

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002524.D
 Acq On : 13 Jun 2018 22:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:28 AM

Quant Time: Jun 14 03:43:52 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	199833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	289542	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	189730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	140532	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.51	113	111587	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.72	98	417910	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.14	95	162463	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	89330	43.002	ug/l	99
3) Chloromethane	1.32	50	106776	44.547	ug/l	99
4) Vinyl Chloride	1.41	62	120308	45.953	ug/l	97
5) Bromomethane	1.64	94	73236	49.390	ug/l	100
6) Chloroethane	1.72	64	83870	49.523	ug/l	100
7) Trichlorofluoromethane	1.93	101	215377	53.993	ug/l	99
8) Diethyl Ether	2.19	74	81171	57.627	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120749	56.094	ug/l	100
10) Methyl Iodide	2.51	142	138901	45.875	ug/l	99
11) Tert butyl alcohol	3.09	59	175964	304.792	ug/l	99
12) 1,1-Dichloroethene	2.37	96	106108	49.878	ug/l	99
13) Acrolein	2.30	56	50077	173.505	ug/l	98
14) Allyl chloride	2.73	41	219690	47.586	ug/l	99
15) Acrylonitrile	3.15	53	371850	307.994	ug/l	100
16) Acetone	2.45	43	348868	286.676	ug/l	98
17) Carbon Disulfide	2.57	76	224540	40.047	ug/l	98
18) Methyl Acetate	2.78	43	181704	64.239	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	433427	58.934	ug/l	100
20) Methylene Chloride	2.86	84	127598	56.850	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	117012	49.878	ug/l	97
22) Diisopropyl ether	3.88	45	396363	51.433	ug/l	98
23) Vinyl Acetate	3.83	43	1702761	227.515	ug/l	99
24) 1,1-Dichloroethane	3.70	63	200391	43.917	ug/l	99
25) 2-Butanone	4.71	43	466292	237.982	ug/l	99
26) 2,2-Dichloropropane	4.59	77	134461	37.698	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	119407	46.802	ug/l	92
28) Bromochloromethane	5.03	49	105389	54.636	ug/l	99
29) Tetrahydrofuran	5.17	42	306178	242.369	ug/l	99
30) Chloroform	5.22	83	216256	49.115	ug/l	98
31) Cyclohexane	5.57	56	164214	45.512	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	181030	48.480	ug/l	99
36) 1,1-Dichloropropene	5.80	75	148462	48.773	ug/l	99
37) Ethyl Acetate	4.87	43	184603	50.429	ug/l	100
38) Carbon Tetrachloride	5.79	117	157453	49.445	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	168280	44.776	ug/l	98
40) Benzene	6.15	78	450798	48.301	ug/l	99
41) Methacrylonitrile	5.07	41	104611	49.921	ug/l	99
42) 1,2-Dichloroethane	6.20	62	183744	49.552	ug/l	100
43) Isopropyl Acetate	6.47	43	302788	48.698	ug/l	100
44) Trichloroethene	7.22	130	128365	49.556	ug/l	97
45) 1,2-Dichloropropane	7.52	63	122454	48.600	ug/l	98
46) Dibromomethane	7.67	93	83996	49.176	ug/l	98
47) Bromodichloromethane	7.90	83	156730	50.735	ug/l	99
48) Methyl methacrylate	7.78	41	155870	49.907	ug/l	98
49) 1,4-Dioxane	7.76	88	61389	1051.252	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1027313	265.318	ug/l	100
52) Toluene	8.79	92	296999	50.033	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	179625	48.487	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	167172	47.830	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	126462	51.798	ug/l	98
56) Ethyl methacrylate	9.18	69	197750	50.733	ug/l	99
57) 1,3-Dichloropropane	9.38	76	208186	50.829	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	466529	258.600	ug/l	99
59) 2-Hexanone	9.50	43	786833	263.088	ug/l	99
60) Dibromochloromethane	9.59	129	130236	53.034	ug/l	100
61) 1,2-Dibromoethane	9.68	107	133353	52.385	ug/l	99
64) Tetrachloroethene	9.34	164	141945	47.848	ug/l	96
65) Chlorobenzene	10.14	112	348502	48.691	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	128463	49.568	ug/l	99
67) Ethyl Benzene	10.26	91	597374	49.872	ug/l	99
68) m/p-Xylenes	10.37	106	463482	99.541	ug/l	100
69) o-Xylene	10.70	106	228577	49.330	ug/l	100
70) Styrene	10.72	104	392165	51.771	ug/l	99
71) Bromoform	10.86	173	100407	43.726	ug/l #	98
73) Isopropylbenzene	11.02	105	624392	47.308	ug/l	100
74) N-amyl acetate	6.47	43	302788	42.576	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	195923	47.198	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	192201m	46.167	ug/l	
77) Bromobenzene	11.26	156	171544	46.296	ug/l	99
78) n-propylbenzene	11.37	91	715208	48.754	ug/l	100
79) 2-Chlorotoluene	11.43	91	425198	45.903	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	542332	47.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	48045	40.453	ug/l	94
82) 4-Chlorotoluene	11.51	91	508646	47.573	ug/l	99
83) tert-Butylbenzene	11.77	119	524810	47.607	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	552686	47.427	ug/l	100
85) sec-Butylbenzene	11.95	105	646645	50.036	ug/l	100
86) p-Isopropyltoluene	12.07	119	584637	49.665	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	319303	48.195	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	327174	47.910	ug/l	99
89) n-Butylbenzene	12.39	91	510087	51.666	ug/l	100
90) Hexachloroethane	12.60	117	85679	45.595	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	328783	47.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44295	48.795	ug/l	99

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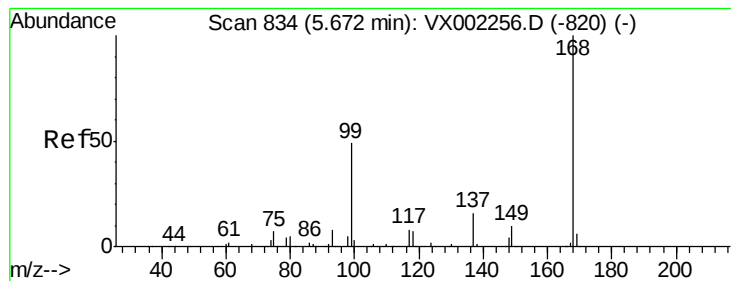
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	238521	49.625	ug/l	100
94) Hexachlorobutadiene	13.79	225	125649	52.901	ug/l	99
95) Naphthalene	13.84	128	684464	49.563	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	246331	50.252	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199833

Ion Ratio Lower Upper

168 100

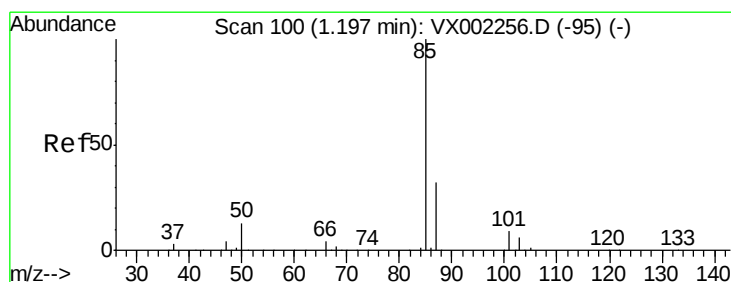
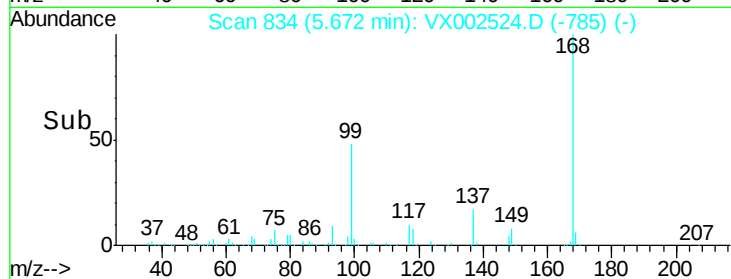
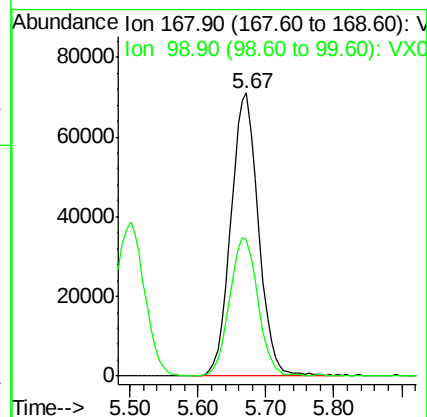
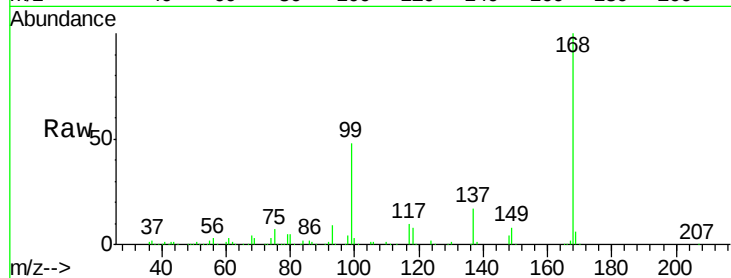
99 48.2 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.002 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002524.D

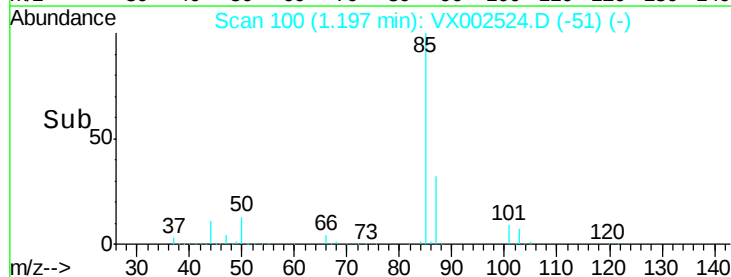
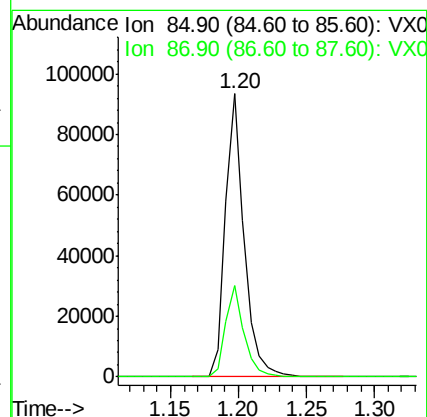
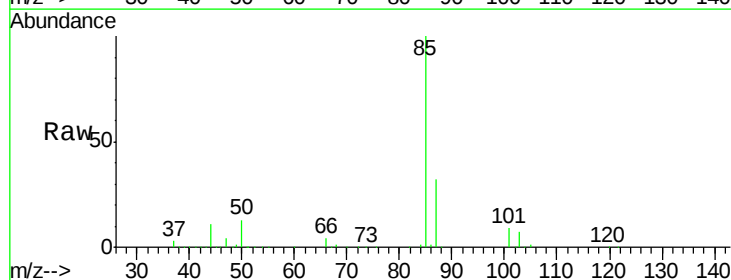
Acq: 13 Jun 2018 22:41

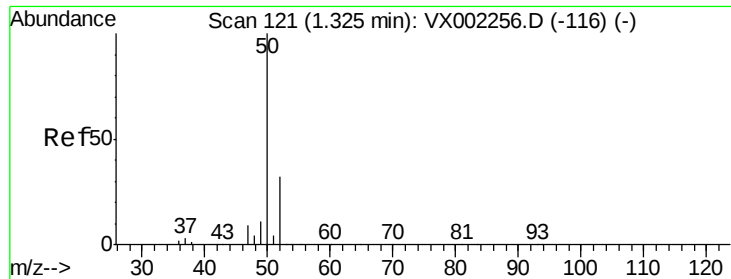
Tgt Ion: 85 Resp: 89330

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9





#3

Chloromethane

Concen: 44.547 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106776

Ion Ratio Lower Upper

50 100

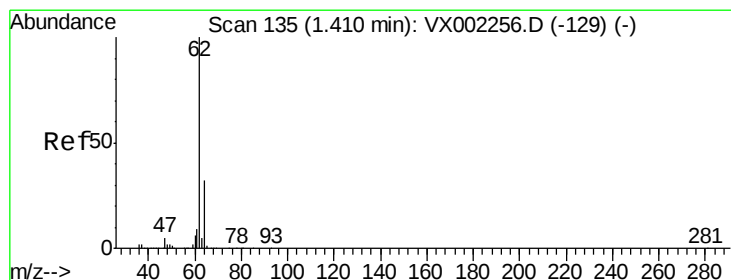
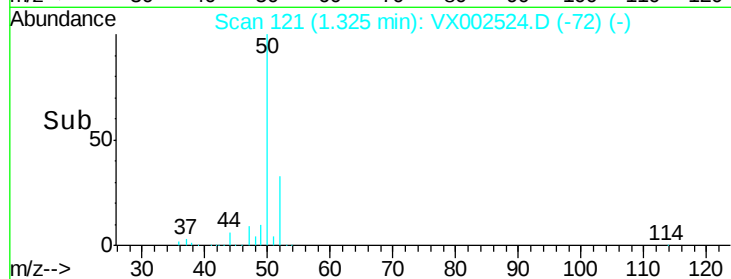
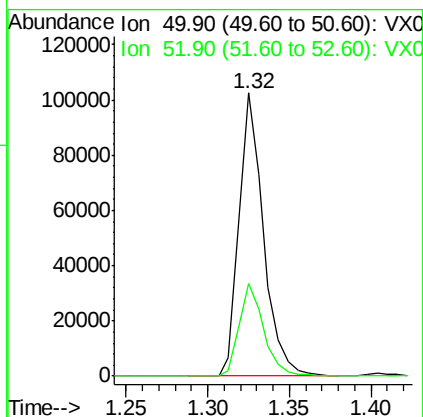
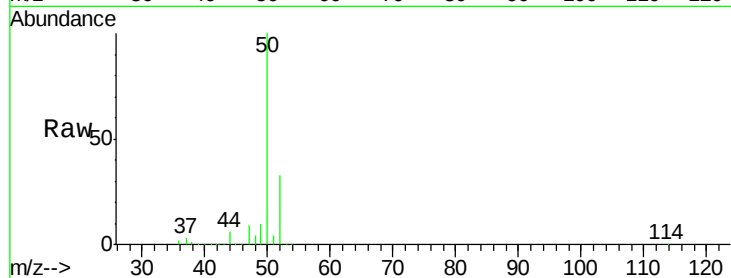
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.953 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002524.D

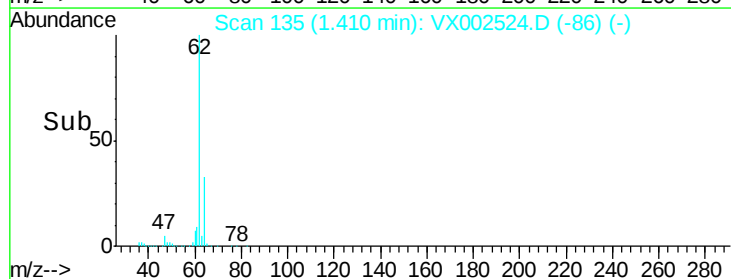
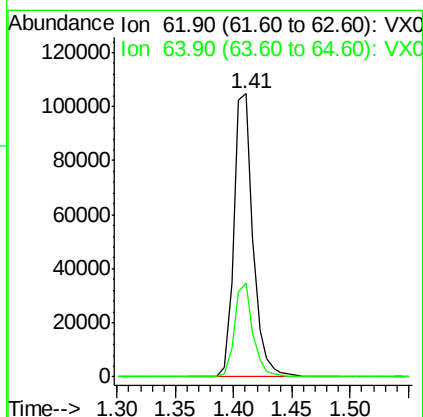
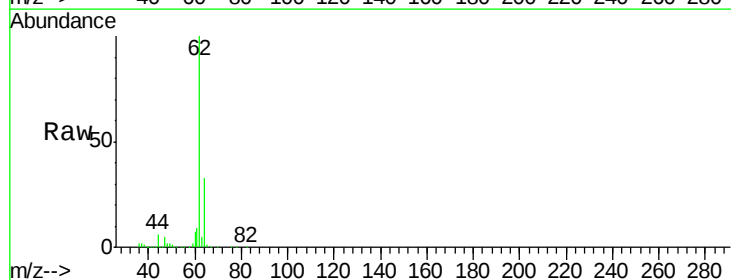
Acq: 13 Jun 2018 22:41

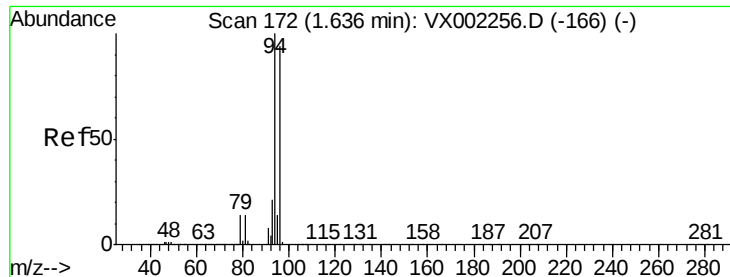
Tgt Ion: 62 Resp: 120308

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 49.390 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73236

Ion Ratio Lower Upper

94 100

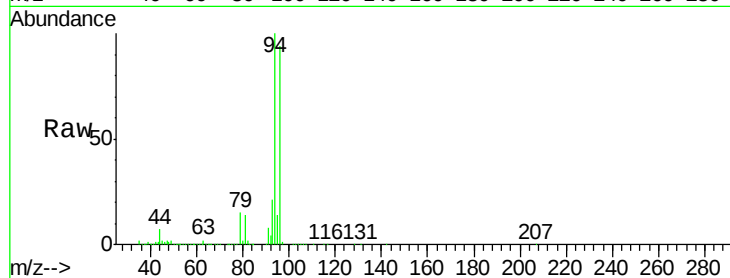
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Manual Integrations

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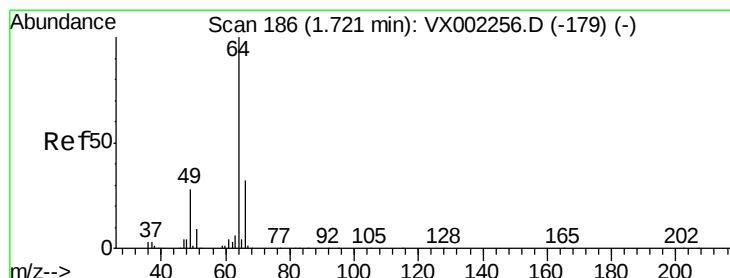
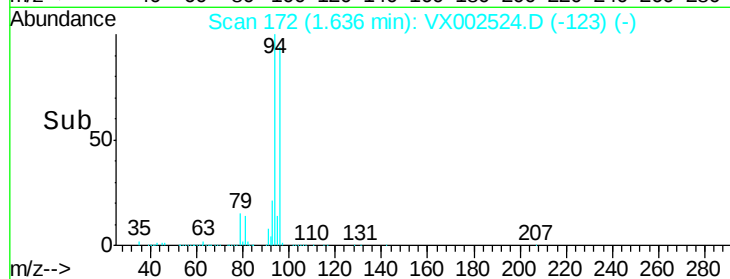
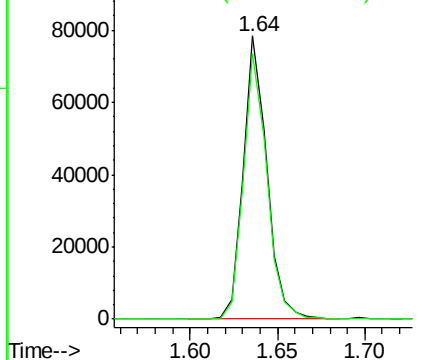
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.523 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002524.D

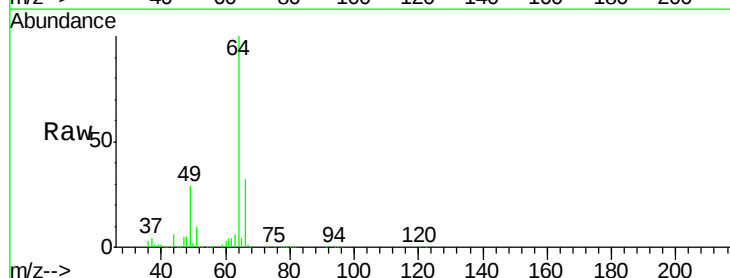
Acq: 13 Jun 2018 22:41

Tgt Ion: 64 Resp: 83870

Ion Ratio Lower Upper

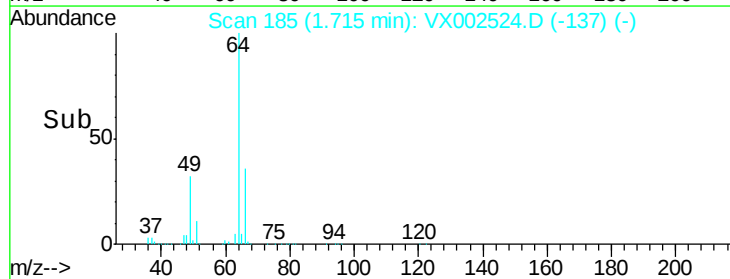
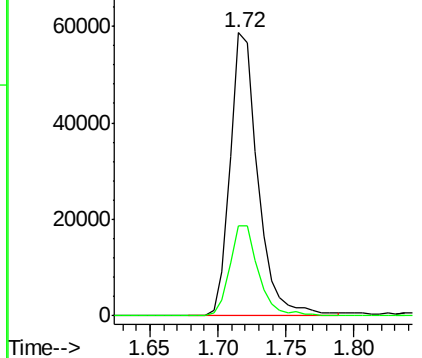
64 100

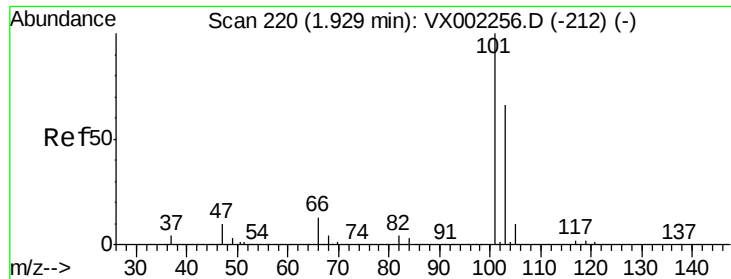
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

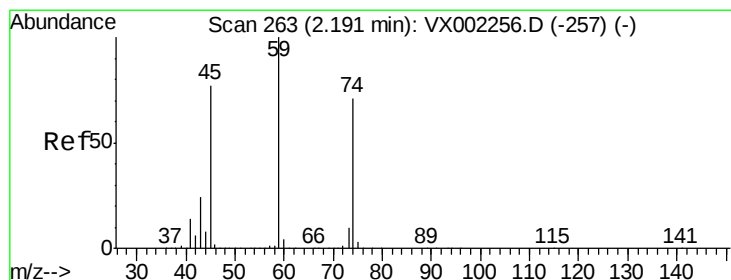
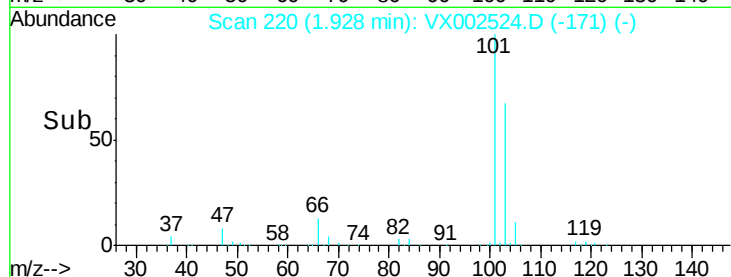
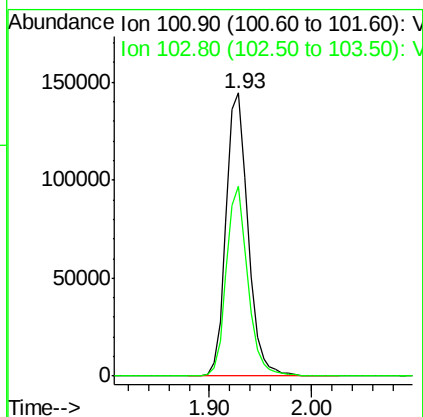
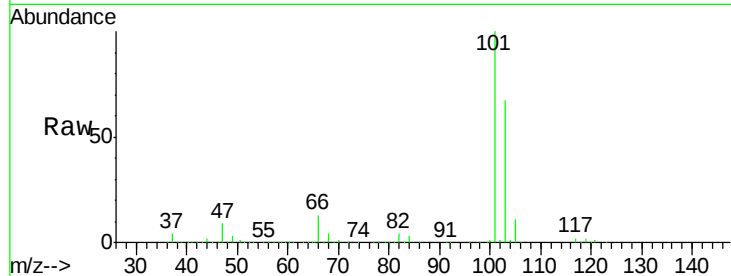
Trichlorofluoromethane
Concen: 53.993 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.8	79.2

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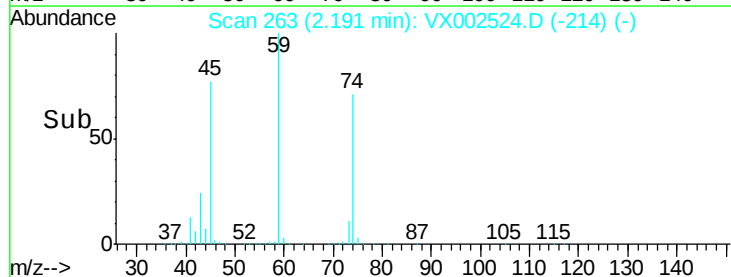
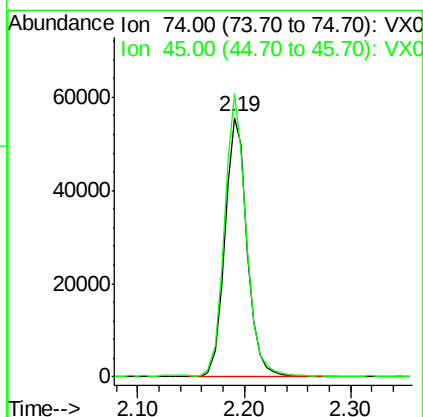
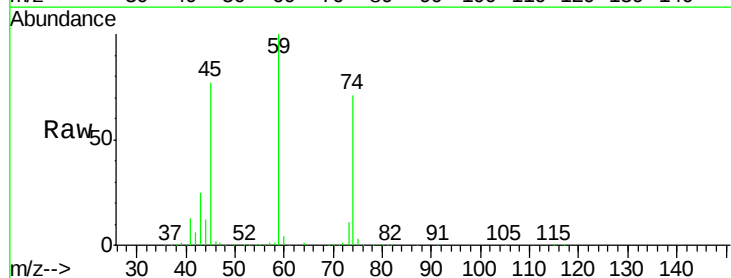
MMDadoda
6/14/2018 11:29:28 AM

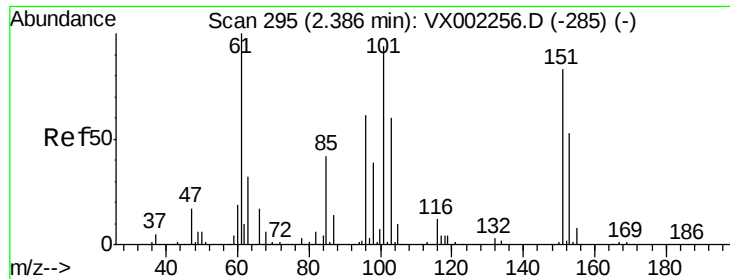


#8

Diethyl Ether
Concen: 57.627 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.094 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

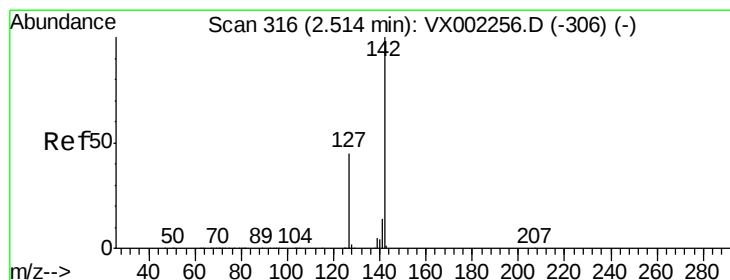
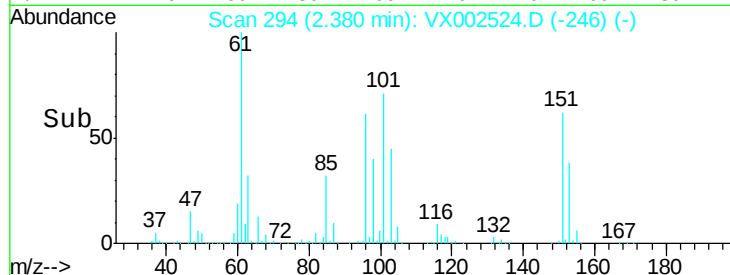
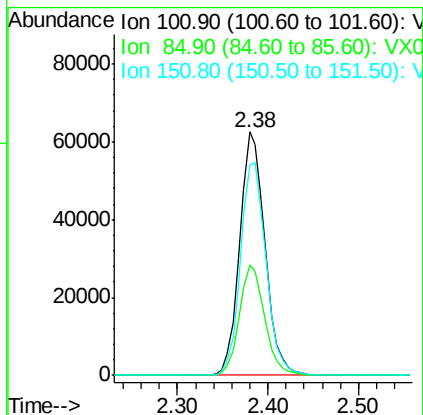
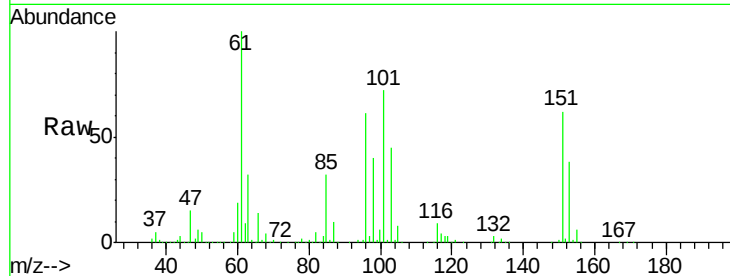
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120749
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	88.6	70.9	106.3

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#10

Methyl Iodide

Concen: 45.875 ug/l

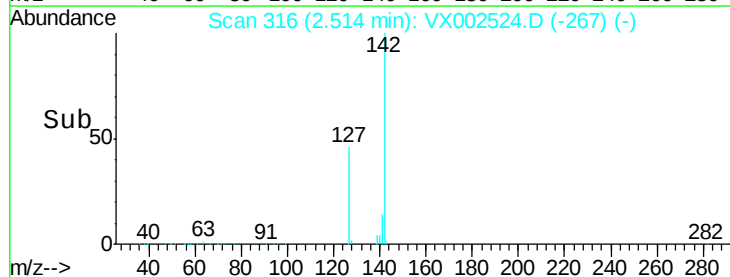
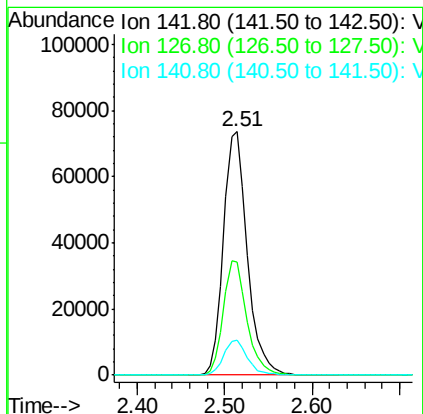
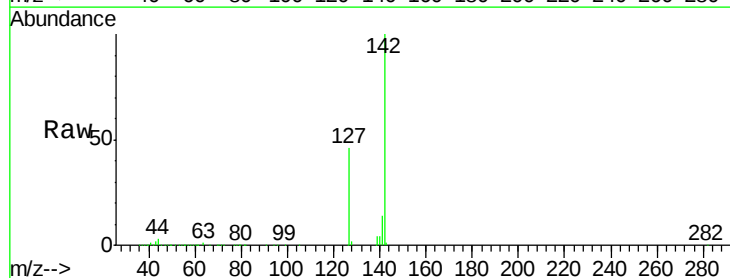
RT: 2.51 min Scan# 316

