

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121718\
 Data File : VD060593.D
 Acq On : 17 Dec 2018 12:16
 Operator : VA/AP
 Sample : VD1217SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Manual Integrations
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 12/18/2018 3:30:53 PM

Quant Time: Dec 18 13:01:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1559747	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2127164	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1686388	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	873894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	558694	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	6.34	113	804136	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	9.47	98	2257608	49.93	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.44	95	817700	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	398054	23.307	ug/l	97
3) Chloromethane	1.78	50	344519	21.498	ug/l	100
4) Vinyl Chloride	1.88	62	280972	21.968	ug/l	100
5) Bromomethane	2.17	94	43724	13.665	ug/l	96
6) Chloroethane	2.28	64	72412	16.408	ug/l	100
7) Trichlorofluoromethane	2.53	101	314643	21.306	ug/l	98
8) Diethyl Ether	2.85	74	54013	21.175	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	204862	21.380	ug/l	96
10) Methyl Iodide	3.27	142	226253	20.200	ug/l	98
11) Tert butyl alcohol	4.00	59	41172	91.666	ug/l	95
12) 1,1-Dichloroethene	3.10	96	168540	21.618	ug/l	90
13) Acrolein	3.01	56	42037	85.654	ug/l	97
14) Allyl chloride	3.56	41	298551	20.184	ug/l	94
15) Acrylonitrile	4.12	53	265106	103.951	ug/l	96
16) Acetone	3.18	43	181256	102.284	ug/l	97
17) Carbon Disulfide	3.34	76	515047	20.338	ug/l	100
18) Methyl Acetate	3.58	43	93538	22.209	ug/l	96
19) Methyl tert-butyl Ether	4.15	73	456077	21.095	ug/l	98
20) Methylene Chloride	3.75	84	363026	19.591	ug/l	97
21) trans-1,2-Dichloroethene	4.13	96	347733	20.505	ug/l	99
22) Diisopropyl ether	4.89	45	1081419	20.363	ug/l	97
23) Vinyl Acetate	4.83	43	2702406	102.704	ug/l	99
24) 1,1-Dichloroethane	4.78	63	572901	20.765	ug/l	99
25) 2-Butanone	5.64	43	360378	103.366	ug/l	100
26) 2,2-Dichloropropane	5.62	77	458827	21.528	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	353287	20.489	ug/l	99
28) Bromochloromethane	5.95	49	225318	18.436	ug/l	99
29) Tetrahydrofuran	5.98	42	196980	99.773	ug/l	98
30) Chloroform	6.13	83	568228	20.443	ug/l	99
31) Cyclohexane	6.39	56	533037	20.319	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	476865	20.869	ug/l	98
36) 1,1-Dichloropropene	6.55	75	438398	21.084	ug/l	98
37) Ethyl Acetate	5.72	43	173892	19.284	ug/l	99
38) Carbon Tetrachloride	6.52	117	400551	21.458	ug/l	99

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Quant Time: Dec 18 13:01:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	493343	20.813	ug/l	99
40) Benzene	6.82	78	1127313	21.214	ug/l	99
41) Methacrylonitrile	5.95	41	104525m	21.503	ug/l	
42) 1,2-Dichloroethane	6.91	62	291195	21.552	ug/l	99
43) Isopropyl Acetate	8.37	43	221989	19.943	ug/l #	99
44) Trichloroethene	7.76	130	334073	21.036	ug/l	97
45) 1,2-Dichloropropane	8.12	63	269017	20.469	ug/l	99
46) Dibromomethane	8.24	93	157991	20.806	ug/l	97
47) Bromodichloromethane	8.51	83	375949	20.866	ug/l	100
48) Methyl methacrylate	8.27	41	134251	20.383	ug/l	95
49) 1,4-Dioxane	8.26	88	23389	391.813	ug/l #	93
51) 4-Methyl-2-Pentanone	9.36	43	699128	100.969	ug/l	97
52) Toluene	9.57	92	700592	21.094	ug/l	96
53) t-1,3-Dichloropropene	9.94	75	322067	21.754	ug/l	95
54) cis-1,3-Dichloropropene	9.13	75	412470	21.205	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	192792	20.844	ug/l	97
56) Ethyl methacrylate	10.05	69	174002	20.787	ug/l	97
57) 1,3-Dichloropropane	10.40	76	302383	21.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	572049	114.212	ug/l	98
59) 2-Hexanone	10.51	43	509196	105.209	ug/l	99
60) Dibromochloromethane	10.65	129	247476	21.400	ug/l	100
61) 1,2-Dibromoethane	10.77	107	191053	20.269	ug/l	98
64) Tetrachloroethene	10.27	164	301997	20.224	ug/l	98
65) Chlorobenzene	11.33	112	751610	21.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	254919	22.169	ug/l	95
67) Ethyl Benzene	11.44	91	1327069	21.808	ug/l	97
68) m/p-Xylenes	11.58	106	979654	43.515	ug/l	98
69) o-Xylene	11.94	106	456042	21.256	ug/l	91
70) Styrene	11.97	104	730494	21.212	ug/l	99
71) Bromoform	12.13	173	160193	20.881	ug/l	98
73) Isopropylbenzene	12.29	105	1248532	20.190	ug/l	99
74) N-amyl acetate	12.15	43	299108	20.013	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	204074	20.613	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	200935	20.293	ug/l	98
77) Bromobenzene	12.55	156	331799	20.412	ug/l	96
78) n-propylbenzene	12.65	91	1613137	20.636	ug/l	99
79) 2-Chlorotoluene	12.72	91	871257	20.540	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1006858	21.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	54540	19.749	ug/l	97
82) 4-Chlorotoluene	12.82	91	1010563	21.211	ug/l	93
83) tert-Butylbenzene	13.05	119	1120192	21.143	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1036102	21.176	ug/l	99
85) sec-Butylbenzene	13.23	105	1354633	20.514	ug/l	98
86) p-Isopropyltoluene	13.35	119	1098780	20.990	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	608561	20.677	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	609917	21.125	ug/l	97
89) n-Butylbenzene	13.66	91	1176495	20.196	ug/l	98
90) Hexachloroethane	13.87	117	267744	20.400	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	533142	22.166	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24852	20.717	ug/l	97

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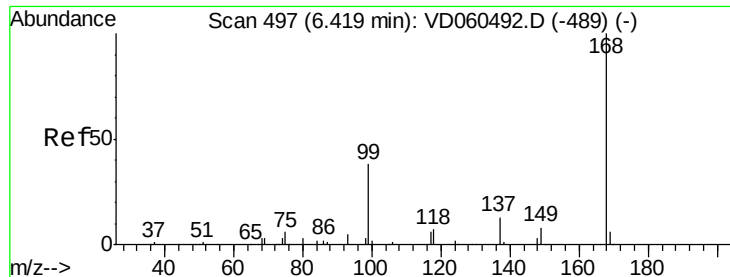
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	390091	20.747	ug/l	97
94) Hexachlorobutadiene	14.90	225	289529	20.871	ug/l	99
95) Naphthalene	14.97	128	445117	19.900	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	308936	20.621	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:168 Resp: 1559747

Ion Ratio Lower Upper

168 100

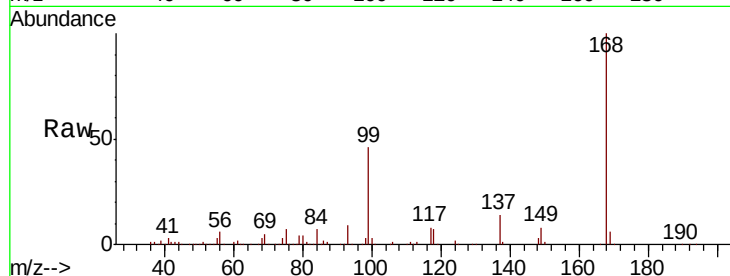
99 46.2 35.6 53.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

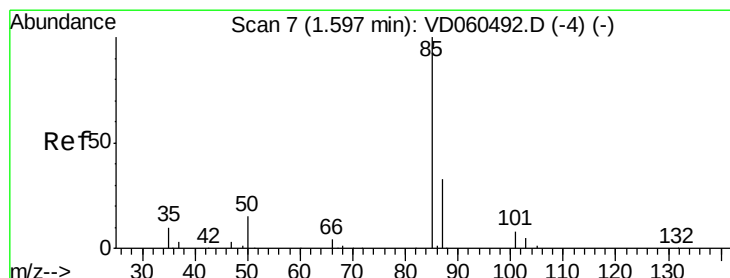
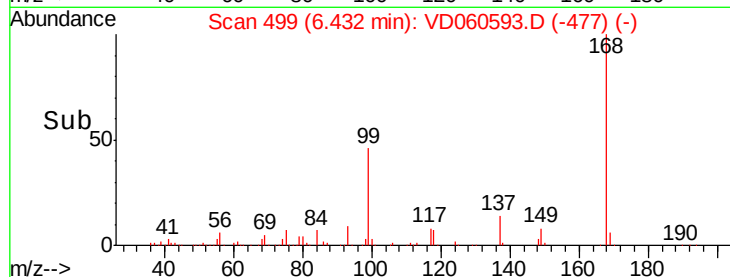
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.307 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060593.D

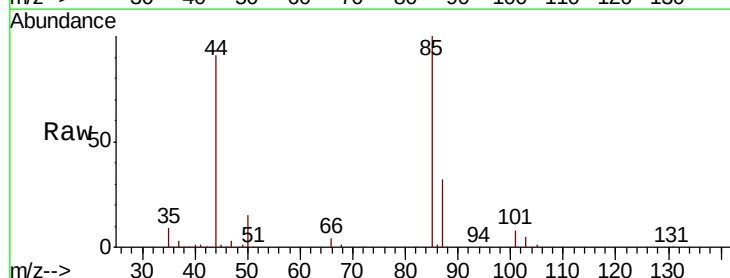
Acq: 17 Dec 2018 12:16

Tgt Ion: 85 Resp: 398054

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

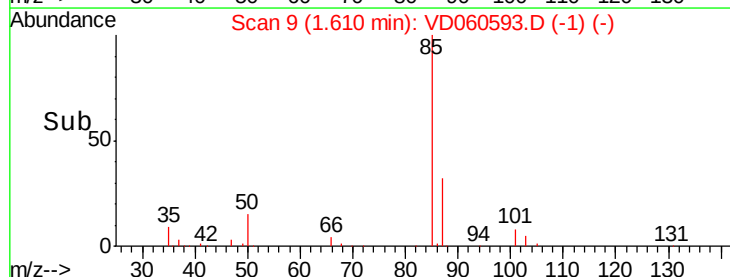
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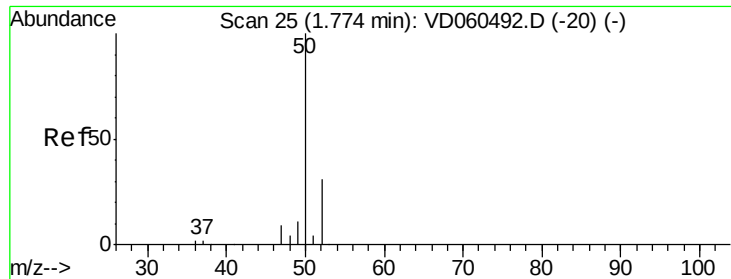
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50000

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Time-->





#3

Chloromethane

Concen: 21.498 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 50 Resp: 344519

Ion Ratio Lower Upper

50 100

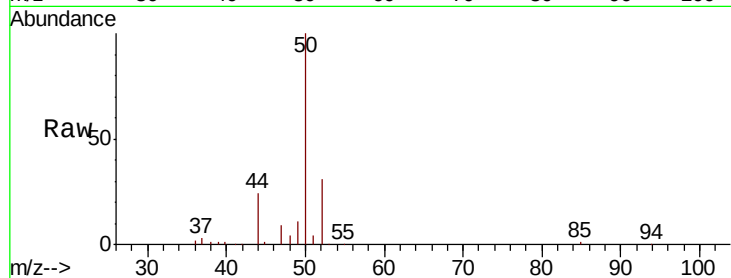
52 31.3 25.0 37.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

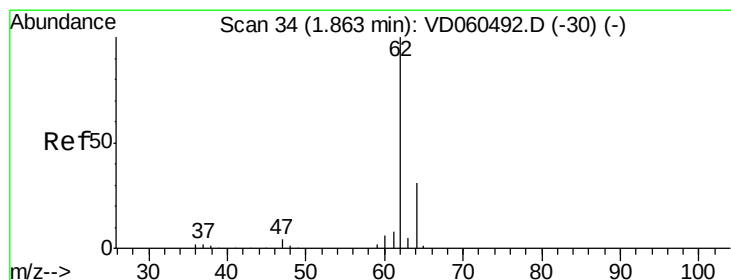
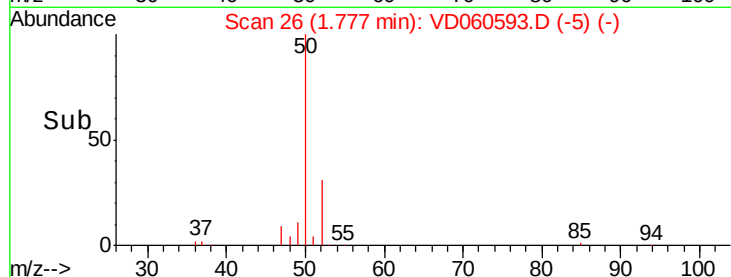
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 21.968 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD060593.D

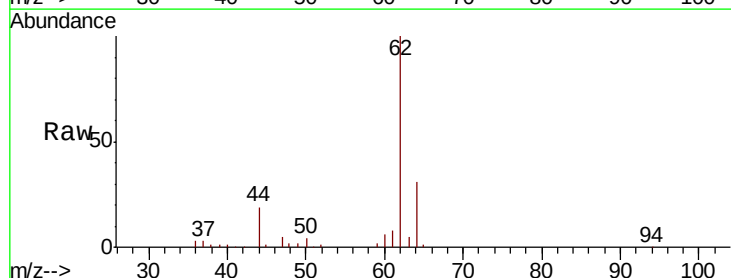
Acq: 17 Dec 2018 12:16

Tgt Ion: 62 Resp: 280972

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.88

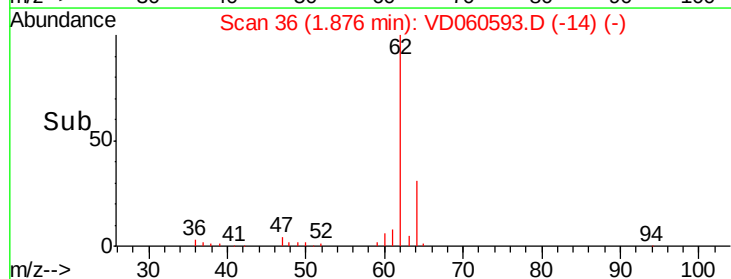
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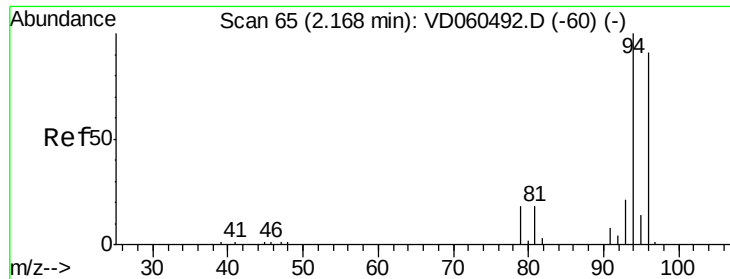
100000

50000

0

Time-->





#5

Bromomethane

Concen: 13.665 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 94 Resp: 43724

Ion Ratio Lower Upper

94 100

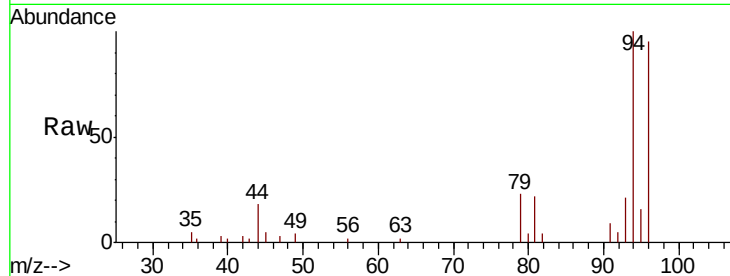
96 94.8 72.6 108.8

Manual Integrations

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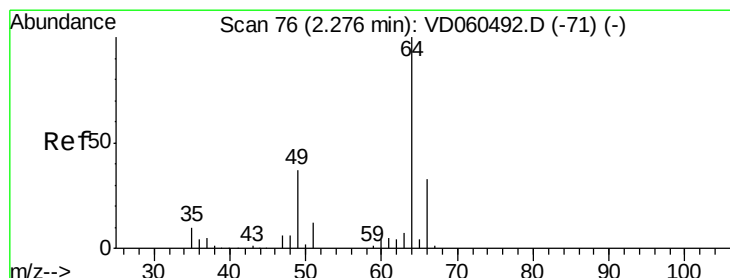
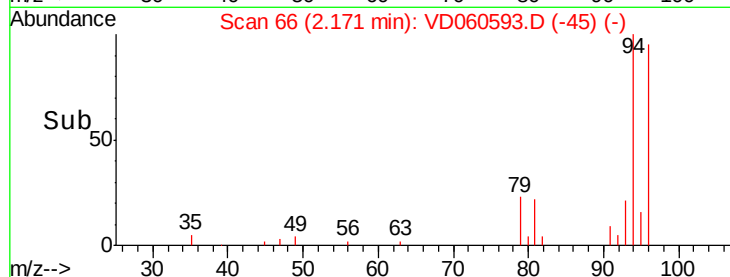
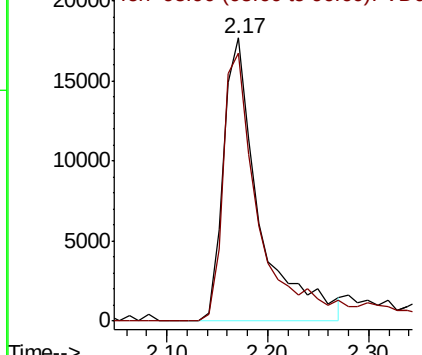
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.408 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060593.D

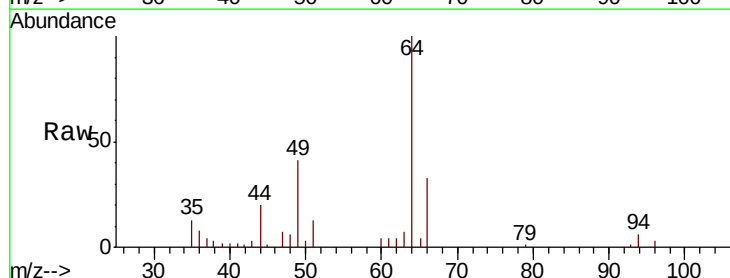
Acq: 17 Dec 2018 12:16

Tgt Ion: 64 Resp: 72412

Ion Ratio Lower Upper

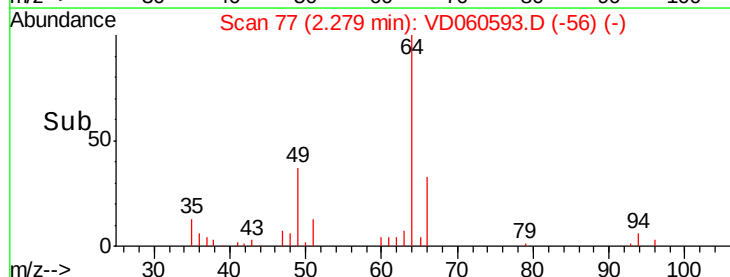
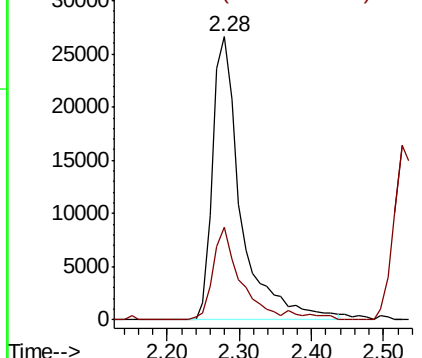
64 100

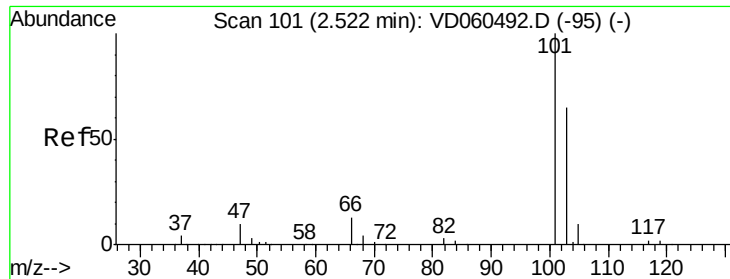
66 32.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

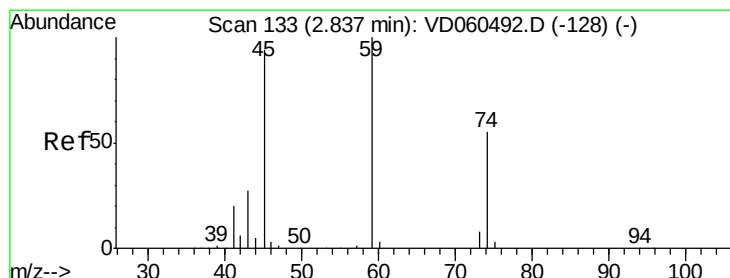
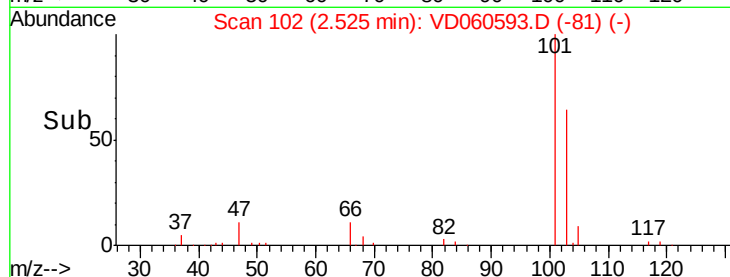
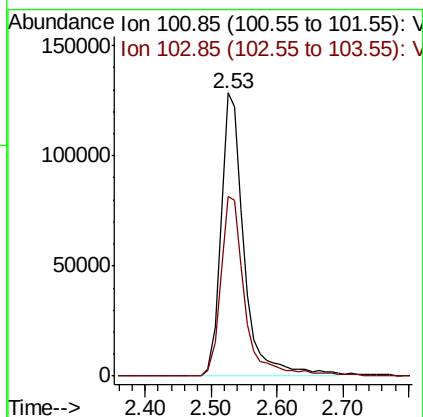
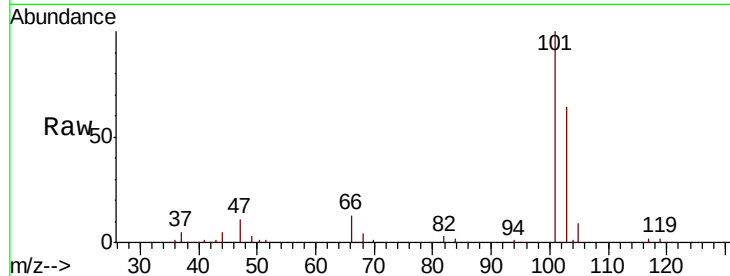
Trichlorofluoromethane
Concen: 21.306 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
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ClientSampleId :
VD1217SBS01

Tot Ion:101 Resp: 314643
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.8

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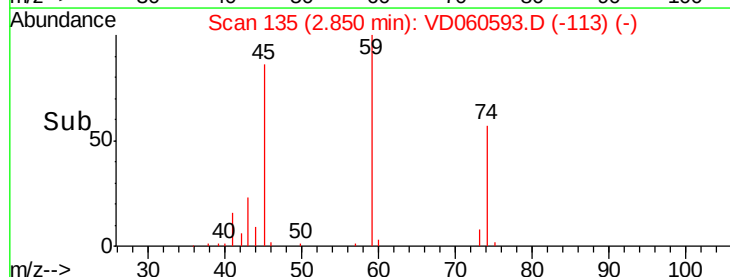
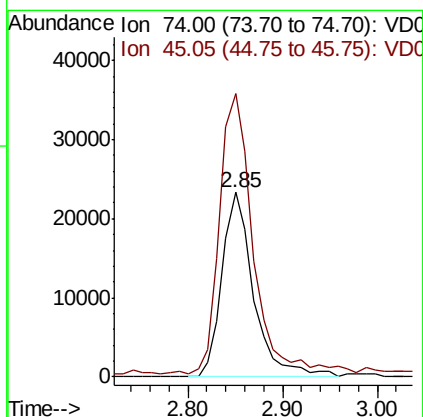
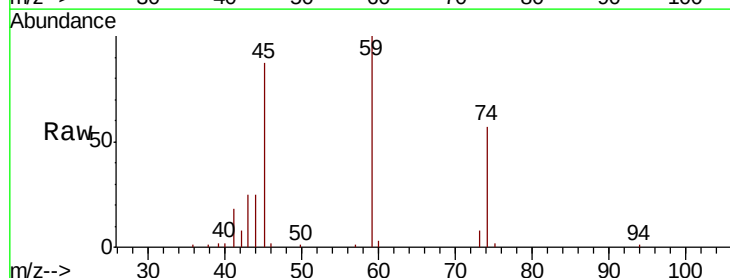
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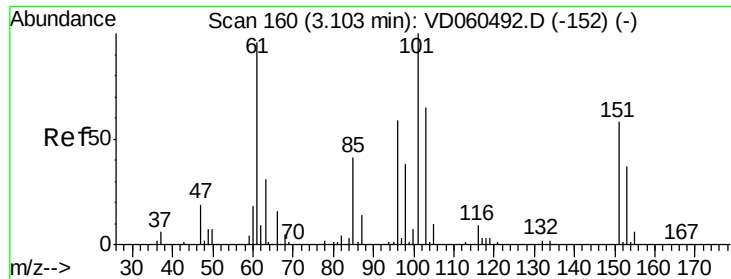


#8

Diethyl Ether
Concen: 21.175 ug/l
RT: 2.85 min Scan# 135
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 74 Resp: 54013
Ion Ratio Lower Upper
74 100
45 153.4 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.380 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

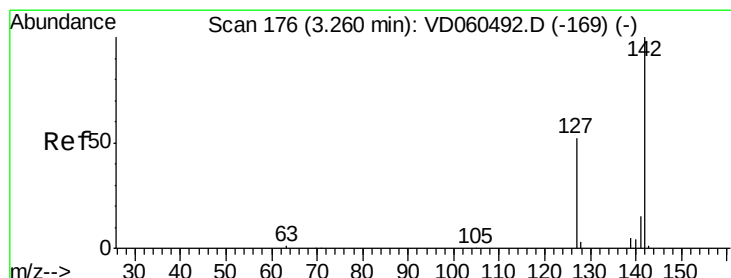
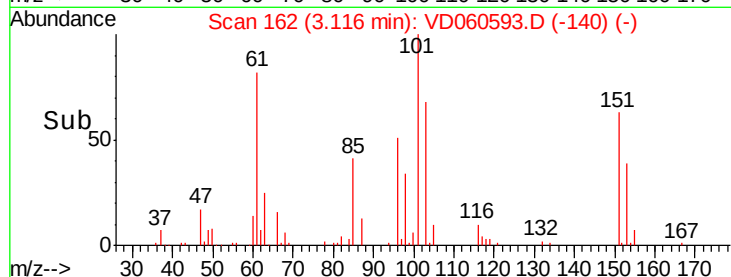
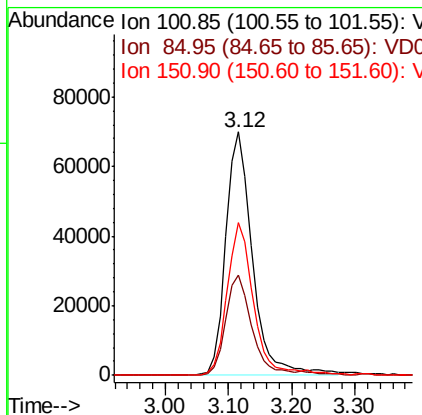
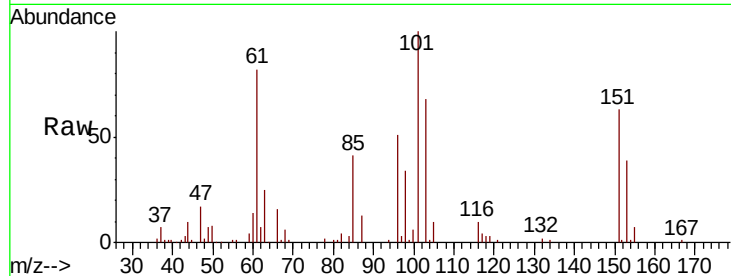
ClientSampleId :

VD1217SBS01

Tot Ion:	101	Resp:	204862
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.7	49.1
151	62.8	46.6	69.8

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#10

Methyl Iodide

Concen: 20.200 ug/l

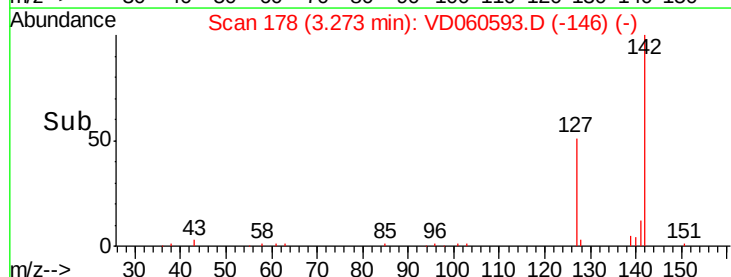
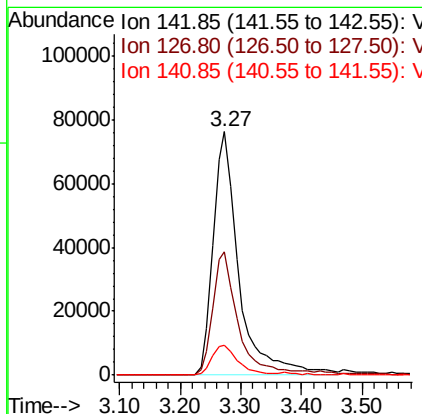
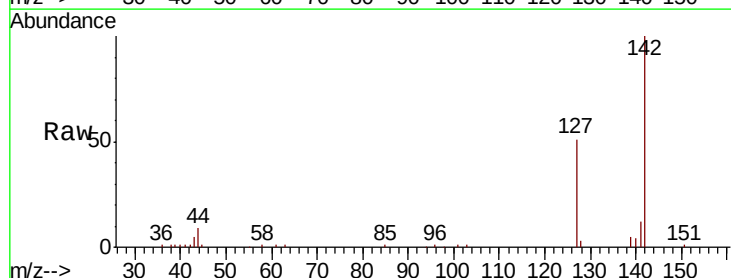
RT: 3.27 min Scan# 178

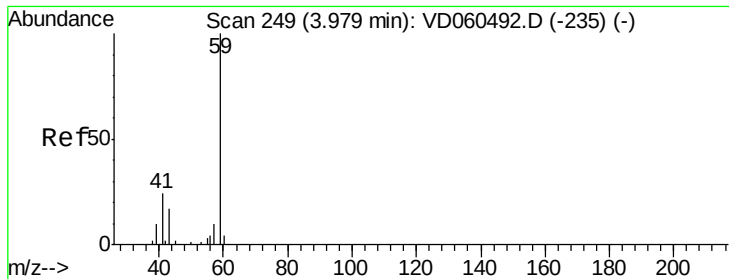
Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion:	142	Resp:	226253
Ion Ratio	Lower	Upper	
142	100		
127	50.9	41.2	61.8
141	12.4	11.9	17.9





