

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058129.D
 Acq On : 14 Jun 2018 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/15/2018 10:29:23 AM

Quant Time: Jun 15 06:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	884608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1109323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	905890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	466004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	397756	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	5.56	113	411753	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.71	98	949456	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
62) 4-Bromofluorobenzene	11.93	95	410594	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	520903	43.874	ug/l	98
3) Chloromethane	1.49	50	243848	41.703	ug/l	98
4) Vinyl Chloride	1.56	62	257637	45.519	ug/l	97
5) Bromomethane	1.80	94	114881	51.788	ug/l	94
6) Chloroethane	1.89	64	118988	53.284	ug/l	100
7) Trichlorofluoromethane	2.10	101	404391	52.268	ug/l	99
8) Diethyl Ether	2.35	74	72169	50.212	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	244473	52.975	ug/l	94
10) Methyl Iodide	2.70	142	294336	49.429	ug/l	94
11) Tert butyl alcohol	3.27	59	66317m	279.918	ug/l	
12) 1,1-Dichloroethene	2.55	96	177190	49.943	ug/l	92
13) Acrolein	2.47	56	81383	239.859	ug/l	88
14) Allyl chloride	2.93	41	387691	47.370	ug/l	95
15) Acrylonitrile	3.37	53	323625	233.497	ug/l	95
16) Acetone	2.62	43	363772	285.498	ug/l	99
17) Carbon Disulfide	2.77	76	592018	46.062	ug/l	98
18) Methyl Acetate	2.95	43	116409	47.228	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	823194	52.731	ug/l	99
20) Methylene Chloride	3.07	84	175285	50.758	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	399016	50.494	ug/l	90
22) Diisopropyl ether	4.08	45	1527871	47.123	ug/l	96
23) Vinyl Acetate	4.03	43	4114871	245.627	ug/l	99
24) 1,1-Dichloroethane	3.98	63	867224	48.667	ug/l	100
25) 2-Butanone	4.85	43	686182	236.966	ug/l	94
26) 2,2-Dichloropropane	4.81	77	756949	51.566	ug/l	95
27) cis-1,2-Dichloroethene	4.82	96	461307	49.221	ug/l	94
28) Bromochloromethane	5.15	49	395300	51.254	ug/l	96
29) Tetrahydrofuran	5.19	42	350056	230.612	ug/l	96
30) Chloroform	5.33	83	903460	50.377	ug/l	99
31) Cyclohexane	5.60	56	662525	43.082	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	741277	49.366	ug/l	97
36) 1,1-Dichloropropene	5.75	75	638633	52.254	ug/l	98
37) Ethyl Acetate	4.93	43	339282	50.876	ug/l	98
38) Carbon Tetrachloride	5.73	117	646210	53.649	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	637519	52.620	ug/l	92
40) Benzene	6.02	78	1490441	52.203	ug/l	99
41) Methacrylonitrile	5.13	41	169060	55.443	ug/l	93
42) 1,2-Dichloroethane	6.13	62	605690	52.470	ug/l	99
43) Isopropyl Acetate	7.62	43	449162	51.420	ug/l	93
44) Trichloroethene	6.99	130	457260	54.830	ug/l	97
45) 1,2-Dichloropropane	7.36	63	415519	52.364	ug/l	96
46) Dibromomethane	7.46	93	273261	53.606	ug/l	96
47) Bromodichloromethane	7.75	83	654195	54.811	ug/l	97
48) Methyl methacrylate	7.51	41	272193	50.628	ug/l	98
49) 1,4-Dioxane	7.49	88	47227	1060.350	ug/l	95
51) 4-Methyl-2-Pentanone	8.61	43	1415124	252.576	ug/l	97
52) Toluene	8.81	92	803783	49.054	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	551259	53.609	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	632141	52.180	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	287902	54.290	ug/l	98
56) Ethyl methacrylate	9.32	69	356777	54.846	ug/l	96
57) 1,3-Dichloropropane	9.67	76	506544	54.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859255	261.447	ug/l	97
59) 2-Hexanone	9.80	43	1093300	266.274	ug/l	100
60) Dibromochloromethane	9.96	129	399957	53.484	ug/l	97
61) 1,2-Dibromoethane	10.10	107	316913	51.965	ug/l	92
64) Tetrachloroethene	9.52	164	426225	52.629	ug/l	98
65) Chlorobenzene	10.73	112	934985	50.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	359693	51.050	ug/l	96
67) Ethyl Benzene	10.86	91	1627777	49.130	ug/l	98
68) m/p-Xylenes	11.02	106	1049875	97.202	ug/l	99
69) o-Xylene	11.41	106	523383	48.818	ug/l	96
70) Styrene	11.44	104	891341	50.221	ug/l	99
71) Bromoform	11.61	173	286174	53.991	ug/l	98
73) Isopropylbenzene	11.78	105	1534122	49.703	ug/l	100
74) N-amyl acetate	11.65	43	577181	48.461	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	343556	51.052	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	380354	54.336	ug/l	99
77) Bromobenzene	12.04	156	456299	49.943	ug/l	96
78) n-propylbenzene	12.16	91	1963646	48.890	ug/l	100
79) 2-Chlorotoluene	12.22	91	1137225	49.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	1181906	49.101	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	95618	55.149	ug/l	95
82) 4-Chlorotoluene	12.33	91	1216346	54.896	ug/l	99
83) tert-Butylbenzene	12.58	119	1375820	50.619	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1286335	49.701	ug/l	99
85) sec-Butylbenzene	12.76	105	1598312	48.726	ug/l	99
86) p-Isopropyltoluene	12.89	119	1305558	49.382	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	782049	50.602	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	759709	50.452	ug/l	94
89) n-Butylbenzene	13.20	91	1282211	54.208	ug/l	97
90) Hexachloroethane	13.40	117	357510	52.981	ug/l	63
91) 1,2-Dichlorobenzene	13.19	146	596810	47.784	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	55412	53.353	ug/l	87

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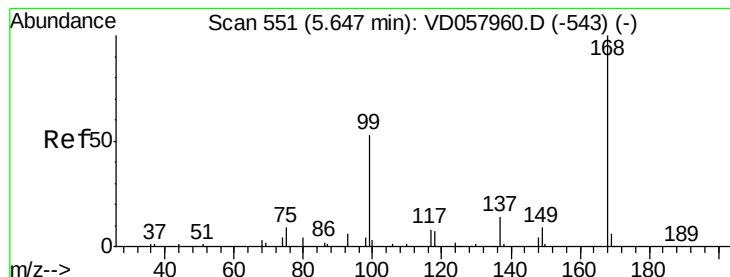
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	638048	54.681	ug/l	99
94) Hexachlorobutadiene	14.44	225	482754	52.598	ug/l	96
95) Naphthalene	14.52	128	803901	53.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	540516	54.355	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 884608

Ion Ratio Lower Upper

168 100

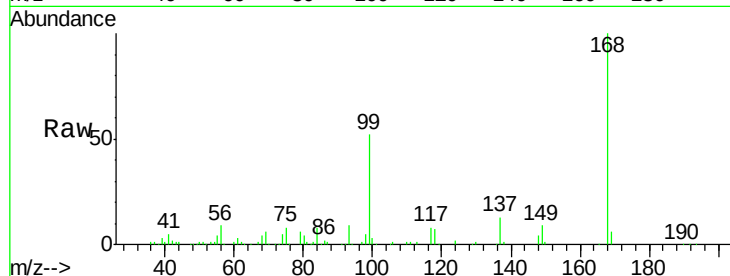
99 52.1 46.8 70.2

Manual Integrations

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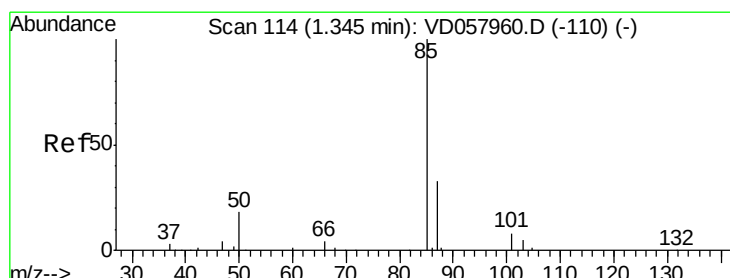
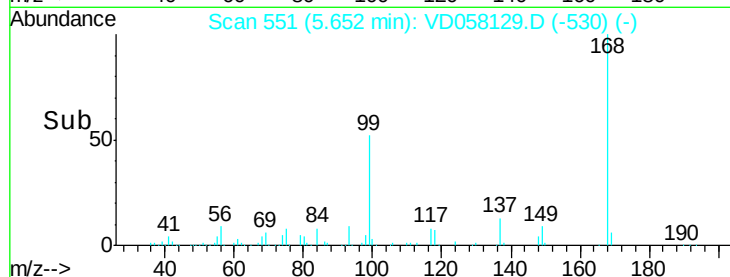
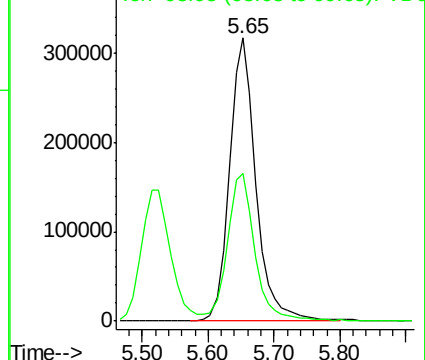
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.874 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058129.D

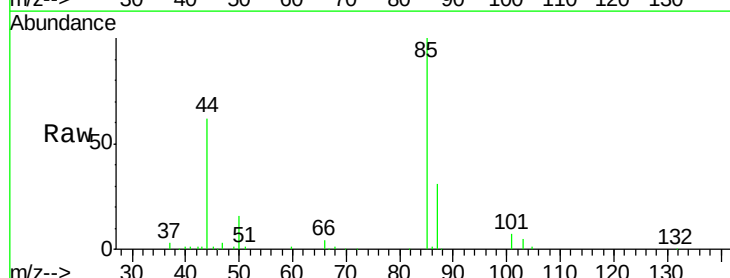
Acq: 14 Jun 2018 11:49

Tgt Ion: 85 Resp: 520903

Ion Ratio Lower Upper

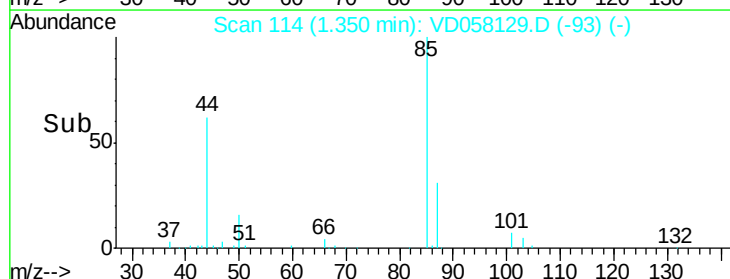
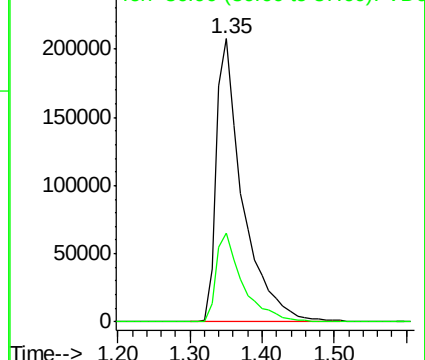
85 100

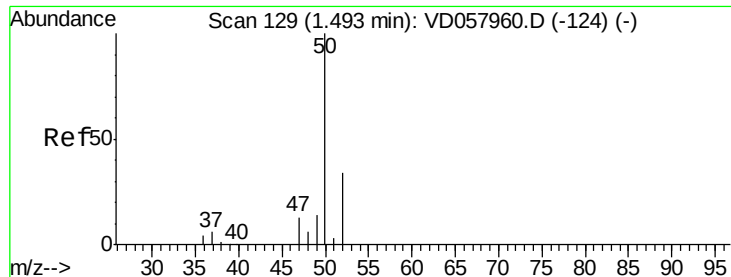
87 31.4 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.703 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 243848

Ion Ratio Lower Upper

50 100

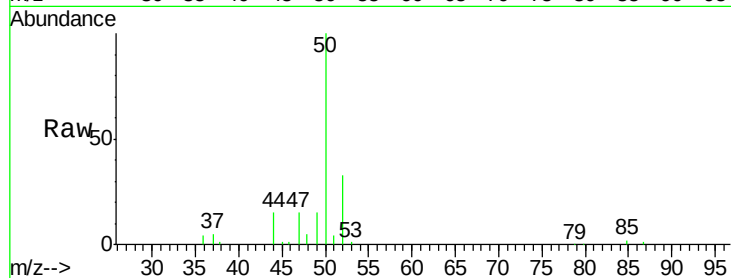
52 32.8 27.2 40.8

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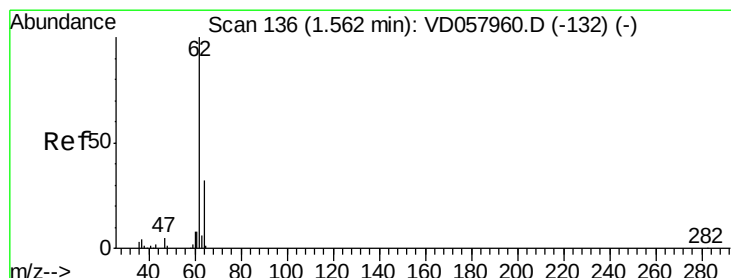
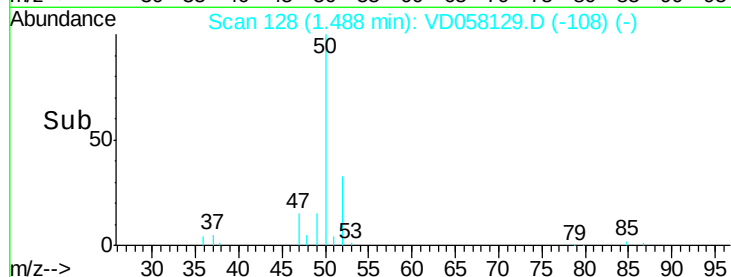
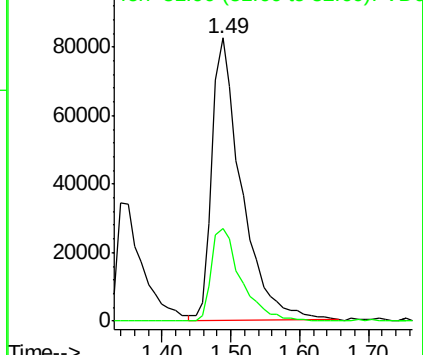
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.519 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058129.D

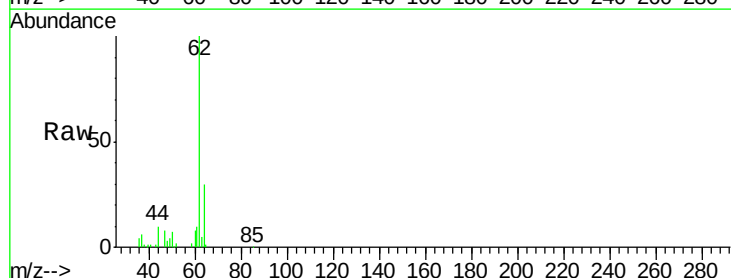
Acq: 14 Jun 2018 11:49

Tgt Ion: 62 Resp: 257637

Ion Ratio Lower Upper

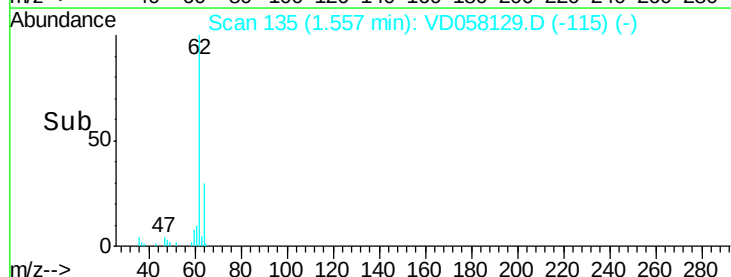
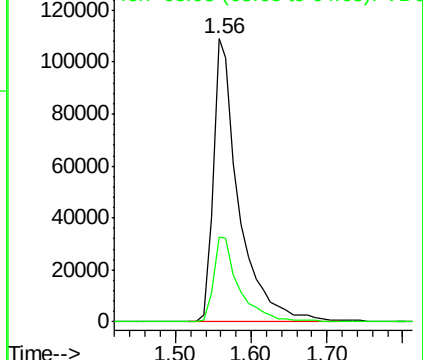
62 100

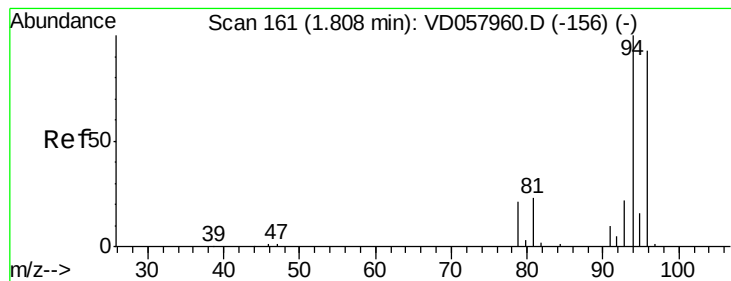
64 29.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.788 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 114881

Ion Ratio Lower Upper

94 100

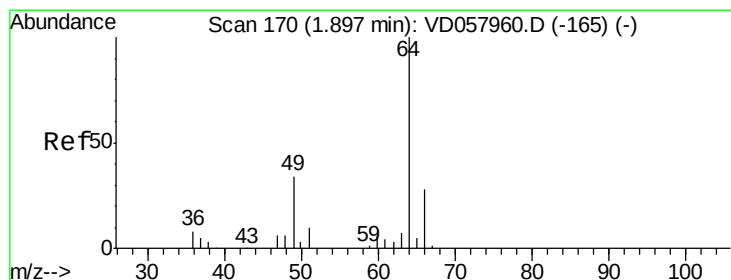
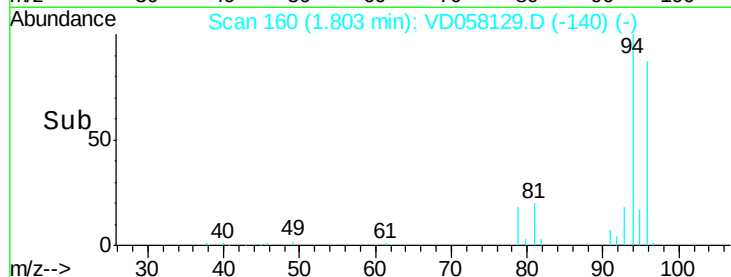
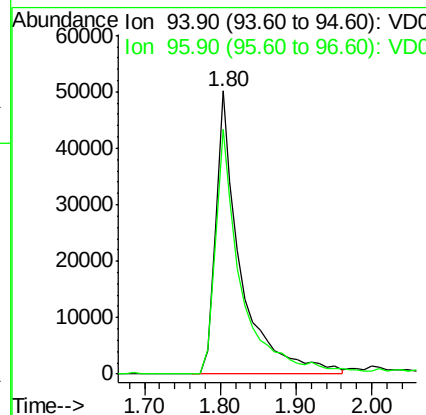
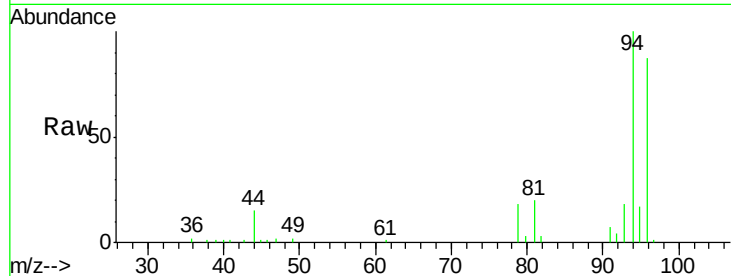
96 86.7 74.3 111.5

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6/15/2018 10:29:23 AM



#6

Chloroethane

Concen: 53.284 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD058129.D

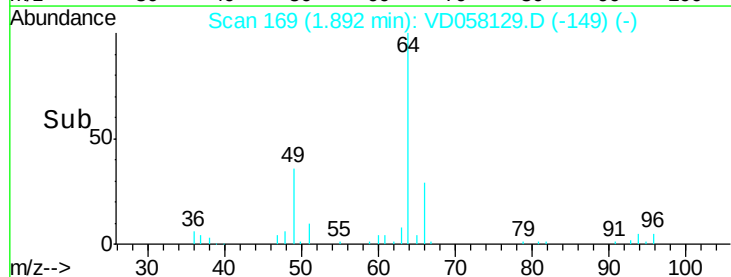
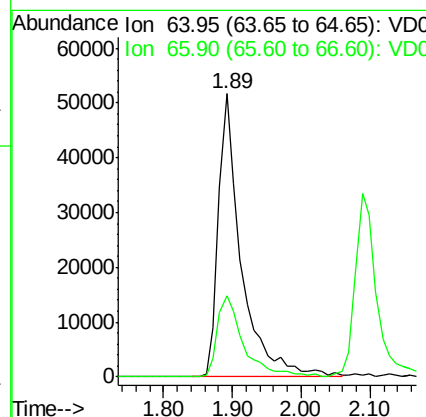
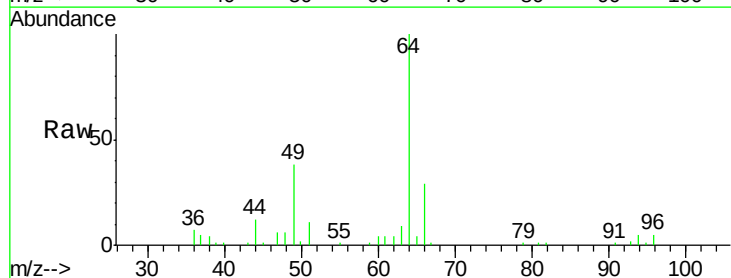
Acq: 14 Jun 2018 11:49

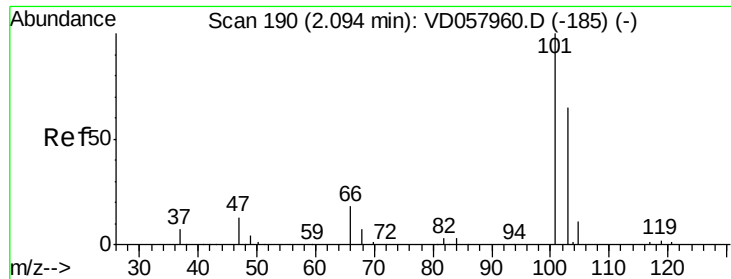
Tgt Ion: 64 Resp: 118988

Ion Ratio Lower Upper

64 100

66 28.6 22.8 34.2





#7

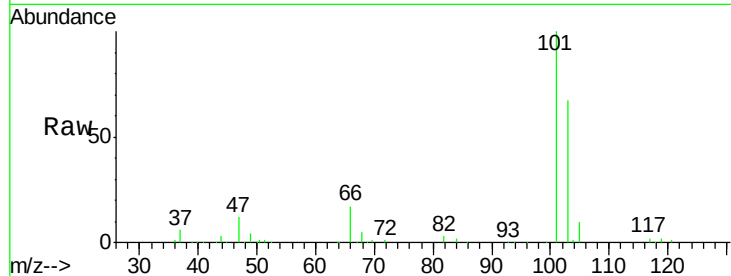
Trichlorofluoromethane
Concen: 52.268 ug/l
RT: 2.10 min Scan# 190
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

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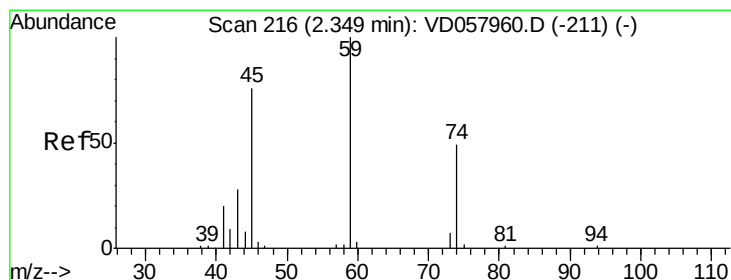
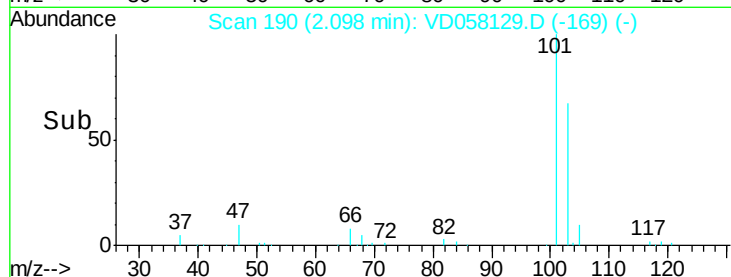
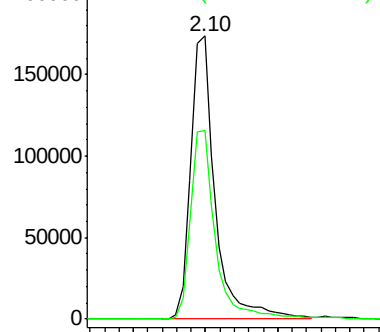
Tot Ion	Ratio	Resp	Lower	Upper
101	100	404391		
103	66.7	52.4	78.6	

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6/15/2018 10:29:23 AM



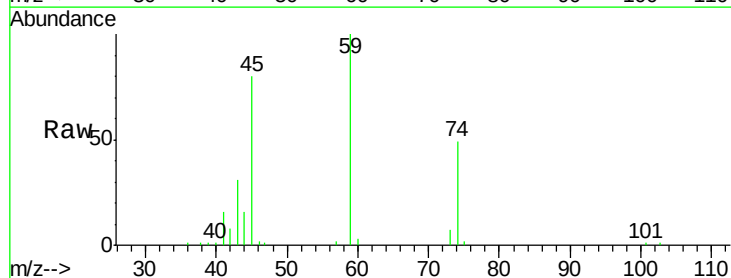
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



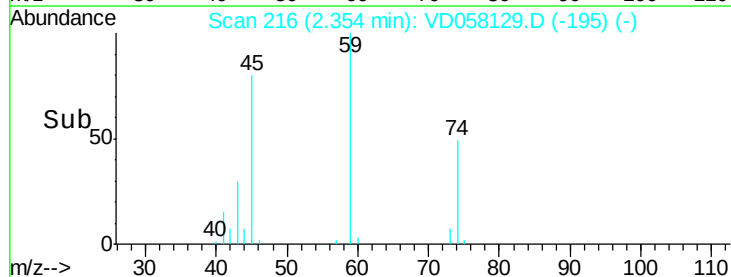
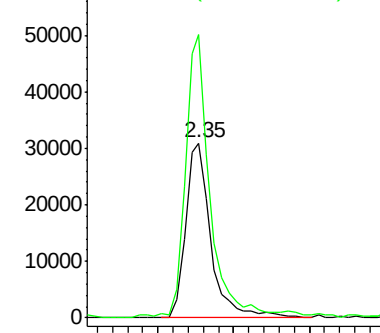
#8

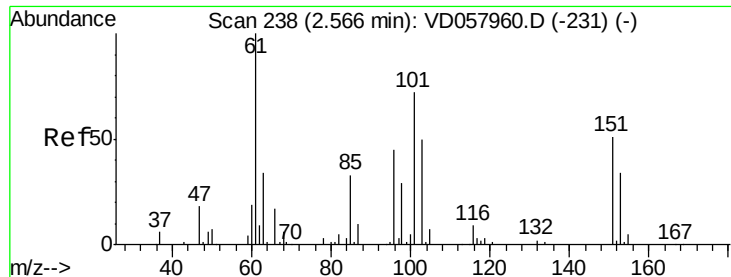
Diethyl Ether
Concen: 50.212 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD058129.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72169		
45	161.8	77.1	231.3	



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.975 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

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MSVOA_D

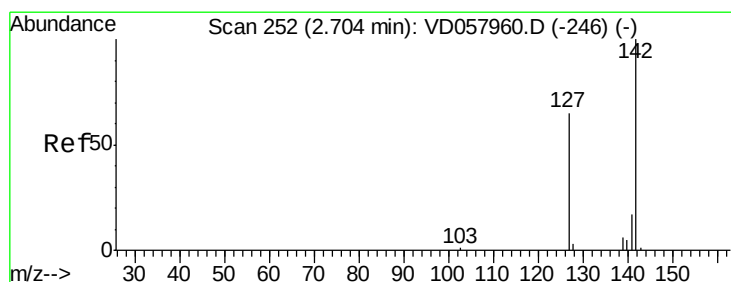
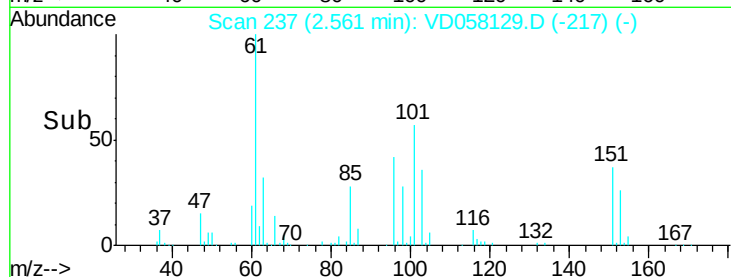
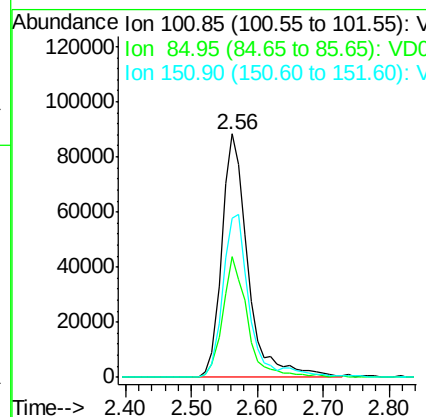
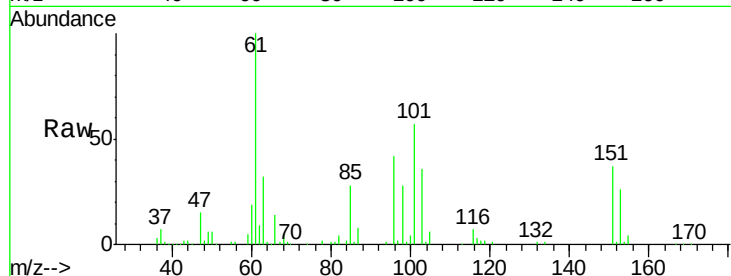
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	244473
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.3	55.9
151	65.4	57.0	85.6

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#10

Methyl Iodide

Concen: 49.429 ug/l

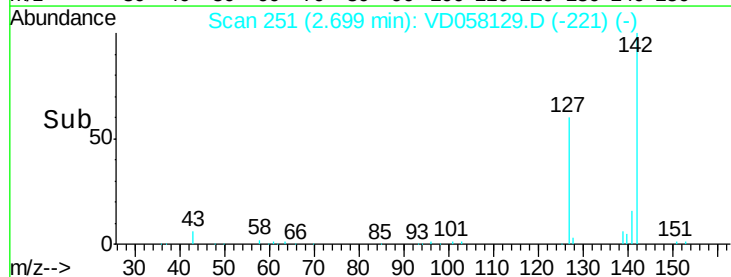
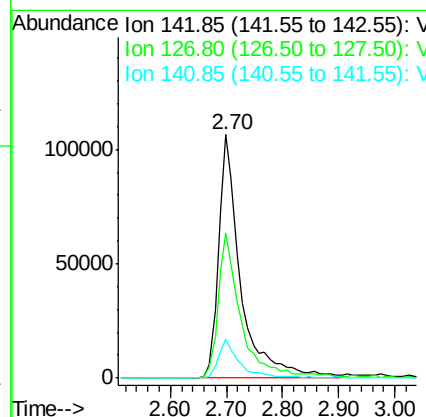
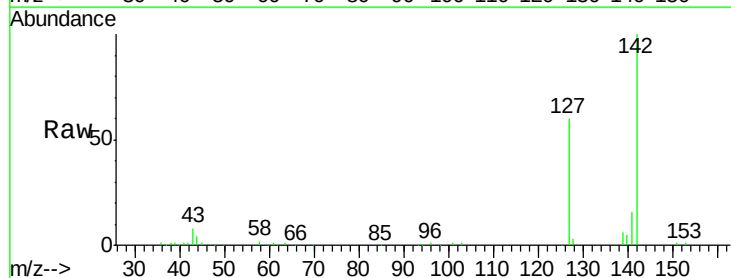
RT: 2.70 min Scan# 251