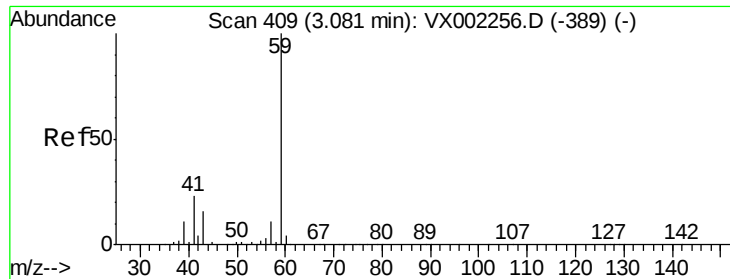
Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	142	Resp:	138901
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.6	55.0
141	14.3	11.3	16.9





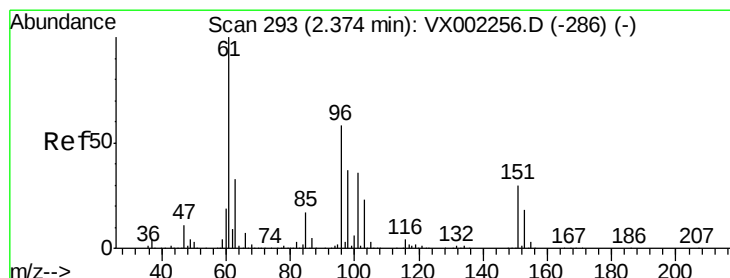
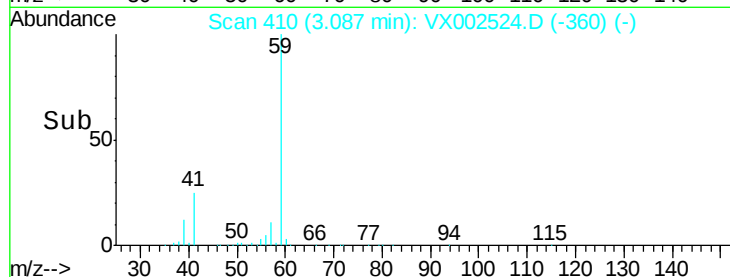
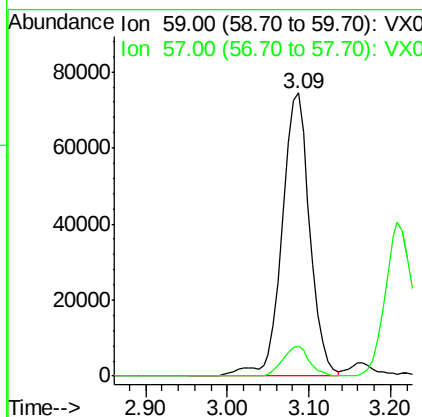
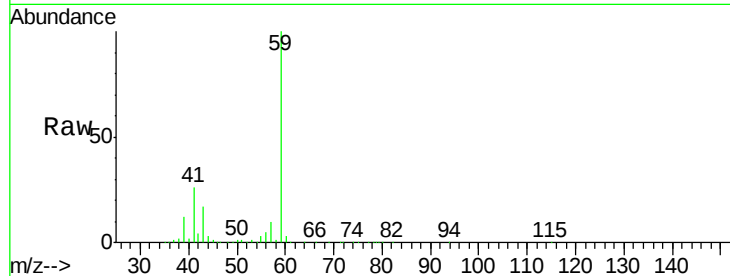
#11
Tert butyl alcohol
Concen: 304.792 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

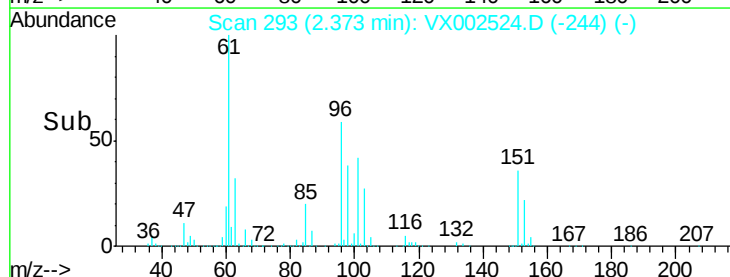
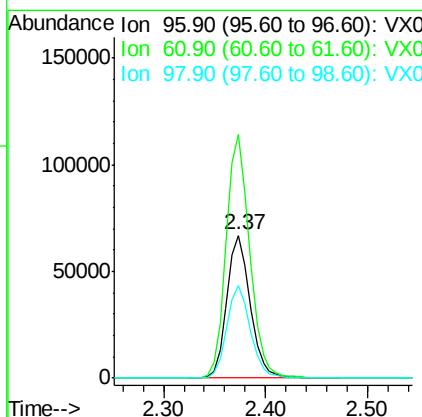
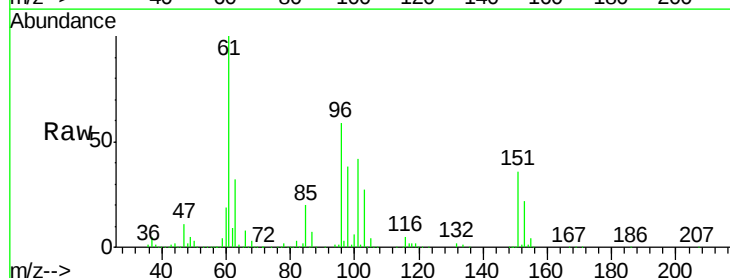
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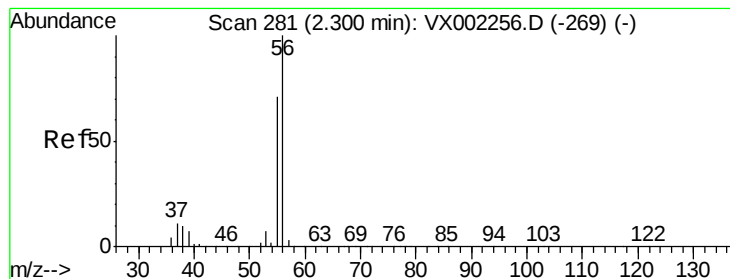
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#12
1,1-Dichloroethene
Concen: 49.878 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	137.9	206.9
98	65.4	51.6	77.4





#13

Acrolein

Concen: 173.505 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50077

Ion Ratio Lower Upper

56 100

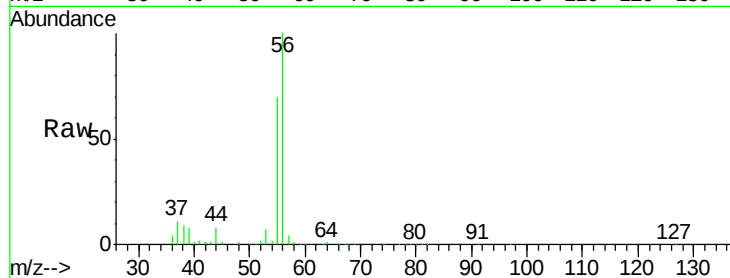
55 72.8 57.0 85.4

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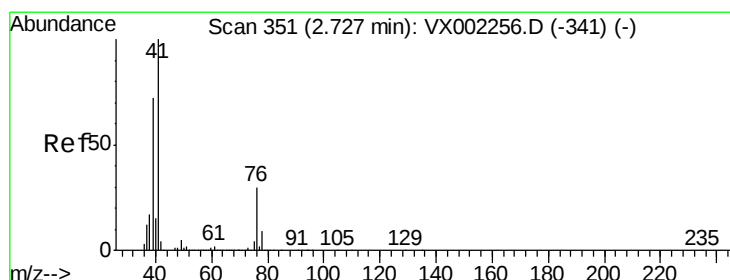
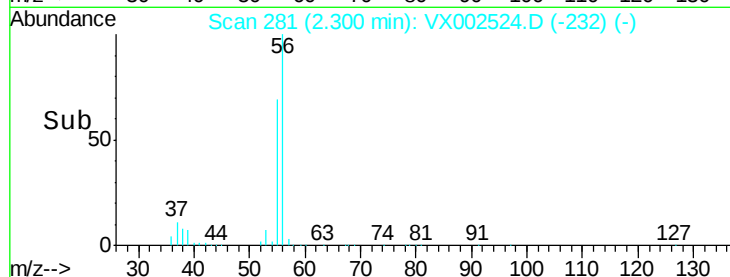
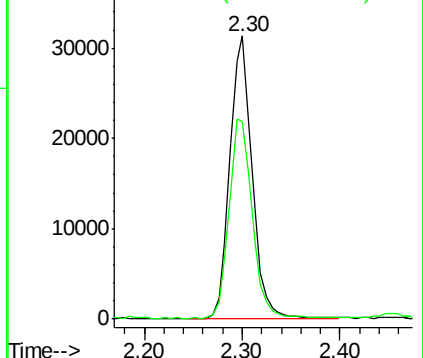
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.586 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

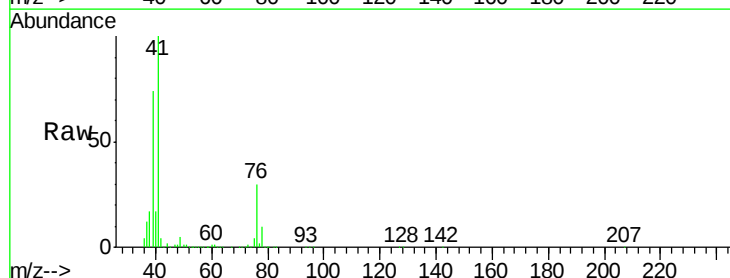
Tgt Ion: 41 Resp: 219690

Ion Ratio Lower Upper

41 100

39 72.4 56.8 85.2

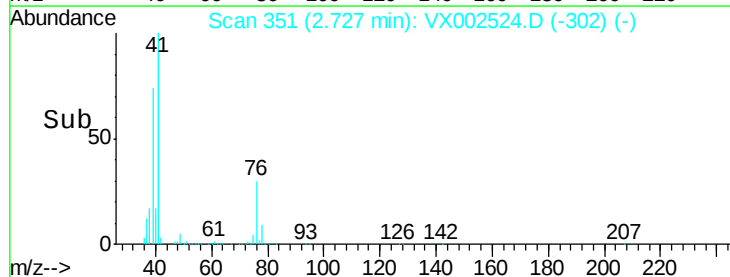
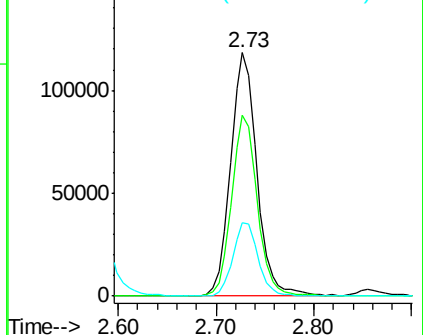
76 29.3 23.8 35.8

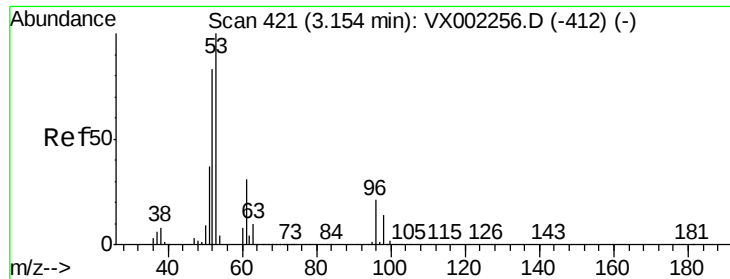


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 307.994 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

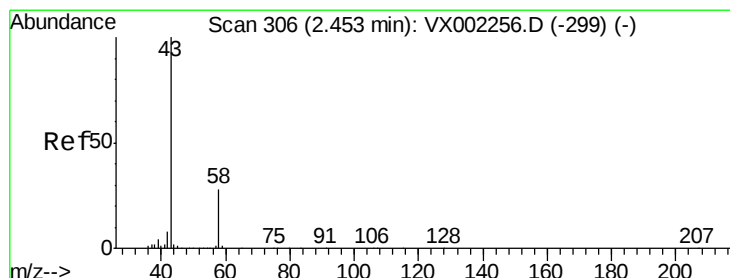
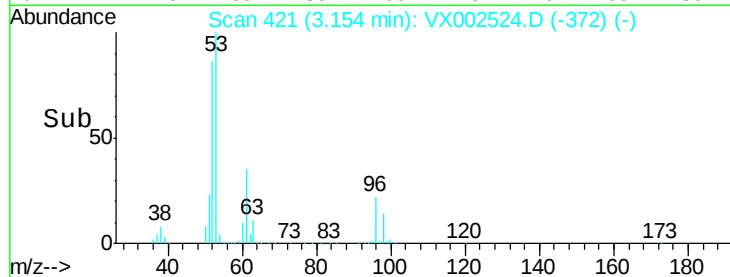
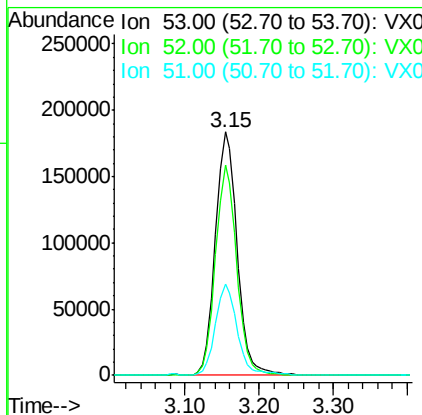
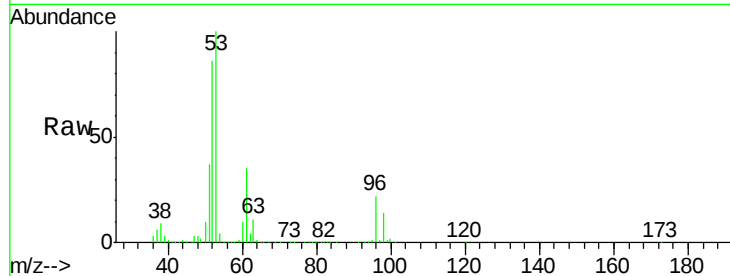
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	371850
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 286.676 ug/l

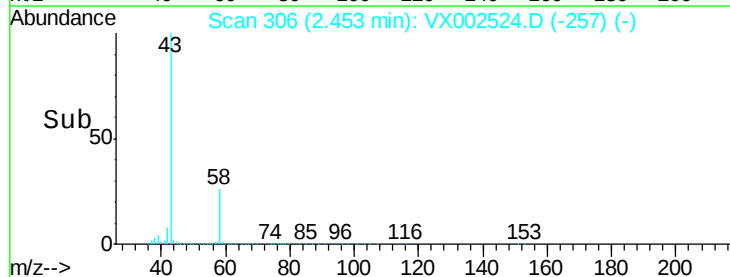
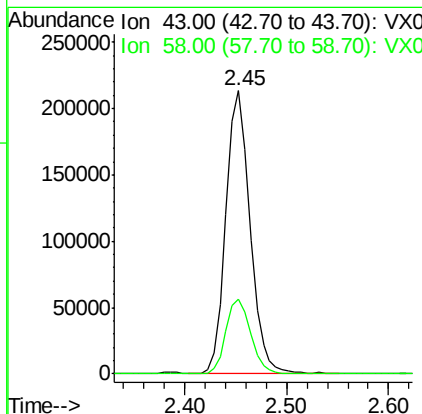
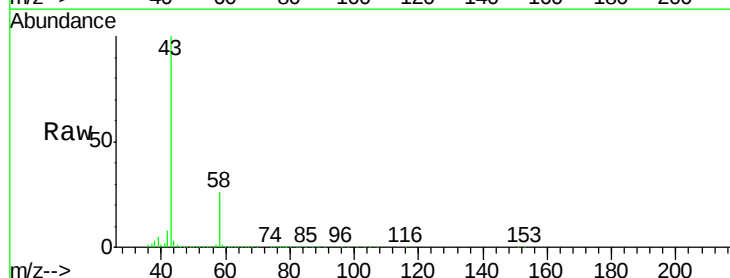
RT: 2.45 min Scan# 306

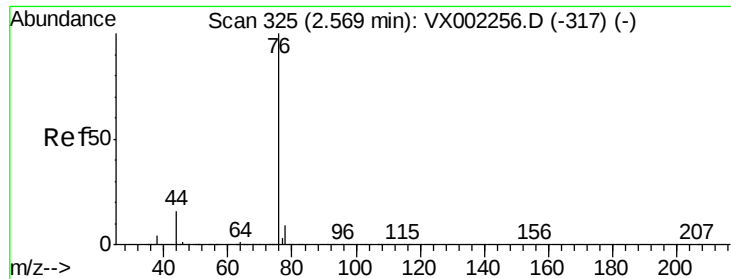
Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	43	Resp:	348868
Ion Ratio	Lower	Upper	
43	100		
58	26.3	22.1	33.1





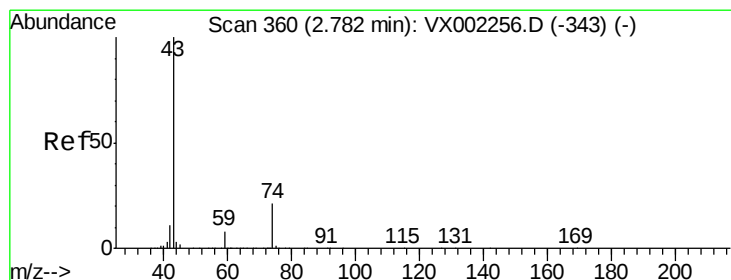
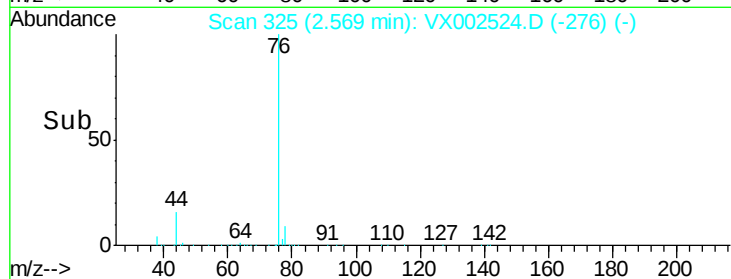
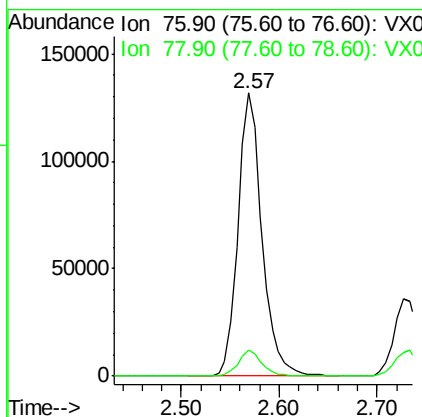
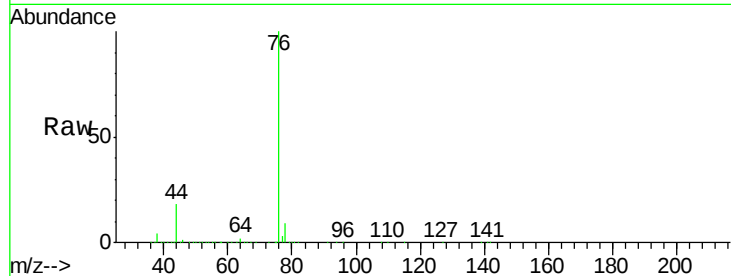
#17
Carbon Disulfide
Concen: 40.047 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

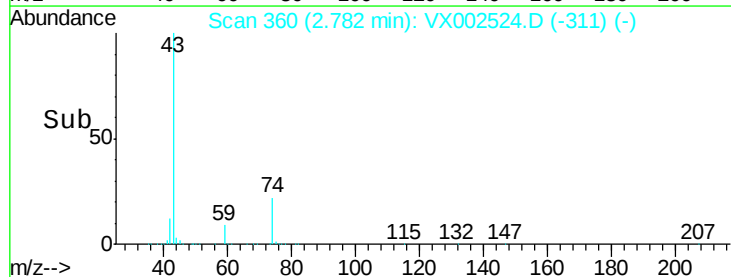
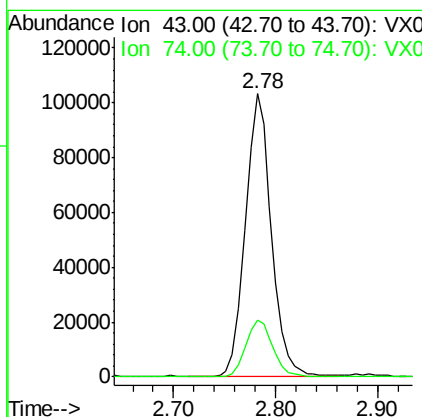
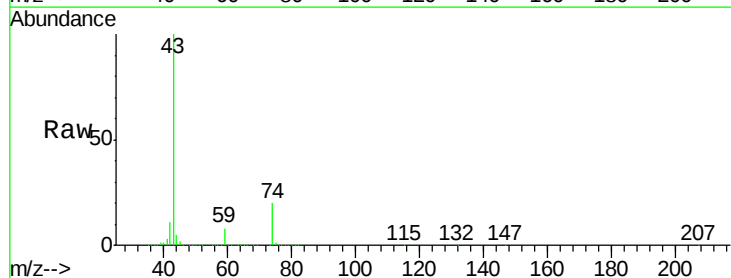
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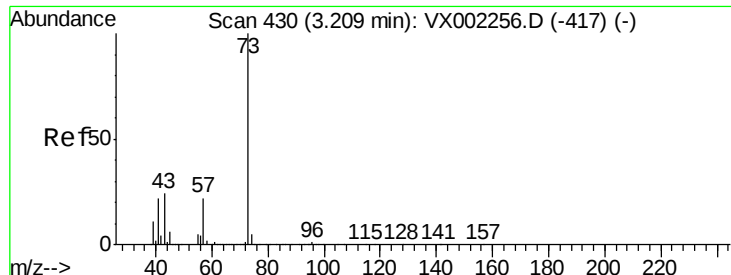
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#18
Methyl Acetate
Concen: 64.239 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1





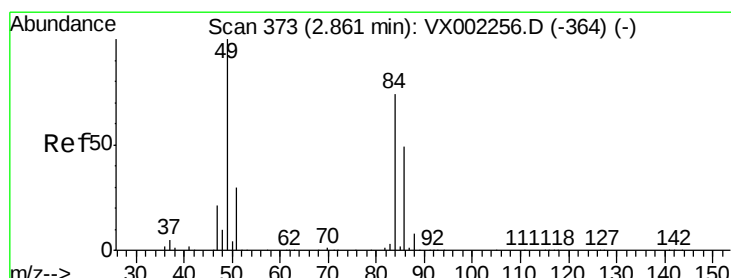
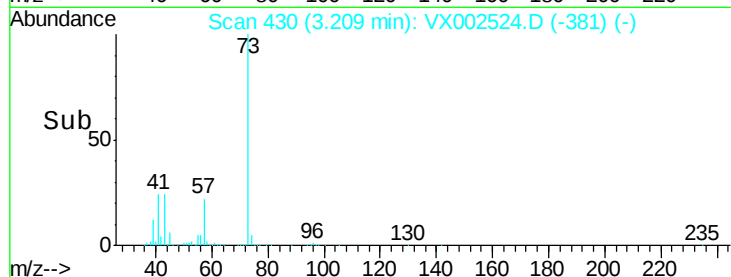
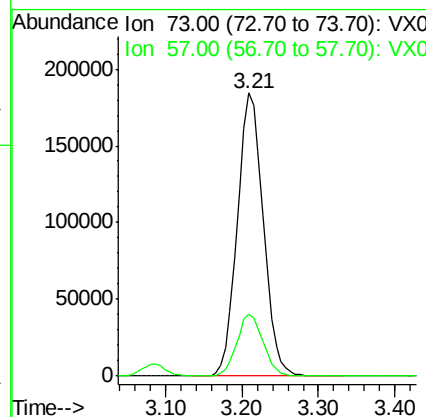
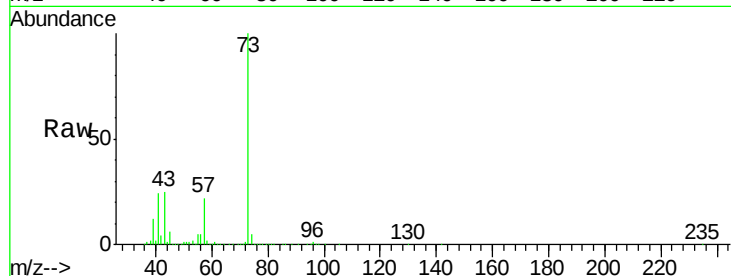
#19
Methyl tert-butyl Ether
Concen: 58.934 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

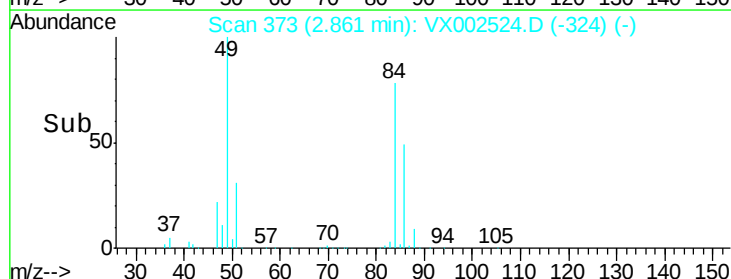
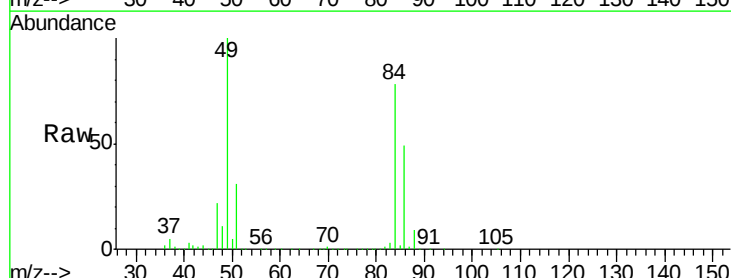
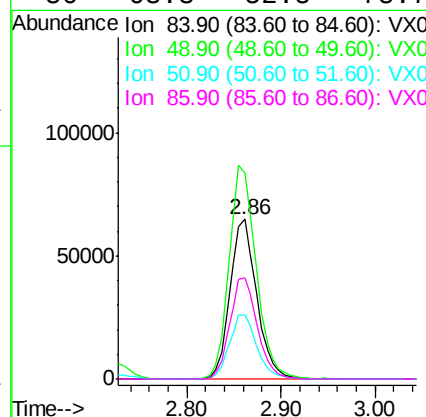
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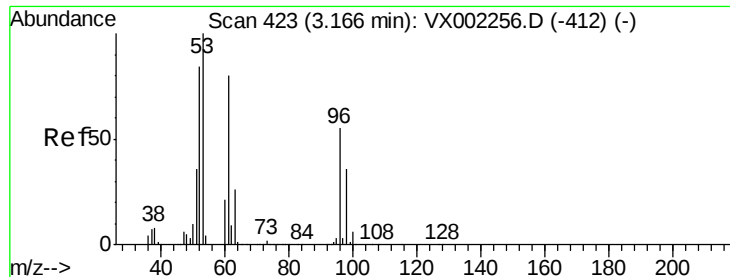
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#20
Methylene Chloride
Concen: 56.850 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.8	107.8	161.6
51	40.1	32.8	49.2
86	63.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 49.878 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

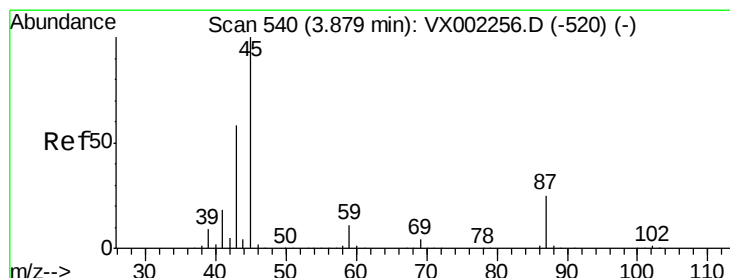
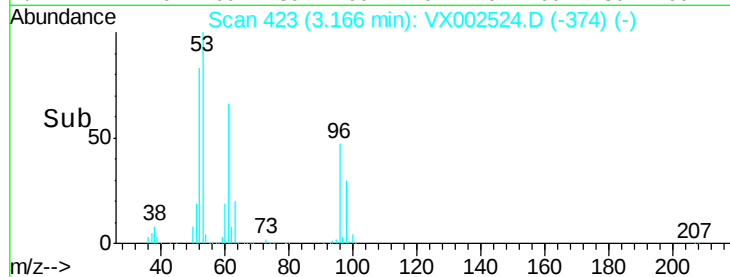
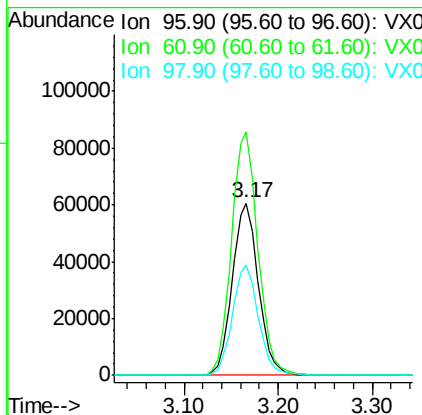
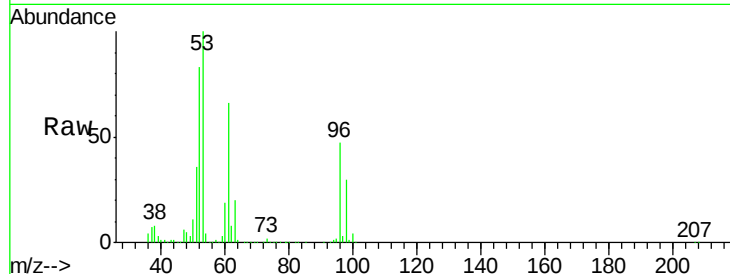
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	117012
Ion	Ratio	Lower	Upper
96	100		
61	141.2	117.0	175.4
98	64.4	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.433 ug/l

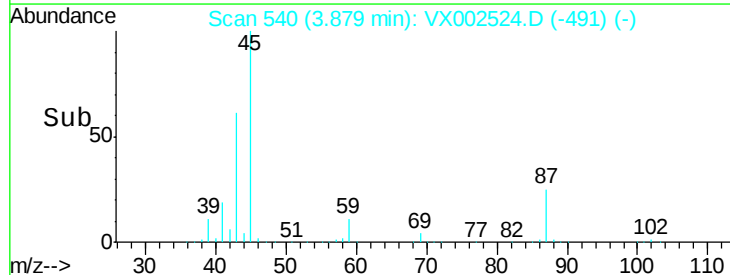
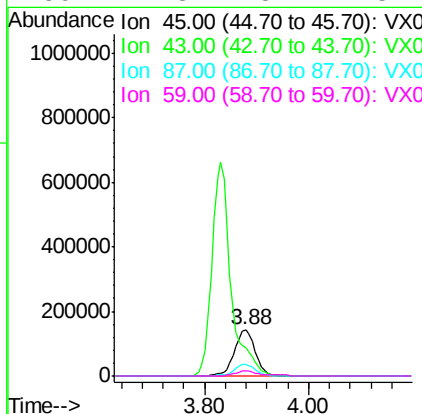
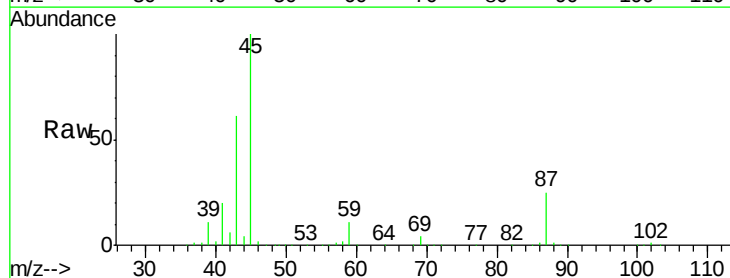
RT: 3.88 min Scan# 540

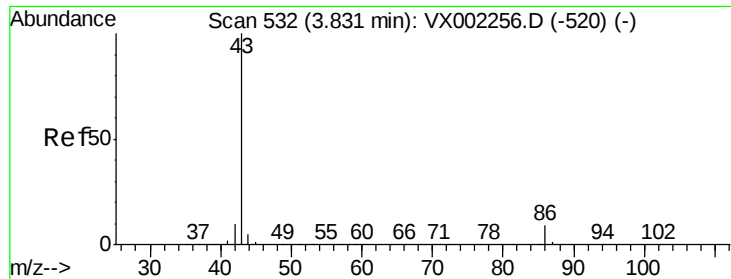
Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	45	Resp:	396363
Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.8	70.2
87	25.3	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 227.515 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1702761

