

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060229.D
 Acq On : 29 Oct 2018 15:17
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
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 10/30/2018 12:38:00 PM

Quant Time: Oct 29 15:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1547584	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.47	114	2088243	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.31	117	1781899	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.39	152	940192	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	621342	52.97	ug/l	0.05
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	6.35	113	847439	53.44	ug/l	0.05
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	9.49	98	2272543	50.26	ug/l	0.05
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.45	95	878614	51.89	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	298853	20.529	ug/l	100
3) Chloromethane	1.76	50	323302	24.629	ug/l	98
4) Vinyl Chloride	1.86	62	258339	24.048	ug/l	100
5) Bromomethane	2.15	94	21961	16.281	ug/l	89
6) Chloroethane	2.25	64	60429	20.613	ug/l	95
7) Trichlorofluoromethane	2.51	101	309052	24.026	ug/l	98
8) Diethyl Ether	2.84	74	68744	25.990	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	220535	27.521	ug/l	95
10) Methyl Iodide	3.26	142	190110	22.371	ug/l	96
11) Tert butyl alcohol	3.99	59	83295	99.005	ug/l	100
12) 1,1-Dichloroethene	3.08	96	172164	27.271	ug/l	86
13) Acrolein	2.99	56	41487	79.993	ug/l	98
14) Allyl chloride	3.54	41	331174	25.258	ug/l	98
15) Acrylonitrile	4.10	53	409079	117.472	ug/l	98
16) Acetone	3.17	43	344370	161.781	ug/l	99
17) Carbon Disulfide	3.33	76	509461	23.998	ug/l	98
18) Methyl Acetate	3.57	43	117384	25.657	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	647285	23.320	ug/l	98
20) Methylene Chloride	3.73	84	394334	21.045	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	363342	22.285	ug/l	97
22) Diisopropyl ether	4.87	45	1345865	22.985	ug/l	93
23) Vinyl Acetate	4.82	43	3918418	119.050	ug/l	99
24) 1,1-Dichloroethane	4.77	63	610793	23.006	ug/l	99
25) 2-Butanone	5.64	43	686427	129.081	ug/l	97
26) 2,2-Dichloropropane	5.61	77	506306	25.156	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	391502	22.664	ug/l	90
28) Bromochloromethane	5.94	49	286820	22.231	ug/l	98
29) Tetrahydrofuran	5.97	42	359846	116.498	ug/l	99
30) Chloroform	6.12	83	644025	23.981	ug/l	98
31) Cyclohexane	6.39	56	560642	22.060	ug/l	95
32) 1,1,1-Trichloroethane	6.31	97	517312	23.512	ug/l	98
36) 1,1-Dichloropropene	6.55	75	479106	24.009	ug/l	97
37) Ethyl Acetate	5.72	43	308778	23.312	ug/l	98
38) Carbon Tetrachloride	6.53	117	436528	24.102	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	529349	23.347	ug/l	96
40) Benzene	6.82	78	1224958	23.464	ug/l	100
41) Methacrylonitrile	5.95	41	169201m	22.601	ug/l	
42) 1,2-Dichloroethane	6.92	62	356276	23.804	ug/l	98
43) Isopropyl Acetate	8.38	43	395307	22.685	ug/l	100
44) Trichloroethene	7.77	130	362984	22.461	ug/l	98
45) 1,2-Dichloropropane	8.13	63	321136	23.493	ug/l	99
46) Dibromomethane	8.24	93	207182	23.410	ug/l	92
47) Bromodichloromethane	8.51	83	462475	24.526	ug/l	97
48) Methyl methacrylate	8.27	41	235362	23.712	ug/l	98
49) 1,4-Dioxane	8.26	88	43800	448.479	ug/l	96
51) 4-Methyl-2-Pentanone	9.37	43	1362642	123.979	ug/l	97
52) Toluene	9.58	92	803118	23.887	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	405794	23.783	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	506605	24.044	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	262340	23.867	ug/l	96
56) Ethyl methacrylate	10.06	69	280759	23.140	ug/l	95
57) 1,3-Dichloropropane	10.41	76	409308	24.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	823645	122.246	ug/l	94
59) 2-Hexanone	10.51	43	1064212	134.653	ug/l	97
60) Dibromochloromethane	10.67	129	321058	23.807	ug/l	100
61) 1,2-Dibromoethane	10.79	107	272041	23.294	ug/l	97
64) Tetrachloroethene	10.28	164	349612	22.401	ug/l	96
65) Chlorobenzene	11.34	112	867666	22.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.45	131	300827	23.392	ug/l	97
67) Ethyl Benzene	11.46	91	1503254	24.069	ug/l	99
68) m/p-Xylenes	11.59	106	1095991	46.966	ug/l	99
69) o-Xylene	11.96	106	522586	22.640	ug/l	93
70) Styrene	11.98	104	881082	22.825	ug/l	96
71) Bromoform	12.14	173	219187	21.049	ug/l	# 96
73) Isopropylbenzene	12.30	105	1443887	23.279	ug/l	99
74) N-amyl acetate	12.16	43	509267	22.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	301865	22.292	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	300695	22.208	ug/l	98
77) Bromobenzene	12.57	156	399719	22.177	ug/l	89
78) n-propylbenzene	12.67	91	1783380	23.155	ug/l	97
79) 2-Chlorotoluene	12.73	91	974644	22.801	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	1153731	24.033	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	82888	21.787	ug/l	97
82) 4-Chlorotoluene	12.83	91	1153917	23.867	ug/l	96
83) tert-Butylbenzene	13.07	119	1292525	23.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1184417	23.410	ug/l	97
85) sec-Butylbenzene	13.25	105	1500538	23.037	ug/l	99
86) p-Isopropyltoluene	13.36	119	1256870	23.526	ug/l	99
87) 1,3-Dichlorobenzene	13.34	146	716217	22.807	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	710666	22.530	ug/l	98
89) n-Butylbenzene	13.67	91	1300853	24.955	ug/l	99
90) Hexachloroethane	13.89	117	290056	23.459	ug/l	69
91) 1,2-Dichlorobenzene	13.69	146	617339	23.380	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	40250	22.262	ug/l	84

