

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002567.D
 Acq On : 14 Jun 2018 22:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 6/15/2018 1:11:55 PM

Quant Time: Jun 15 03:25:58 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	225645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	150499	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	5.51	113	119302	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
50) Toluene-d8	8.72	98	445052	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	
62) 4-Bromofluorobenzene	11.14	95	172585	43.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92931	39.618	ug/l	99
3) Chloromethane	1.32	50	117552	43.356	ug/l	99
4) Vinyl Chloride	1.40	62	130339	44.089	ug/l	99
5) Bromomethane	1.64	94	78267	46.553	ug/l	100
6) Chloroethane	1.72	64	87556	45.786	ug/l	98
7) Trichlorofluoromethane	1.93	101	226786	50.349	ug/l	98
8) Diethyl Ether	2.19	74	89720	56.357	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	128297	52.782	ug/l	100
10) Methyl Iodide	2.51	142	160307	46.889	ug/l	99
11) Tert butyl alcohol	3.08	59	170929	259.200	ug/l	98
12) 1,1-Dichloroethene	2.37	96	115184	47.951	ug/l	96
13) Acrolein	2.30	56	30849	90.044	ug/l	98
14) Allyl chloride	2.73	41	234695	45.021	ug/l	99
15) Acrylonitrile	3.15	53	390550	285.775	ug/l	99
16) Acetone	2.45	43	355549	256.722	ug/l	99
17) Carbon Disulfide	2.57	76	239447	37.820	ug/l	99
18) Methyl Acetate	2.78	43	189867	59.233	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	486242	58.536	ug/l	98
20) Methylene Chloride	2.86	84	139602	54.993	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	125411	47.343	ug/l	98
22) Diisopropyl ether	3.88	45	448594	51.555	ug/l	99
23) Vinyl Acetate	3.83	43	1931830	228.595	ug/l	100
24) 1,1-Dichloroethane	3.70	63	233464	45.312	ug/l	99
25) 2-Butanone	4.71	43	505677	228.561	ug/l	100
26) 2,2-Dichloropropane	4.59	77	147725	36.679	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	135245	46.946	ug/l	95
28) Bromochloromethane	5.02	49	116195	53.257	ug/l	97
29) Tetrahydrofuran	5.17	42	331179	232.171	ug/l	98
30) Chloroform	5.22	83	241740	48.622	ug/l	97
31) Cyclohexane	5.57	56	183220	44.971	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	205438	48.723	ug/l	99
36) 1,1-Dichloropropene	5.80	75	162651	45.258	ug/l	99
37) Ethyl Acetate	4.87	43	203619	47.112	ug/l	100
38) Carbon Tetrachloride	5.78	117	174138	46.317	ug/l	99

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Manual Integrations
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 6/15/2018 1:11:55 PM

Quant Time: Jun 15 03:25:58 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)
39) Methylcyclohexane	7.46	83	185828	41.896	ug/l	98
40) Benzene	6.15	78	500727	45.440	ug/l	100
41) Methacrylonitrile	5.07	41	116923	47.258	ug/l	99
42) 1,2-Dichloroethane	6.20	62	203356	46.449	ug/l	100
43) Isopropyl Acetate	6.47	43	346682	47.225	ug/l	99
44) Trichloroethene	7.22	130	145691	47.638	ug/l	99
45) 1,2-Dichloropropane	7.52	63	139703	46.961	ug/l	99
46) Dibromomethane	7.66	93	93451	46.339	ug/l	99
47) Bromodichloromethane	7.90	83	175015	47.984	ug/l	97
48) Methyl methacrylate	7.78	41	175184	47.508	ug/l	98
49) 1,4-Dioxane	7.76	88	61516	892.224	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1124808	246.043	ug/l	100
52) Toluene	8.79	92	327796	46.771	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	203474	46.520	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	191633	46.438	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143050	49.626	ug/l	99
56) Ethyl methacrylate	9.18	69	222831	48.420	ug/l	99
57) 1,3-Dichloropropane	9.38	76	233149	48.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	535923	251.606	ug/l	100
59) 2-Hexanone	9.50	43	847782	240.089	ug/l	99
60) Dibromochloromethane	9.59	129	147024	50.709	ug/l	99
61) 1,2-Dibromoethane	9.68	107	147979	49.235	ug/l	99
64) Tetrachloroethene	9.34	164	166054	49.184	ug/l	99
65) Chlorobenzene	10.14	112	388676	47.716	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	146232	49.579	ug/l	99
67) Ethyl Benzene	10.26	91	662316	48.585	ug/l	98
68) m/p-Xylenes	10.36	106	508140	95.892	ug/l	100
69) o-Xylene	10.70	106	253312	48.036	ug/l	99
70) Styrene	10.71	104	425189	49.321	ug/l	99
71) Bromoform	10.86	173	113680	43.518	ug/l	99
73) Isopropylbenzene	11.02	105	686136	46.897	ug/l	99
74) N-amyl acetate	6.47	43	346682	43.976	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	211138	45.884	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	210014m	45.508	ug/l	
77) Bromobenzene	11.26	156	191886	46.717	ug/l	98
78) n-propylbenzene	11.37	91	781714	48.071	ug/l	100
79) 2-Chlorotoluene	11.43	91	464925	45.279	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	581293	46.322	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	53143	40.366	ug/l	97
82) 4-Chlorotoluene	11.51	91	550065	46.411	ug/l	100
83) tert-Butylbenzene	11.77	119	570145	46.656	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	604577	46.802	ug/l	99
85) sec-Butylbenzene	11.95	105	703063	49.076	ug/l	100
86) p-Isopropyltoluene	12.07	119	634819	48.649	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	347783	47.355	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	354196	46.790	ug/l	99
89) n-Butylbenzene	12.39	91	549246	50.187	ug/l	99
90) Hexachloroethane	12.60	117	95804	45.993	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	357636	47.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47662	47.365	ug/l	97

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ClientSampleId :
VSTDCCC050

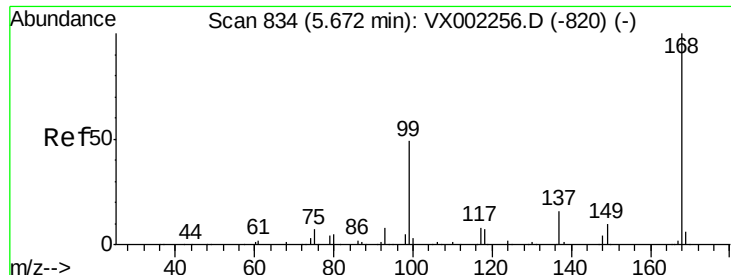
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	263515	49.458	ug/l	99
94) Hexachlorobutadiene	13.79	225	135182	51.344	ug/l	98
95) Naphthalene	13.84	128	749157	48.937	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	269027	49.510	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 225645

Ion Ratio Lower Upper

168 100

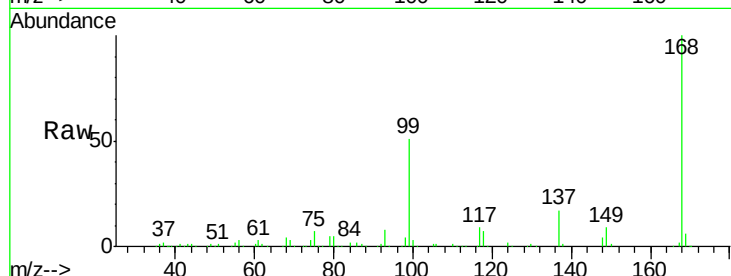
99 50.9 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

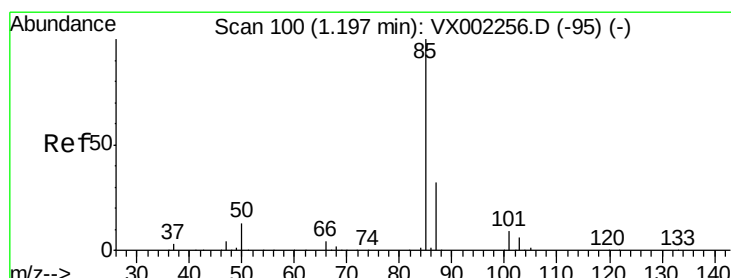
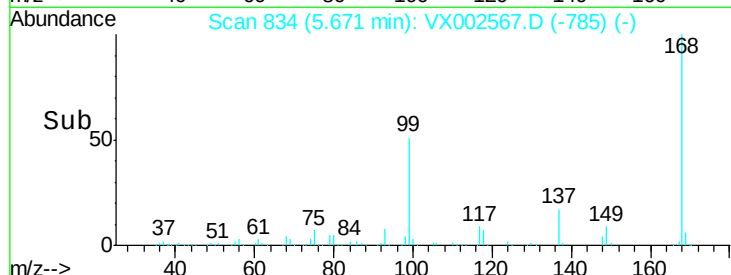
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.618 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002567.D

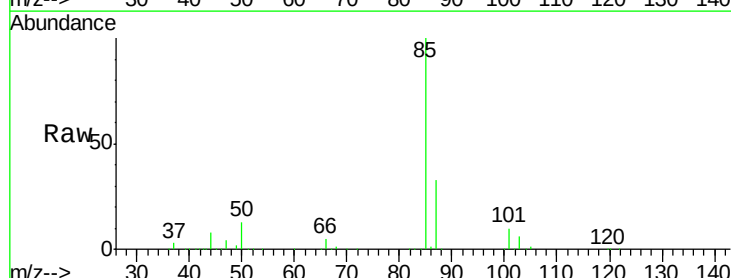
Acq: 14 Jun 2018 22:31

Tgt Ion: 85 Resp: 92931

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

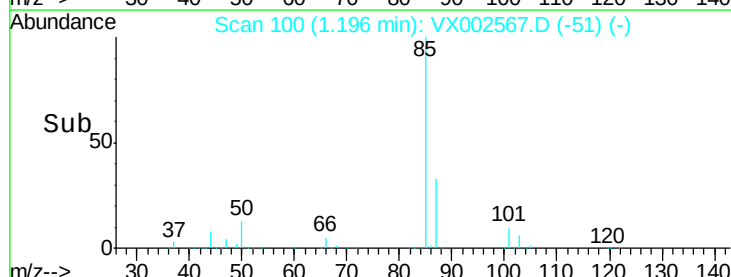
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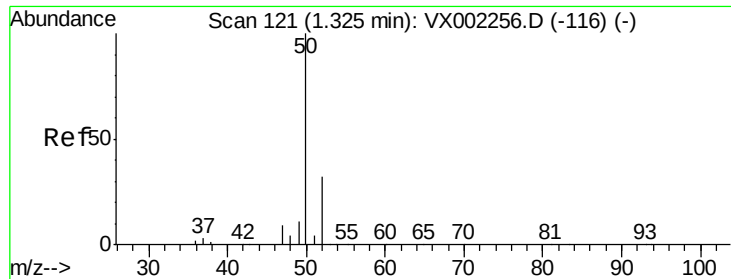
40000

20000

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Time-->





#3

Chloromethane

Concen: 43.356 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 117552

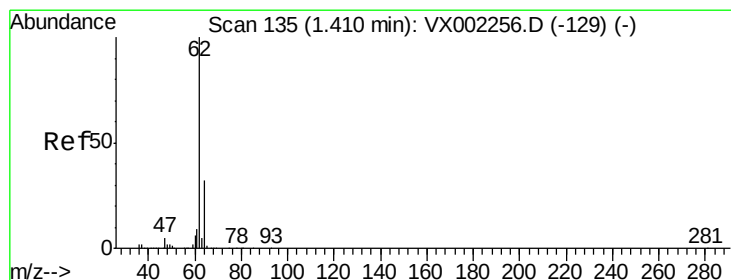
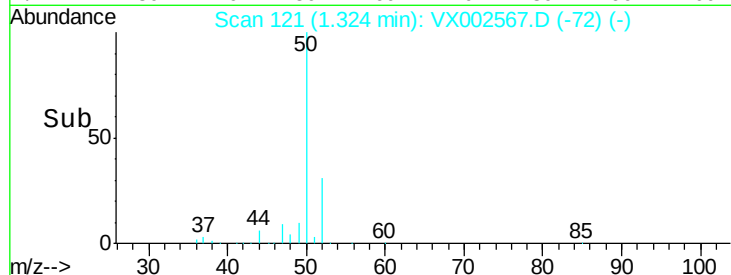
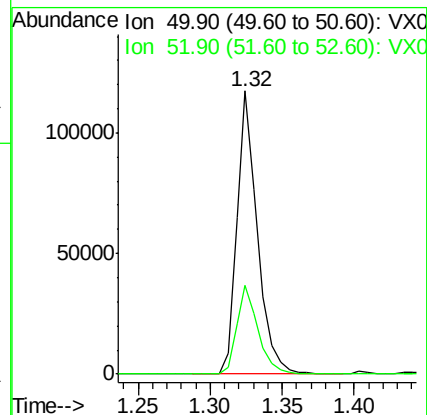
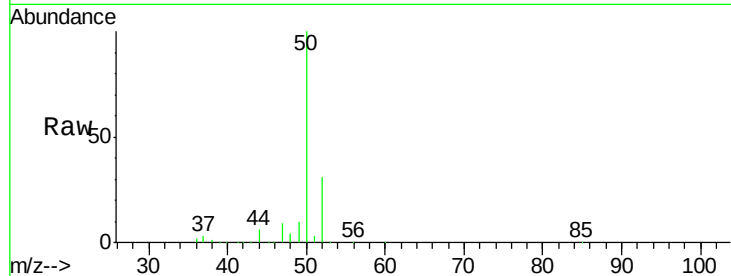
Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5

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#4

Vinyl Chloride

Concen: 44.089 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002567.D

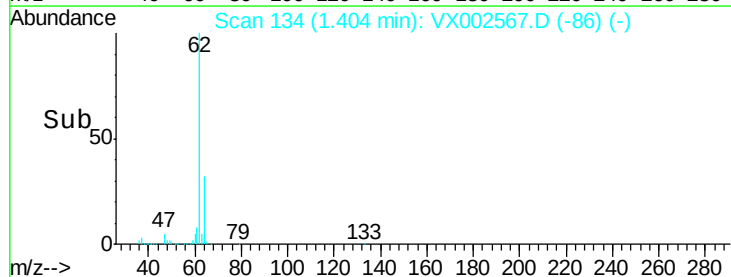
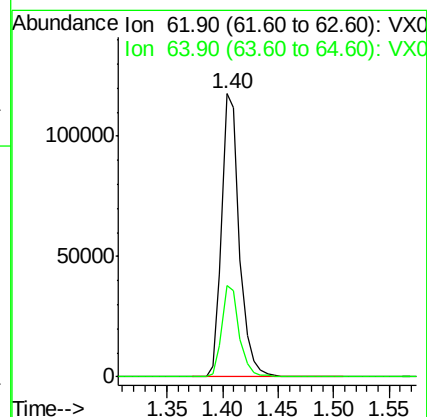
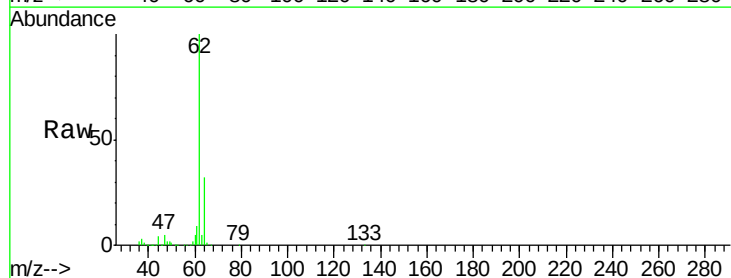
Acq: 14 Jun 2018 22:31

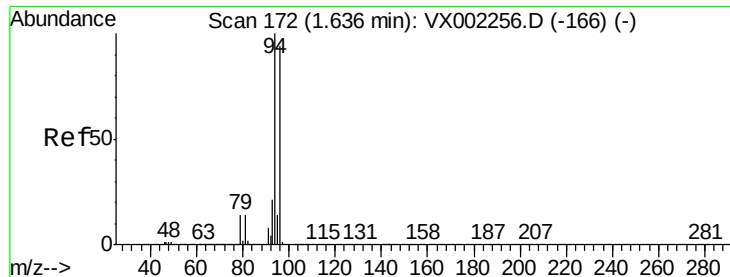
Tgt Ion: 62 Resp: 130339

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 46.553 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 78267

Ion Ratio Lower Upper

94 100

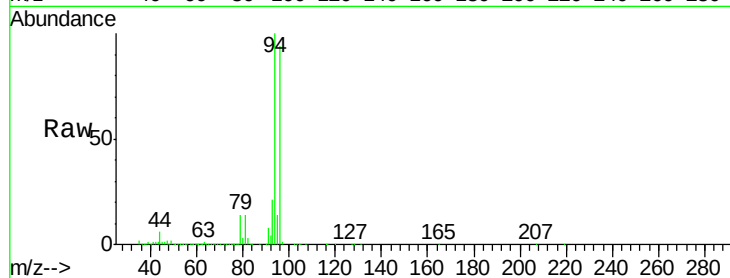
96 94.0 74.9 112.3

Manual Integrations

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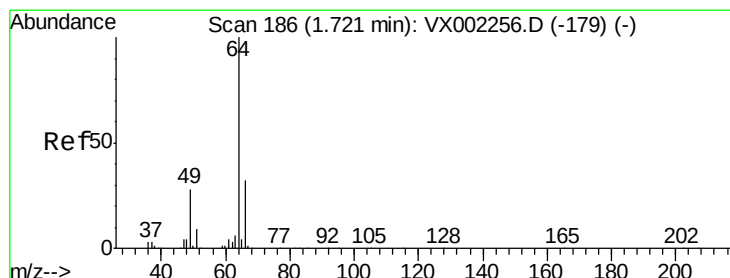
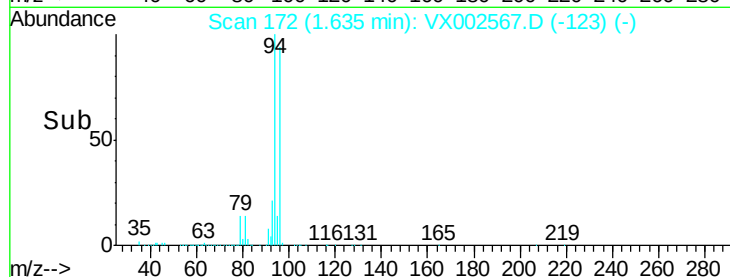
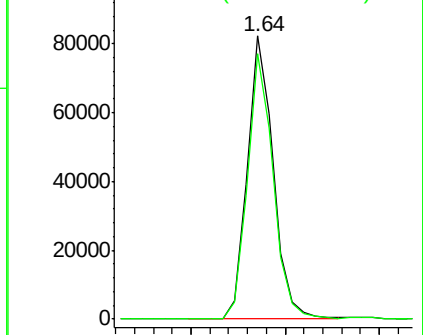
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.786 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002567.D

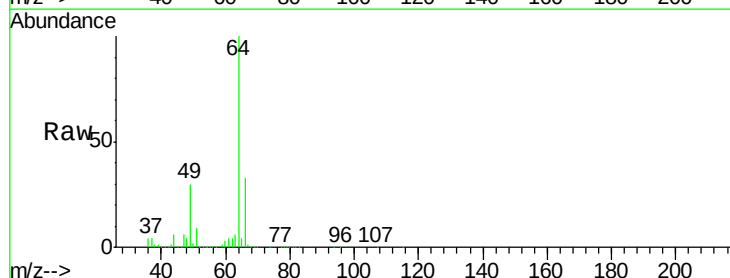
Acq: 14 Jun 2018 22:31

Tgt Ion: 64 Resp: 87556

Ion Ratio Lower Upper

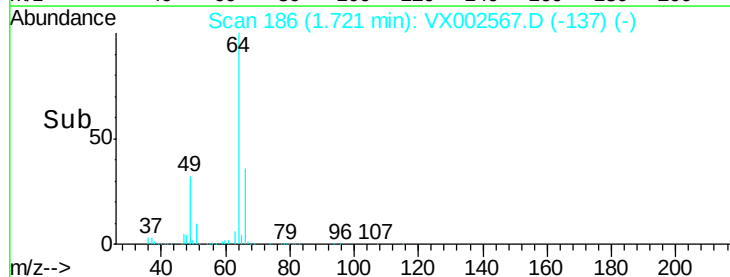
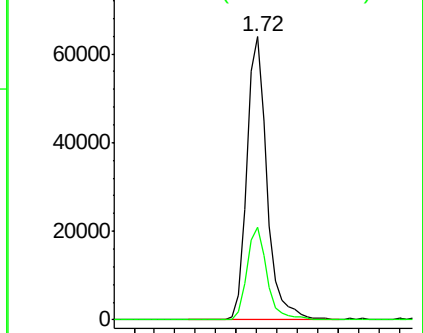
64 100

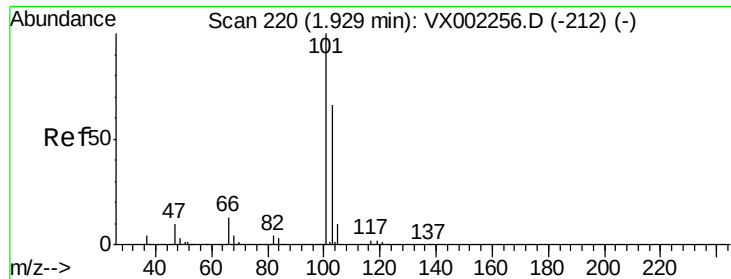
66 32.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

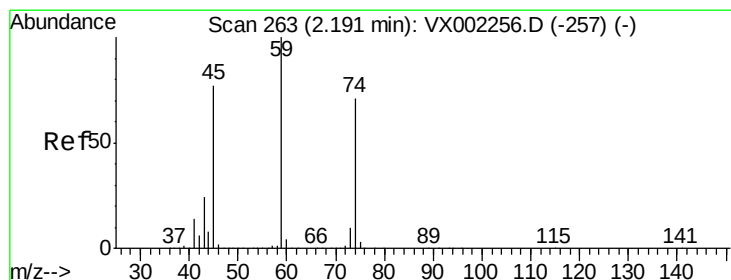
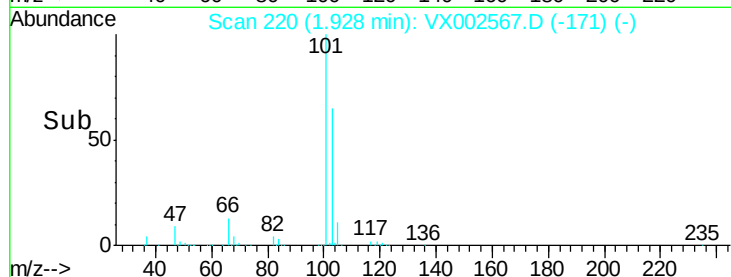
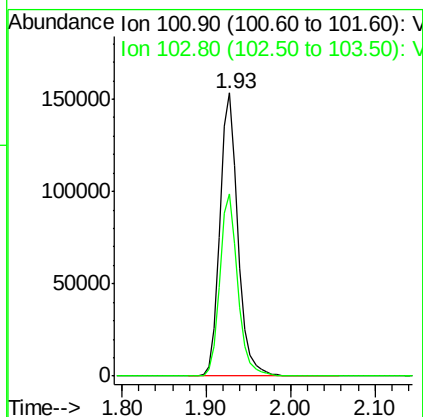
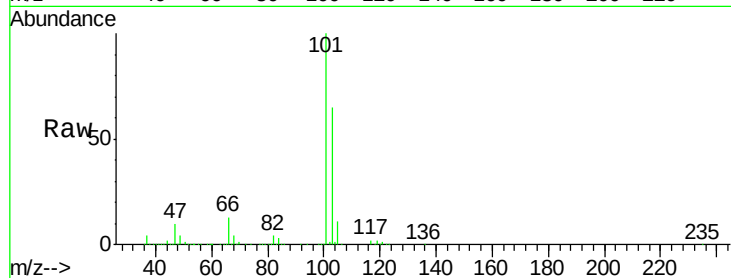
Trichlorofluoromethane
Concen: 50.349 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	226786		
103	64.6	52.8	79.2	

Manual Integrations
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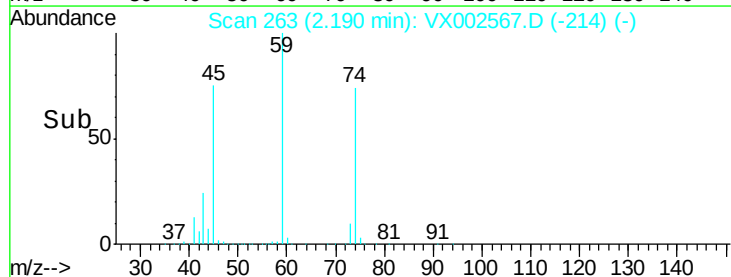
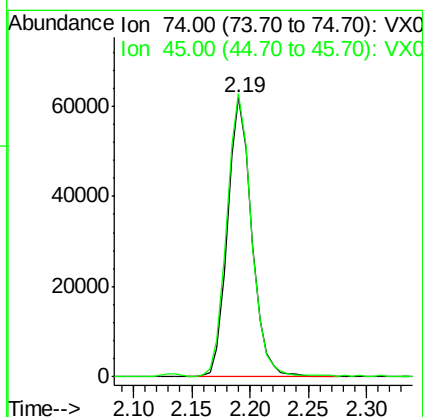
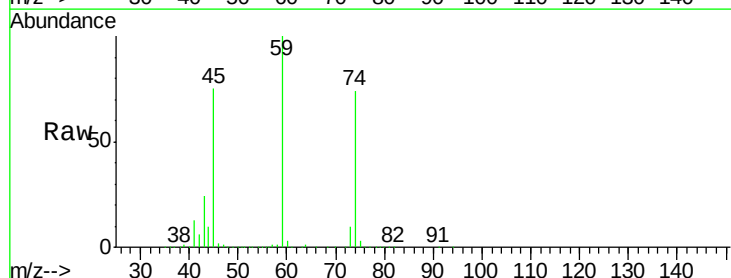
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6/15/2018 1:11:55 PM

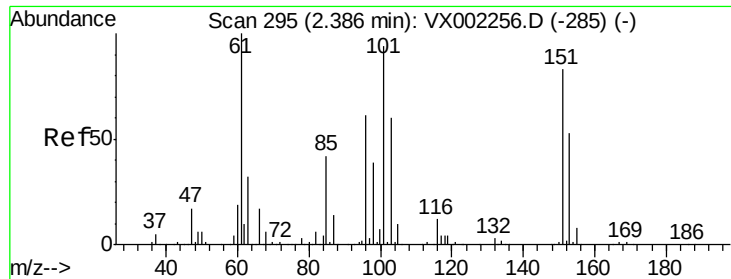


#8

Diethyl Ether
Concen: 56.357 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89720		
45	102.6	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.782 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

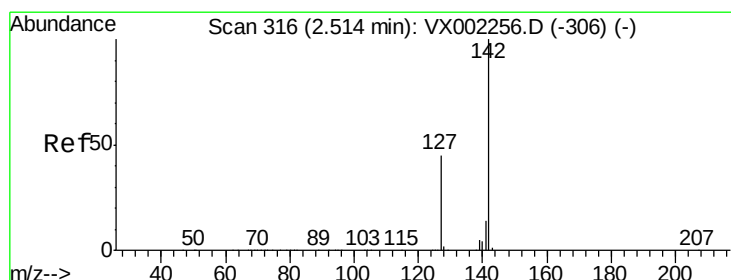
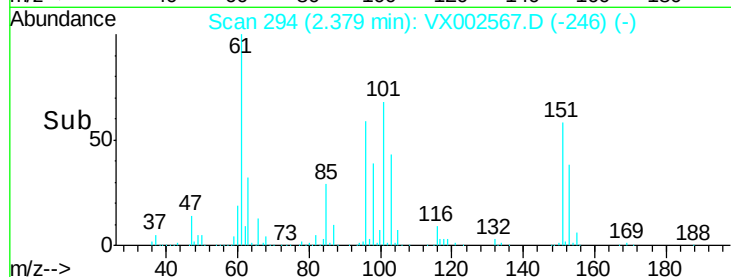
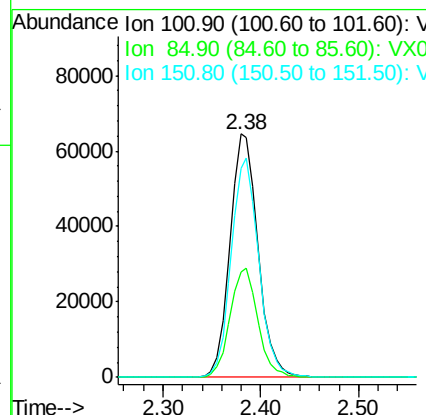
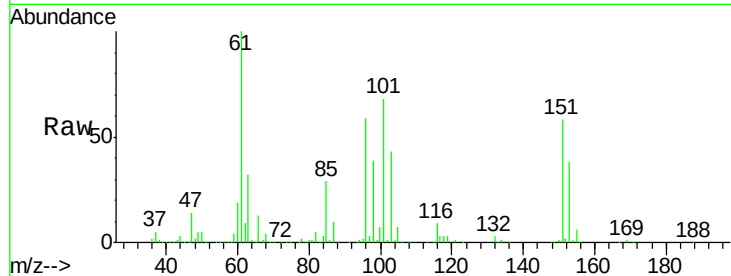
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128297
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	88.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.889 ug/l

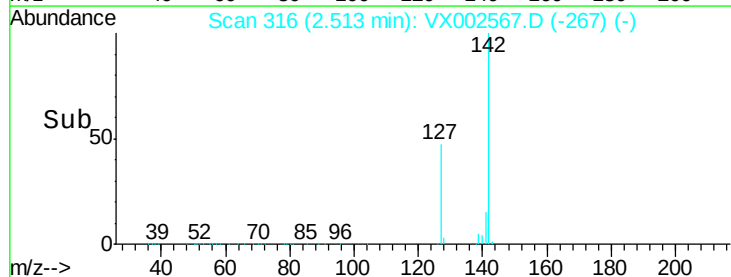
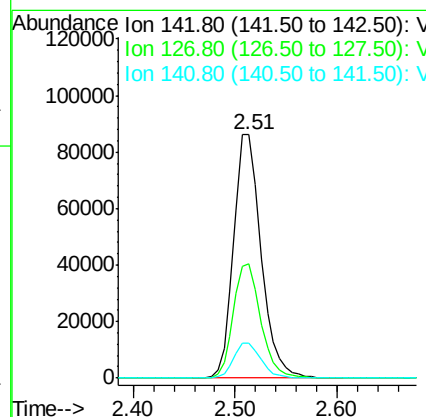
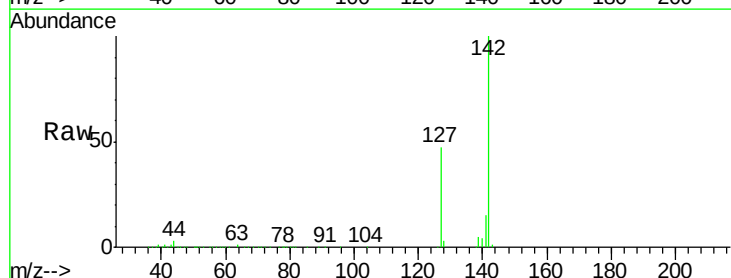
RT: 2.51 min Scan# 316

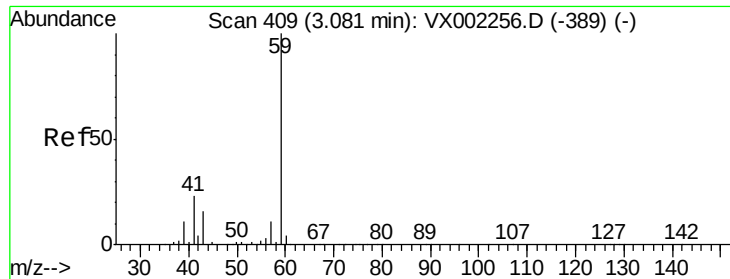
Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion:	142	Resp:	160307
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.6	55.0
141	14.4	11.3	16.9





