

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059997.D
 Acq On : 13 Sep 2018 15:03
 Operator : JC/SY
 Sample : VSTDCC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Manual Integrations
 APPROVED

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 9/14/2018 10:57:57 AM

Quant Time: Sep 13 15:49:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1668958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2278718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1973420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1008488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	1188995	86.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.14%	
35) Dibromofluoromethane	6.31	113	1757717	98.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.66%	
50) Toluene-d8	9.45	98	4578918	93.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.66%	
62) 4-Bromofluorobenzene	12.42	95	1738721	87.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	1700189m	108.78	ug/l	
3) Chloromethane	1.74	50	1502828	108.63	ug/l	96
4) Vinyl Chloride	1.84	62	1252963	114.91	ug/l	99
5) Bromomethane	2.12	94	92635	48.57	ug/l	99
6) Chloroethane	2.22	64	254001	75.79	ug/l	96
7) Trichlorofluoromethane	2.48	101	1331219	104.54	ug/l	100
8) Diethyl Ether	2.80	74	294707	105.08	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	851684	108.85	ug/l	98
10) Methyl Iodide	3.22	142	1079820	149.27	ug/l	98
11) Tert butyl alcohol	3.95	59	493147	465.89	ug/l	100
12) 1,1-Dichloroethene	3.05	96	676898	111.19	ug/l	99
13) Acrolein	2.96	56	301694	628.80	ug/l	99
14) Allyl chloride	3.51	41	1424637	105.13	ug/l	97
15) Acrylonitrile	4.06	53	1865304	466.13	ug/l	100
16) Acetone	3.14	43	1075976	425.58	ug/l	99
17) Carbon Disulfide	3.29	76	2392175	124.21	ug/l	100
18) Methyl Acetate	3.53	43	488679	92.09	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	2993371	91.20	ug/l	100
20) Methylene Chloride	3.69	84	1716325	83.21	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	1699018	102.23	ug/l	99
22) Diisopropyl ether	4.83	45	6195974	91.51	ug/l	97
23) Vinyl Acetate	4.78	43	17221362	455.47	ug/l	99
24) 1,1-Dichloroethane	4.73	63	2792227	94.67	ug/l	99
25) 2-Butanone	5.61	43	2835069	388.30	ug/l	98
26) 2,2-Dichloropropane	5.56	77	2039892	83.27	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1766915	98.22	ug/l	99
28) Bromochloromethane	5.90	49	1394265	100.57	ug/l	99
29) Tetrahydrofuran	5.93	42	1685073	467.00	ug/l	98
30) Chloroform	6.08	83	2823274	94.02	ug/l	99
31) Cyclohexane	6.35	56	2495513	90.60	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	2352333	92.53	ug/l	99
36) 1,1-Dichloropropene	6.50	75	2123924	100.47	ug/l	99
37) Ethyl Acetate	5.68	43	1413551	88.38	ug/l	98
38) Carbon Tetrachloride	6.48	117	1959197	92.38	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2415694	104.80	ug/l	98
40) Benzene	6.78	78	5282806	95.93	ug/l	99
41) Methacrylonitrile	5.91	41	747726m	92.06	ug/l	
42) 1,2-Dichloroethane	6.88	62	1658707	95.88	ug/l	99
43) Isopropyl Acetate	8.33	43	1987639	94.88	ug/l #	96
44) Trichloroethene	7.72	130	1710248	104.78	ug/l	98
45) 1,2-Dichloropropane	8.09	63	1458942	95.91	ug/l	99
46) Dibromomethane	8.21	93	962041	98.26	ug/l	90
47) Bromodichloromethane	8.47	83	2149583	97.84	ug/l	99
48) Methyl methacrylate	8.24	41	1100871	90.29	ug/l	96
49) 1,4-Dioxane	8.22	88	224868	2035.66	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	5956639	398.84	ug/l	98
52) Toluene	9.53	92	3490058	99.05	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	1966555	97.04	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	2339330	98.32	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	1190551	93.73	ug/l	97
56) Ethyl methacrylate	10.02	69	1408492	96.81	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1816197	98.66	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	3156464	452.90	ug/l	99
59) 2-Hexanone	10.48	43	4224530	383.56	ug/l	98
60) Dibromochloromethane	10.63	129	1535826	96.37	ug/l	100
61) 1,2-Dibromoethane	10.74	107	1304489	101.65	ug/l	99
64) Tetrachloroethene	10.24	164	1594115	100.68	ug/l	98
65) Chlorobenzene	11.31	112	3759675	93.41	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	1238242	85.36	ug/l	99
67) Ethyl Benzene	11.42	91	5488536	81.62	ug/l	98
68) m/p-Xylenes	11.56	106	3887987	157.28	ug/l	98
69) o-Xylene	11.93	106	2142242	88.85	ug/l	95
70) Styrene	11.96	104	3604865	86.95	ug/l	99
71) Bromoform	12.11	173	1216287	97.08	ug/l	98
73) Isopropylbenzene	12.27	105	5765541	87.89	ug/l	99
74) N-amyl acetate	12.13	43	2385240	85.14	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	1393258	92.41	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	1407669	89.63	ug/l	99
77) Bromobenzene	12.54	156	1719725	94.65	ug/l	94
78) n-propylbenzene	12.63	91	7016091	84.85	ug/l	97
79) 2-Chlorotoluene	12.70	91	3989648	85.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	4180738	80.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	443542	91.48	ug/l	99
82) 4-Chlorotoluene	12.80	91	4261093	80.48	ug/l	97
83) tert-Butylbenzene	13.04	119	5066612	85.93	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	4532902	84.08	ug/l	100
85) sec-Butylbenzene	13.22	105	6091797	88.06	ug/l	99
86) p-Isopropyltoluene	13.33	119	4796671	84.45	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	2899834	89.46	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	2892682	89.11	ug/l	95
89) n-Butylbenzene	13.64	91	4138208	72.94	ug/l	97
90) Hexachloroethane	13.85	117	1366170	90.81	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	2115012	77.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	288573	127.99	ug/l	96

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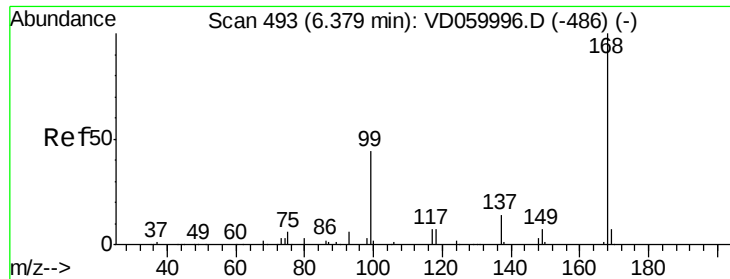
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2065630	87.91	ug/l	98
94) Hexachlorobutadiene	14.88	225	1400484	90.63	ug/l	99
95) Naphthalene	14.96	128	3494684	97.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1876305	93.12	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion:168 Resp: 1668958

Ion Ratio Lower Upper

168 100

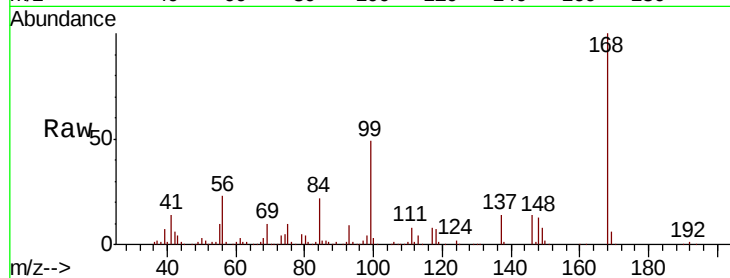
99 48.6 38.5 57.7

Manual Integrations

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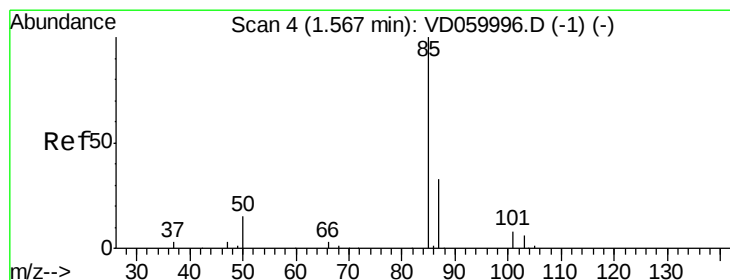
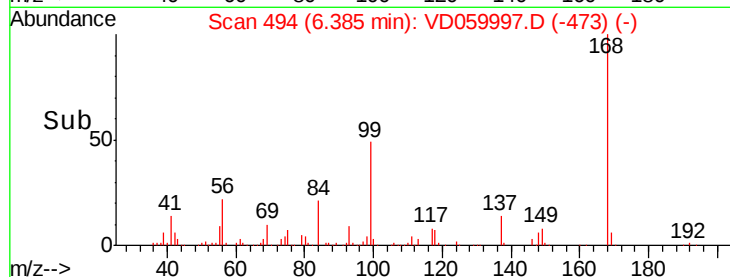
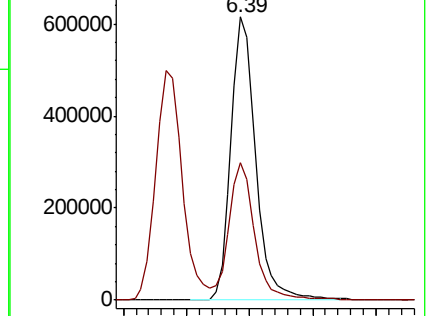
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 108.78 ug/l m

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD059997.D

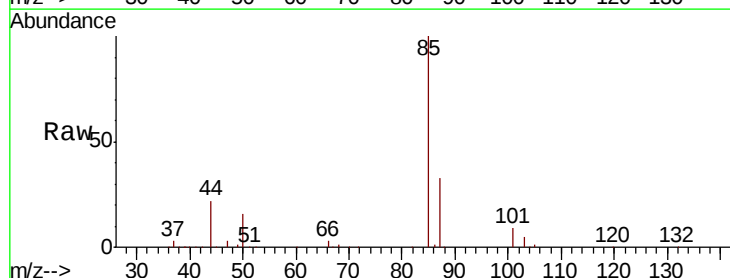
Acq: 13 Sep 2018 15:03

Tgt Ion: 85 Resp: 1700189

Ion Ratio Lower Upper

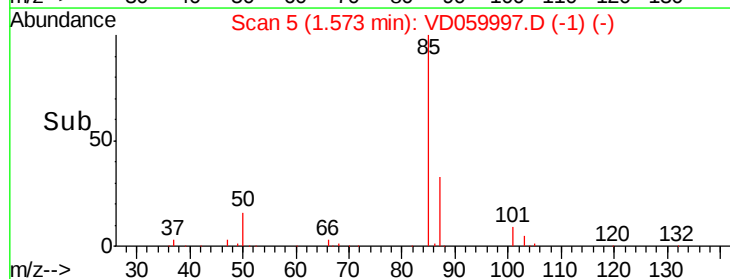
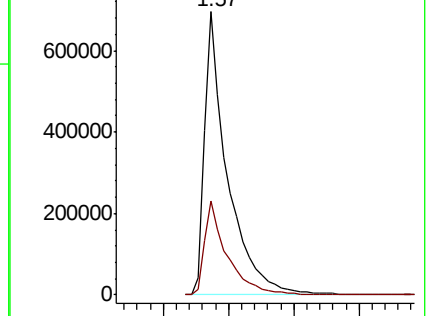
85 100

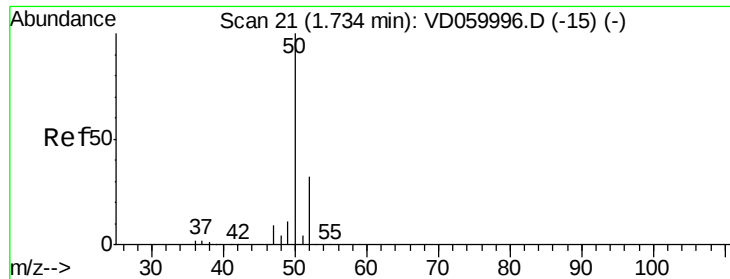
87 33.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 108.63 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 50 Resp: 1502828

Ion Ratio Lower Upper

50 100

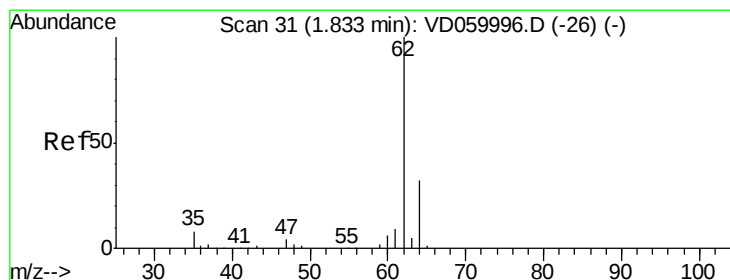
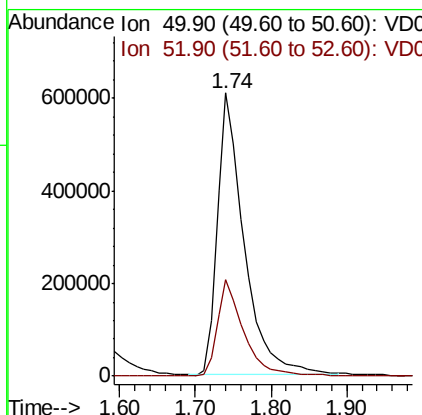
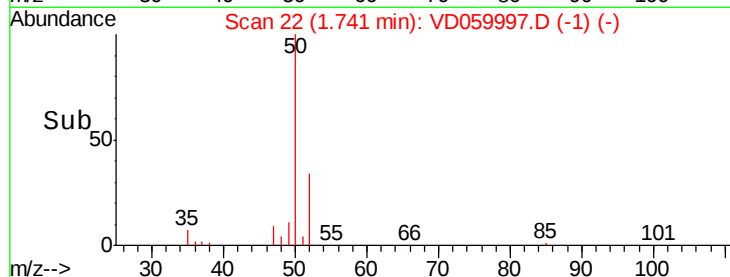
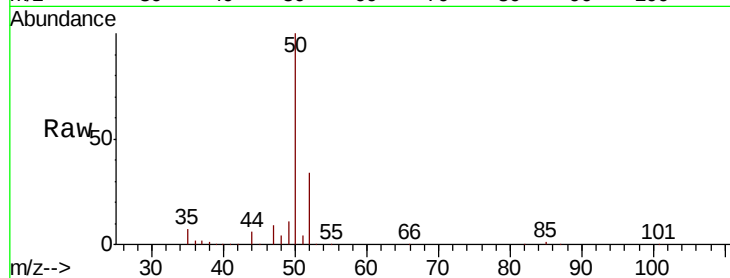
52 33.9 25.4 38.2

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#4

Vinyl Chloride

Concen: 114.91 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD059997.D

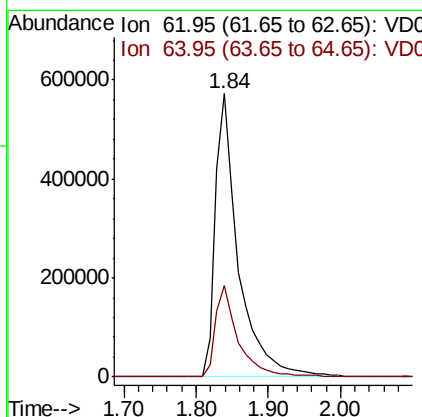
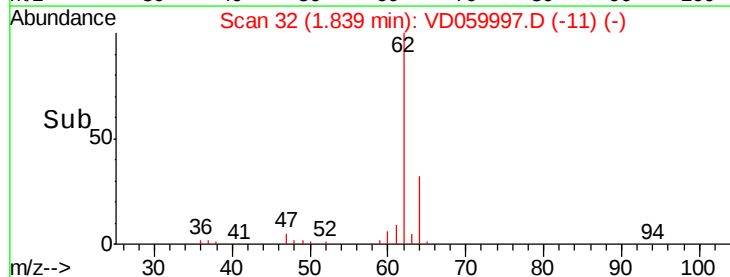
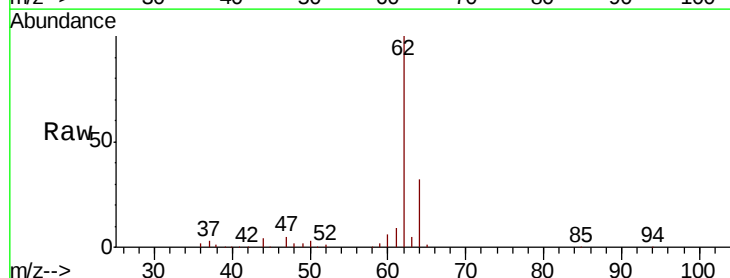
Acq: 13 Sep 2018 15:03

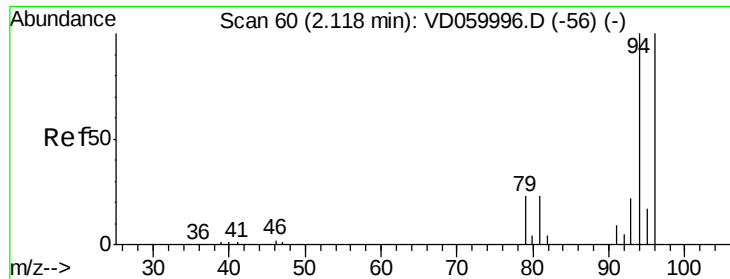
Tgt Ion: 62 Resp: 1252963

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 48.57 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDCC100

Tot Ion: 94 Resp: 92635

Ion Ratio Lower Upper

94 100

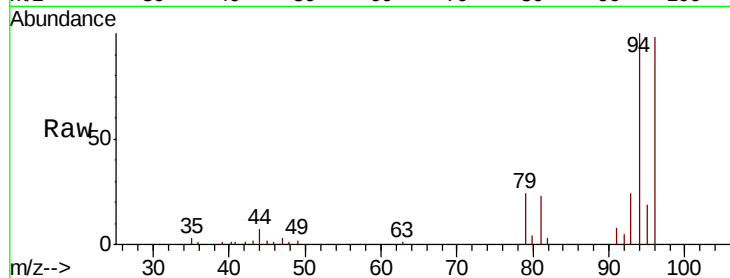
96 98.4 79.8 119.8

Manual Integrations

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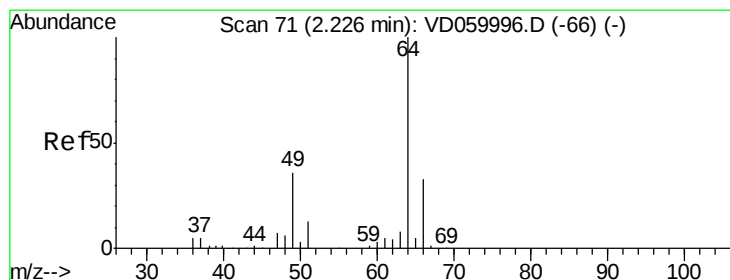
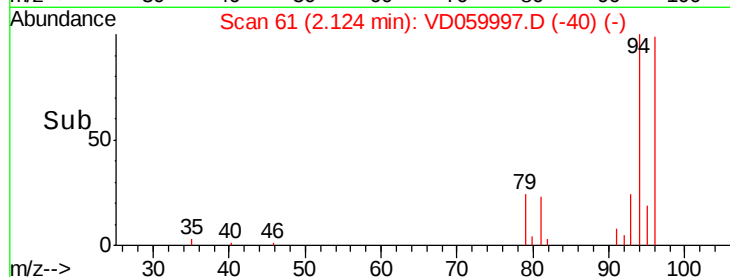
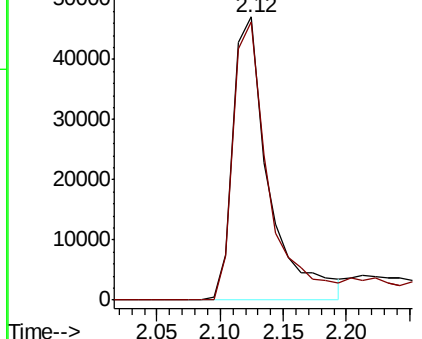
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 75.79 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD059997.D

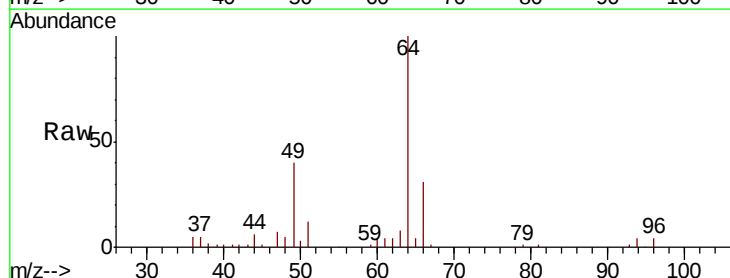
Acq: 13 Sep 2018 15:03

Tgt Ion: 64 Resp: 254001

Ion Ratio Lower Upper

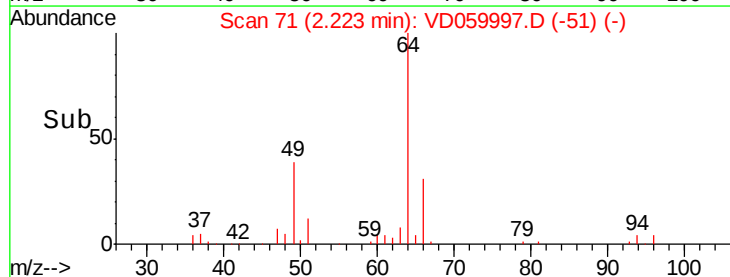
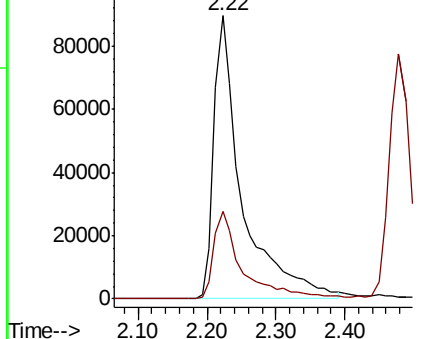
64 100

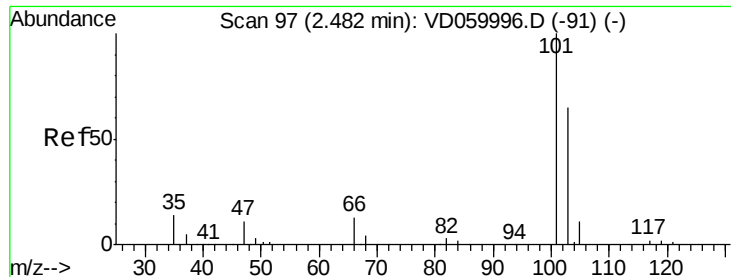
66 31.0 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

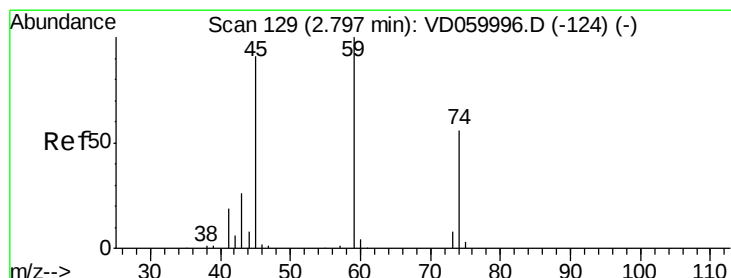
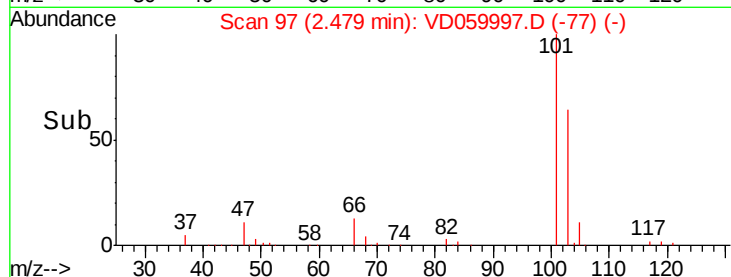
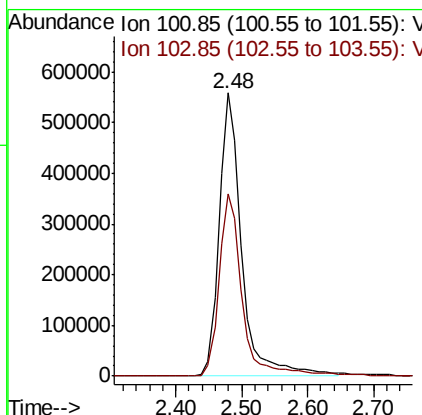
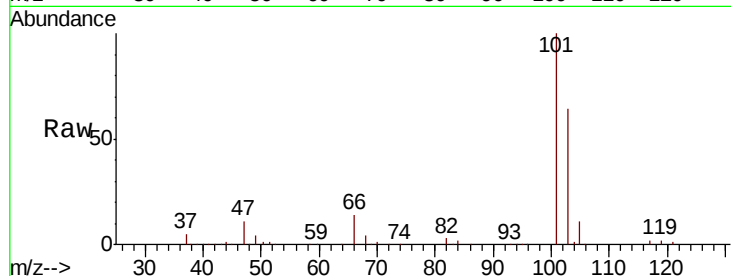
Trichlorofluoromethane
Concen: 104.54 ug/l
RT: 2.48 min Scan# 97
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

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ClientSampleId :
VSTDCC100

Tot Ion:101 Resp: 1331219
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4

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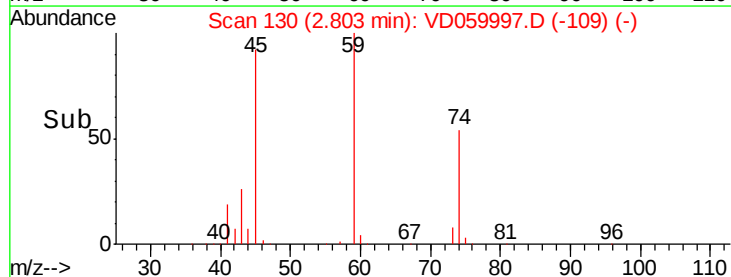
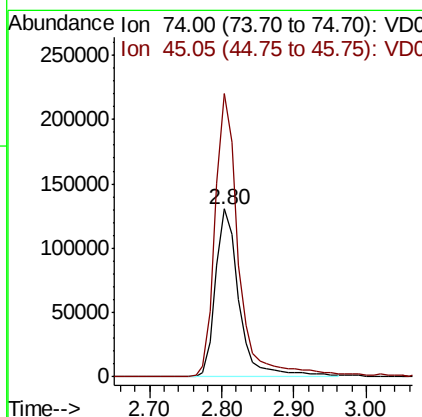
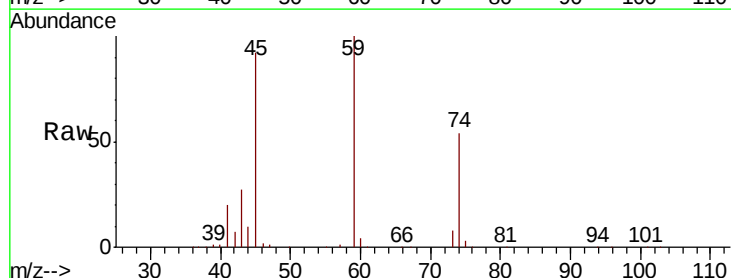
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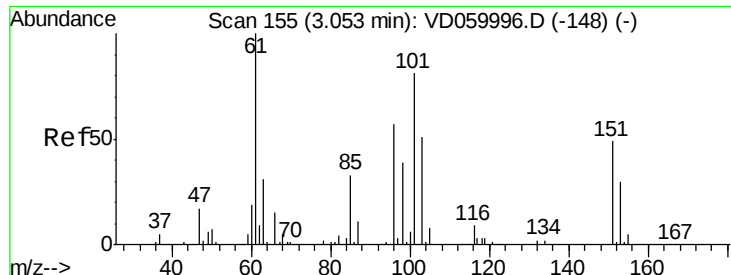


#8

Diethyl Ether
Concen: 105.08 ug/l
RT: 2.80 min Scan# 130
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 74 Resp: 294707
Ion Ratio Lower Upper
74 100
45 168.6 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.85 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

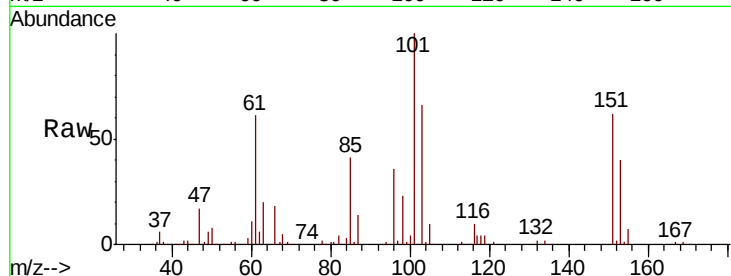
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VSTDCC100

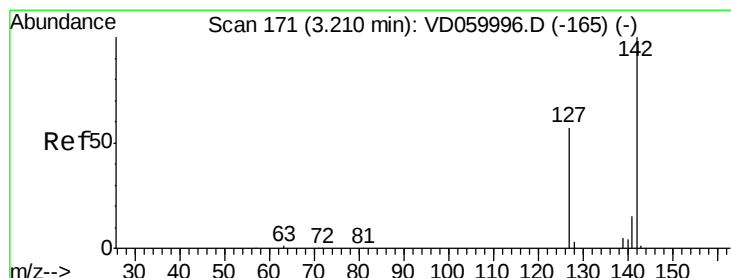
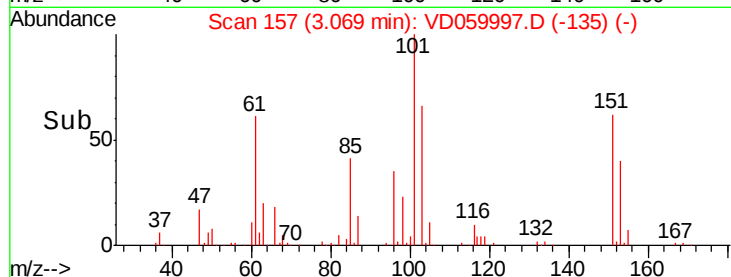
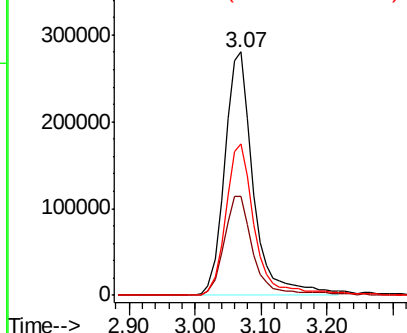
Tot Ion:	101	Resp:	851684
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.1	49.7
151	62.0	48.2	72.4

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 149.27 ug/l

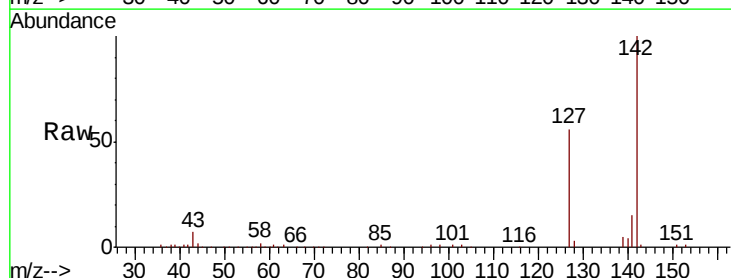
RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

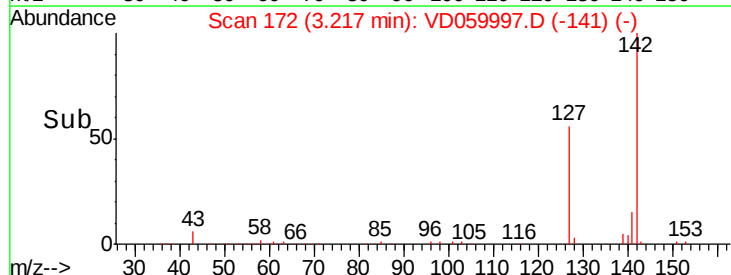
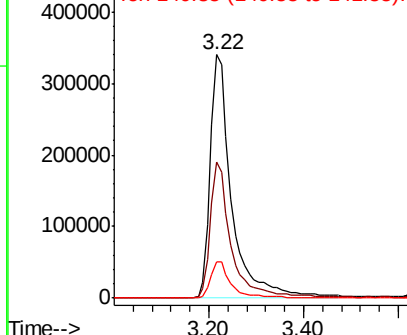
Lab File: VD059997.D