Ion Ratio Lower Upper

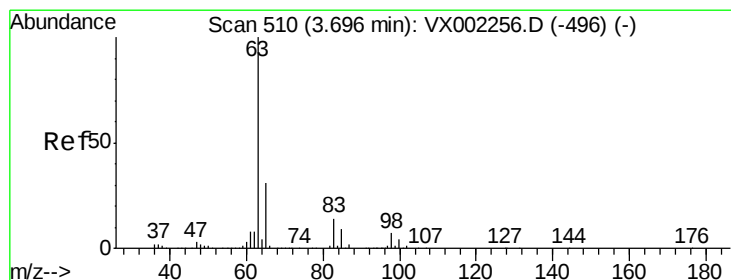
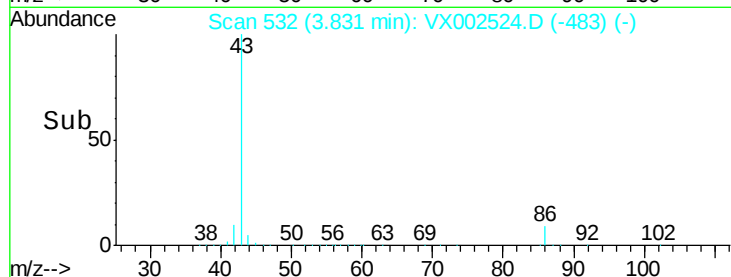
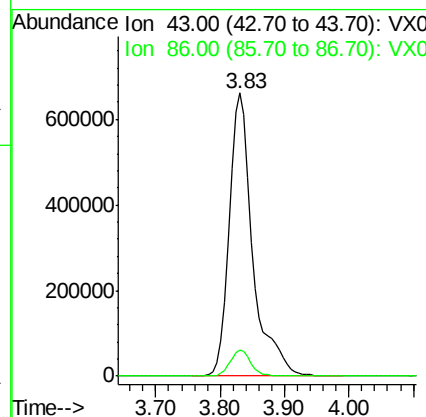
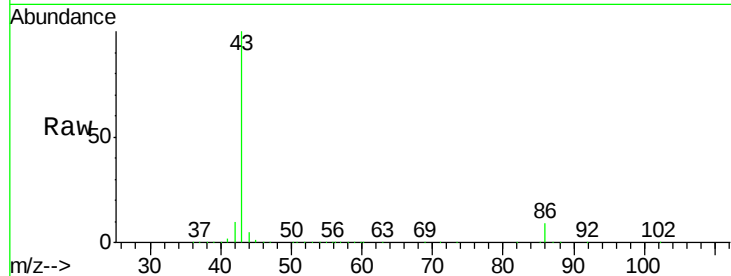
43 100

86 9.0 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 43.917 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

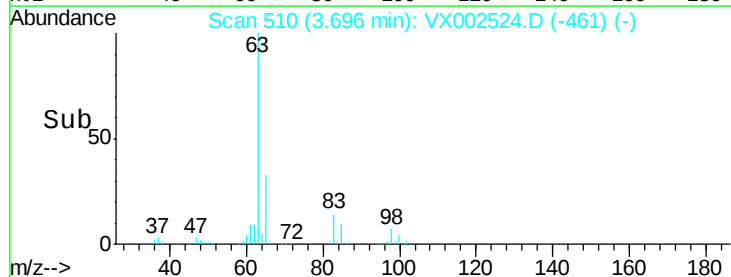
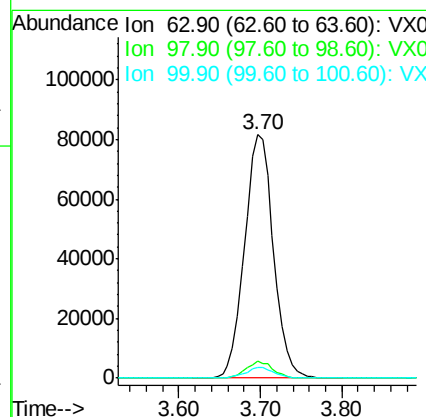
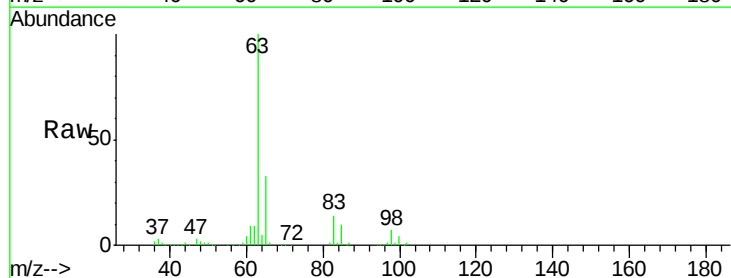
Tgt Ion: 63 Resp: 200391

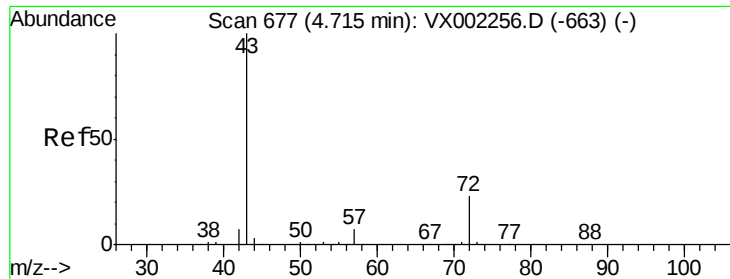
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 237.982 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 466292

Ion Ratio Lower Upper

43 100

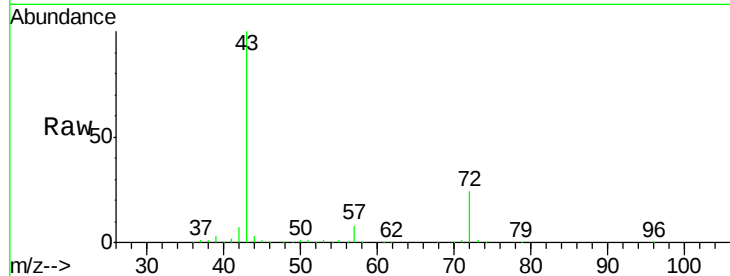
72 23.7 18.5 27.7

Manual Integrations

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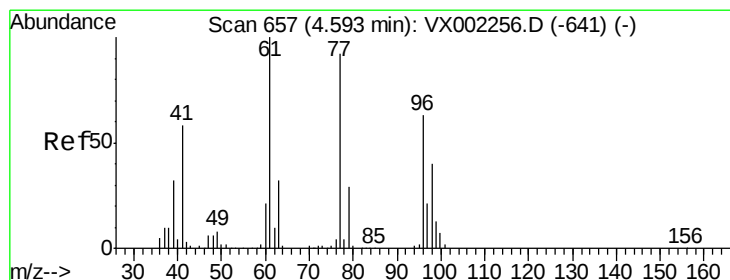
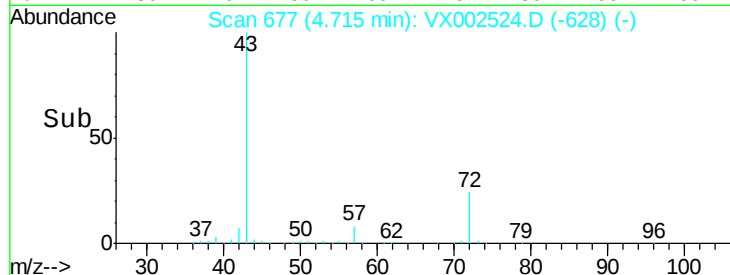
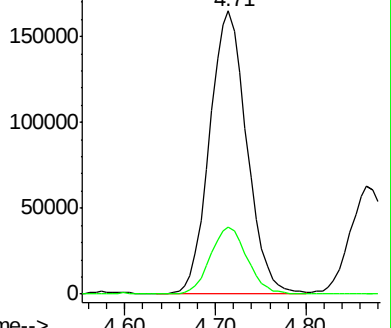
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 37.698 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002524.D

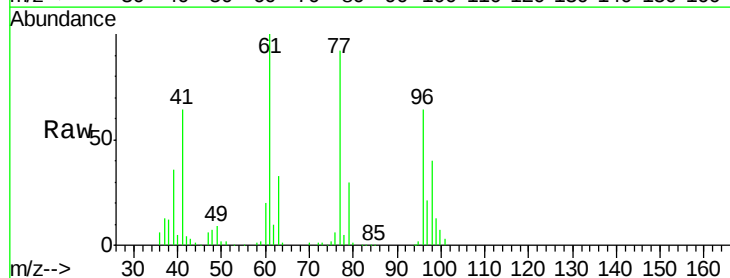
Acq: 13 Jun 2018 22:41

Tgt Ion: 77 Resp: 134461

Ion Ratio Lower Upper

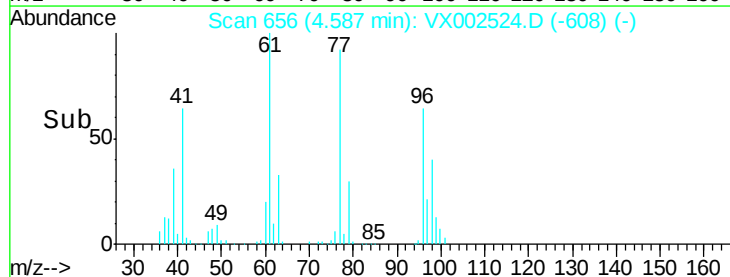
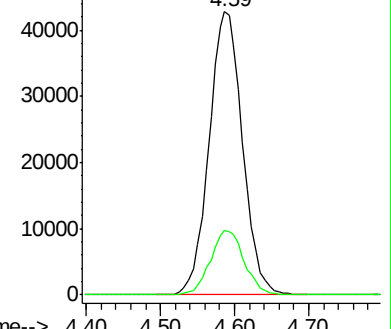
77 100

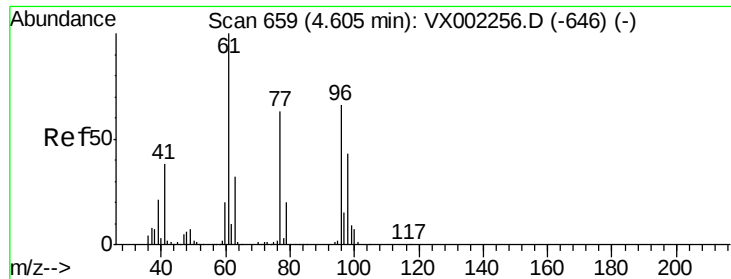
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

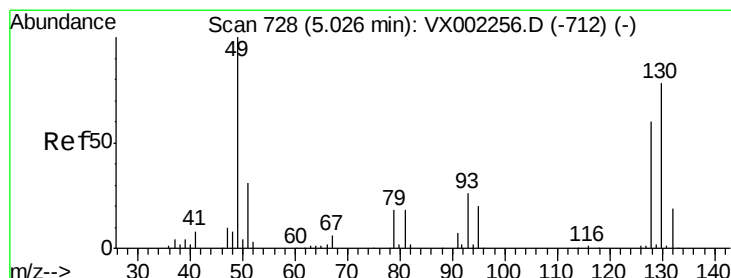
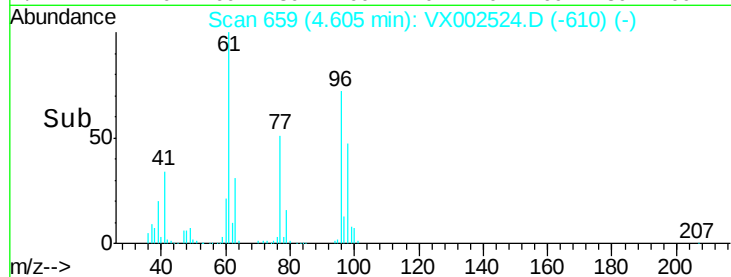
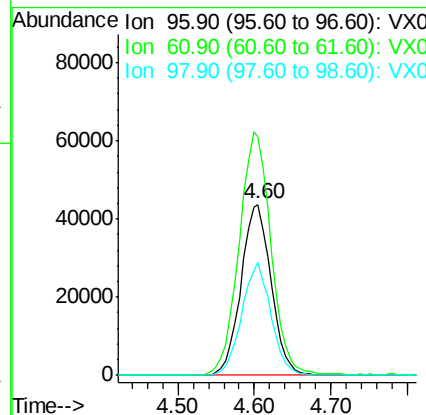
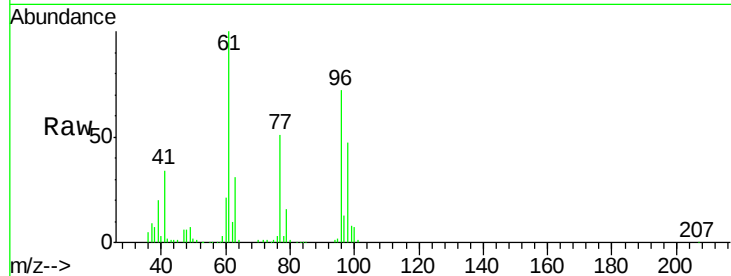
cis-1,2-Dichloroethene
Concen: 46.802 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.4	0.0	330.2	
98	64.0	0.0	130.2	

Manual Integrations
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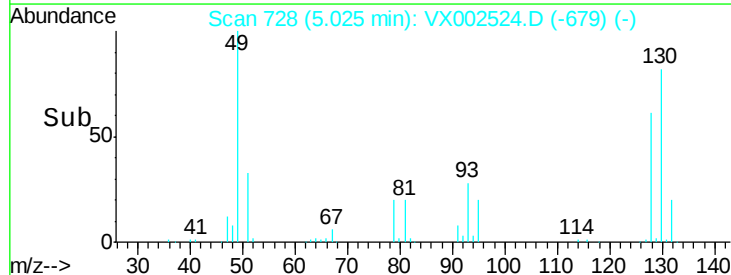
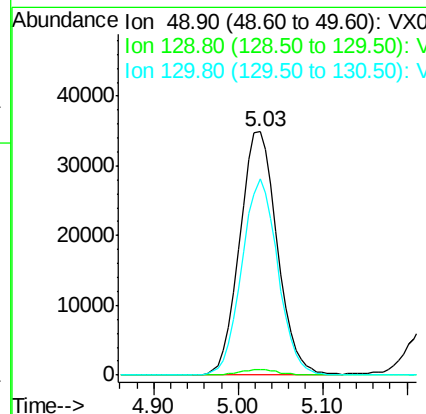
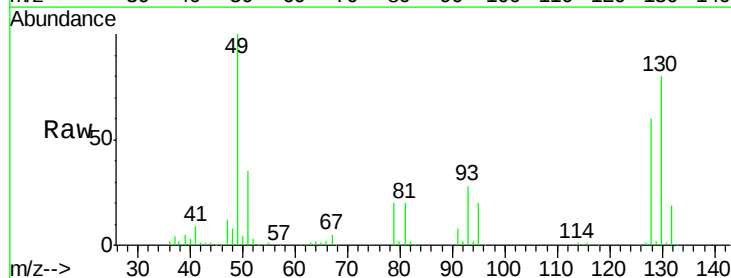
MMDadoda
6/14/2018 11:29:28 AM

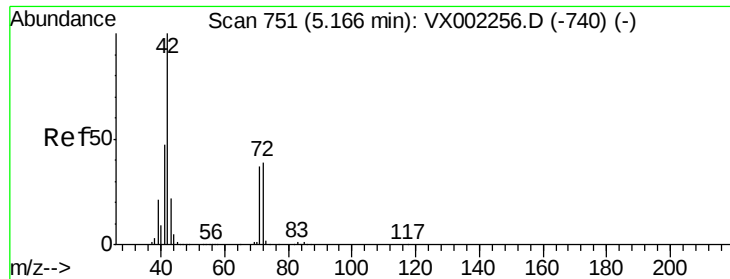


#28

Bromochloromethane
Concen: 54.636 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	77.3	61.2	91.8	





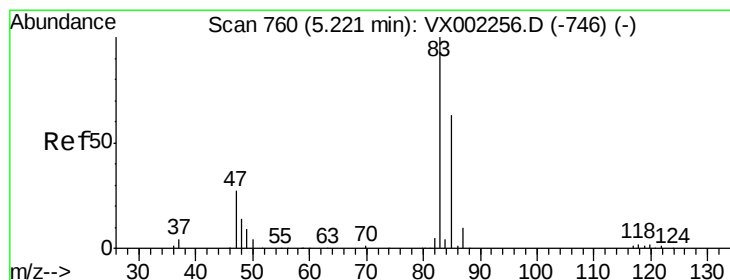
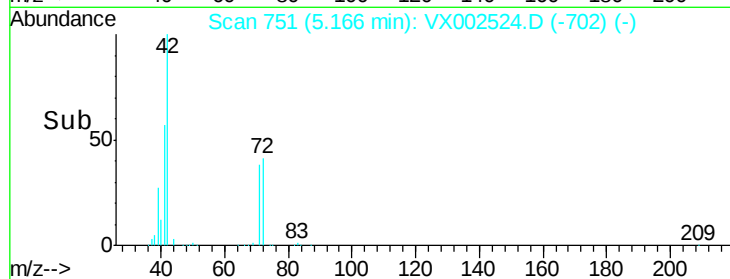
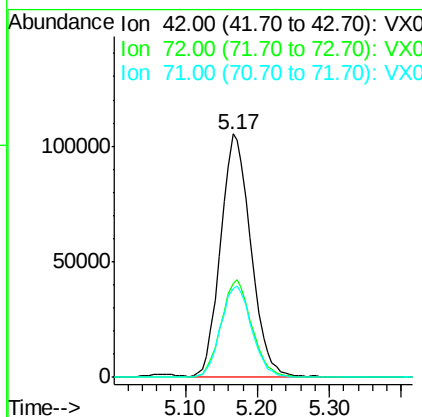
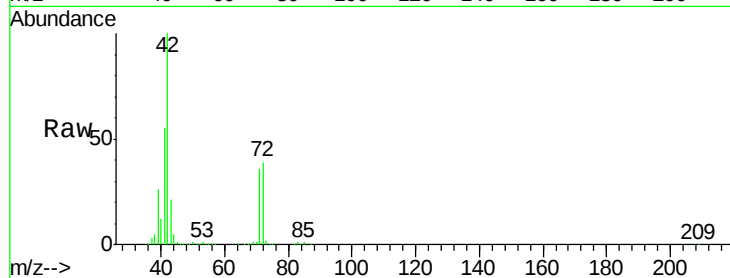
#29
Tetrahydrofuran
Concen: 242.369 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.0	48.0
71	38.6	30.1	45.1

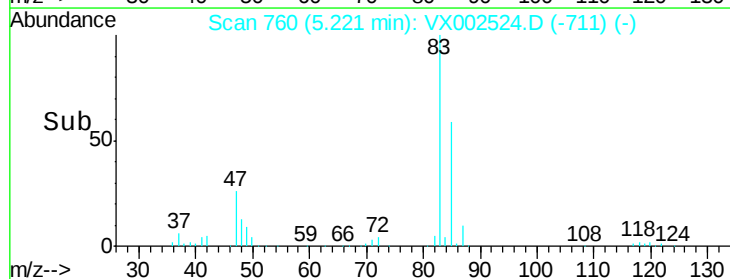
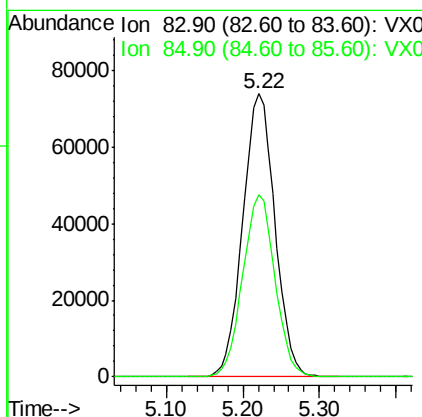
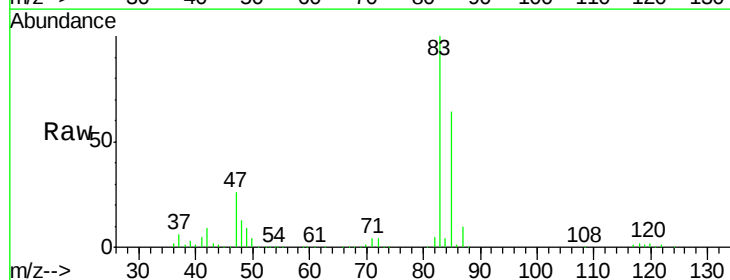
Manual Integrations
APPROVED

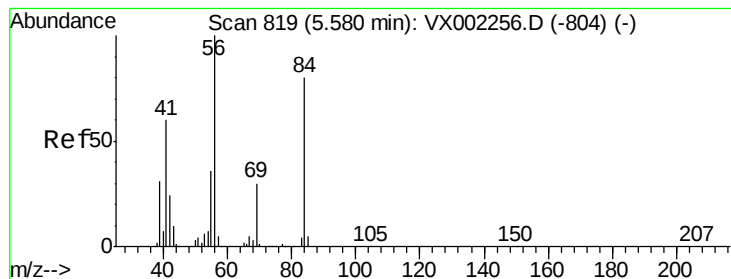
MMDadoda
6/14/2018 11:29:28 AM



#30
Chloroform
Concen: 49.115 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6





#31

Cyclohexane

Concen: 45.512 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

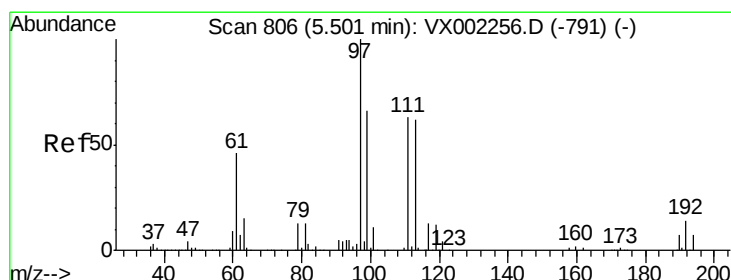
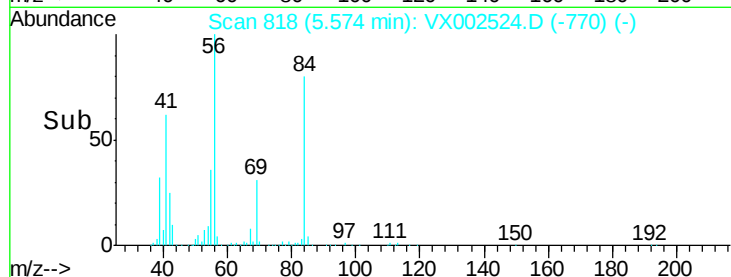
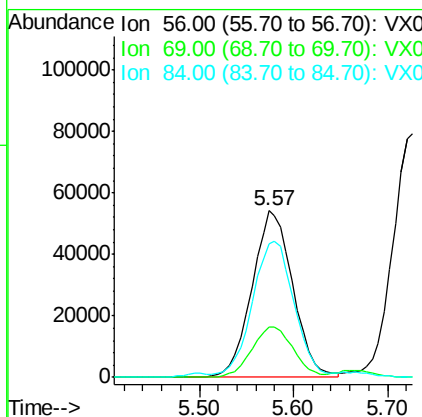
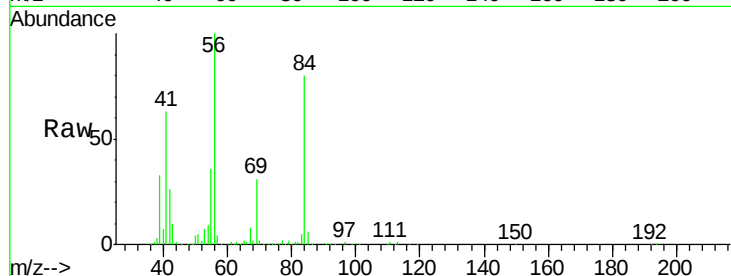
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	164214
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	78.3	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.480 ug/l

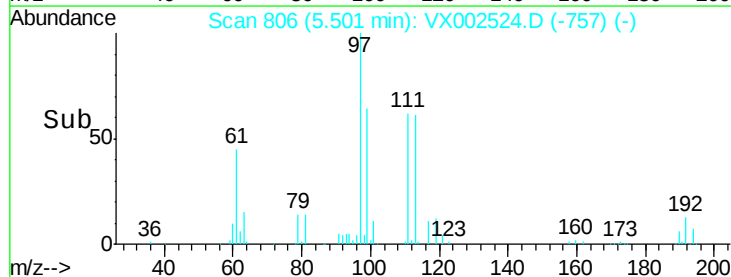
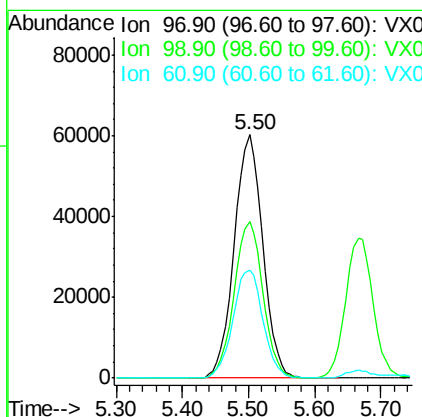
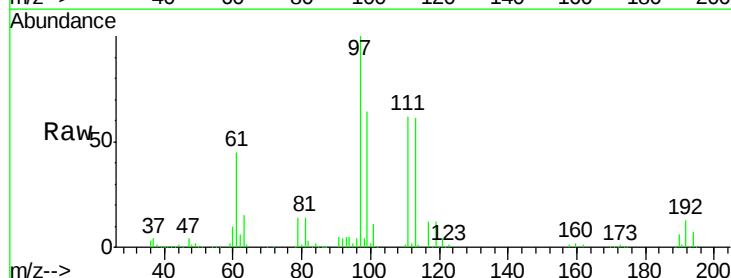
RT: 5.50 min Scan# 806

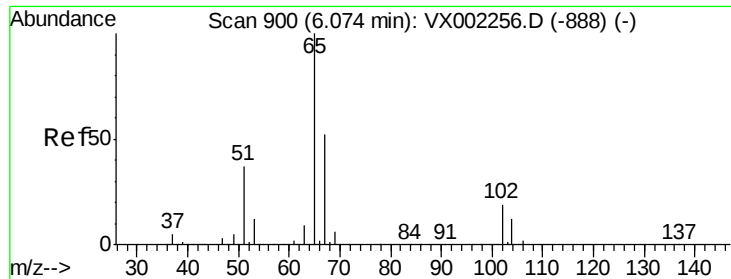
Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	97	Resp:	181030
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.8	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 49.117 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tot Ion: 65 Resp: 140532

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

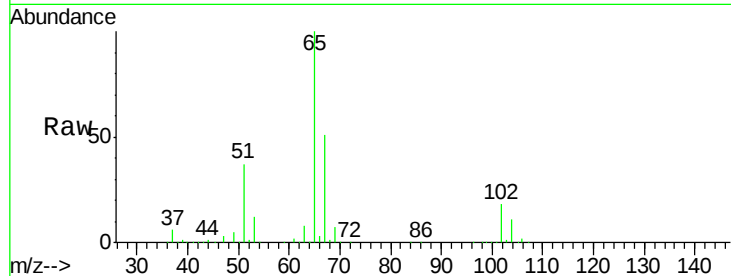
VSTDCCC050

Manual Integrations

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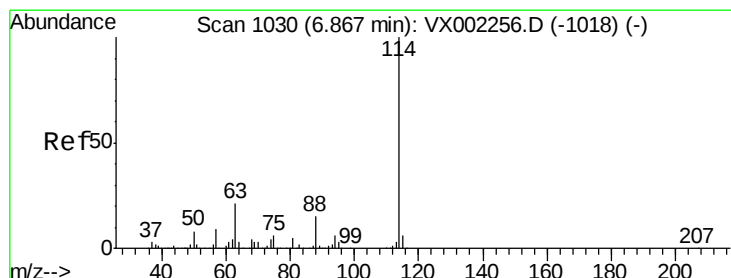
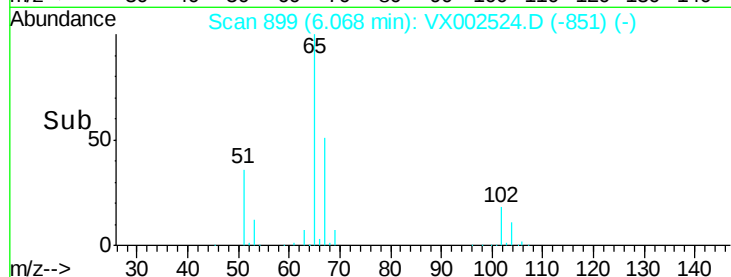
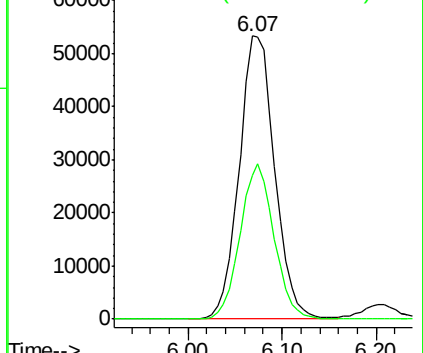
MMDadoda

6/14/2018 11:29:28 AM



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

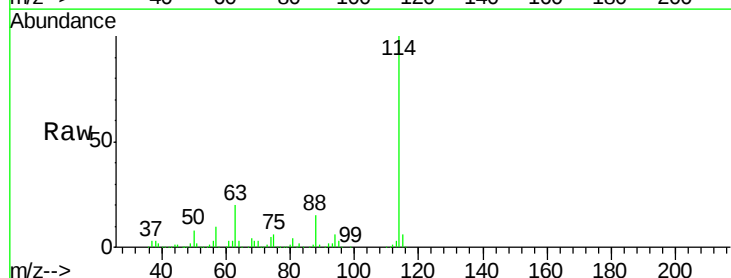
Tgt Ion: 114 Resp: 289542

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

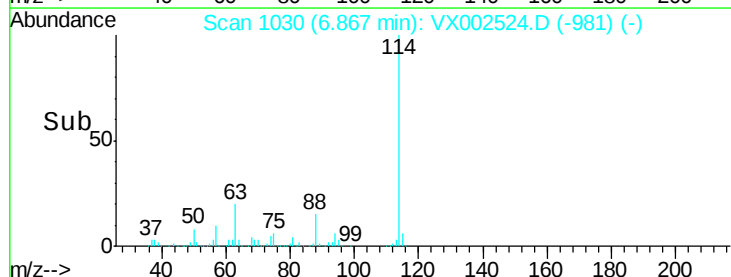
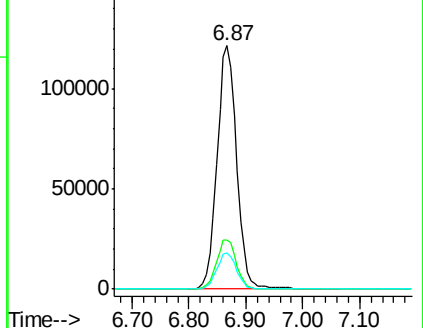
88 14.7 0.0 30.0

