31

Cyclohexane

Concen: 45.902 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

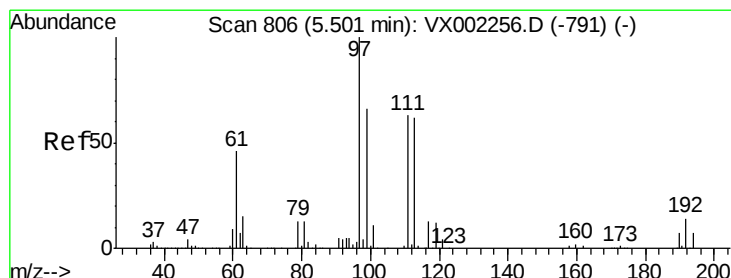
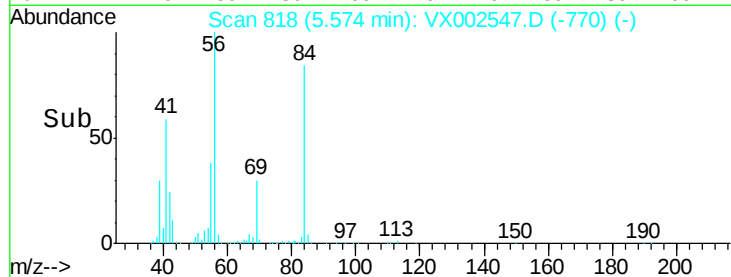
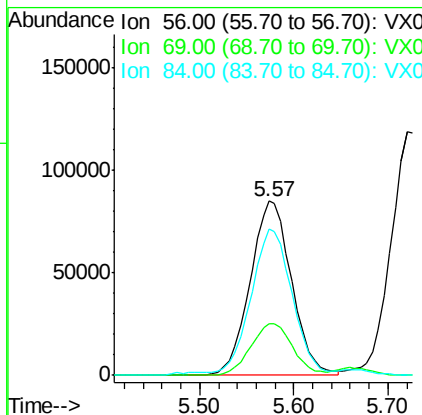
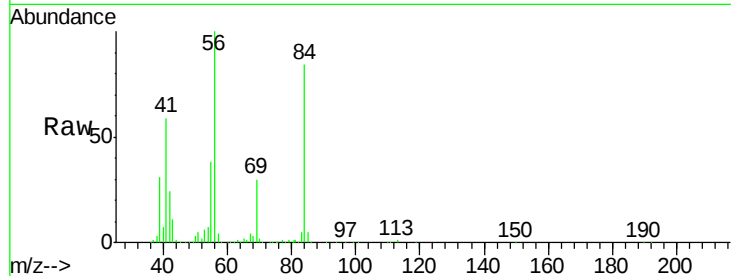
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	260423
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	82.2	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.257 ug/l

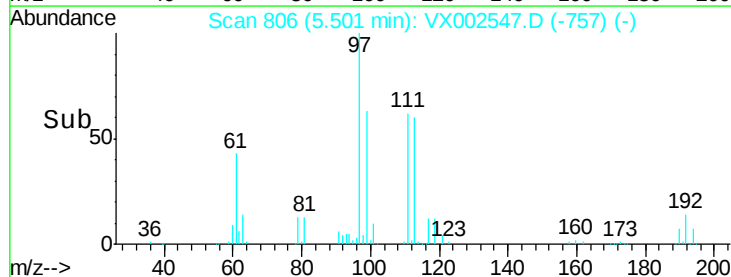
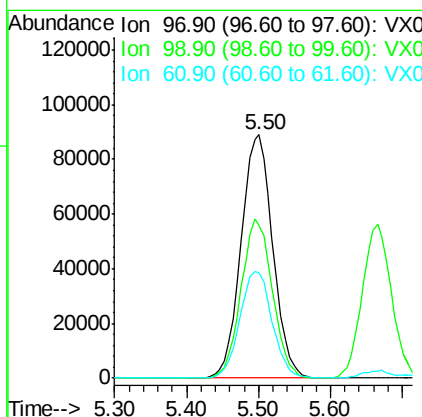
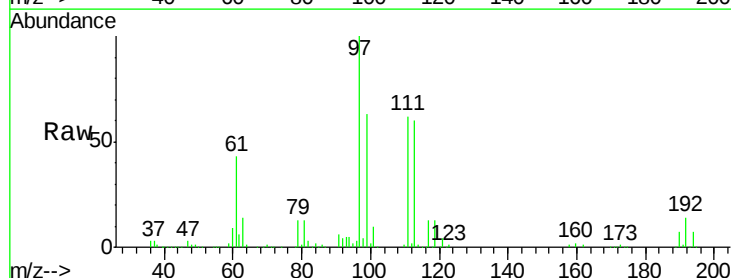
RT: 5.50 min Scan# 806

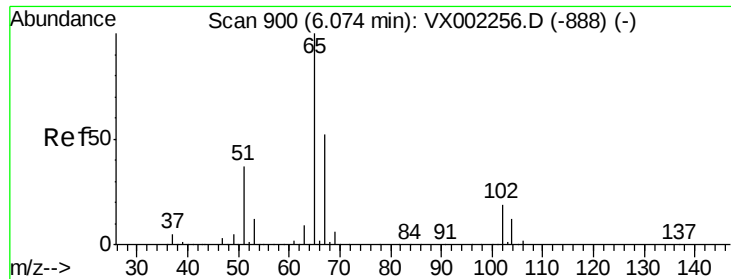
Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	97	Resp:	271597
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	44.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 42.809 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 194586

Ion Ratio Lower Upper

65 100

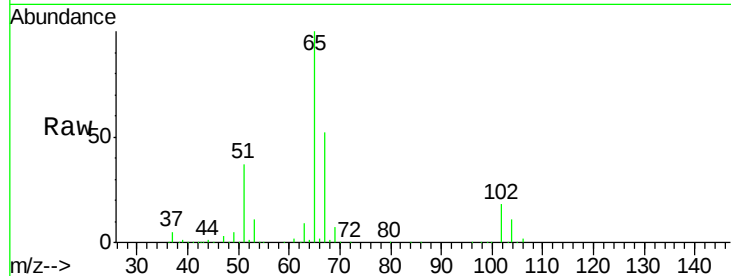
67 52.4 0.0 102.6

Manual Integrations

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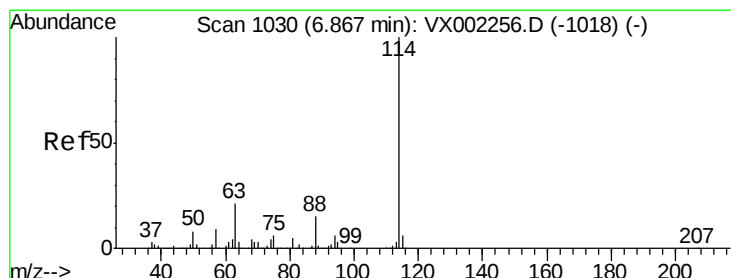
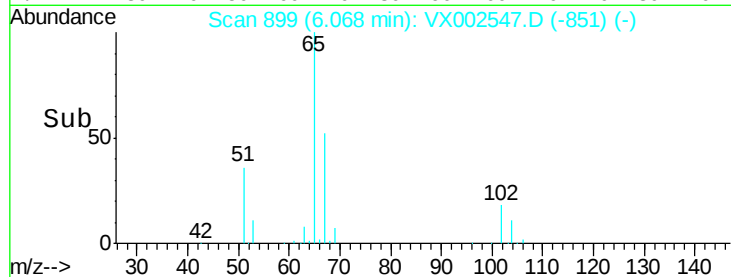
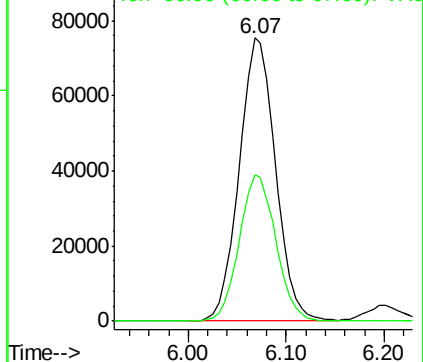
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

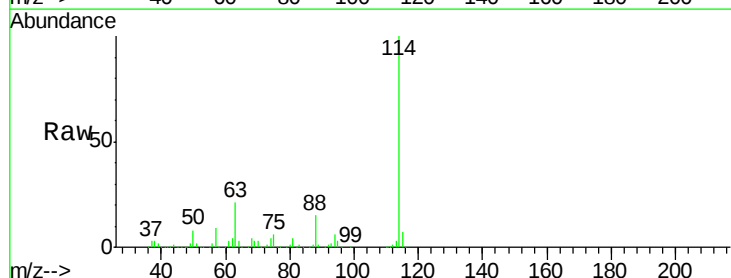
Tgt Ion: 114 Resp: 431375

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

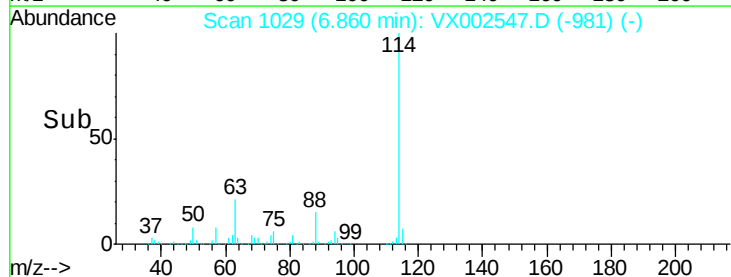
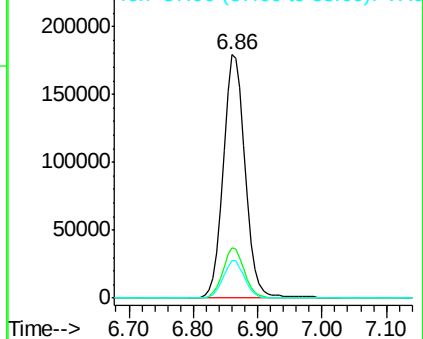
88 15.3 0.0 30.0

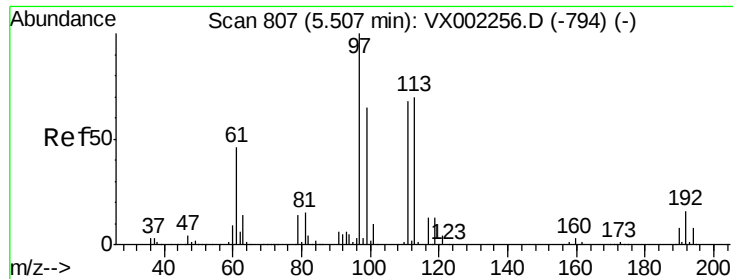


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.169 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

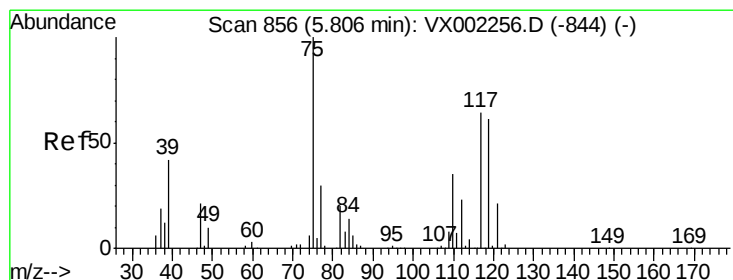
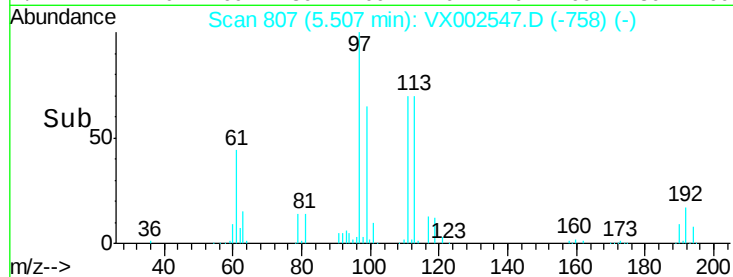
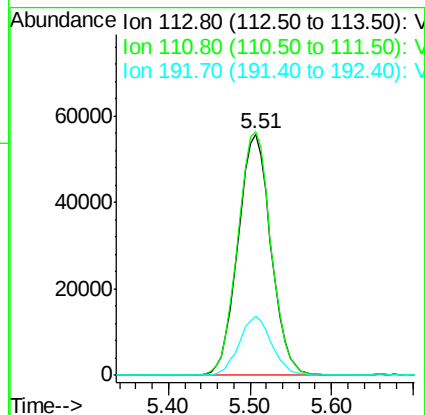
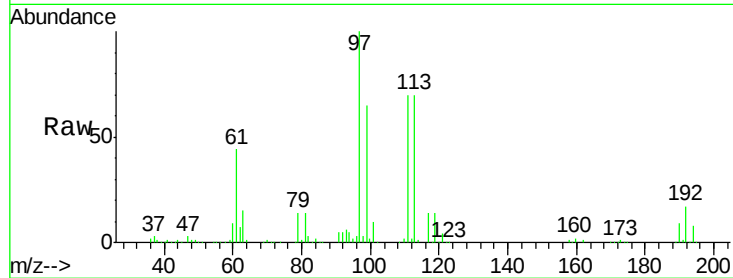
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	156621
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	24.2	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.396 ug/l

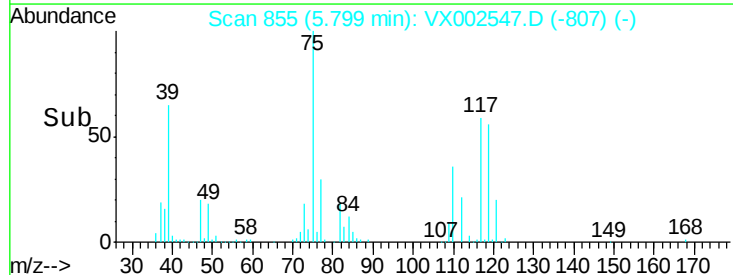
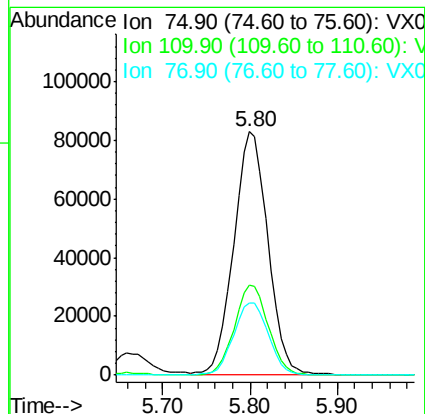
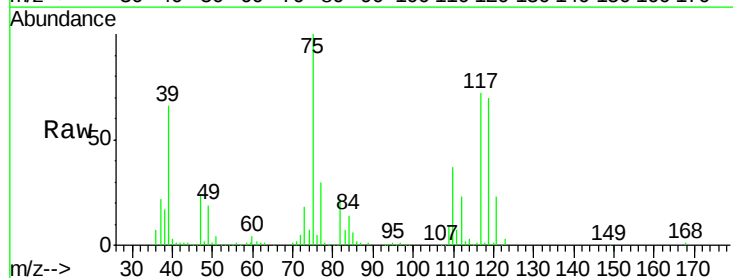
RT: 5.80 min Scan# 855

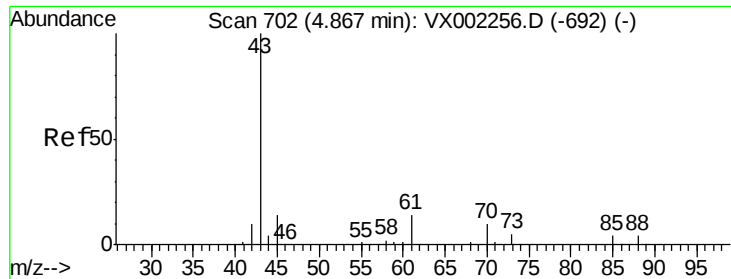
Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	75	Resp:	224009
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.4
77	30.2	24.3	36.5





#37

Ethyl Acetate

Concen: 46.541 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

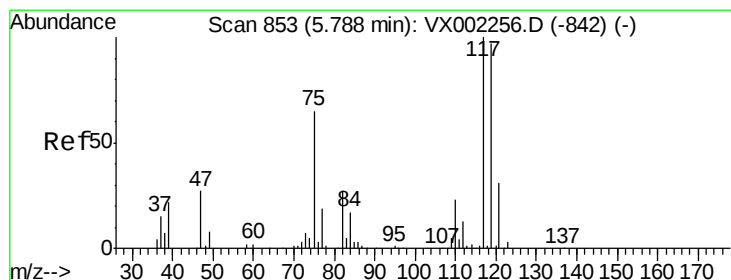
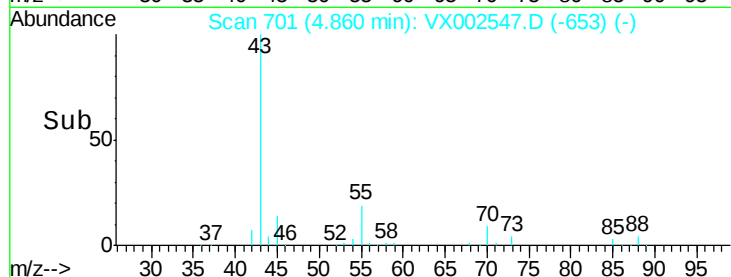
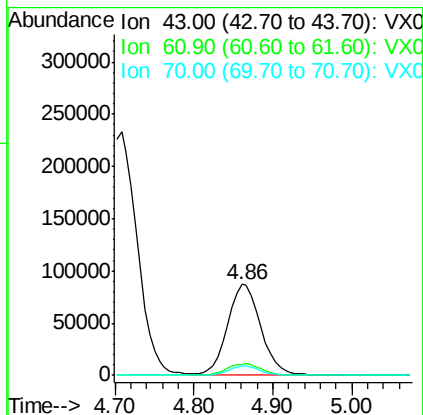
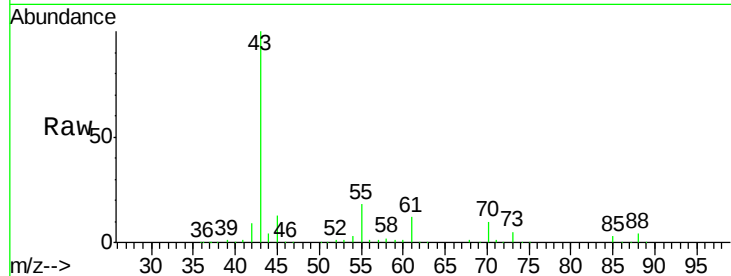
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	253826
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.6	7.6	11.4

Manual Integrations
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6/15/2018 1:11:49 PM



#38

Carbon Tetrachloride

Concen: 49.334 ug/l

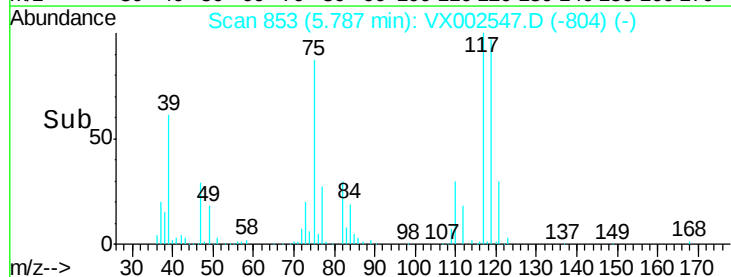
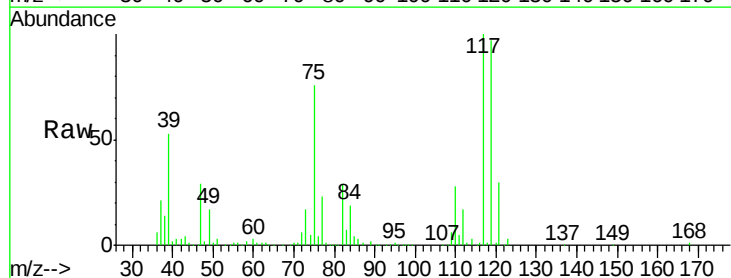
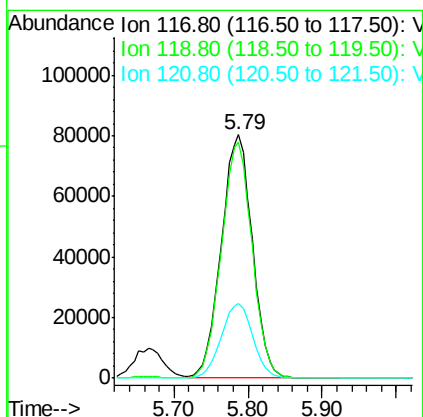
RT: 5.79 min Scan# 853

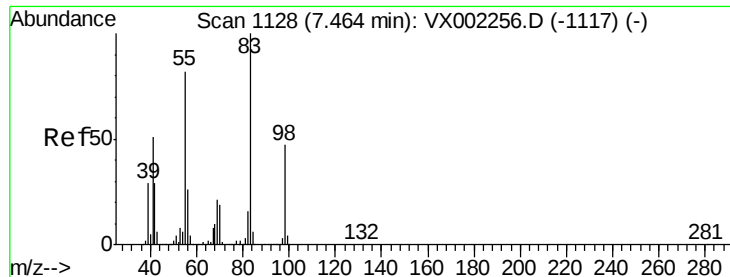
Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	117	Resp:	234055
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.4	116.0
121	30.4	24.4	36.6