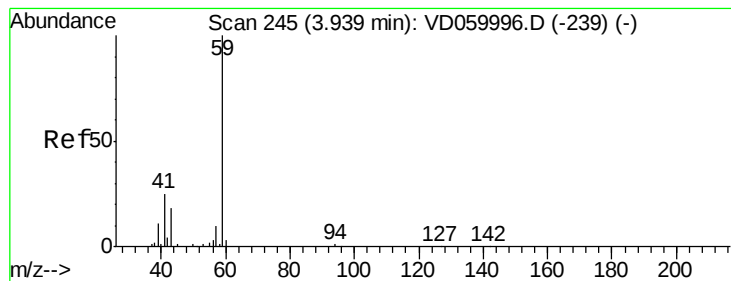
Acq: 13 Sep 2018 15:03

Tgt Ion:	142	Resp:	1079820
Ion Ratio	Lower	Upper	
142	100		
127	56.1	45.8	68.8
141	14.8	12.2	18.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

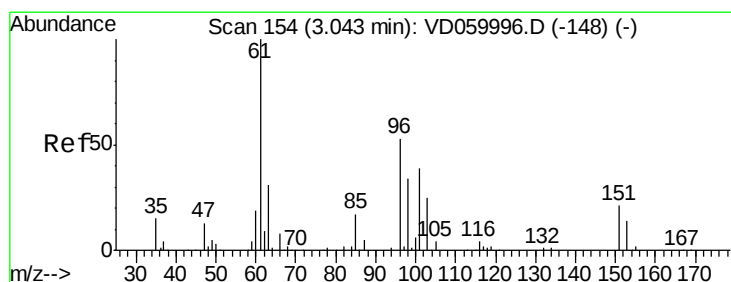
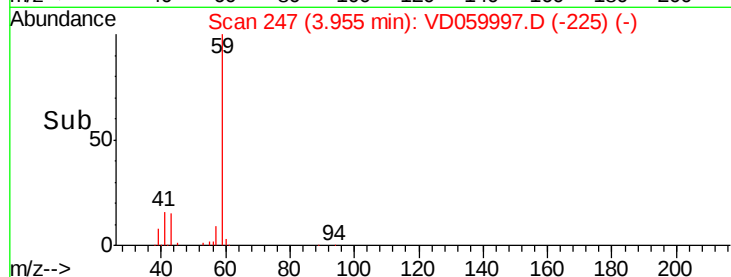
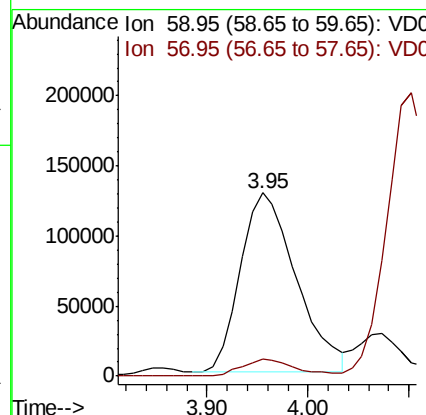
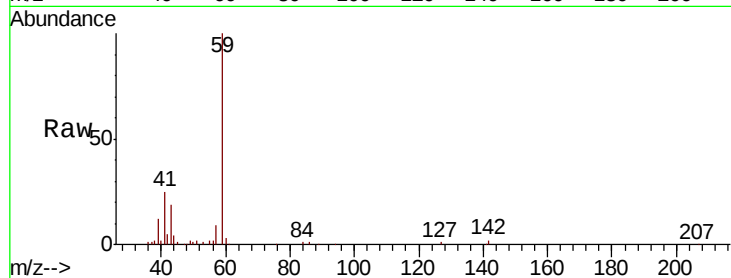
Tert butyl alcohol
 Concen: 465.89 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	9.2	7.4	11.2	

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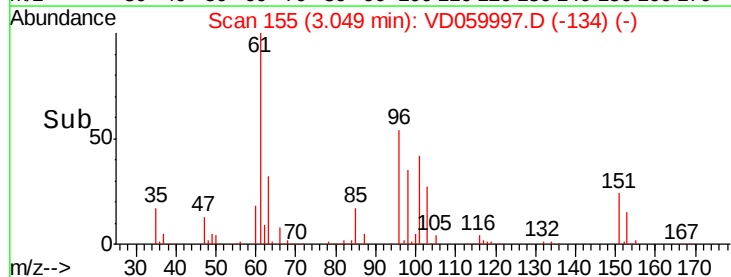
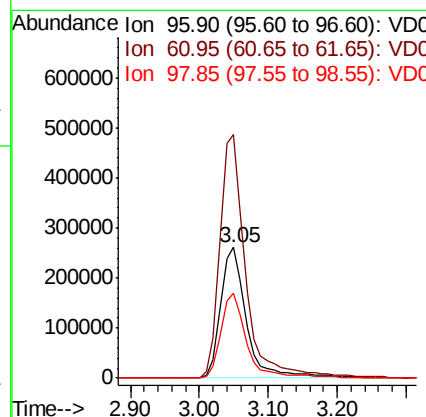
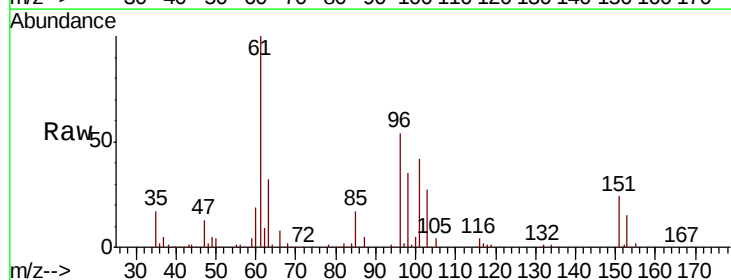
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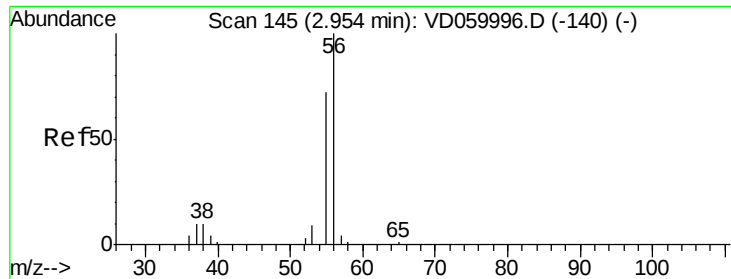


#12

1,1-Dichloroethene
 Concen: 111.19 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	186.4	149.8	224.6	
98	65.0	50.2	75.4	





#13

Acrolein

Concen: 628.80 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 56 Resp: 301694

Ion Ratio Lower Upper

56 100

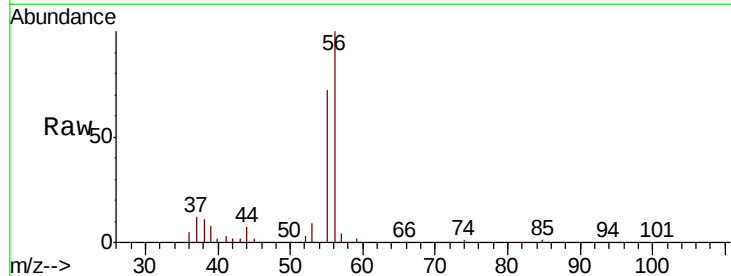
55 72.0 58.3 87.5

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

120000

100000

80000

60000

40000

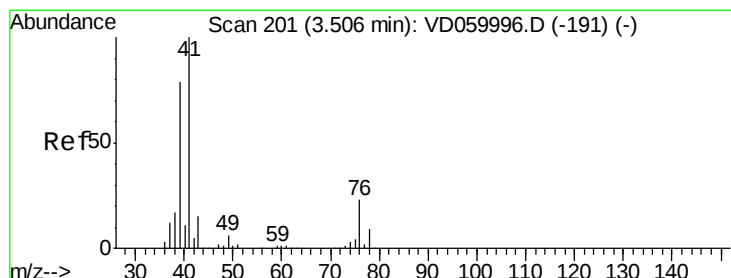
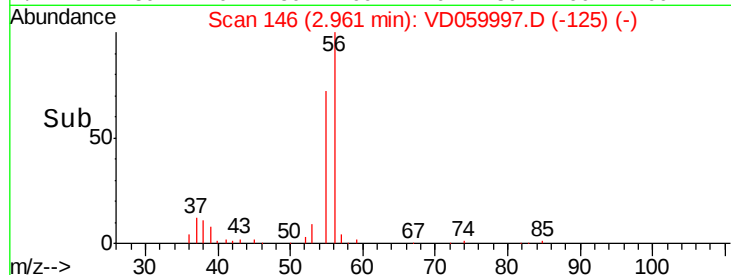
20000

0

Time-->

2.80 2.90 3.00 3.10 3.20

2.96



#14

Allyl chloride

Concen: 105.13 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

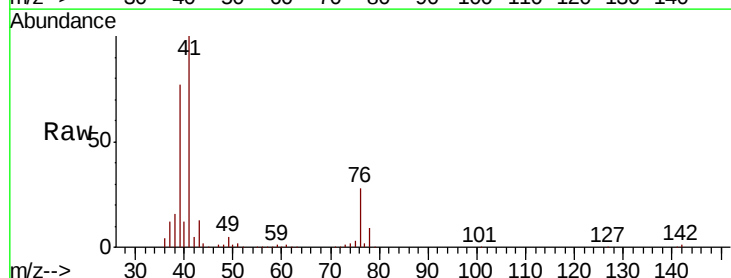
Tgt Ion: 41 Resp: 1424637

Ion Ratio Lower Upper

41 100

39 76.6 63.6 95.4

76 27.5 21.1 31.7



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

600000

400000

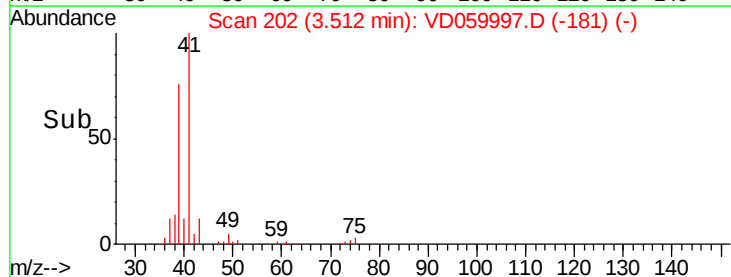
200000

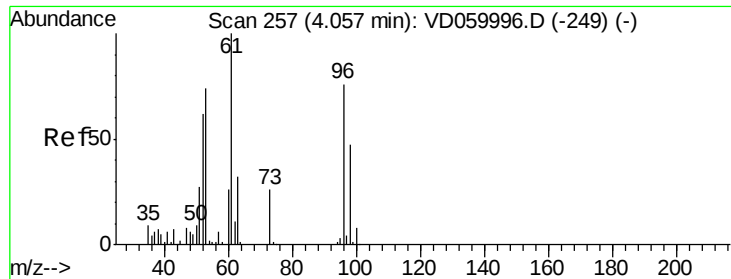
0

Time-->

3.40 3.50 3.60

3.51





#15

Acrylonitrile

Concen: 466.13 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 53 Resp: 1865304

Ion Ratio Lower Upper

53 100

52 83.4 66.7 100.1

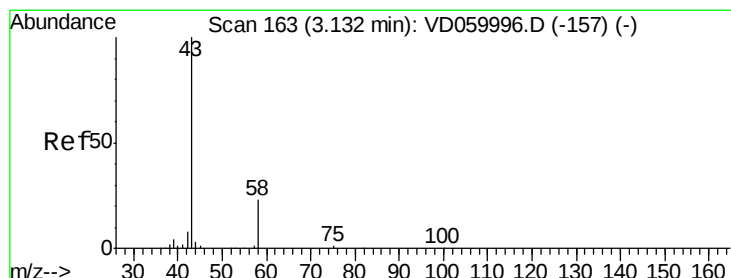
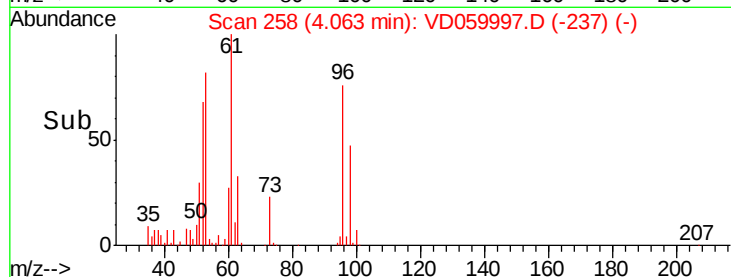
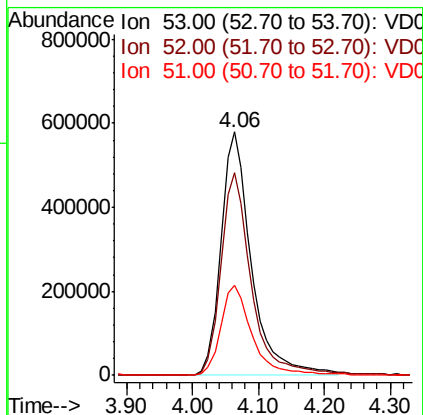
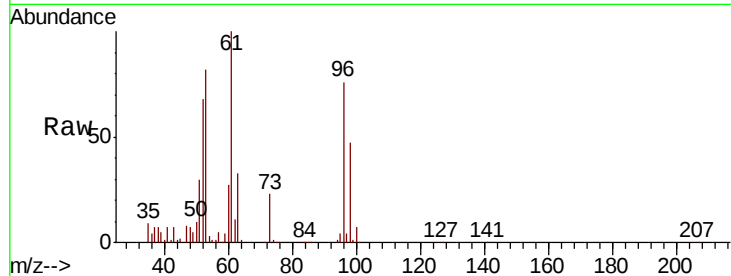
51 36.9 29.0 43.6

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#16

Acetone

Concen: 425.58 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059997.D

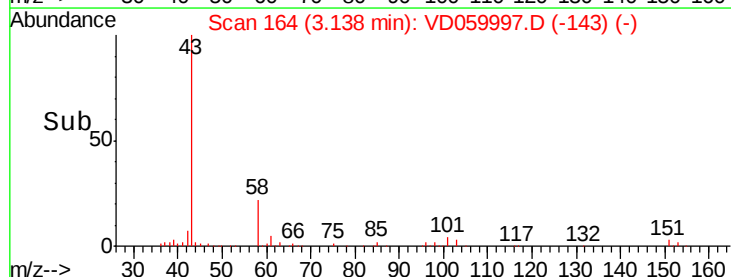
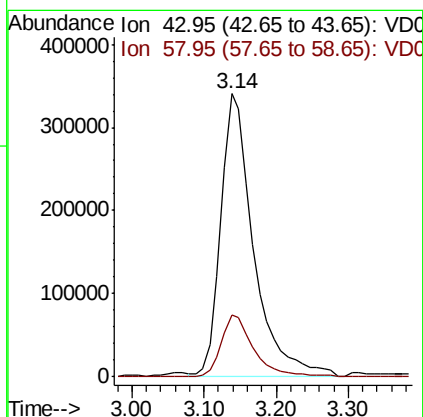
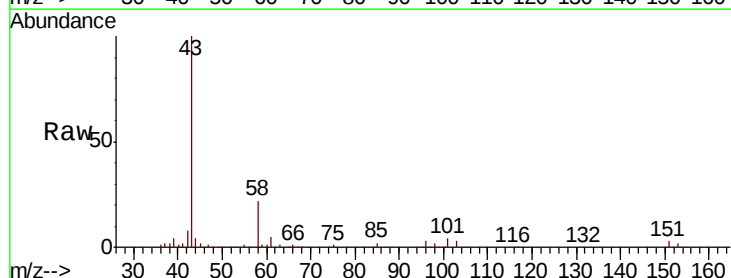
Acq: 13 Sep 2018 15:03

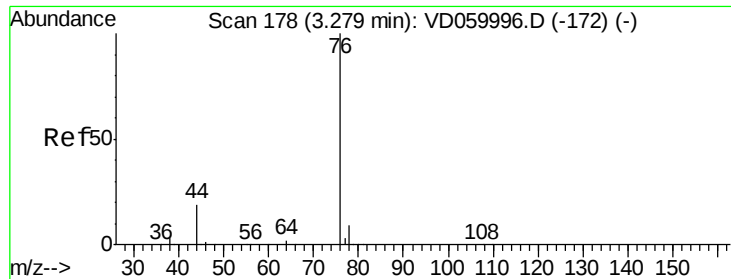
Tgt Ion: 43 Resp: 1075976

Ion Ratio Lower Upper

43 100

58 22.0 18.1 27.1





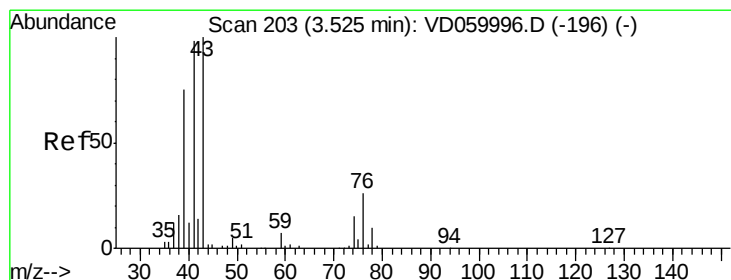
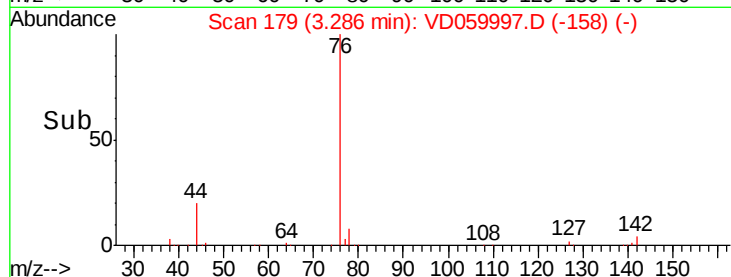
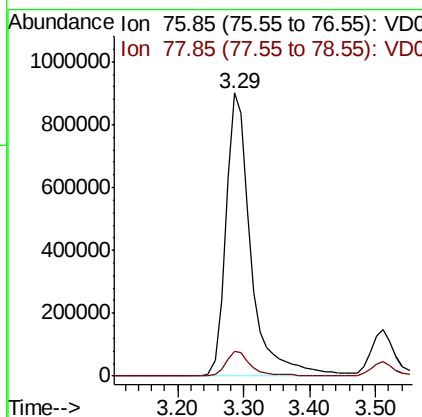
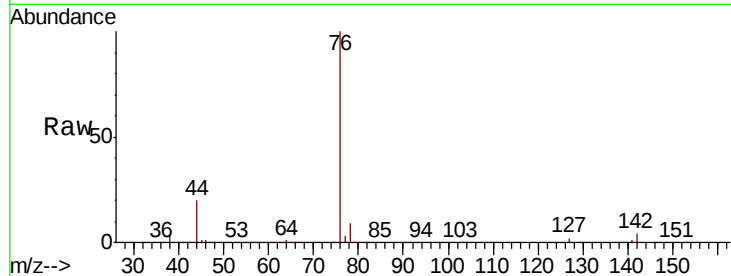
#17
Carbon Disulfide
Concen: 124.21 ug/l
RT: 3.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 76 Resp: 2392175
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

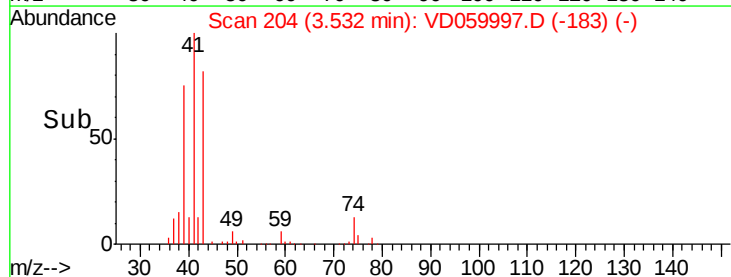
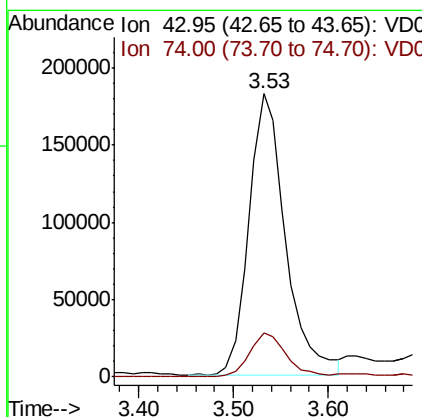
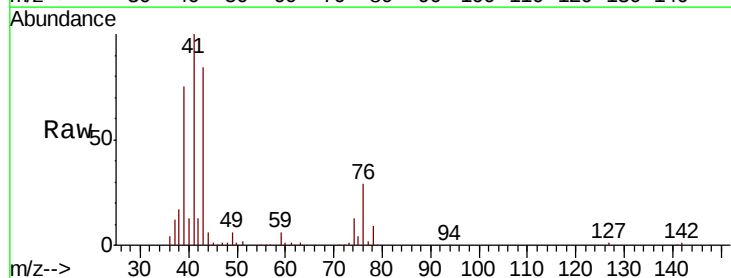
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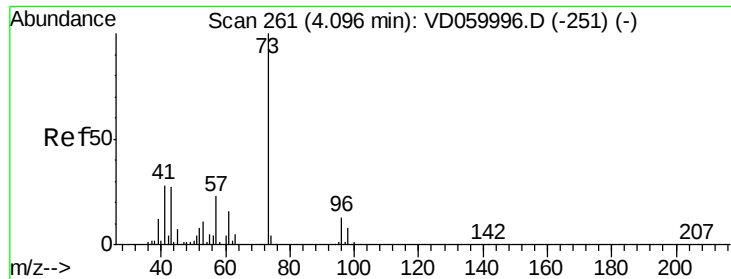
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#18
Methyl Acetate
Concen: 92.09 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 43 Resp: 488679
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.8





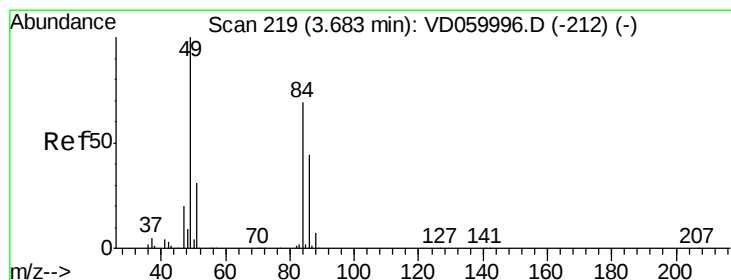
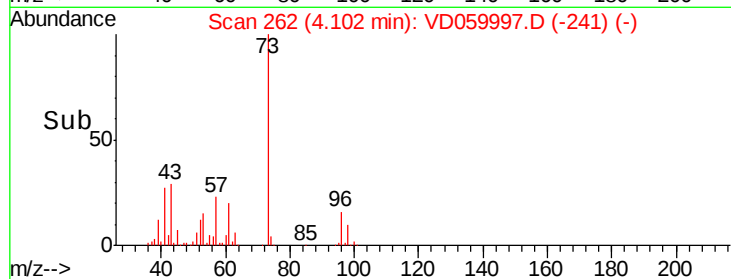
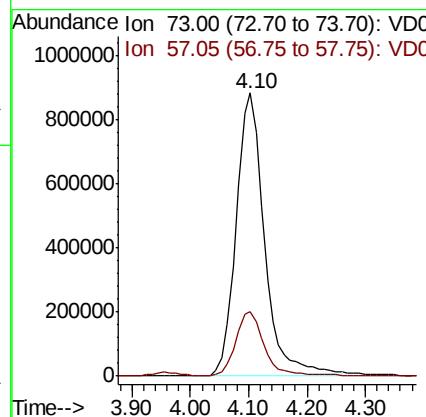
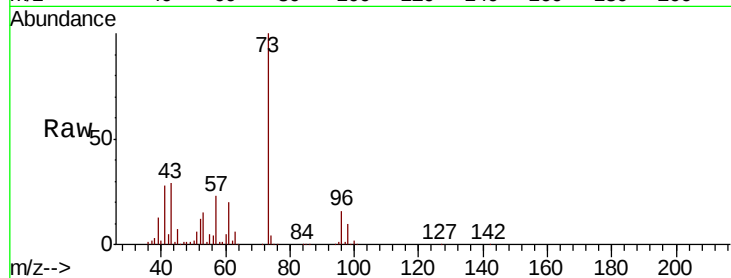
#19
Methvl tert-butvl Ether
Concen: 91.20 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 73 Resp: 2993371
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

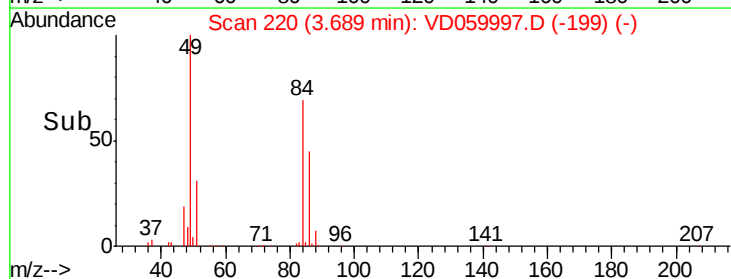
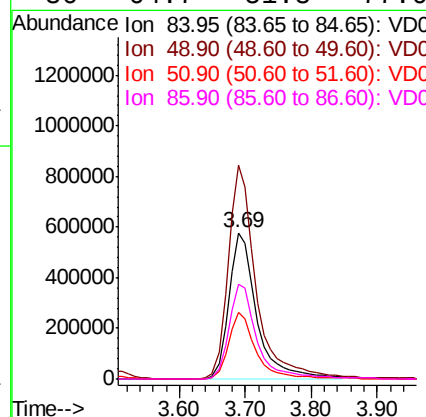
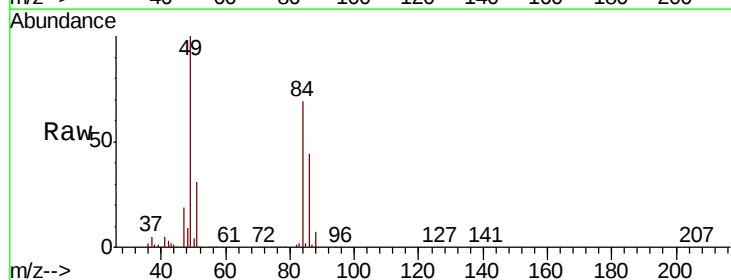
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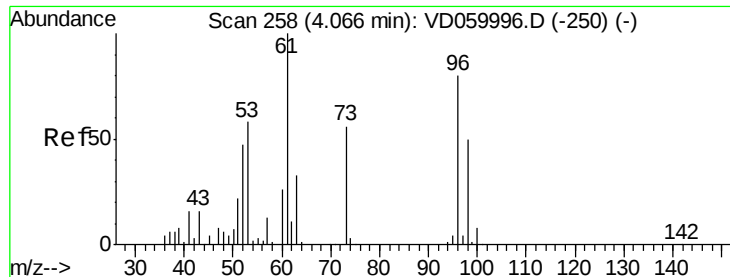
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#20
Methylene Chloride
Concen: 83.21 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 84 Resp: 1716325
Ion Ratio Lower Upper
84 100
49 145.8 116.6 175.0
51 45.5 35.9 53.9
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 102.23 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDCC100

Tot Ion: 96 Resp: 1699018

Ion Ratio Lower Upper

96 100

61 125.3 100.1 150.1

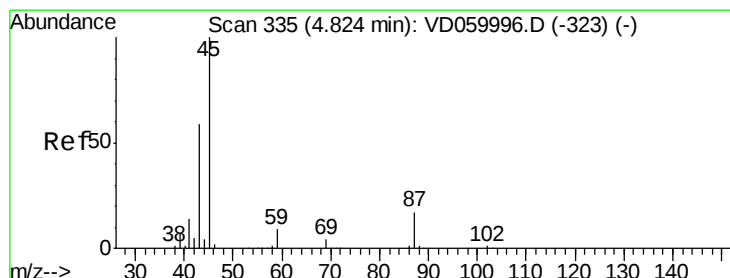
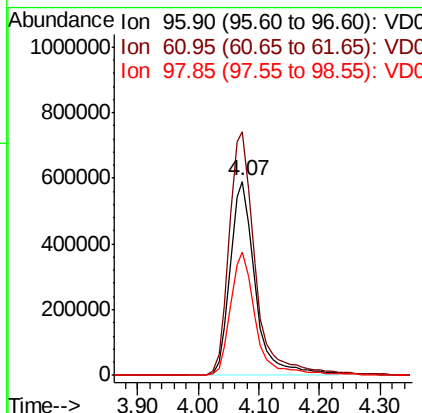
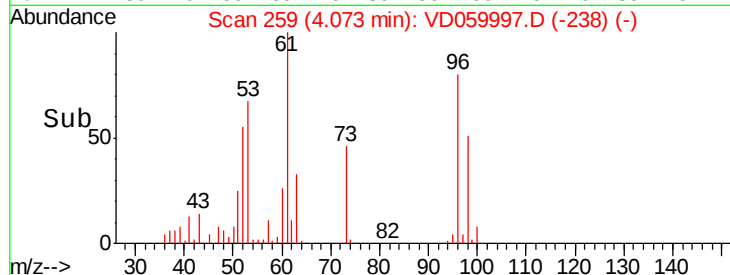
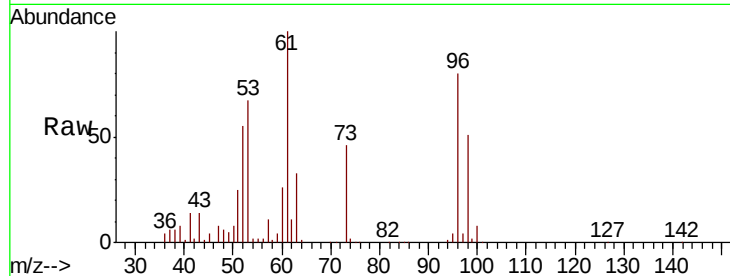
98 63.5 49.5 74.3

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#22

Diisopropyl ether

Concen: 91.51 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion: 45 Resp: 6195974

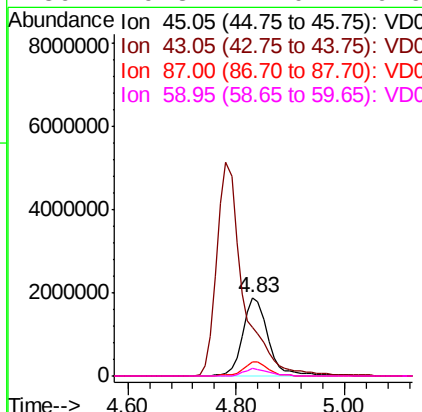
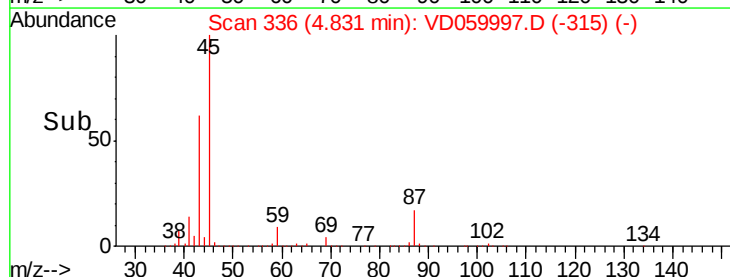
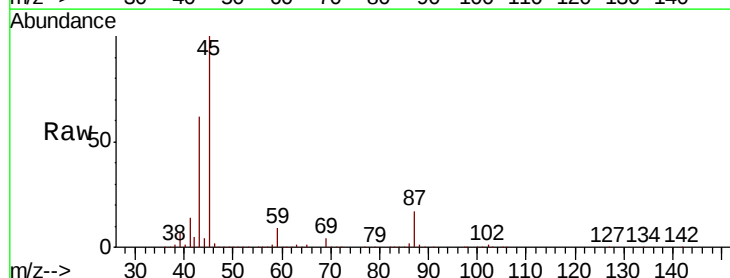
Ion Ratio Lower Upper