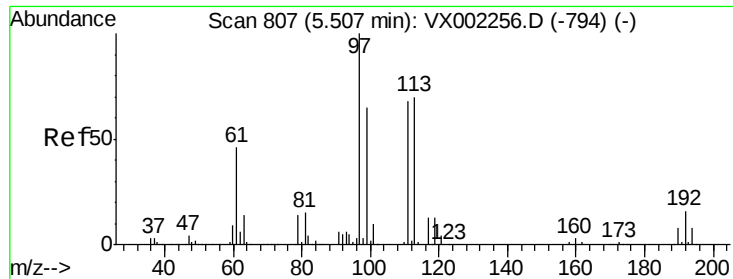


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





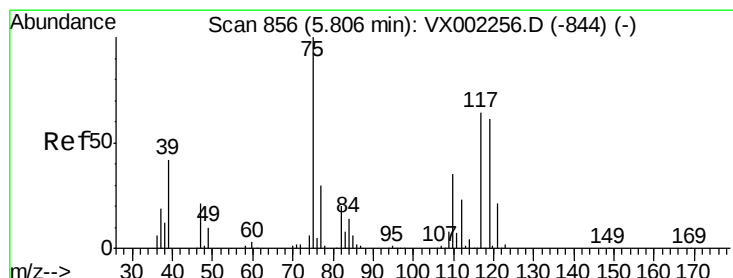
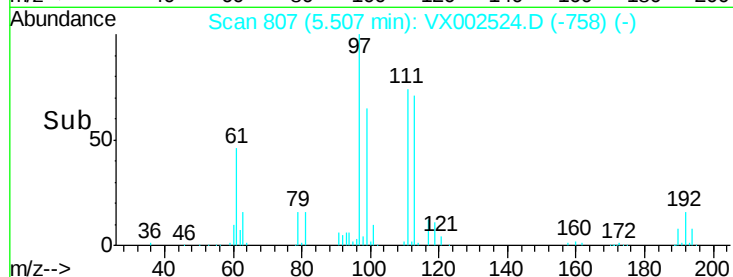
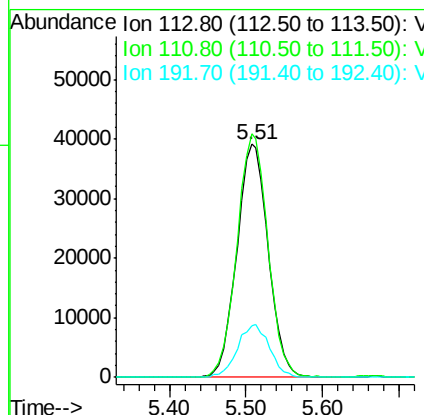
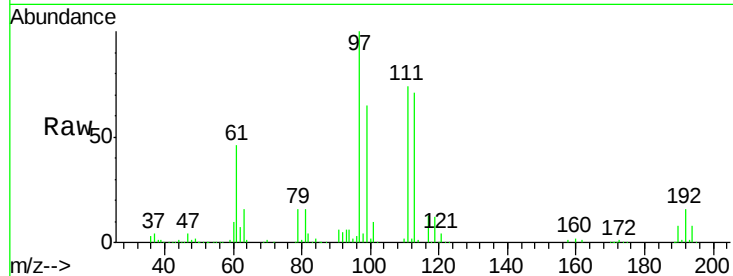
#35
 Dibromofluoromethane
 Concen: 49.007 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111587		
111	103.1	81.4	122.0	
192	22.9	19.1	28.7	

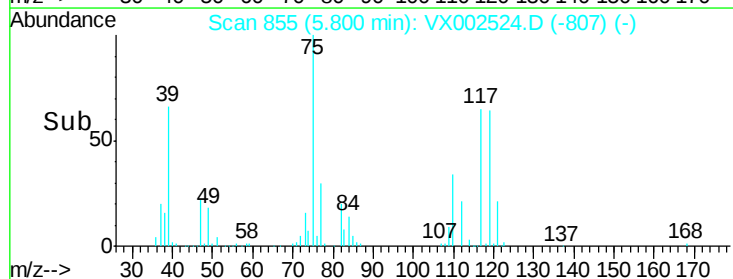
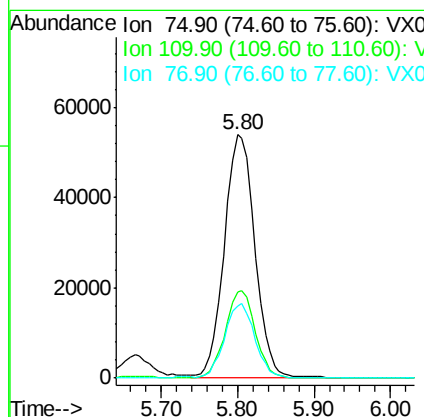
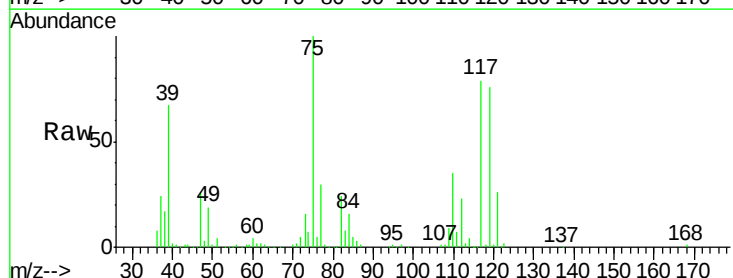
Manual Integrations
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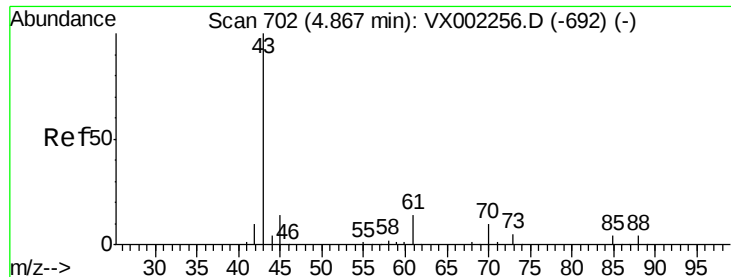
MMDadoda
 6/14/2018 11:29:28 AM



#36
 1,1-Dichloropropene
 Concen: 48.773 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148462		
110	35.4	18.1	54.4	
77	30.1	24.3	36.5	





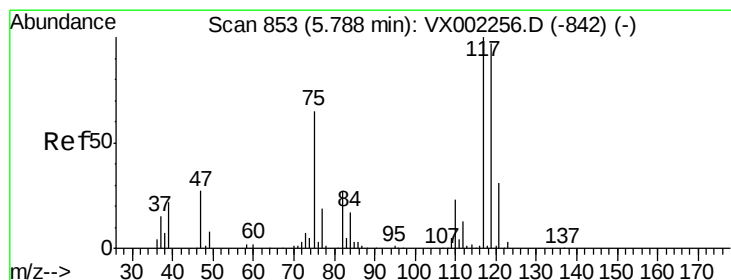
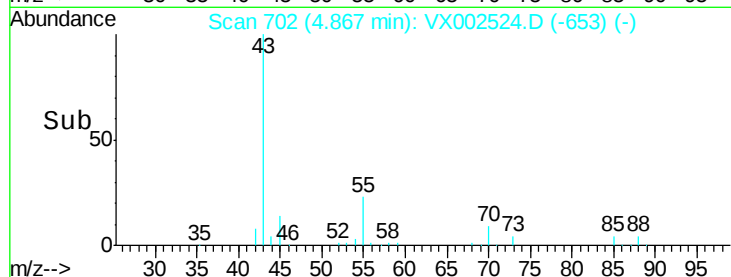
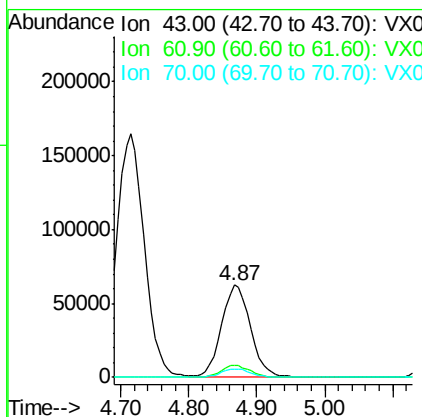
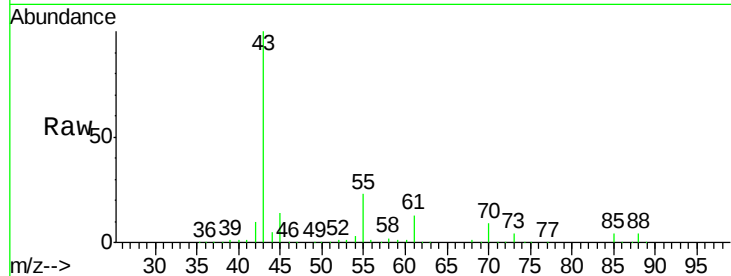
#37
Ethyl Acetate
Concen: 50.429 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.5	7.6	11.4

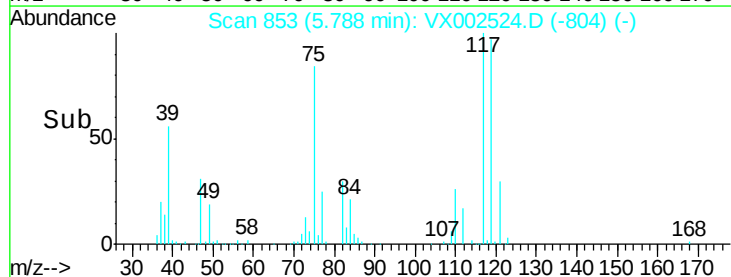
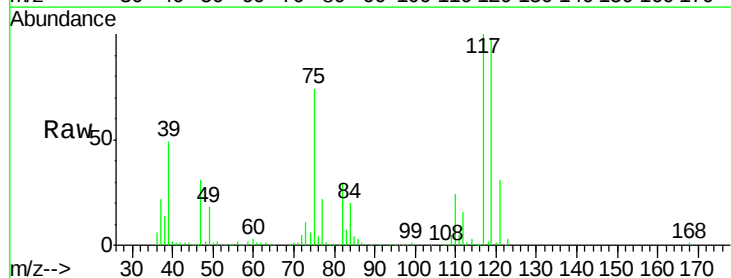
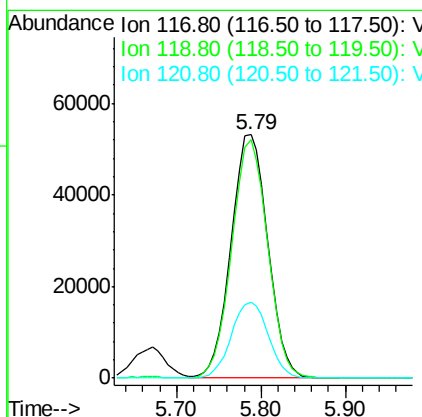
Manual Integrations
APPROVED

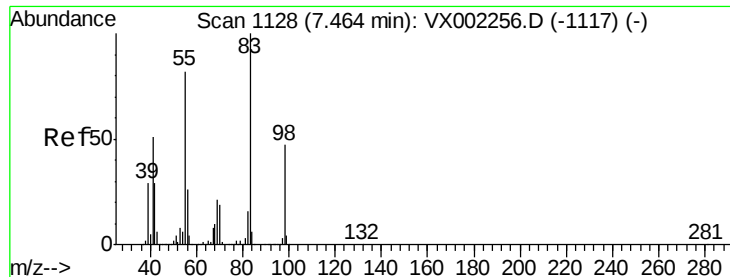
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.445 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	31.0	24.4	36.6





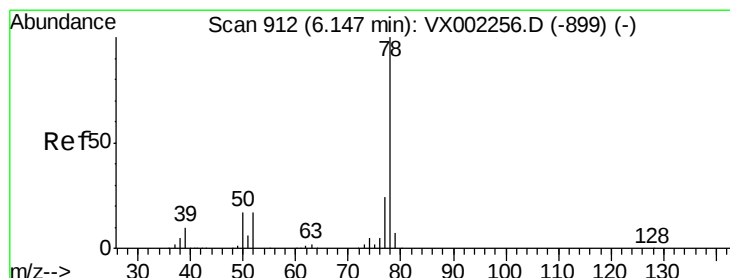
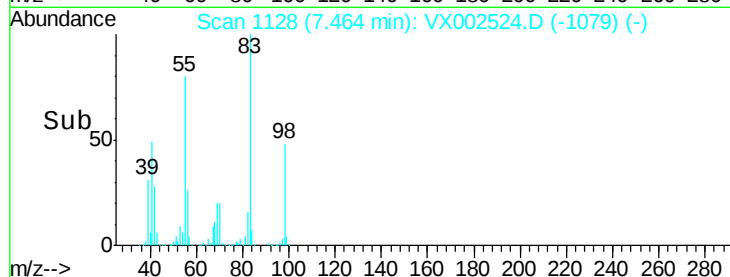
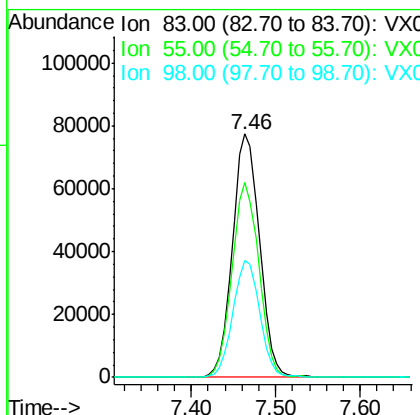
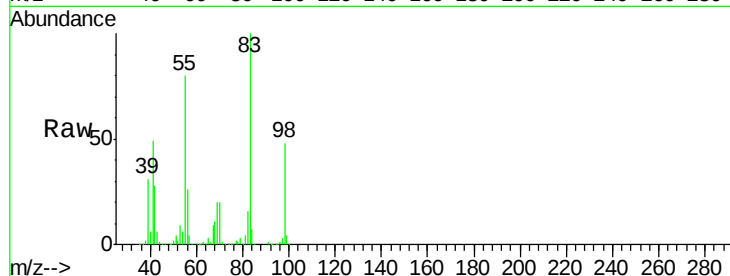
#39
Methvlcvclohexane
Concen: 44.776 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	65.4	98.0
98	48.2	37.4	56.0

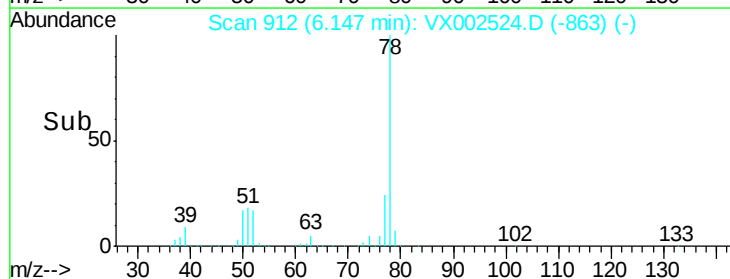
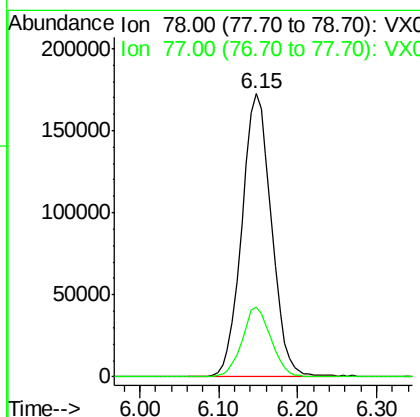
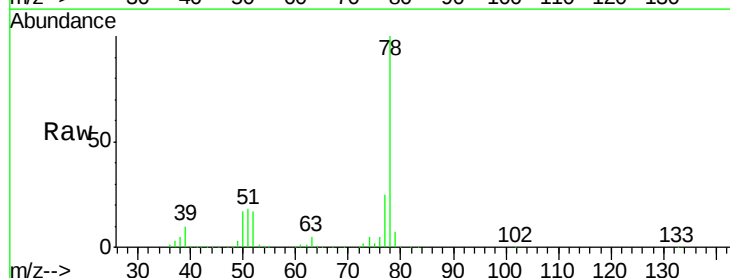
Manual Integrations
APPROVED

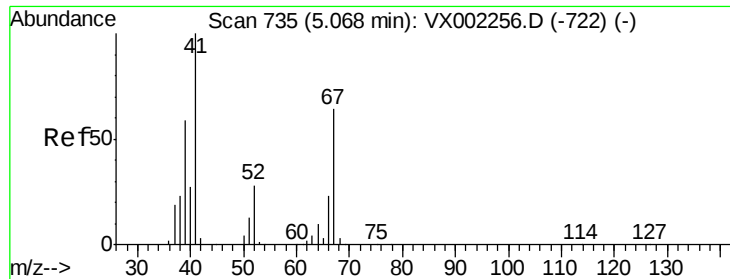
MMDadoda
6/14/2018 11:29:28 AM



#40
Benzene
Concen: 48.301 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





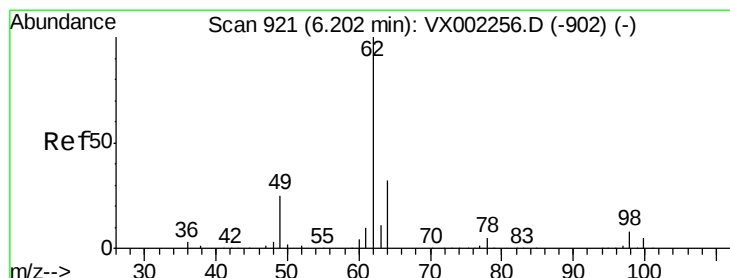
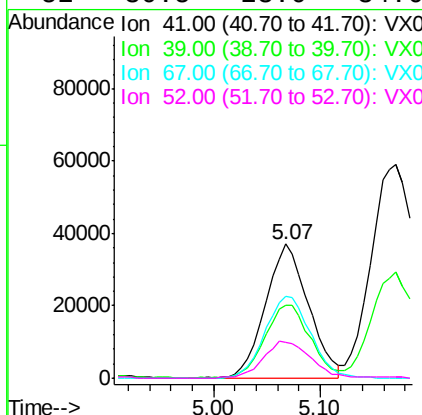
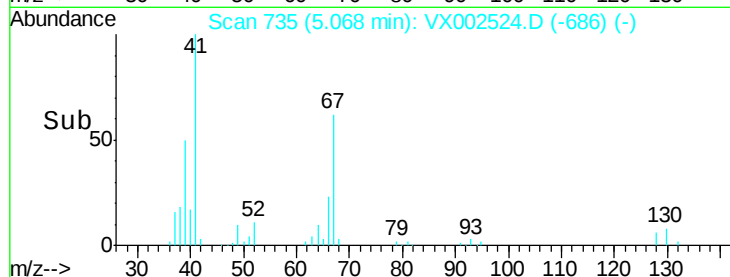
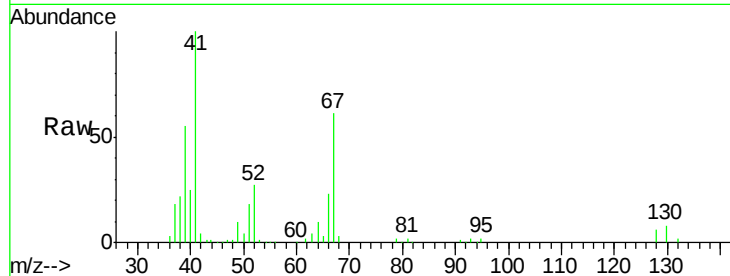
#41
Methacrylonitrile
Concen: 49.921 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.6
67	64.7	51.3	76.9
52	30.5	23.0	34.6

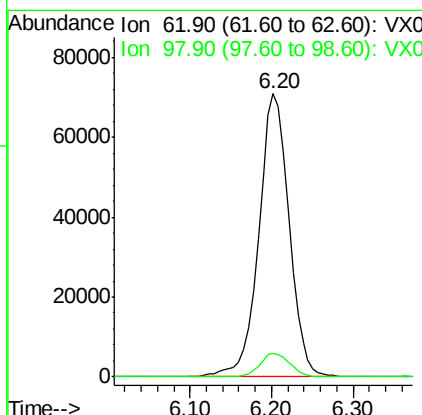
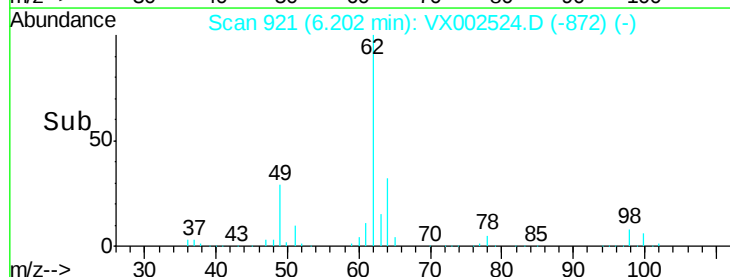
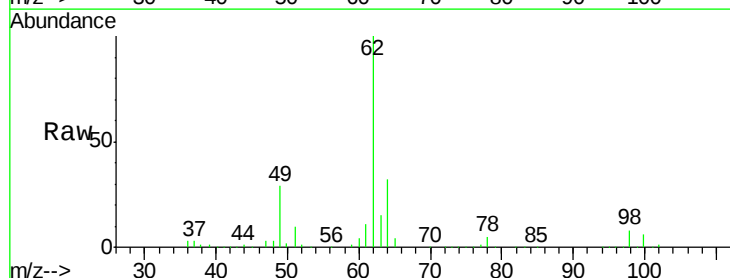
Manual Integrations
APPROVED

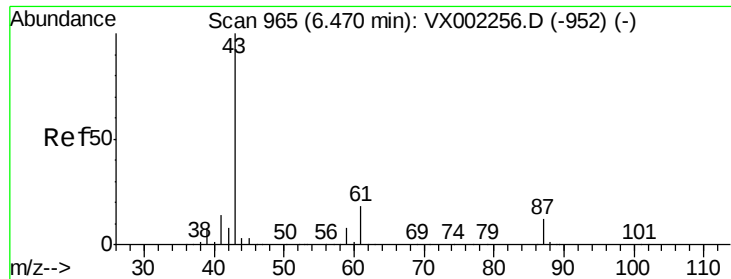
MMDadoda
6/14/2018 11:29:28 AM



#42
1,2-Dichloroethane
Concen: 49.552 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

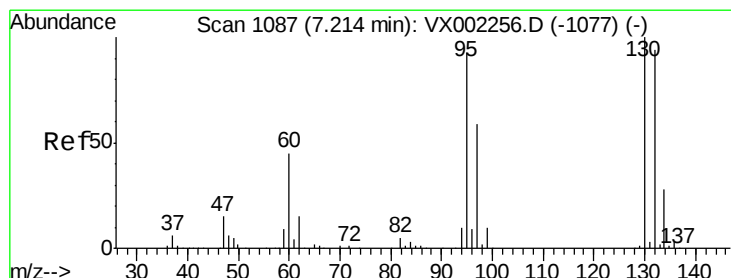
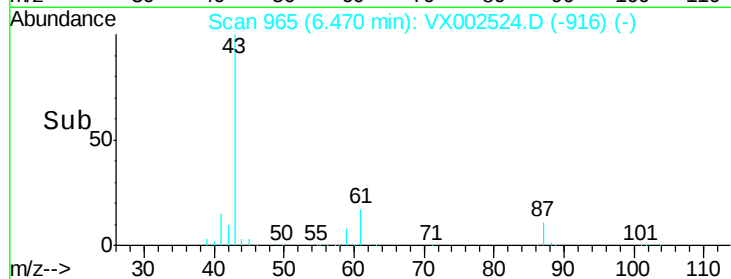
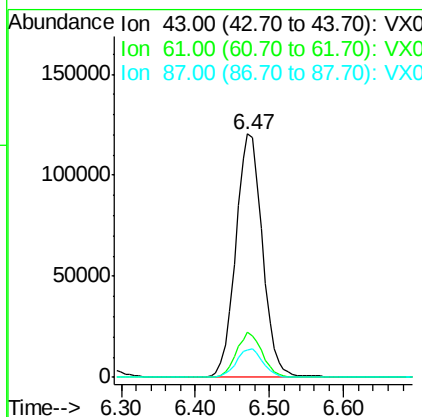
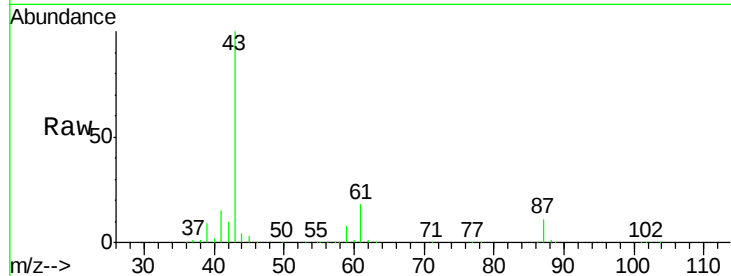
Isopropyl Acetate
 Concen: 48.698 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	11.9	9.5	14.3

Manual Integrations
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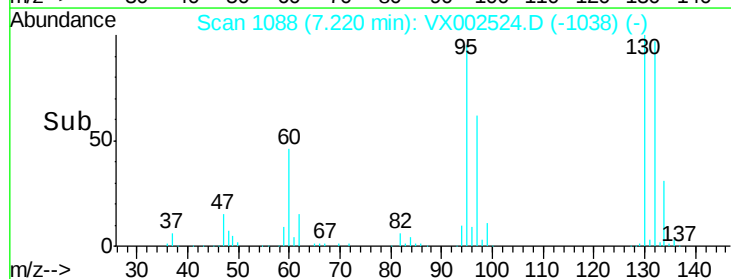
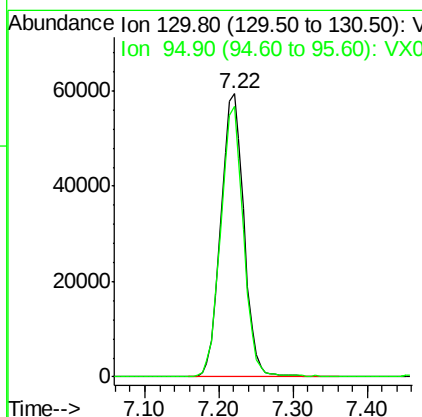
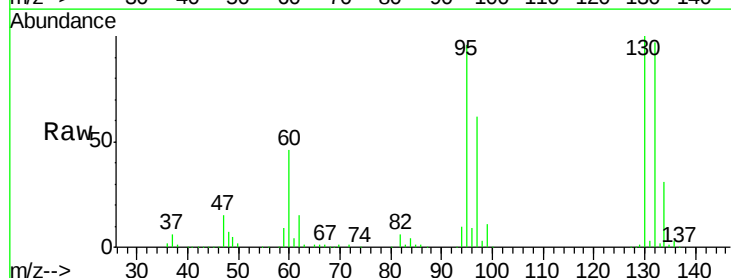
MMDadoda
 6/14/2018 11:29:28 AM

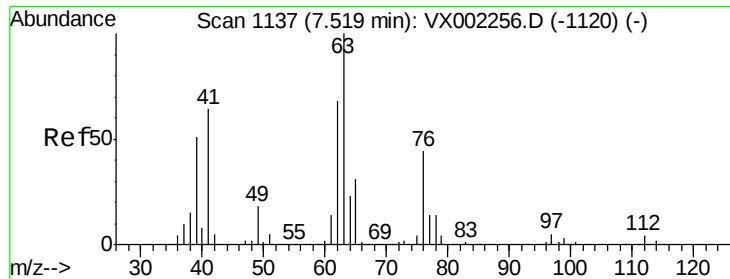


#44

Trichloroethene
 Concen: 49.556 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	185.4





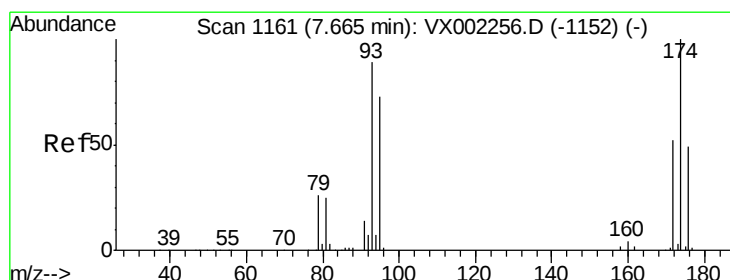
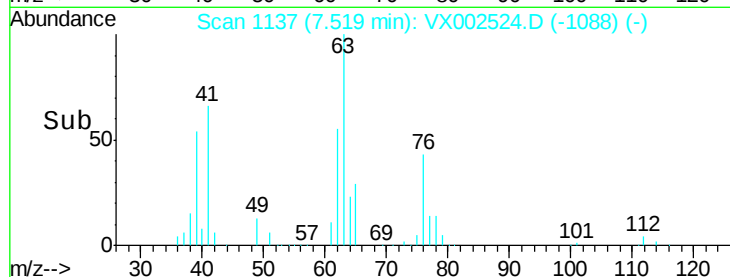
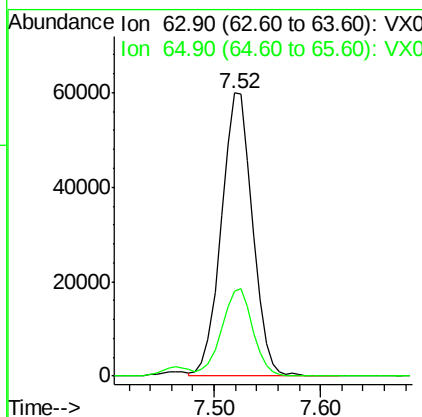
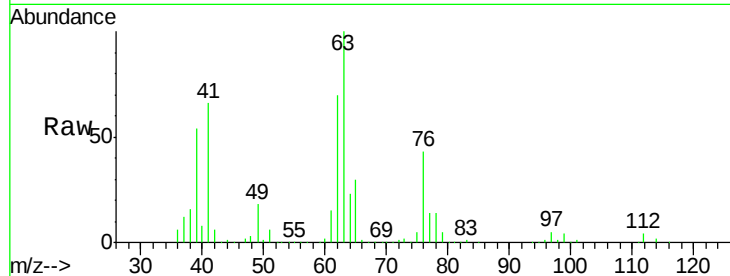
#45
 1,2-Dichloropropane
 Concen: 48.600 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.7	37.1

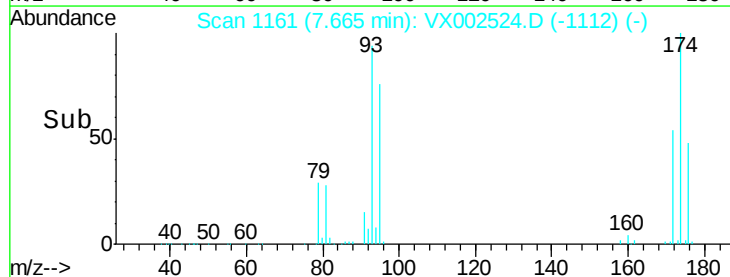
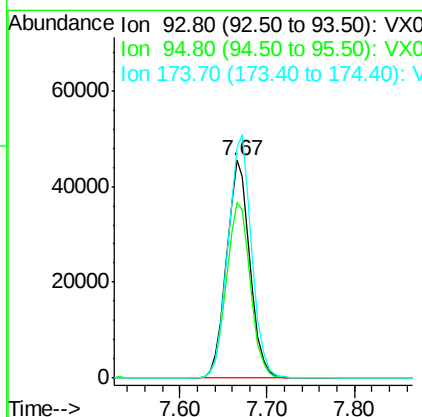
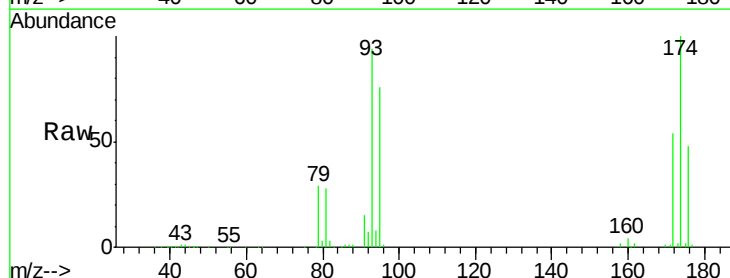
Manual Integrations
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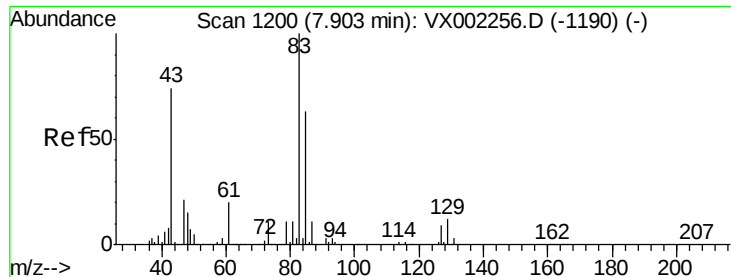
MMDadoda
 6/14/2018 11:29:28 AM



#46
 Dibromomethane
 Concen: 49.176 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	113.2	92.4	138.6