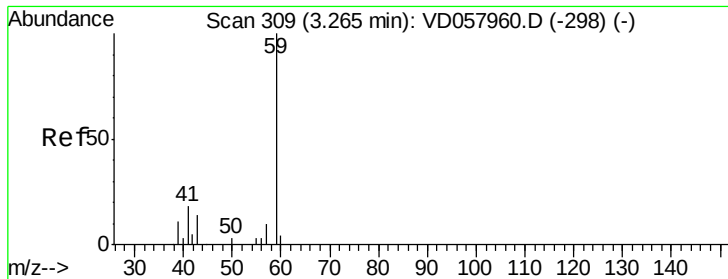
Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	142	Resp:	294336
Ion Ratio	Lower	Upper	
142	100		
127	59.7	52.0	78.0
141	15.8	13.2	19.8





#11

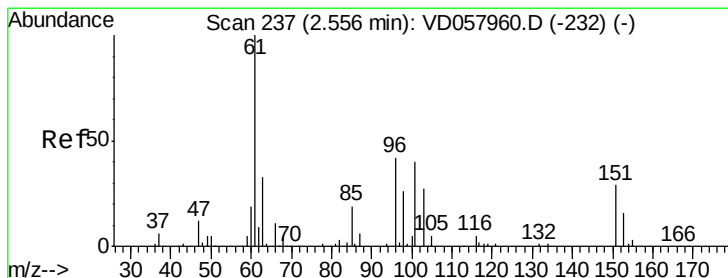
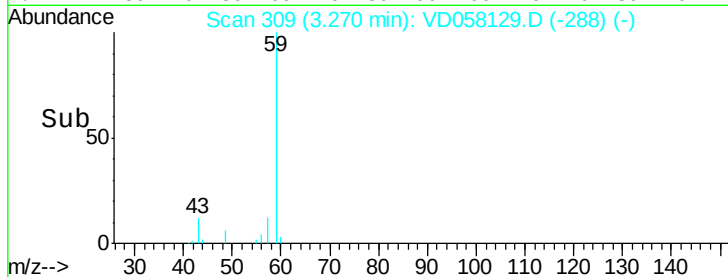
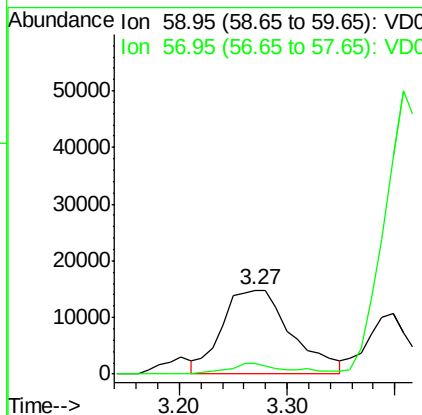
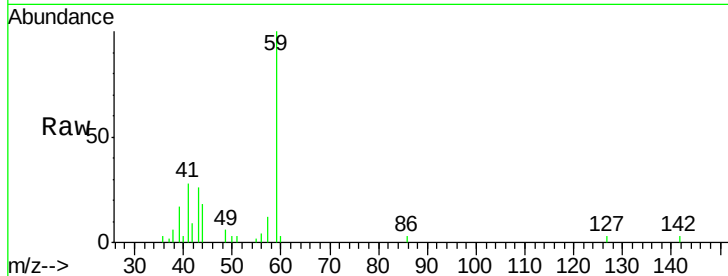
Tert butyl alcohol
Concen: 279.918 ug/l m
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 66317
Ion Ratio Lower Upper
59 100
57 12.3 7.8 11.6#

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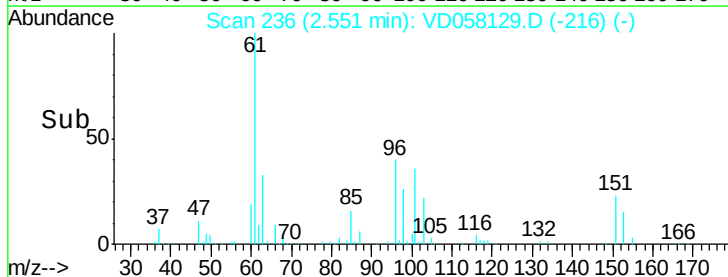
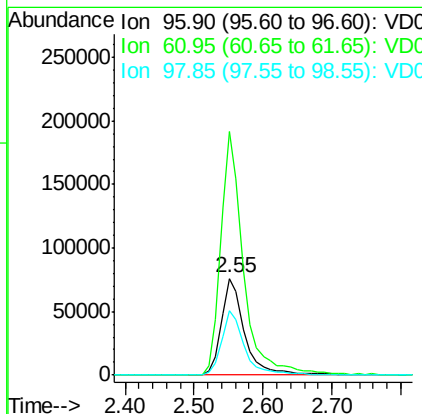
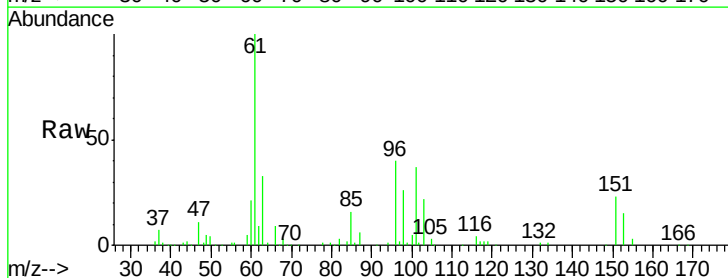
apatel
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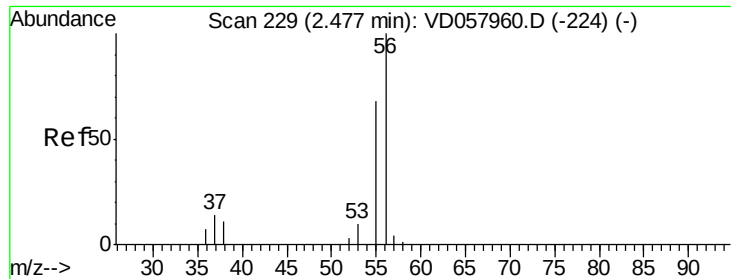


#12

1,1-Dichloroethene
Concen: 49.943 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 96 Resp: 177190
Ion Ratio Lower Upper
96 100
61 252.1 190.2 285.4
98 66.3 49.6 74.4





#13

Acrolein

Concen: 239.859 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 81383

Ion Ratio Lower Upper

56 100

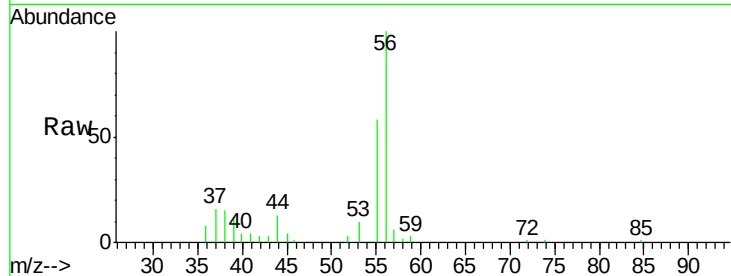
55 57.7 54.0 81.0

Manual Integrations

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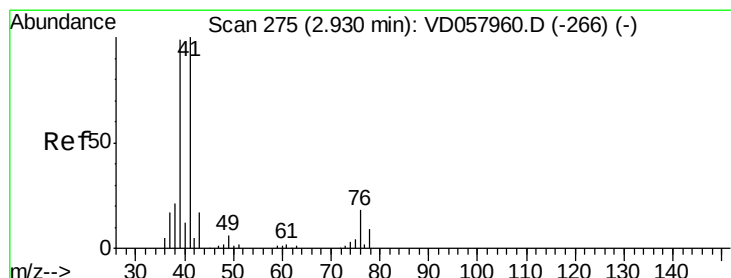
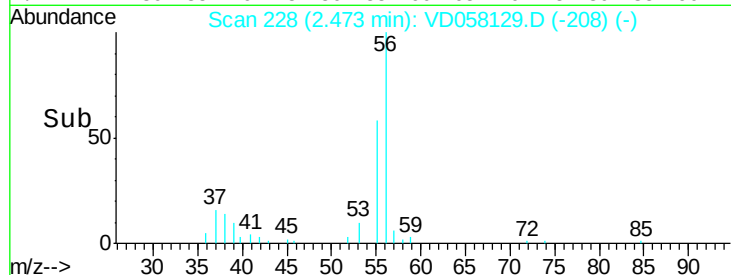
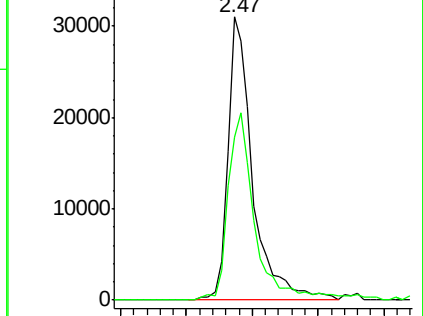
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.370 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

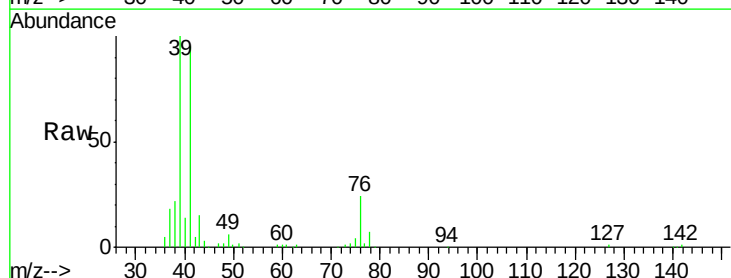
Tgt Ion: 41 Resp: 387691

Ion Ratio Lower Upper

41 100

39 105.3 79.5 119.3

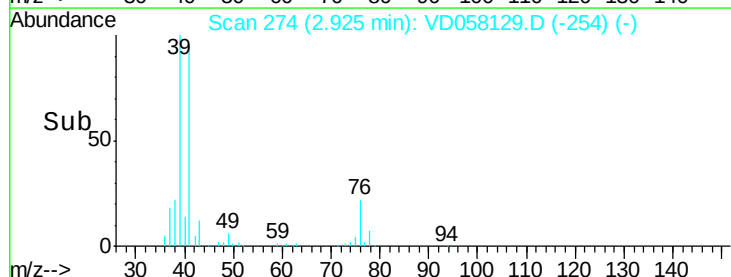
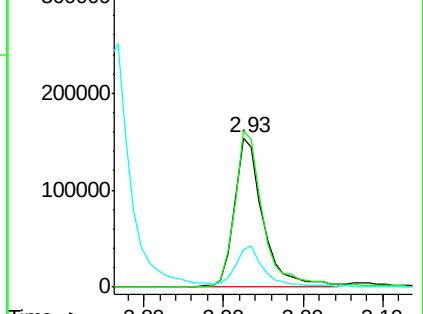
76 25.0 20.7 31.1

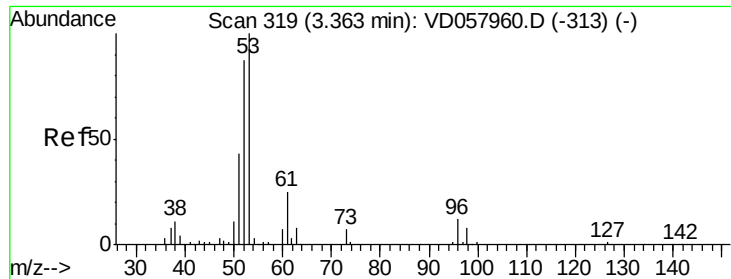


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 233.497 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

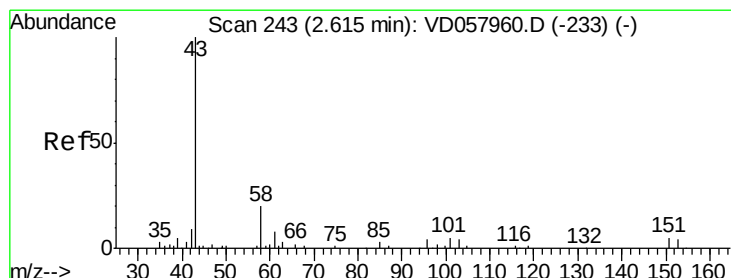
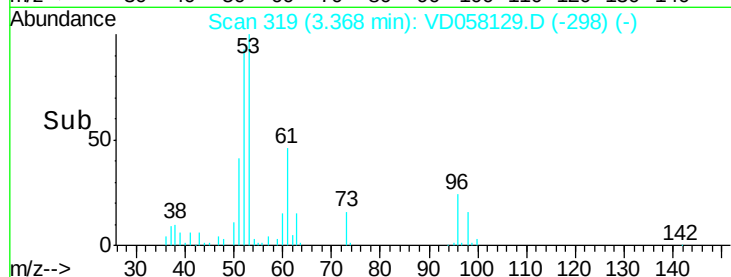
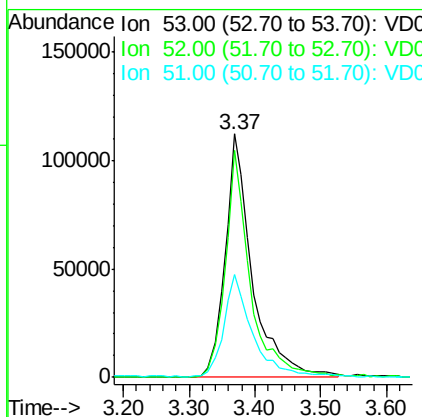
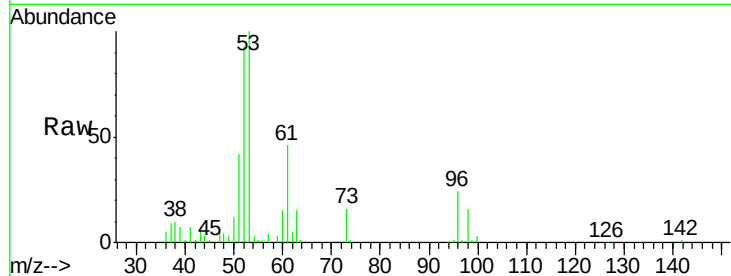
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	323625
Ion Ratio	Lower	Upper	
53	100		
52	93.4	69.9	104.9
51	42.1	34.3	51.5

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#16

Acetone

Concen: 285.498 ug/l

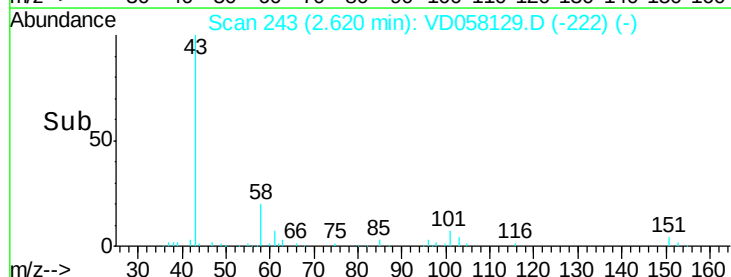
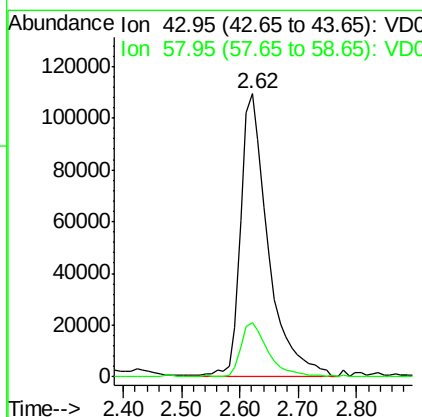
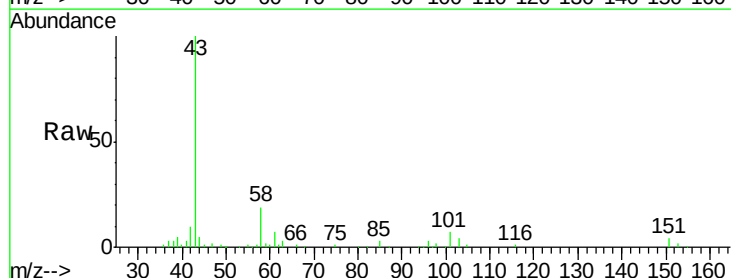
RT: 2.62 min Scan# 243

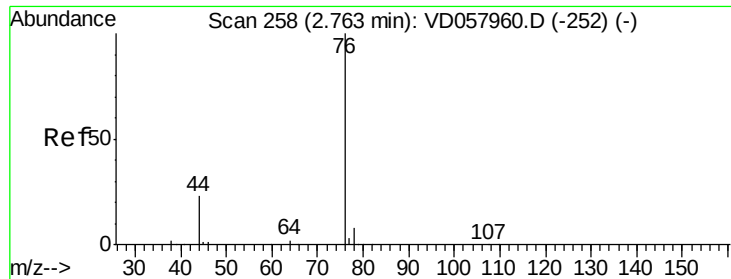
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	43	Resp:	363772
Ion Ratio	Lower	Upper	
43	100		
58	19.3	15.8	23.8





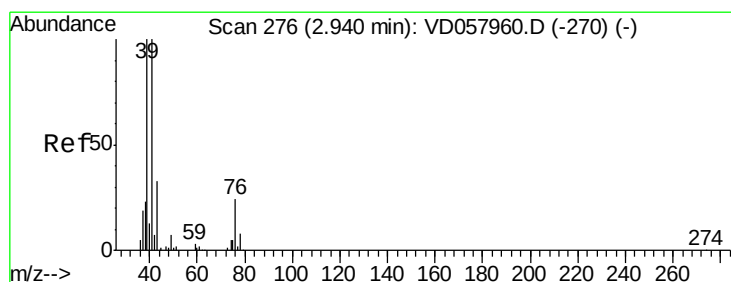
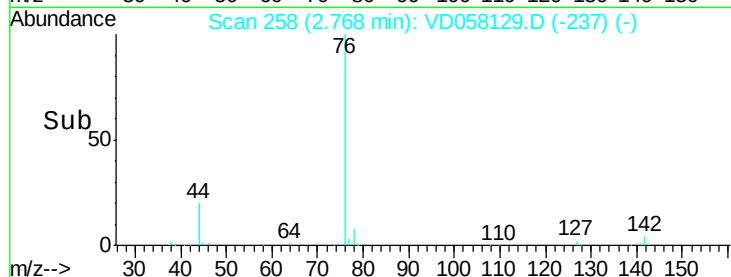
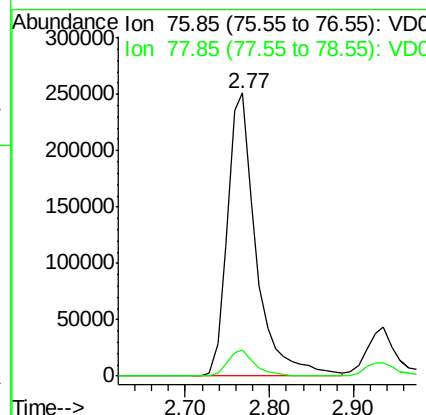
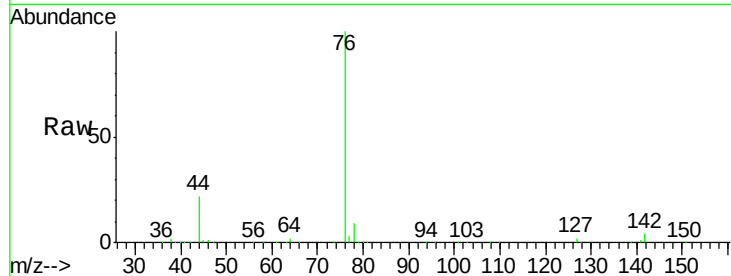
#17
Carbon Disulfide
Concen: 46.062 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	592018		
78	9.0	6.7	10.1	

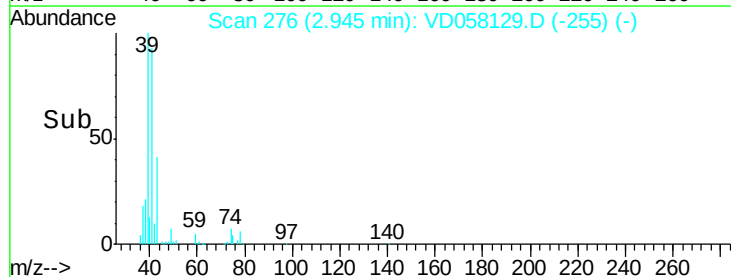
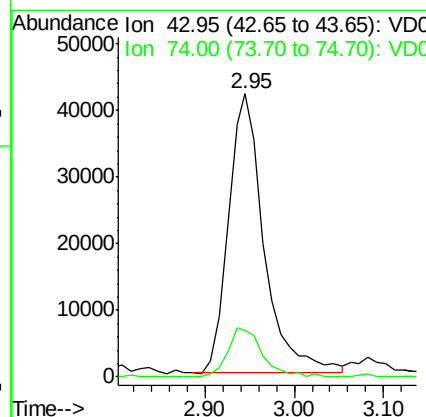
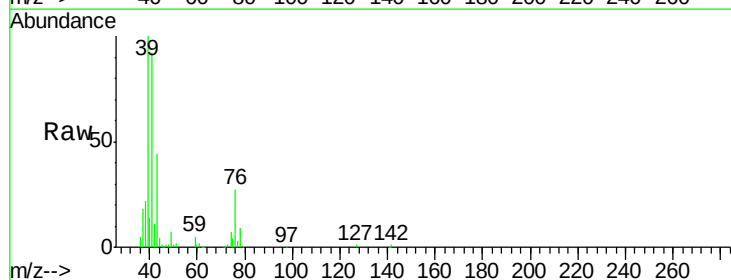
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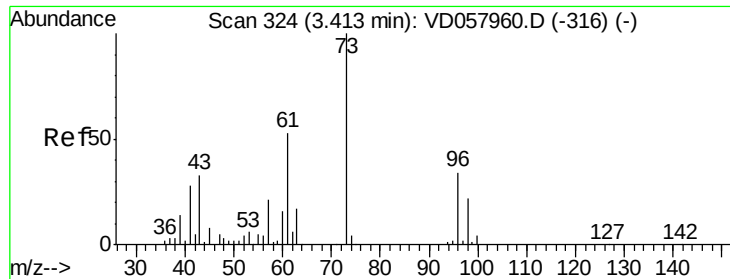
apatel
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#18
Methyl Acetate
Concen: 47.228 ug/l
RT: 2.95 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	116409		
74	16.5	11.2	16.8	





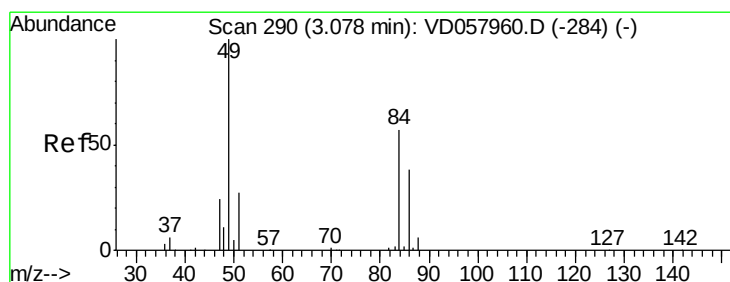
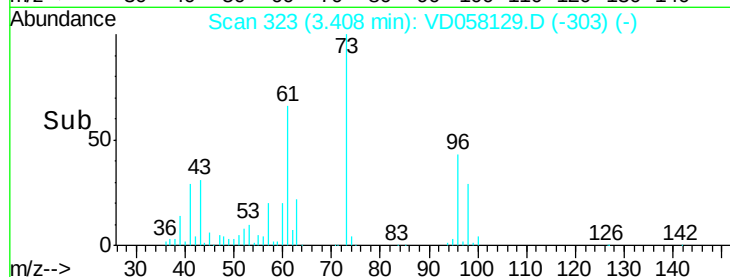
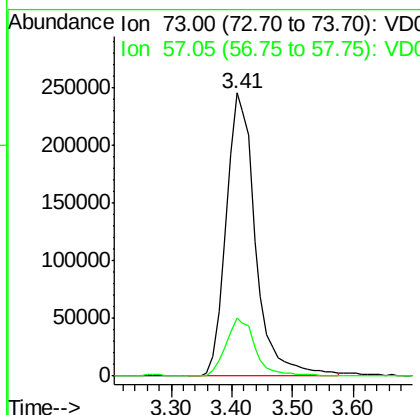
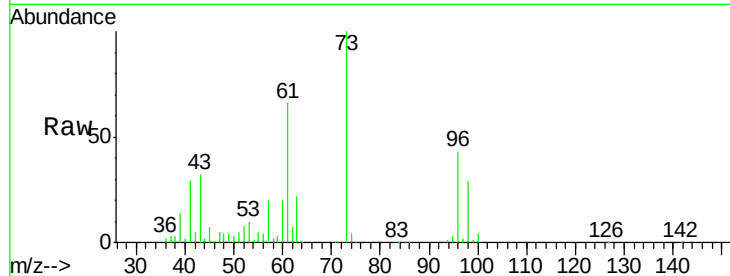
#19
Methyl tert-butyl Ether
Concen: 52.731 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 823194
Ion Ratio Lower Upper
73 100
57 20.4 16.7 25.1

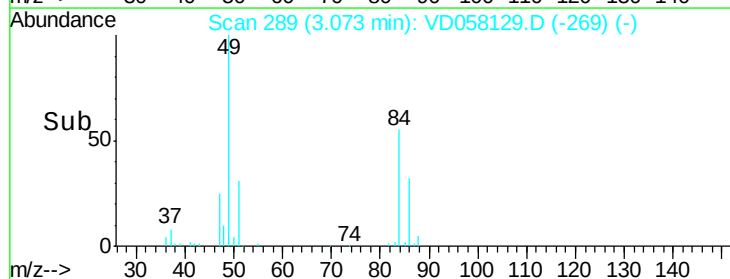
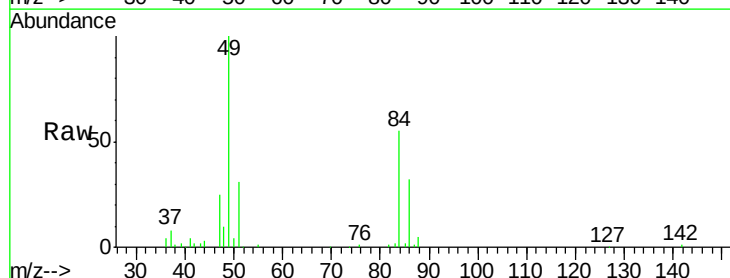
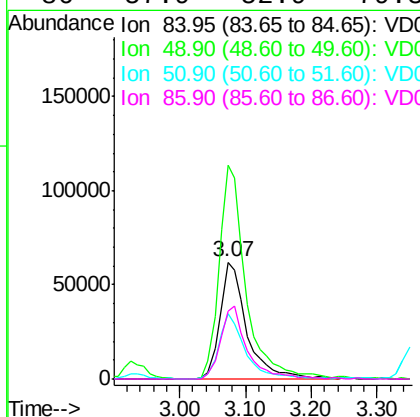
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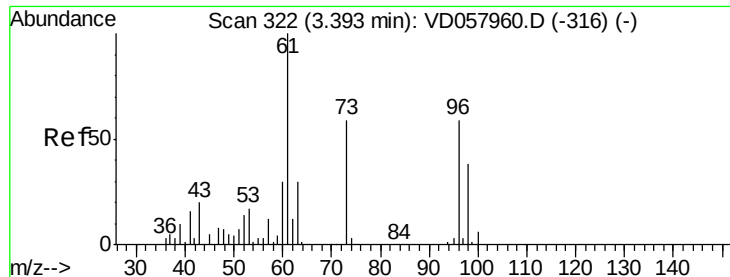
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#20
Methylene Chloride
Concen: 50.758 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 84 Resp: 175285
Ion Ratio Lower Upper
84 100
49 182.7 141.4 212.0
51 55.7 38.3 57.5
86 57.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 50.494 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

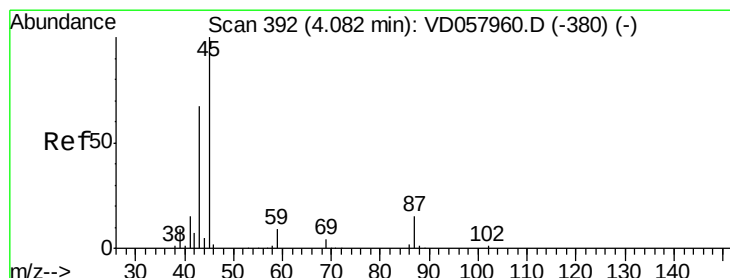
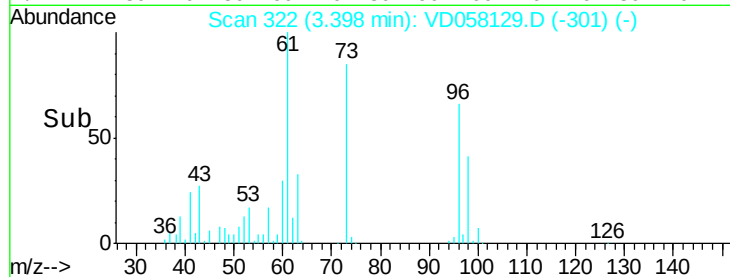
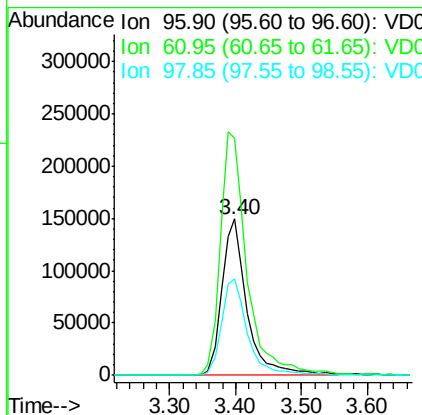
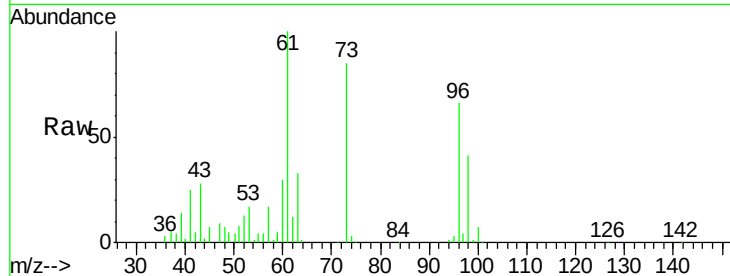
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	399016
Ion	Ratio	Lower	Upper
96	100		
61	151.8	135.2	202.8
98	61.9	51.7	77.5

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#22

Diisopropyl ether

Concen: 47.123 ug/l

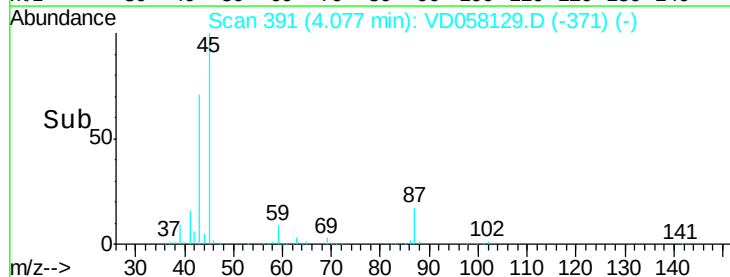
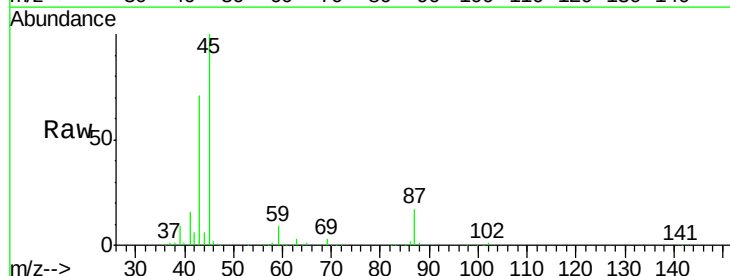
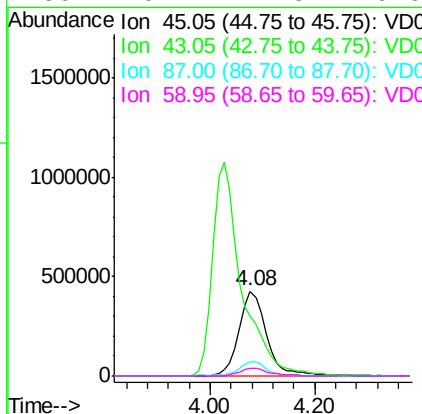
RT: 4.08 min Scan# 391