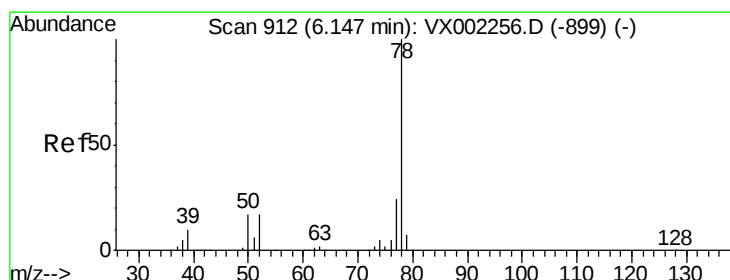
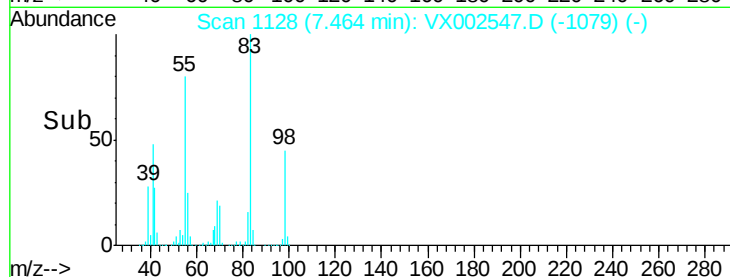
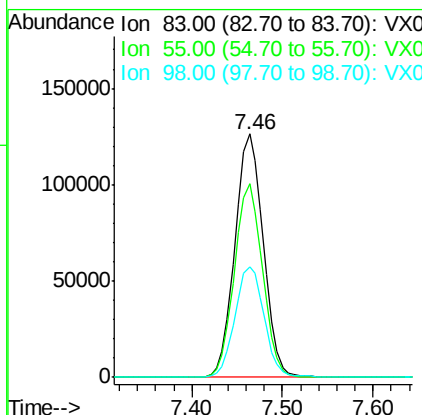
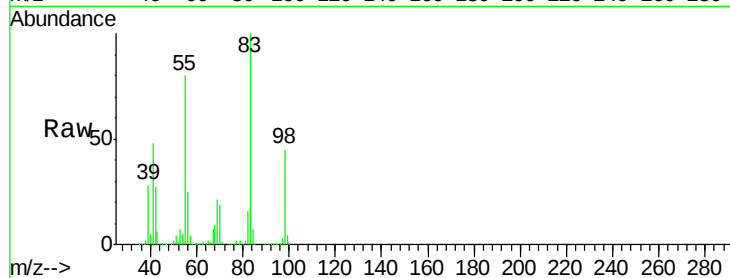
#39
Methvlcvclohexane
Concen: 49.055 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	65.4	98.0
98	45.5	37.4	56.0

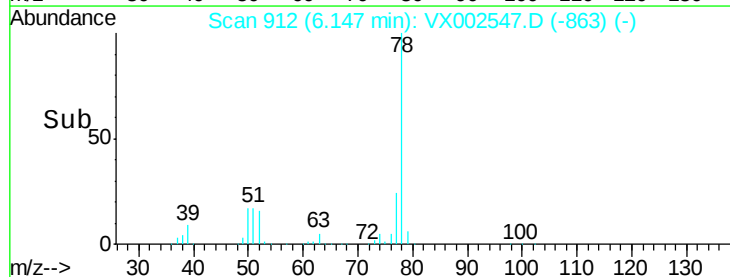
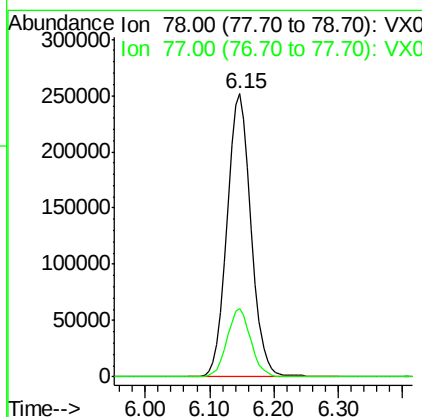
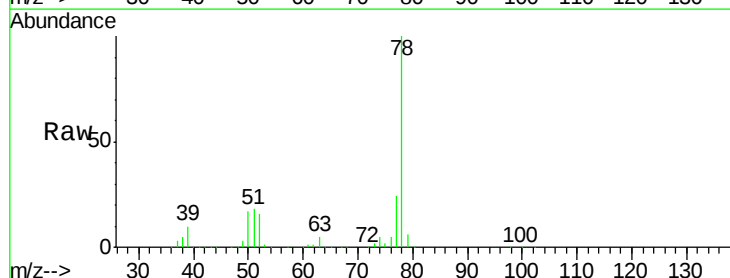
Manual Integrations
APPROVED

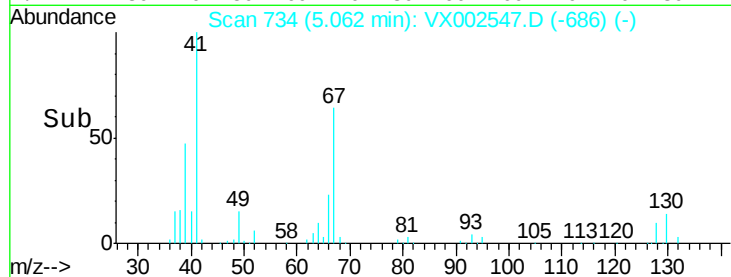
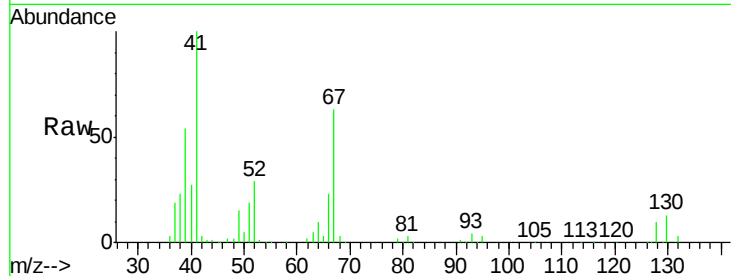
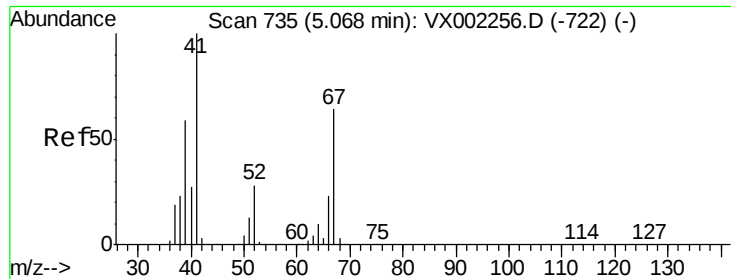
MMDadoda
6/15/2018 1:11:49 PM



#40
Benzene
Concen: 47.574 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

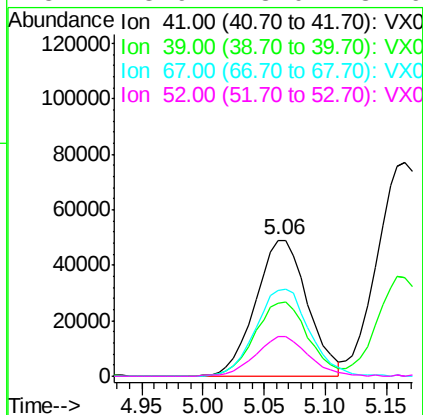
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#41
Methacrylonitrile
Concen: 46.467 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

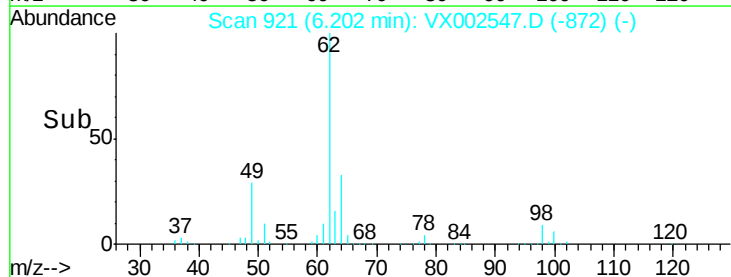
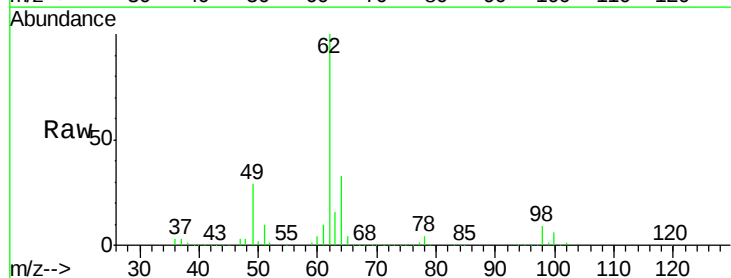
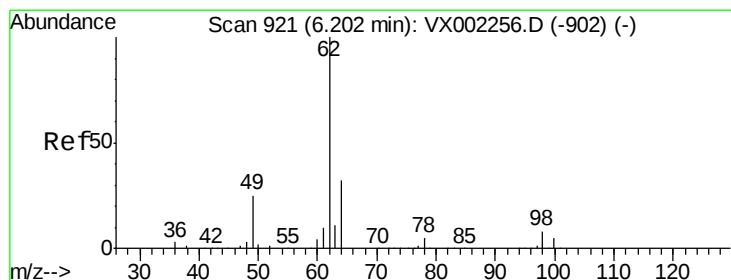
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	45.8	68.6	
67	66.0	51.3	76.9	
52	28.9	23.0	34.6	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

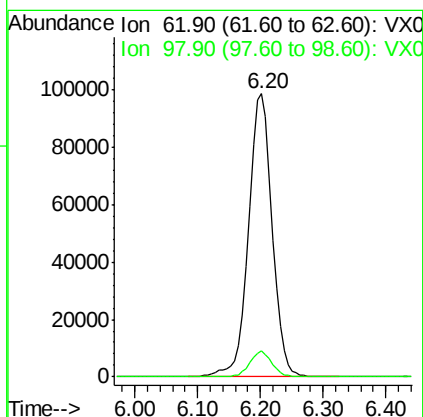
Manual Integrations
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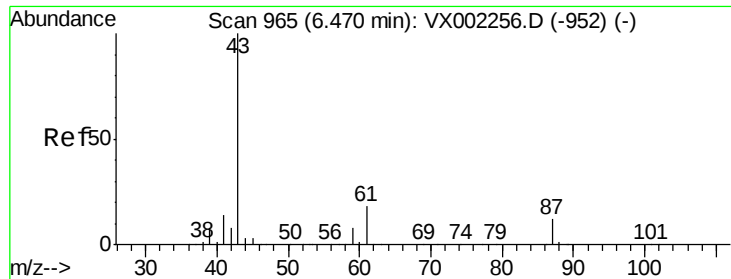
MMDadoda
6/15/2018 1:11:49 PM



#42
1,2-Dichloroethane
Concen: 46.548 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.6	





#43

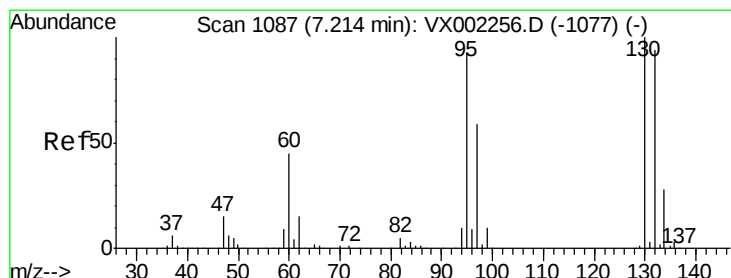
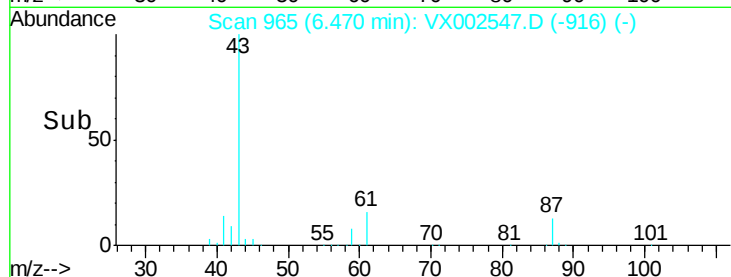
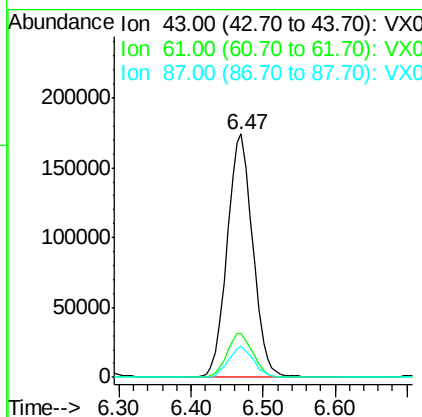
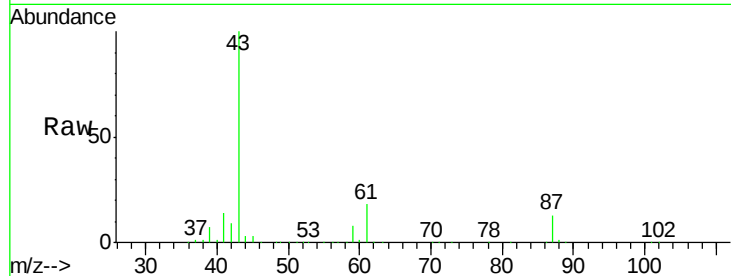
Isopropyl Acetate
 Concen: 46.464 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.4	9.5	14.3

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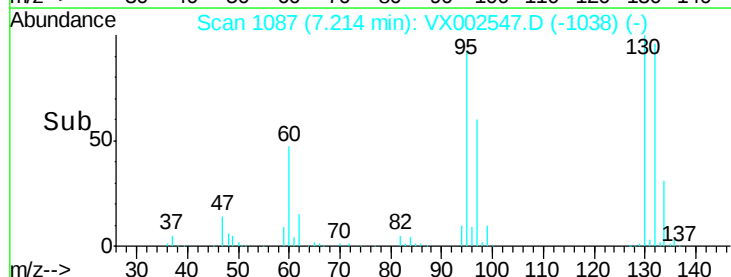
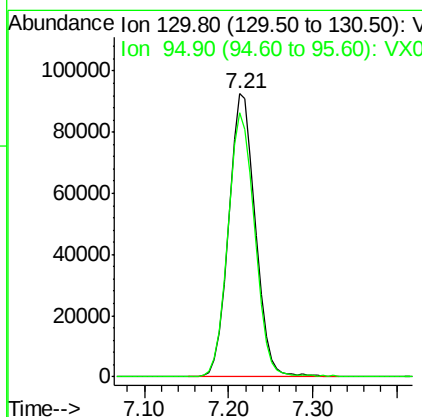
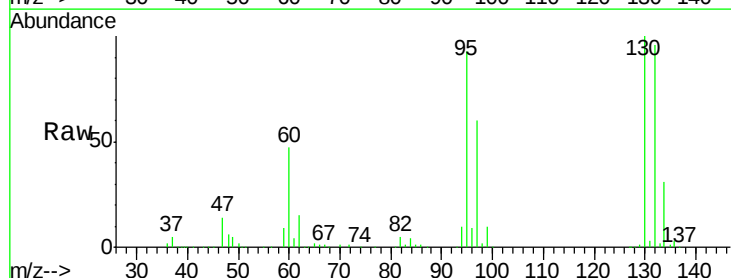
MMDadoda
 6/15/2018 1:11:49 PM

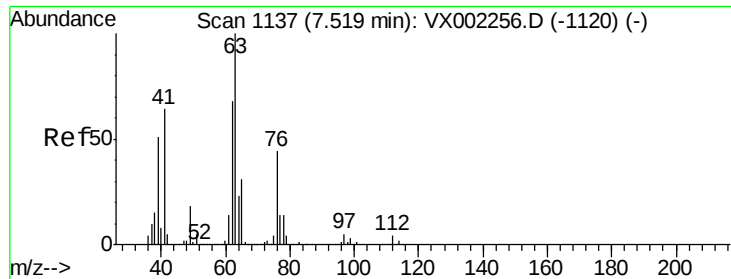


#44

Trichloroethene
 Concen: 51.365 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 48.168 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 180817

Ion Ratio Lower Upper

63 100

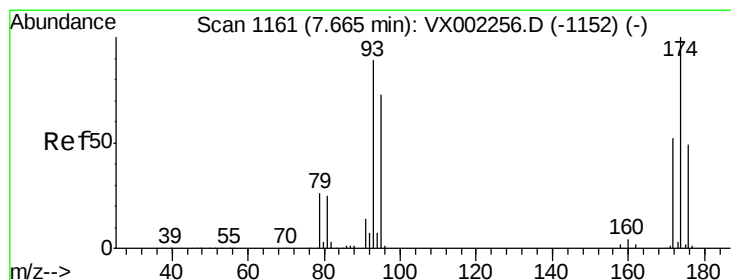
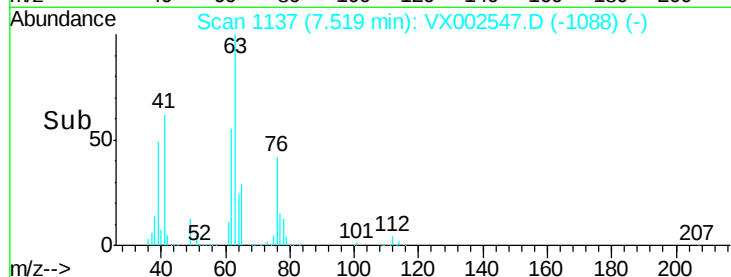
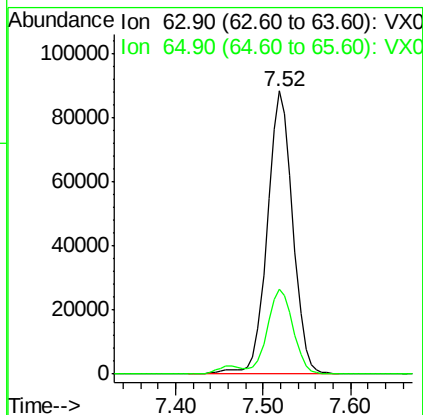
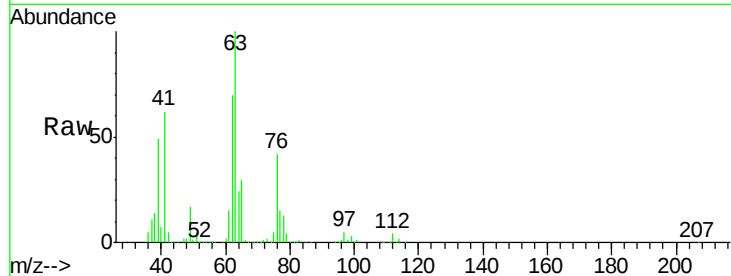
65 29.8 24.7 37.1

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6/15/2018 1:11:49 PM



#46

Dibromomethane

Concen: 46.227 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

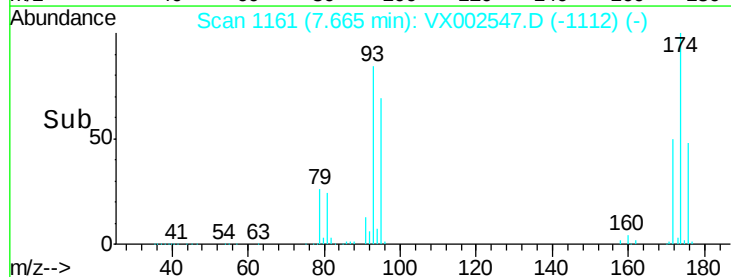
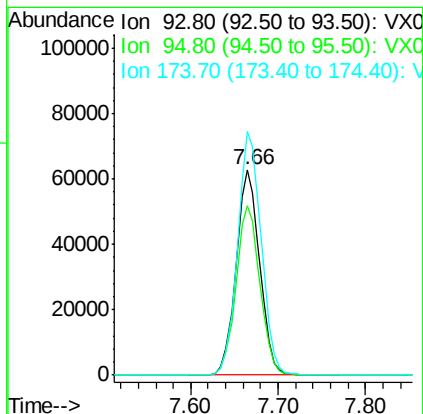
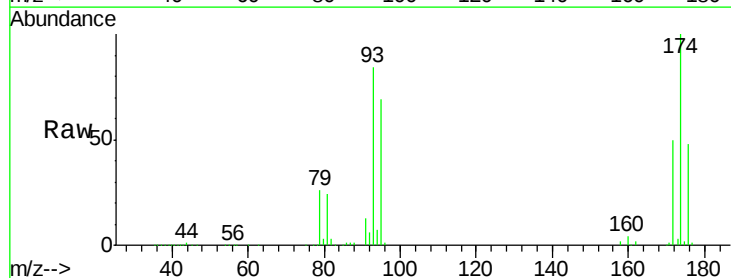
Tgt Ion: 93 Resp: 117636

