

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002503.D
 Acq On : 13 Jun 2018 11:31
 Operator : JC/MD
 Sample : VX0613WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:23 AM

Quant Time: Jun 14 02:09:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	141889	60.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.20%	
35) Dibromofluoromethane	5.51	113	103472	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	8.72	98	377454	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.14	95	146984	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33436	19.255	ug/l	99
3) Chloromethane	1.33	50	42897	19.827	ug/l	100
4) Vinyl Chloride	1.41	62	44433	20.303	ug/l	97
5) Bromomethane	1.64	94	27985	20.636	ug/l	98
6) Chloroethane	1.73	64	31461	22.223	ug/l	100
7) Trichlorofluoromethane	1.93	101	75950	22.777	ug/l	100
8) Diethyl Ether	2.19	74	34698	28.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44551	24.758	ug/l	98
10) Methyl Iodide	2.51	142	36322	14.351	ug/l	97
11) Tert butyl alcohol	3.07	59	72046	138.322	ug/l	99
12) 1,1-Dichloroethene	2.38	96	38166	21.462	ug/l	100
13) Acrolein	2.29	56	22578	88.906	ug/l	98
14) Allyl chloride	2.73	41	86573	22.433	ug/l	99
15) Acrylonitrile	3.15	53	153506	147.001	ug/l	100
16) Acetone	2.45	43	157521	145.300	ug/l	100
17) Carbon Disulfide	2.57	76	76288	16.277	ug/l	97
18) Methyl Acetate	2.78	43	75915	30.680	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	181467	28.264	ug/l	100
20) Methylene Chloride	2.86	84	54084	27.385	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	43231	22.045	ug/l	95
22) Diisopropyl ether	3.87	45	188231	28.558	ug/l	94
23) Vinyl Acetate	3.83	43	839533	134.192	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93758	24.581	ug/l	99
25) 2-Butanone	4.71	43	195382	119.290	ug/l	99
26) 2,2-Dichloropropane	4.59	77	57706	19.354	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	47875	22.448	ug/l	96
28) Bromochloromethane	5.03	49	42159	24.148	ug/l	99
29) Tetrahydrofuran	5.17	42	122504	116.008	ug/l	99
30) Chloroform	5.22	83	85445	23.215	ug/l	96
31) Cyclohexane	5.58	56	58727	19.471	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	64508	20.666	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51914	19.135	ug/l	98
37) Ethyl Acetate	4.86	43	75695	23.200	ug/l	100
38) Carbon Tetrachloride	5.79	117	54343	19.147	ug/l	96

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Manual Integrations
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MMDadoda
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 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)
39) Methylcyclohexane	7.46	83	59917	18.045	ug/l	97
40) Benzene	6.15	78	175873	21.142	ug/l	100
41) Methacrylonitrile	5.06	41	42805	22.918	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76846	23.251	ug/l	100
43) Isopropyl Acetate	6.47	43	122660	22.134	ug/l	100
44) Trichloroethene	7.21	130	48236	20.893	ug/l	91
45) 1,2-Dichloropropane	7.52	63	50799	22.620	ug/l	99
46) Dibromomethane	7.67	93	34853	22.894	ug/l	97
47) Bromodichloromethane	7.90	83	60775	22.073	ug/l	96
48) Methyl methacrylate	7.78	41	64842	23.294	ug/l	99
49) 1,4-Dioxane	7.76	88	24405	468.897	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	413500	119.818	ug/l	99
52) Toluene	8.79	92	114385	21.620	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	71366	21.614	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	65577	21.051	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	52256	24.014	ug/l	98
56) Ethyl methacrylate	9.18	69	79092	22.766	ug/l	98
57) 1,3-Dichloropropane	9.38	76	87183	23.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	164145	102.084	ug/l	99
59) 2-Hexanone	9.50	43	317745	119.201	ug/l	99
60) Dibromochloromethane	9.59	129	48280	22.058	ug/l	99
61) 1,2-Dibromoethane	9.68	107	52976	23.349	ug/l	99
64) Tetrachloroethene	9.34	164	53812	19.991	ug/l	98
65) Chlorobenzene	10.14	112	138679	21.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	49691	21.130	ug/l	99
67) Ethyl Benzene	10.26	91	222031	20.428	ug/l	99
68) m/p-Xylenes	10.36	106	172865	40.914	ug/l	99
69) o-Xylene	10.70	106	86417	20.553	ug/l	99
70) Styrene	10.71	104	146946	21.379	ug/l	99
71) Bromoform	10.86	173	35921	19.334	ug/l #	98
73) Isopropylbenzene	11.02	105	223919	19.542	ug/l	100
74) N-amyl acetate	6.47	43	122660	19.867	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	77778	21.582	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78683m	21.770	ug/l	
77) Bromobenzene	11.26	156	66113	20.552	ug/l	98
78) n-propylbenzene	11.37	91	258818	20.322	ug/l	100
79) 2-Chlorotoluene	11.43	91	161569	20.091	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	194862	19.827	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17717	17.183	ug/l #	84
82) 4-Chlorotoluene	11.51	91	190459	20.519	ug/l	99
83) tert-Butylbenzene	11.77	119	185734	19.407	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	206147	20.376	ug/l	99
85) sec-Butylbenzene	11.95	105	225768	20.122	ug/l	100
86) p-Isopropyltoluene	12.07	119	206512	20.207	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	120569	20.962	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	123996	20.915	ug/l	100
89) n-Butylbenzene	12.39	91	178558	20.832	ug/l	99
90) Hexachloroethane	12.60	117	27991	17.158	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	125944	21.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15737	19.969	ug/l	99

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ClientSampleId :
VX0613WBS01

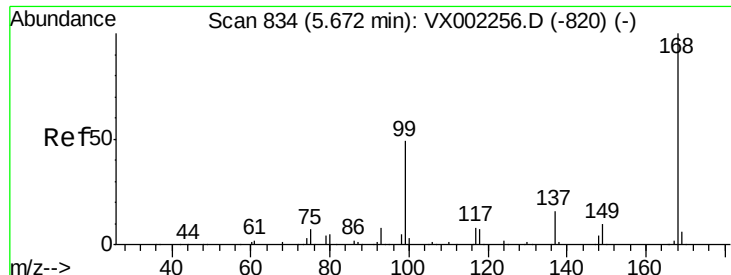
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
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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	90778	21.755	ug/l	99
94) Hexachlorobutadiene	13.79	225	41728	20.237	ug/l	97
95) Naphthalene	13.84	128	261253	21.790	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	92849	21.818	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:168 Resp: 167045

Ion Ratio Lower Upper

168 100

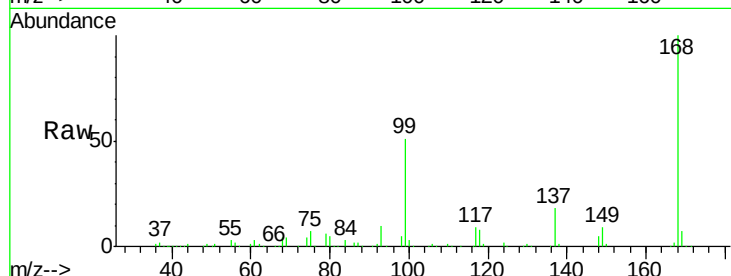
99 51.1 39.3 58.9

Manual Integrations

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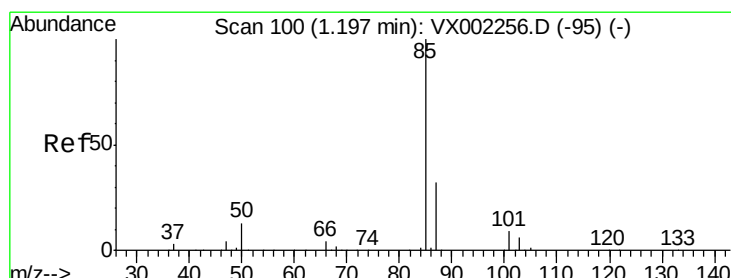
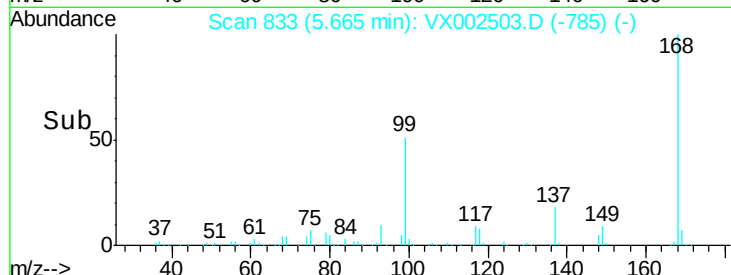
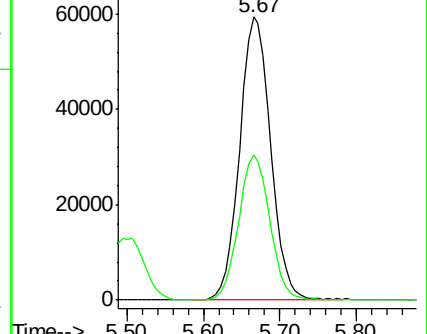
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.255 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002503.D

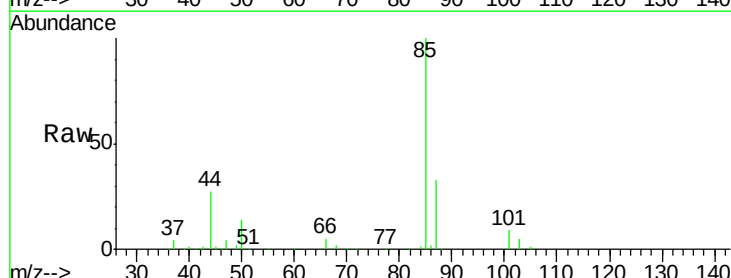
Acq: 13 Jun 2018 11:31

Tgt Ion: 85 Resp: 33436

Ion Ratio Lower Upper

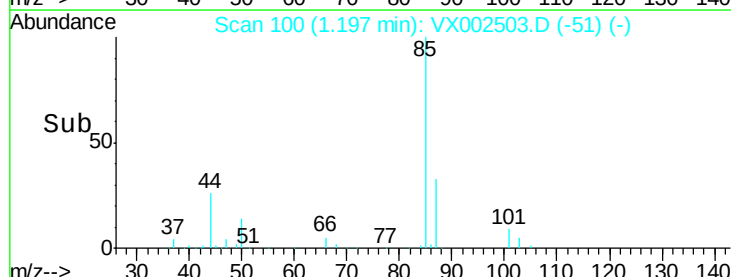
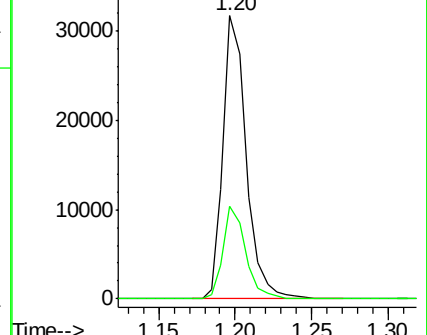
85 100

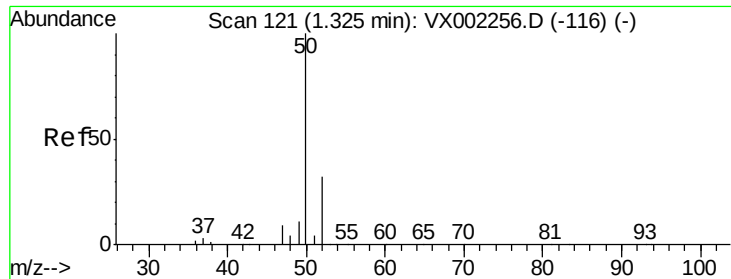
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.827 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 50 Resp: 42897

Ion Ratio Lower Upper

50 100

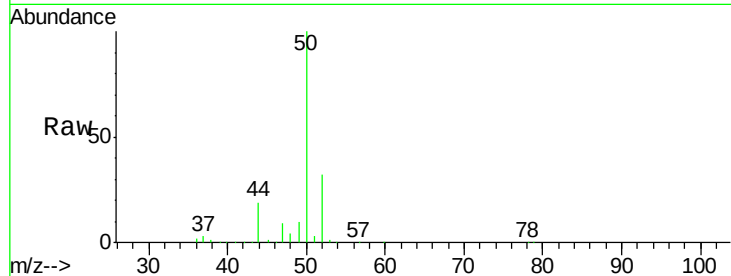
52 32.0 25.7 38.5

Manual Integrations

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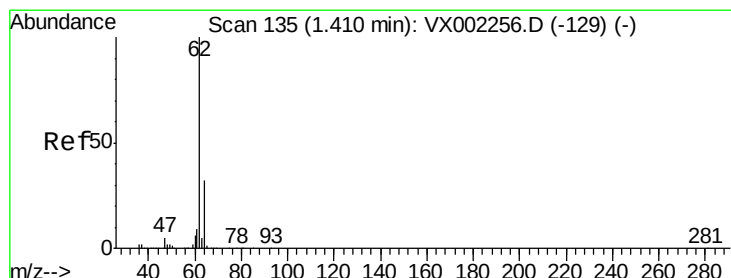
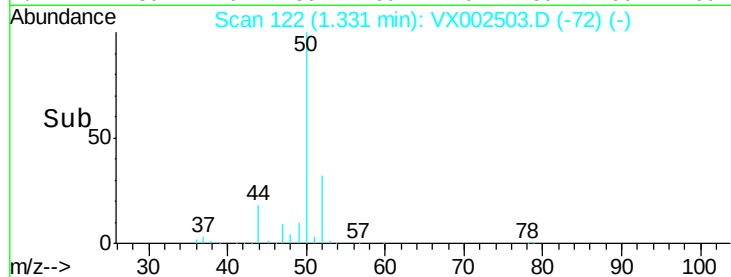
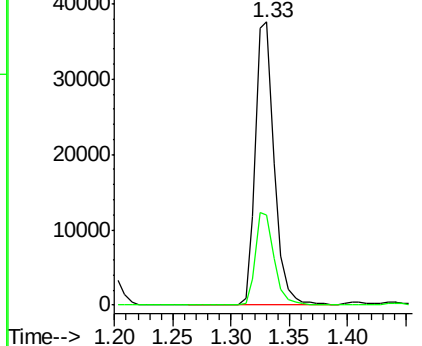
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.303 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002503.D

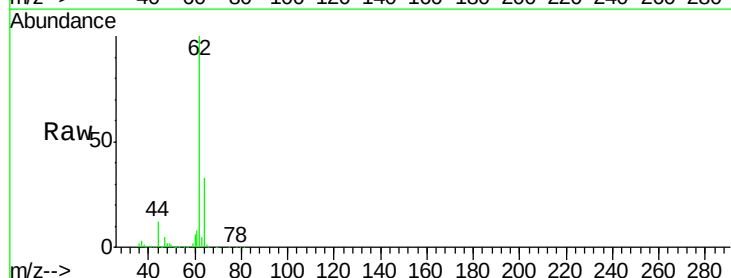
Acq: 13 Jun 2018 11:31

Tgt Ion: 62 Resp: 44433

Ion Ratio Lower Upper

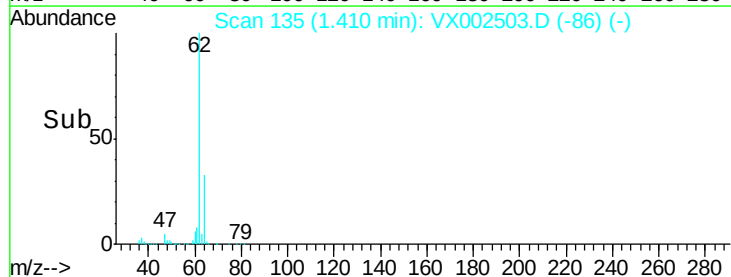
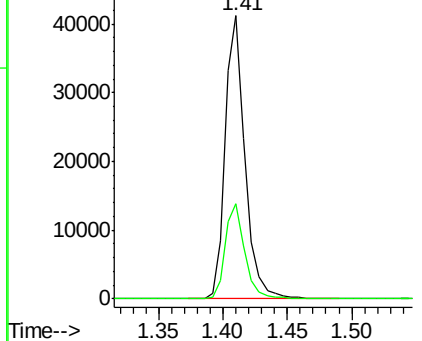
62 100

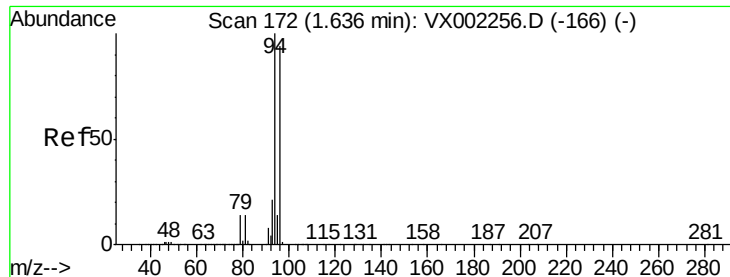
64 33.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.636 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 94 Resp: 27985

Ion Ratio Lower Upper

94 100

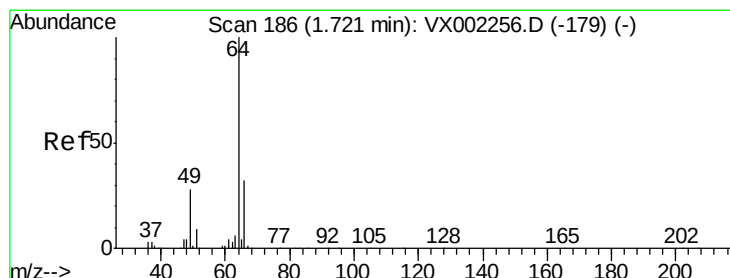
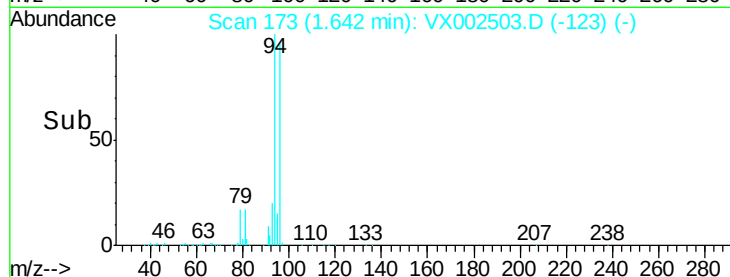
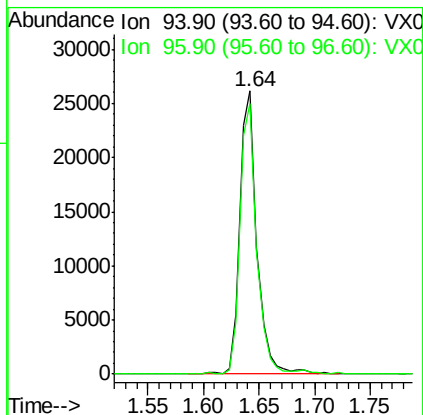
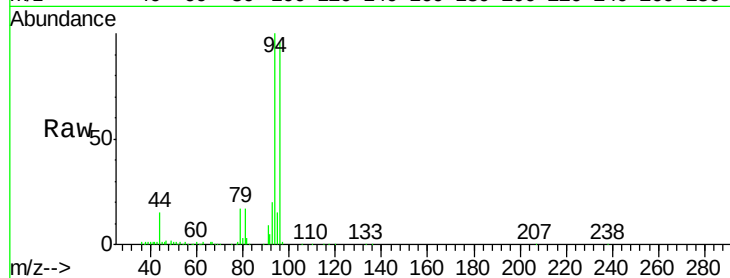
96 95.5 74.9 112.3

Manual Integrations

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6/14/2018 11:29:23 AM



#6

Chloroethane

Concen: 22.223 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002503.D

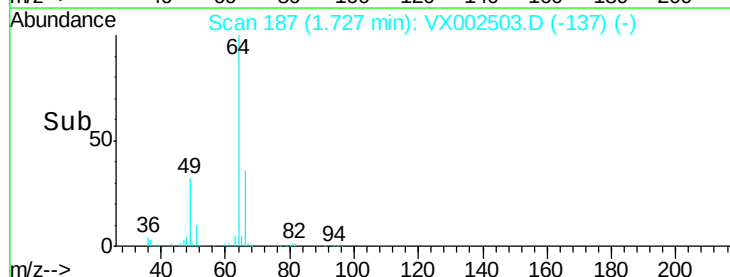
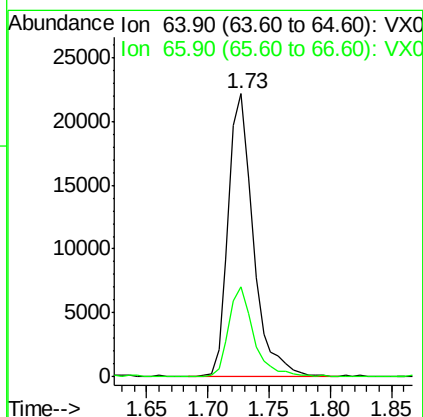
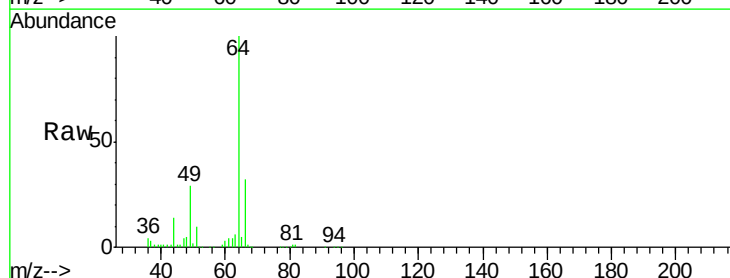
Acq: 13 Jun 2018 11:31

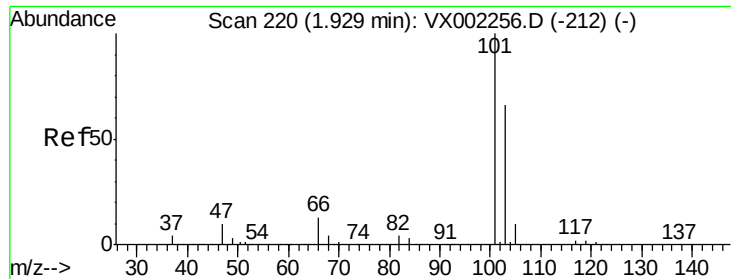
Tgt Ion: 64 Resp: 31461

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

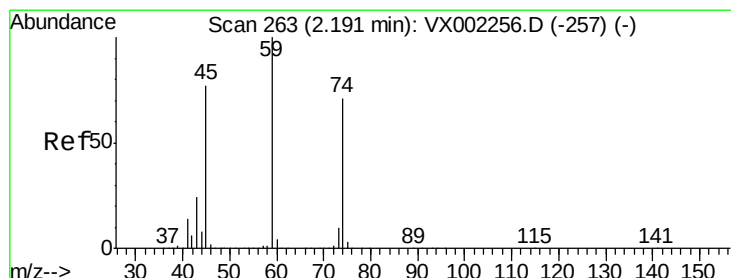
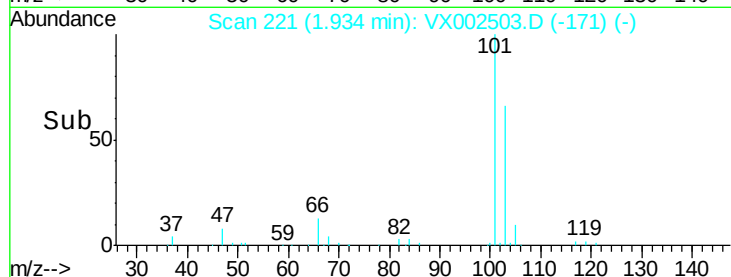
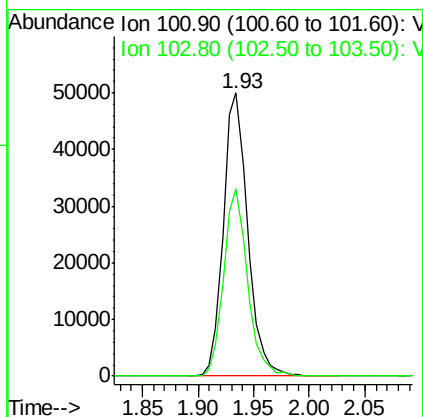
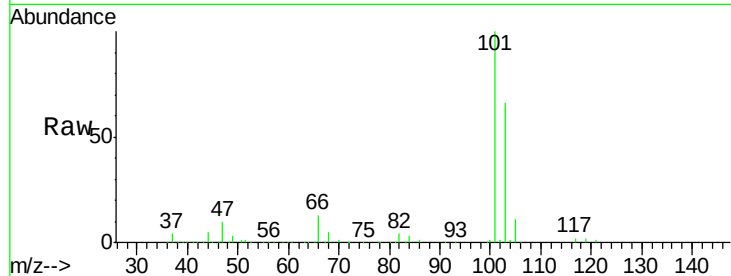
Trichlorofluoromethane
Concen: 22.777 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion:101 Resp: 75950
Ion Ratio Lower Upper
101 100
103 66.3 52.8 79.2

Manual Integrations
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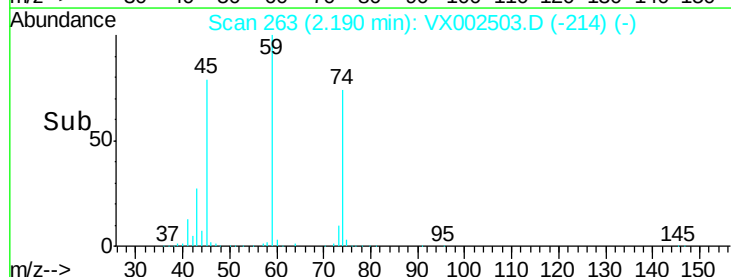
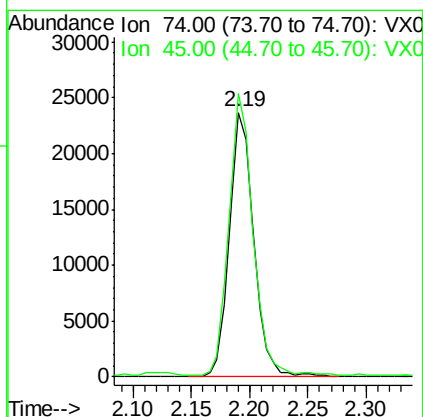
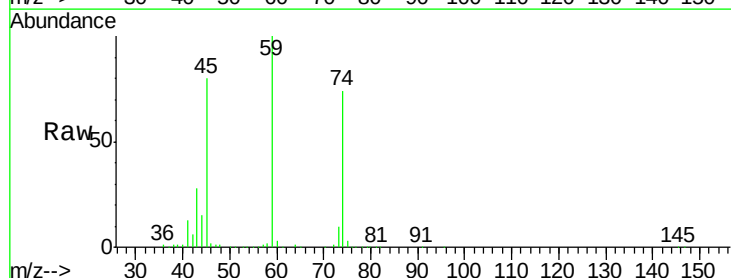
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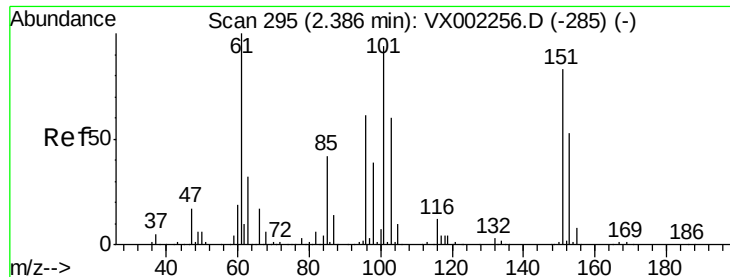


#8

Diethyl Ether
Concen: 28.239 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 74 Resp: 34698
Ion Ratio Lower Upper
74 100
45 105.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.758 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

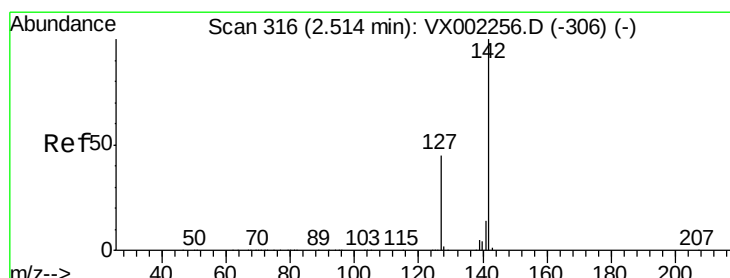
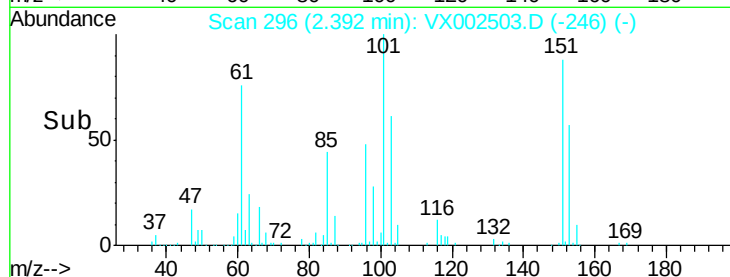
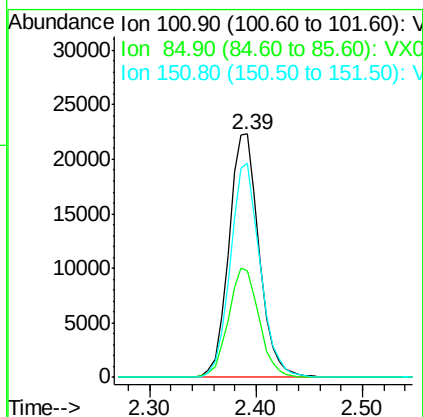
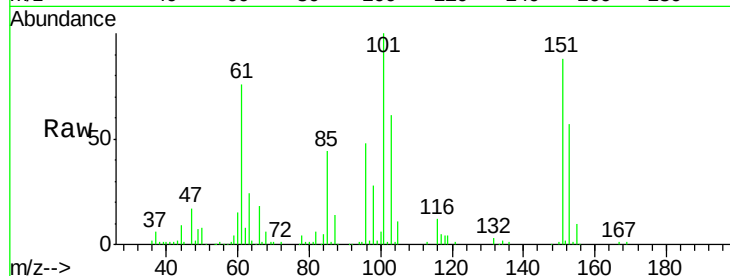
ClientSampleId :

VX0613WBS01

Tot Ion:	101	Resp:	44551
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.0	54.0
151	86.6	70.9	106.3

Manual Integrations
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6/14/2018 11:29:23 AM



#10

Methyl Iodide

Concen: 14.351 ug/l

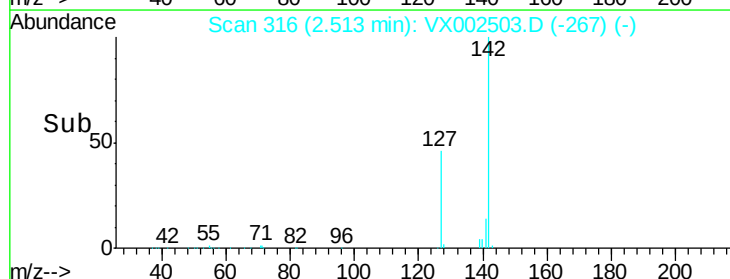
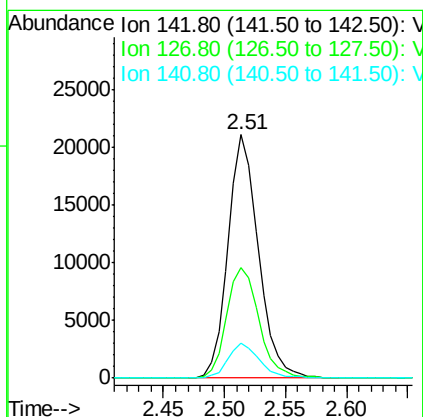
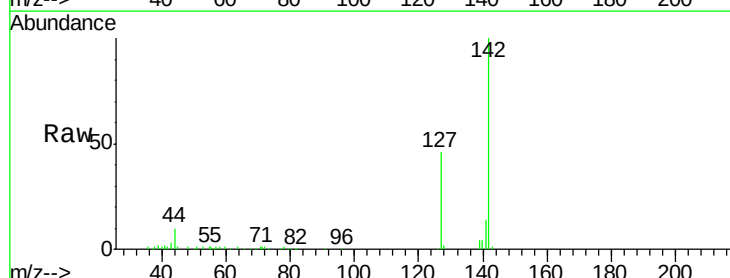
RT: 2.51 min Scan# 316