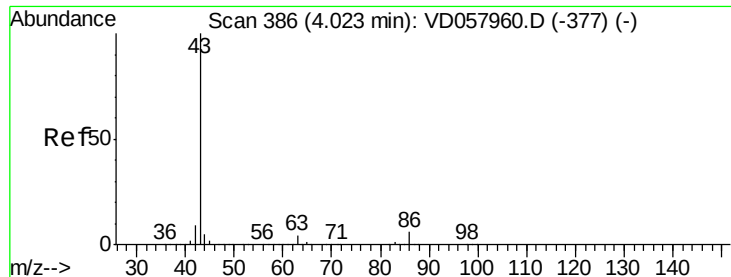
Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	45	Resp:	1527871
Ion	Ratio	Lower	Upper
45	100		
43	70.6	53.8	80.8
87	17.0	12.5	18.7
59	9.1	7.3	10.9





#23

Vinyl Acetate

Concen: 245.627 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4114871

Ion Ratio Lower Upper

43 100

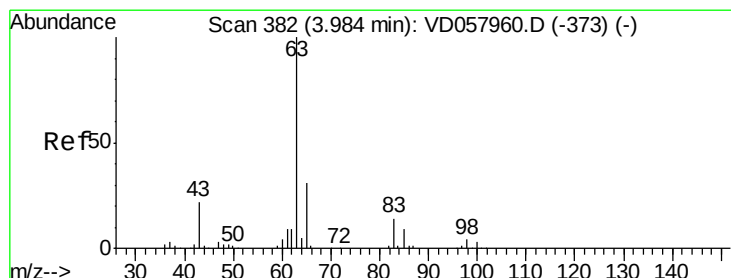
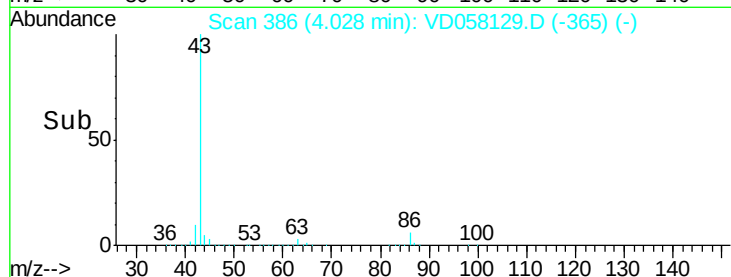
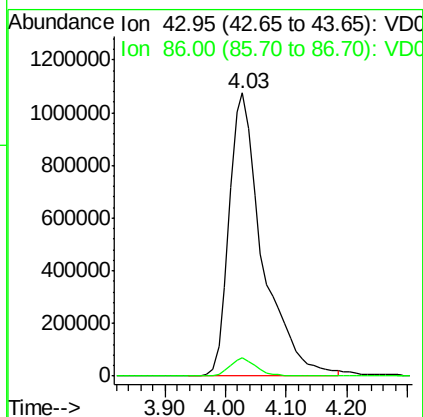
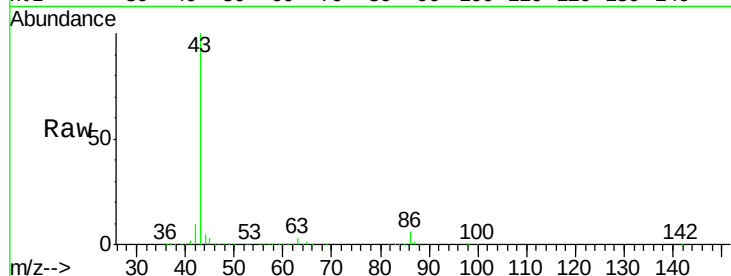
86 6.4 4.7 7.1

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#24

1,1-Dichloroethane

Concen: 48.667 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

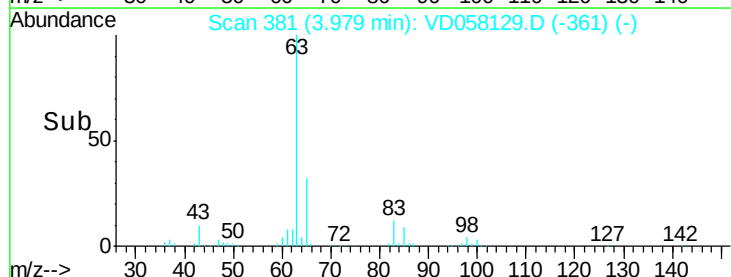
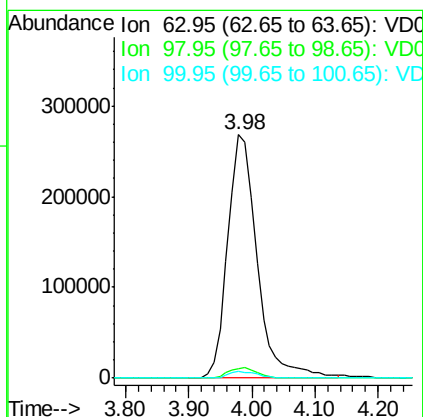
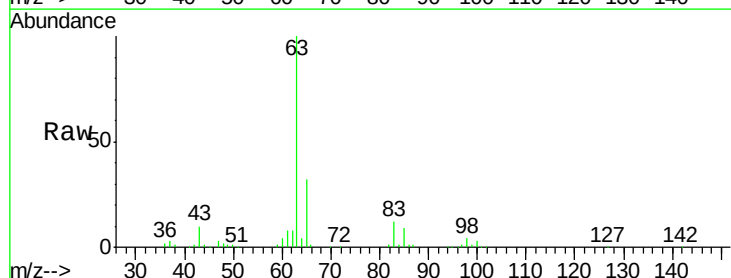
Tgt Ion: 63 Resp: 867224

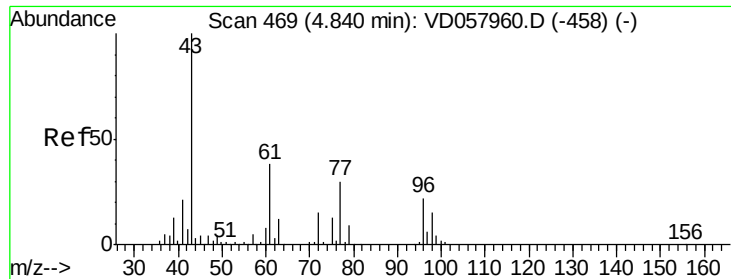
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 3.0 1.4 4.2





#25

2-Butanone

Concen: 236.966 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 686182

Ion Ratio Lower Upper

43 100

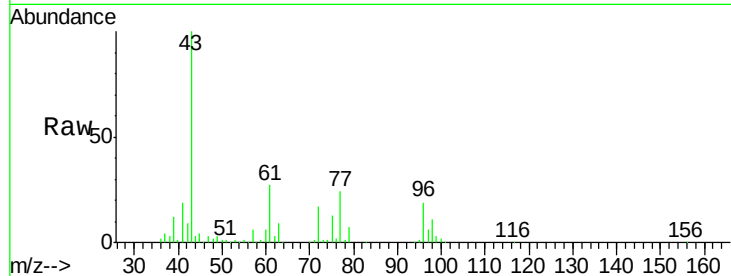
72 17.4 12.0 18.0

Manual Integrations

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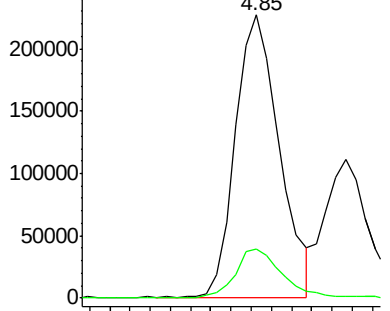
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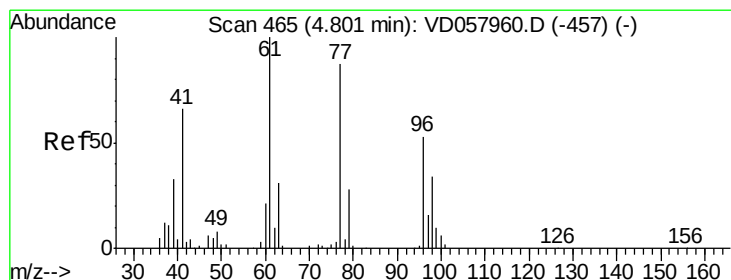
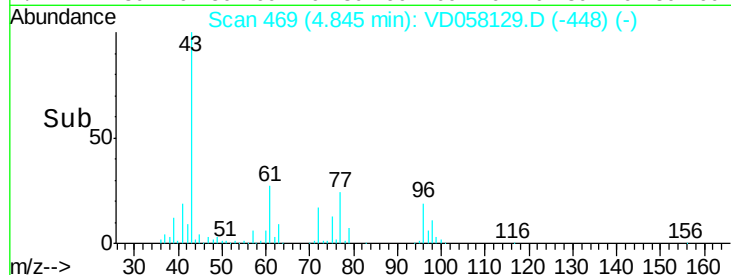


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 51.566 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058129.D

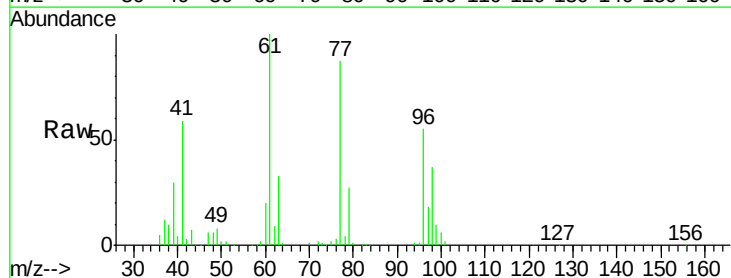
Acq: 14 Jun 2018 11:49

Tgt Ion: 77 Resp: 756949

Ion Ratio Lower Upper

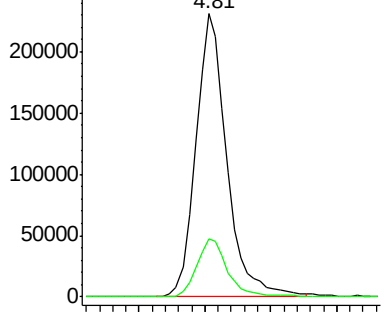
77 100

97 20.8 9.2 27.6

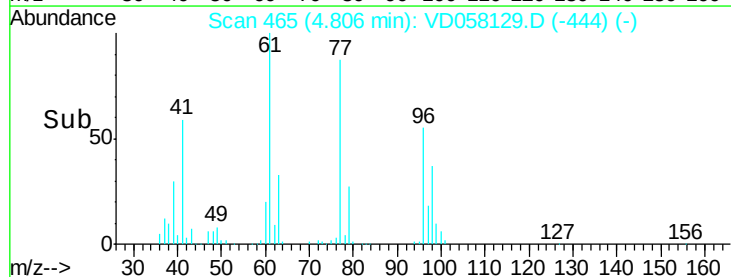


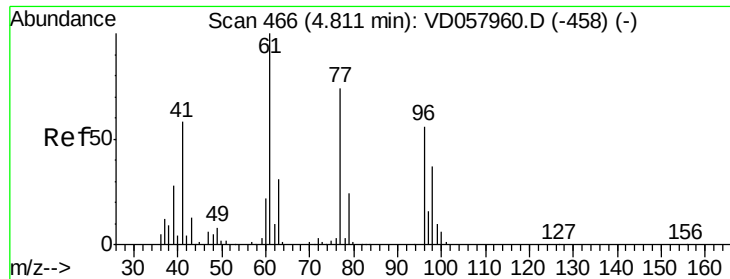
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

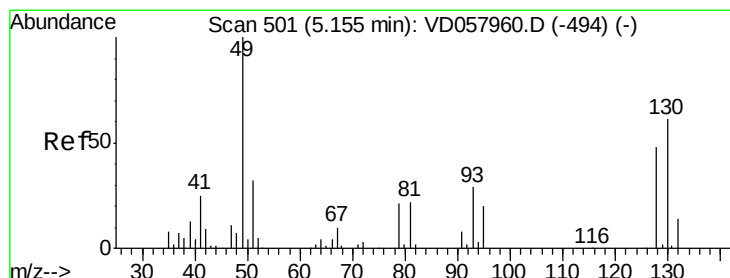
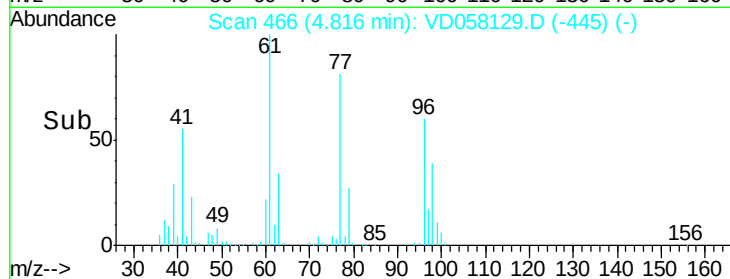
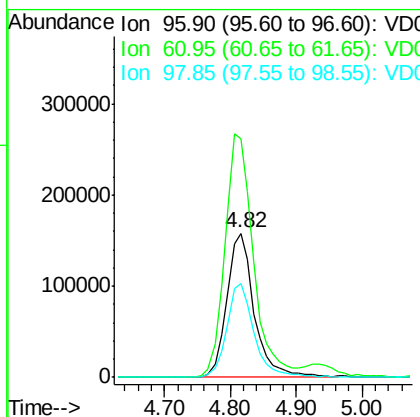
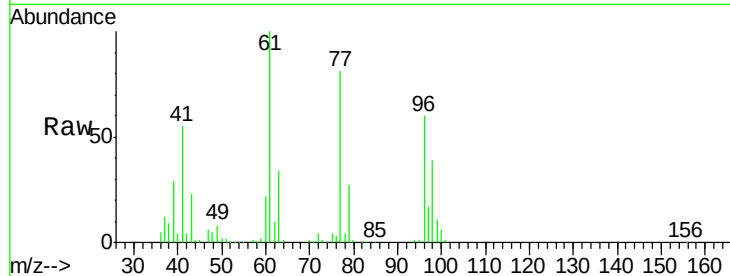
cis-1,2-Dichloroethene
Concen: 49.221 ug/l
RT: 4.82 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.9	0.0	355.0	
98	65.5	0.0	129.6	

Manual Integrations
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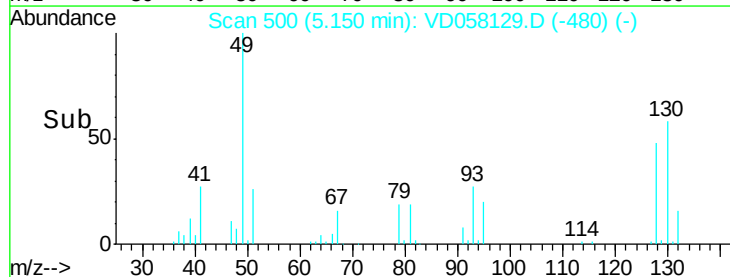
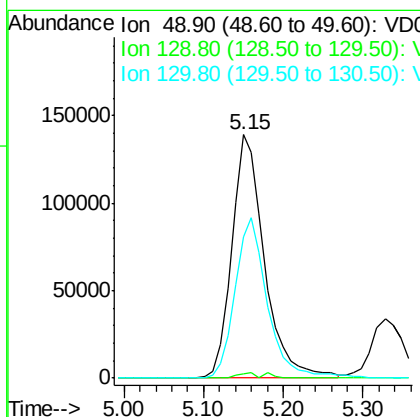
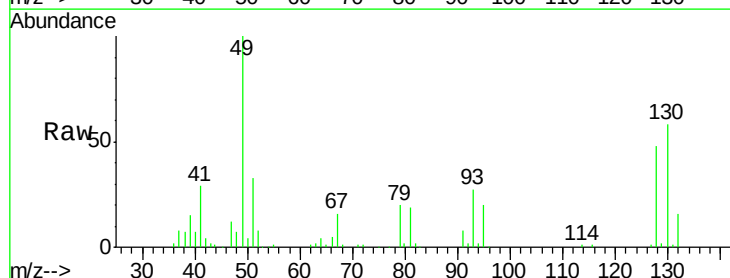
apatel
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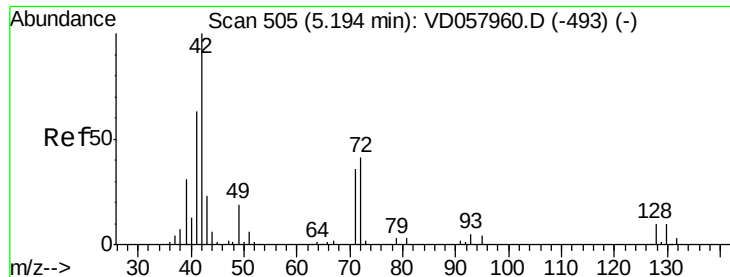


#28

Bromochloromethane
Concen: 51.254 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	58.0	48.8	73.2	





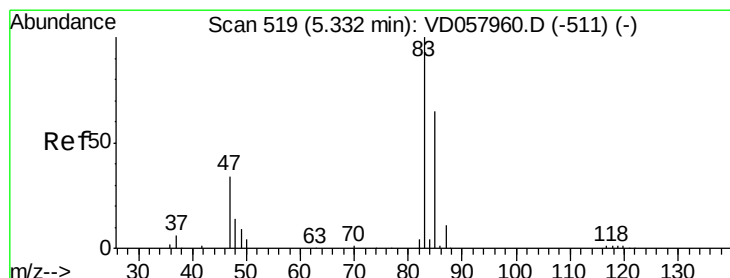
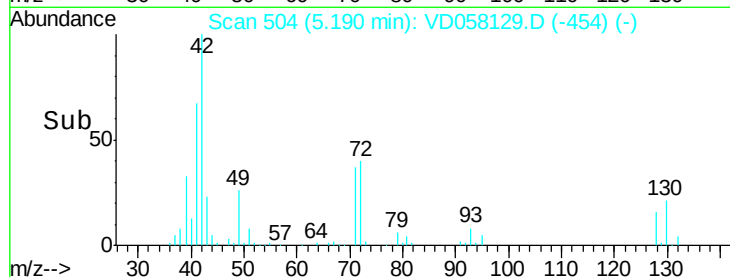
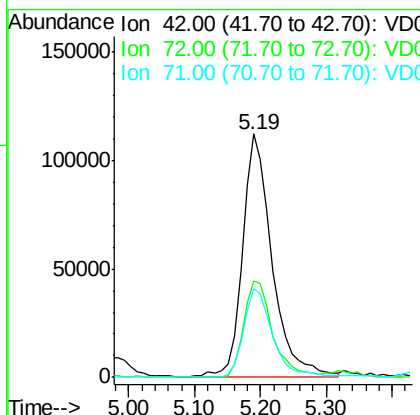
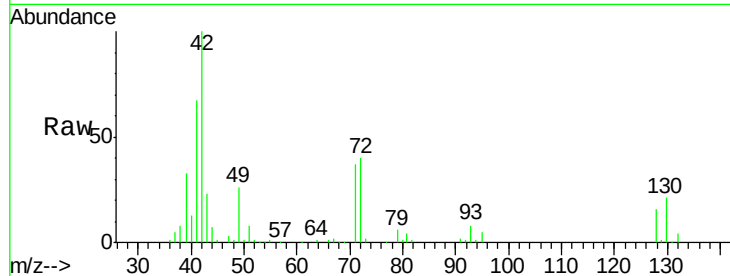
#29
Tetrahydrofuran
Concen: 230.612 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	28.5	42.7
71	36.4	27.9	41.9

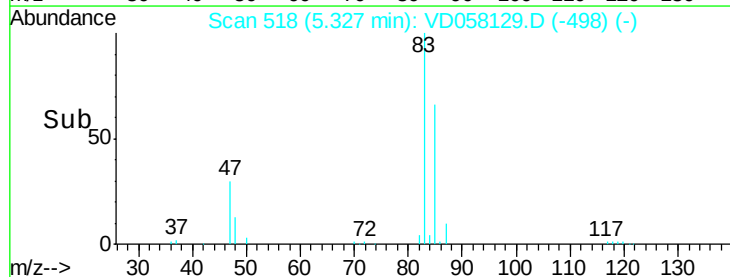
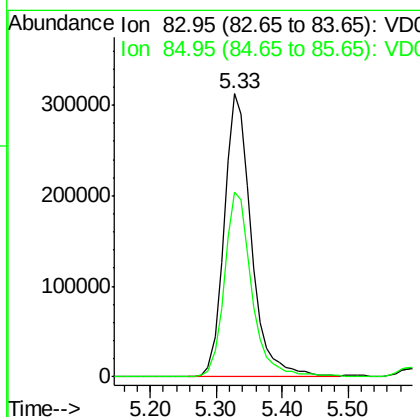
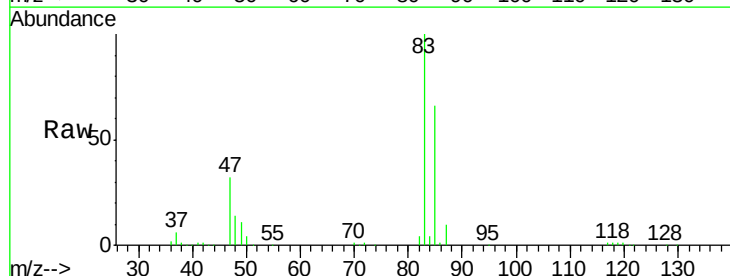
Manual Integrations
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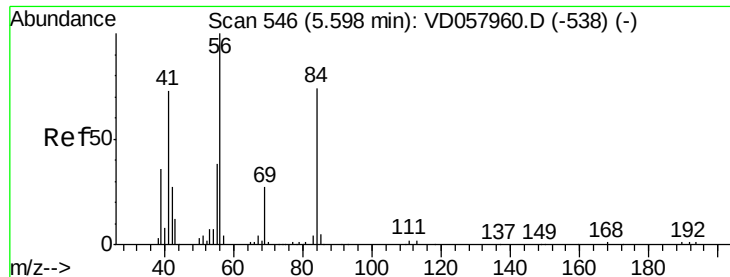
apatel
6/15/2018 10:29:23 AM



#30
Chloroform
Concen: 50.377 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4





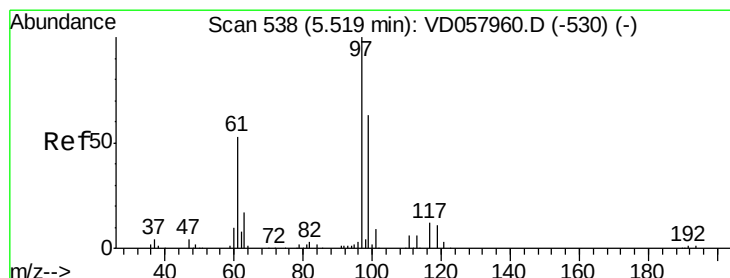
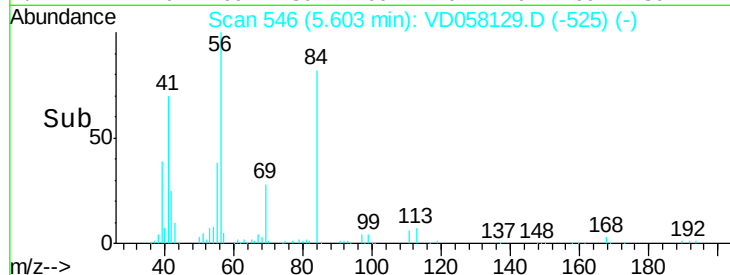
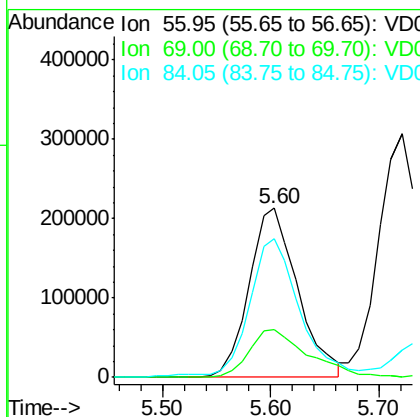
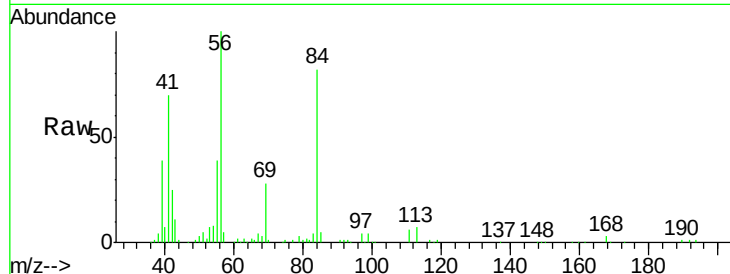
#31
Cyclohexane
Concen: 43.082 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	21.5	32.3
84	82.0	61.0	91.6

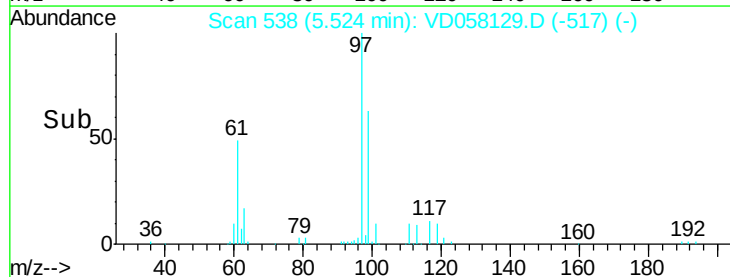
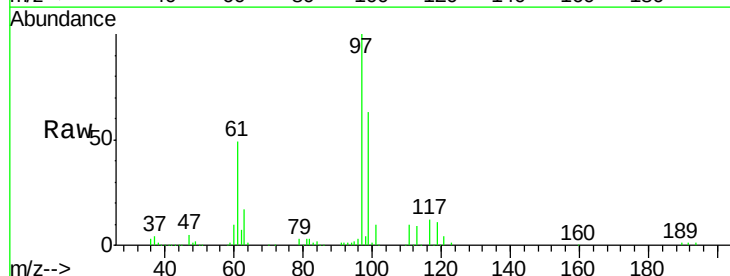
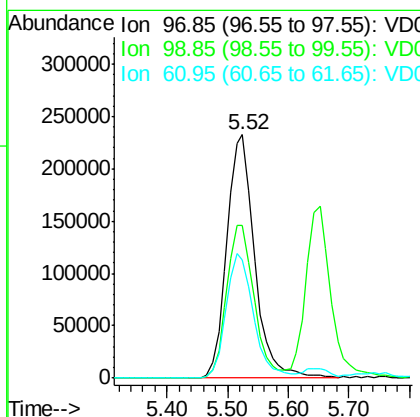
Manual Integrations
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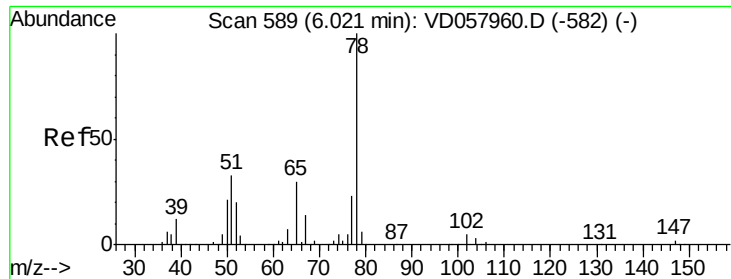
apatel
6/15/2018 10:29:23 AM



#32
1,1,1-Trichloroethane
Concen: 49.366 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.1	75.1
61	48.8	42.2	63.4





#33

1,2-Dichloroethane-d4

Concen: 49.366 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tot Ion: 65 Resp: 397756

Ion Ratio Lower Upper

65 100

67 47.9 0.0 94.0

Instrument :

MSVOA_D

ClientSampleId :

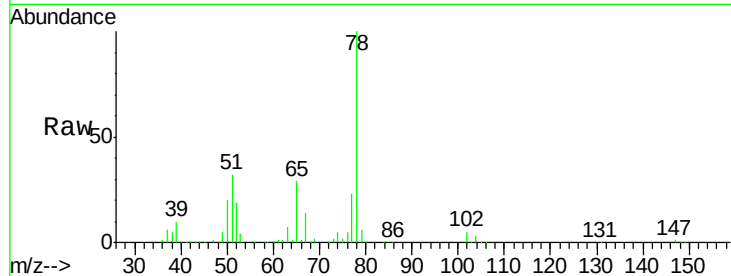
VSTDCCC050

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

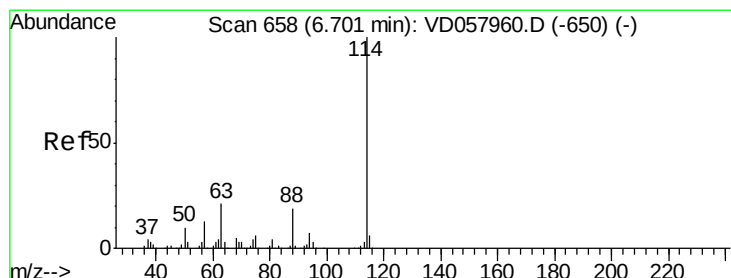
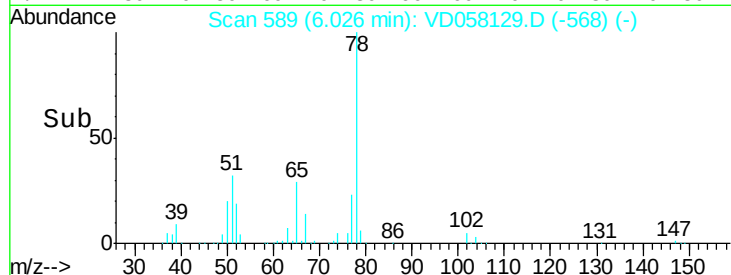
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

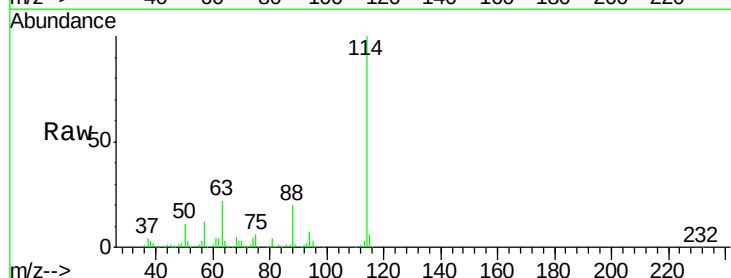
Tgt Ion:114 Resp: 1109323

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.8

88 20.0 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.70

500000

400000

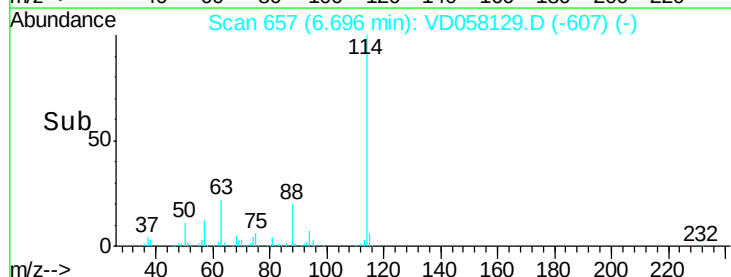
300000

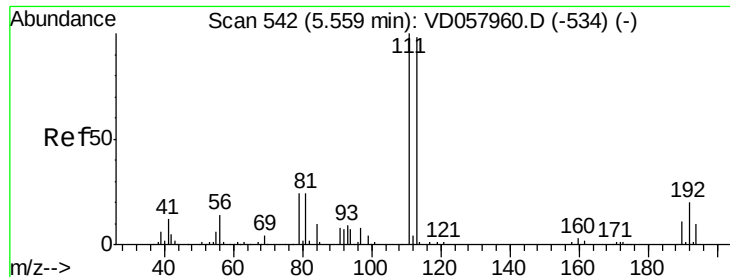
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