#11

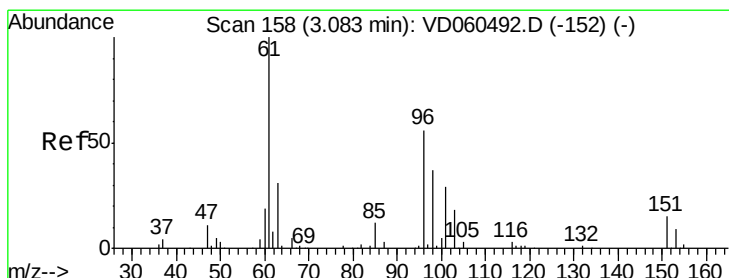
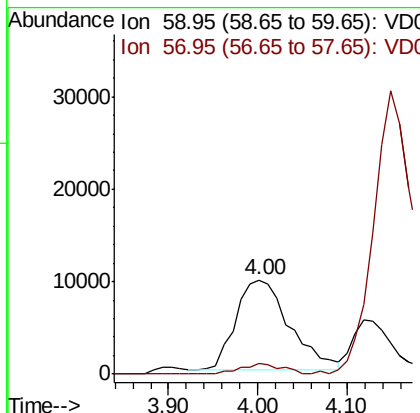
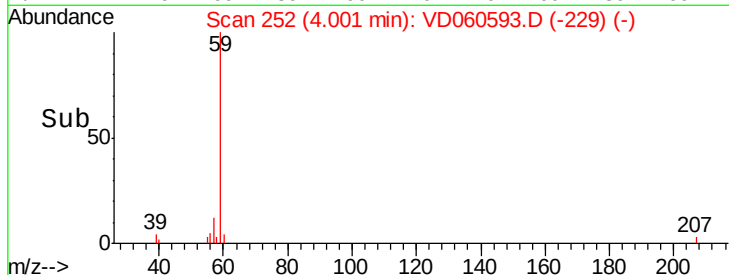
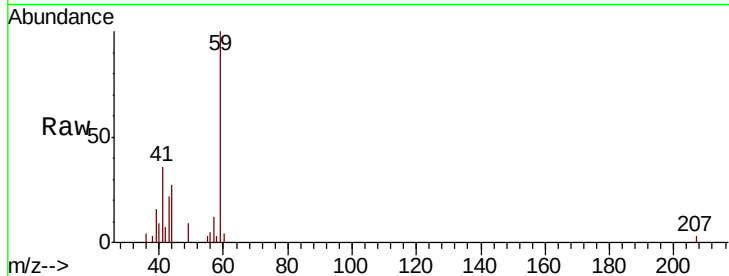
Tert butyl alcohol
Concen: 91.666 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 59 Resp: 41172
Ion Ratio Lower Upper
59 100
57 11.9 8.1 12.1

Manual Integrations
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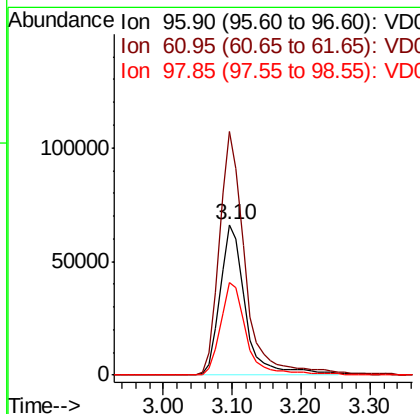
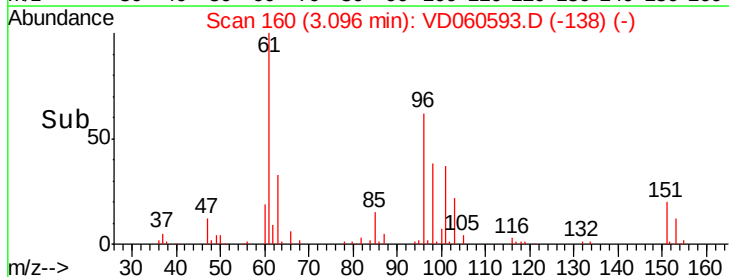
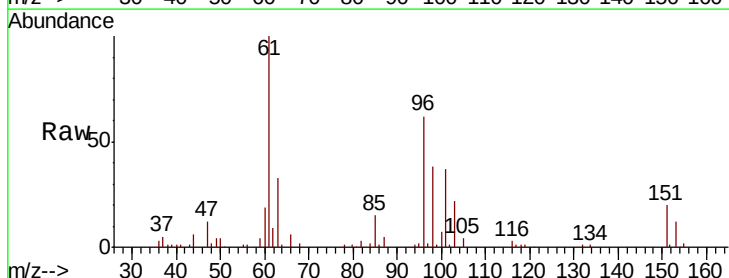
apatel
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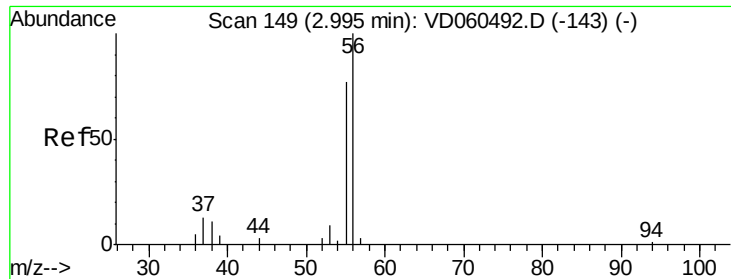


#12

1,1-Dichloroethene
Concen: 21.618 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 96 Resp: 168540
Ion Ratio Lower Upper
96 100
61 162.0 143.0 214.4
98 61.3 53.4 80.0





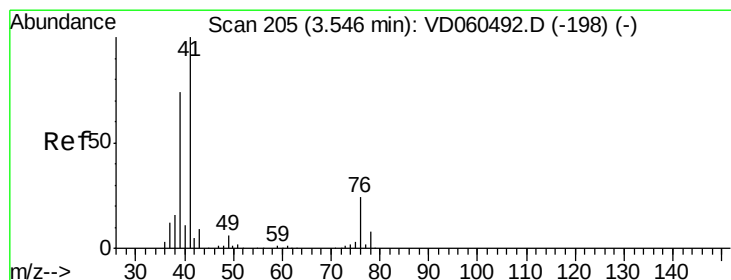
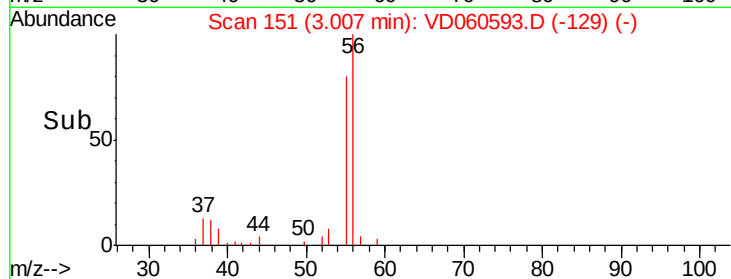
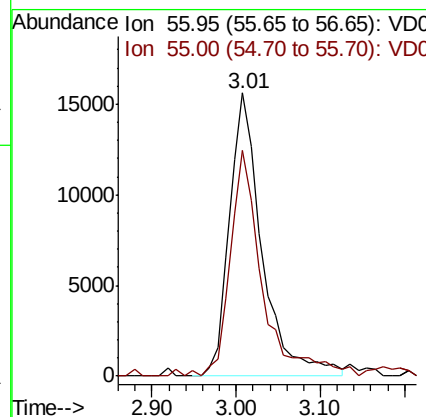
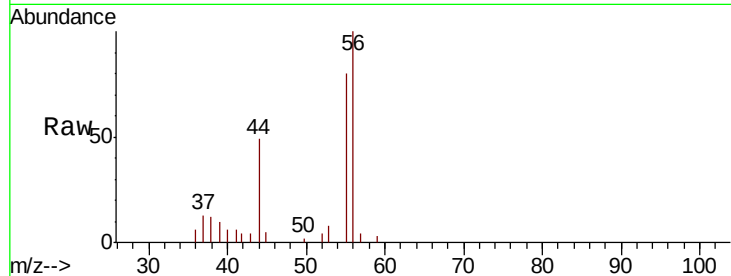
#13
Acrolein
Concen: 85.654 ug/l
RT: 3.01 min Scan# 151
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 56 Resp: 42037
Ion Ratio Lower Upper
56 100
55 79.8 62.0 93.0

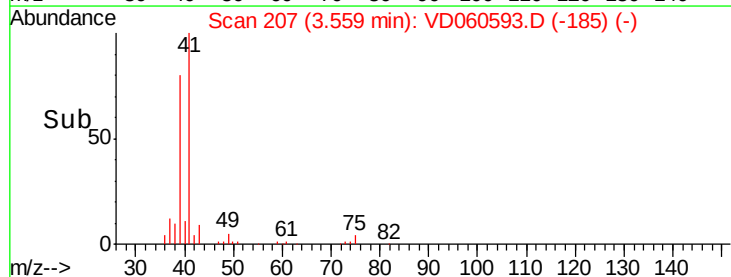
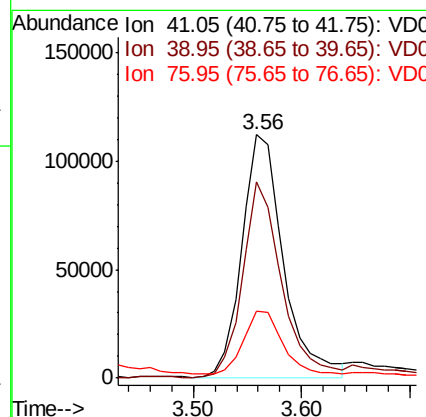
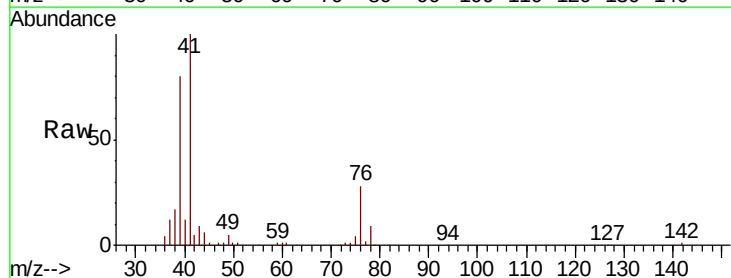
Manual Integrations
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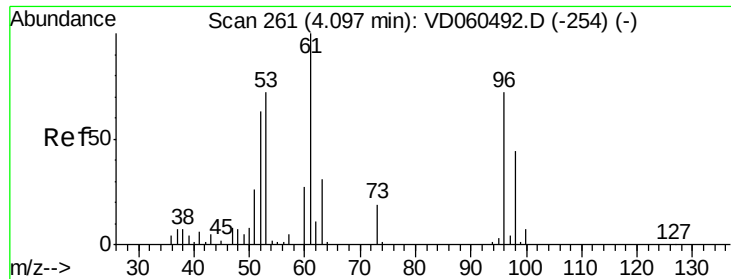
apatel
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#14
Allyl chloride
Concen: 20.184 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 41 Resp: 298551
Ion Ratio Lower Upper
41 100
39 80.4 59.3 88.9
76 27.8 21.0 31.6





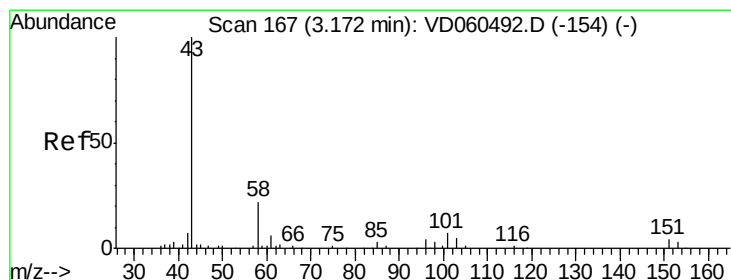
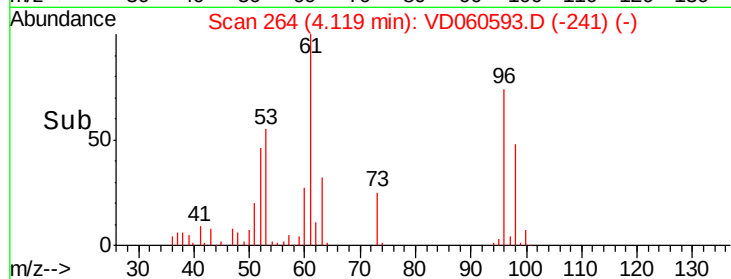
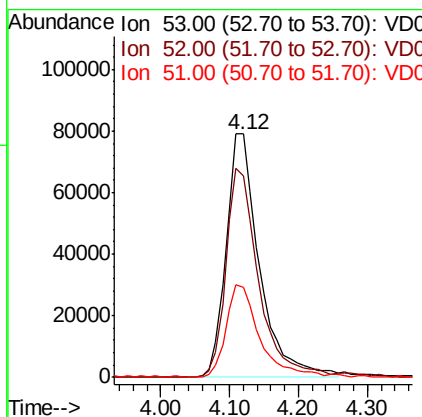
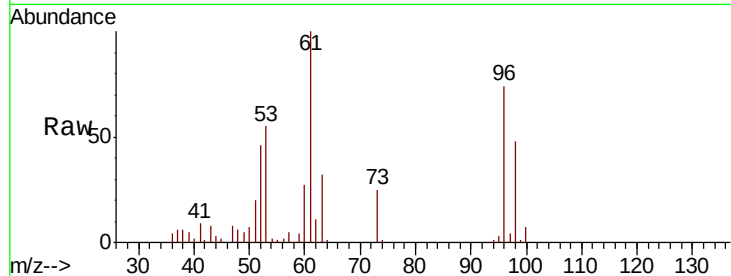
#15
 Acrylonitrile
 Concen: 103.951 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1217SBS01

Tot Ion	53	Resp	265106
Ion Ratio	100	Lower	Upper
53	100		
52	83.0	70.0	105.0
51	36.8	28.8	43.2

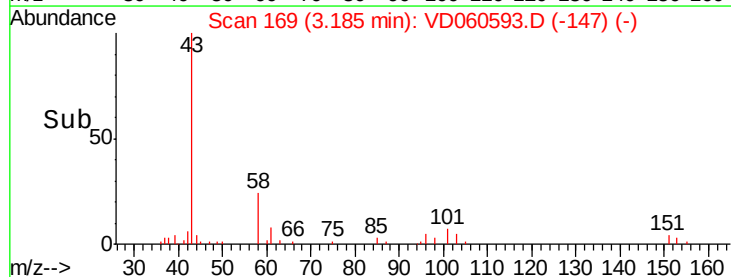
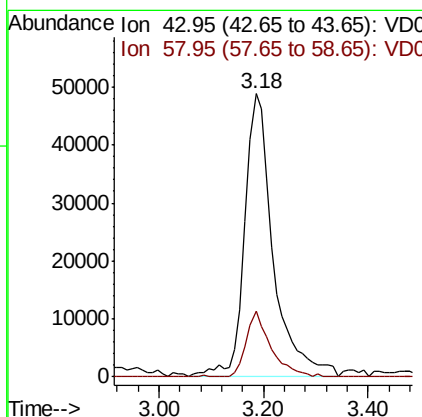
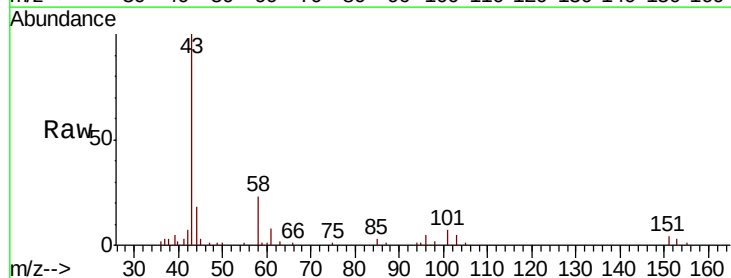
Manual Integrations
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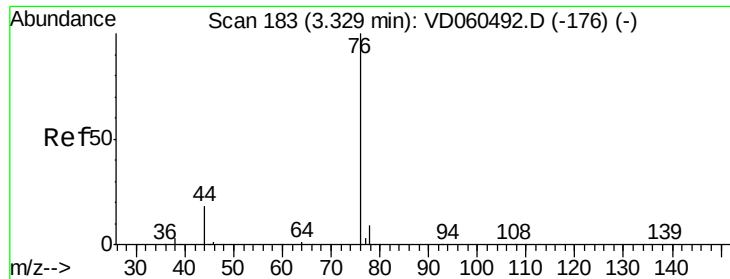
apatel
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#16
 Acetone
 Concen: 102.284 ug/l
 RT: 3.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	43	Resp	181256
Ion Ratio	100	Lower	Upper
43	100		
58	23.2	17.3	25.9





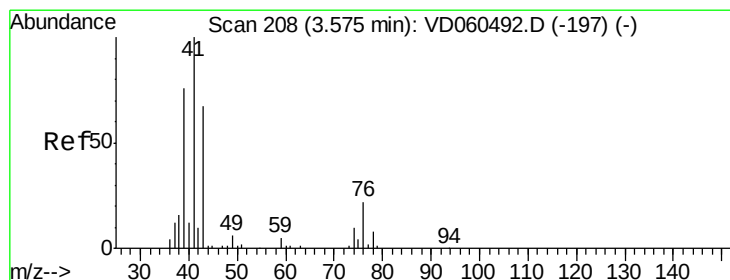
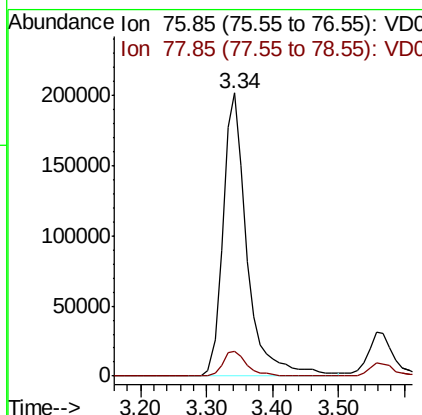
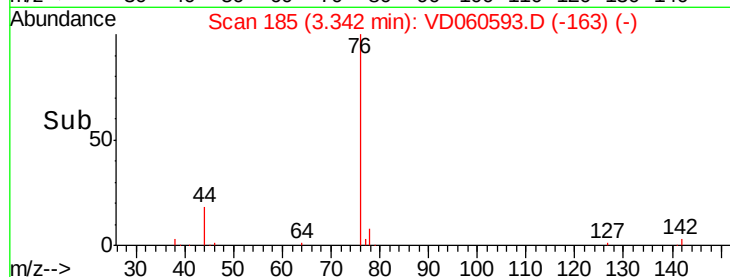
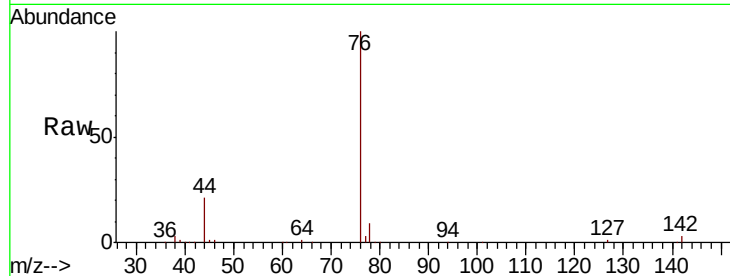
#17
Carbon Disulfide
Concen: 20.338 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

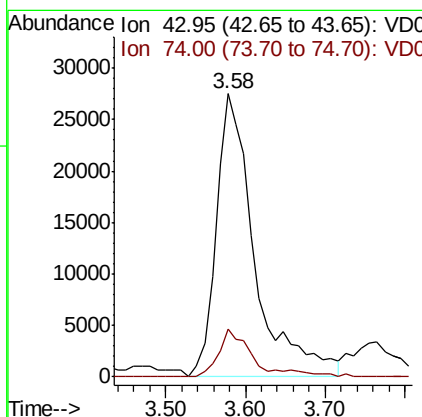
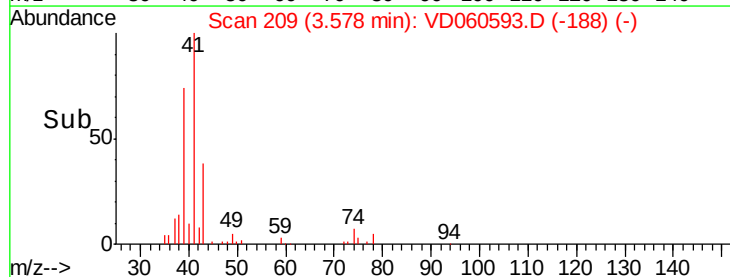
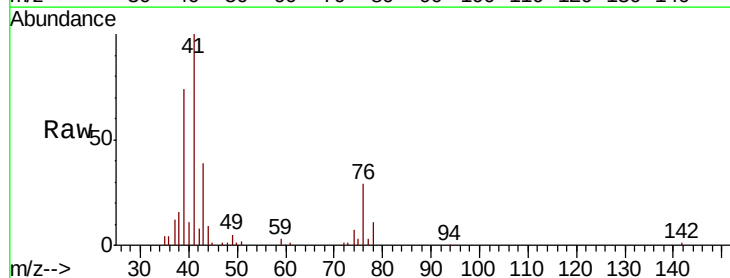
Manual Integrations
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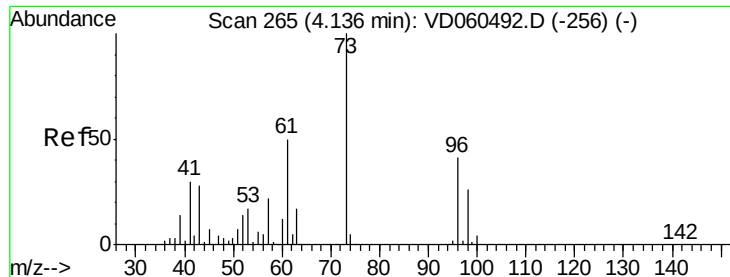
apatel
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#18
Methyl Acetate
Concen: 22.209 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	12.0	18.0





#19

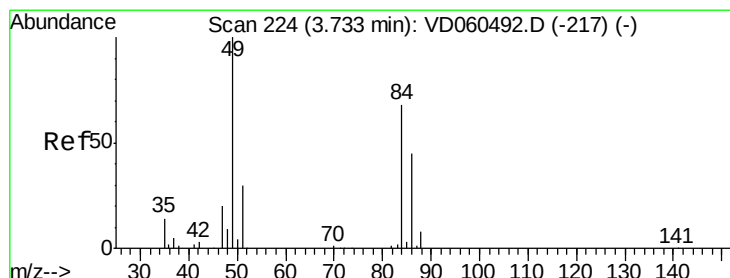
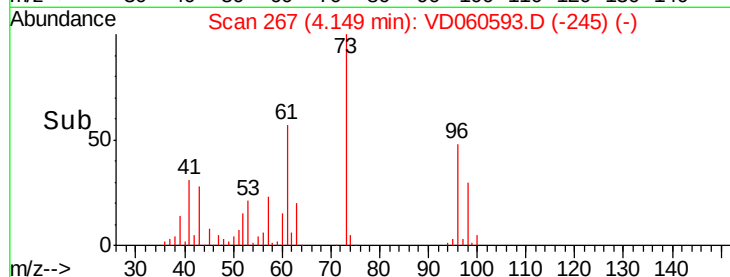
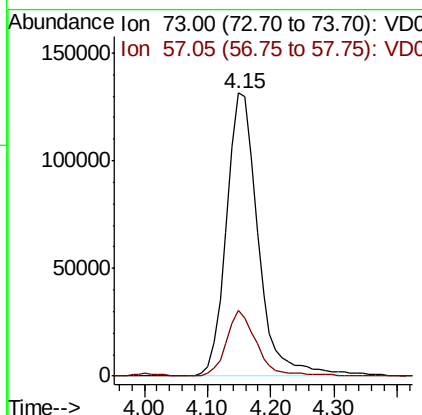
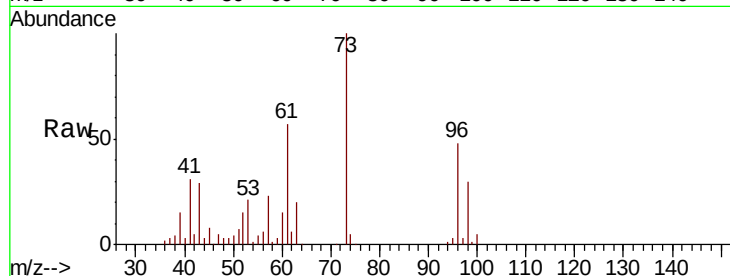
Methyl tert-butyl Ether
 Concen: 21.095 ug/l
 RT: 4.15 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.8	26.6

Manual Integrations
 APPROVED

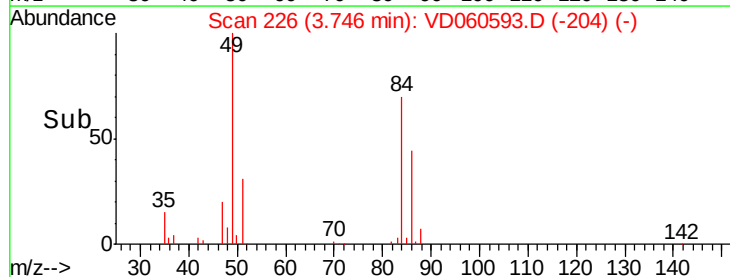
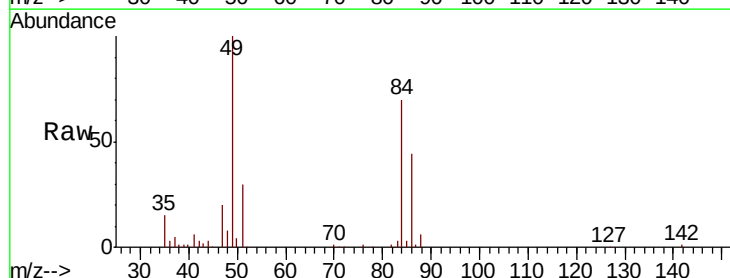
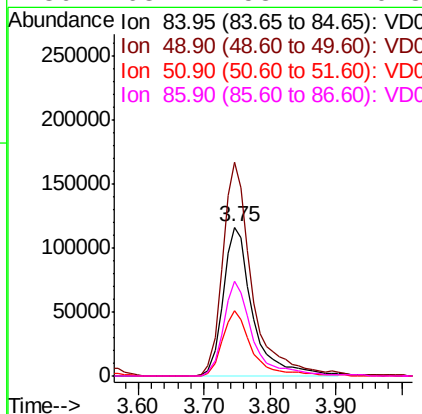
apatel
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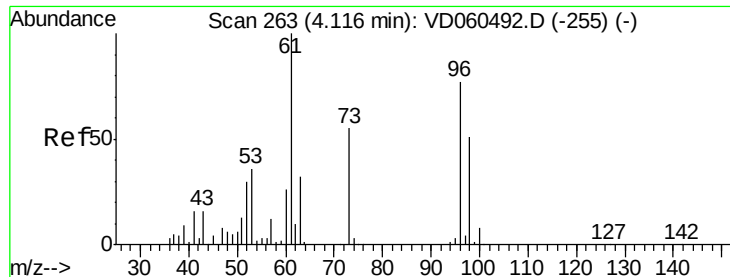


#20

Methylene Chloride
 Concen: 19.591 ug/l
 RT: 3.75 min Scan# 226
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.4	117.2	175.8
51	43.7	35.3	52.9
86	63.2	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.505 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 96 Resp: 347733

Ion Ratio Lower Upper

96 100

61 131.3 104.2 156.4

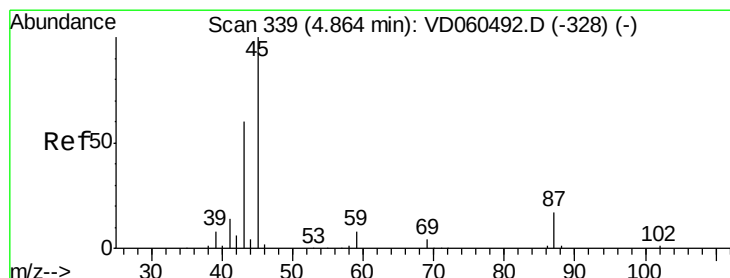
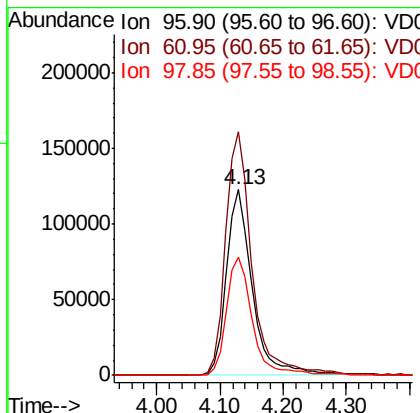
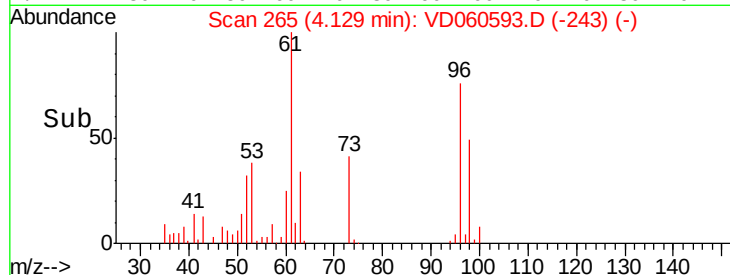
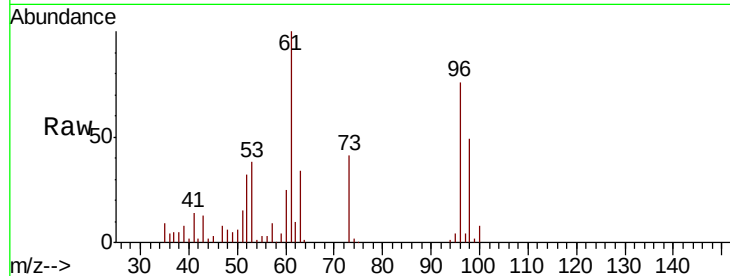
98 64.0 52.8 79.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.363 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion: 45 Resp: 1081419

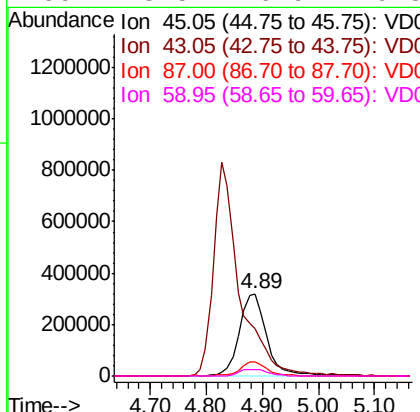
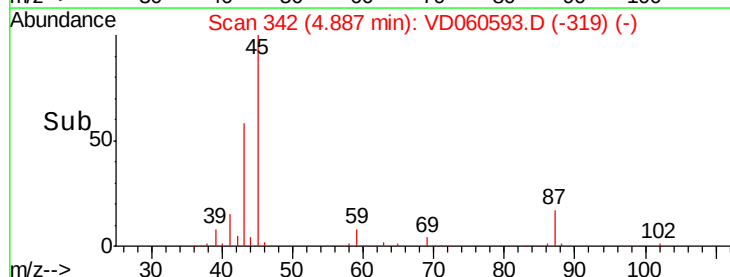
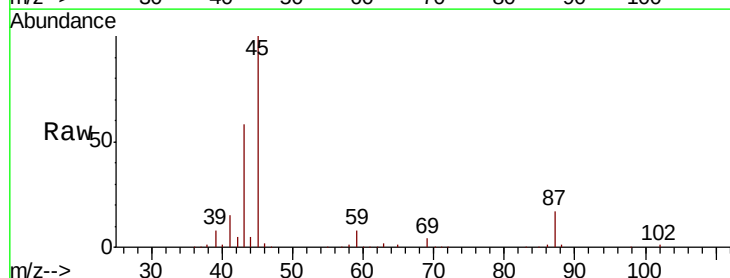
Ion Ratio Lower Upper

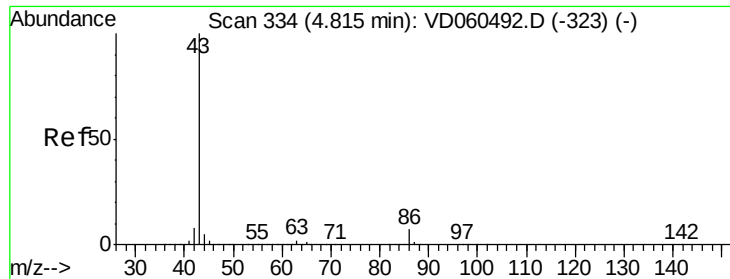
45 100

43 57.6 48.6 73.0

87 17.1 14.0 21.0

59 8.5 6.9 10.3





#23

Vinyl Acetate

Concen: 102.704 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 43 Resp: 2702406