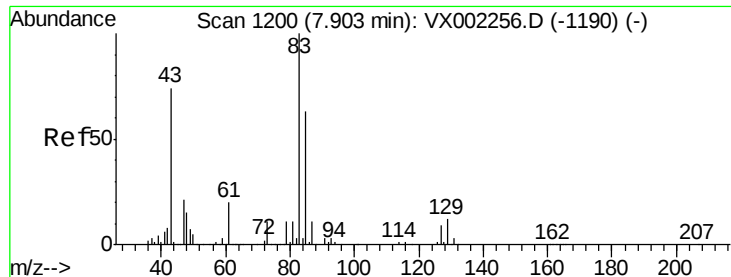
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 119.2 92.4 138.6





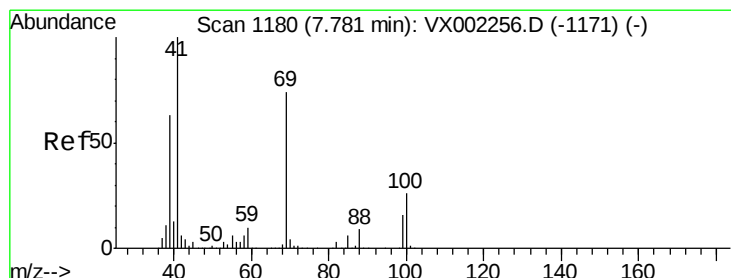
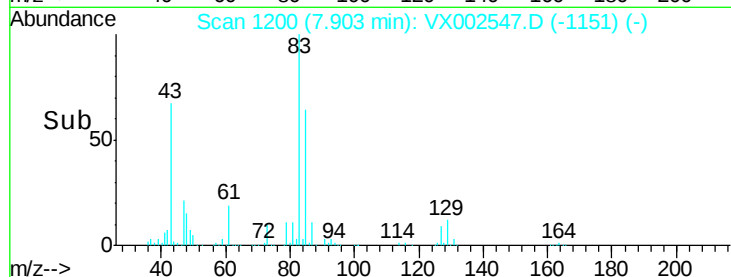
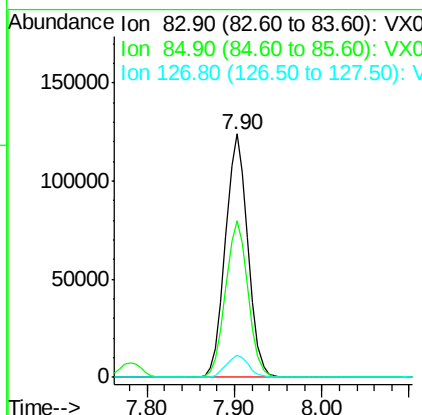
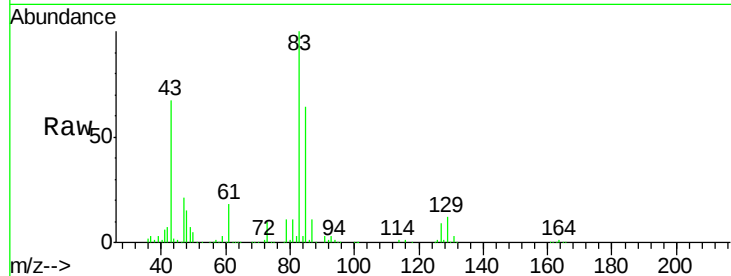
#47
Bromodichloromethane
Concen: 47.847 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220211		
85	64.2	50.3	75.5	
127	8.9	7.0	10.4	

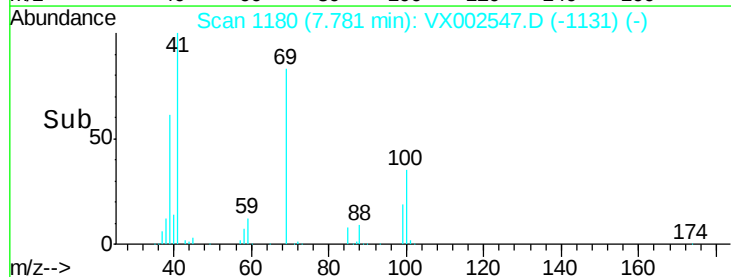
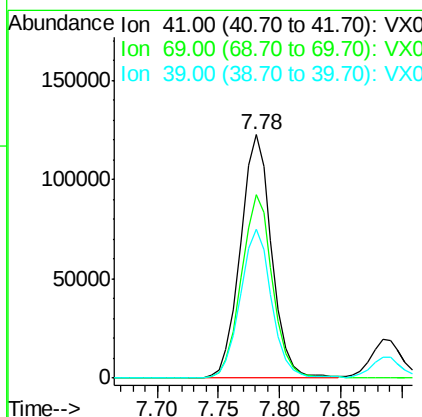
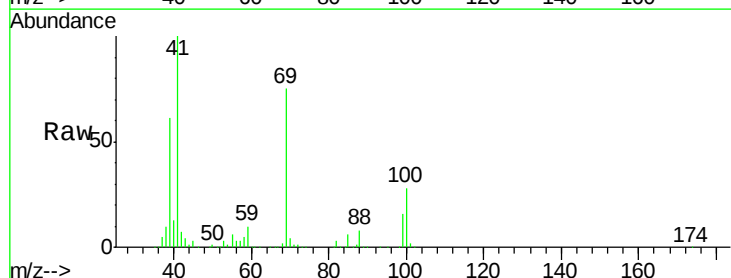
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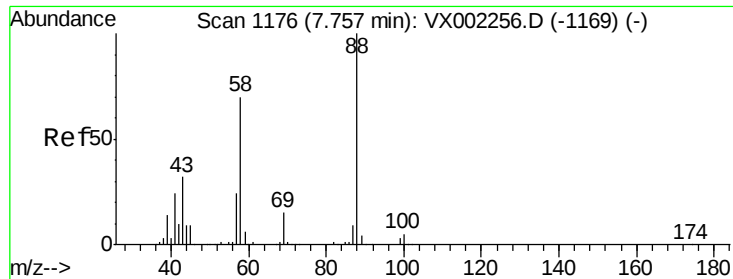
MMDadoda
6/15/2018 1:11:49 PM



#48
Methyl methacrylate
Concen: 46.390 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	215857		
69	76.2	59.1	88.7	
39	61.3	48.9	73.3	





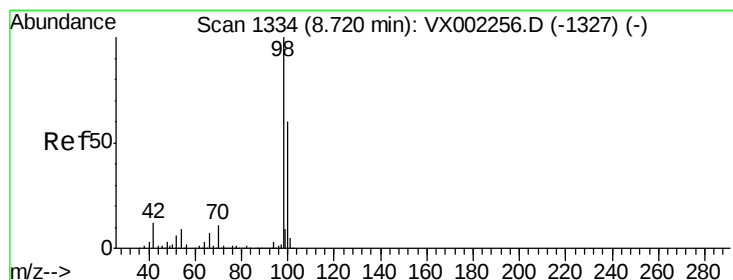
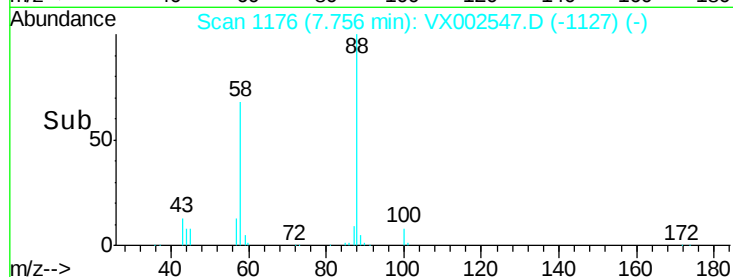
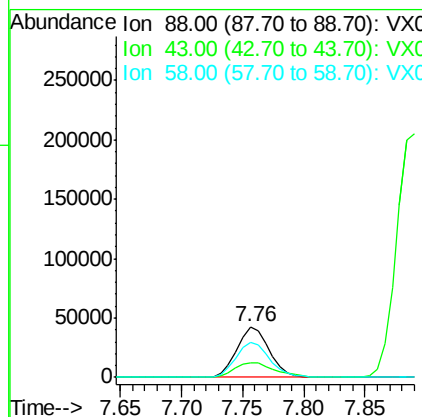
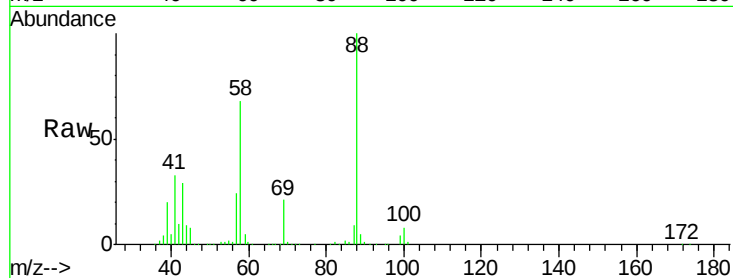
#49
1,4-Dioxane
Concen: 903.248 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.6
58	72.4	57.1	85.7

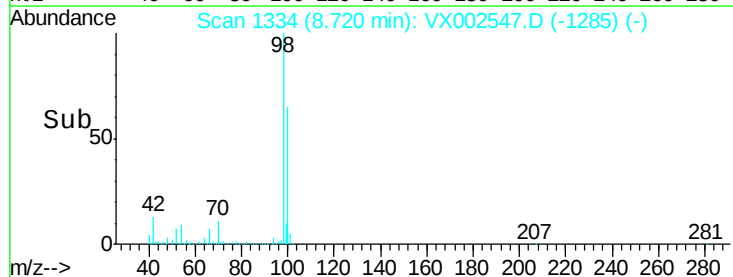
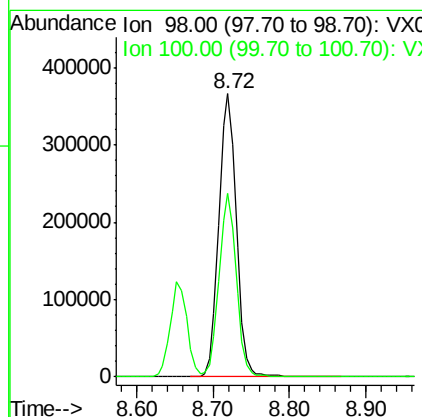
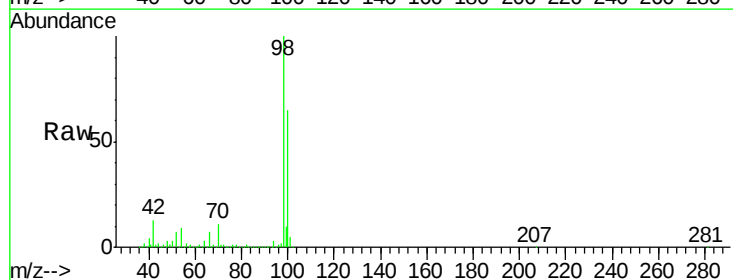
Manual Integrations
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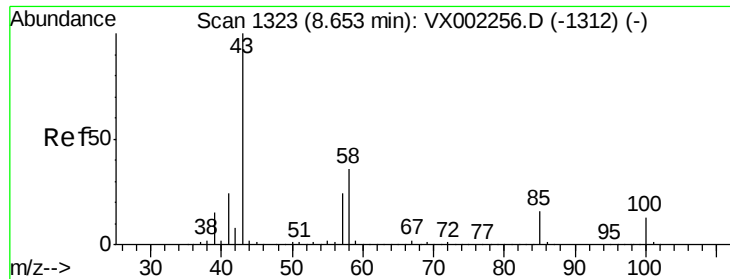
MMDadoda
6/15/2018 1:11:49 PM



#50
Toluene-d8
Concen: 44.676 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 235.352 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1357681

Ion Ratio Lower Upper

43 100

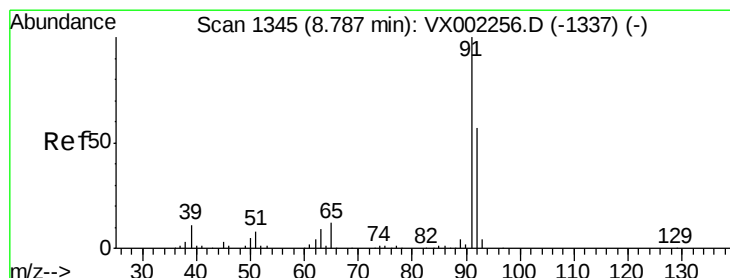
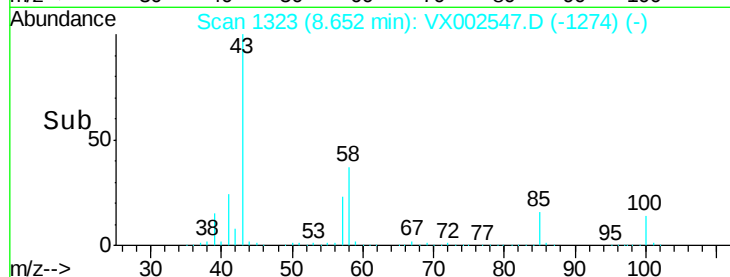
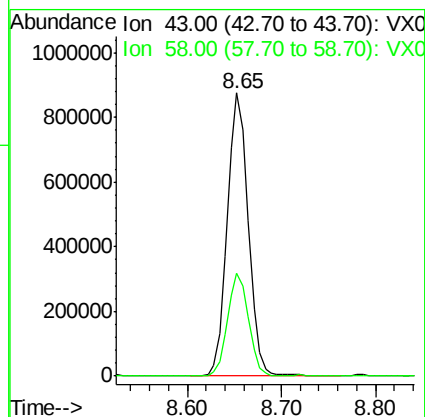
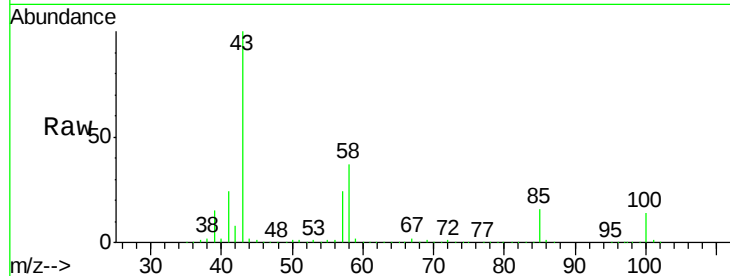
58 36.2 28.6 42.8

Manual Integrations

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MMDadoda

6/15/2018 1:11:49 PM



#52

Toluene

Concen: 48.238 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002547.D

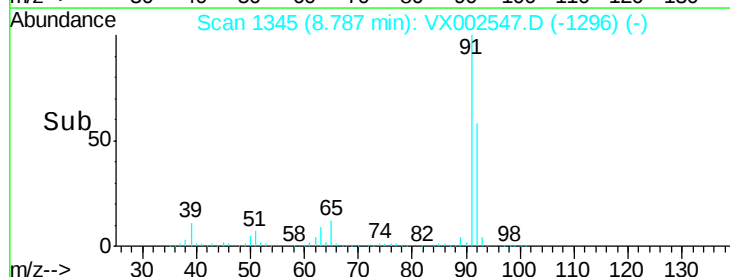
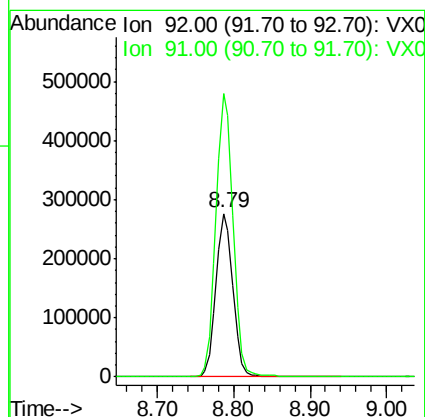
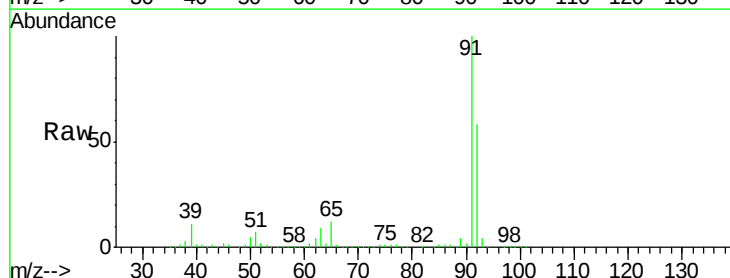
Acq: 14 Jun 2018 10:04

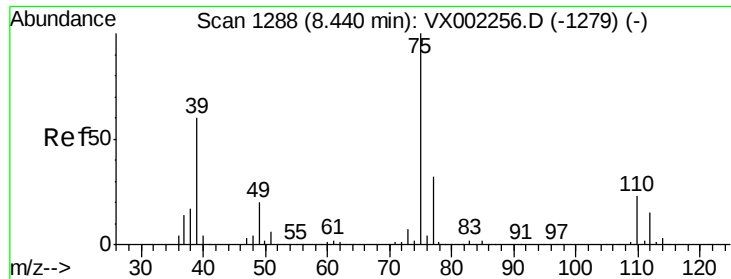
Tgt Ion: 92 Resp: 426603

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





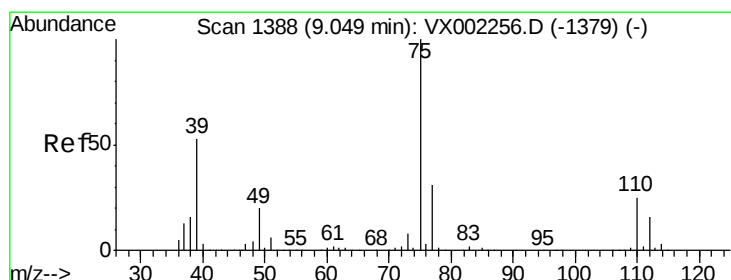
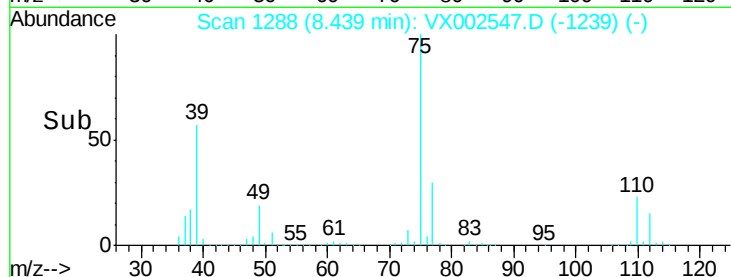
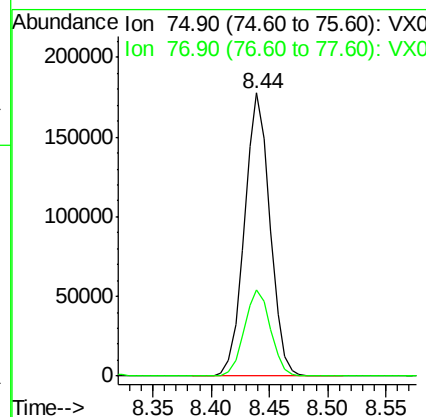
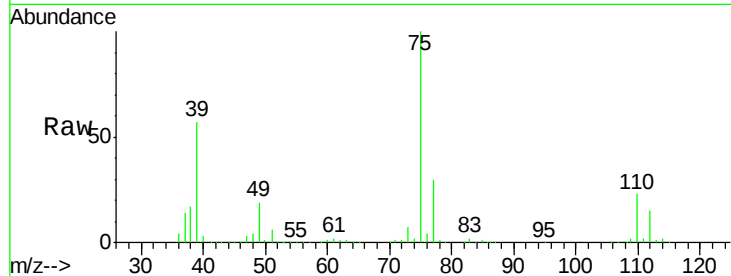
#53
t-1,3-Dichloropropene
Concen: 49.167 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 271370
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.2

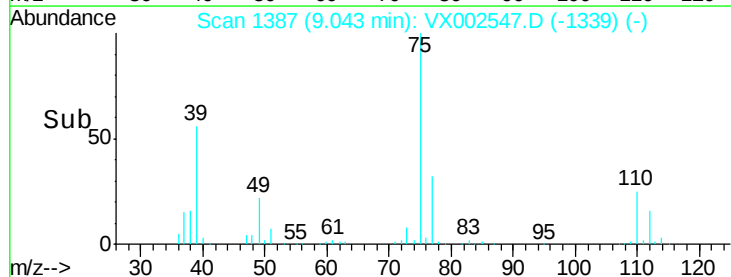
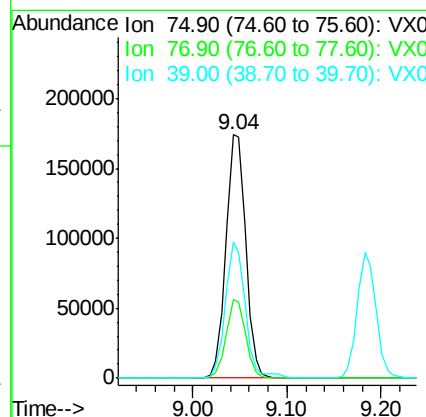
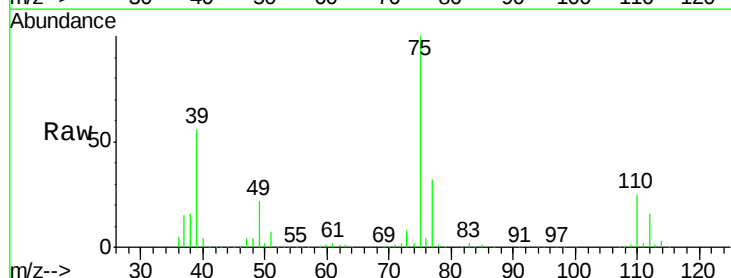
Manual Integrations
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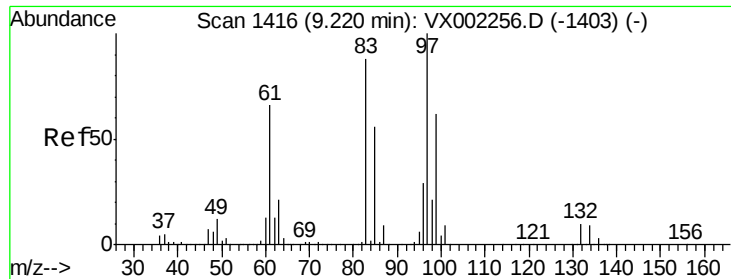
MMDadoda
6/15/2018 1:11:49 PM