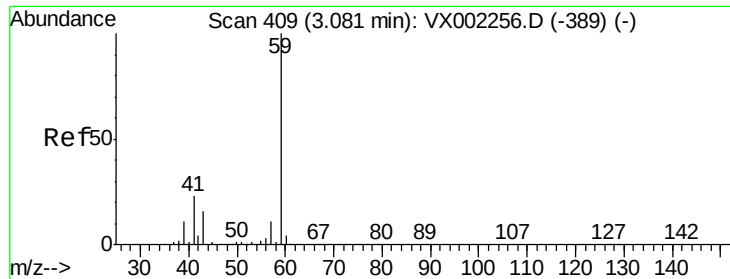
Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	142	Resp:	36322
Ion Ratio	Lower	Upper	
142	100		
127	48.1	36.6	55.0
141	14.9	11.3	16.9





#11

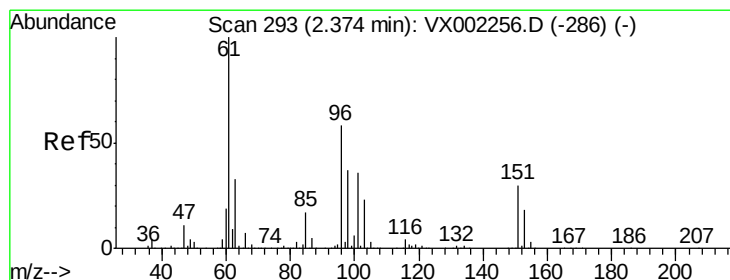
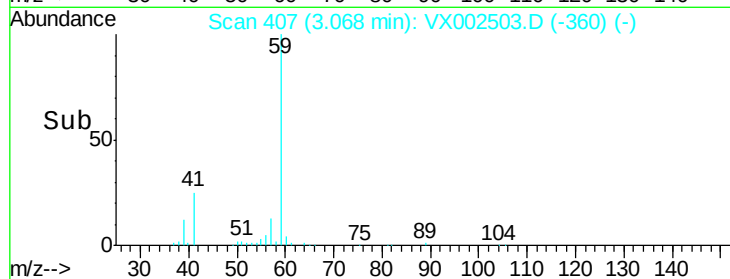
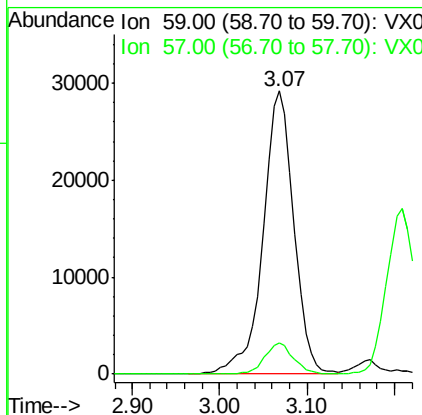
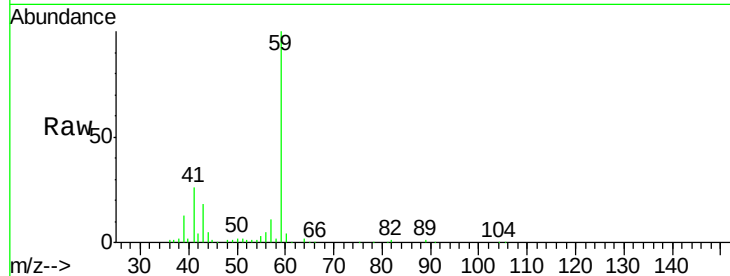
Tert butyl alcohol
 Concen: 138.322 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
 APPROVED

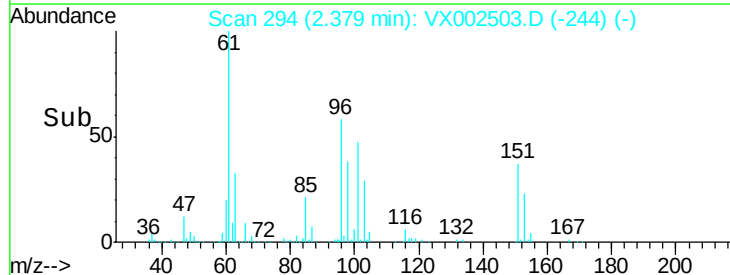
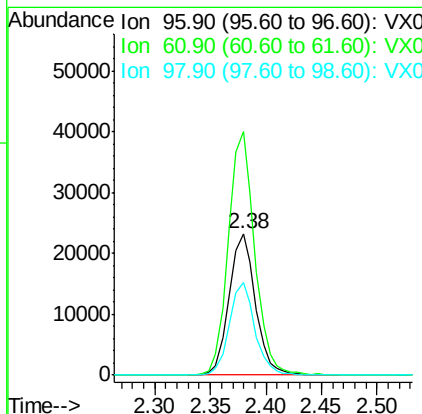
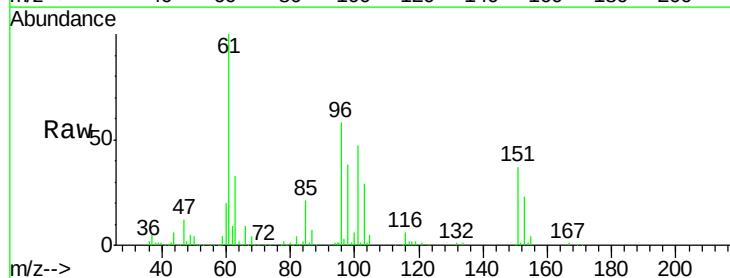
MMDadoda
 6/14/2018 11:29:23 AM

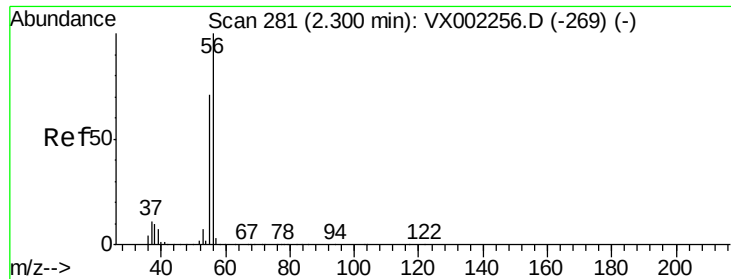


#12

1,1-Dichloroethene
 Concen: 21.462 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	137.9	206.9
98	65.5	51.6	77.4





#13

Acrolein

Concen: 88.906 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 56 Resp: 22578

Ion Ratio Lower Upper

56 100

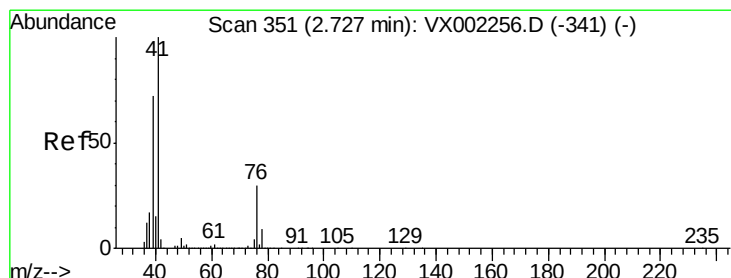
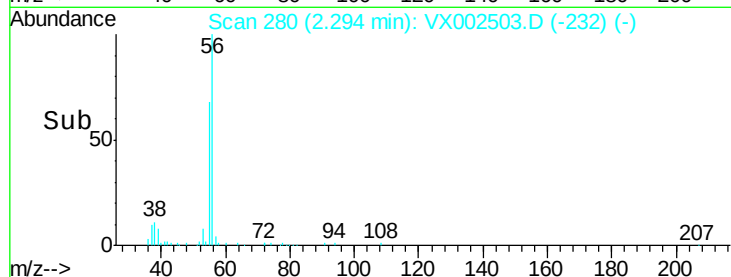
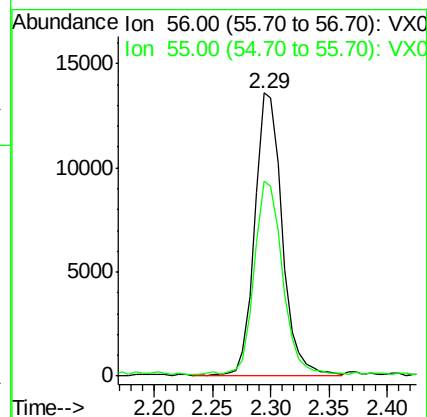
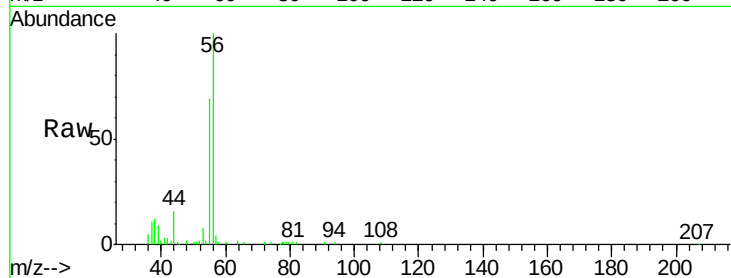
55 69.9 57.0 85.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 22.433 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

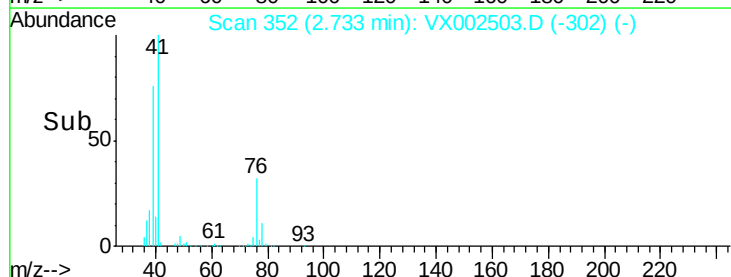
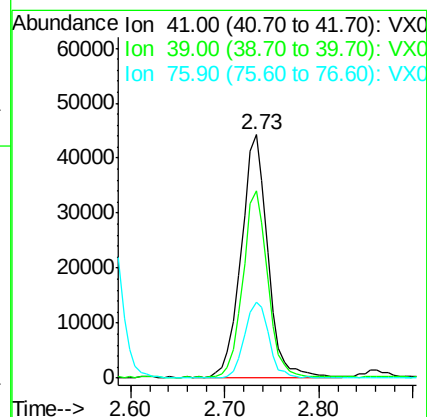
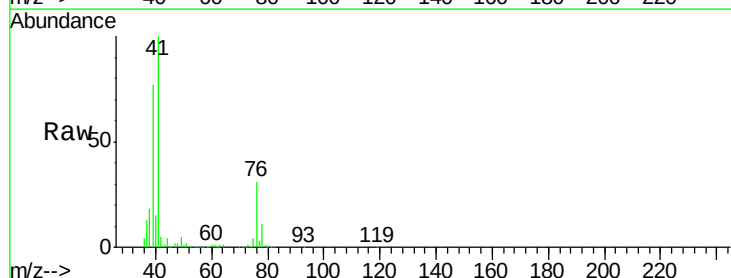
Tgt Ion: 41 Resp: 86573

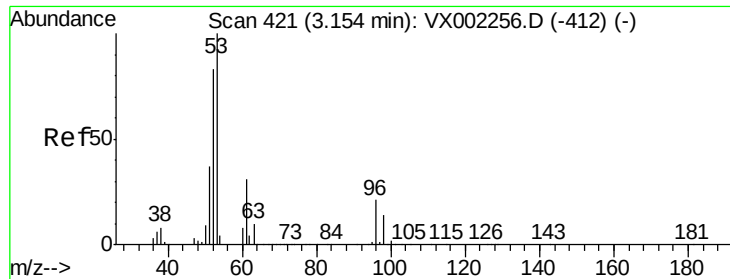
Ion Ratio Lower Upper

41 100

39 71.5 56.8 85.2

76 29.1 23.8 35.8





#15

Acrylonitrile

Concen: 147.001 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

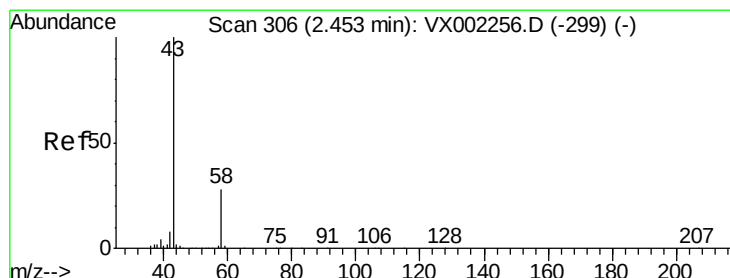
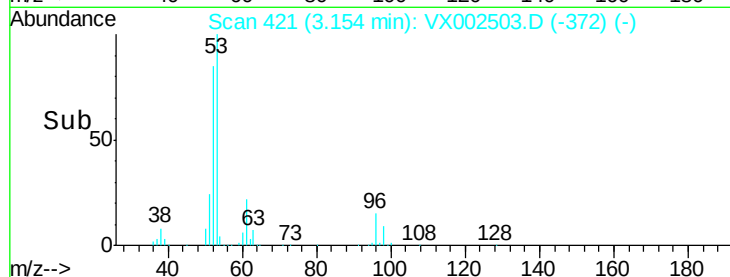
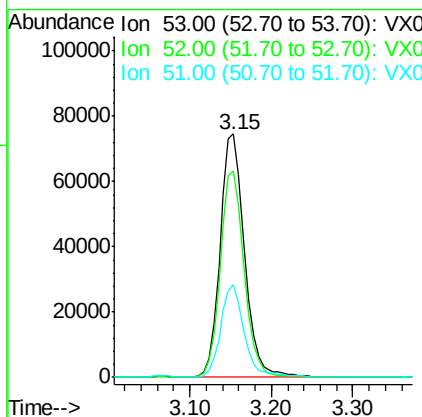
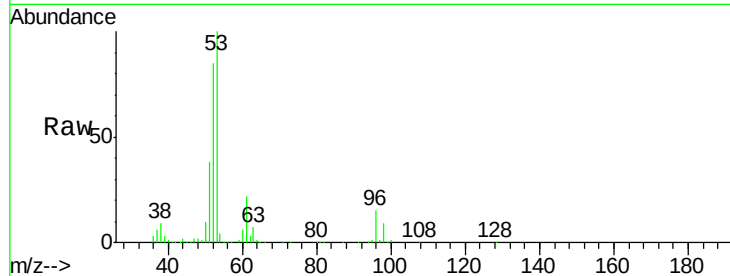
ClientSampleId :

VX0613WBS01

Tot Ion:	53	Resp:	153506
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 145.300 ug/l

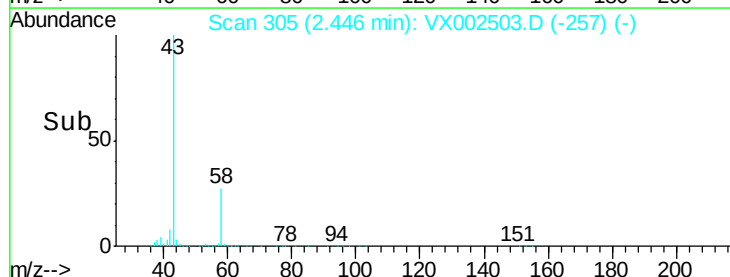
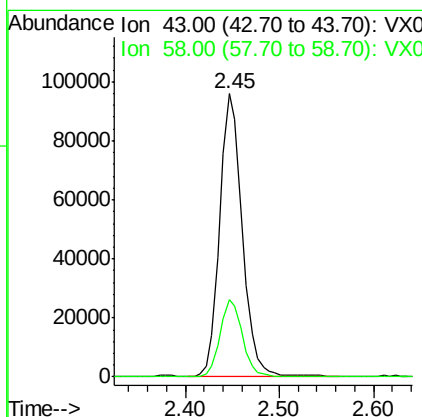
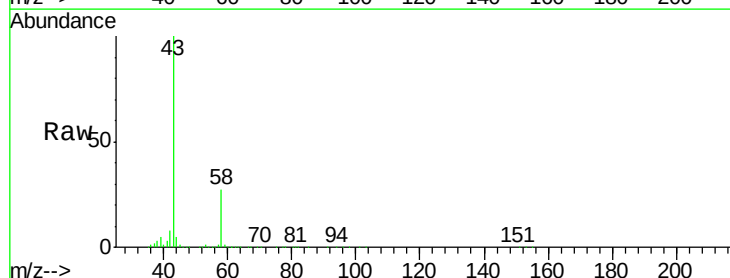
RT: 2.45 min Scan# 305

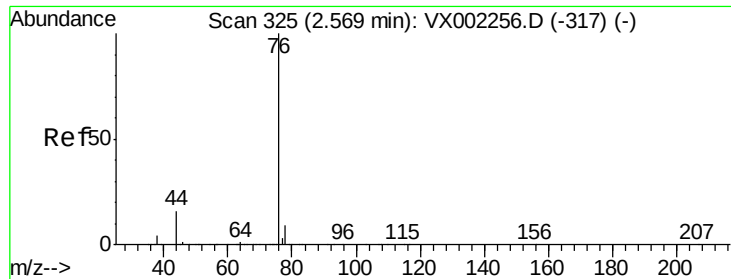
Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	43	Resp:	157521
Ion Ratio		Lower	Upper
43	100		
58	27.4	22.1	33.1





#17

Carbon Disulfide

Concen: 16.277 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 76 Resp: 76288

Ion Ratio Lower Upper

76 100

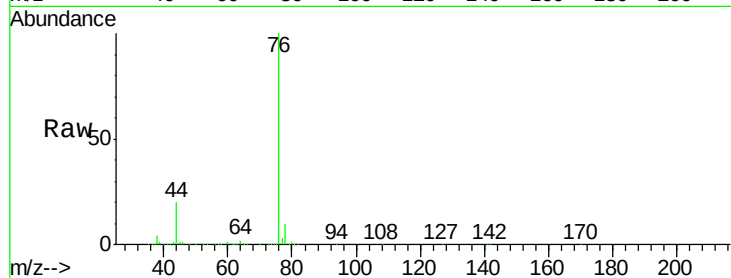
78 9.8 6.9 10.3

Manual Integrations

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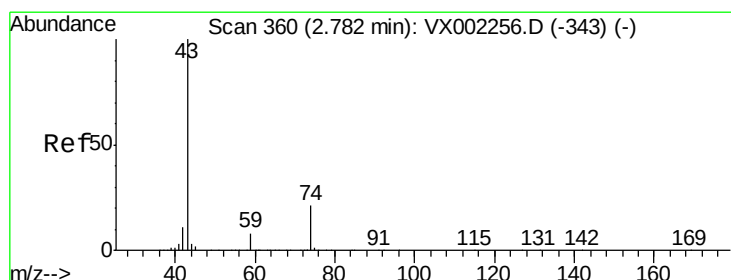
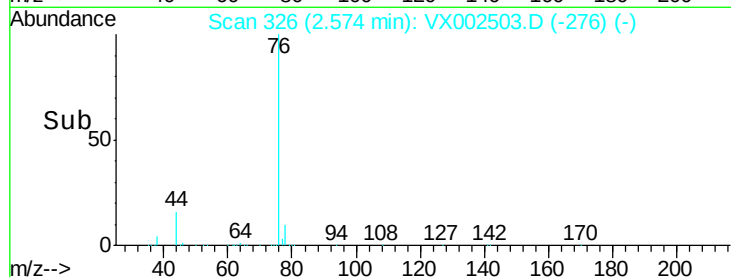
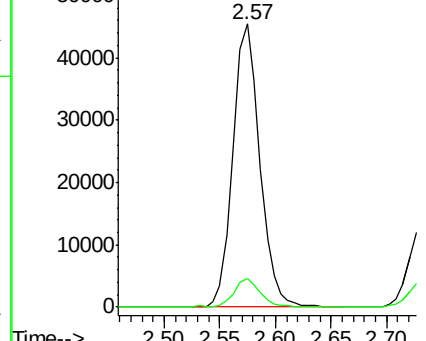
MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 30.680 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002503.D

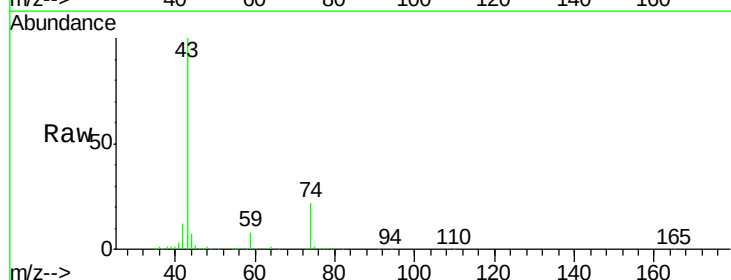
Acq: 13 Jun 2018 11:31

Tgt Ion: 43 Resp: 75915

Ion Ratio Lower Upper

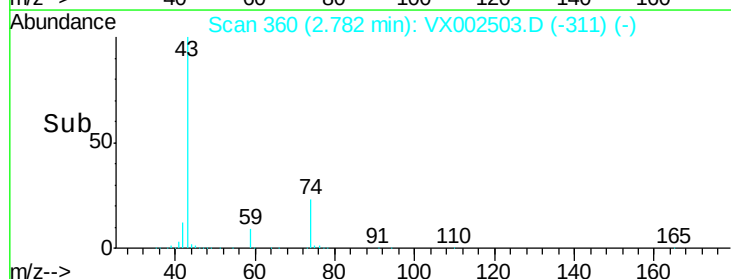
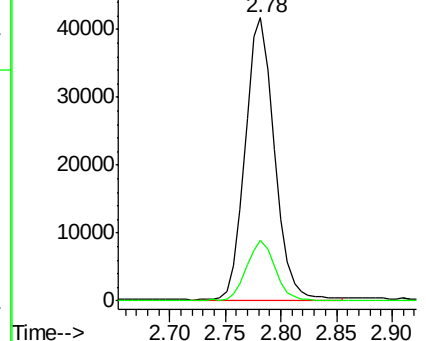
43 100

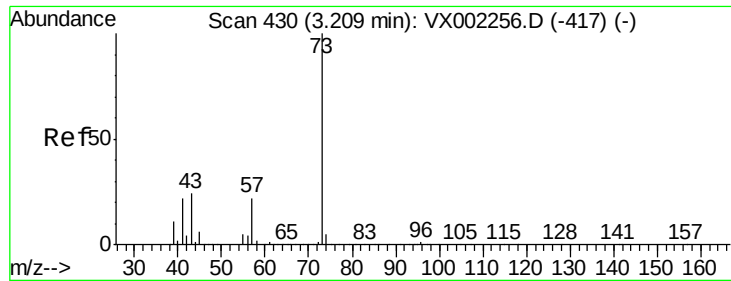
74 21.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

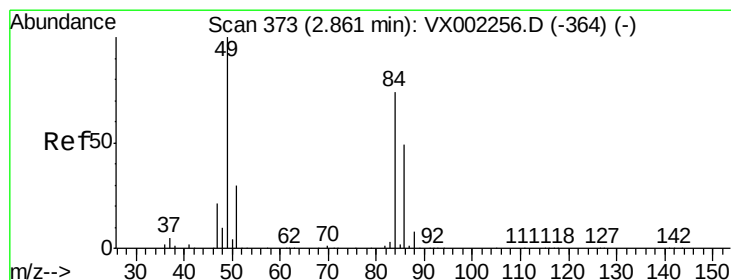
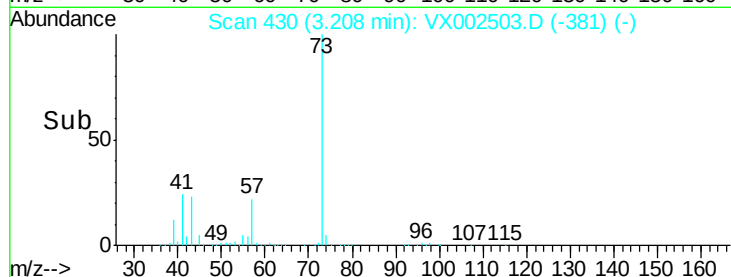
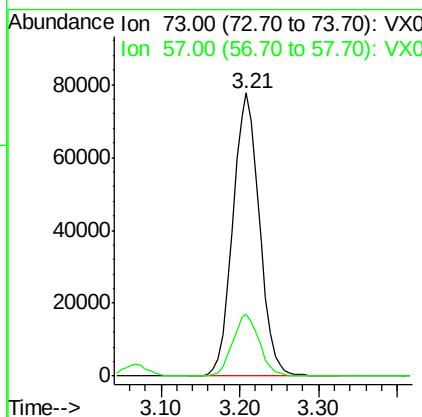
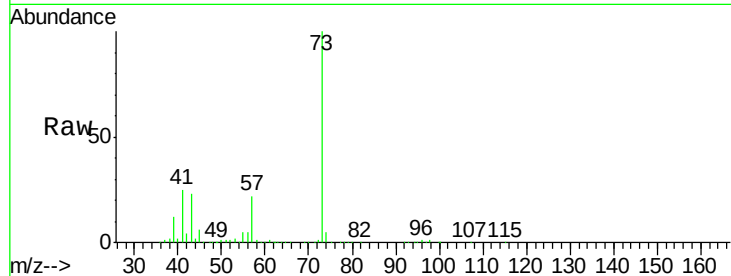
Methyl tert-butyl Ether
 Concen: 28.264 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

Manual Integrations
 APPROVED

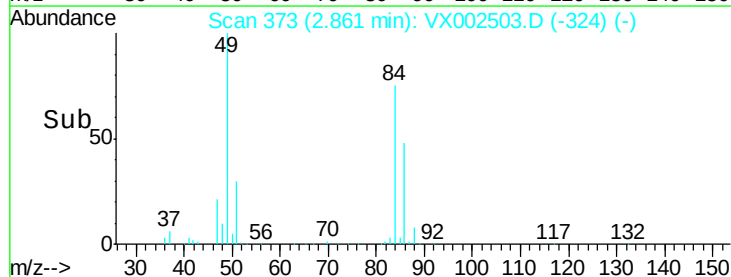
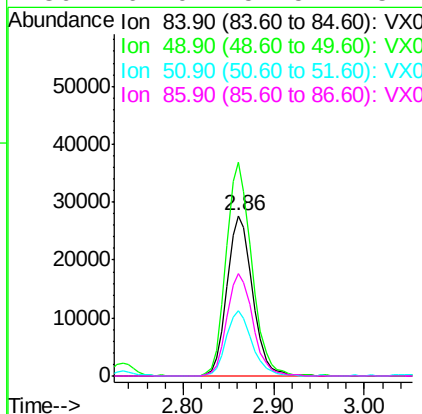
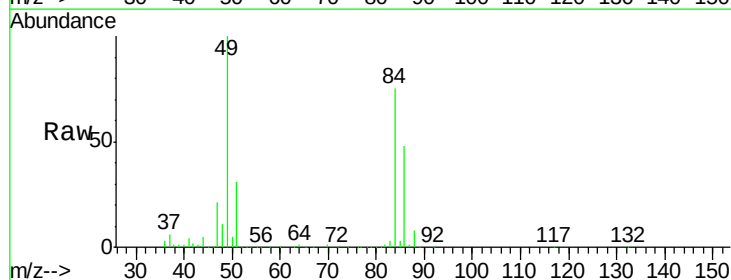
MMDadoda
 6/14/2018 11:29:23 AM

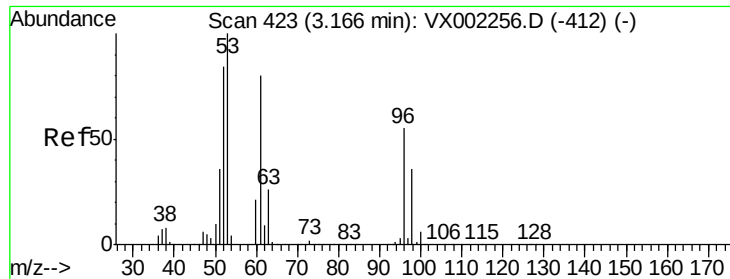


#20

Methylene Chloride
 Concen: 27.385 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	107.8	161.6
51	40.6	32.8	49.2
86	64.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 22.045 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

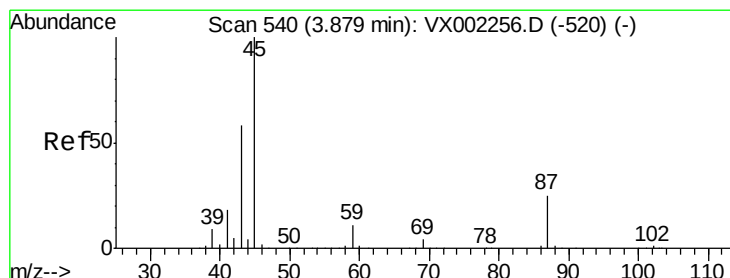
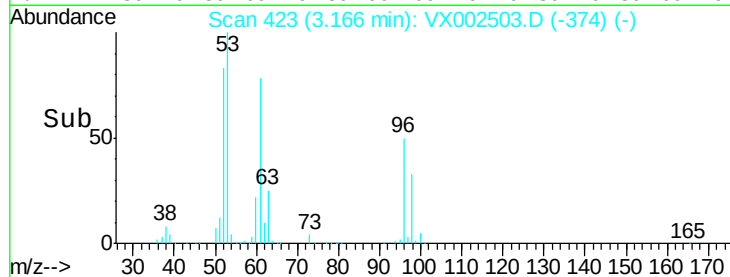
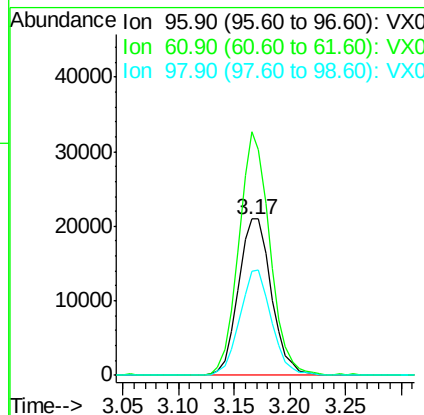
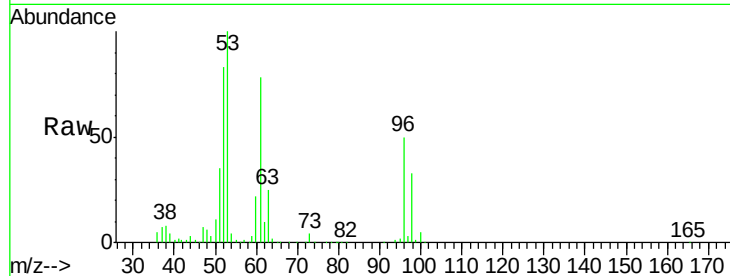
ClientSampleId :

VX0613WBS01

Tot Ion:	96	Resp:	43231
Ion	Ratio	Lower	Upper
96	100		
61	155.6	117.0	175.4
98	66.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 28.558 ug/l

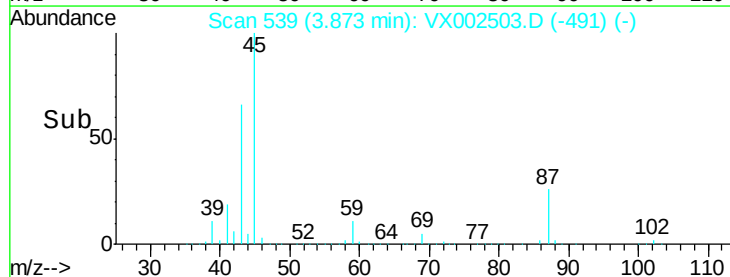
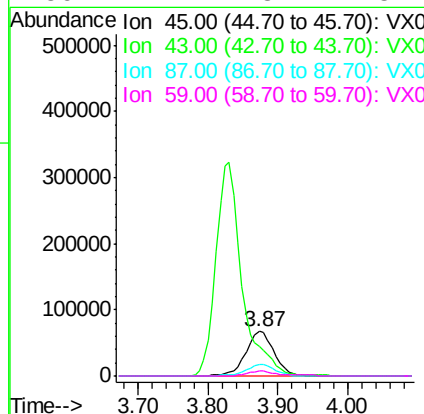
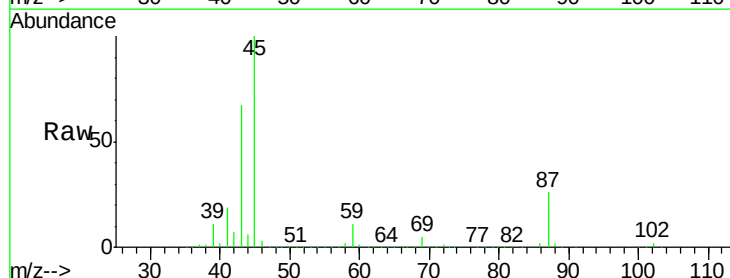
RT: 3.87 min Scan# 539