Ion Ratio Lower Upper

43 100

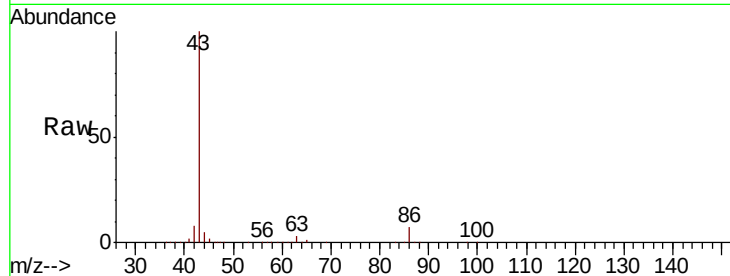
86 6.7 5.5 8.3

Manual Integrations

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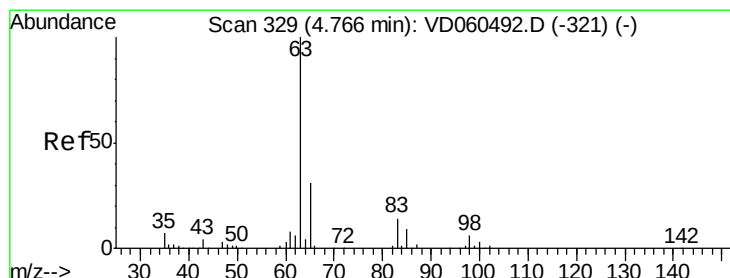
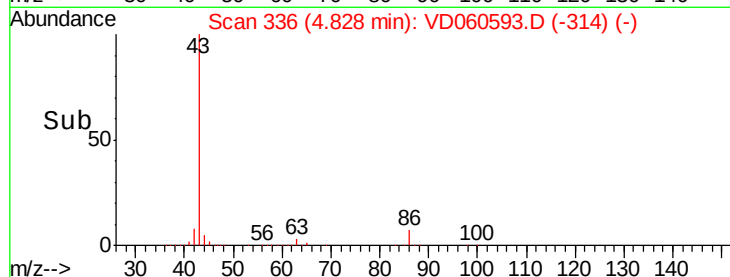
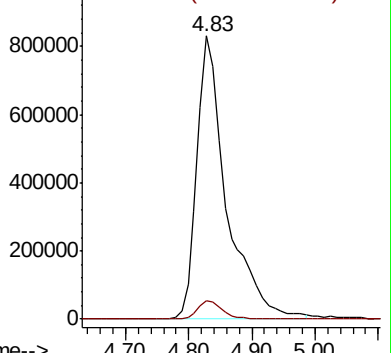
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.765 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

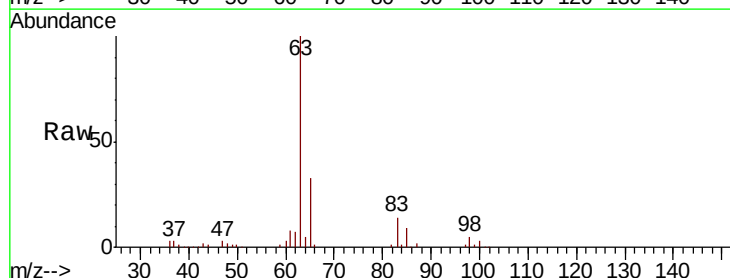
Tgt Ion: 63 Resp: 572901

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

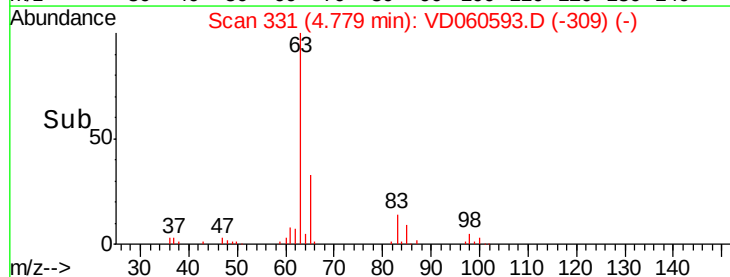
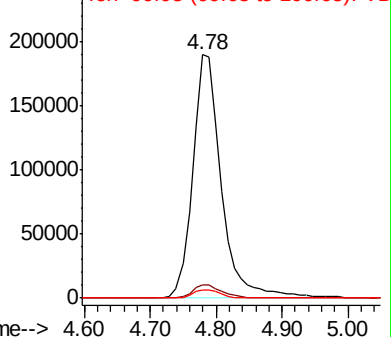
100 3.5 1.7 5.1

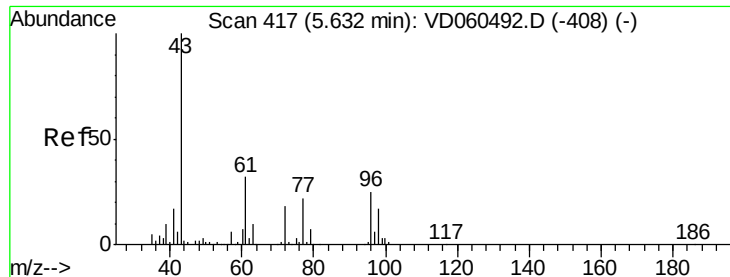


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.366 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 43 Resp: 360378

Ion Ratio Lower Upper

43 100

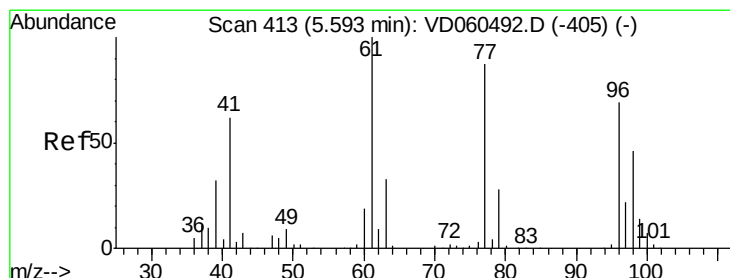
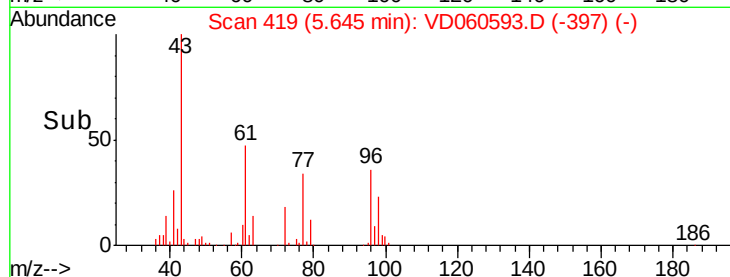
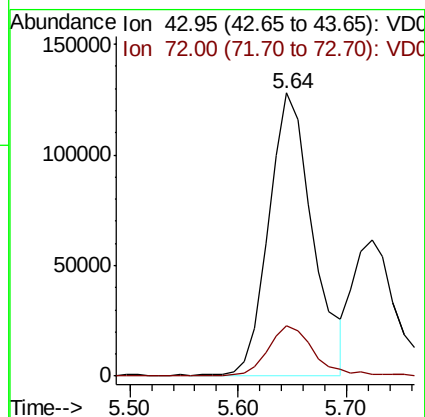
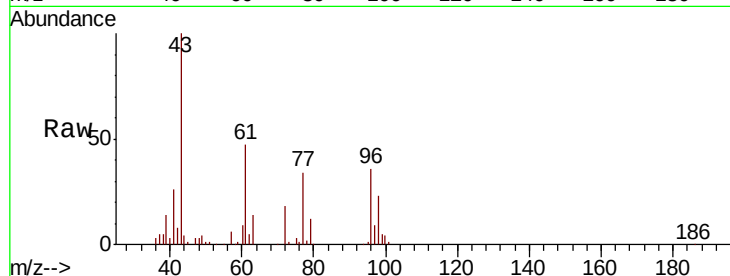
72 18.0 14.6 21.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.528 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060593.D

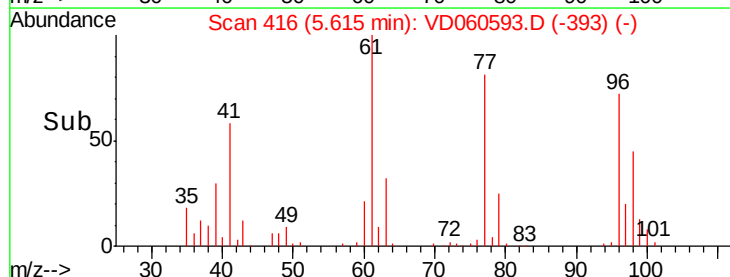
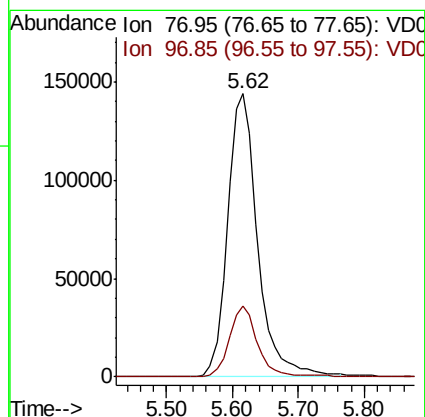
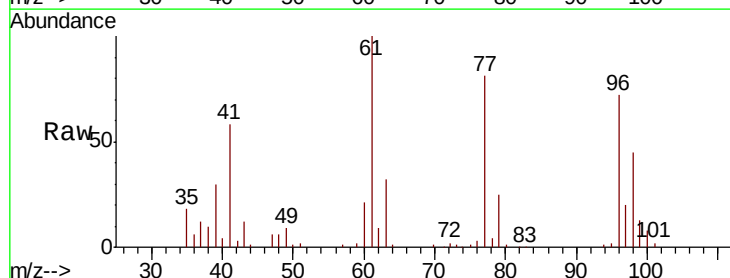
Acq: 17 Dec 2018 12:16

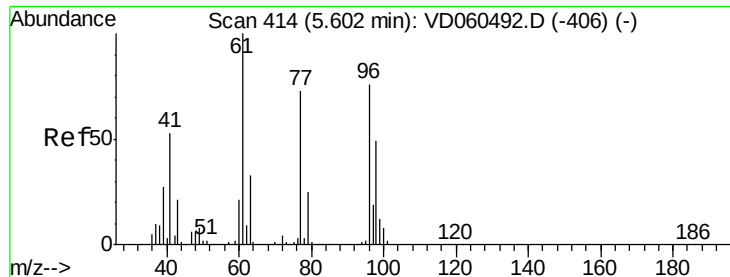
Tgt Ion: 77 Resp: 458827

Ion Ratio Lower Upper

77 100

97 25.1 12.7 38.0





#27

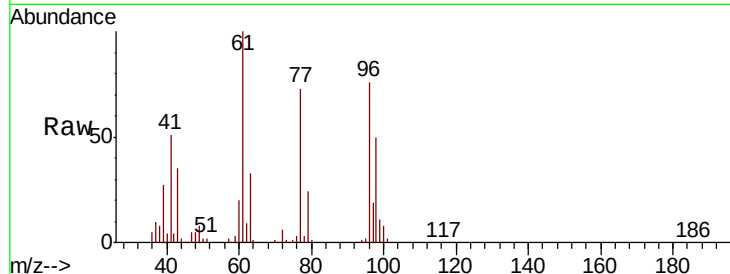
cis-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

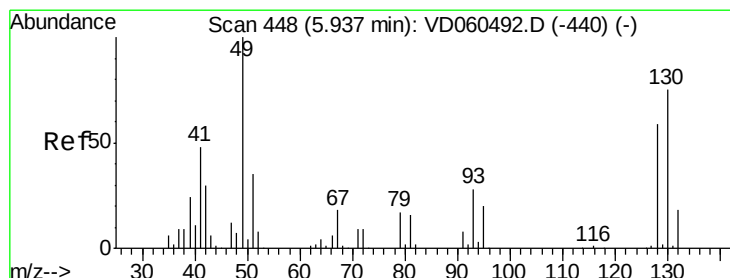
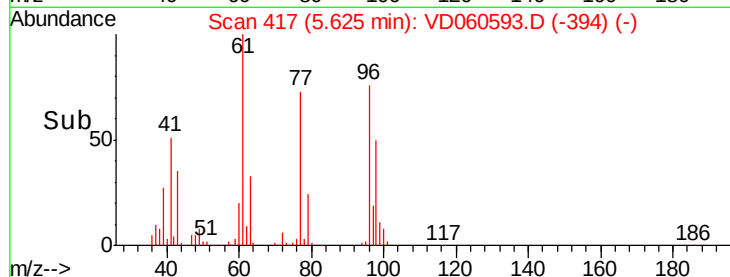
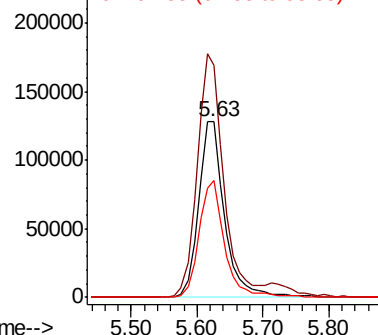
Tot Ion	Ratio	Resp	Lower	Upper
96	100	353287		
61	131.8	0.0	263.6	
98	66.3	0.0	128.2	

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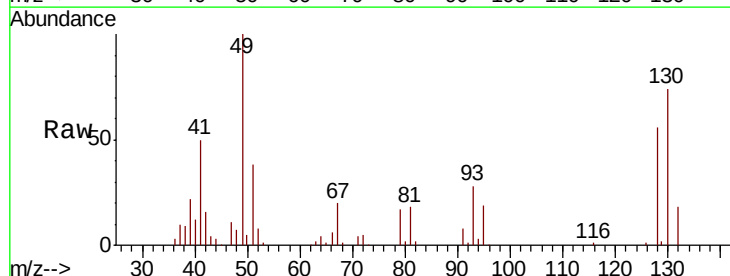
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



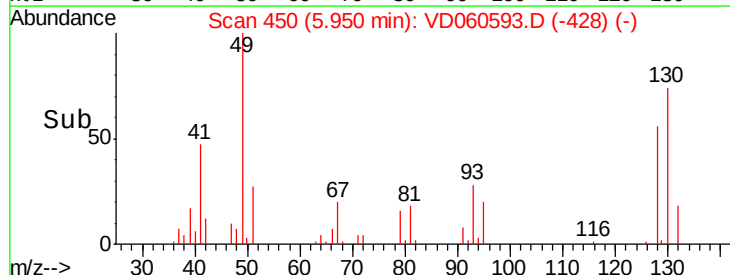
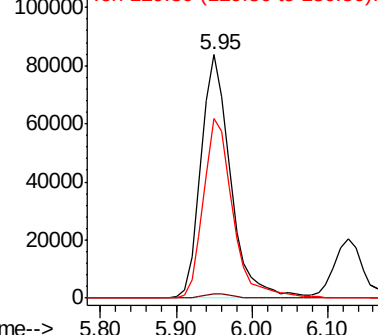
#28

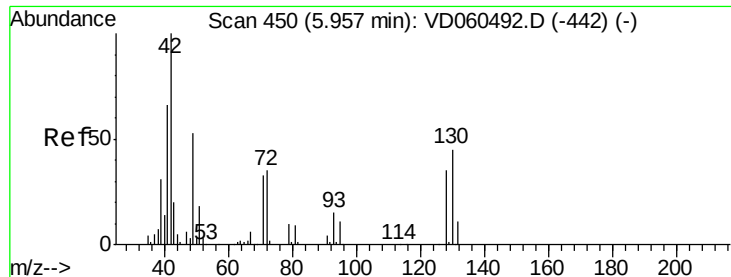
Bromochloromethane
Concen: 18.436 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	225318		
129	1.6	0.0	3.4	
130	73.8	59.8	89.6	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





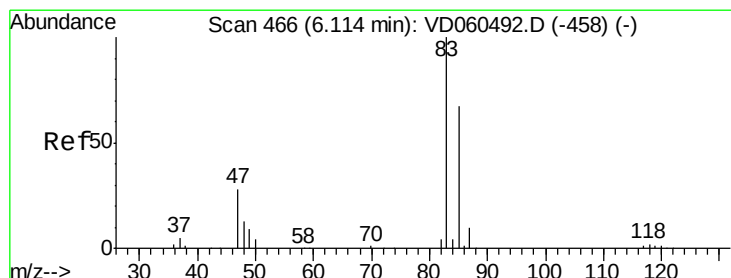
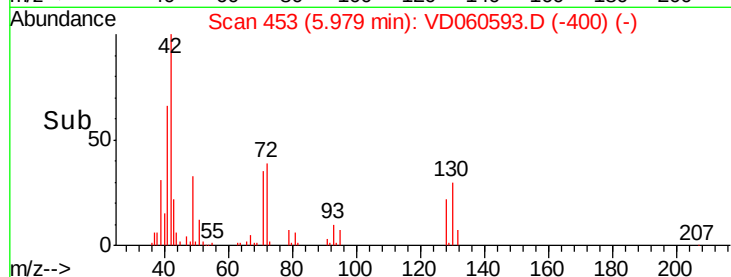
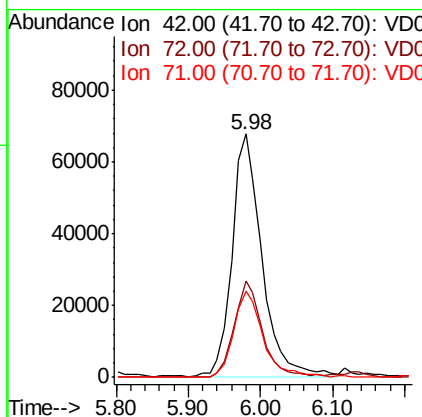
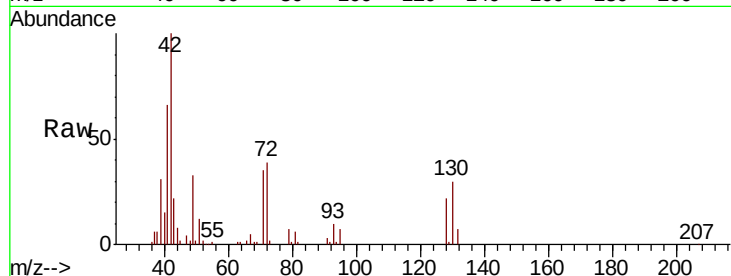
#29
Tetrahydrofuran
Concen: 99.773 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.0	42.0
71	34.6	27.2	40.8

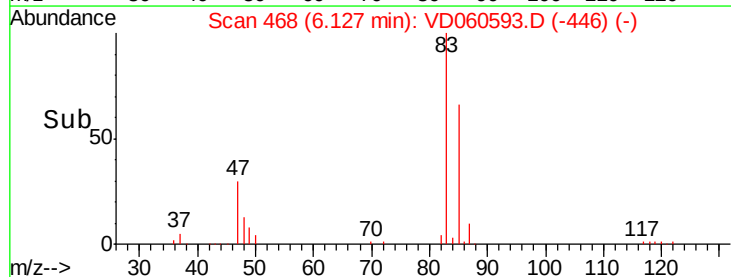
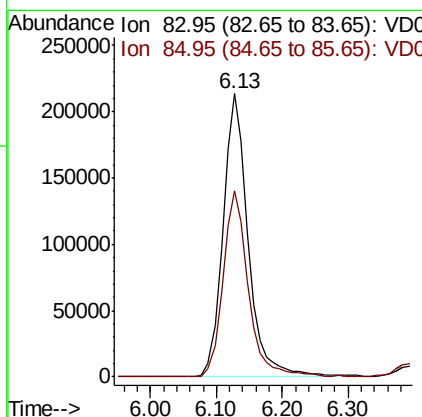
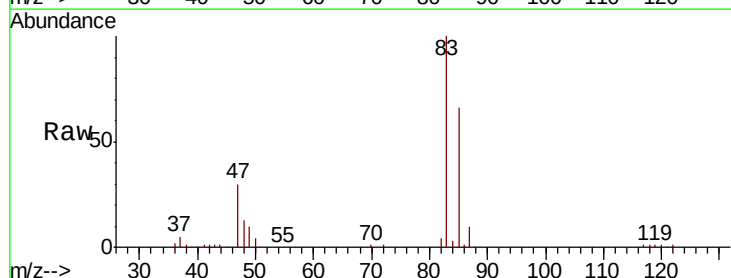
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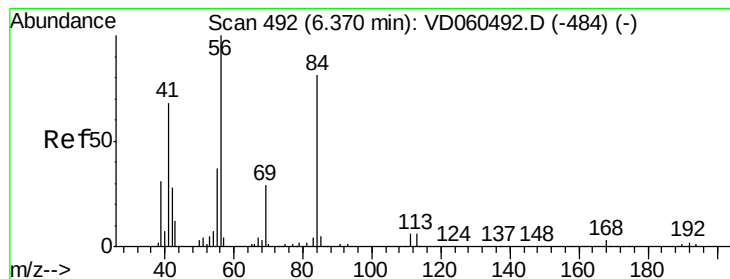
apatel
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#30
Chloroform
Concen: 20.443 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.2





#31

Cyclohexane

Concen: 20.319 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

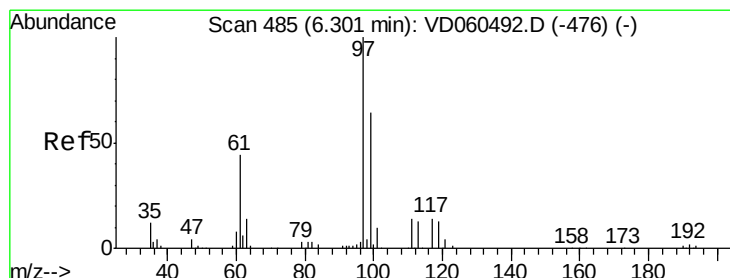
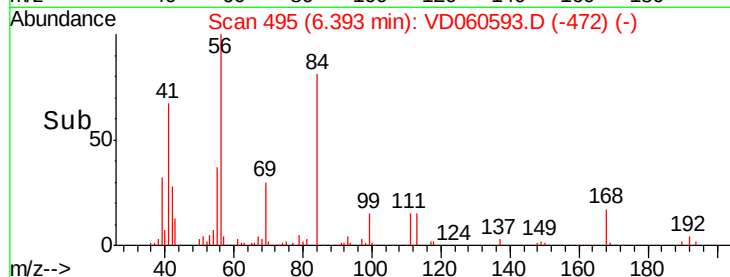
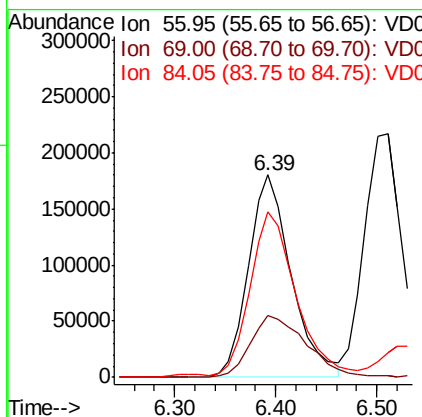
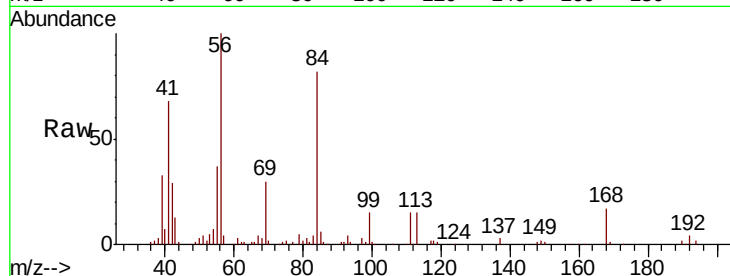
ClientSampleId :

VD1217SBS01

Tot Ion:	56	Resp:	533037
Ion Ratio	Lower	Upper	
56	100		
69	30.4	22.8	34.2
84	82.0	65.1	97.7

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#32

1,1,1-Trichloroethane

Concen: 20.869 ug/l

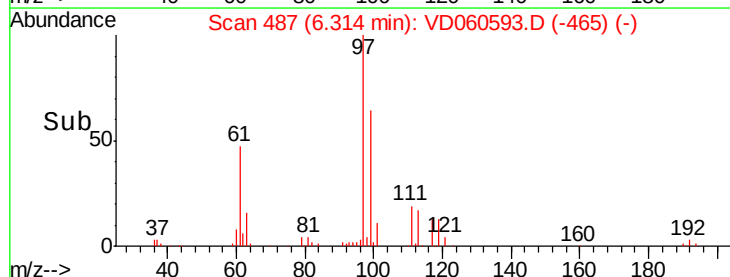
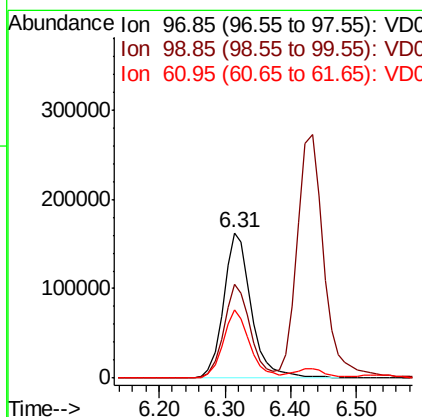
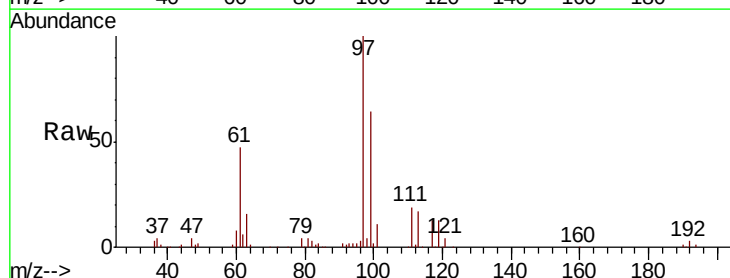
RT: 6.31 min Scan# 487

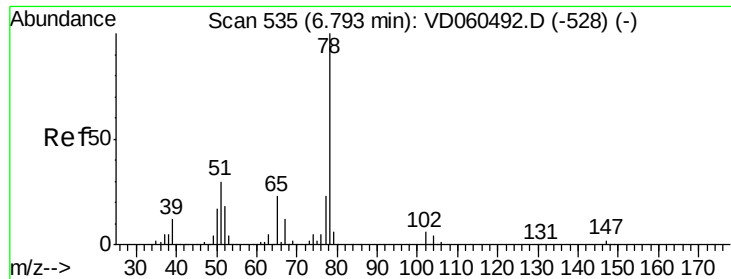
Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion:	97	Resp:	476865
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.4
61	46.8	35.3	52.9





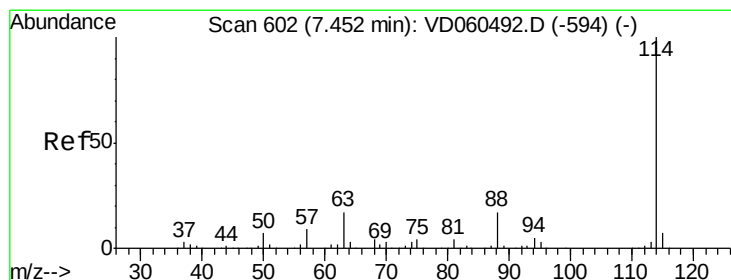
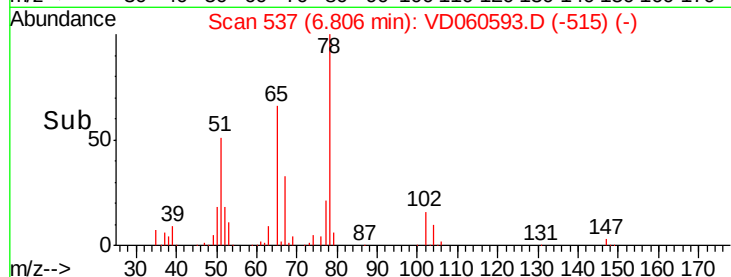
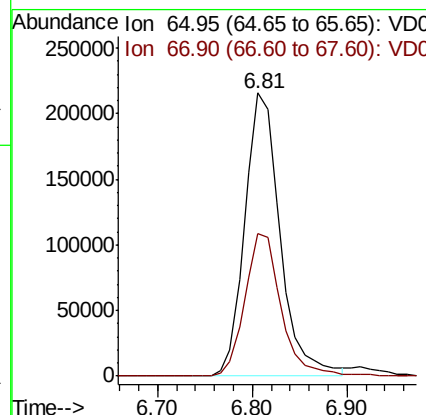
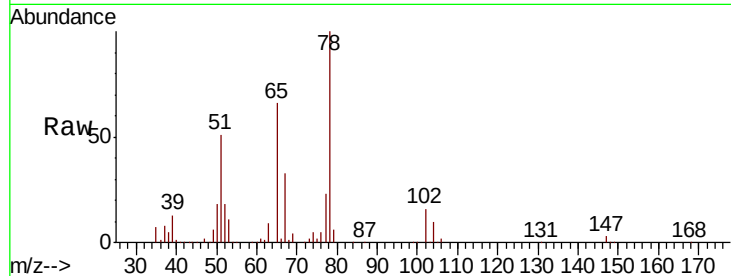
#33
 1,2-Dichloroethane-d4
 Concen: 20.869 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.2	0.0	106.8	

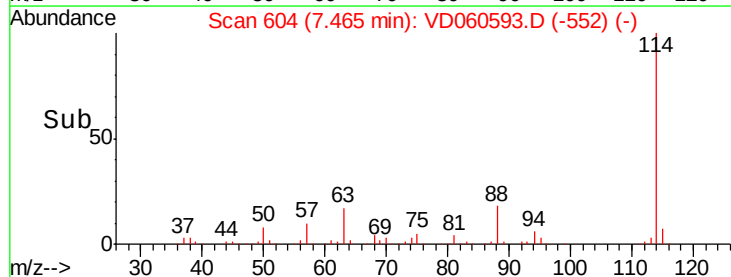
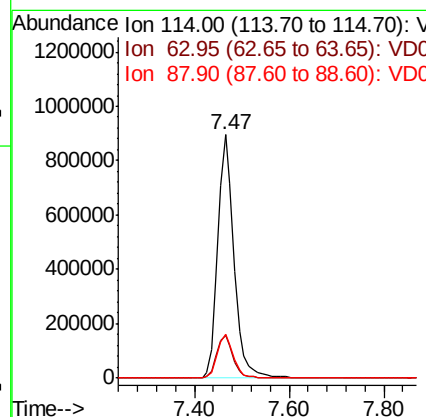
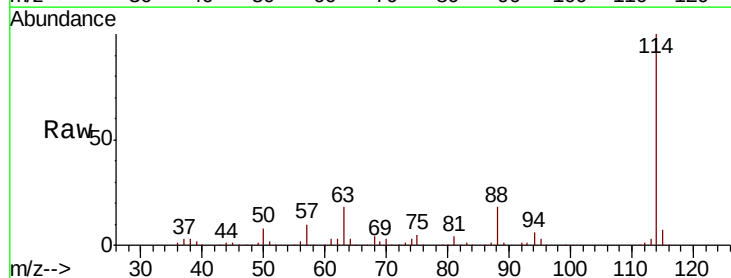
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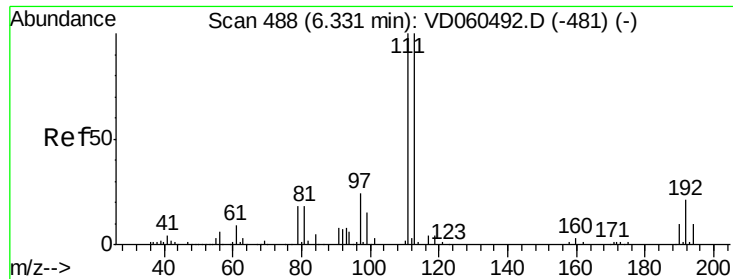
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	34.2	
88	18.2	0.0	35.0	