#54
cis-1,3-Dichloropropene
Concen: 48.720 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion: 75 Resp: 253694
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2
39 55.7 42.4 63.6





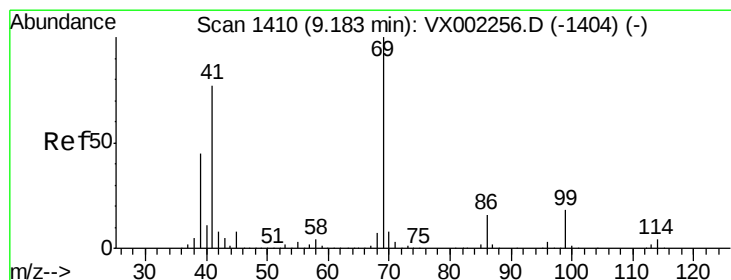
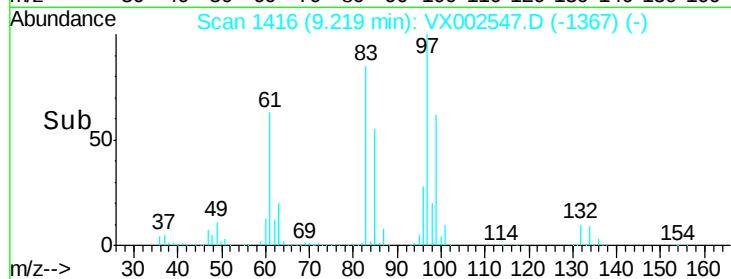
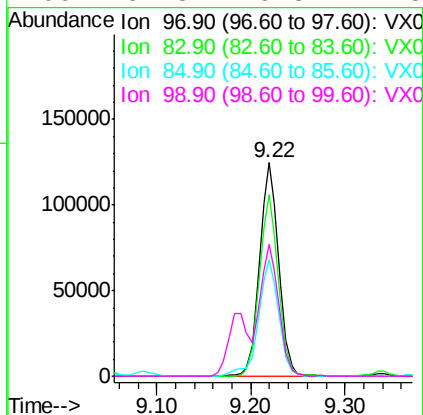
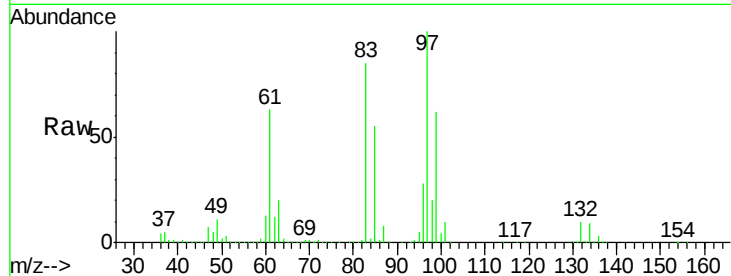
#55
 1,1,2-Trichloroethane
 Concen: 49.200 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	178958
Ion Ratio	Lower	Upper	
97	100		
83	84.8	70.2	105.2
85	54.8	44.9	67.3
99	61.8	49.8	74.8

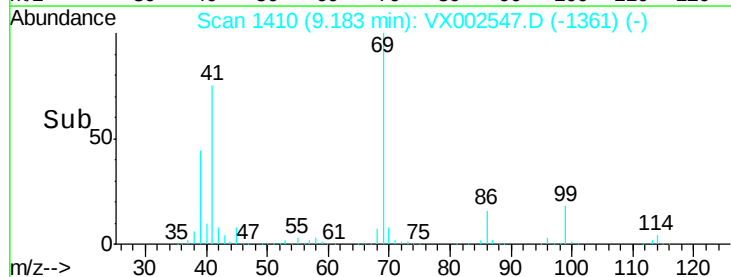
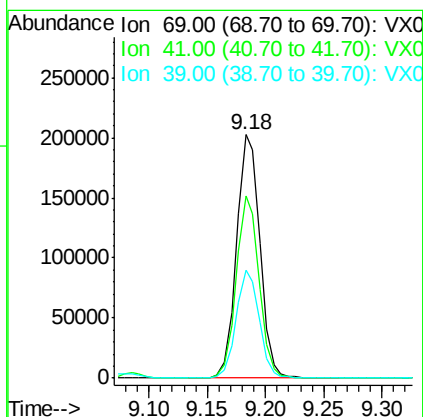
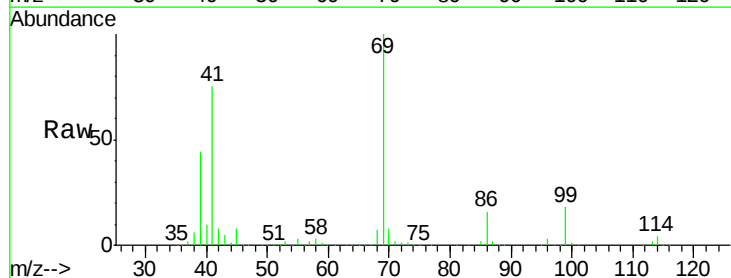
Manual Integrations
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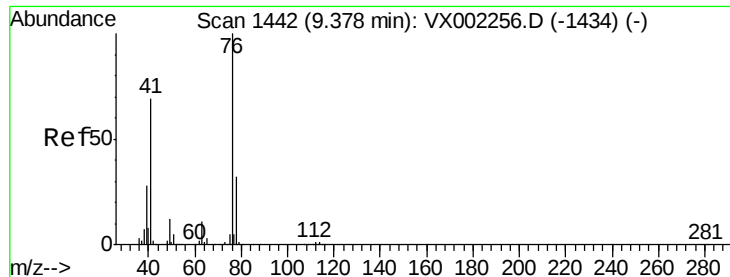
MMDadoda
 6/15/2018 1:11:49 PM



#56
 Ethyl methacrylate
 Concen: 48.627 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion:	69	Resp:	282387
Ion Ratio	Lower	Upper	
69	100		
41	73.3	60.3	90.5
39	43.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 47.859 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 292043

Ion Ratio Lower Upper

76 100

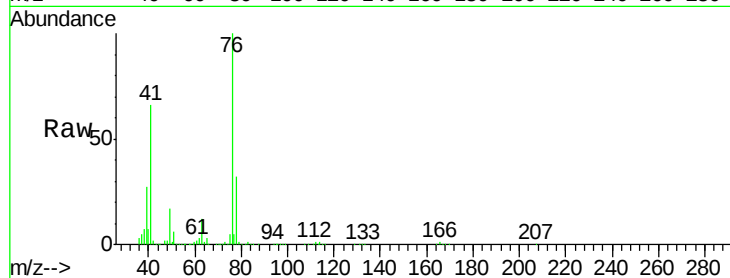
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

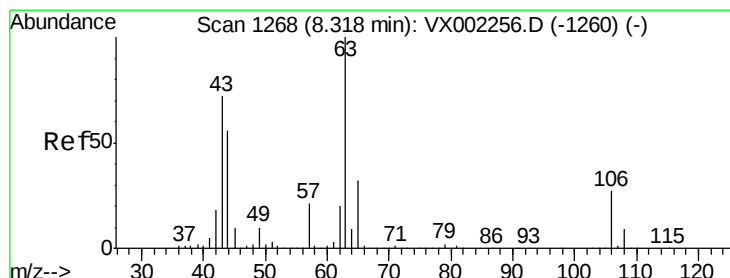
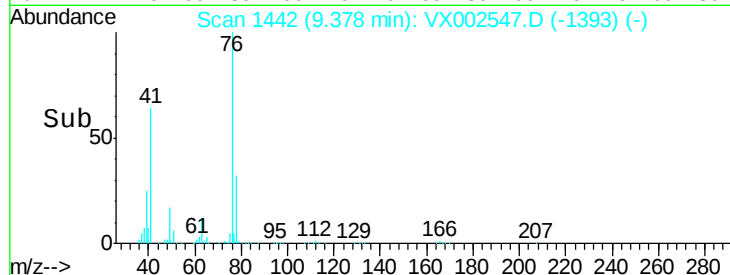
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.851 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002547.D

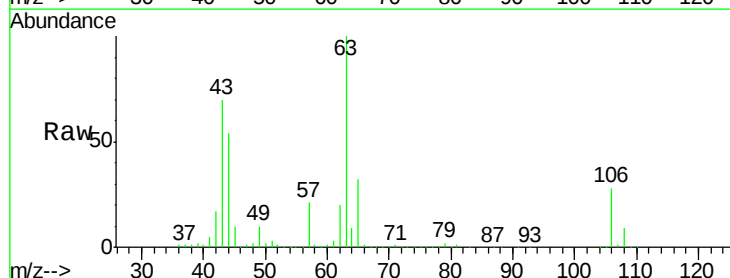
Acq: 14 Jun 2018 10:04

Tgt Ion: 63 Resp: 660794

Ion Ratio Lower Upper

63 100

106 28.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

500000

400000

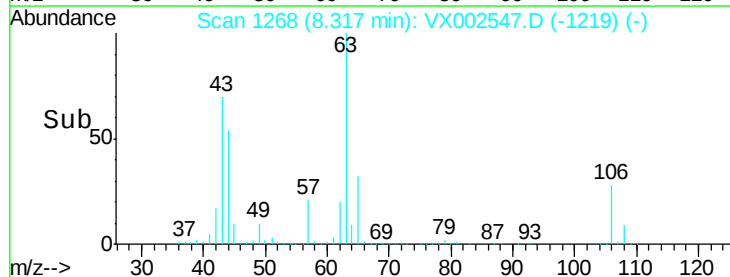
300000

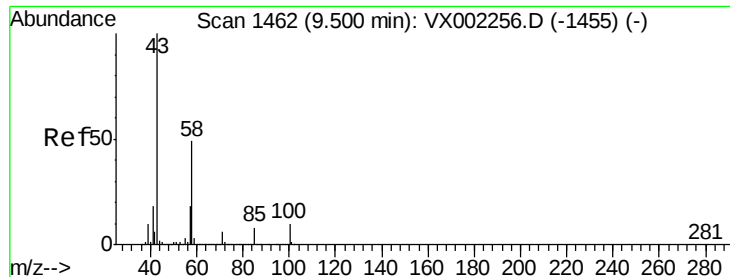
200000

100000

0

Time-->





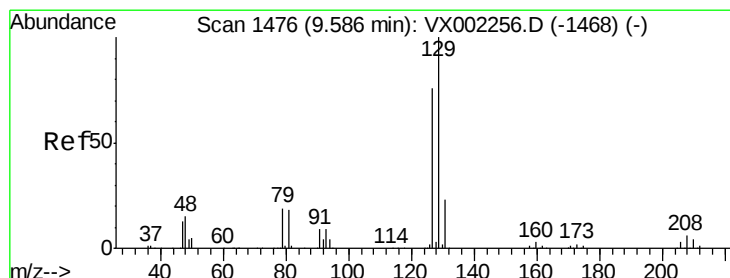
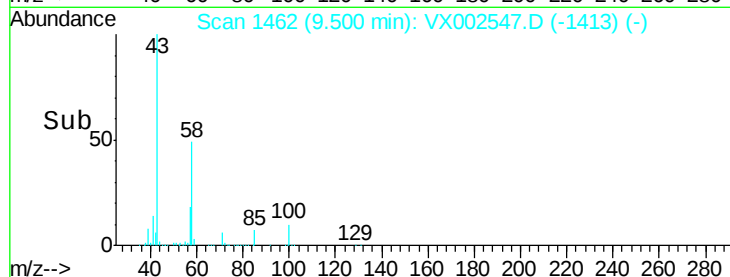
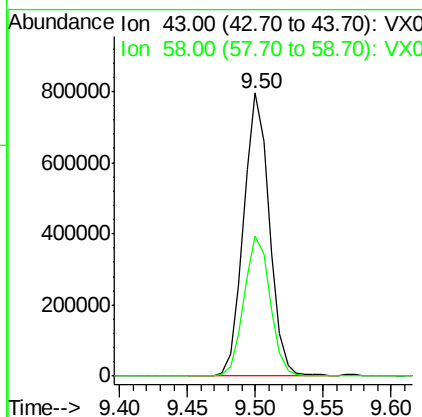
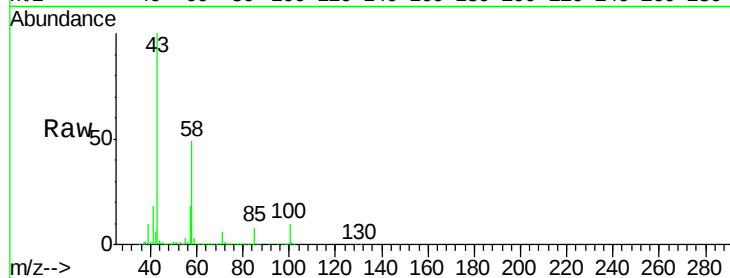
#59
2-Hexanone
Concen: 236.725 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1054796
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6

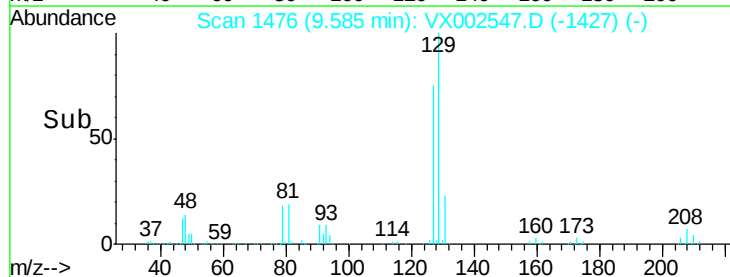
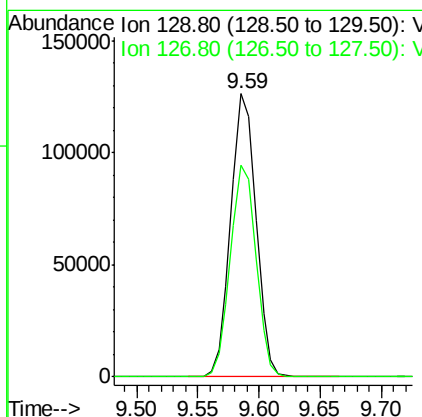
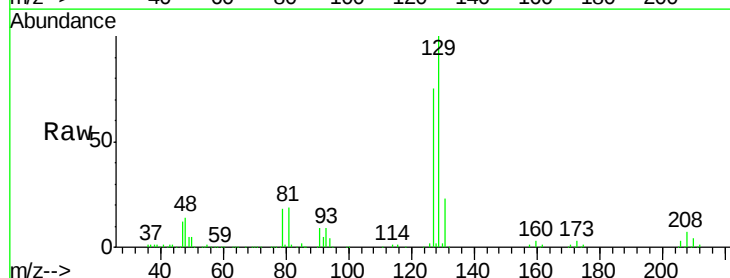
Manual Integrations
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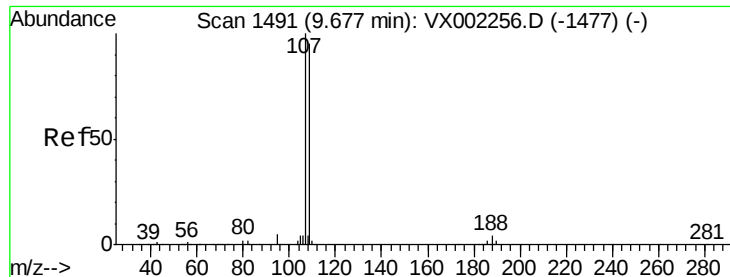
MMDadoda
6/15/2018 1:11:49 PM



#60
Dibromochloromethane
Concen: 49.476 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion: 129 Resp: 181013
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 48.278 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 183101

Ion Ratio Lower Upper

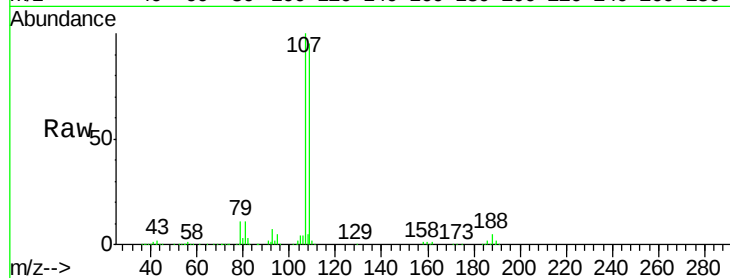
107 100

109 95.3 75.3 112.9

Manual Integrations
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MMDadoda

6/15/2018 1:11:49 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

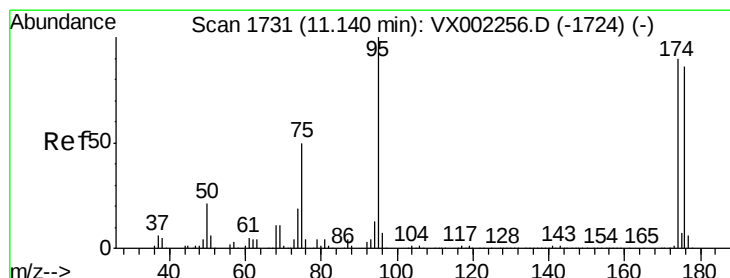
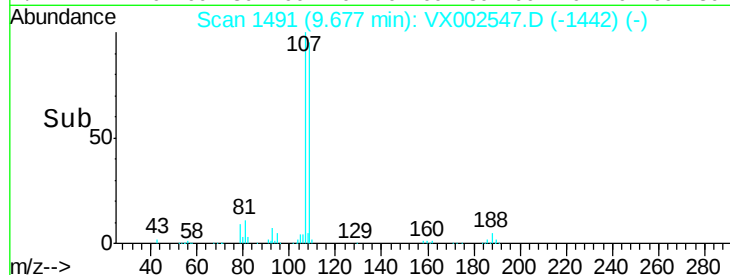
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.642 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

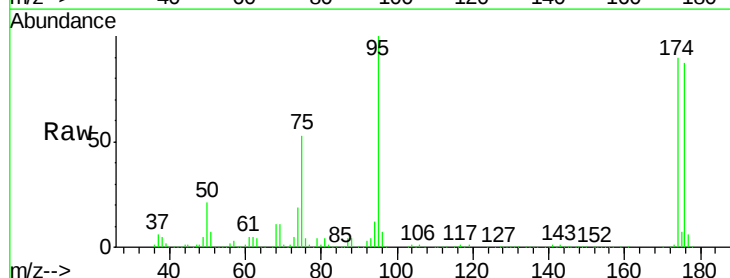
Tgt Ion: 95 Resp: 228851

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

176 93.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

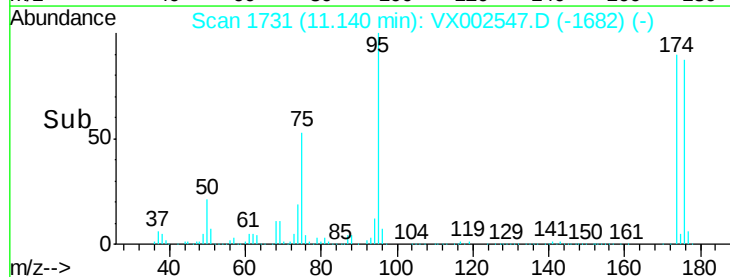
150000

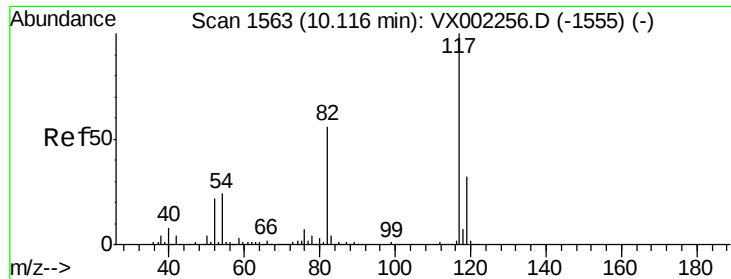
100000

50000

0

Time-->





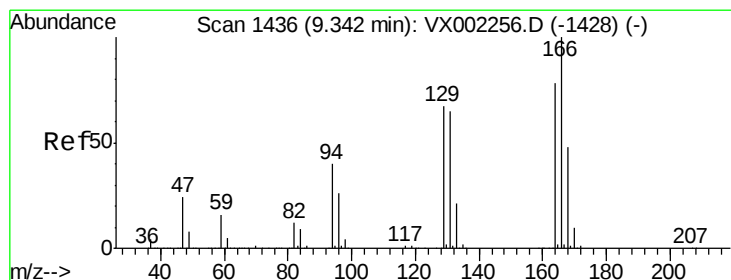
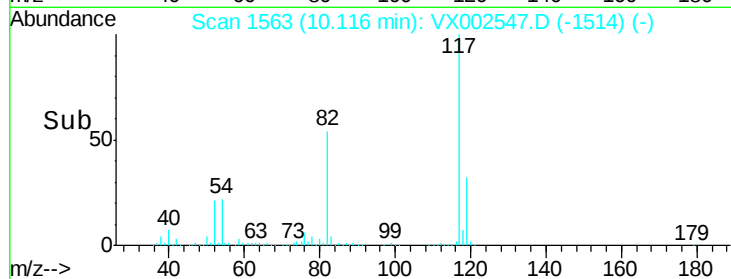
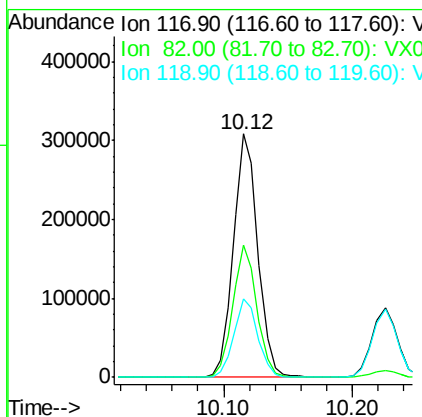
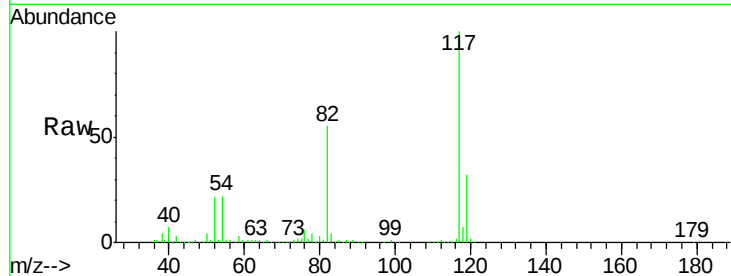
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406952		
82	54.5	45.0	67.4	
119	32.3	25.8	38.6	