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	474578	21.175	ug/l	98
94) Hexachlorobutadiene	14.90	225	314268	21.095	ug/l	100
95) Naphthalene	14.99	128	686217	20.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.14	180	395633	20.293	ug/l	99

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

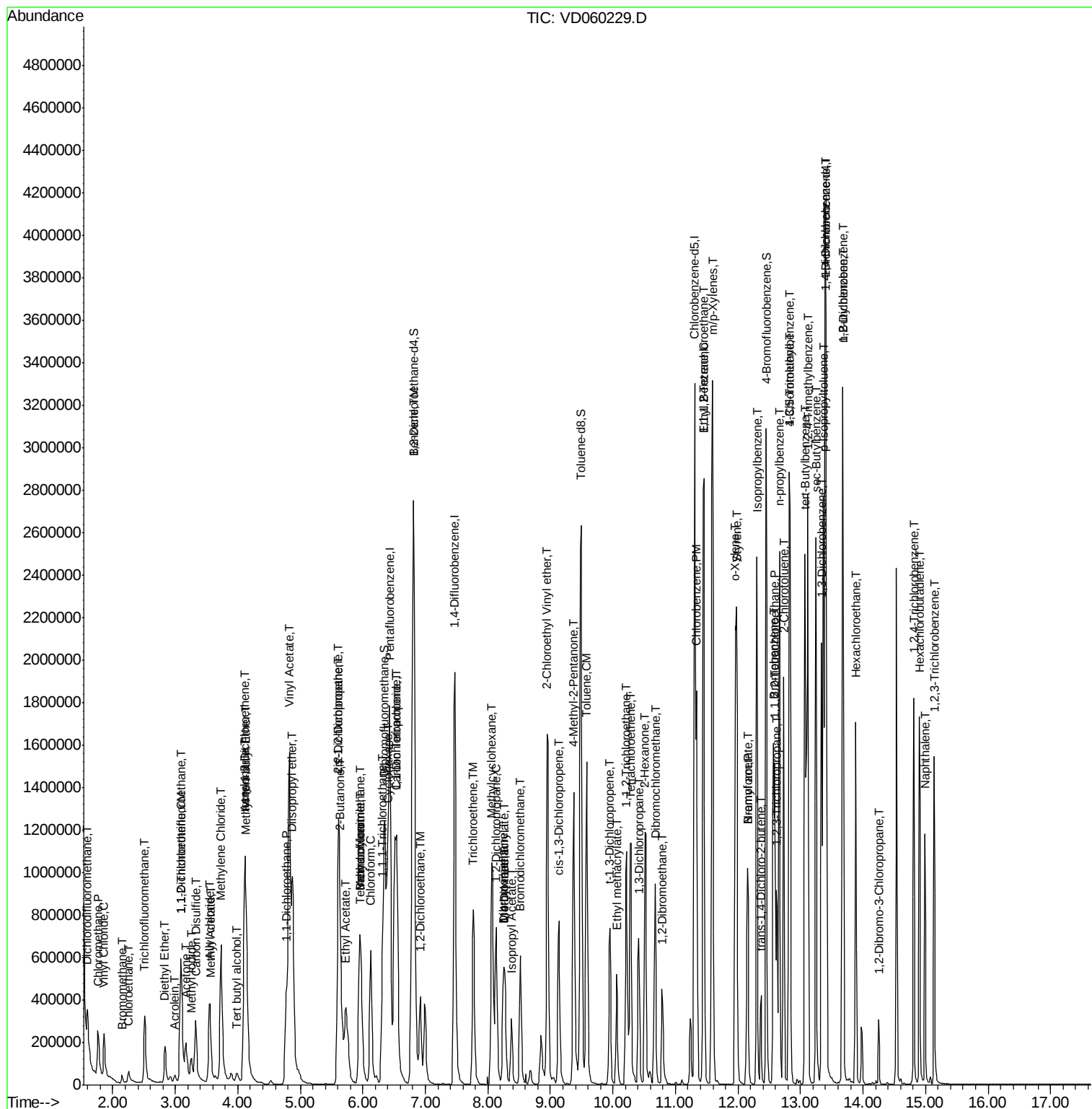
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060229.D
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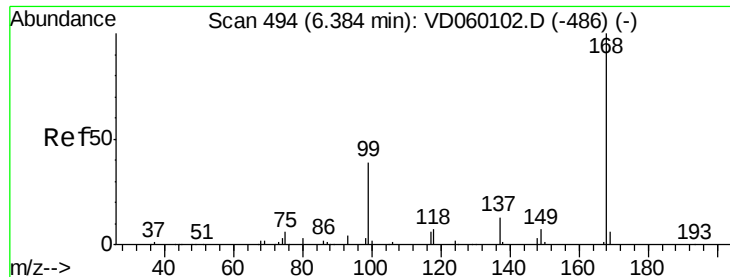
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:168 Resp: 1547584