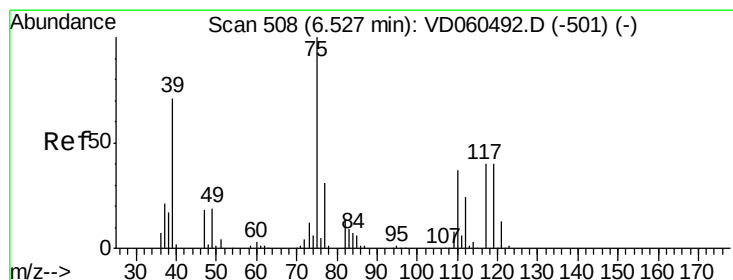
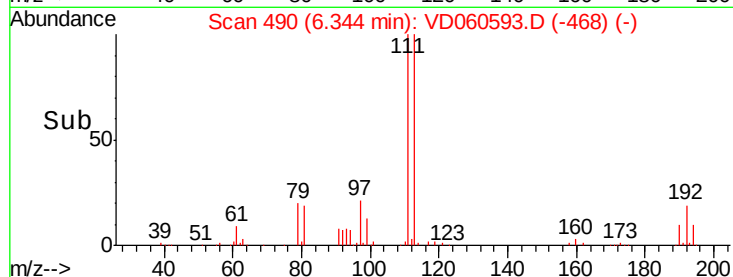
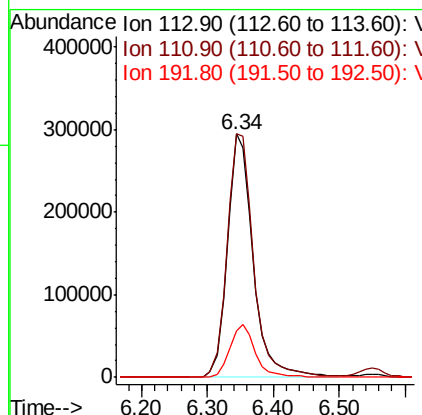
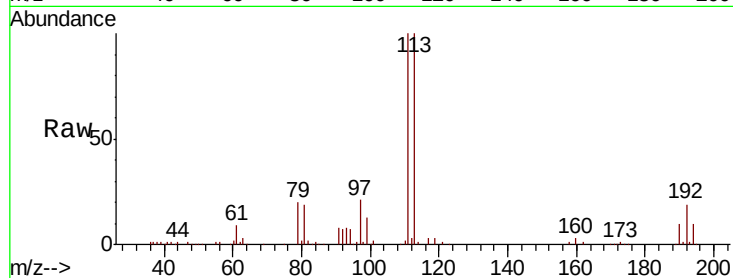
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	804136		
111	100.2	80.2	120.4	
192	19.2	16.6	24.8	

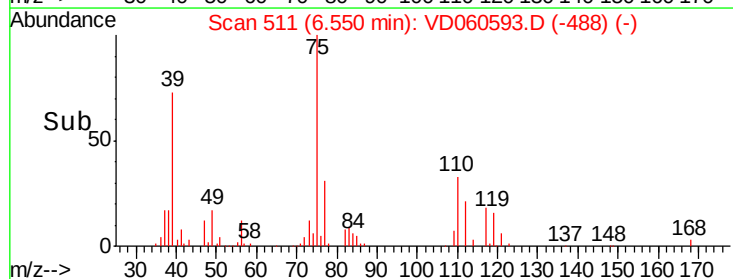
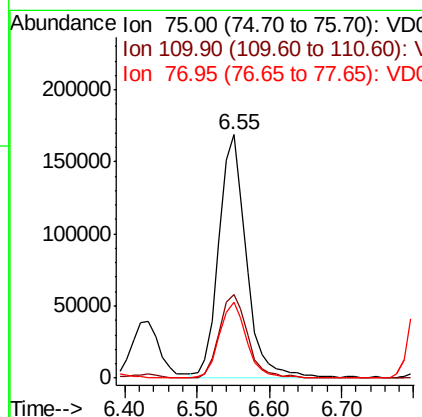
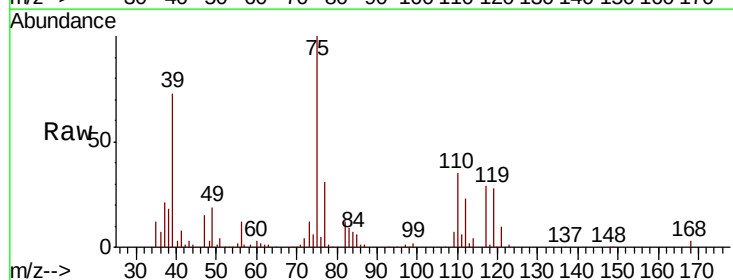
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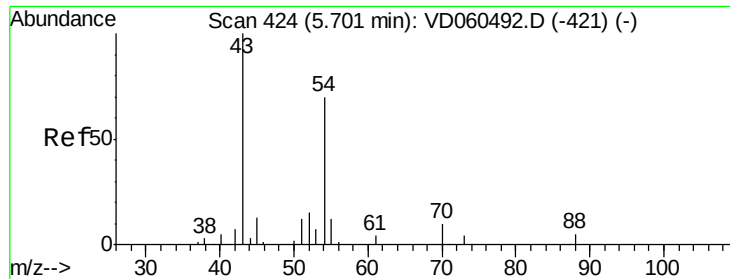
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#36
1,1-Dichloropropene
Concen: 21.084 ug/l
RT: 6.55 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	438398		
110	34.6	18.3	54.8	
77	31.0	24.6	37.0	





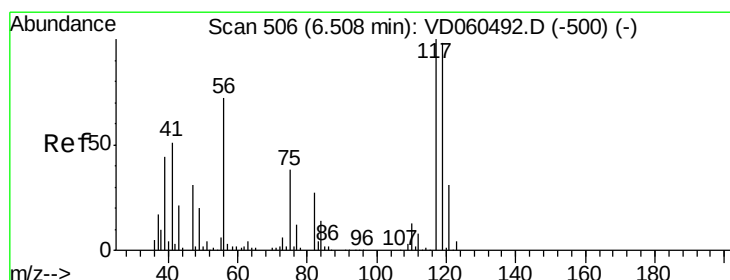
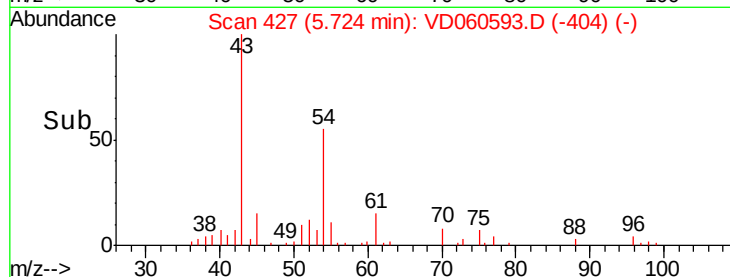
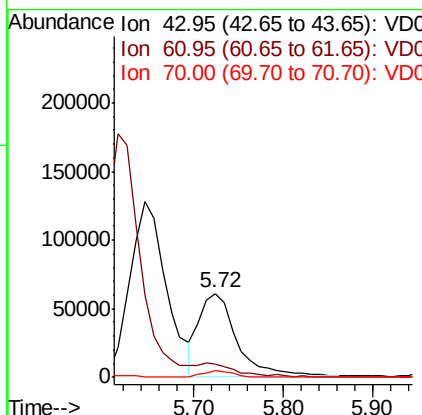
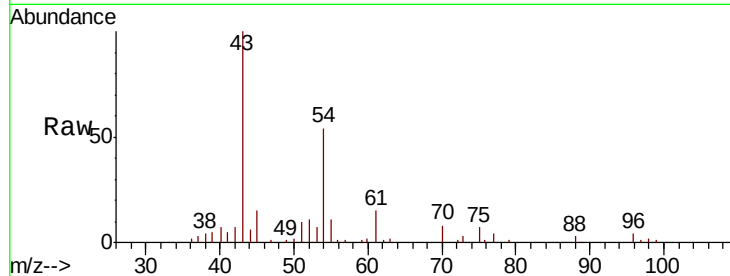
#37
Ethyl Acetate
Concen: 19.284 ug/l
RT: 5.72 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.4	18.6
70	7.7	5.4	8.0

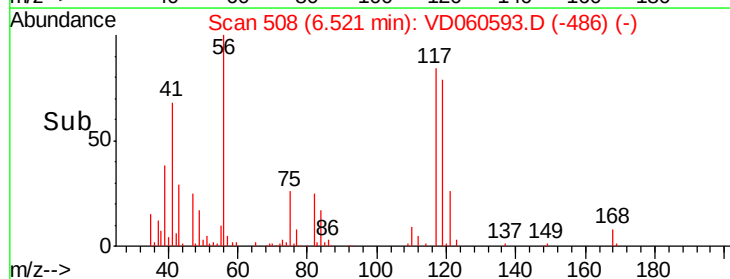
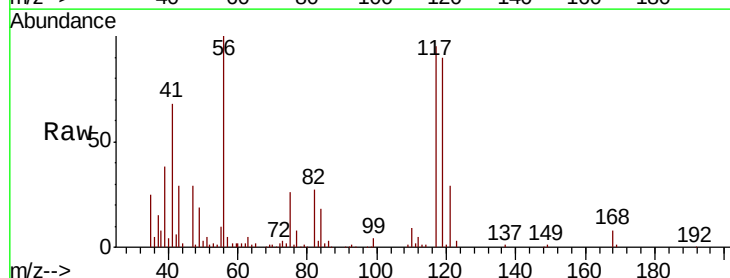
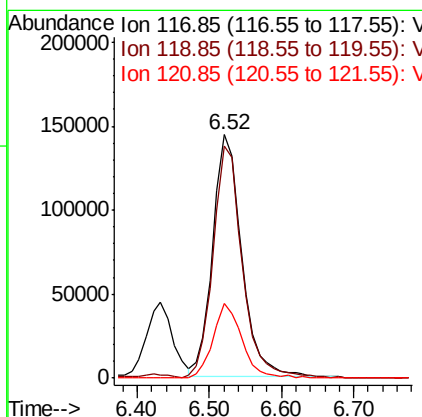
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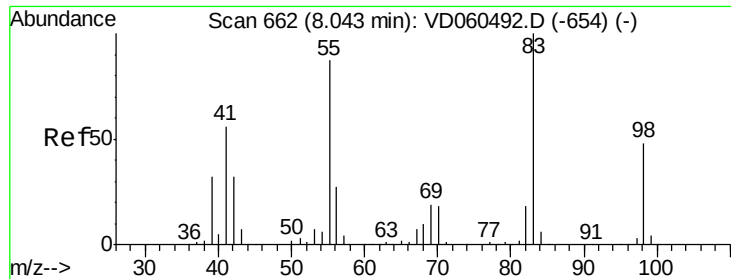
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#38
Carbon Tetrachloride
Concen: 21.458 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.8	115.2
121	30.5	24.4	36.6





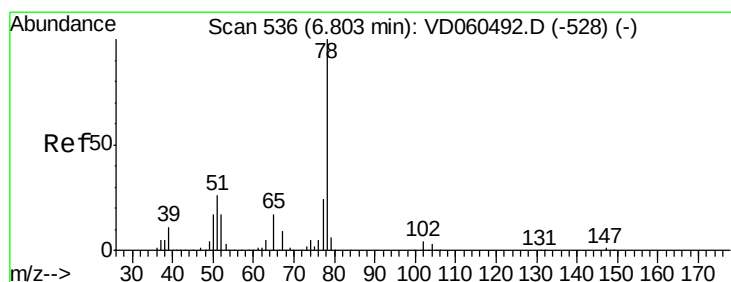
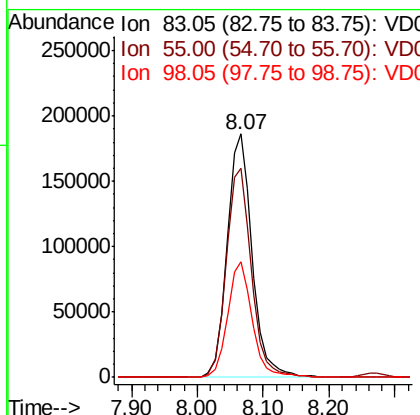
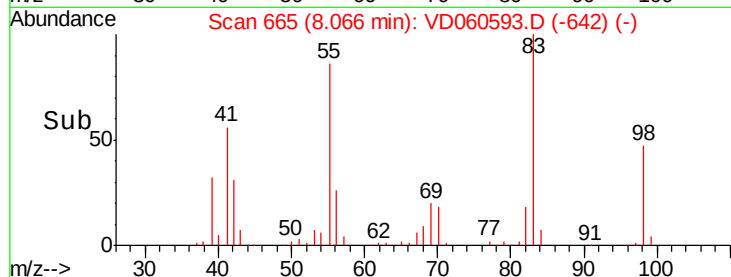
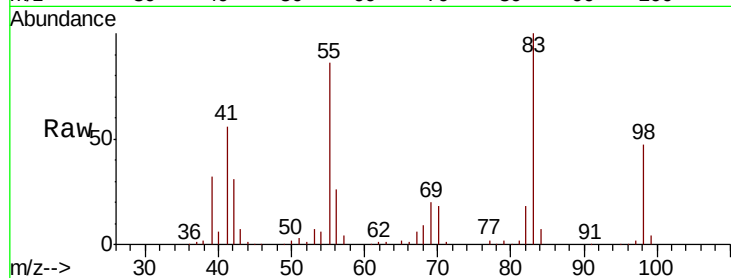
#39
Methylvlcyclohexane
Concen: 20.813 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	83	Resp	493343
Ion Ratio	100	Lower	Upper
83	100		
55	85.7	69.8	104.8
98	47.5	38.4	57.6

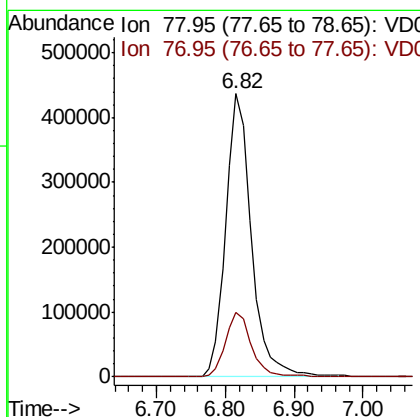
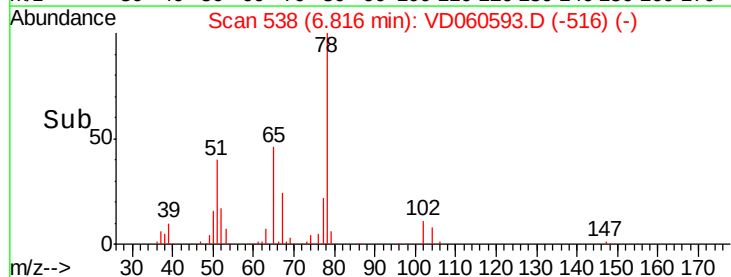
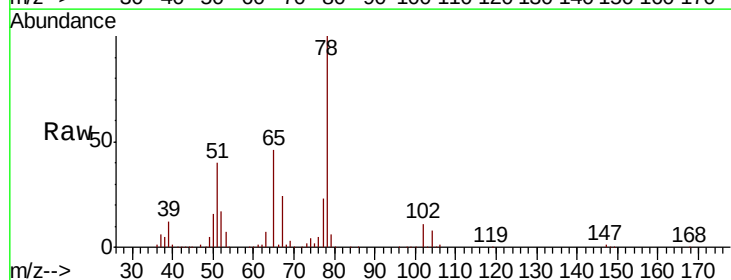
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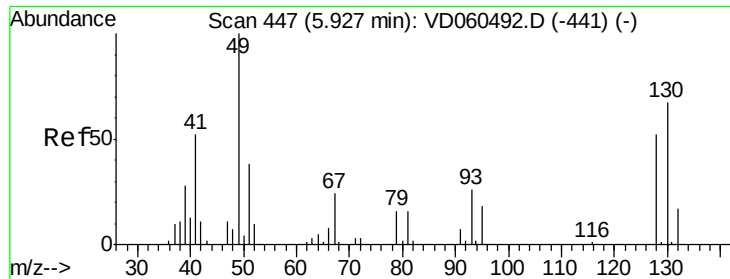
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#40
Benzene
Concen: 21.214 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	78	Resp	1127313
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.9	28.3





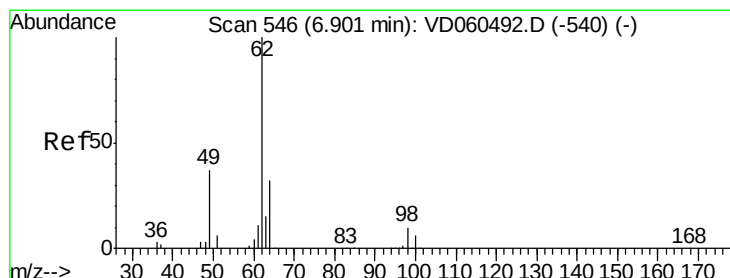
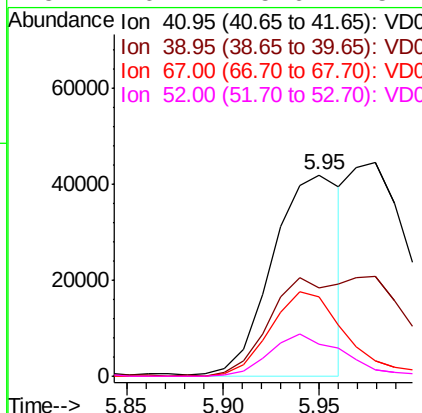
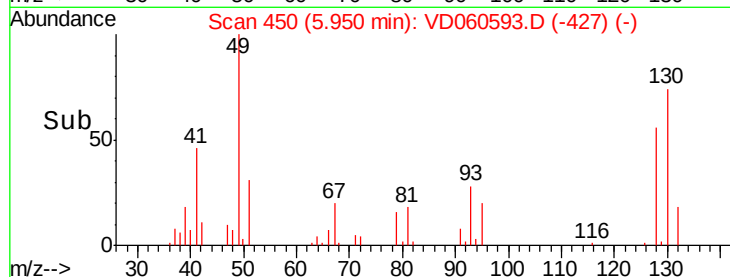
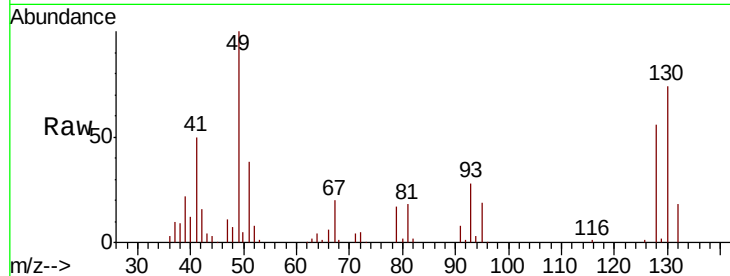
#41
Methacrylonitrile
Concen: 21.503 ug/l m
RT: 5.95 min Scan# 450
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	41	Resp	104525
Ion Ratio	Lower	Upper	
41	100		
39	43.7	42.6	63.8
67	39.5	36.2	54.4
52	16.1	15.6	23.4

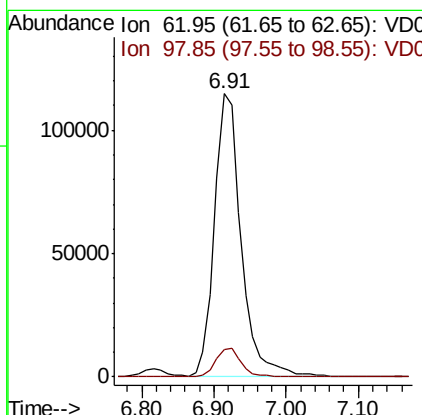
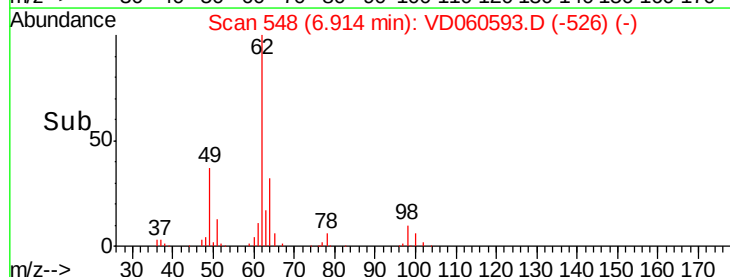
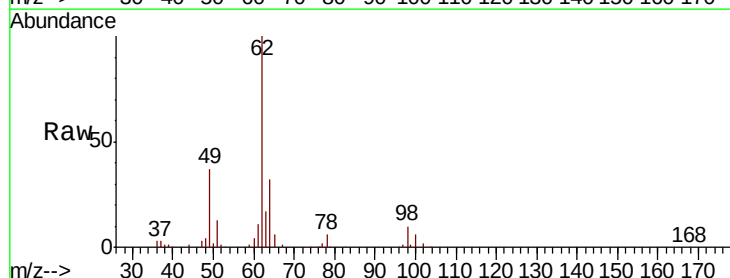
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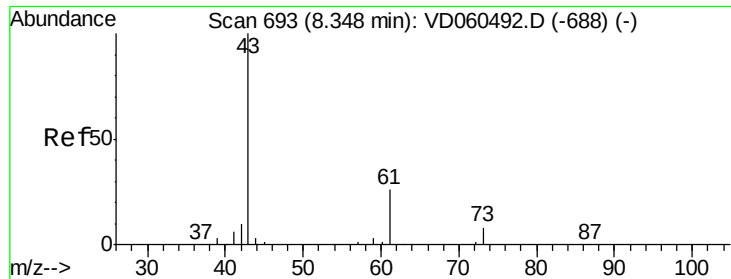
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#42
1,2-Dichloroethane
Concen: 21.552 ug/l
RT: 6.91 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	62	Resp	291195
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	20.2





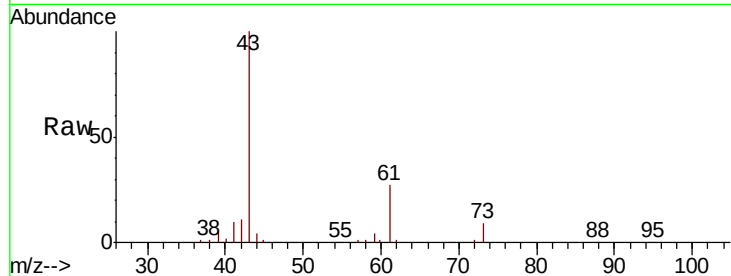
#43
Isopropyl Acetate
Concen: 19.943 ug/l
RT: 8.37 min Scan# 696
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

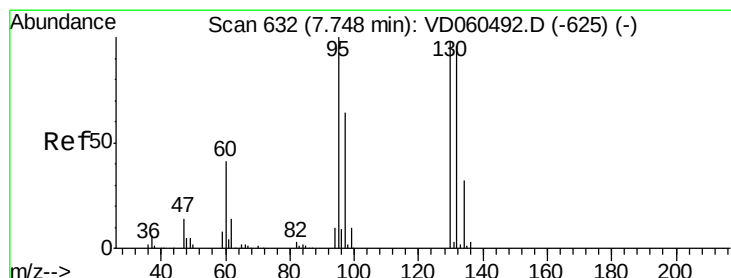
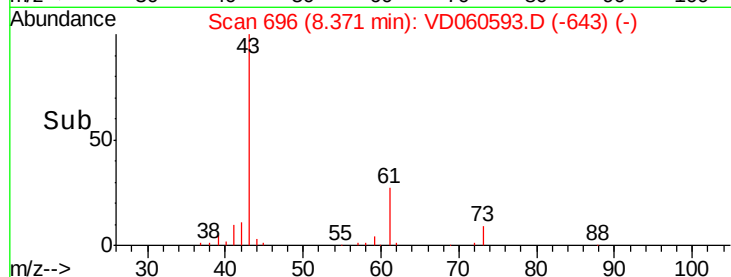
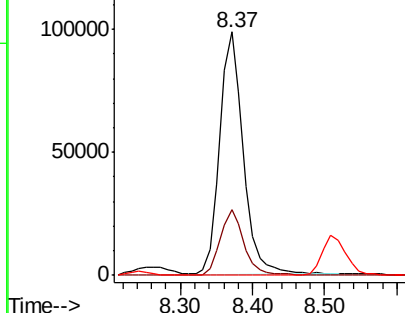
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.0	31.4
87	0.0	0.2	0.2#

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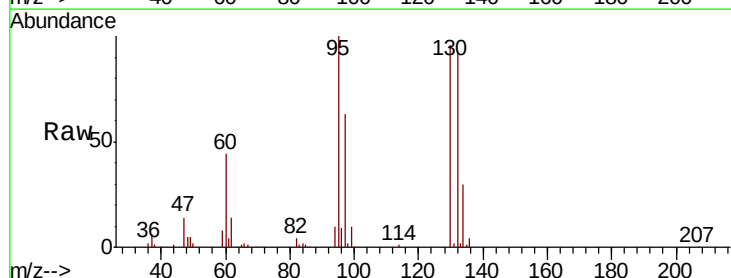


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

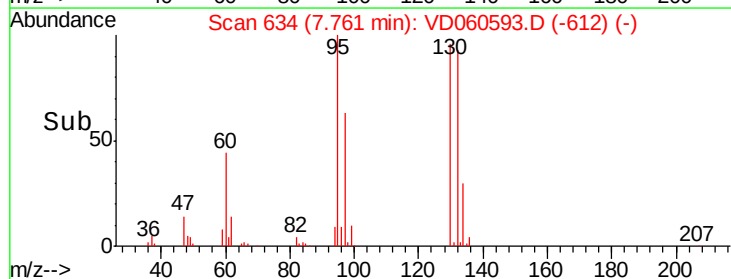
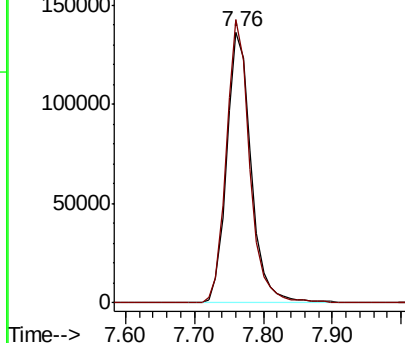


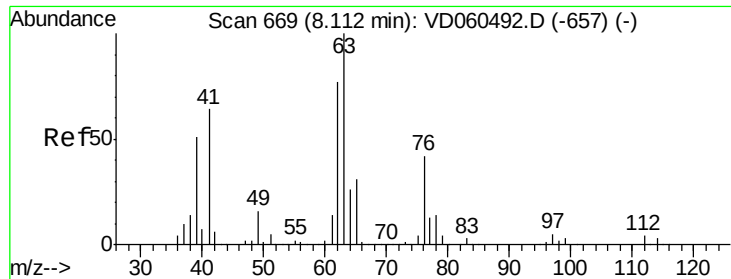
#44
Trichloroethene
Concen: 21.036 ug/l
RT: 7.76 min Scan# 634
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.8



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





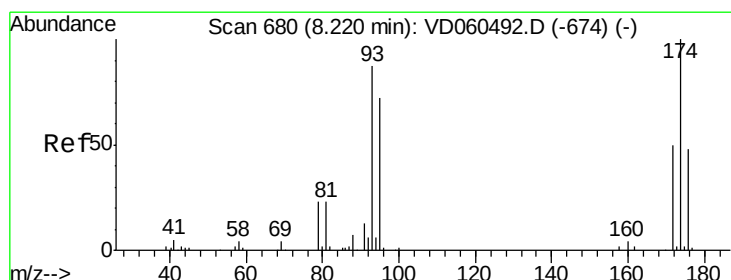
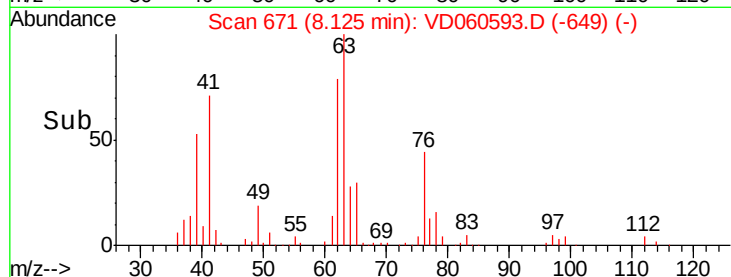
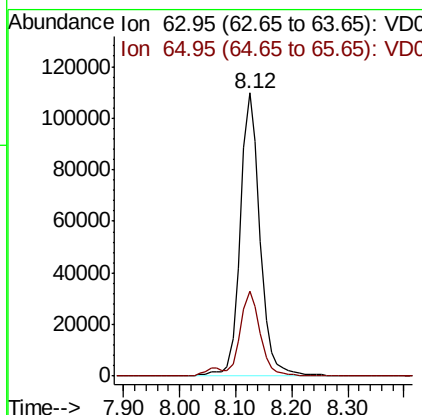
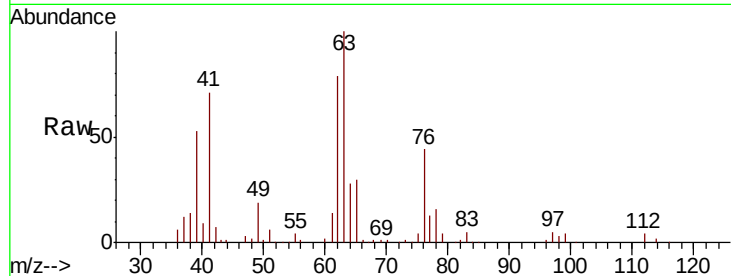
#45
 1,2-Dichloropropane
 Concen: 20.469 ug/l
 RT: 8.12 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion: 63 Resp: 269017
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

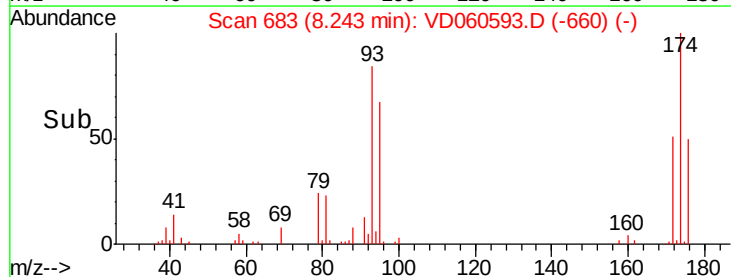
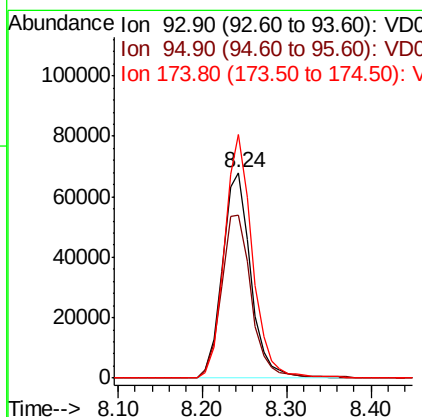
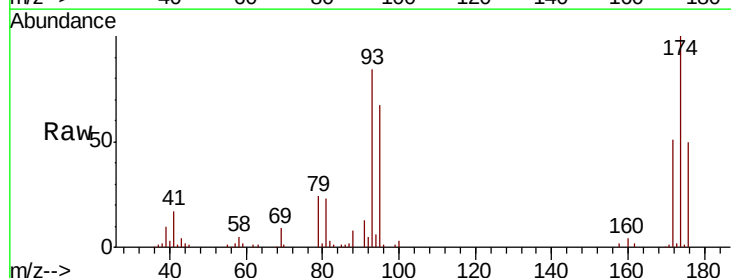
Manual Integrations
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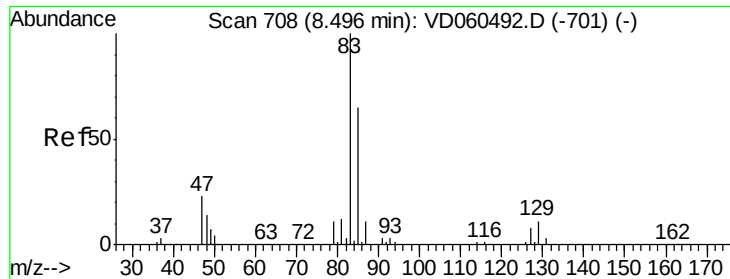
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#46
 Dibromomethane
 Concen: 20.806 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 93 Resp: 157991
 Ion Ratio Lower Upper
 93 100
 95 79.5 65.6 98.4
 174 118.5 91.7 137.5