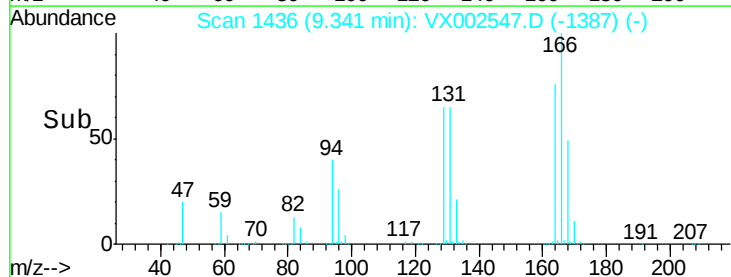
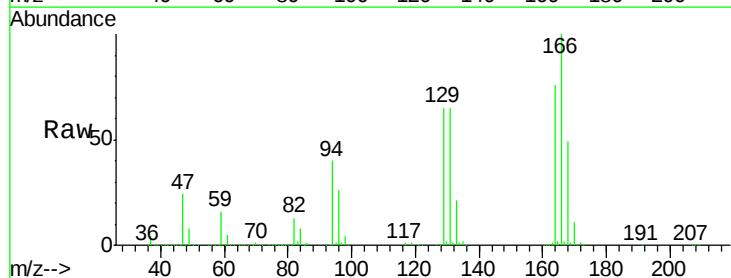
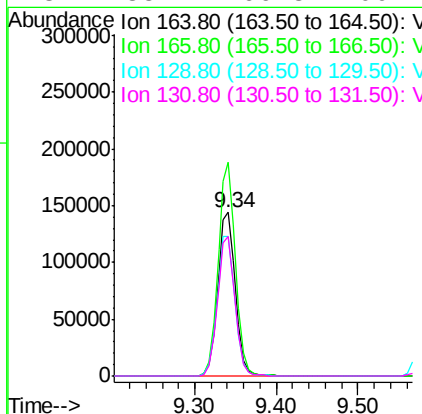
Manual Integrations
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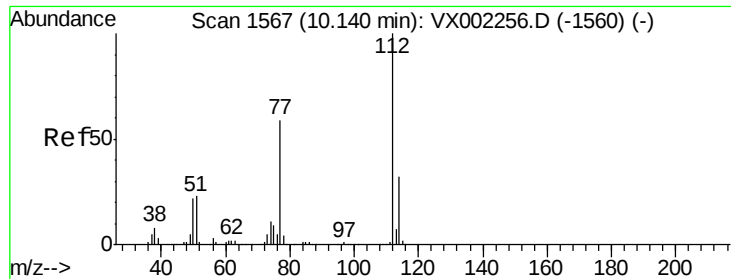
MMDadoda
6/15/2018 1:11:49 PM



#64
Tetrachloroethene
Concen: 51.694 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216958		
166	130.8	102.9	154.3	
129	85.1	68.6	102.8	
131	85.1	66.8	100.2	





#65

Chlorobenzene

Concen: 49.432 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 500551

Ion Ratio Lower Upper

112 100

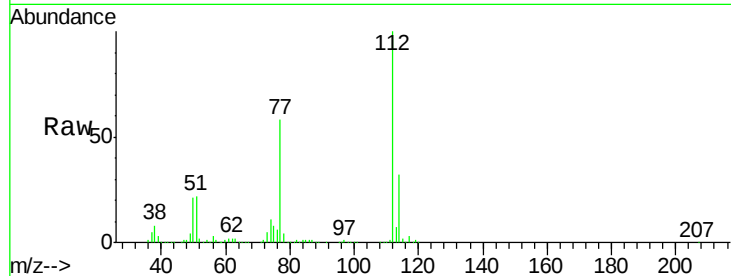
114 32.1 25.3 37.9

Manual Integrations

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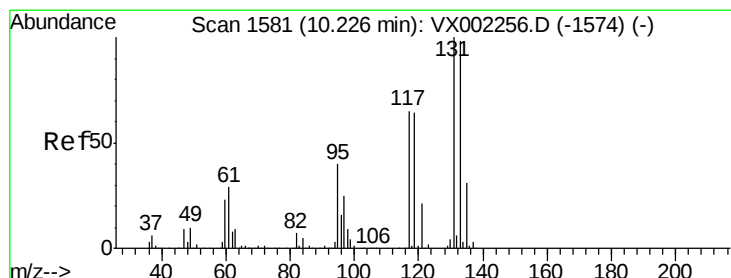
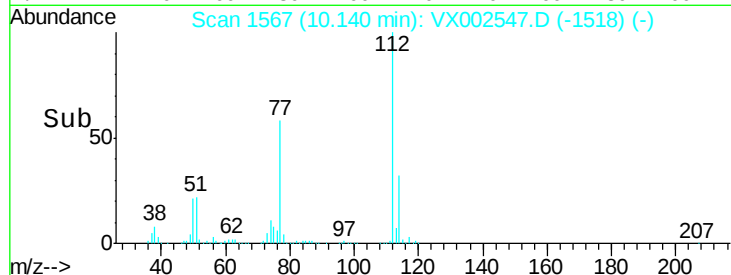
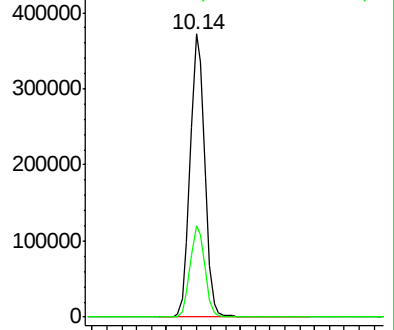
MMDadoda

6/15/2018 1:11:49 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.265 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

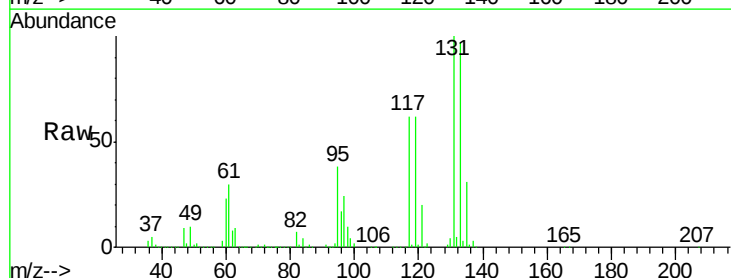
Tgt Ion:131 Resp: 184299

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.6

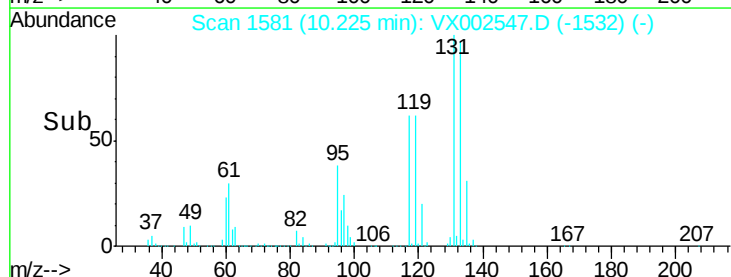
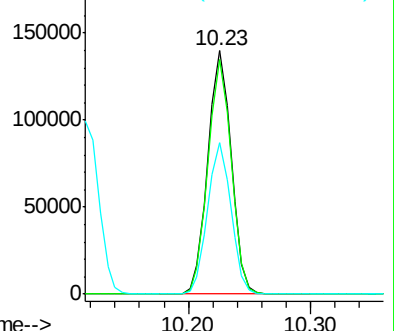
119 62.4 31.8 95.3

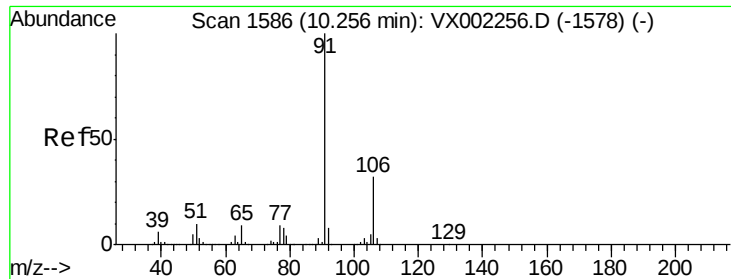


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





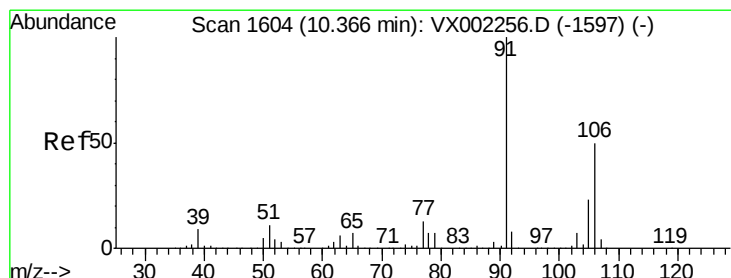
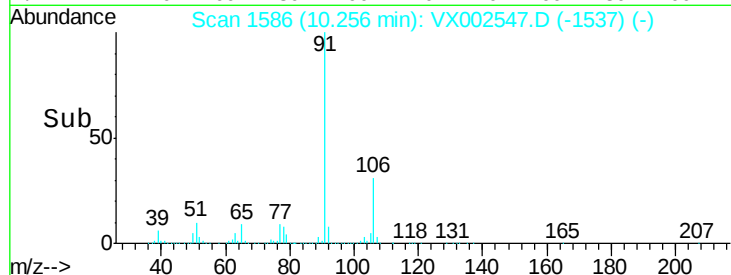
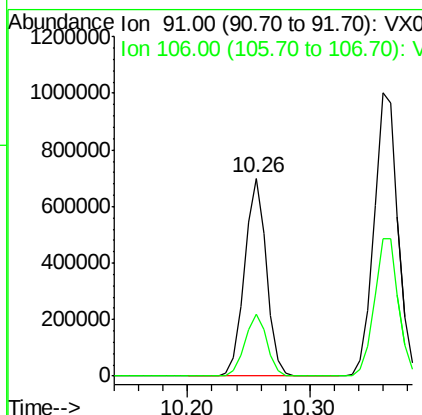
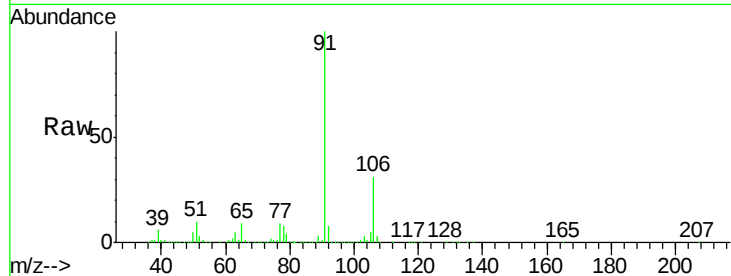
#67
Ethyl Benzene
Concen: 51.129 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 866447
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

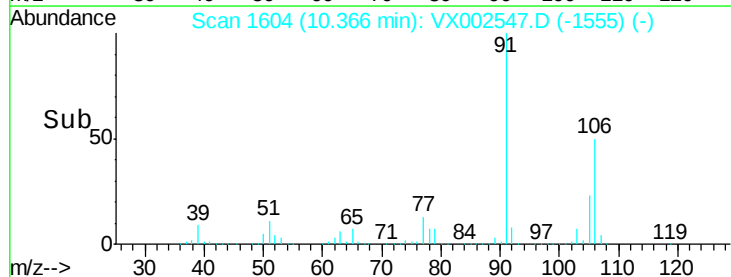
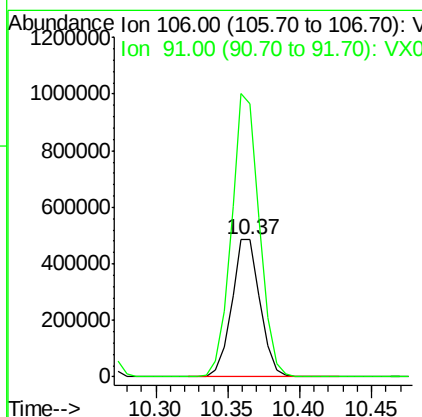
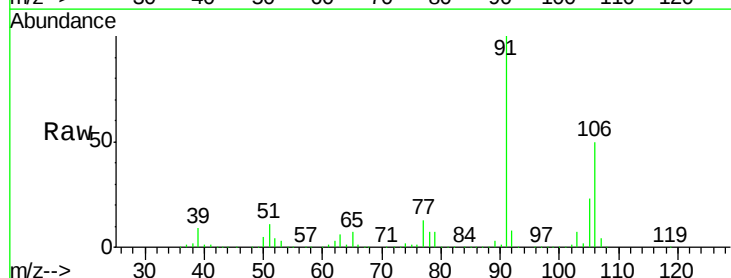
Manual Integrations
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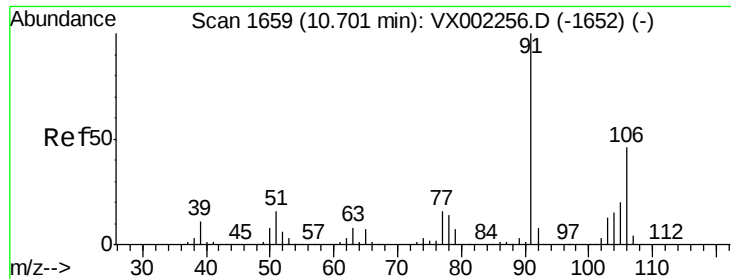
MMDadoda
6/15/2018 1:11:49 PM



#68
m/p-Xylenes
Concen: 101.165 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion: 106 Resp: 666415
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2





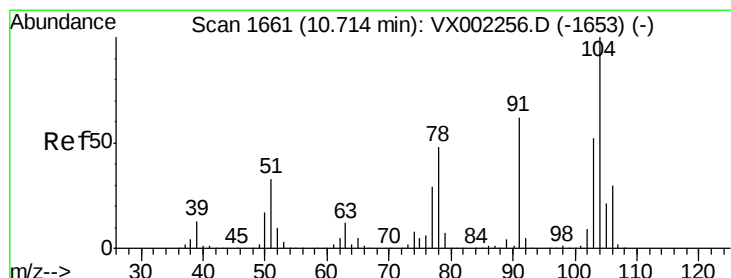
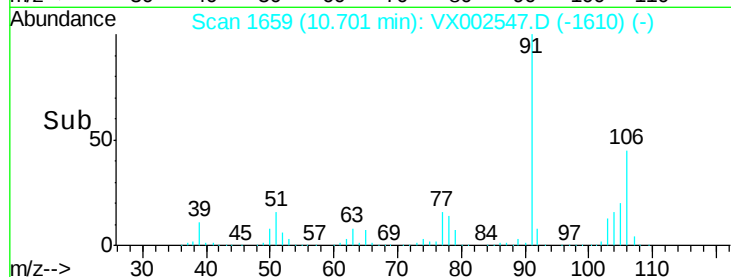
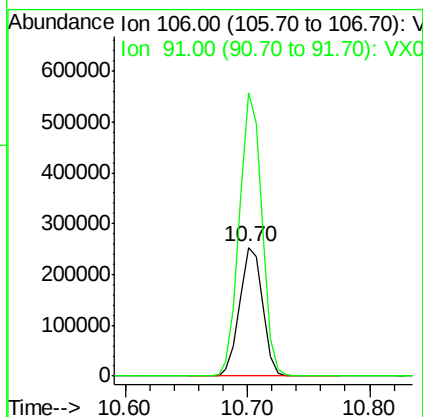
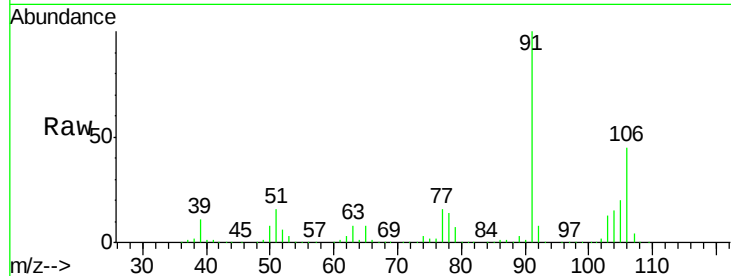
#69
o-Xylene
Concen: 49.809 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 326522
Ion Ratio Lower Upper
106 100
91 215.8 108.2 324.6

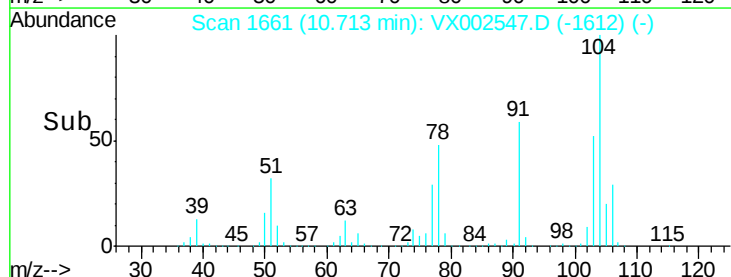
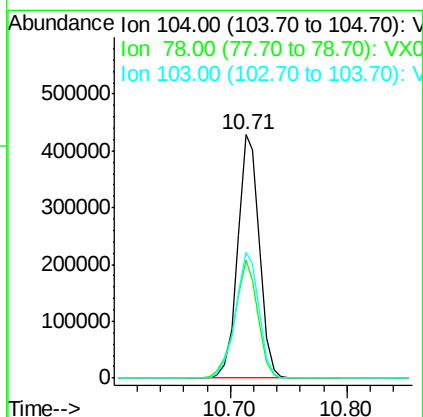
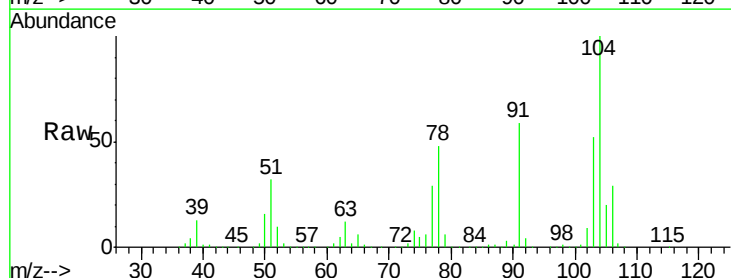
Manual Integrations
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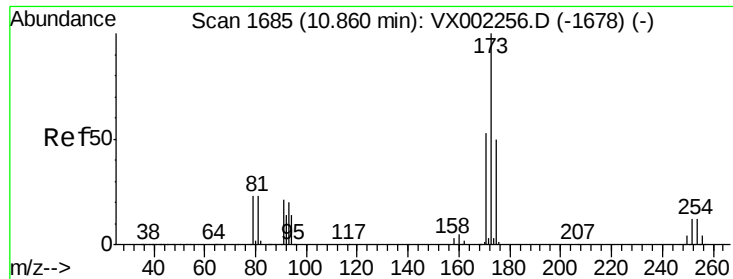
MMDadoda
6/15/2018 1:11:49 PM



#70
Styrene
Concen: 51.399 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion:104 Resp: 550826
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 42.708 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 138463