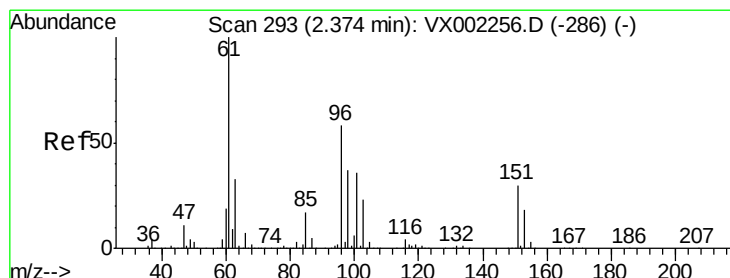
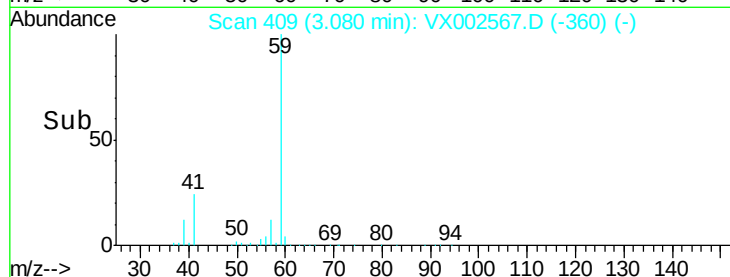
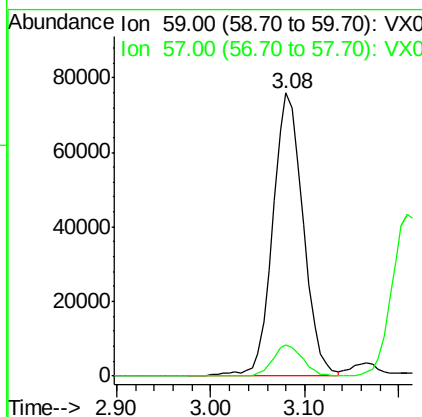
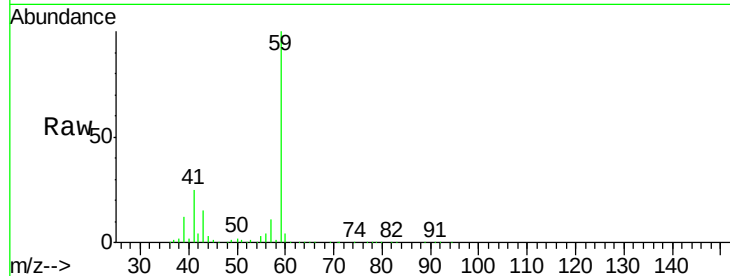
#11
Tert butyl alcohol
Concen: 259.200 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

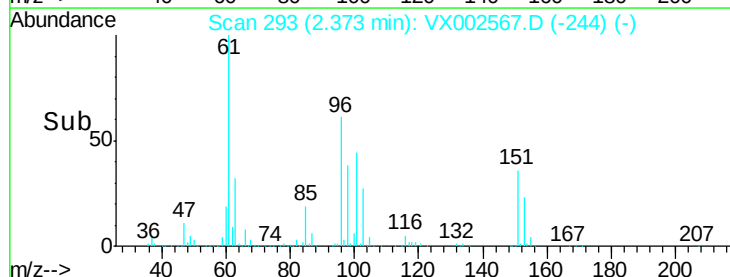
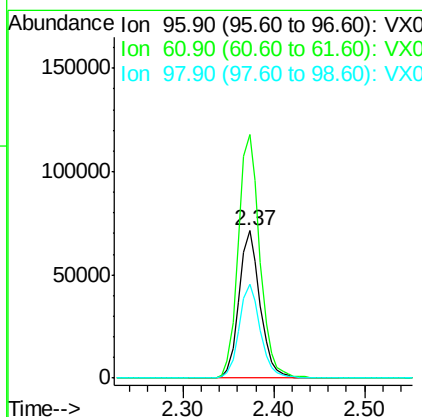
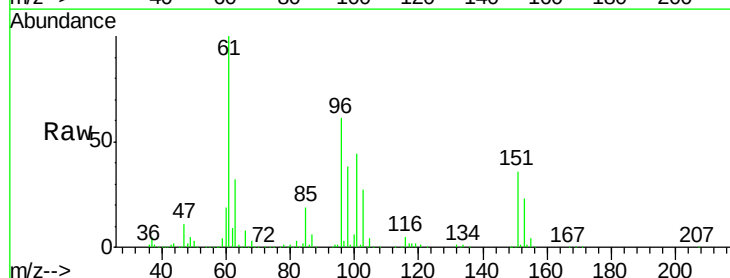
Manual Integrations
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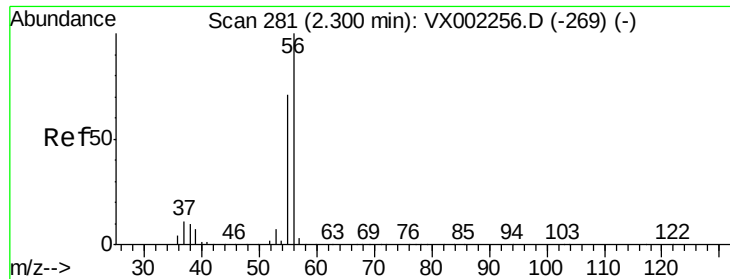
MMDadoda
6/15/2018 1:11:55 PM



#12
1,1-Dichloroethene
Concen: 47.951 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	137.9	206.9
98	63.4	51.6	77.4





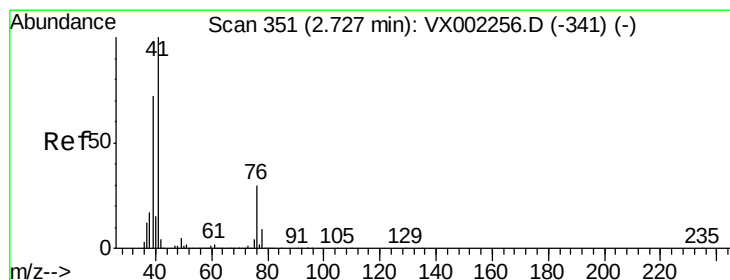
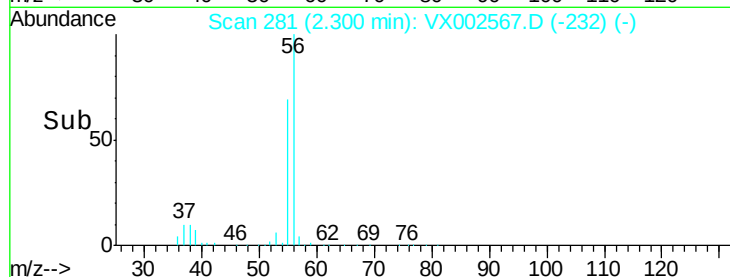
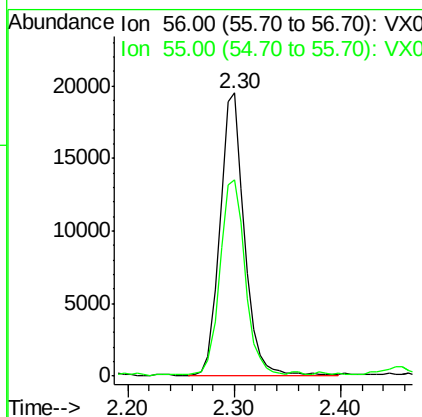
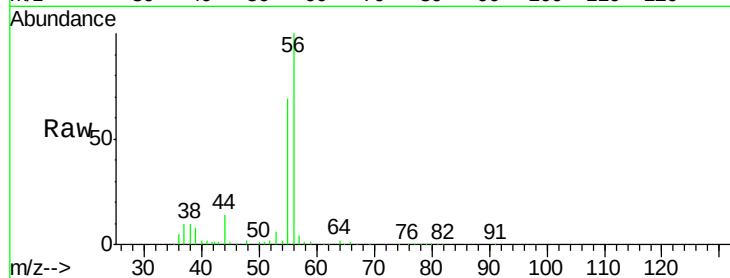
#13
Acrolein
Concen: 90.044 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 30849
Ion Ratio Lower Upper
56 100
55 72.5 57.0 85.4

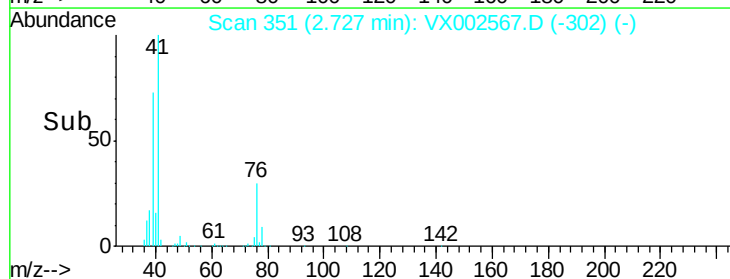
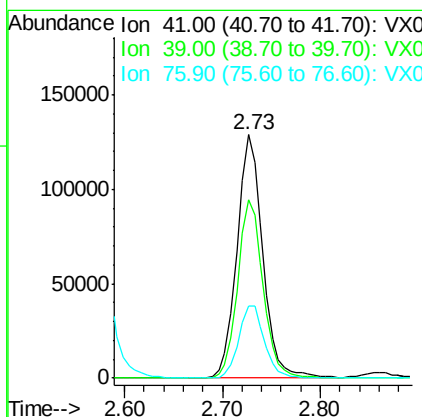
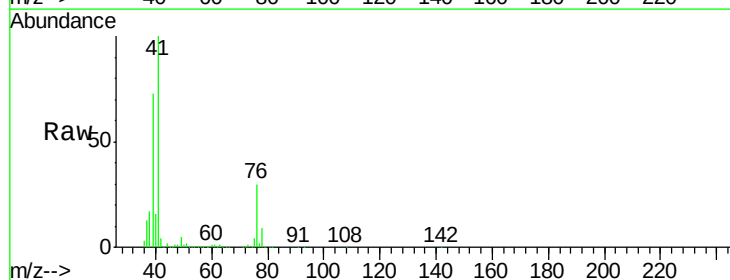
Manual Integrations
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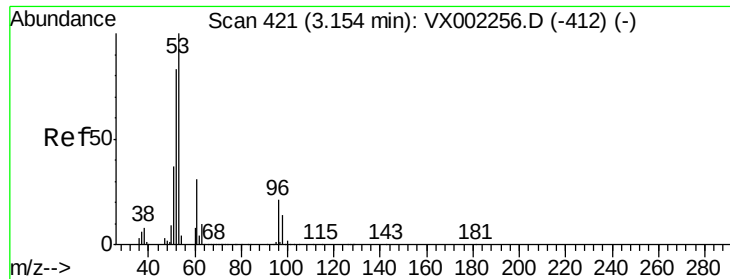
MMDadoda
6/15/2018 1:11:55 PM



#14
Allyl chloride
Concen: 45.021 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 41 Resp: 234695
Ion Ratio Lower Upper
41 100
39 72.1 56.8 85.2
76 29.8 23.8 35.8





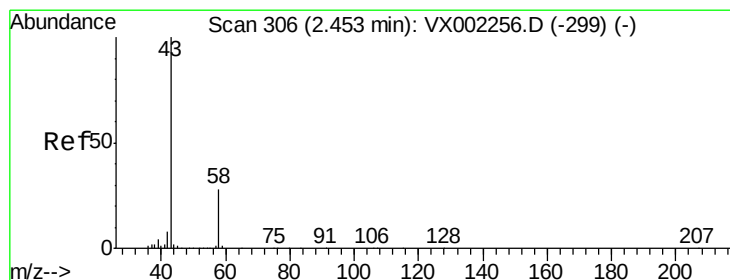
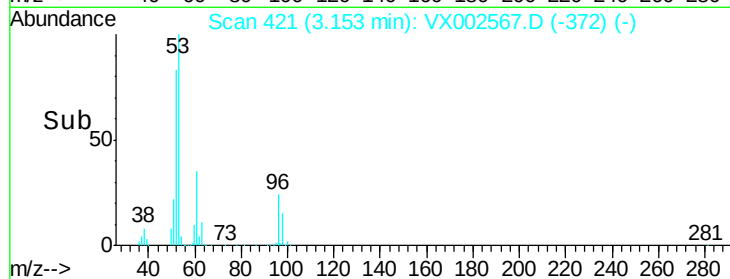
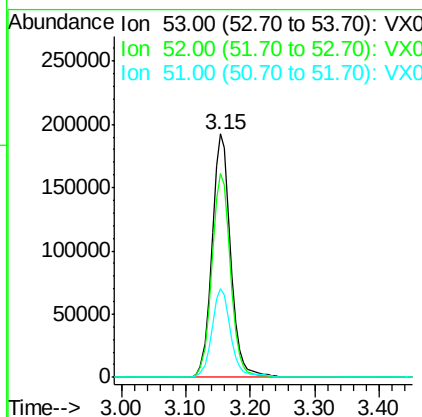
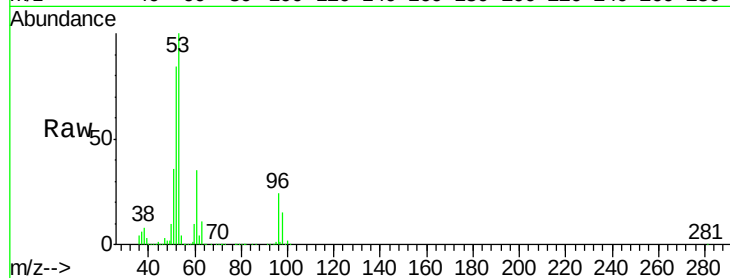
#15
 Acrylonitrile
 Concen: 285.775 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	36.9	29.9	44.9

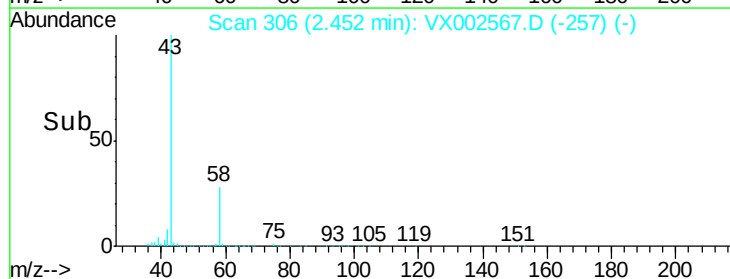
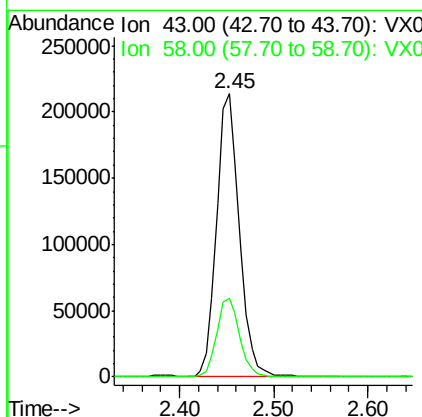
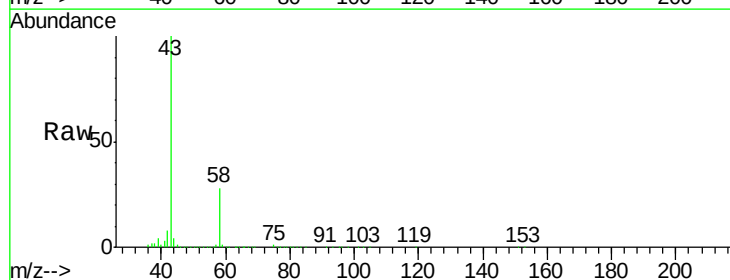
Manual Integrations
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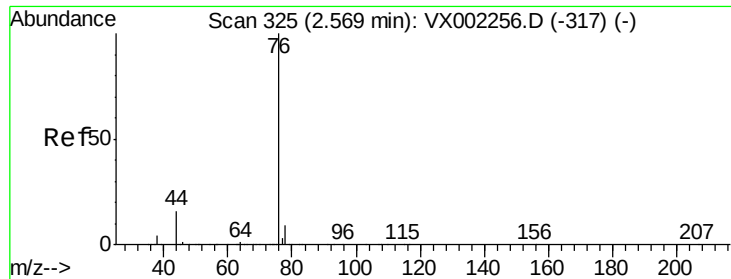
MMDadoda
 6/15/2018 1:11:55 PM



#16
 Acetone
 Concen: 256.722 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.1	33.1





#17

Carbon Disulfide

Concen: 37.820 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 239447

Ion Ratio Lower Upper

76 100

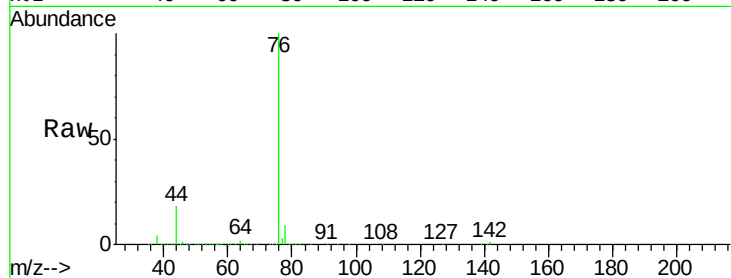
78 8.9 6.9 10.3

Manual Integrations

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6/15/2018 1:11:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

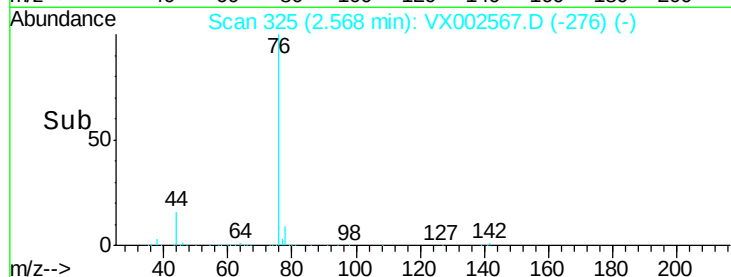
150000

100000

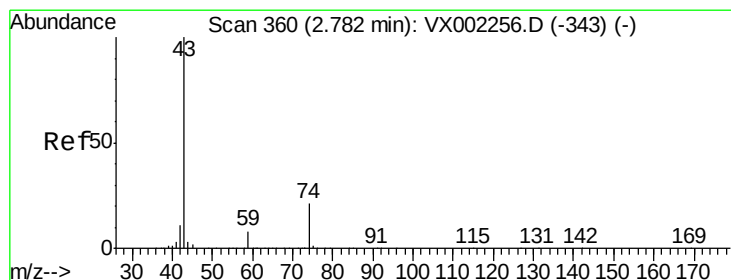
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 59.233 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002567.D

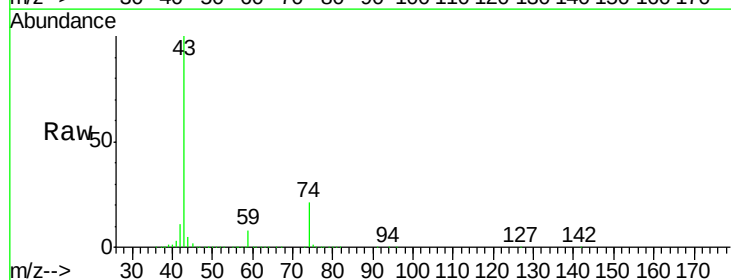
Acq: 14 Jun 2018 22:31

Tgt Ion: 43 Resp: 189867

Ion Ratio Lower Upper

43 100

74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

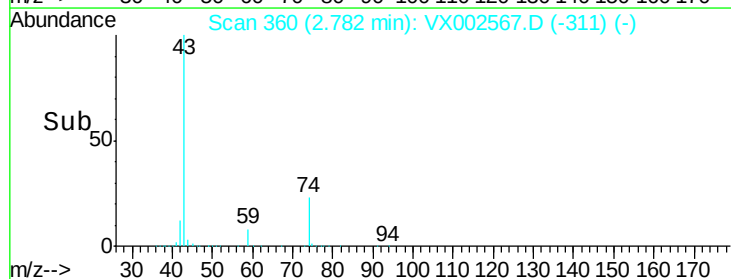
60000

40000

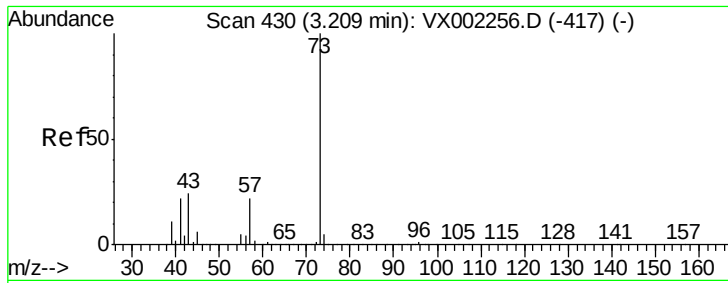
20000

0

Time-->



Time-->



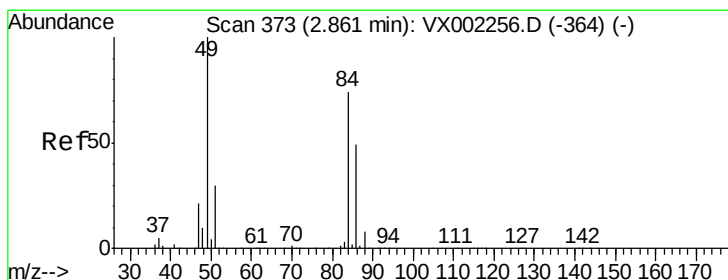
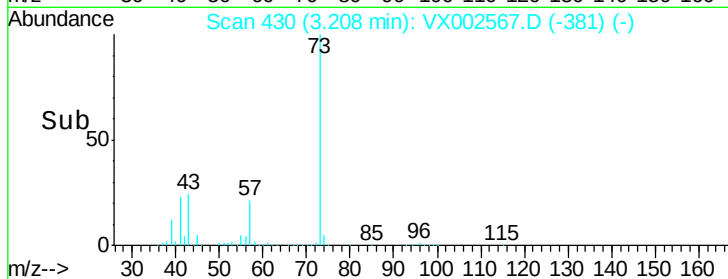
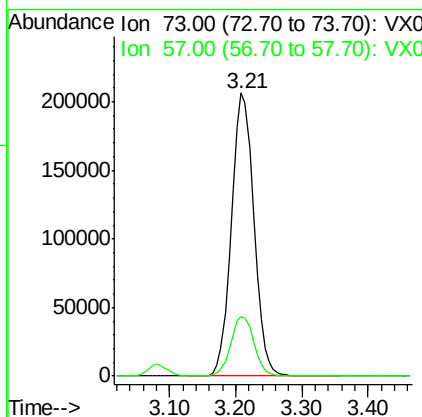
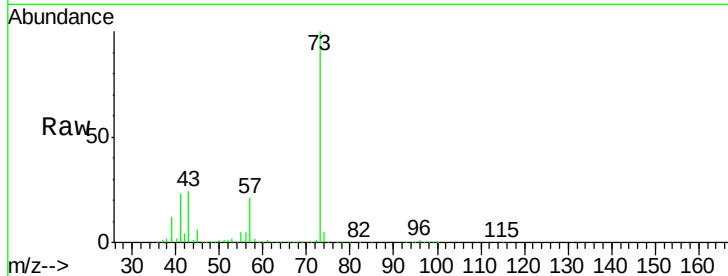
#19
Methyl tert-butyl Ether
Concen: 58.536 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

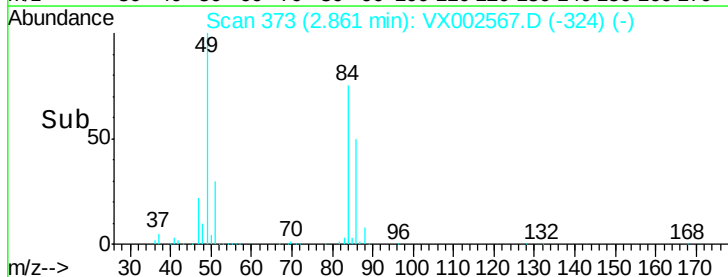
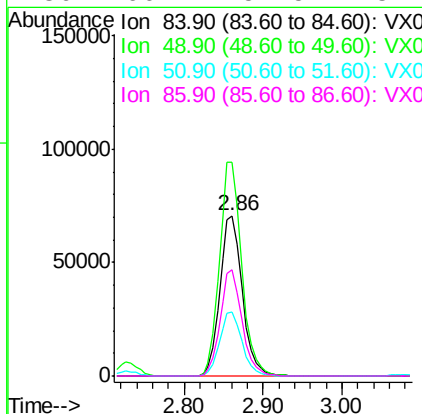
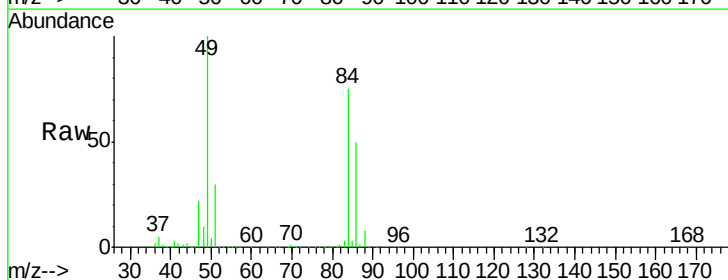
Manual Integrations
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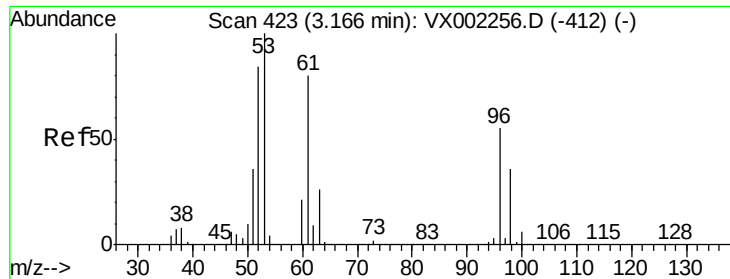
MMDadoda
6/15/2018 1:11:55 PM



#20
Methylene Chloride
Concen: 54.993 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	107.8	161.6
51	39.9	32.8	49.2
86	66.2	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 47.343 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

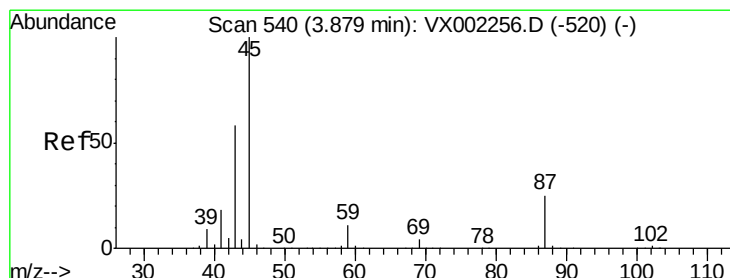
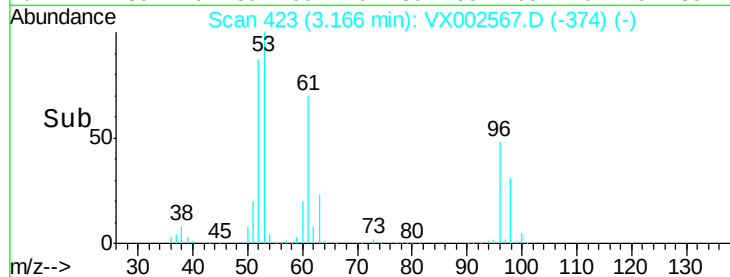
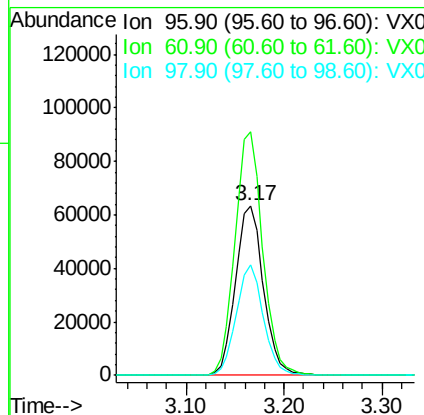
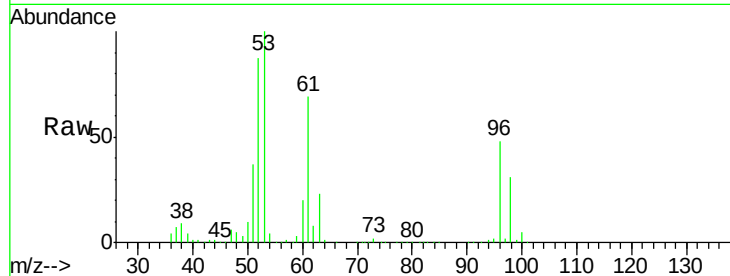
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125411
Ion Ratio	Lower	Upper	
96	100		
61	143.3	117.0	175.4
98	64.8	52.4	78.6

Manual Integrations
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6/15/2018 1:11:55 PM



#22

Diisopropyl ether

Concen: 51.555 ug/l

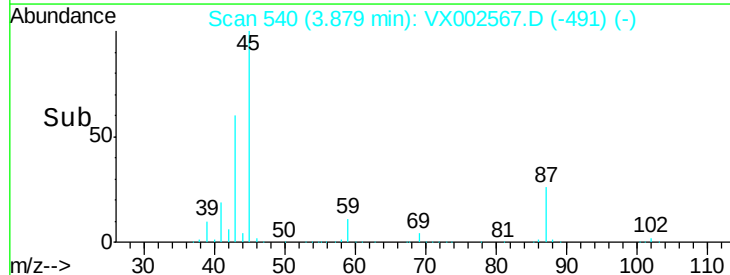
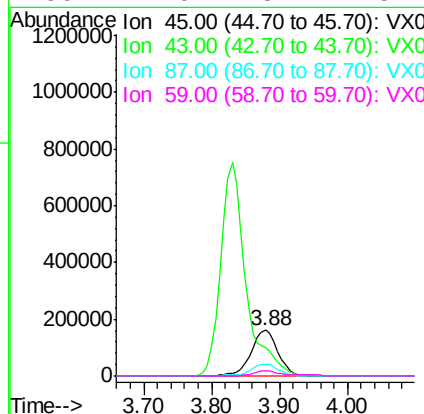
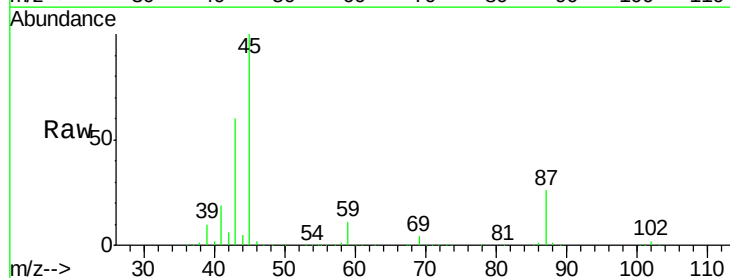
RT: 3.88 min Scan# 540

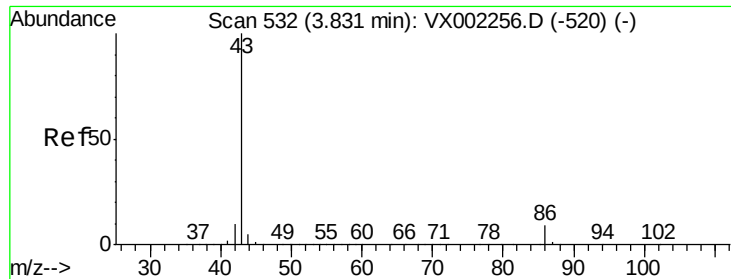
Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion:	45	Resp:	448594
Ion Ratio	Lower	Upper	
45	100		
43	60.0	46.8	70.2
87	25.6	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 228.595 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1931830