#47

Bromodichloromethane

Concen: 20.866 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

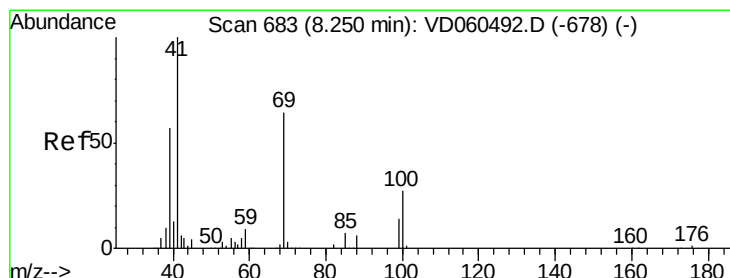
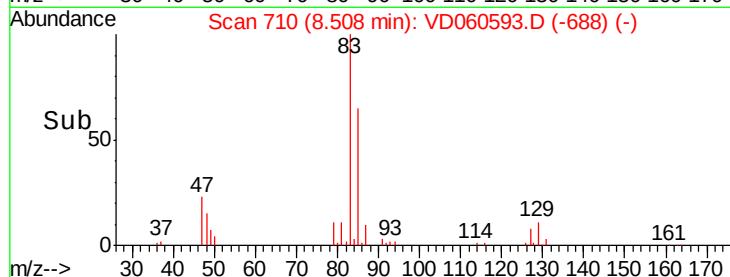
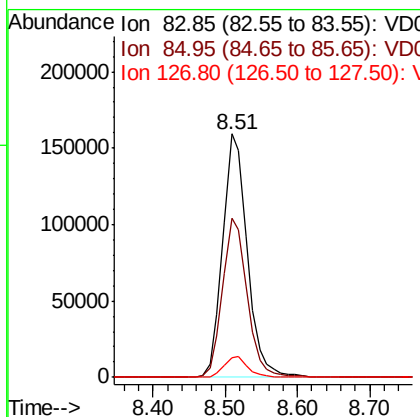
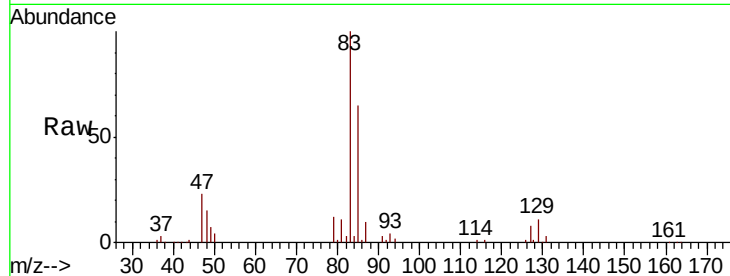
ClientSampleId :

VD1217SBS01

Tot Ion:	83	Resp:	375949
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	7.9	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.383 ug/l

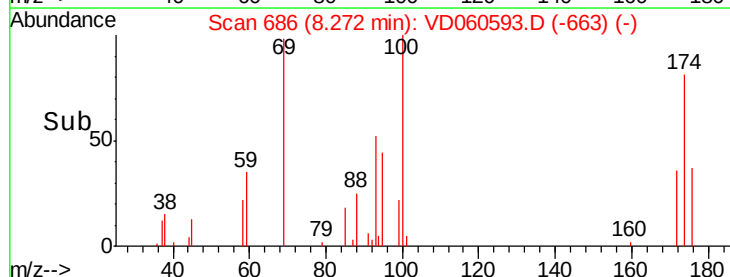
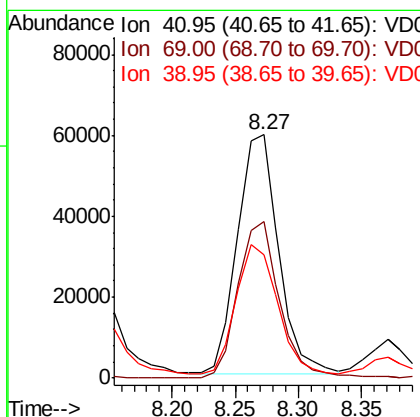
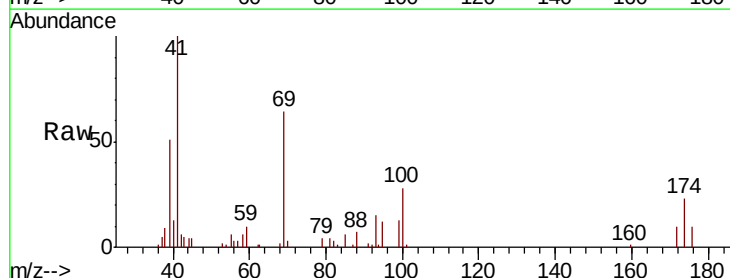
RT: 8.27 min Scan# 686

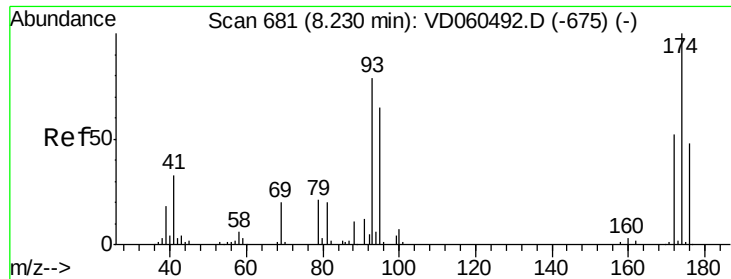
Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion:	41	Resp:	134251
Ion	Ratio	Lower	Upper
41	100		
69	64.1	50.2	75.4
39	50.9	46.1	69.1





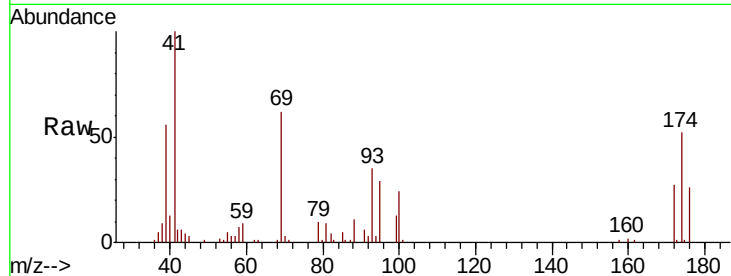
#49
1,4-Dioxane
Concen: 391.813 ug/l
RT: 8.26 min Scan# 685
Delta R.T. 0.03 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

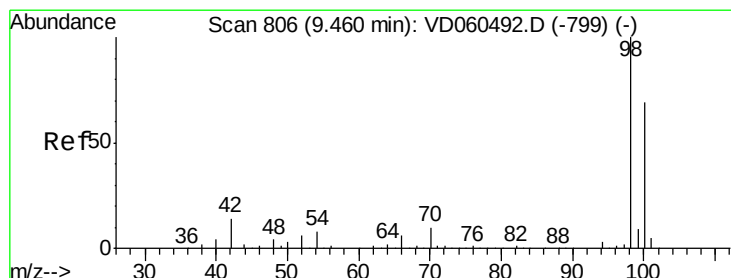
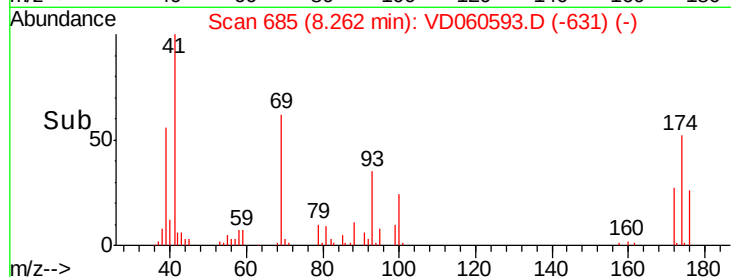
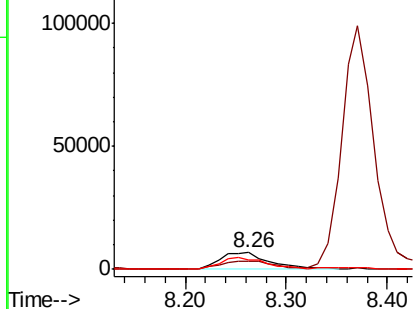
Tot Ion	88	Resp	23389
Ion Ratio	Lower	Upper	
88	100		
43	51.6	32.9	49.3#
58	59.6	47.7	71.5

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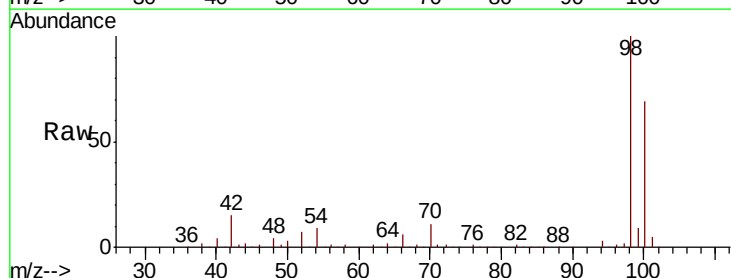


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

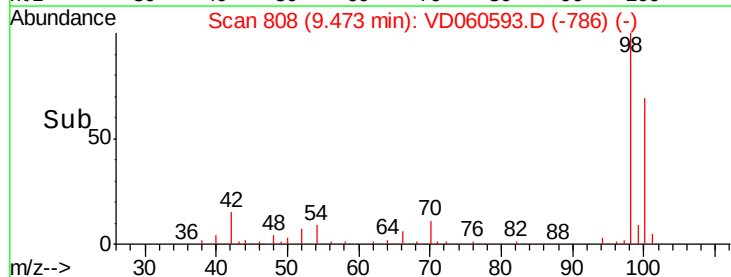
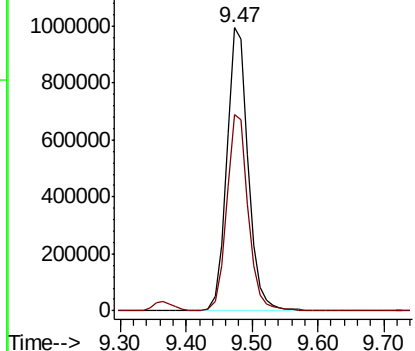


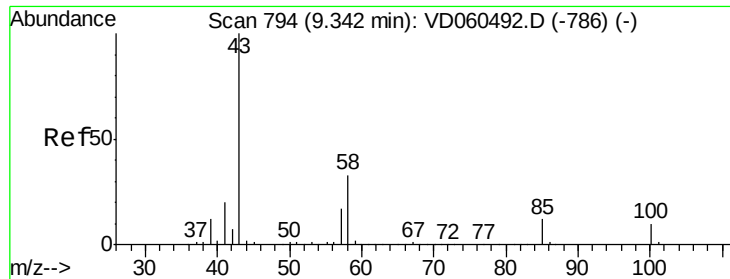
#50
Toluene-d8
Concen: 391.813 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	98	Resp	2257608
Ion Ratio	Lower	Upper	
98	100		
100	69.5	55.7	83.5



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: 100.969 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 43 Resp: 699128

Ion Ratio Lower Upper

43 100

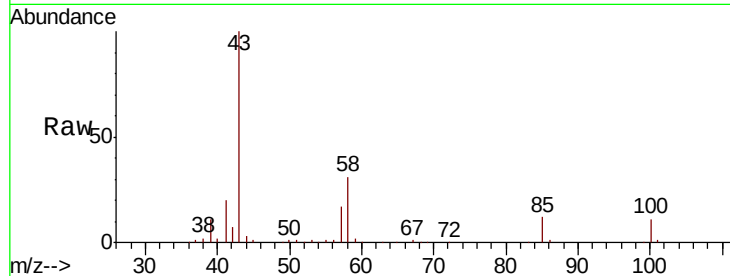
58 31.5 26.3 39.5

Manual Integrations

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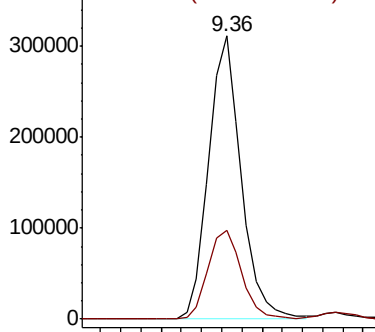
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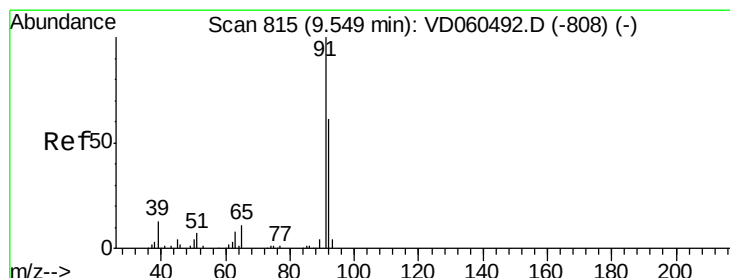
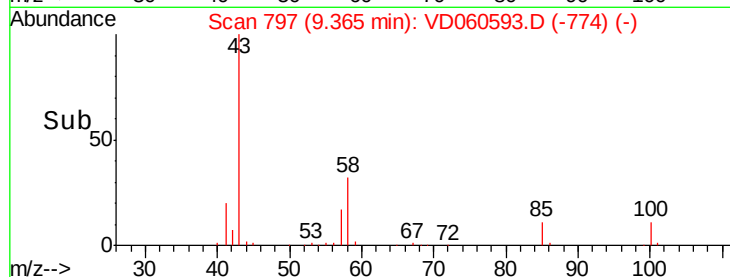


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 21.094 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.02 min

Lab File: VD060593.D

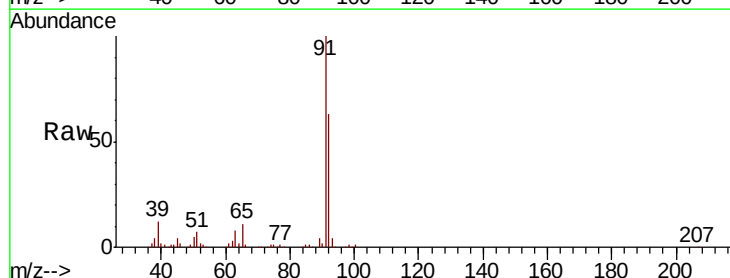
Acq: 17 Dec 2018 12:16

Tgt Ion: 92 Resp: 700592

Ion Ratio Lower Upper

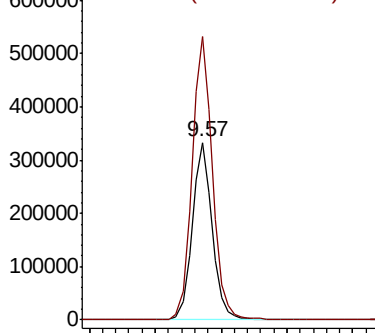
92 100

91 159.5 131.7 197.5

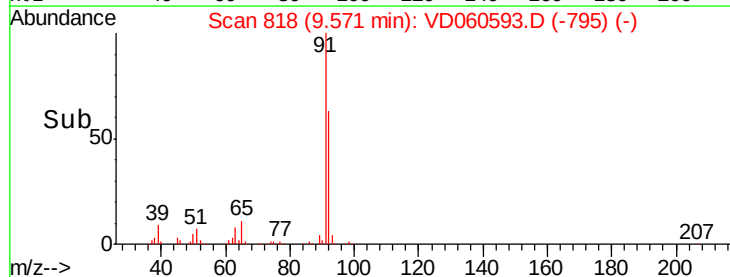


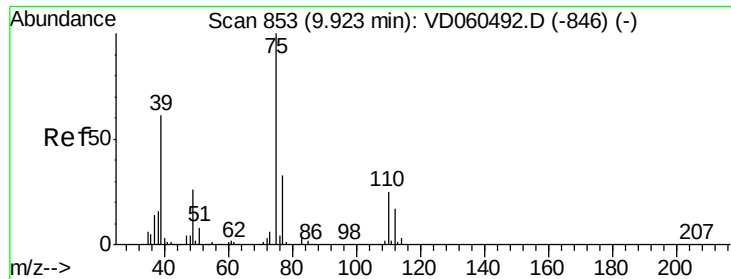
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





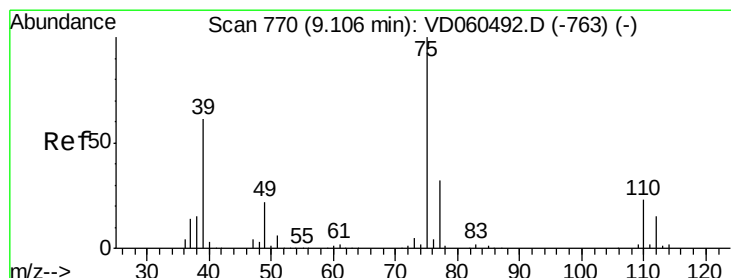
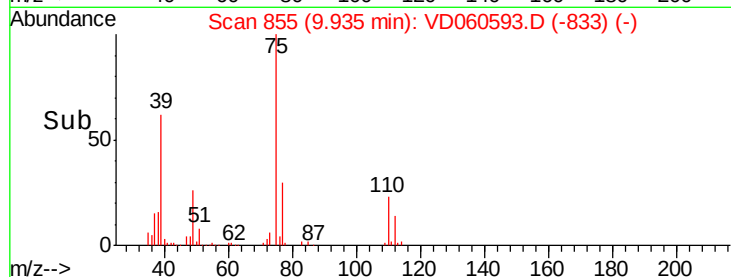
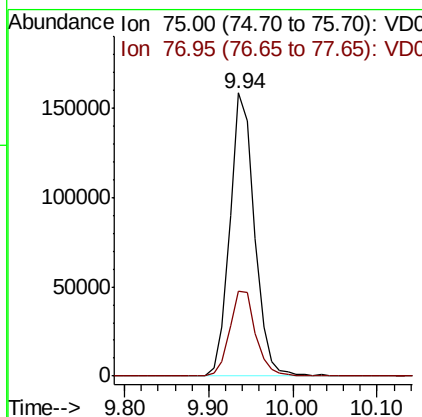
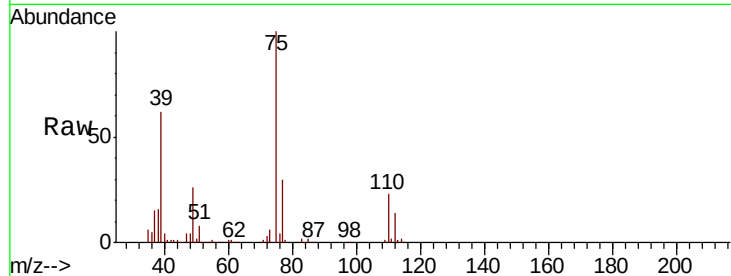
#53
t-1,3-Dichloropropene
Concen: 21.754 ug/l
RT: 9.94 min Scan# 855
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.2	39.2

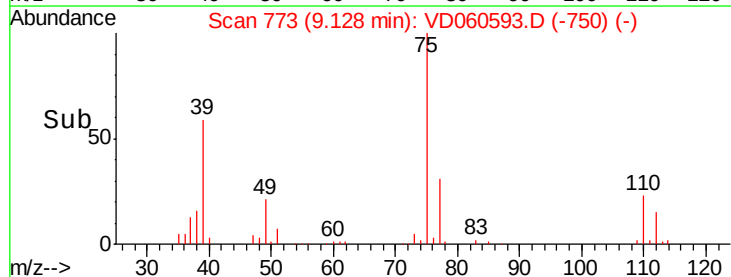
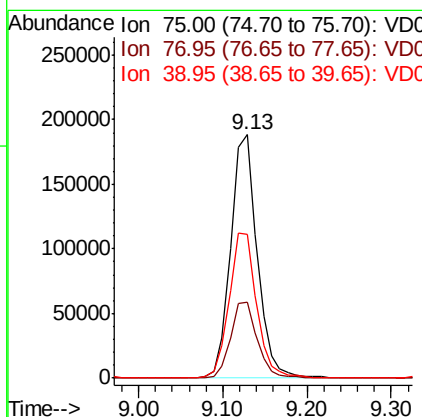
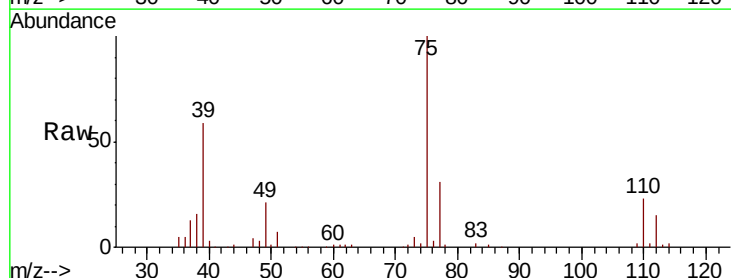
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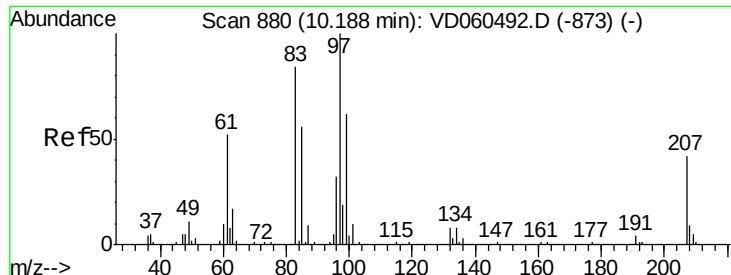
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#54
cis-1,3-Dichloropropene
Concen: 21.205 ug/l
RT: 9.13 min Scan# 773
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	59.1	48.6	73.0





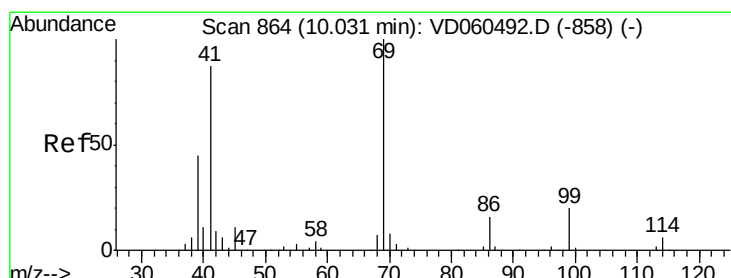
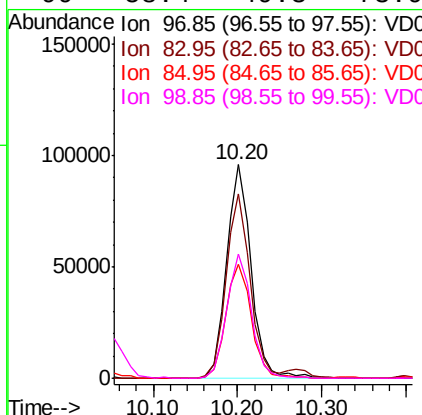
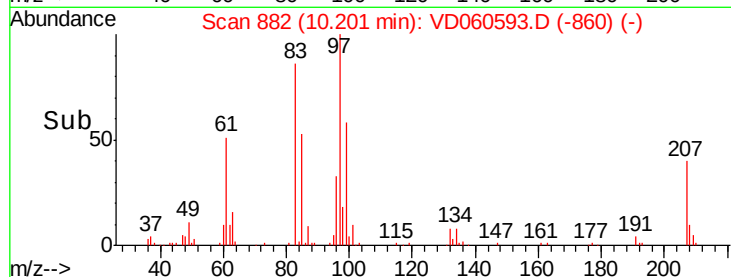
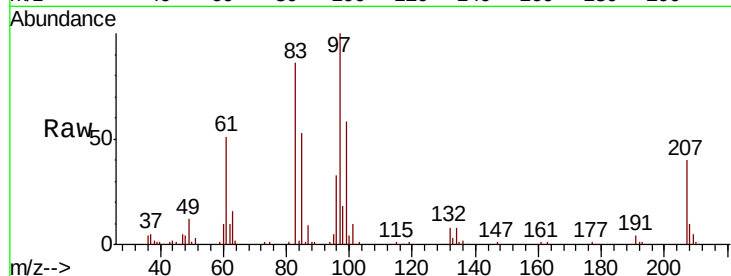
#55
 1,1,2-Trichloroethane
 Concen: 20.844 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1217SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		192792		
83	86.3	67.2	100.8		
85	53.1	44.5	66.7		
99	58.4	49.3	73.9		

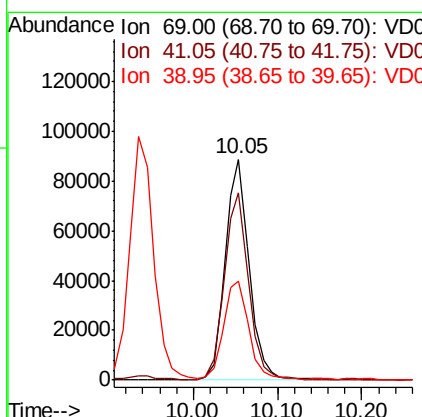
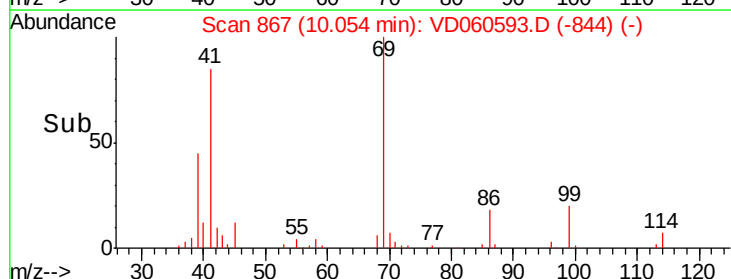
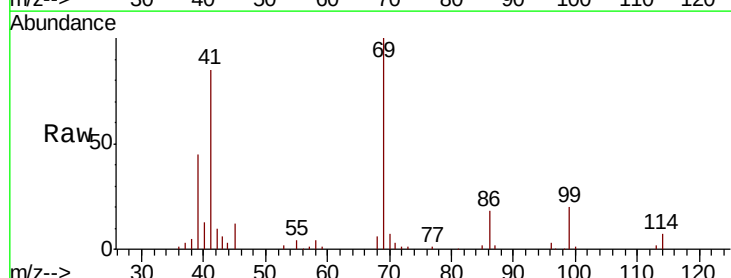
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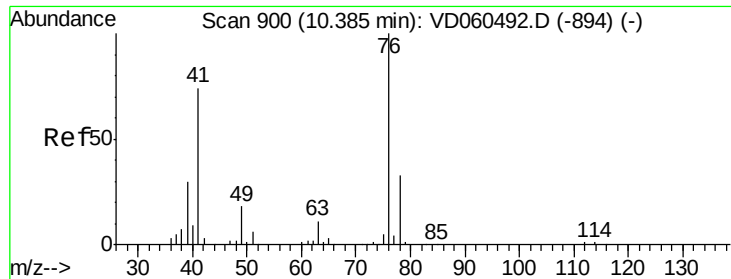
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#56
 Ethyl methacrylate
 Concen: 20.787 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174002		
41	84.7	69.8	104.8		
39	44.8	37.5	56.3		





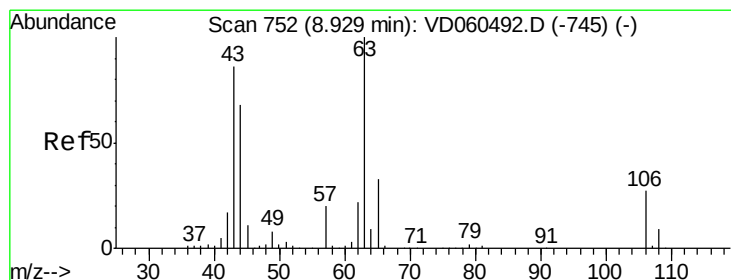
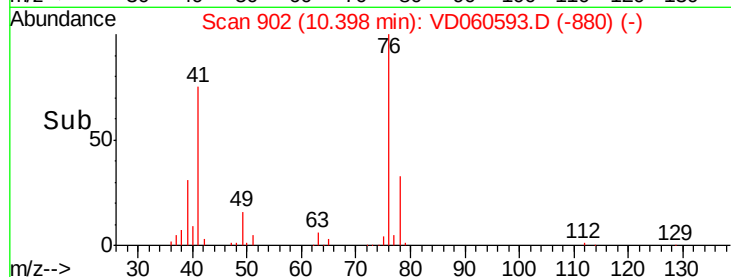
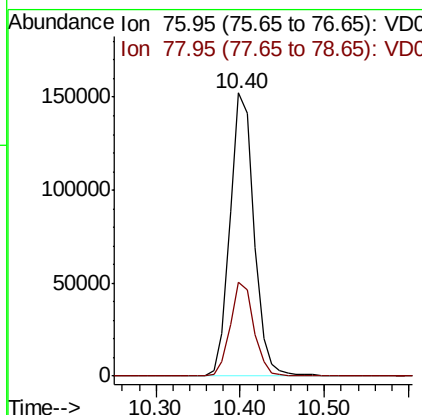
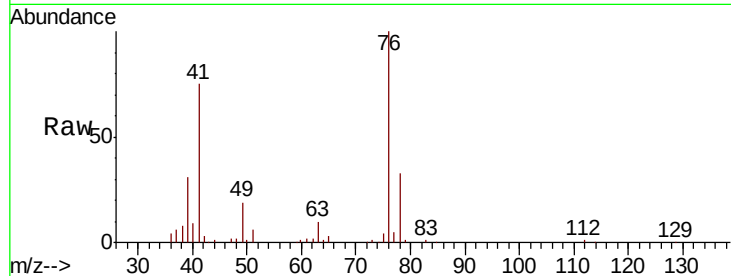
#57
 1,3-Dichloropropane
 Concen: 21.148 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion: 76 Resp: 302383
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

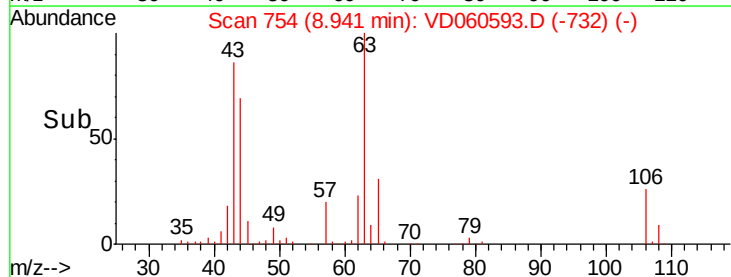
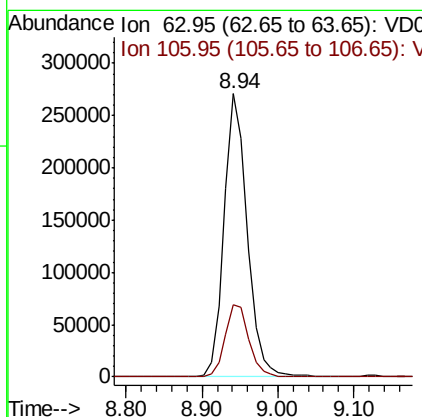
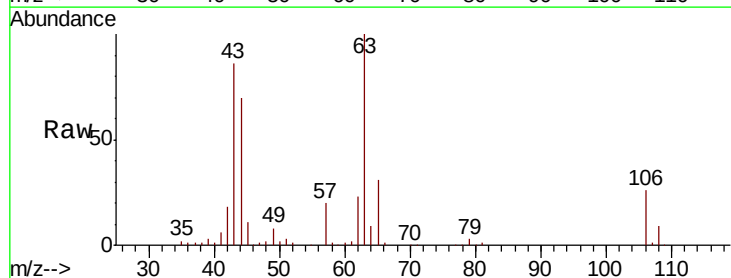
Manual Integrations
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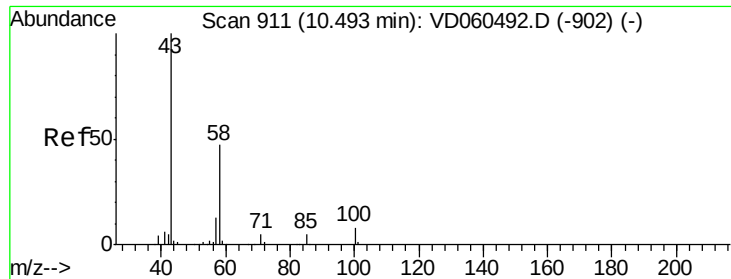
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.212 ug/l
 RT: 8.94 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 63 Resp: 572049
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.6 32.4





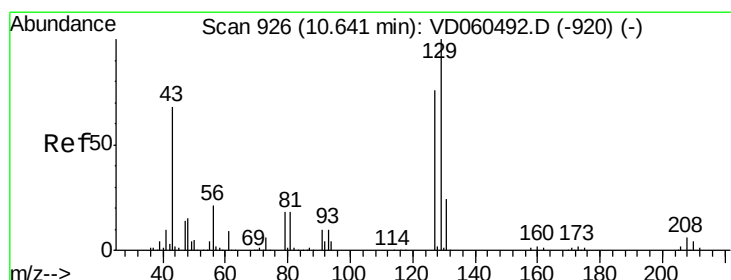
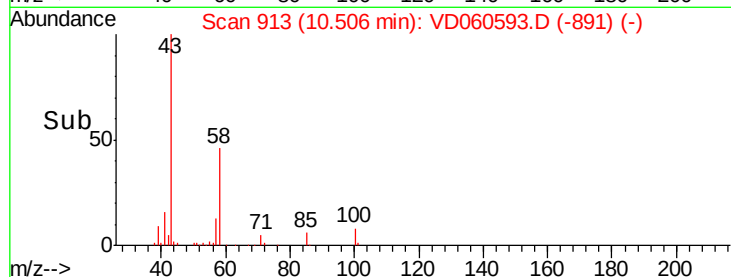
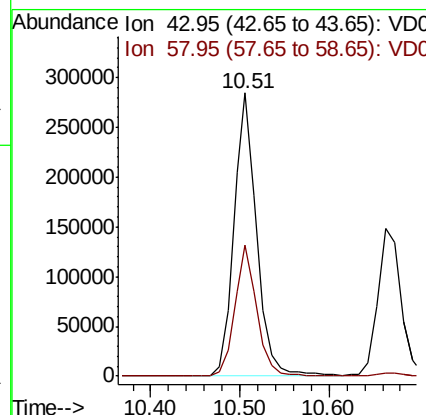
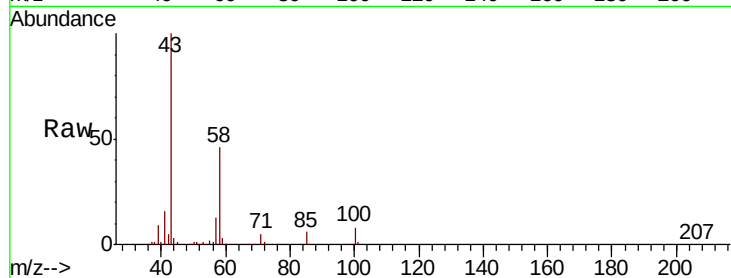
#59
2-Hexanone
Concen: 105.209 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 43 Resp: 509196
Ion Ratio Lower Upper
43 100
58 46.2 23.4 70.2