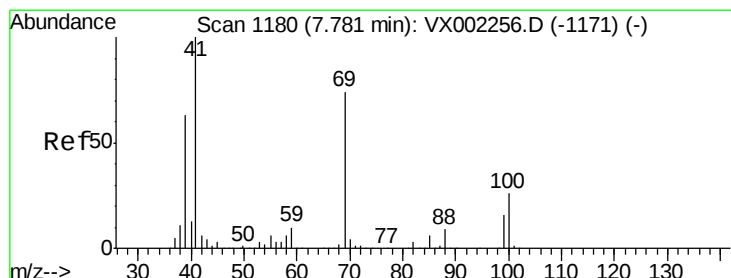
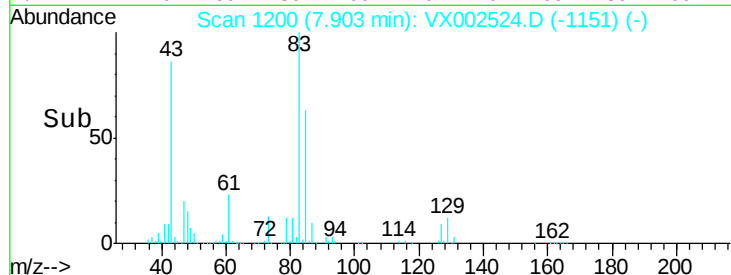
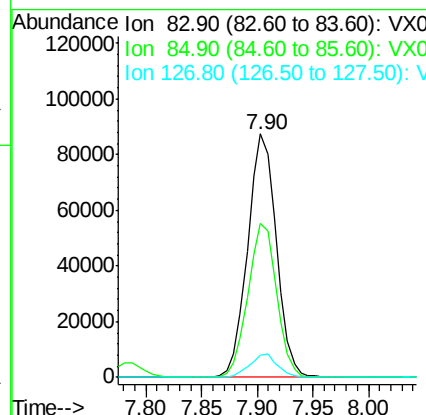
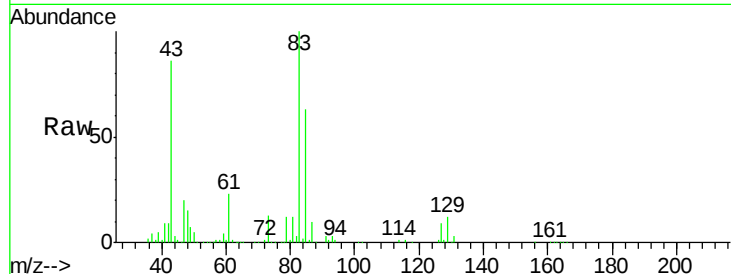
#47
Bromodichloromethane
Concen: 50.735 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.3	75.5
127	9.0	7.0	10.4

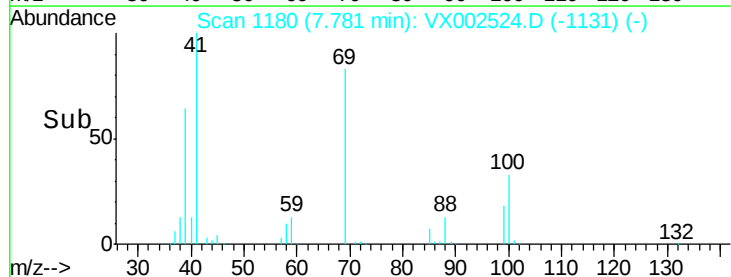
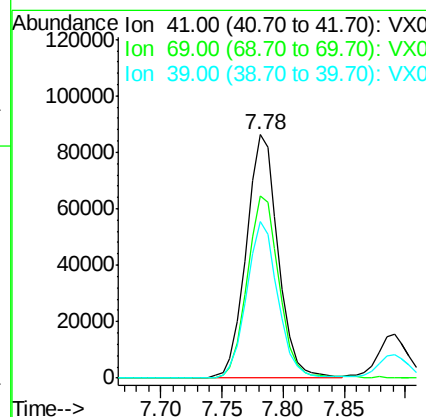
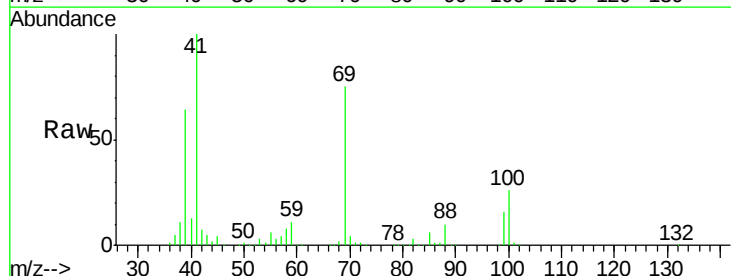
Manual Integrations
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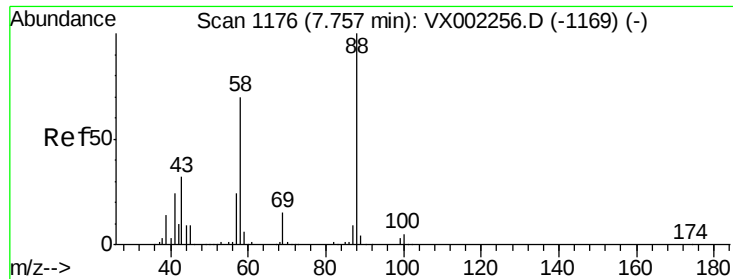
MMDadoda
6/14/2018 11:29:28 AM



#48
Methyl methacrylate
Concen: 49.907 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.2	59.1	88.7
39	62.9	48.9	73.3





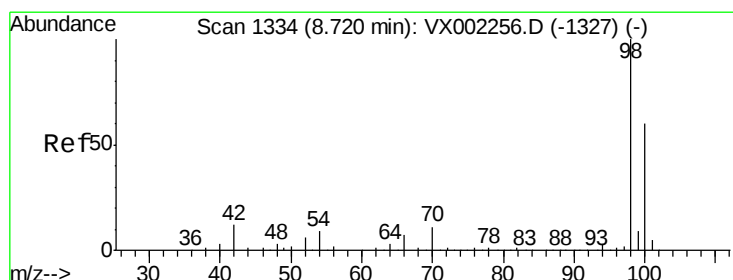
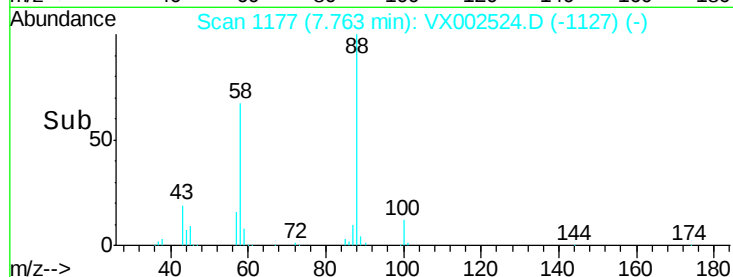
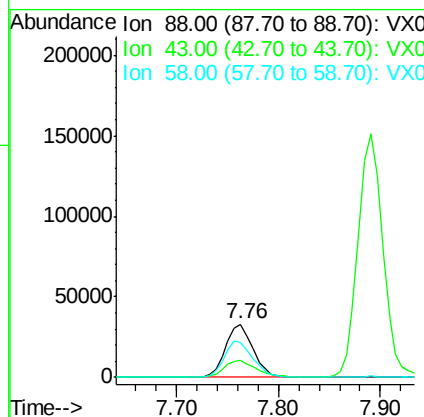
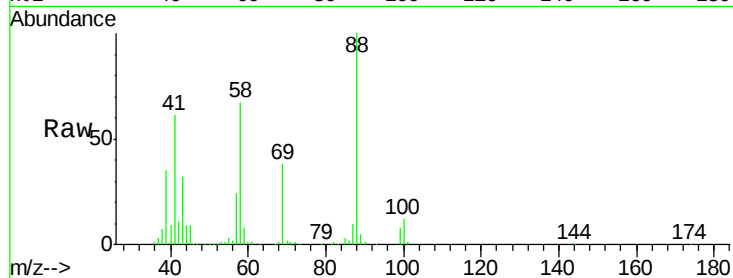
#49
1,4-Dioxane
Concen: 1051.252 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.6
58	71.6	57.1	85.7

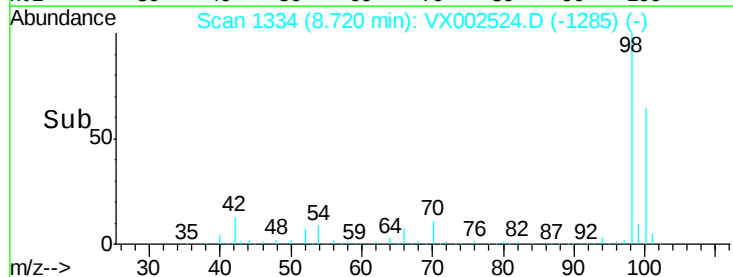
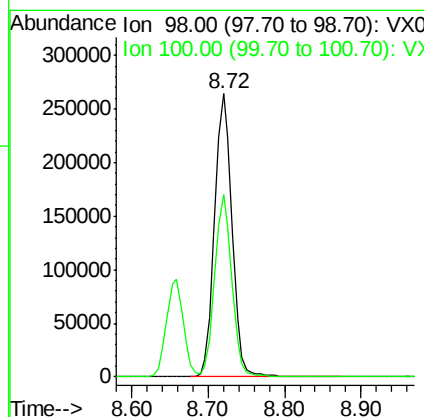
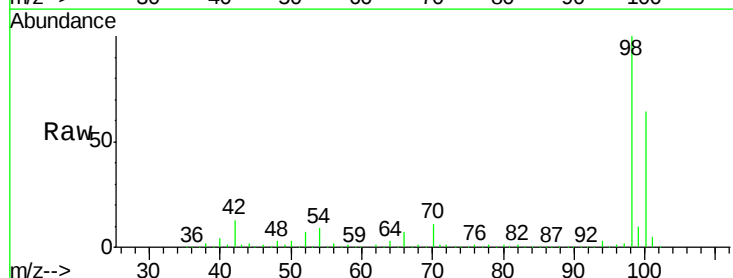
Manual Integrations
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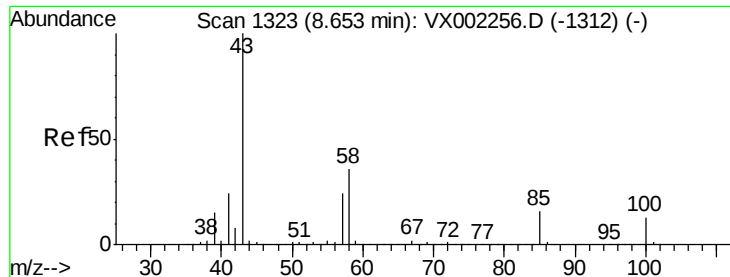
MMDadoda
6/14/2018 11:29:28 AM



#50
Toluene-d8
Concen: 47.884 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 265.318 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1027313

Ion Ratio Lower Upper

43 100

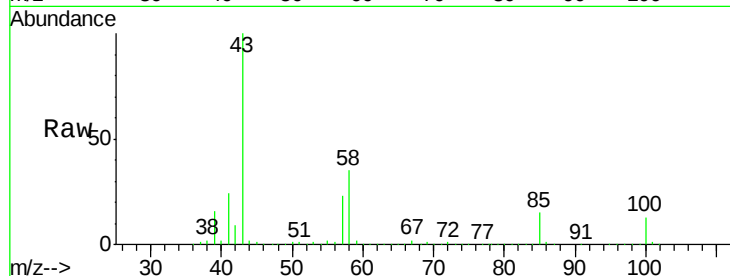
58 35.8 28.6 42.8

Manual Integrations

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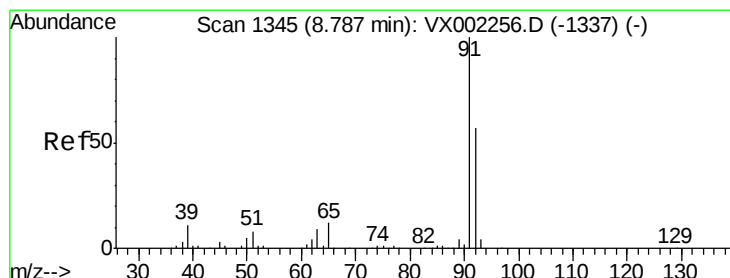
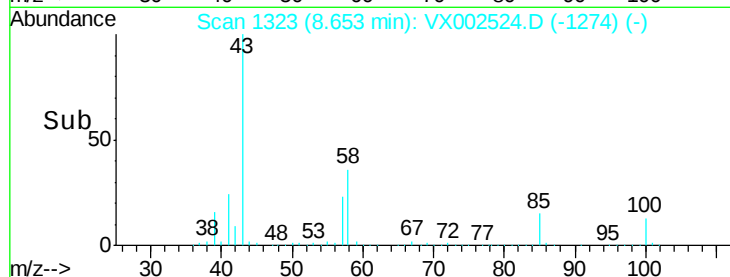
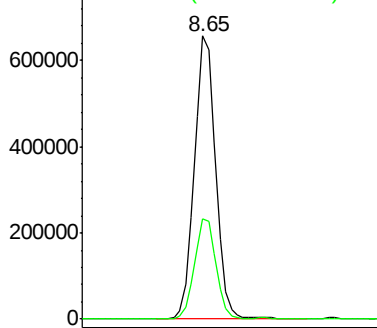
MMDadoda

6/14/2018 11:29:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.033 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002524.D

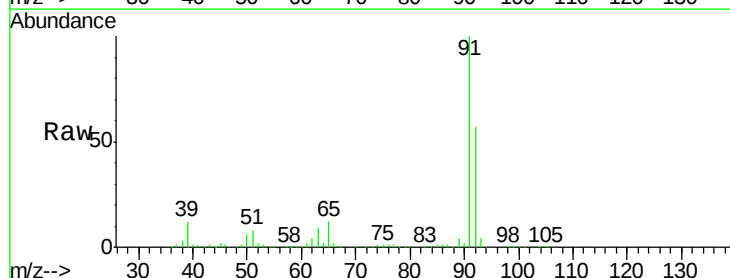
Acq: 13 Jun 2018 22:41

Tgt Ion: 92 Resp: 296999

Ion Ratio Lower Upper

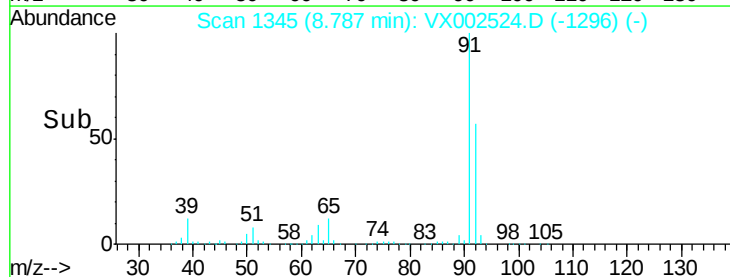
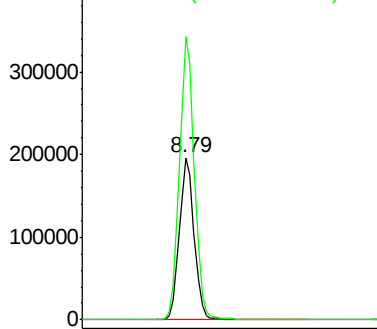
92 100

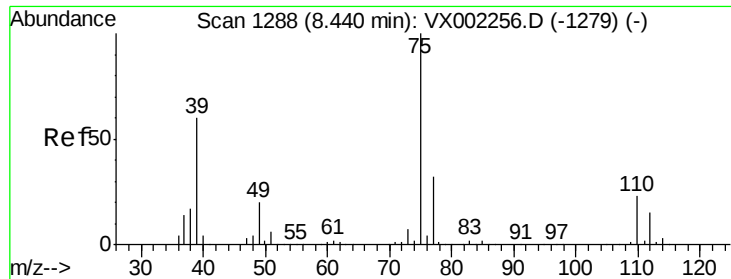
91 176.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





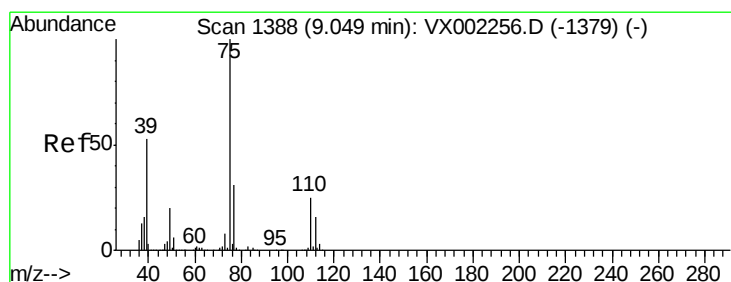
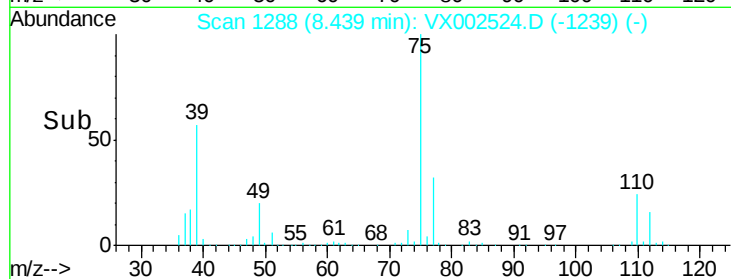
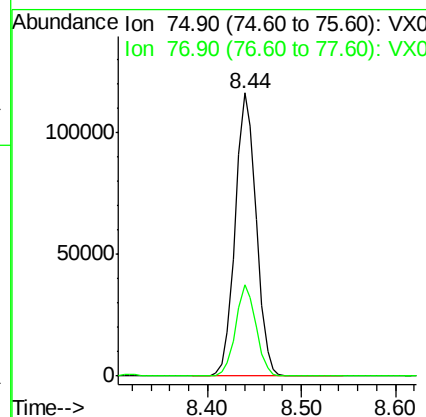
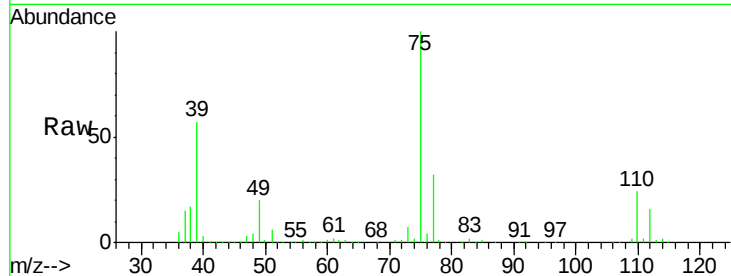
#53
t-1,3-Dichloropropene
Concen: 48.487 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	179625		
77	32.1	25.4	38.2	

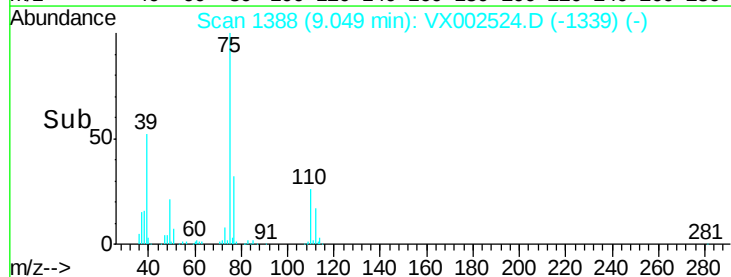
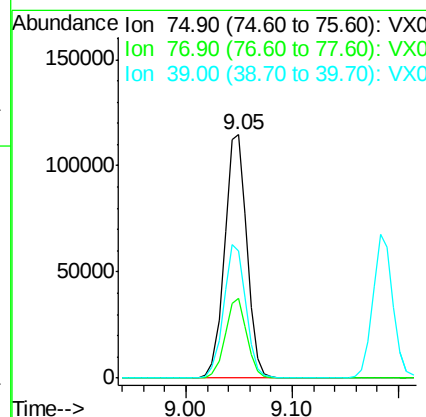
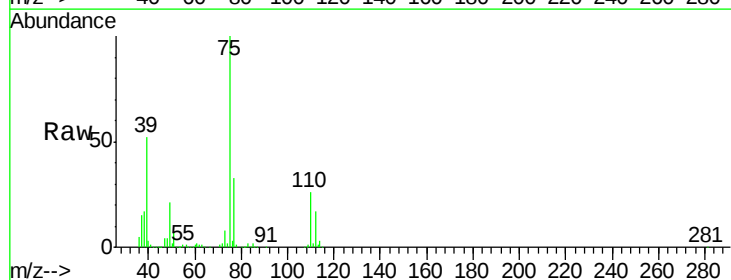
Manual Integrations
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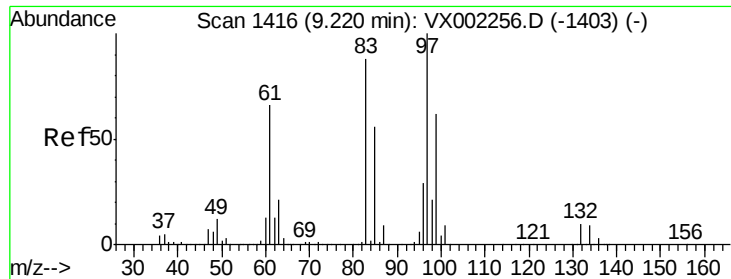
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.830 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167172		
77	32.5	24.8	37.2	
39	52.3	42.4	63.6	





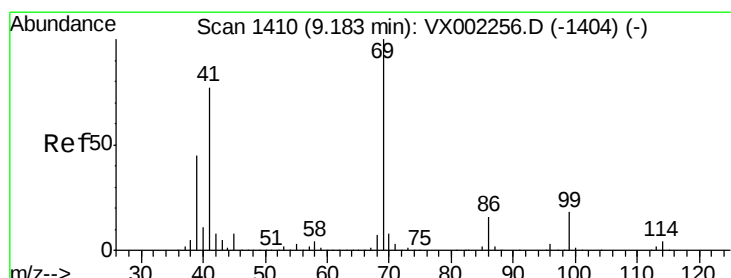
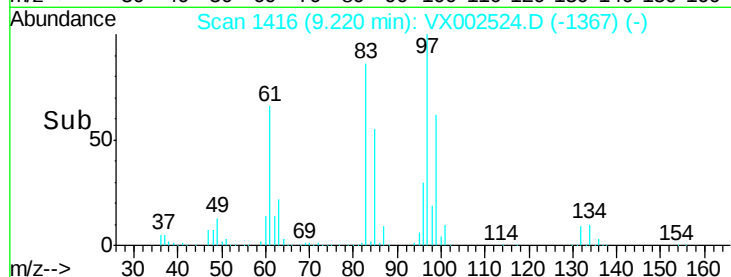
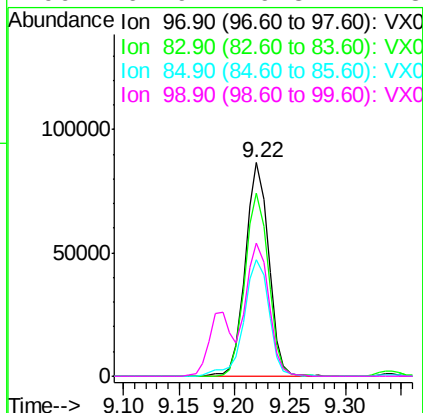
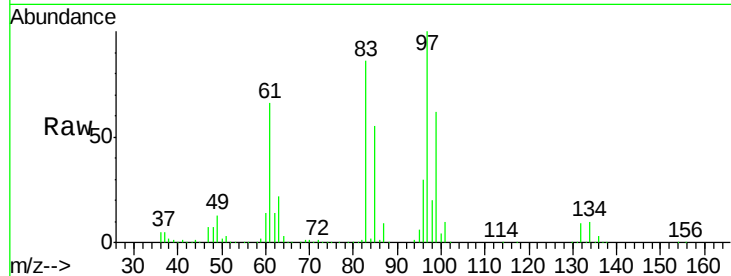
#55
 1,1,2-Trichloroethane
 Concen: 51.798 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	126462
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	54.6	44.9	67.3
99	61.9	49.8	74.8

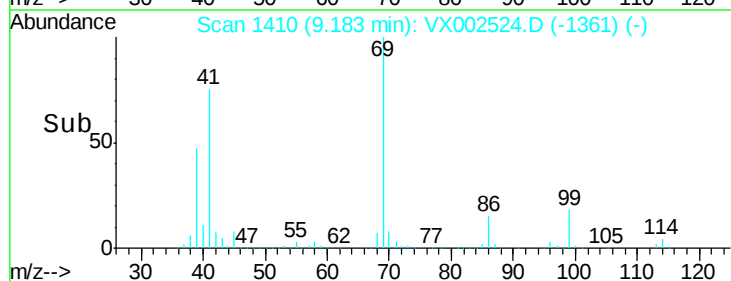
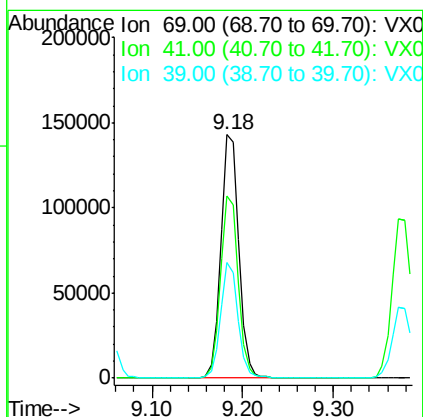
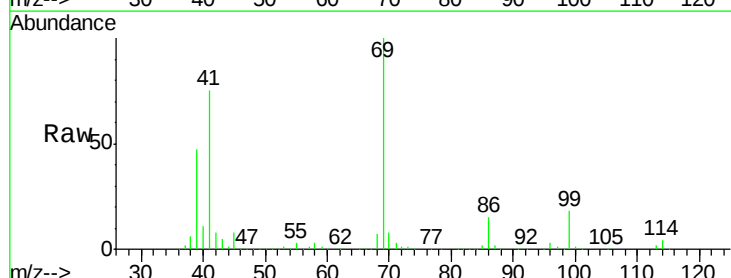
Manual Integrations
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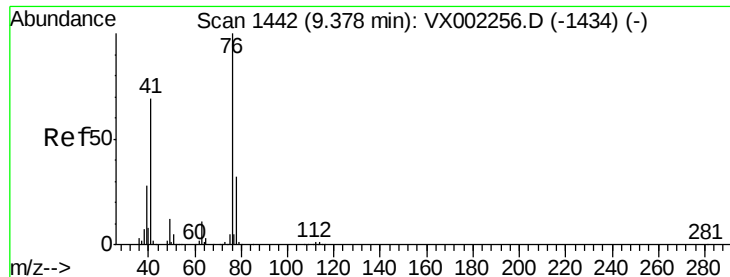
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 50.733 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion:	69	Resp:	197750
Ion	Ratio	Lower	Upper
69	100		
41	73.9	60.3	90.5
39	45.4	35.8	53.8





#57

1,3-Dichloropropane

Concen: 50.829 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 208186

Ion Ratio Lower Upper

76 100

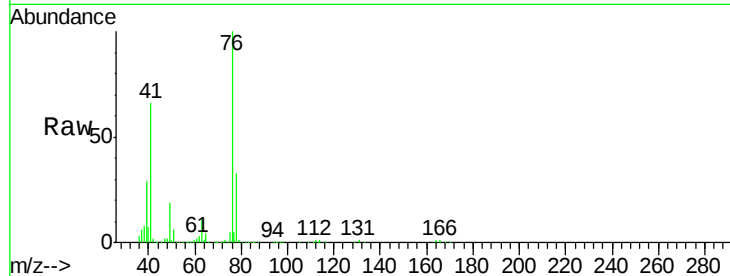
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

6/14/2018 11:29:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

150000

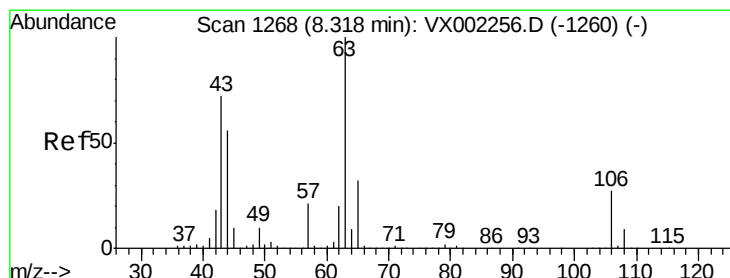
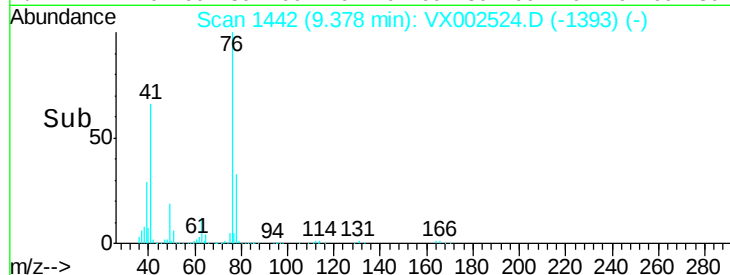
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.600 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002524.D

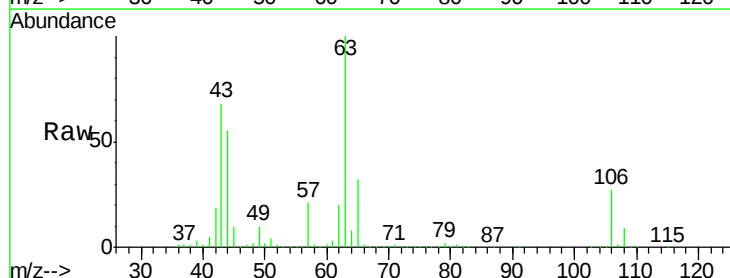
Acq: 13 Jun 2018 22:41

Tgt Ion: 63 Resp: 466529

Ion Ratio Lower Upper

63 100

106 27.6 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

300000

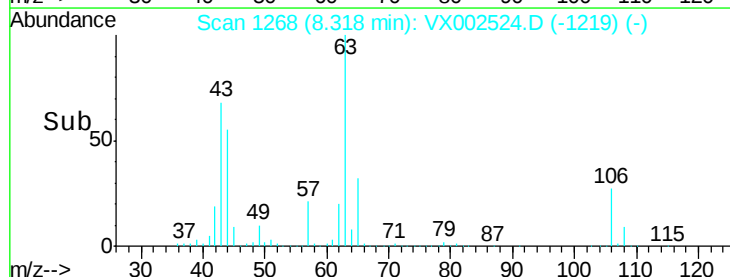
200000

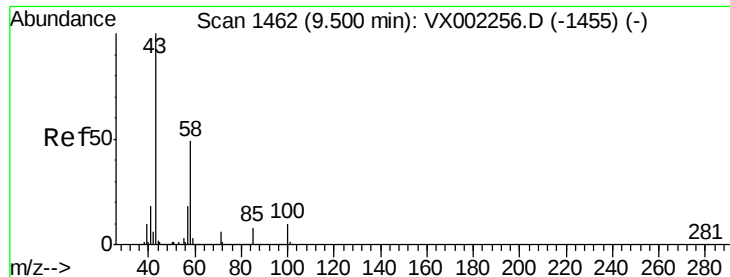
100000

0

8.20 8.30 8.40

Time-->





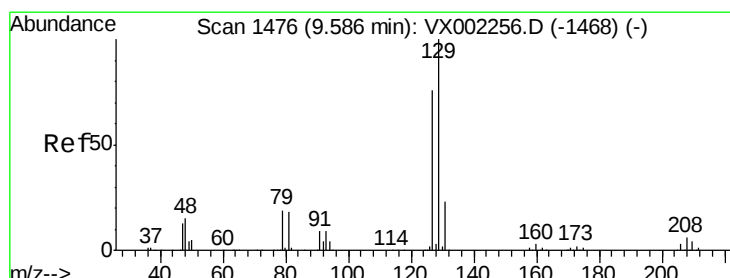
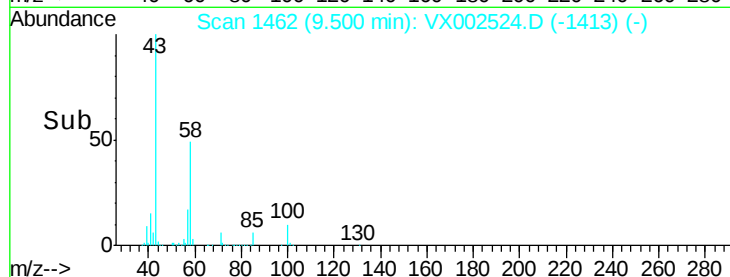
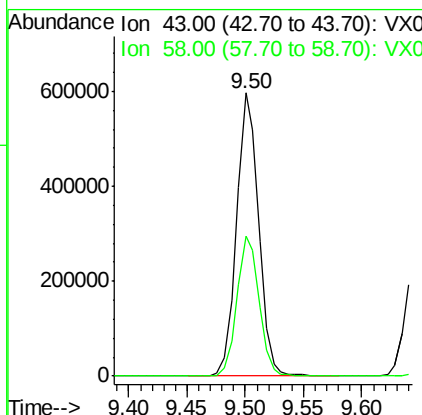
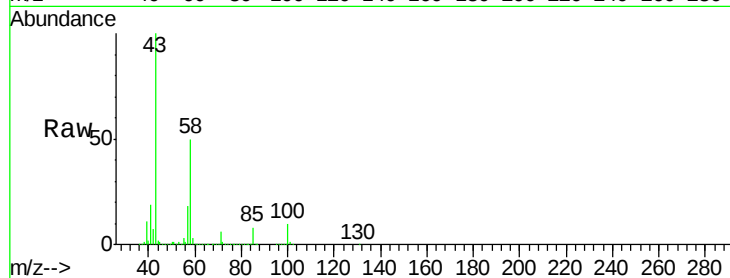
#59
2-Hexanone
Concen: 263.088 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	24.6	73.6