Ion Ratio Lower Upper

168 100

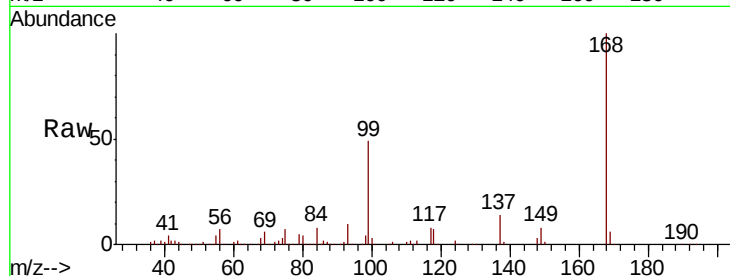
99 49.4 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.43

600000

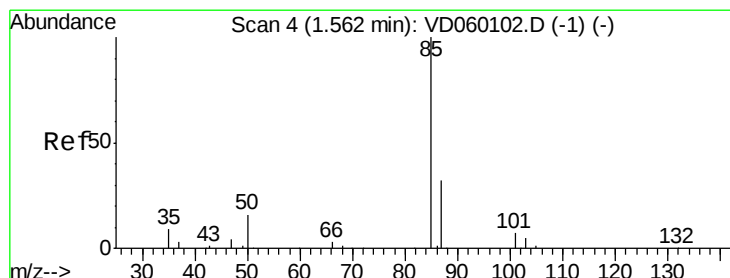
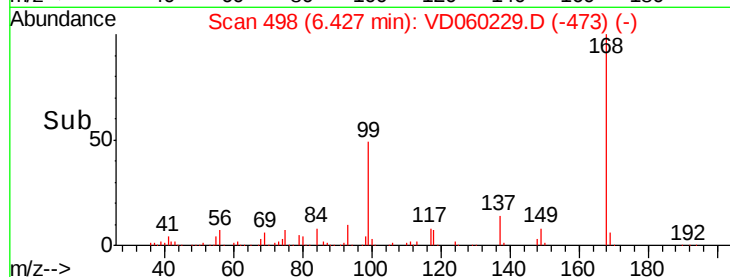
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 20.529 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060229.D