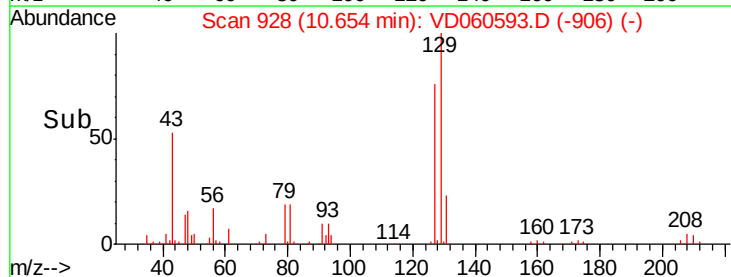
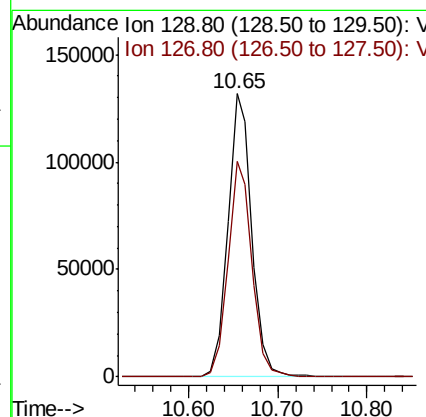
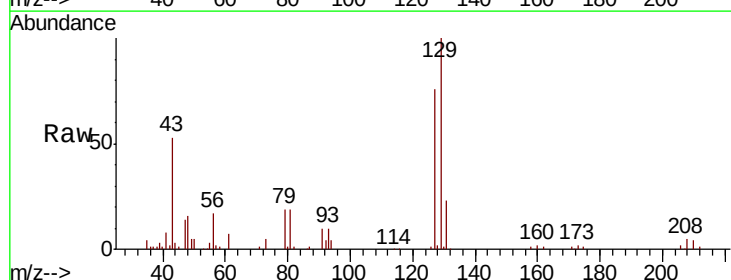
Manual Integrations
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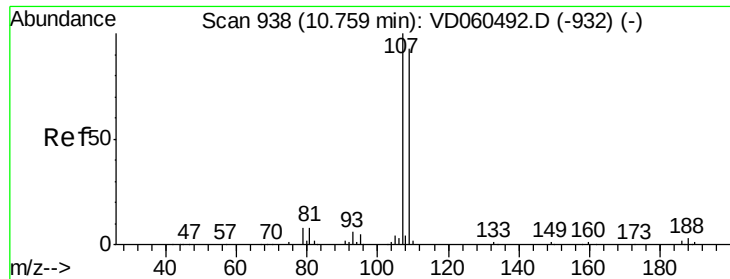
apatel
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#60
Dibromochloromethane
Concen: 21.400 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 129 Resp: 247476
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





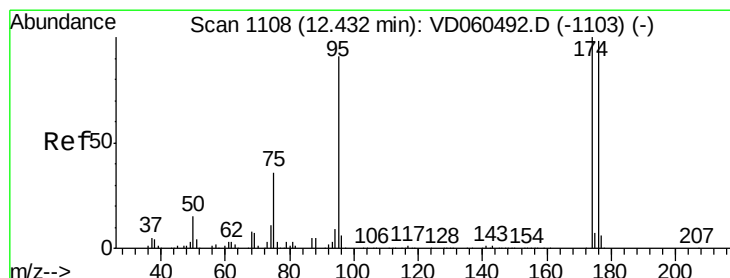
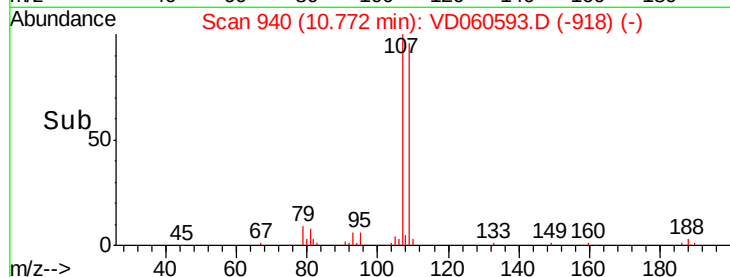
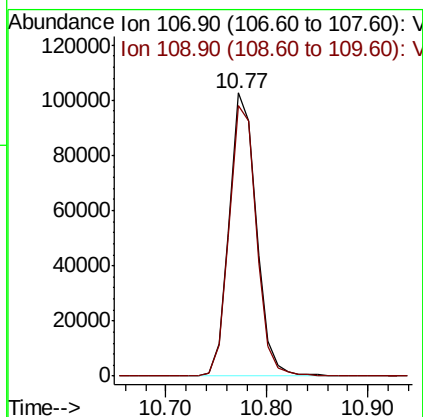
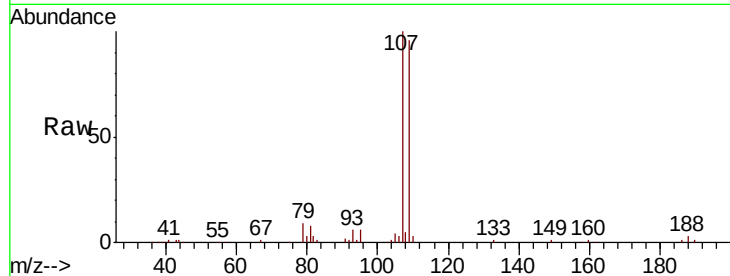
#61
1,2-Dibromoethane
Concen: 20.269 ug/l
RT: 10.77 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	191053		
109	95.7	74.7	112.1	

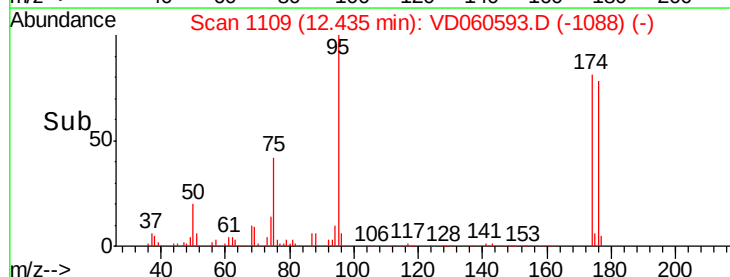
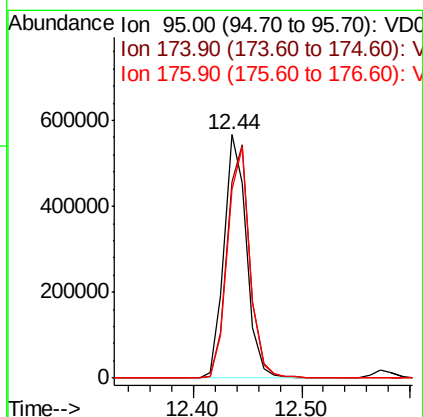
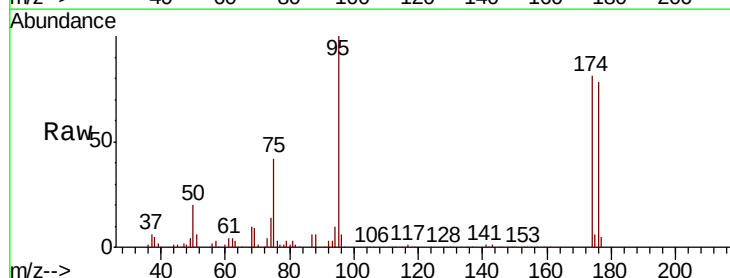
Manual Integrations
APPROVED

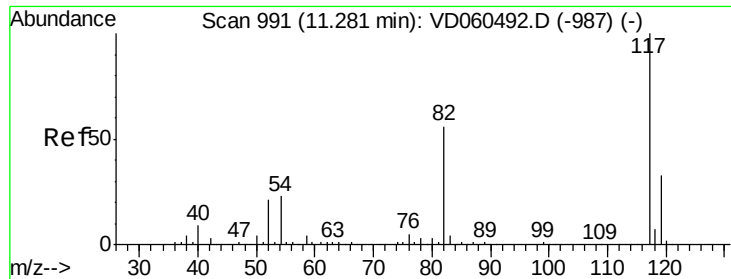
apatel
12/18/2018 3:30:53 PM



#62
4-Bromofluorobenzene
Concen: 20.269 ug/l
RT: 12.44 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	817700		
174	80.8	0.0	219.4	
176	77.7	0.0	214.6	





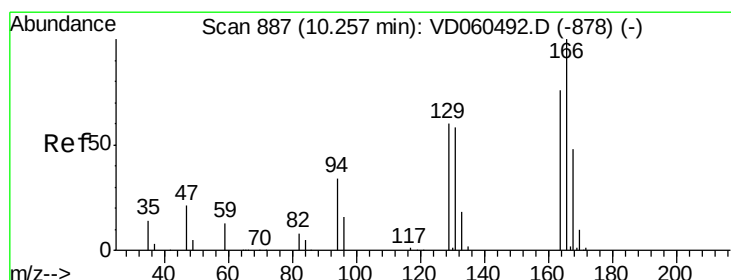
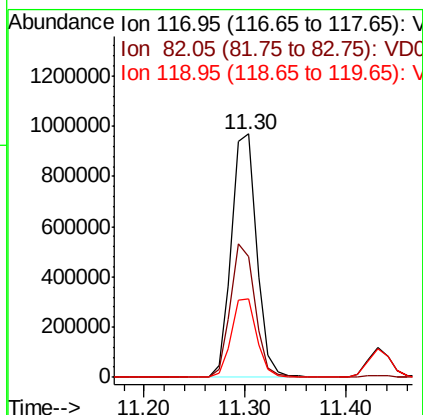
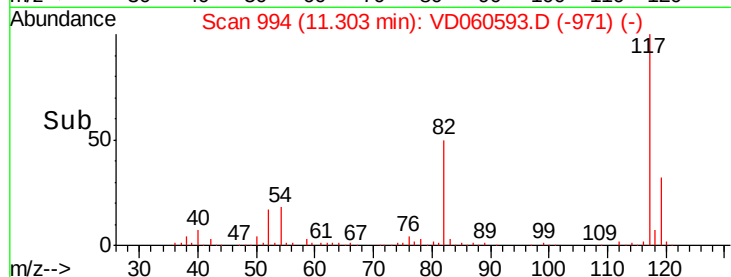
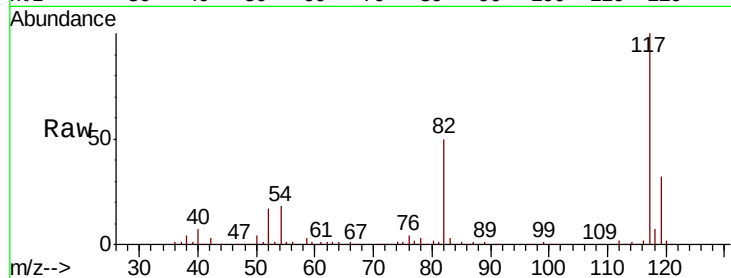
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion:117 Resp: 1686388
Ion Ratio Lower Upper
117 100
82 49.8 45.2 67.8
119 32.3 26.1 39.1

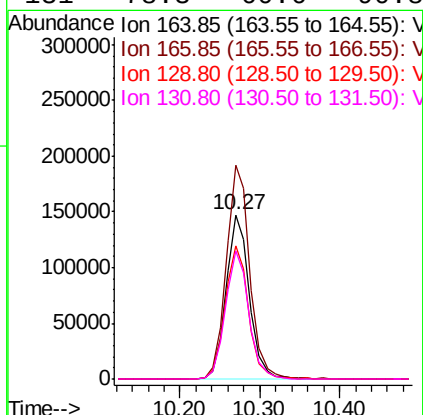
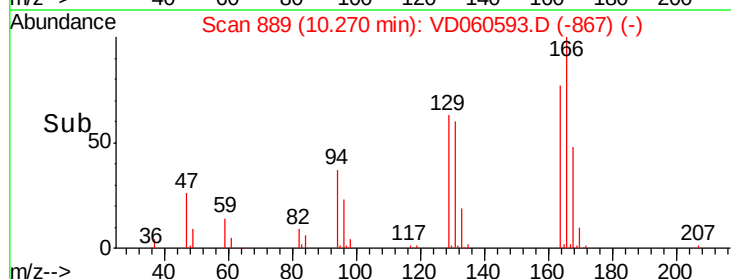
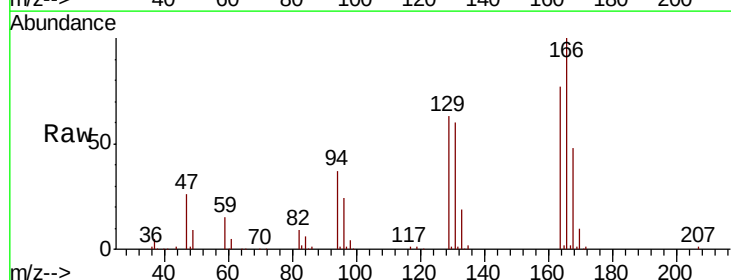
Manual Integrations
APPROVED

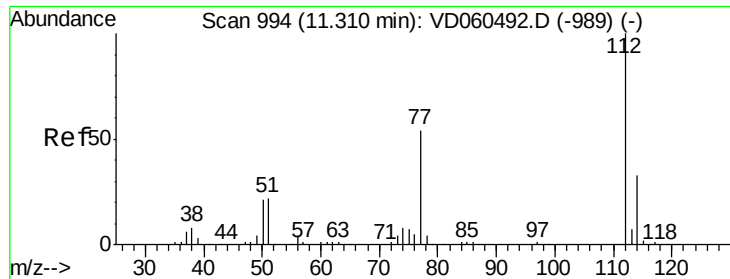
apatel
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#64
Tetrachloroethene
Concen: 20.224 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:164 Resp: 301997
Ion Ratio Lower Upper
164 100
166 130.2 105.0 157.6
129 81.4 63.0 94.4
131 78.3 60.6 90.8





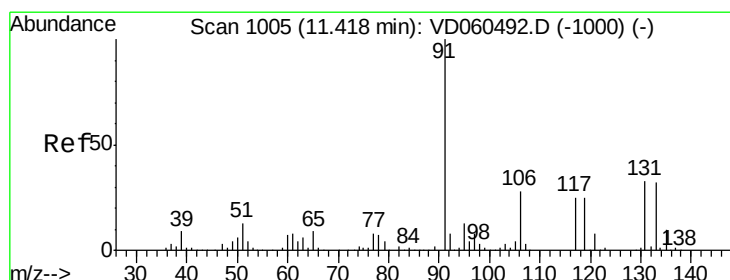
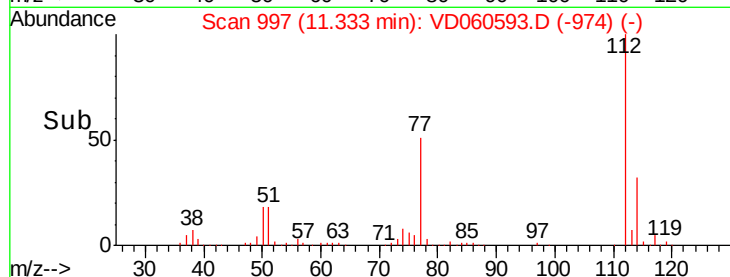
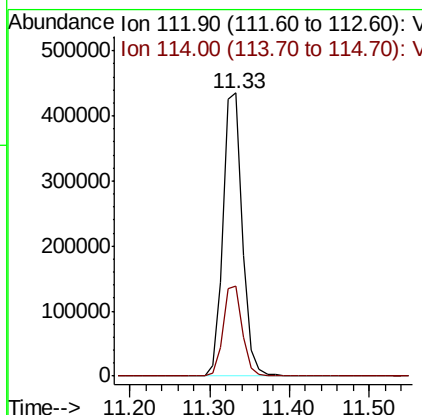
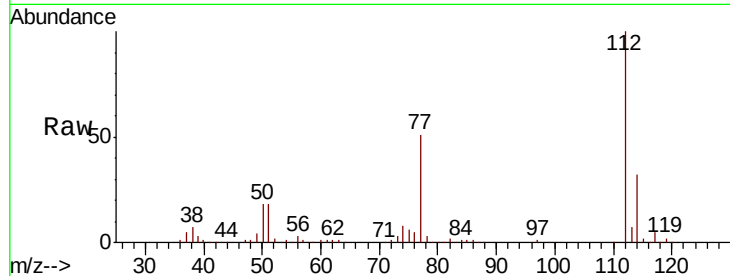
#65
Chlorobenzene
Concen: 21.067 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion:112 Resp: 751610
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

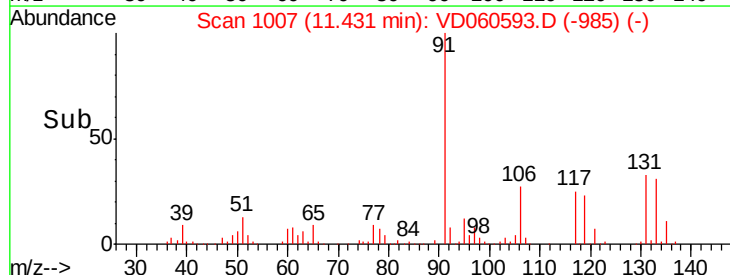
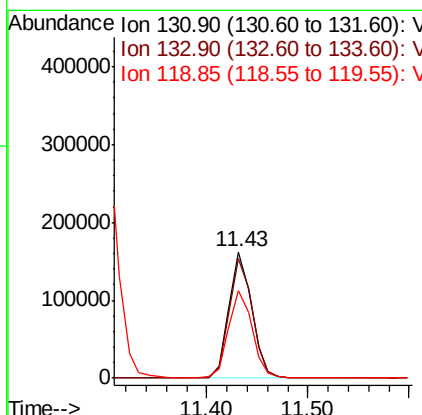
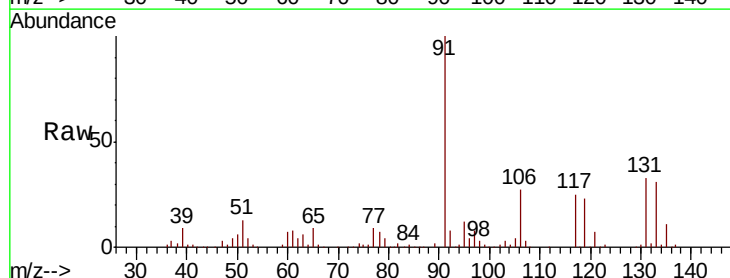
Manual Integrations
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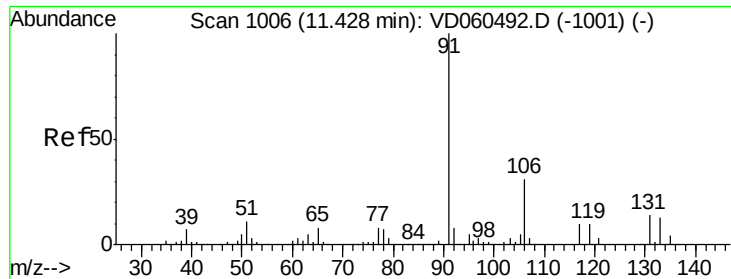
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.169 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:131 Resp: 254919
Ion Ratio Lower Upper
131 100
133 94.9 49.1 147.3
119 69.5 37.5 112.3





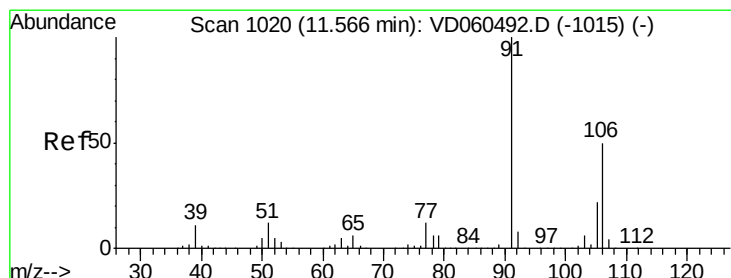
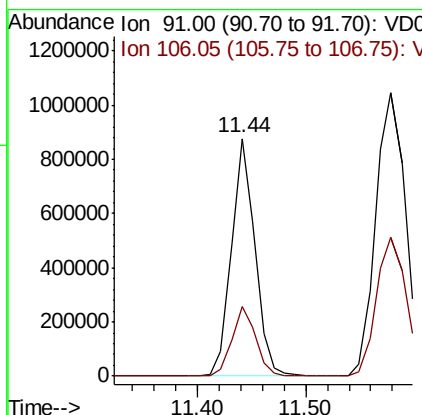
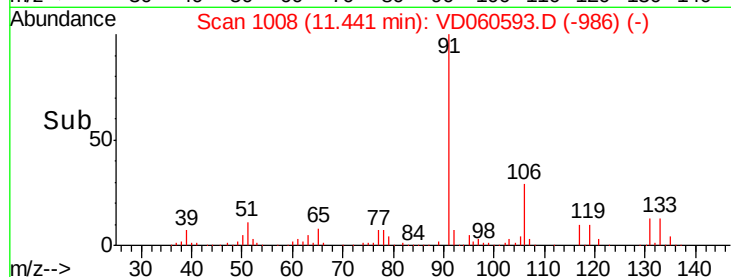
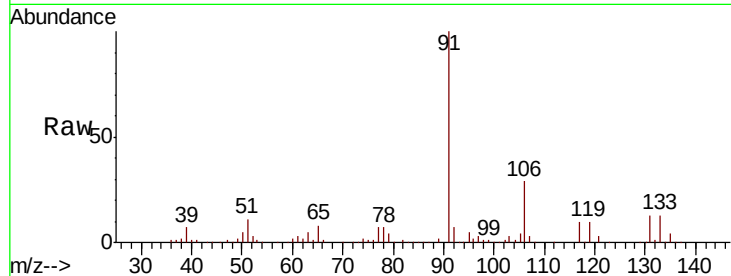
#67
Ethyl Benzene
Concen: 21.808 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 91 Resp: 1327069
Ion Ratio Lower Upper
91 100
106 29.2 24.6 37.0

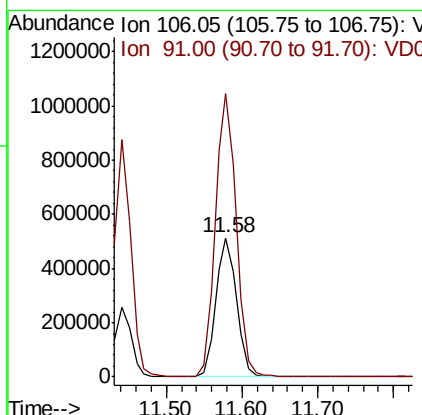
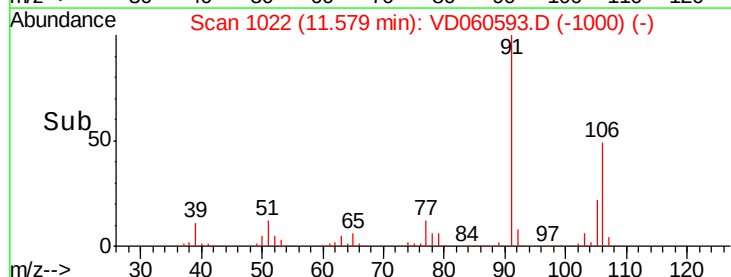
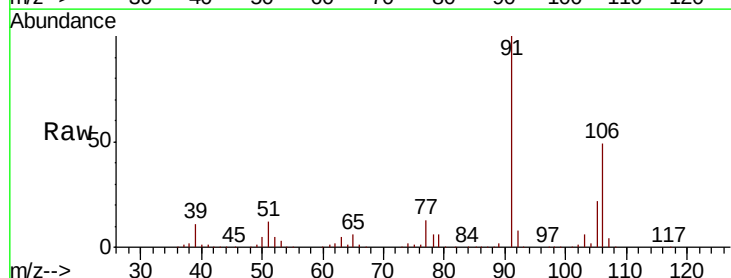
Manual Integrations
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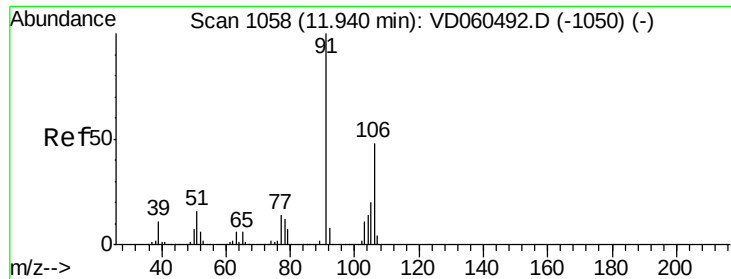
apatel
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#68
m/p-Xylenes
Concen: 43.515 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 106 Resp: 979654
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7





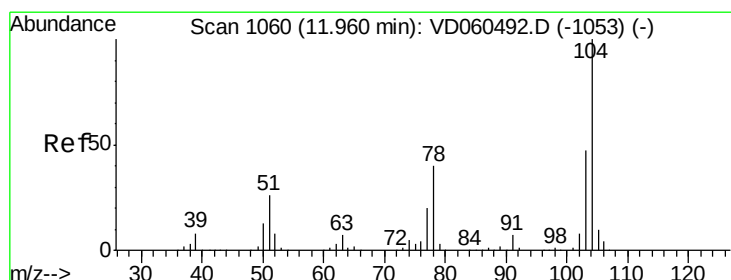
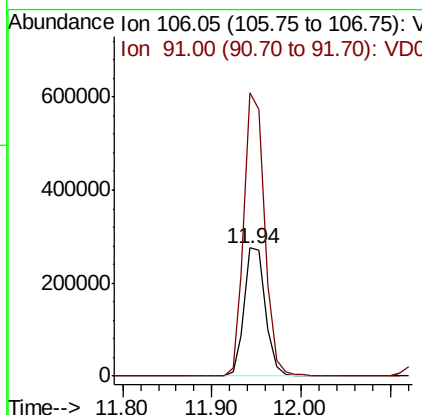
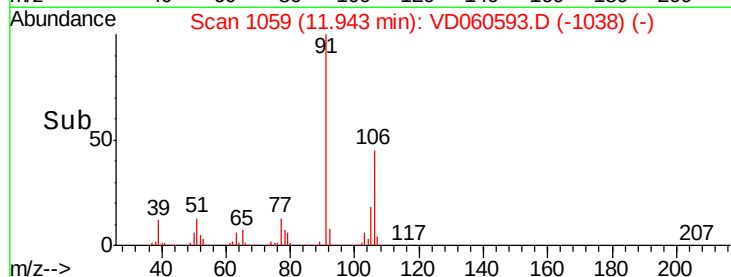
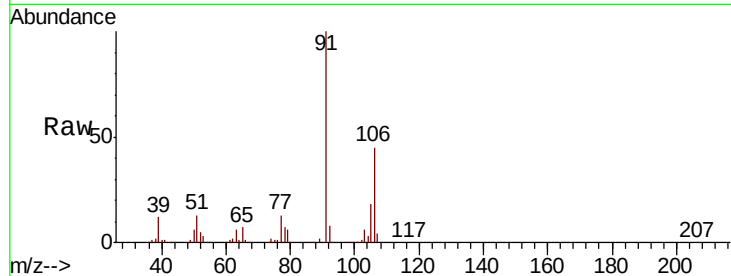
#69
o-Xylene
Concen: 21.256 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion:106 Resp: 456042
Ion Ratio Lower Upper
106 100
91 221.3 103.4 310.1

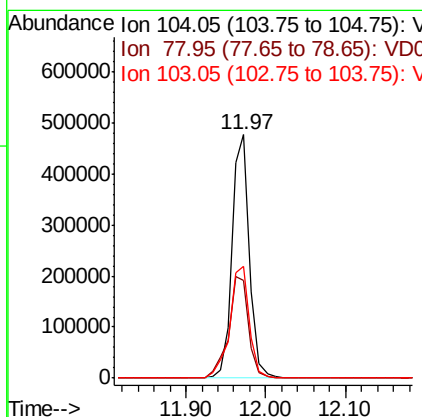
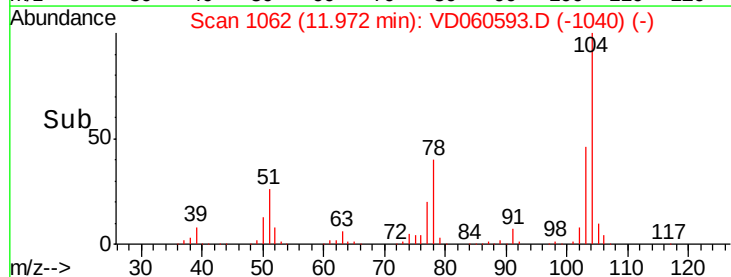
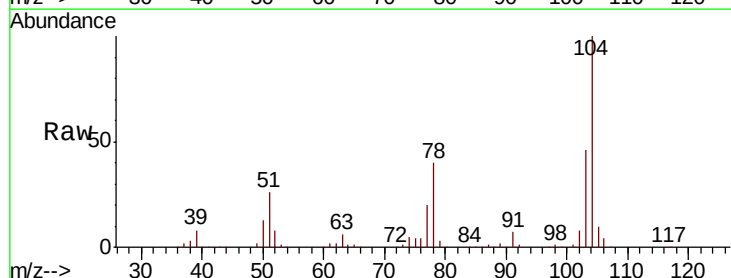
Manual Integrations
APPROVED

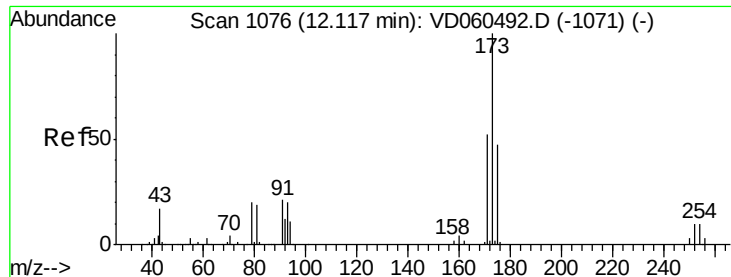
apatel
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#70
Styrene
Concen: 21.212 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:104 Resp: 730494
Ion Ratio Lower Upper
104 100
78 40.0 32.1 48.1
103 45.8 37.2 55.8