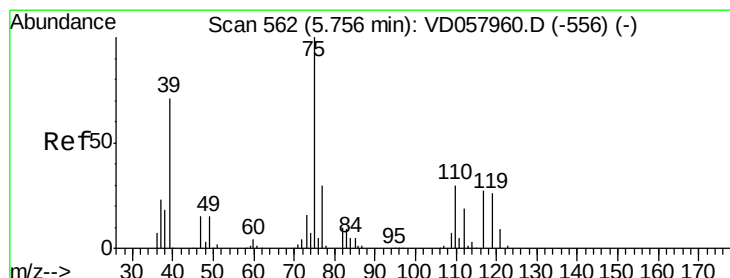
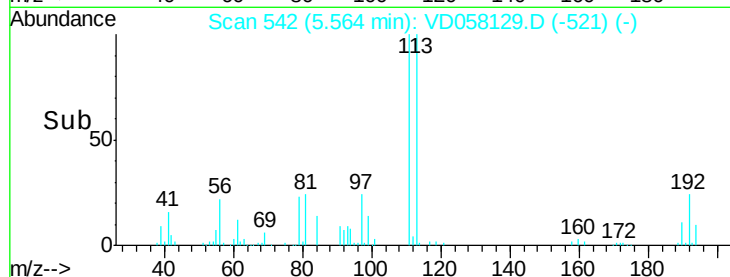
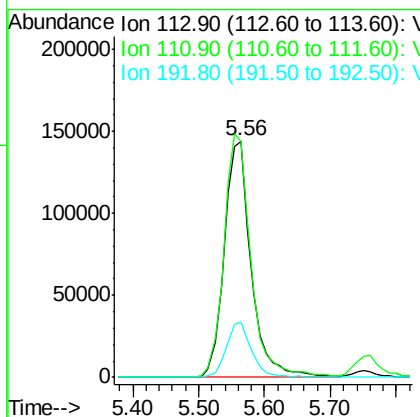
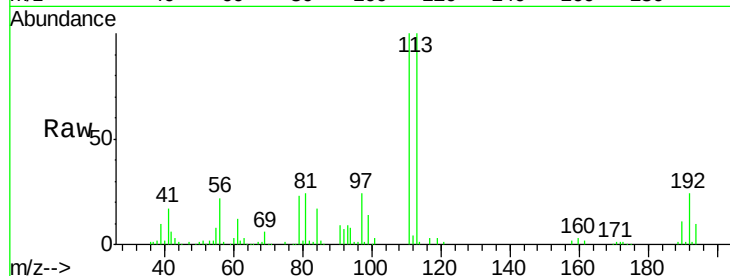
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	411753
Ion Ratio	Lower	Upper	
113	100		
111	99.7	81.5	122.3
192	23.5	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.254 ug/l

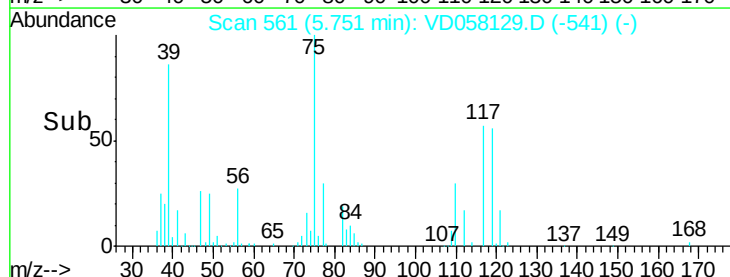
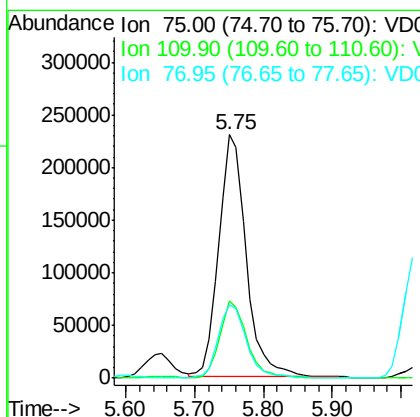
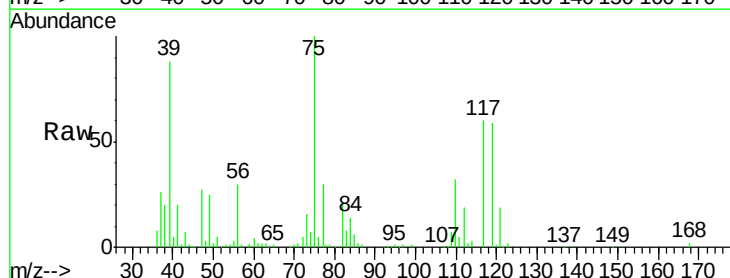
RT: 5.75 min Scan# 561

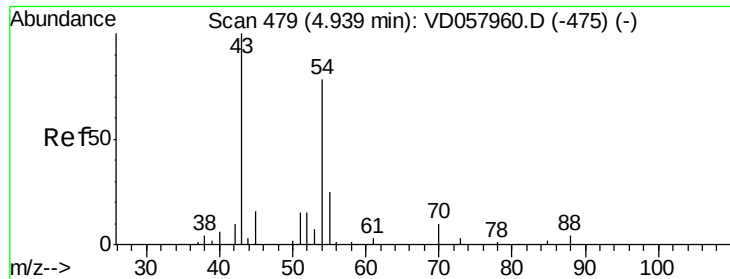
Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	75	Resp:	638633
Ion Ratio	Lower	Upper	
75	100		
110	31.6	14.8	44.3
77	30.2	23.9	35.9





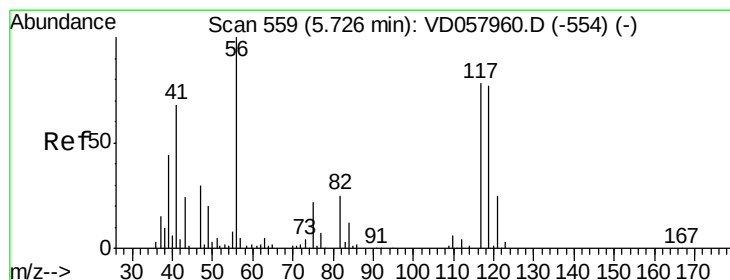
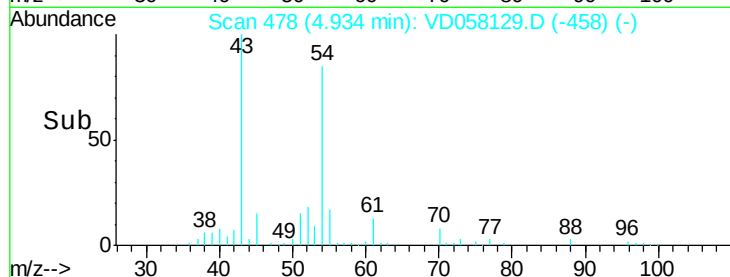
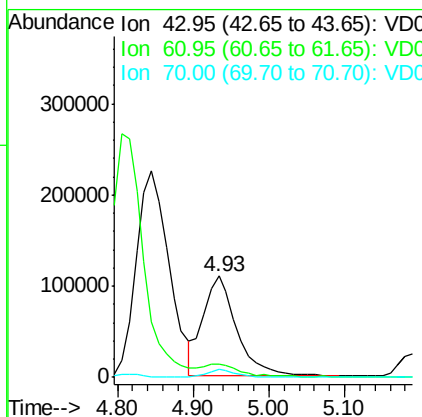
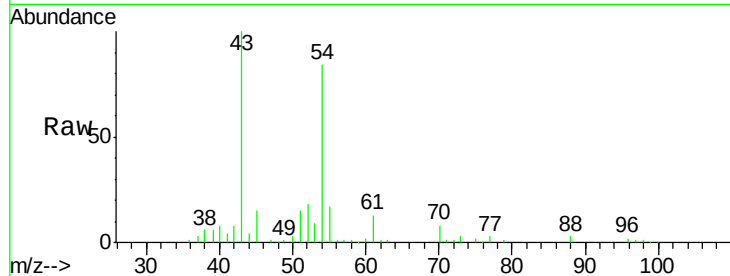
#37
Ethyl Acetate
Concen: 50.876 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	339282
Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.9	14.9
70	7.9	5.7	8.5

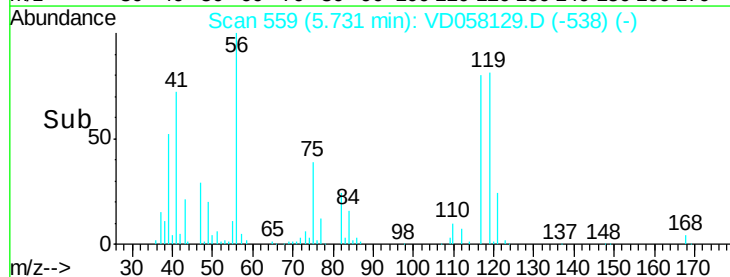
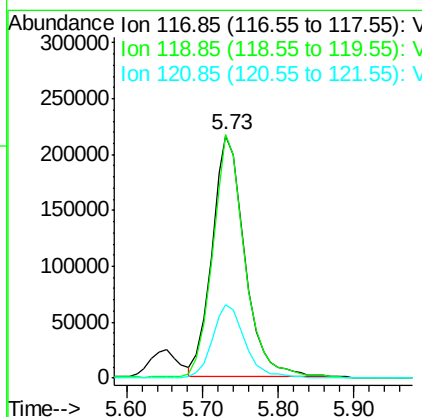
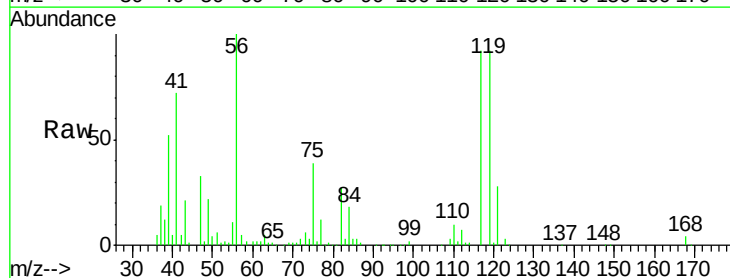
Manual Integrations
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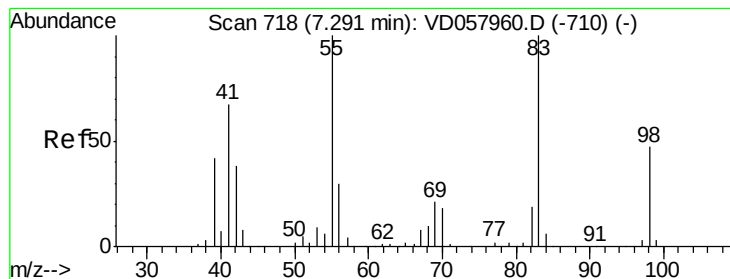
apatel
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#38
Carbon Tetrachloride
Concen: 53.649 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	117	Resp	646210
Ion	Ratio	Lower	Upper
117	100		
119	100.2	76.1	114.1
121	30.0	24.9	37.3





#39

Methylvlcyclohexane

Concen: 52.620 ug/l

RT: 7.30 min Scan# 718

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

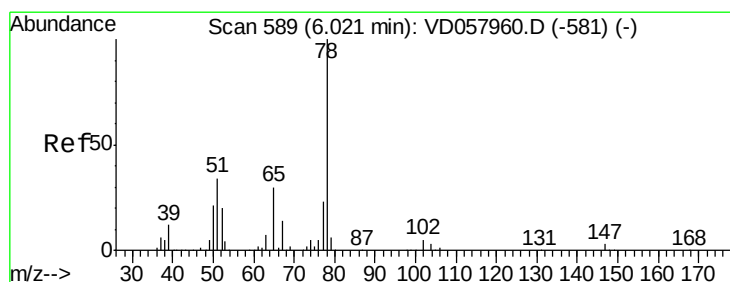
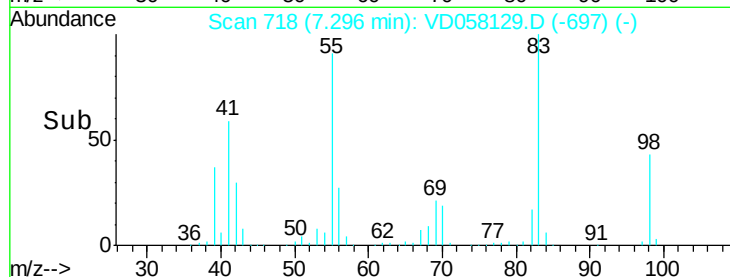
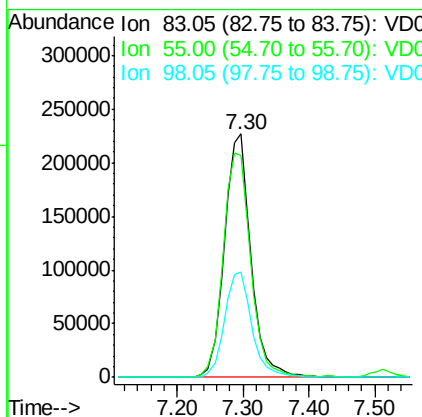
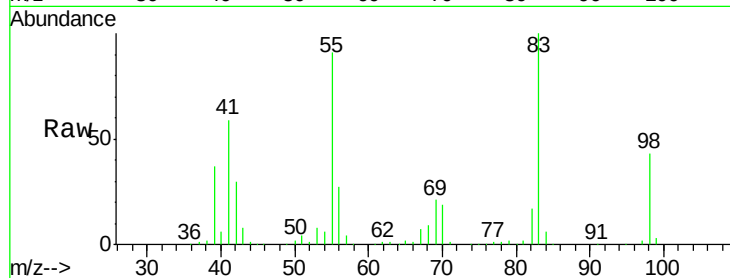
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	637519
Ion	Ratio	Lower	Upper
83	100		
55	91.3	80.3	120.5
98	43.5	38.0	57.0

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#40

Benzene

Concen: 52.203 ug/l

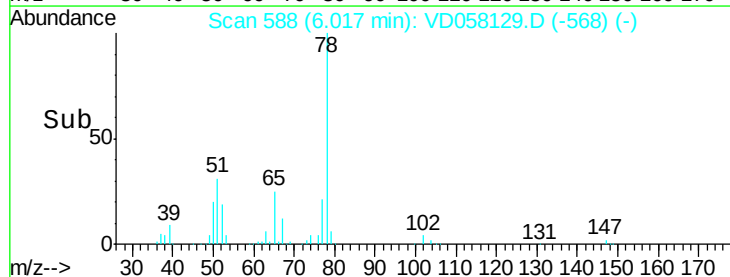
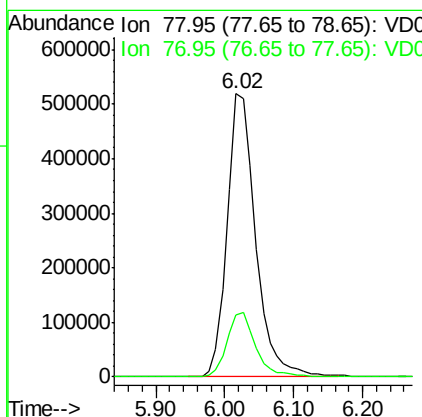
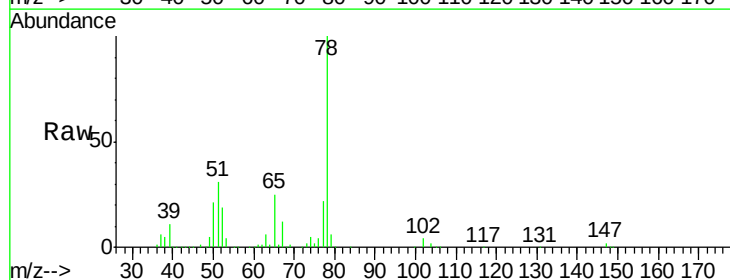
RT: 6.02 min Scan# 588

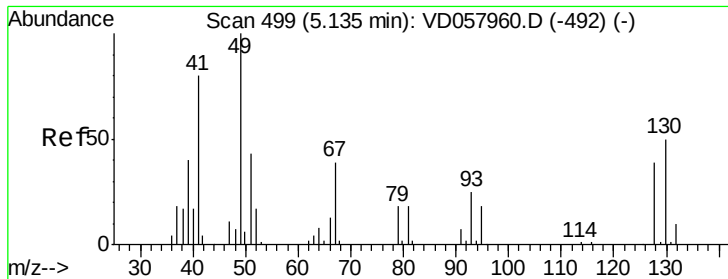
Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	78	Resp:	1490441
Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.1	27.1





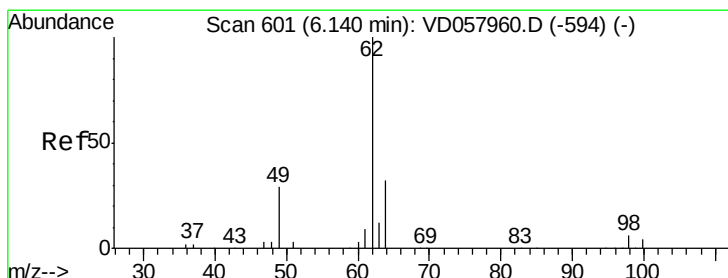
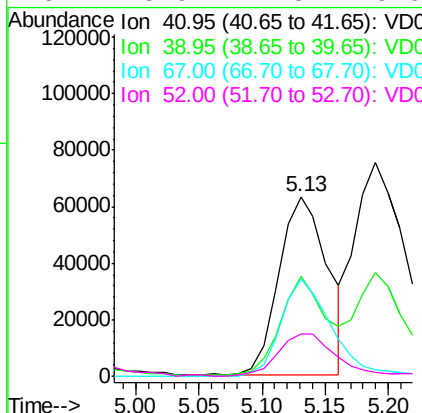
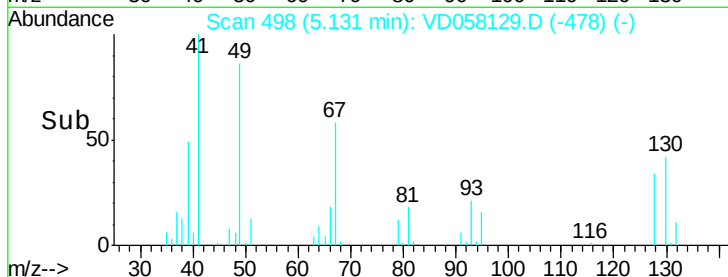
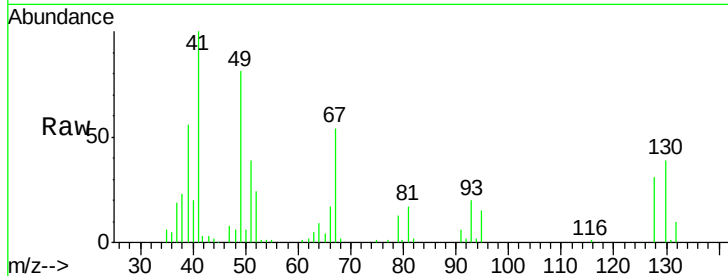
#41
Methacrylonitrile
Concen: 55.443 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	40.7	61.1
67	54.1	38.8	58.2
52	23.9	17.3	25.9

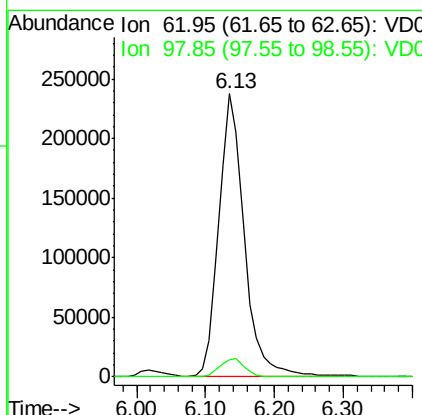
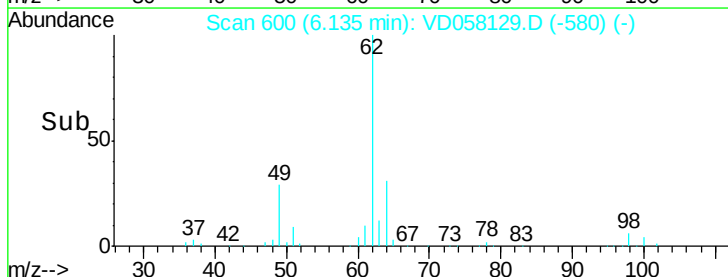
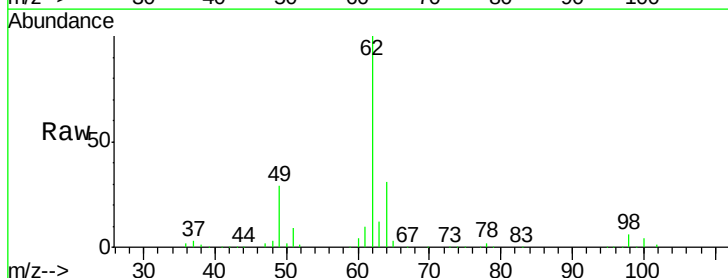
Manual Integrations
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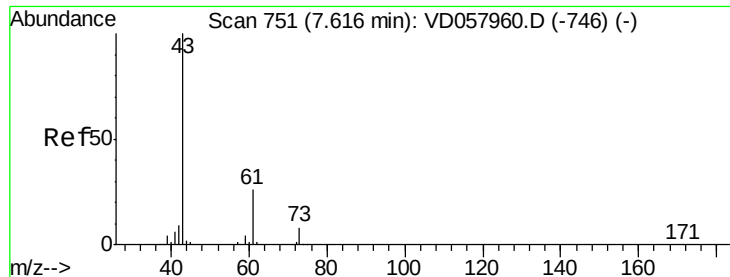
apatel
6/15/2018 10:29:23 AM



#42
1,2-Dichloroethane
Concen: 52.470 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	12.8





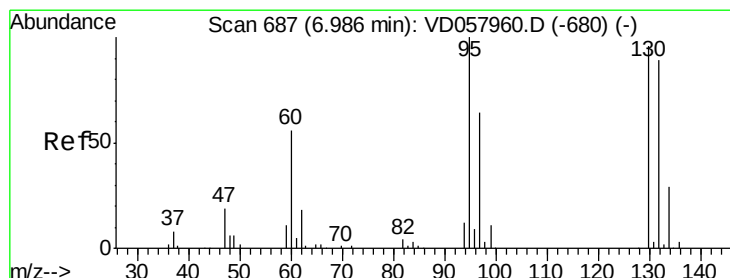
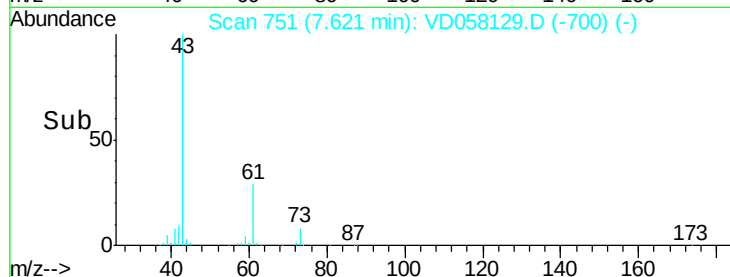
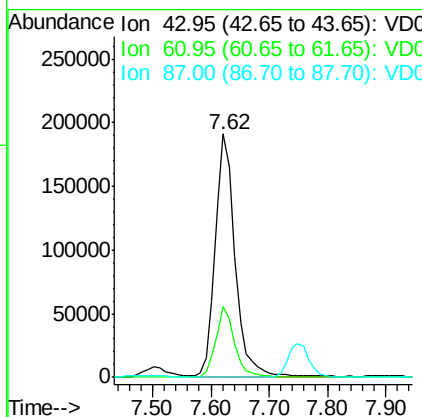
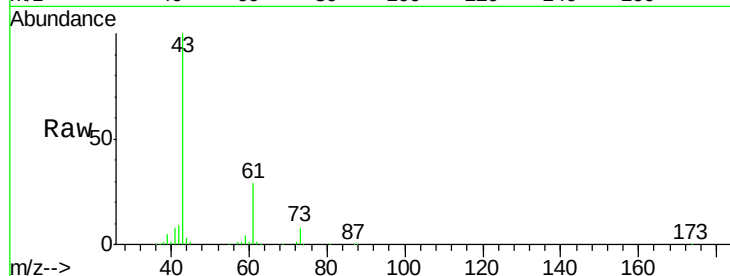
#43
Isopropyl Acetate
Concen: 51.420 ug/l
RT: 7.62 min Scan# 751
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	20.6	30.8
87	0.3	0.2	0.4

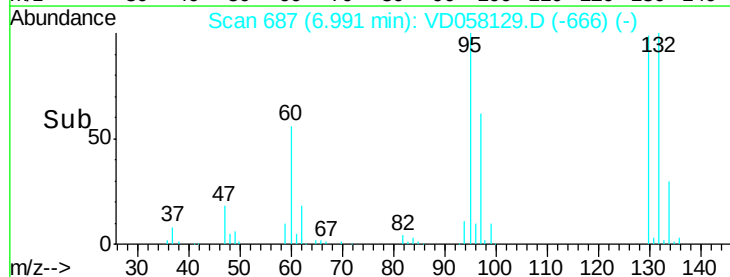
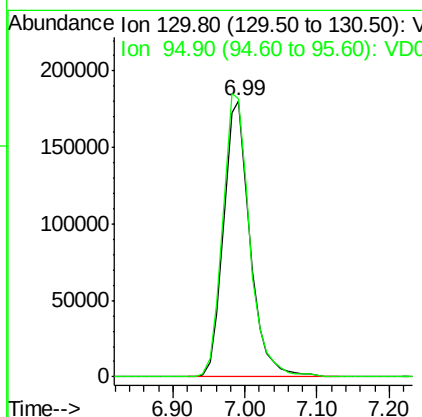
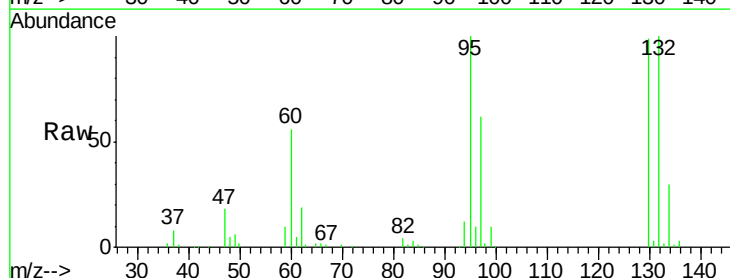
Manual Integrations
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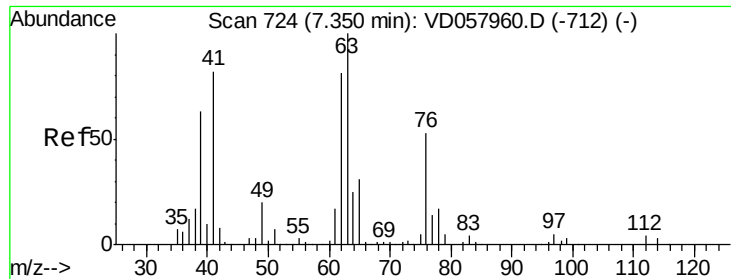
apatel
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#44
Trichloroethene
Concen: 54.830 ug/l
RT: 6.99 min Scan# 687
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	207.4





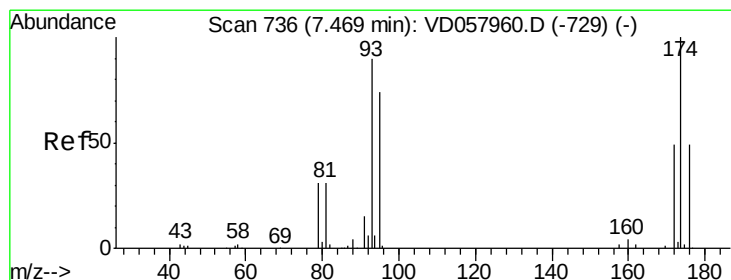
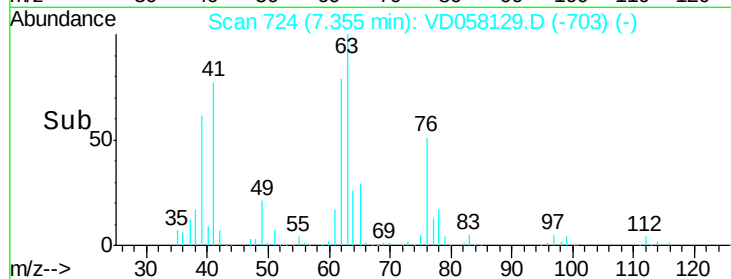
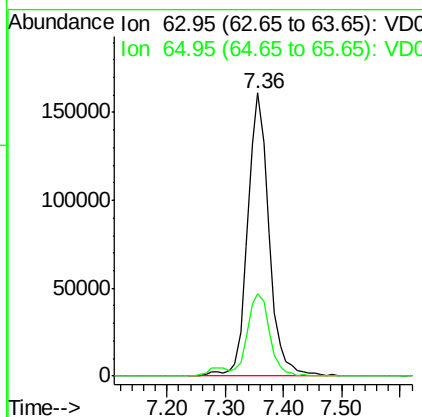
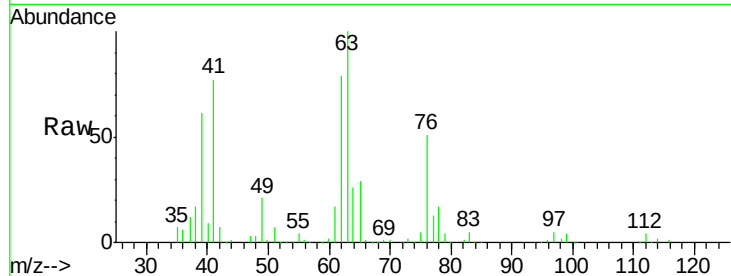
#45
 1,2-Dichloropropane
 Concen: 52.364 ug/l
 RT: 7.36 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 415519
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.9 37.3

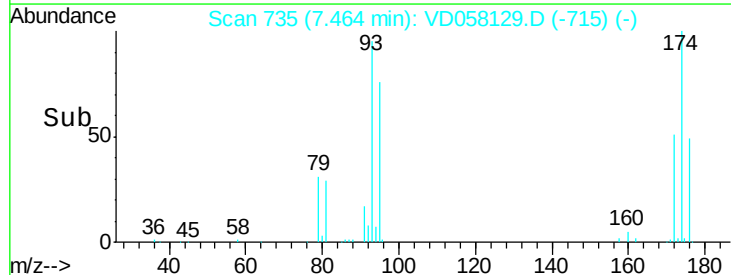
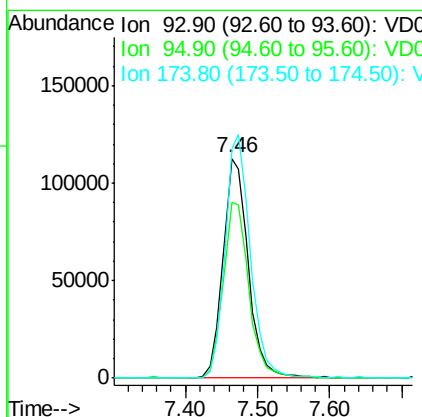
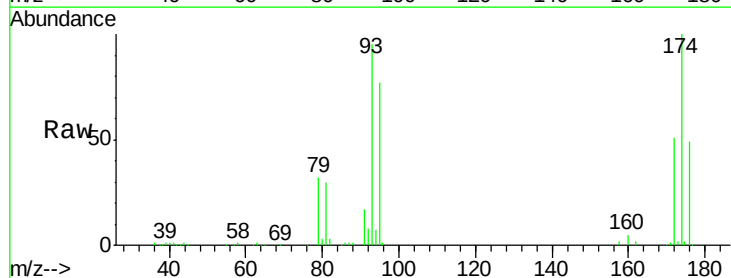
Manual Integrations
 APPROVED

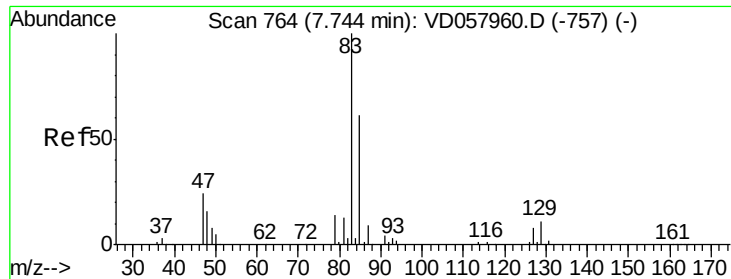
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#46
 Dibromomethane
 Concen: 53.606 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 93 Resp: 273261
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.7 98.5
 174 104.7 89.0 133.4