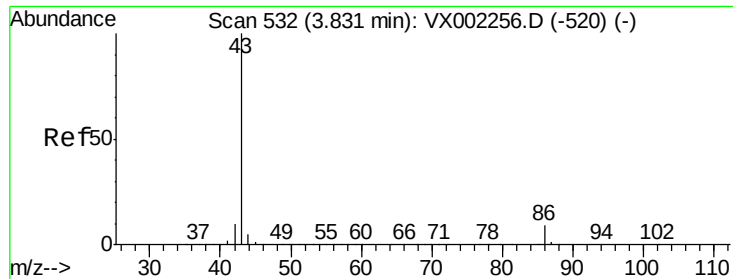
Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	45	Resp:	188231
Ion	Ratio	Lower	Upper
45	100		
43	65.9	46.8	70.2
87	25.6	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 134.192 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 839533

Ion Ratio Lower Upper

43 100

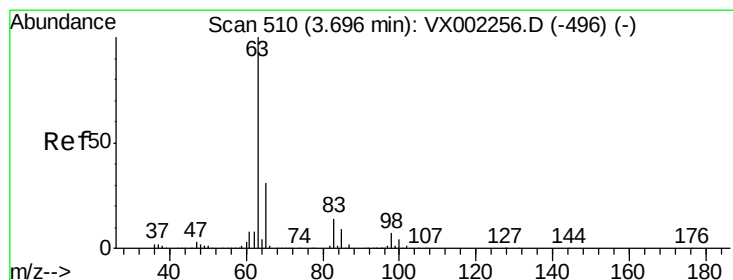
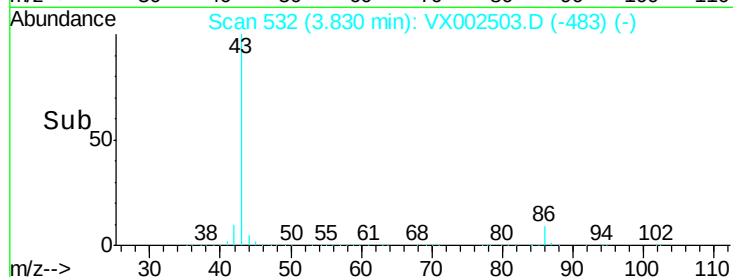
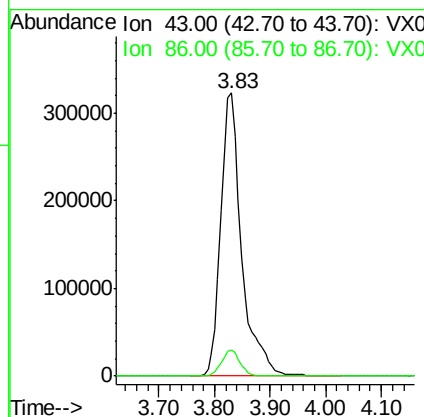
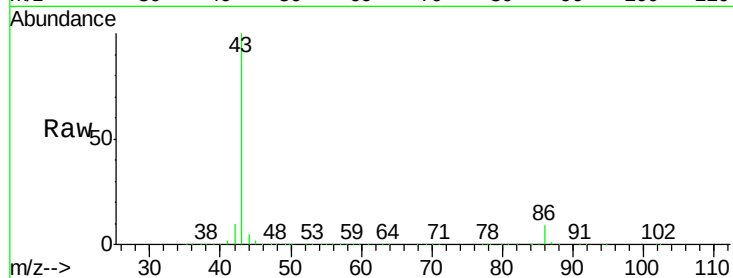
86 9.4 7.4 11.0

Manual Integrations

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6/14/2018 11:29:23 AM



#24

1,1-Dichloroethane

Concen: 24.581 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

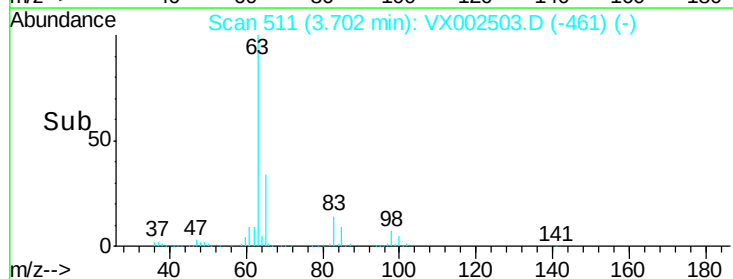
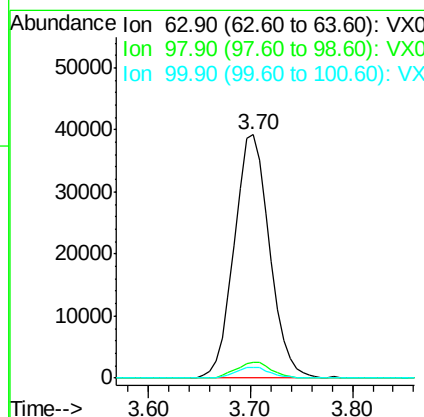
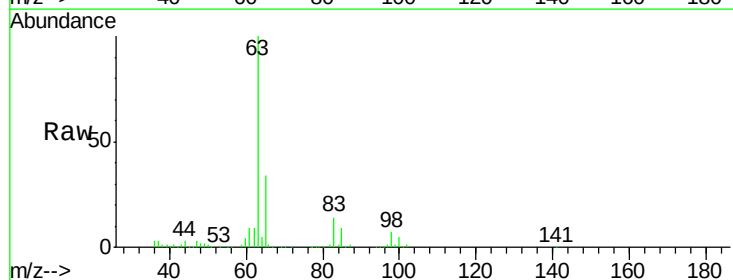
Tgt Ion: 63 Resp: 93758

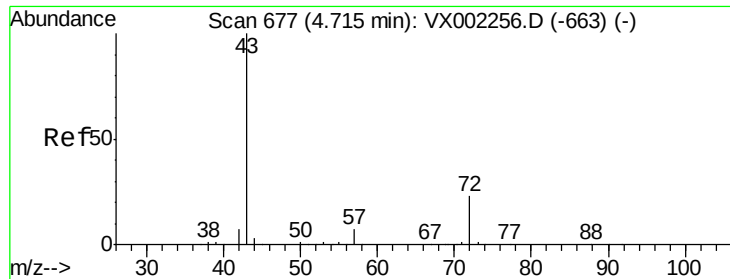
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 119.290 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 195382

Ion Ratio Lower Upper

43 100

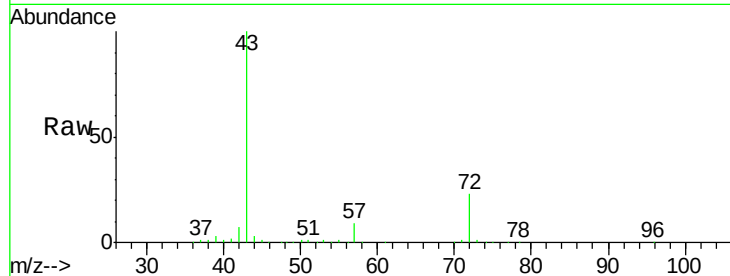
72 22.7 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

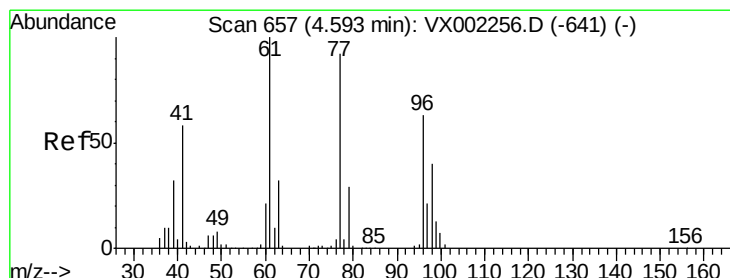
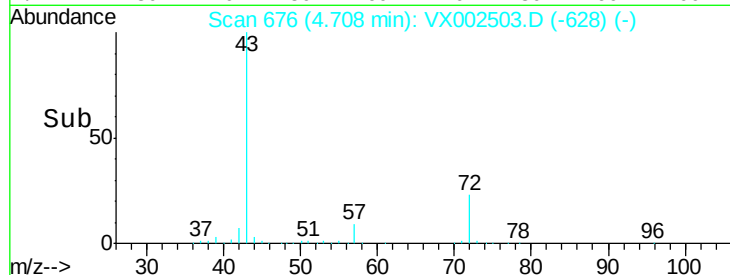
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.354 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002503.D

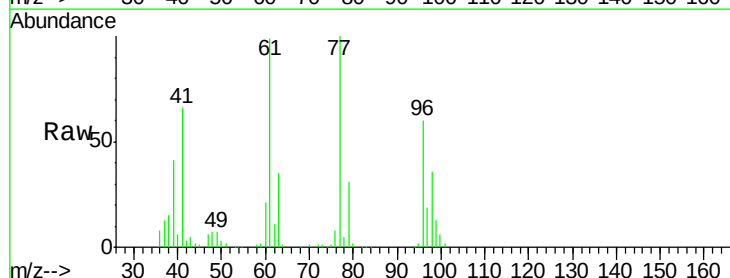
Acq: 13 Jun 2018 11:31

Tgt Ion: 77 Resp: 57706

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

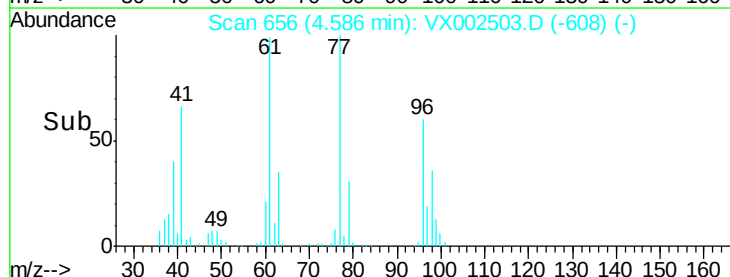
10000

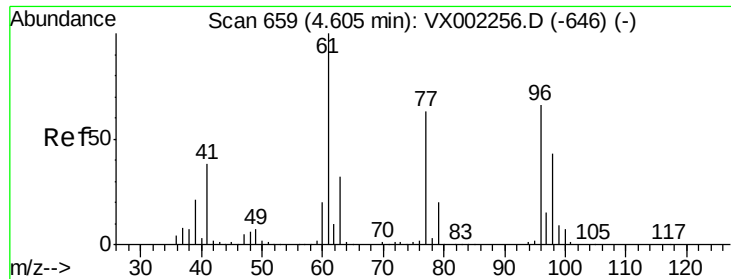
5000

0

4.50 4.60 4.70

Time-->





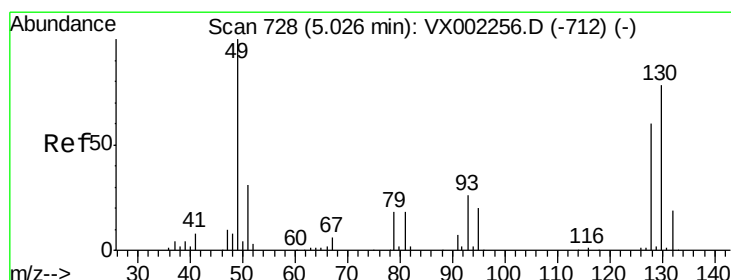
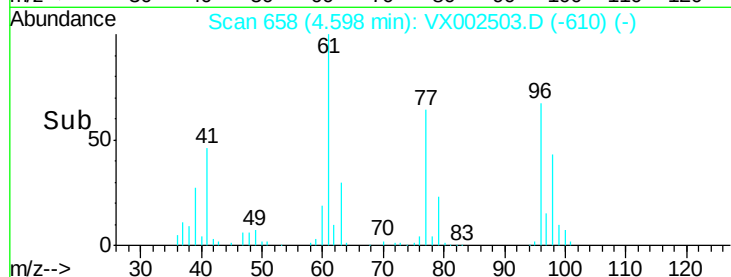
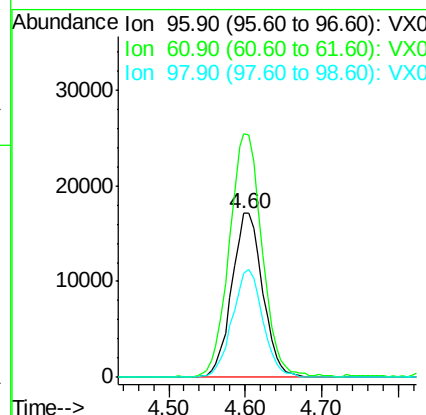
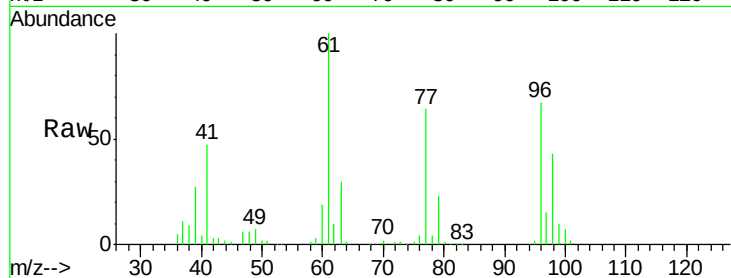
#27
 cis-1,2-Dichloroethene
 Concen: 22.448 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47875		
61	158.3		0.0	330.2
98	64.9		0.0	130.2

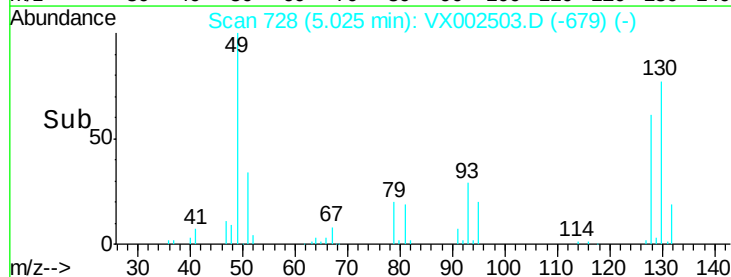
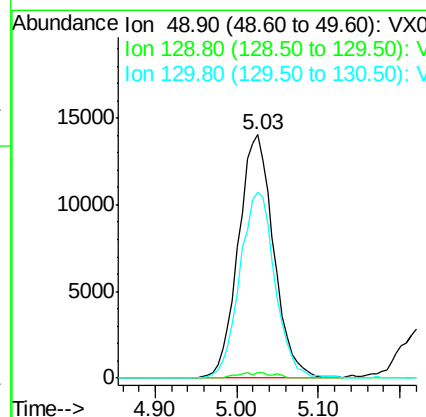
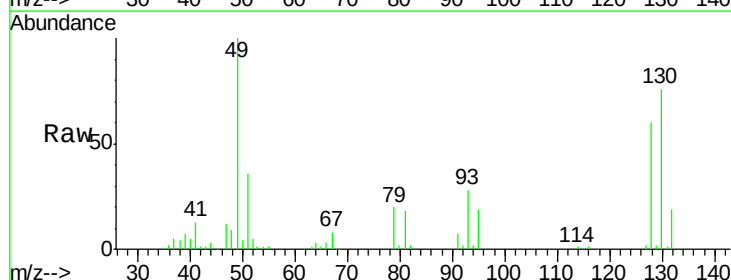
Manual Integrations
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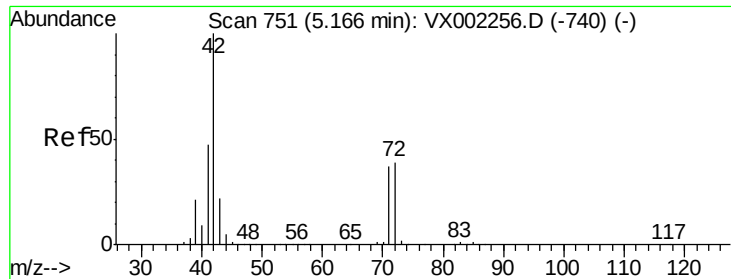
MMDadoda
 6/14/2018 11:29:23 AM



#28
 Bromochloromethane
 Concen: 24.148 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42159		
129	1.1		0.0	4.2
130	76.0		61.2	91.8





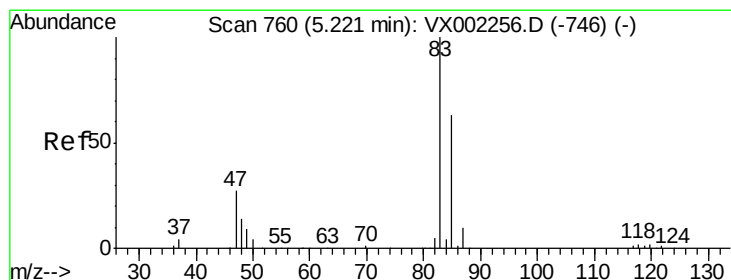
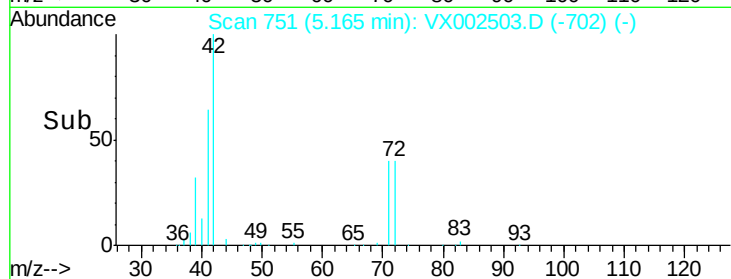
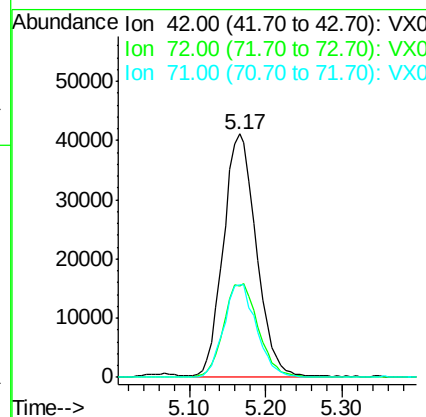
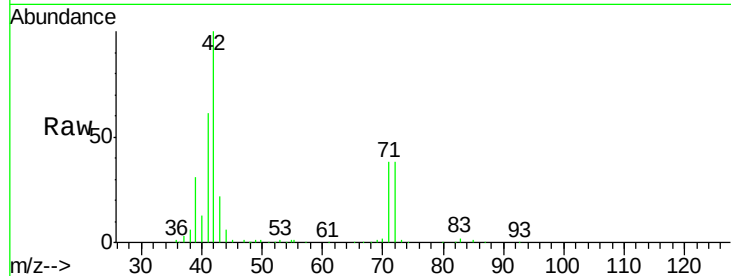
#29
Tetrahydrofuran
Concen: 116.008 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	38.1	30.1	45.1

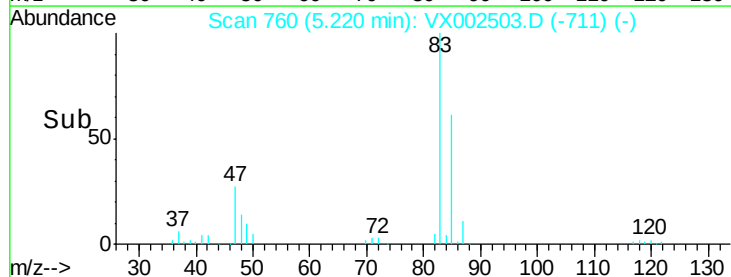
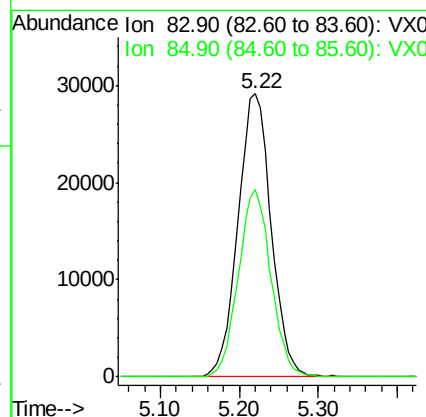
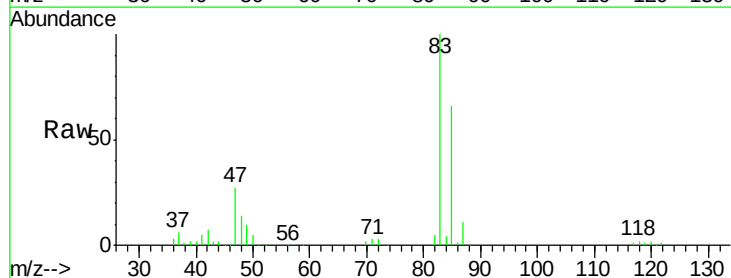
Manual Integrations
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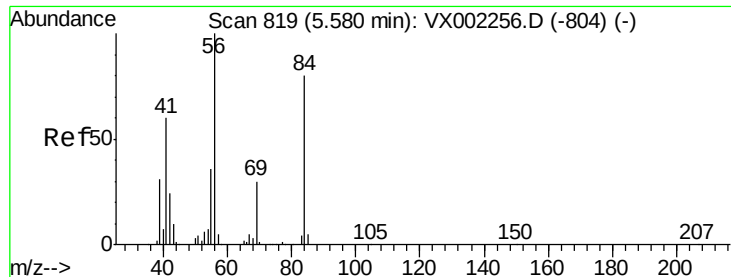
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6/14/2018 11:29:23 AM



#30
Chloroform
Concen: 23.215 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.4	75.6





#31

Cyclohexane

Concen: 19.471 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

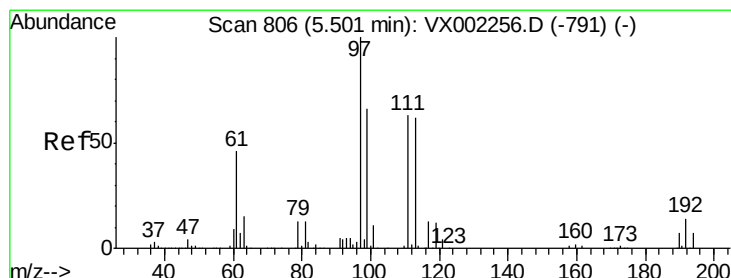
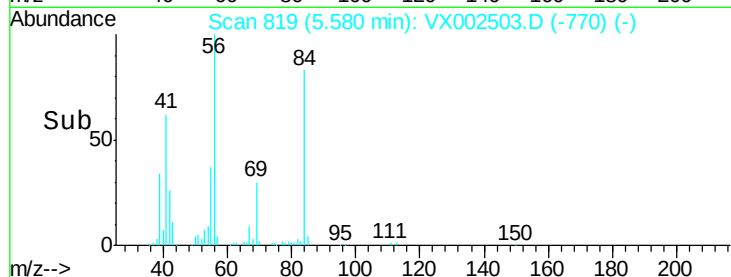
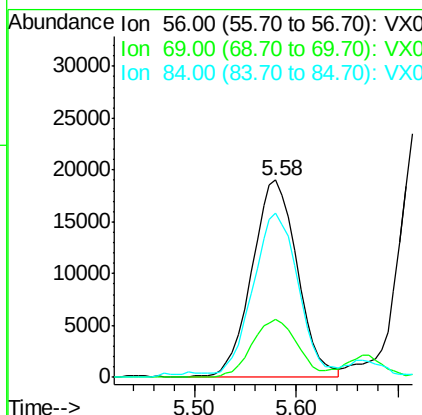
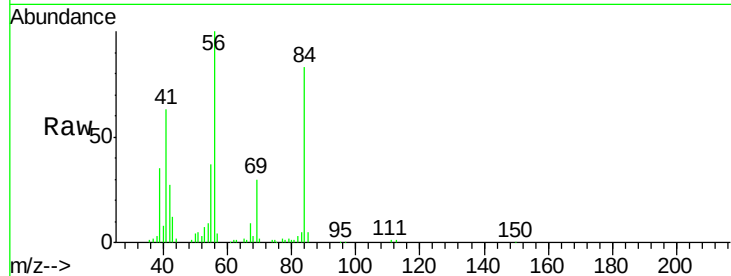
ClientSampleId :

VX0613WBS01

Tot Ion:	56	Resp:	58727
Ion Ratio	Lower	Upper	
56	100		
69	29.5	23.7	35.5
84	80.3	64.1	96.1

Manual Integrations
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6/14/2018 11:29:23 AM



#32

1,1,1-Trichloroethane

Concen: 20.666 ug/l

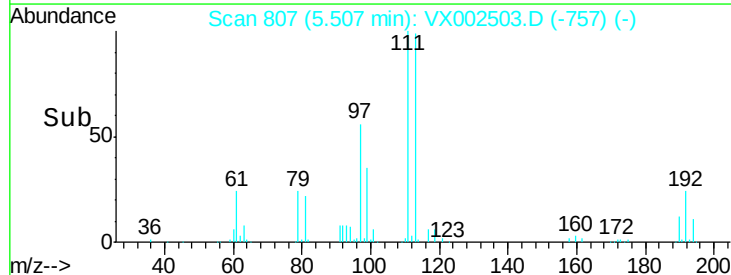
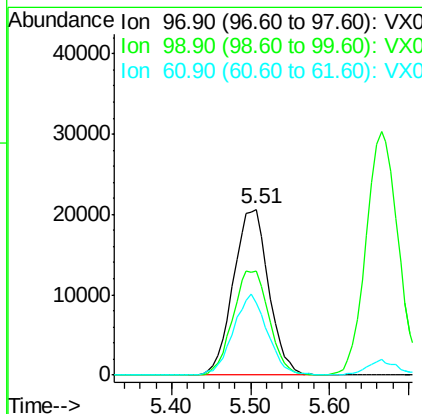
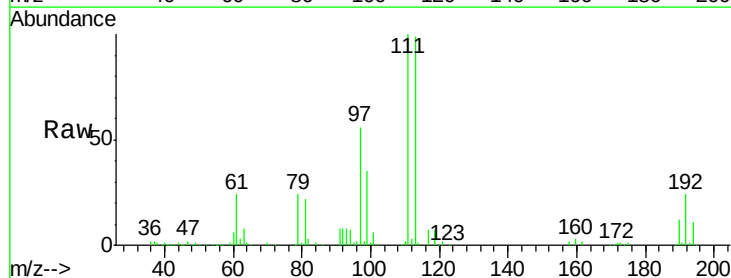
RT: 5.51 min Scan# 807

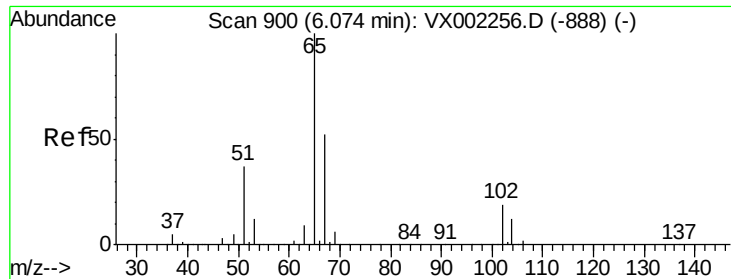
Delta R.T. 0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	97	Resp:	64508
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	47.0	36.4	54.6





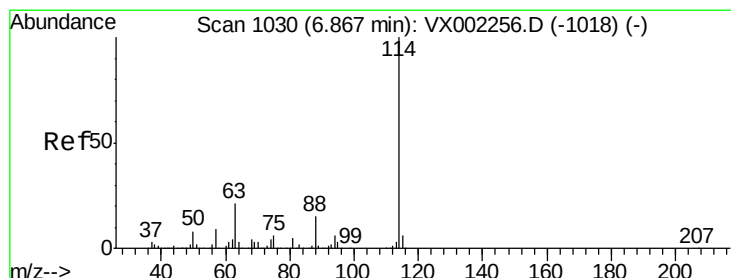
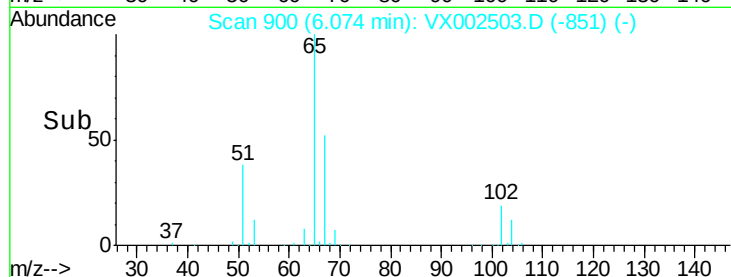
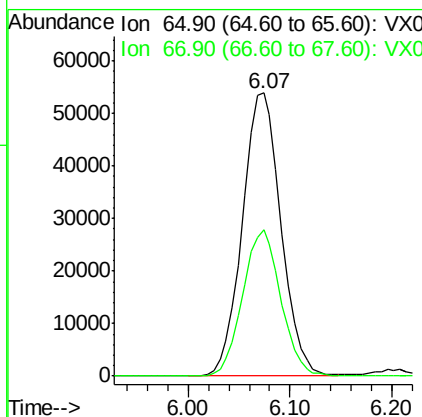
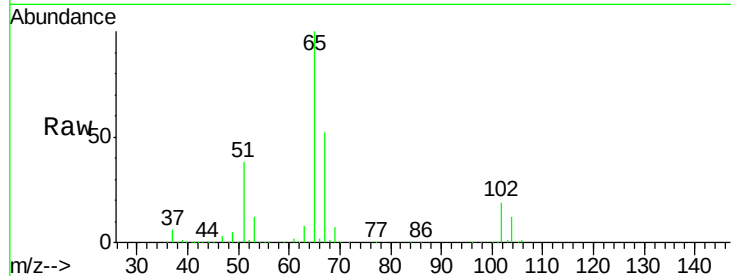
#33
 1,2-Dichloroethane-d4
 Concen: 60.098 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141889		
67	50.9	0.0	102.6	

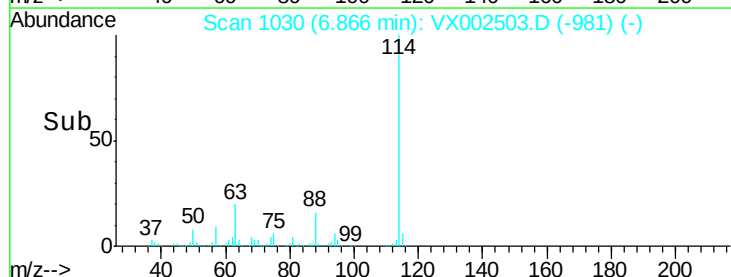
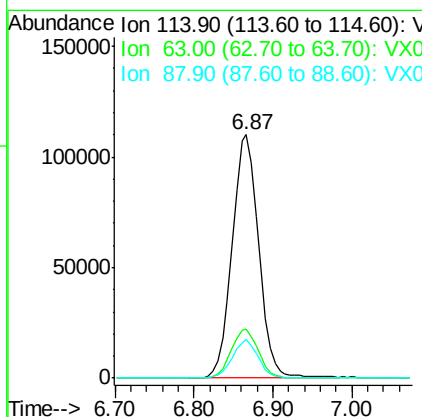
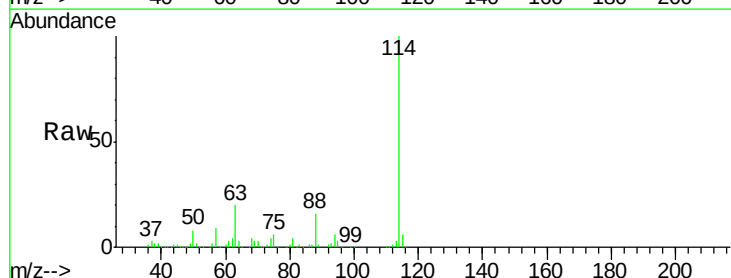
Manual Integrations
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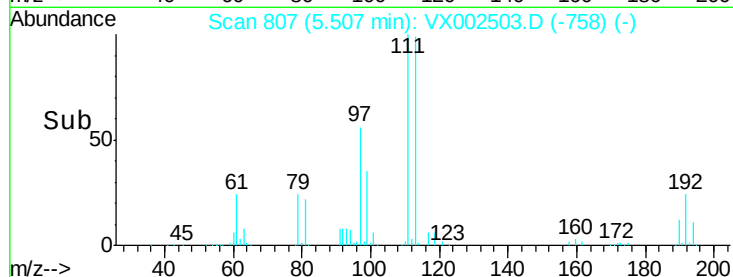
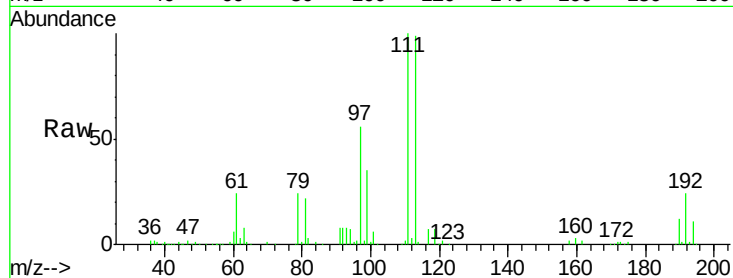
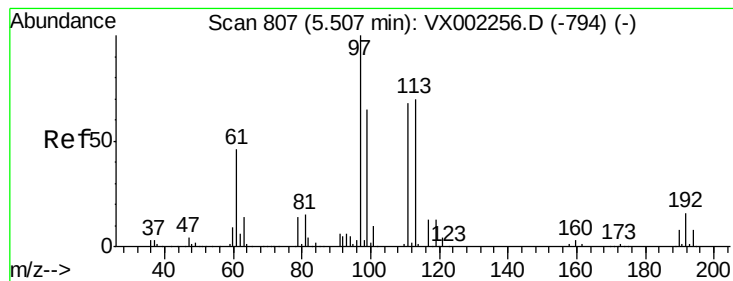
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258065		
63	20.2	0.0	41.4	
88	15.9	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.985 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002503.D