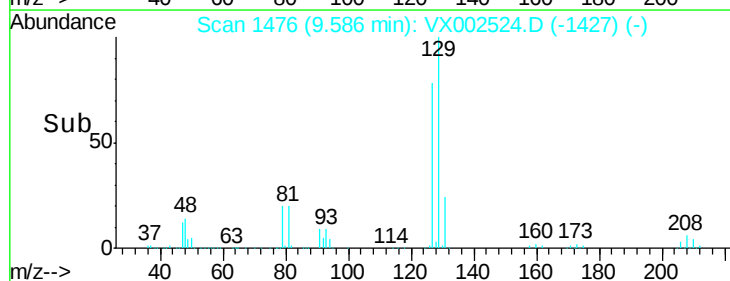
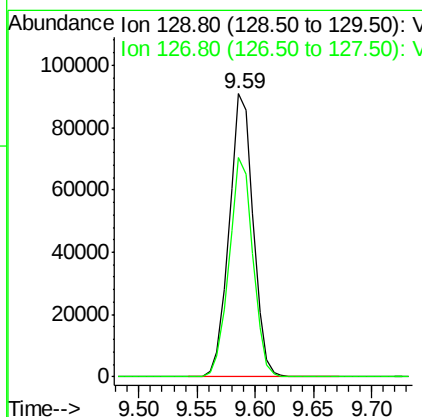
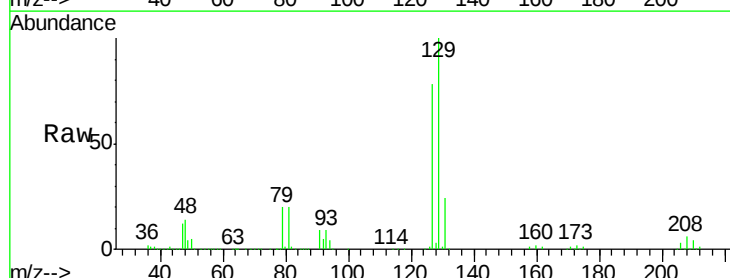
Manual Integrations
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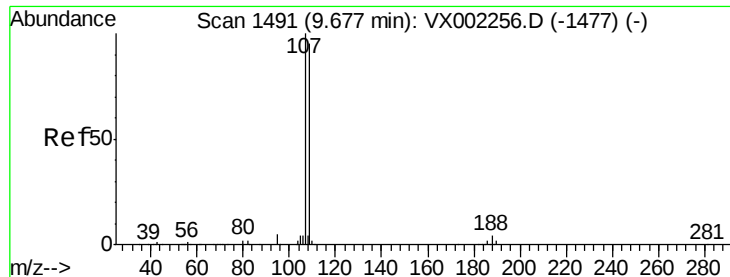
MMDadoda
6/14/2018 11:29:28 AM



#60
Dibromochloromethane
Concen: 53.034 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 52.385 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133353

Ion Ratio Lower Upper

107 100

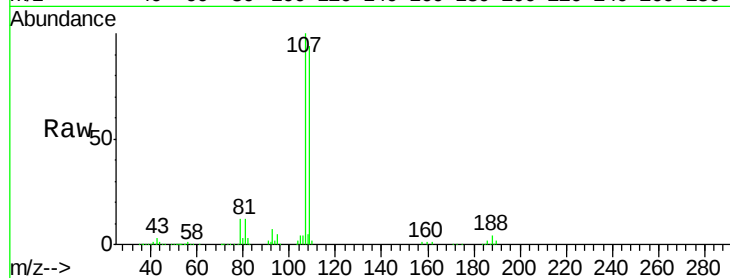
109 95.0 75.3 112.9

Manual Integrations

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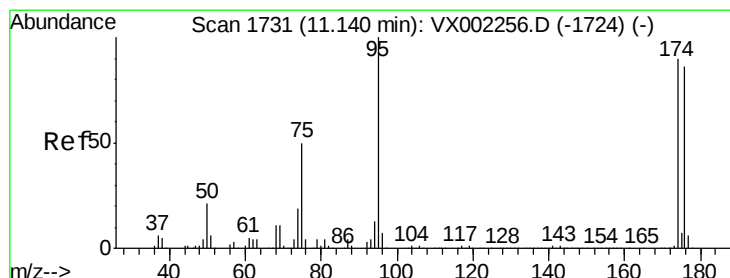
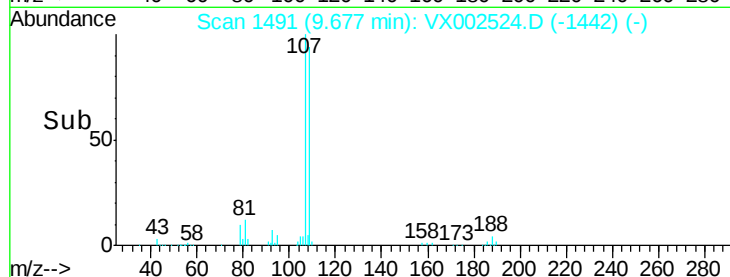
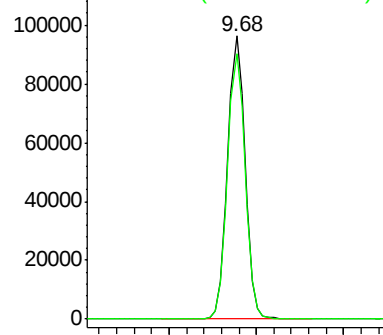
MMDadoda

6/14/2018 11:29:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.274 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

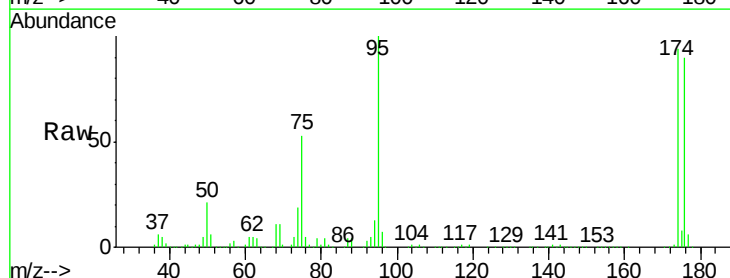
Tgt Ion: 95 Resp: 162463

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

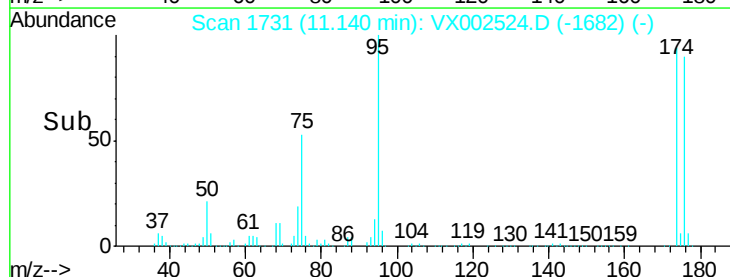
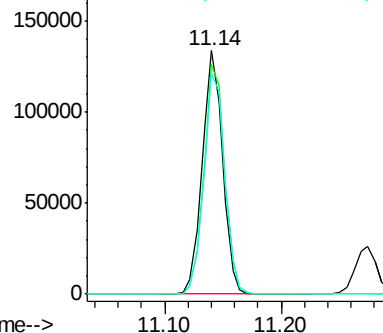
176 92.9 0.0 181.0

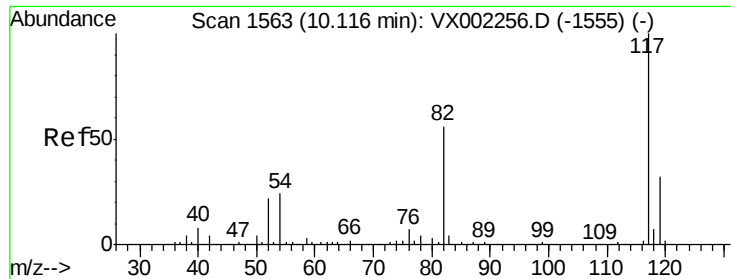


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





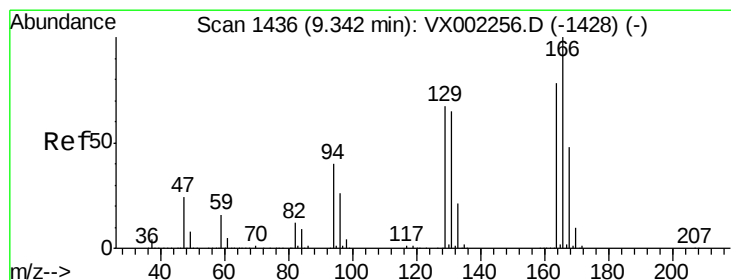
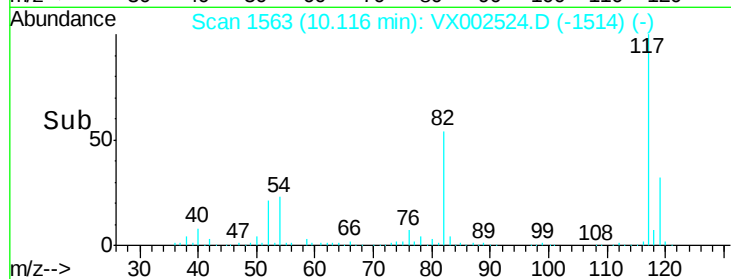
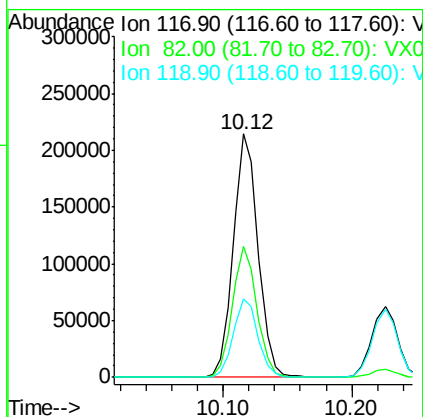
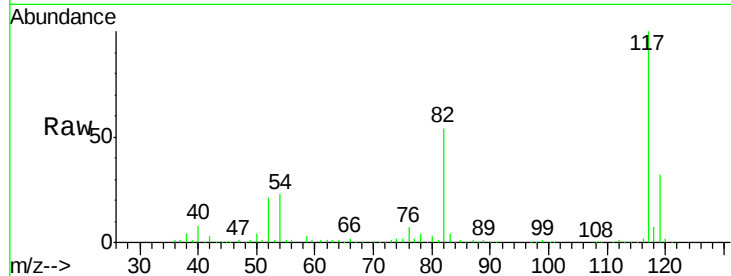
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.0	67.4
119	32.4	25.8	38.6

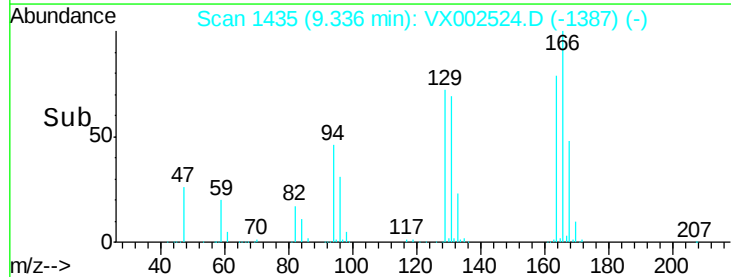
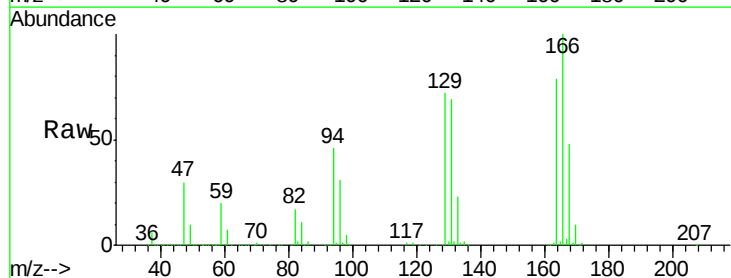
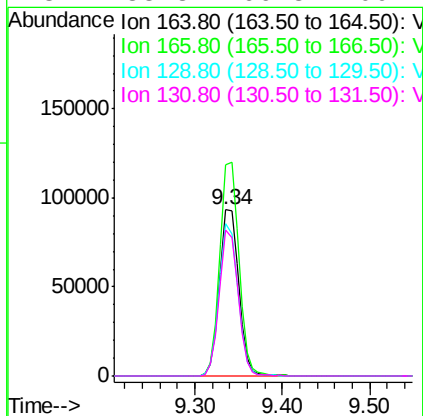
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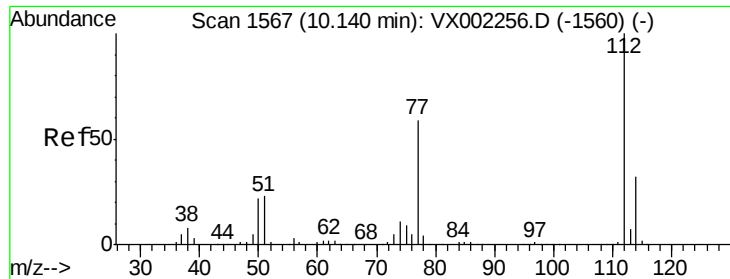
MMDadoda
6/14/2018 11:29:28 AM



#64
Tetrachloroethene
Concen: 47.848 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.9	154.3
129	91.9	68.6	102.8
131	88.3	66.8	100.2





#65

Chlorobenzene

Concen: 48.691 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 348502

Ion Ratio Lower Upper

112 100

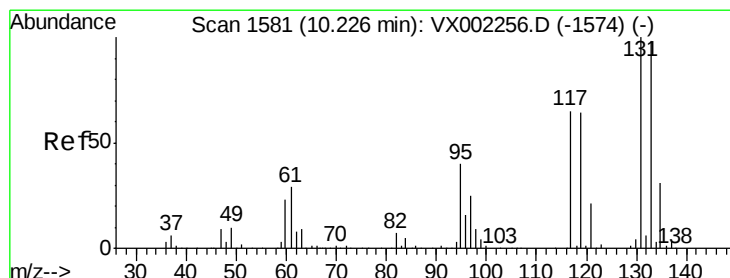
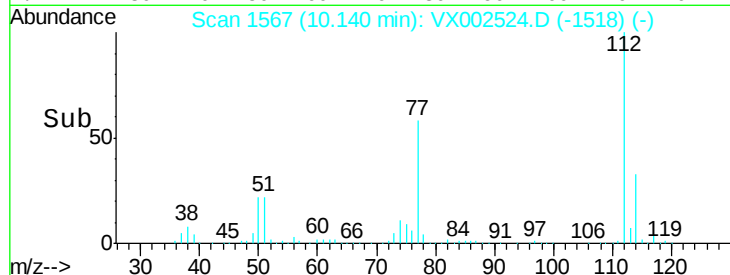
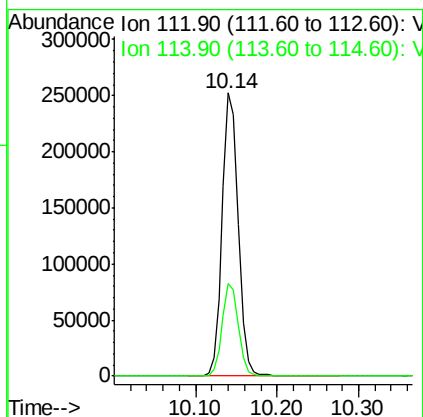
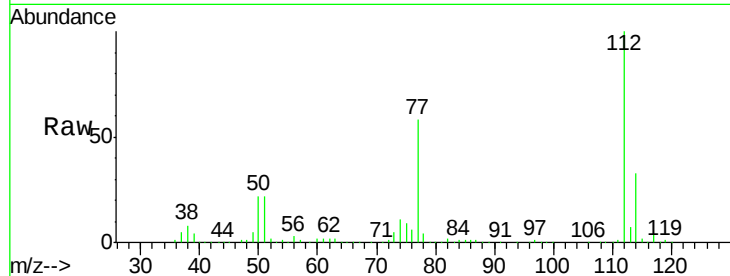
114 32.8 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.568 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

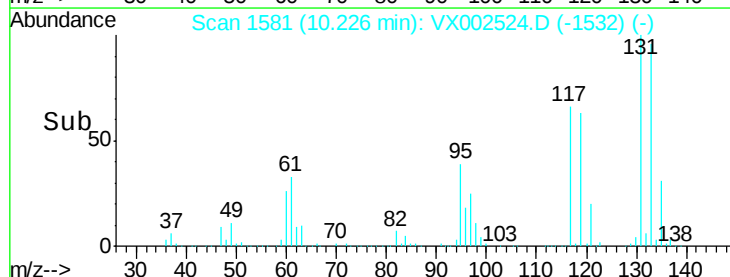
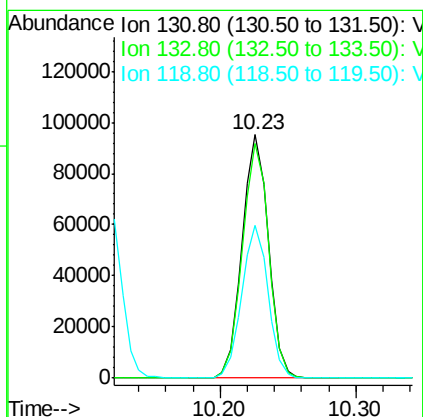
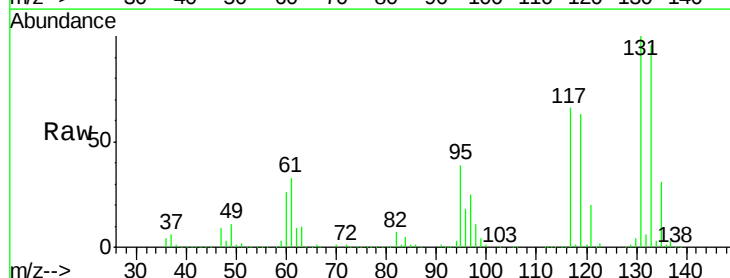
Tgt Ion:131 Resp: 128463

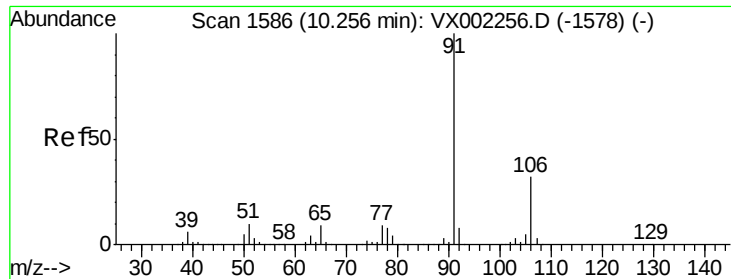
Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.6

119 62.5 31.8 95.3





#67

Ethyl Benzene

Concen: 49.872 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 597374

Ion Ratio Lower Upper

91 100

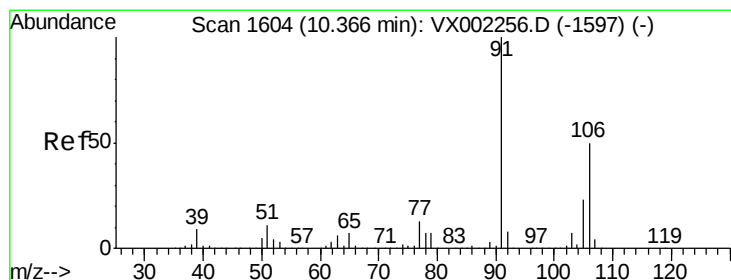
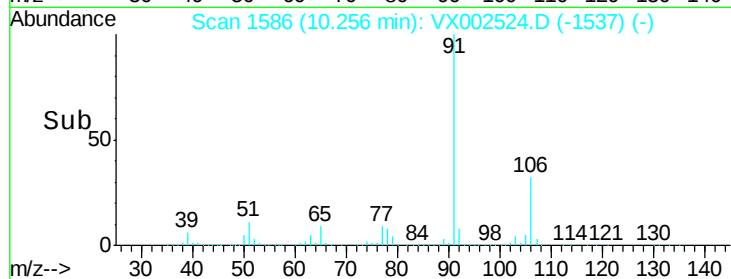
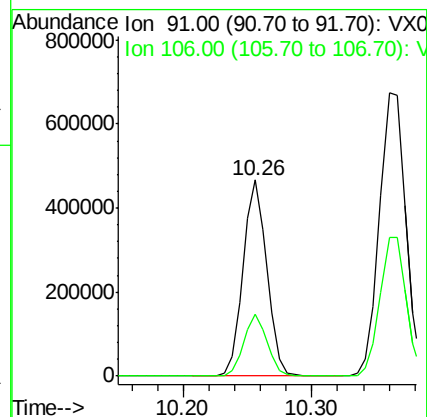
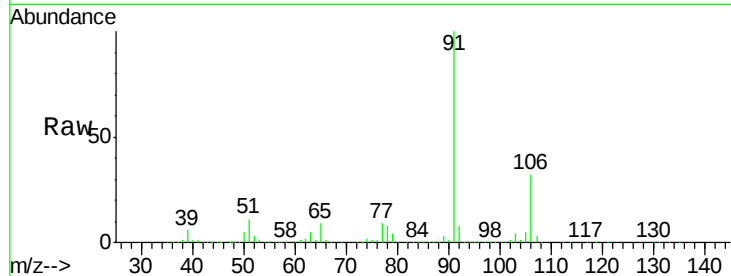
106 31.6 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 99.541 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002524.D

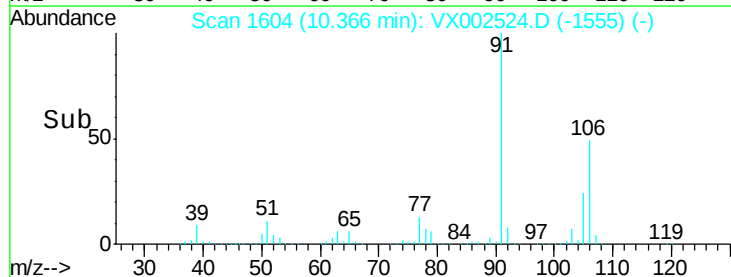
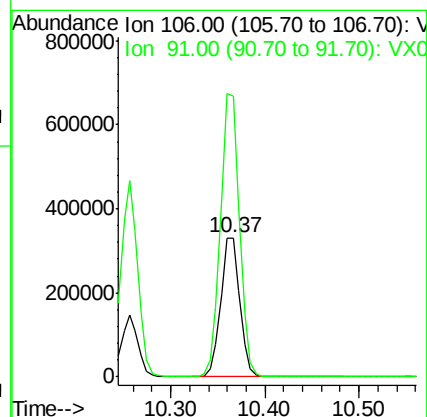
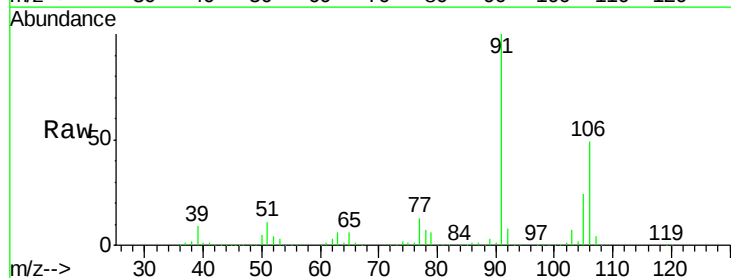
Acq: 13 Jun 2018 22:41

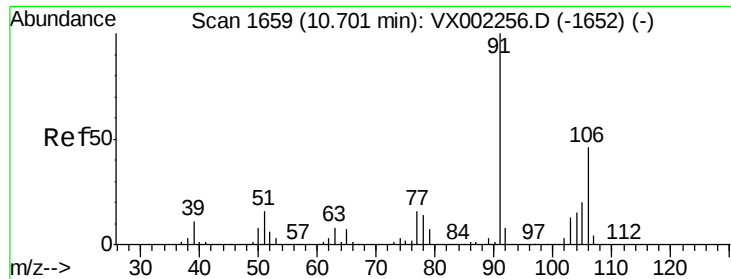
Tgt Ion: 106 Resp: 463482

Ion Ratio Lower Upper

106 100

91 204.2 163.4 245.2





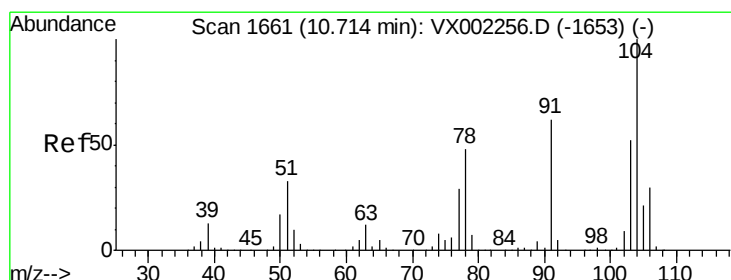
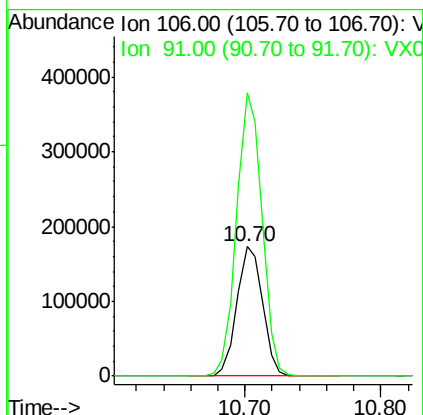
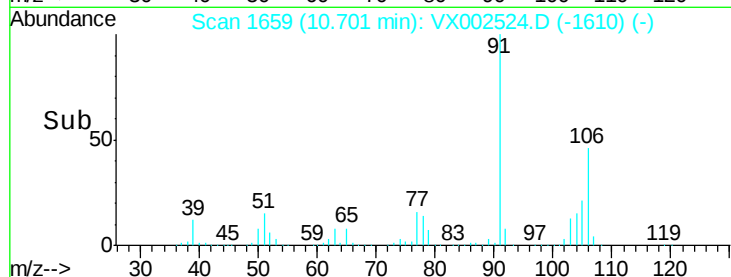
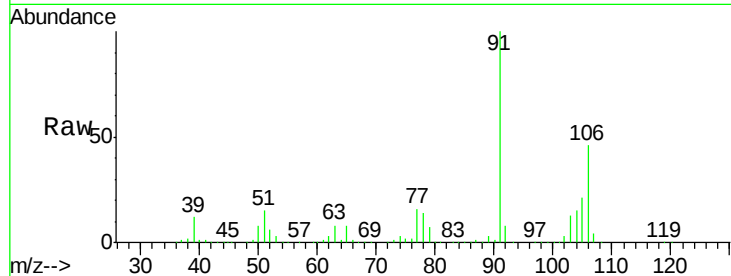
#69
o-Xylene
Concen: 49.330 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 228577
Ion Ratio Lower Upper
106 100
91 215.8 108.2 324.6

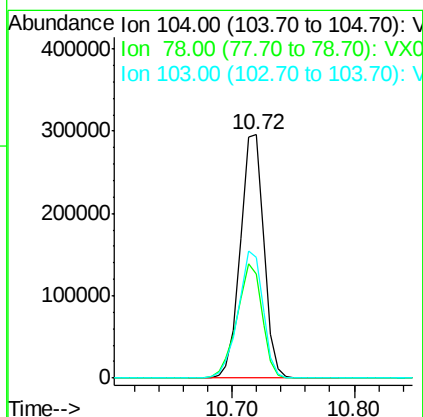
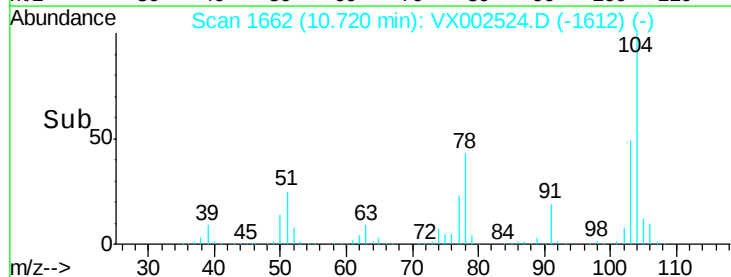
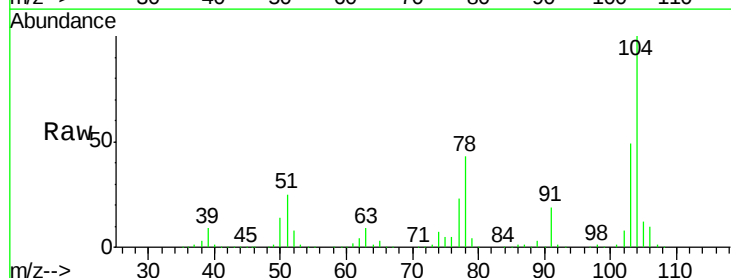
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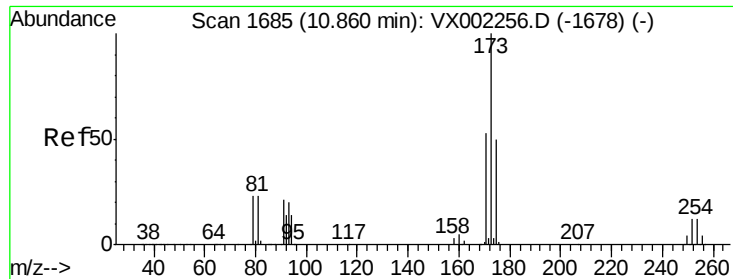
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#70
Styrene
Concen: 51.771 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion:104 Resp: 392165
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 43.726 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

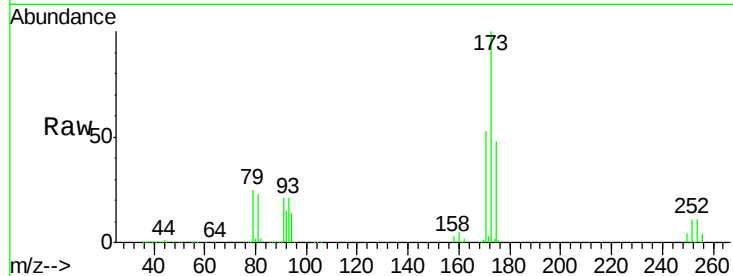
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
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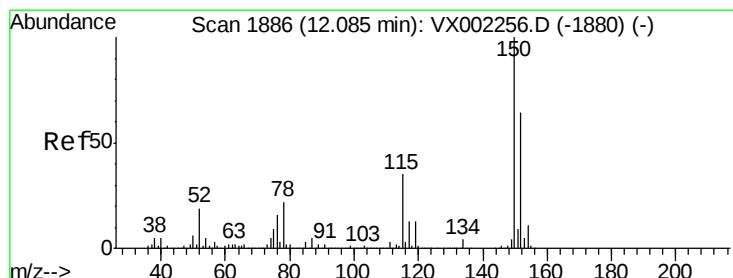
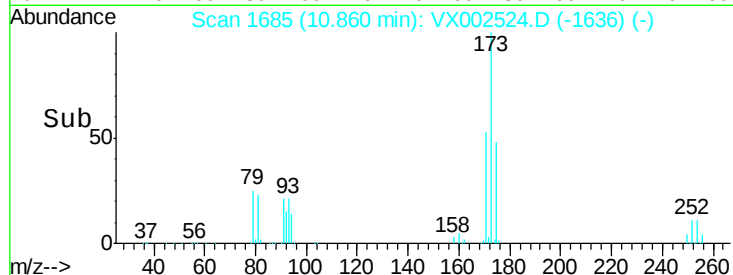
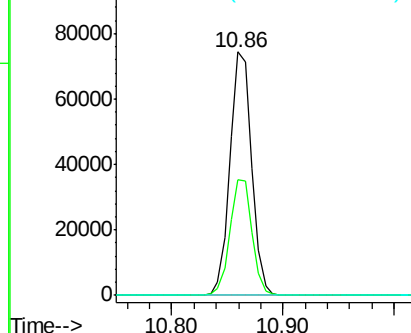