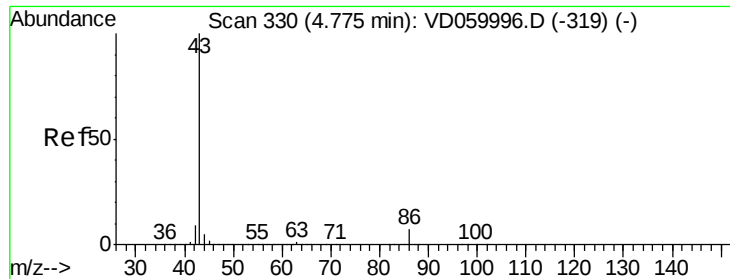
45 100

43 62.4 47.1 70.7

87 17.4 14.2 21.2

59 9.3 7.0 10.6





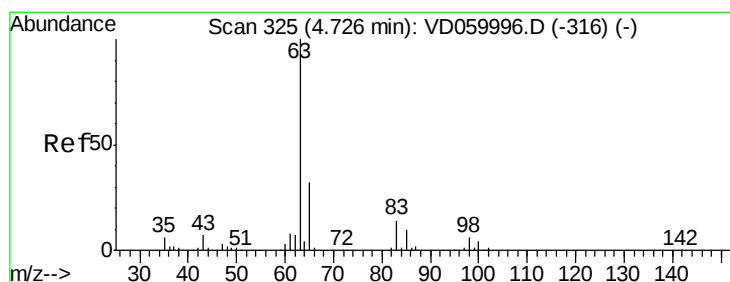
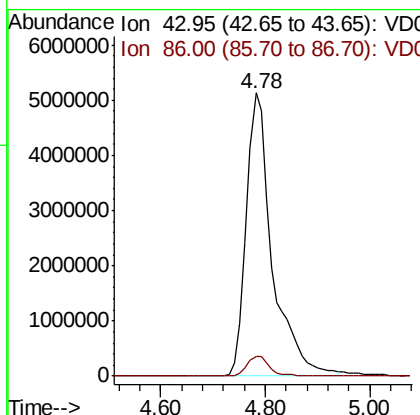
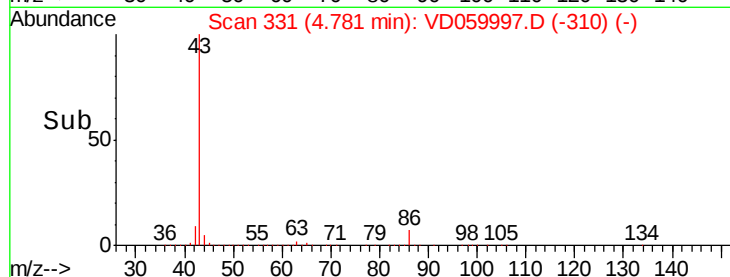
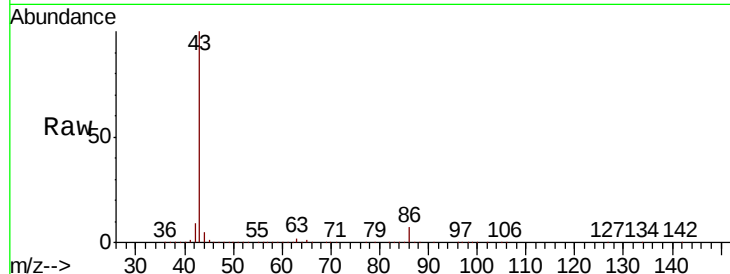
#23
 Vinyl Acetate
 Concen: 455.47 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCC100

Tot Ion: 43 Resp:17221362
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.5 8.3

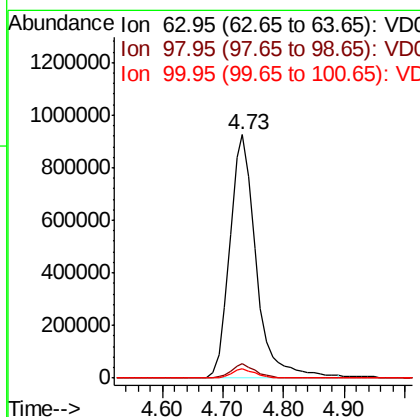
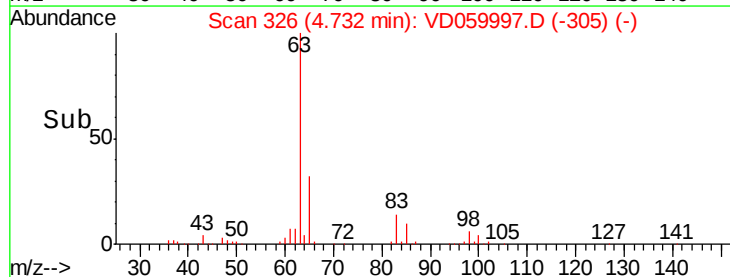
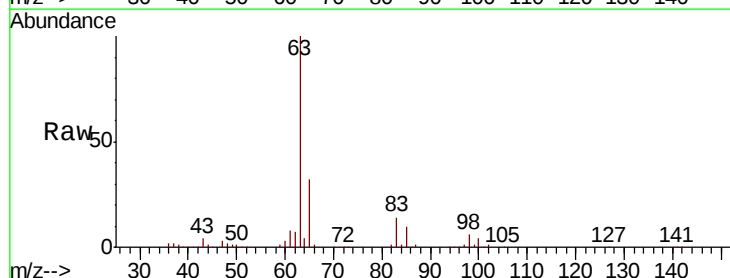
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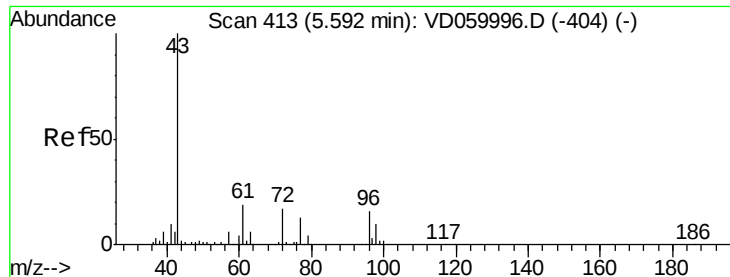
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#24
 1,1-Dichloroethane
 Concen: 94.67 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 63 Resp: 2792227
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.8 1.8 5.4





#25

2-Butanone

Concen: 388.30 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 43 Resp: 2835069

Ion Ratio Lower Upper

43 100

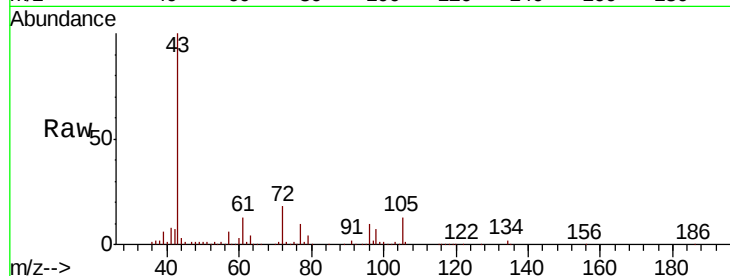
72 17.9 13.6 20.4

Manual Integrations

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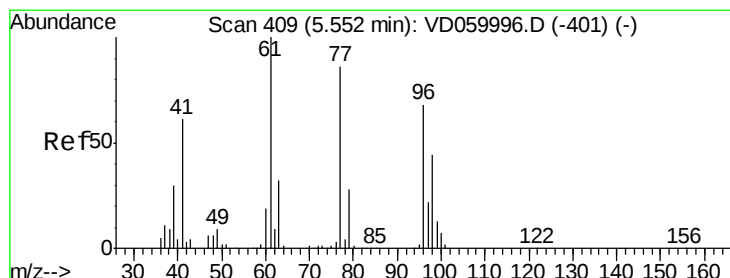
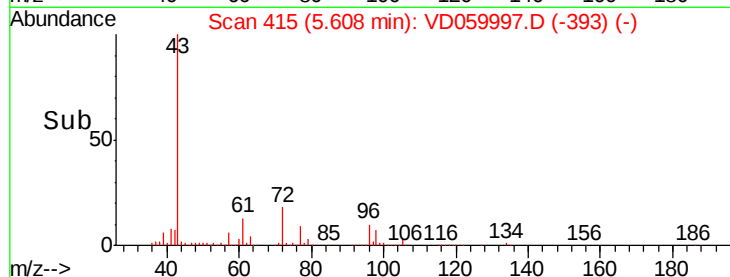
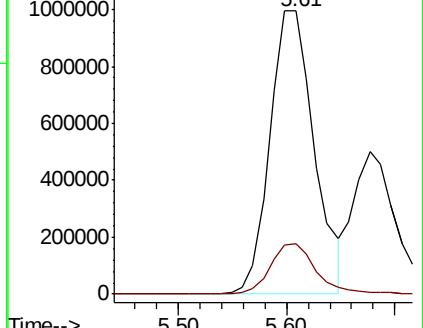
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 83.27 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD059997.D

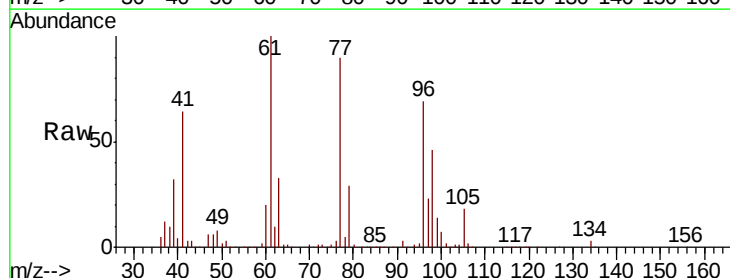
Acq: 13 Sep 2018 15:03

Tgt Ion: 77 Resp: 2039892

Ion Ratio Lower Upper

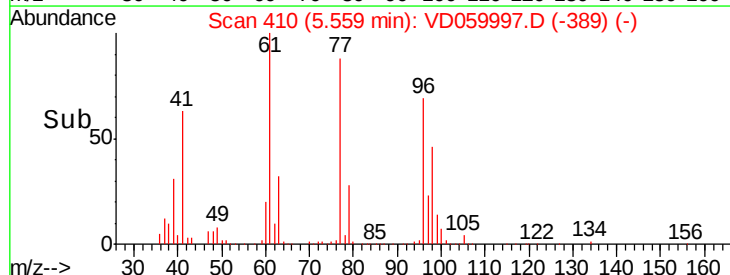
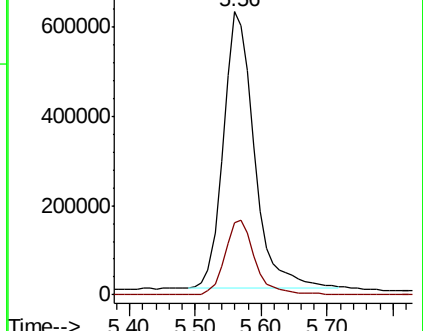
77 100

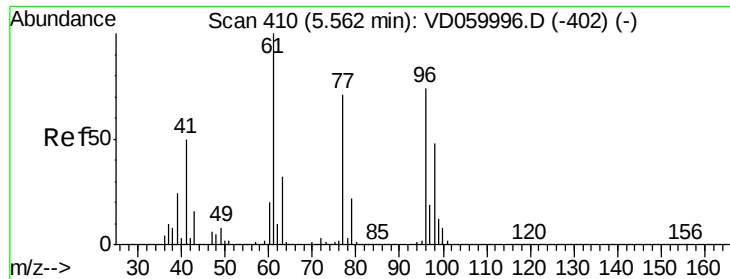
97 25.4 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

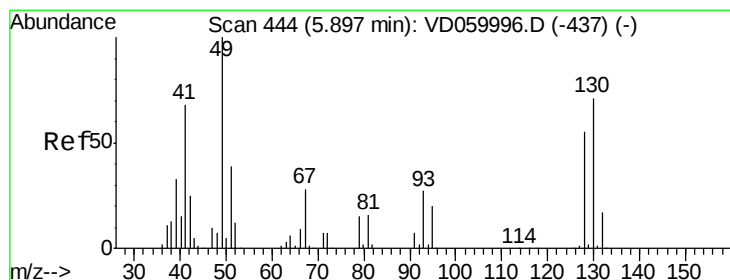
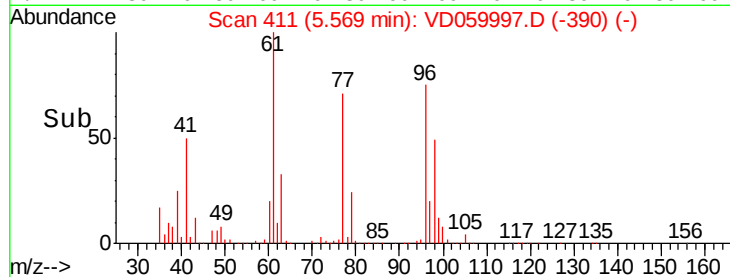
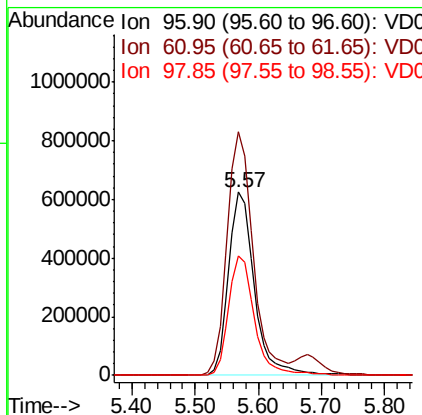
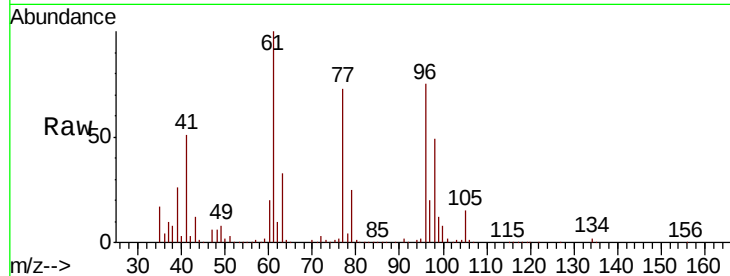
cis-1,2-Dichloroethene
Concen: 98.22 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	269.6
98	65.2	0.0	128.4

Manual Integrations
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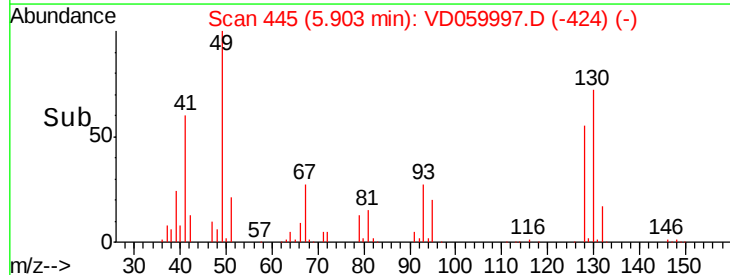
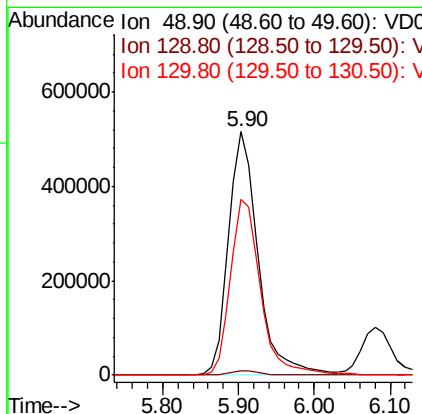
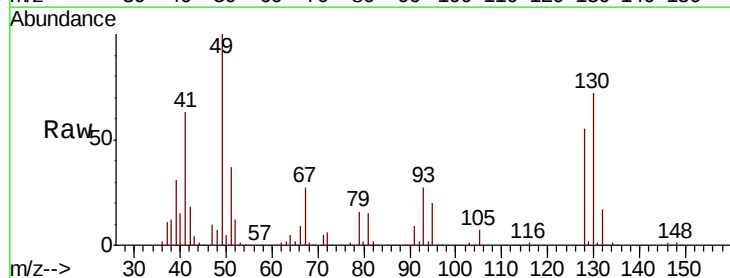
apatel
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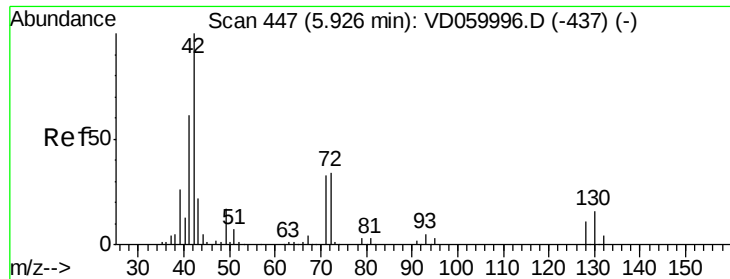


#28

Bromochloromethane
Concen: 100.57 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	72.1	57.1	85.7





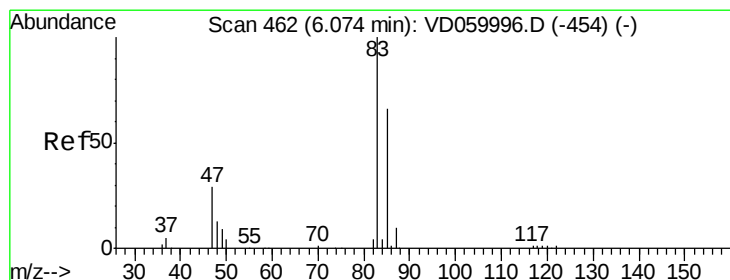
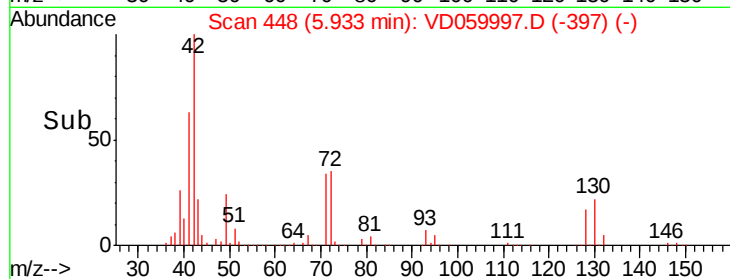
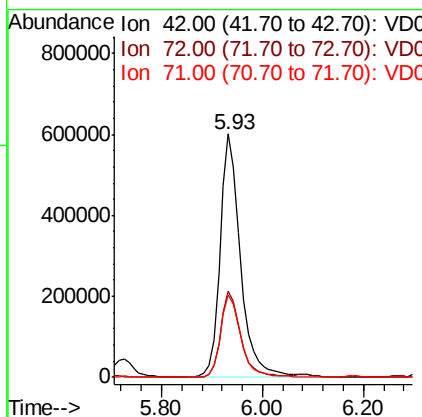
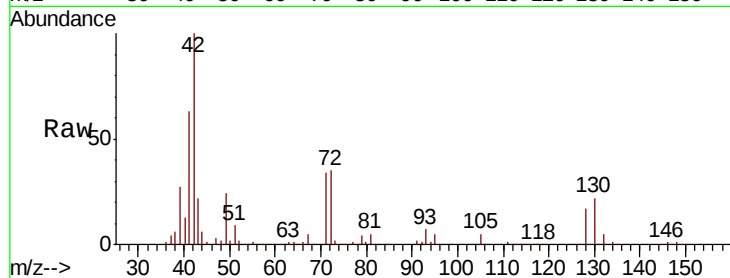
#29
Tetrahydrofuran
Concen: 467.00 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 42 Resp: 1685073
Ion Ratio Lower Upper
42 100
72 34.6 26.9 40.3
71 34.3 26.2 39.4

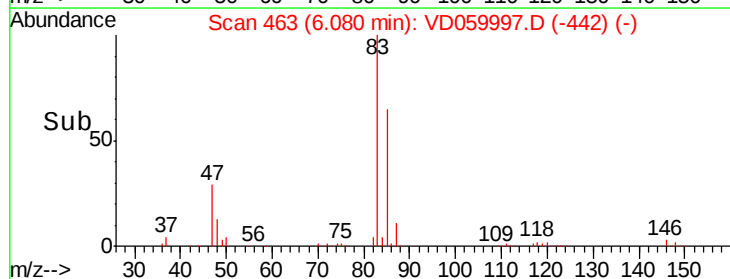
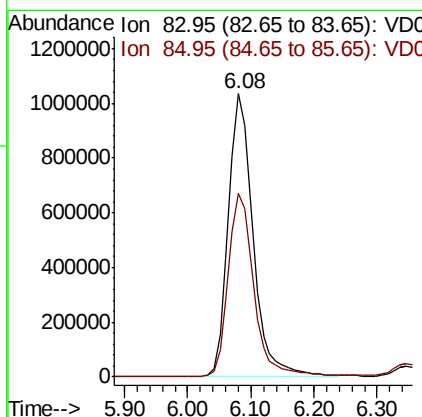
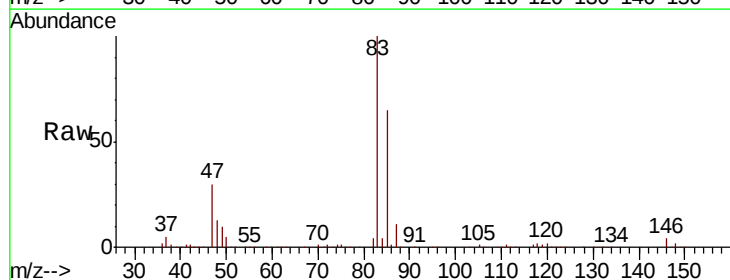
Manual Integrations
APPROVED

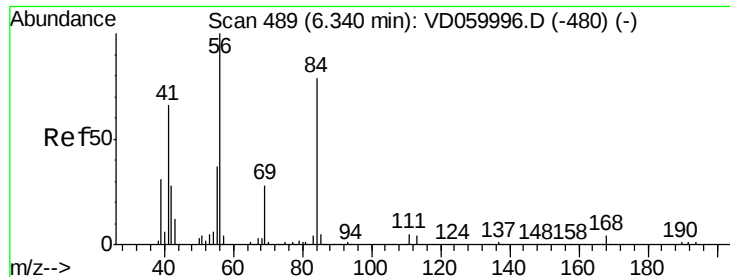
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#30
Chloroform
Concen: 94.02 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 83 Resp: 2823274
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8





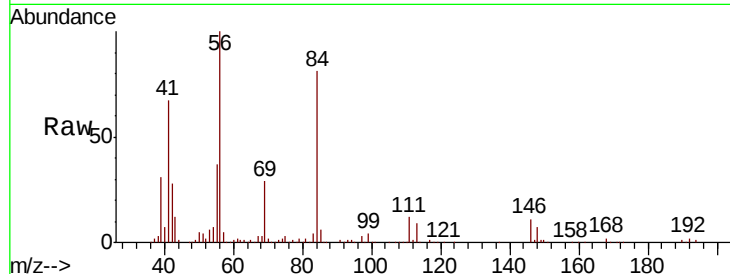
#31
Cyclohexane
Concen: 90.60 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

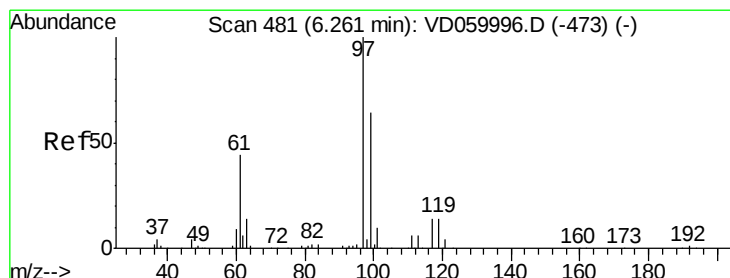
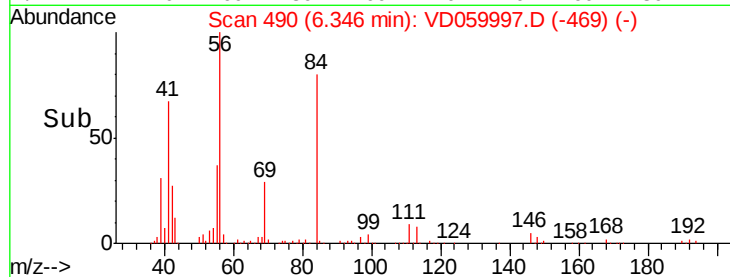
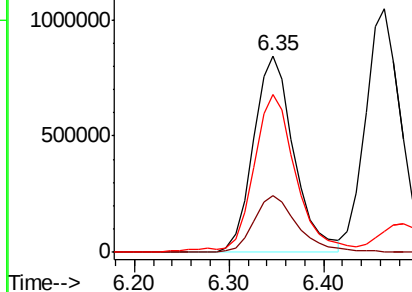
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.7	34.1
84	80.6	64.0	96.0

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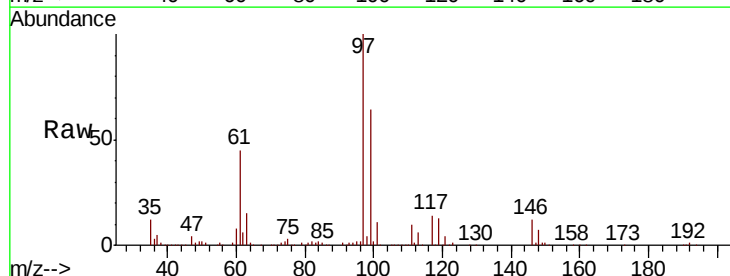


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

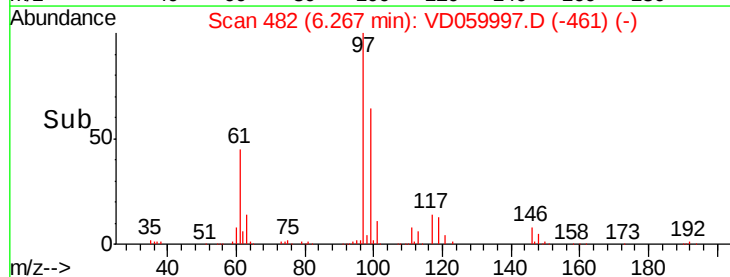
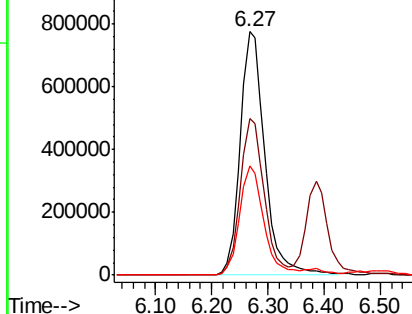


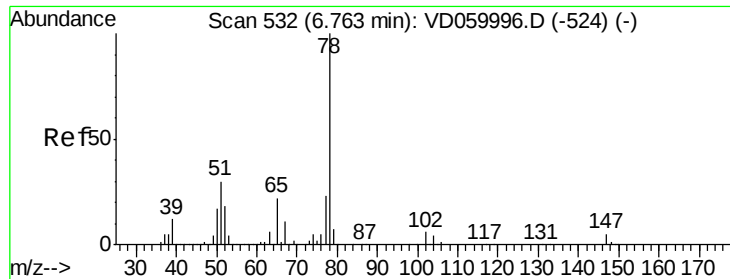
#32
1,1,1-Trichloroethane
Concen: 92.53 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	45.0	35.5	53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 92.53 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 65 Resp: 1188995

Ion Ratio Lower Upper

65 100

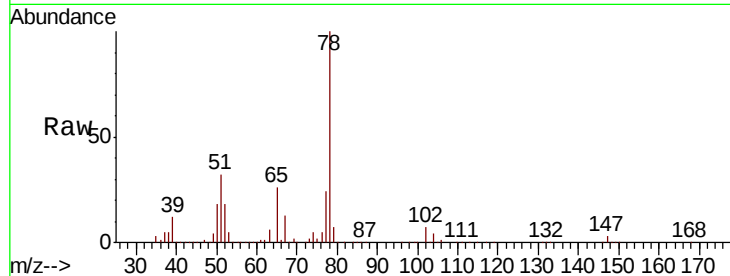
67 52.1 0.0 104.8

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

6.77

400000

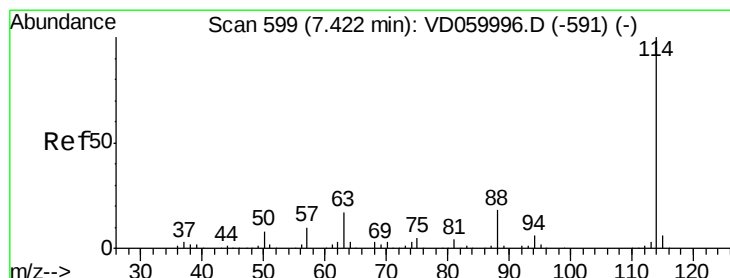
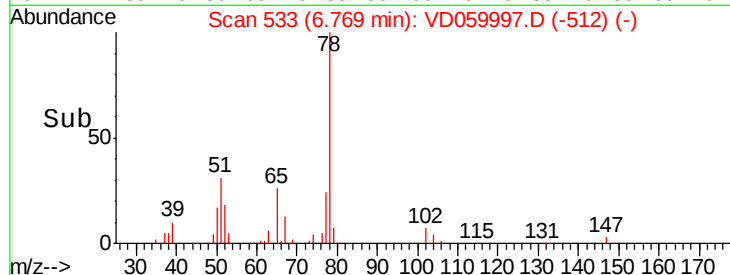
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

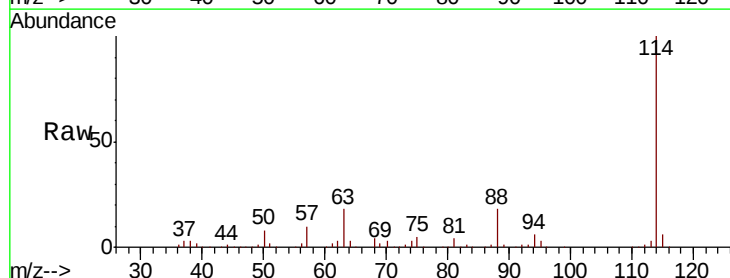
Tgt Ion: 114 Resp: 2278718

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 18.1 0.0 35.8



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

1200000

1000000

800000

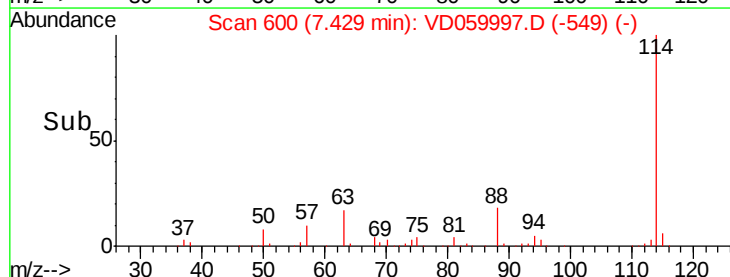
600000

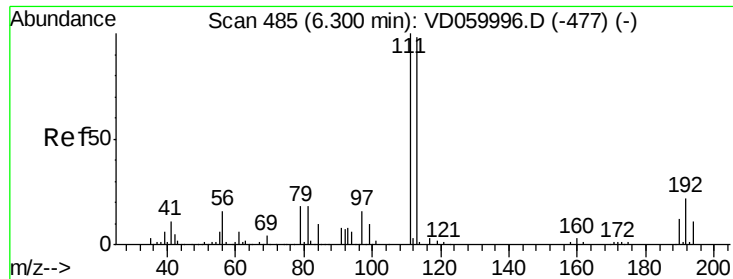
400000

200000

0

Time-->





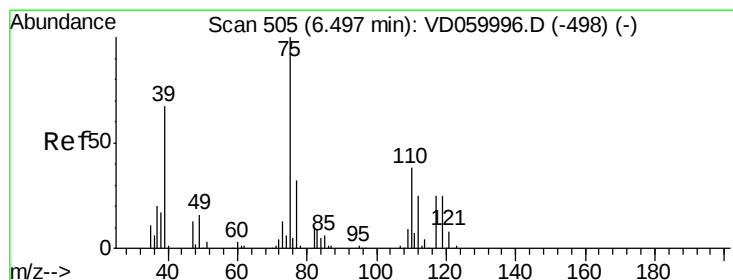
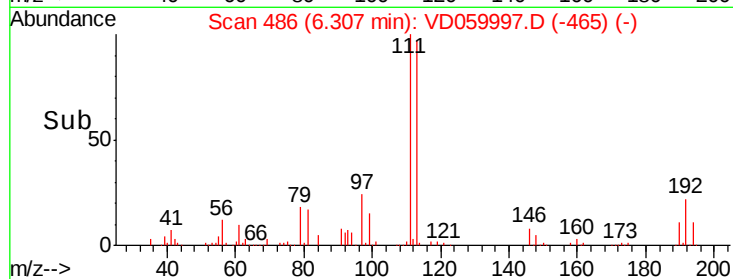
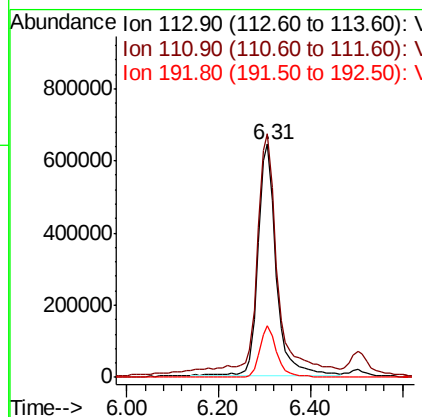
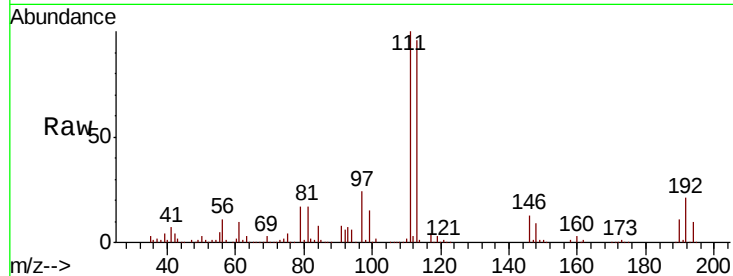
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion:113 Resp: 1757717
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.3 121.9
 192 21.9 18.1 27.1