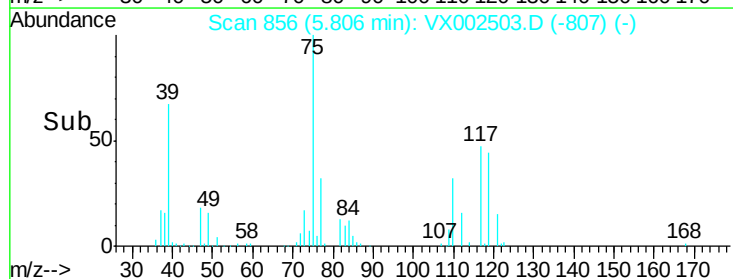
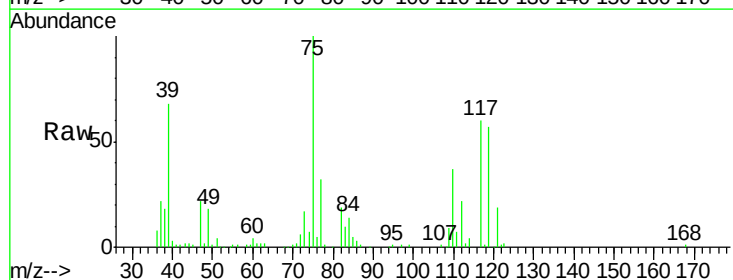
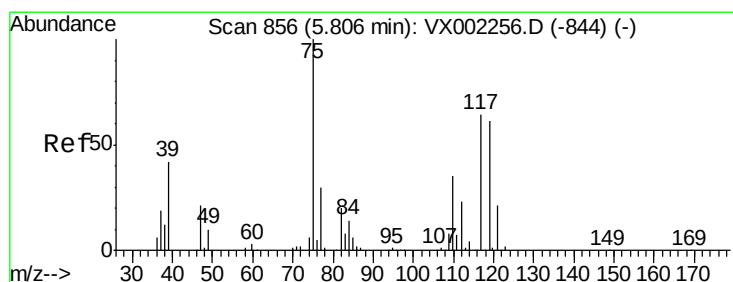
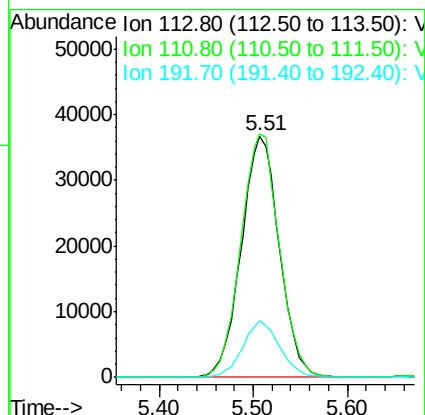
Acq: 13 Jun 2018 11:31

Tot Ion:	113	Resp:	103472
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	22.9	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.135 ug/l

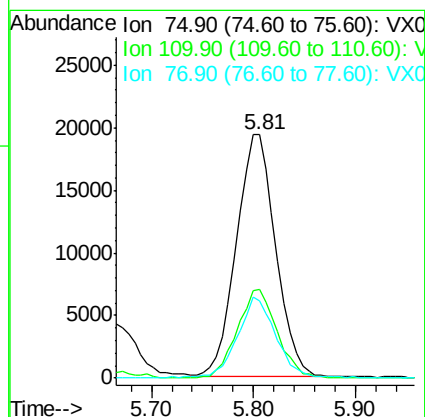
RT: 5.81 min Scan# 856

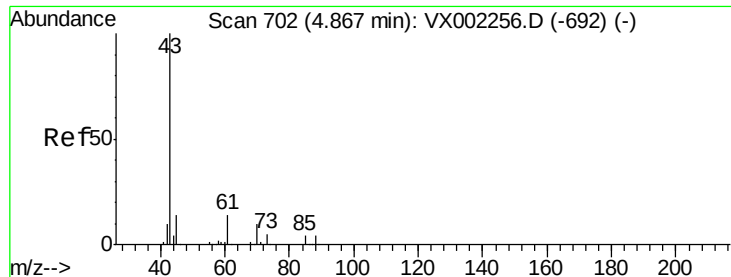
Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	75	Resp:	51914
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.4
77	32.6	24.3	36.5





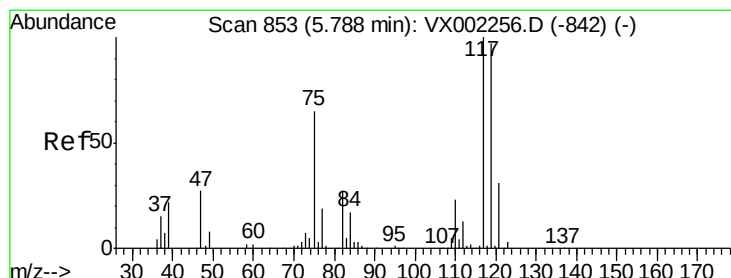
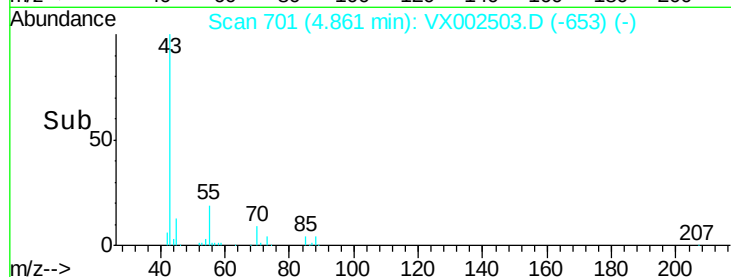
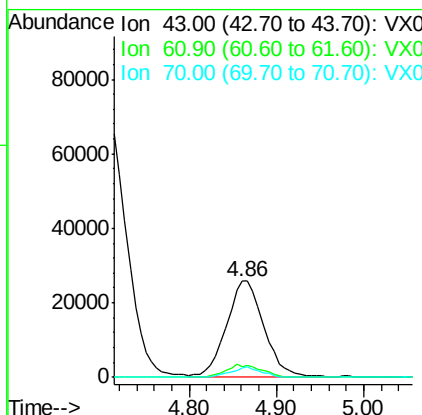
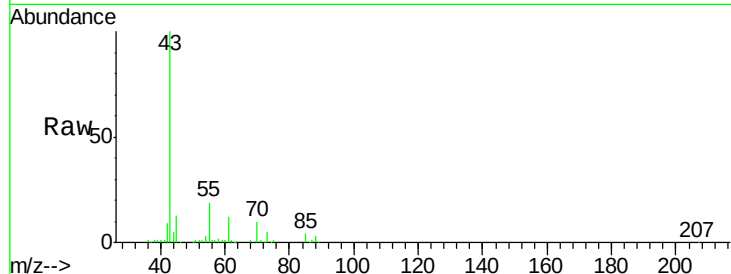
#37
Ethyl Acetate
Concen: 23.200 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.5	7.6	11.4

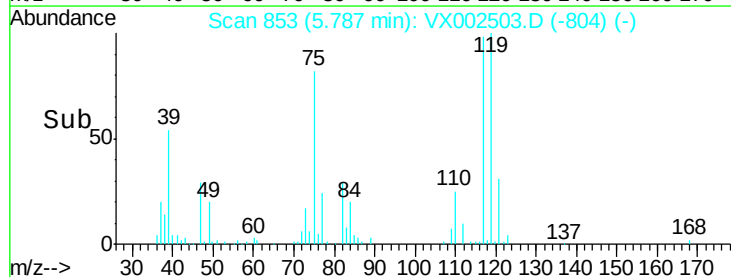
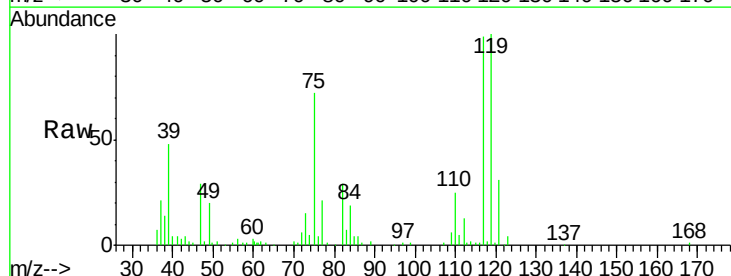
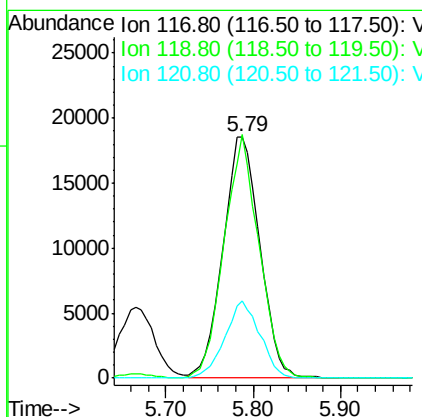
Manual Integrations
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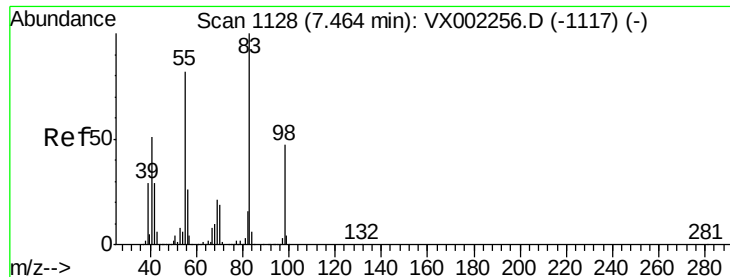
MMDadoda
6/14/2018 11:29:23 AM



#38
Carbon Tetrachloride
Concen: 19.147 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.4	116.0
121	31.7	24.4	36.6





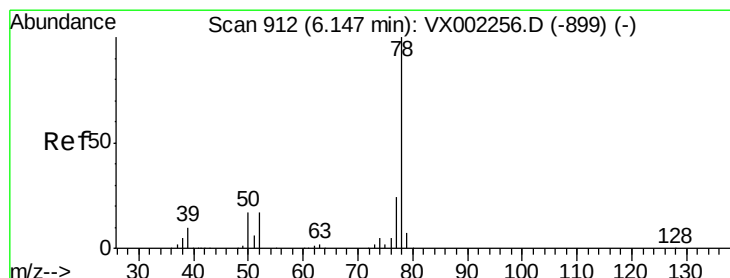
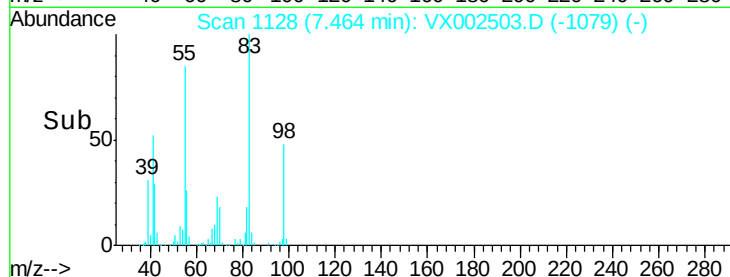
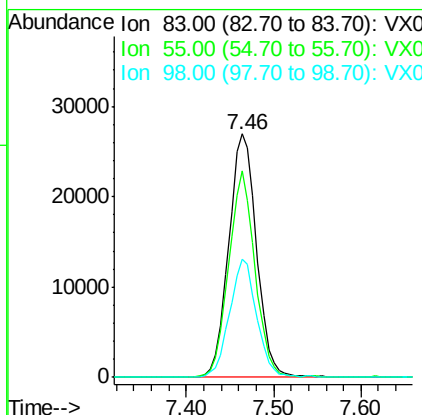
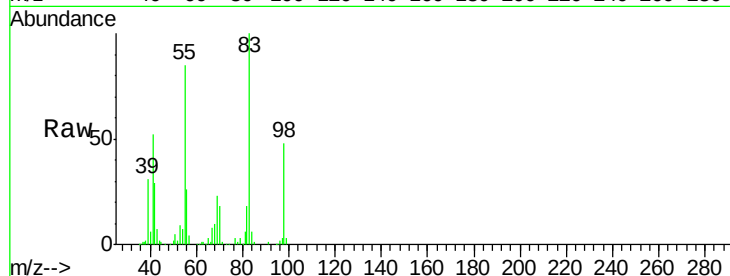
#39
Methylvlcyclohexane
Concen: 18.045 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	65.4	98.0
98	48.3	37.4	56.0

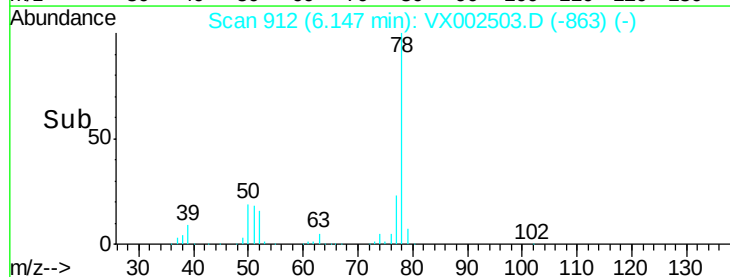
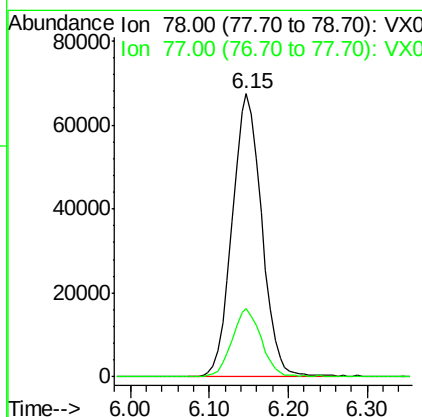
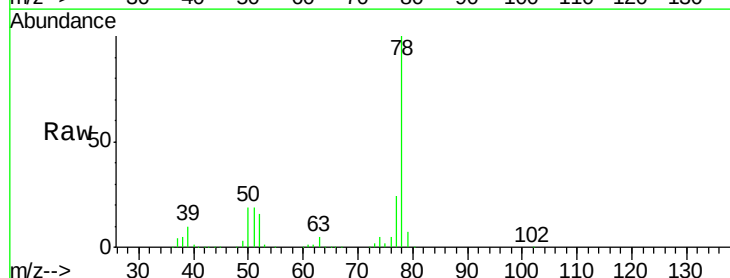
Manual Integrations
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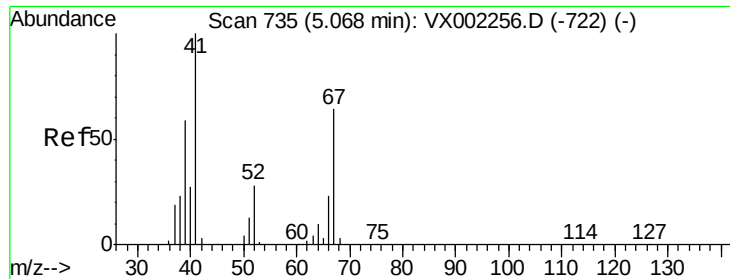
MMDadoda
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#40
Benzene
Concen: 21.142 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





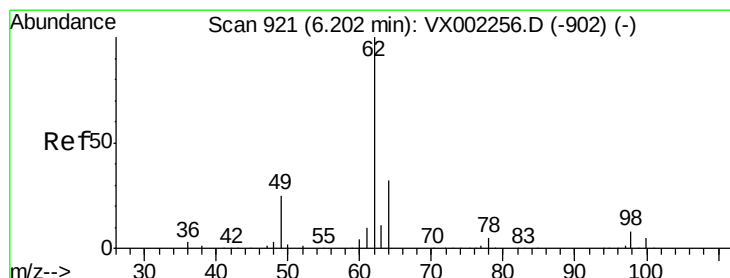
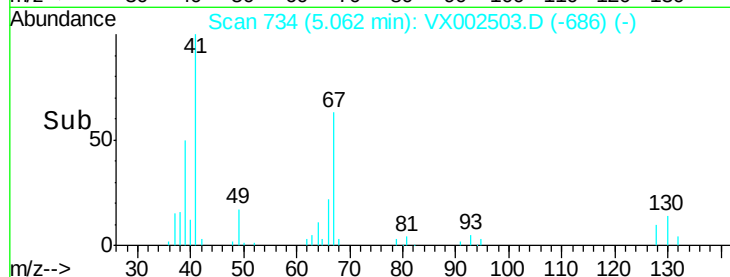
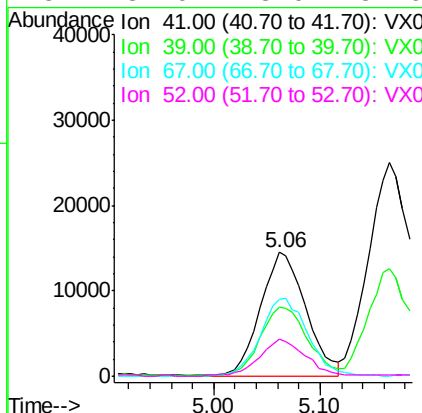
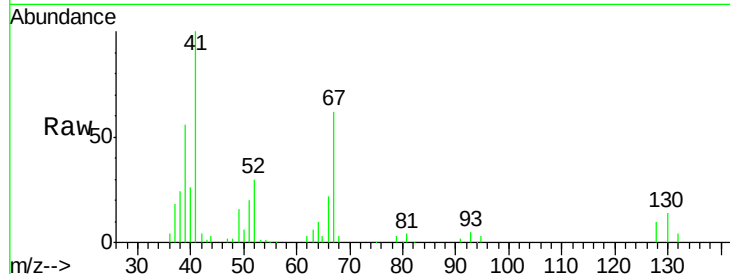
#41
Methacrylonitrile
Concen: 22.918 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.8	68.6
67	66.1	51.3	76.9
52	31.0	23.0	34.6

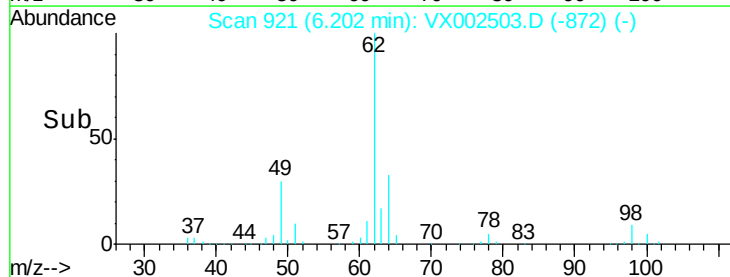
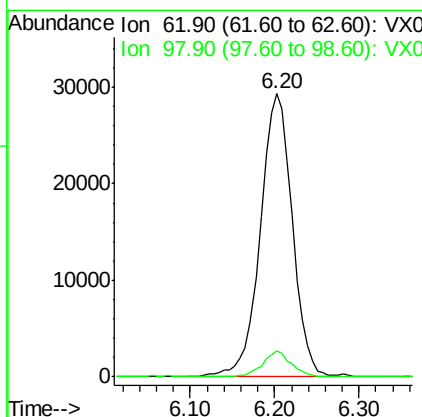
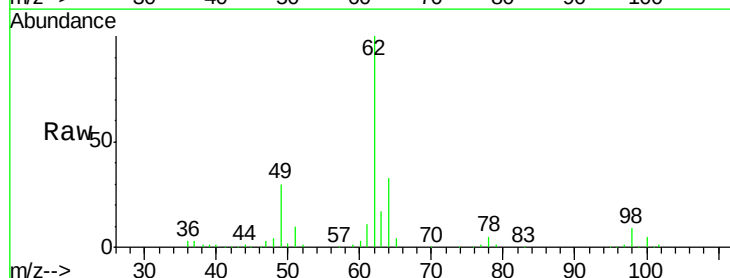
Manual Integrations
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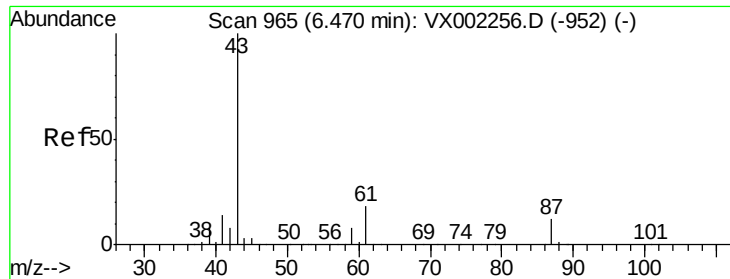
MMDadoda
6/14/2018 11:29:23 AM



#42
1,2-Dichloroethane
Concen: 23.251 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

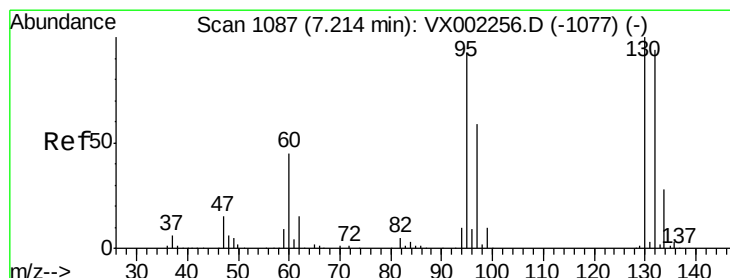
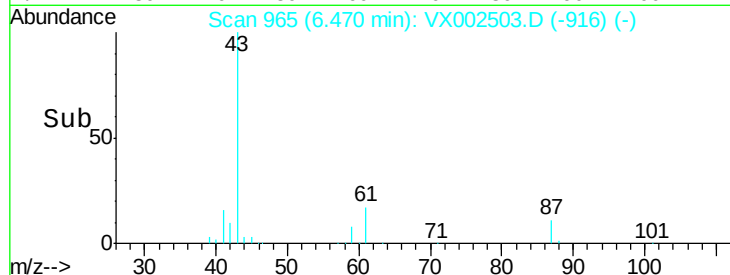
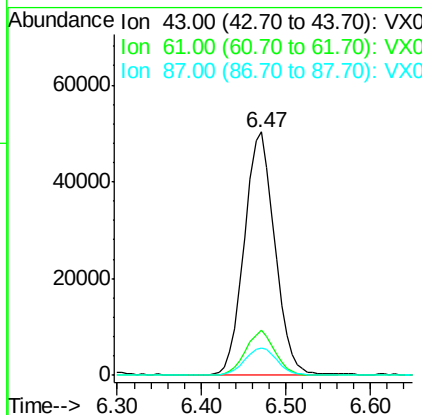
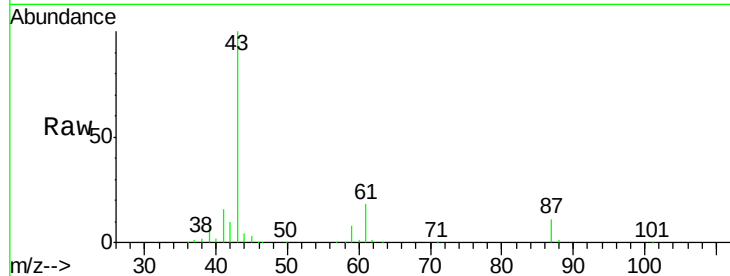
Isopropyl Acetate
 Concen: 22.134 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

Manual Integrations
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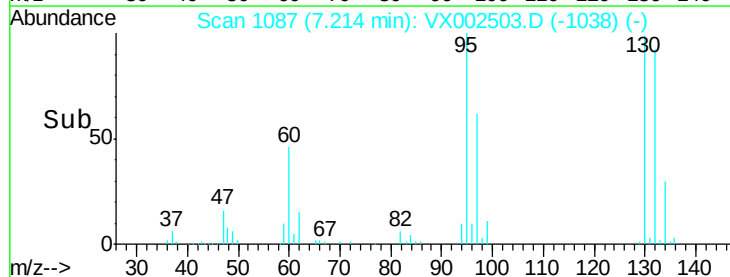
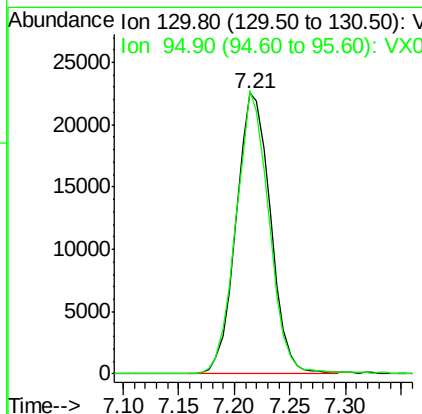
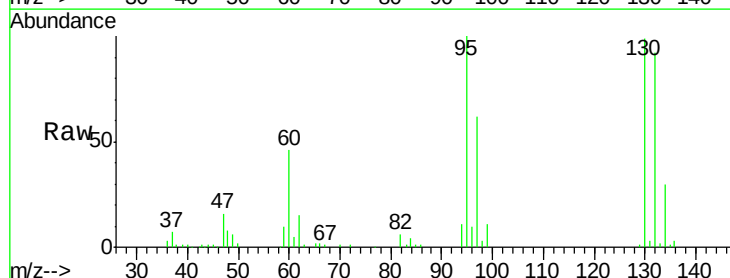
MMDadoda
 6/14/2018 11:29:23 AM

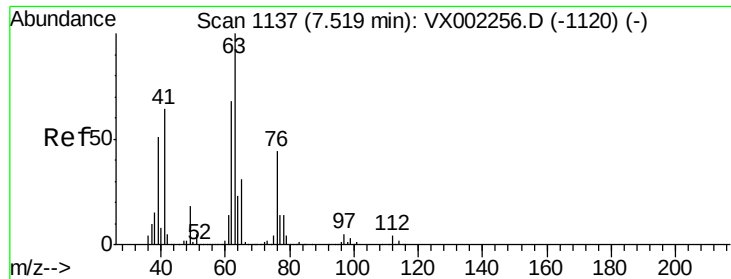


#44

Trichloroethene
 Concen: 20.893 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	185.4





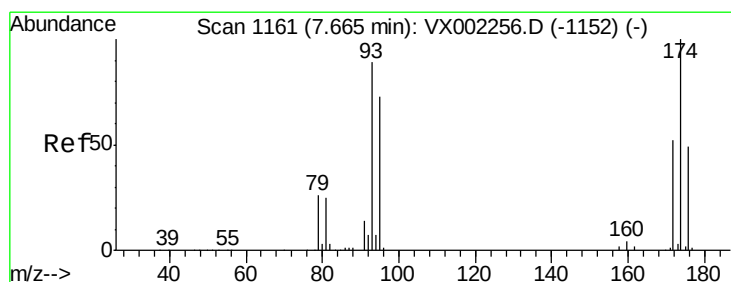
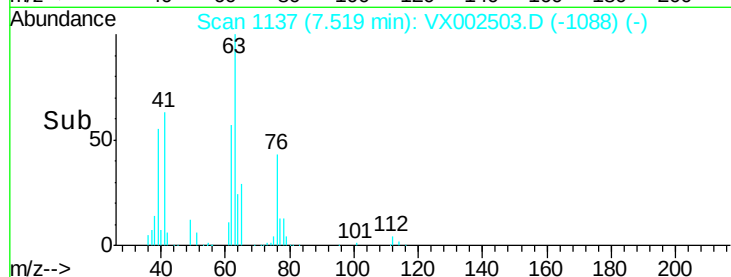
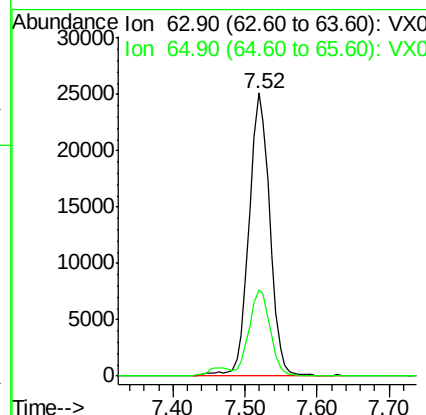
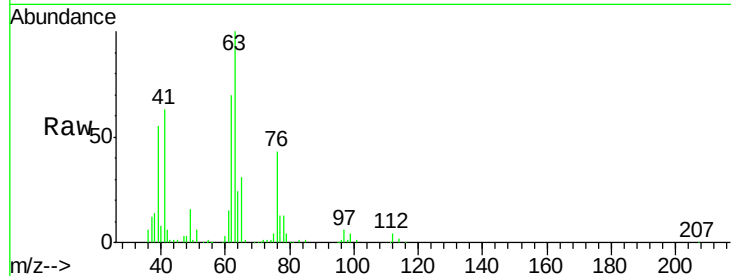
#45
 1,2-Dichloropropane
 Concen: 22.620 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion: 63 Resp: 50799
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

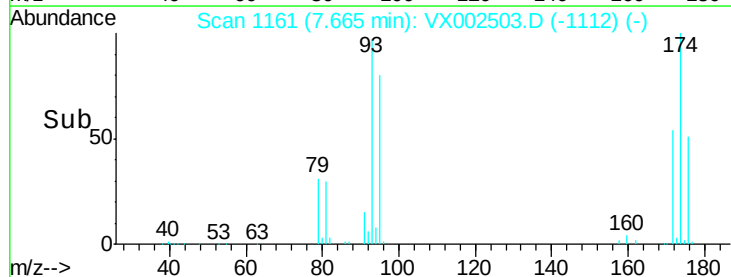
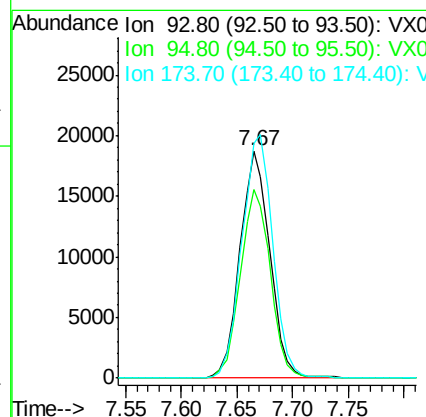
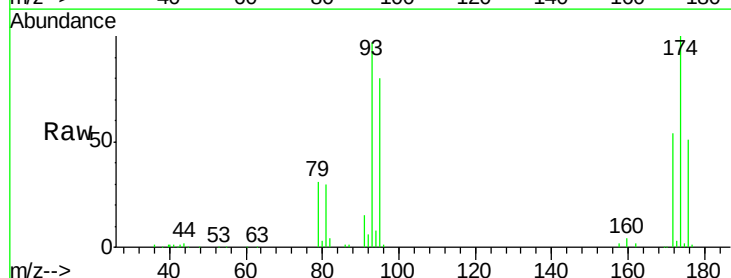
Manual Integrations
 APPROVED

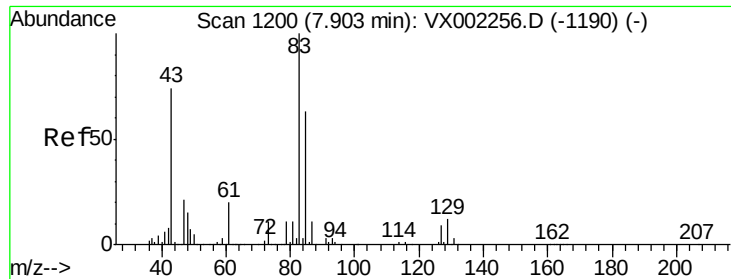
MMDadoda
 6/14/2018 11:29:23 AM



#46
 Dibromomethane
 Concen: 22.894 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion: 93 Resp: 34853
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 111.3 92.4 138.6