#47

Bromodichloromethane

Concen: 54.811 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

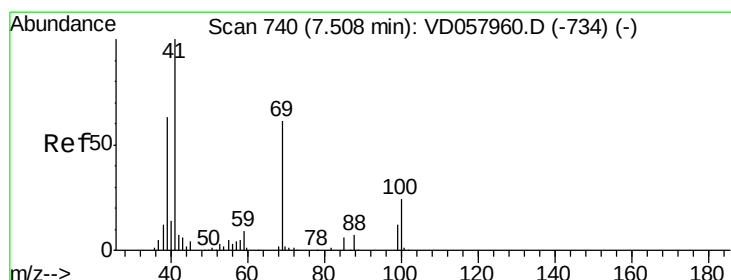
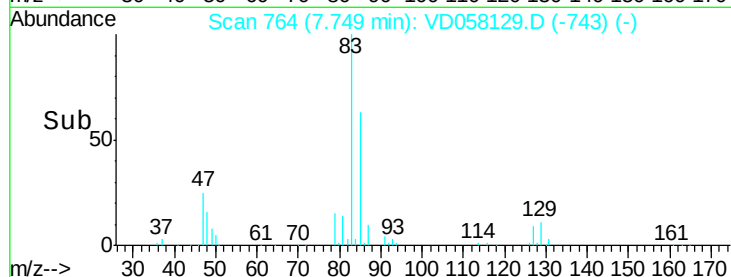
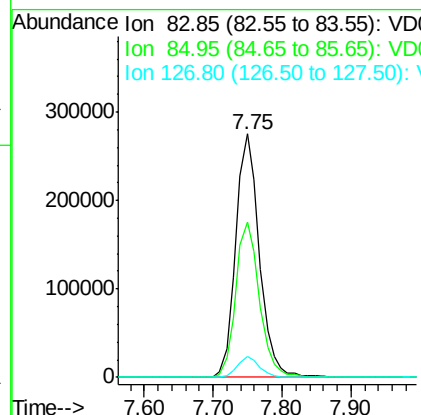
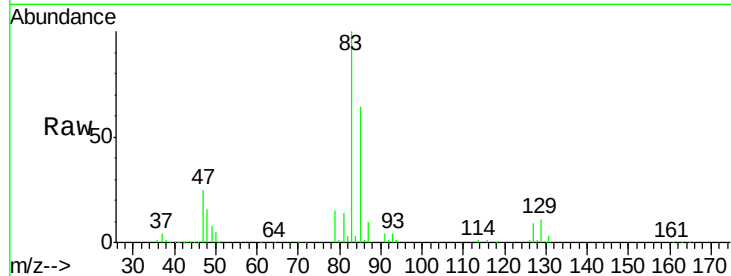
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	654195
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.1	73.7
127	8.6	6.2	9.2

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#48

Methyl methacrylate

Concen: 50.628 ug/l

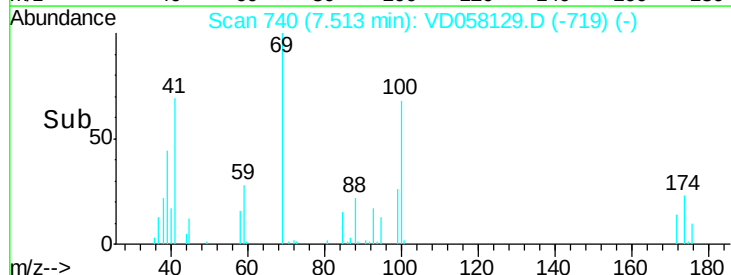
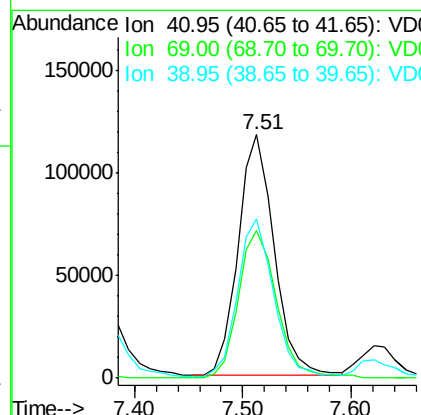
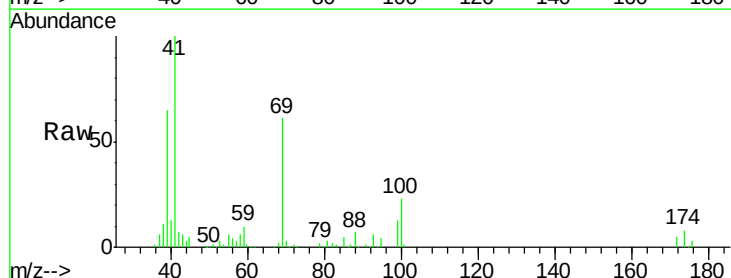
RT: 7.51 min Scan# 740

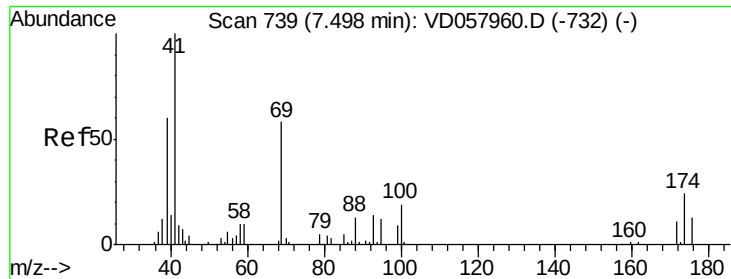
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	41	Resp:	272193
Ion Ratio	Lower	Upper	
41	100		
69	60.9	48.0	72.0
39	65.3	50.7	76.1





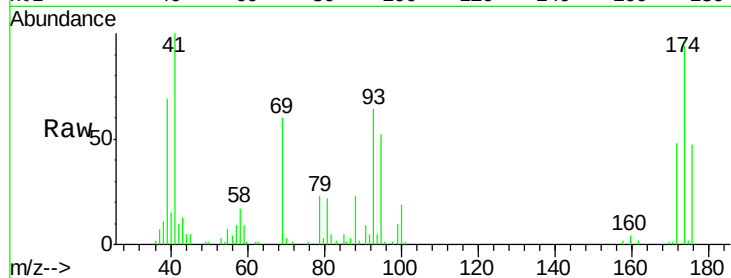
#49
1,4-Dioxane
Concen: 1060.350 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

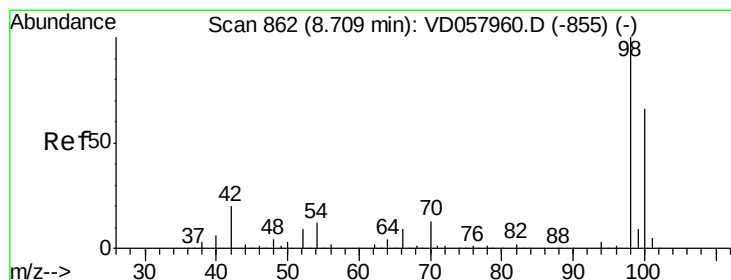
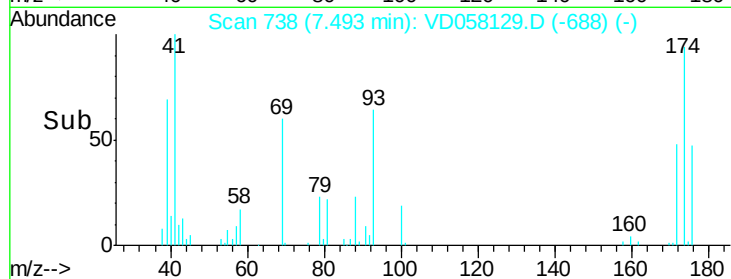
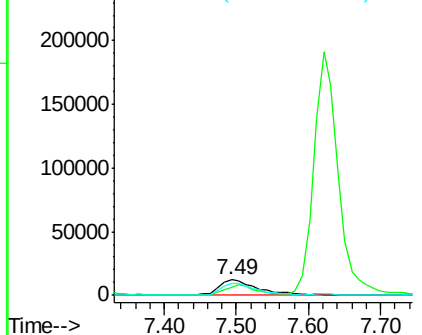
Tot Ion	88	Resp	47227
Ion Ratio	100	Lower	Upper
43	55.4	46.6	69.8
58	74.7	63.6	95.4

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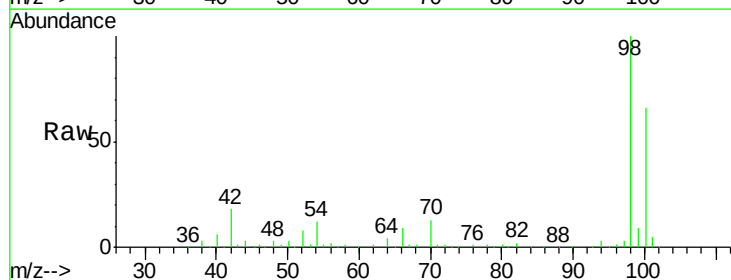


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

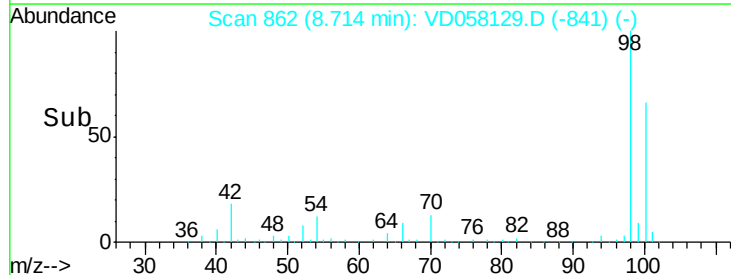
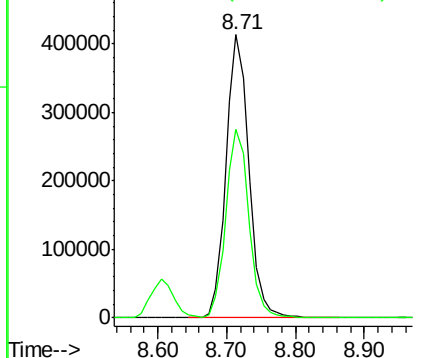


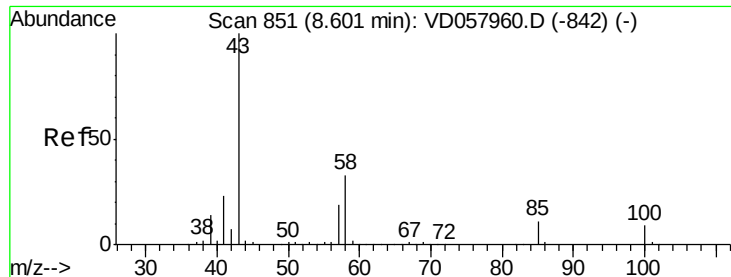
#50
Toluene-d8
Concen: 1060.350 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	98	Resp	949456
Ion Ratio	100	Lower	Upper
98	100	53.4	80.0
100	66.5	53.4	80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 252.576 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1415124

Ion Ratio Lower Upper

43 100

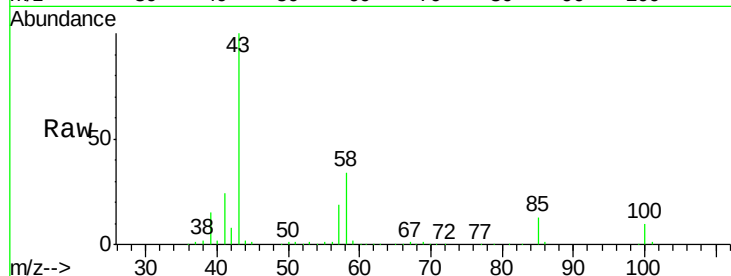
58 34.3 26.2 39.4

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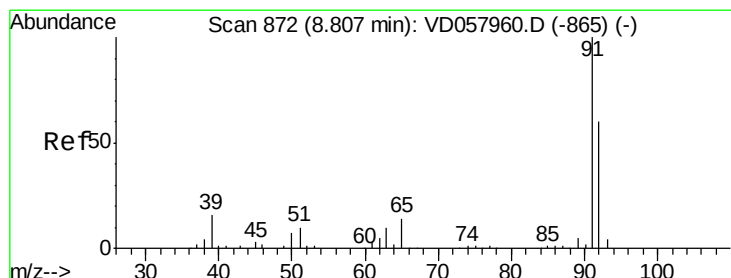
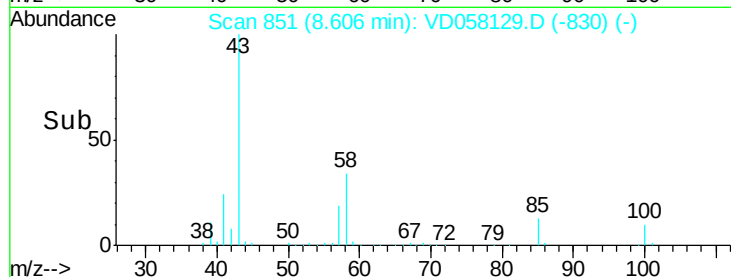
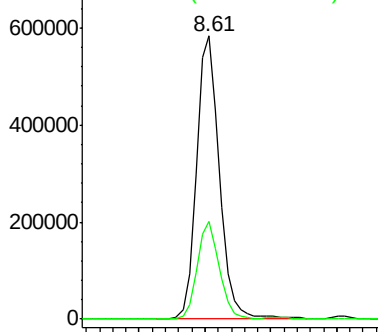
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.054 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058129.D

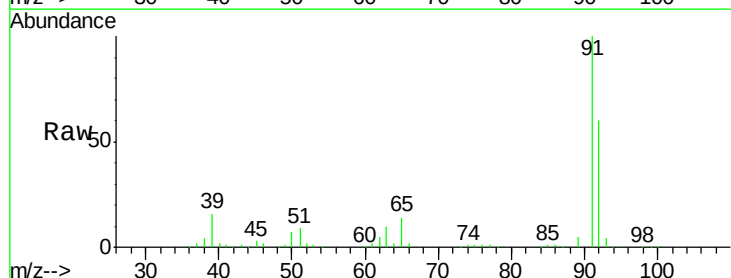
Acq: 14 Jun 2018 11:49

Tgt Ion: 92 Resp: 803783

Ion Ratio Lower Upper

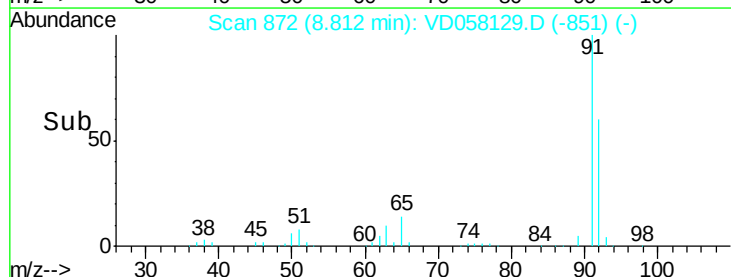
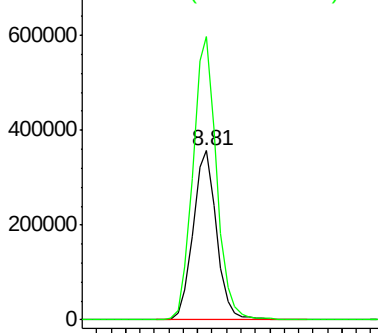
92 100

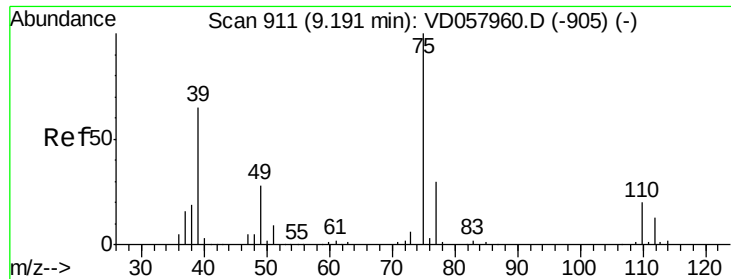
91 167.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





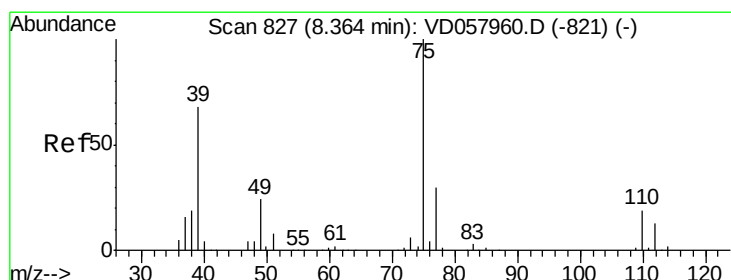
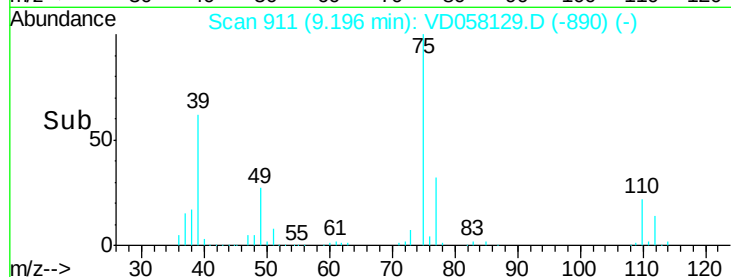
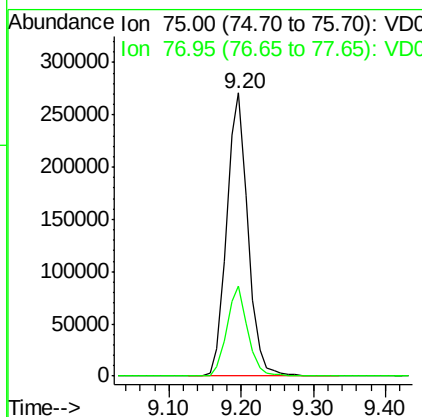
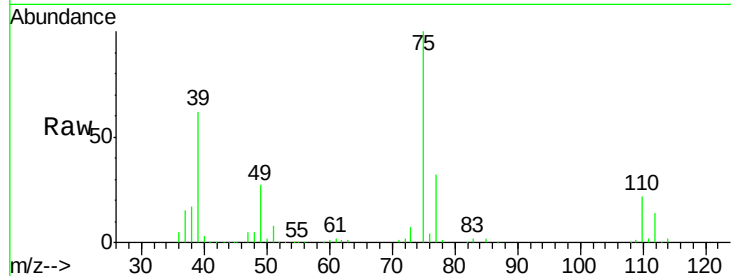
#53
t-1,3-Dichloropropene
Concen: 53.609 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 551259
Ion Ratio Lower Upper
75 100
77 32.0 24.3 36.5

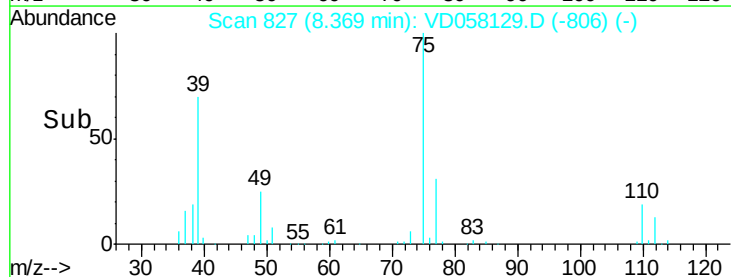
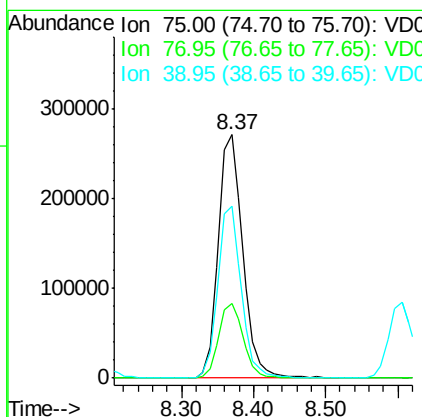
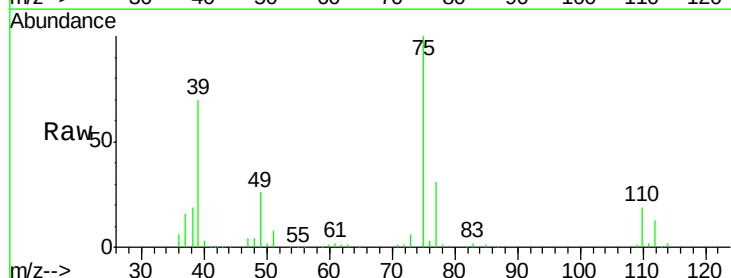
Manual Integrations
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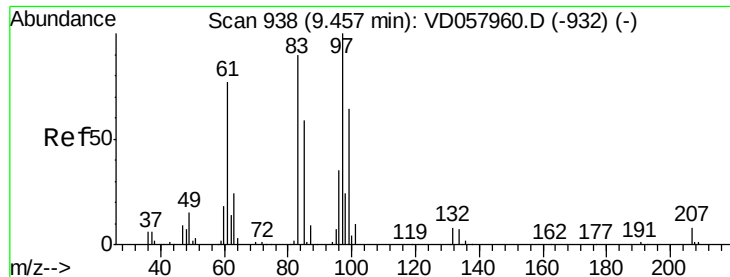
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#54
cis-1,3-Dichloropropene
Concen: 52.180 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 75 Resp: 632141
Ion Ratio Lower Upper
75 100
77 30.7 24.1 36.1
39 70.4 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 54.290 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

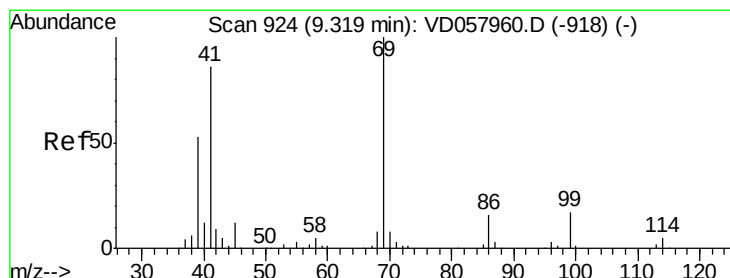
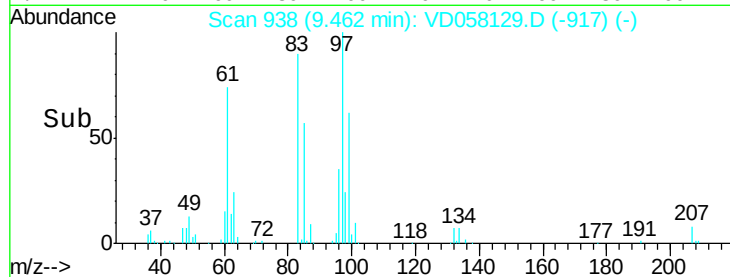
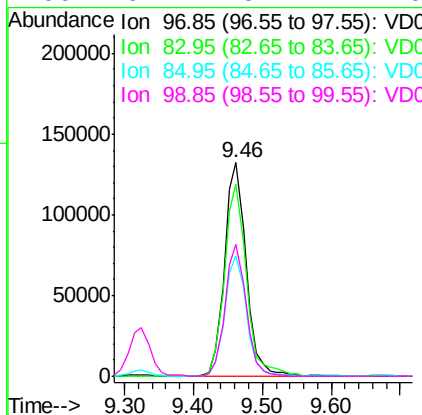
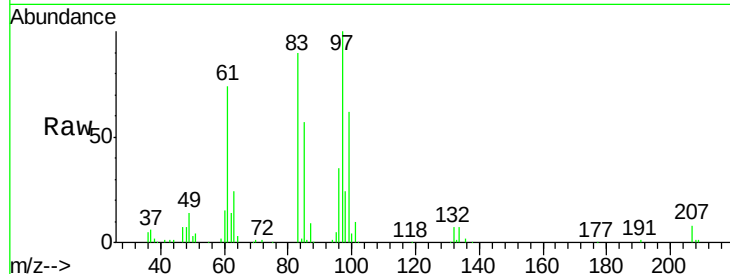
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	287902
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.8	107.8
85	56.6	47.2	70.8
99	61.7	51.4	77.0

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#56

Ethyl methacrylate

Concen: 54.846 ug/l

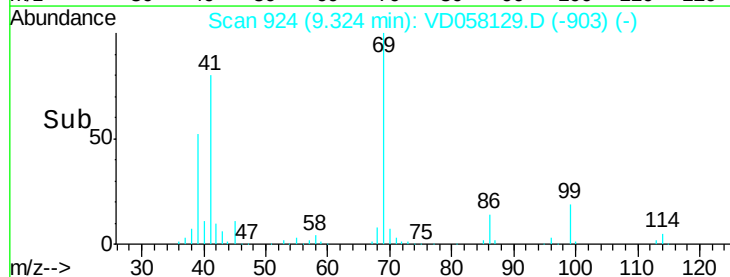
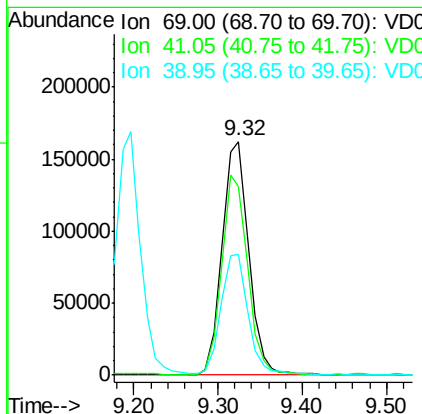
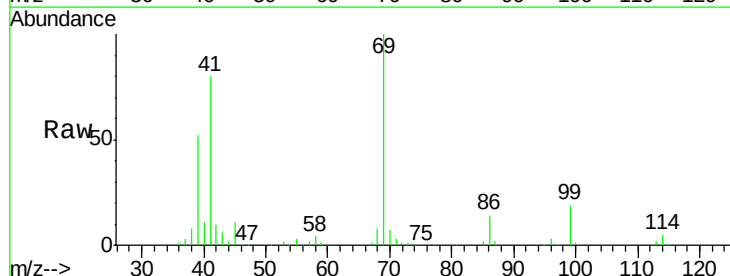
RT: 9.32 min Scan# 924

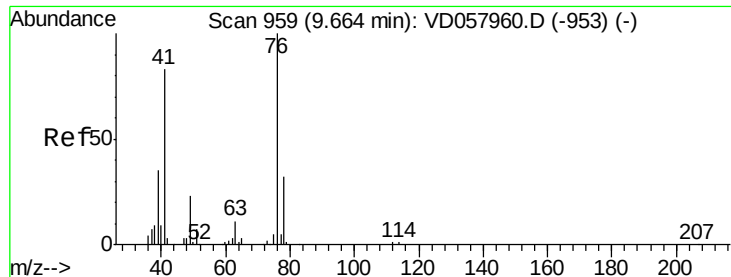
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	69	Resp:	356777
Ion	Ratio	Lower	Upper
69	100		
41	80.4	68.4	102.6
39	51.8	43.0	64.4





#57

1,3-Dichloropropane

Concen: 54.461 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 506544

Ion Ratio Lower Upper

76 100

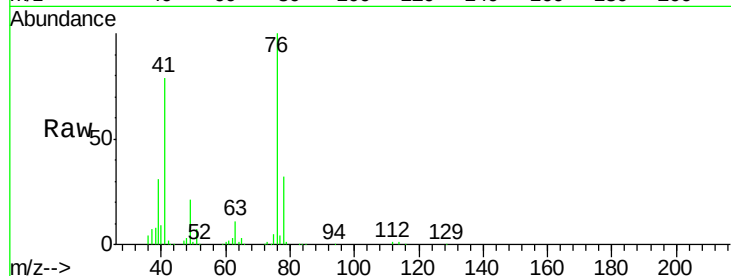
78 31.8 25.4 38.2

Manual Integrations

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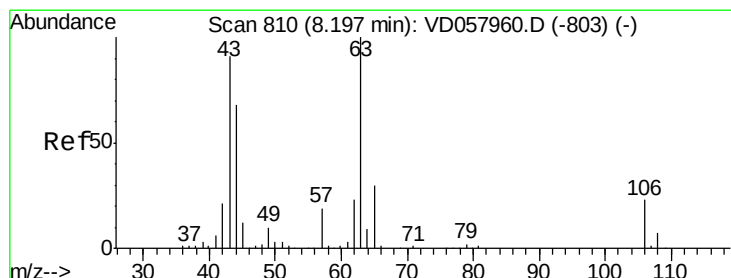
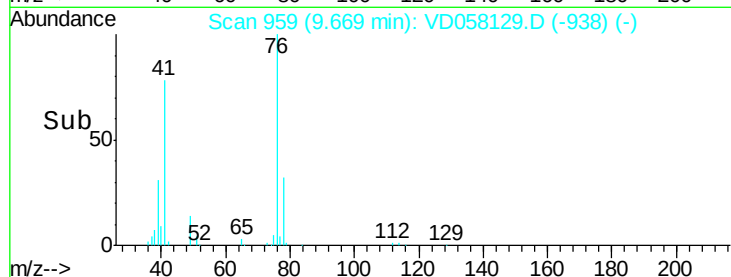
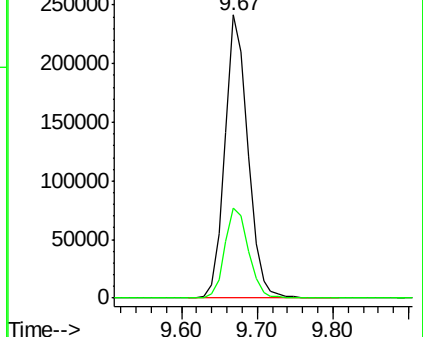
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.447 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD058129.D

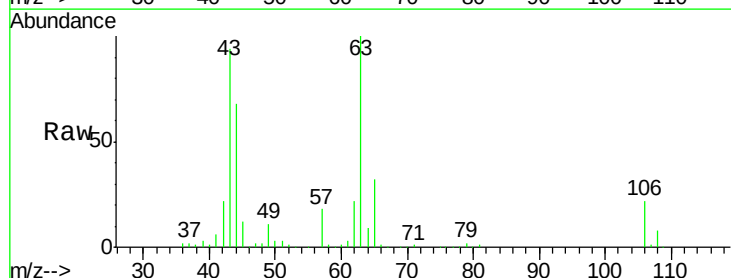
Acq: 14 Jun 2018 11:49

Tgt Ion: 63 Resp: 859255

Ion Ratio Lower Upper

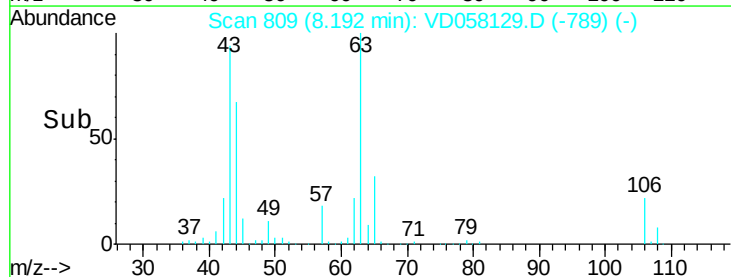
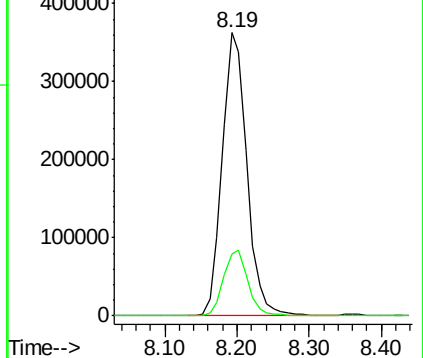
63 100

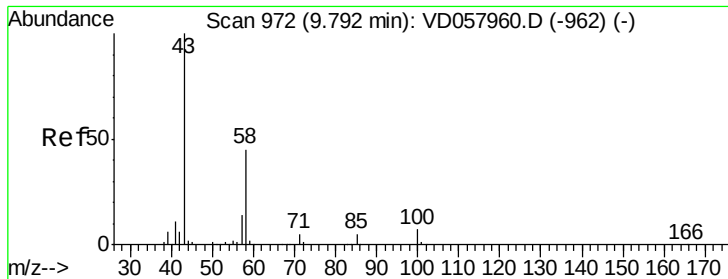
106 22.1 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 266.274 ug/l

RT: 9.80 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tot Ion: 43 Resp: 1093300

Ion Ratio Lower Upper

43 100

58 44.7 22.5 67.5

Instrument :

MSVOA_D

ClientSampleId :