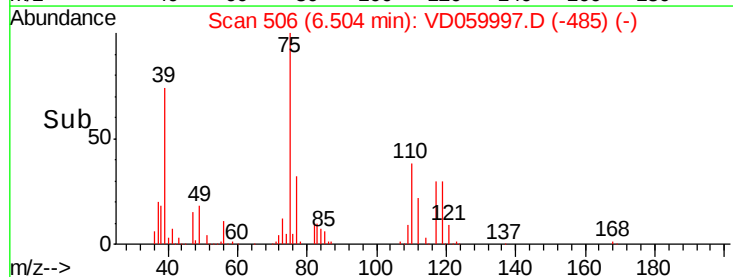
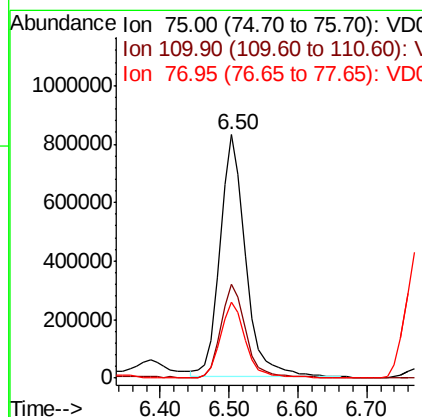
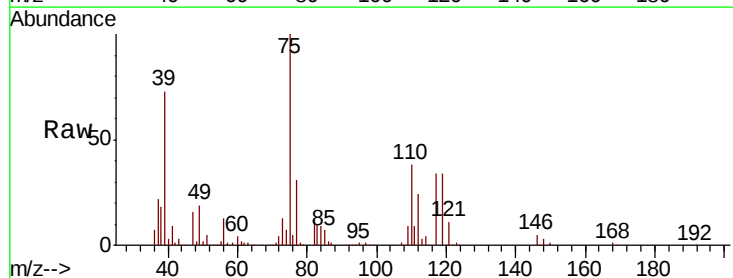
Manual Integrations
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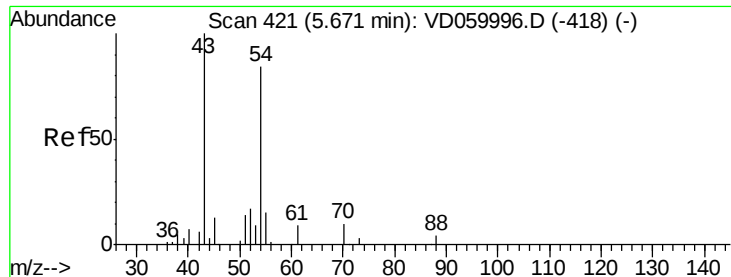
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#36
 1,1-Dichloropropene
 Concen: 100.47 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 75 Resp: 2123924
 Ion Ratio Lower Upper
 75 100
 110 38.4 18.9 56.9
 77 30.9 25.3 37.9





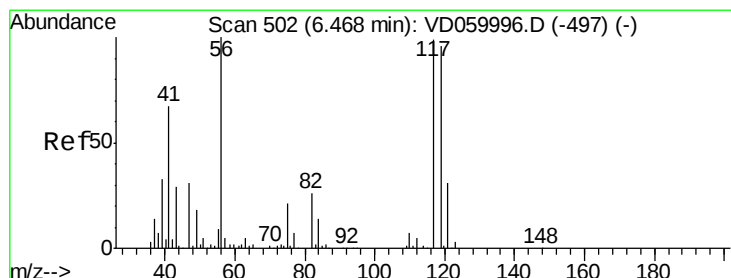
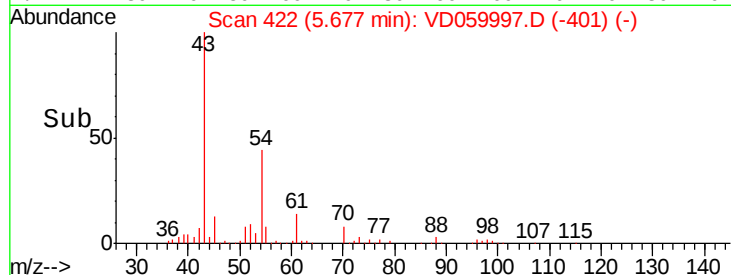
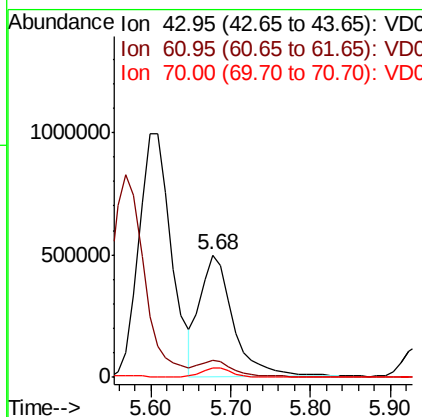
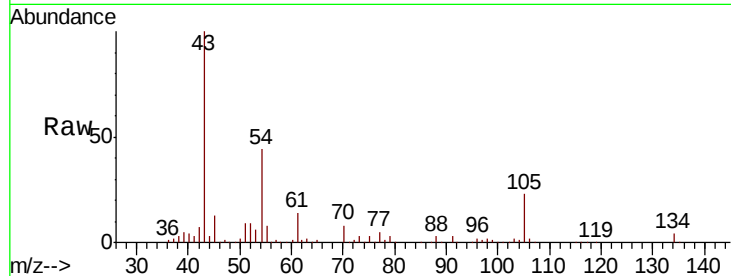
#37
Ethyl Acetate
Concen: 88.38 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 43 Resp: 1413551
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 7.5 6.1 9.1

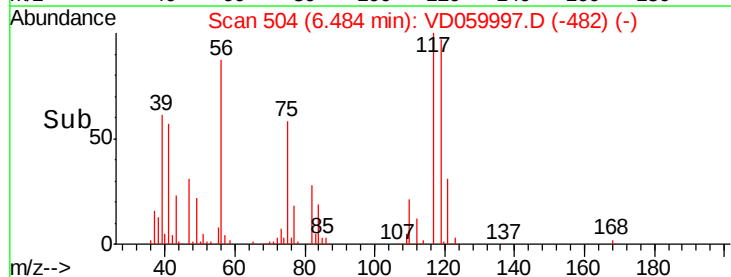
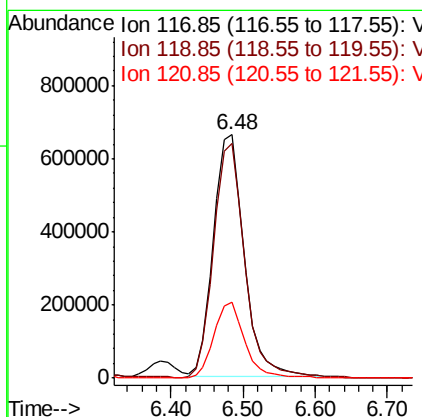
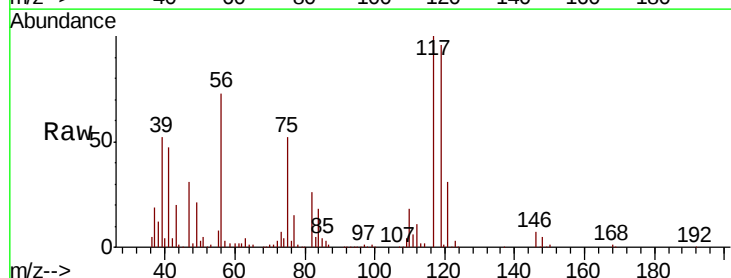
Manual Integrations
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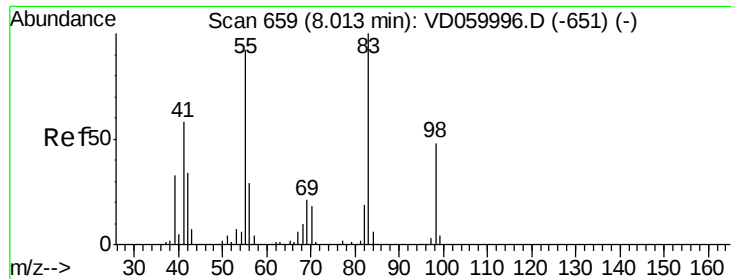
apatel
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#38
Carbon Tetrachloride
Concen: 92.38 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 117 Resp: 1959197
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
121 31.2 24.9 37.3





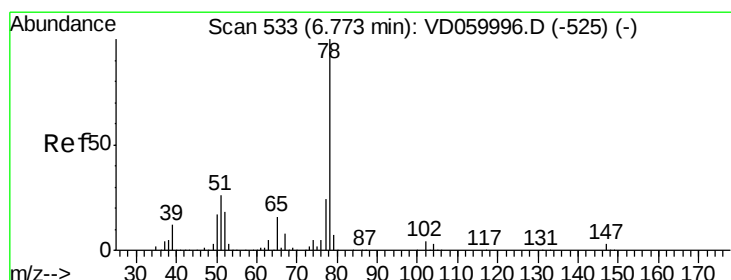
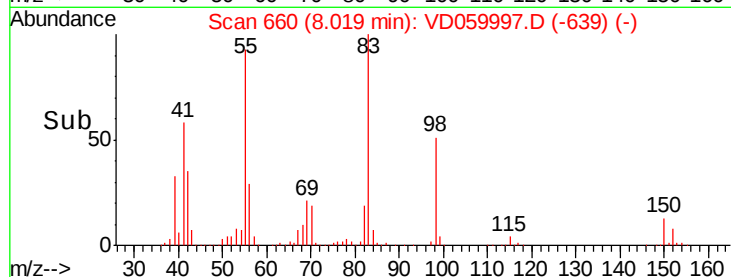
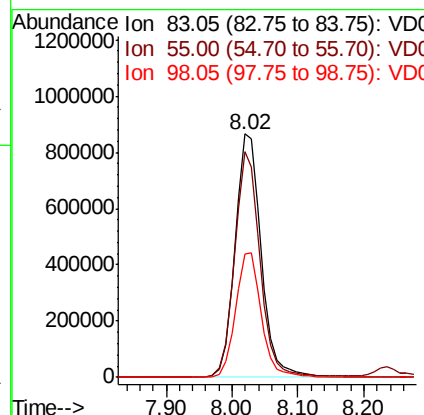
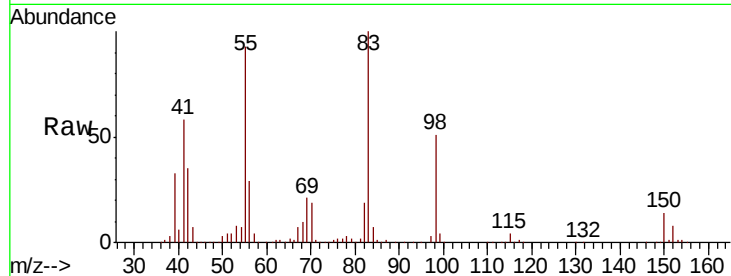
#39
Methvlcvclohexane
Concen: 104.80 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 83 Resp: 2415694
Ion Ratio Lower Upper
83 100
55 92.9 73.8 110.6
98 50.9 38.1 57.1

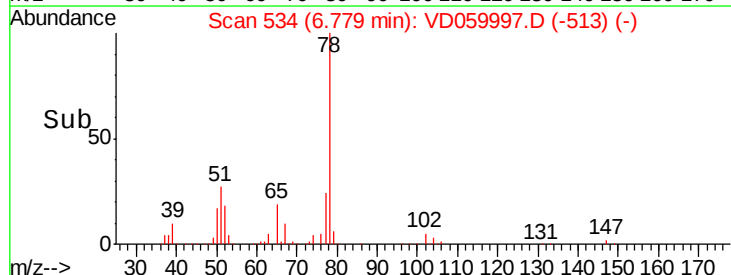
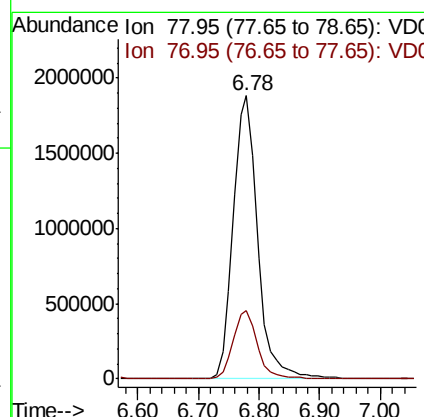
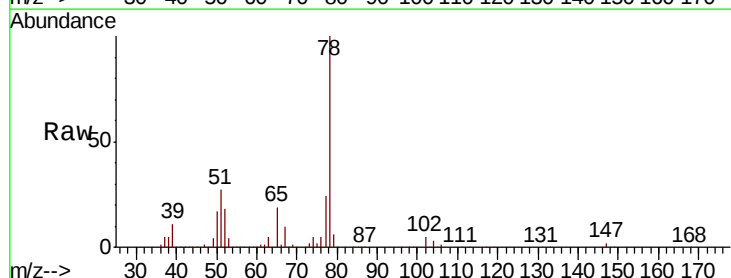
Manual Integrations
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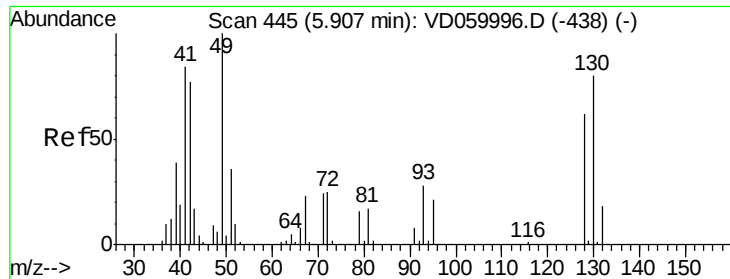
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#40
Benzene
Concen: 95.93 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 78 Resp: 5282806
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





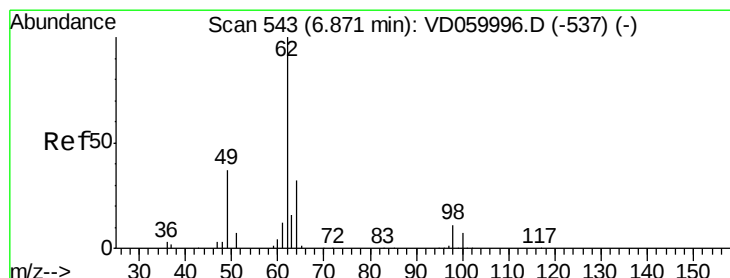
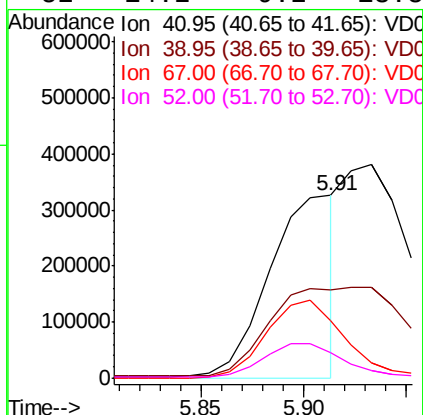
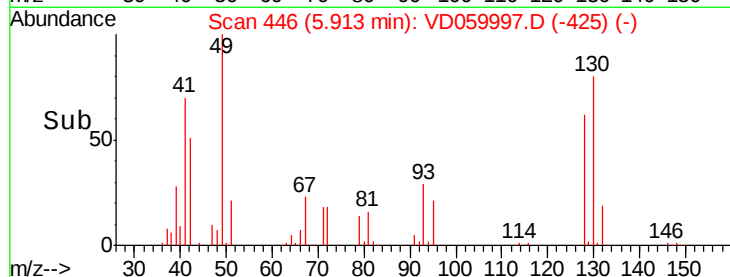
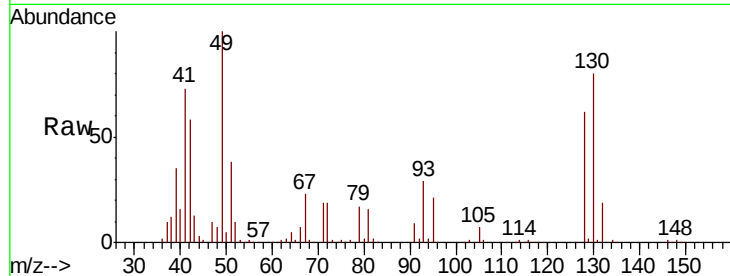
#41
Methacrylonitrile
Concen: 92.06 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	37.5	56.3
67	31.6	21.5	32.3
52	14.2	9.2	13.8

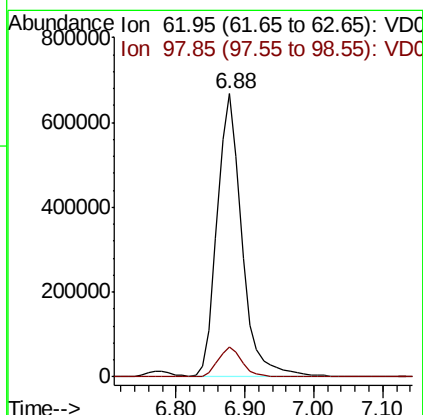
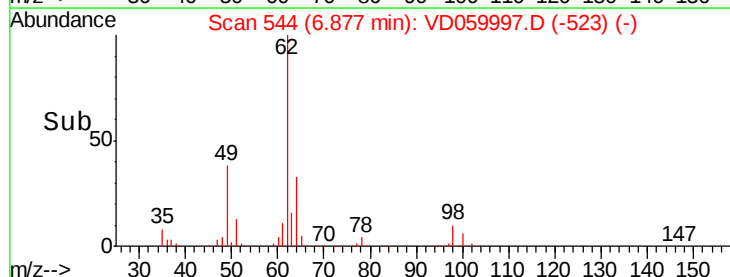
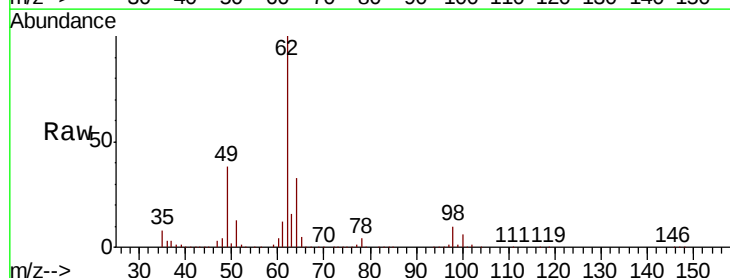
Manual Integrations
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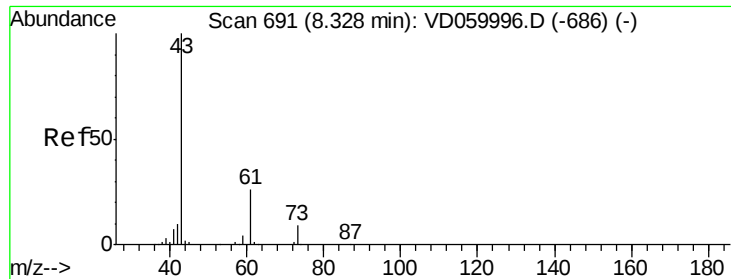
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#42
1,2-Dichloroethane
Concen: 95.88 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





#43

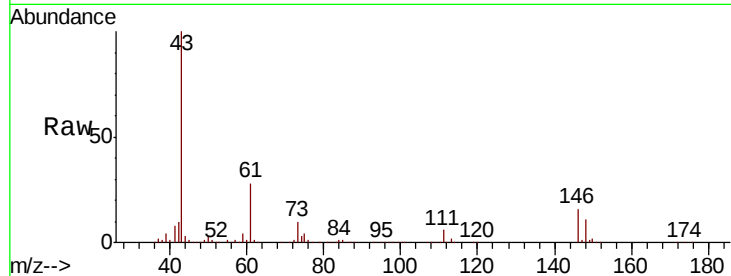
Isopropyl Acetate
 Concen: 94.88 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCC100

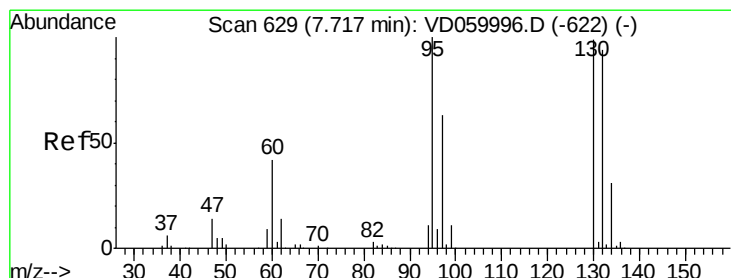
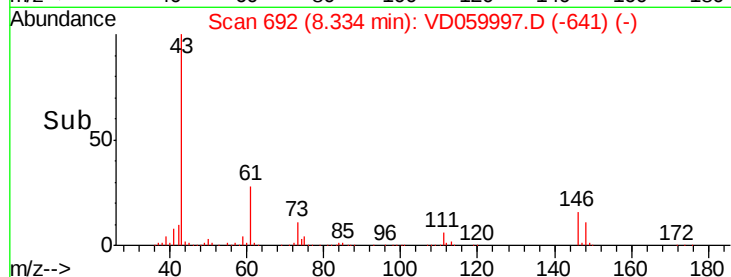
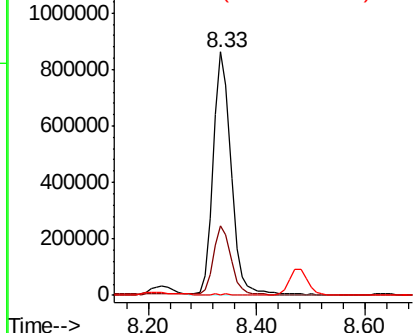
Tot Ion: 43 Resp: 1987639
 Ion Ratio Lower Upper
 43 100
 61 28.5 21.0 31.6
 87 0.4 0.2 0.2#

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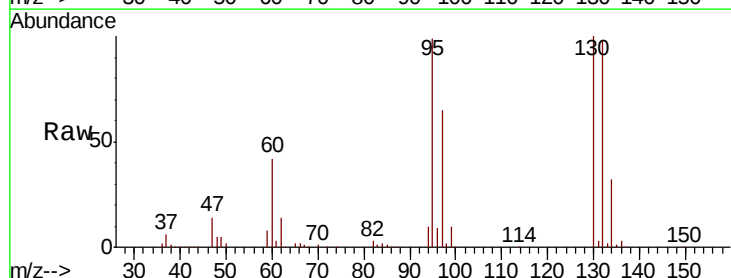
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



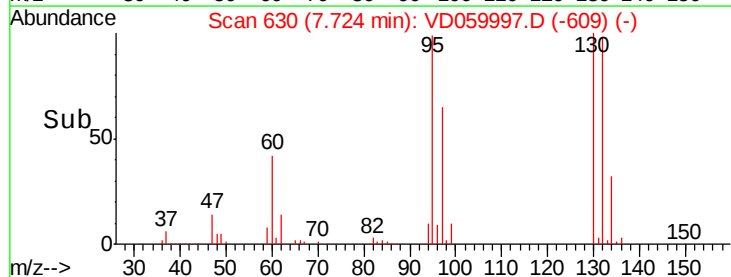
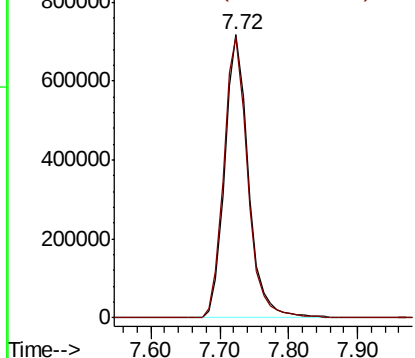
#44

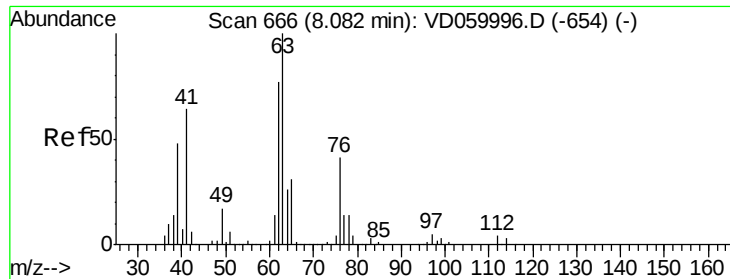
Trichloroethene
 Concen: 104.78 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 130 Resp: 1710248
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 95.91 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 63 Resp: 1458942

Ion Ratio Lower Upper

63 100

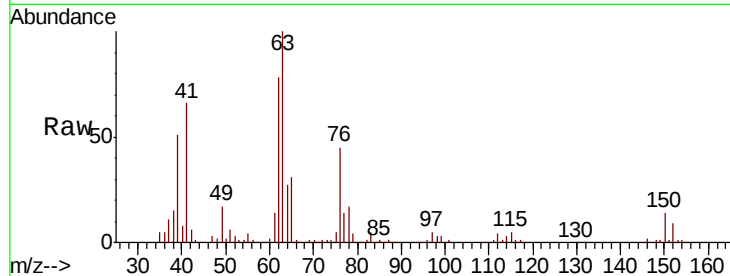
65 31.1 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

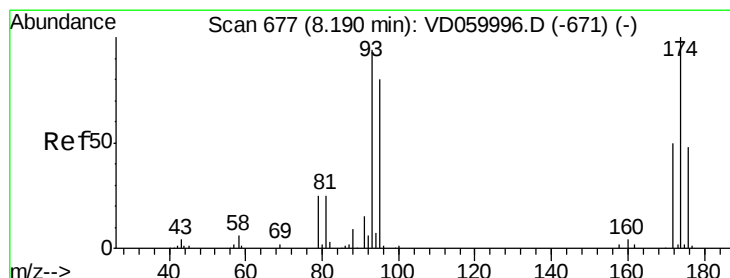
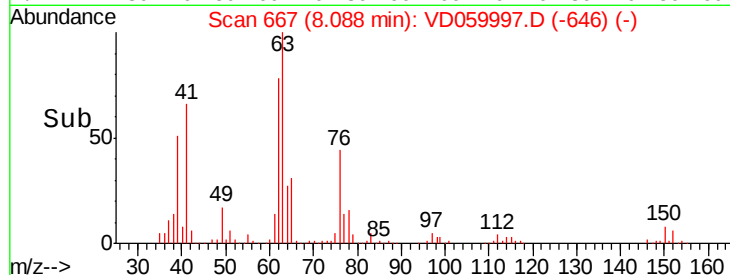
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 98.26 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

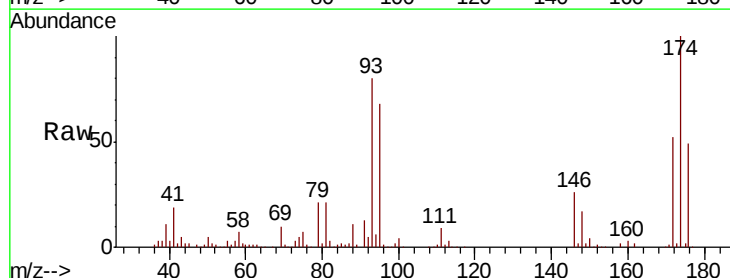
Tgt Ion: 93 Resp: 962041

Ion Ratio Lower Upper

93 100

95 85.4 68.0 102.0

174 124.9 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.21

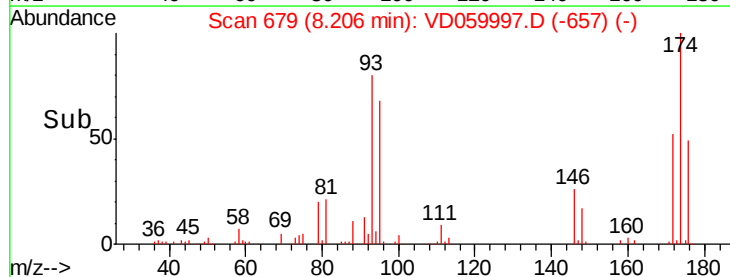
600000

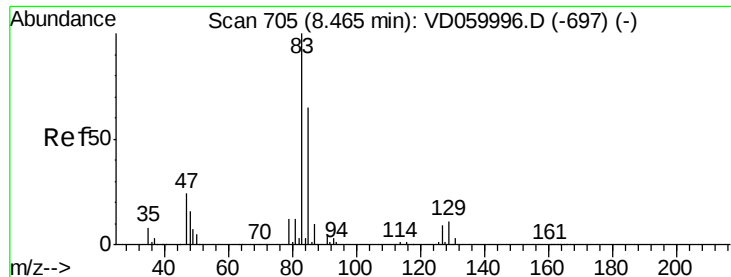
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 97.84 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 83 Resp: 2149583

Ion Ratio Lower Upper

83 100

85 63.9 51.9 77.9

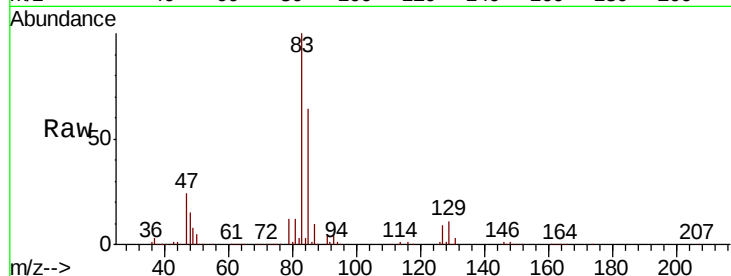
127 8.7 6.8 10.2

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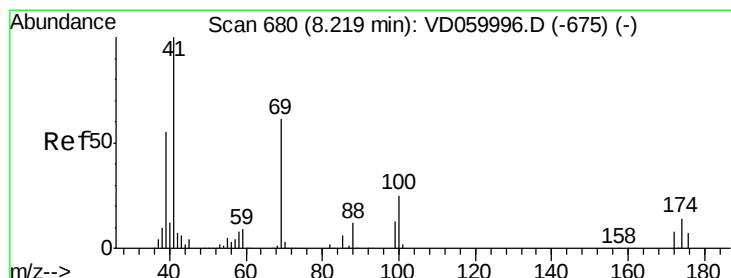
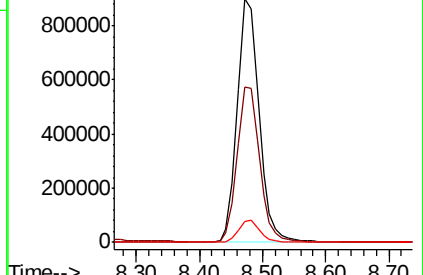
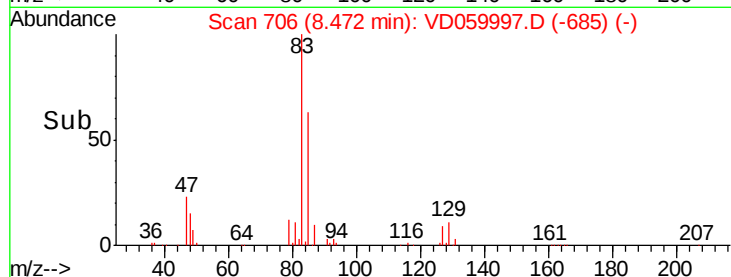
9/14/2018 10:57:57 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 90.29 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