Ion Ratio Lower Upper

43 100

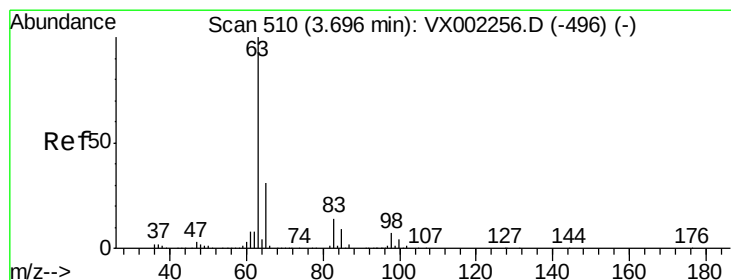
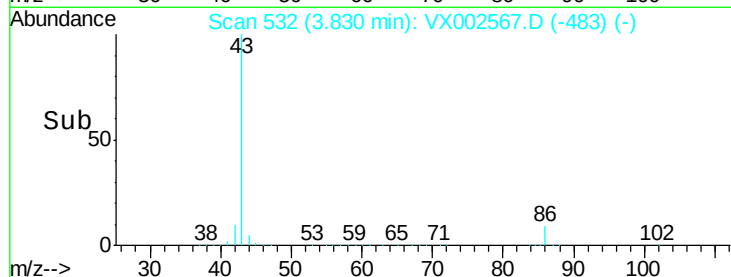
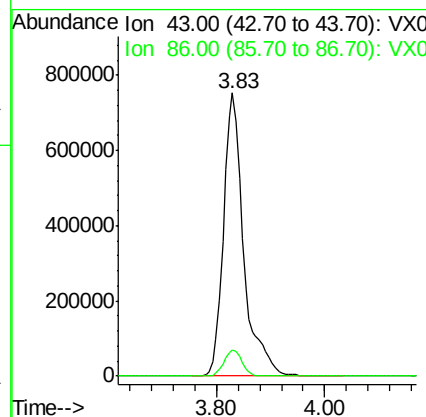
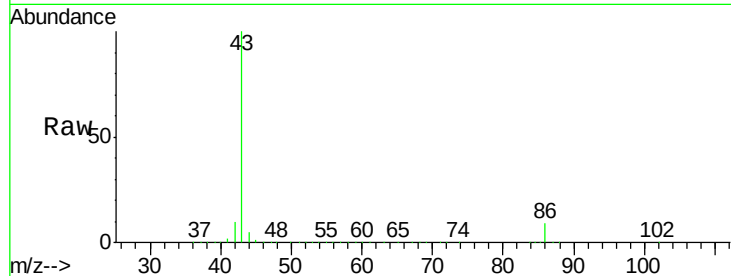
86 9.2 7.4 11.0

Manual Integrations

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6/15/2018 1:11:55 PM



#24

1,1-Dichloroethane

Concen: 45.312 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

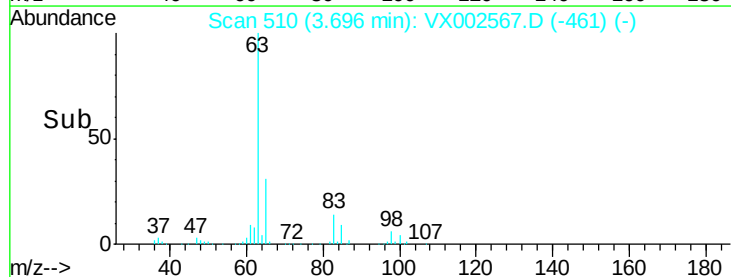
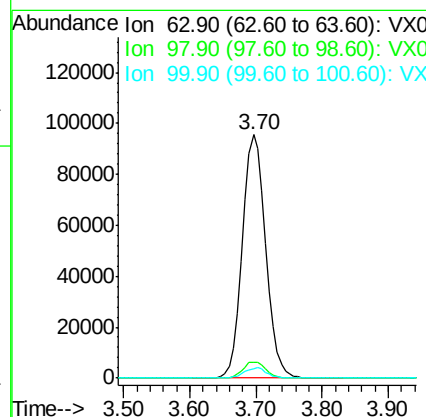
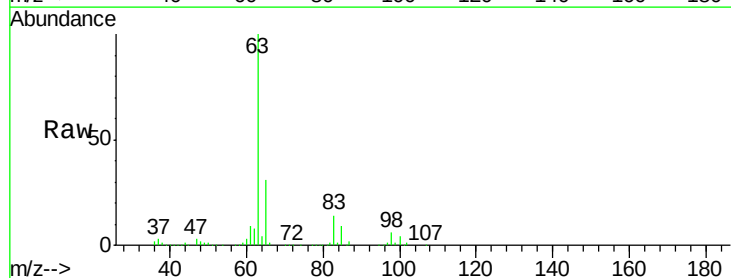
Tgt Ion: 63 Resp: 233464

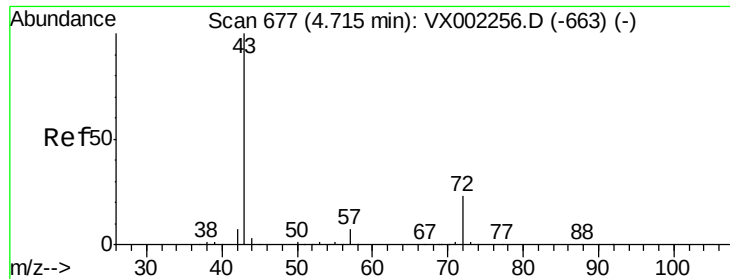
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 228.561 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 505677

Ion Ratio Lower Upper

43 100

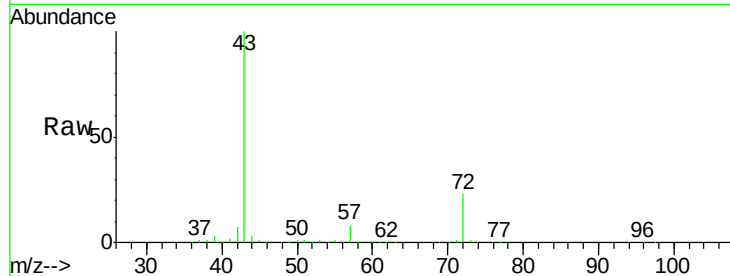
72 23.2 18.5 27.7

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

4.71

200000

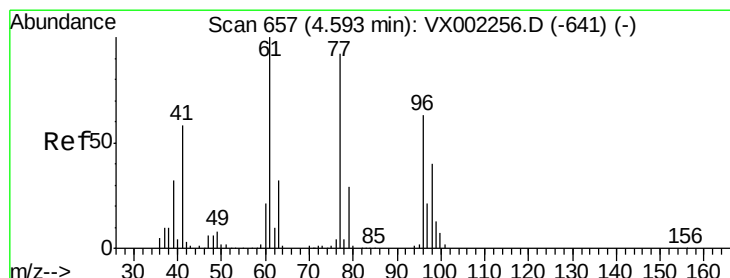
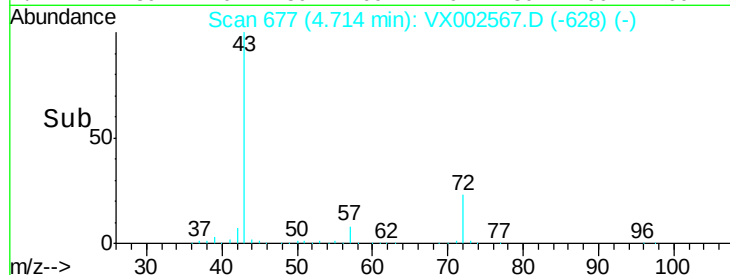
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 36.679 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002567.D

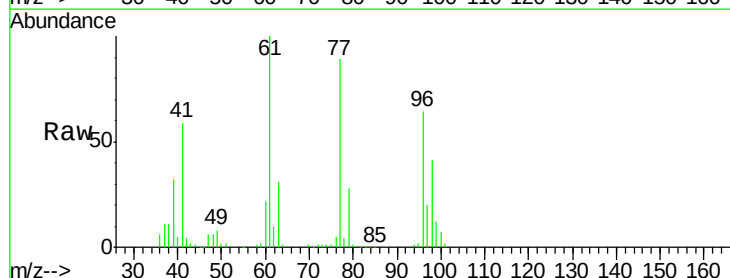
Acq: 14 Jun 2018 22:31

Tgt Ion: 77 Resp: 147725

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

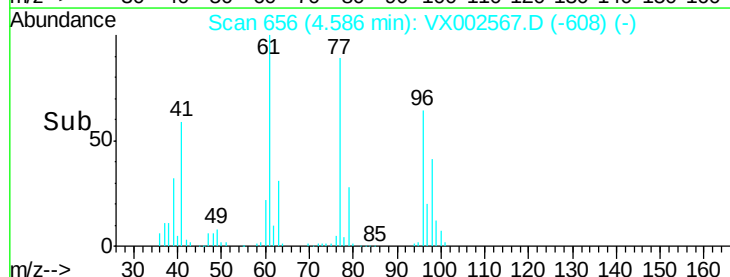
30000

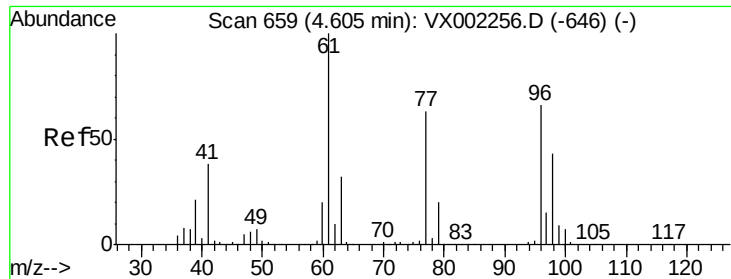
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.946 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

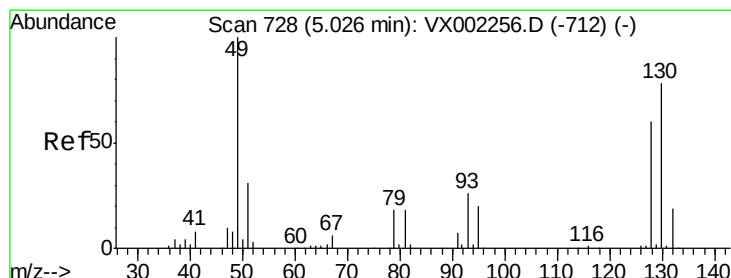
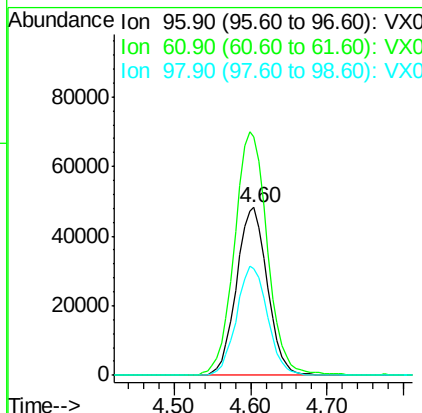
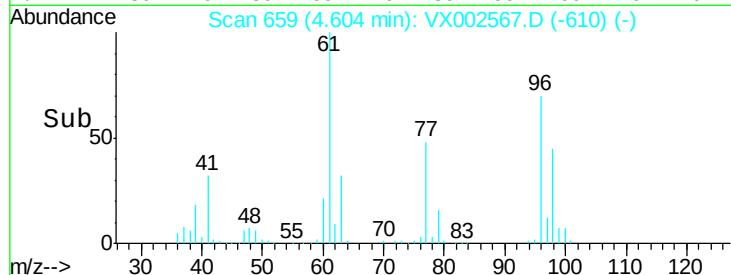
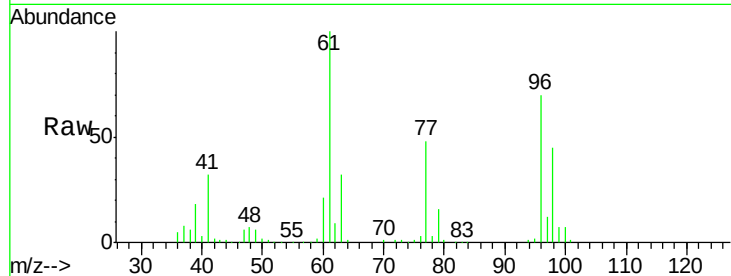
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135245
Ion Ratio	Lower	Upper	
96	100		
61	155.1	0.0	330.2
98	65.4	0.0	130.2

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#28

Bromochloromethane

Concen: 53.257 ug/l

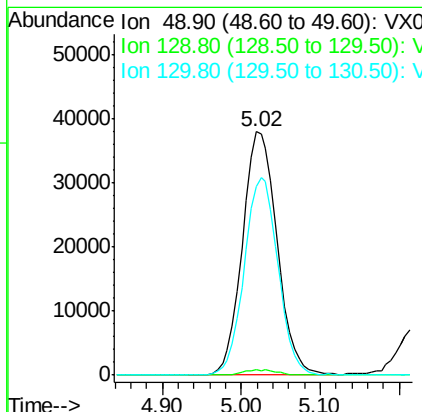
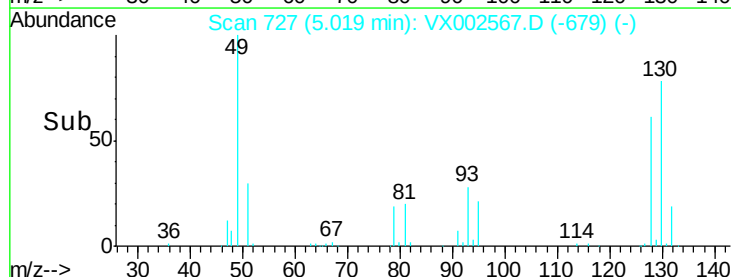
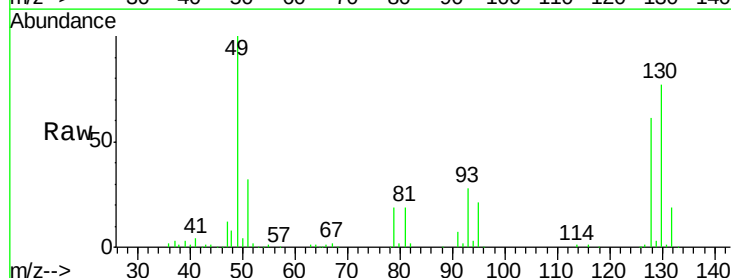
RT: 5.02 min Scan# 727

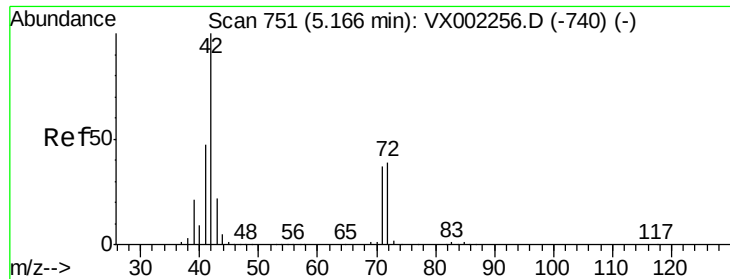
Delta R.T. -0.01 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion:	49	Resp:	116195
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	78.9	61.2	91.8





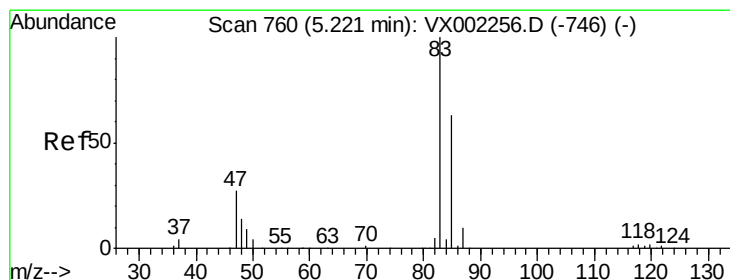
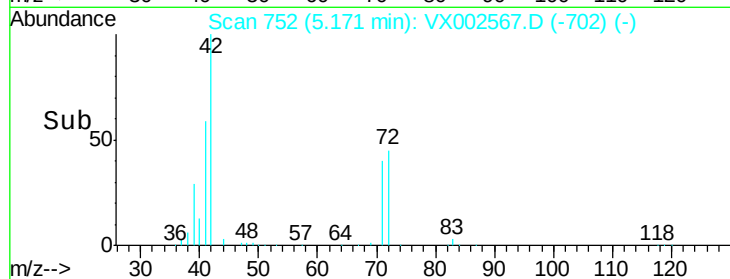
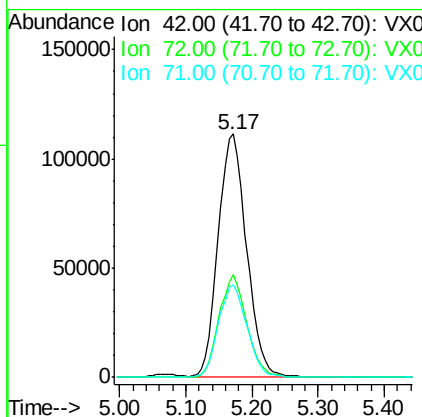
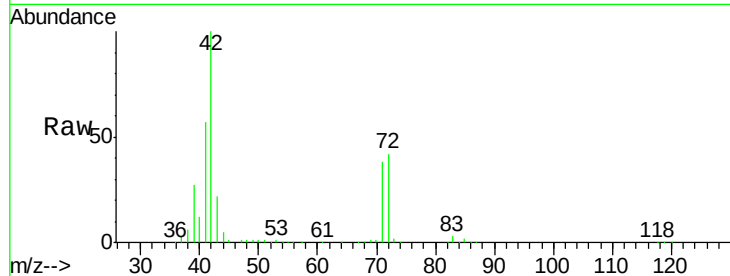
#29
Tetrahydrofuran
Concen: 232.171 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.0	48.0
71	38.4	30.1	45.1

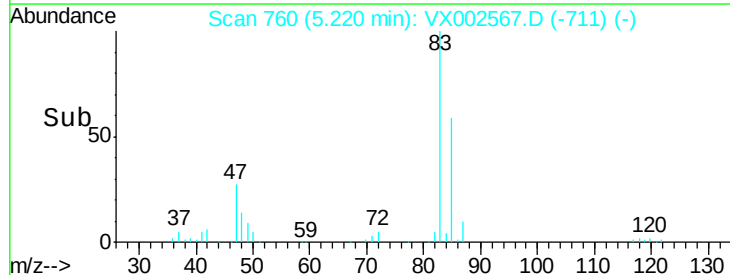
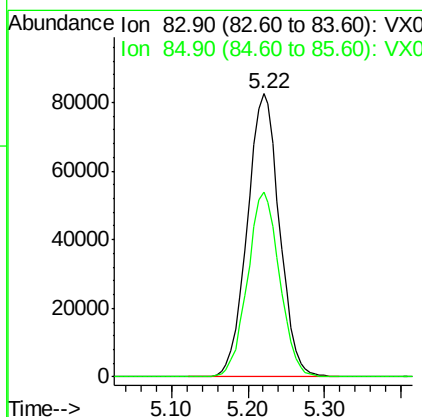
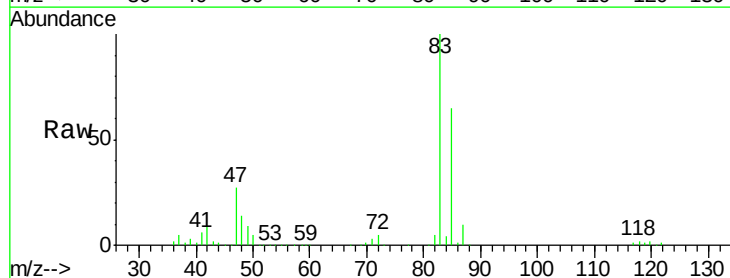
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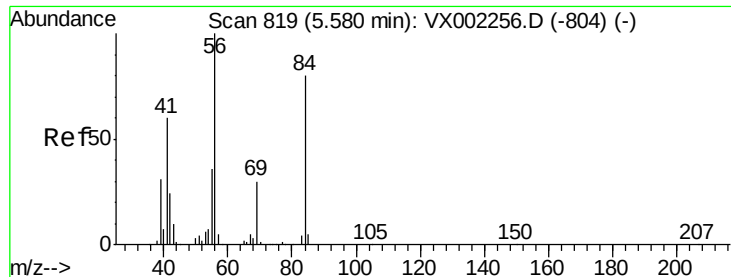
MMDadoda
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#30
Chloroform
Concen: 48.622 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6





#31

Cyclohexane

Concen: 44.971 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

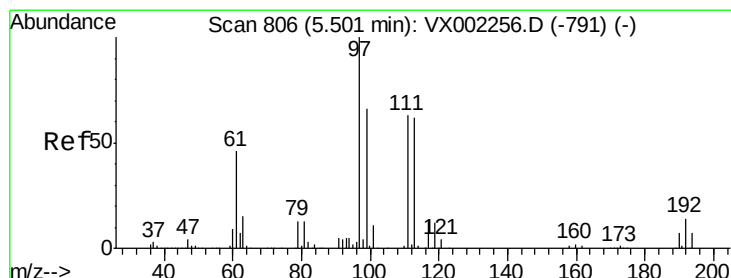
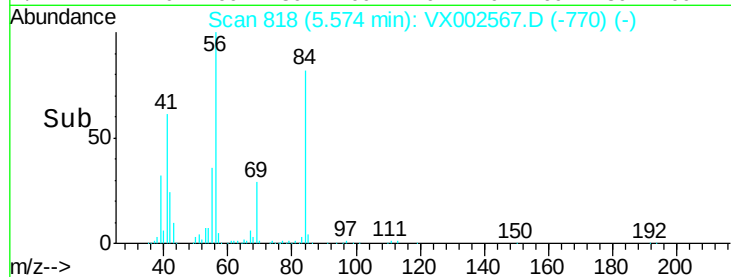
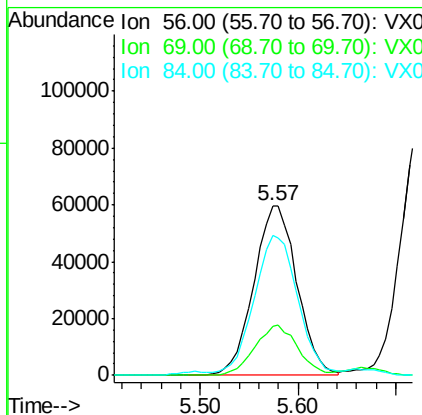
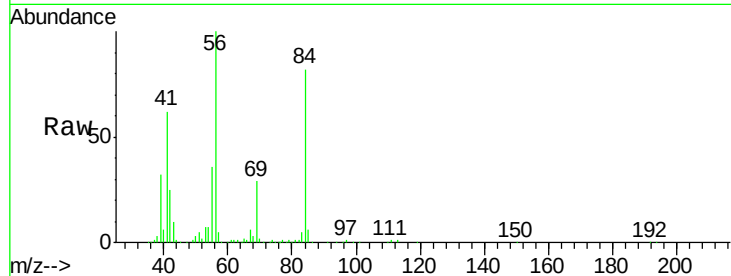
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	183220
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.7	35.5
84	80.1	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 48.723 ug/l

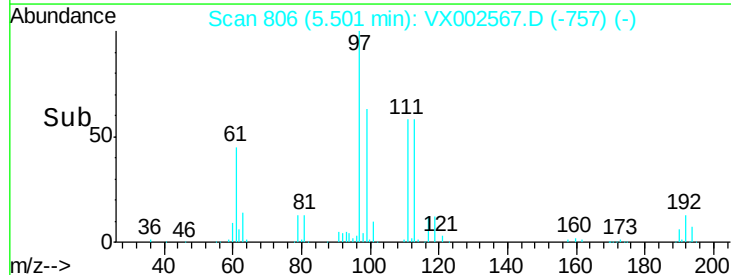
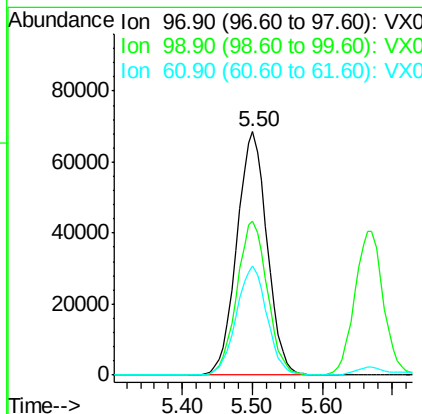
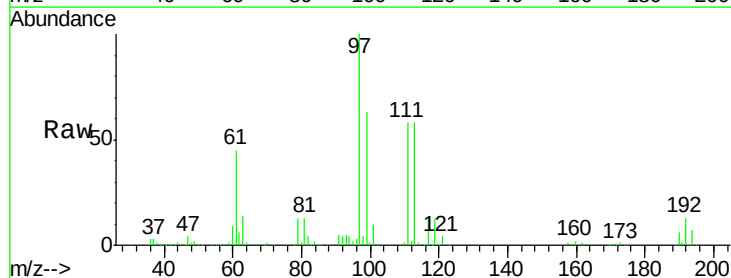
RT: 5.50 min Scan# 806

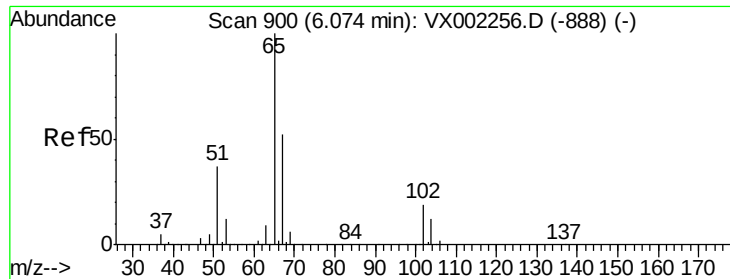
Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion:	97	Resp:	205438
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	45.5	36.4	54.6





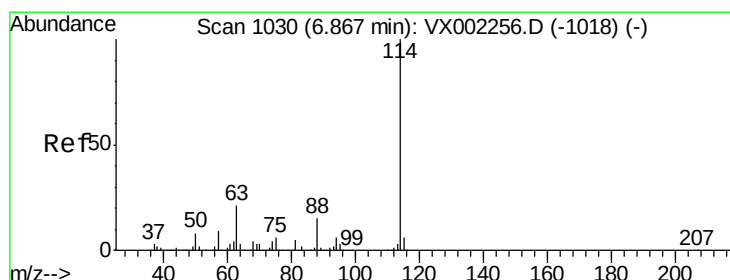
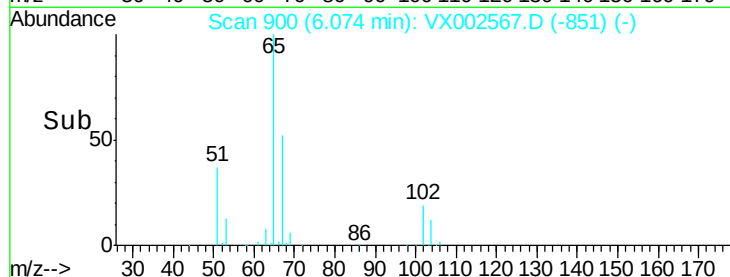
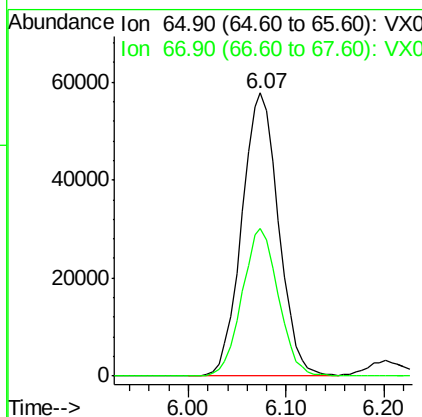
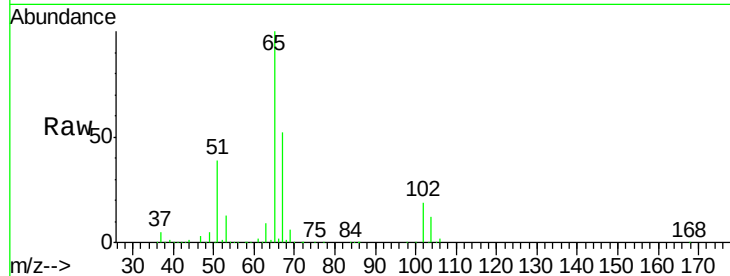
#33
 1,2-Dichloroethane-d4
 Concen: 46.392 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.6

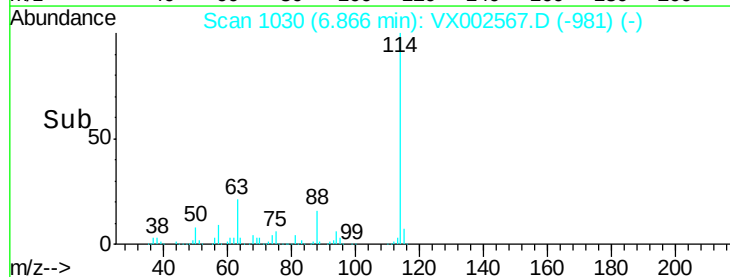
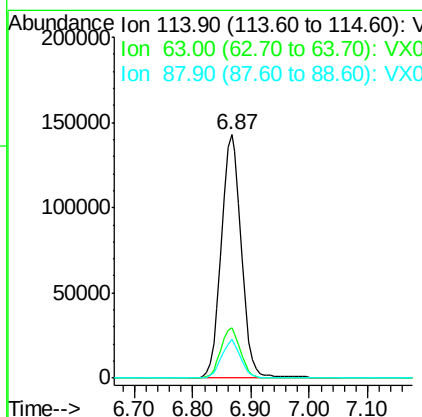
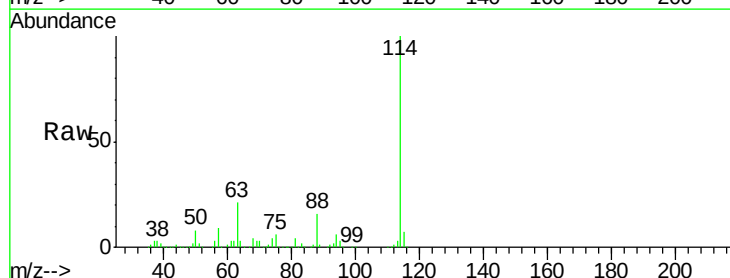
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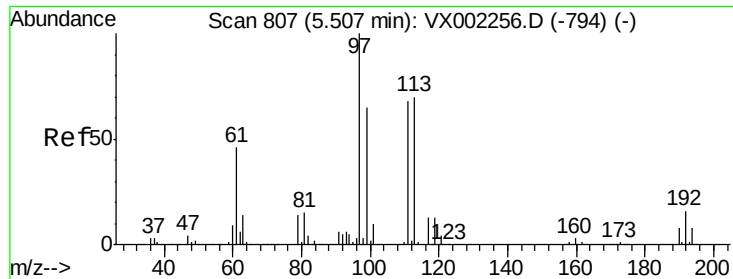
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.8	0.0	30.0





#35

Dibromofluoromethane

Concen: 44.377 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

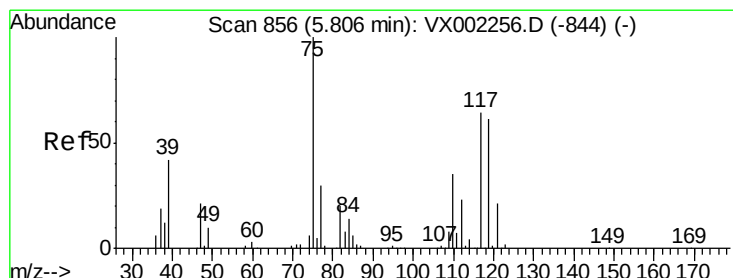
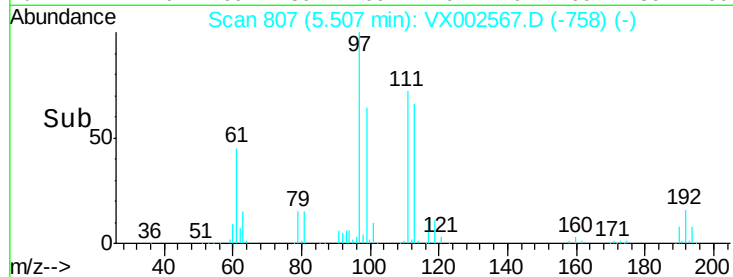
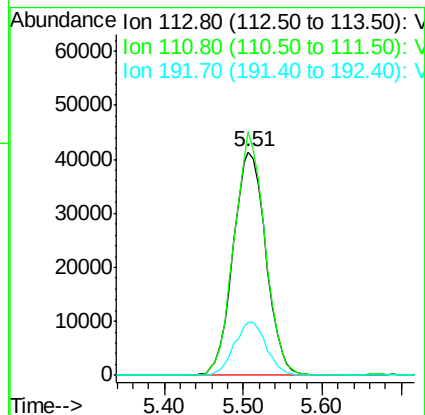
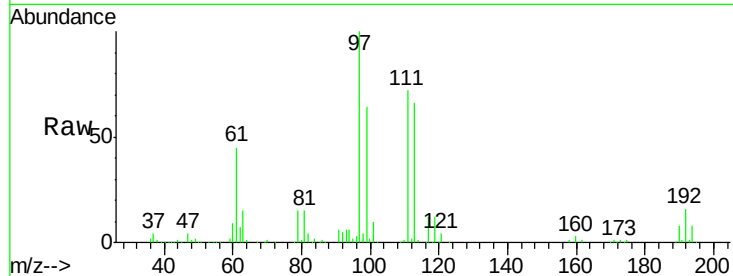
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	119302
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.0
192	23.4	19.1	28.7