Abundance

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

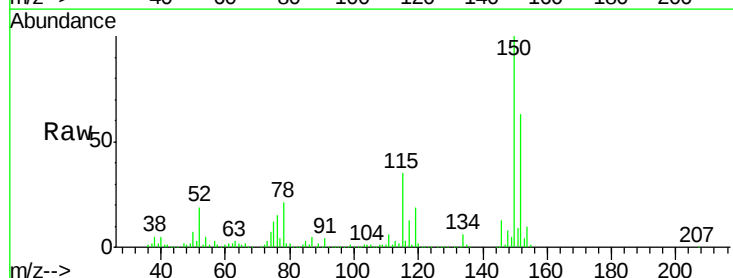
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.9	40.1	120.2
150	174.4	0.0	347.2

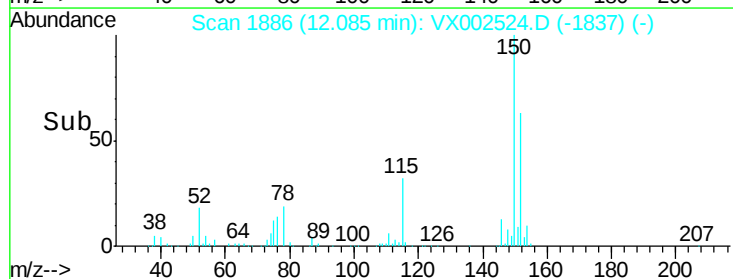
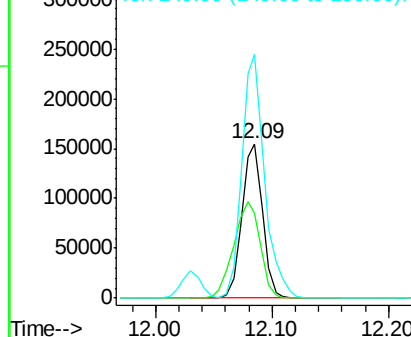


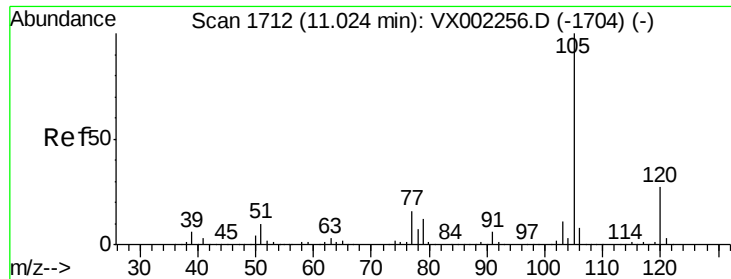
Abundance

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: 47.308 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 624392

Ion Ratio Lower Upper

105 100

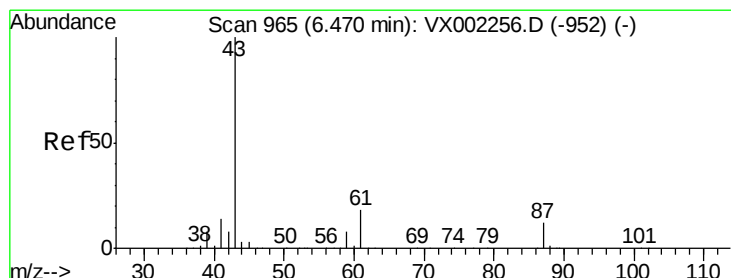
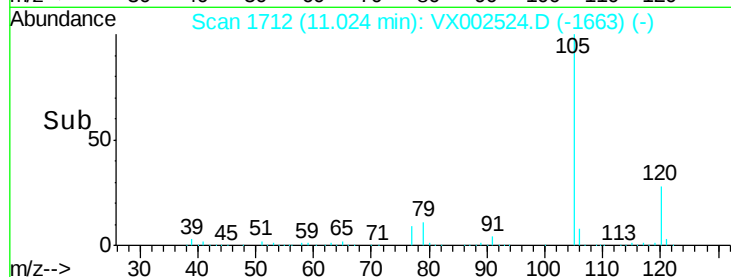
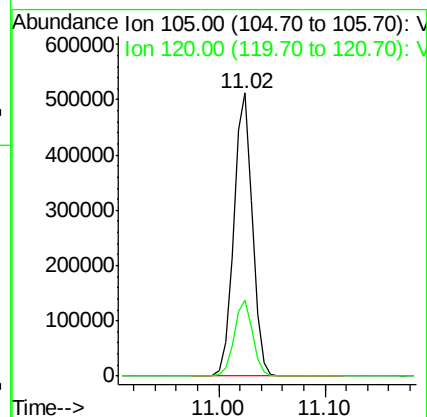
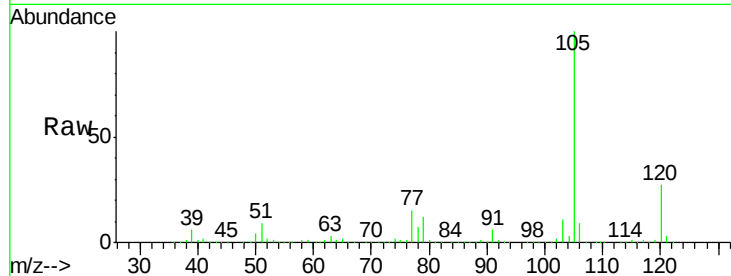
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 42.576 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion: 43 Resp: 302788

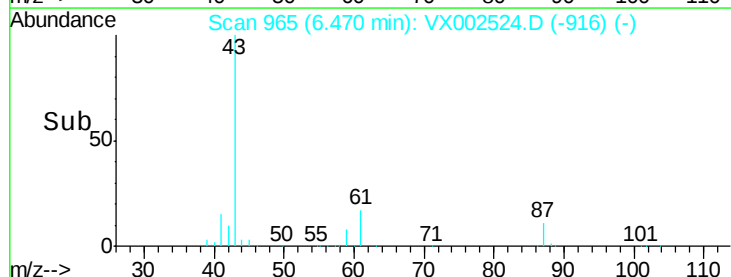
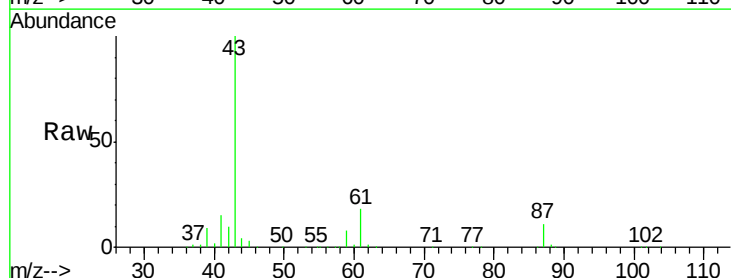
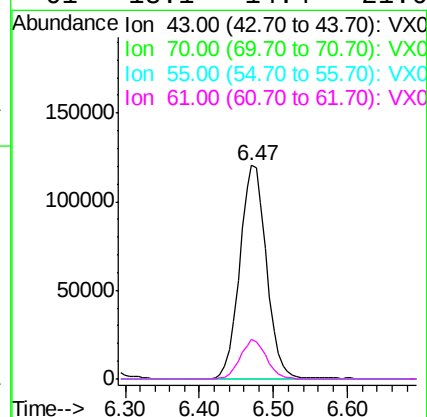
Ion Ratio Lower Upper

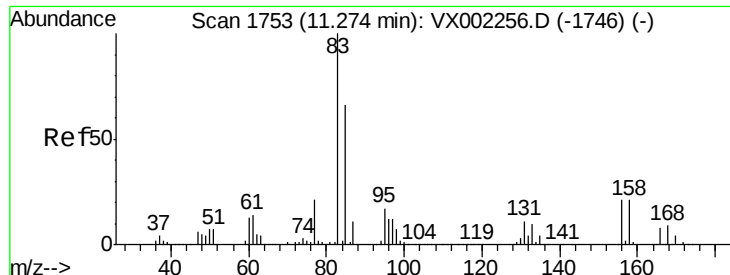
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.198 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

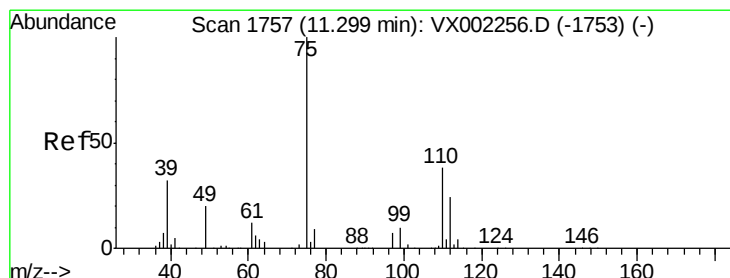
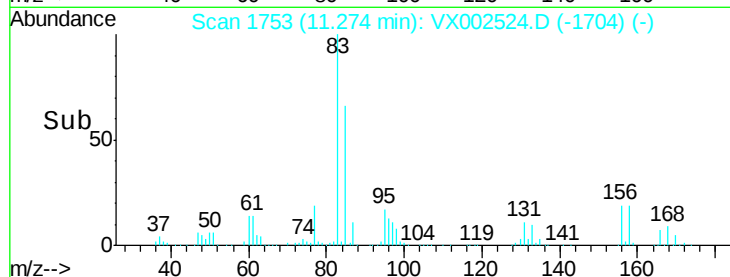
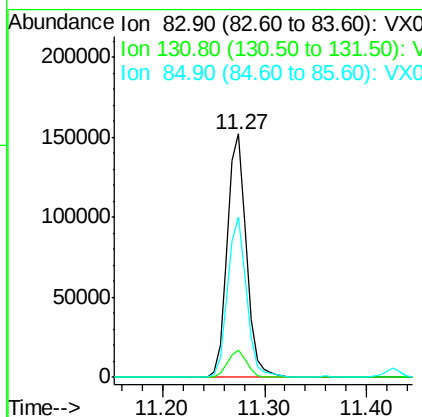
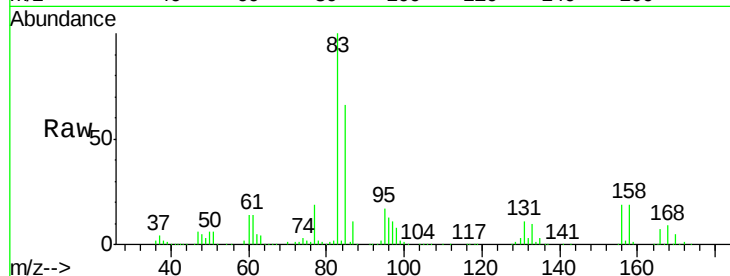
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195923
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	65.2	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.167 ug/l m

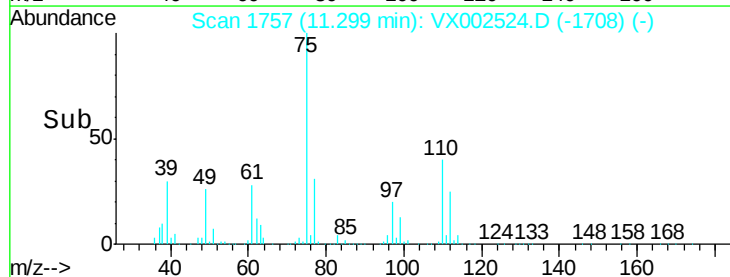
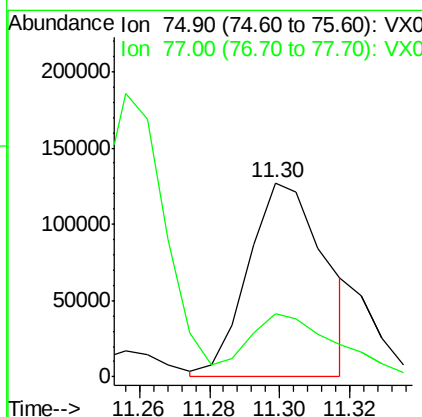
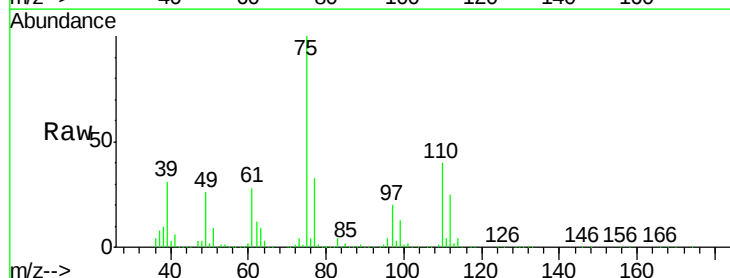
RT: 11.30 min Scan# 1757

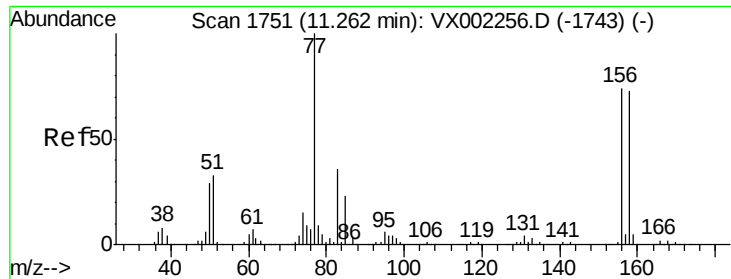
Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	75	Resp:	192201
Ion Ratio	Lower	Upper	
75	100		
77	37.9	22.8	68.3





#77

Bromobenzene

Concen: 46.296 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

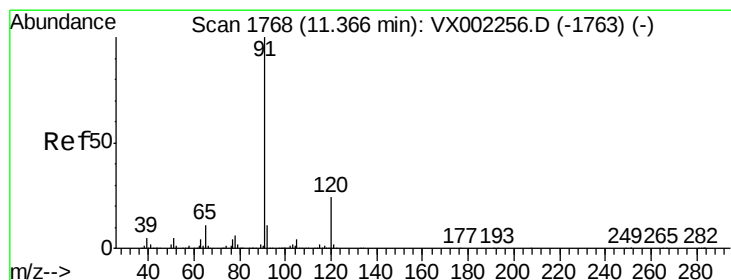
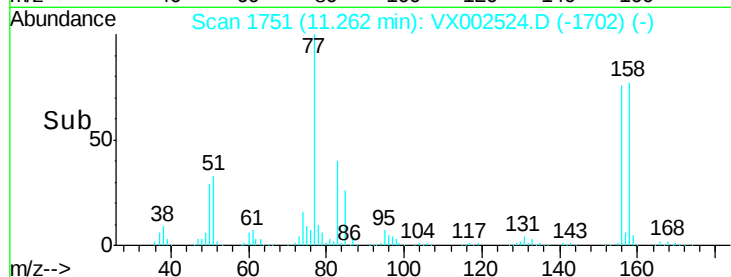
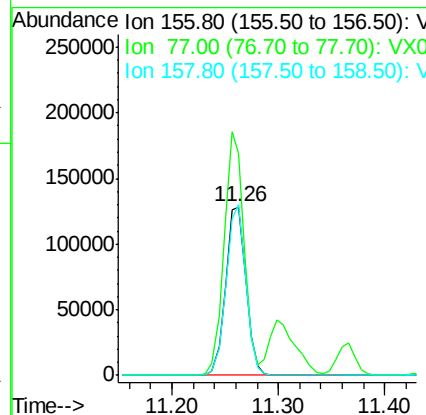
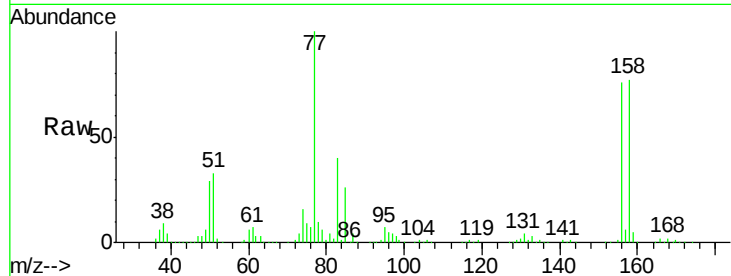
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	171544
Ion Ratio	Lower	Upper	
156	100		
77	140.4	71.4	214.2
158	98.1	48.9	146.6

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#78

n-propylbenzene

Concen: 48.754 ug/l

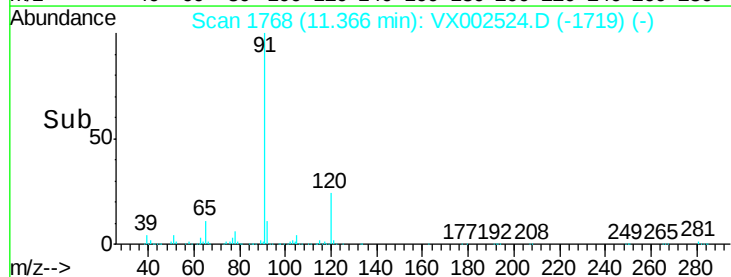
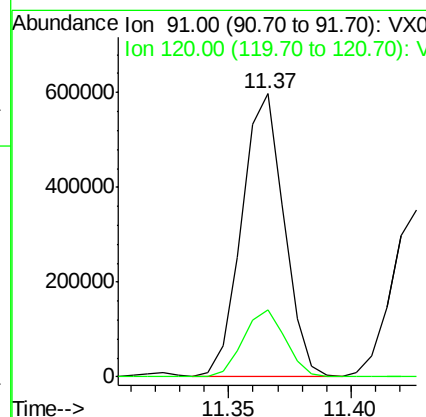
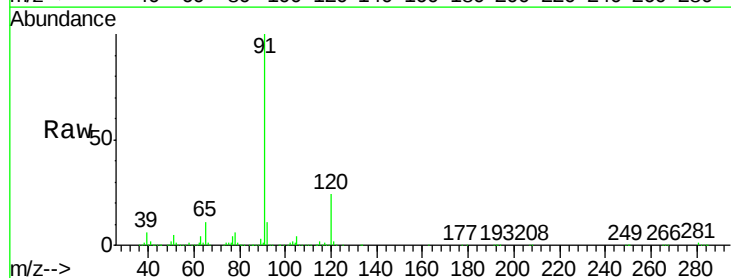
RT: 11.37 min Scan# 1768

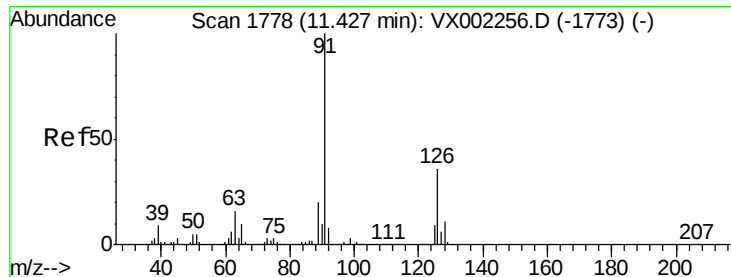
Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion:	91	Resp:	715208
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4





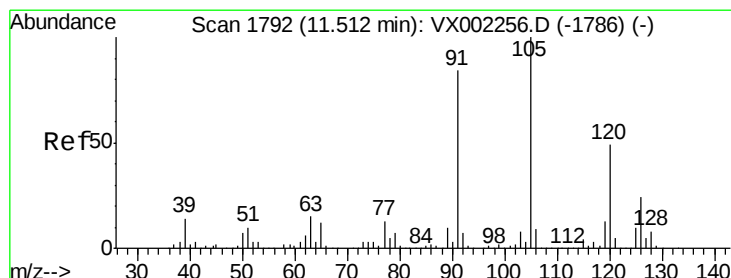
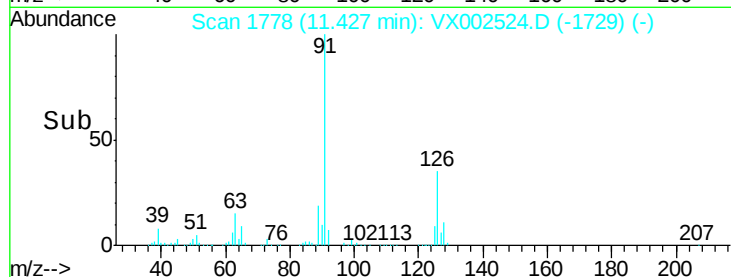
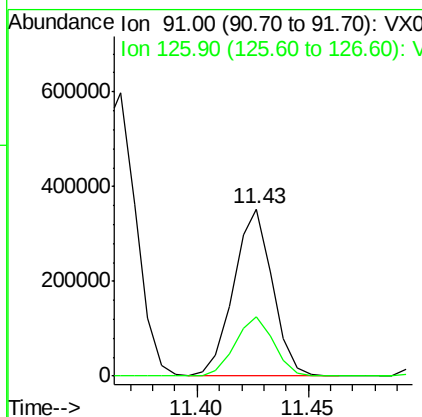
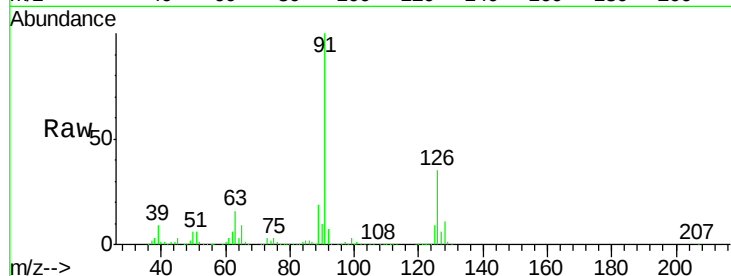
#79
2-Chlorotoluene
Concen: 45.903 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 425198
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

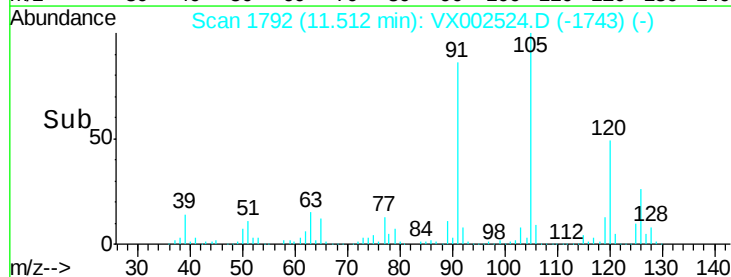
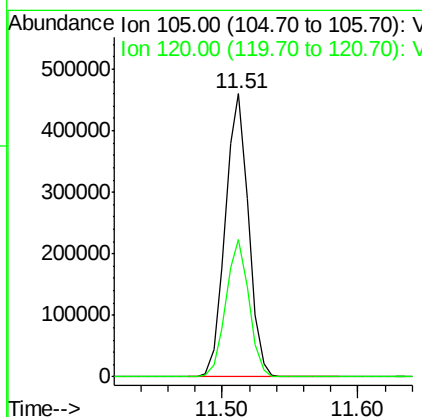
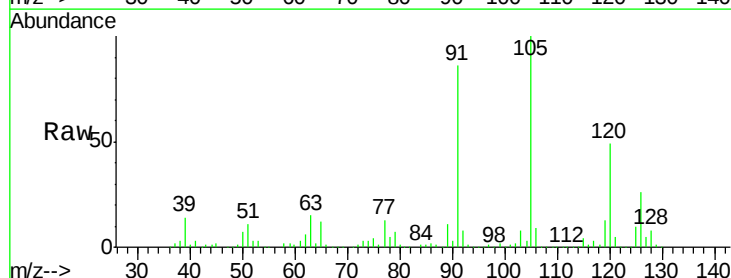
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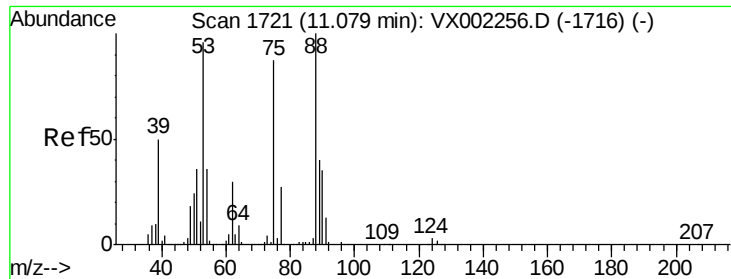
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#80
1,3,5-Trimethylbenzene
Concen: 47.907 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion: 105 Resp: 542332
Ion Ratio Lower Upper
105 100
120 48.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 40.453 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

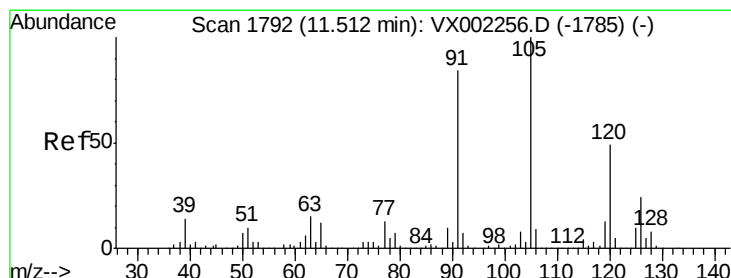
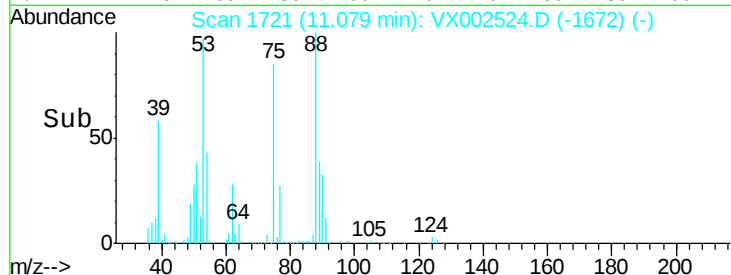
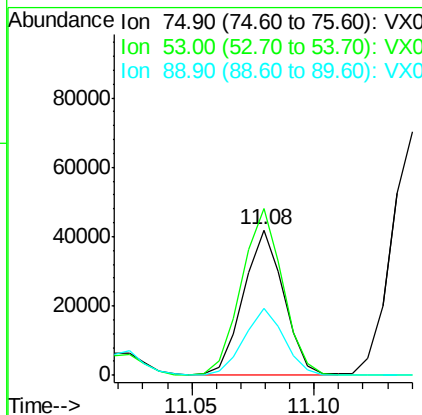
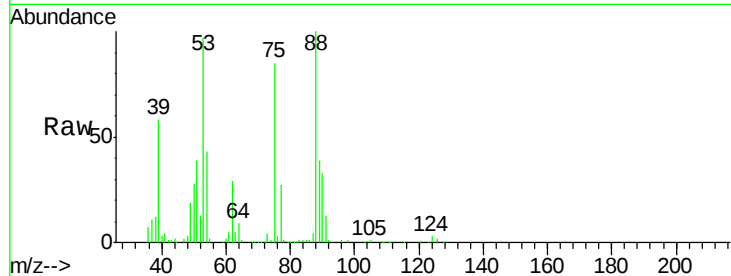
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	86.8	130.2
89	46.5	38.2	57.2

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#82

4-Chlorotoluene

Concen: 47.573 ug/l

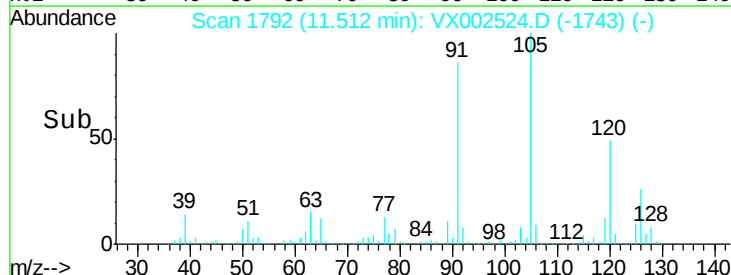
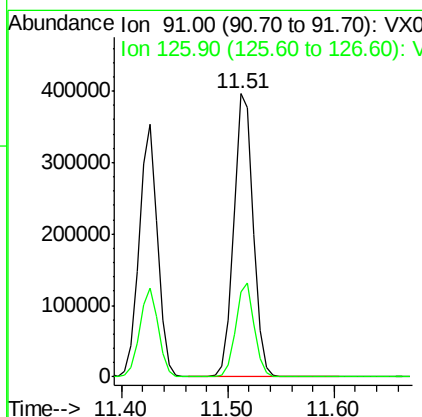
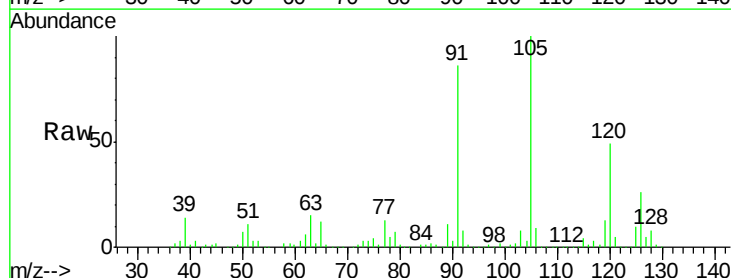
RT: 11.51 min Scan# 1792

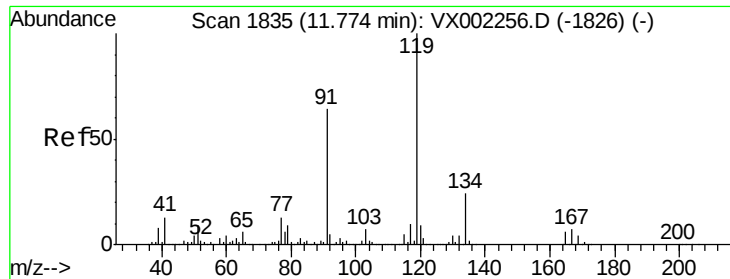
Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





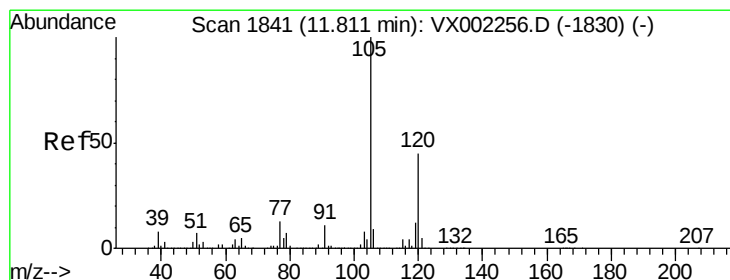
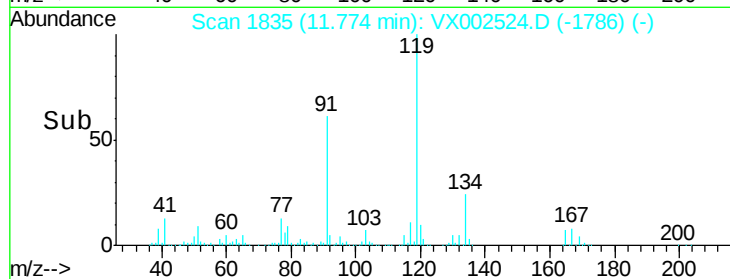
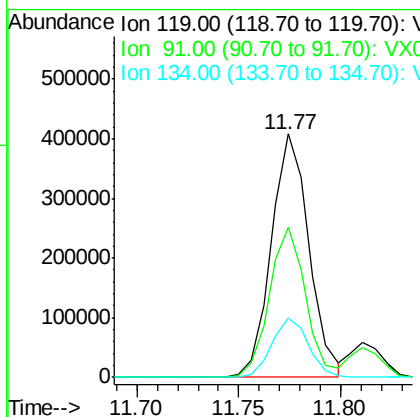
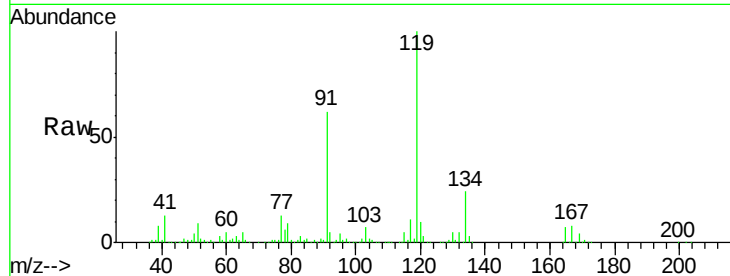
#83
 tert-Butylbenzene
 Concen: 47.607 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	90.9
134	23.8	11.7	35.1