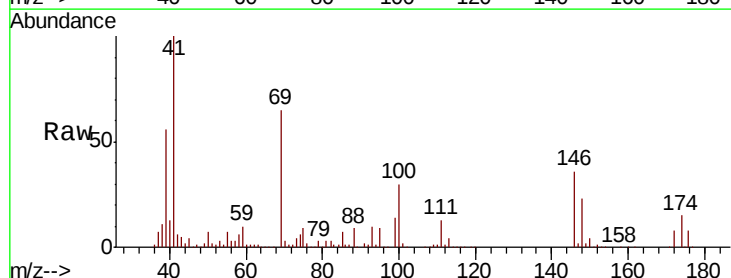
Tgt Ion: 41 Resp: 1100871

Ion Ratio Lower Upper

41 100

69 64.9 48.3 72.5

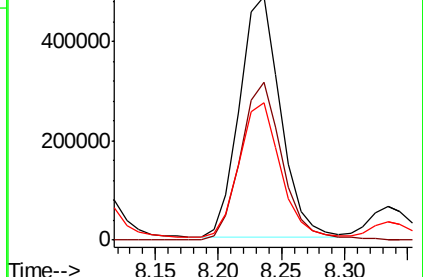
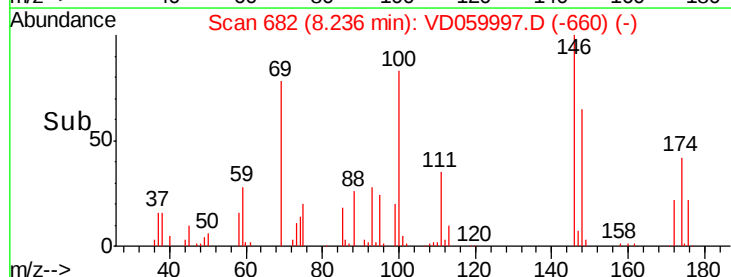
39 56.4 44.1 66.1

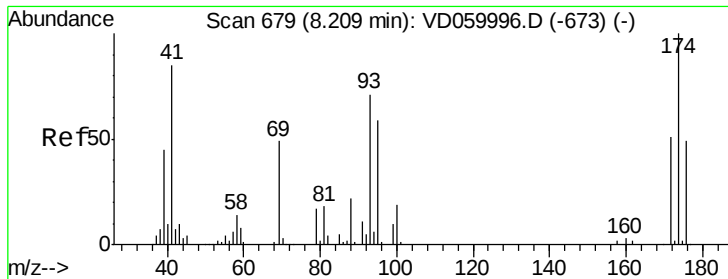


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





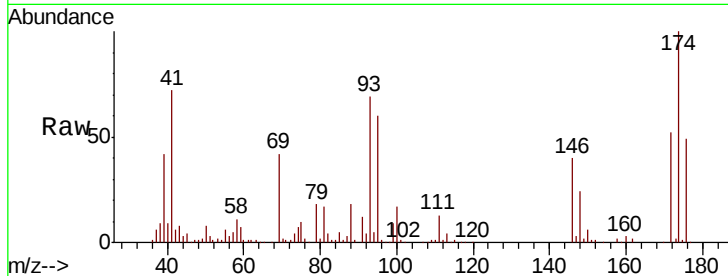
#49
1,4-Dioxane
Concen: 2035.66 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

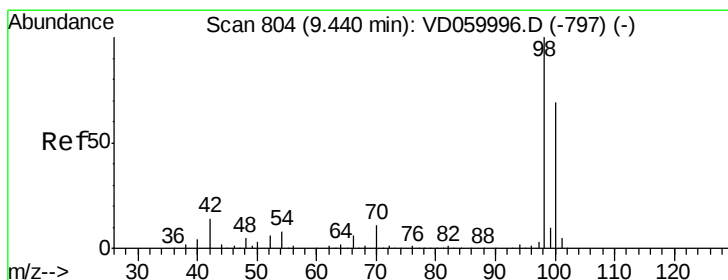
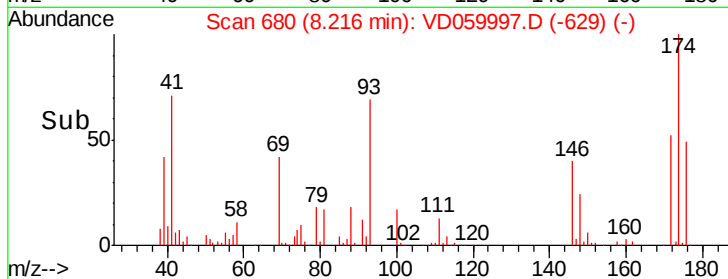
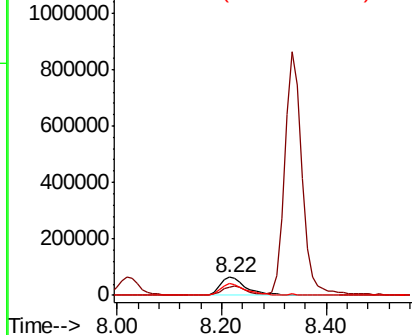
Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	36.2	54.2
58	64.4	51.0	76.6

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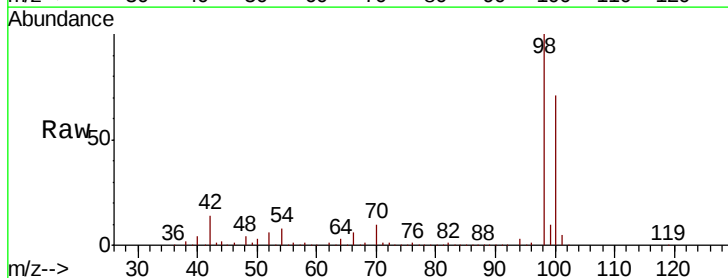


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

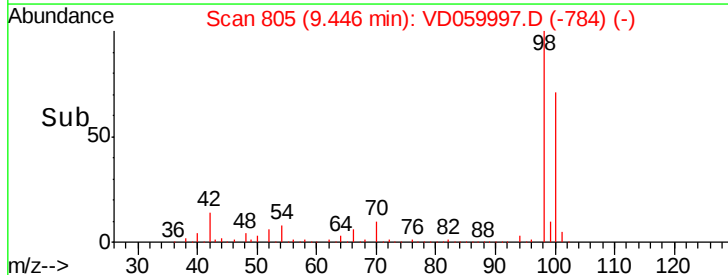
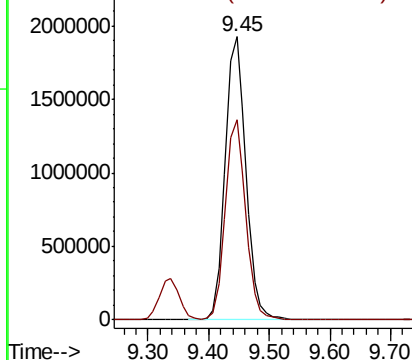


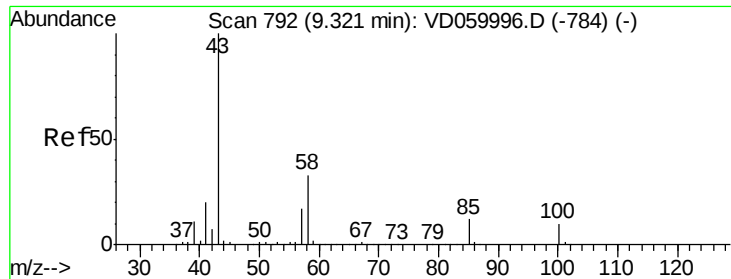
#50
Toluene-d8
Concen: 2035.66 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.8	55.8	83.6



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: 398.84 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampled :

VSTDCC100

Tot Ion: 43 Resp: 5956639

Ion Ratio Lower Upper

43 100

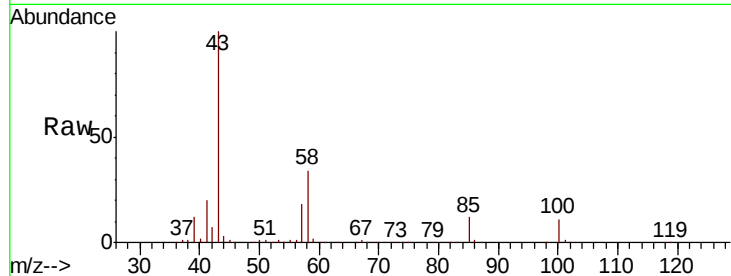
58 34.4 26.4 39.6

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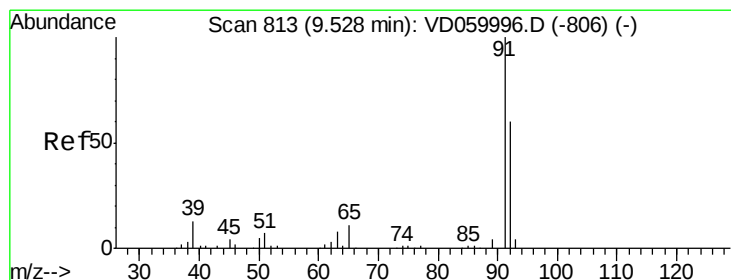
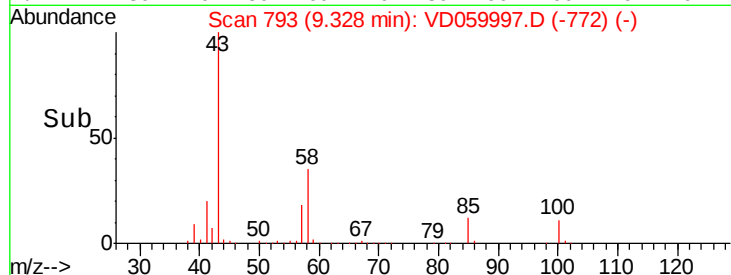
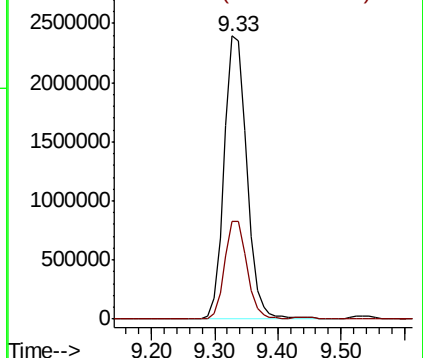
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 99.05 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD059997.D

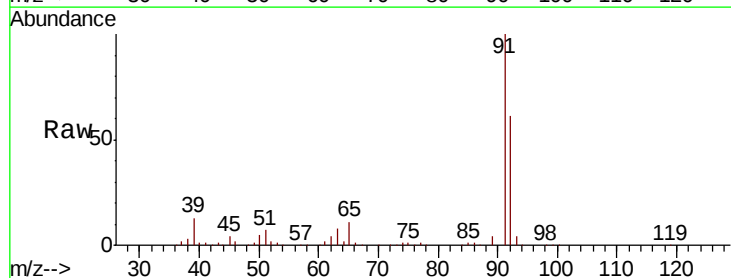
Acq: 13 Sep 2018 15:03

Tgt Ion: 92 Resp: 3490058

Ion Ratio Lower Upper

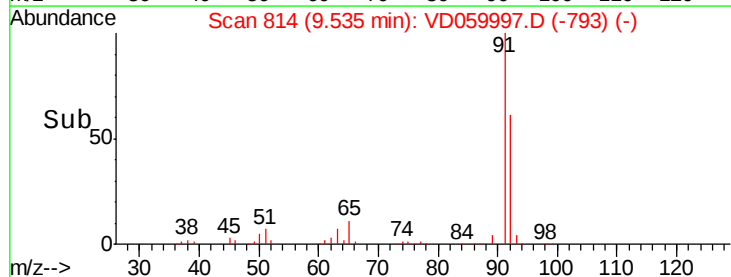
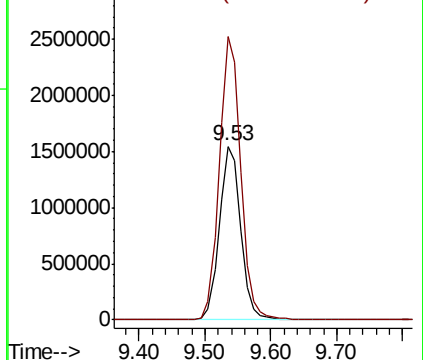
92 100

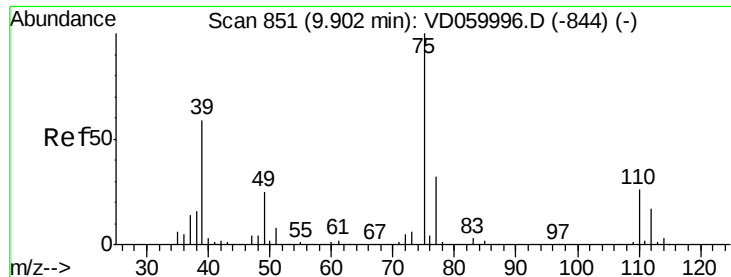
91 163.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





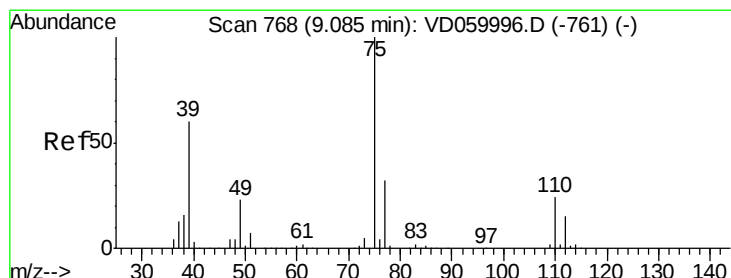
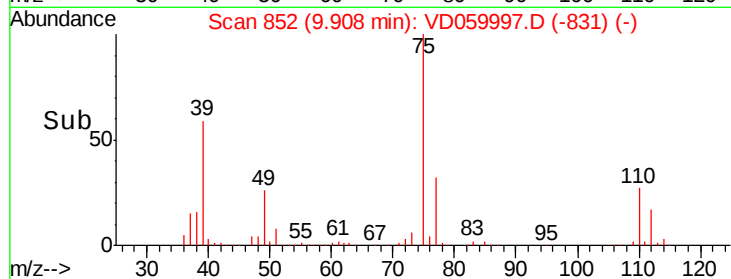
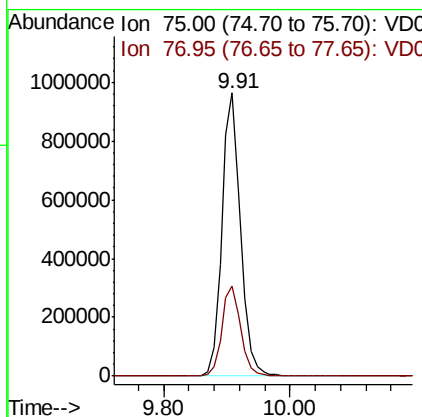
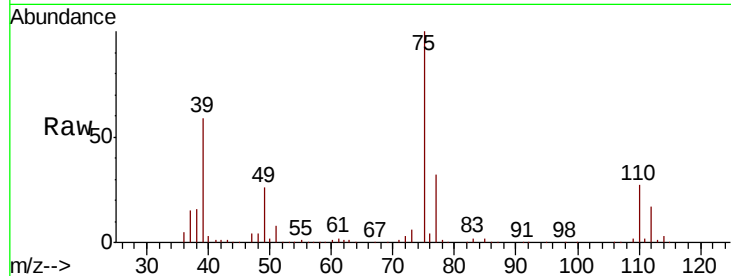
#53
t-1,3-Dichloropropene
Concen: 97.04 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 75 Resp: 1966555
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

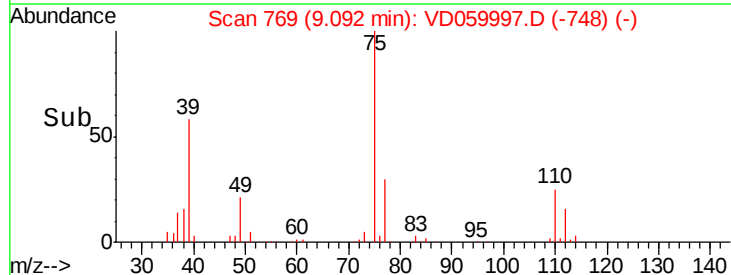
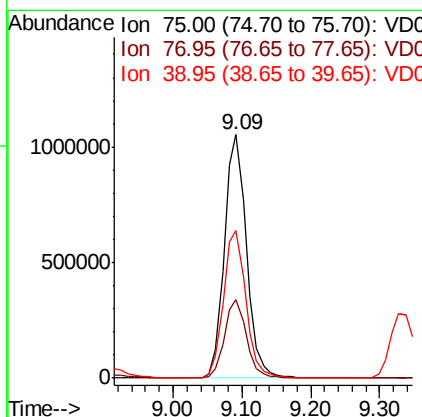
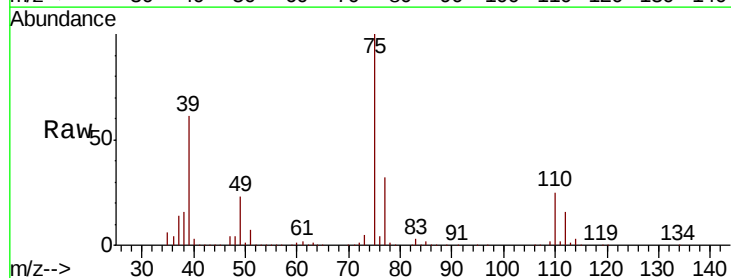
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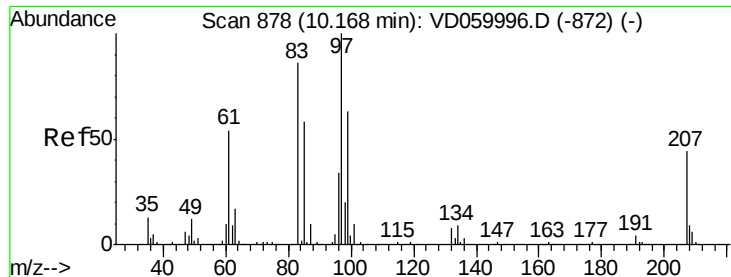
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#54
cis-1,3-Dichloropropene
Concen: 98.32 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 75 Resp: 2339330
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
39 60.9 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 93.73 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 97 Resp: 1190551

Ion Ratio Lower Upper

97 100

83 82.1 69.1 103.7

85 55.3 46.2 69.4

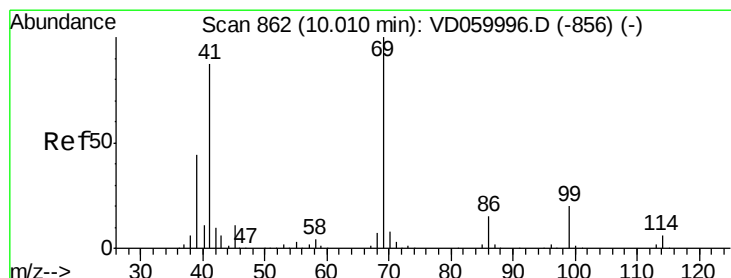
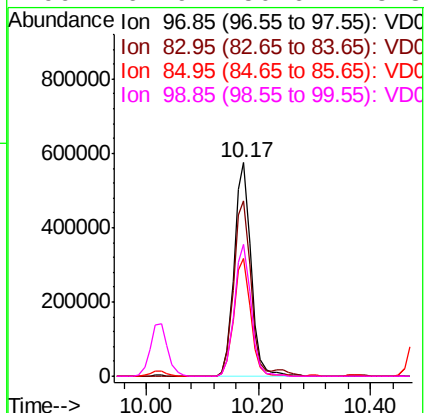
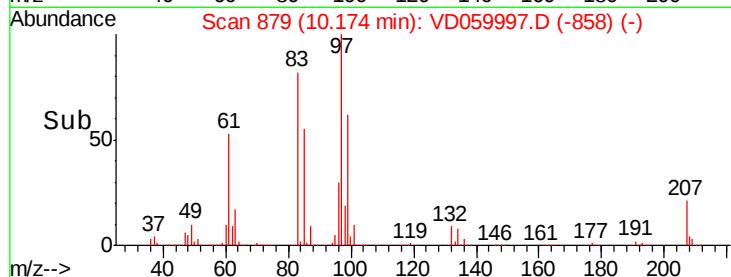
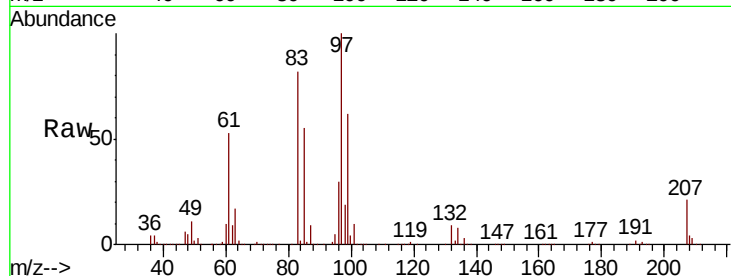
99 61.9 50.6 75.8

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#56

Ethyl methacrylate

Concen: 96.81 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

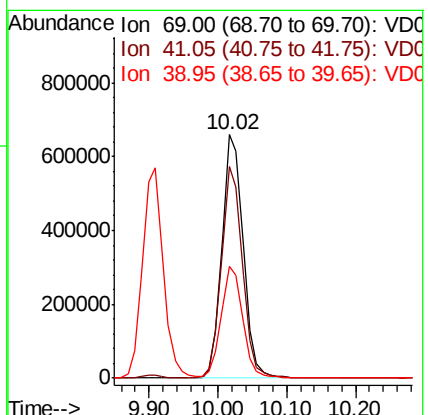
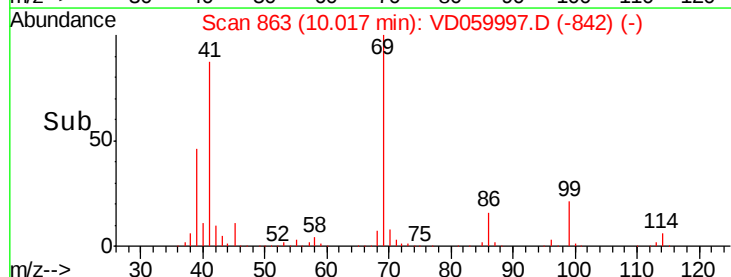
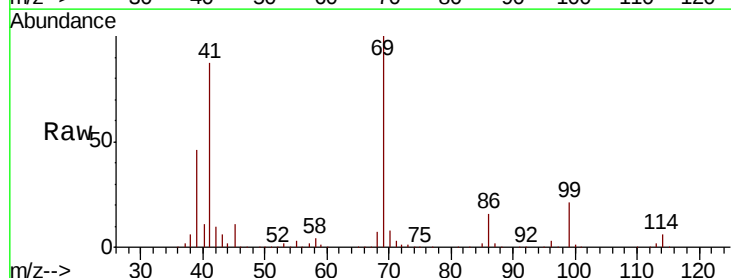
Tgt Ion: 69 Resp: 1408492

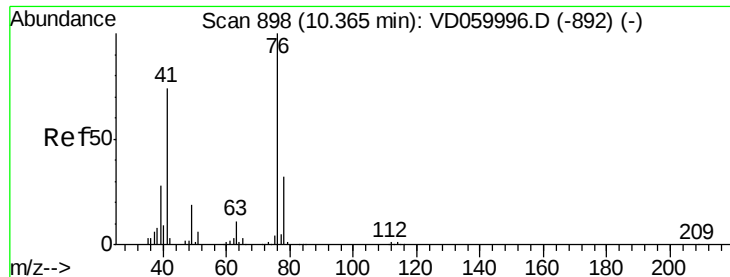
Ion Ratio Lower Upper

69 100

41 87.0 70.1 105.1

39 46.0 36.5 54.7





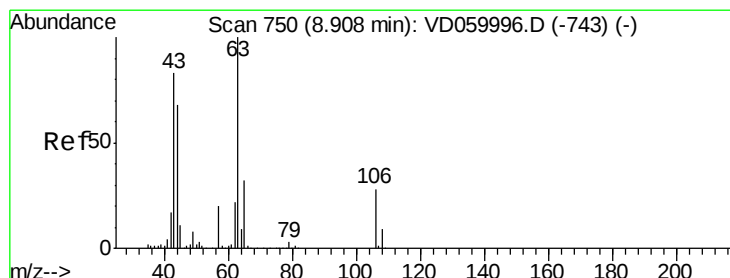
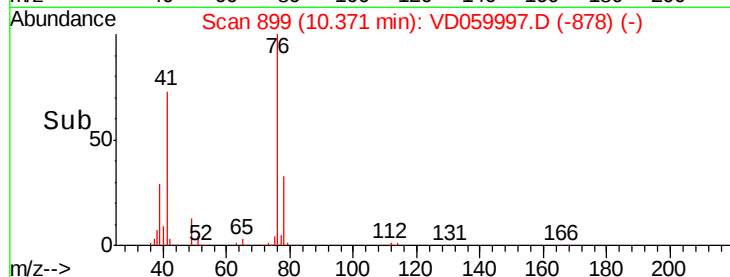
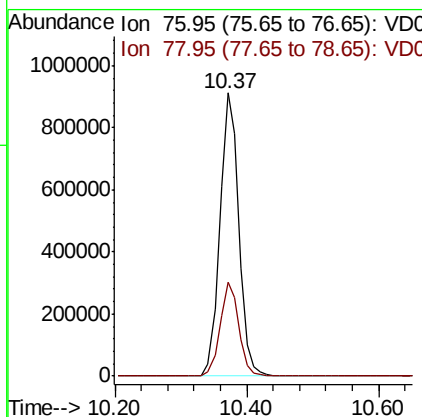
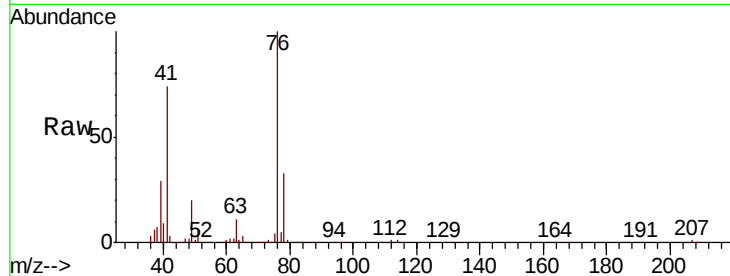
#57
 1,3-Dichloropropane
 Concen: 98.66 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion: 76 Resp: 1816197
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.3 37.9

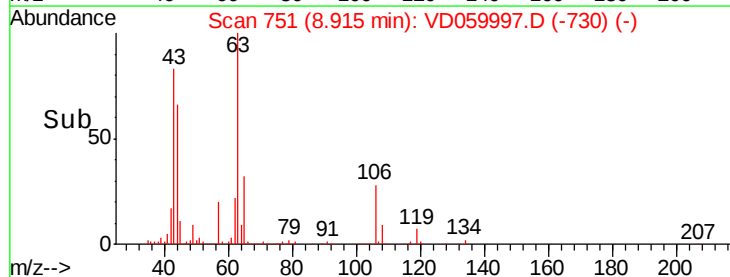
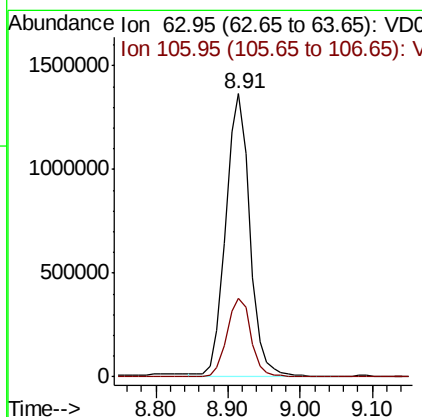
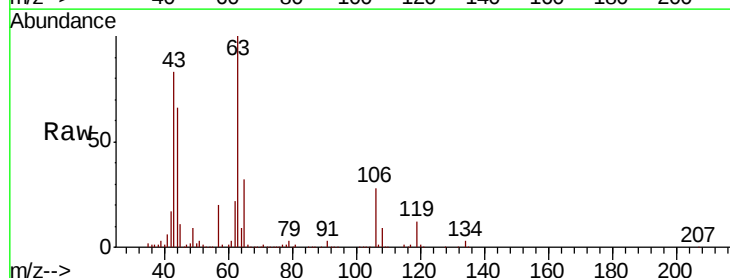
Manual Integrations
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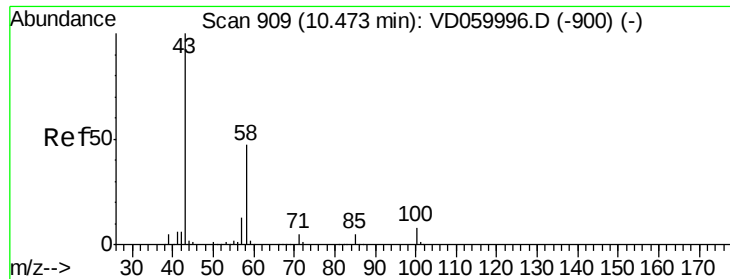
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#58
 2-Chloroethyl Vinyl ether
 Concen: 452.90 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 63 Resp: 3156464
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.0 33.0





#59

2-Hexanone

Concen: 383.56 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 43 Resp: 4224530

Ion Ratio Lower Upper

43 100

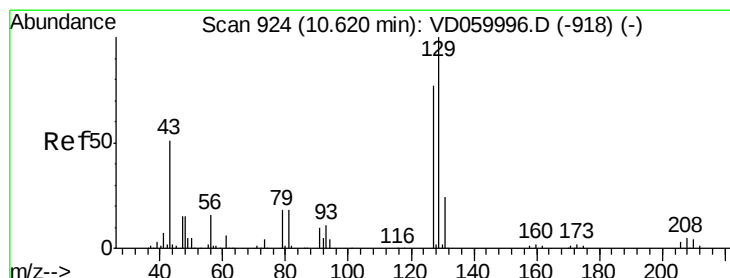
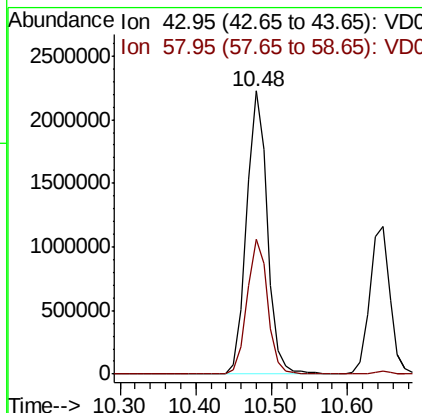
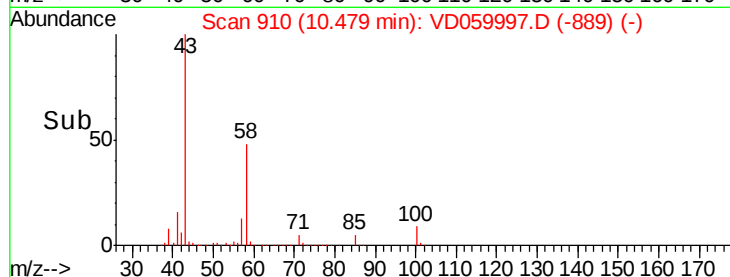
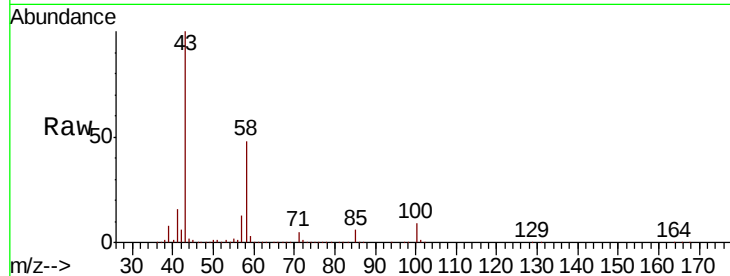
58 47.8 23.4 70.0