Manual Integrations
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6/15/2018 1:11:55 PM



#36

1,1-Dichloropropene

Concen: 45.258 ug/l

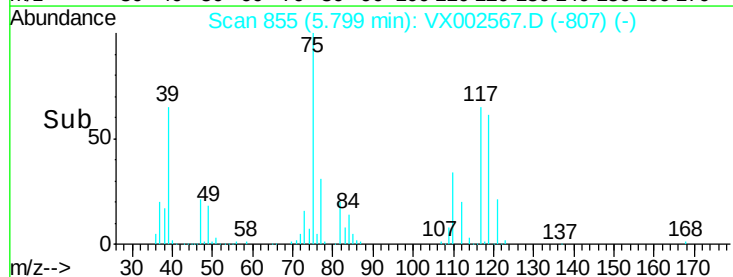
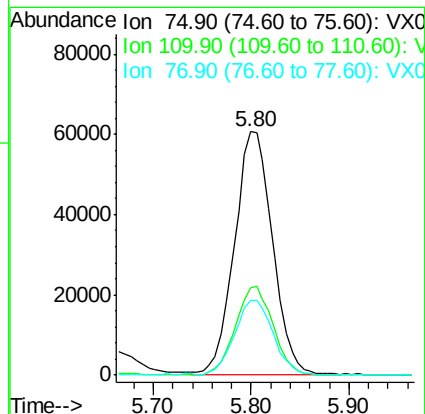
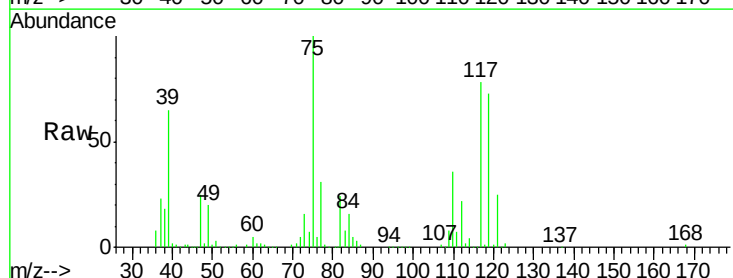
RT: 5.80 min Scan# 855

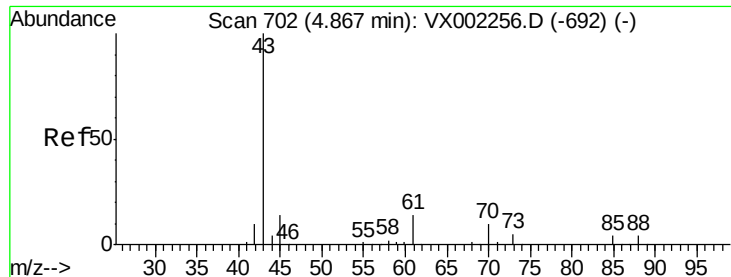
Delta R.T. -0.01 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion:	75	Resp:	162651
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.4
77	31.3	24.3	36.5





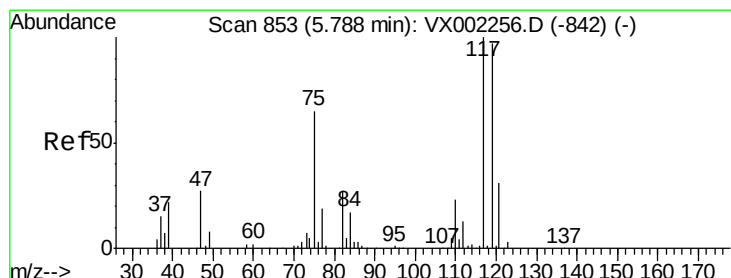
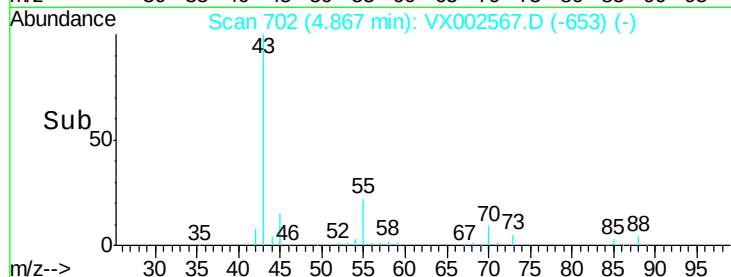
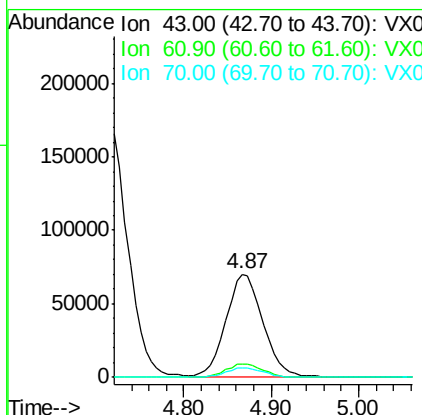
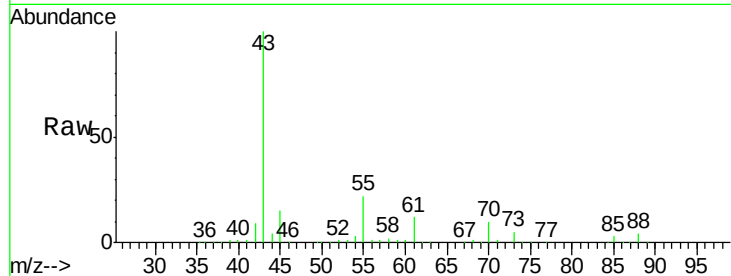
#37
Ethyl Acetate
Concen: 47.112 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.7	7.6	11.4

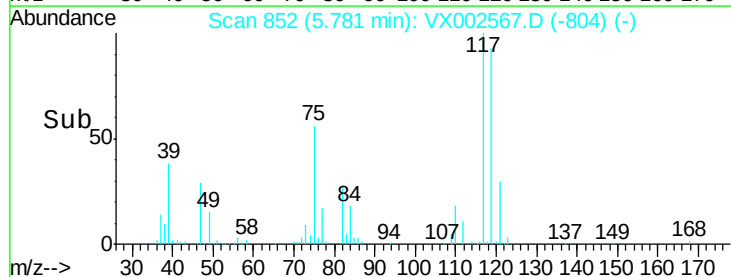
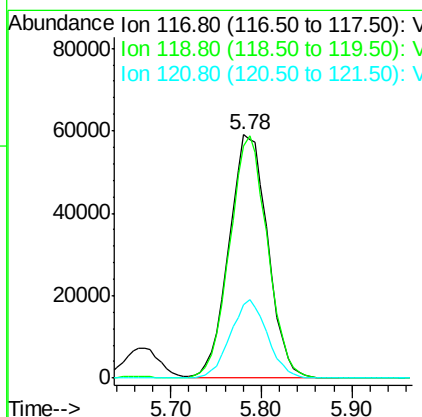
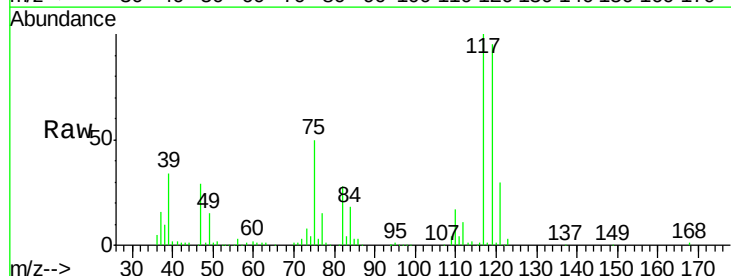
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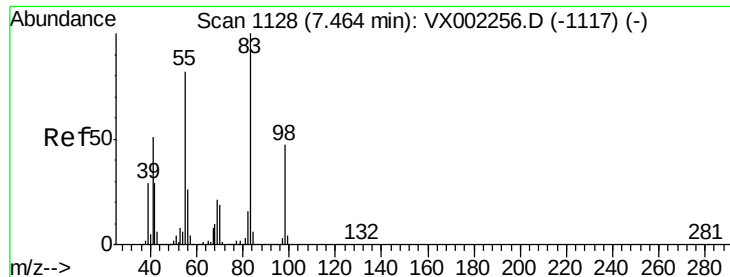
MMDadoda
6/15/2018 1:11:55 PM



#38
Carbon Tetrachloride
Concen: 46.317 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
121	30.2	24.4	36.6





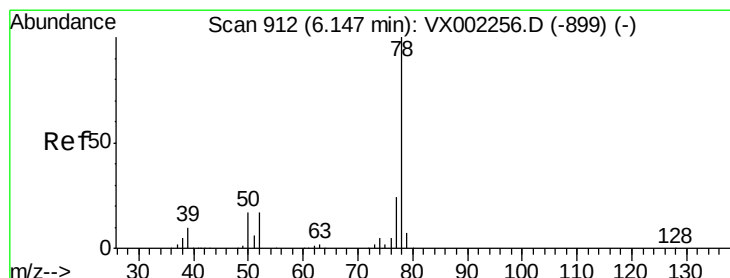
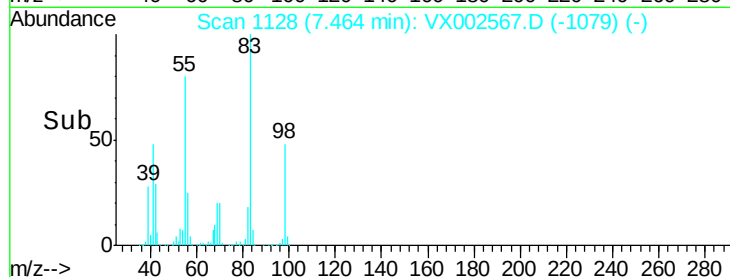
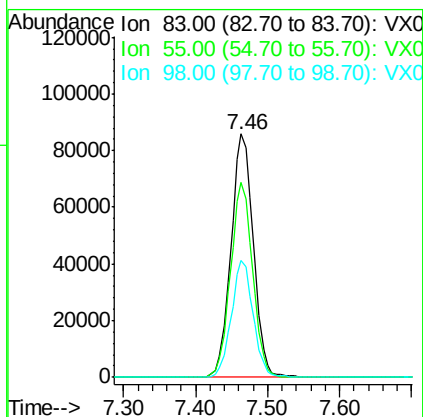
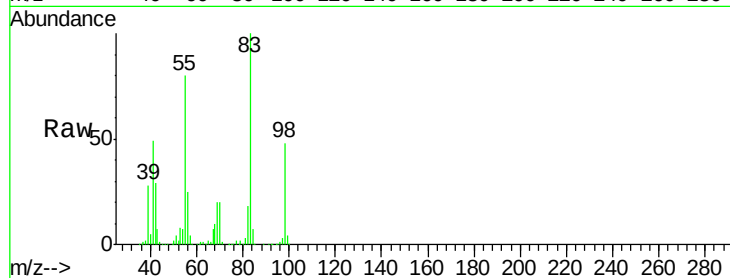
#39
Methylvlcyclohexane
Concen: 41.896 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.0	65.4	98.0	
98	47.8	37.4	56.0	

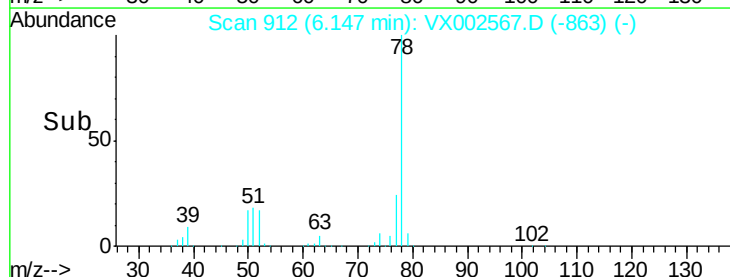
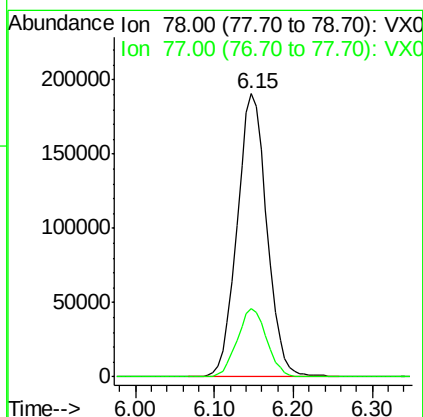
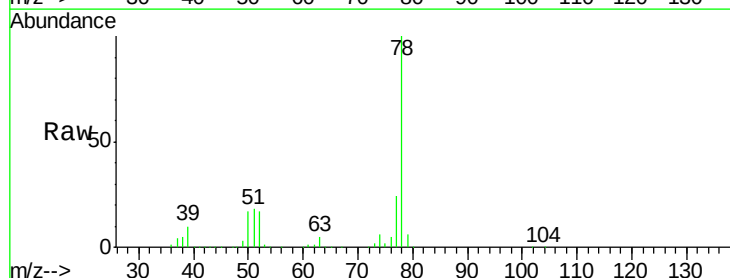
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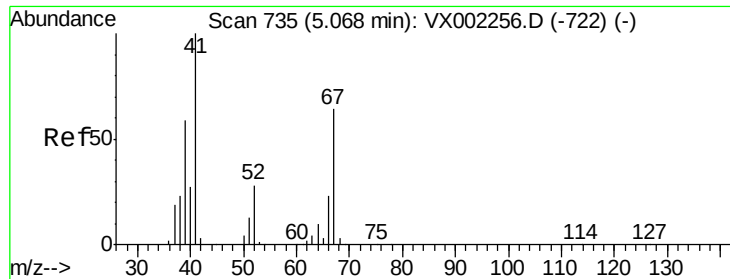
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#40
Benzene
Concen: 45.440 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.1	28.7	





#41

Methacrylonitrile

Concen: 47.258 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

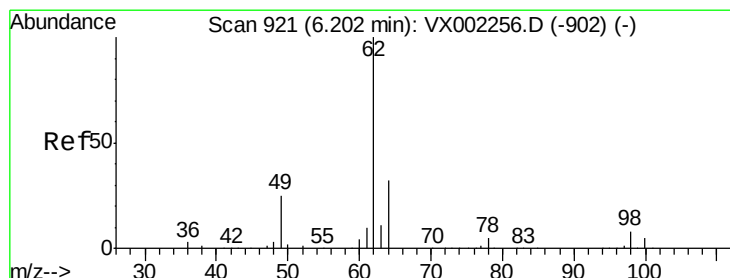
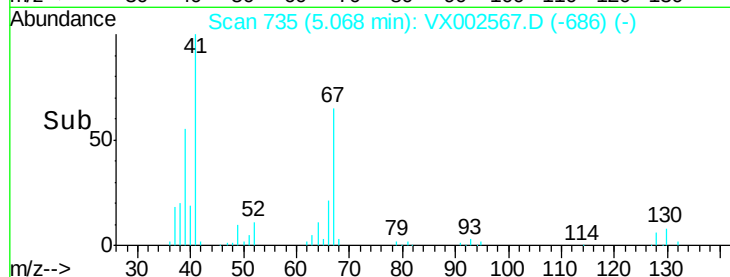
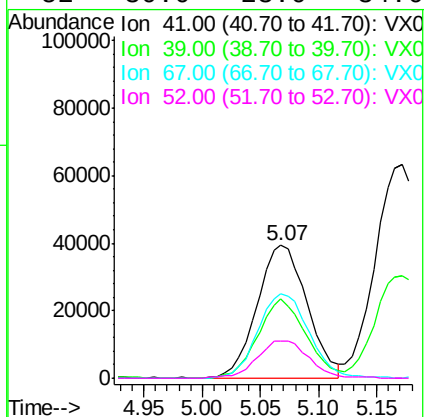
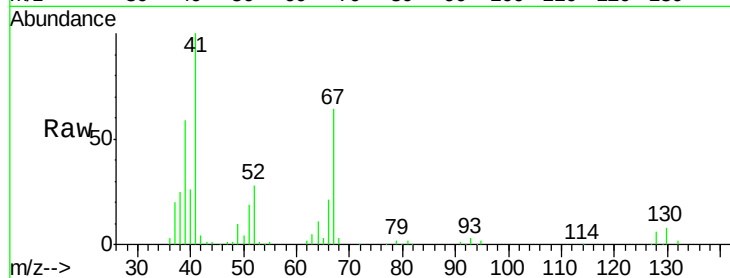
VSTDCCC050

Tot Ion: 41 Resp: 116923

Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.6
67	65.6	51.3	76.9
52	30.0	23.0	34.6

Manual Integrations
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6/15/2018 1:11:55 PM



#42

1,2-Dichloroethane

Concen: 46.449 ug/l

RT: 6.20 min Scan# 921

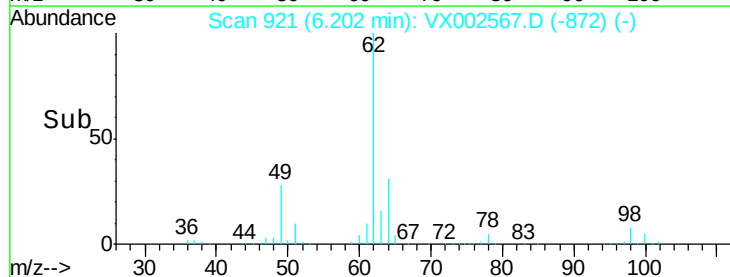
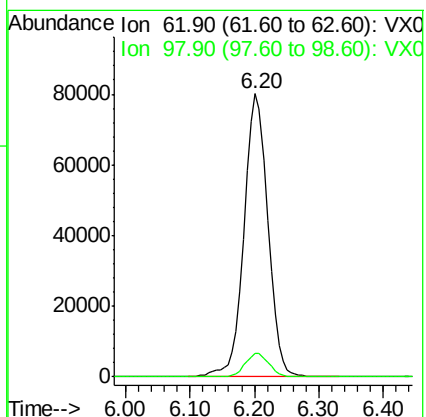
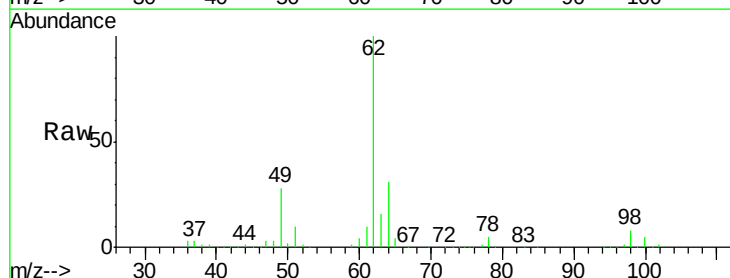
Delta R.T. -0.00 min

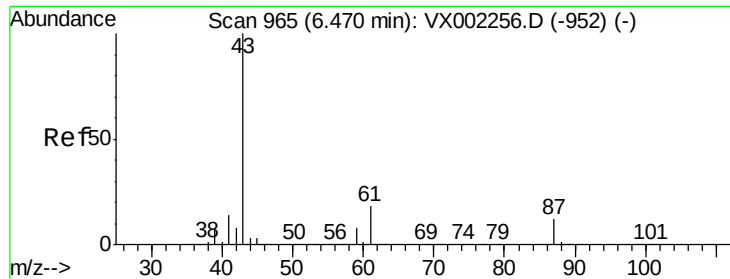
Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion: 62 Resp: 203356

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 47.225 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

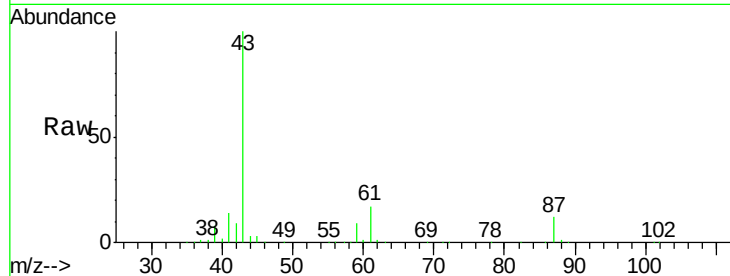
ClientSampleId :

VSTDCCC050

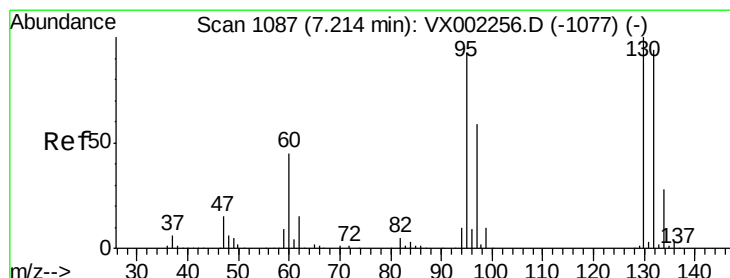
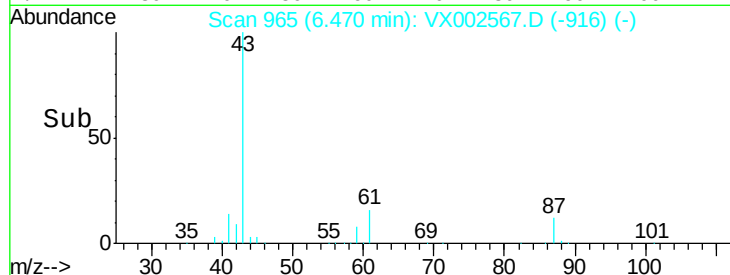
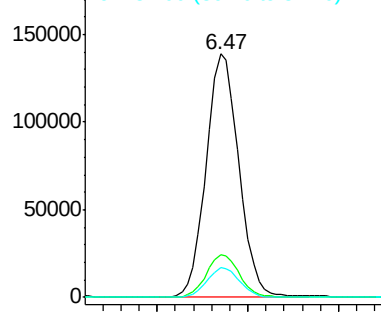
Tot Ion:	43	Resp:	346682
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.4	21.6
87	12.1	9.5	14.3

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX002256.D (-952) (-)



#44

Trichloroethene

Concen: 47.638 ug/l

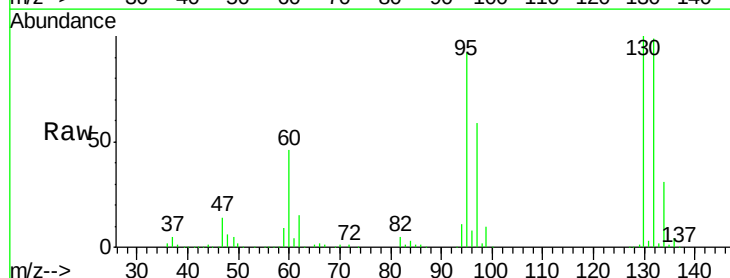
RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

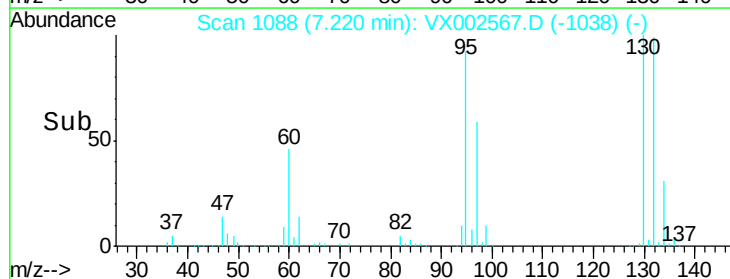
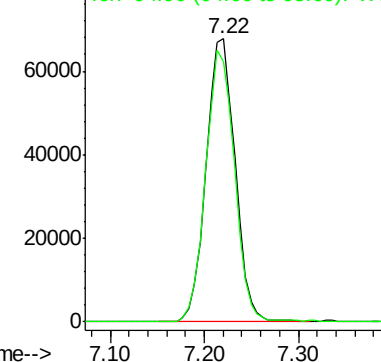
Lab File: VX002567.D

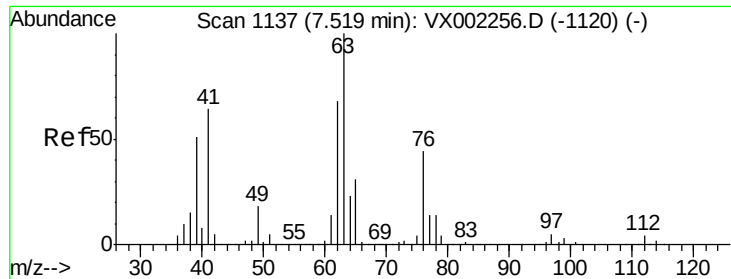
Acq: 14 Jun 2018 22:31

Tgt Ion:	130	Resp:	145691
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002256.D (-1077) (-)





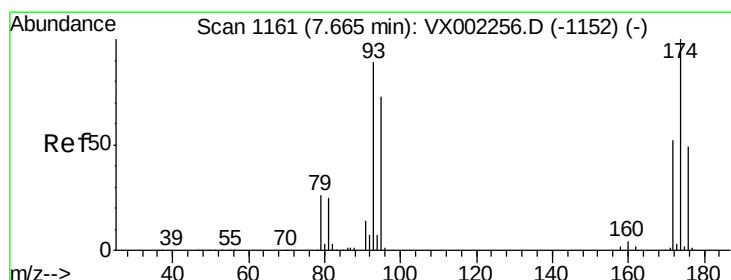
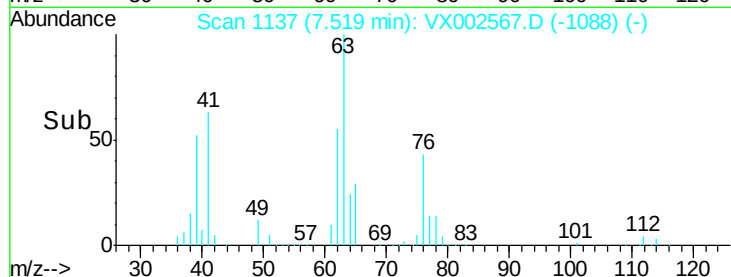
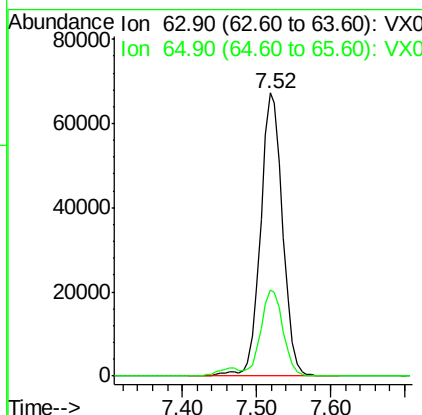
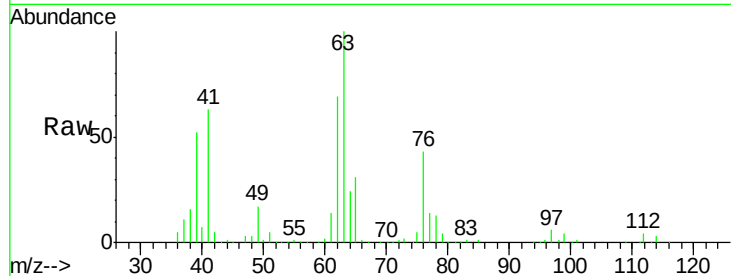
#45
 1,2-Dichloropropane
 Concen: 46.961 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 139703
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

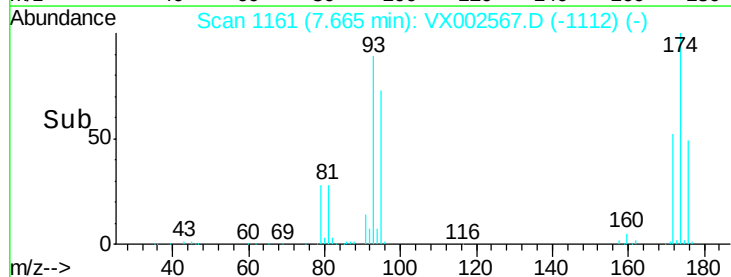
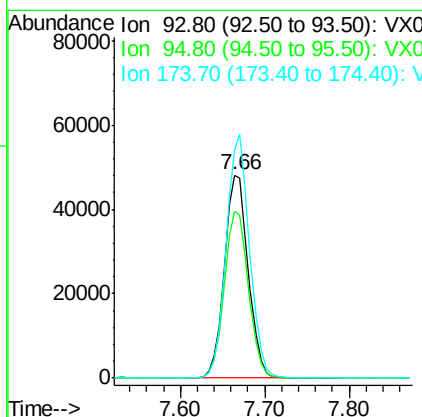
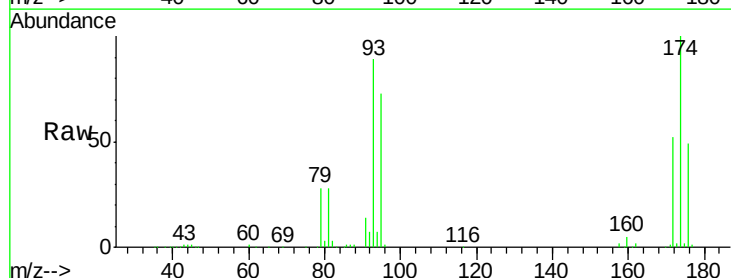
Manual Integrations
 APPROVED

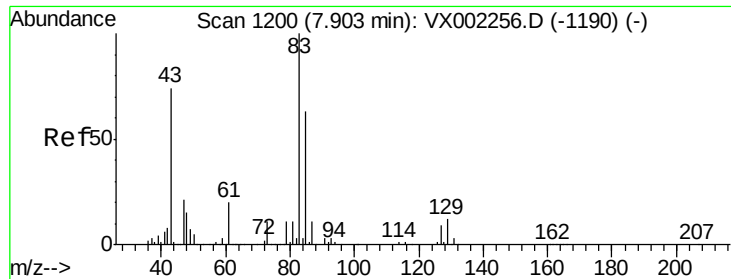
MMDadoda
 6/15/2018 1:11:55 PM



#46
 Dibromomethane
 Concen: 46.339 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion: 93 Resp: 93451
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 116.8 92.4 138.6





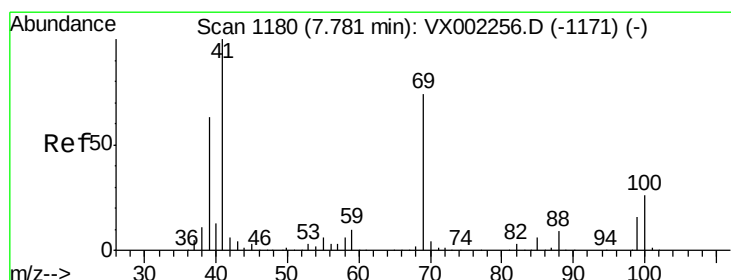
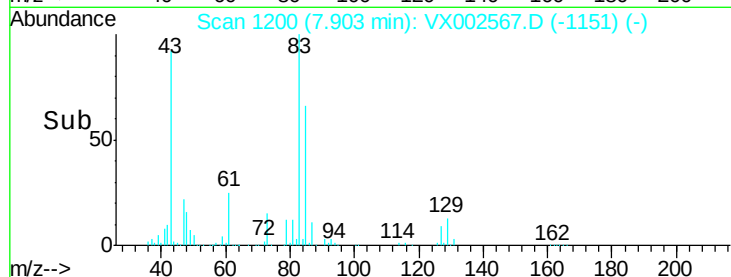
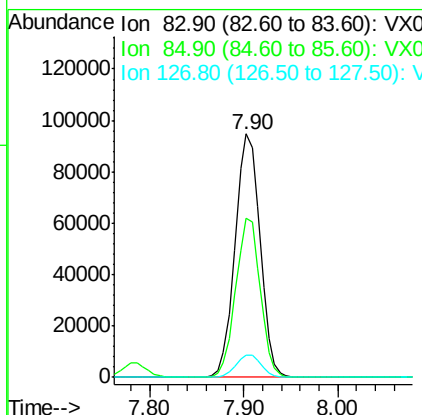
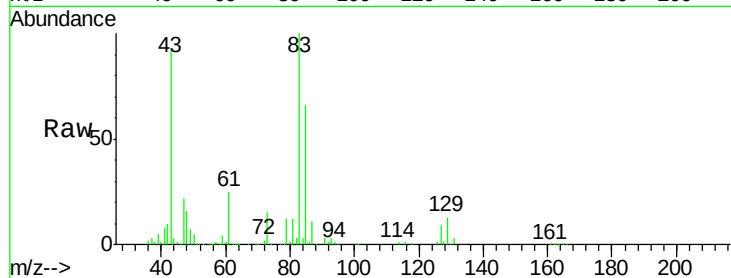
#47
Bromodichloromethane
Concen: 47.984 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.3	75.5
127	9.2	7.0	10.4