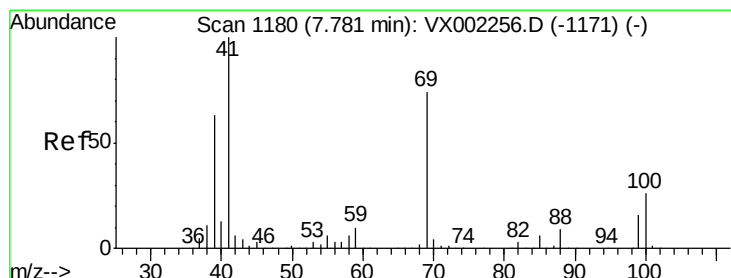
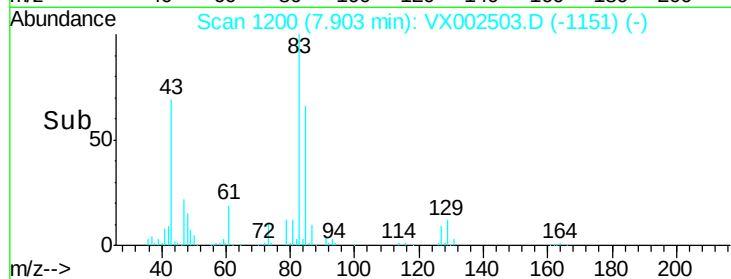
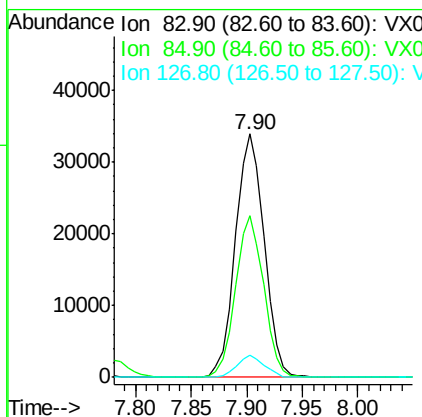
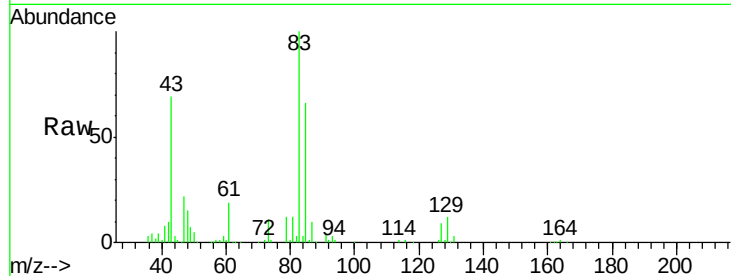
#47
Bromodichloromethane
Concen: 22.073 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.3	75.5
127	9.2	7.0	10.4

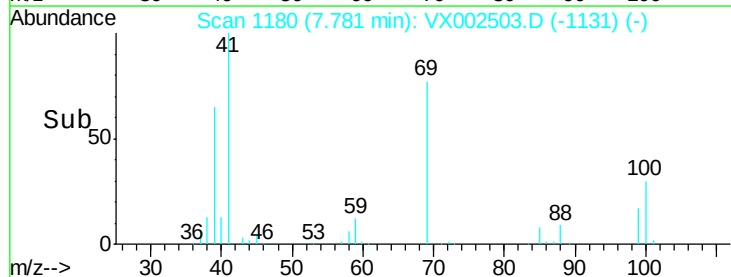
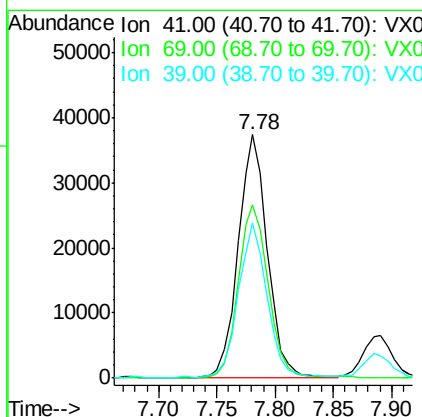
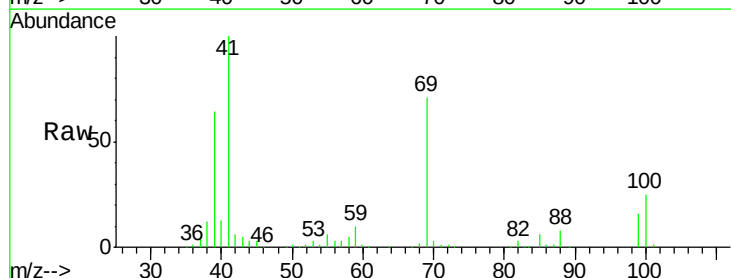
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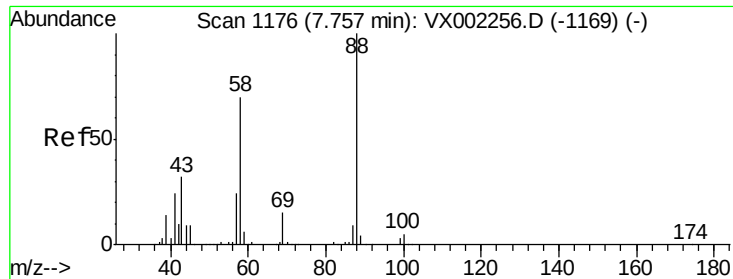
MMDadoda
6/14/2018 11:29:23 AM



#48
Methyl methacrylate
Concen: 23.294 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.4	59.1	88.7
39	62.5	48.9	73.3





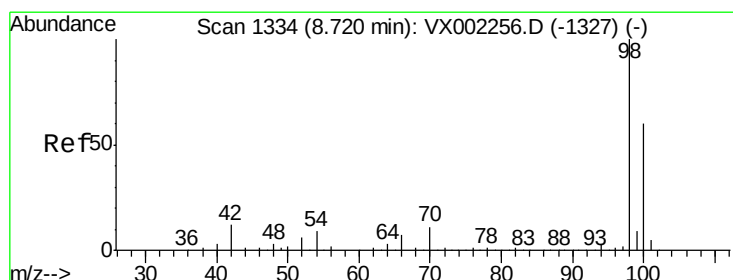
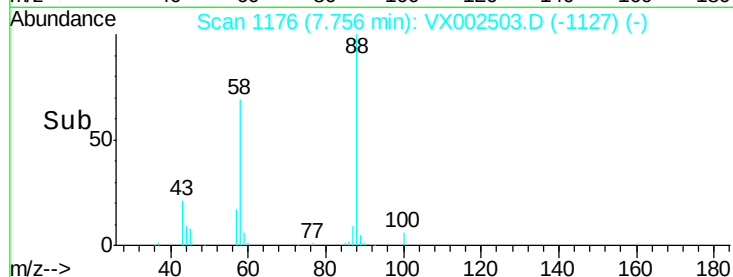
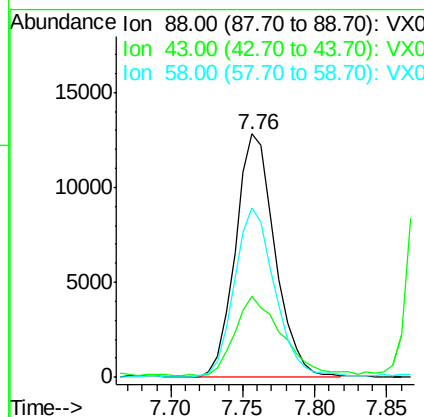
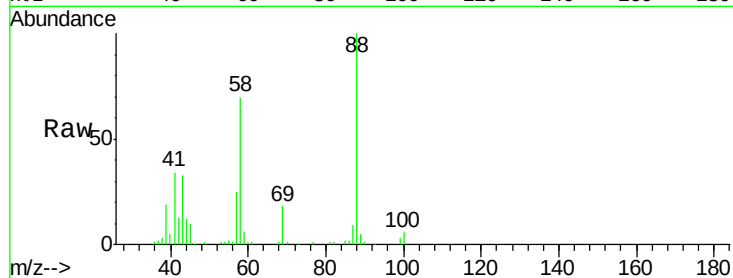
#49
1,4-Dioxane
Concen: 468.897 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	29.8	44.6
58	72.2	57.1	85.7

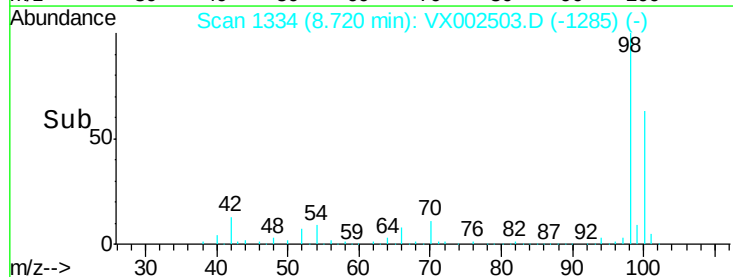
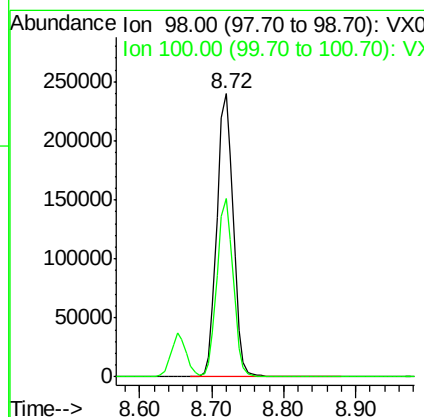
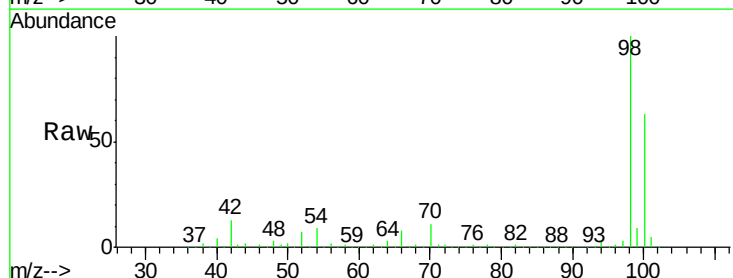
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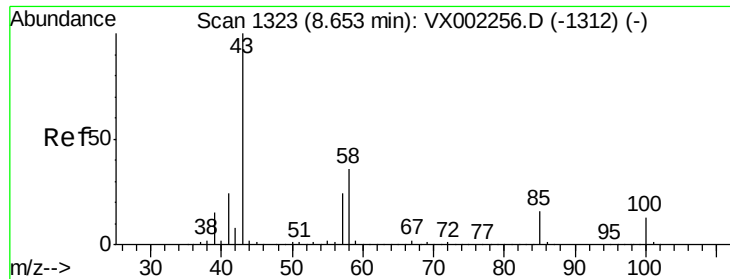
MMDadoda
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#50
Toluene-d8
Concen: 48.524 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 119.818 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0613WBS01

Tot Ion: 43 Resp: 413500

Ion Ratio Lower Upper

43 100

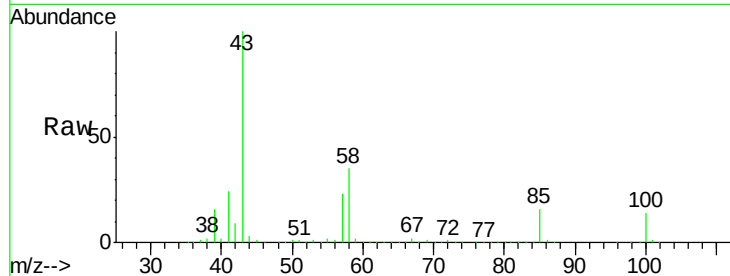
58 35.1 28.6 42.8

Manual Integrations

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MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

200000

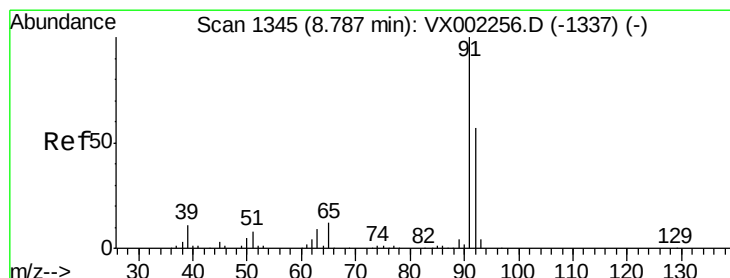
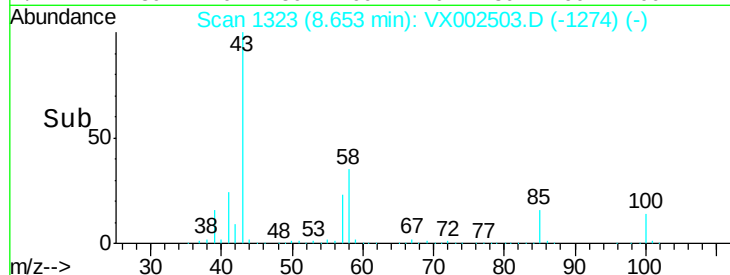
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.620 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002503.D

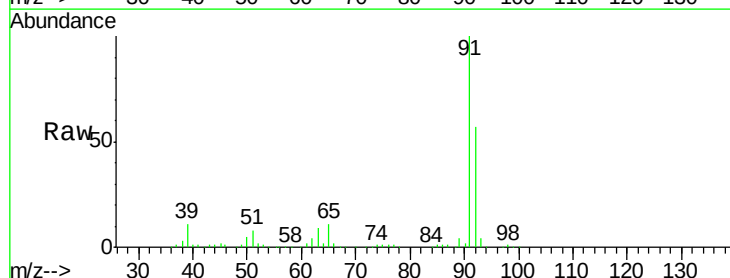
Acq: 13 Jun 2018 11:31

Tgt Ion: 92 Resp: 114385

Ion Ratio Lower Upper

92 100

91 177.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

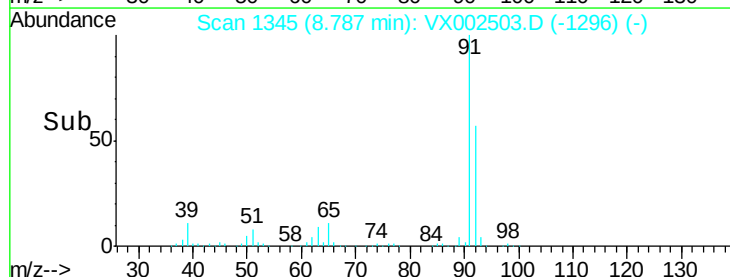
150000

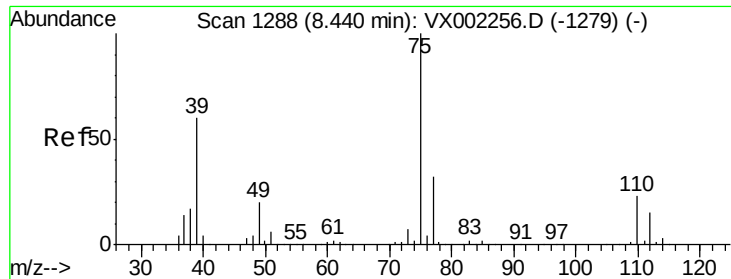
100000

50000

0

Time--> 8.70 8.80 8.90





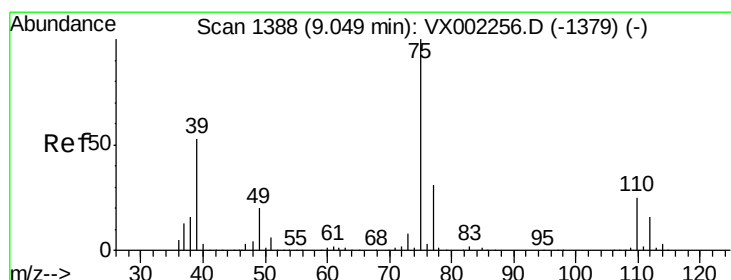
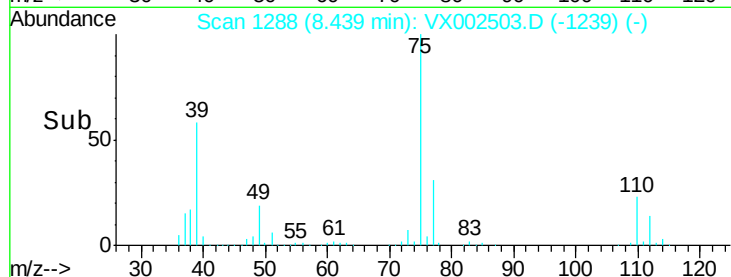
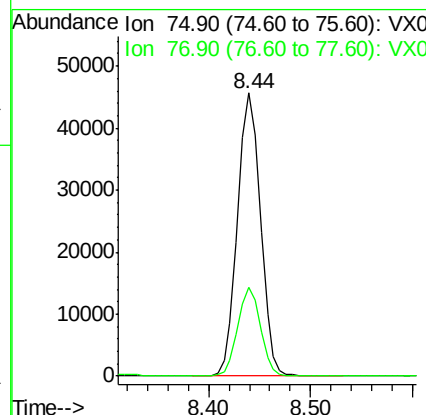
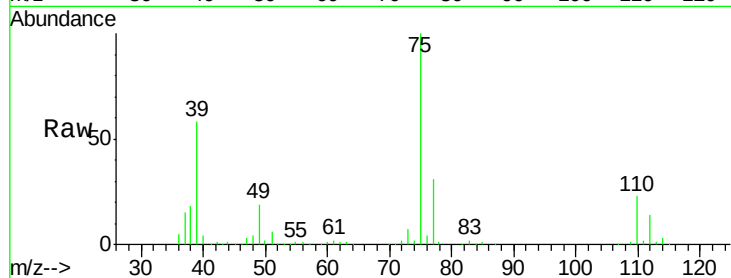
#53
t-1,3-Dichloropropene
Concen: 21.614 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampled :
VX0613WBS01

Tot Ion: 75 Resp: 71366
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

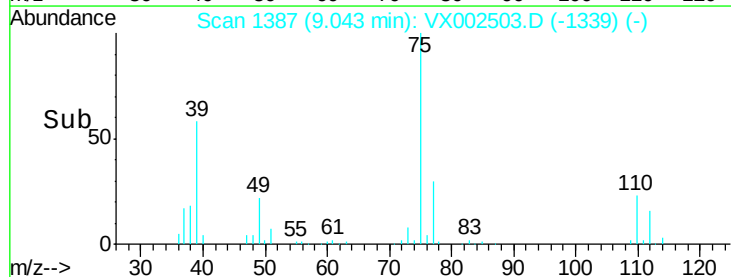
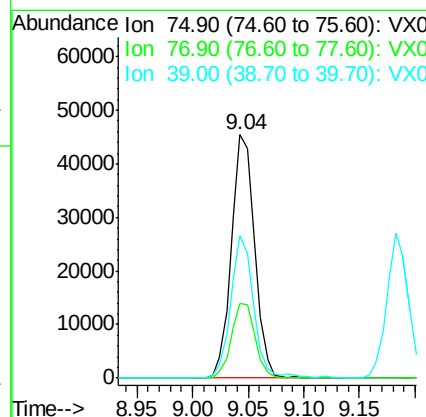
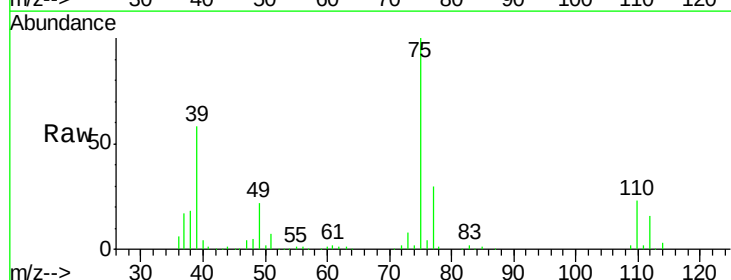
Manual Integrations
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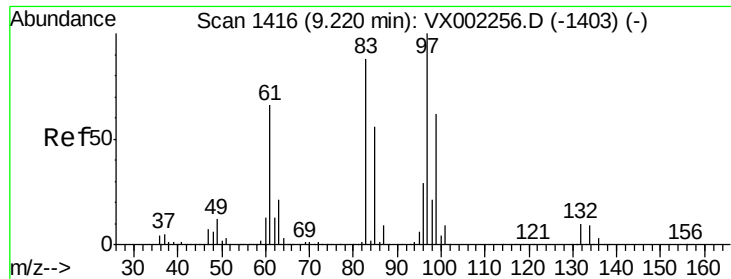
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#54
cis-1,3-Dichloropropene
Concen: 21.051 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 75 Resp: 65577
Ion Ratio Lower Upper
75 100
77 30.4 24.8 37.2
39 58.0 42.4 63.6





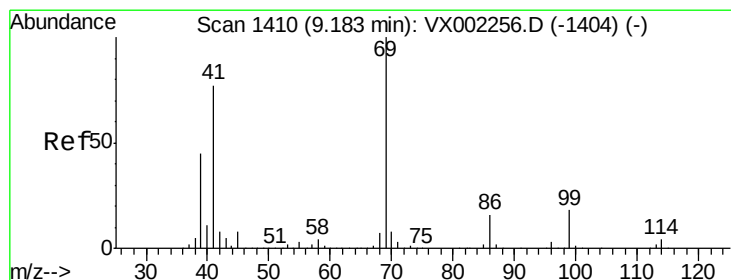
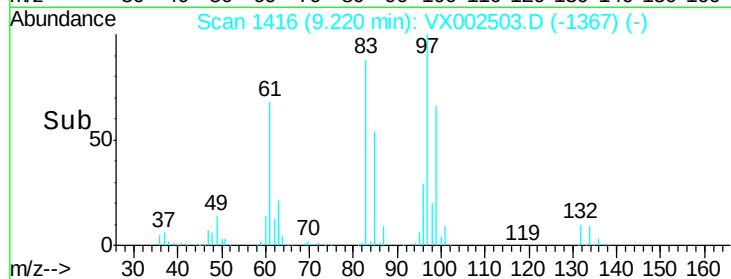
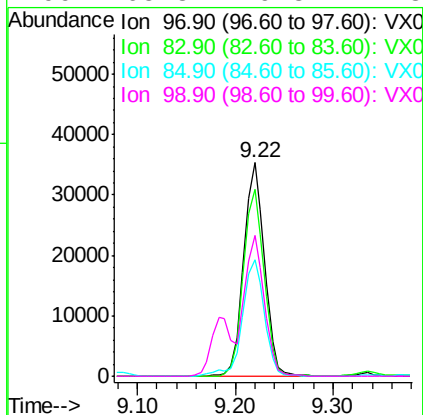
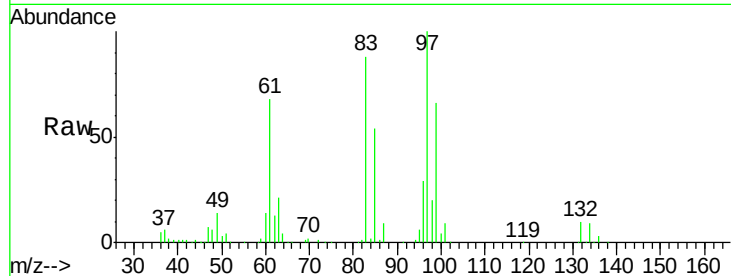
#55
1,1,2-Trichloroethane
Concen: 24.014 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion:	97	Resp:	52256
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.2	105.2
85	54.3	44.9	67.3
99	65.8	49.8	74.8

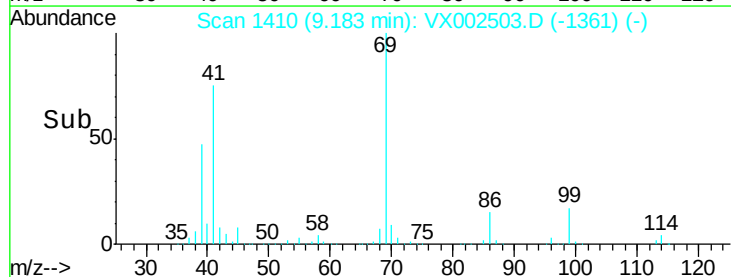
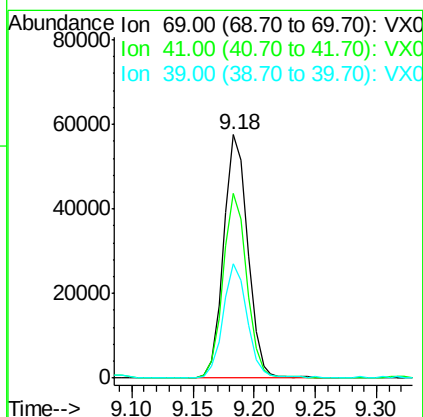
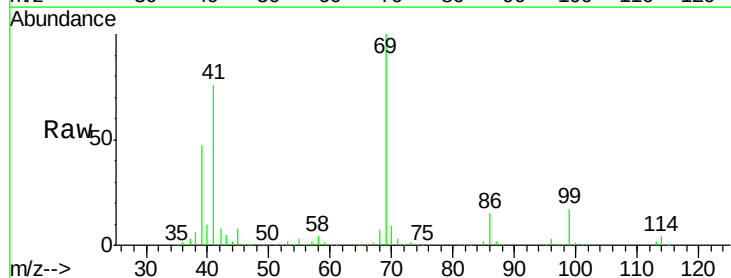
Manual Integrations
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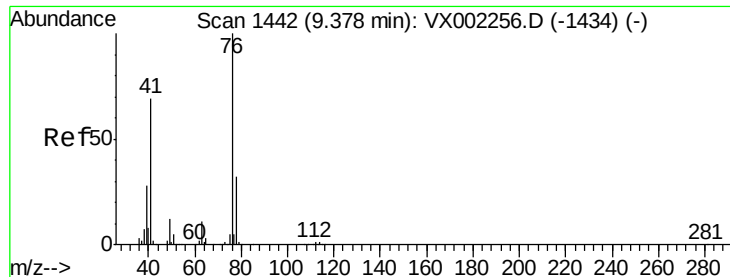
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6/14/2018 11:29:23 AM



#56
Ethyl methacrylate
Concen: 22.766 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:	69	Resp:	79092
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.3	90.5
39	46.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 23.882 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 76 Resp: 87183

Ion Ratio Lower Upper

76 100

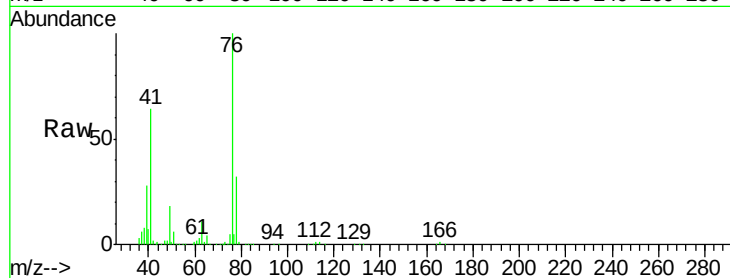
78 32.7 25.8 38.6

Manual Integrations

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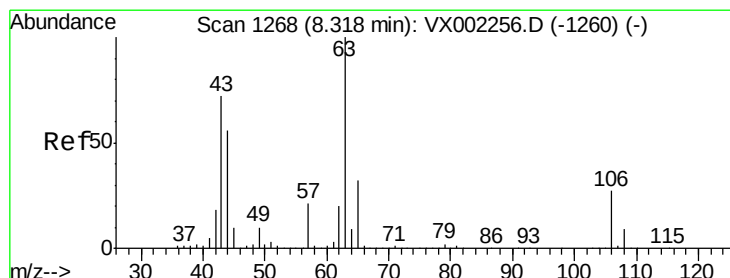
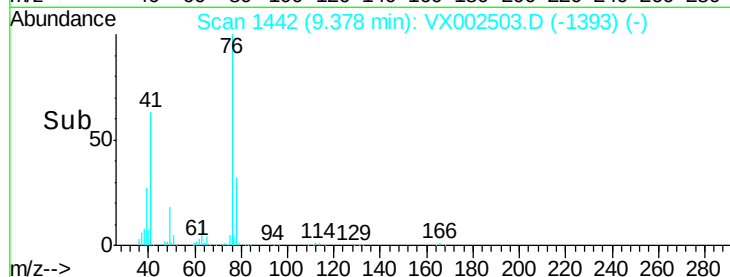
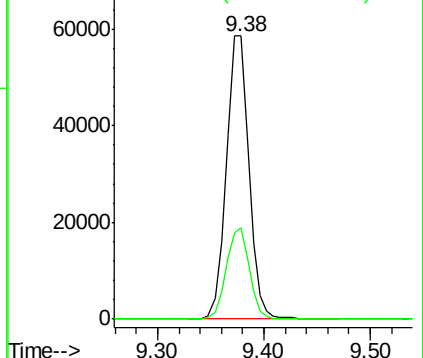
MMDadoda

6/14/2018 11:29:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.084 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002503.D

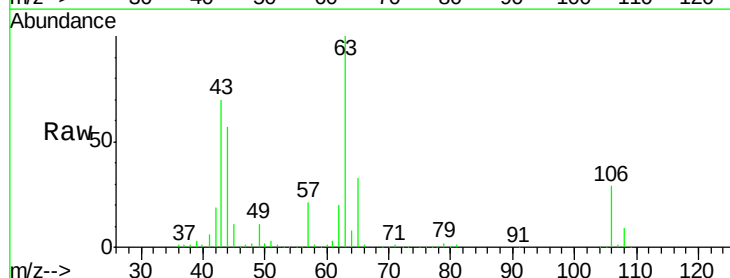
Acq: 13 Jun 2018 11:31

Tgt Ion: 63 Resp: 164145

Ion Ratio Lower Upper

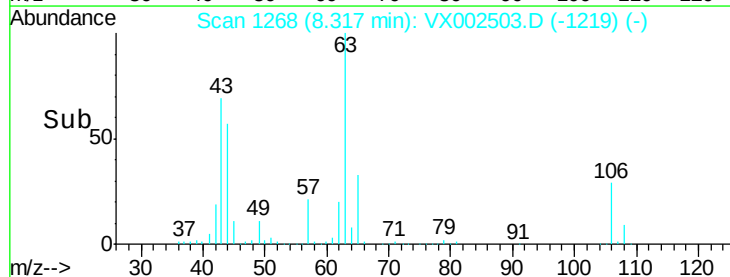
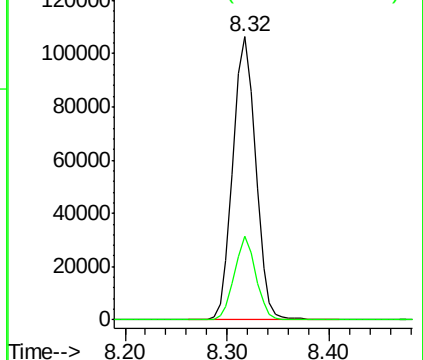
63 100

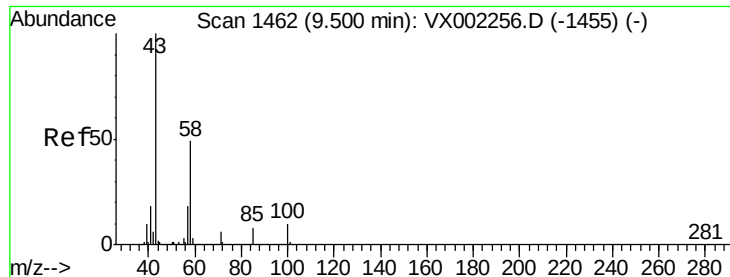
106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