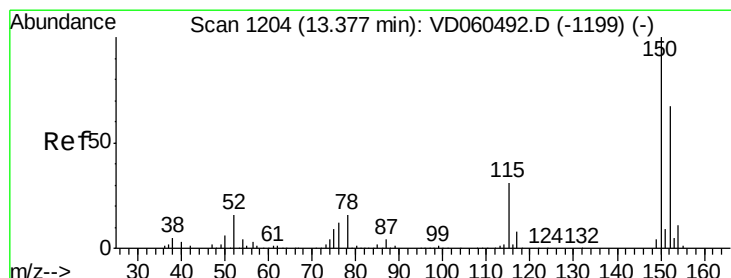
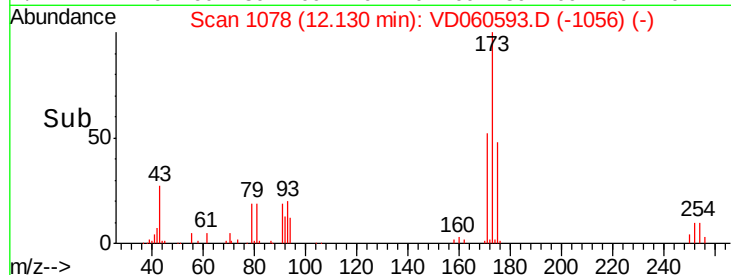
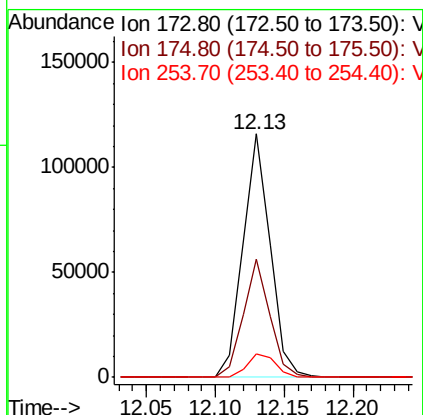
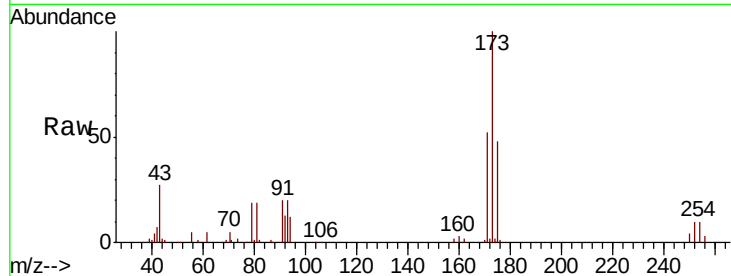
#71
Bromoform
Concen: 20.881 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.6
254	9.7	7.8	11.8

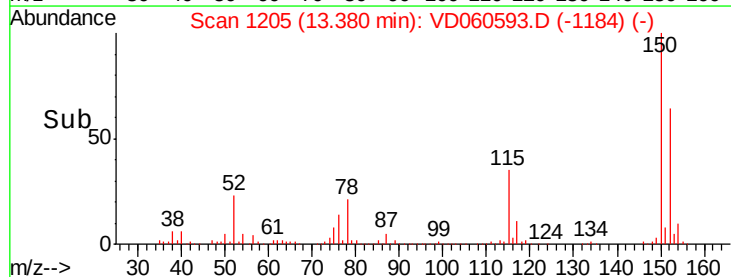
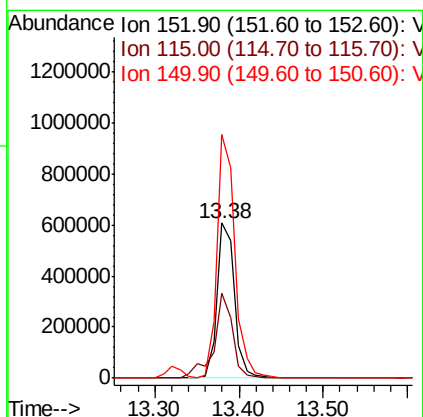
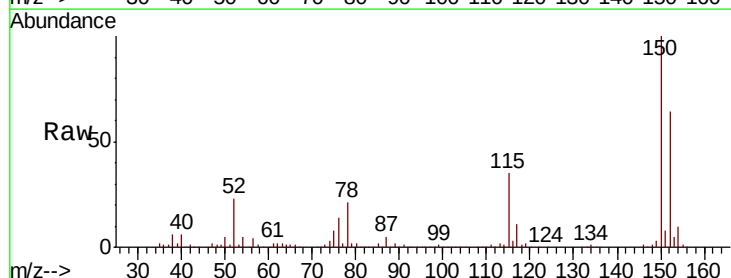
Manual Integrations
APPROVED

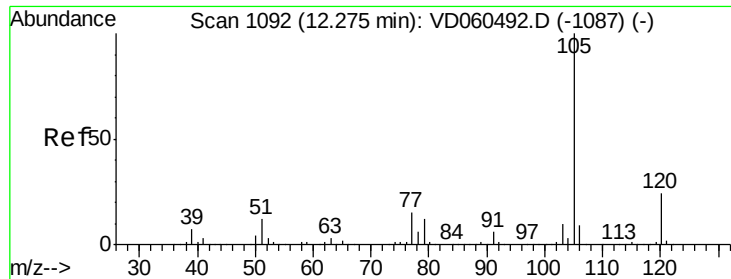
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	24.6	74.0
150	157.2	0.0	309.0





#73

Isopropylbenzene

Concen: 20.190 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:105 Resp: 1248532

Ion Ratio Lower Upper

105 100

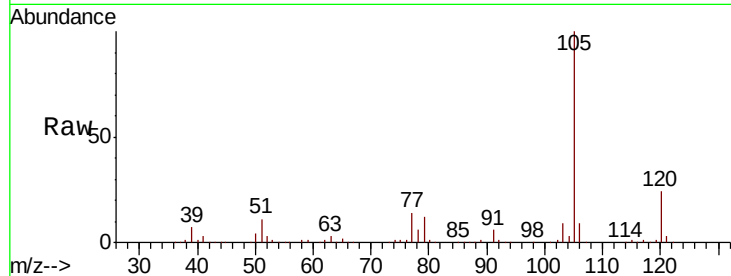
120 24.4 11.9 35.9

Manual Integrations

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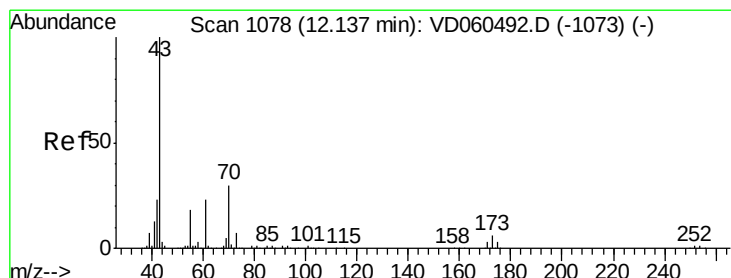
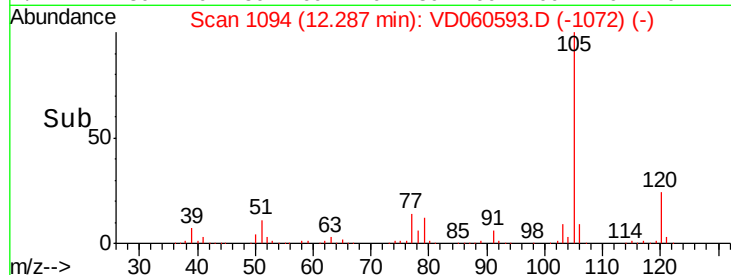
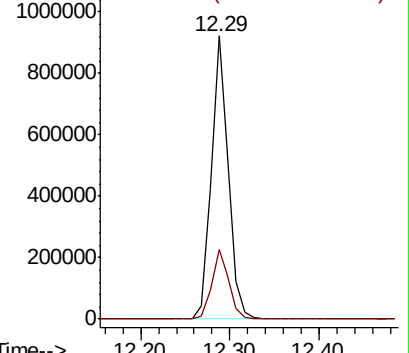
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.013 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion: 43 Resp: 299108

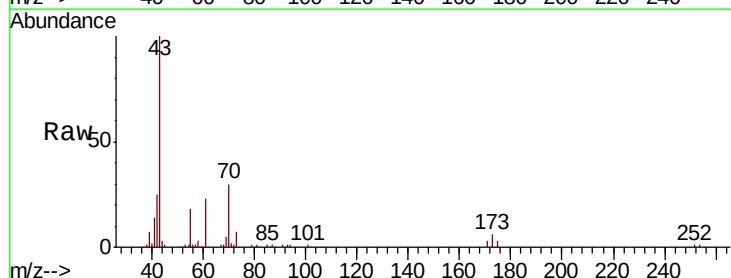
Ion Ratio Lower Upper

43 100

70 30.0 23.8 35.8

55 17.7 14.2 21.2

61 23.1 18.1 27.1

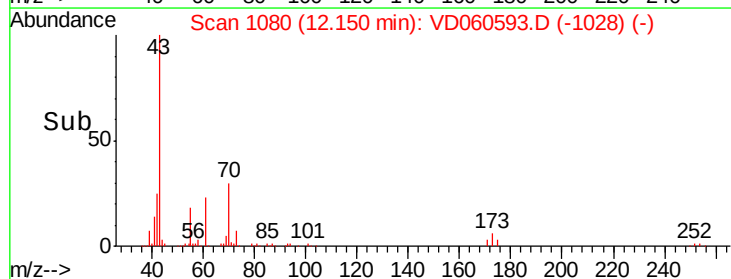
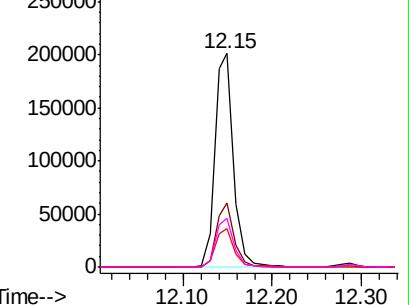


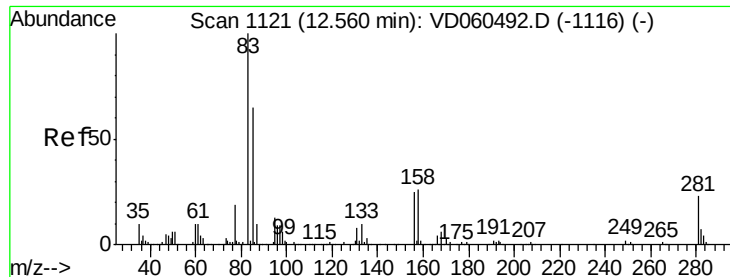
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 83 Resp: 204074

Ion Ratio Lower Upper

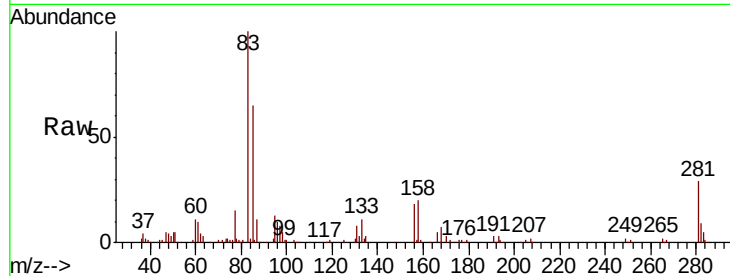
83 100

131 7.9 3.8 11.4

85 65.0 32.3 96.9

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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

200000

150000

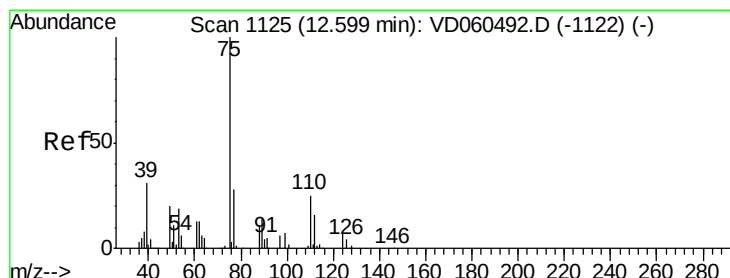
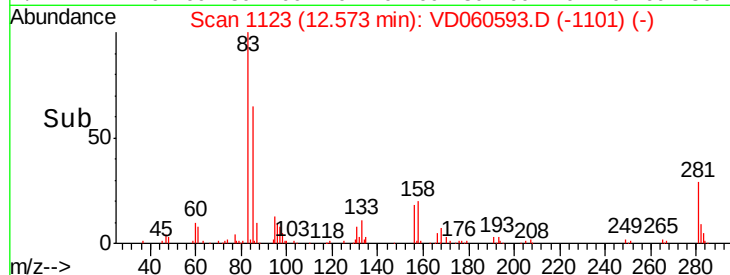
100000

50000

0

12.50 12.60 12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.293 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060593.D

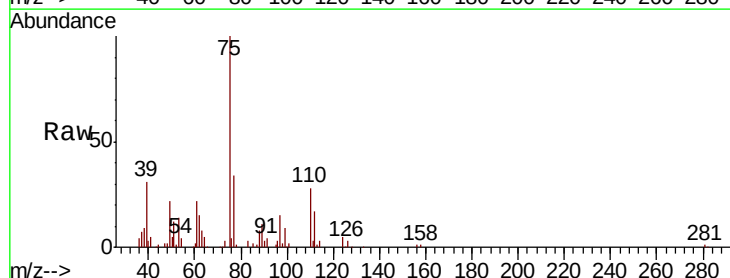
Acq: 17 Dec 2018 12:16

Tgt Ion: 75 Resp: 200935

Ion Ratio Lower Upper

75 100

77 33.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

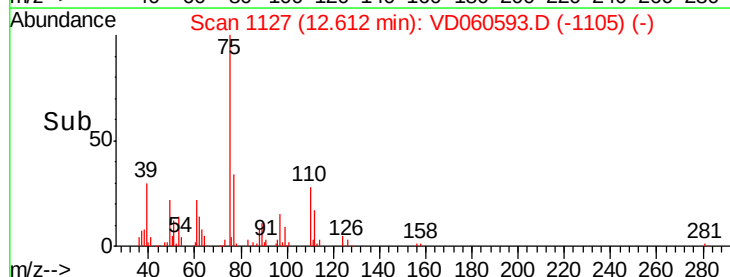
200000

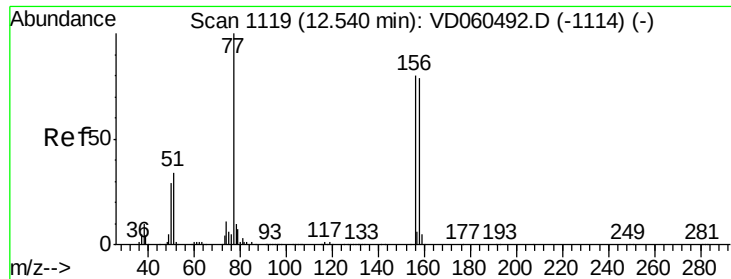
100000

0

12.60 12.70

Time-->





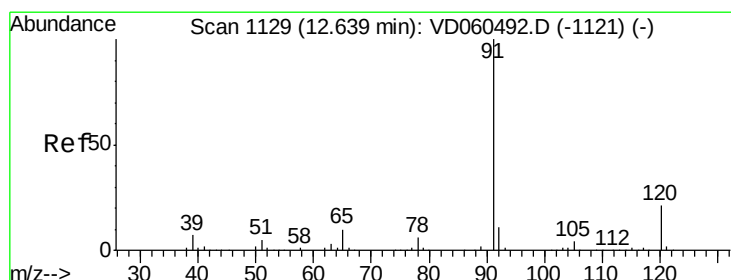
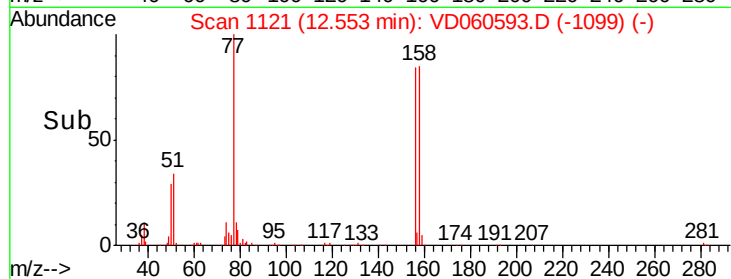
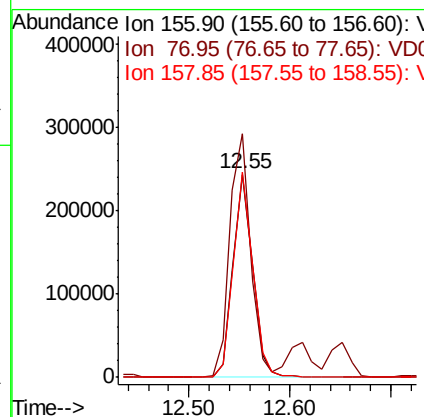
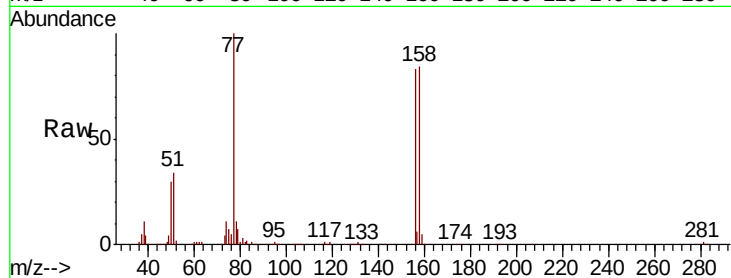
#77
Bromobenzene
Concen: 20.412 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	119.8	62.5	187.6	
158	100.9	49.4	148.2	

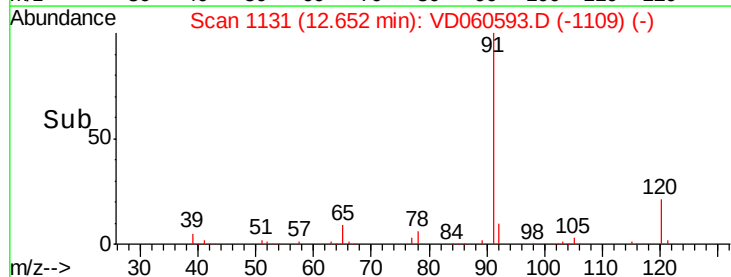
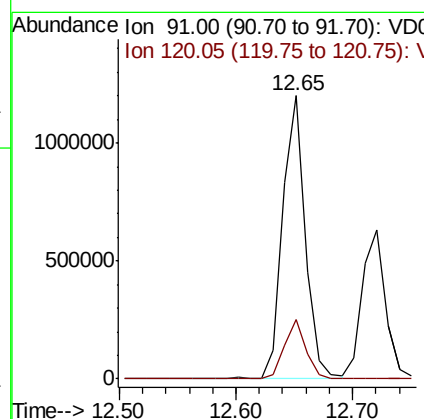
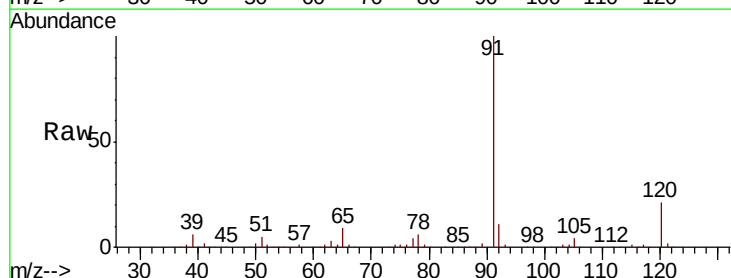
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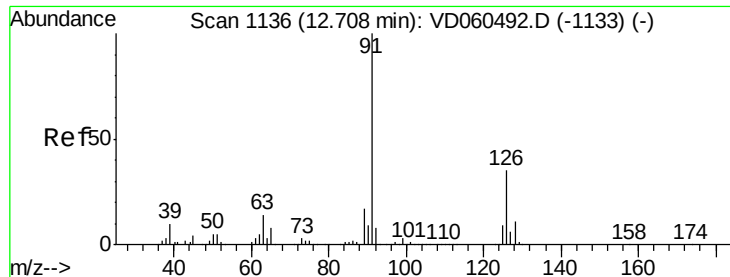
apatel
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#78
n-propylbenzene
Concen: 20.636 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.1	10.4	31.1	





#79

2-Chlorotoluene

Concen: 20.540 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 91 Resp: 871257

Ion Ratio Lower Upper

91 100

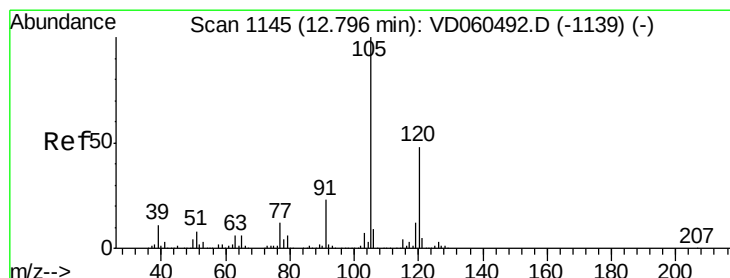
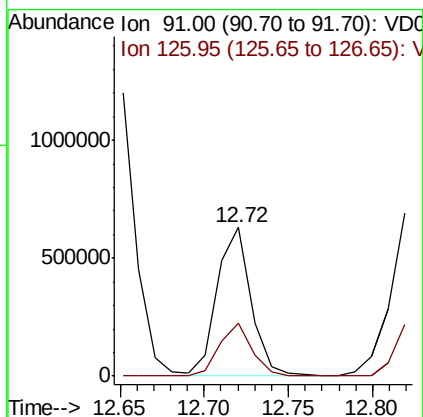
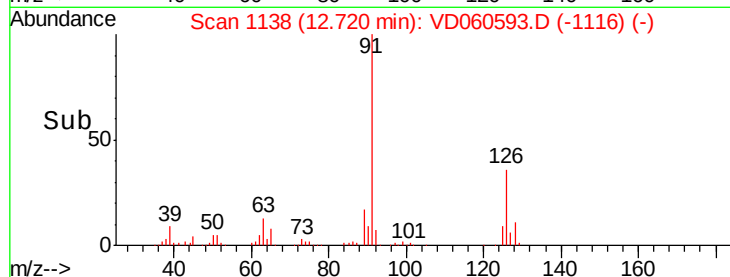
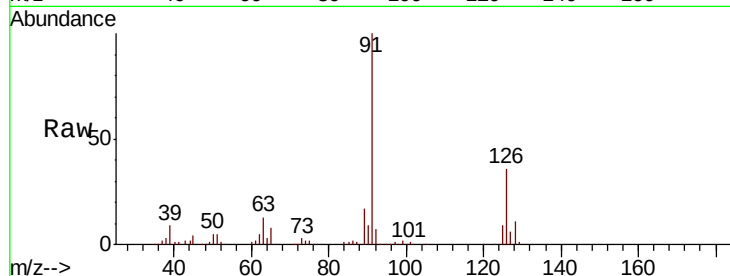
126 36.1 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.308 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060593.D

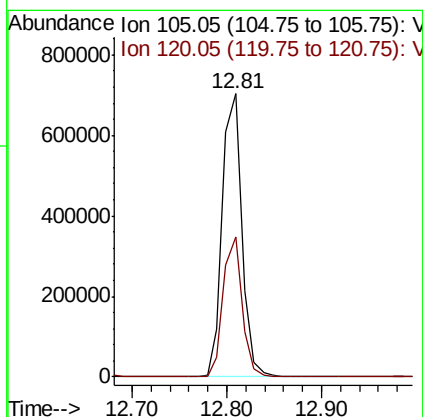
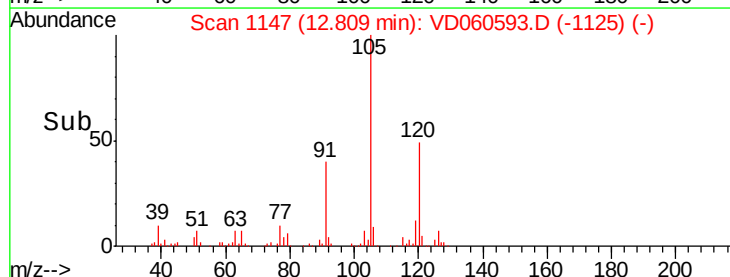
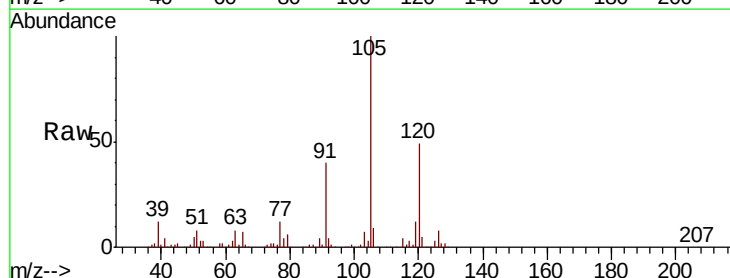
Acq: 17 Dec 2018 12:16

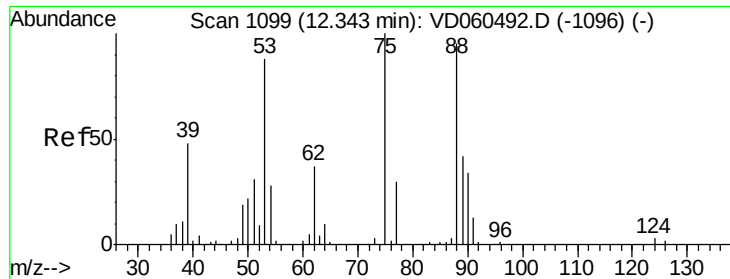
Tgt Ion: 105 Resp: 1006858

Ion Ratio Lower Upper

105 100

120 49.4 24.2 72.6





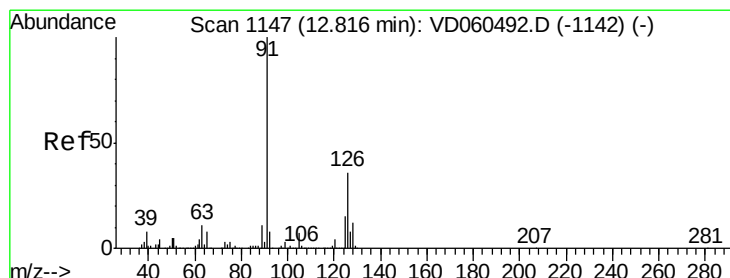
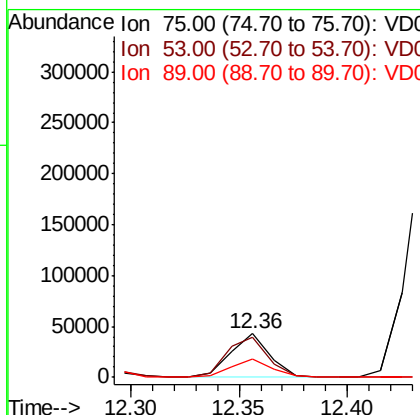
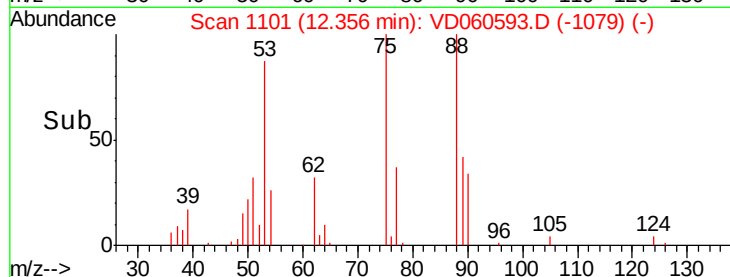
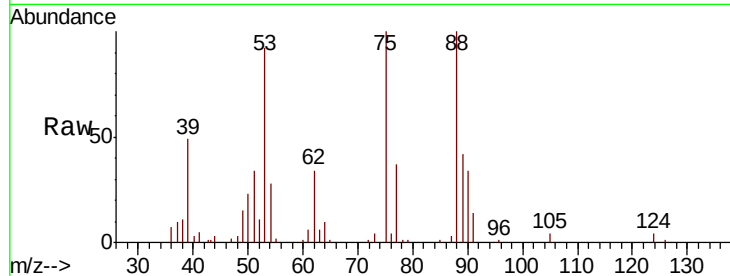
#81
trans-1,4-Dichloro-2-butene
Concen: 19.749 ug/l
RT: 12.36 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	70.5	105.7
89	41.9	33.6	50.4

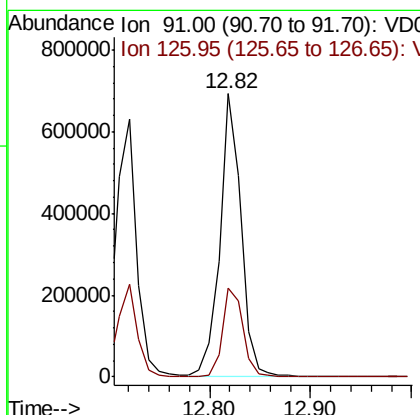
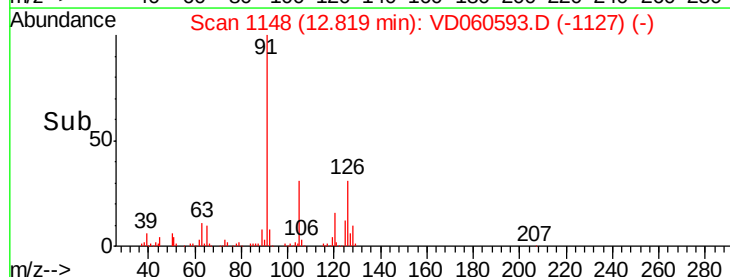
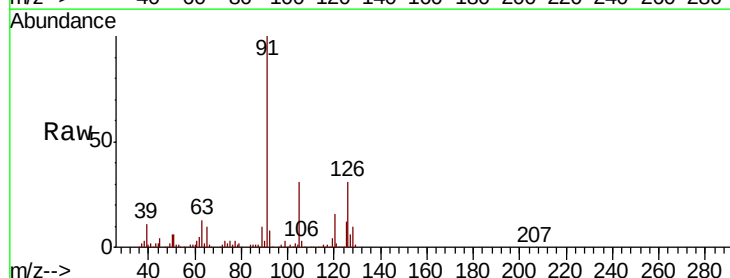
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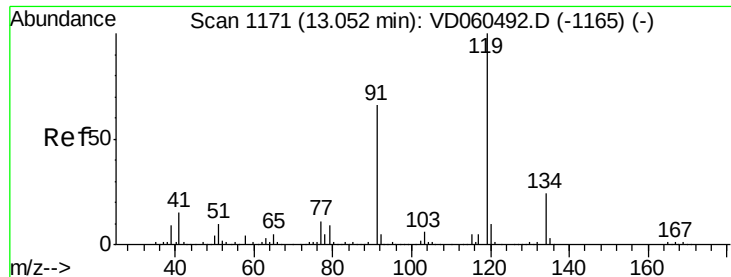
apatel
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#82
4-Chlorotoluene
Concen: 21.211 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	17.8	53.4





#83

tert-Butylbenzene

Concen: 21.143 ug/l

RT: 13.05 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:119 Resp: 1120192

Ion Ratio Lower Upper

119 100

91 72.1 33.1 99.2

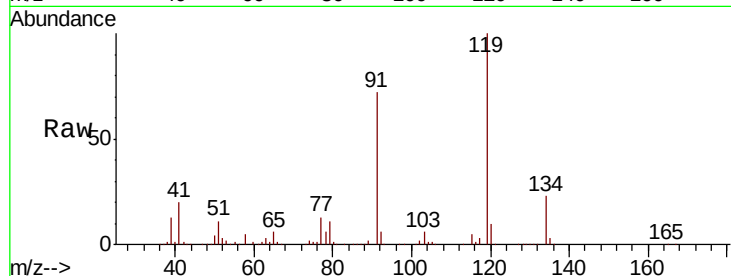
134 23.4 12.0 36.0

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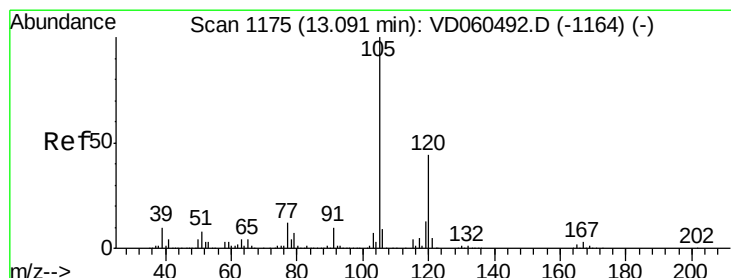
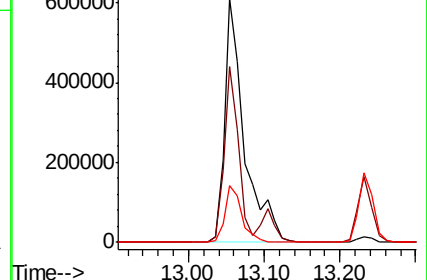
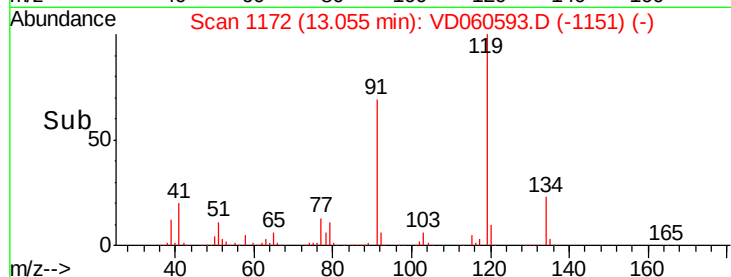
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.176 ug/l