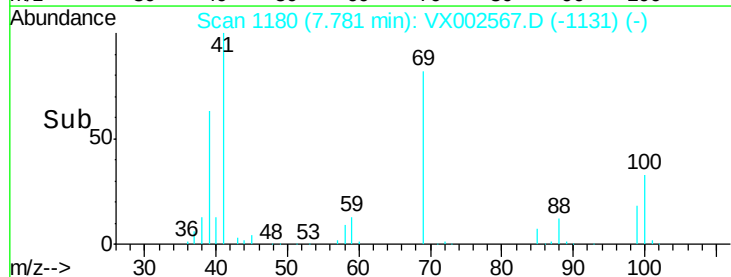
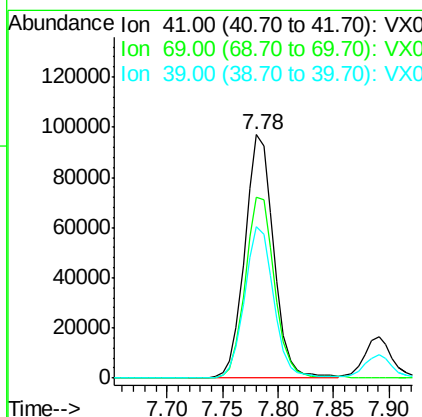
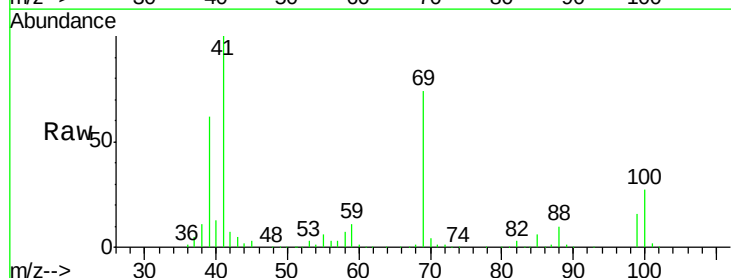
Manual Integrations
APPROVED

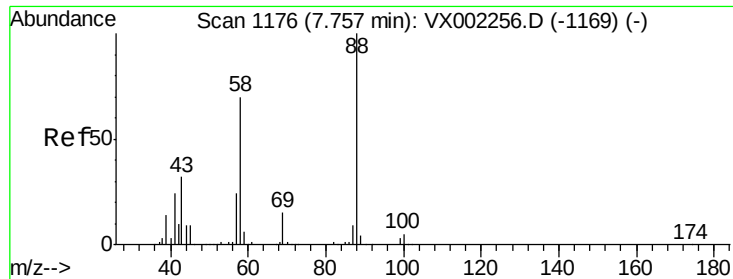
MMDadoda
6/15/2018 1:11:55 PM



#48
Methyl methacrylate
Concen: 47.508 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.1	88.7
39	62.6	48.9	73.3





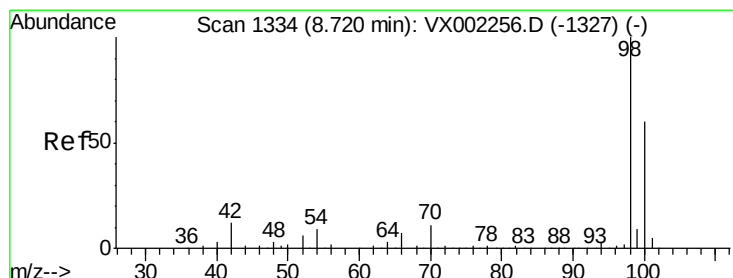
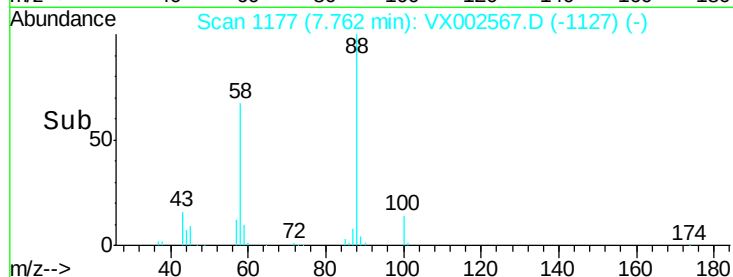
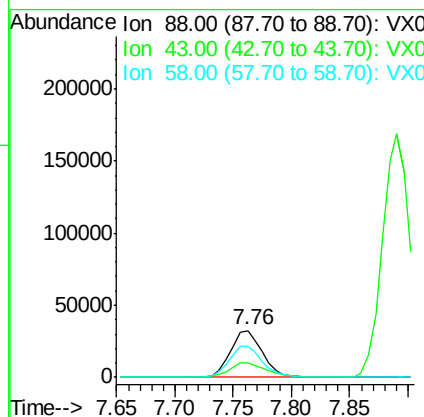
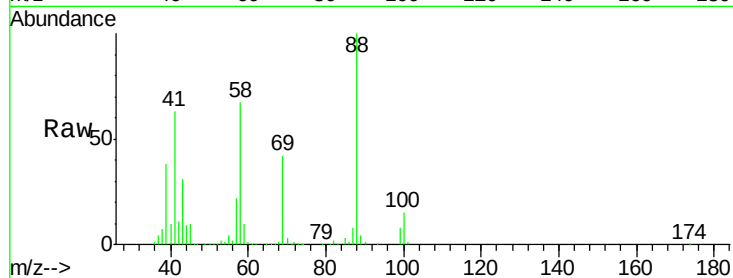
#49
1,4-Dioxane
Concen: 892.224 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.8	44.6
58	70.1	57.1	85.7

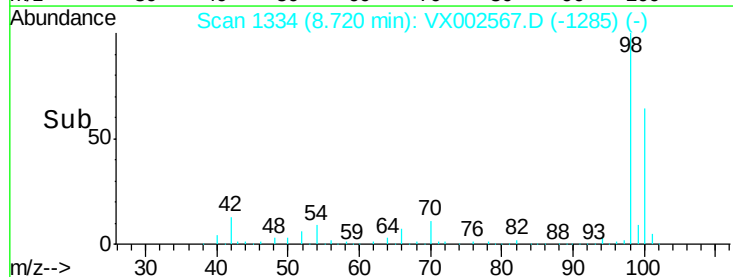
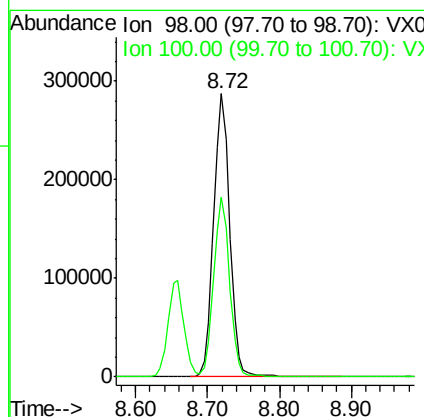
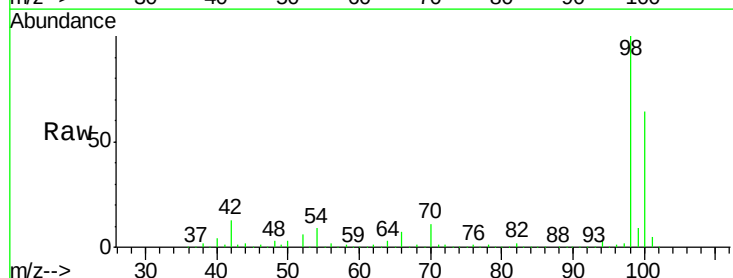
Manual Integrations
APPROVED

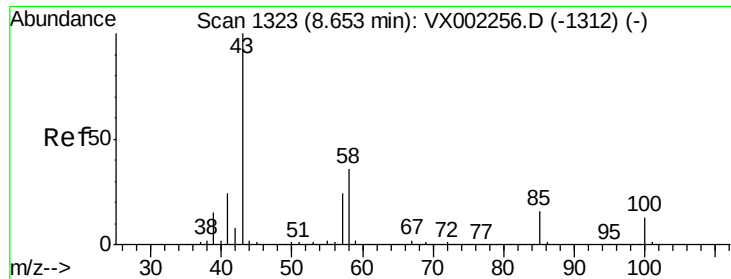
MMDadoda
6/15/2018 1:11:55 PM



#50
Toluene-d8
Concen: 43.191 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 246.043 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1124808

Ion Ratio Lower Upper

43 100

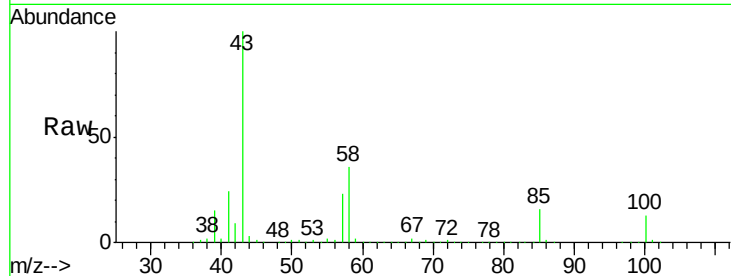
58 35.8 28.6 42.8

Manual Integrations

APPROVED

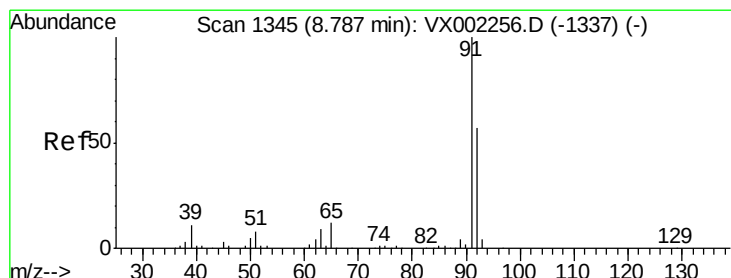
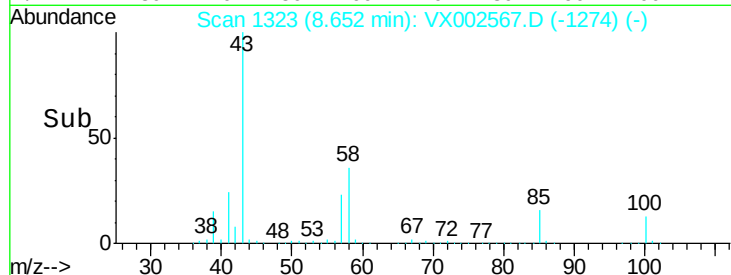
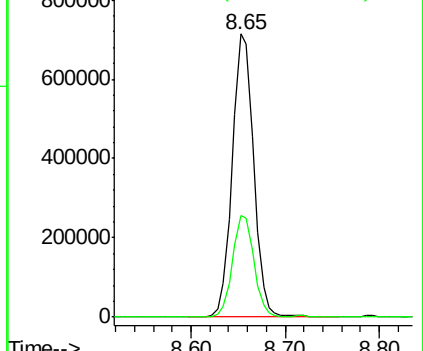
MMDadoda

6/15/2018 1:11:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.771 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002567.D

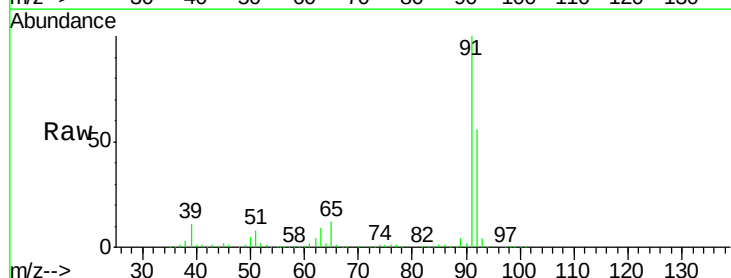
Acq: 14 Jun 2018 22:31

Tgt Ion: 92 Resp: 327796

Ion Ratio Lower Upper

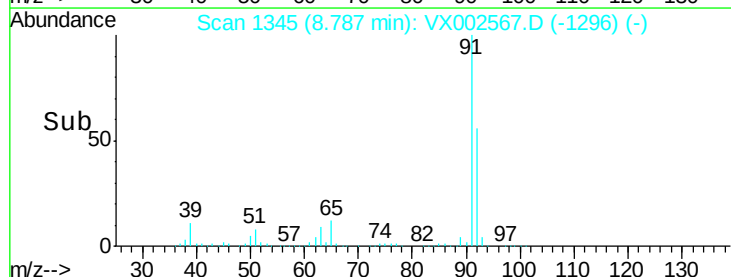
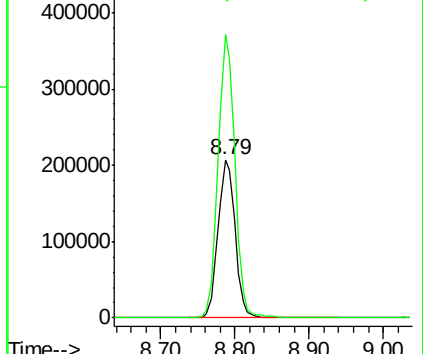
92 100

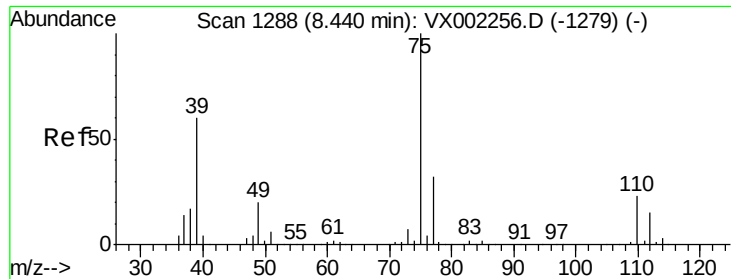
91 176.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





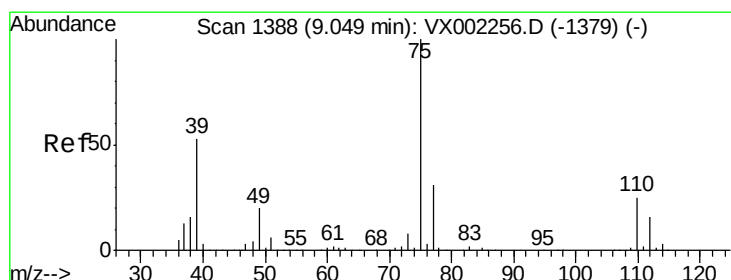
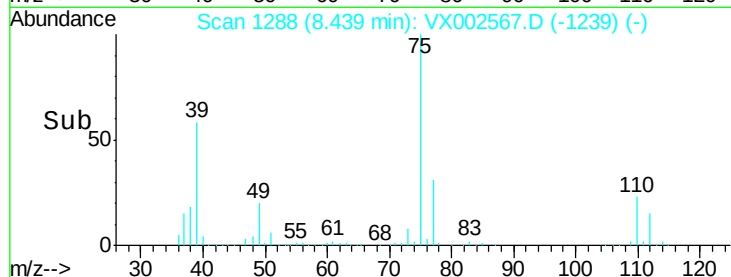
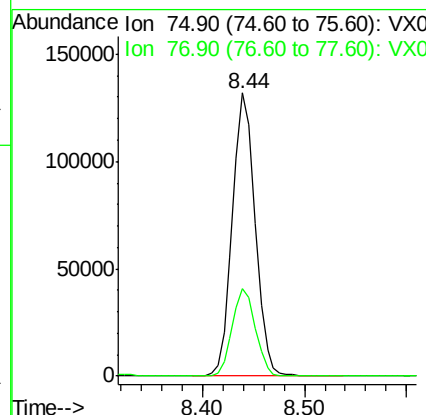
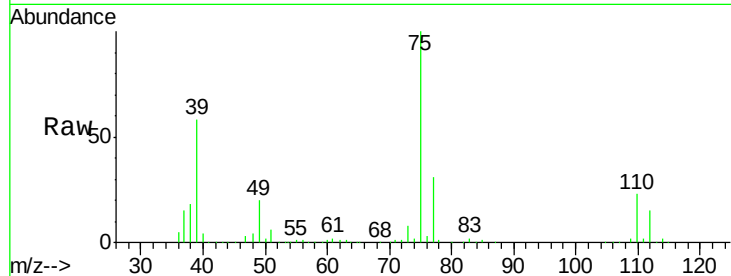
#53
t-1,3-Dichloropropene
Concen: 46.520 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 203474
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

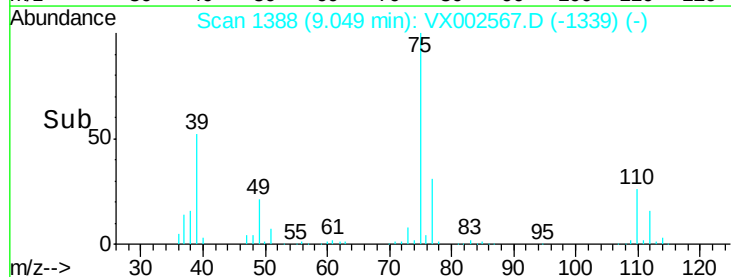
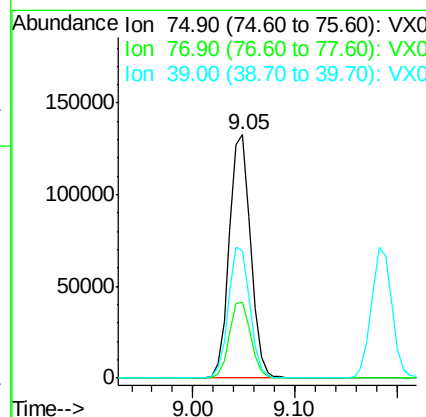
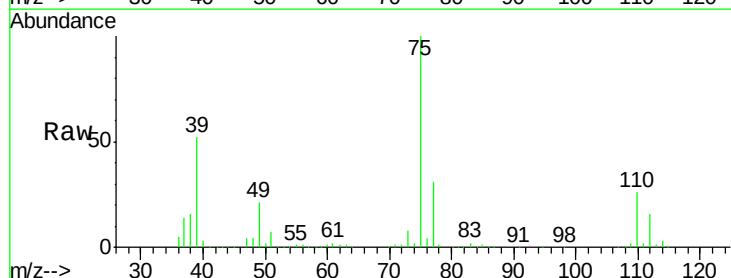
Manual Integrations
APPROVED

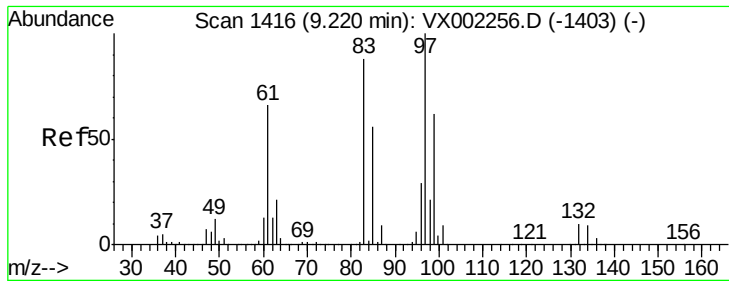
MMDadoda
6/15/2018 1:11:55 PM



#54
cis-1,3-Dichloropropene
Concen: 46.438 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 75 Resp: 191633
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 52.2 42.4 63.6





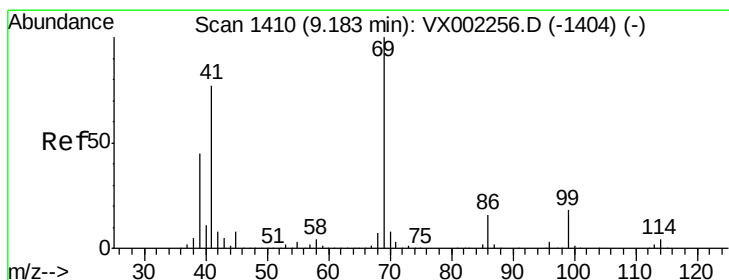
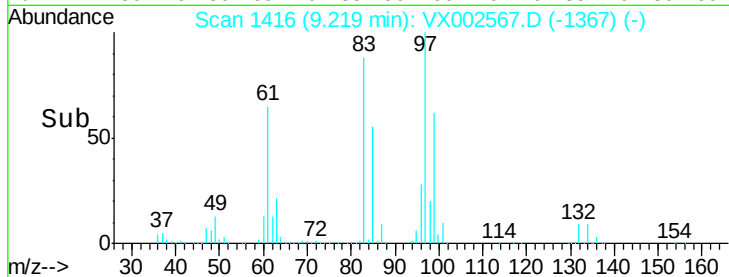
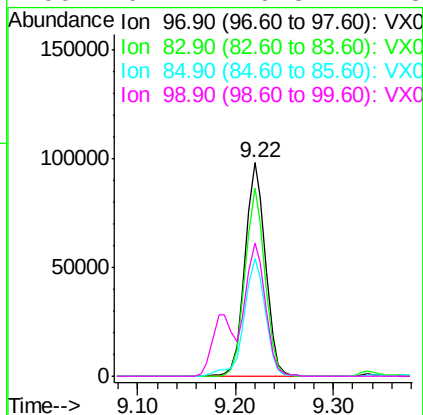
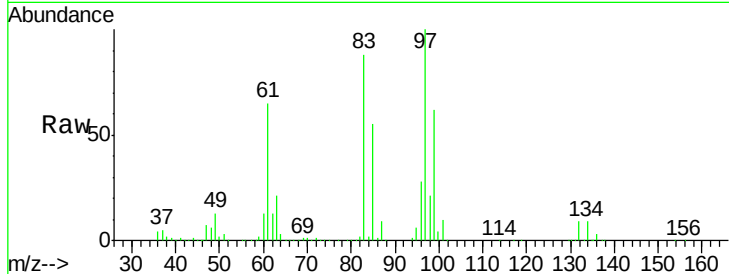
#55
 1,1,2-Trichloroethane
 Concen: 49.626 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	143050
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.2	105.2
85	55.0	44.9	67.3
99	62.1	49.8	74.8

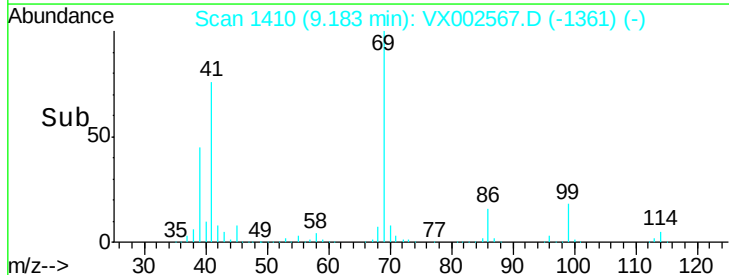
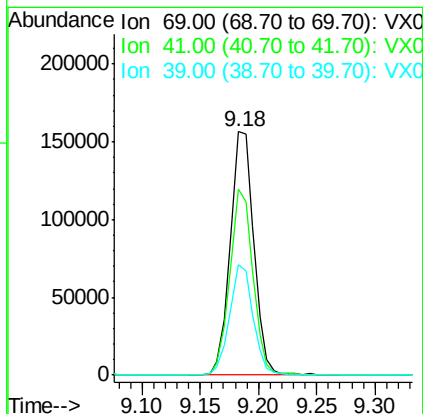
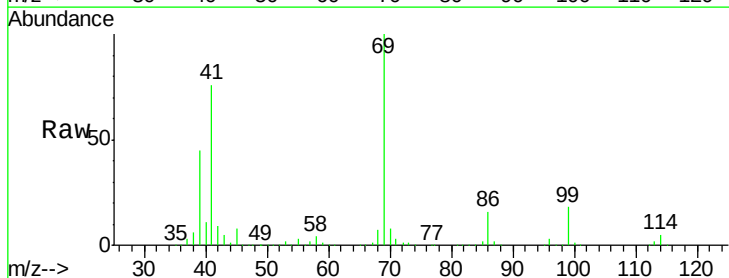
Manual Integrations
 APPROVED

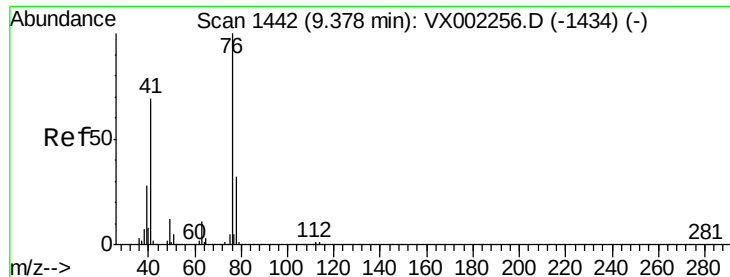
MMDadoda
 6/15/2018 1:11:55 PM



#56
 Ethyl methacrylate
 Concen: 48.420 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion:	69	Resp:	222831
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.3	90.5
39	44.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 48.213 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 233149

Ion Ratio Lower Upper

76 100

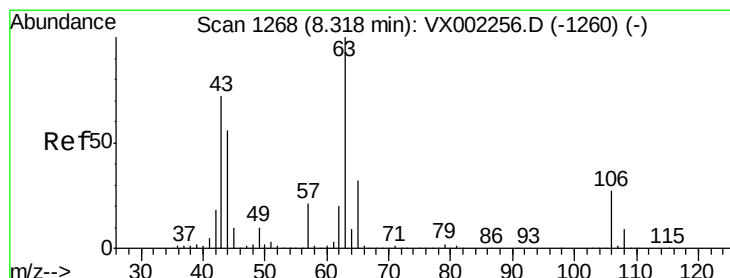
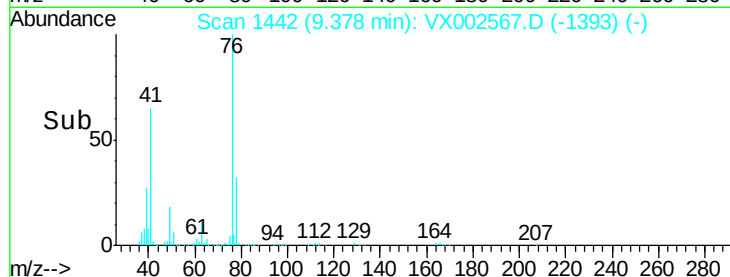
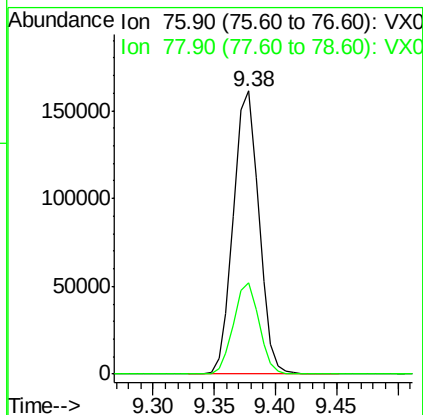
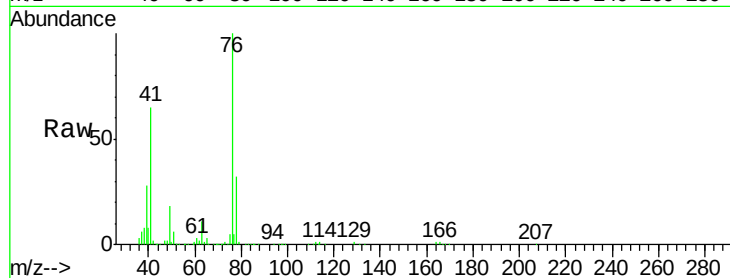
78 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/15/2018 1:11:55 PM



#58

2-Chloroethyl Vinyl ether

Concen: 251.606 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002567.D

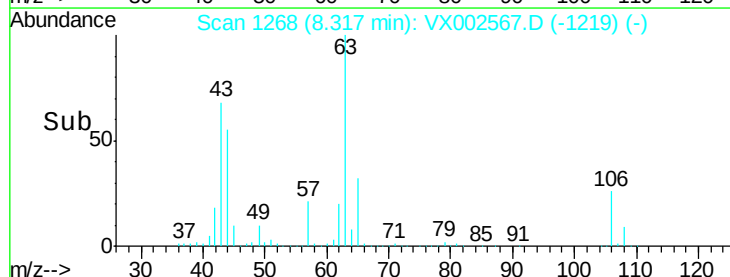
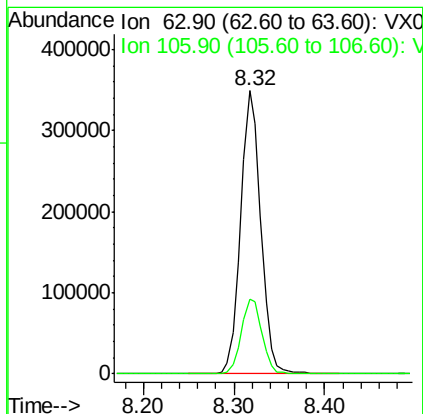
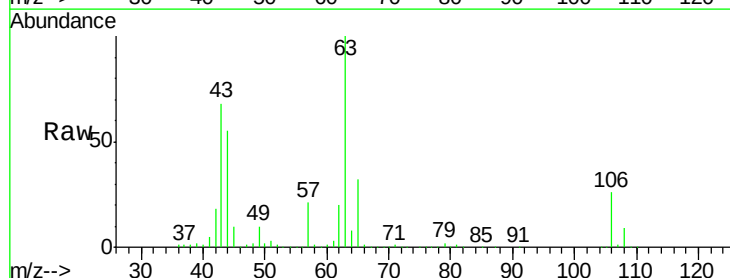
Acq: 14 Jun 2018 22:31

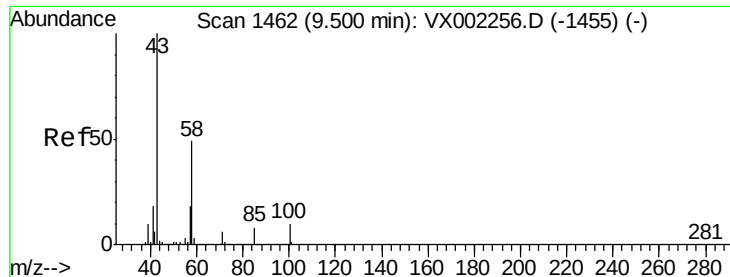
Tgt Ion: 63 Resp: 535923

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





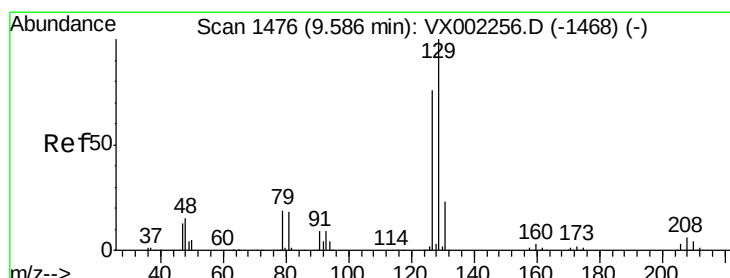
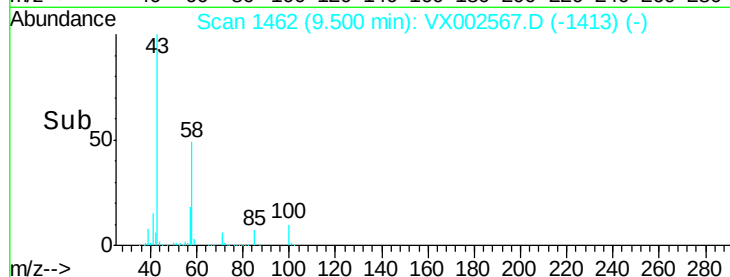
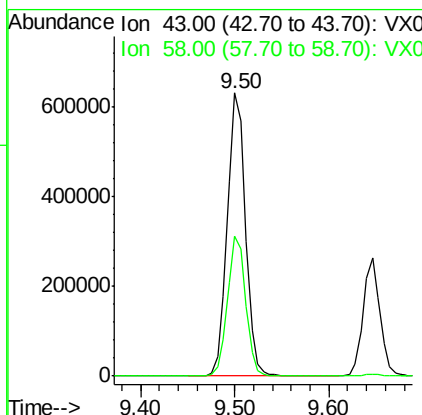
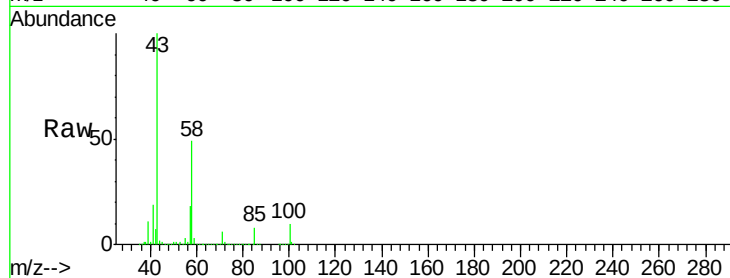
#59
2-Hexanone
Concen: 240.089 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	847782
Ion Ratio	43	100	
Lower	58	49.7	24.6
Upper			73.6