Ion Ratio Lower Upper

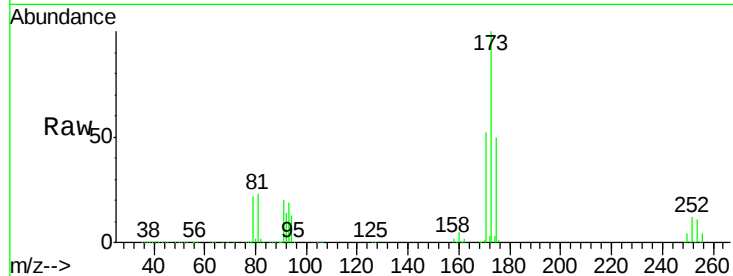
173 100

175 49.3 24.7 74.1

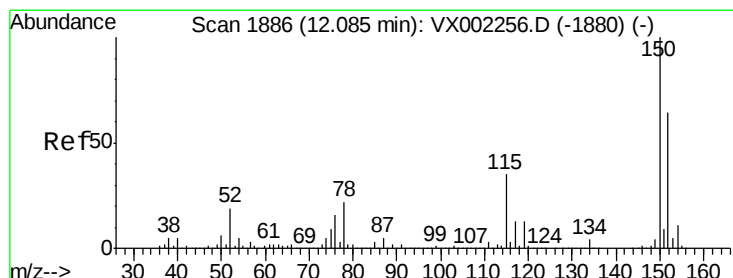
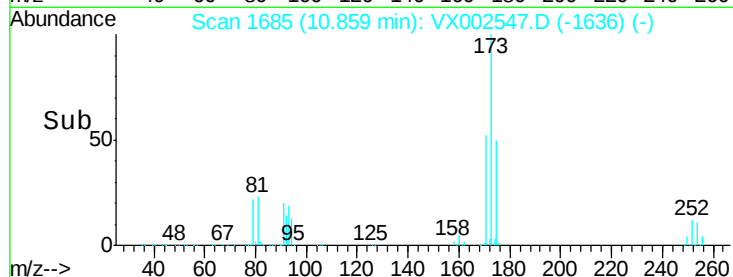
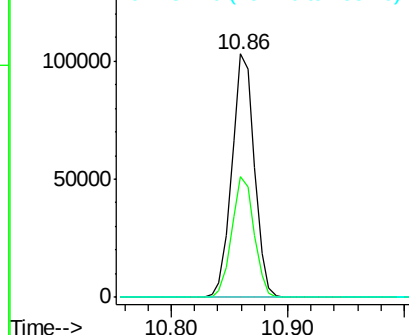
254 0.1 0.2 0.2#

Manual Integrations
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MMDadoda
6/15/2018 1:11:49 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

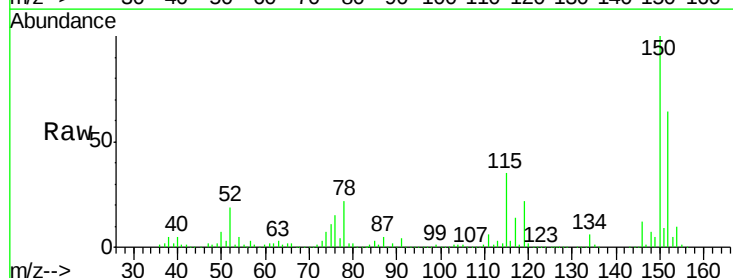
Tgt Ion:152 Resp: 261502

Ion Ratio Lower Upper

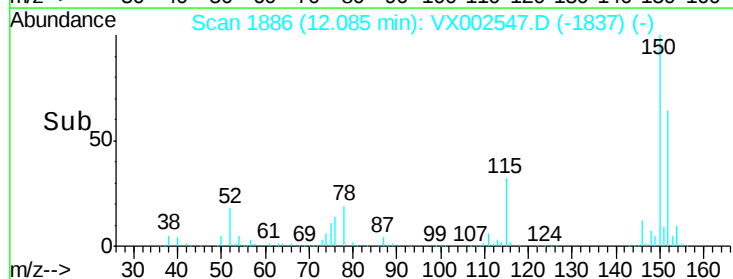
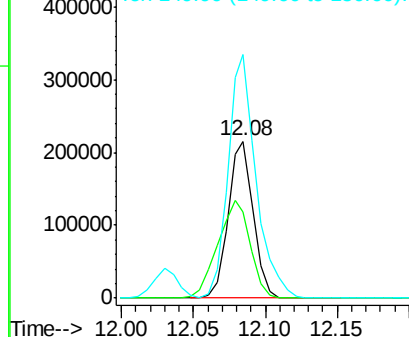
152 100

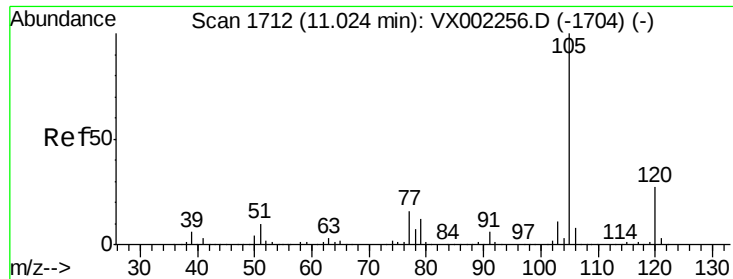
115 80.4 40.1 120.2

150 173.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.642 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 903050

Ion Ratio Lower Upper

105 100

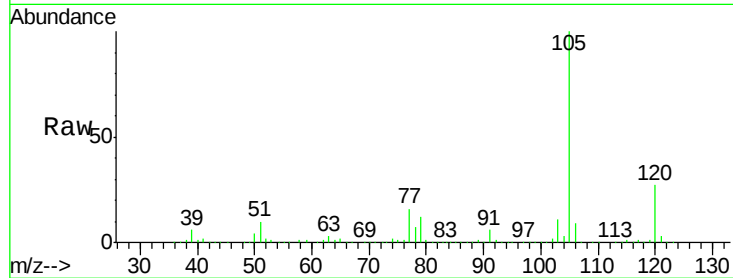
120 27.2 13.5 40.4

Manual Integrations

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6/15/2018 1:11:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

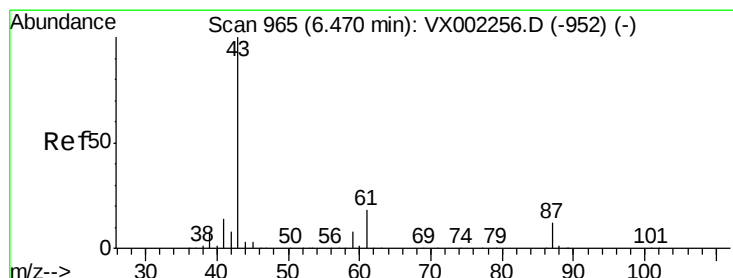
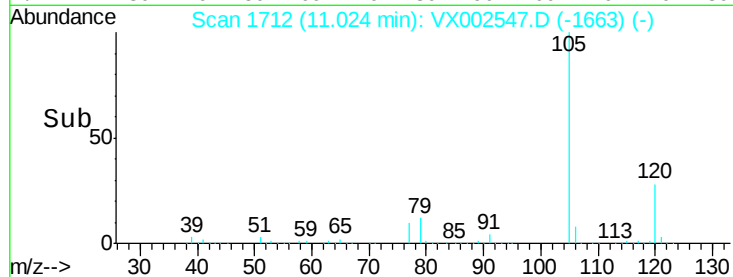
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 43.910 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion: 43 Resp: 430411

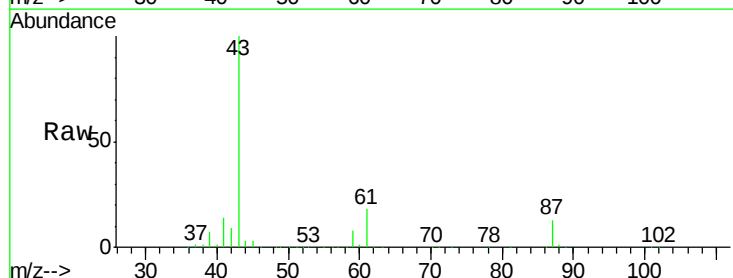
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.3 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.47

250000

200000

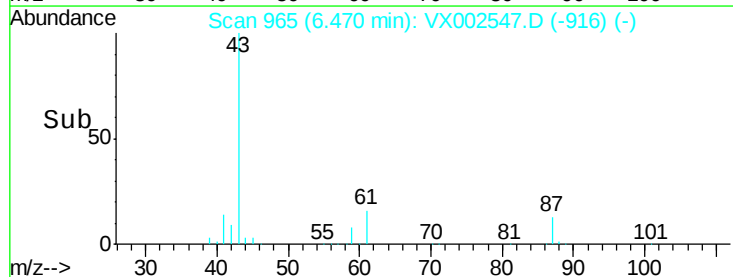
150000

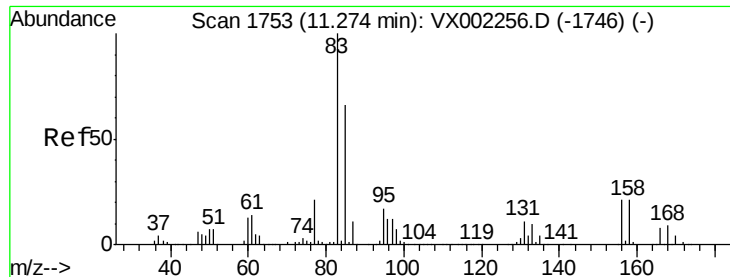
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.956 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

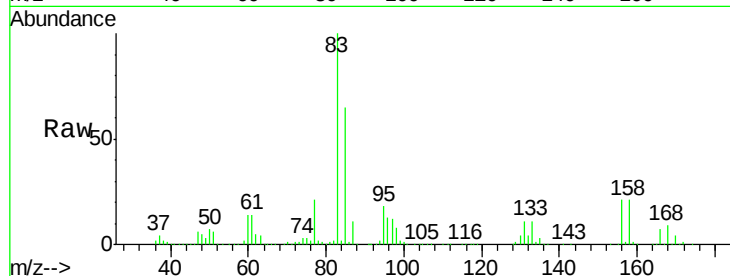
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	257211
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.0	32.4	97.2

Manual Integrations
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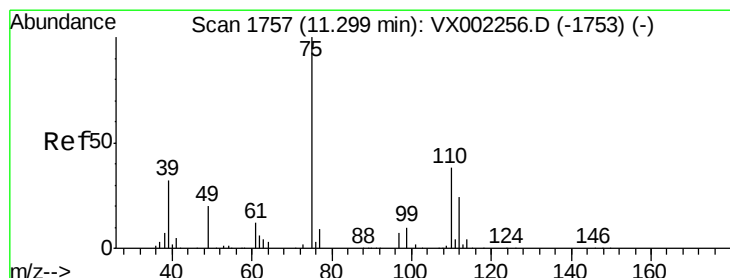
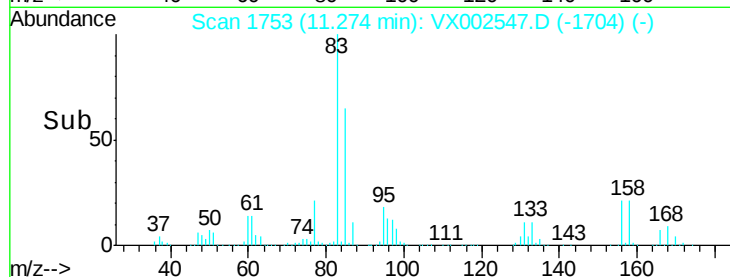
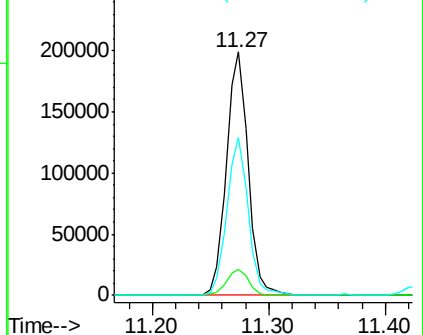
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.230 ug/l m

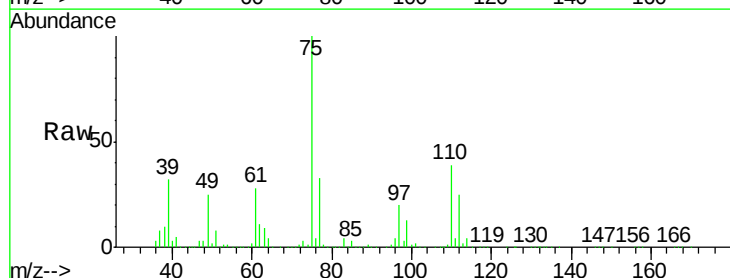
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002547.D

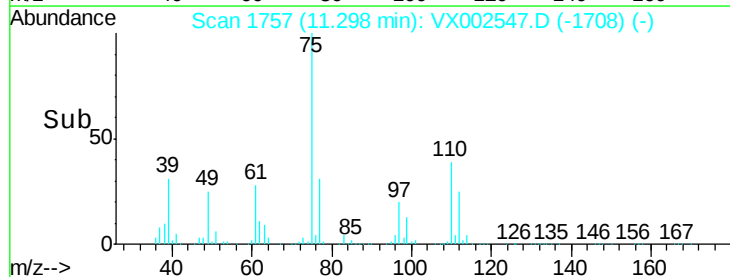
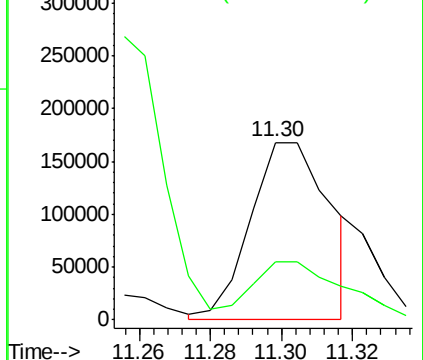
Acq: 14 Jun 2018 10:04

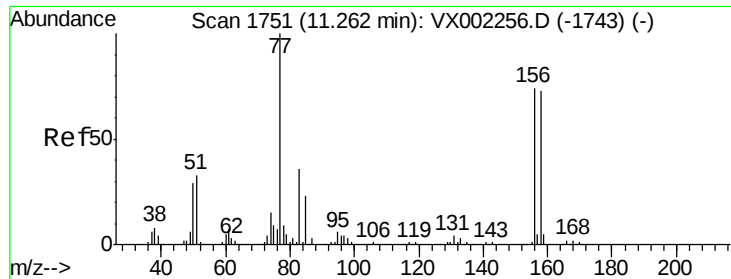
Tgt Ion:	75	Resp:	259531
Ion Ratio	Lower	Upper	
75	100		
77	38.6	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.100 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

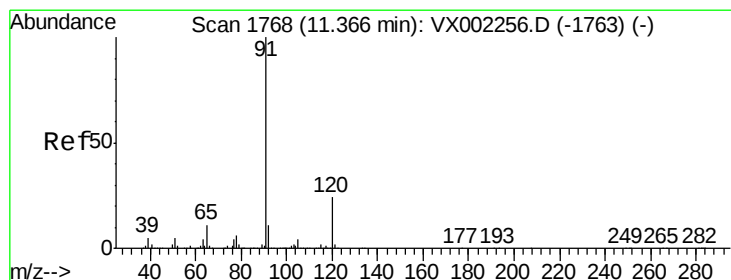
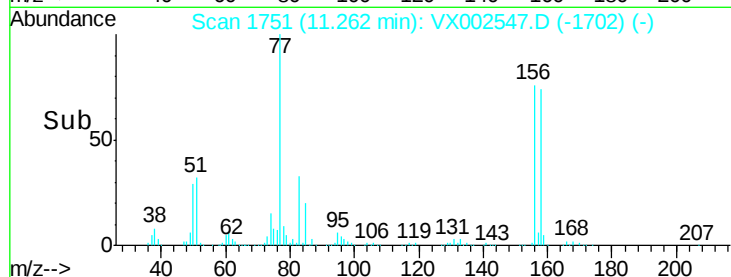
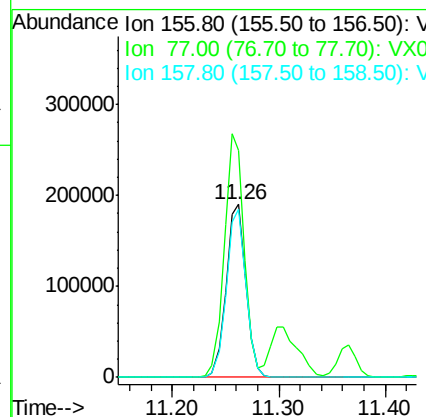
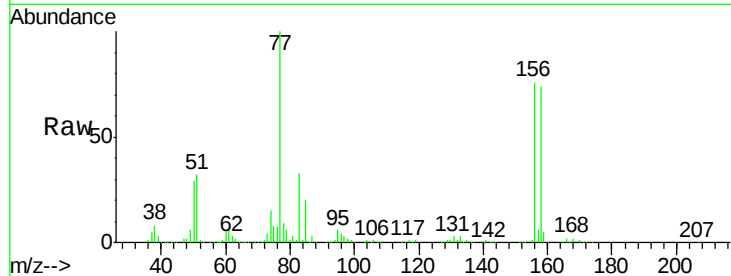
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.1	71.4	214.2
158	96.6	48.9	146.6

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#78

n-propylbenzene

Concen: 51.901 ug/l

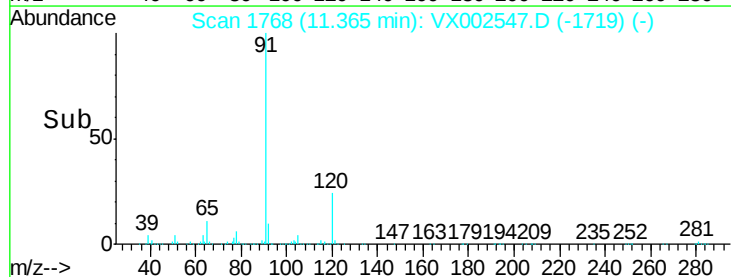
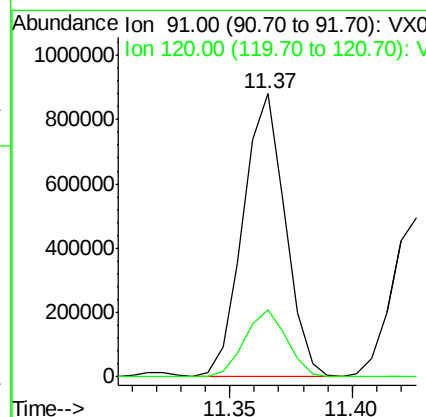
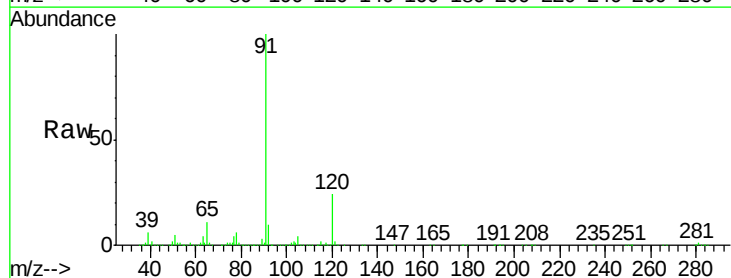
RT: 11.37 min Scan# 1768

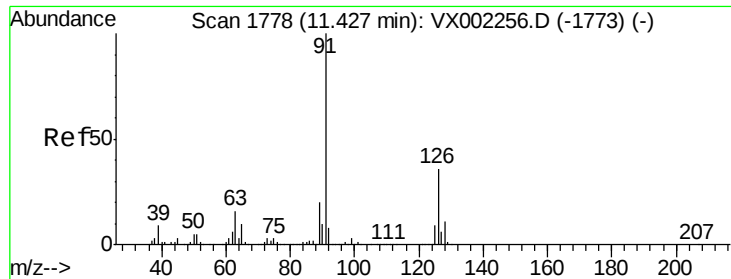
Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.742 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 609520

Ion Ratio Lower Upper

91 100

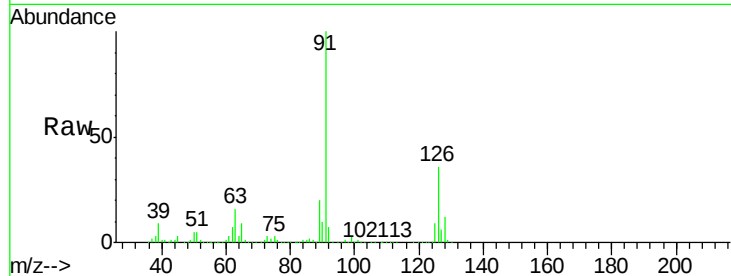
126 35.8 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002256.D (-1773) (-)