RT: 13.10 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060593.D

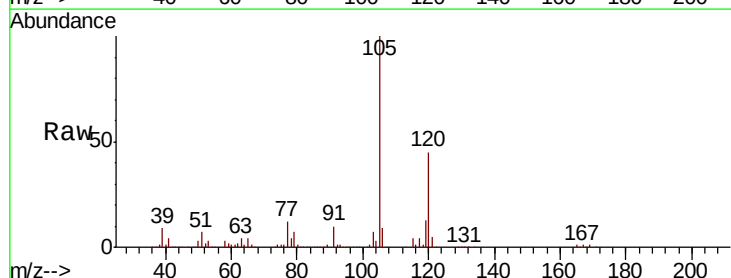
Acq: 17 Dec 2018 12:16

Tgt Ion:105 Resp: 1036102

Ion Ratio Lower Upper

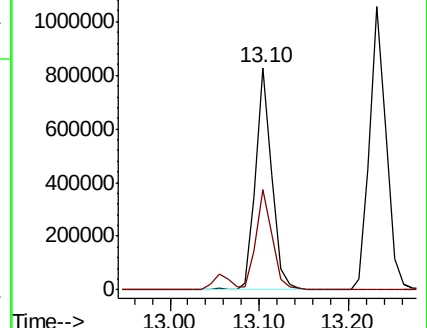
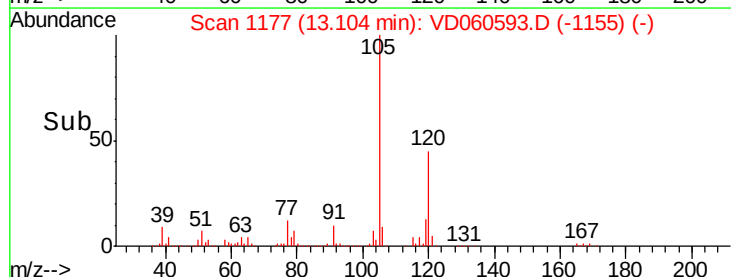
105 100

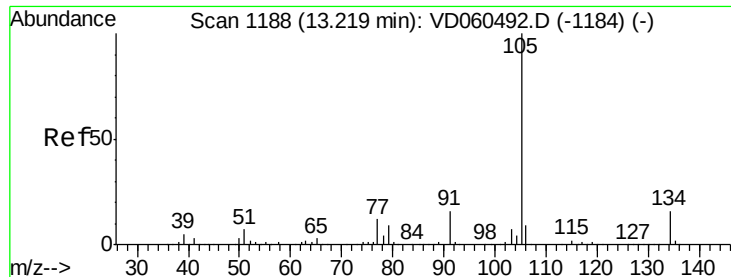
120 45.0 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.514 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:105 Resp: 1354633

Ion Ratio Lower Upper

105 100

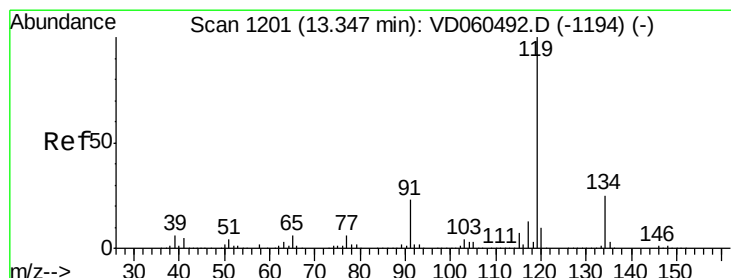
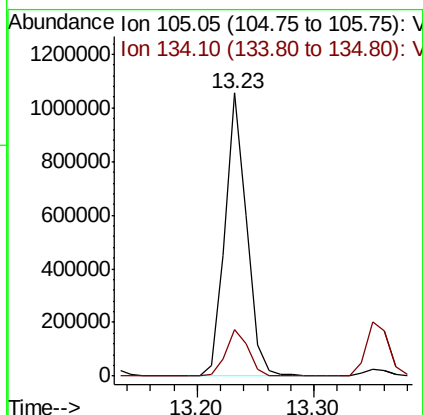
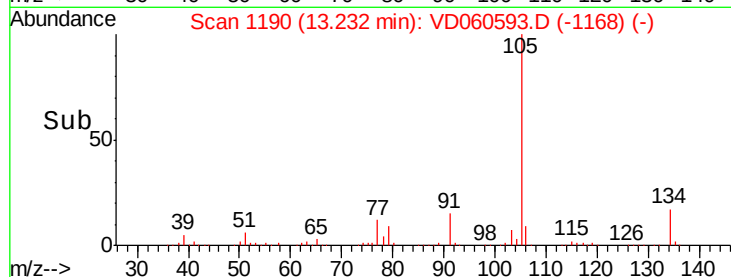
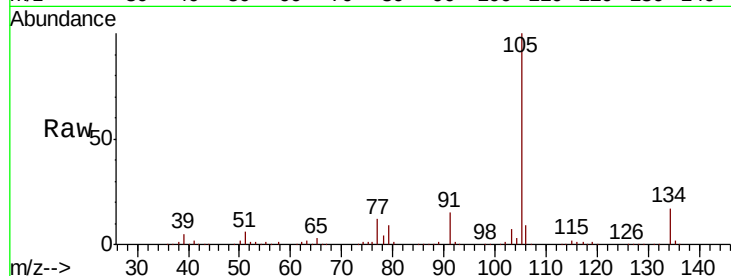
134 16.6 7.9 23.7

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#86

p-Isopropyltoluene

Concen: 20.990 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

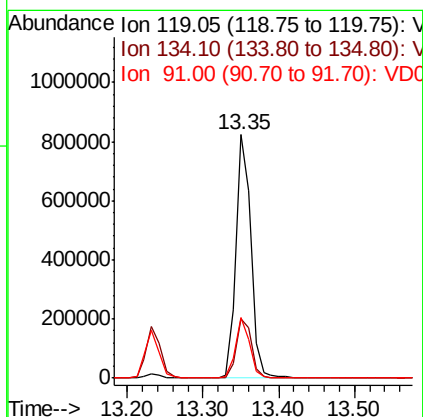
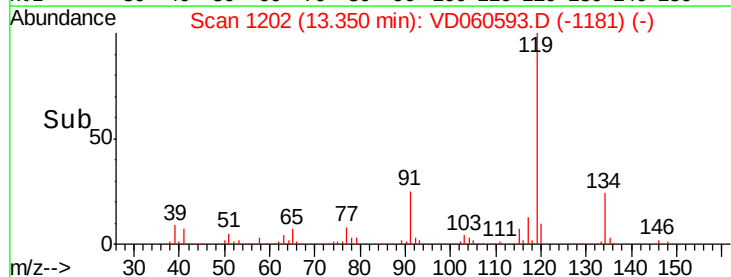
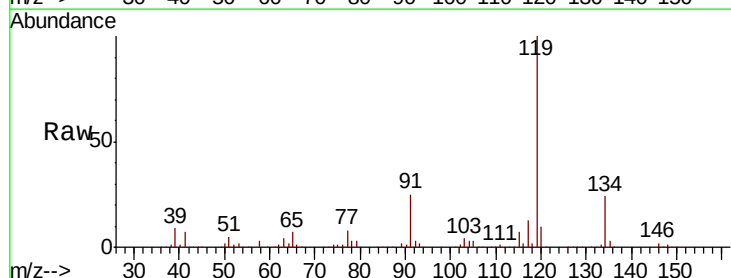
Tgt Ion:119 Resp: 1098780

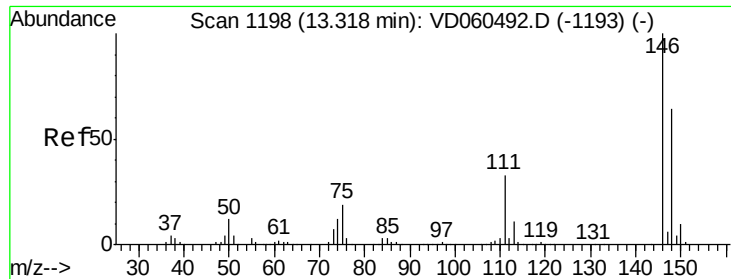
Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

91 25.0 11.5 34.4





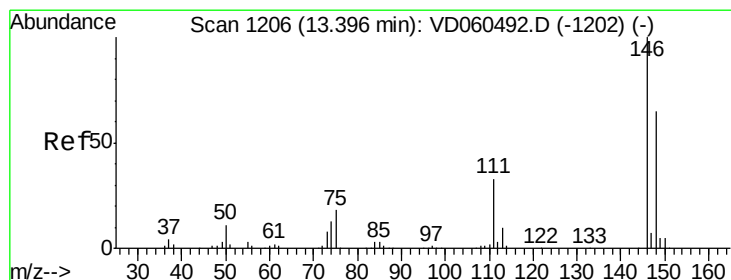
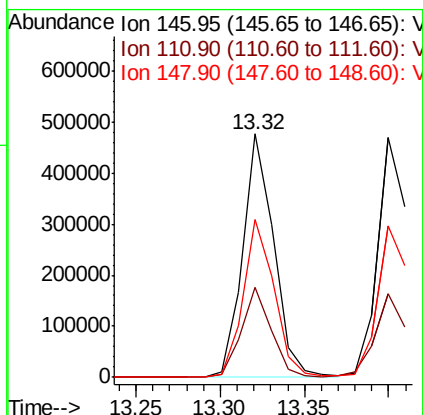
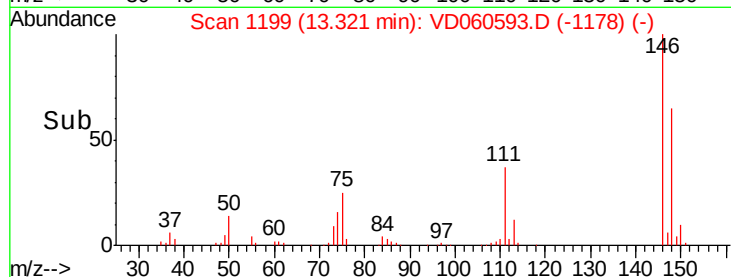
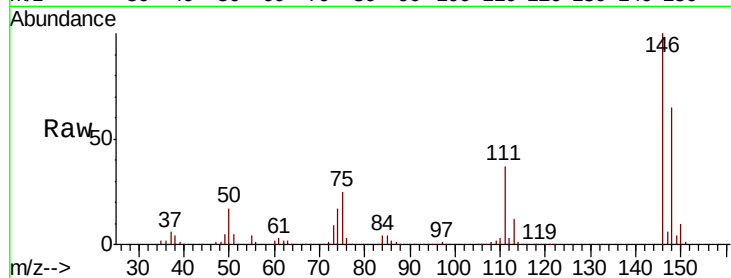
#87
 1,3-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	16.5	49.5
148	64.7	32.3	96.8

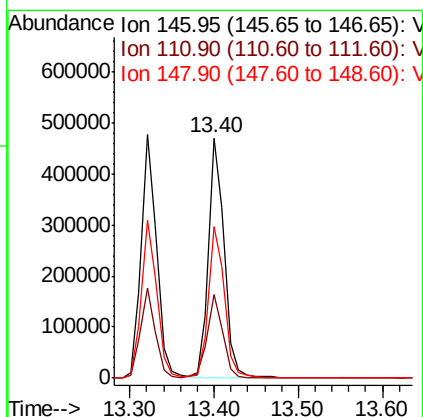
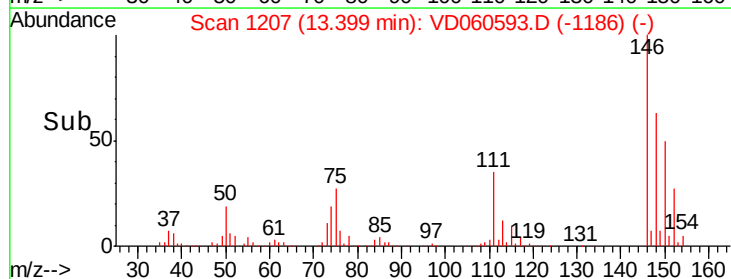
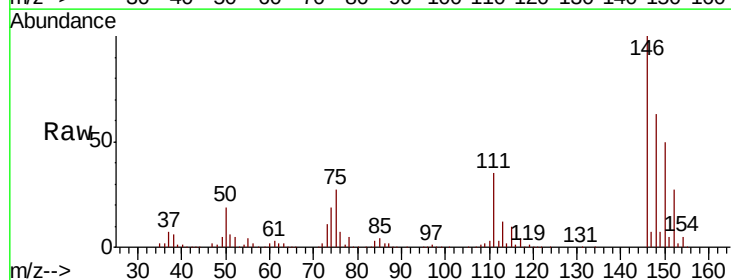
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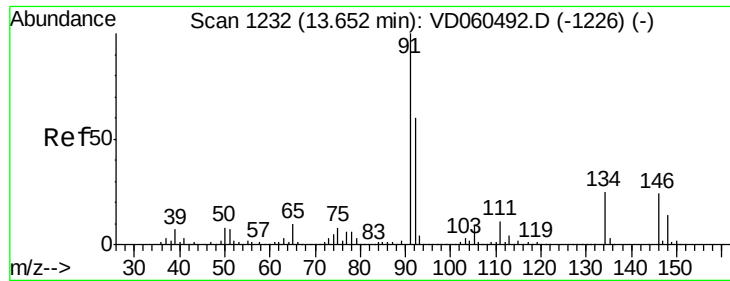
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.125 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	16.4	49.1
148	63.2	32.6	98.0





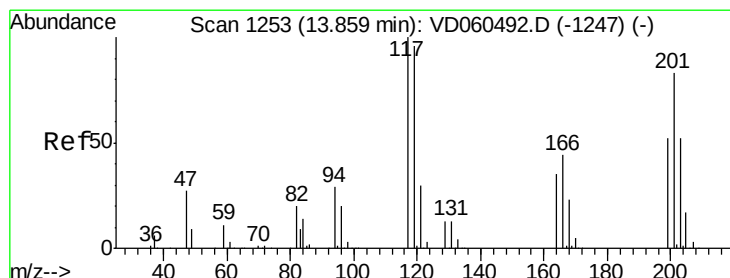
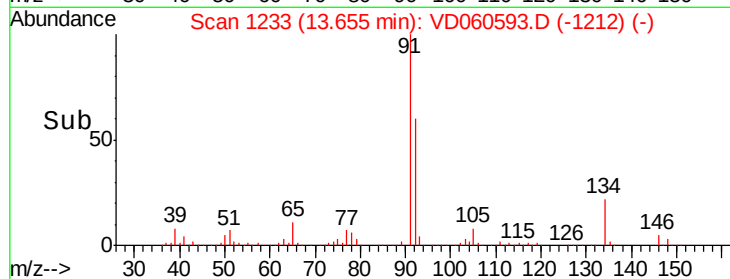
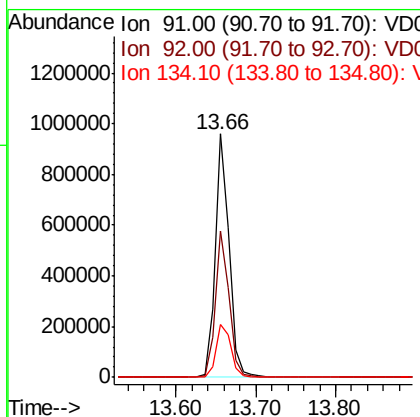
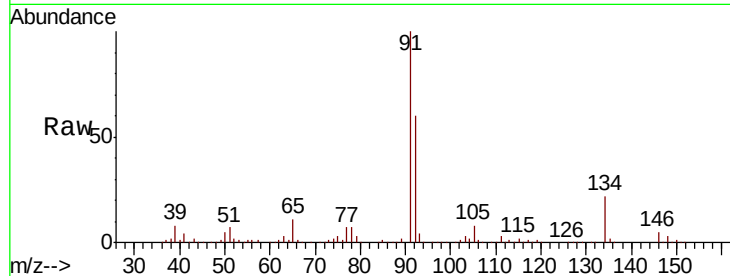
#89
n-Butylbenzene
Concen: 20.196 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 91 Resp: 1176495
Ion Ratio Lower Upper
91 100
92 60.0 30.0 90.1
134 21.9 12.5 37.5

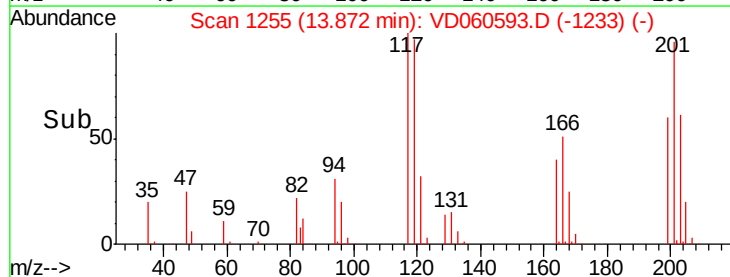
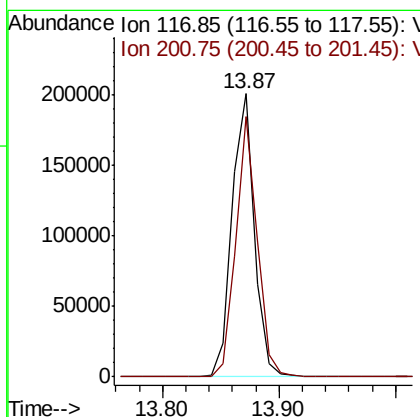
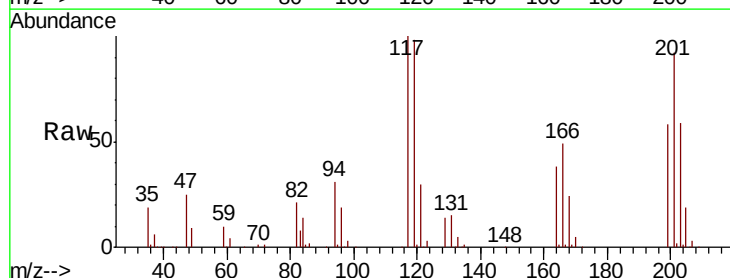
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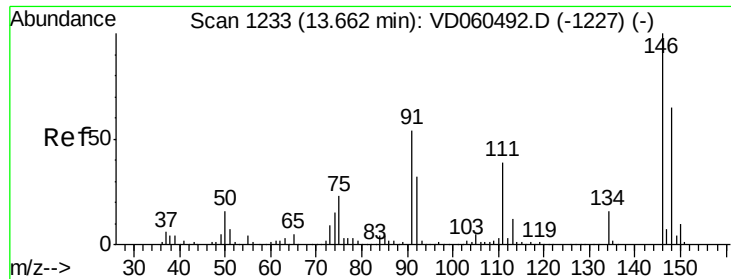
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#90
Hexachloroethane
Concen: 20.400 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 117 Resp: 267744
Ion Ratio Lower Upper
117 100
201 91.9 41.3 123.9





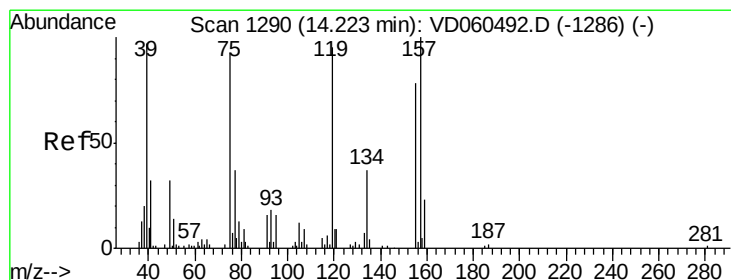
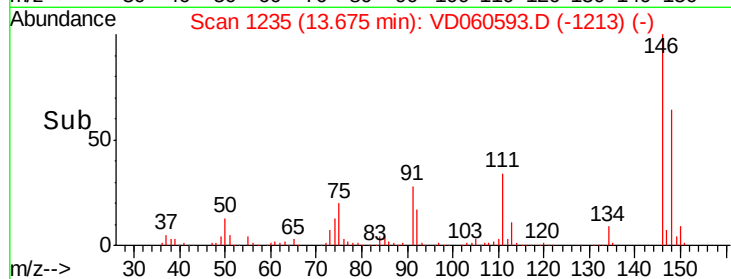
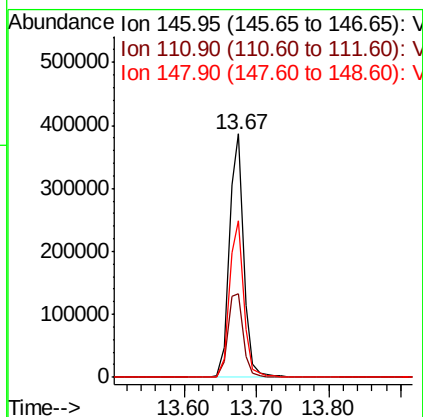
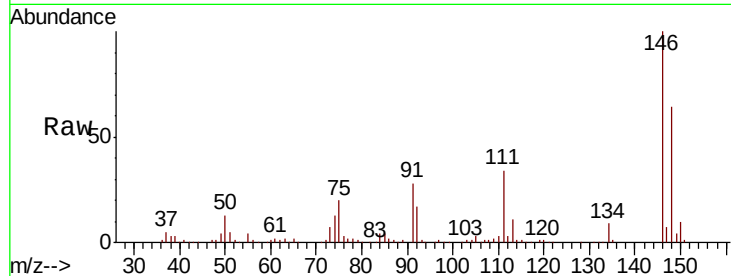
#91
 1,2-Dichlorobenzene
 Concen: 22.166 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	533142		
111	34.3	19.3	57.8	
148	64.3	32.3	96.8	

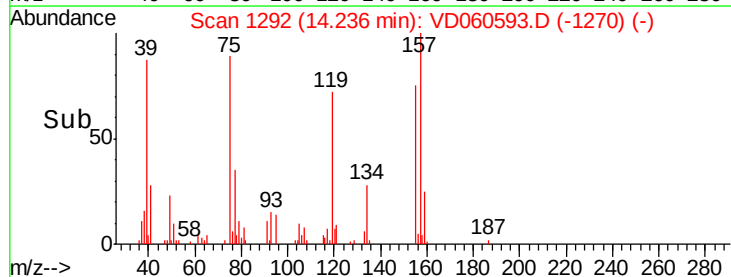
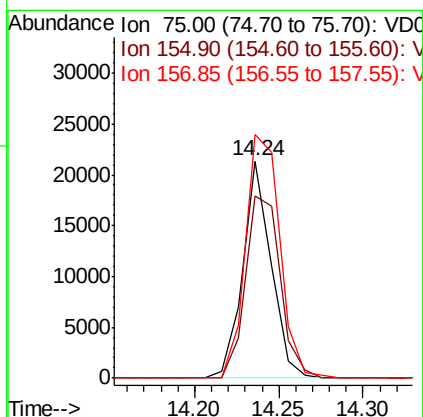
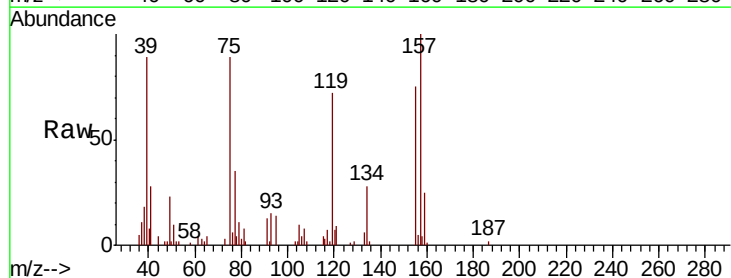
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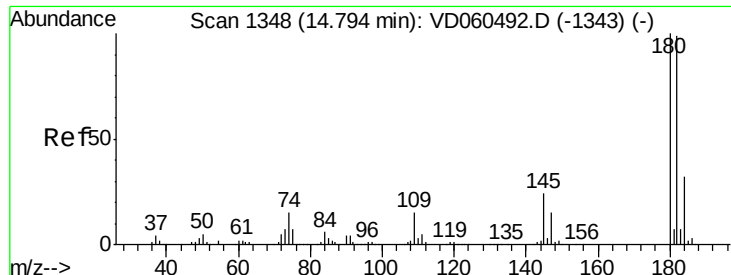
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.717 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24852		
155	83.9	41.6	124.9	
157	112.2	53.6	160.8	





#93

1,2,4-Trichlorobenzene

Concen: 20.747 ug/l

RT: 14.80 min Scan# 1349

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

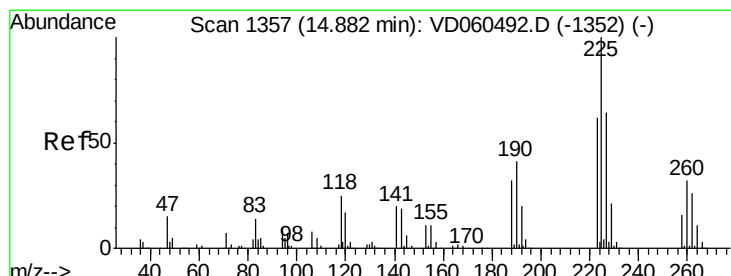
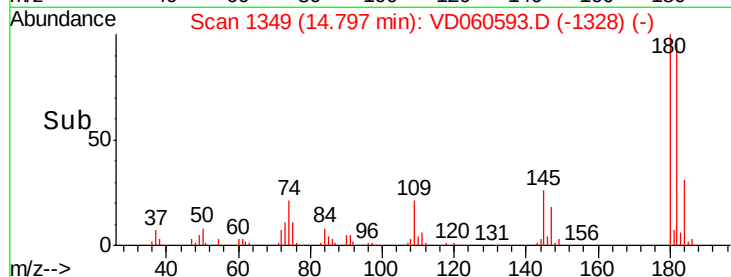
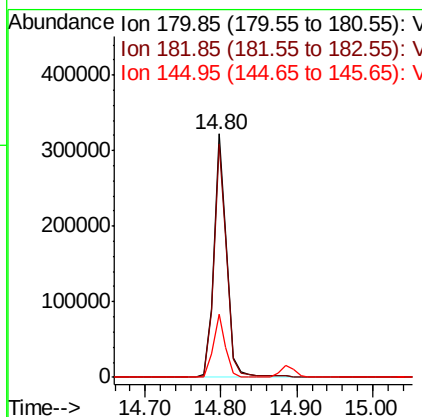
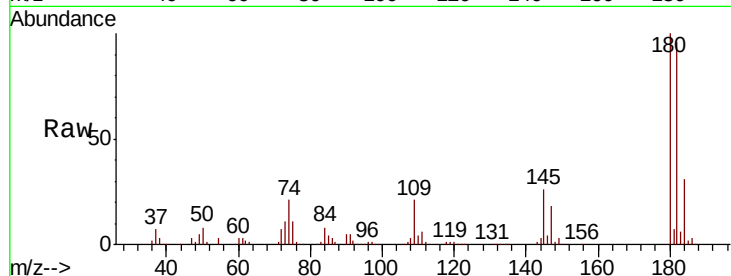
ClientSampleId :

VD1217SBS01

Tot Ion:	180	Resp:	390091
Ion Ratio	Lower	Upper	
180	100		
182	96.0	49.4	148.0
145	25.9	11.9	35.9

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#94

Hexachlorobutadiene

Concen: 20.871 ug/l

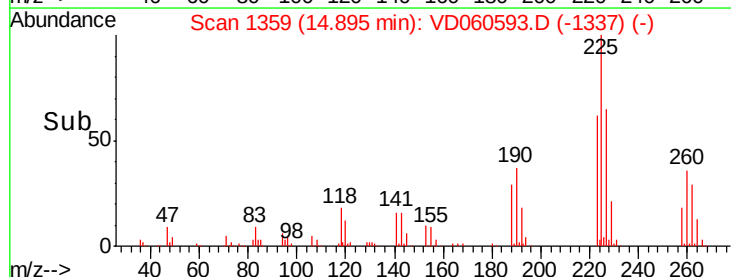
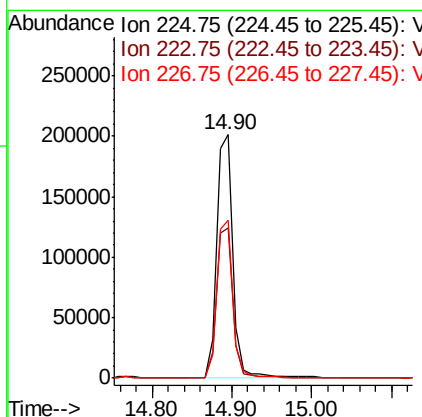
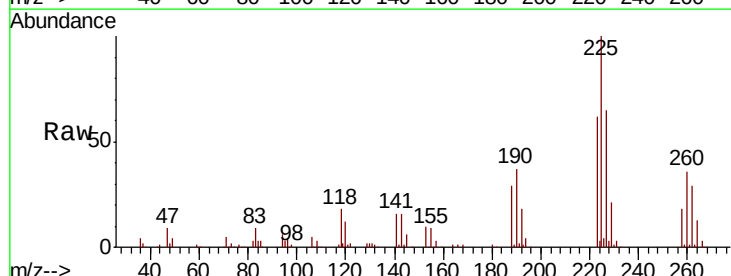
RT: 14.90 min Scan# 1359

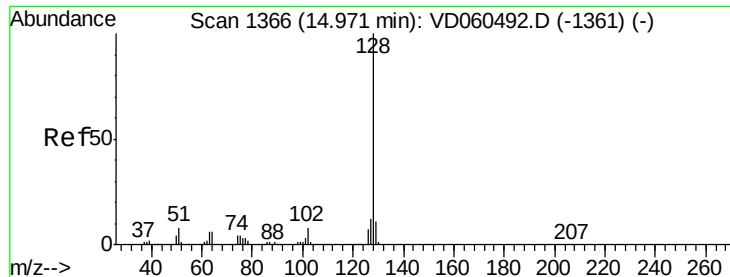
Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion:	225	Resp:	289529
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.2	93.6
227	65.1	32.0	96.0





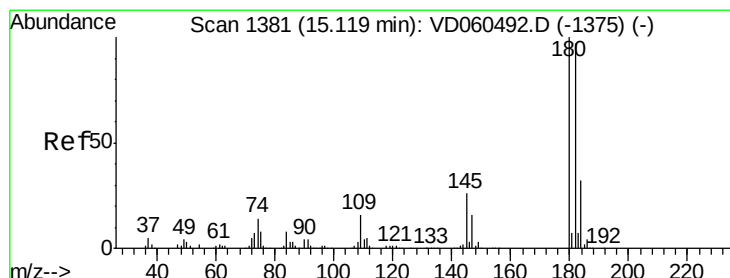
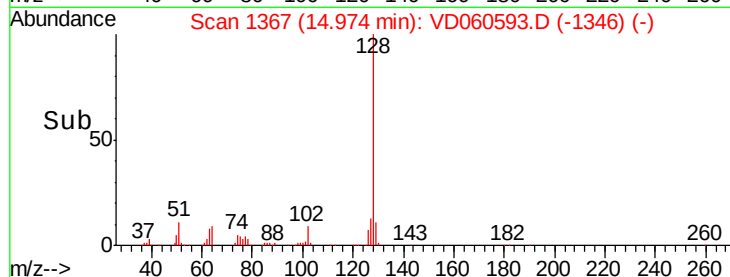
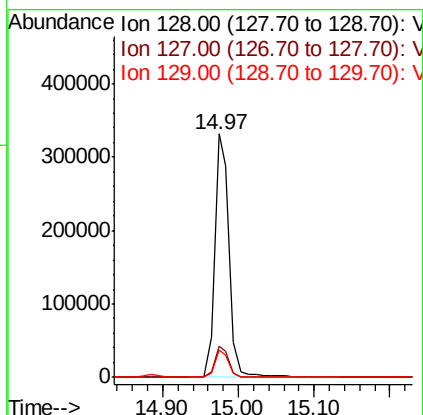
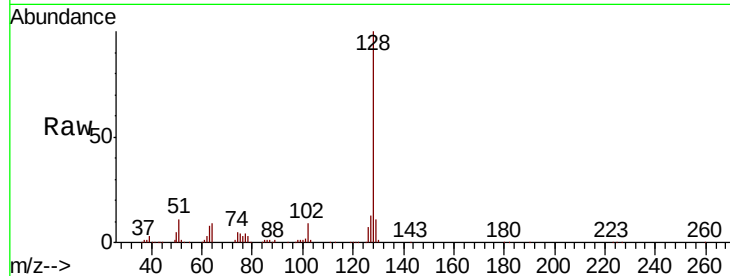
#95
Naphthalene
Concen: 19.900 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.3	8.6	13.0

Manual Integrations
APPROVED

apatel
12/18/2018 3:30:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.621 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	48.5	145.5
145	29.2	12.9	38.7