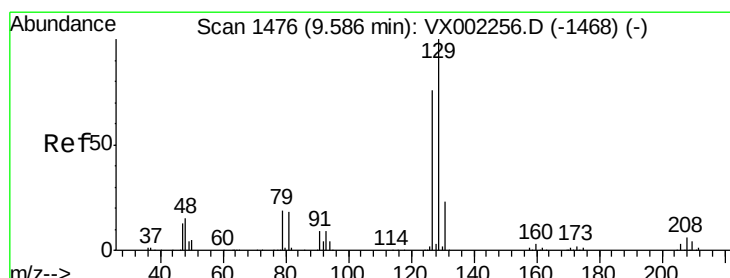
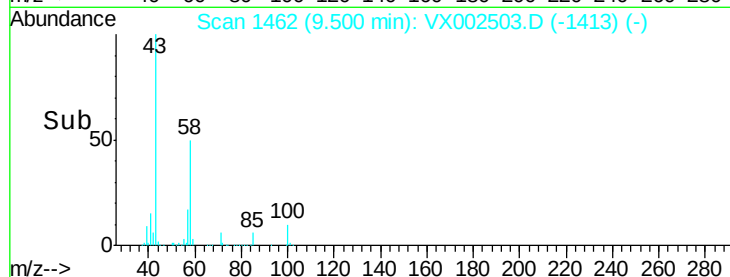
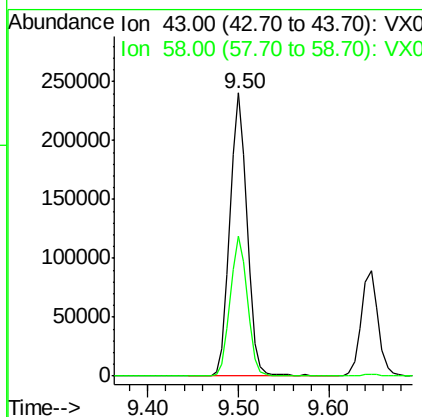
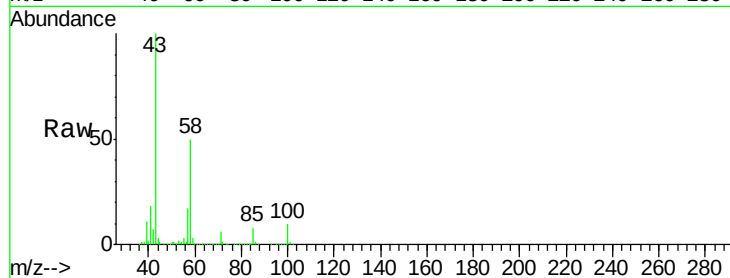
#59
2-Hexanone
Concen: 119.201 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.6	73.6

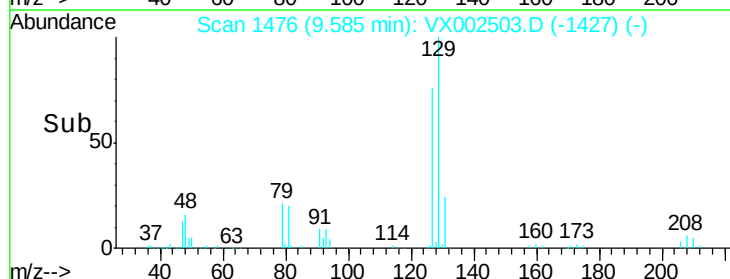
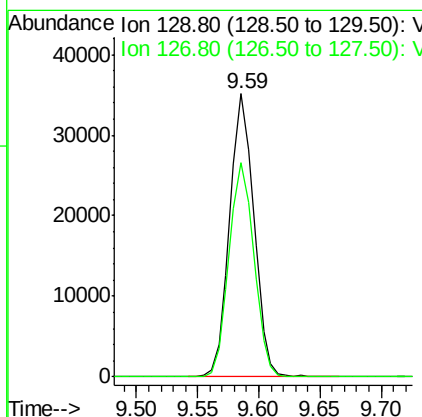
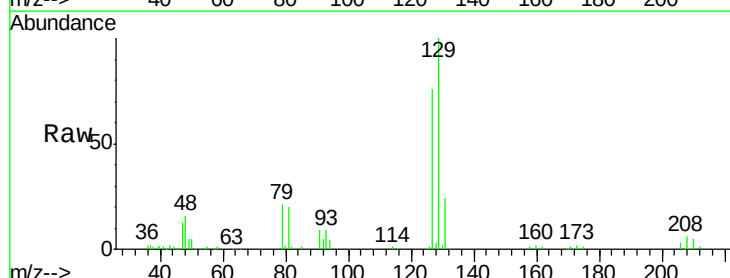
Manual Integrations
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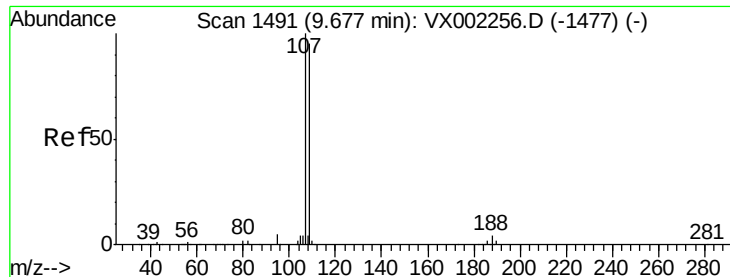
MMDadoda
6/14/2018 11:29:23 AM



#60
Dibromochloromethane
Concen: 22.058 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 23.349 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0613WBS01

Tot Ion:107 Resp: 52976

Ion Ratio Lower Upper

107 100

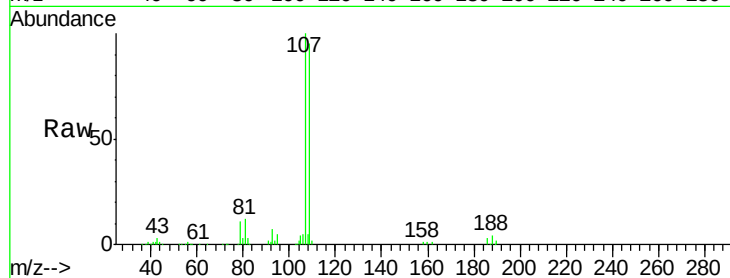
109 95.4 75.3 112.9

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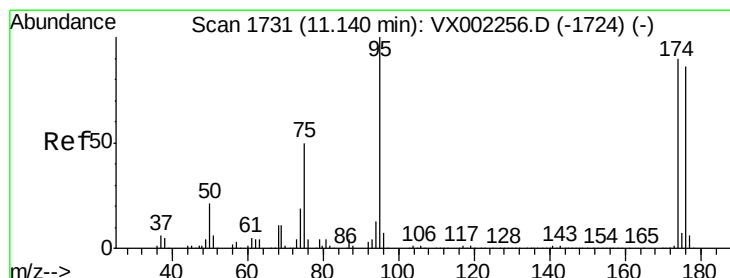
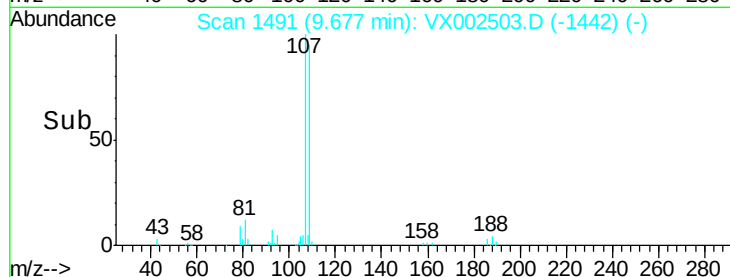
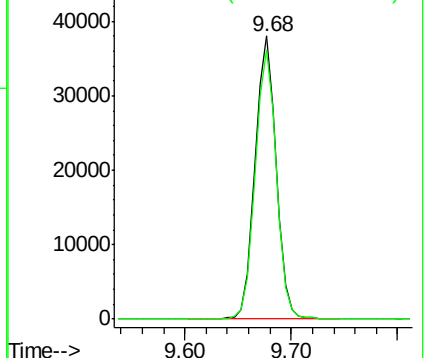
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.001 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

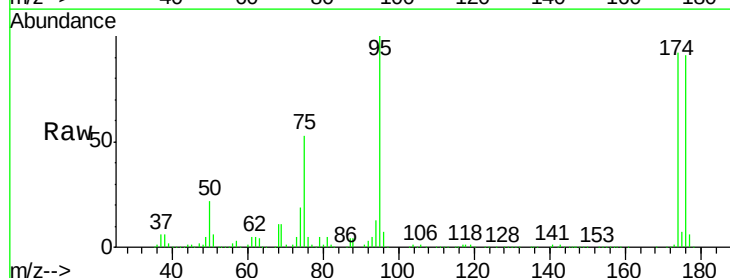
Tgt Ion: 95 Resp: 146984

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

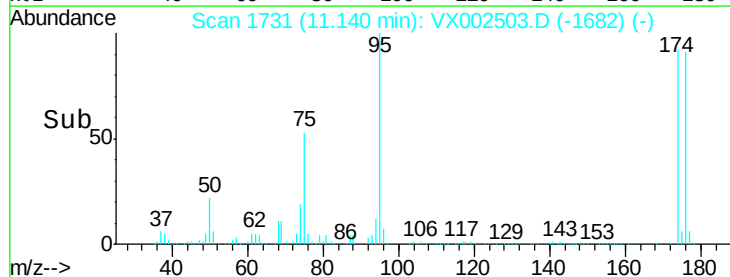
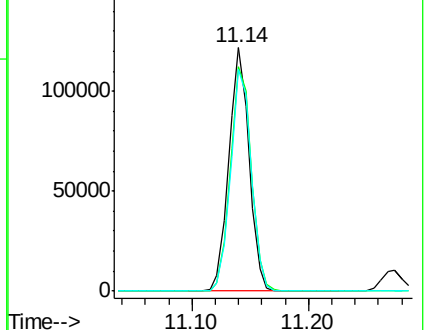
176 93.8 0.0 181.0

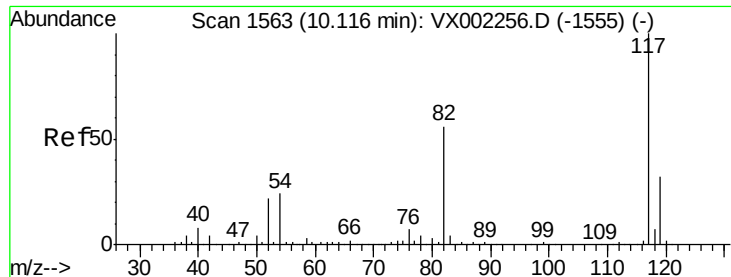


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





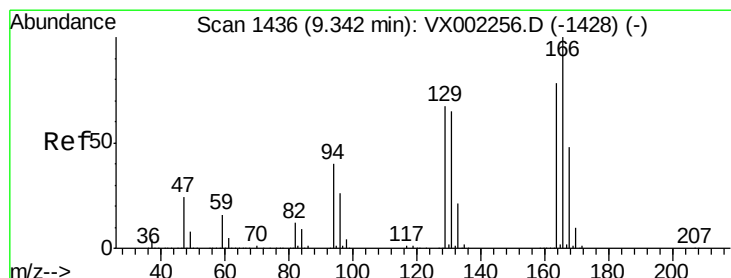
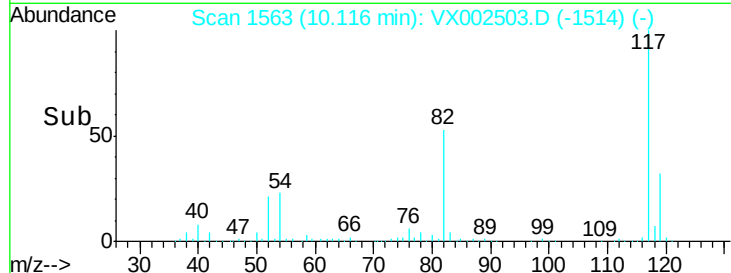
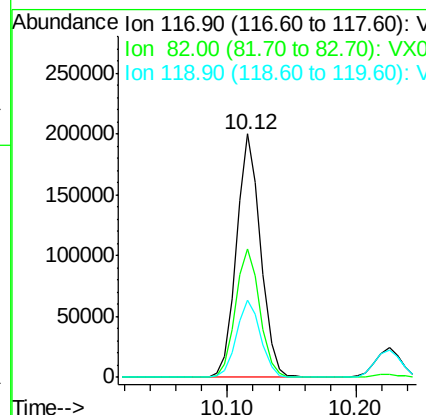
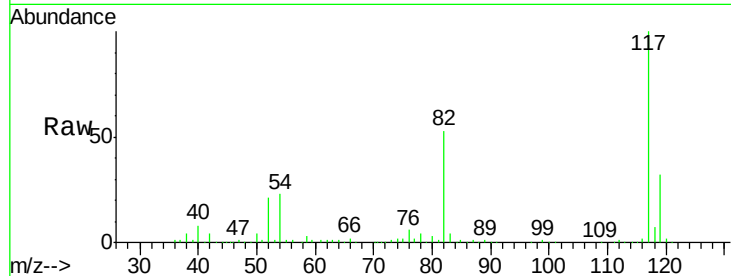
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.0	67.4
119	31.5	25.8	38.6

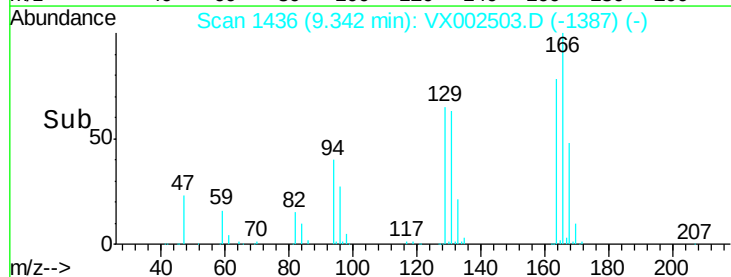
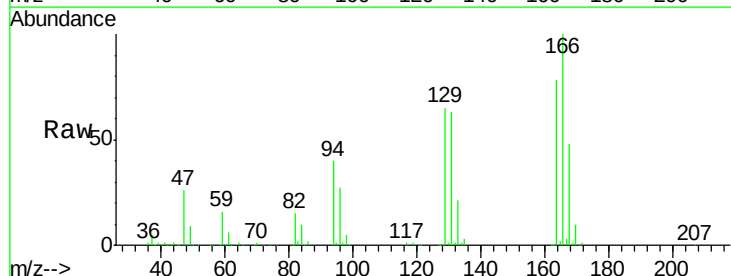
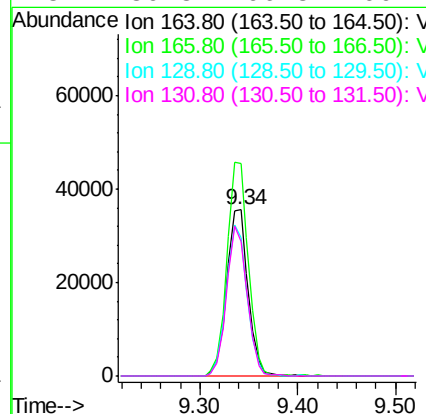
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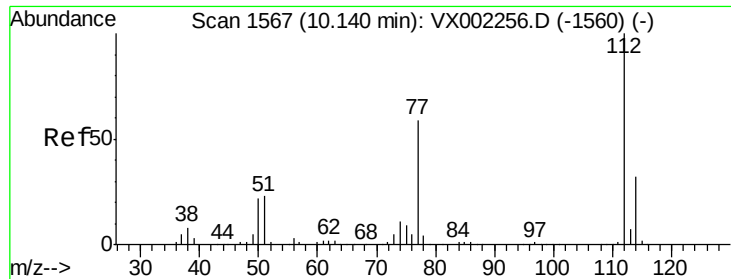
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#64
Tetrachloroethene
Concen: 19.991 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.9	154.3
129	83.4	68.6	102.8
131	80.8	66.8	100.2





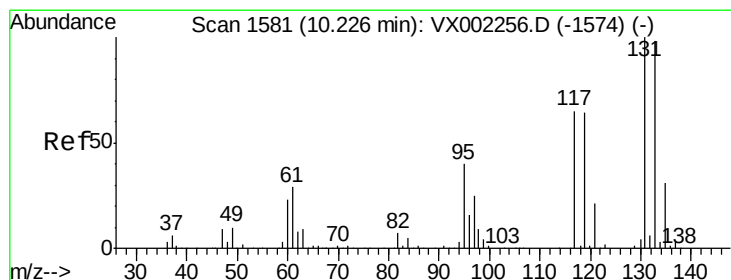
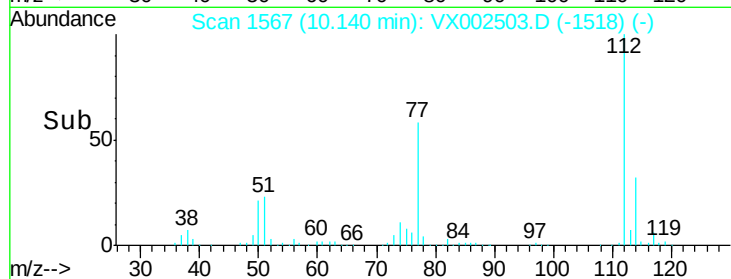
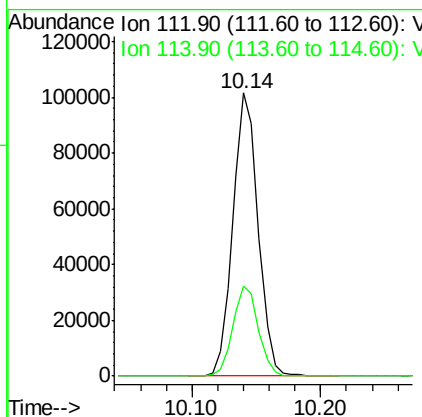
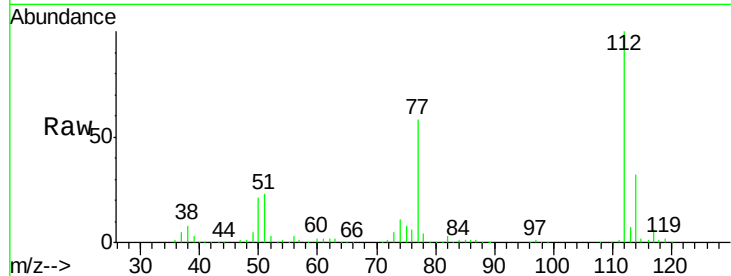
#65
Chlorobenzene
Concen: 21.353 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion:112 Resp: 138679
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

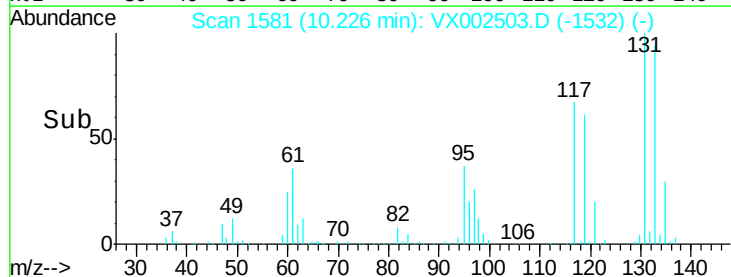
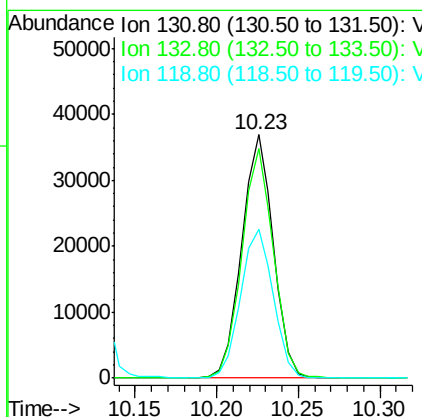
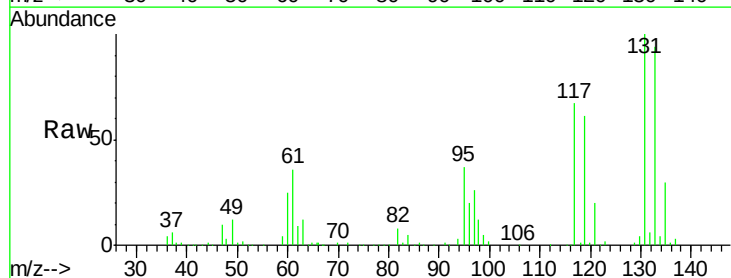
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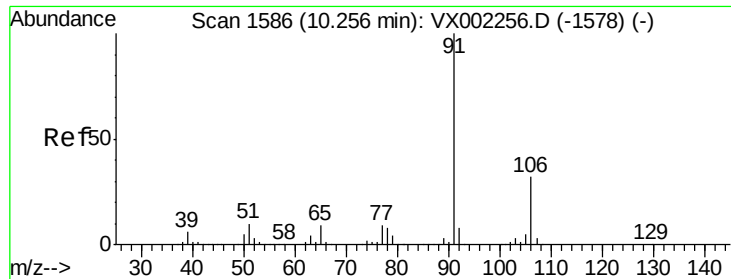
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.130 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:131 Resp: 49691
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.6
119 63.3 31.8 95.3





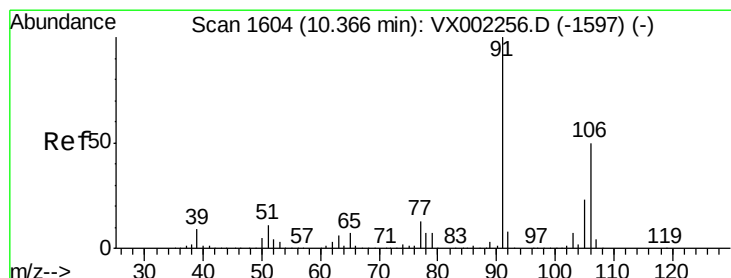
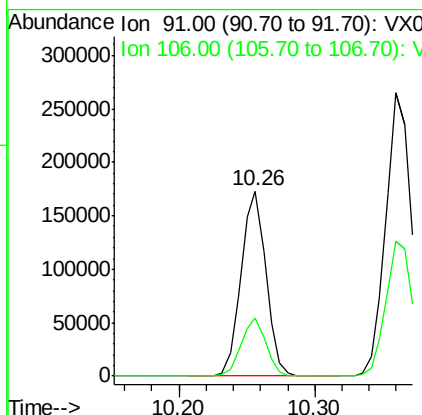
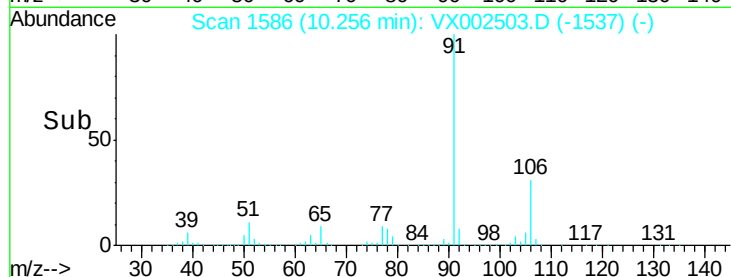
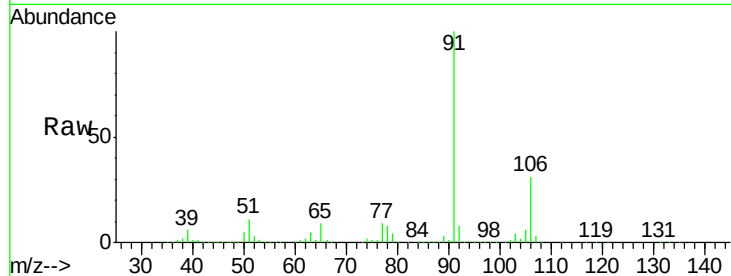
#67
Ethyl Benzene
Concen: 20.428 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion: 91 Resp: 222031
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

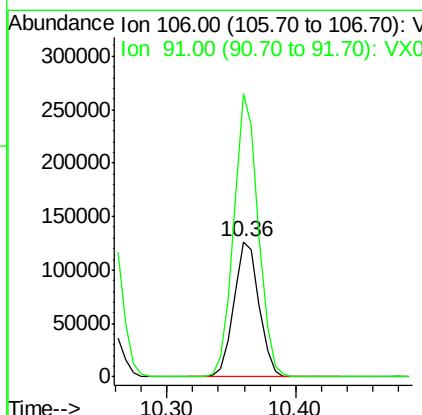
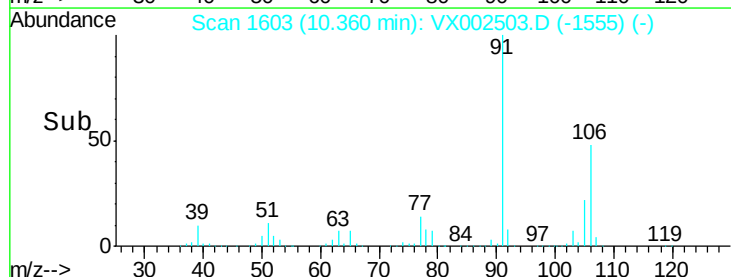
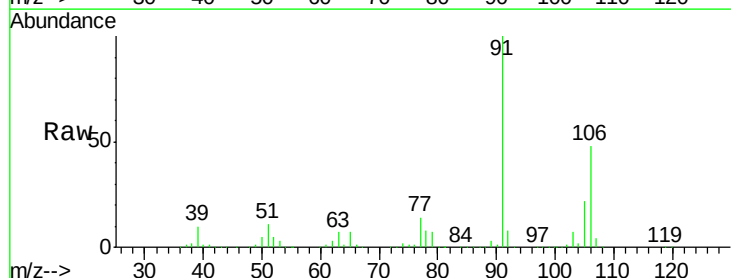
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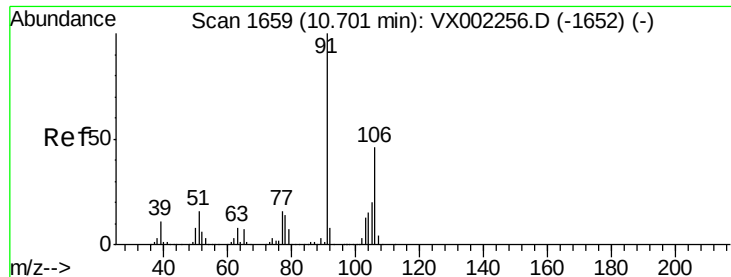
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#68
m/p-Xylenes
Concen: 40.914 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion: 106 Resp: 172865
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2





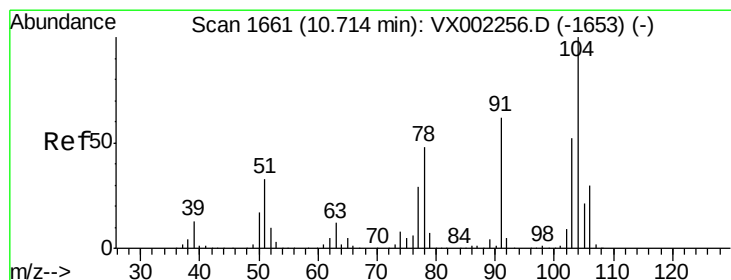
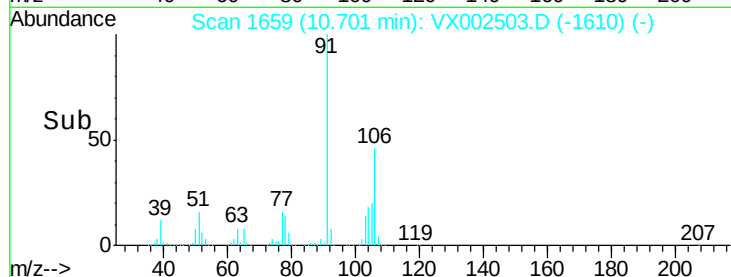
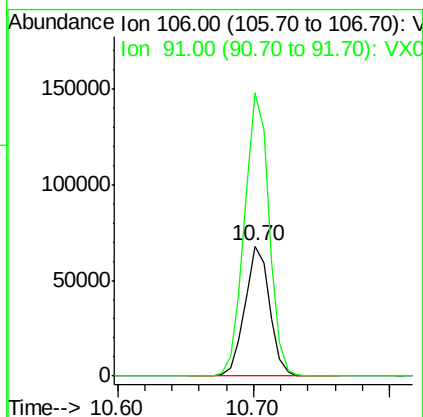
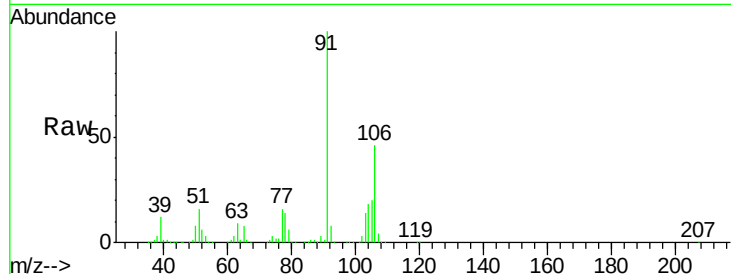
#69
o-Xylene
Concen: 20.553 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion:106 Resp: 86417
Ion Ratio Lower Upper
106 100
91 217.7 108.2 324.6

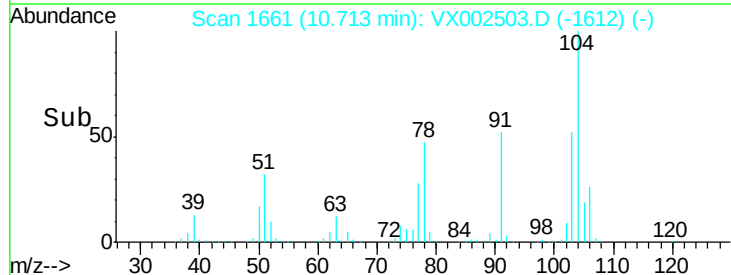
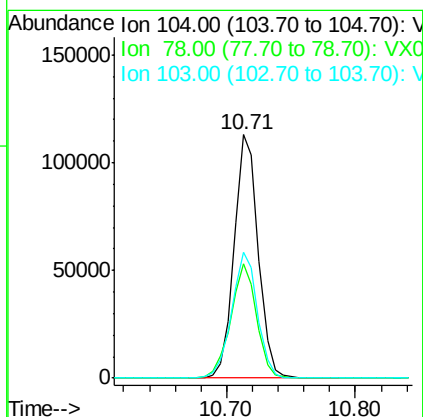
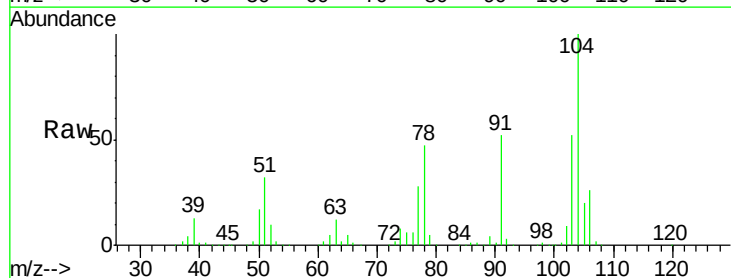
Manual Integrations
APPROVED

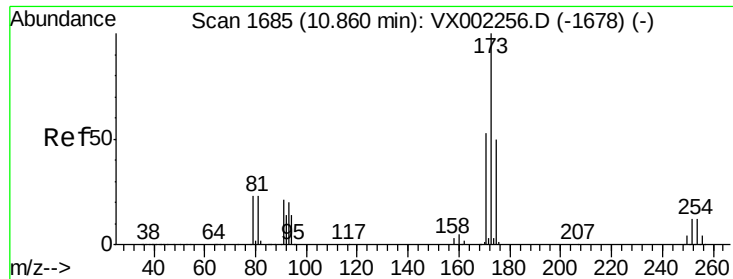
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#70
Styrene
Concen: 21.379 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion:104 Resp: 146946
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 55.6 44.2 66.4





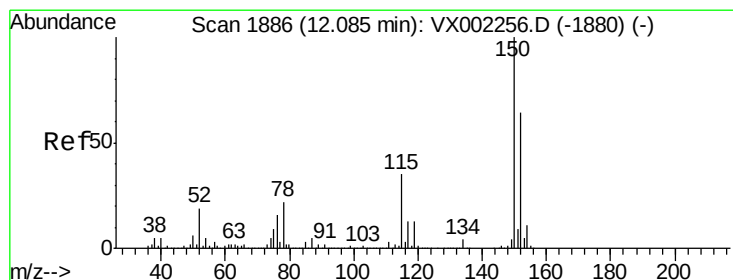
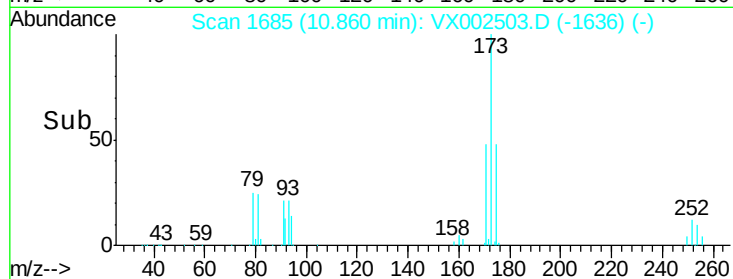
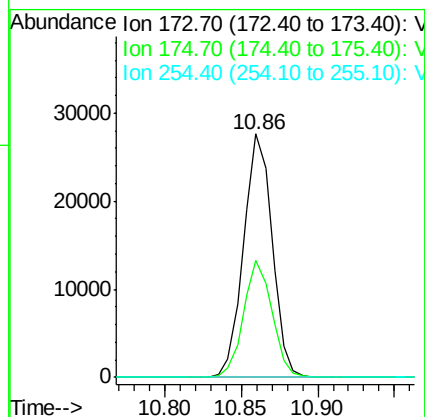
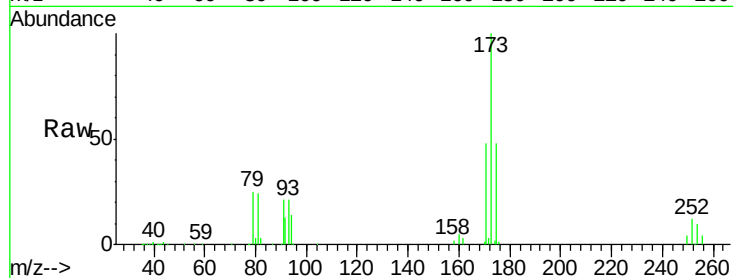
#71
Bromoform
Concen: 19.334 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.0	0.2	0.2