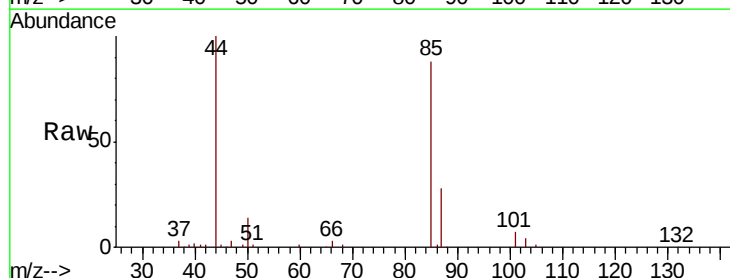
Acq: 29 Oct 2018 15:17

Tgt Ion: 85 Resp: 298853

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.60

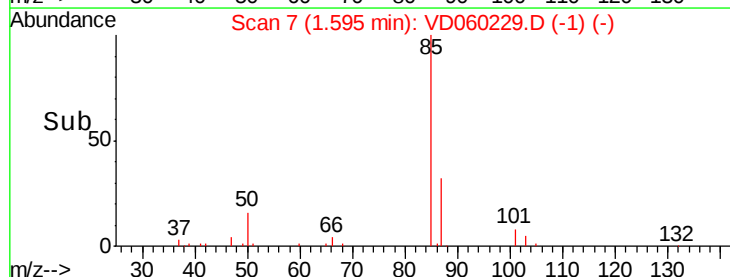
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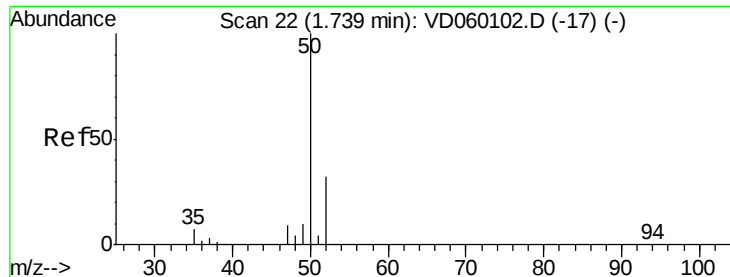
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 24.629 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 50 Resp: 323302

Ion Ratio Lower Upper

50 100

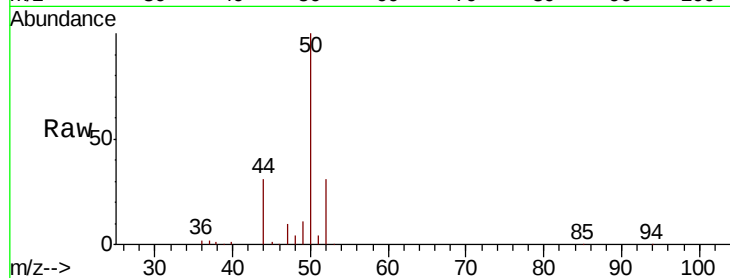
52 30.7 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

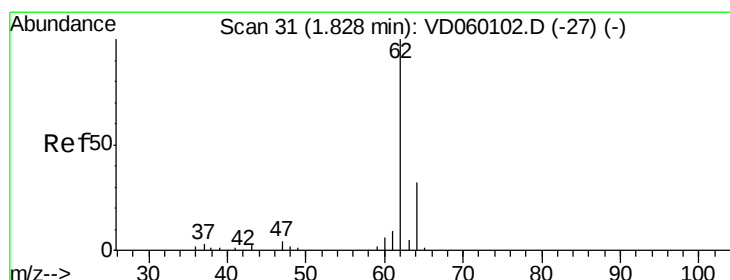
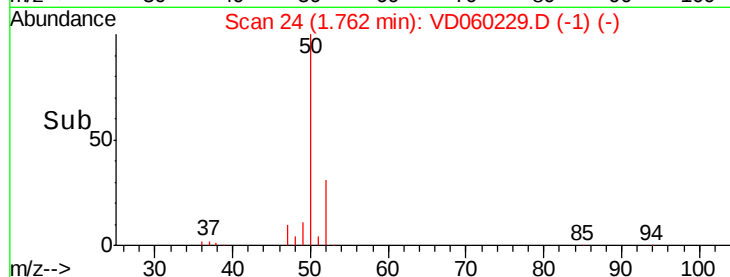
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 24.048 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060229.D