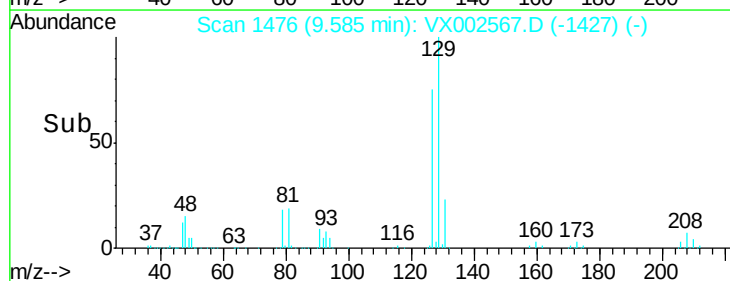
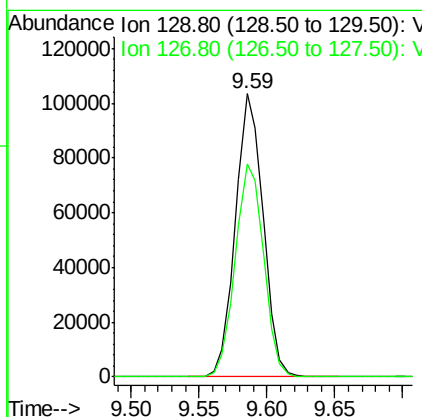
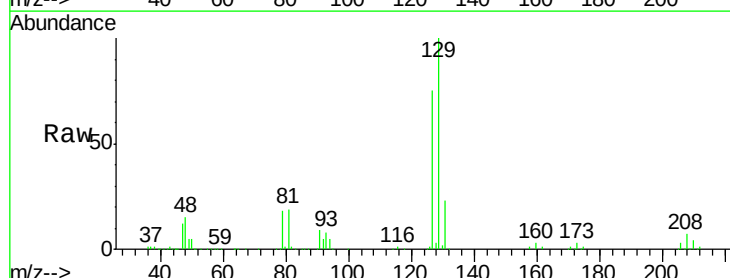
Manual Integrations
APPROVED

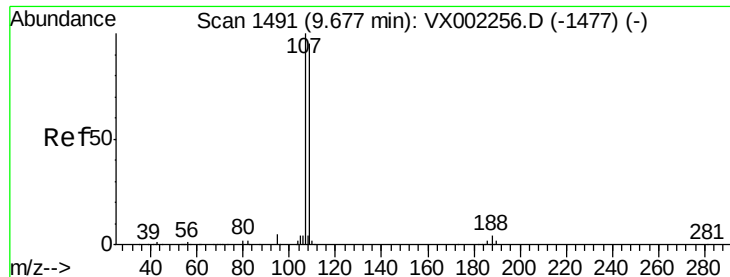
MMDadoda
6/15/2018 1:11:55 PM



#60
Dibromochloromethane
Concen: 50.709 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	129	Resp	147024
Ion Ratio	129	100	
Lower	127	77.4	38.5
Upper			115.3





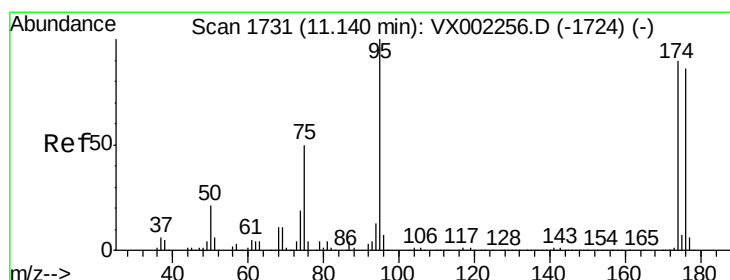
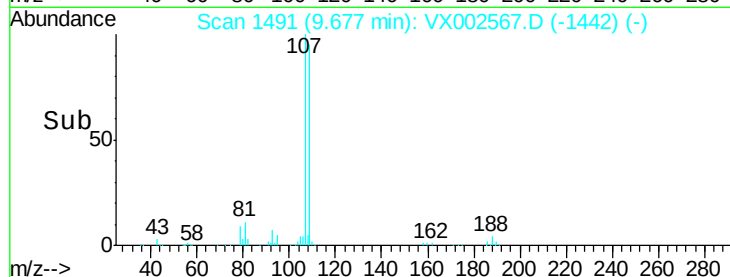
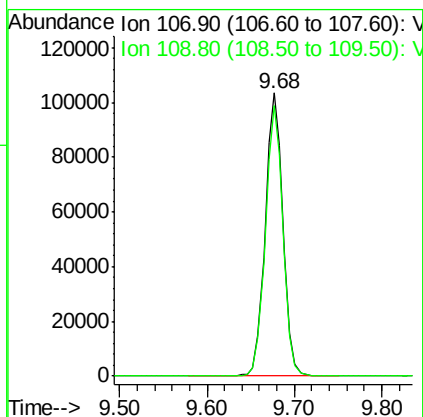
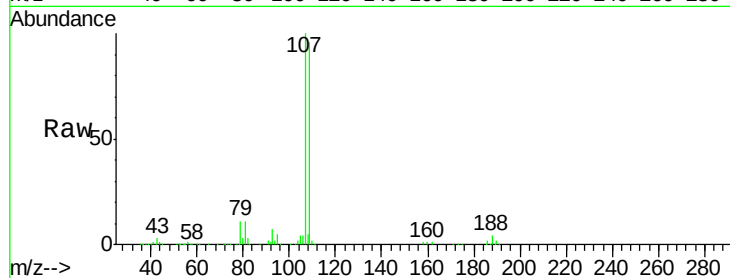
#61
 1,2-Dibromoethane
 Concen: 49.235 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.3	112.9

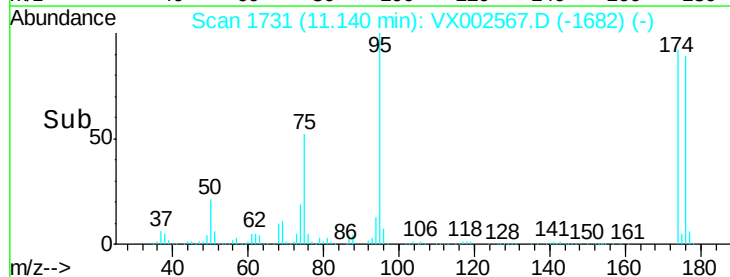
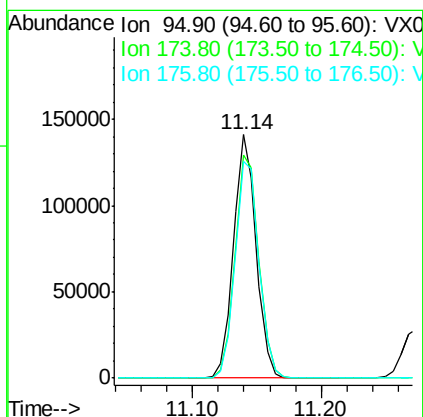
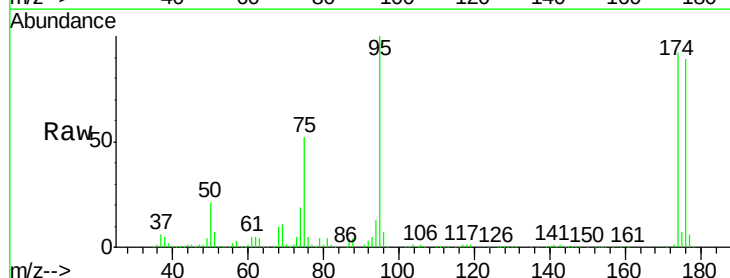
Manual Integrations
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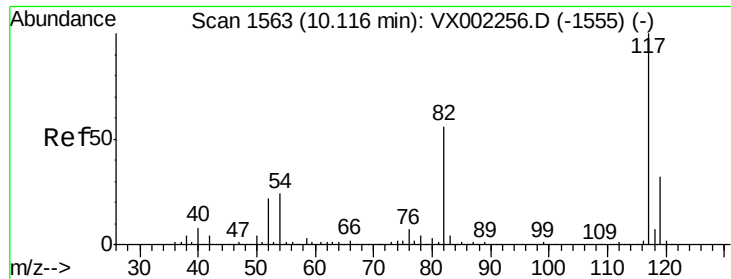
MMDadoda
 6/15/2018 1:11:55 PM



#62
 4-Bromofluorobenzene
 Concen: 43.434 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	187.4
176	94.2	0.0	181.0





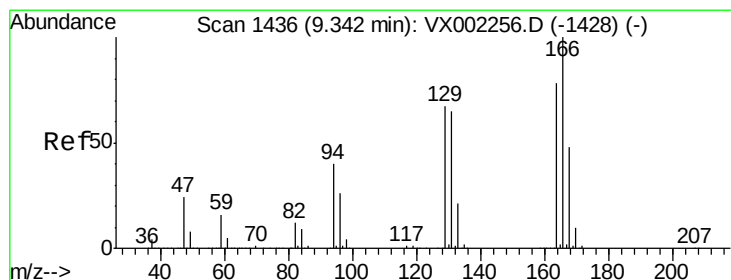
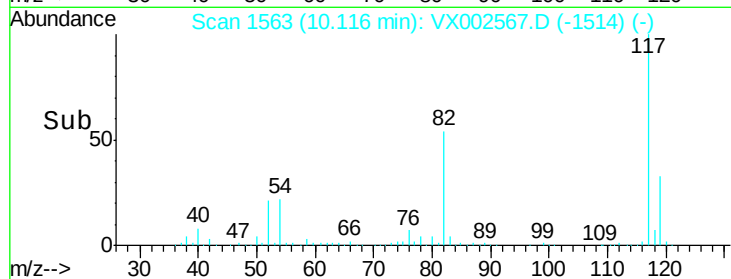
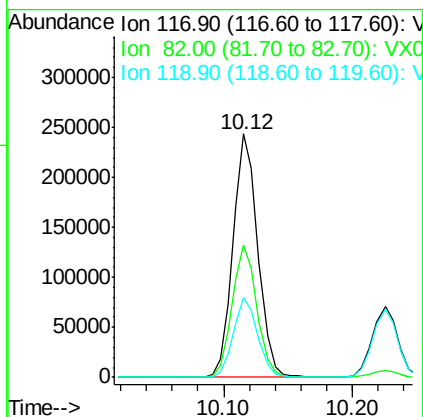
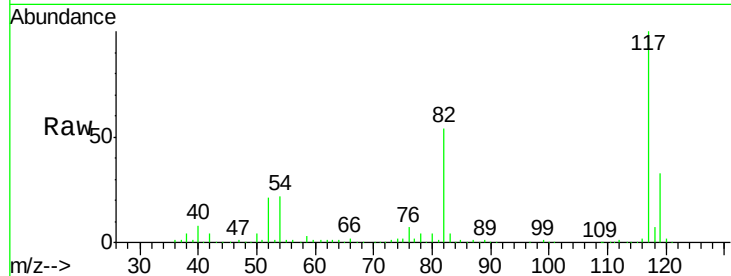
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.4
119	32.7	25.8	38.6

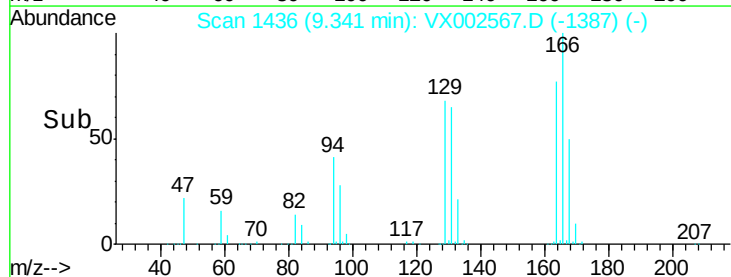
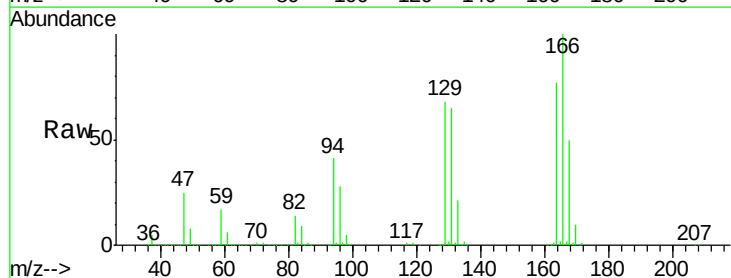
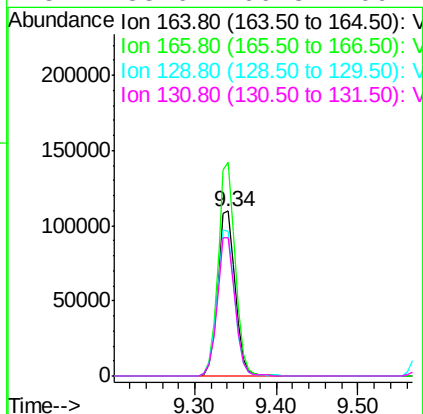
Manual Integrations
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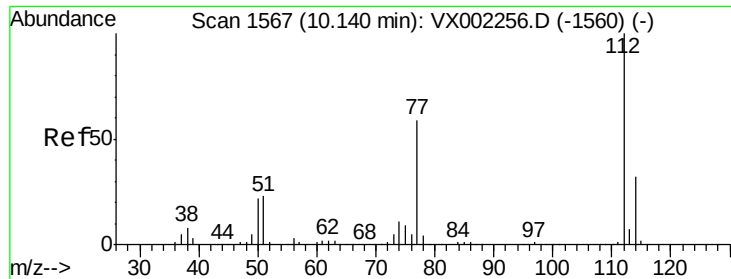
MMDadoda
6/15/2018 1:11:55 PM



#64
Tetrachloroethene
Concen: 49.184 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.9	154.3
129	87.7	68.6	102.8
131	83.6	66.8	100.2





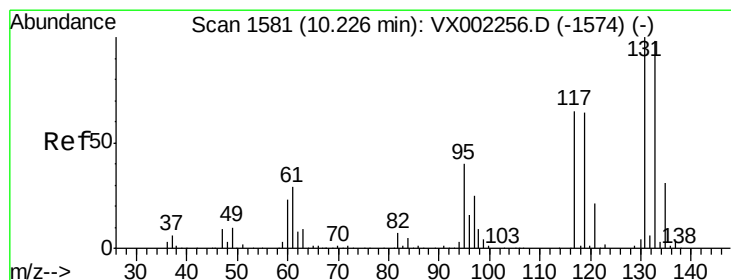
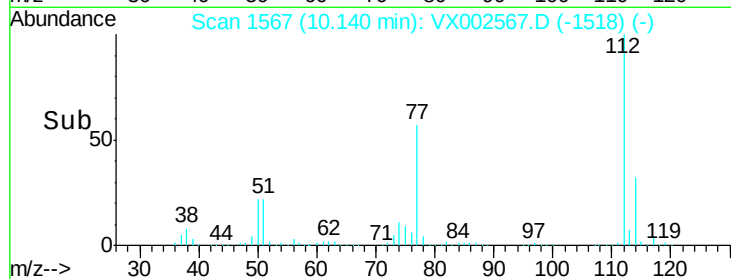
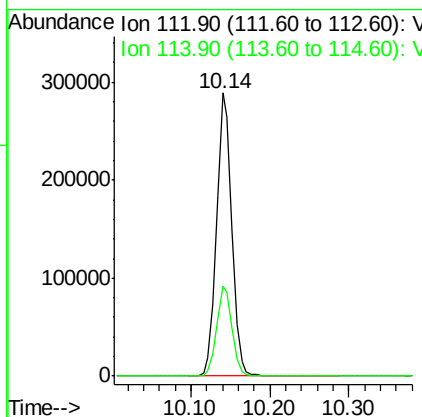
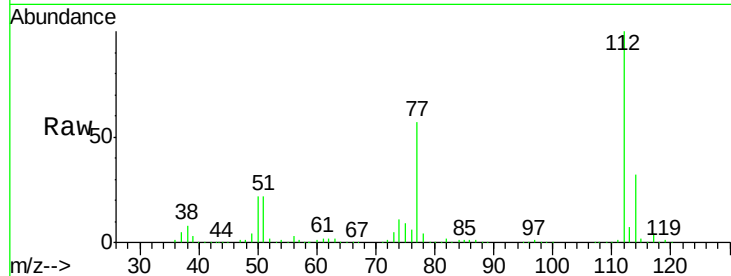
#65
Chlorobenzene
Concen: 47.716 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 388676
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

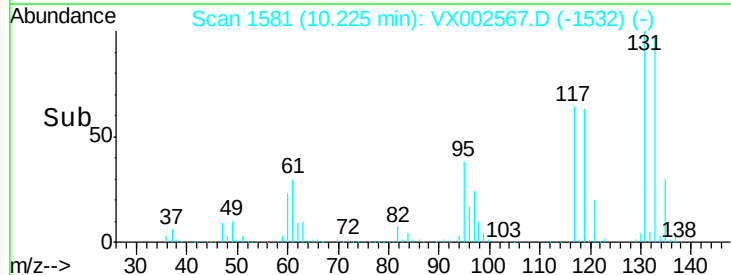
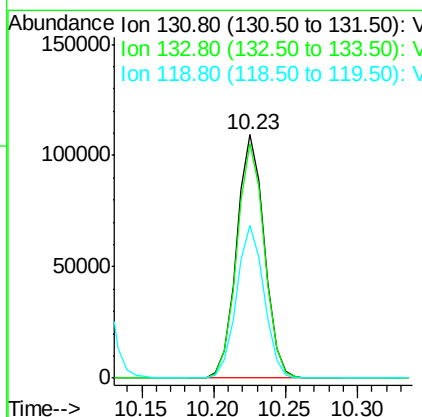
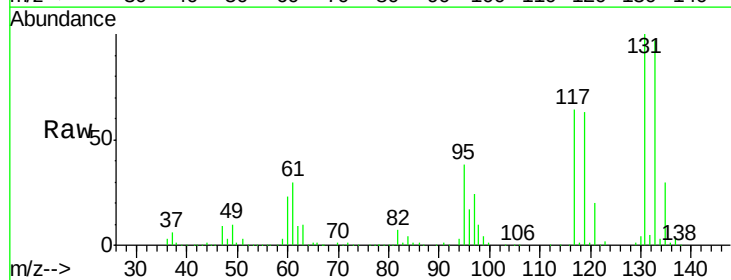
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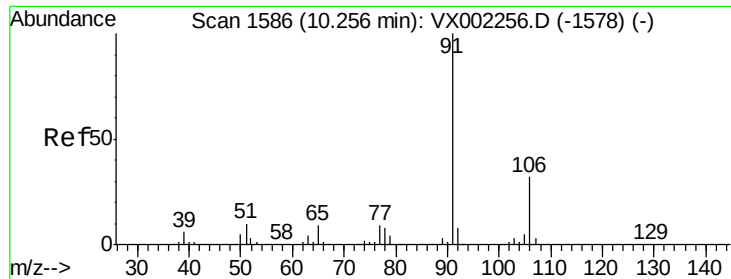
MMDadoda
6/15/2018 1:11:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.579 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion:131 Resp: 146232
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 62.4 31.8 95.3





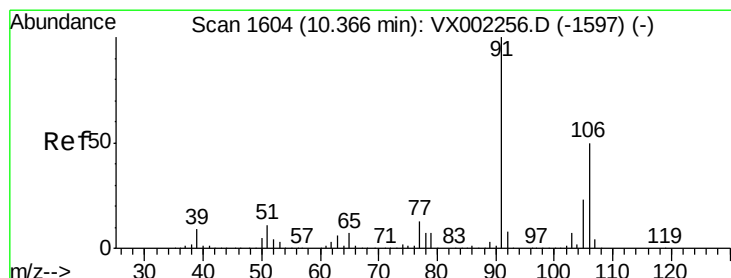
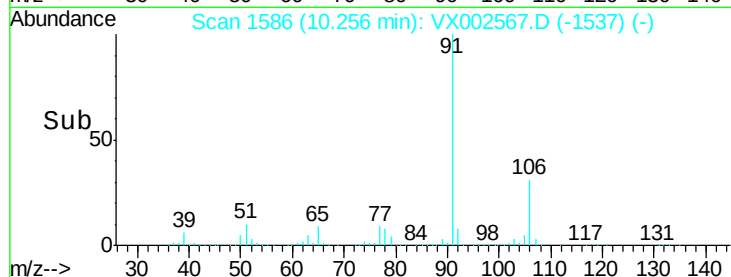
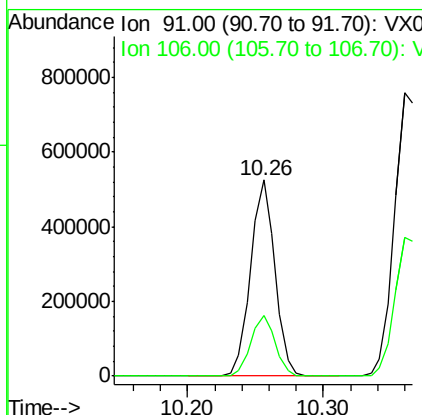
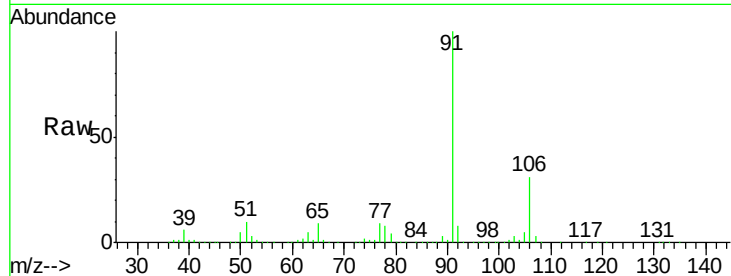
#67
Ethyl Benzene
Concen: 48.585 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 662316
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

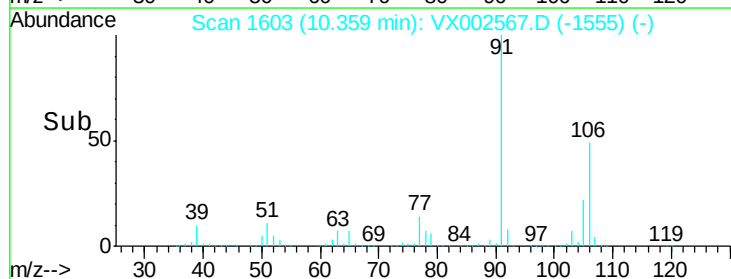
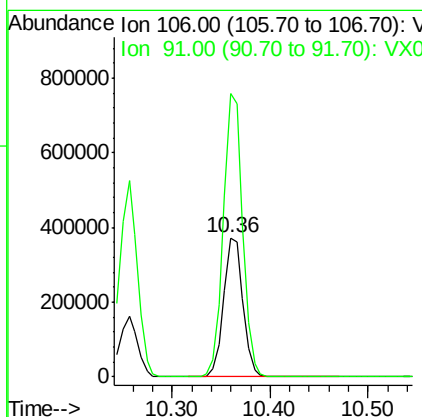
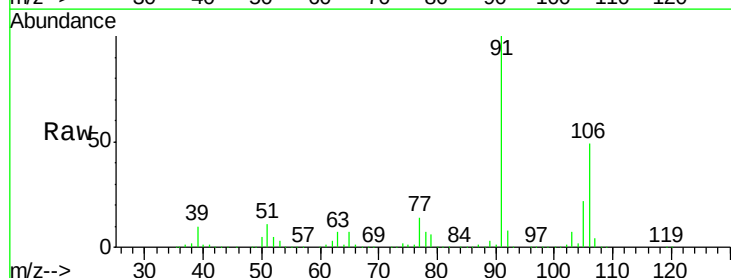
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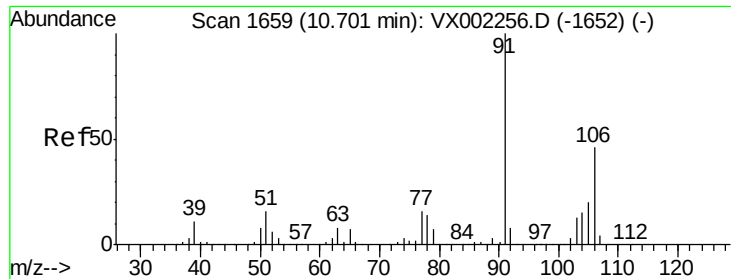
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#68
m/p-Xylenes
Concen: 95.892 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 106 Resp: 508140
Ion Ratio Lower Upper
106 100
91 204.0 163.4 245.2





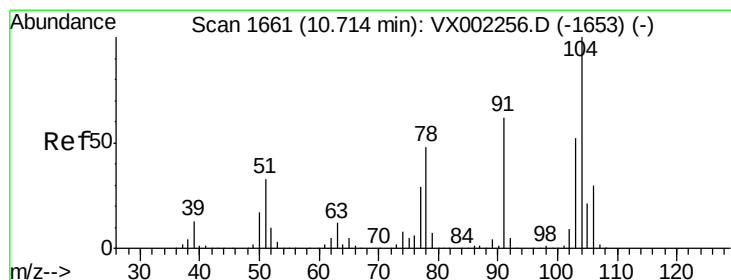
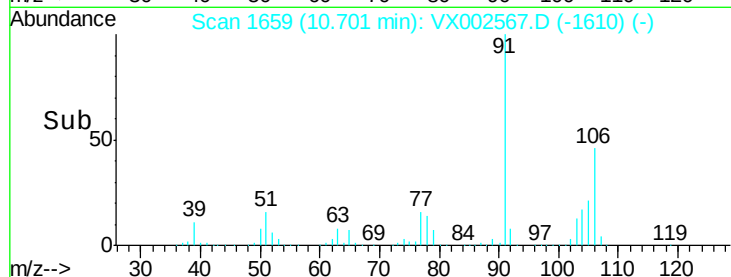
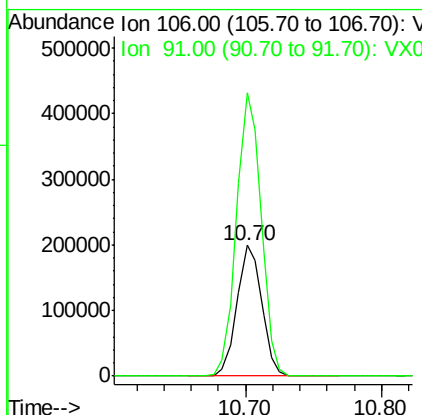
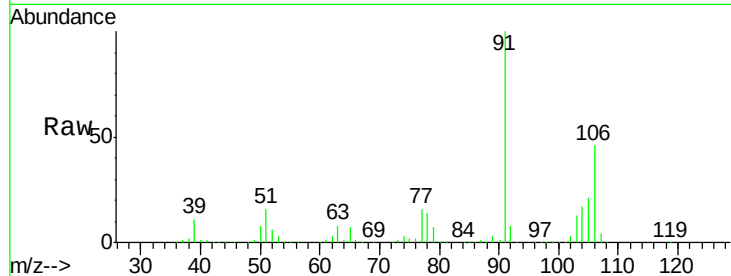
#69
o-Xylene
Concen: 48.036 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.4	108.2	324.6

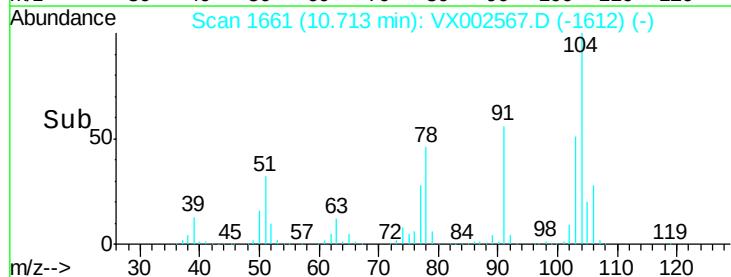
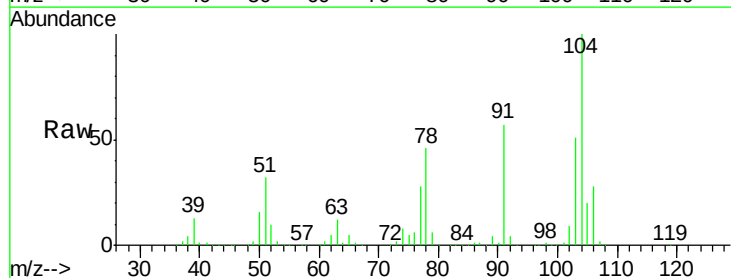
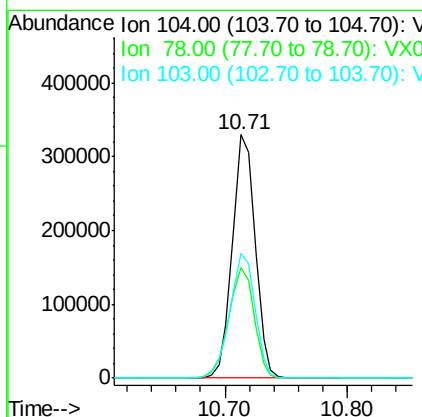
Manual Integrations
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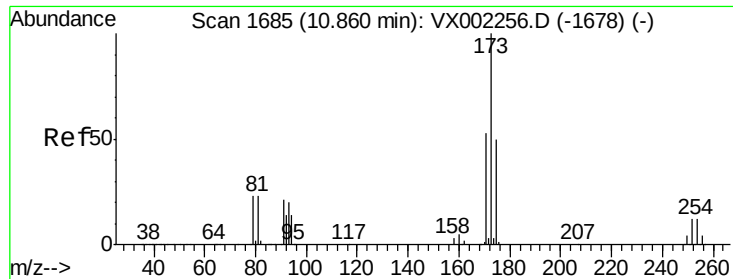
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#70
Styrene
Concen: 49.321 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.0	61.6
103	55.9	44.2	66.4





#71

Bromoform

Concen: 43.518 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 113680

Ion Ratio Lower Upper

173 100

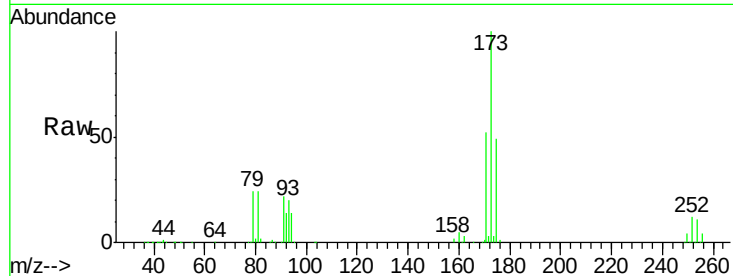
175 49.0 24.7 74.1

254 0.2 0.2 0.2

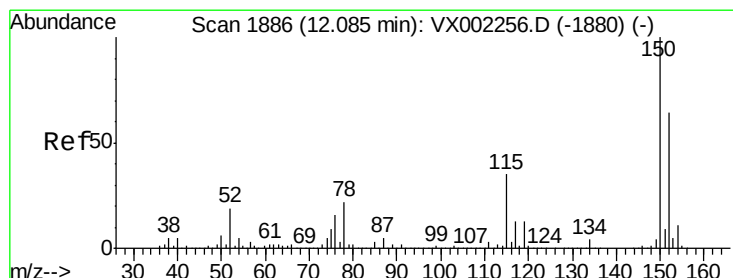
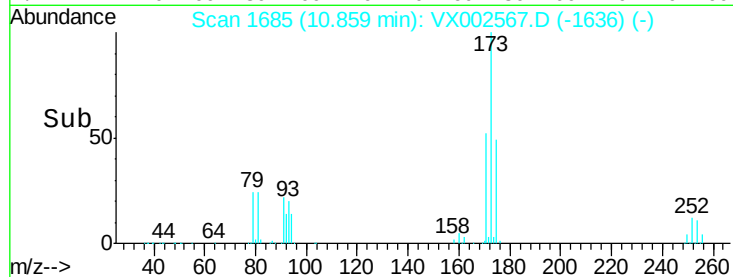
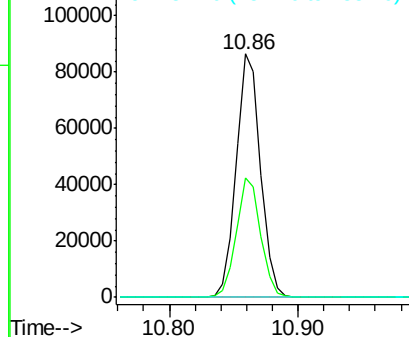
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