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#60

Dibromochloromethane

Concen: 96.37 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.01 min

Lab File: VD059997.D

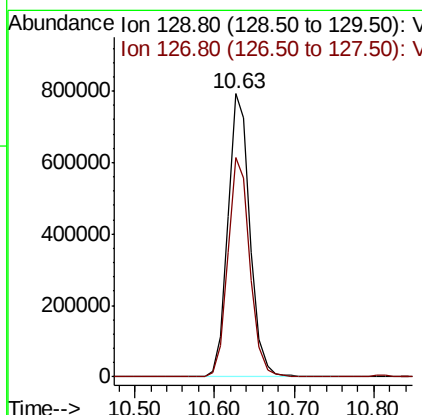
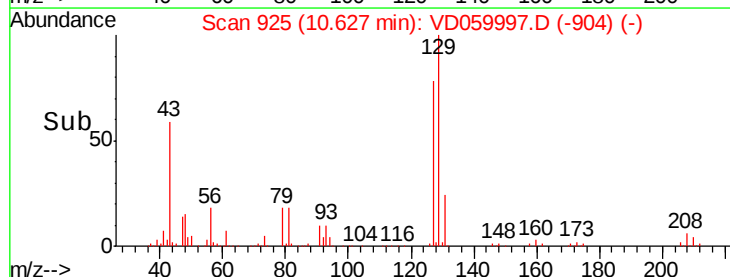
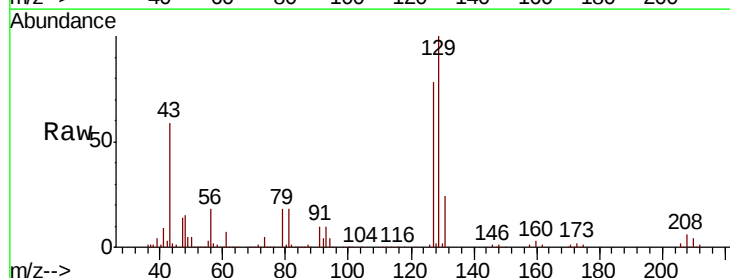
Acq: 13 Sep 2018 15:03

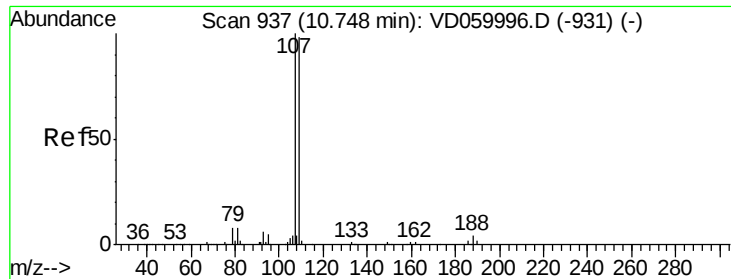
Tgt Ion: 129 Resp: 1535826

Ion Ratio Lower Upper

129 100

127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 101.65 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion:107 Resp: 1304489

Ion Ratio Lower Upper

107 100

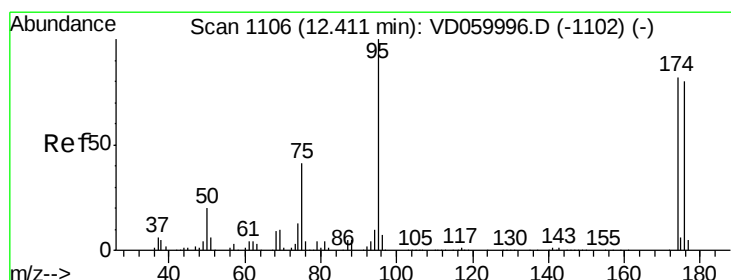
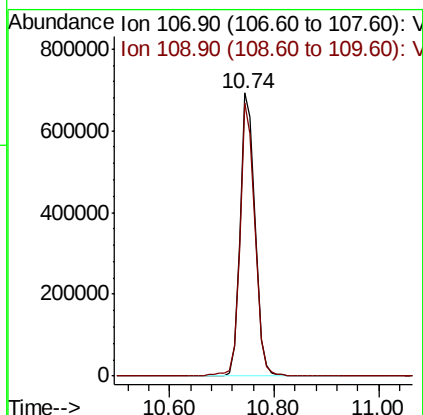
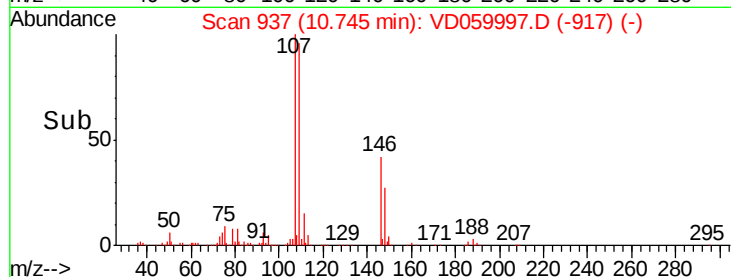
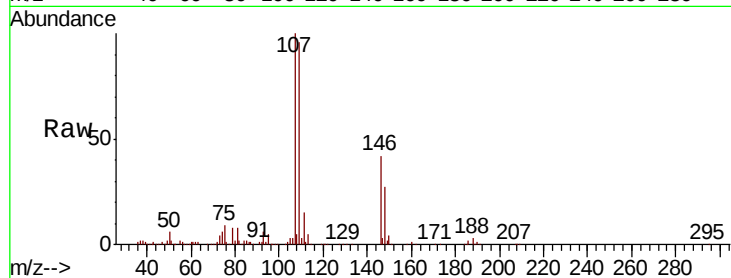
109 96.3 78.2 117.2

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#62

4-Bromofluorobenzene

Concen: 101.65 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

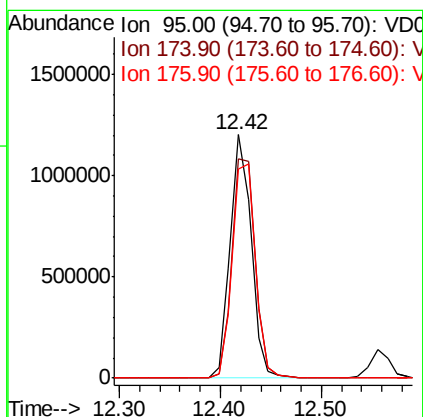
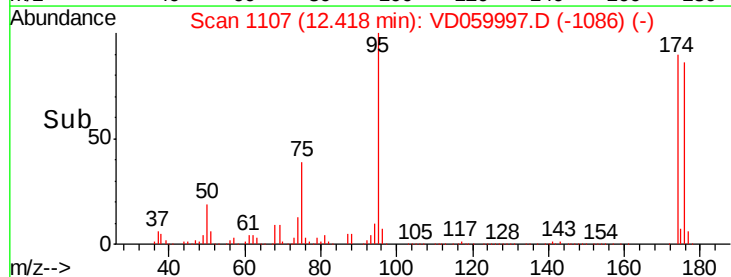
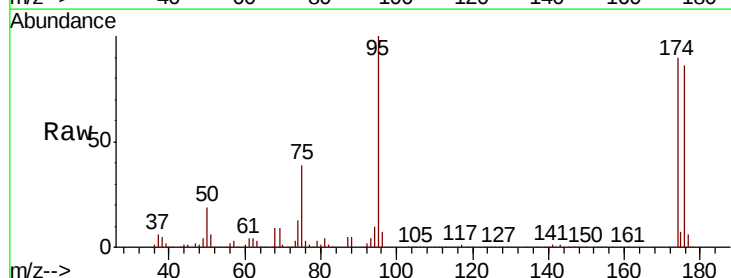
Tgt Ion: 95 Resp: 1738721

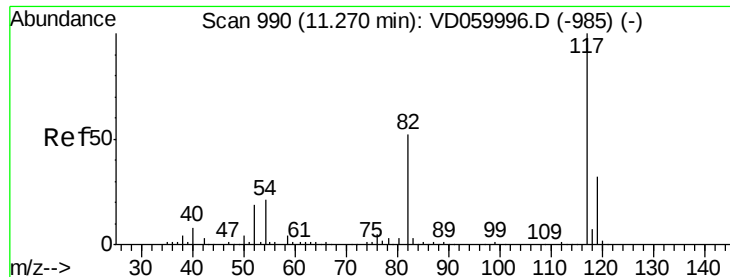
Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.0

176 85.9 0.0 160.2





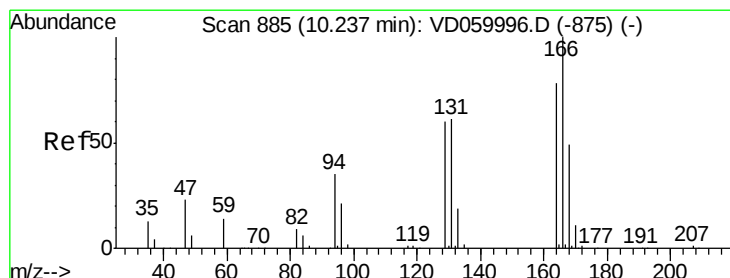
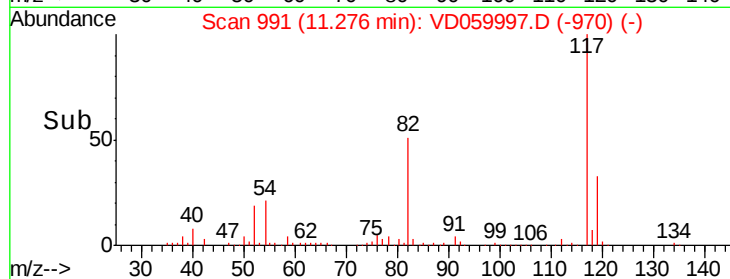
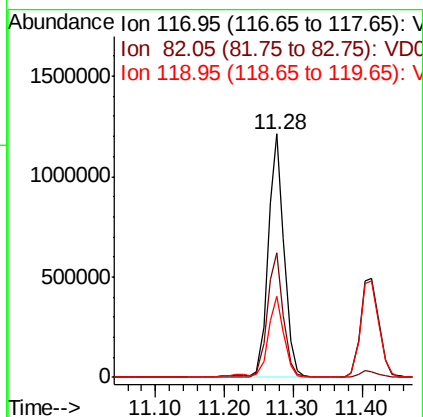
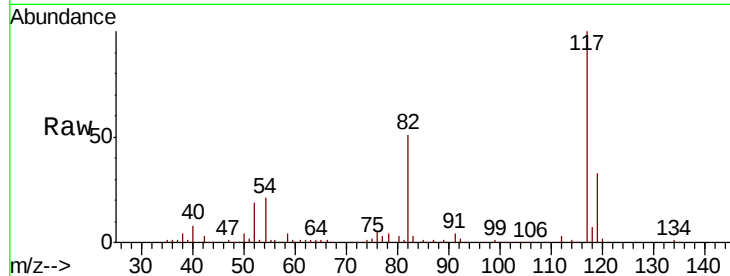
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion:117 Resp: 1973420
Ion Ratio Lower Upper
117 100
82 51.0 41.7 62.5
119 33.2 26.0 39.0

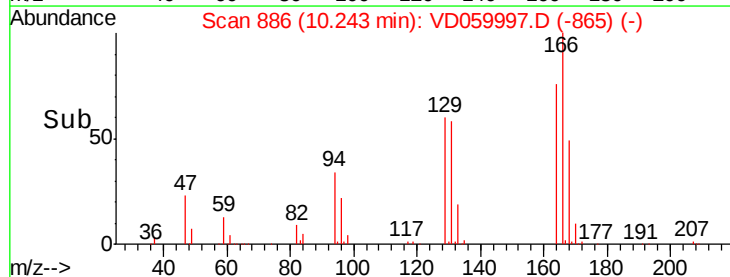
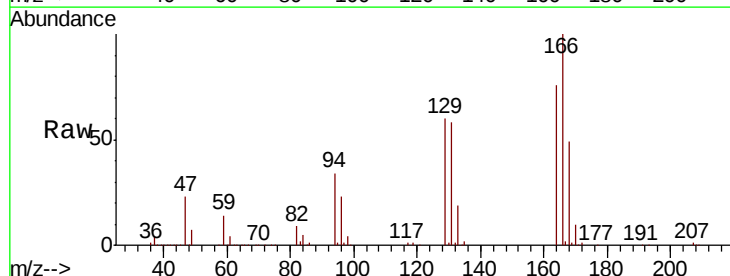
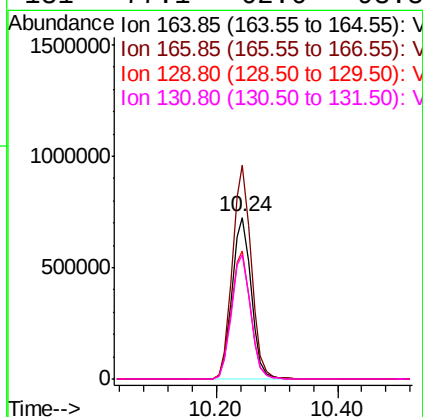
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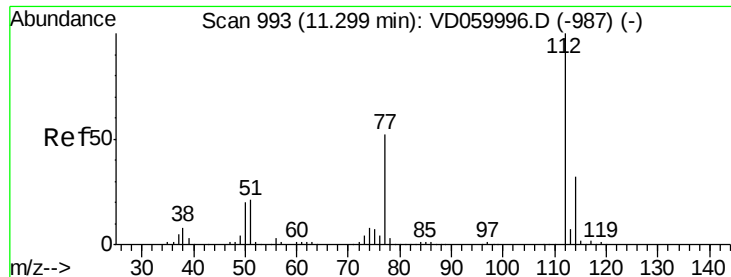
apatel
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#64
Tetrachloroethene
Concen: 100.68 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:164 Resp: 1594115
Ion Ratio Lower Upper
164 100
166 132.1 103.0 154.6
129 79.2 61.9 92.9
131 77.1 62.6 93.8





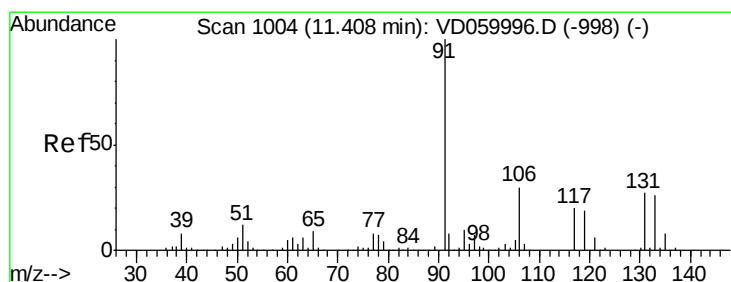
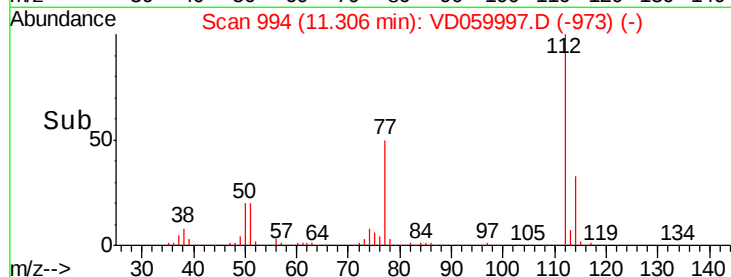
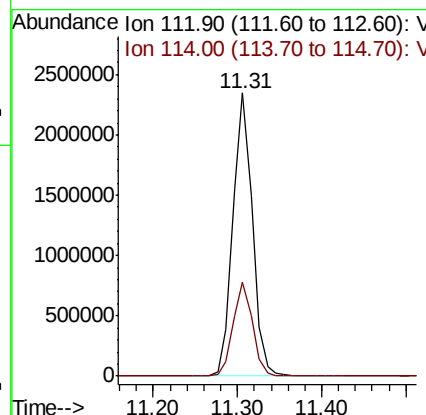
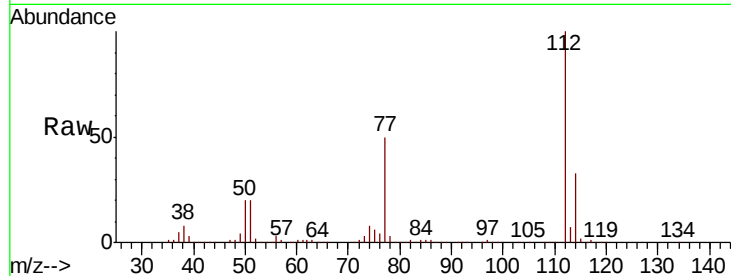
#65
Chlorobenzene
Concen: 93.41 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion:112 Resp: 3759675
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9

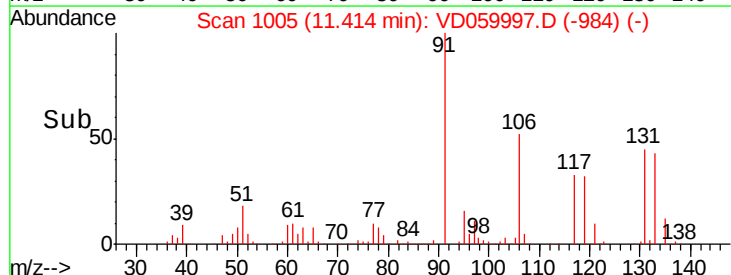
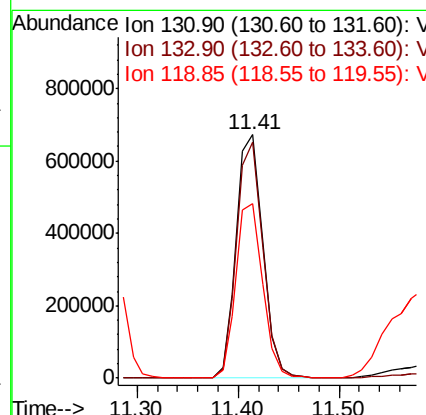
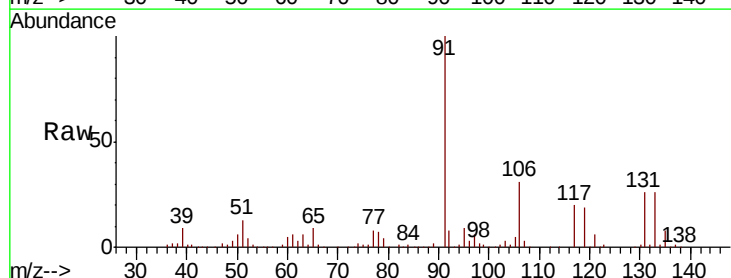
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#66
1,1,1,2-Tetrachloroethane
Concen: 85.36 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:131 Resp: 1238242
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.3
119 71.6 35.6 106.9





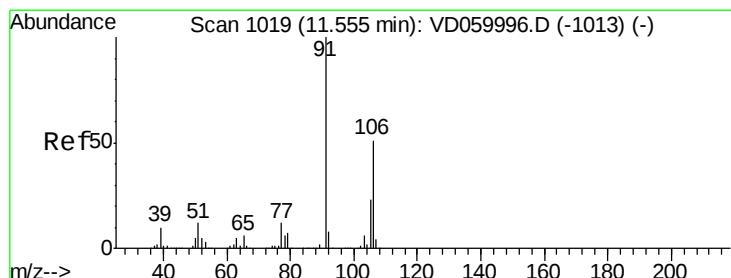
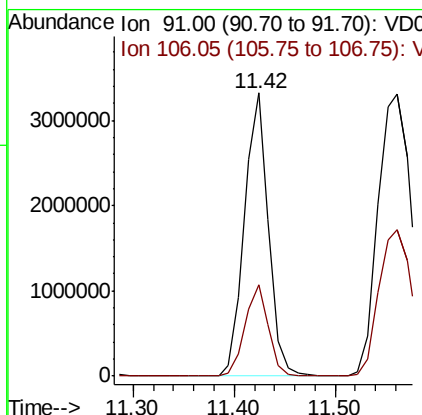
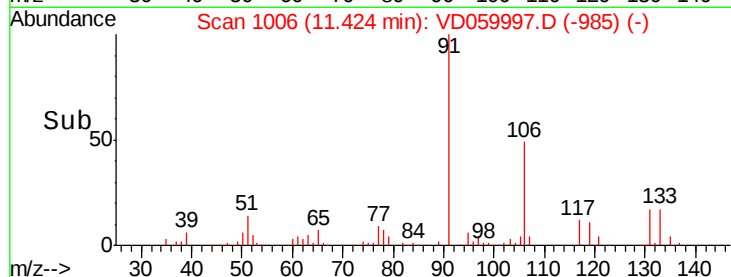
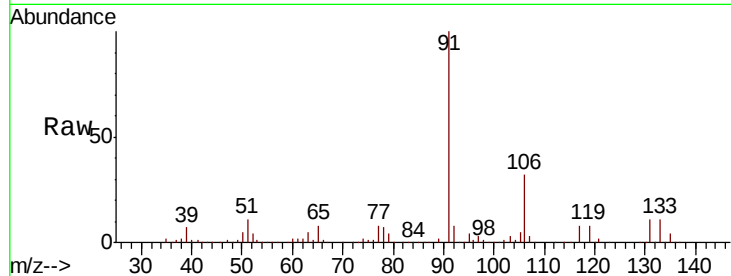
#67
Ethyl Benzene
Concen: 81.62 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :
VSTDCC100

Tot Ion: 91 Resp: 5488536
Ion Ratio Lower Upper
91 100
106 32.3 24.8 37.2

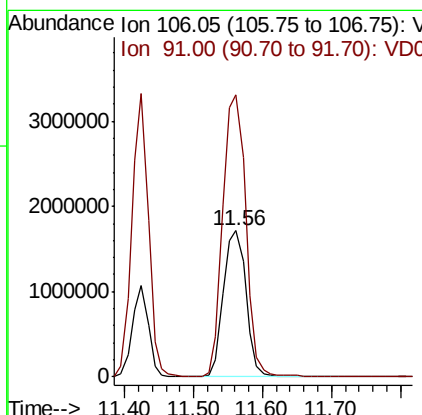
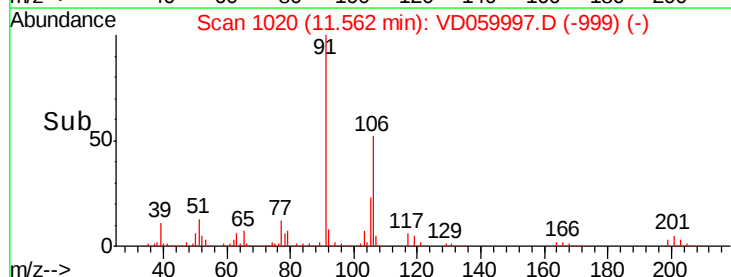
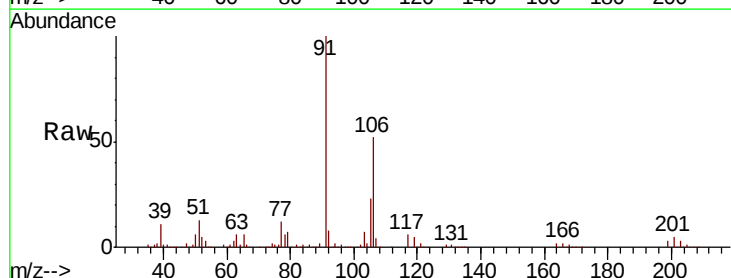
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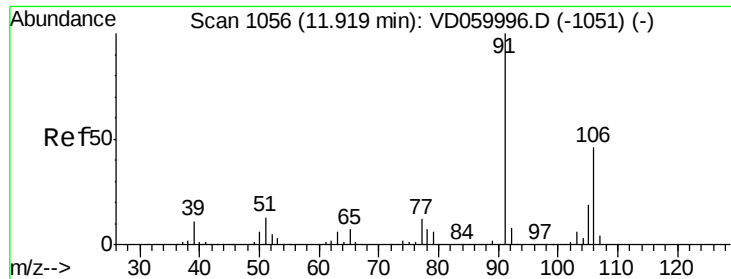
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#68
m/p-Xylenes
Concen: 157.28 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:106 Resp: 3887987
Ion Ratio Lower Upper
106 100
91 192.7 157.0 235.6





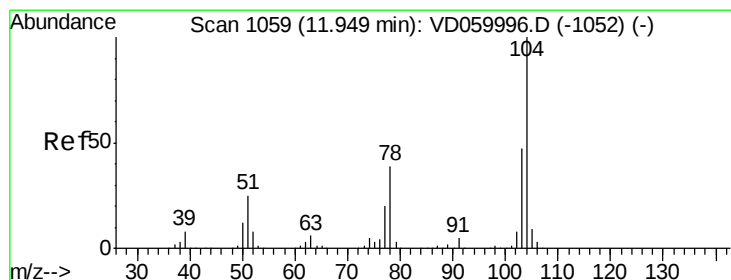
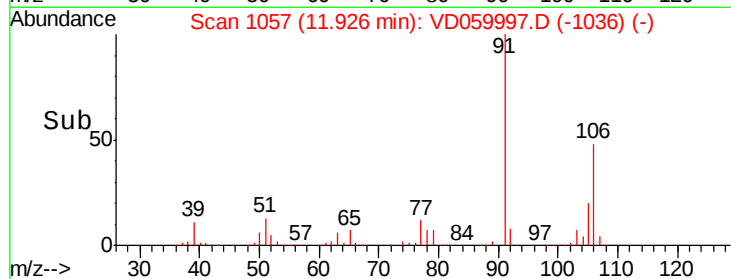
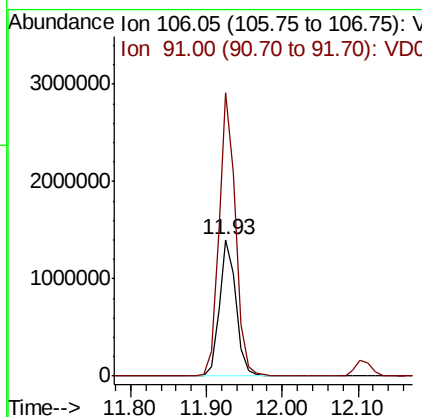
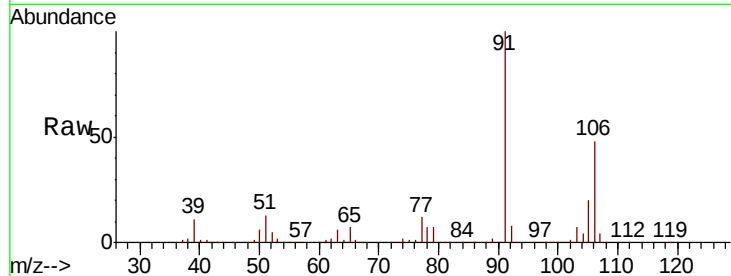
#69
o-Xylene
Concen: 88.85 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion:106 Resp: 2142242
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

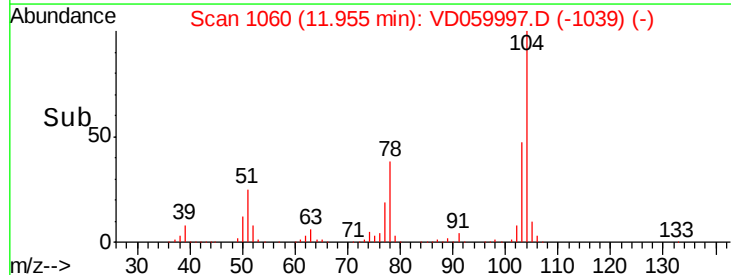
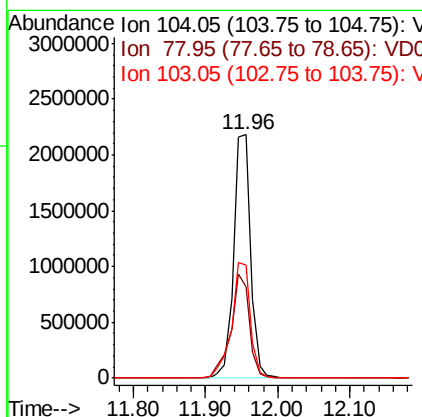
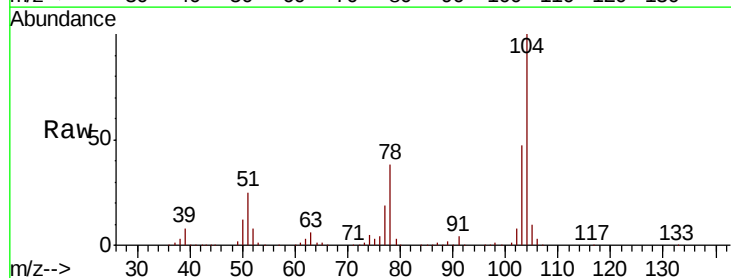
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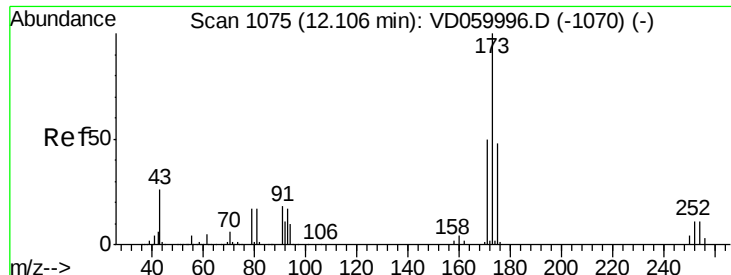
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#70
Styrene
Concen: 86.95 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:104 Resp: 3604865
Ion Ratio Lower Upper
104 100
78 37.6 31.0 46.4
103 46.5 37.6 56.4





#71

Bromoform

Concen: 97.08 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampled :

VSTDCC100

Tot Ion:173 Resp: 1216287

Ion Ratio Lower Upper

173 100

175 49.2 24.0 72.0

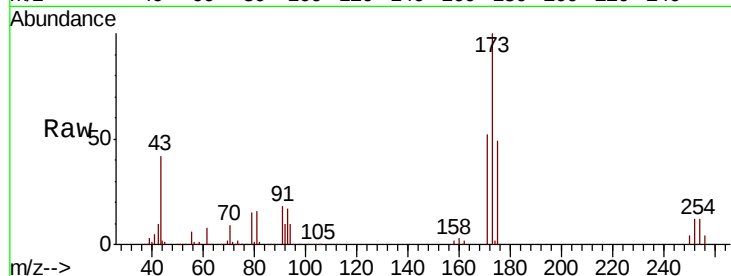
254 11.6 8.6 13.0

Manual Integrations

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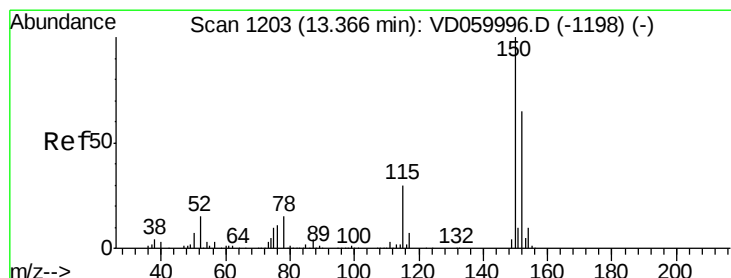
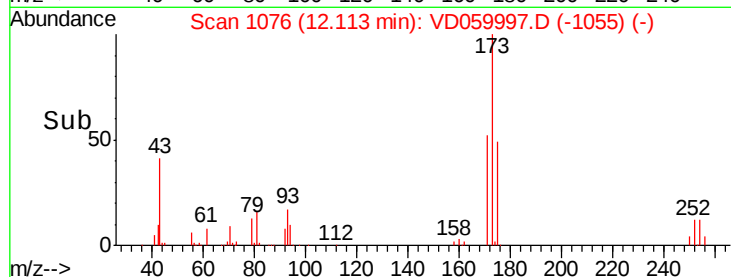
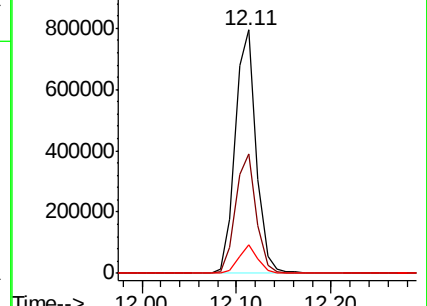
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