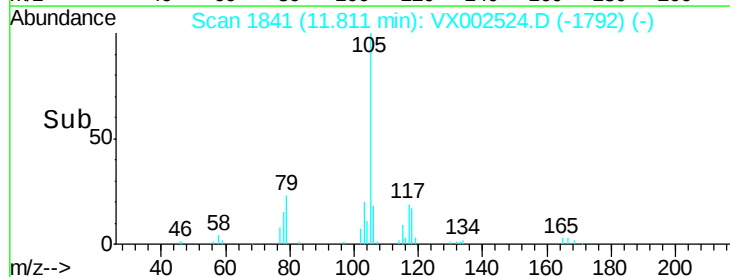
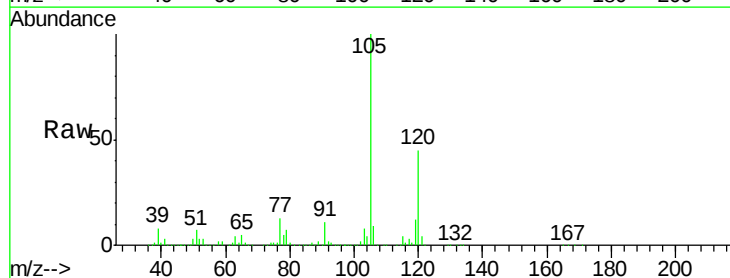
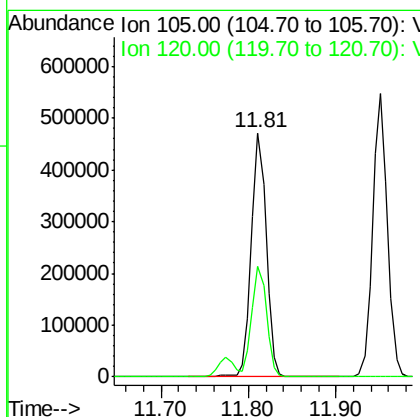
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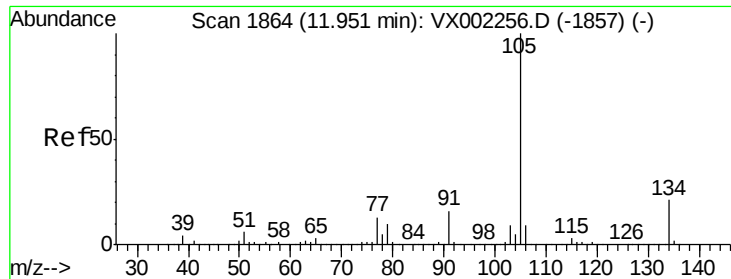
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.427 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 50.036 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 646645

Ion Ratio Lower Upper

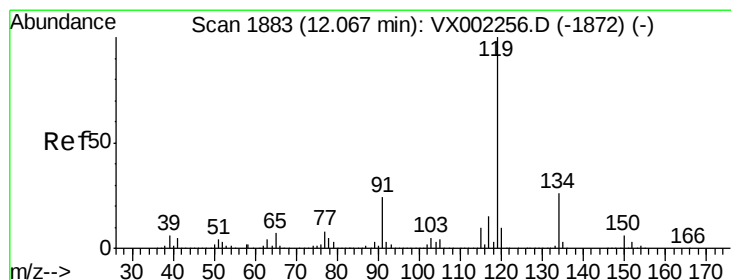
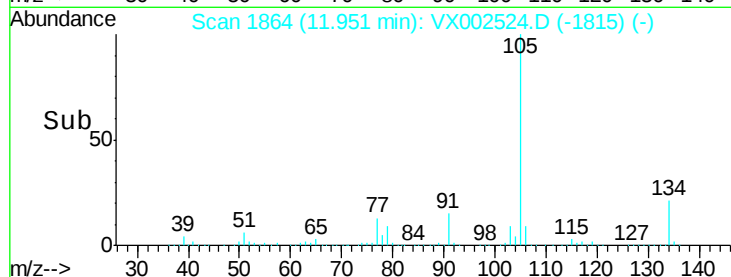
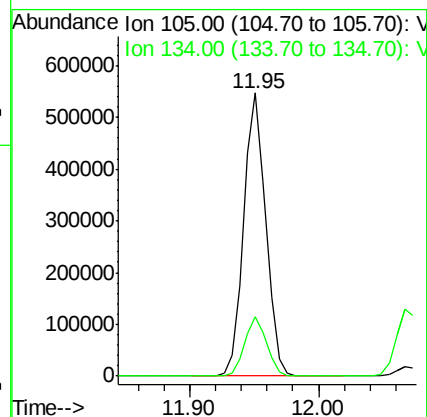
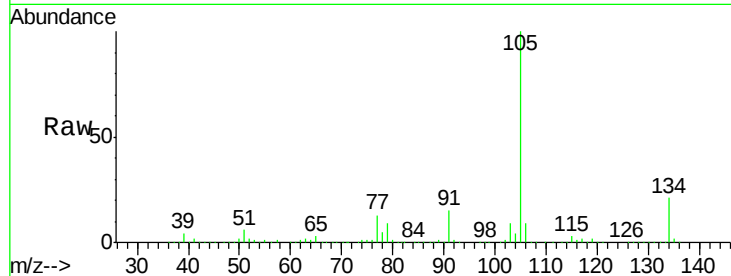
105 100

134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 49.665 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002524.D

Acq: 13 Jun 2018 22:41

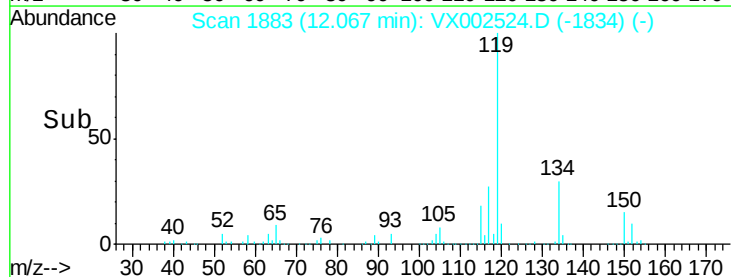
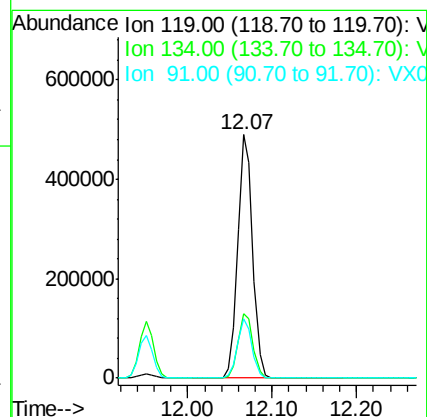
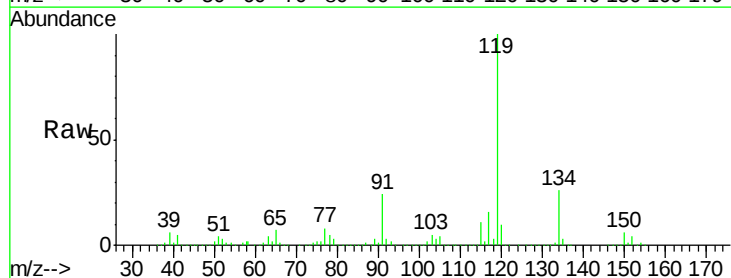
Tgt Ion:119 Resp: 584637

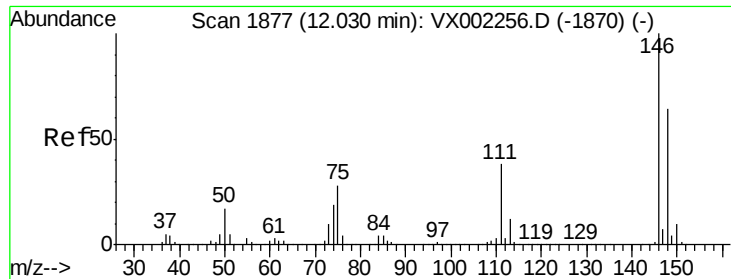
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.8 11.9 35.7





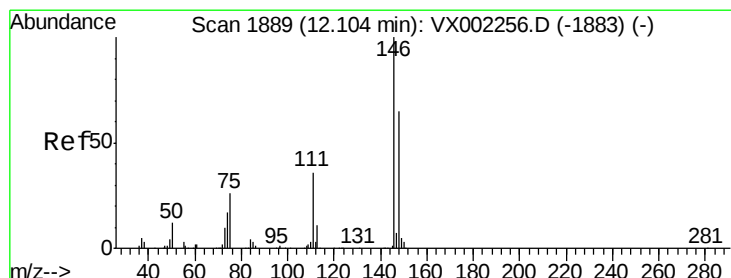
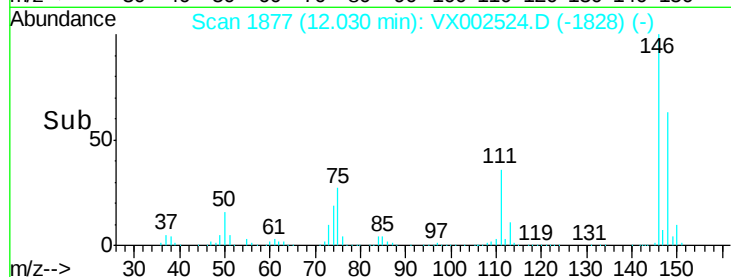
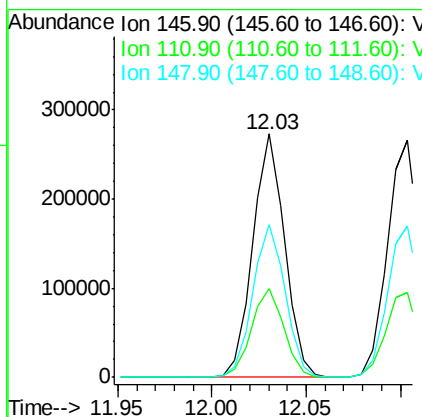
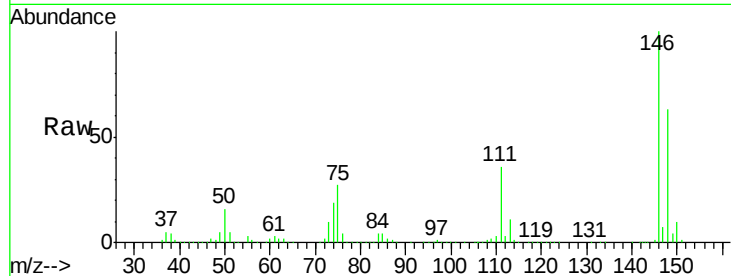
#87
 1,3-Dichlorobenzene
 Concen: 48.195 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.1	32.1	96.3

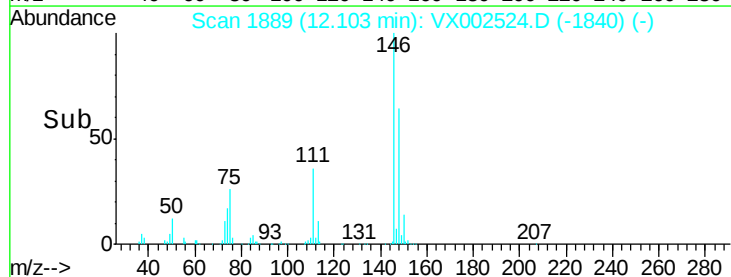
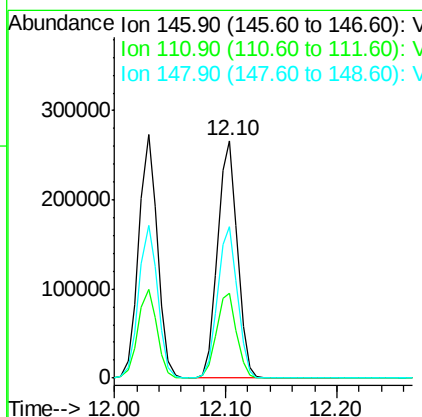
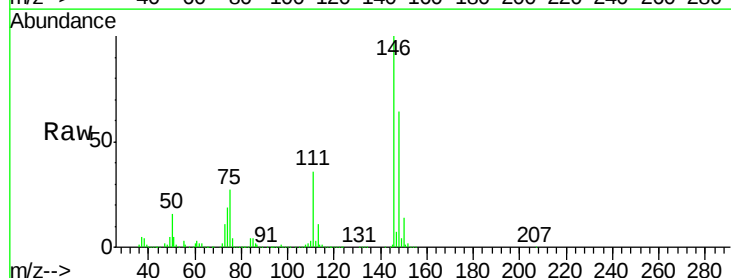
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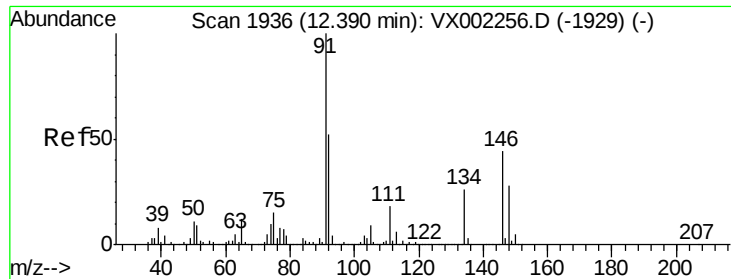
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#88
 1,4-Dichlorobenzene
 Concen: 47.910 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.1	32.4	97.0





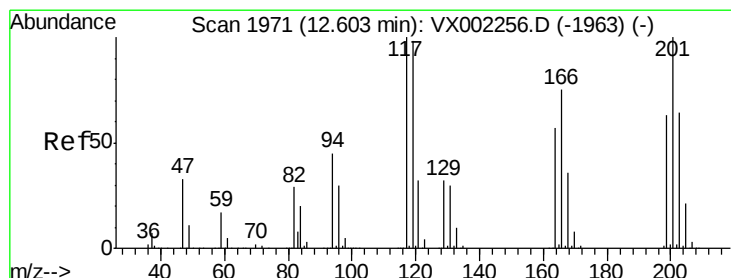
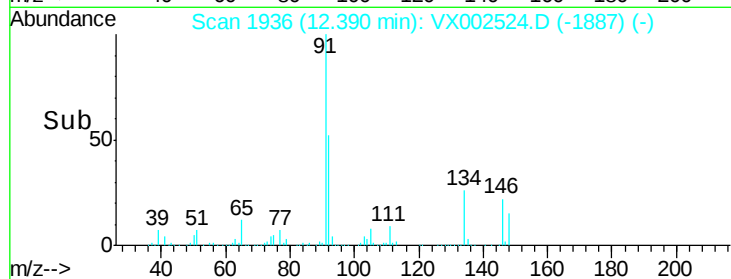
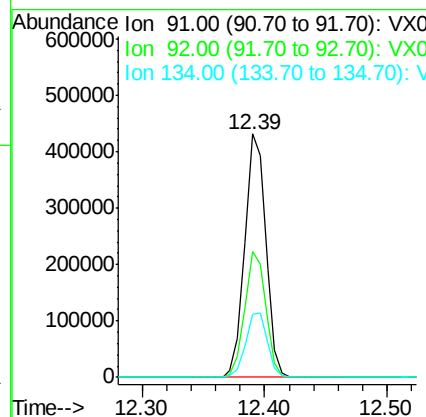
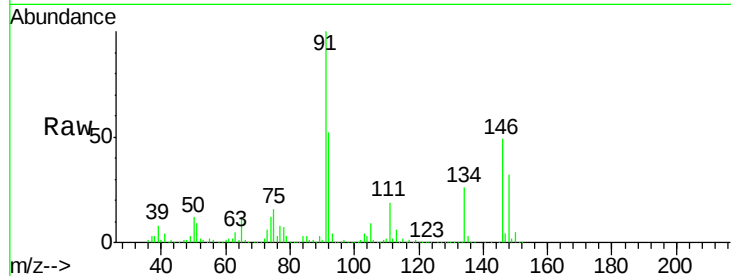
#89
n-Butylbenzene
Concen: 51.666 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.1	13.5	40.5

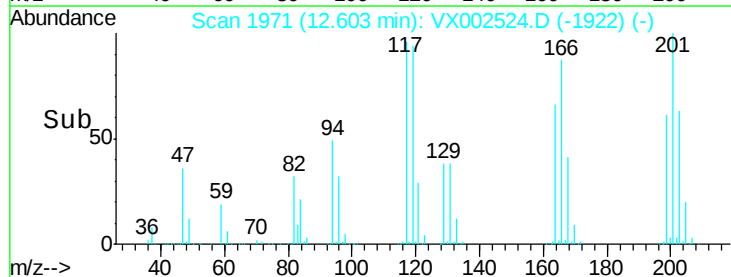
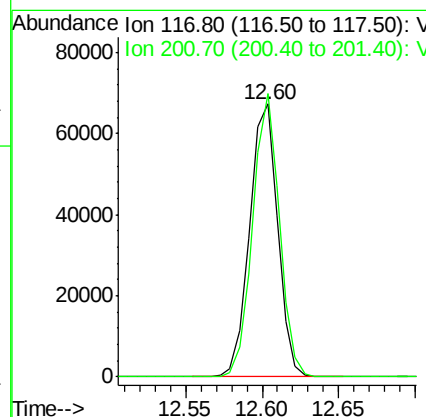
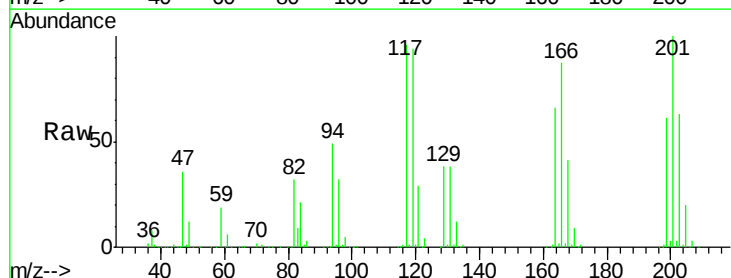
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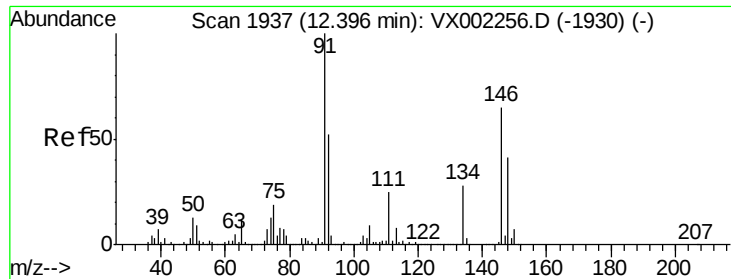
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#90
Hexachloroethane
Concen: 45.595 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	49.0	147.0





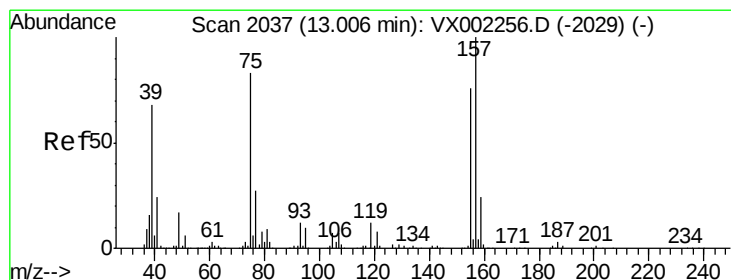
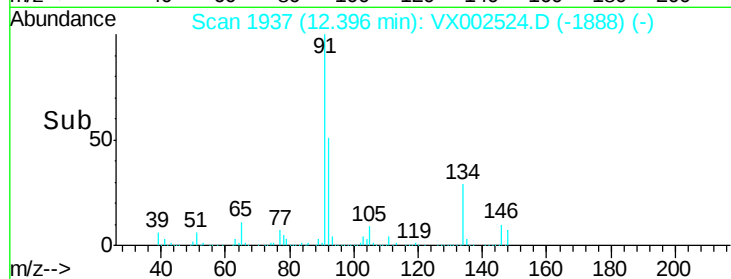
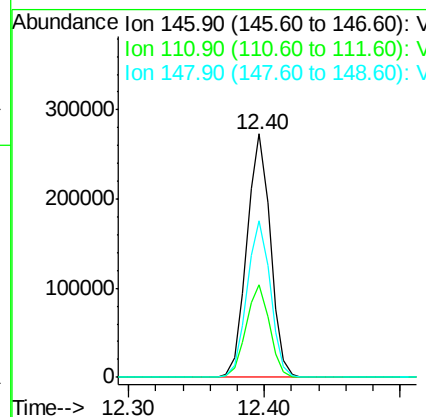
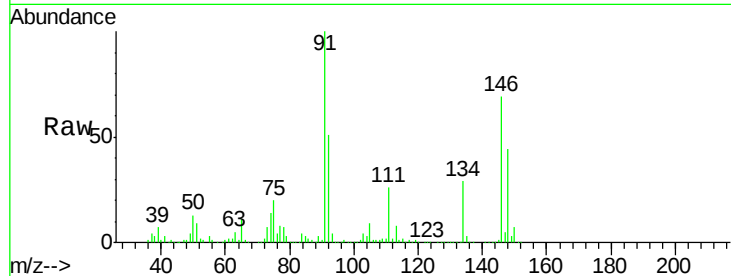
#91
 1,2-Dichlorobenzene
 Concen: 47.964 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	64.1	31.7	95.1

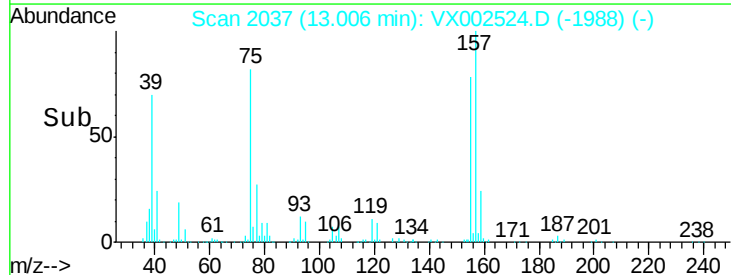
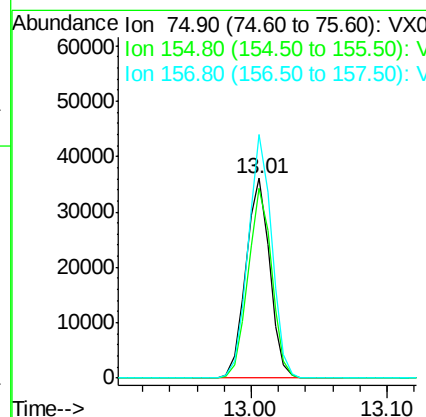
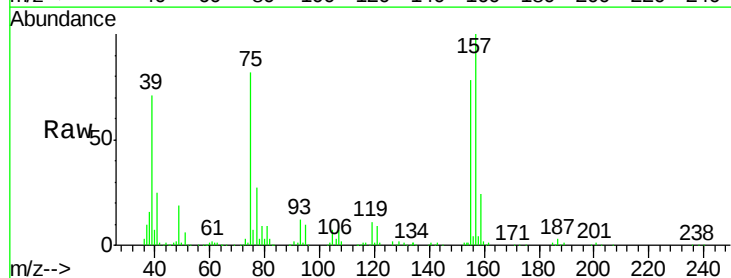
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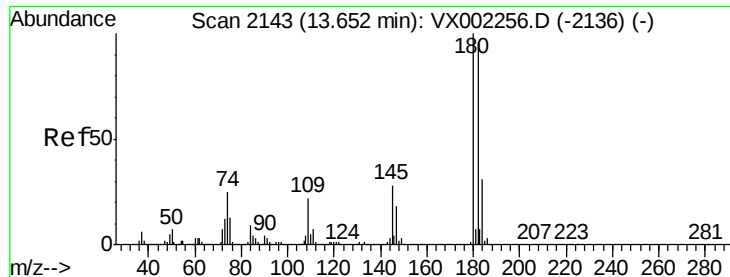
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.795 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	45.8	137.4
157	120.5	60.1	180.3





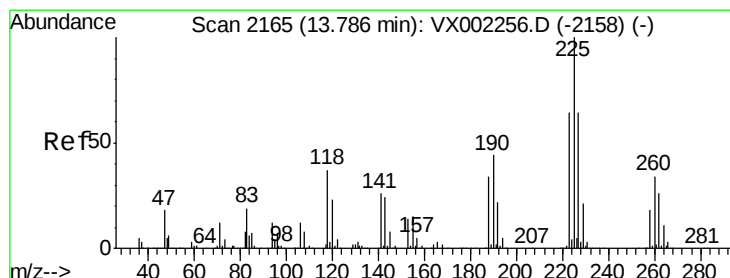
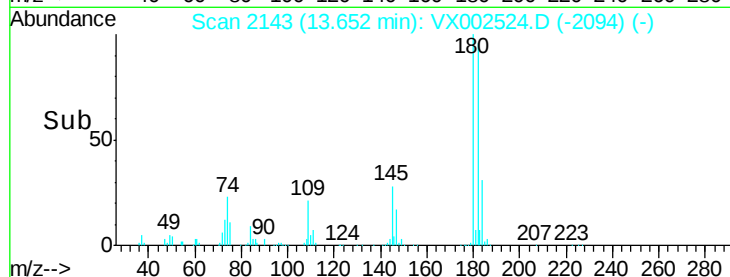
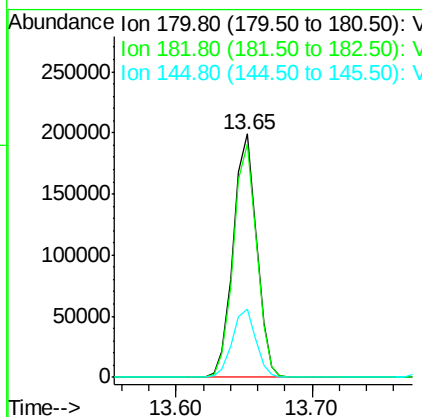
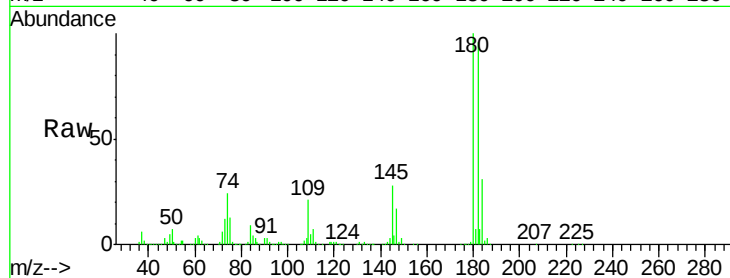
#93
 1,2,4-Trichlorobenzene
 Concen: 49.625 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238521		
182	95.8	47.7	143.1	
145	28.2	14.1	42.4	

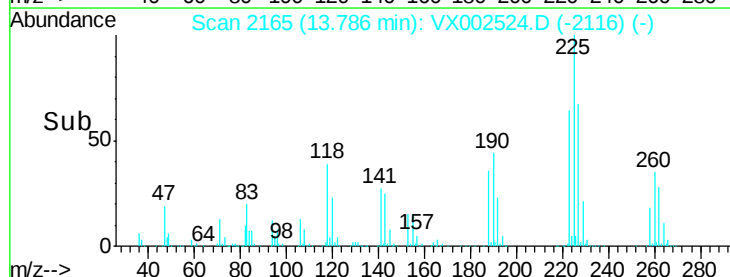
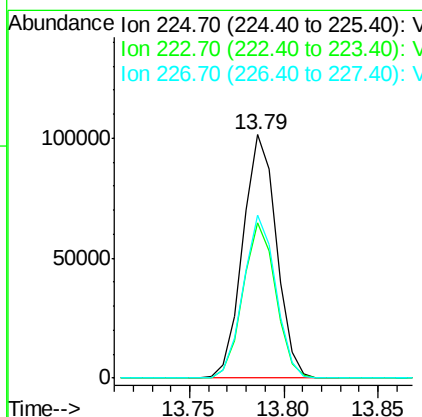
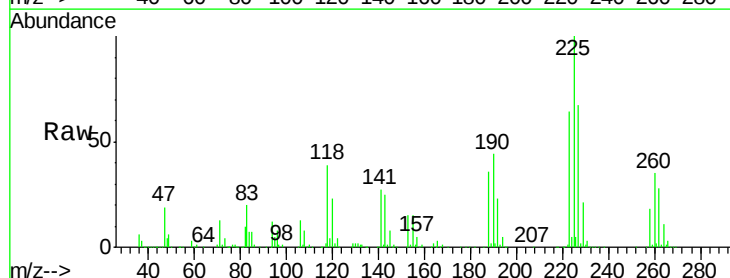
Manual Integrations
 APPROVED

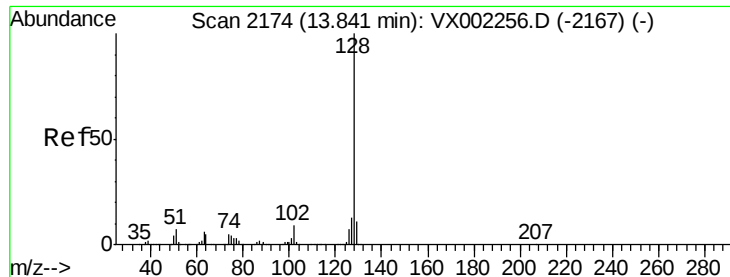
MMDadoda
 6/14/2018 11:29:28 AM



#94
 Hexachlorobutadiene
 Concen: 52.901 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002524.D
 Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125649		
223	61.9	31.6	95.0	
227	64.7	32.4	97.2	





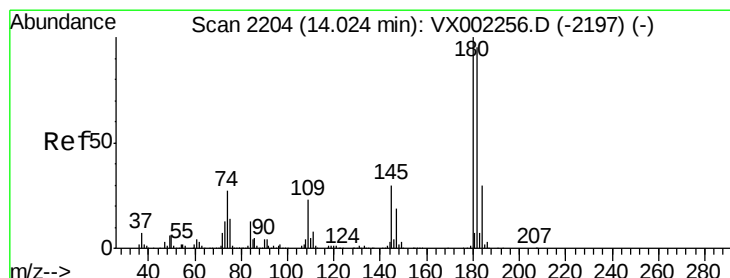
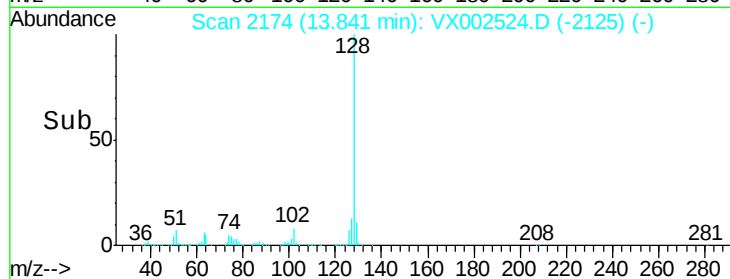
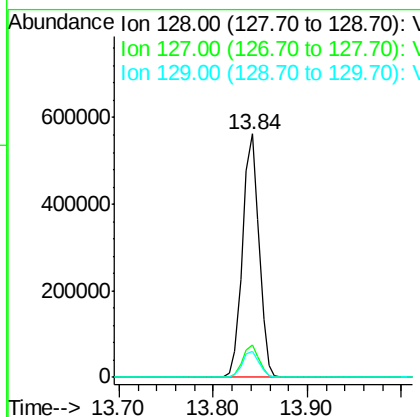
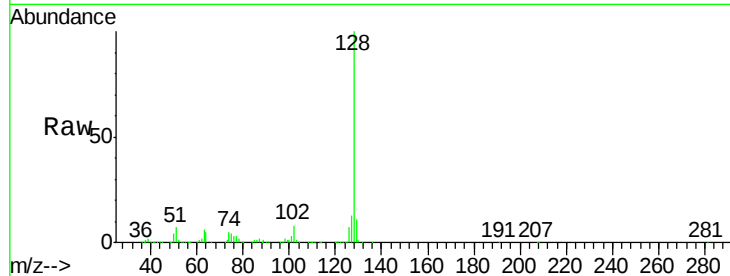
#95
Naphthalene
Concen: 49.563 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.252 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002524.D
Acq: 13 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.0
145	29.5	14.8	44.3