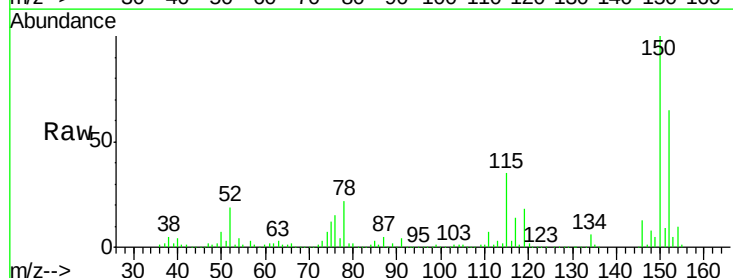
Tgt Ion:152 Resp: 210317

Ion Ratio Lower Upper

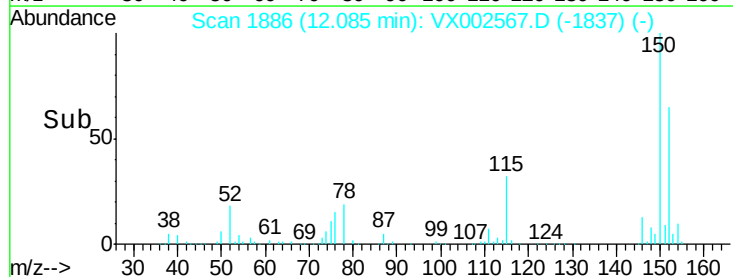
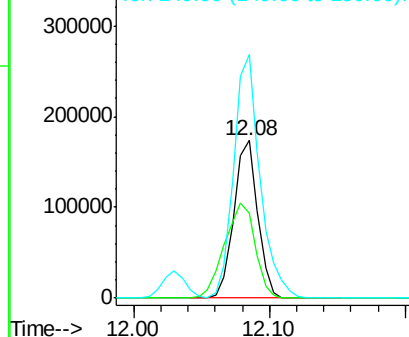
152 100

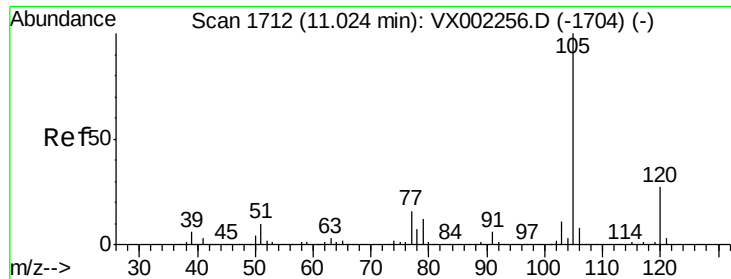
115 77.5 40.1 120.2

150 171.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 46.897 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 686136

Ion Ratio Lower Upper

105 100

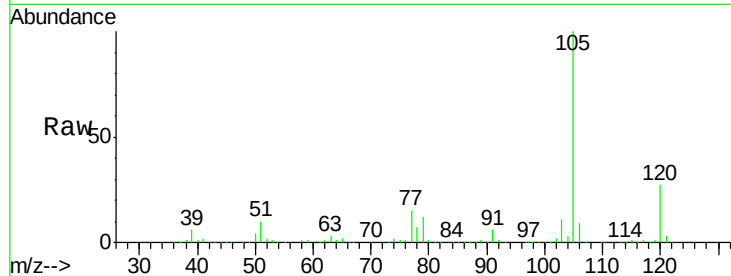
120 27.2 13.5 40.4

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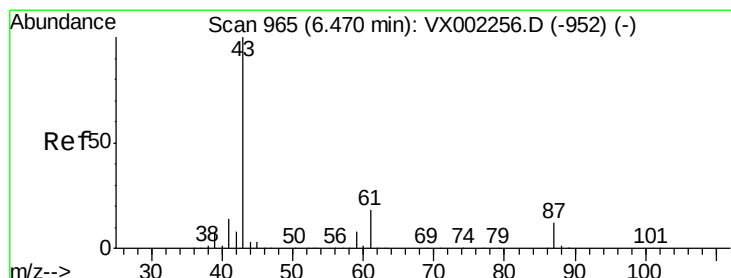
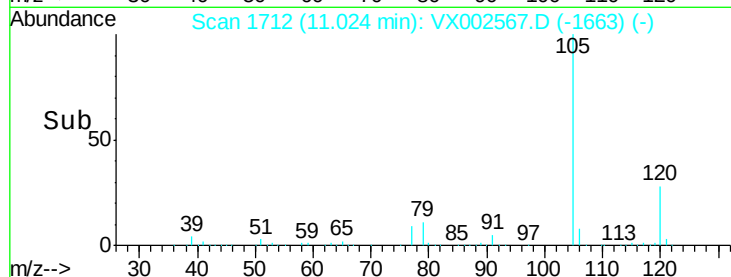
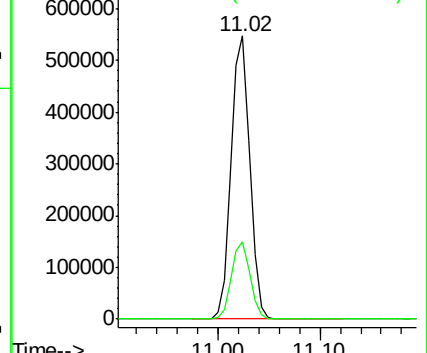
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.976 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Tgt Ion: 43 Resp: 346682

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

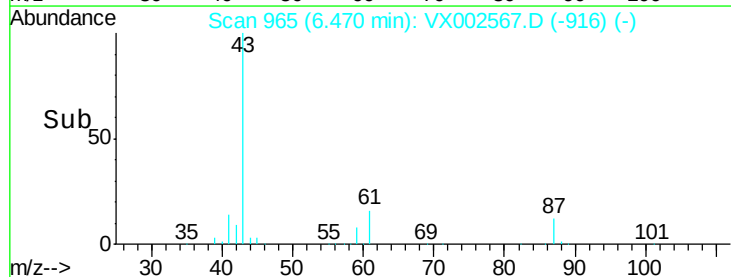
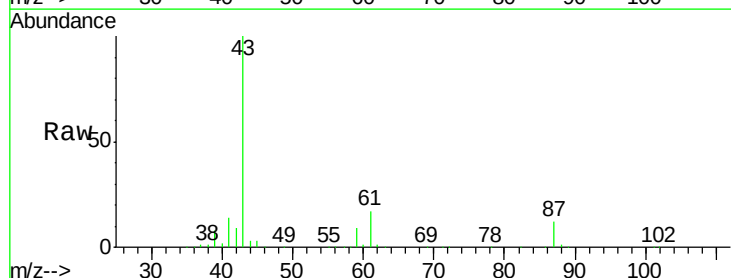
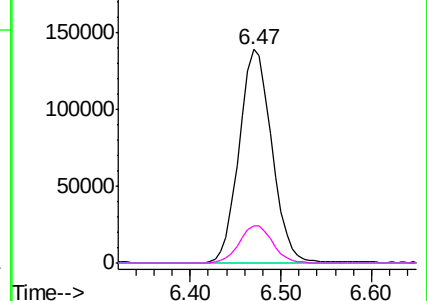
61 17.8 14.4 21.6

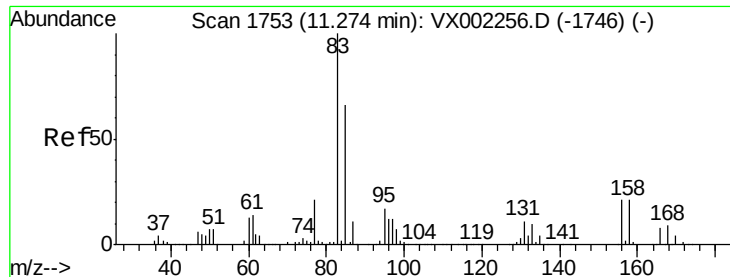
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.884 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 211138
Ion Ratio Lower Upper

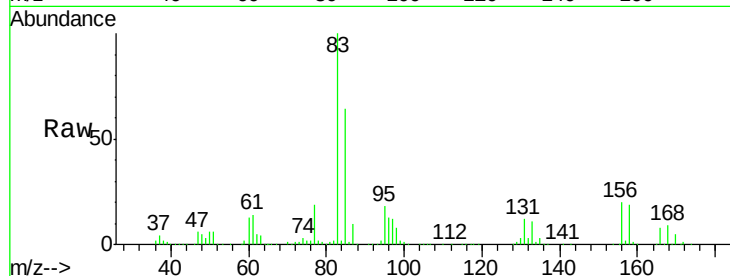
83 100

131 11.2 5.6 16.8

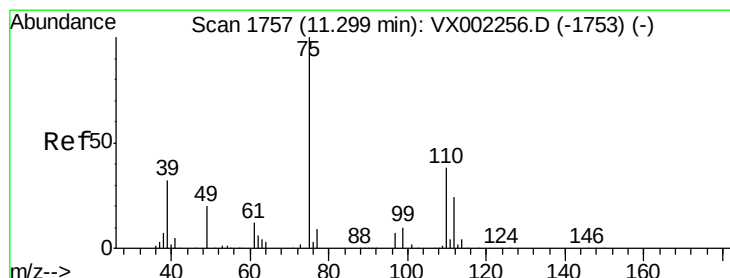
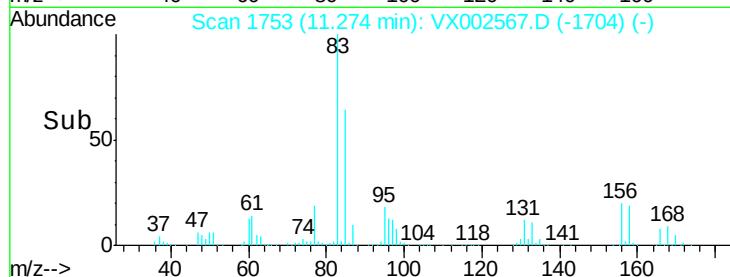
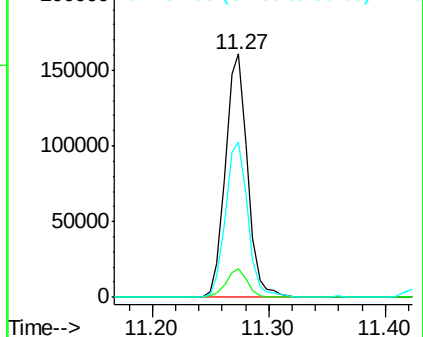
85 64.4 32.4 97.2

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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: 45.508 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

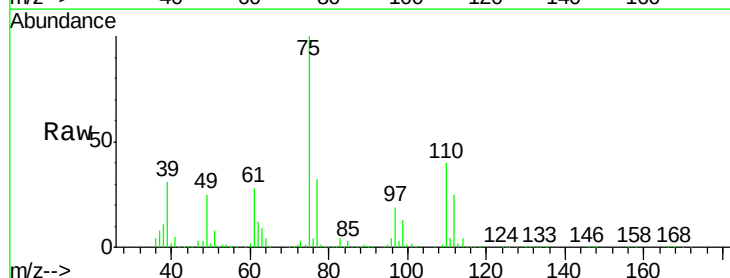
Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

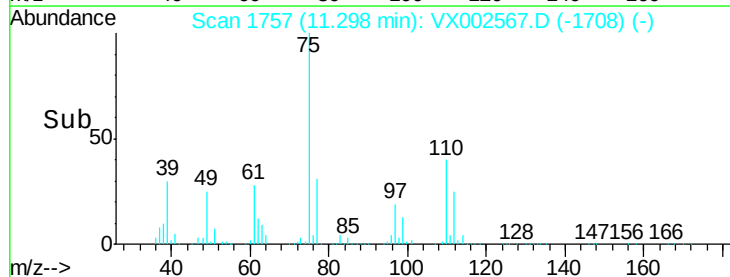
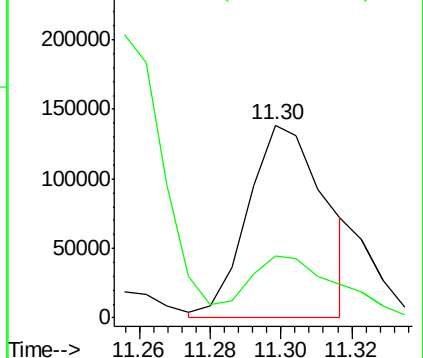
Tgt Ion: 75 Resp: 210014
Ion Ratio Lower Upper

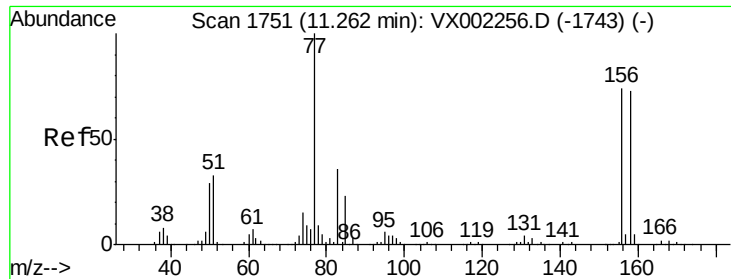
75 100

77 37.8 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: 46.717 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002567.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 191886

Ion Ratio Lower Upper

156 100

77 138.8 71.4 214.2

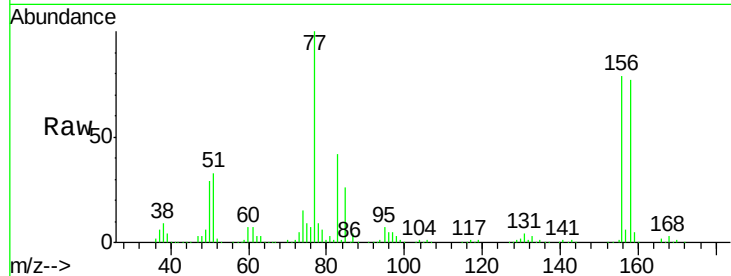
158 97.4 48.9 146.6

Manual Integrations

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MMDadoda

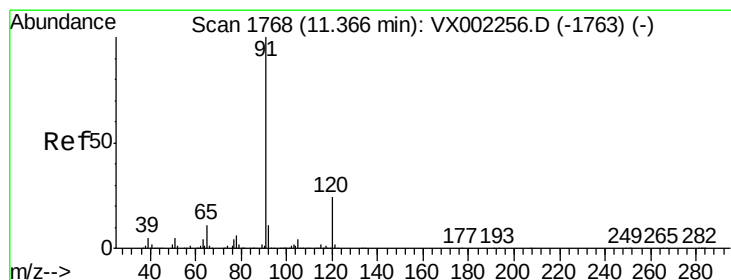
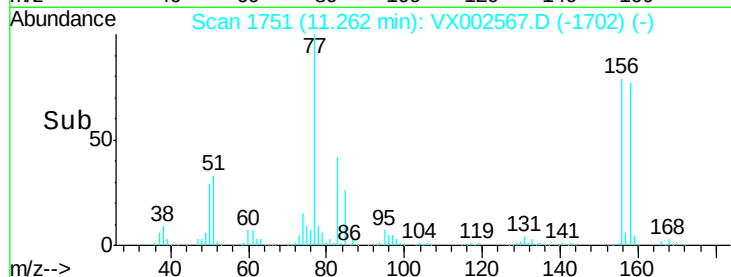
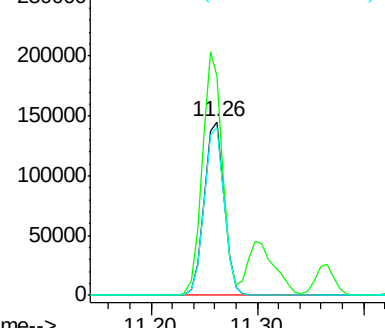
6/15/2018 1:11:55 PM



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: 48.071 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002567.D

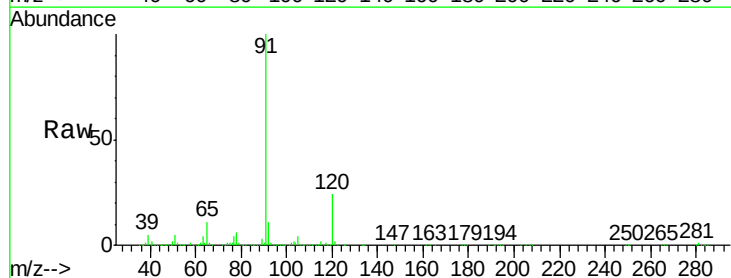
Acq: 14 Jun 2018 22:31

Tgt Ion: 91 Resp: 781714

Ion Ratio Lower Upper

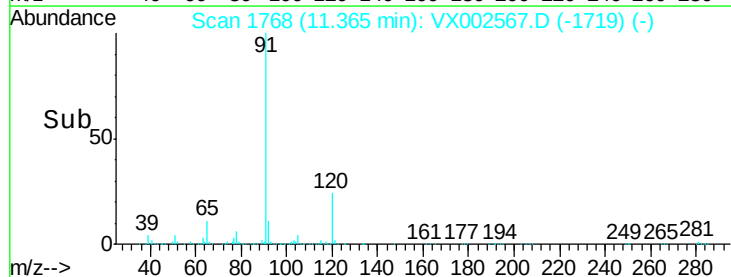
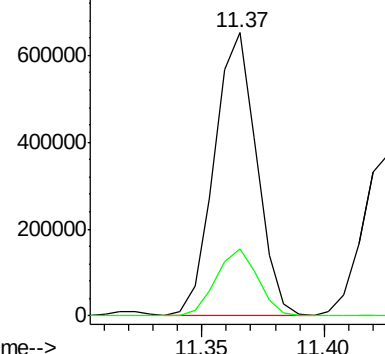
91 100

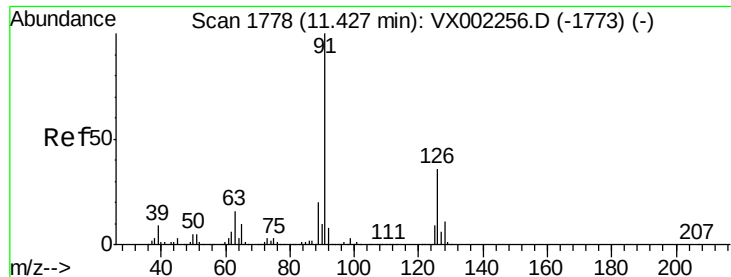
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





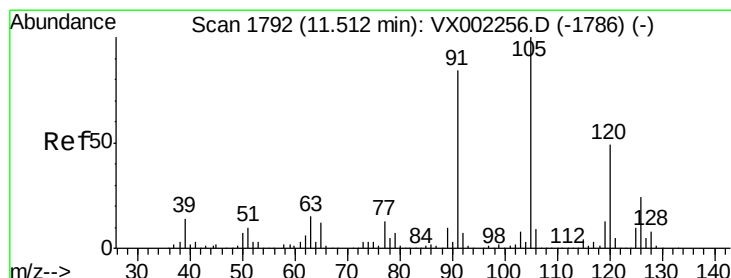
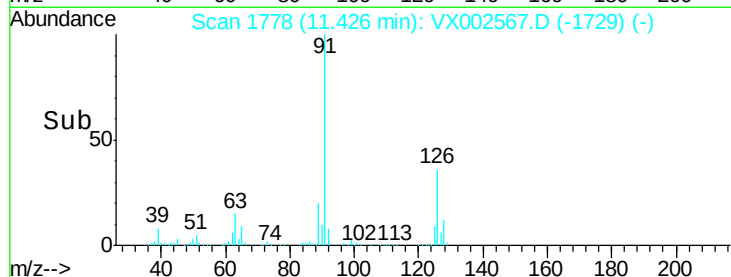
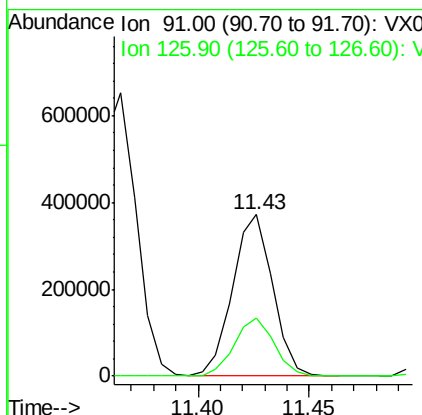
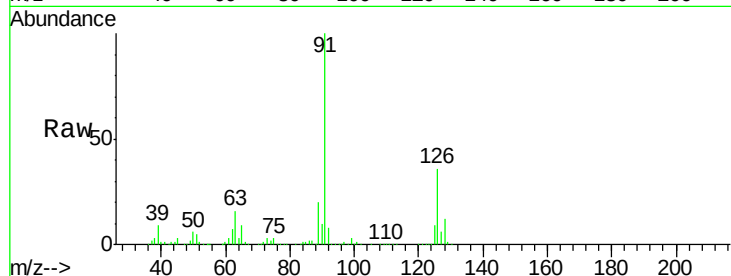
#79
2-Chlorotoluene
Concen: 45.279 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 464925
Ion Ratio Lower Upper
91 100
126 35.8 17.7 53.1

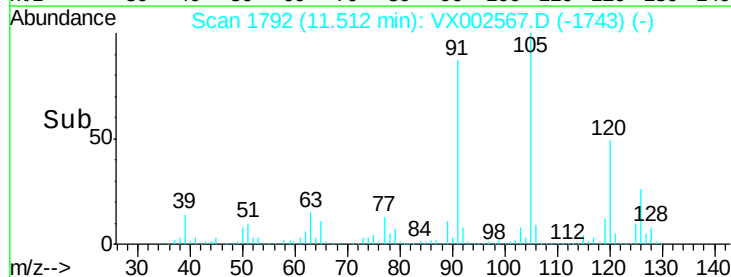
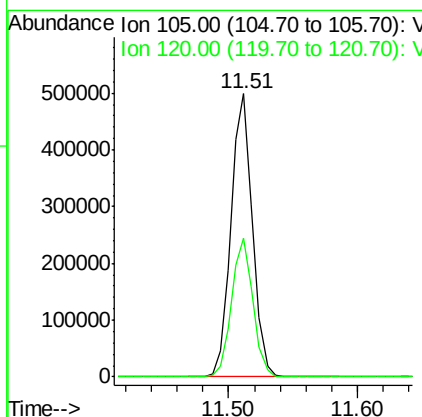
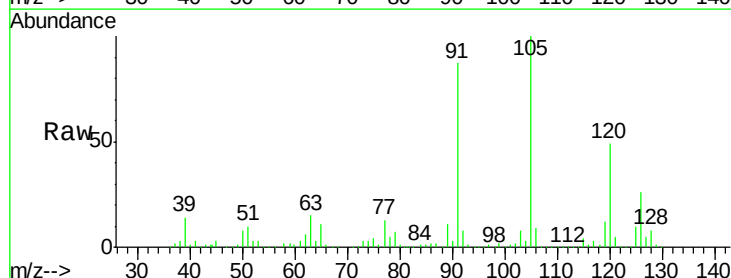
Manual Integrations
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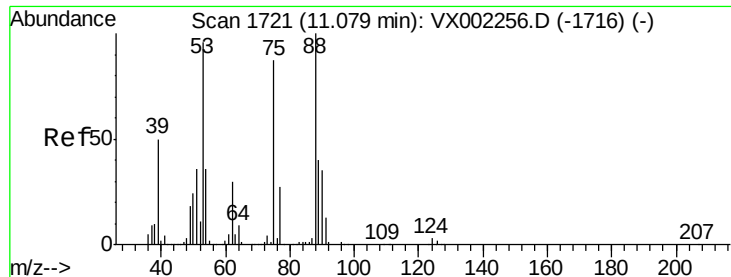
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 46.322 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 105 Resp: 581293
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.4





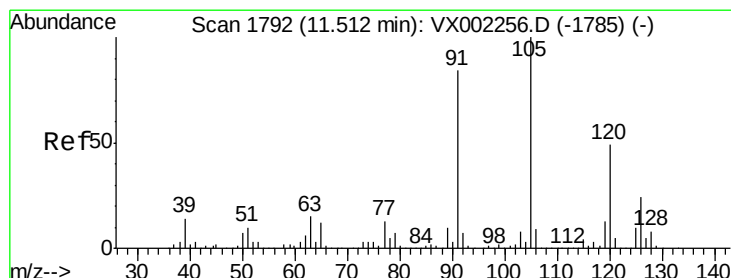
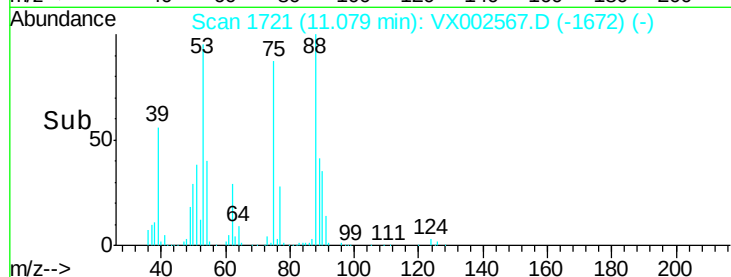
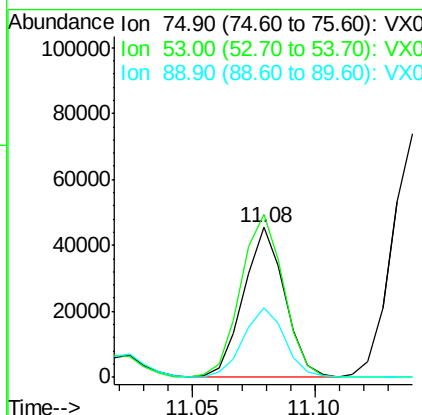
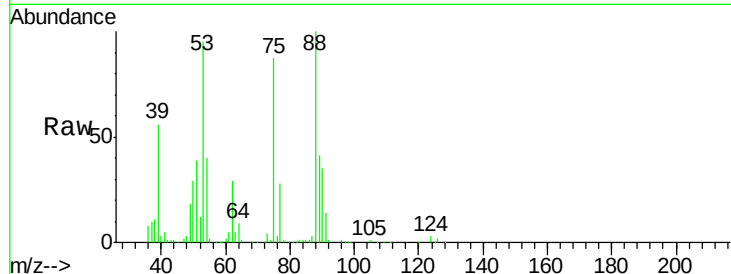
#81
trans-1,4-Dichloro-2-butene
Concen: 40.366 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 53143
Ion Ratio Lower Upper
75 100
53 112.9 86.8 130.2
89 47.2 38.2 57.2

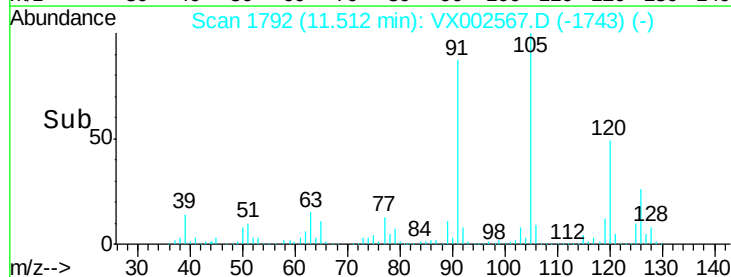
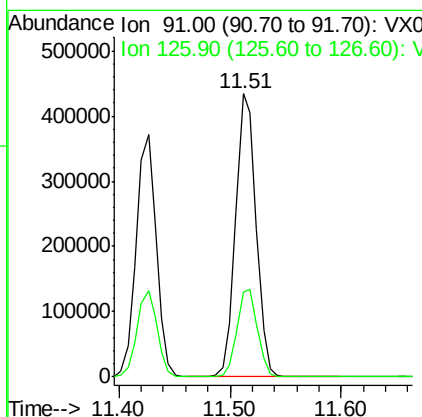
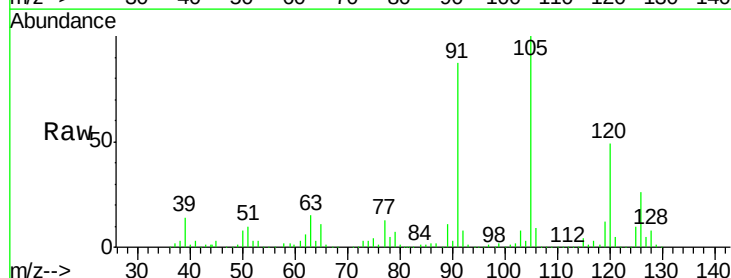
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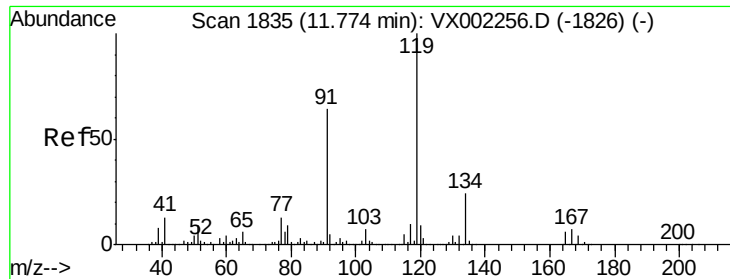
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6/15/2018 1:11:55 PM



#82
4-Chlorotoluene
Concen: 46.411 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 91 Resp: 550065
Ion Ratio Lower Upper
91 100
126 31.1 15.4 46.4





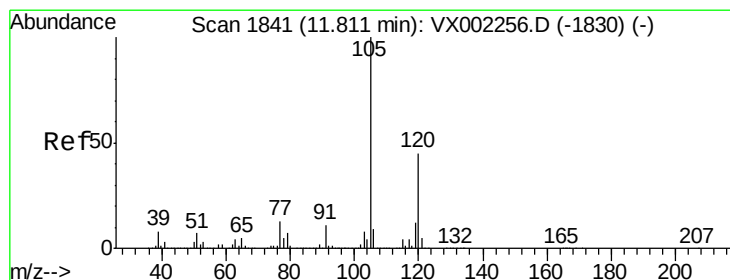
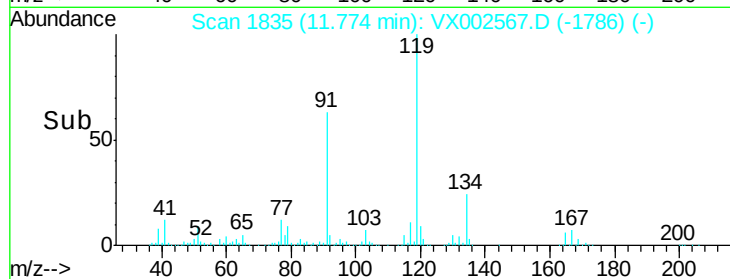
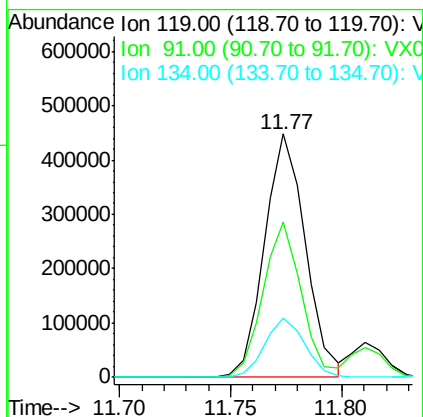
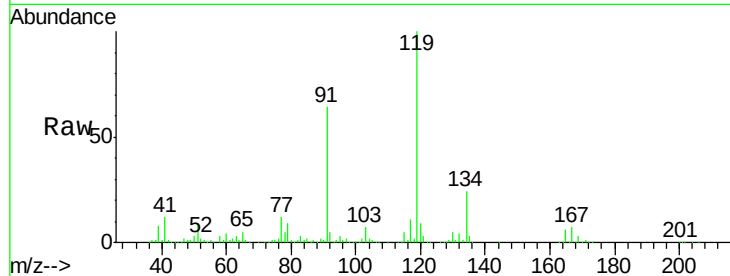
#83
 tert-Butylbenzene
 Concen: 46.656 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.3	90.9
134	24.0	11.7	35.1