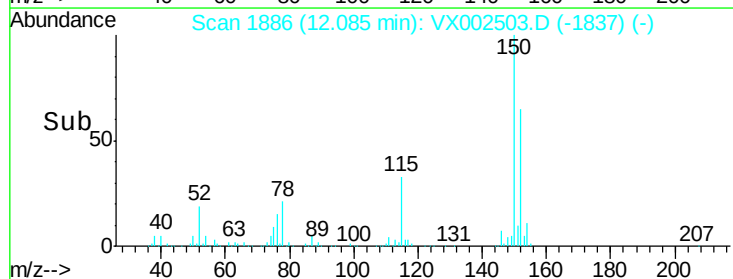
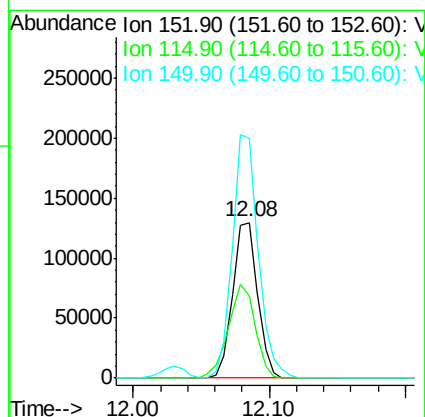
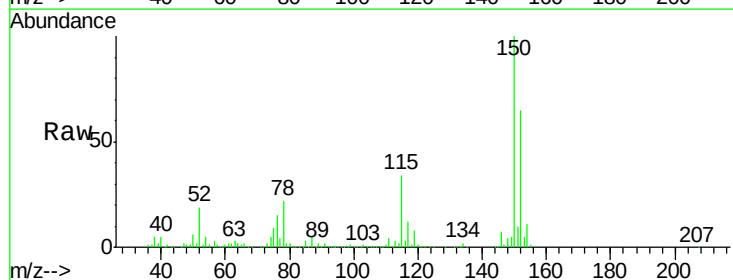
Manual Integrations
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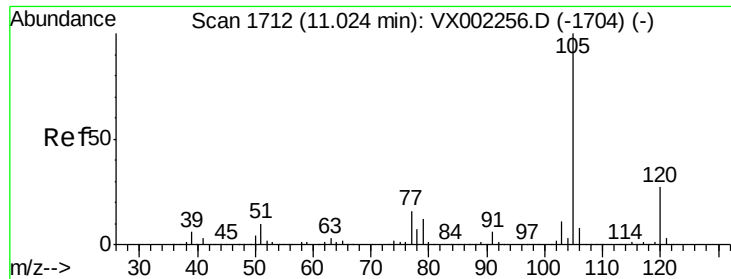
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	40.1	120.2
150	163.2	0.0	347.2





#73

Isopropylbenzene

Concen: 19.542 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 105 Resp: 223919

Ion Ratio Lower Upper

105 100

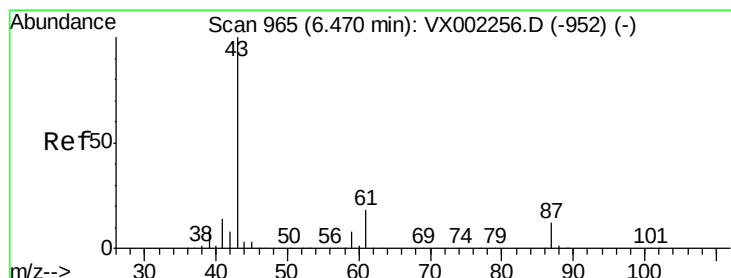
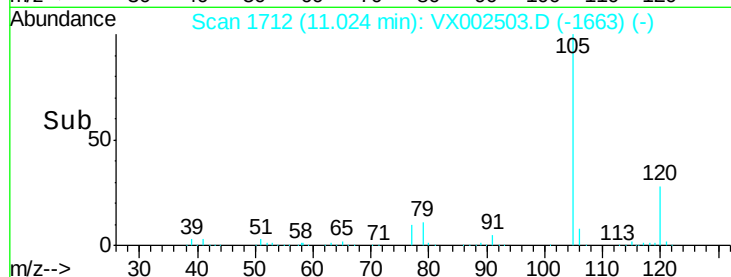
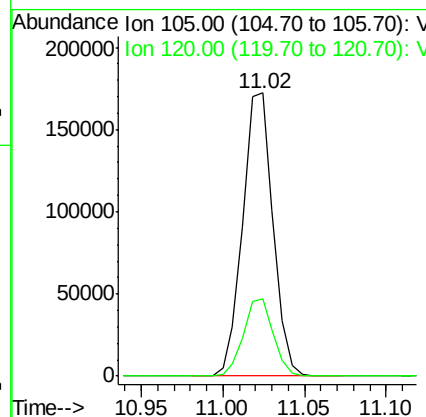
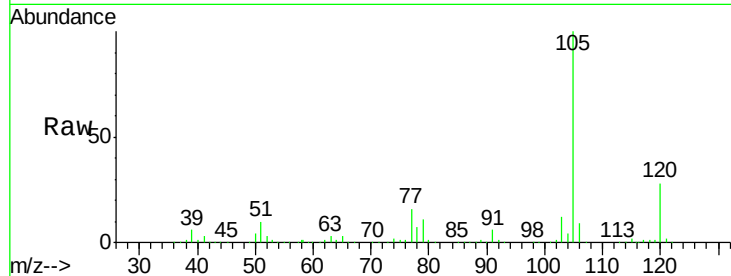
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.867 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion: 43 Resp: 122660

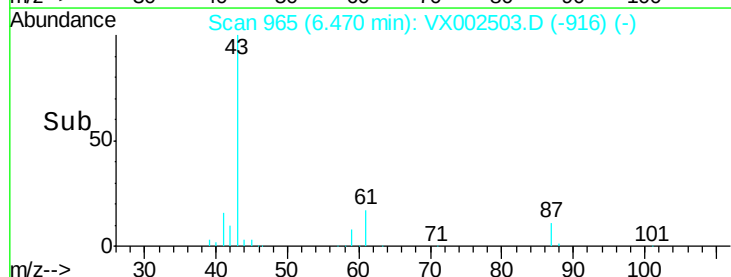
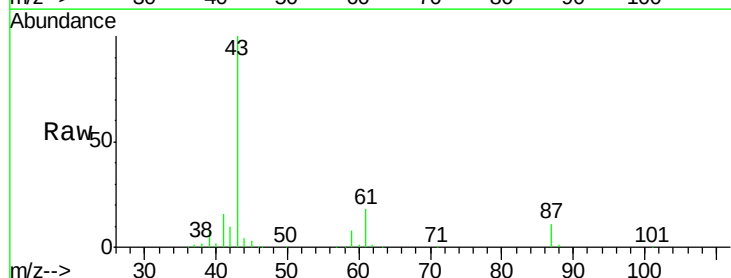
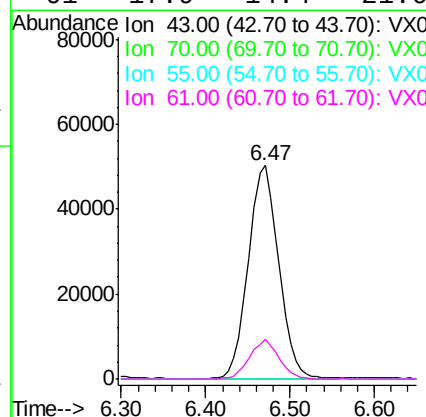
Ion Ratio Lower Upper

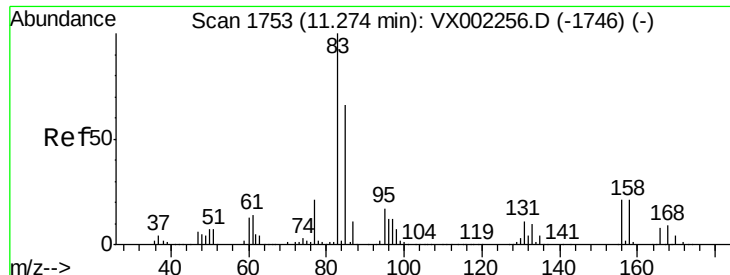
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.582 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

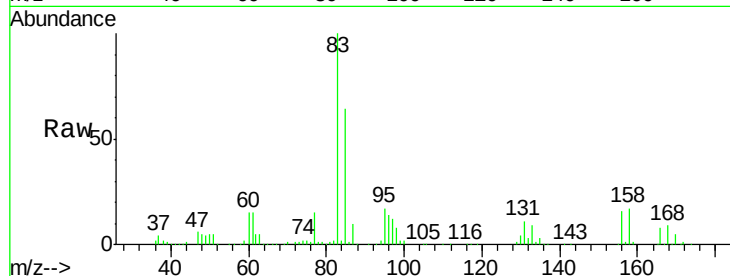
ClientSampleId :

VX0613WBS01

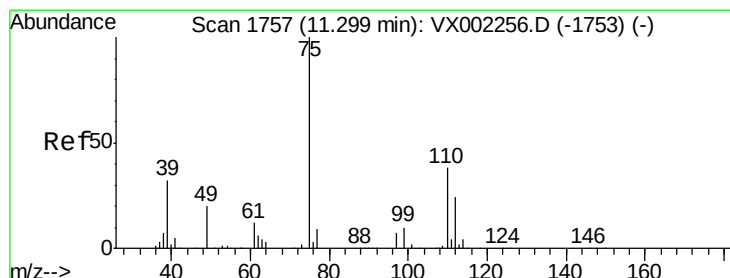
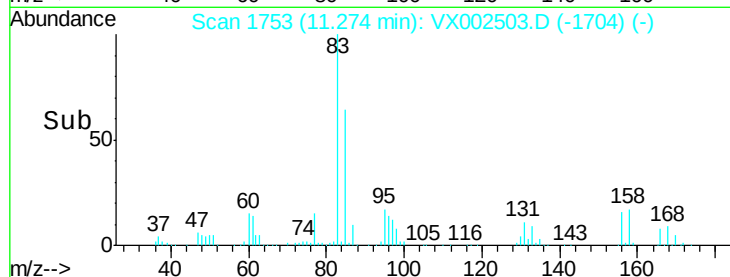
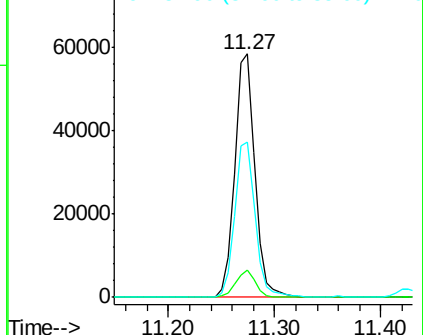
Tot Ion:	83	Resp:	77778
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	65.2	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.770 ug/l m

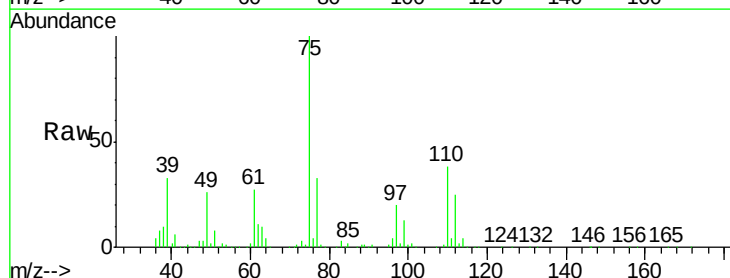
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

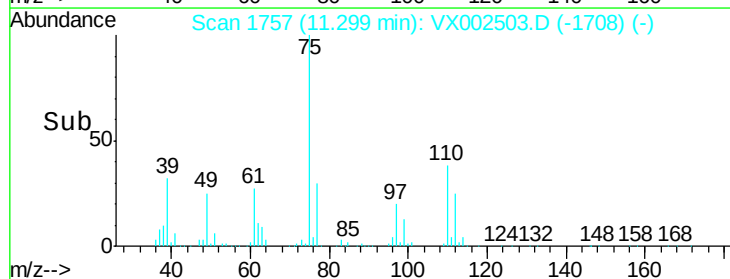
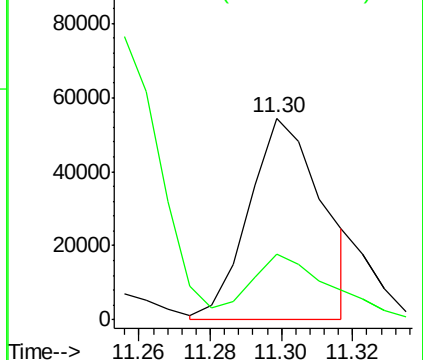
Lab File: VX002503.D

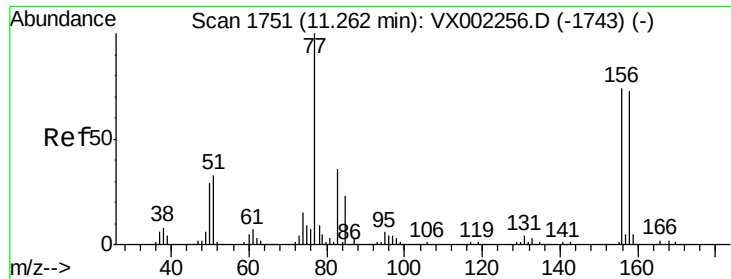
Acq: 13 Jun 2018 11:31

Tgt Ion:	75	Resp:	78683
Ion	Ratio	Lower	Upper
75	100		
77	35.9	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.552 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

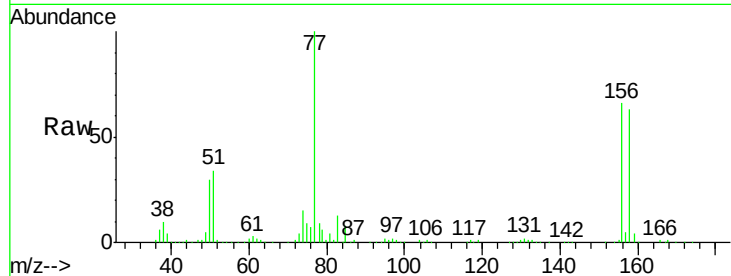
ClientSampleId :

VX0613WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.9	71.4	214.2
158	98.5	48.9	146.6

Manual Integrations
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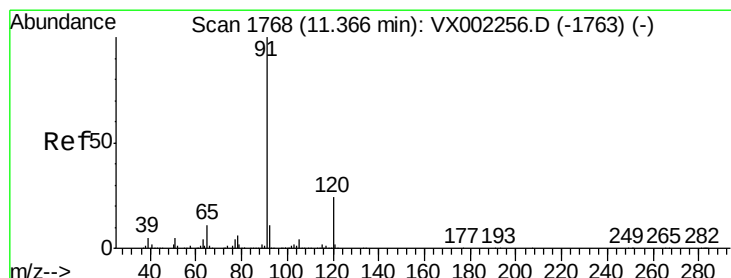
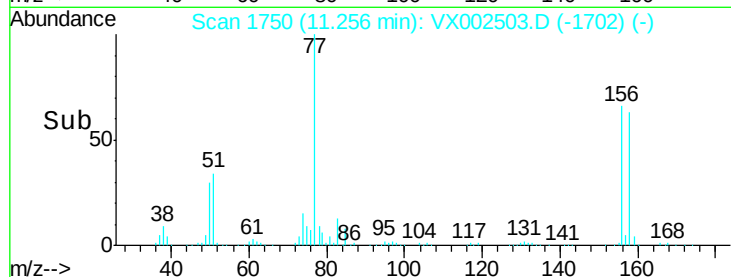
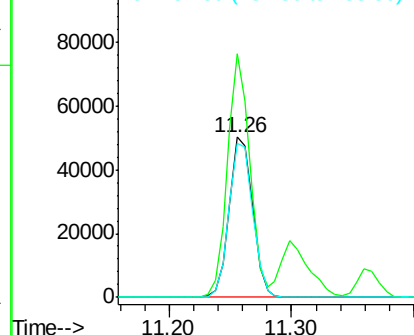
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.322 ug/l

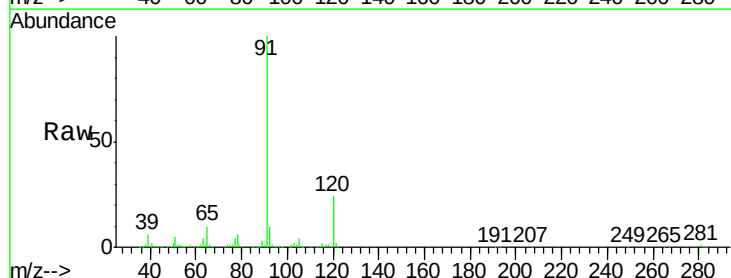
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002503.D

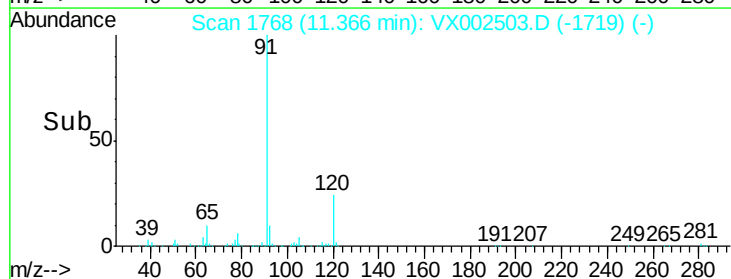
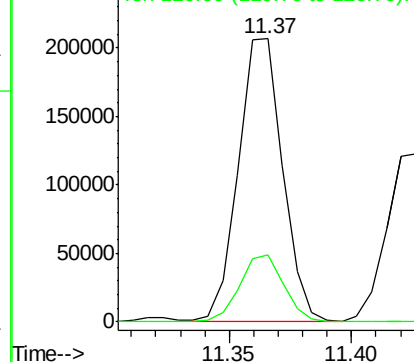
Acq: 13 Jun 2018 11:31

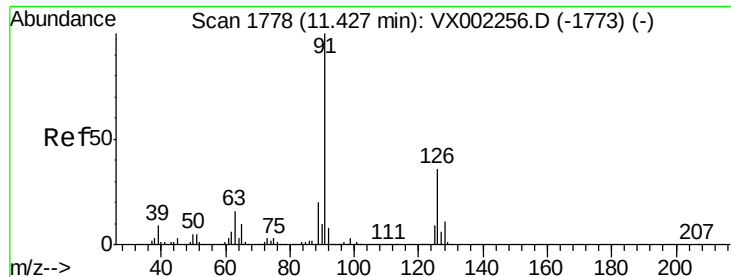
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.091 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 91 Resp: 161569

Ion Ratio Lower Upper

91 100

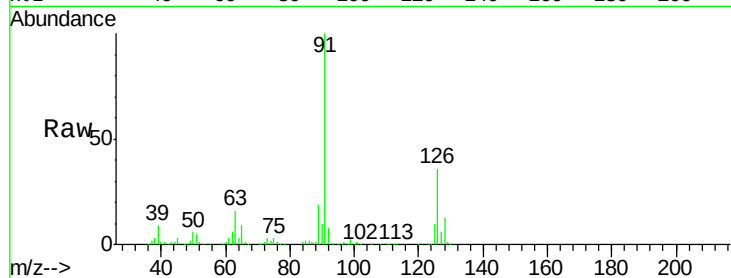
126 35.7 17.7 53.1

Manual Integrations

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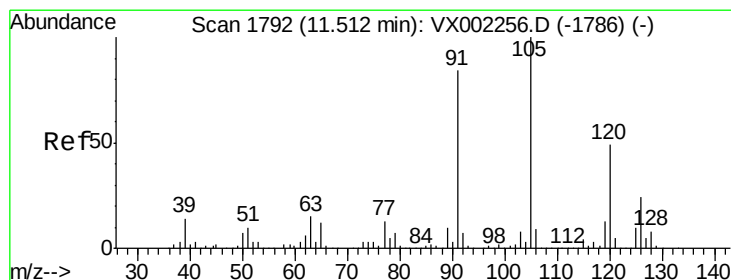
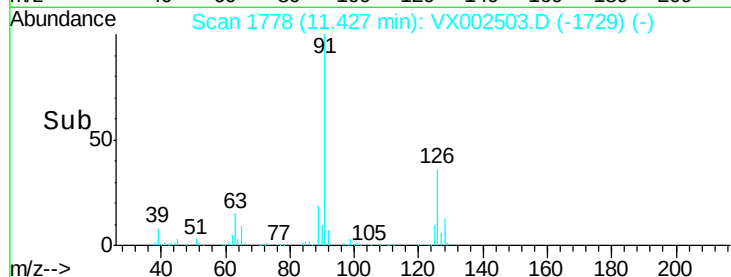
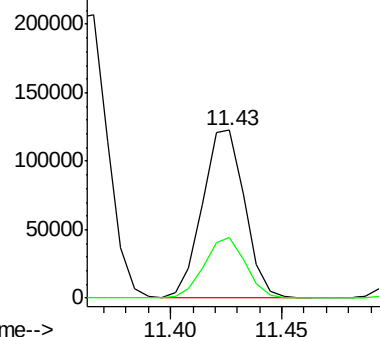
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.827 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002503.D

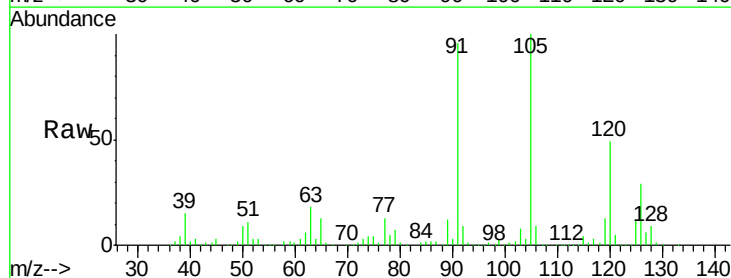
Acq: 13 Jun 2018 11:31

Tgt Ion: 105 Resp: 194862

Ion Ratio Lower Upper

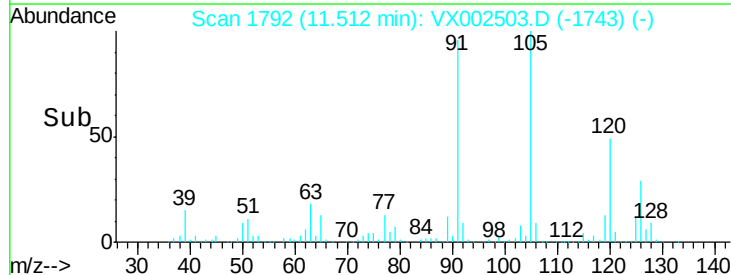
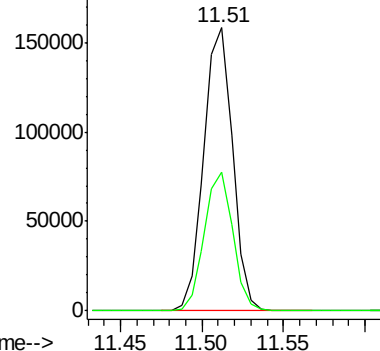
105 100

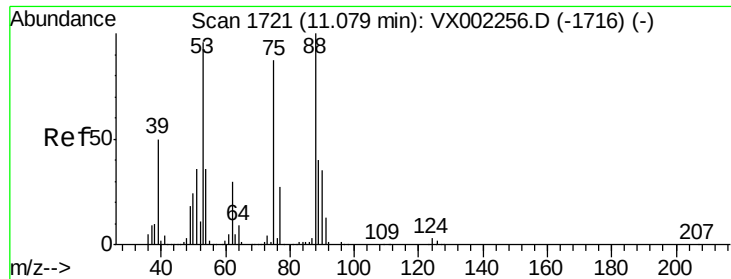
120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





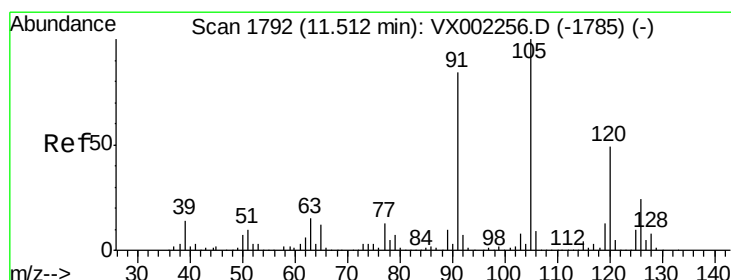
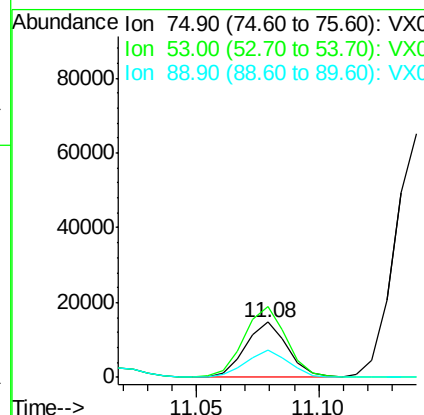
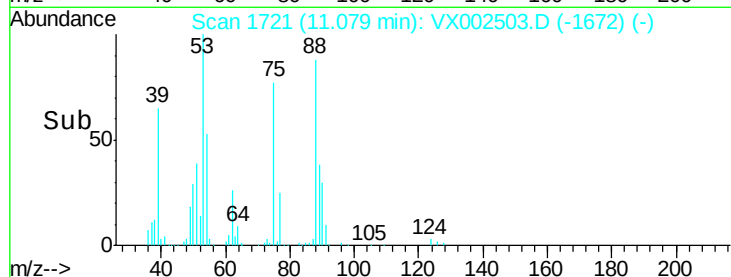
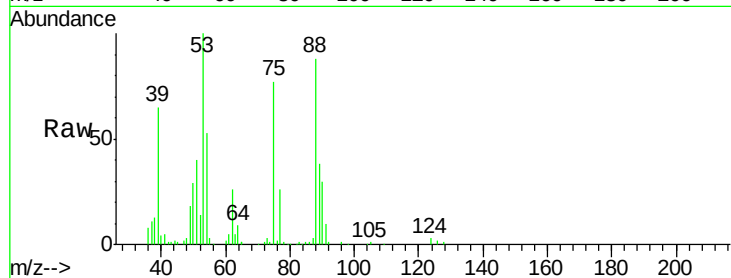
#81
trans-1,4-Dichloro-2-butene
Concen: 17.183 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampled :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.6	86.8	130.2#
89	50.5	38.2	57.2

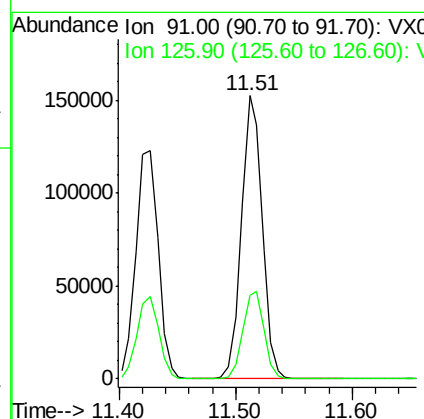
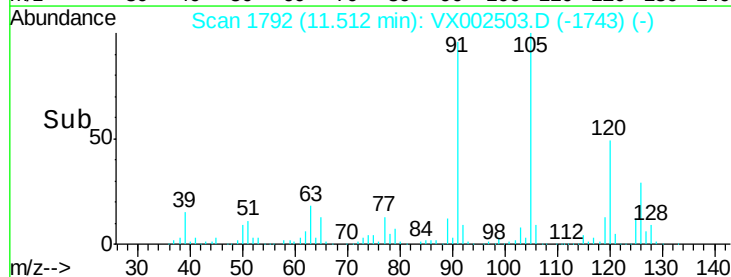
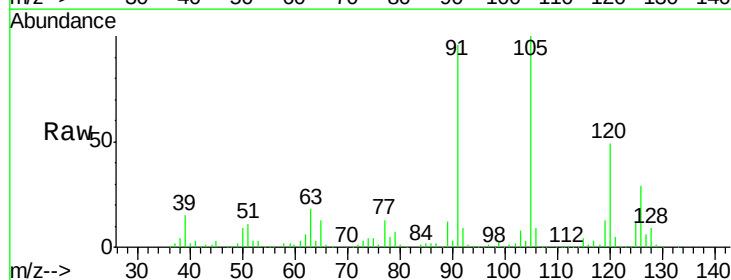
Manual Integrations
APPROVED

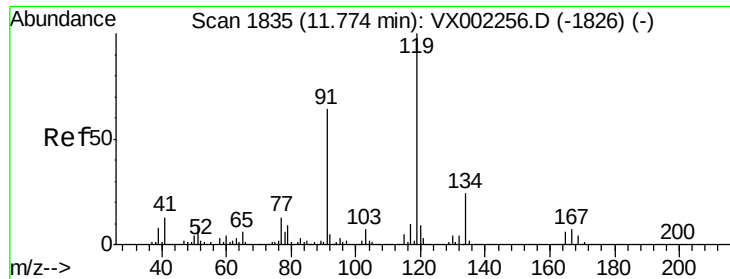
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#82
4-Chlorotoluene
Concen: 20.519 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.4





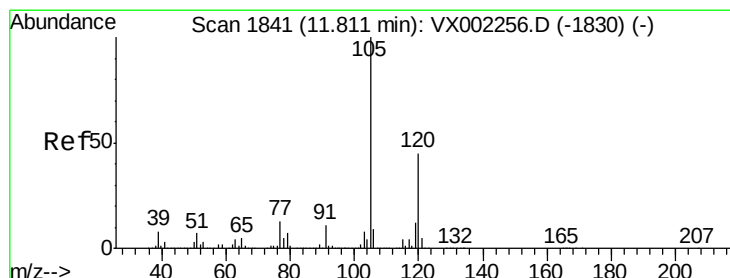
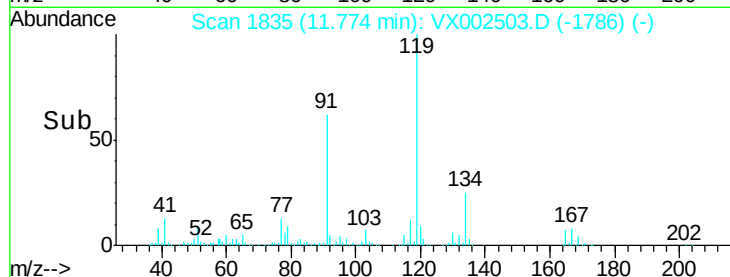
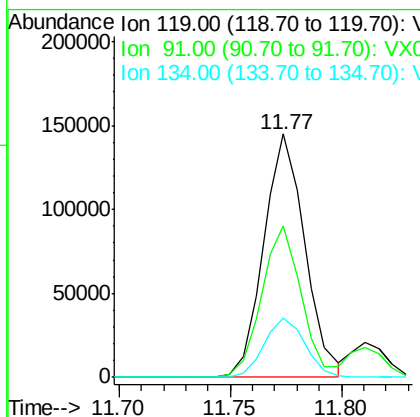
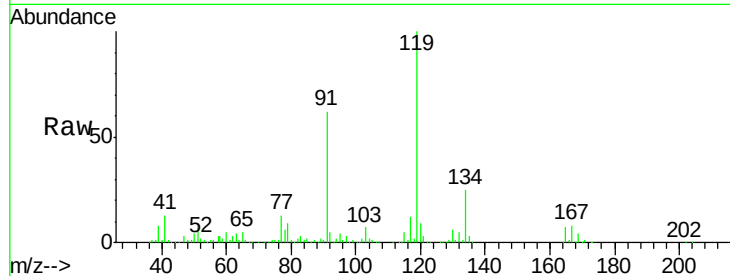
#83
tert-Butylbenzene
Concen: 19.407 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	185734		
91	60.4		30.3	90.9
134	24.4		11.7	35.1