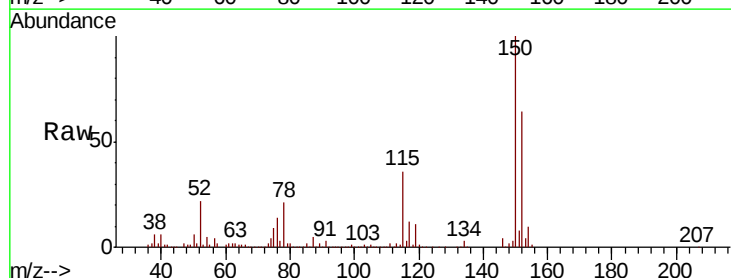
Tgt Ion:152 Resp: 1008488

Ion Ratio Lower Upper

152 100

115 56.9 24.6 73.8

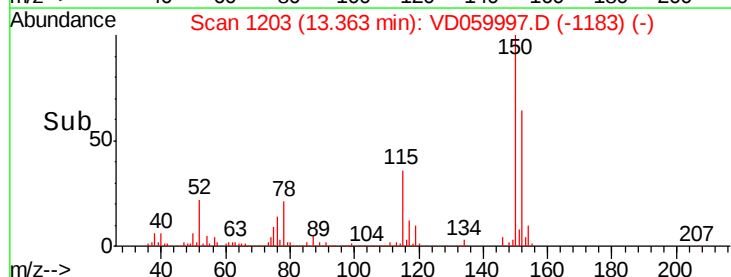
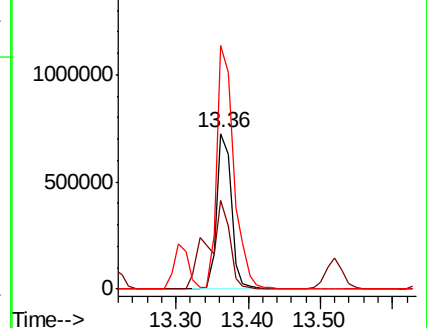
150 156.2 0.0 313.4

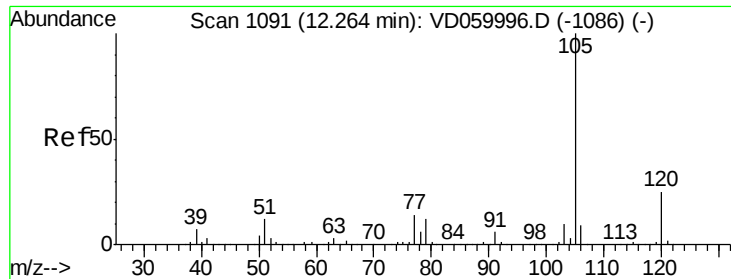


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 87.89 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion:105 Resp: 5765541

Ion Ratio Lower Upper

105 100

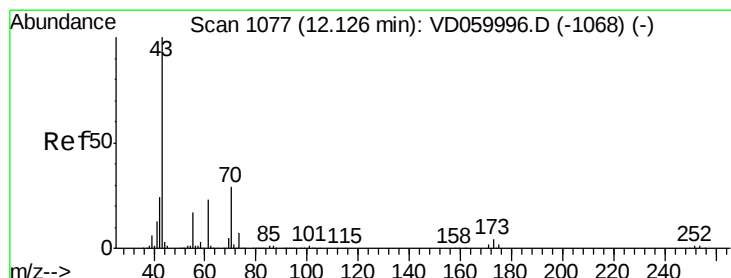
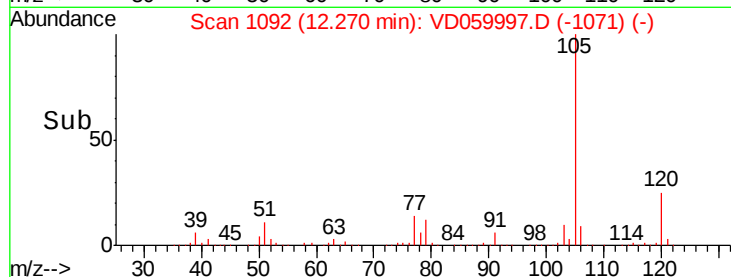
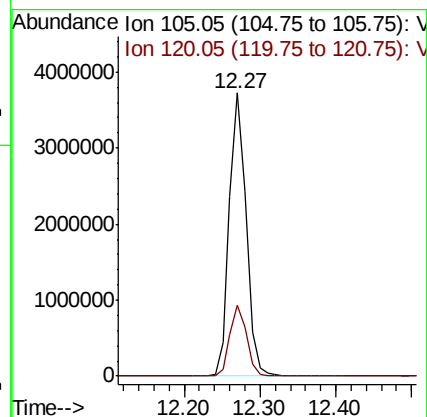
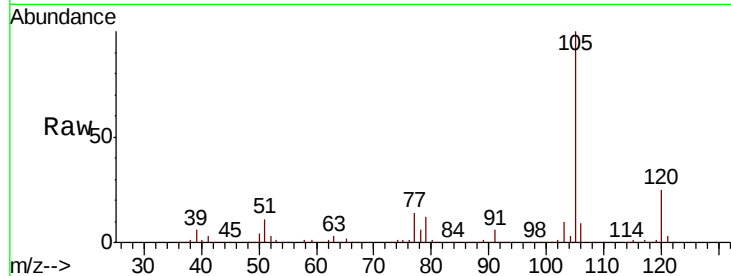
120 25.0 12.3 36.9

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#74

N-ethyl acetate

Concen: 85.14 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion: 43 Resp: 2385240

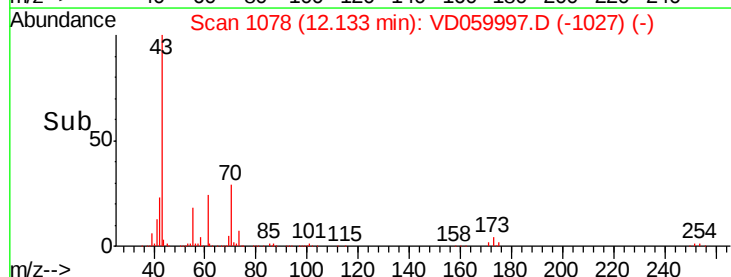
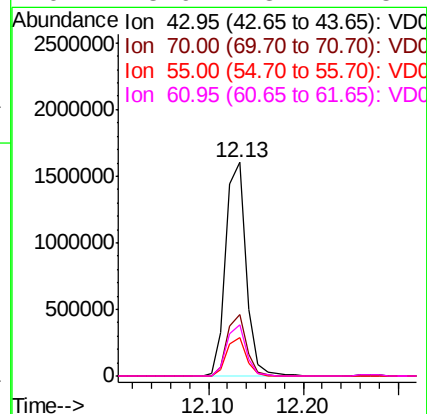
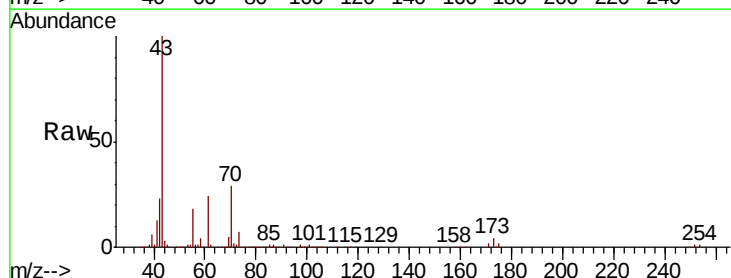
Ion Ratio Lower Upper

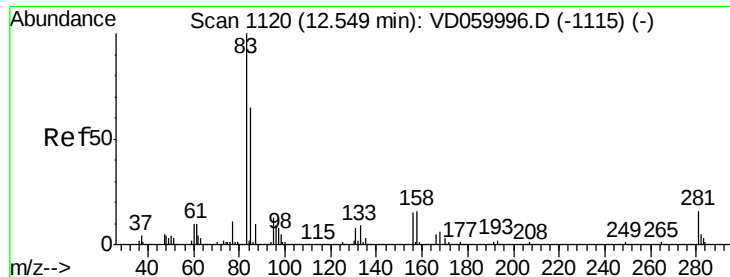
43 100

70 29.1 22.9 34.3

55 17.8 14.0 21.0

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 92.41 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 83 Resp: 1393258

Ion Ratio Lower Upper

83 100

131 8.7 4.1 12.3

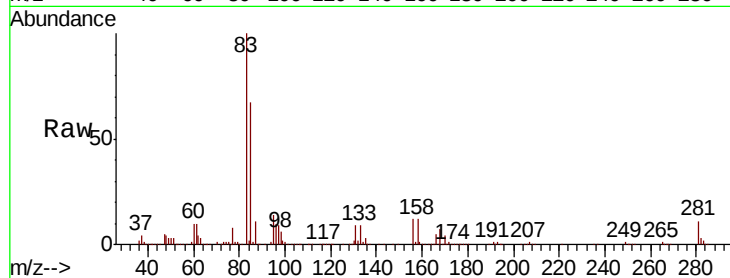
85 66.7 32.4 97.2

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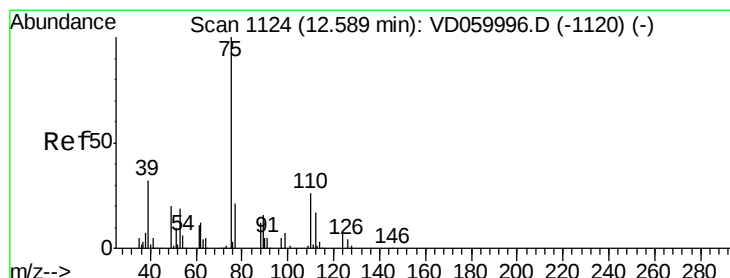
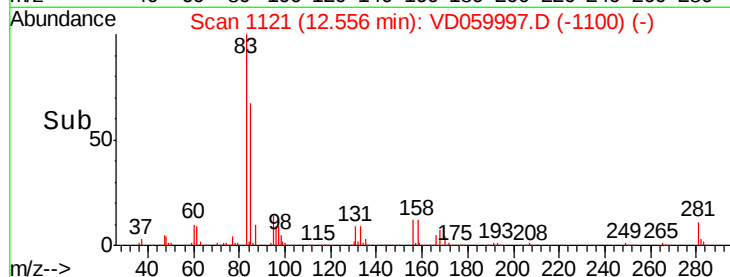
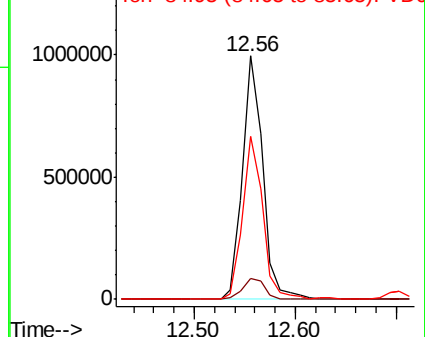
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 89.63 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD059997.D

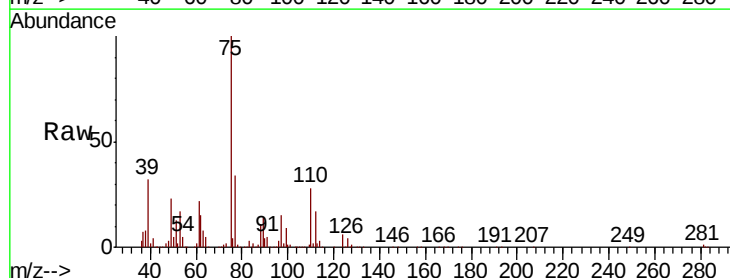
Acq: 13 Sep 2018 15:03

Tgt Ion: 75 Resp: 1407669

Ion Ratio Lower Upper

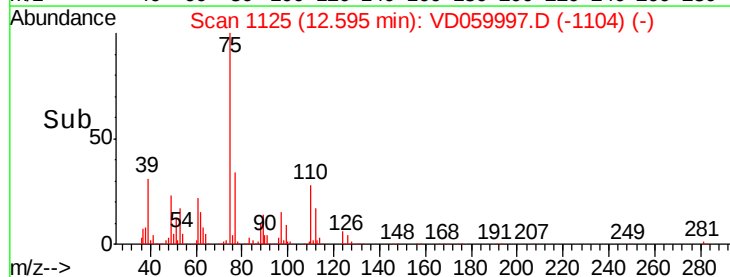
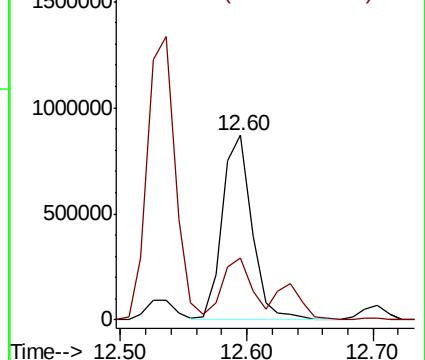
75 100

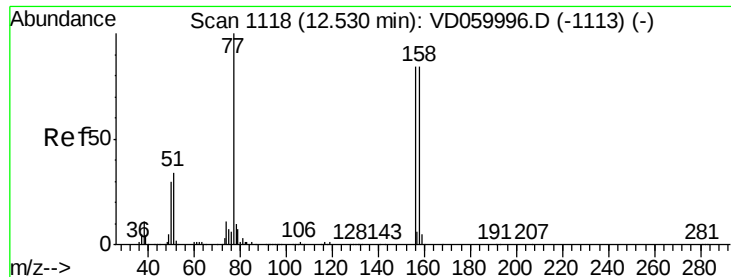
77 33.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 94.65 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion:156 Resp: 1719725

Ion Ratio Lower Upper

156 100

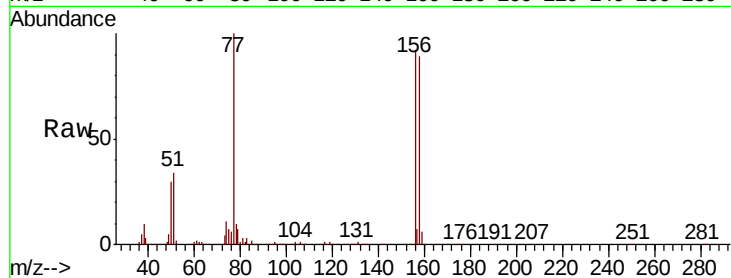
77 109.0 59.5 178.4

158 97.5 50.0 149.8

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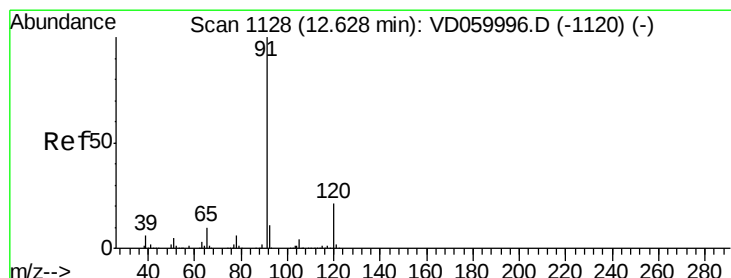
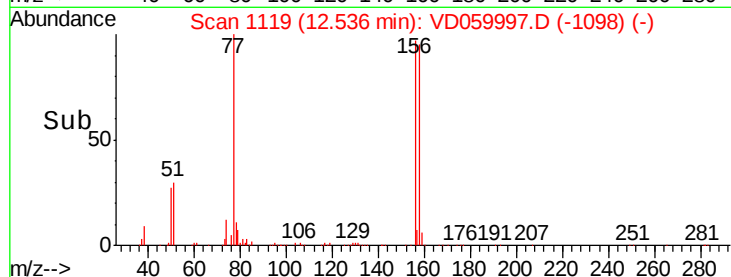
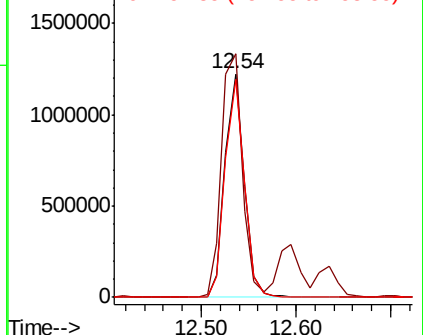
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 84.85 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD059997.D

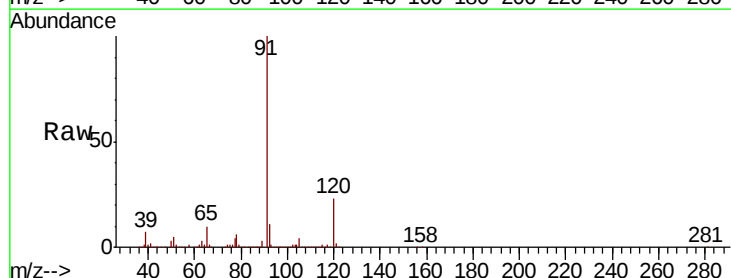
Acq: 13 Sep 2018 15:03

Tgt Ion: 91 Resp: 7016091

Ion Ratio Lower Upper

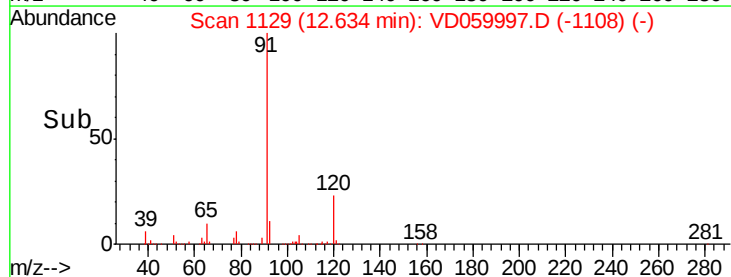
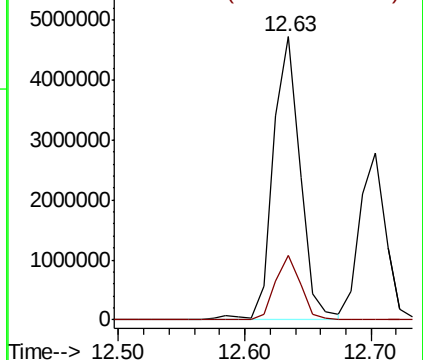
91 100

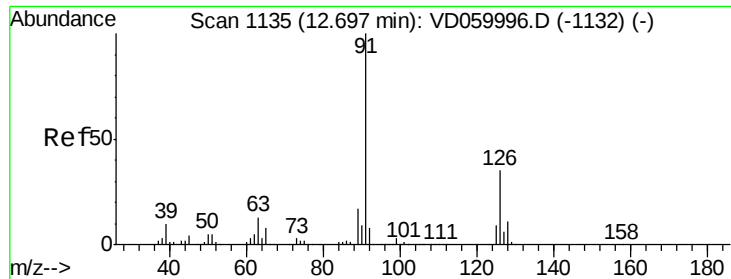
120 22.8 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





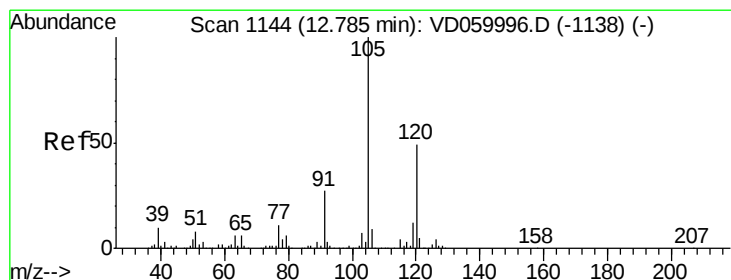
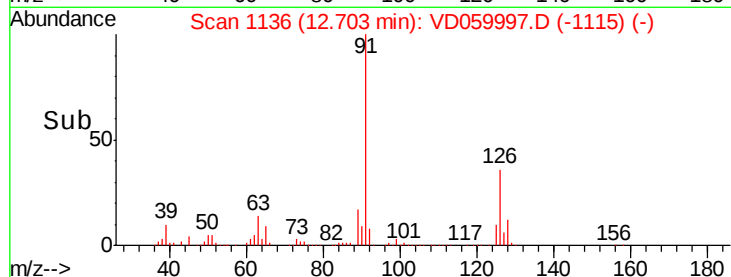
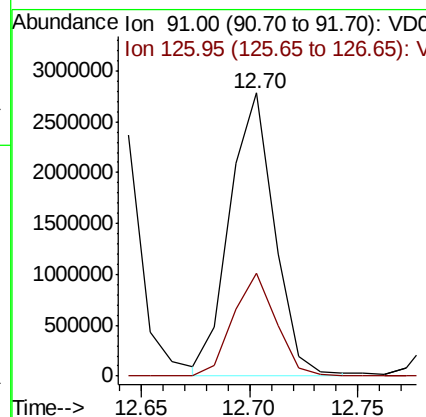
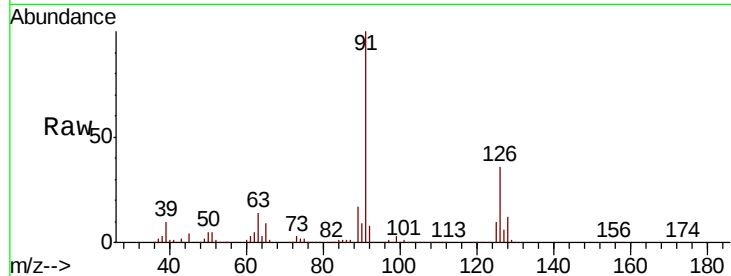
#79
2-Chlorotoluene
Concen: 85.43 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 91 Resp: 3989648
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0

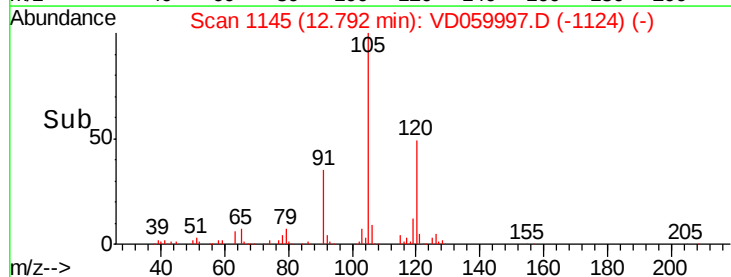
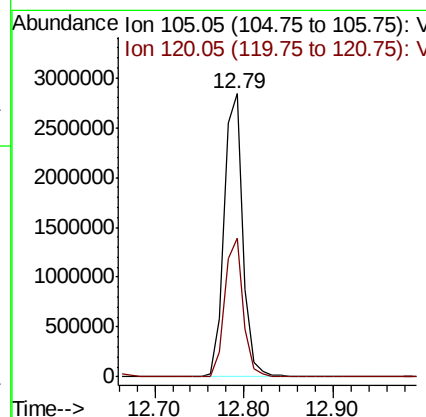
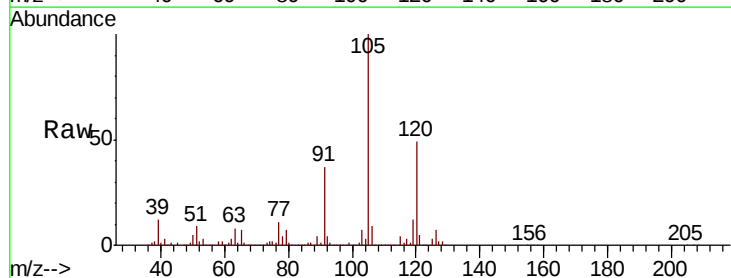
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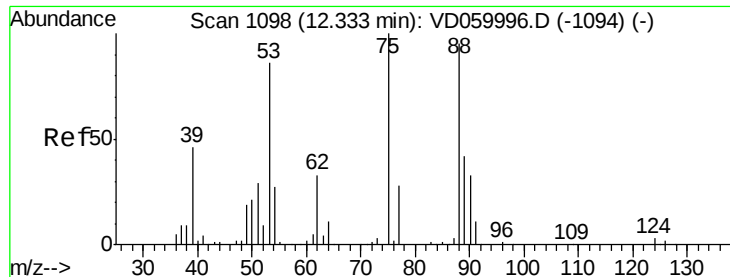
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#80
1,3,5-Trimethylbenzene
Concen: 80.53 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 105 Resp: 4180738
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 91.48 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion: 75 Resp: 443542

Ion Ratio Lower Upper

75 100

53 84.7 68.4 102.6

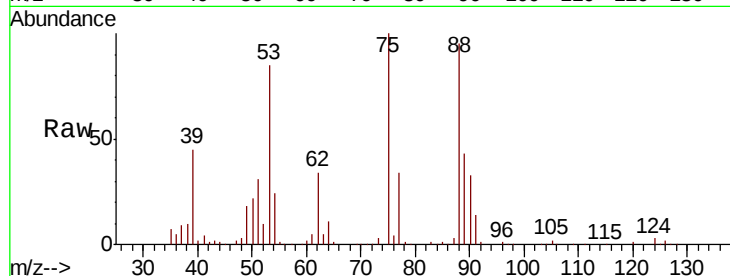
89 42.6 33.8 50.6

Manual Integrations

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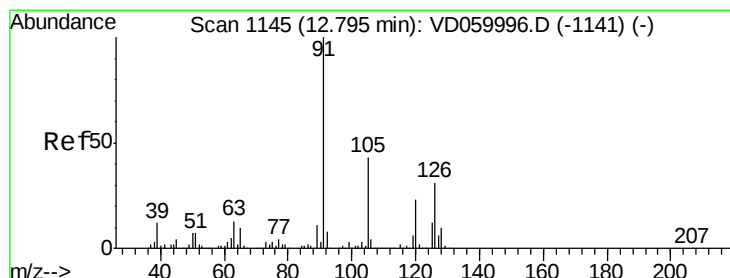
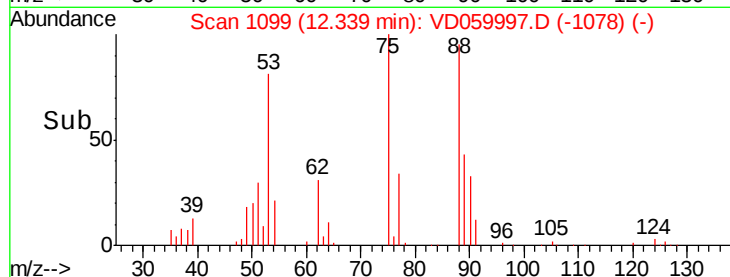
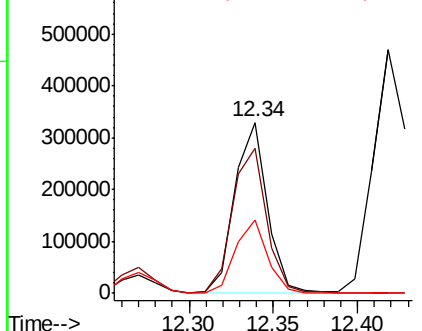
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 80.48 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD059997.D

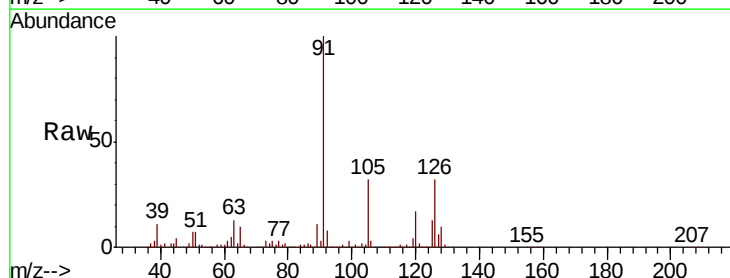
Acq: 13 Sep 2018 15:03

Tgt Ion: 91 Resp: 4261093

Ion Ratio Lower Upper

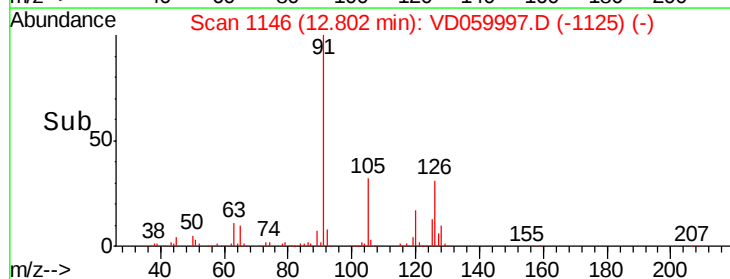
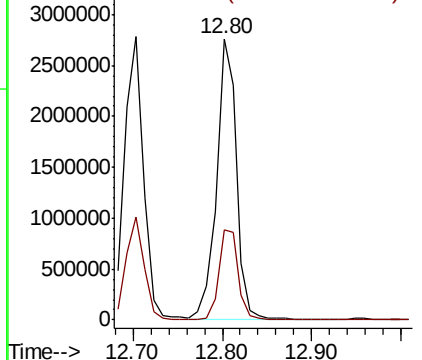
91 100

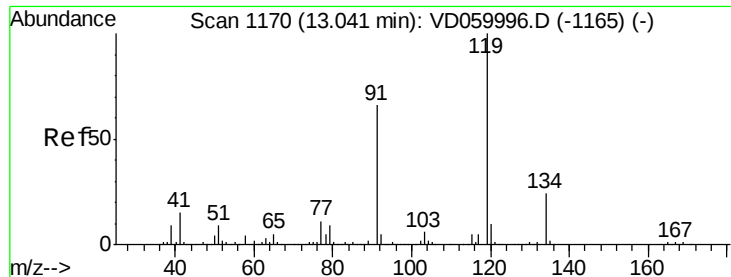
126 32.1 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





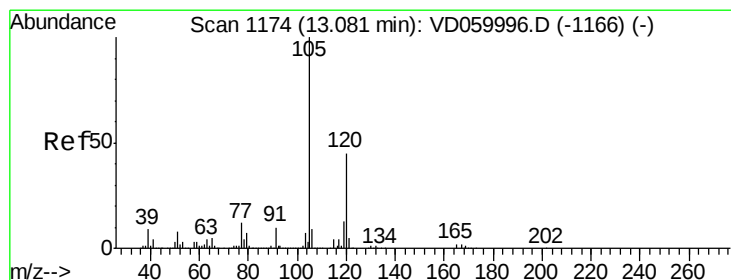
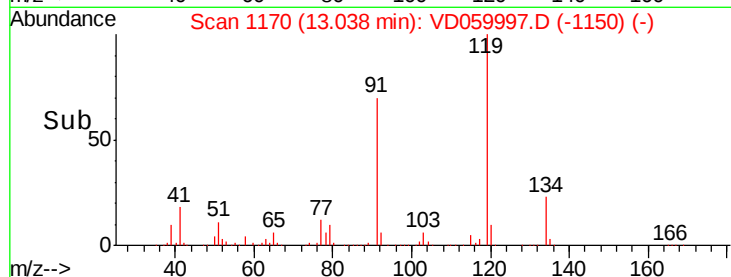
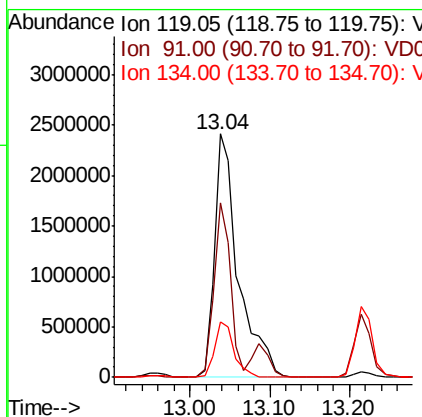
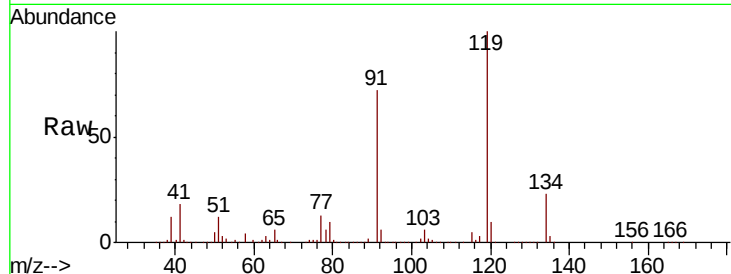
#83
 tert-Butylbenzene
 Concen: 85.93 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion:119 Resp: 5066612
 Ion Ratio Lower Upper
 119 100
 91 71.6 32.9 98.6
 134 22.9 12.0 36.0