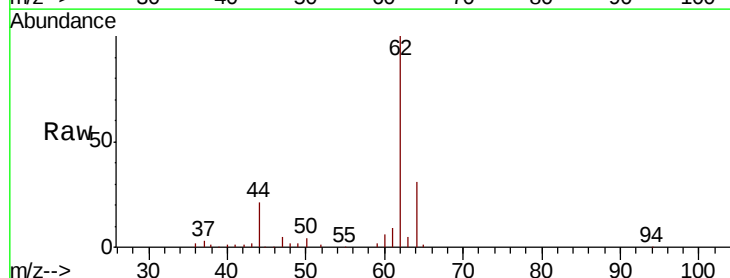
Acq: 29 Oct 2018 15:17

Tgt Ion: 62 Resp: 258339

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

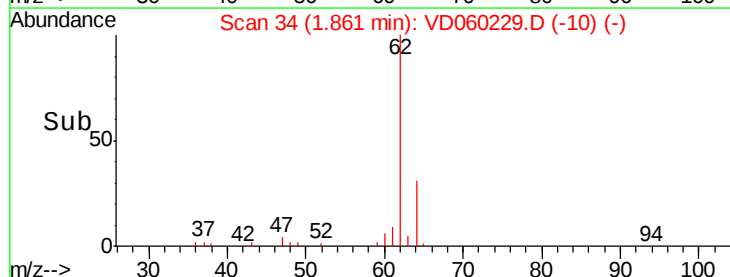
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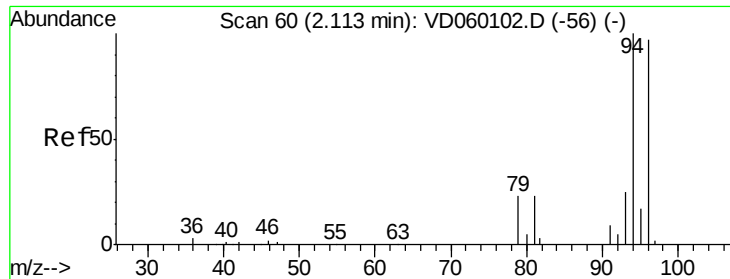
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50000

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Time-->





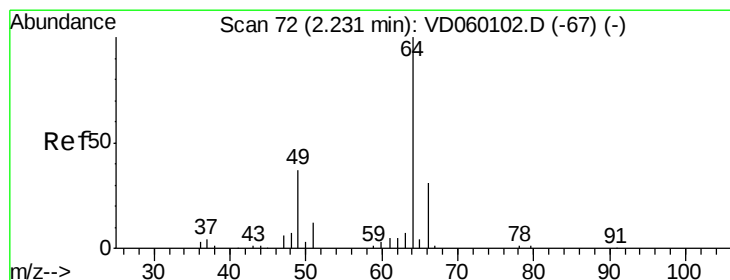
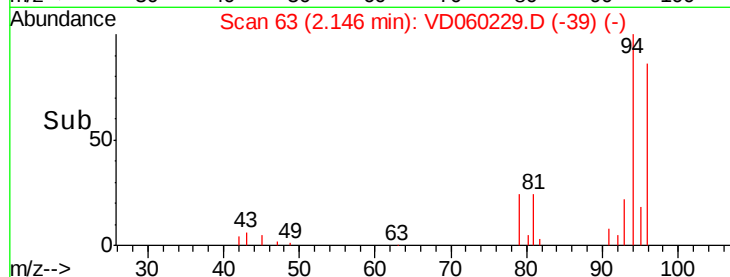
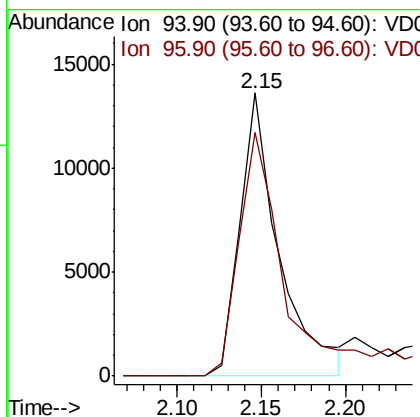
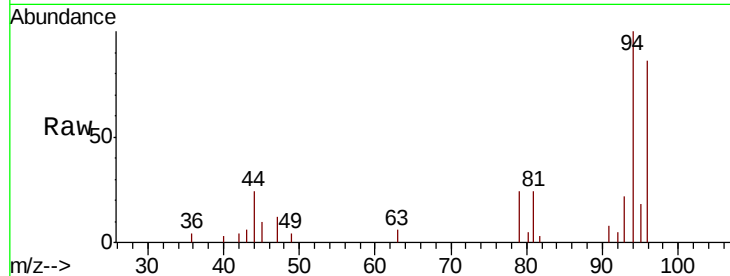
#5
Bromomethane
Concen: 16.281 ug/l
RT: 2.15 min Scan# 63
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 21961
Ion Ratio Lower Upper
94 100
96 86.1 77.4 116.2