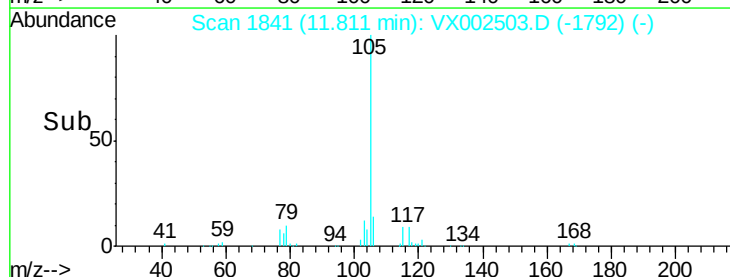
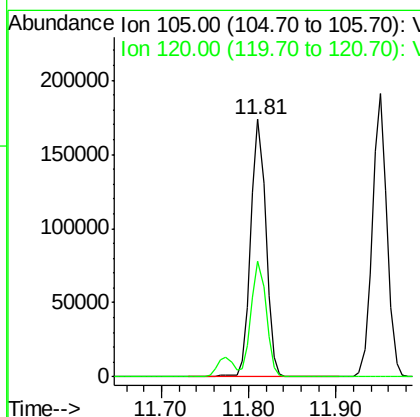
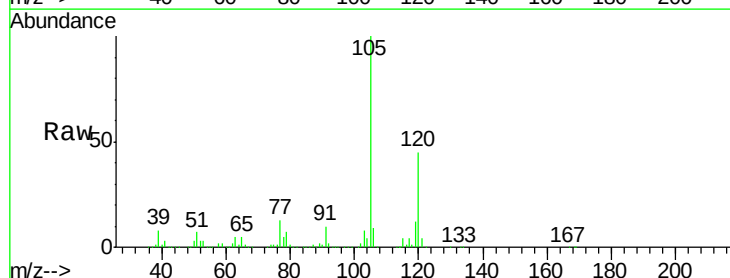
Manual Integrations
APPROVED

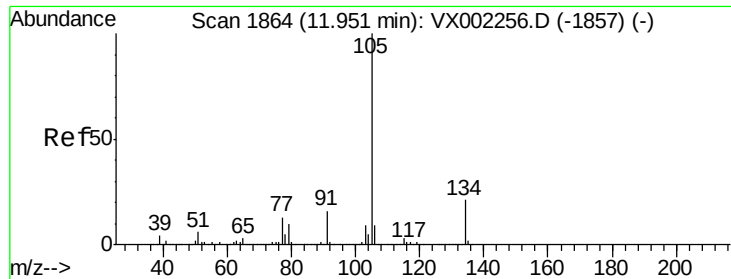
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#84
1,2,4-Trimethylbenzene
Concen: 20.376 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002503.D
Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206147		
120	45.0		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.122 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:105 Resp: 225768

Ion Ratio Lower Upper

105 100

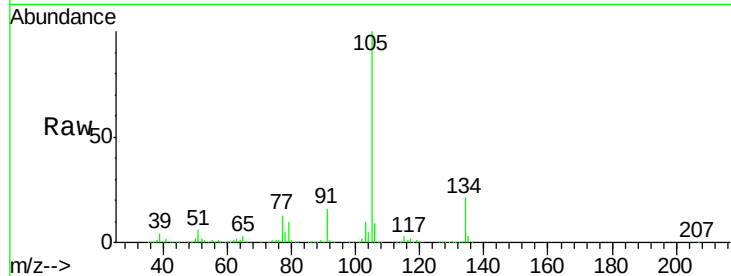
134 20.9 10.4 31.1

Manual Integrations

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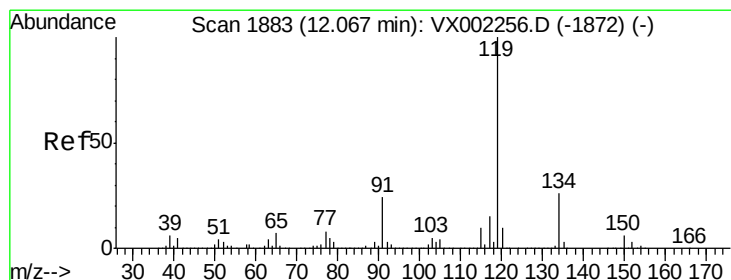
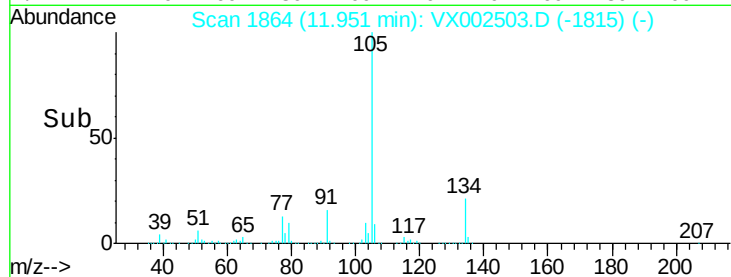
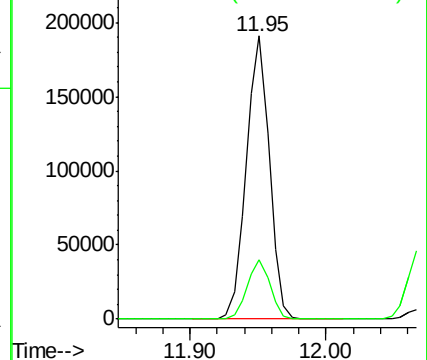
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.207 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

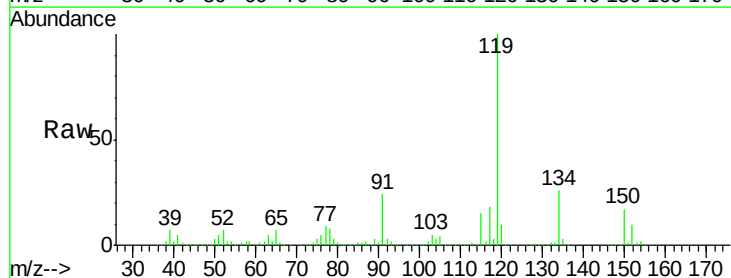
Tgt Ion:119 Resp: 206512

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

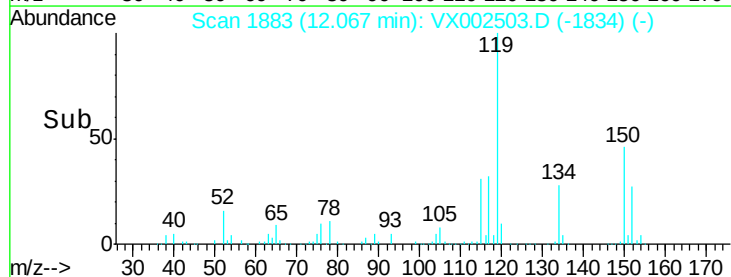
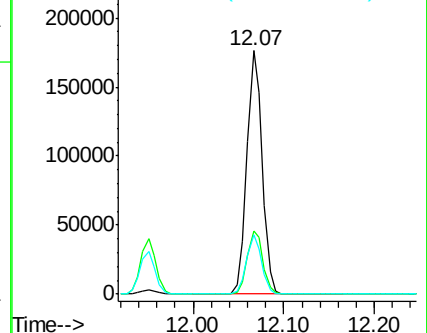
91 23.9 11.9 35.7

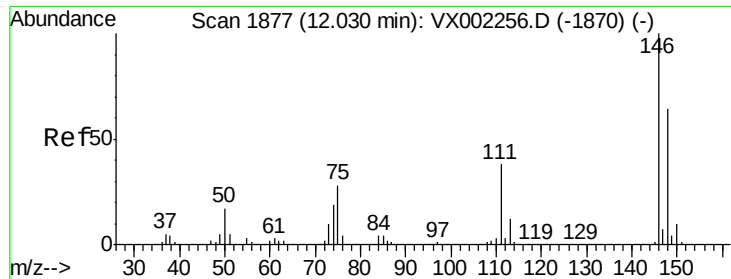


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





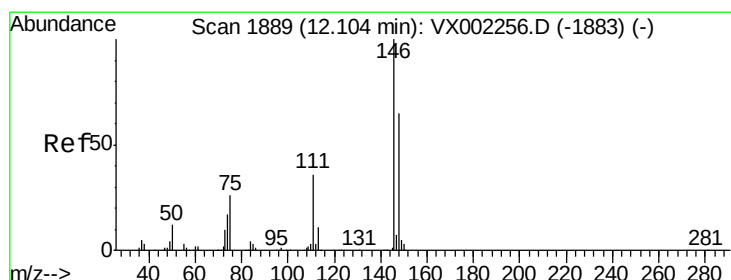
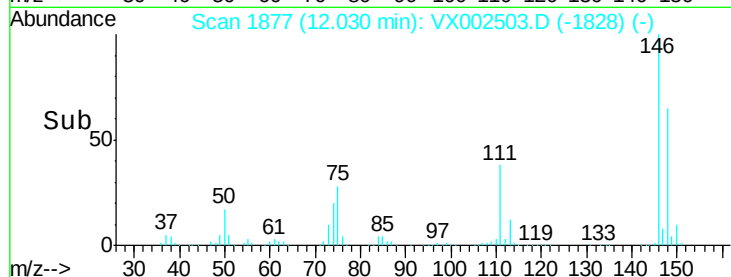
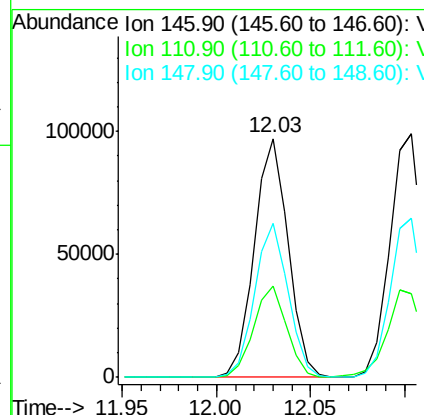
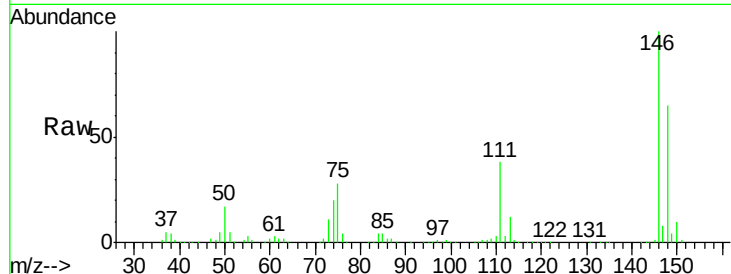
#87
 1,3-Dichlorobenzene
 Concen: 20.962 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120569		
111	37.5	18.9	56.7	
148	63.7	32.1	96.3	

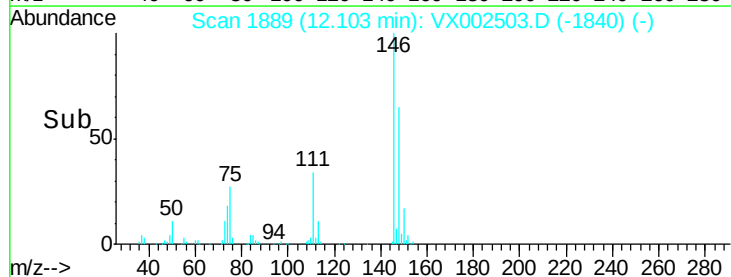
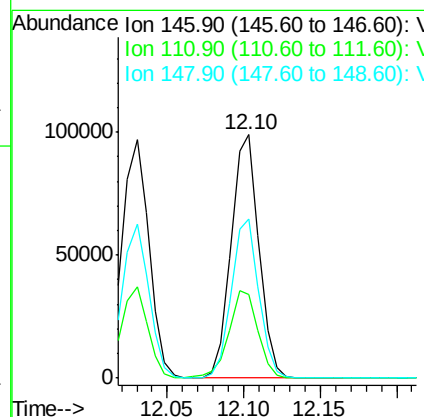
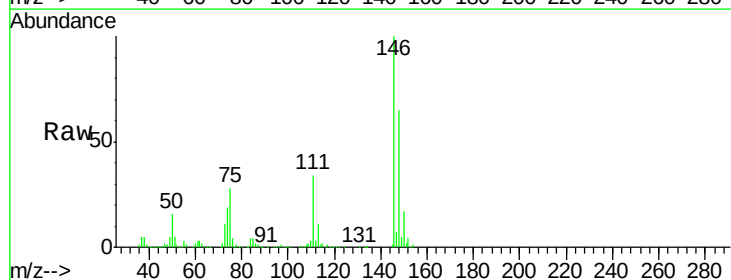
Manual Integrations
 APPROVED

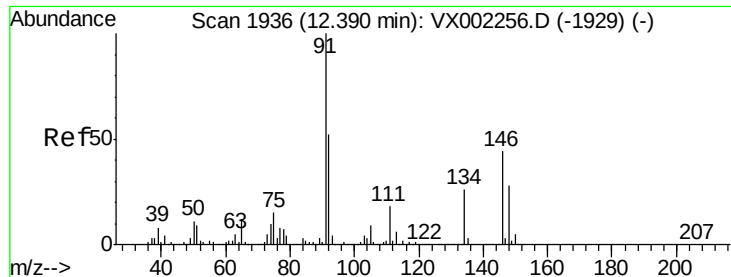
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#88
 1,4-Dichlorobenzene
 Concen: 20.915 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	123996		
111	37.4	18.7	56.1	
148	64.8	32.4	97.0	





#89

n-Butylbenzene

Concen: 20.832 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

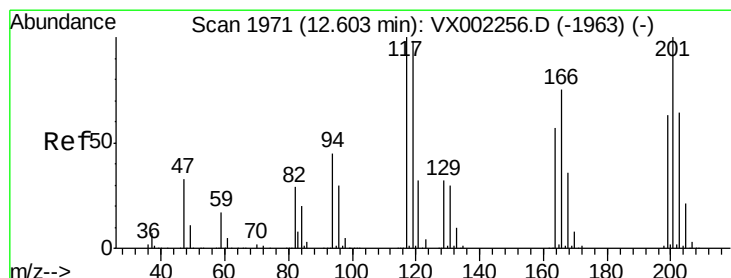
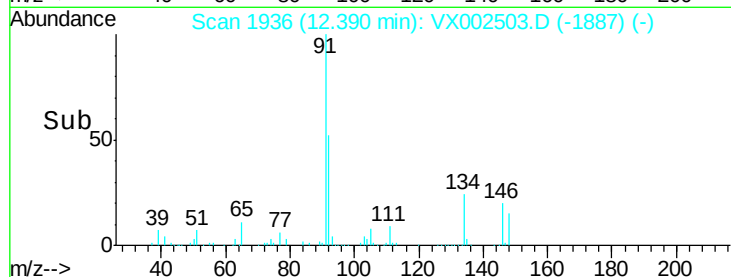
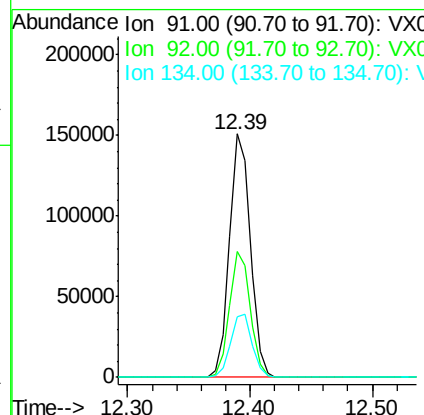
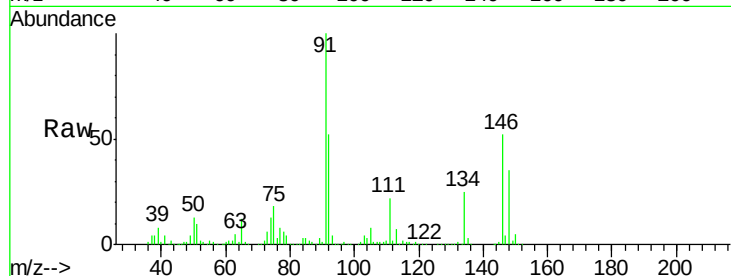
ClientSampleId :

VX0613WBS01

Tot Ion:	91	Resp:	178558
Ion Ratio	Lower	Upper	
91	100		
92	51.3	26.0	78.0
134	26.3	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 17.158 ug/l

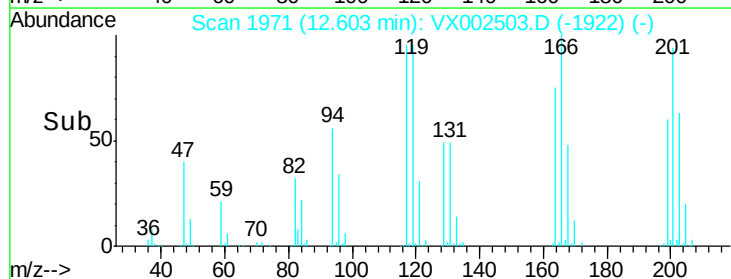
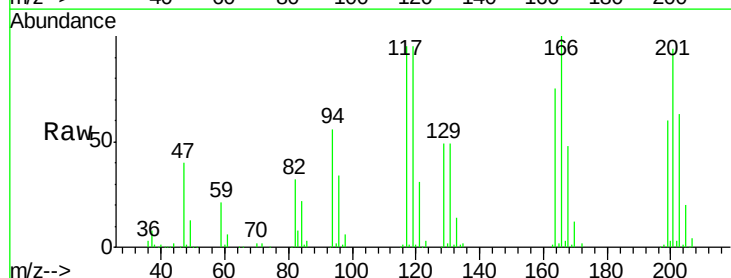
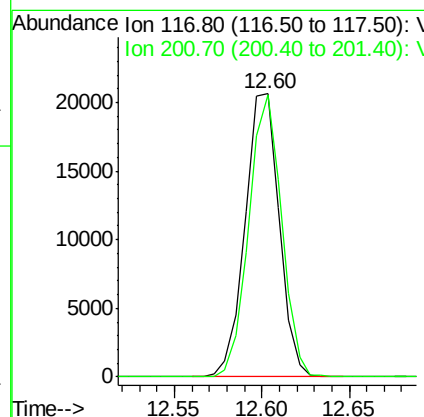
RT: 12.60 min Scan# 1971

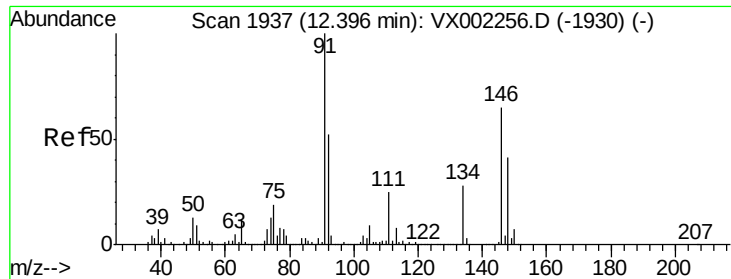
Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	117	Resp:	27991
Ion Ratio	Lower	Upper	
117	100		
201	95.2	49.0	147.0





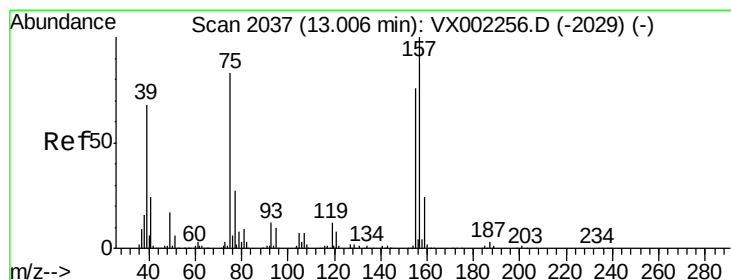
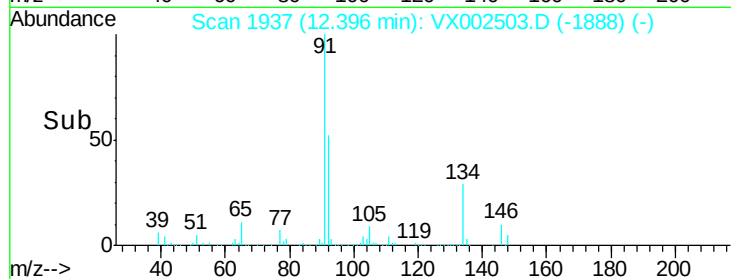
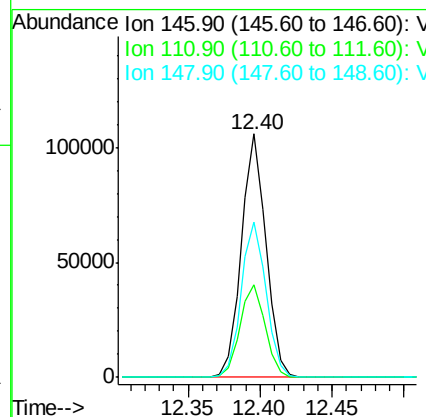
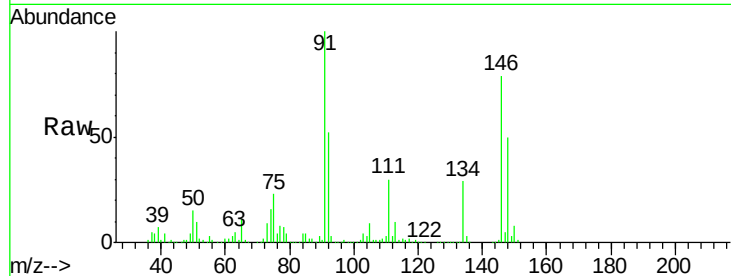
#91
 1,2-Dichlorobenzene
 Concen: 21.163 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	64.5	31.7	95.1

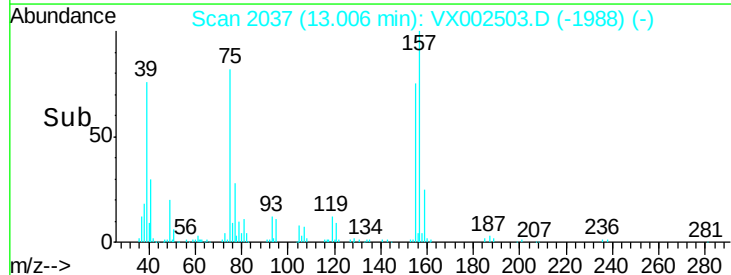
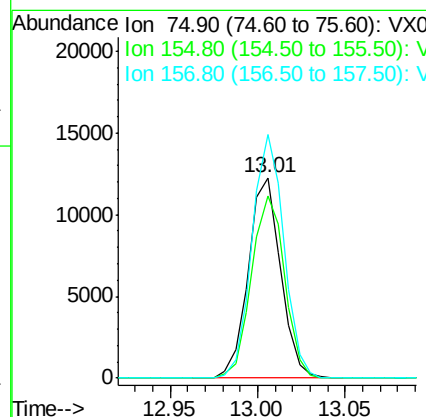
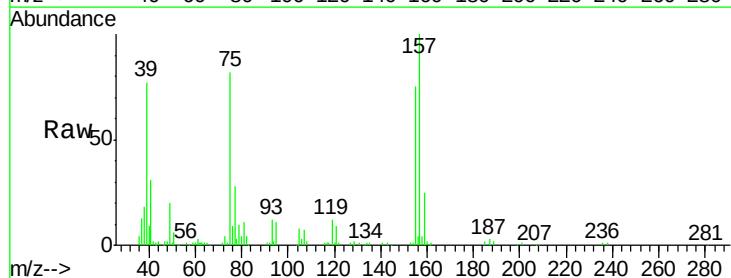
Manual Integrations
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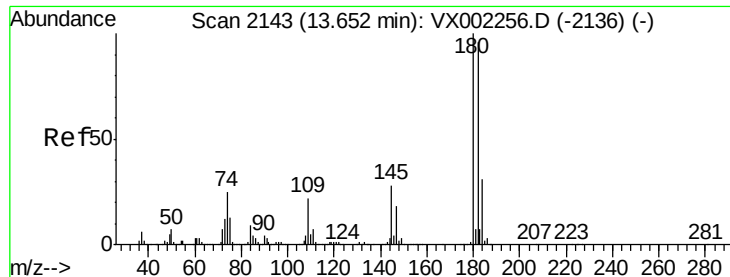
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.969 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	45.8	137.4
157	120.2	60.1	180.3





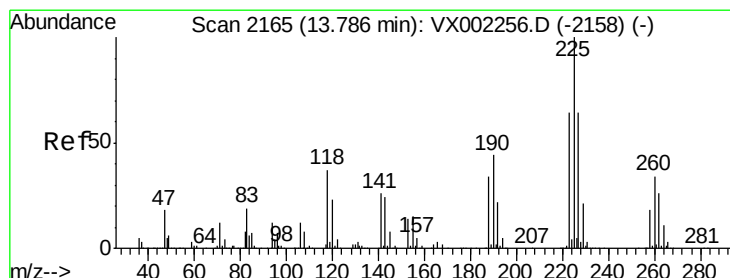
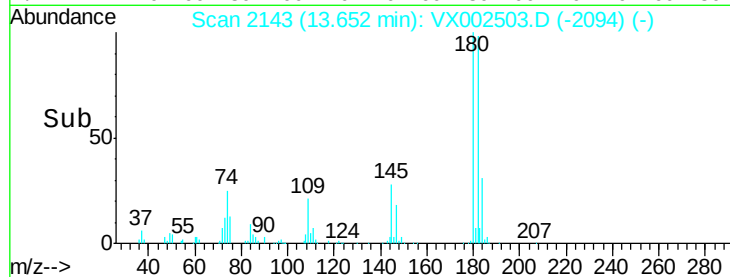
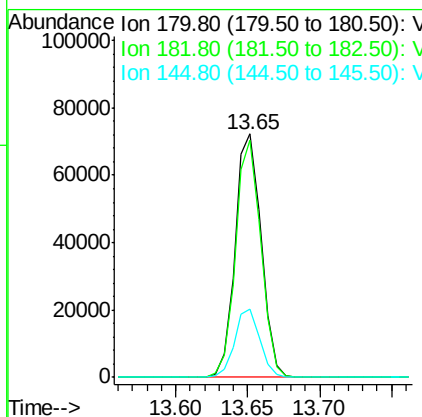
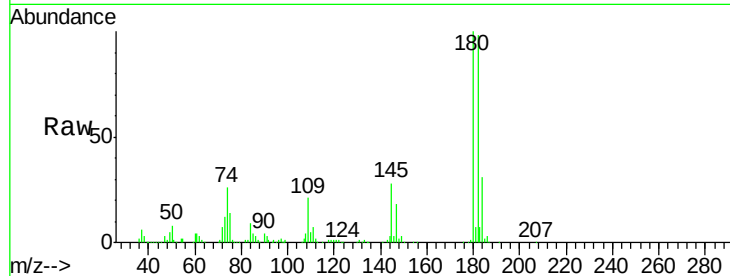
#93
 1,2,4-Trichlorobenzene
 Concen: 21.755 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90778		
182	95.0	47.7	143.1	
145	27.6	14.1	42.4	

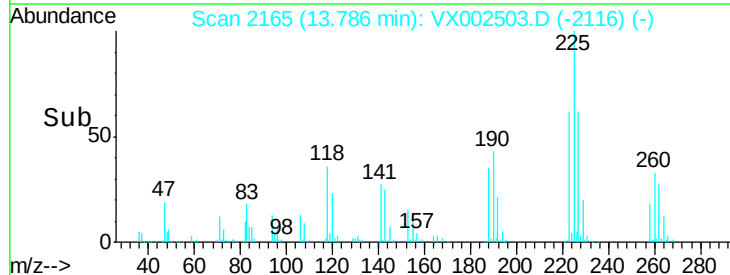
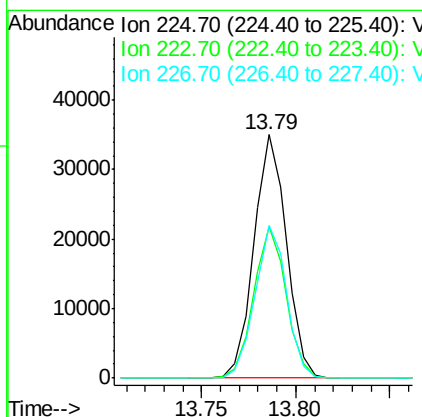
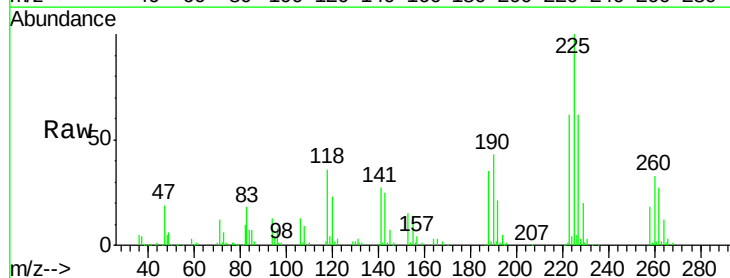
Manual Integrations
 APPROVED

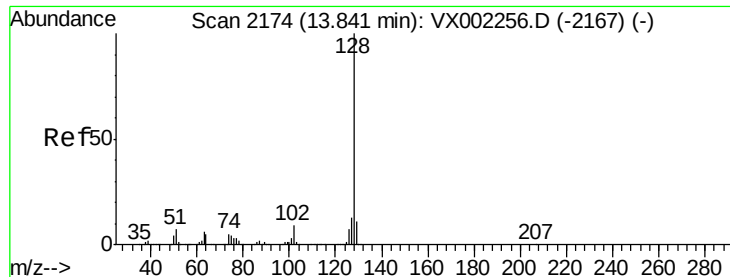
MMDadoda
 6/14/2018 11:29:23 AM



#94
 Hexachlorobutadiene
 Concen: 20.237 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002503.D
 Acq: 13 Jun 2018 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41728		
223	61.6	31.6	95.0	
227	61.3	32.4	97.2	





#95

Naphthalene

Concen: 21.790 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Instrument :

MSVOA_X

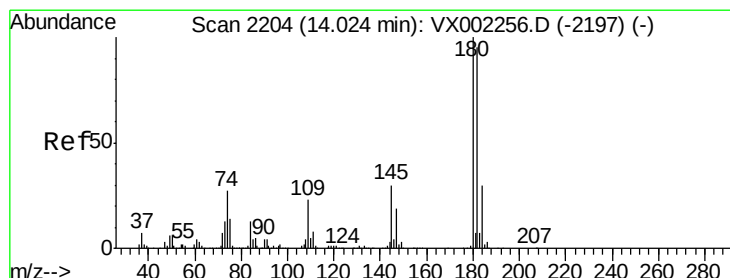
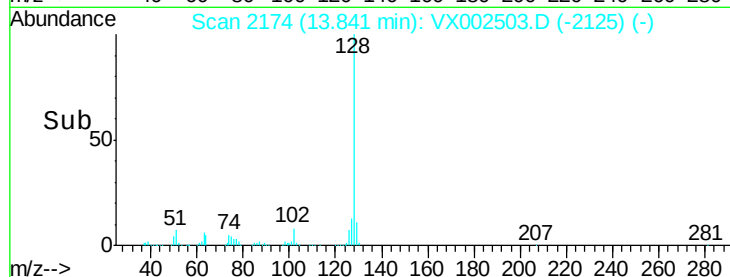
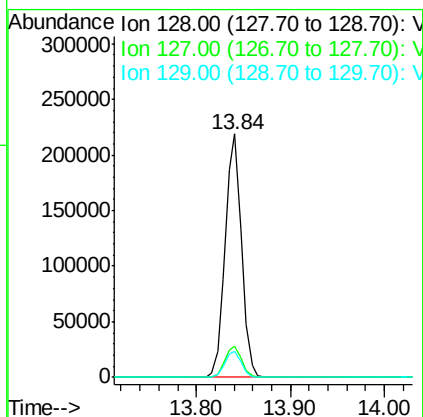
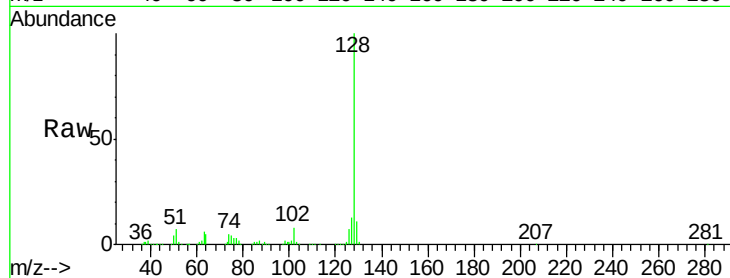
ClientSampleId :

VX0613WBS01

Tot Ion:	128	Resp:	261253
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.818 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002503.D

Acq: 13 Jun 2018 11:31

Tgt Ion:	180	Resp:	92849
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.0	144.0
145	29.8	14.8	44.3