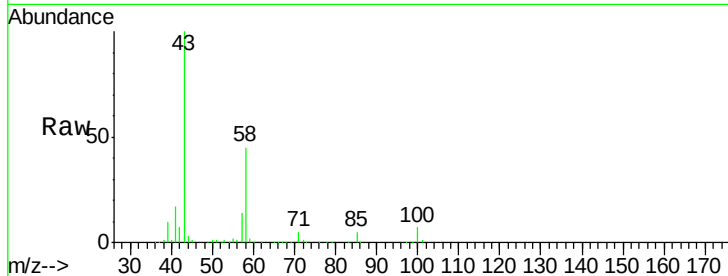
VSTDCCC050

Manual Integrations

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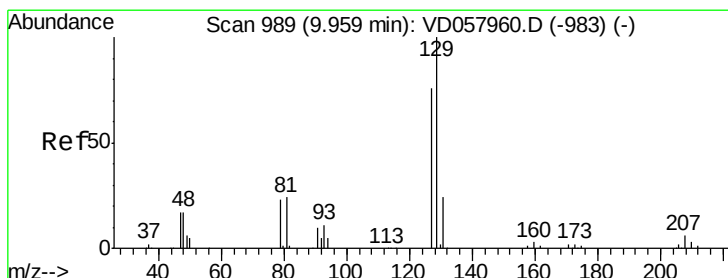
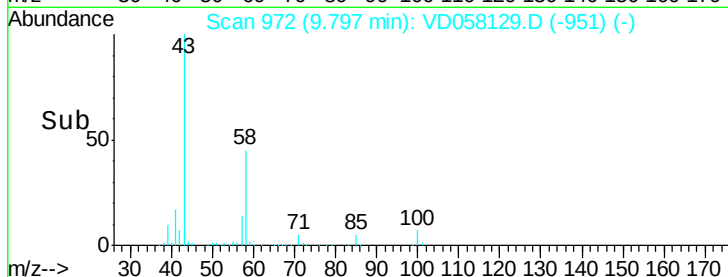
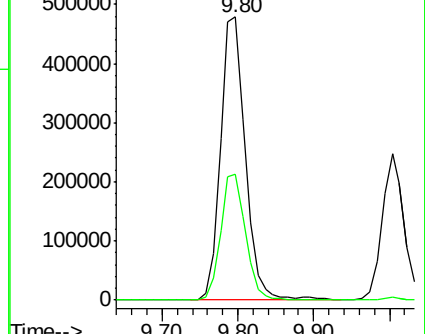
apatel

6/15/2018 10:29:23 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.484 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058129.D

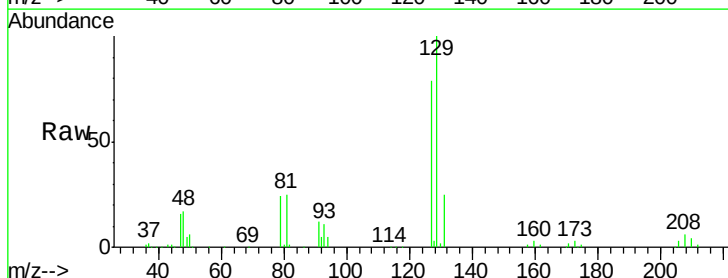
Acq: 14 Jun 2018 11:49

Tgt Ion:129 Resp: 399957

Ion Ratio Lower Upper

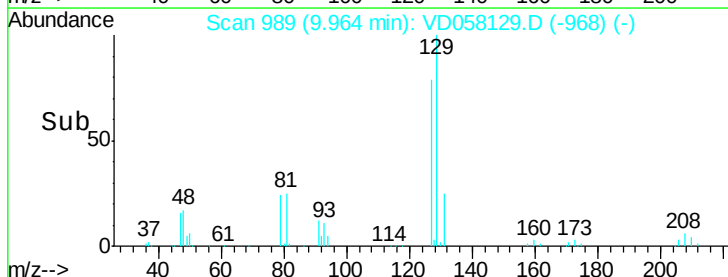
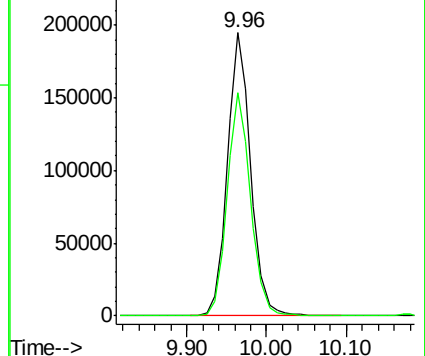
129 100

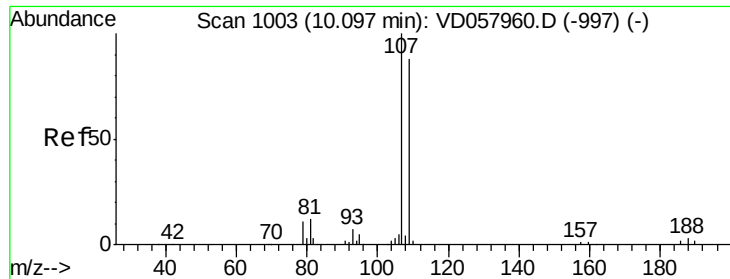
127 78.7 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.965 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 316913

Ion Ratio Lower Upper

107 100

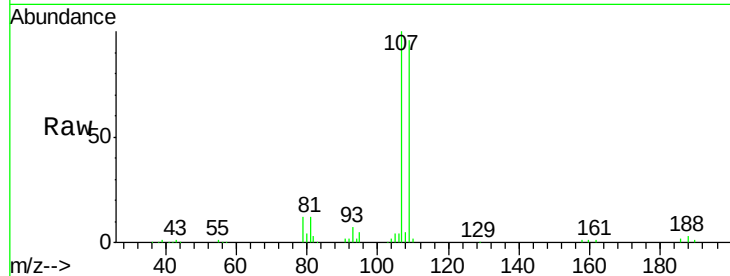
109 96.1 70.6 106.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

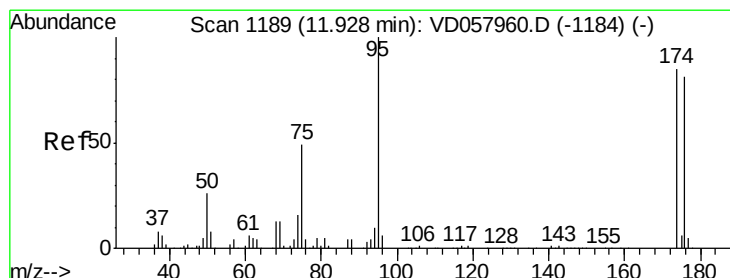
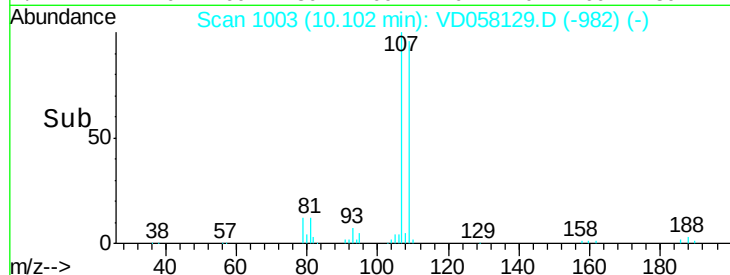
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.965 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

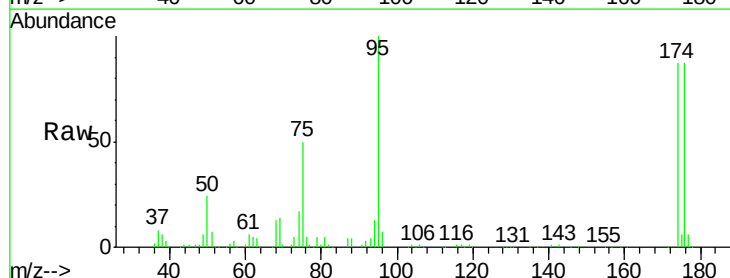
Tgt Ion: 95 Resp: 410594

Ion Ratio Lower Upper

95 100

174 87.5 0.0 169.4

176 86.9 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

400000

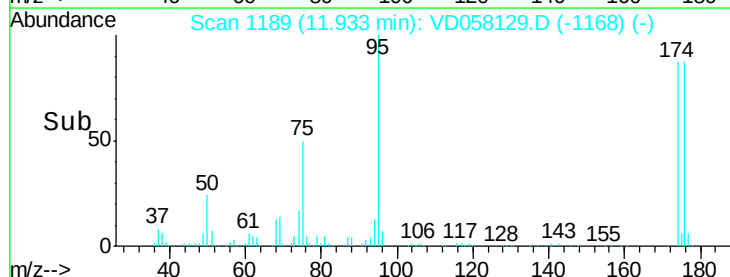
300000

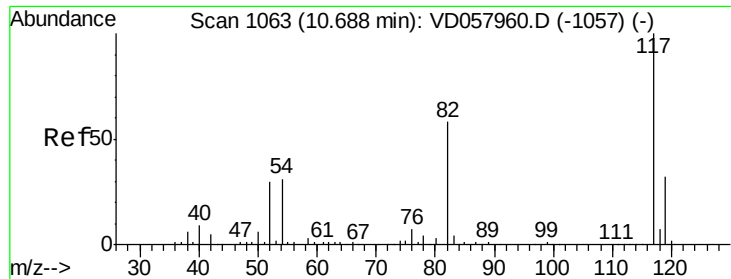
200000

100000

0

Time-->





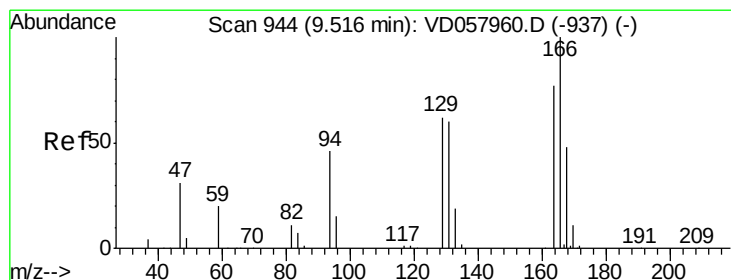
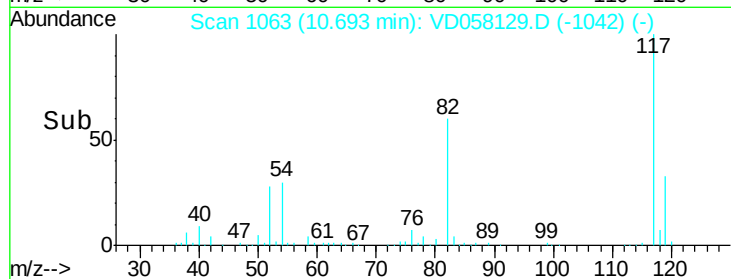
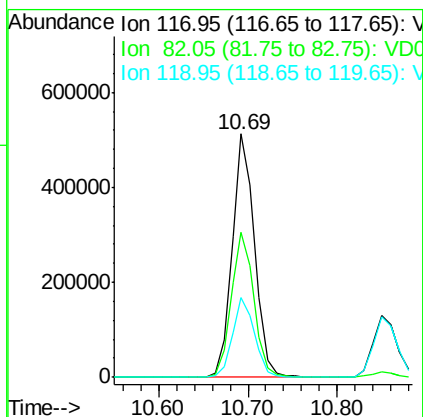
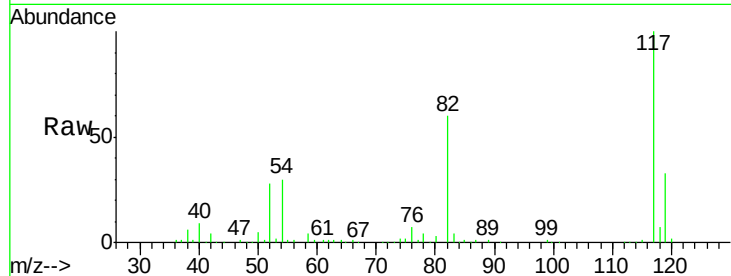
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	905890		
82	59.8	46.8	70.2	
119	32.5	25.8	38.6	

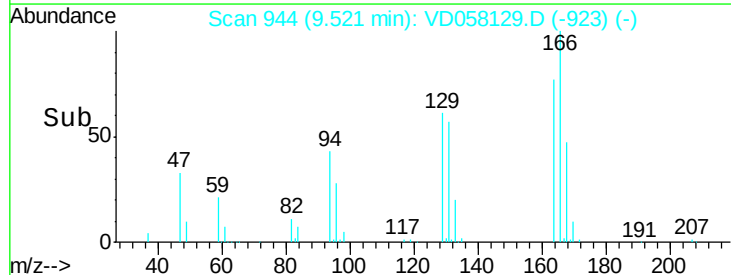
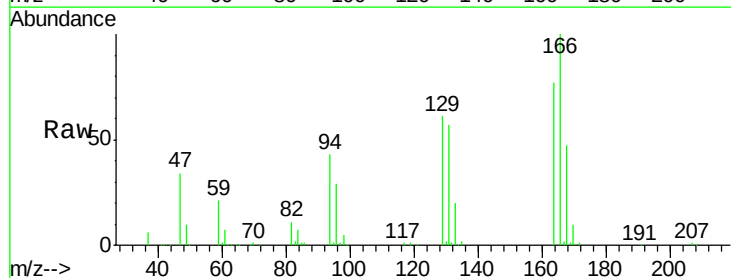
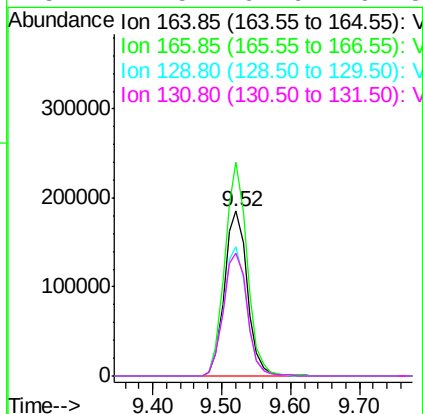
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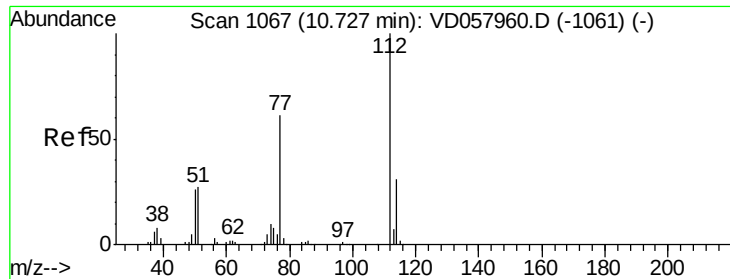
apatel
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#64
Tetrachloroethene
Concen: 52.629 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	426225		
166	129.7	104.4	156.6	
129	78.6	65.0	97.6	
131	74.5	62.9	94.3	





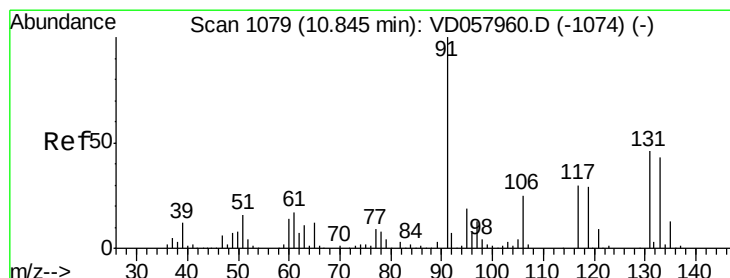
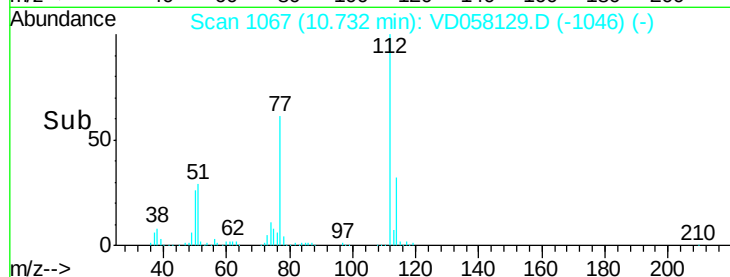
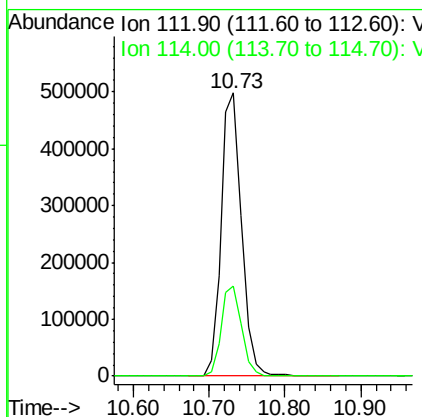
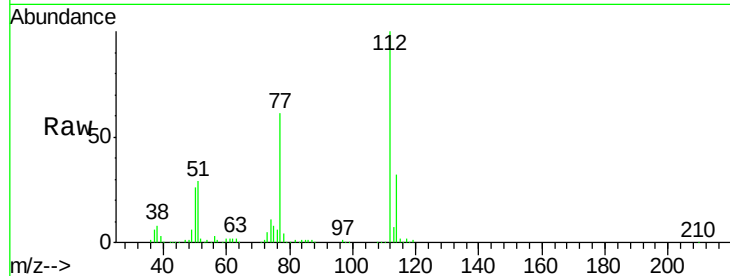
#65
Chlorobenzene
Concen: 50.983 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.9	37.3

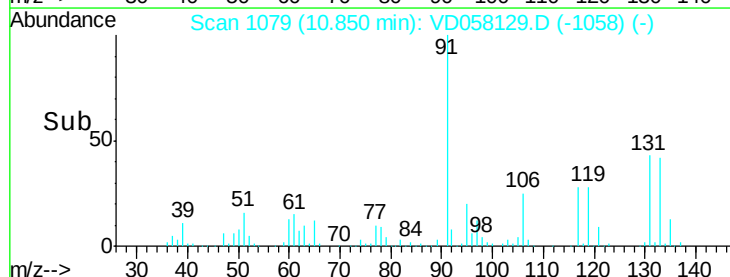
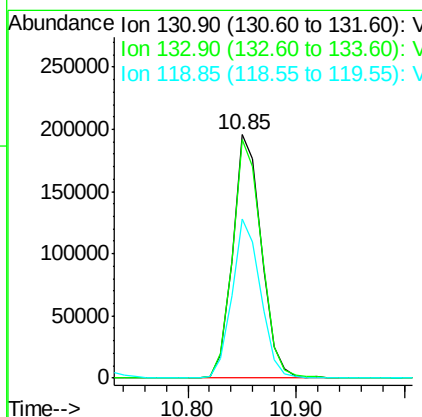
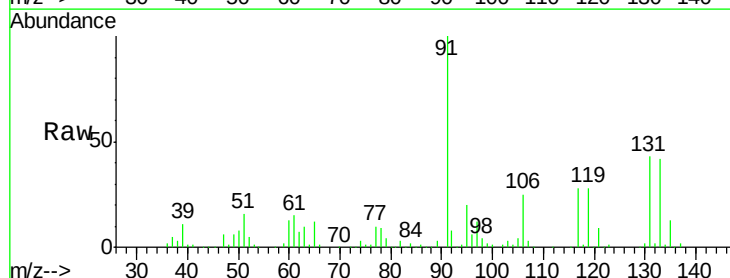
Manual Integrations
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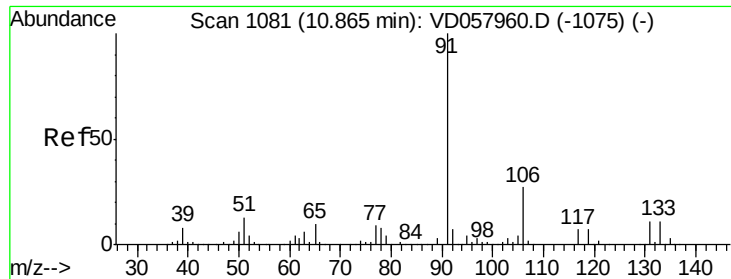
apatel
6/15/2018 10:29:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.050 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	46.9	140.6
119	65.5	31.8	95.3





#67

Ethyl Benzene

Concen: 49.130 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1627777

Ion Ratio Lower Upper

91 100

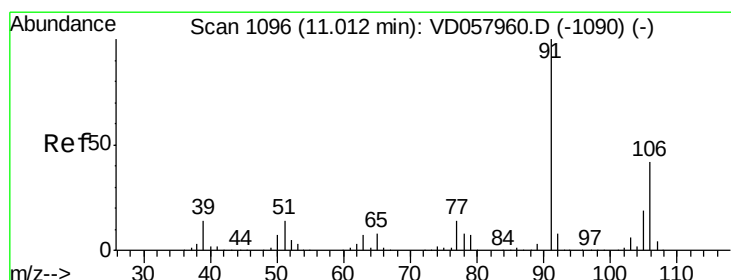
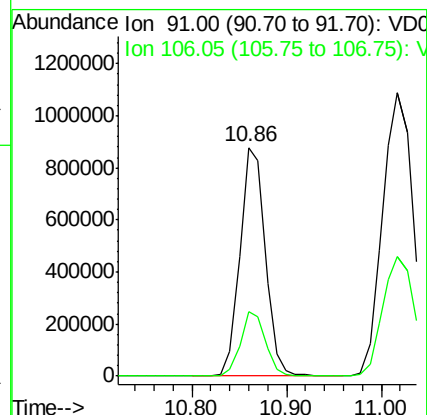
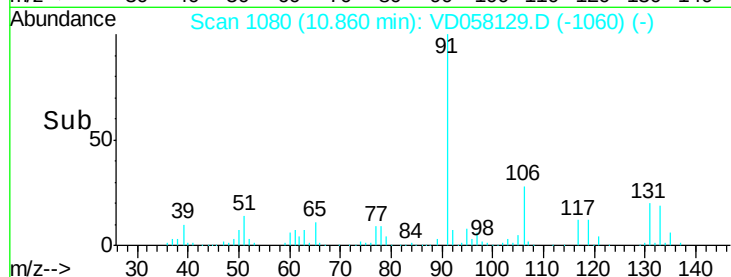
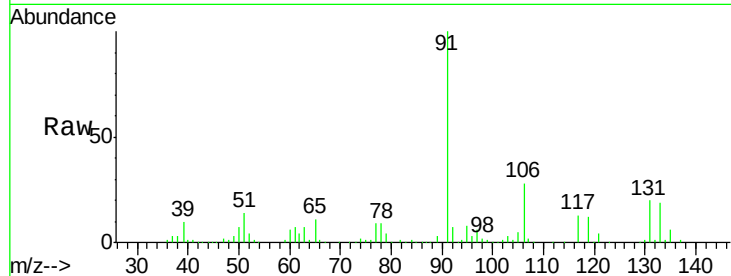
106 28.1 21.5 32.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.202 ug/l

RT: 11.02 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058129.D

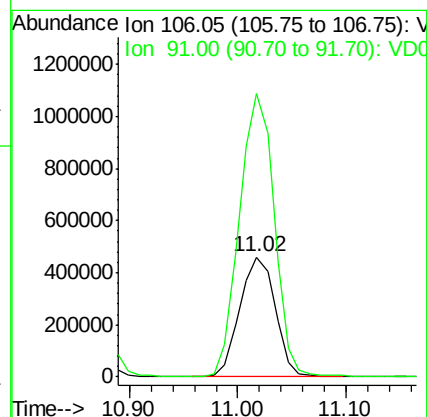
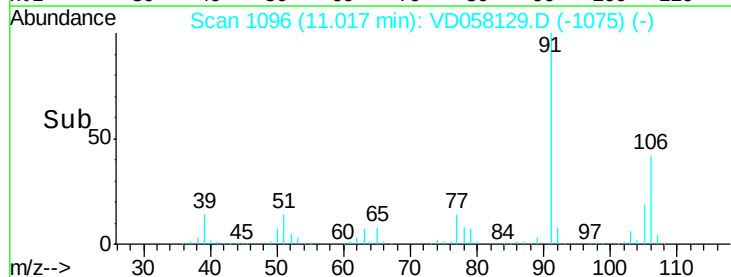
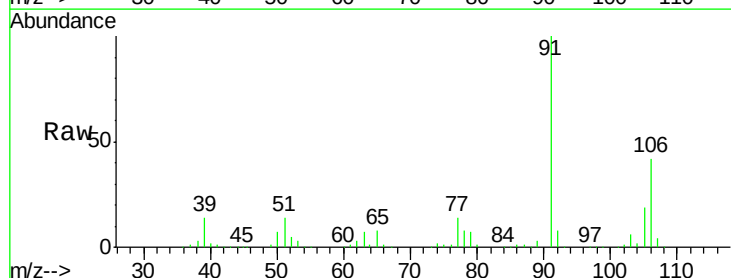
Acq: 14 Jun 2018 11:49

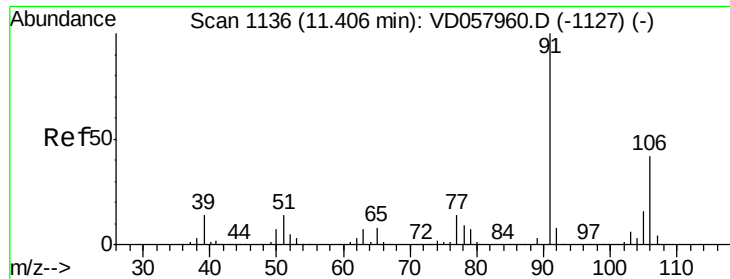
Tgt Ion:106 Resp: 1049875

Ion Ratio Lower Upper

106 100

91 236.1 190.4 285.6





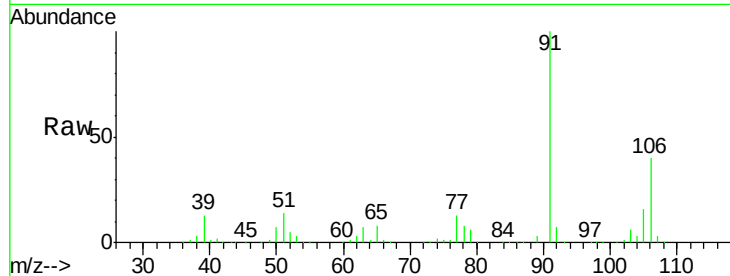
#69
o-Xylene
Concen: 48.818 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

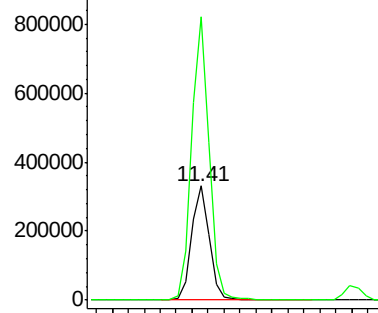
Tot Ion:106 Resp: 523383
Ion Ratio Lower Upper
106 100
91 247.6 120.6 361.7

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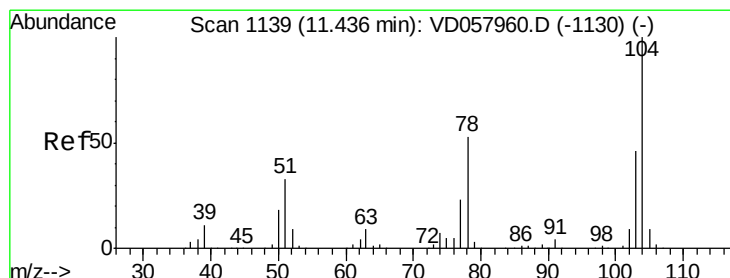
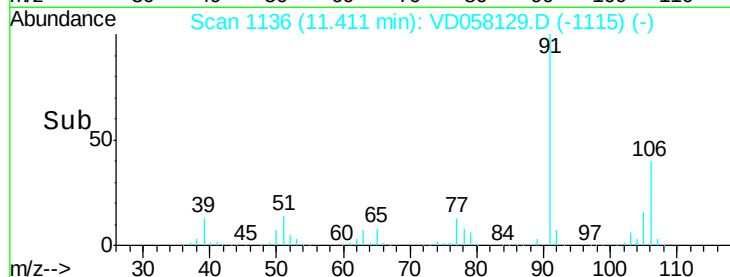
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

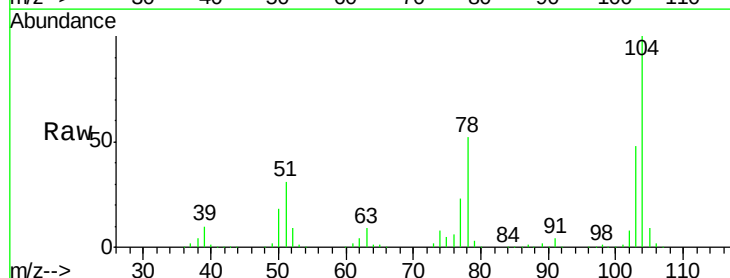


Time-->

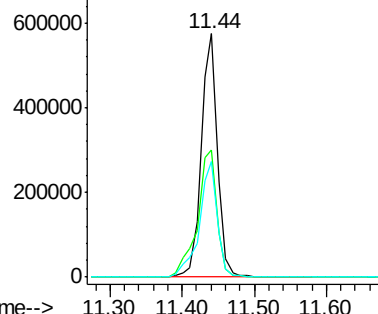


#70
Styrene
Concen: 50.221 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

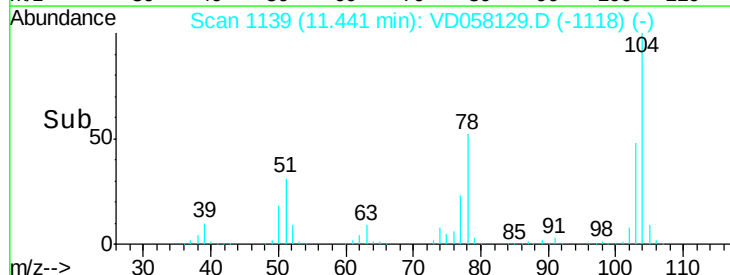
Tgt Ion:104 Resp: 891341
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 47.7 37.0 55.6

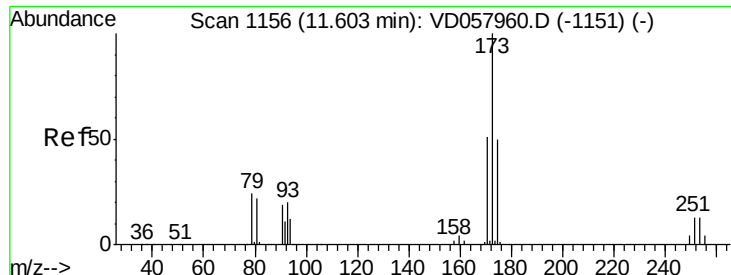


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





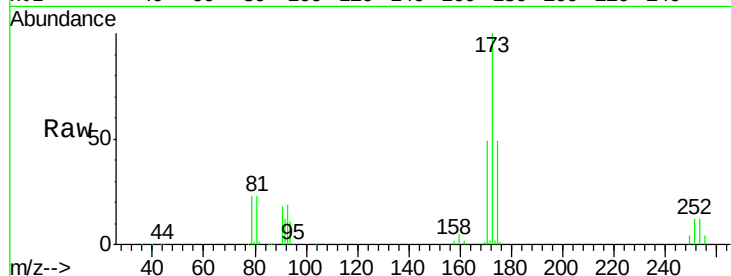
#71
Bromoform
Concen: 53.991 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	25.1	75.2
254	11.9	10.7	16.1

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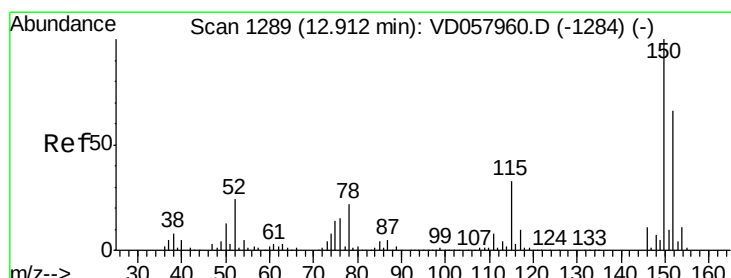
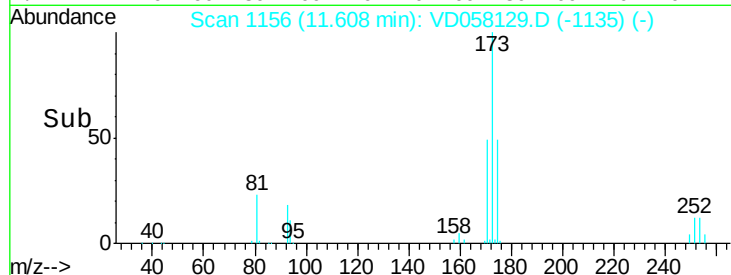
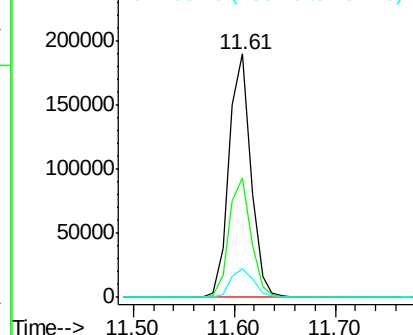