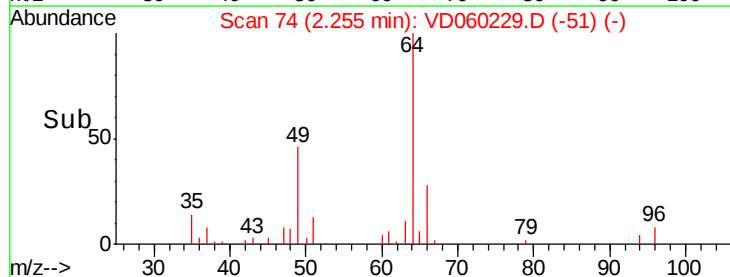
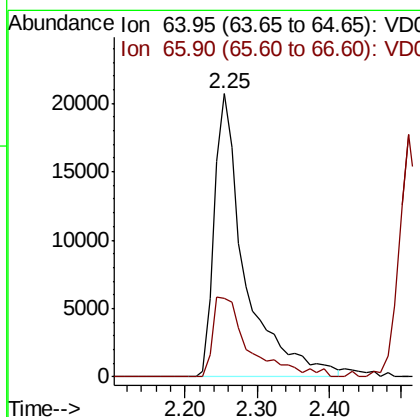
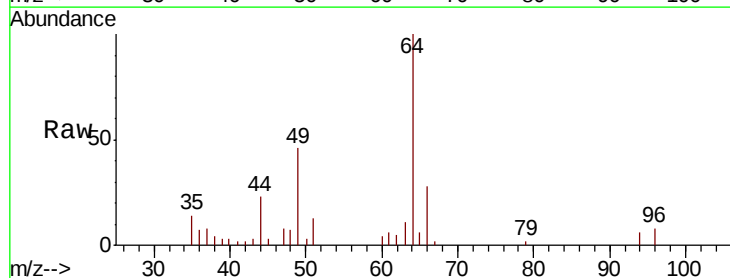
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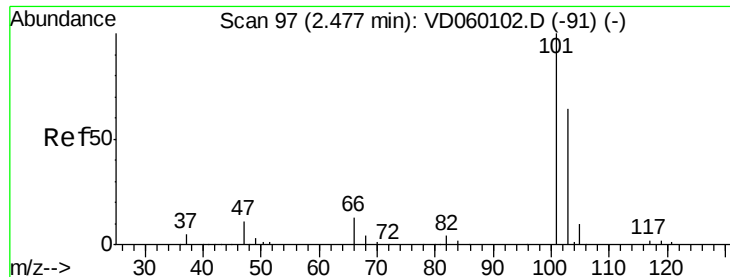
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#6
Chloroethane
Concen: 20.613 ug/l
RT: 2.25 min Scan# 74
Delta R.T. 0.02 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 64 Resp: 60429
Ion Ratio Lower Upper
64 100
66 27.9 24.6 37.0





#7

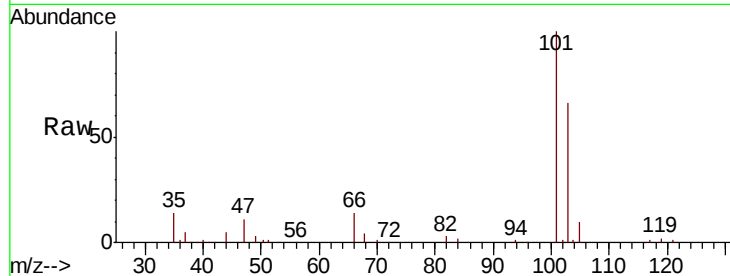
Trichlorofluoromethane
 Concen: 24.026 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
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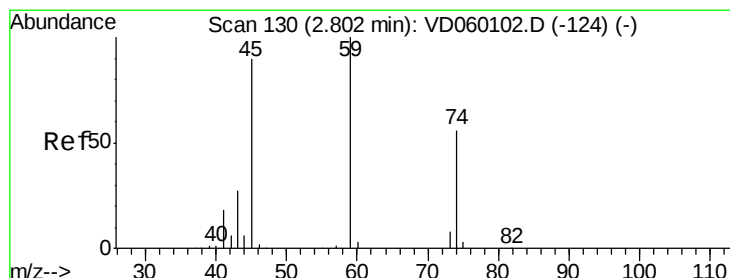
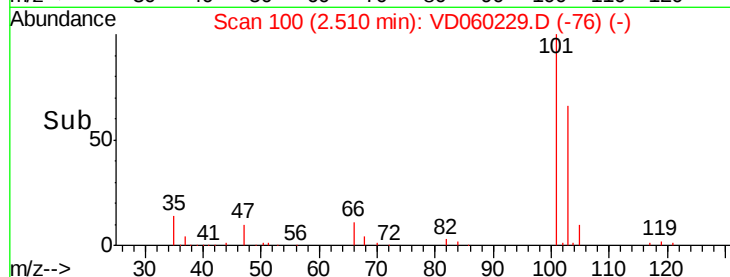
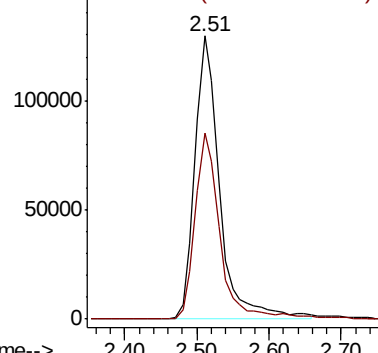
Tot Ion:101 Resp: 309052
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3