1000000

800000

600000

400000

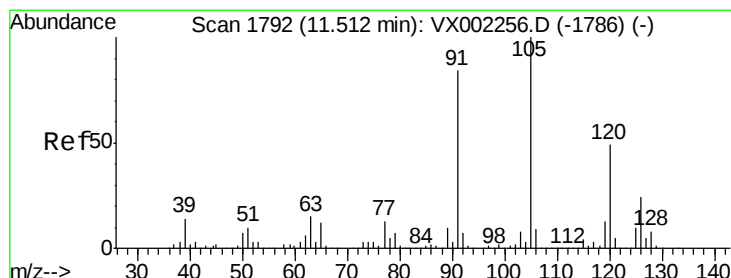
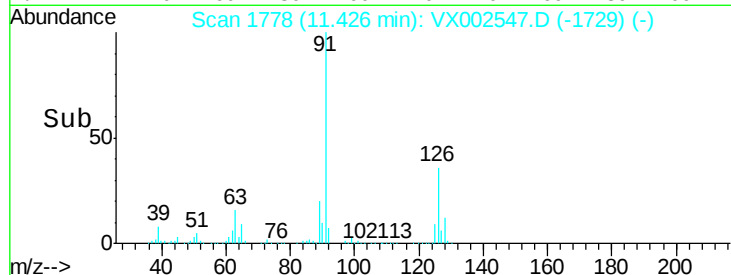
200000

0

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.308 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002547.D

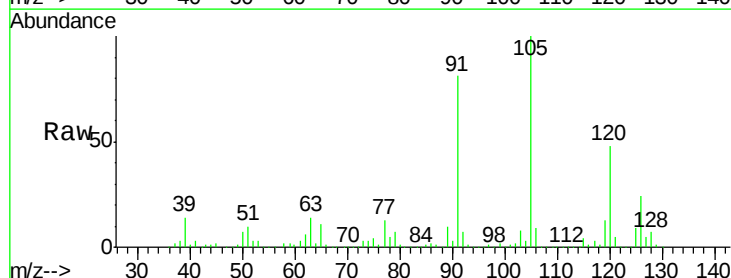
Acq: 14 Jun 2018 10:04

Tgt Ion: 105 Resp: 769354

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002256.D (-1786) (-)

800000

600000

400000

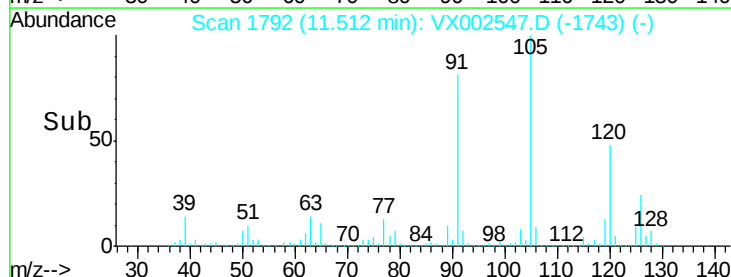
200000

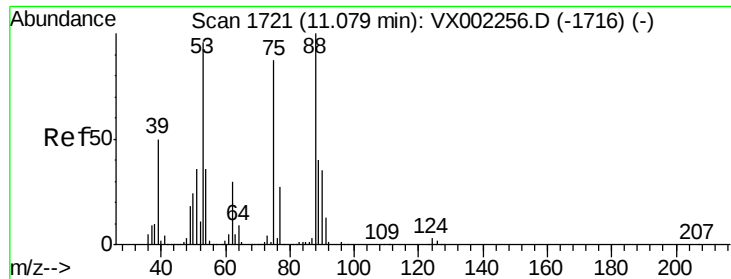
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.418 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 74346

Ion Ratio Lower Upper

75 100

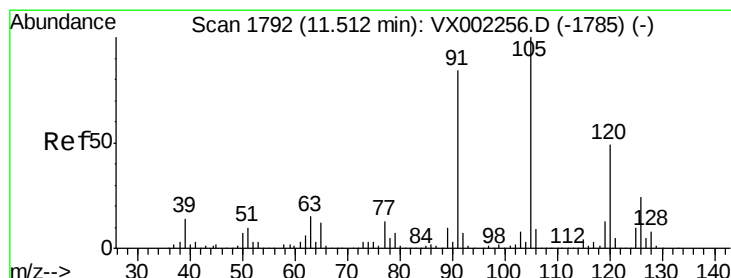
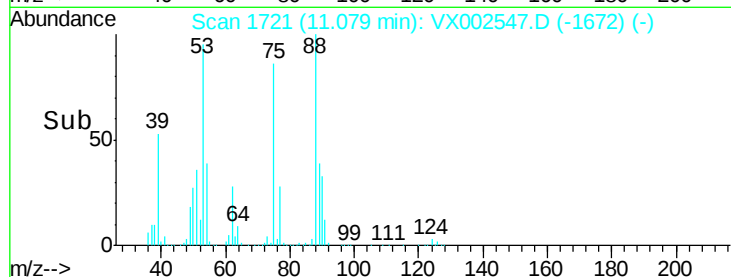
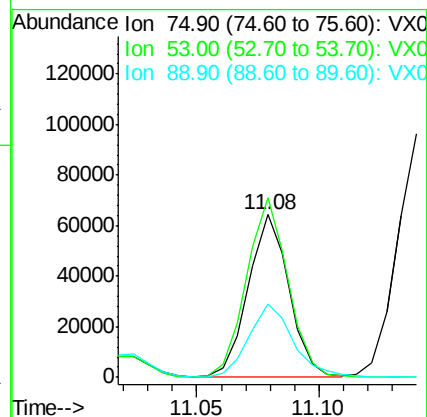
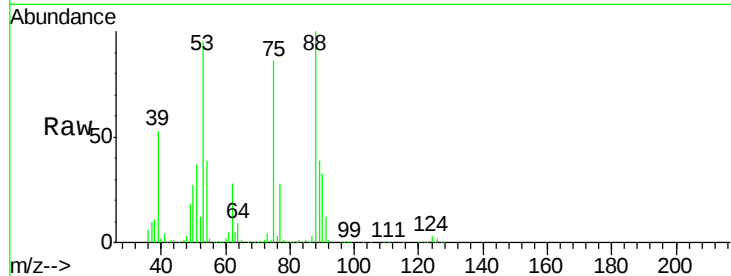
53 111.7 86.8 130.2

89 49.5 38.2 57.2

Manual Integrations
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6/15/2018 1:11:49 PM



#82

4-Chlorotoluene

Concen: 49.445 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX002547.D

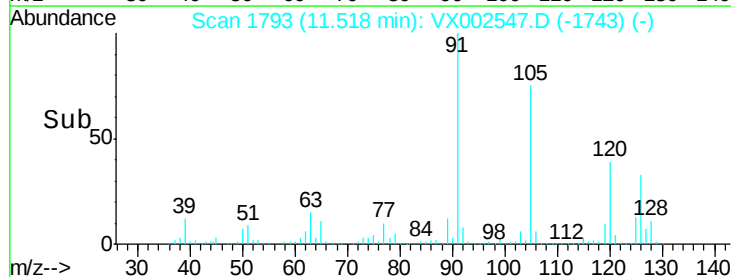
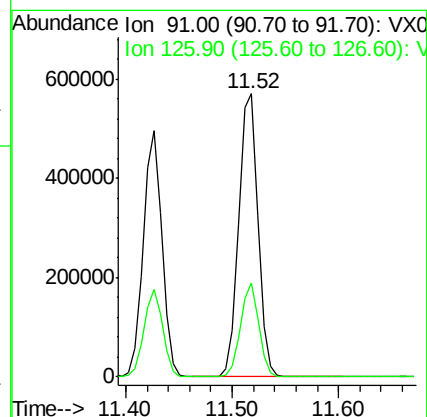
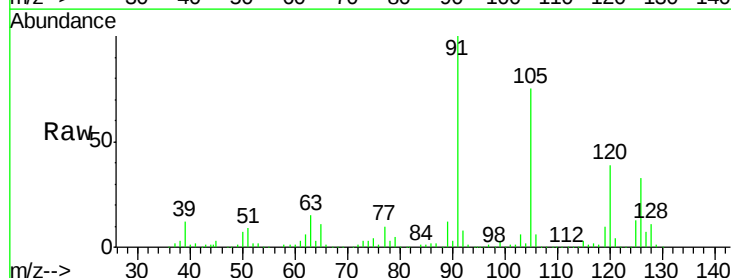
Acq: 14 Jun 2018 10:04

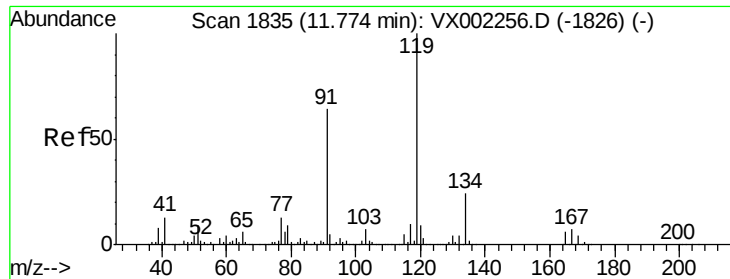
Tgt Ion: 91 Resp: 728634

Ion Ratio Lower Upper

91 100

126 31.3 15.4 46.4





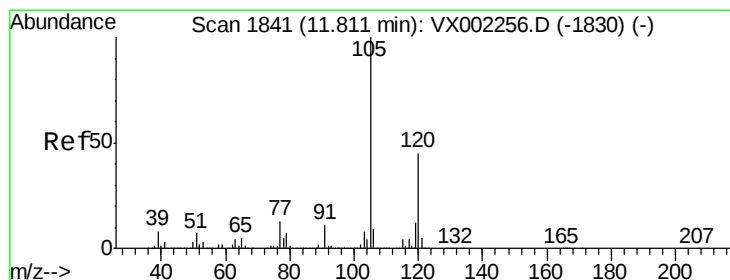
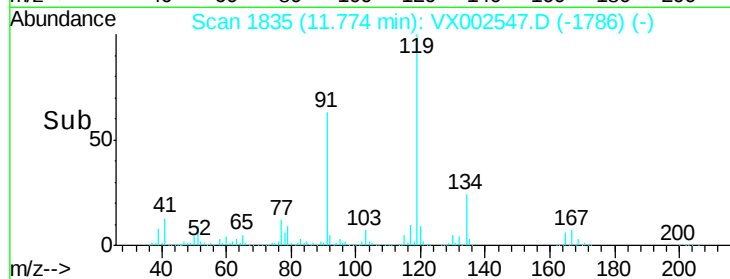
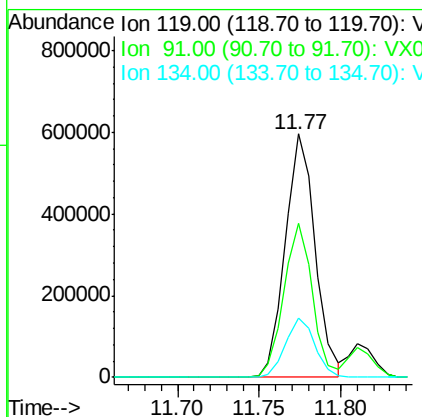
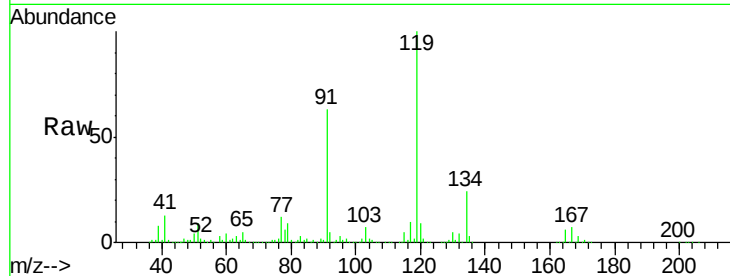
#83
tert-Butylbenzene
Concen: 49.780 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.3	90.9
134	23.9	11.7	35.1

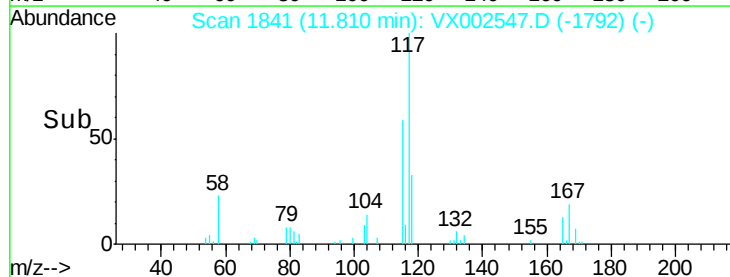
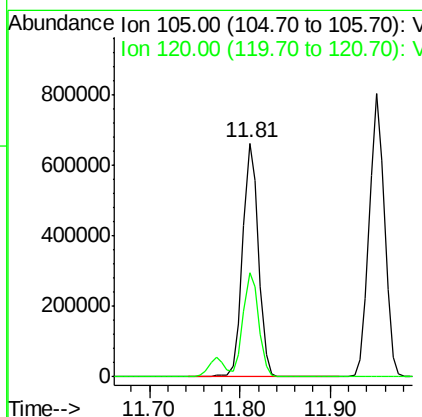
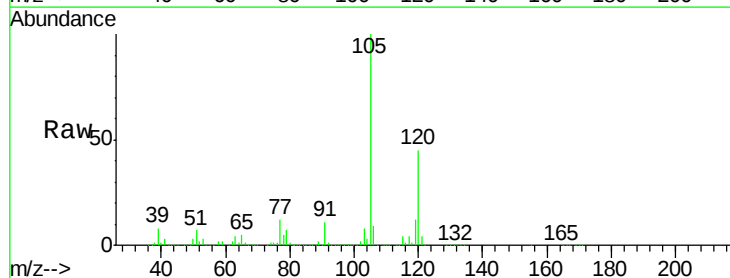
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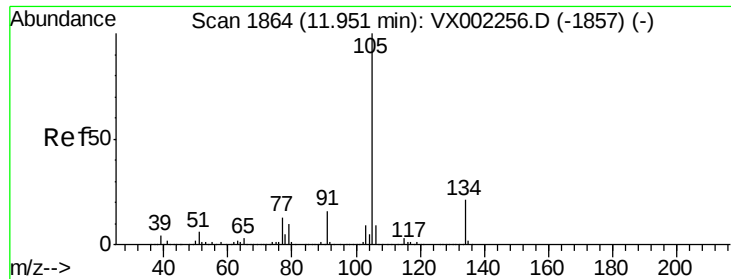
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.526 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 52.963 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 943408

Ion Ratio Lower Upper

105 100

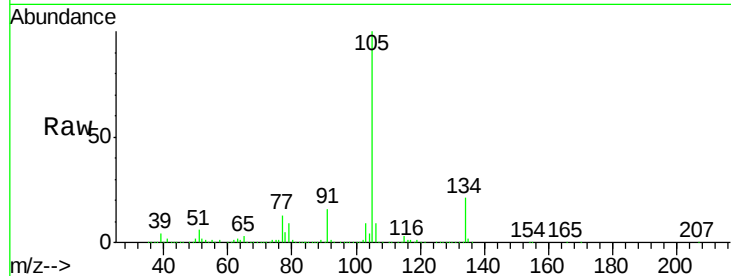
134 21.0 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

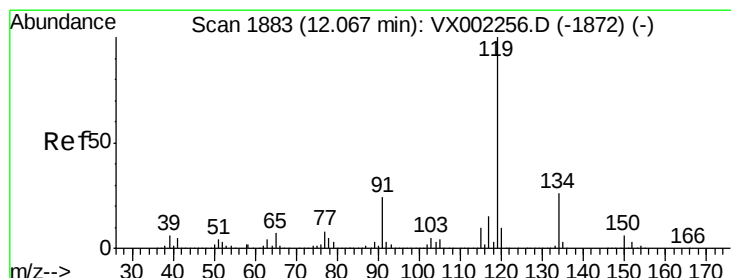
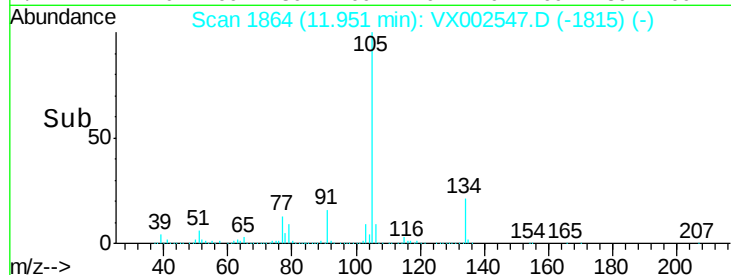
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 53.151 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

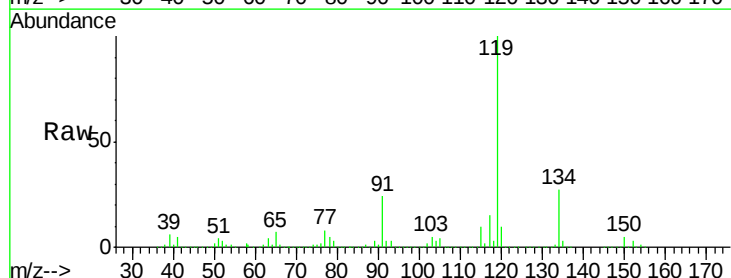
Tgt Ion:119 Resp: 862361

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.9 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

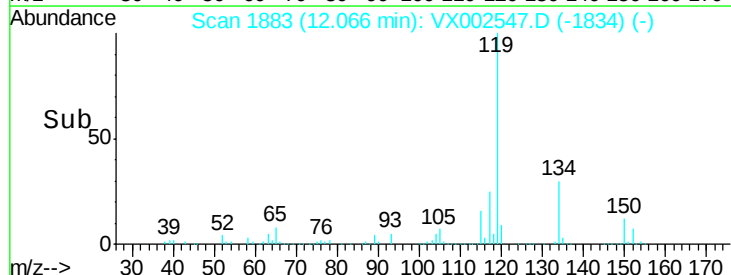
400000

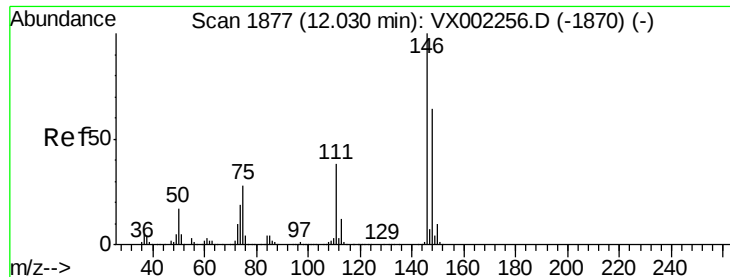
200000

0

12.00 12.10

Time-->





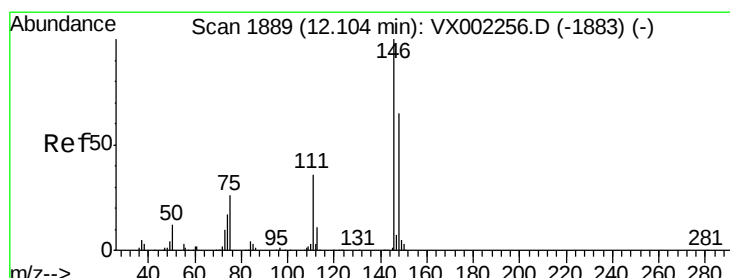
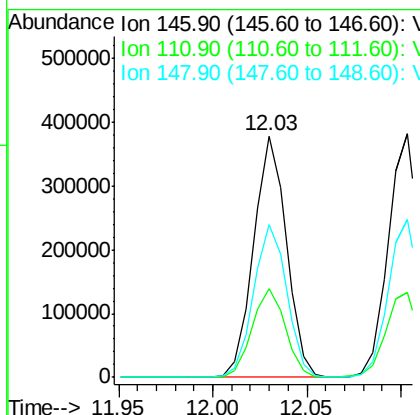
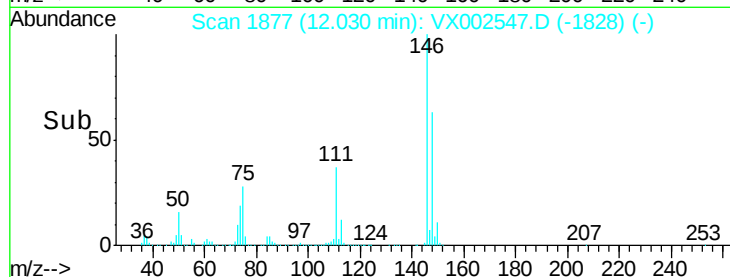
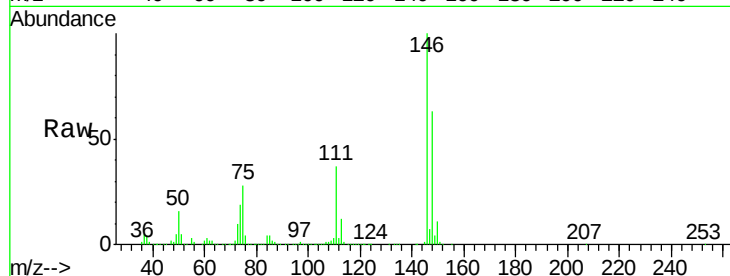
#87
 1,3-Dichlorobenzene
 Concen: 49.993 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.1	32.1	96.3