Abundance

Ion 172.80 (172.50 to 173.50): V

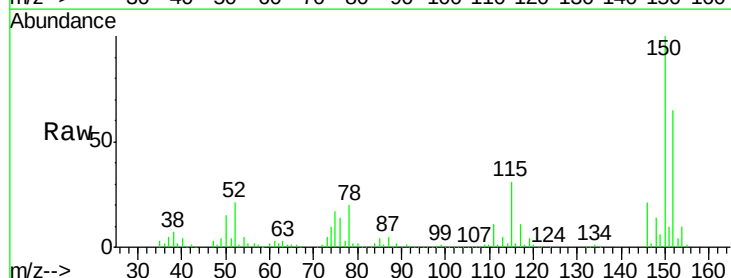
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.1	25.6	76.6
150	153.9	0.0	306.8

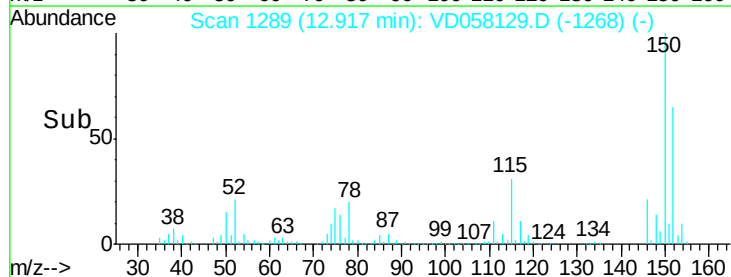
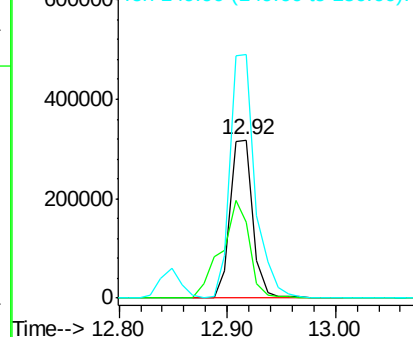


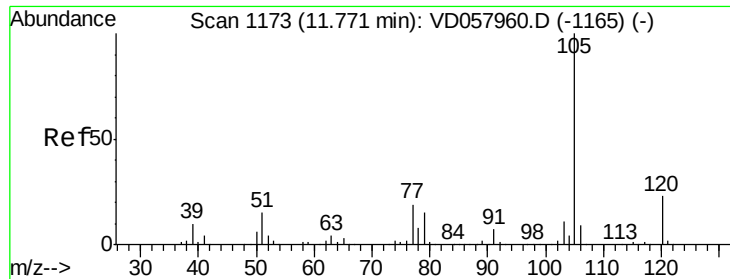
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.703 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1534122

Ion Ratio Lower Upper

105 100

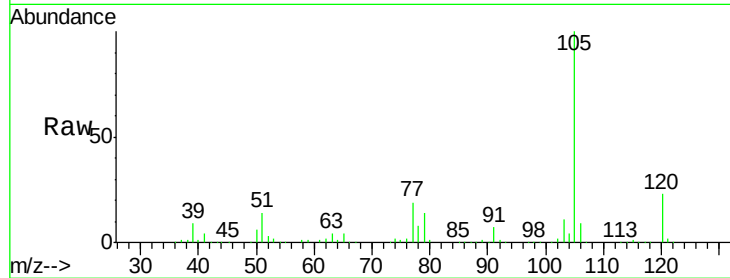
120 22.6 11.3 33.9

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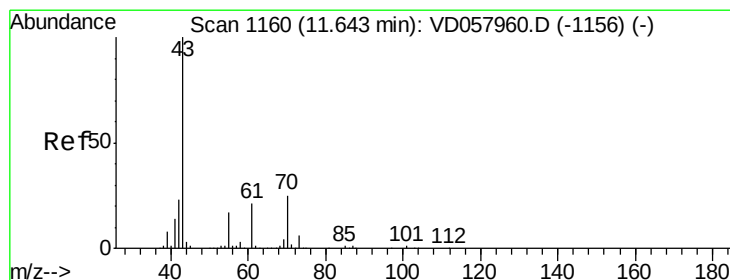
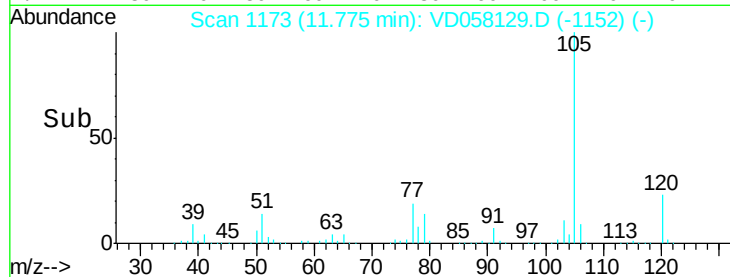
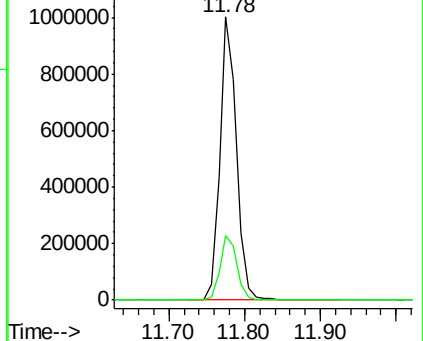
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.461 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion: 43 Resp: 577181

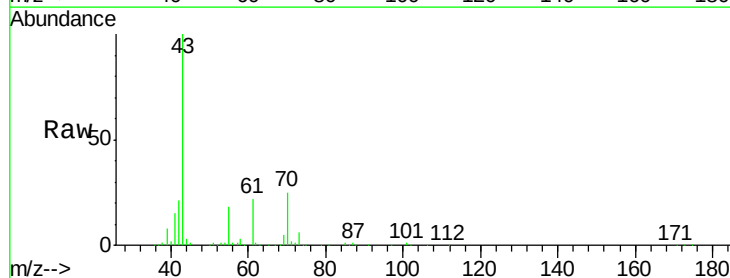
Ion Ratio Lower Upper

43 100

70 25.1 20.3 30.5

55 18.0 13.9 20.9

61 22.4 16.6 24.8

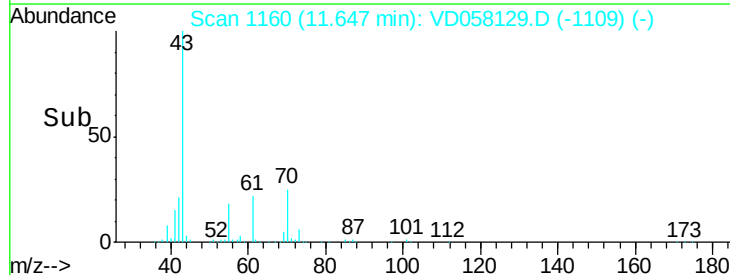
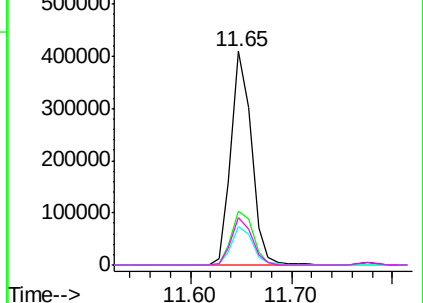


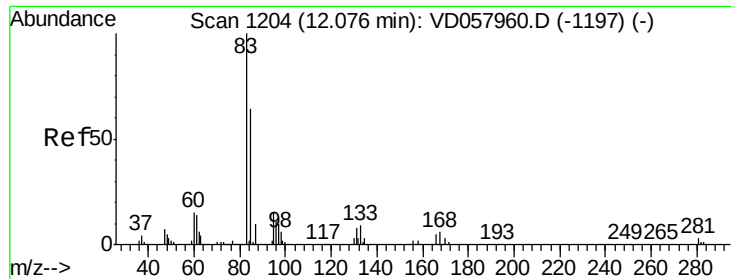
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.052 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

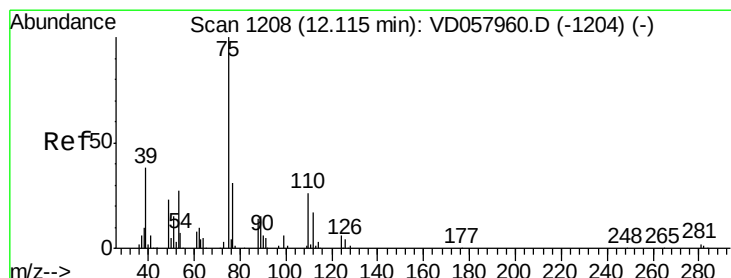
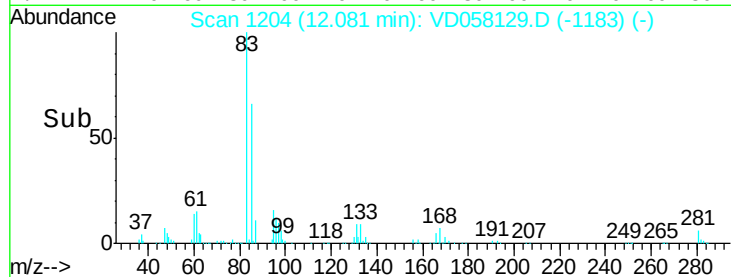
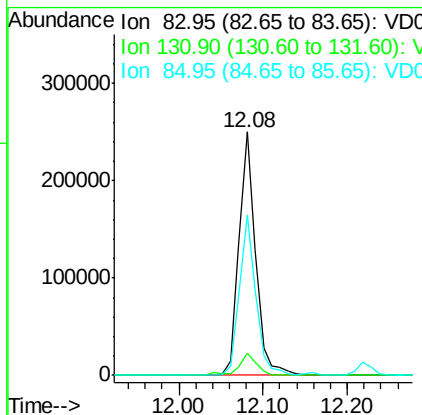
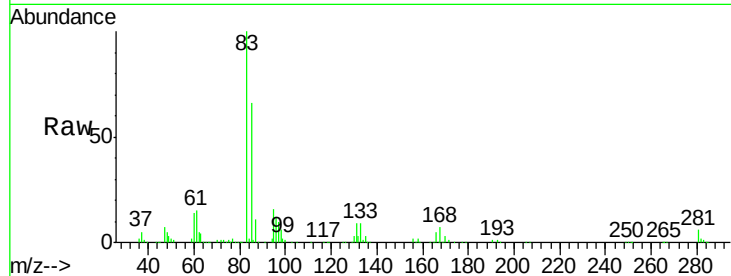
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	343556
Ion Ratio		Lower	Upper
83	100		
131	9.1	4.2	12.6
85	65.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 54.336 ug/l

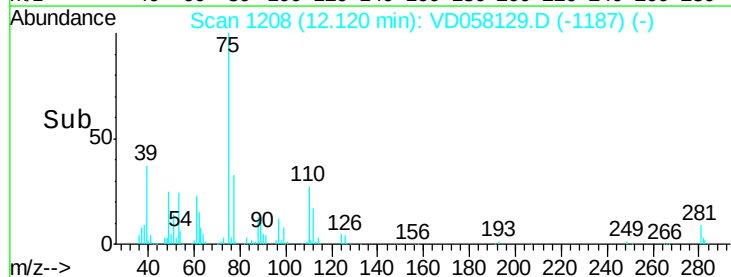
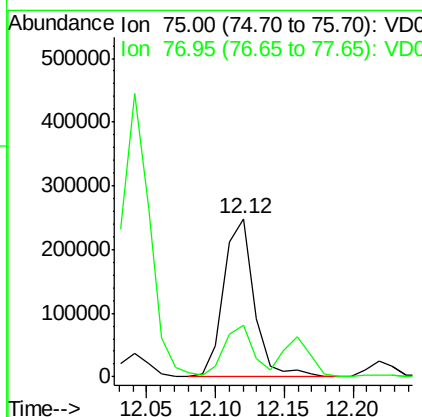
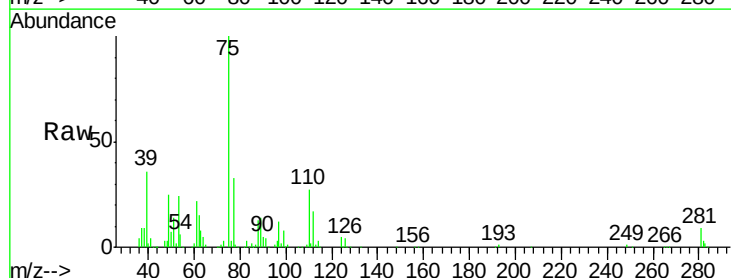
RT: 12.12 min Scan# 1208

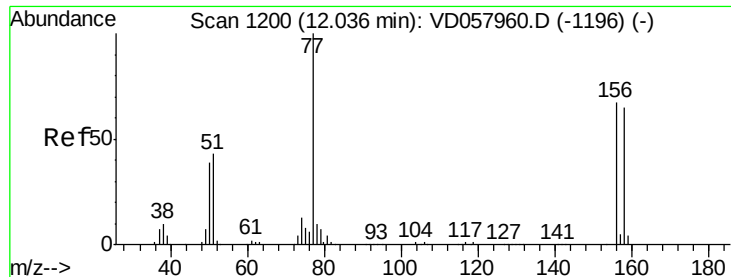
Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Tgt Ion:	75	Resp:	380354
Ion Ratio		Lower	Upper
75	100		
77	32.6	16.7	50.1





#77

Bromobenzene

Concen: 49.943 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

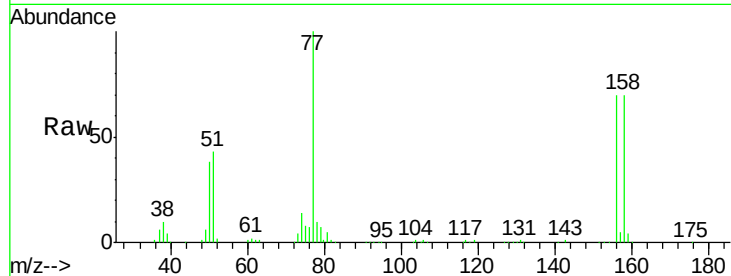
ClientSampleId :

VSTDCCC050

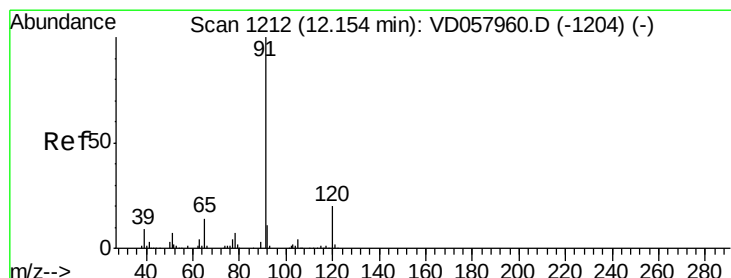
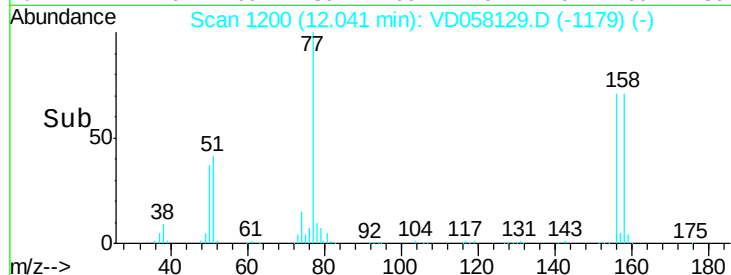
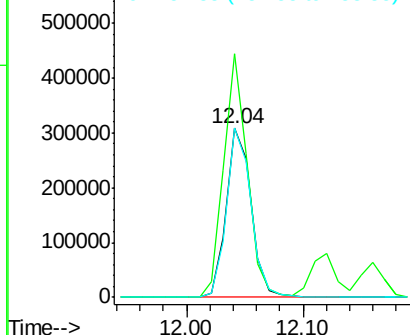
Tot Ion:	156	Resp:	456299
Ion	Ratio	Lower	Upper
156	100		
77	143.9	75.0	224.8
158	100.2	48.6	145.9

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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.890 ug/l

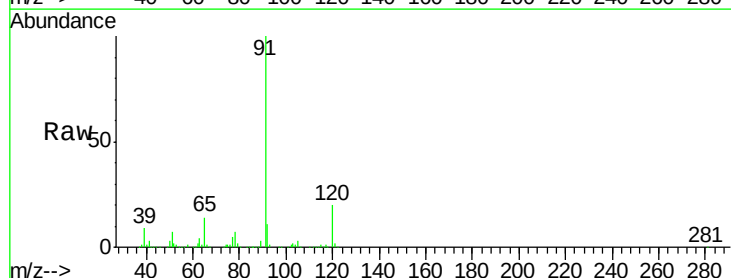
RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

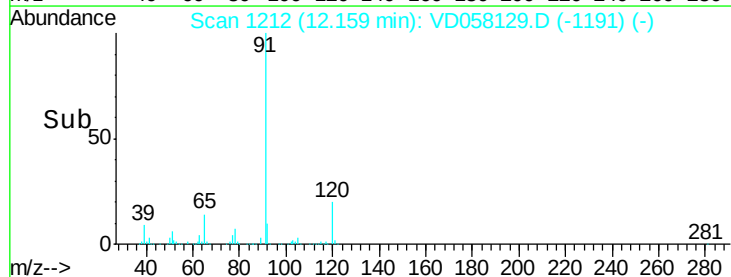
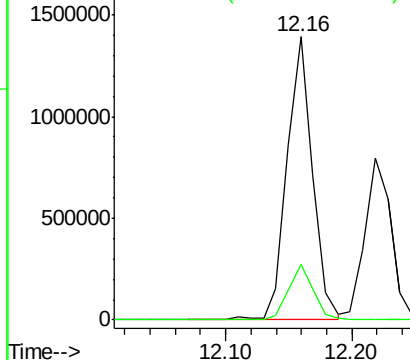
Lab File: VD058129.D

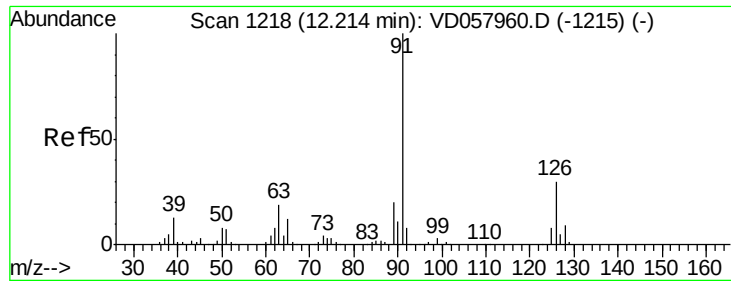
Acq: 14 Jun 2018 11:49

Tgt Ion:	91	Resp:	1963646
Ion	Ratio	Lower	Upper
91	100		
120	19.6	9.8	29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





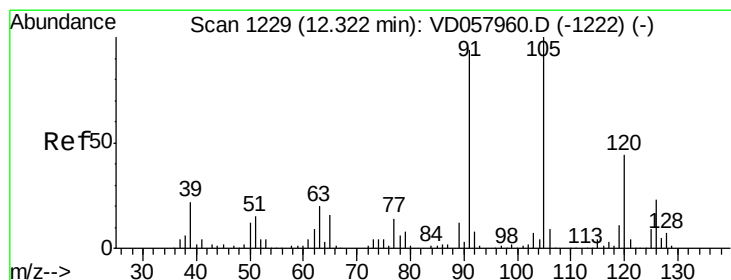
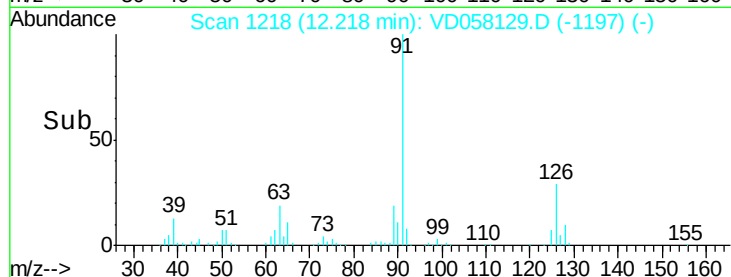
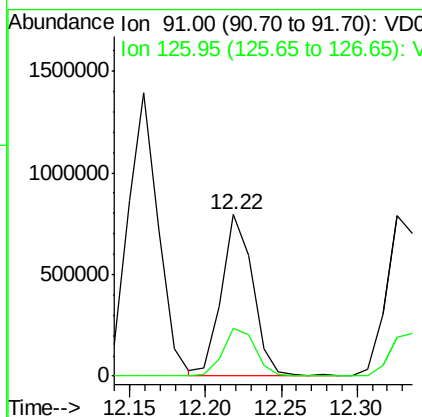
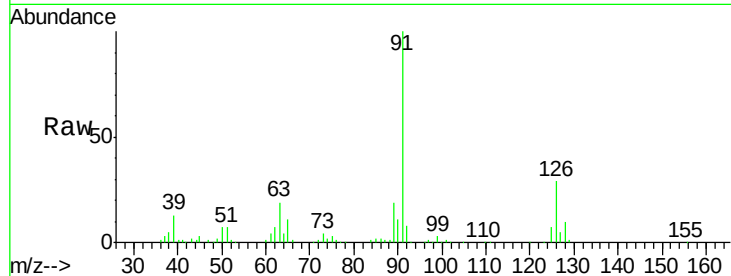
#79
 2-Chlorotoluene
 Concen: 49.632 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1137225
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.6 44.0

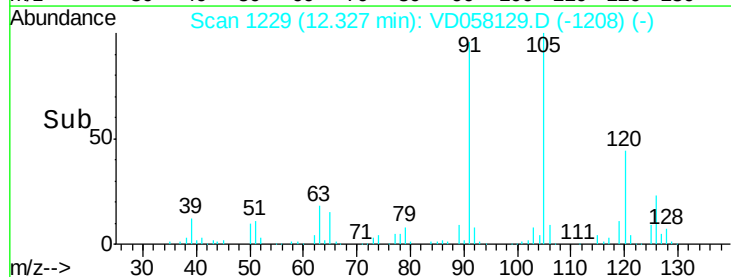
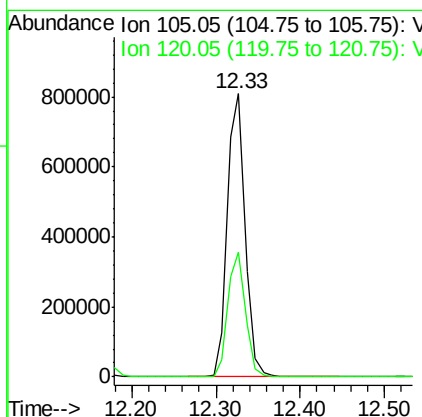
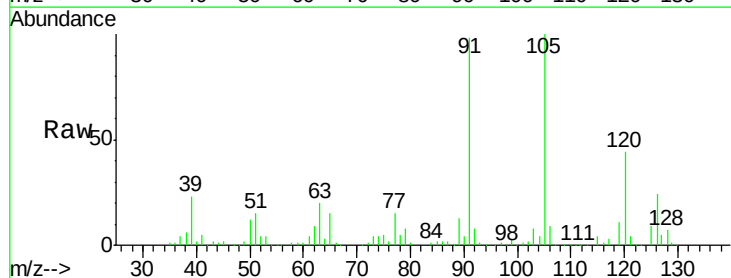
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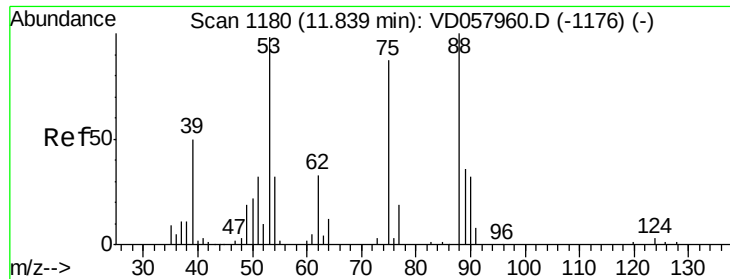
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.101 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion: 105 Resp: 1181906
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.149 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058129.D

Acq: 14 Jun 2018 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 95618

Ion Ratio Lower Upper

75 100

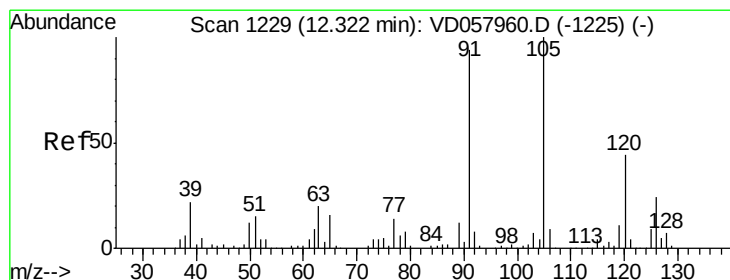
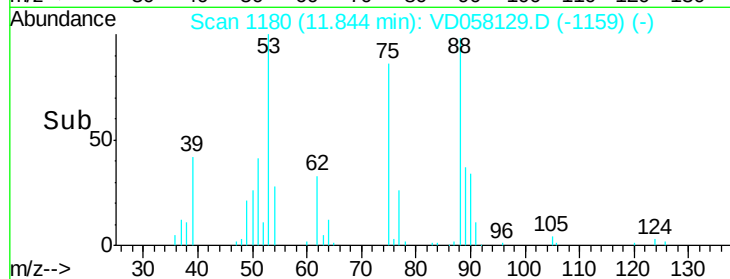
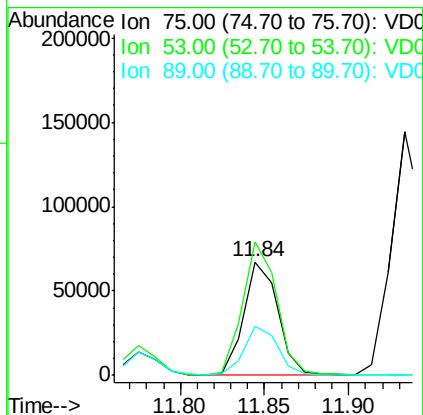
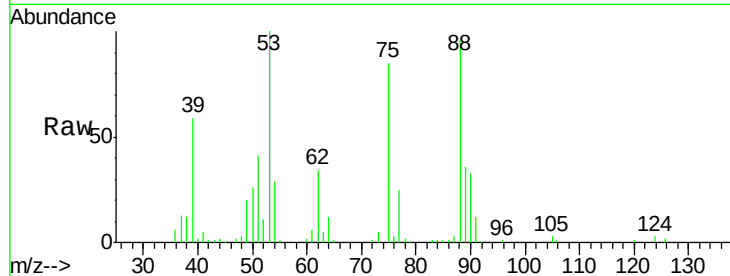
53 118.3 89.3 133.9

89 43.1 33.3 49.9

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#82

4-Chlorotoluene

Concen: 54.896 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058129.D

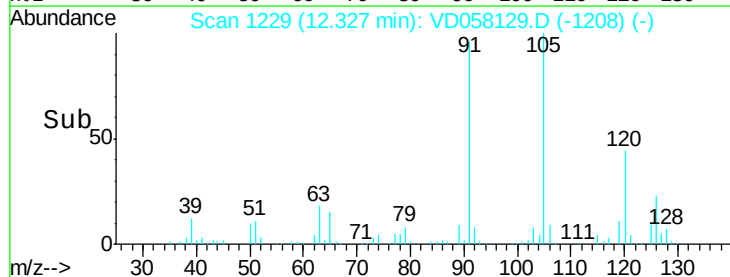
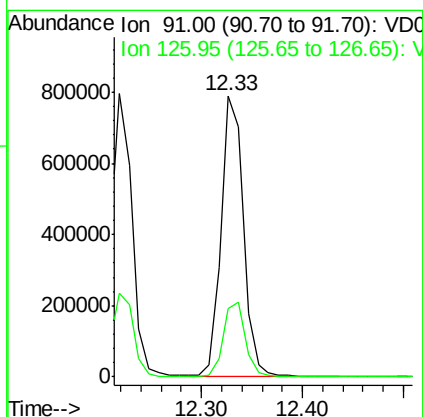
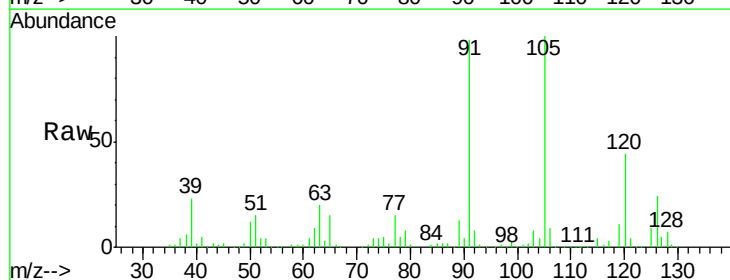
Acq: 14 Jun 2018 11:49

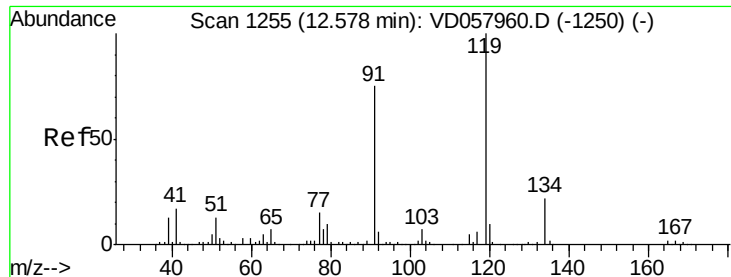
Tgt Ion: 91 Resp: 1216346

Ion Ratio Lower Upper

91 100

126 24.4 12.5 37.5





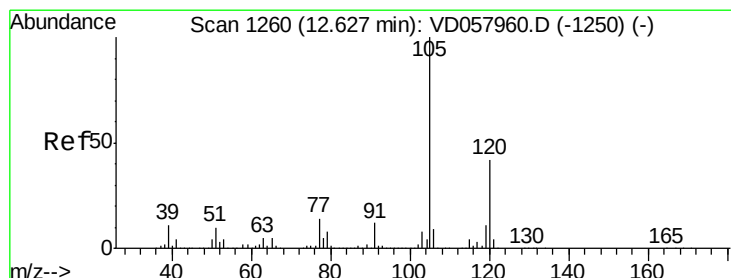
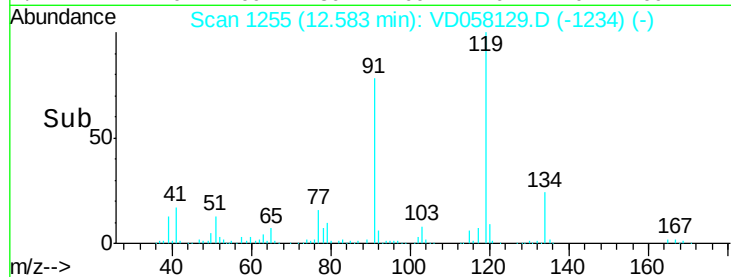
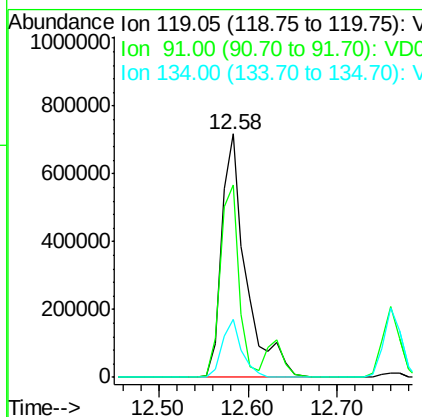
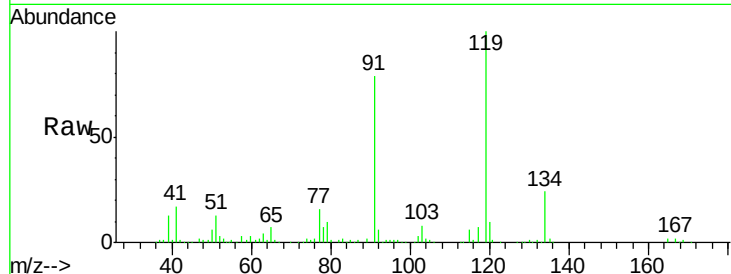
#83
 tert-Butylbenzene
 Concen: 50.619 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1375820
 Ion Ratio Lower Upper
 119 100
 91 79.1 37.6 112.9
 134 23.6 11.2 33.5