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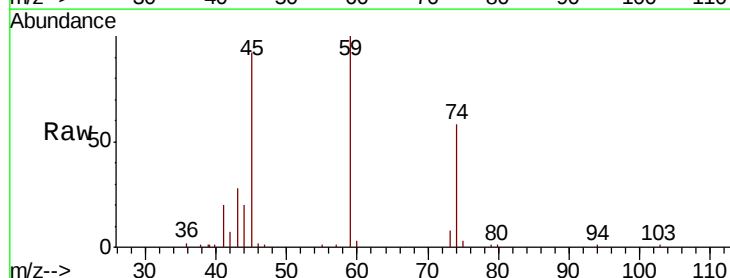
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



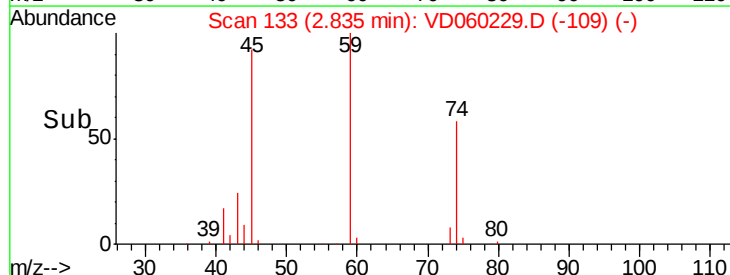
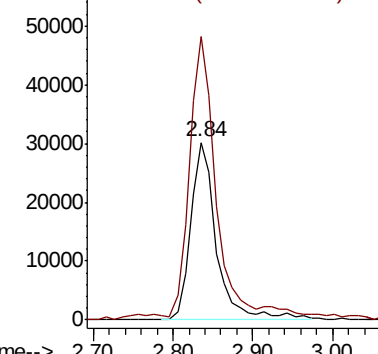
#8

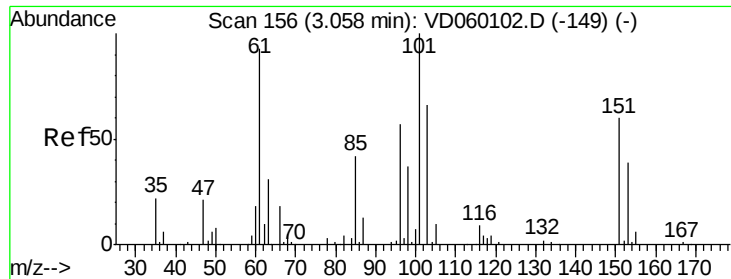
Diethyl Ether
 Concen: 25.990 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion: 74 Resp: 68744
 Ion Ratio Lower Upper
 74 100
 45 159.5 80.3 241.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.521 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.04 min

Lab File: VD060229.D

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MSVOA_D

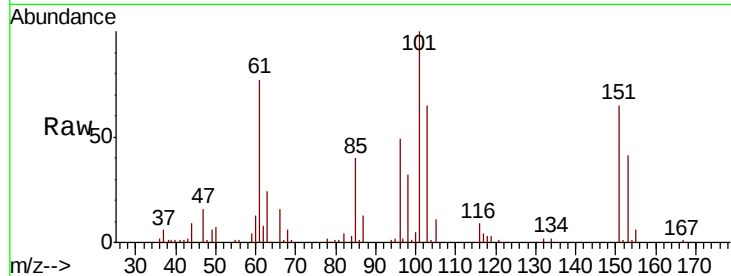
ClientSampleId :

VD1029SBS01

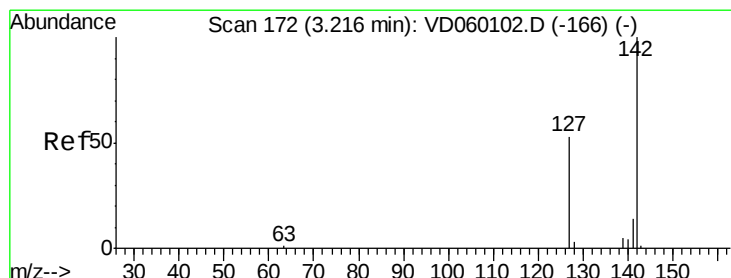
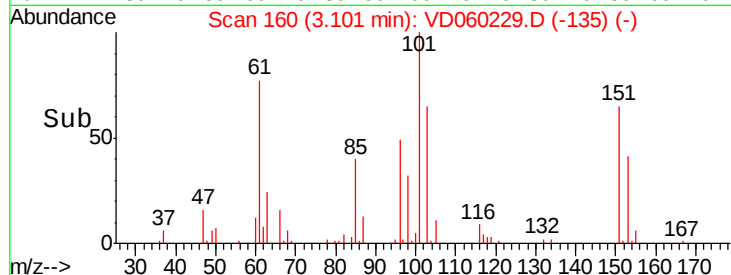
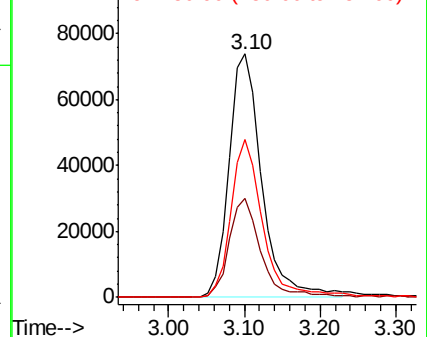
Tot Ion:	101	Resp:	220535
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.0
151	64.9	48.0	72.0