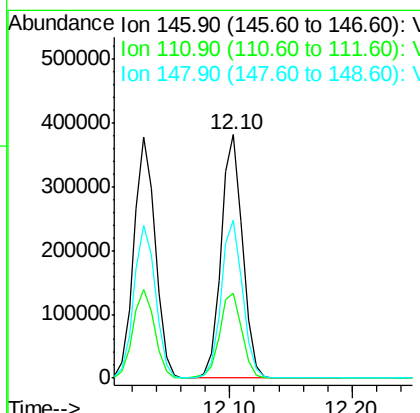
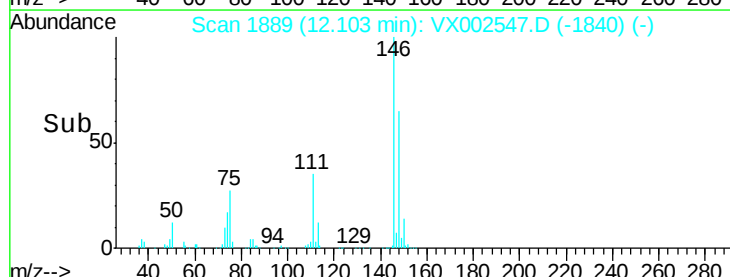
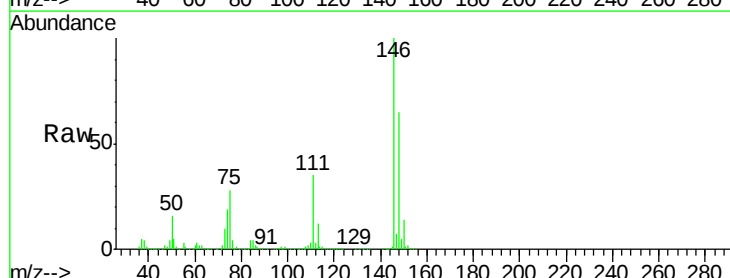
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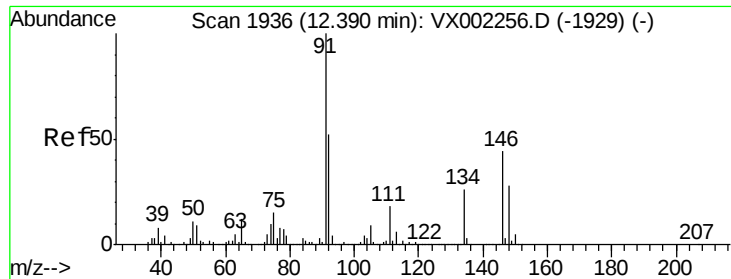
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.125 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	64.5	32.4	97.0





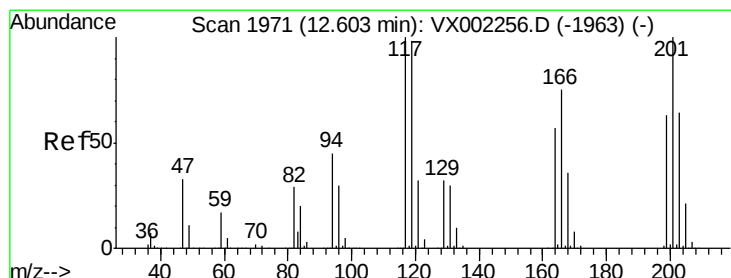
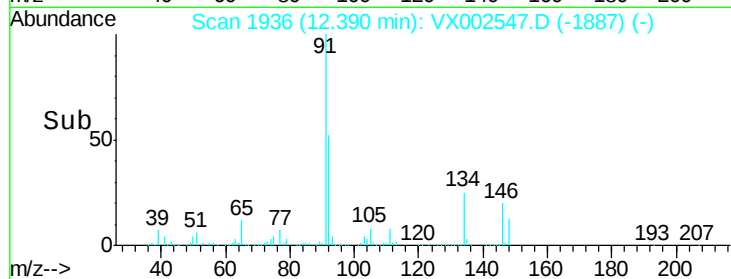
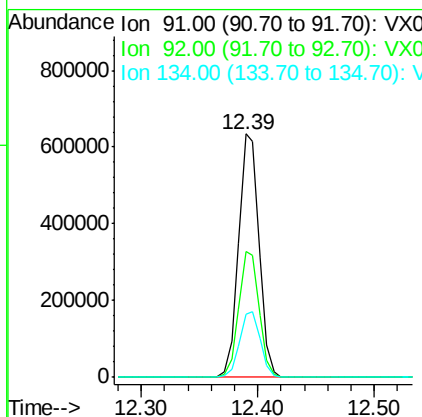
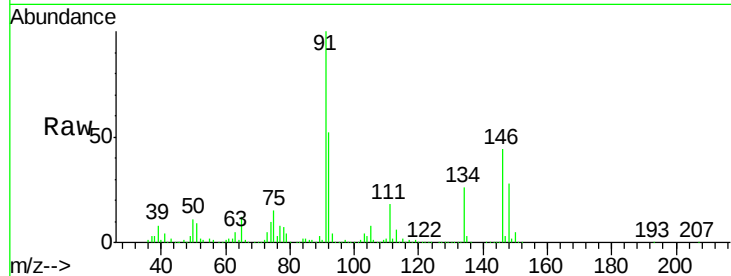
#89
n-Butylbenzene
Concen: 57.145 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.2	13.5	40.5

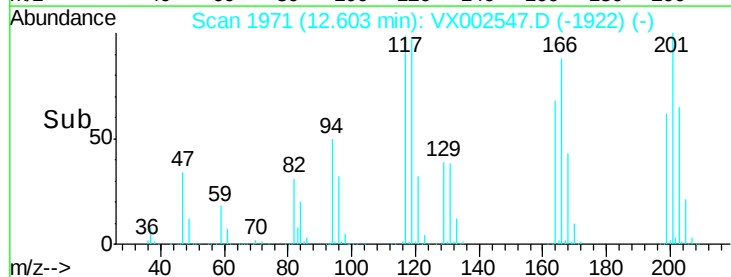
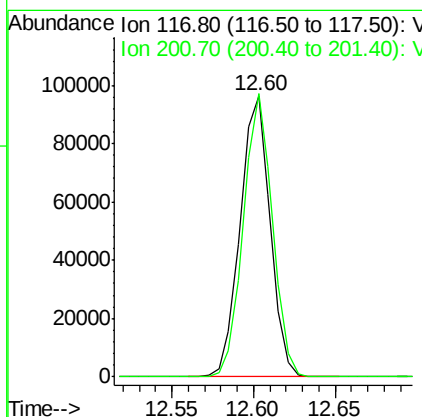
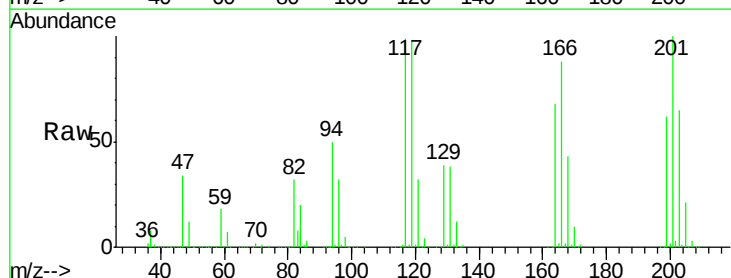
Manual Integrations
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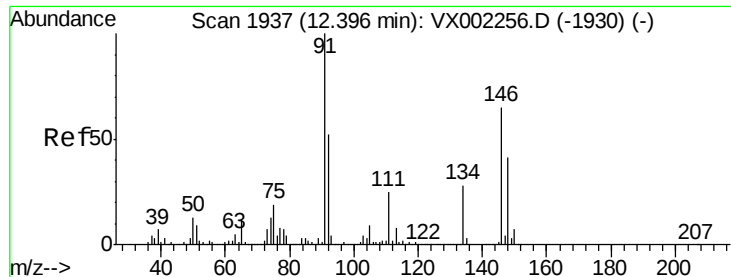
MMDadoda
6/15/2018 1:11:49 PM



#90
Hexachloroethane
Concen: 47.586 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002547.D
Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	49.0	147.0





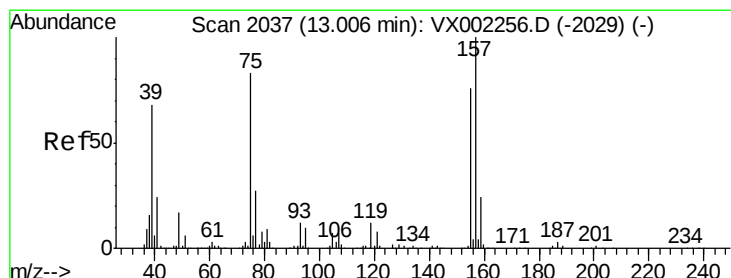
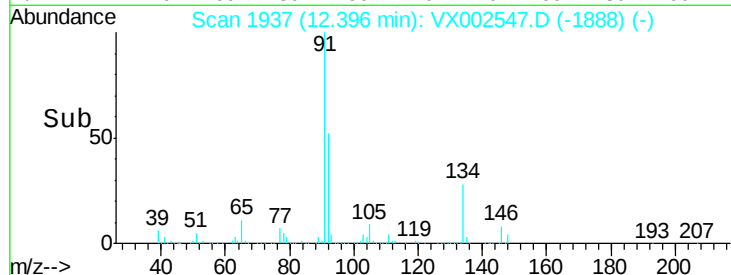
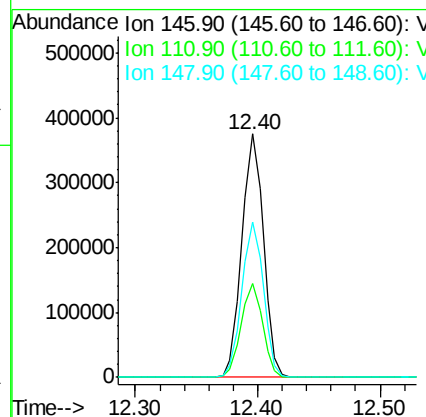
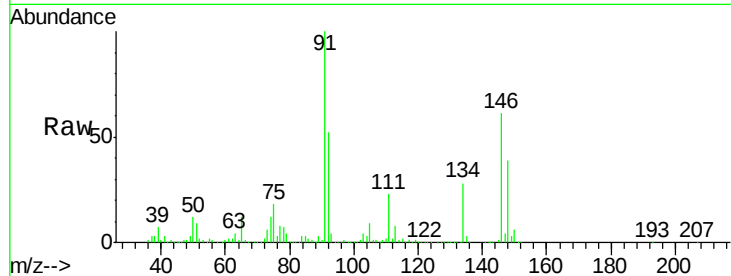
#91
 1,2-Dichlorobenzene
 Concen: 48.255 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	63.8	31.7	95.1

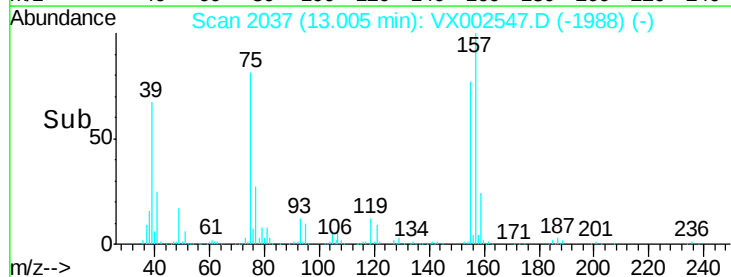
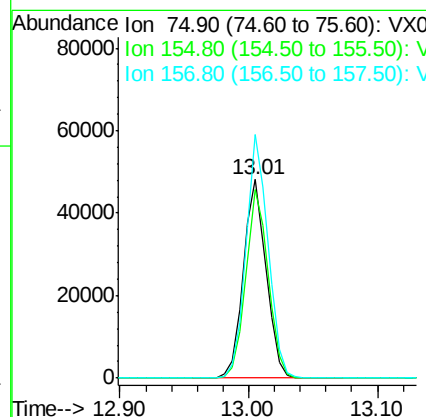
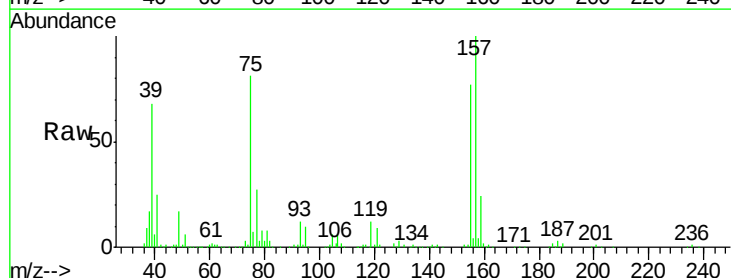
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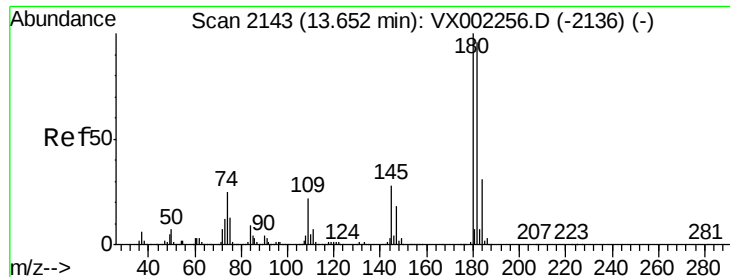
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.877 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	45.8	137.4
157	118.9	60.1	180.3





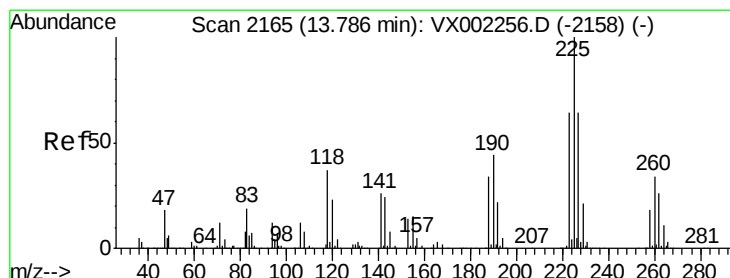
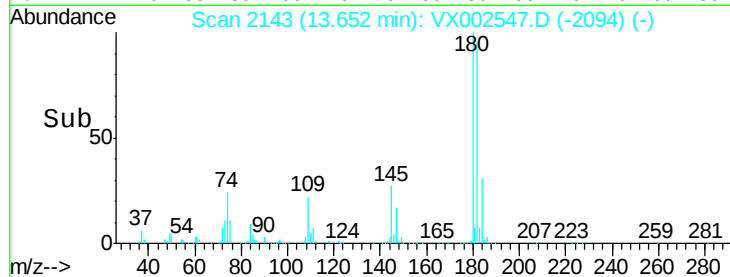
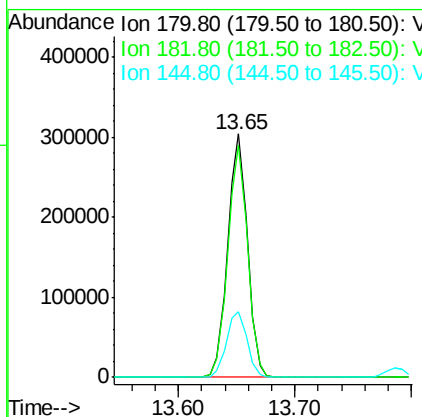
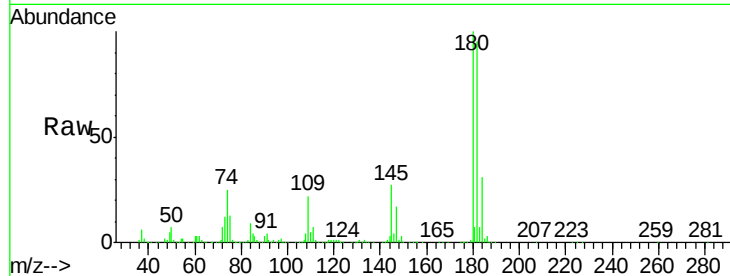
#93
 1,2,4-Trichlorobenzene
 Concen: 53.652 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	355429		
182	95.8	47.7	143.1	
145	28.2	14.1	42.4	

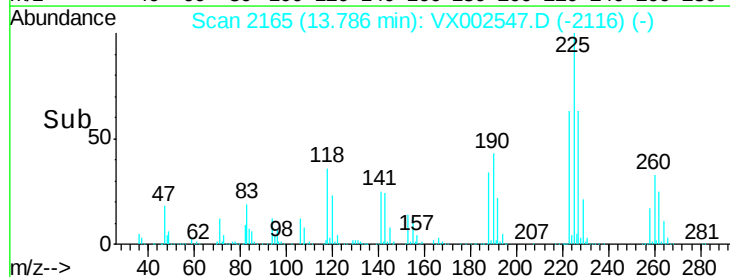
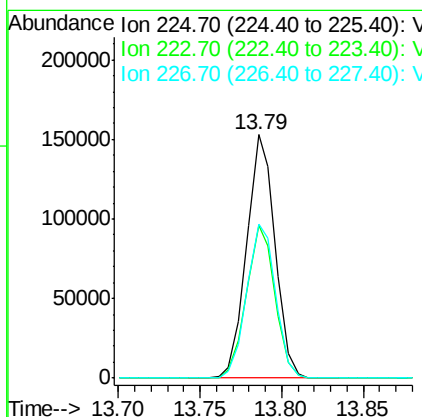
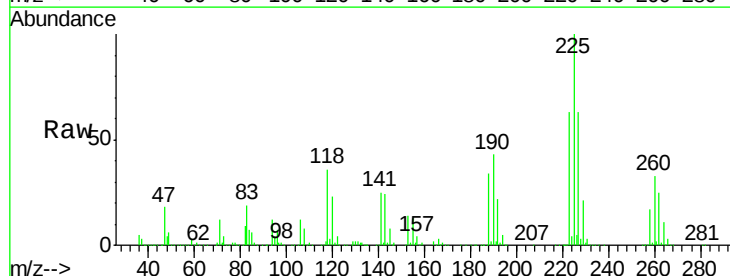
Manual Integrations
 APPROVED

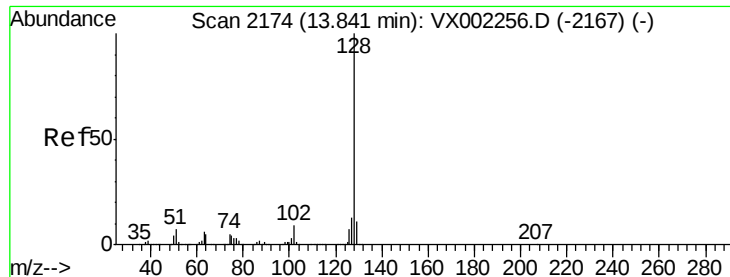
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#94
 Hexachlorobutadiene
 Concen: 56.853 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002547.D
 Acq: 14 Jun 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	186115		
223	62.7	31.6	95.0	
227	64.3	32.4	97.2	





#95

Naphthalene

Concen: 49.718 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Instrument :

MSVOA_X

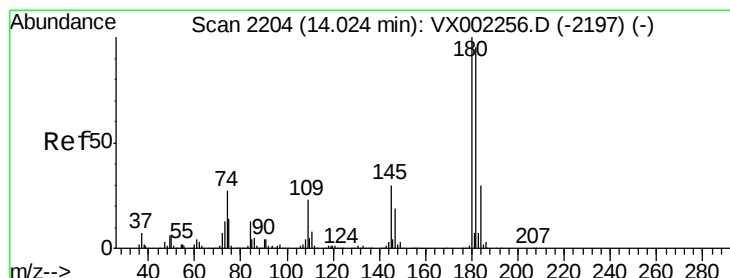
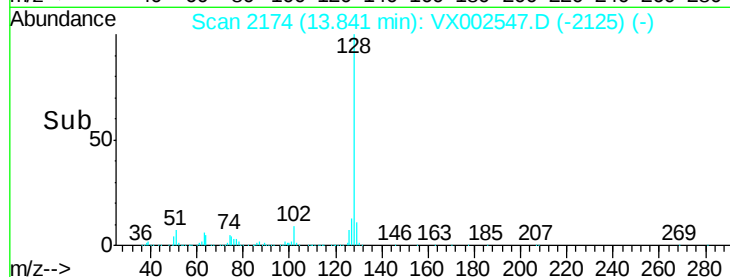
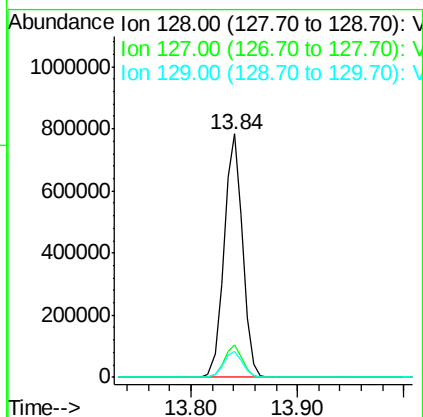
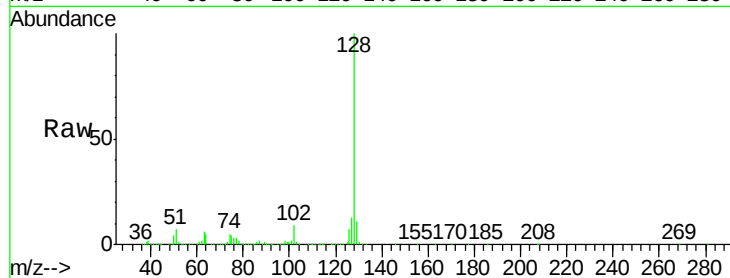
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	946345
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 52.109 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002547.D

Acq: 14 Jun 2018 10:04

Tgt Ion:	180	Resp:	352060
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	29.3	14.8	44.3