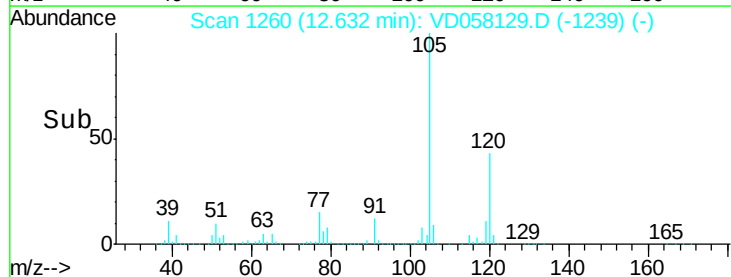
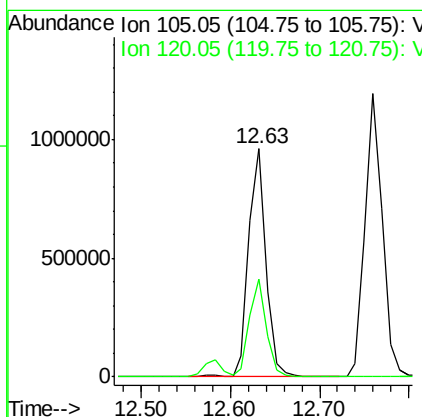
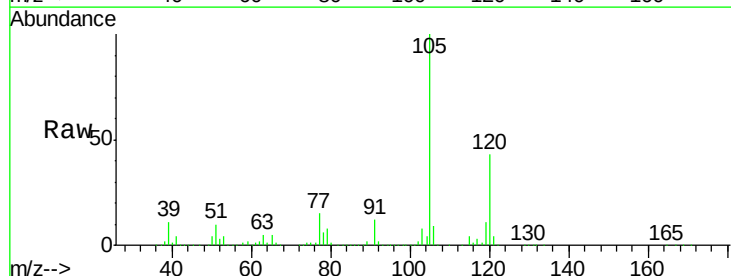
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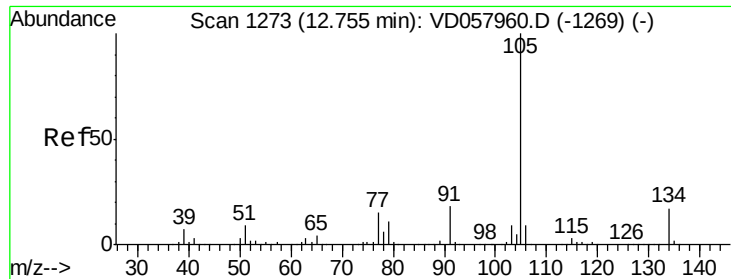
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.701 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion:105 Resp: 1286335
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.2 63.6





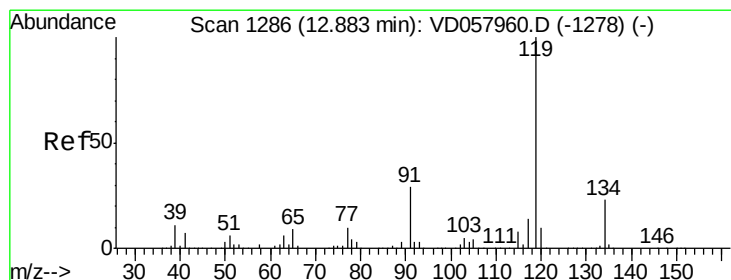
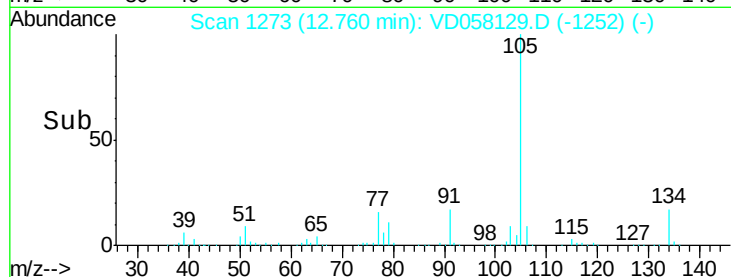
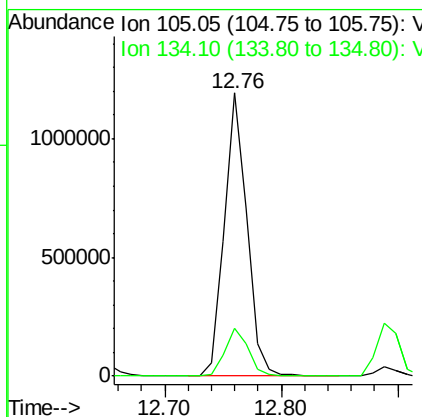
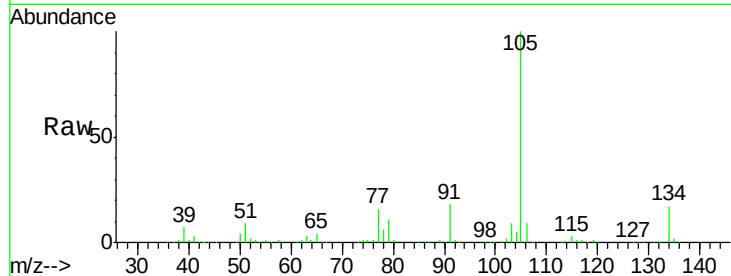
#85
 sec-Butylbenzene
 Concen: 48.726 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1598312
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.3 25.1

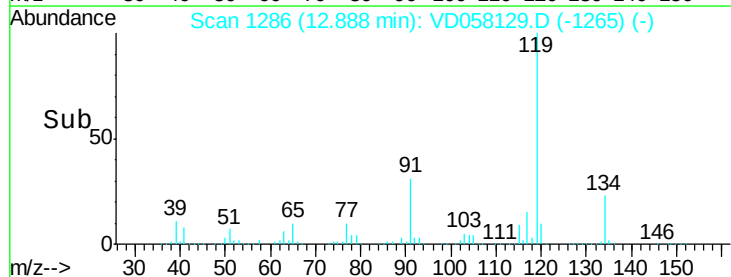
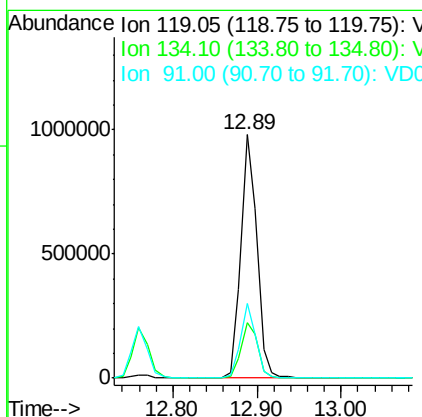
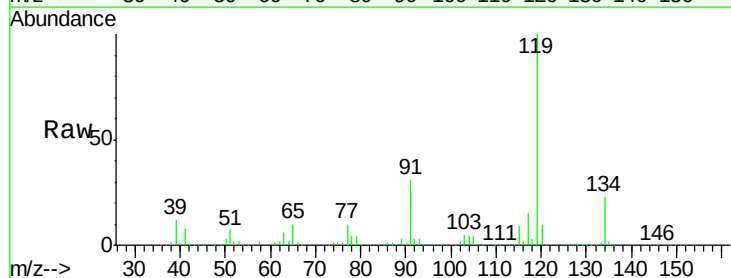
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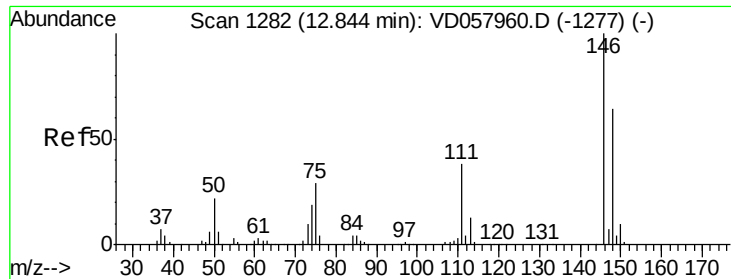
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#86
 p-Isopropyltoluene
 Concen: 49.382 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion:119 Resp: 1305558
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.5 34.4
 91 30.8 14.5 43.6





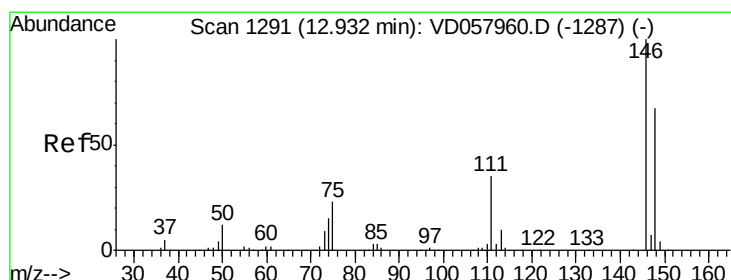
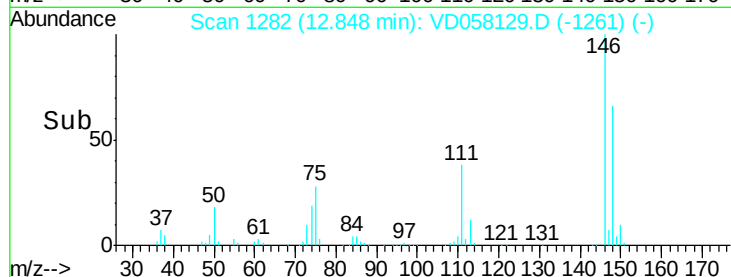
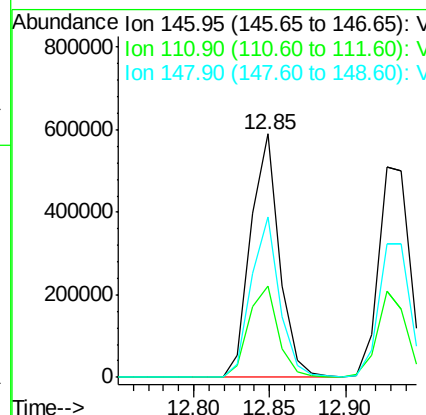
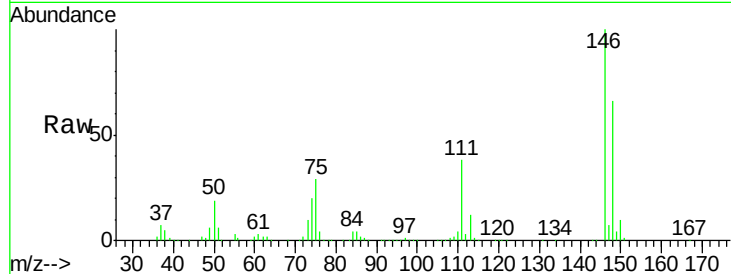
#87
 1,3-Dichlorobenzene
 Concen: 50.602 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	65.7	32.0	96.2

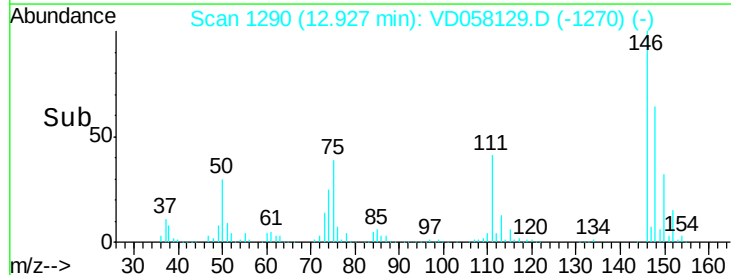
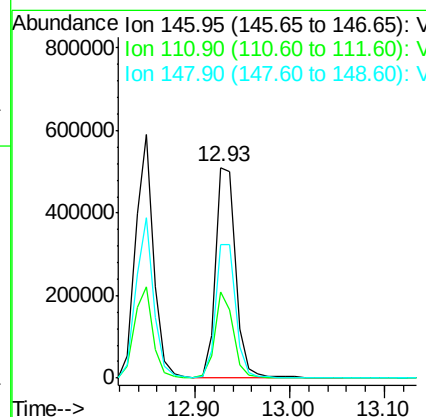
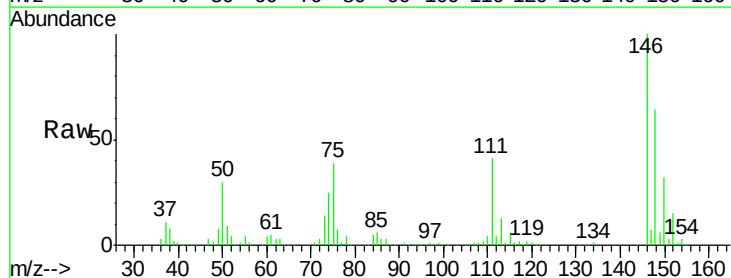
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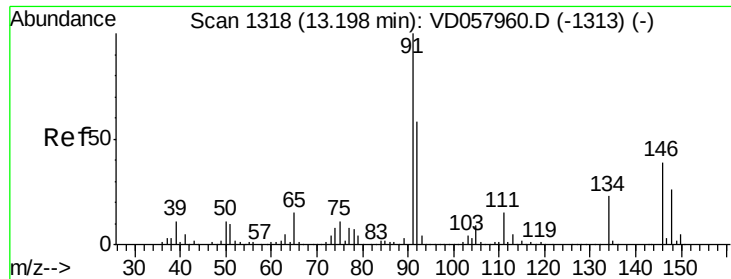
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#88
 1,4-Dichlorobenzene
 Concen: 50.452 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	17.3	52.0
148	63.5	33.4	100.2





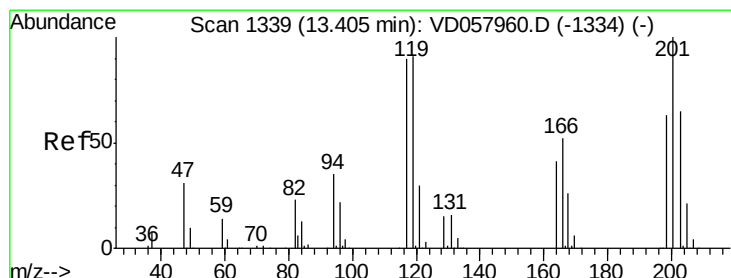
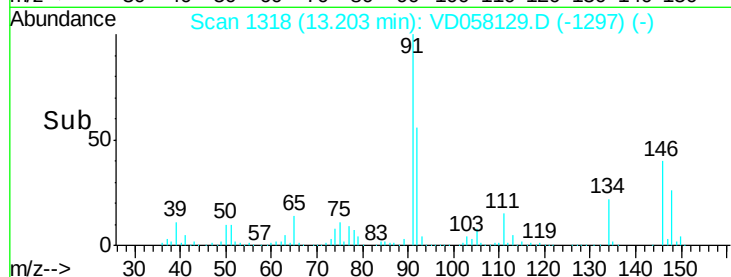
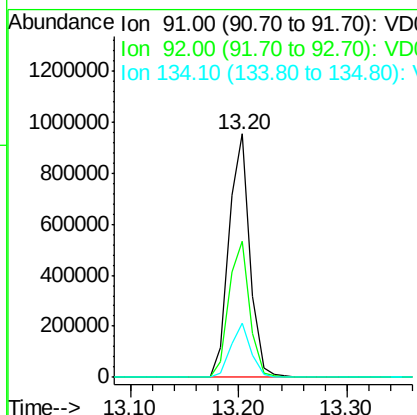
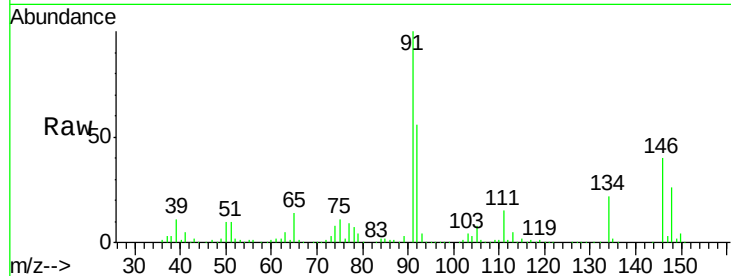
#89
n-Butylbenzene
Concen: 54.208 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1282211
Ion Ratio Lower Upper
91 100
92 55.9 29.2 87.6
134 22.0 11.3 33.9

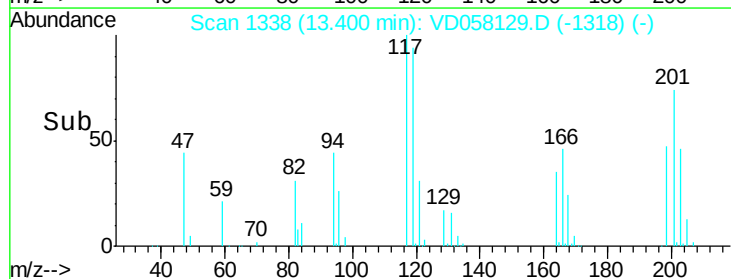
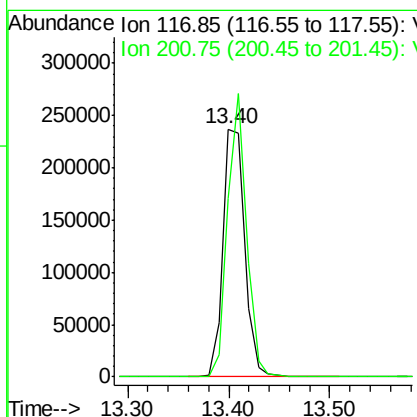
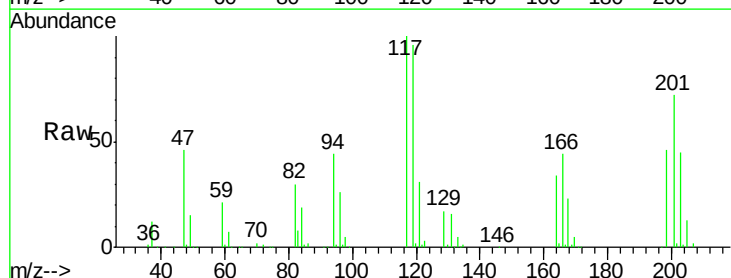
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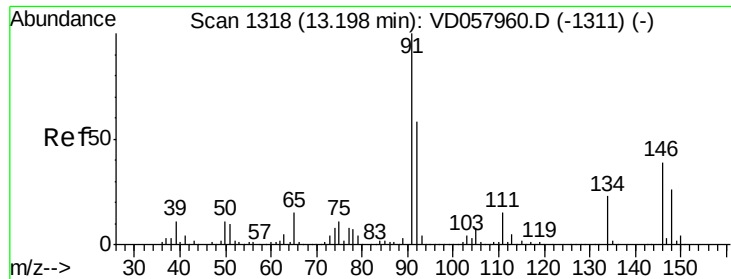
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#90
Hexachloroethane
Concen: 52.981 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion: 117 Resp: 357510
Ion Ratio Lower Upper
117 100
201 71.9 55.4 166.0





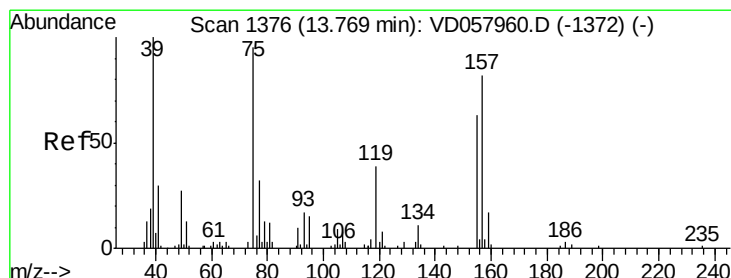
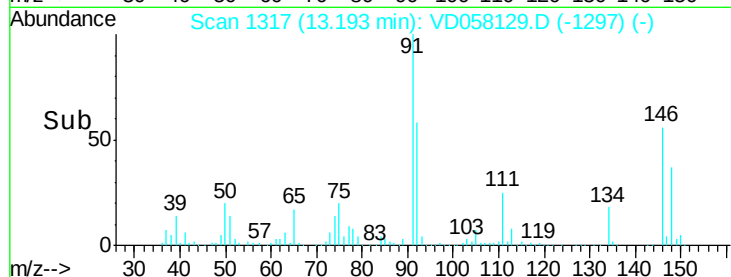
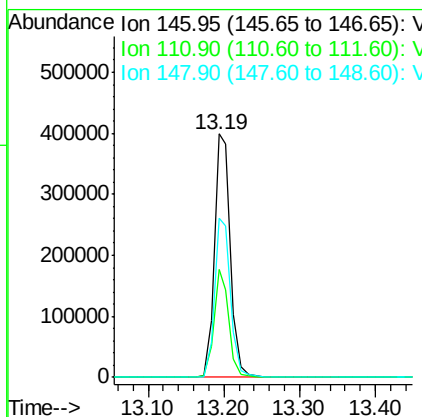
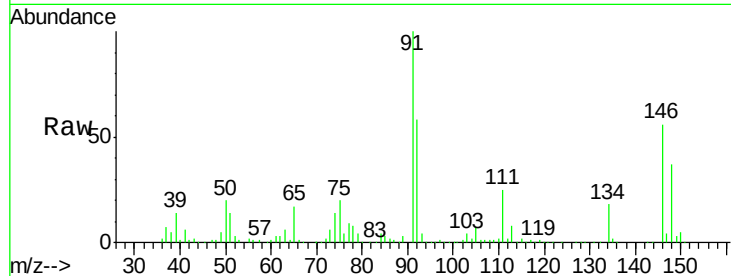
#91
 1,2-Dichlorobenzene
 Concen: 47.784 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	19.4	58.2
148	65.4	32.6	98.0

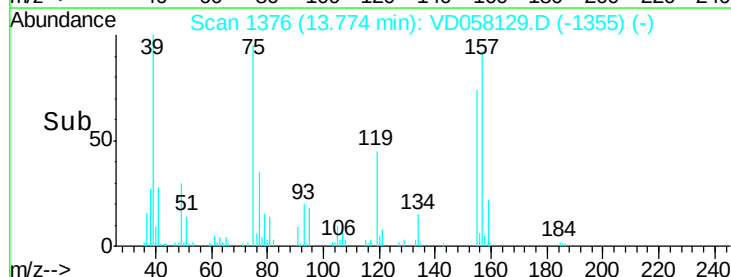
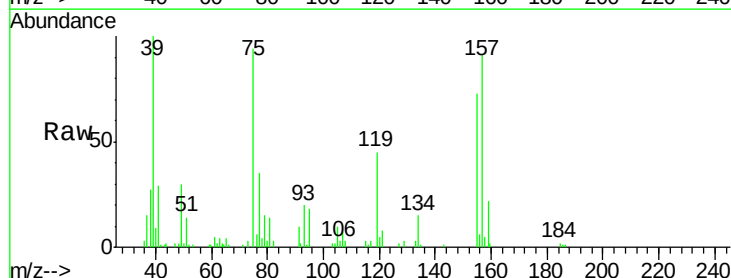
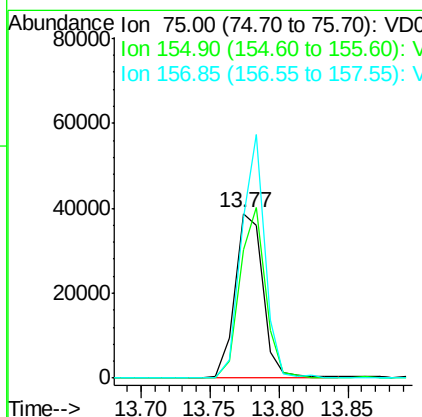
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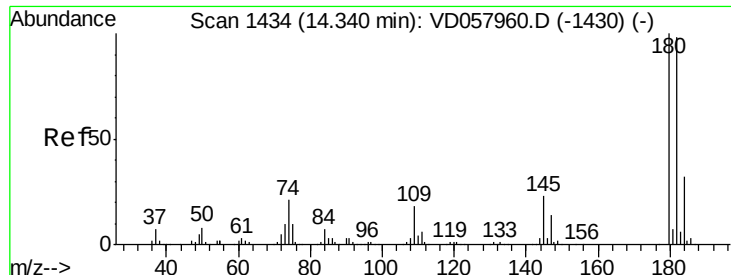
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.353 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	33.4	100.1
157	97.4	42.9	128.5





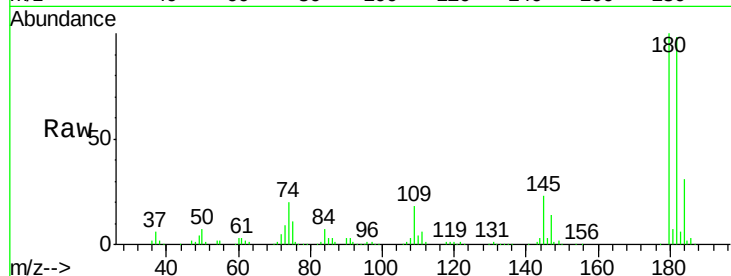
#93
 1,2,4-Trichlorobenzene
 Concen: 54.681 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

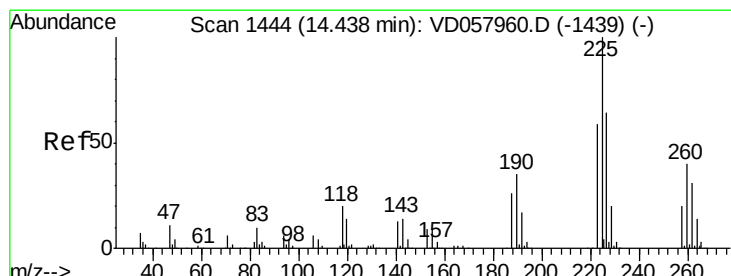
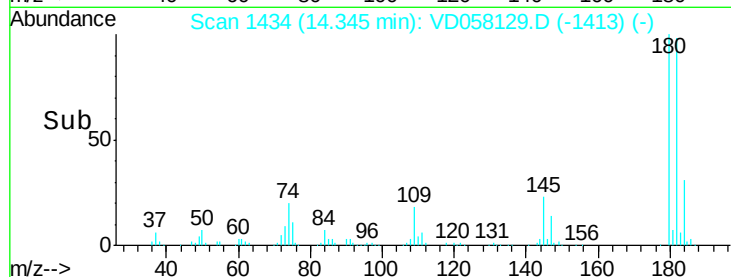
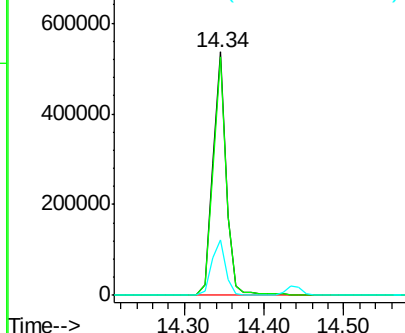
Tot Ion	Ratio	Resp	Lower	Upper
180	100	638048		
182	97.8	49.0	147.2	
145	22.7	11.8	35.3	

Manual Integrations
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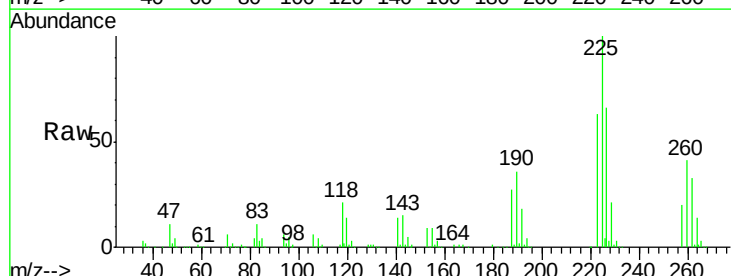


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

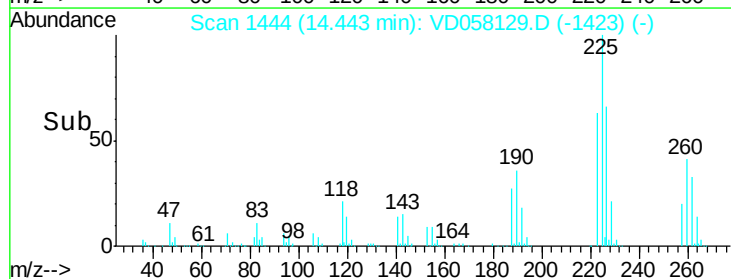
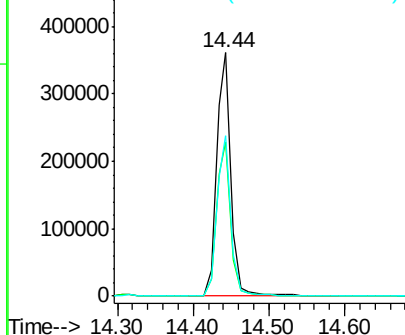


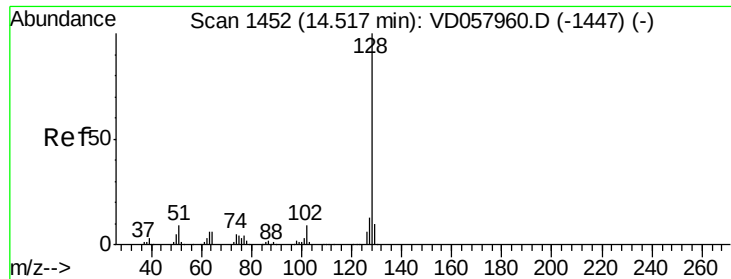
#94
 Hexachlorobutadiene
 Concen: 52.598 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058129.D
 Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	482754		
223	63.2	29.5	88.6	
227	65.8	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





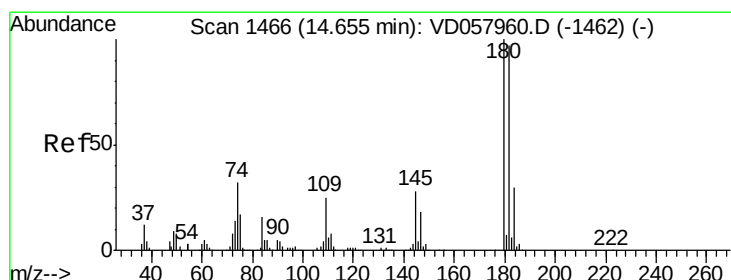
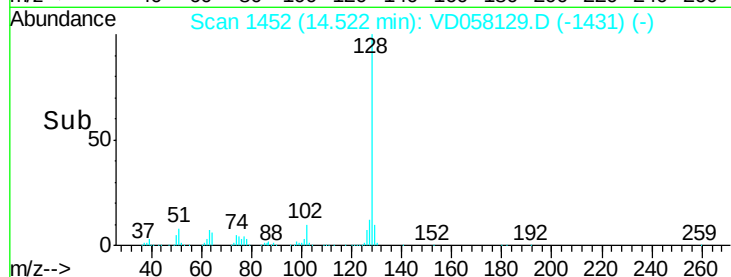
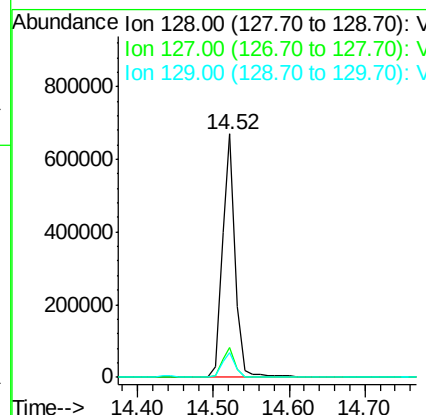
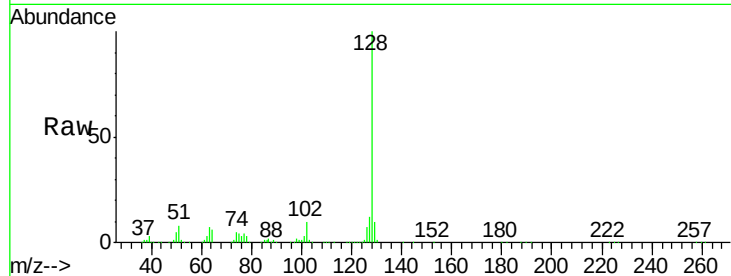
#95
Naphthalene
Concen: 53.434 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	803901		
127	12.3		10.2	15.2
129	10.4		8.2	12.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.355 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058129.D
Acq: 14 Jun 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	540516		
182	98.2		48.5	145.5
145	23.4		14.2	42.8