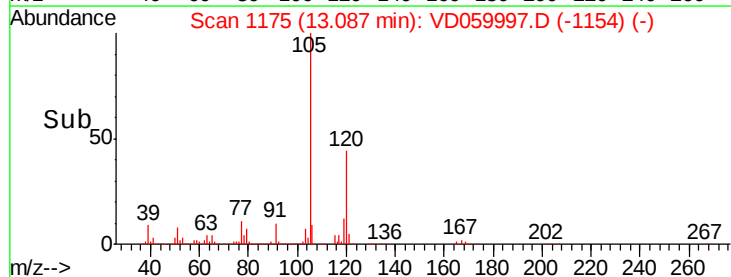
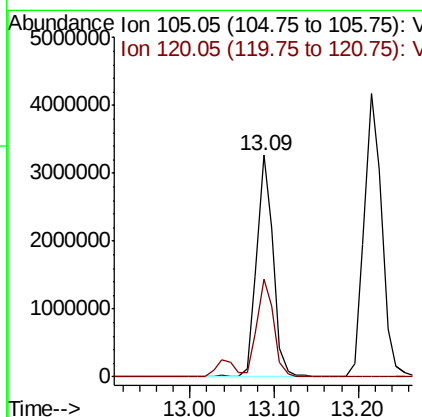
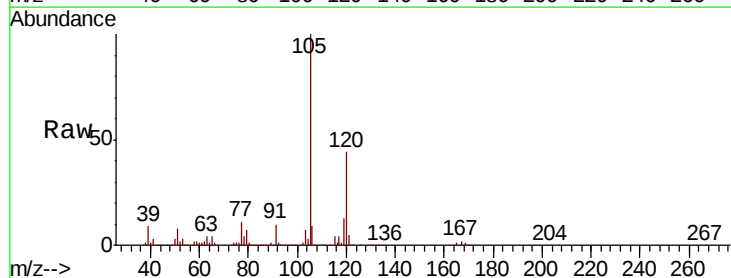
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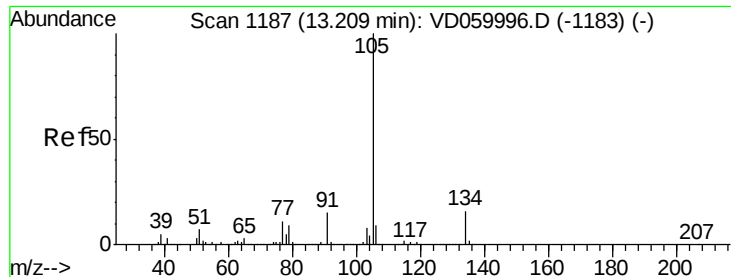
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 84.08 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion:105 Resp: 4532902
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





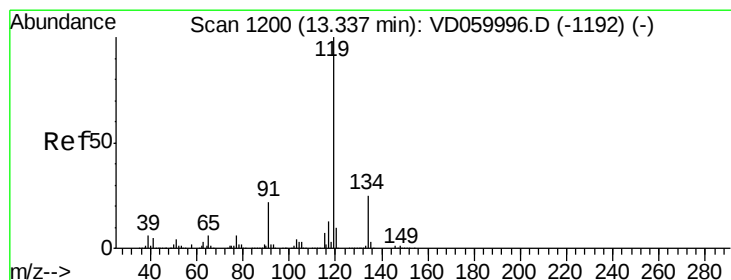
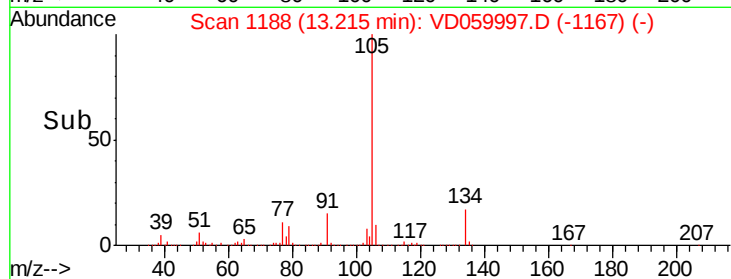
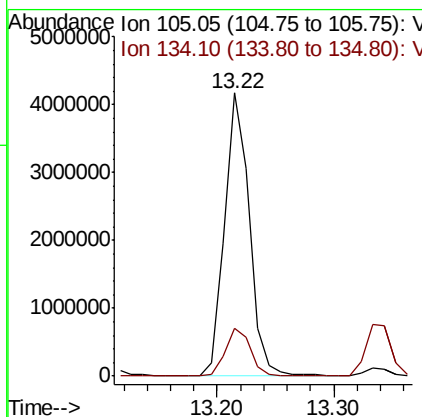
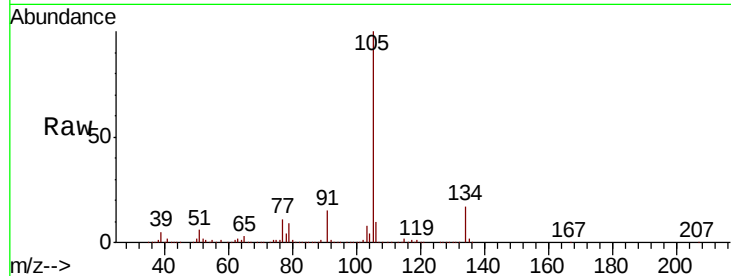
#85
 sec-Butylbenzene
 Concen: 88.06 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion:105 Resp: 6091797
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.6

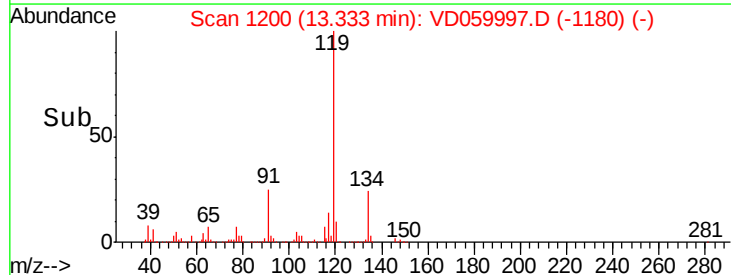
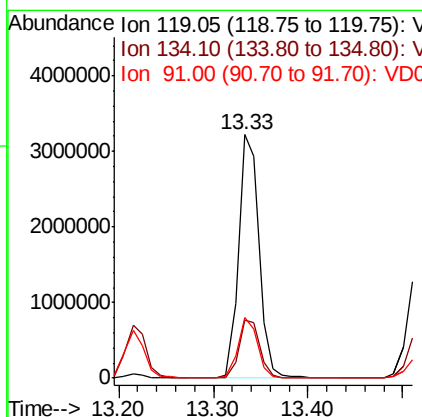
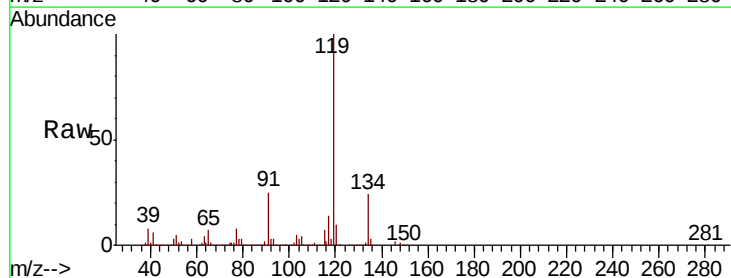
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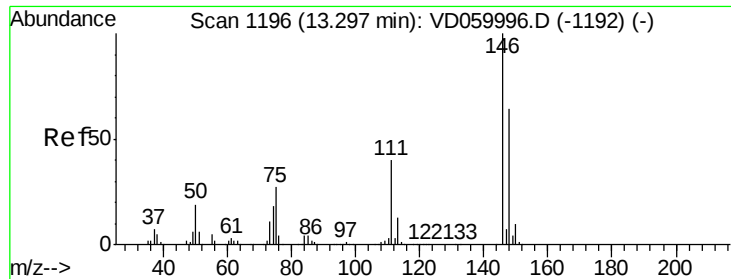
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#86
 p-Isopropyltoluene
 Concen: 84.45 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion:119 Resp: 4796671
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 25.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 89.46 ug/l

RT: 13.30 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCC100

Tot Ion:146 Resp: 2899834

Ion Ratio Lower Upper

146 100

111 40.5 20.2 60.5

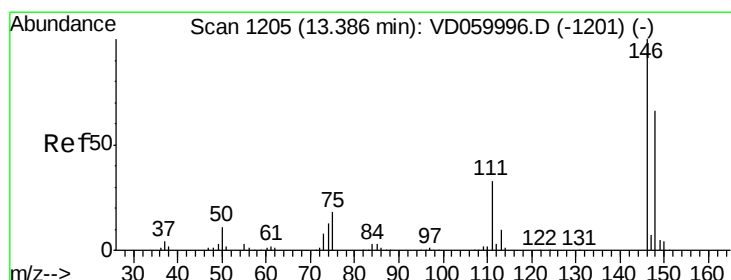
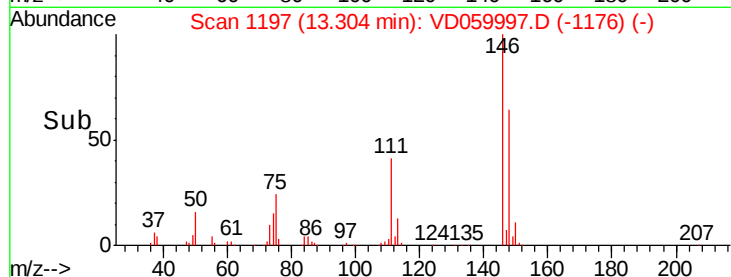
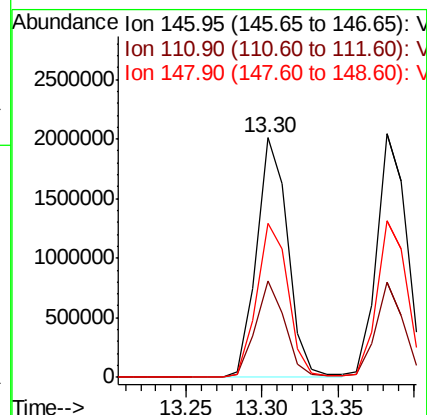
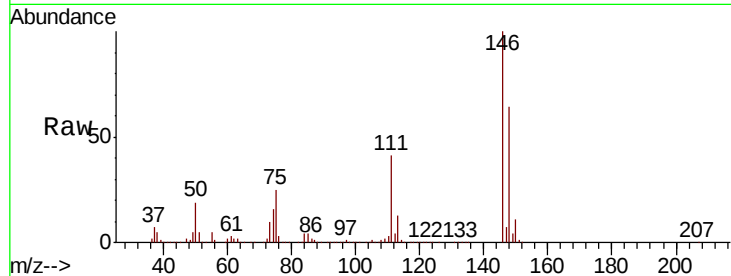
148 64.1 32.0 96.2

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 89.11 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

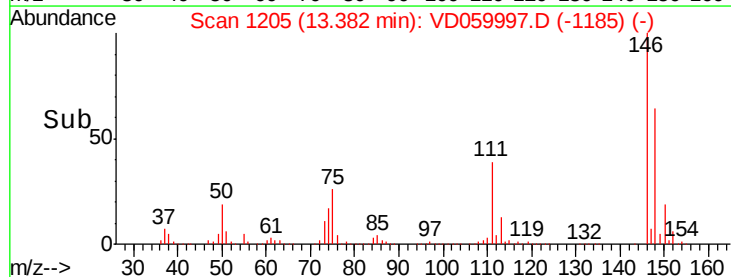
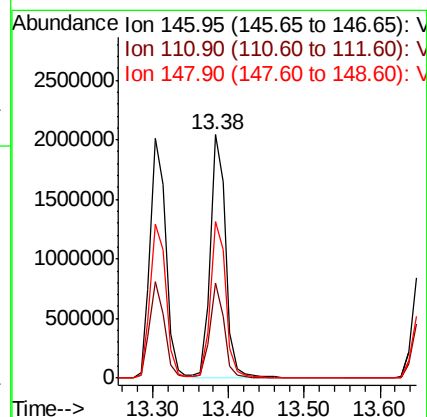
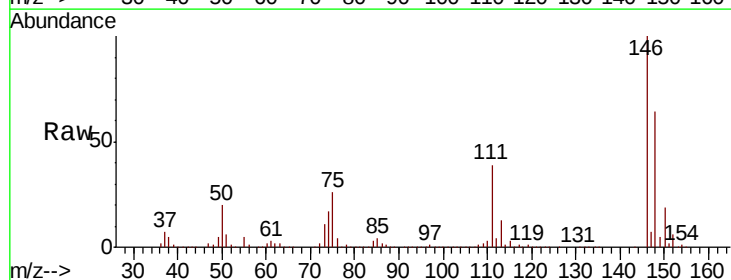
Tgt Ion:146 Resp: 2892682

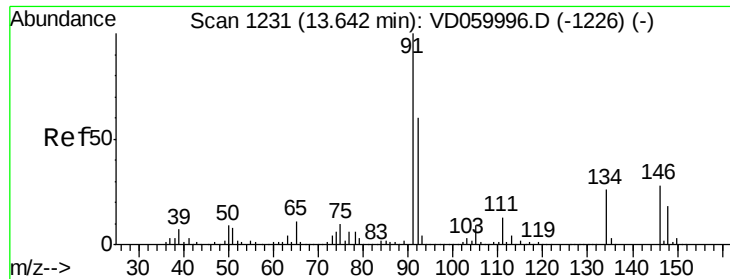
Ion Ratio Lower Upper

146 100

111 39.3 16.7 50.0

148 64.2 32.9 98.6





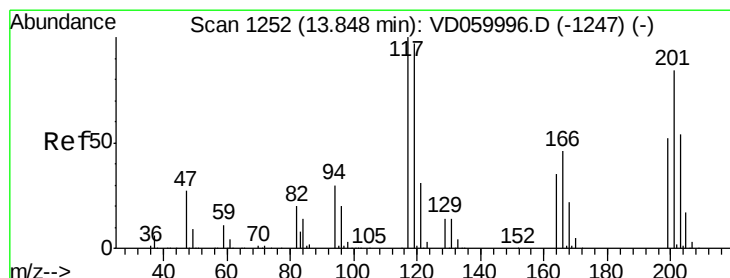
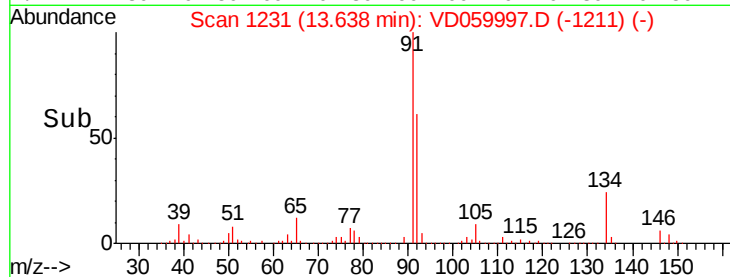
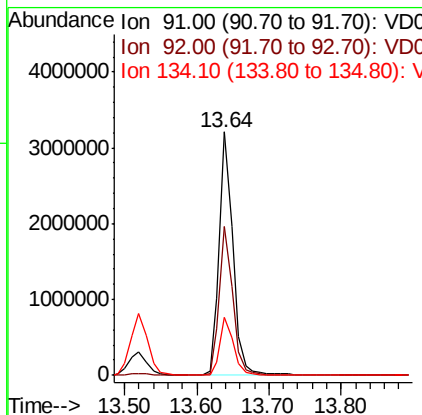
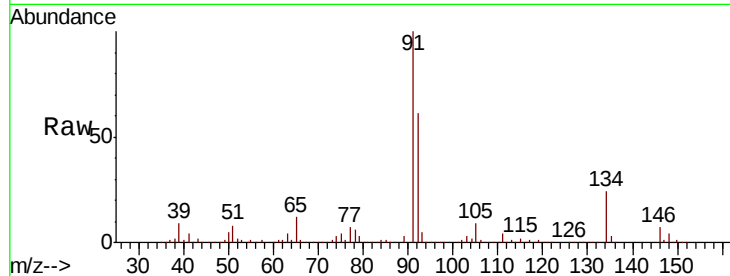
#89
n-Butylbenzene
Concen: 72.94 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion: 91 Resp: 4138208
Ion Ratio Lower Upper
91 100
92 61.3 29.8 89.3
134 23.6 13.2 39.6

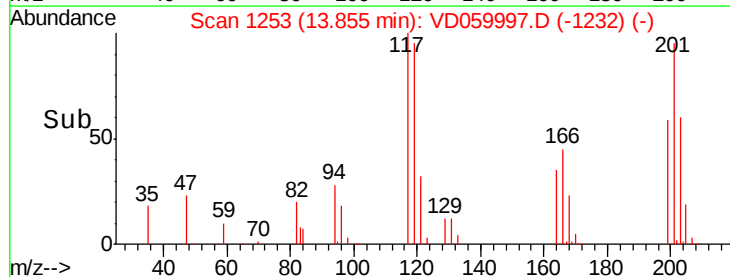
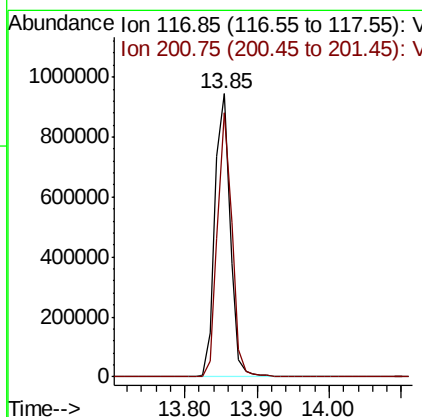
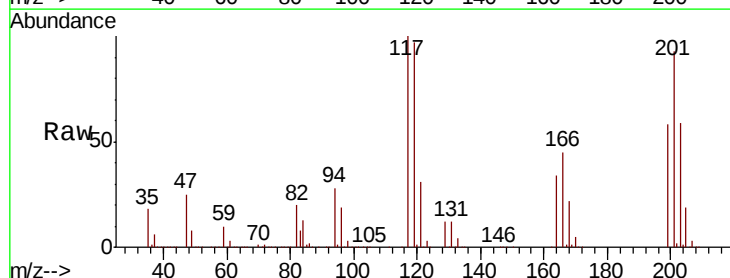
Manual Integrations
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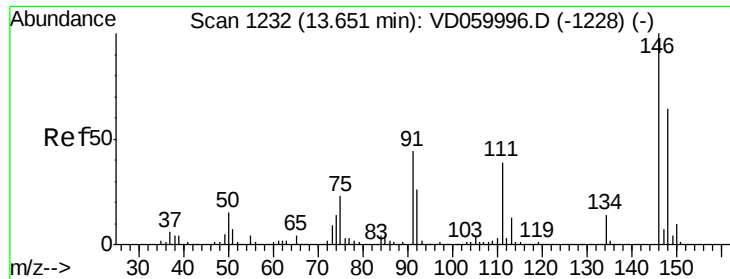
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#90
Hexachloroethane
Concen: 90.81 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 117 Resp: 1366170
Ion Ratio Lower Upper
117 100
201 93.3 42.1 126.4





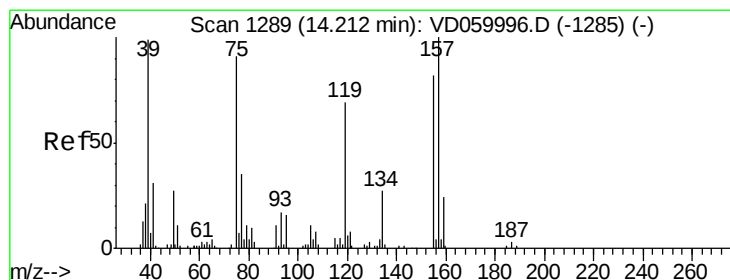
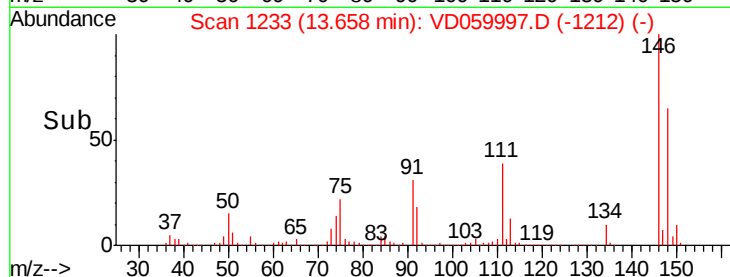
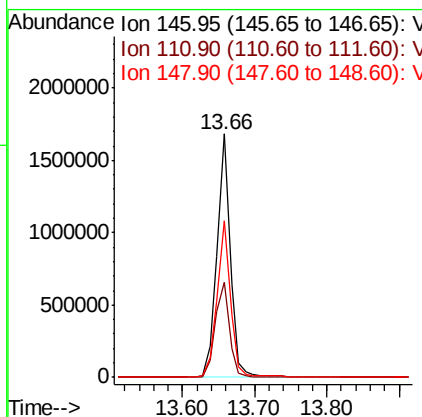
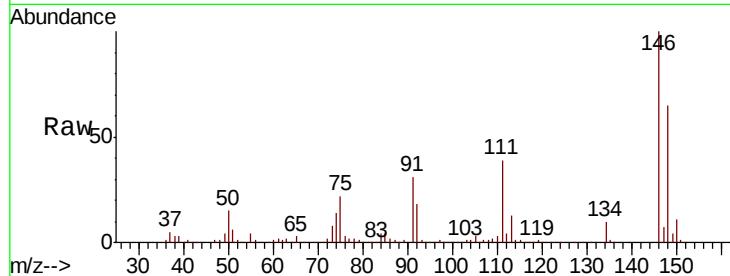
#91
 1,2-Dichlorobenzene
 Concen: 77.41 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Tot Ion:146 Resp: 2115012
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 64.5 31.9 95.7

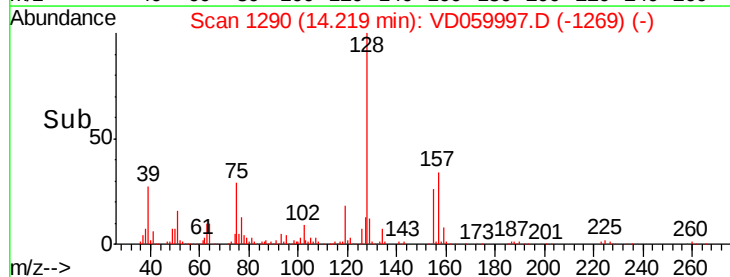
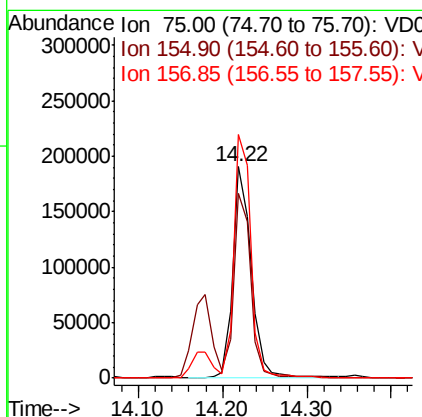
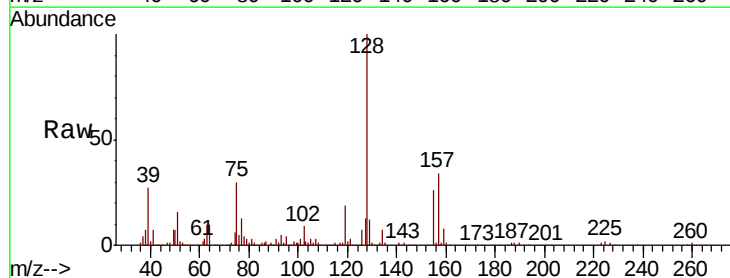
Manual Integrations
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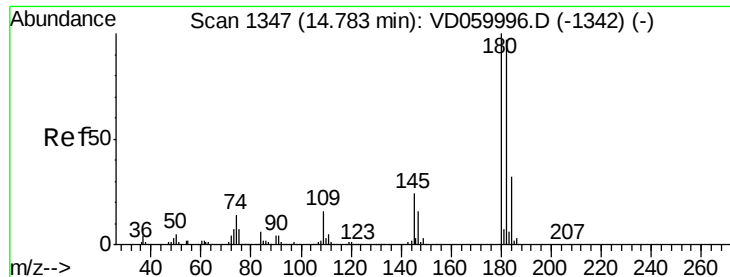
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 127.99 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 75 Resp: 288573
 Ion Ratio Lower Upper
 75 100
 155 87.5 44.7 134.1
 157 115.2 54.7 164.1





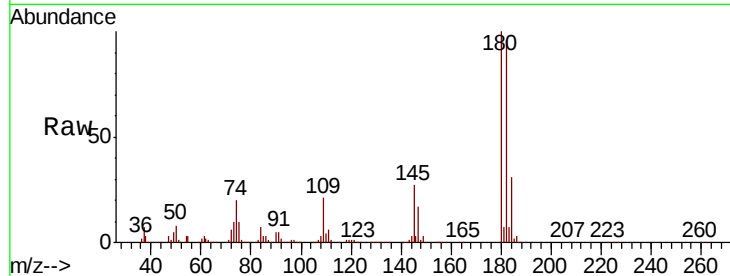
#93
 1,2,4-Trichlorobenzene
 Concen: 87.91 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

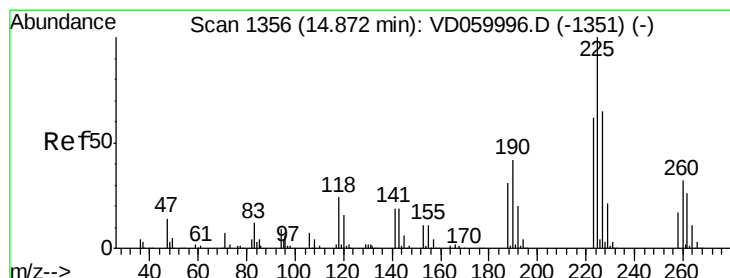
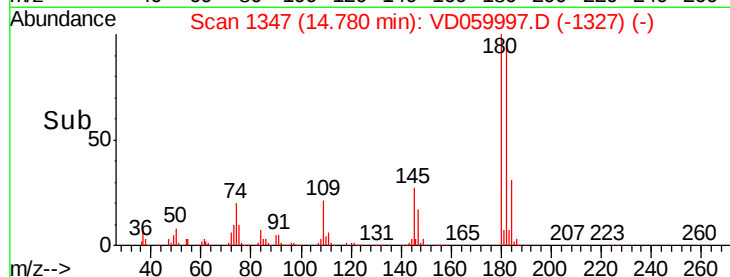
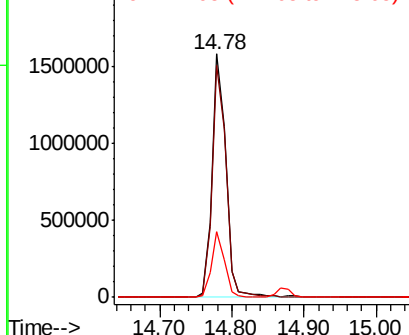
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.6
145	26.8	11.9	35.7

Manual Integrations
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apatel
 9/14/2018 10:57:57 AM

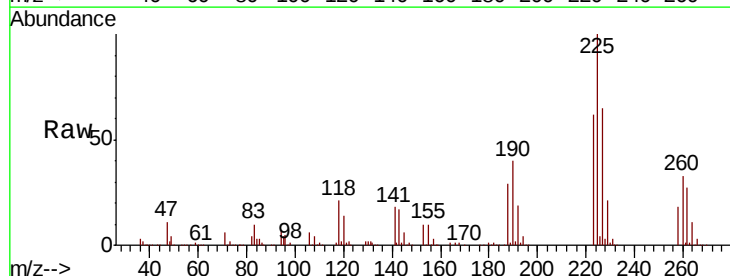


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

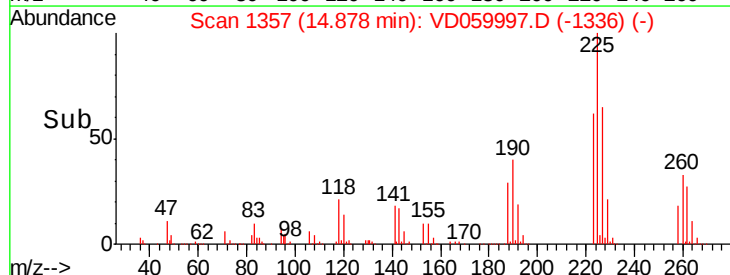
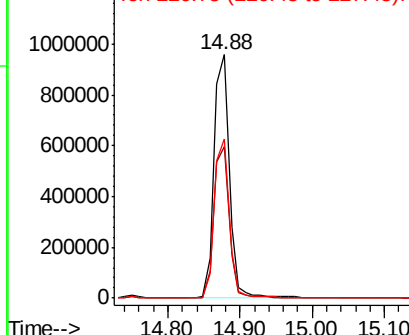


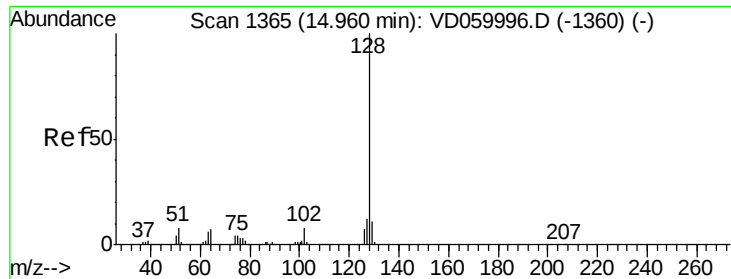
#94
 Hexachlorobutadiene
 Concen: 90.63 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.2	93.6
227	65.4	32.3	96.8



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





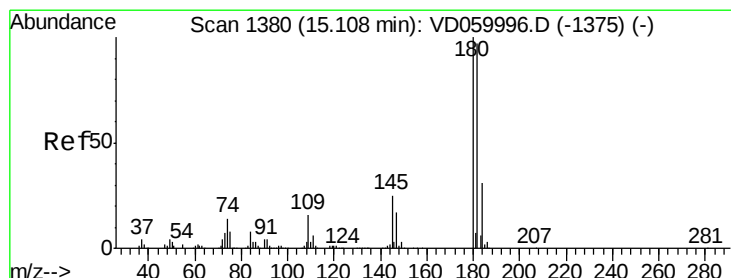
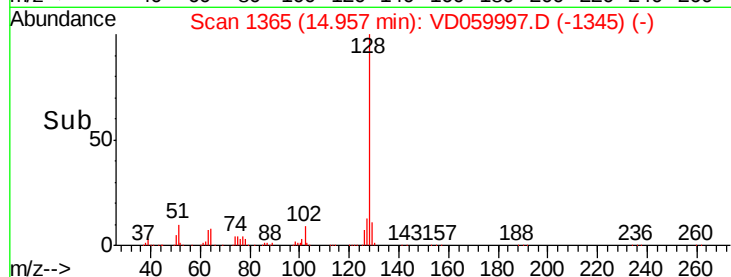
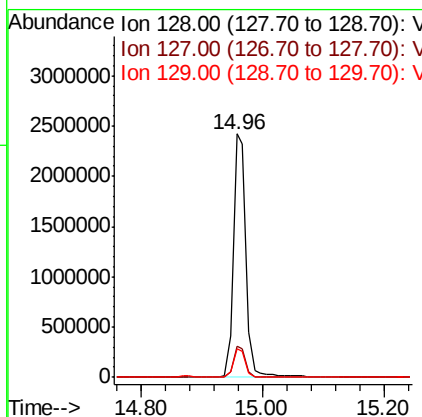
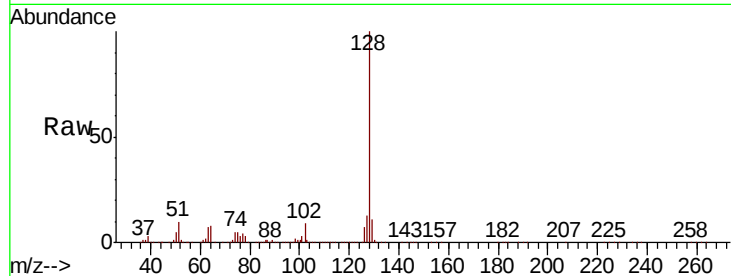
#95
Naphthalene
Concen: 97.76 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCC100

Tot Ion:128 Resp: 3494684
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.5 8.9 13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 93.12 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:180 Resp: 1876305
Ion Ratio Lower Upper
180 100
182 96.1 48.6 145.9
145 28.7 12.7 38.1