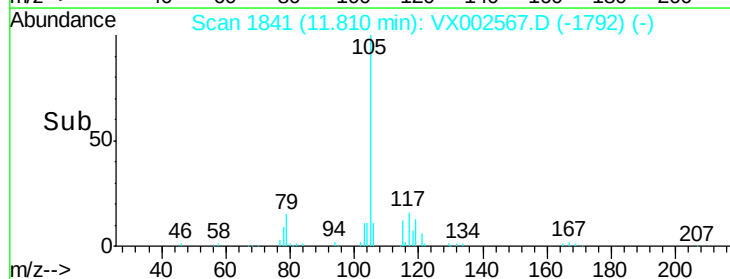
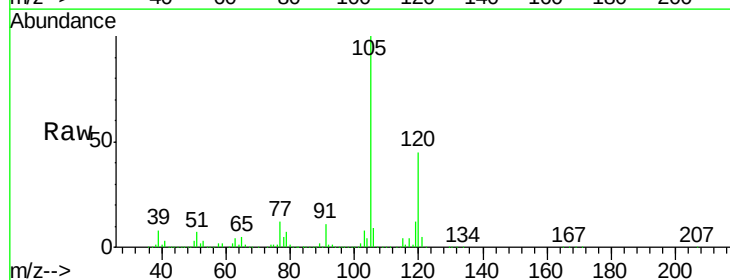
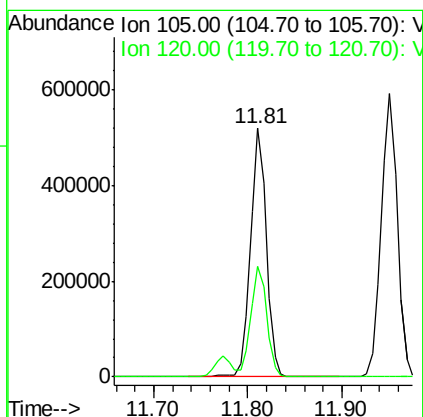
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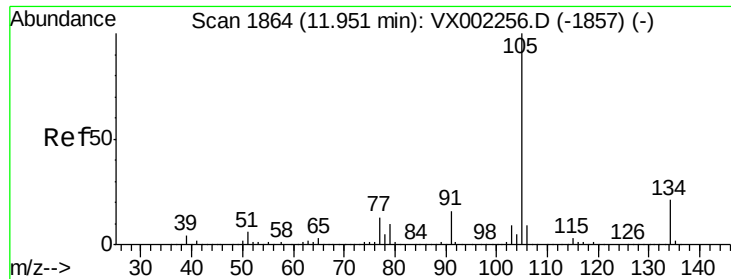
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.802 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





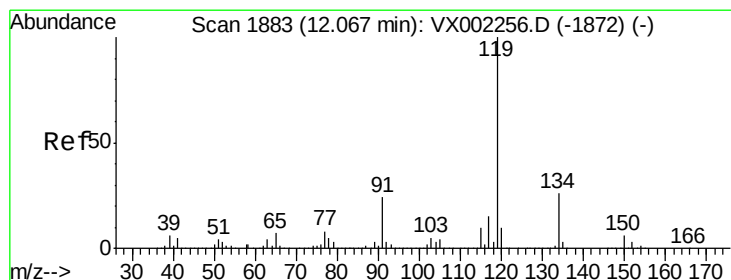
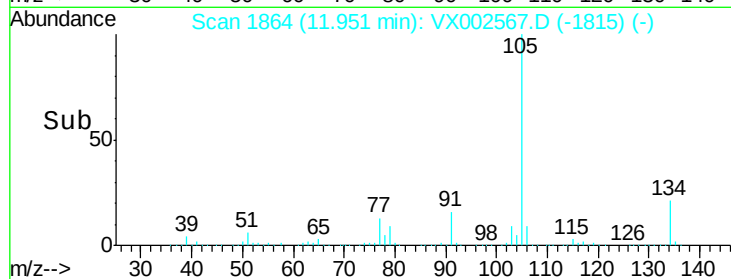
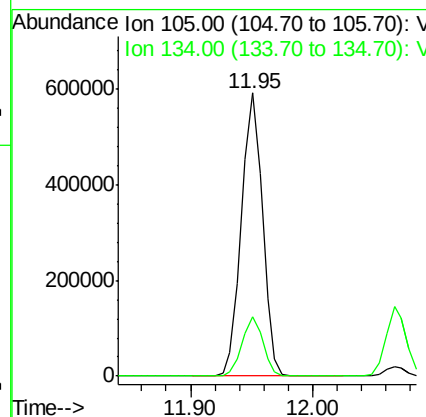
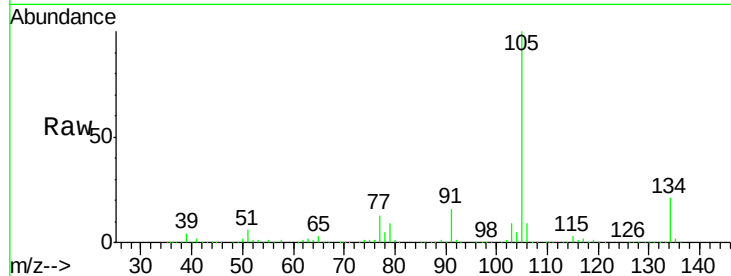
#85
 sec-Butylbenzene
 Concen: 49.076 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 703063
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

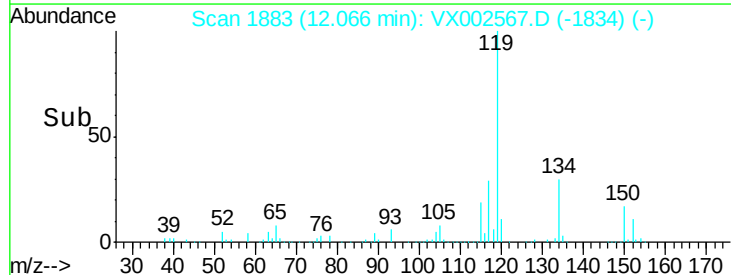
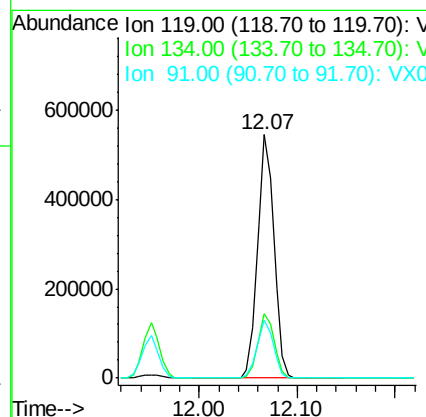
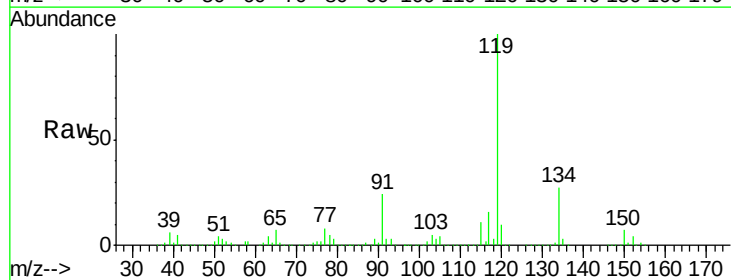
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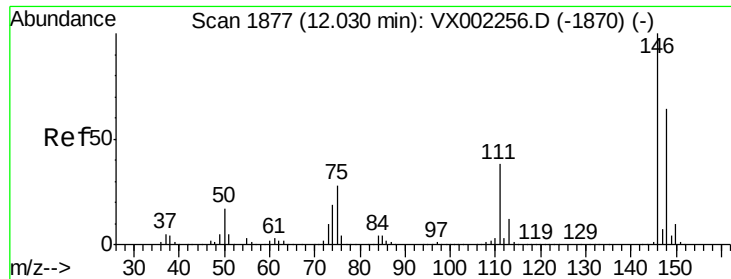
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#86
 p-Isopropyltoluene
 Concen: 48.649 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion:119 Resp: 634819
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 23.8 11.9 35.7





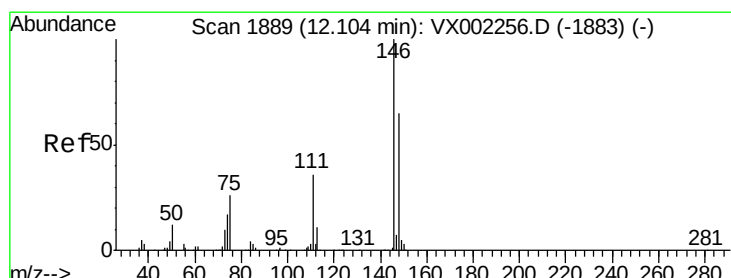
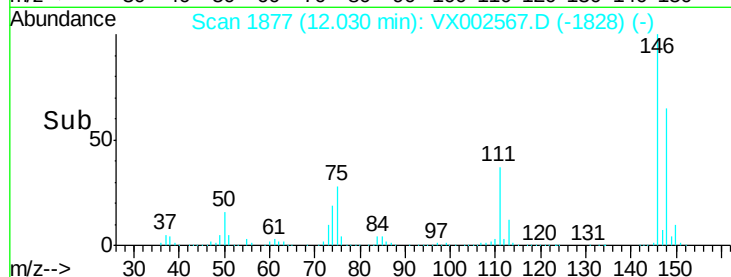
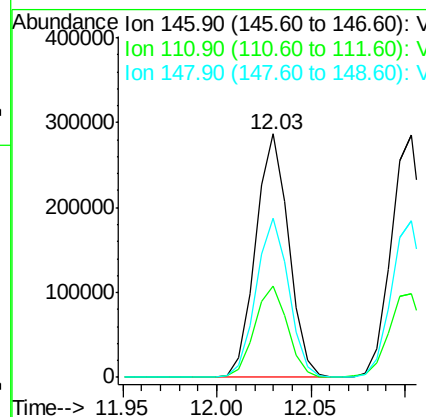
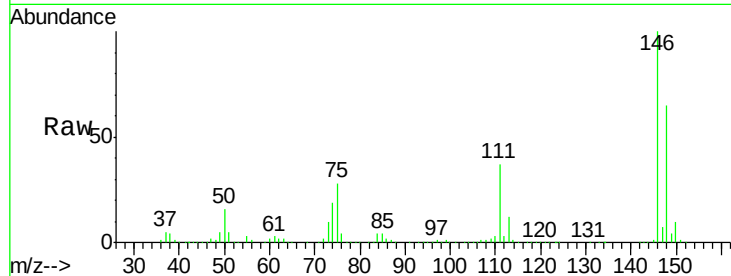
#87
 1,3-Dichlorobenzene
 Concen: 47.355 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.8	32.1	96.3

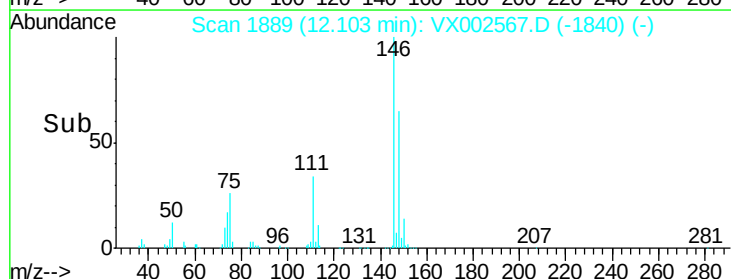
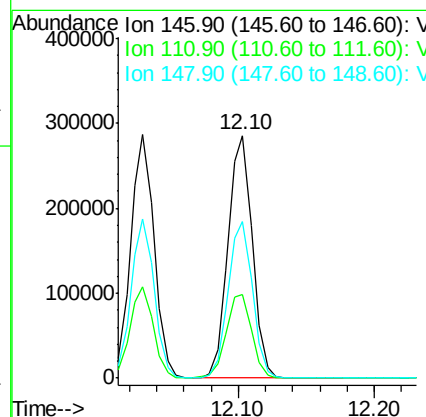
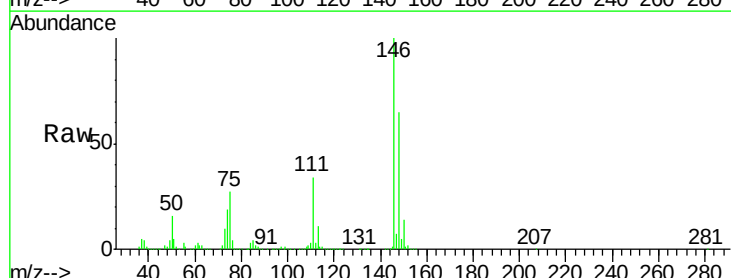
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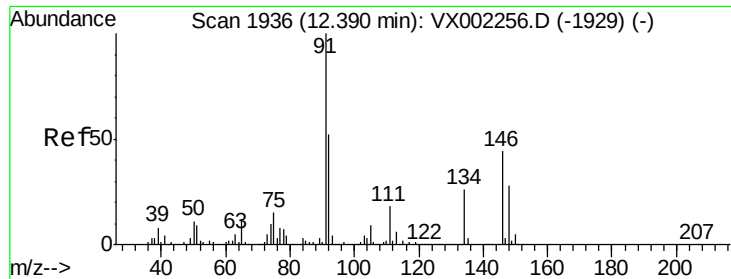
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#88
 1,4-Dichlorobenzene
 Concen: 46.790 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.7	32.4	97.0





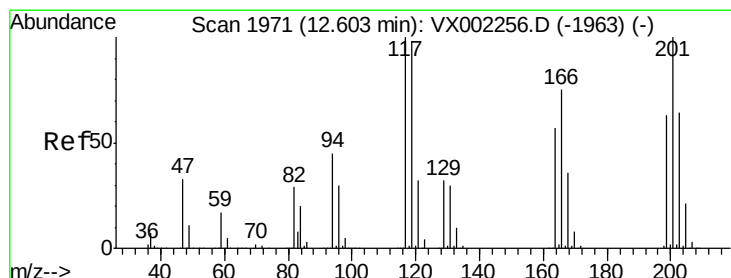
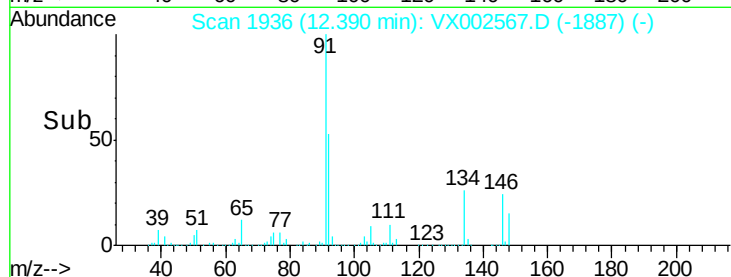
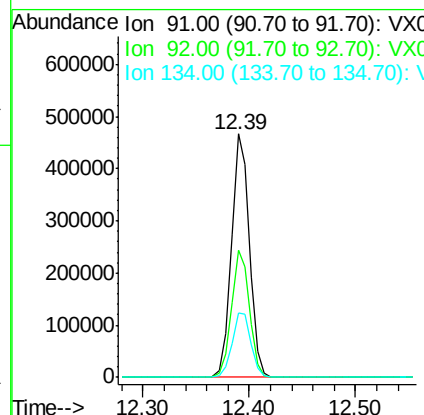
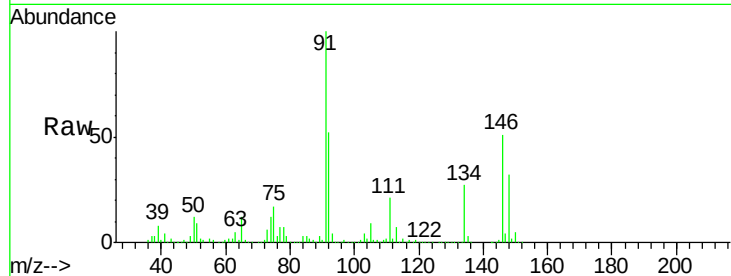
#89
n-Butylbenzene
Concen: 50.187 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	27.5	13.5	40.5

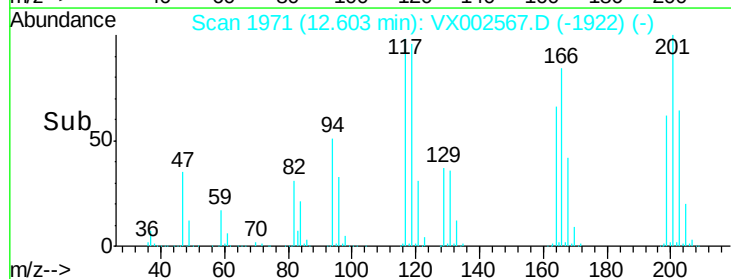
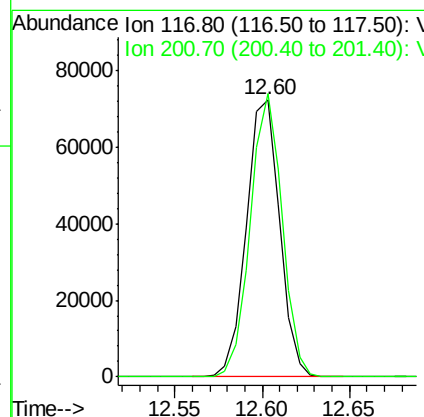
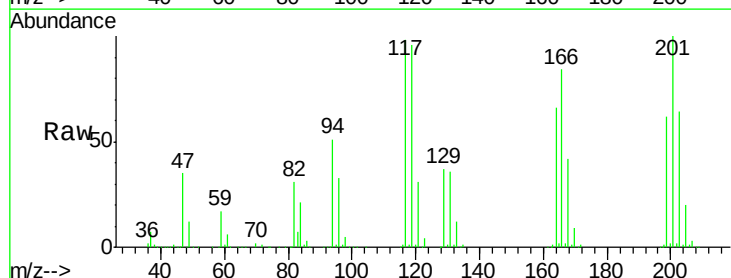
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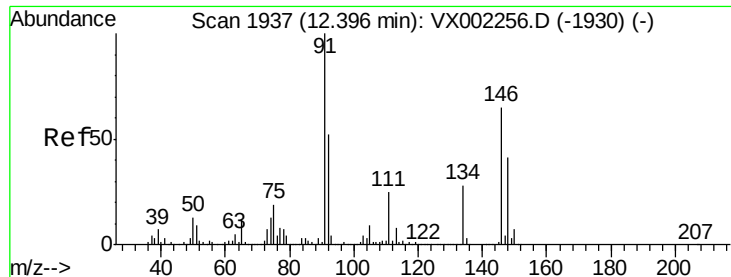
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#90
Hexachloroethane
Concen: 45.993 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	49.0	147.0





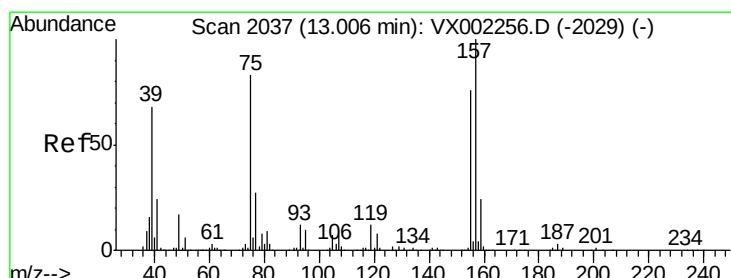
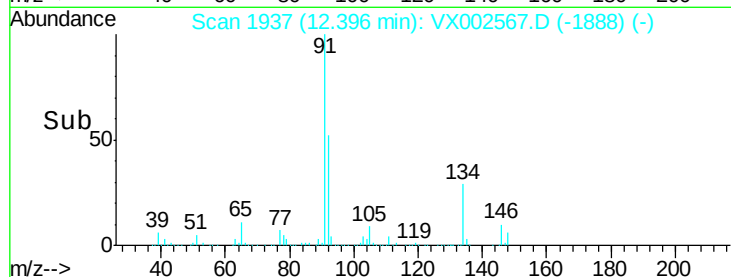
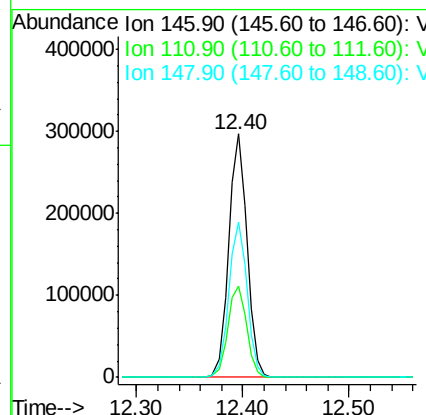
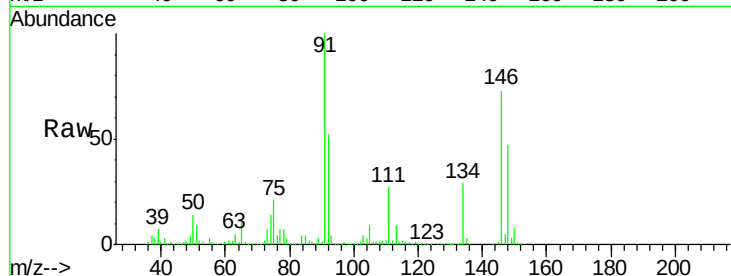
#91
 1,2-Dichlorobenzene
 Concen: 47.066 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	357636		
111	38.3	19.4	58.1	
148	63.7	31.7	95.1	

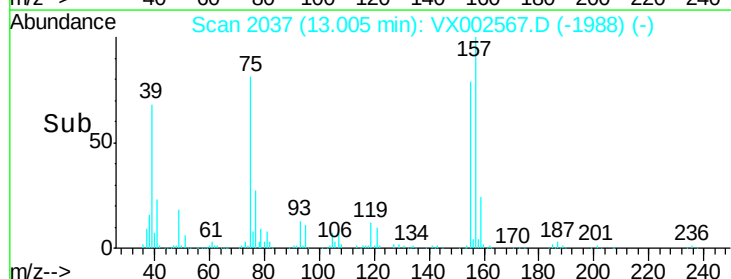
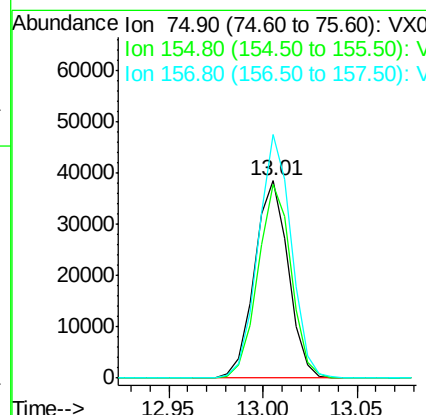
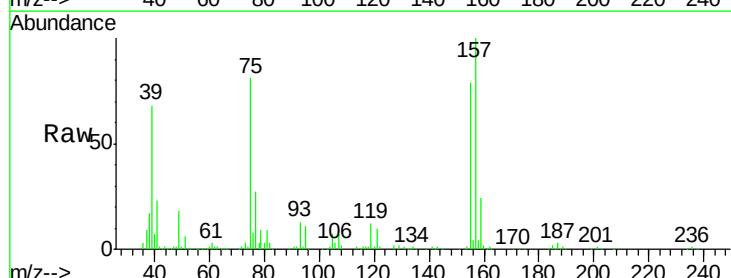
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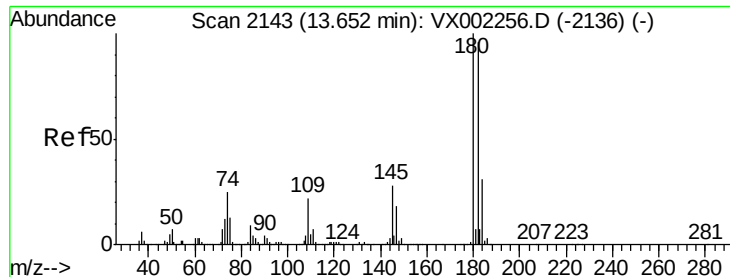
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.365 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47662		
155	96.3	45.8	137.4	
157	121.2	60.1	180.3	





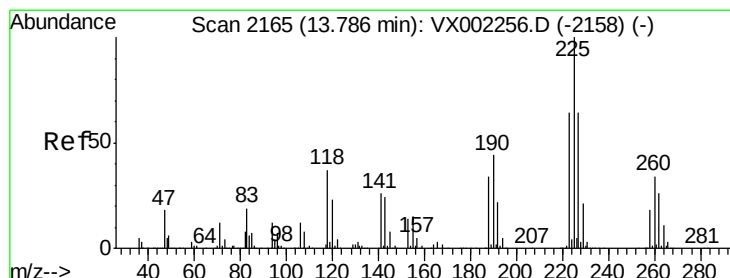
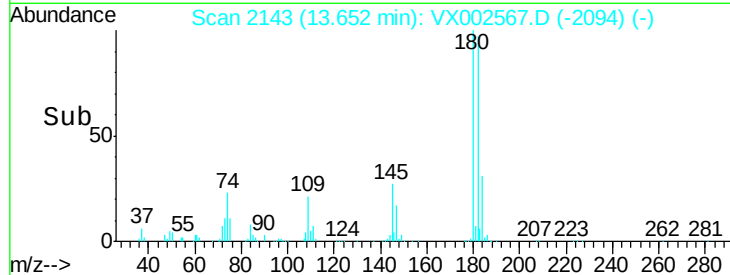
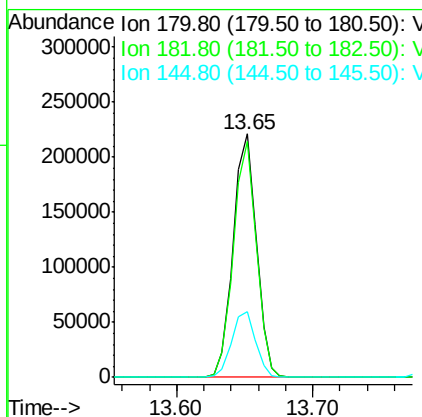
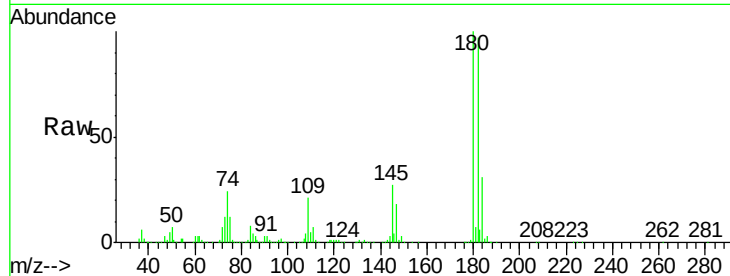
#93
 1,2,4-Trichlorobenzene
 Concen: 49.458 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263515		
182	96.1	47.7	143.1	
145	27.9	14.1	42.4	

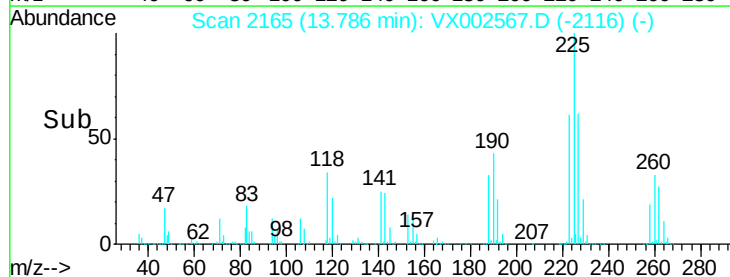
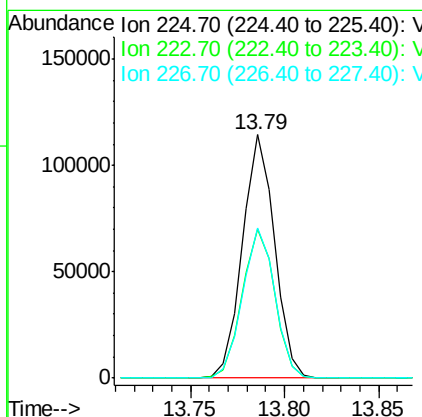
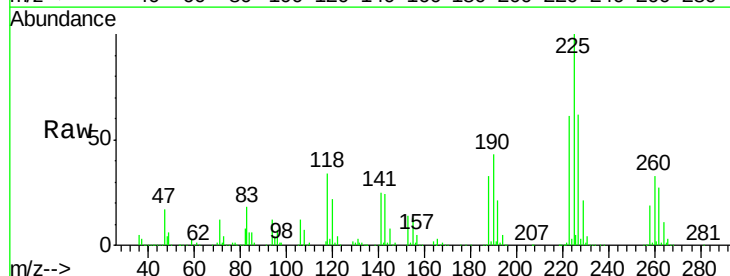
Manual Integrations
 APPROVED

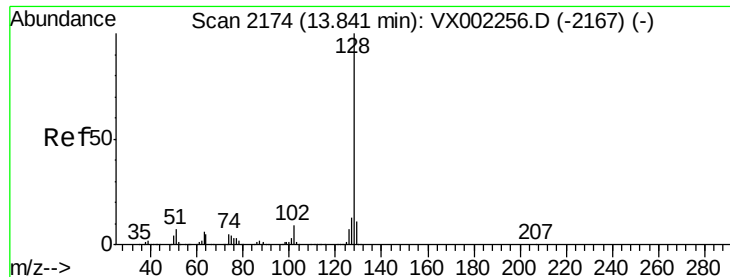
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 51.344 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002567.D
 Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135182		
223	62.2	31.6	95.0	
227	62.3	32.4	97.2	





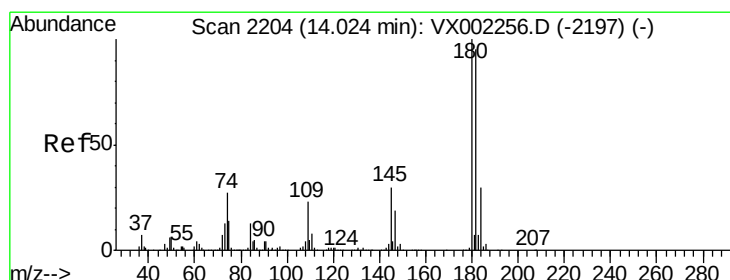
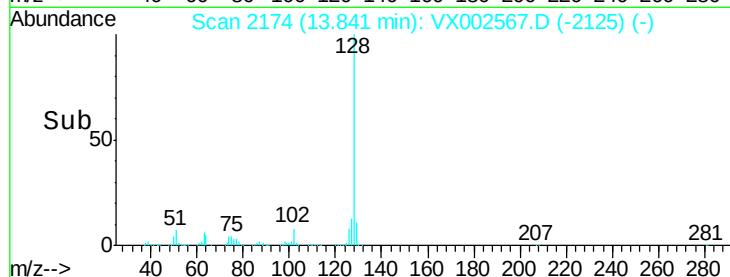
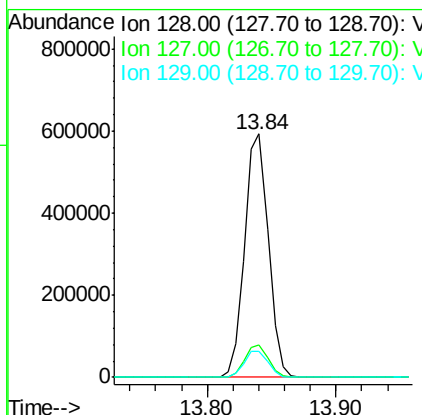
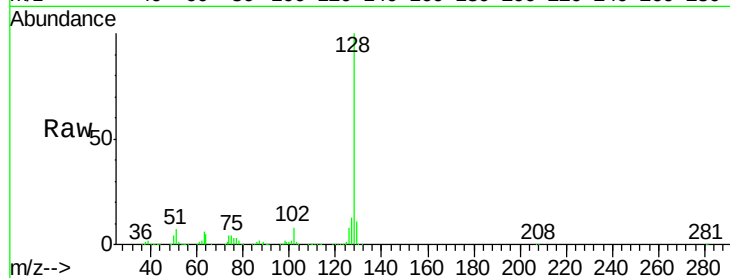
#95
Naphthalene
Concen: 48.937 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 49.510 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002567.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	29.8	14.8	44.3