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



#10

Methyl Iodide

Concen: 22.371 ug/l

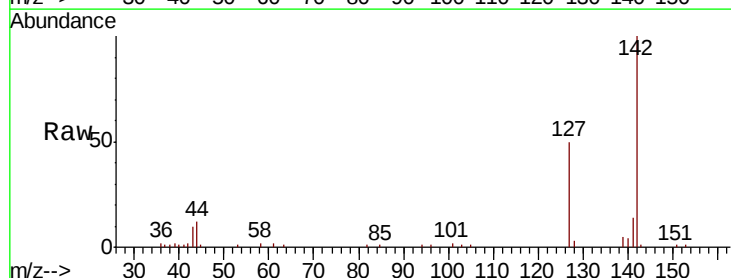
RT: 3.26 min Scan# 176

Delta R.T. 0.04 min

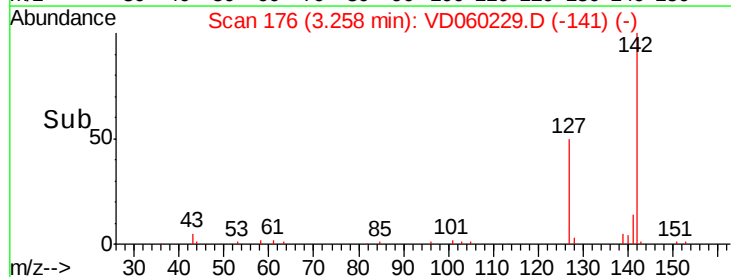
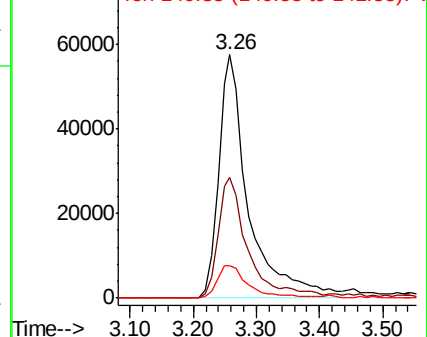
Lab File: VD060229.D

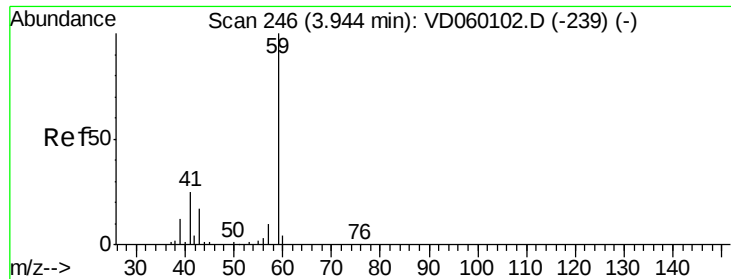
Acq: 29 Oct 2018 15:17

Tgt Ion:	142	Resp:	190110
Ion Ratio	Lower	Upper	
142	100		
127	49.6	42.0	63.0
141	13.5	11.4	17.0



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





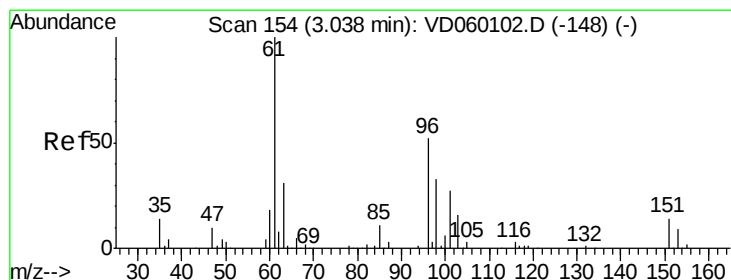
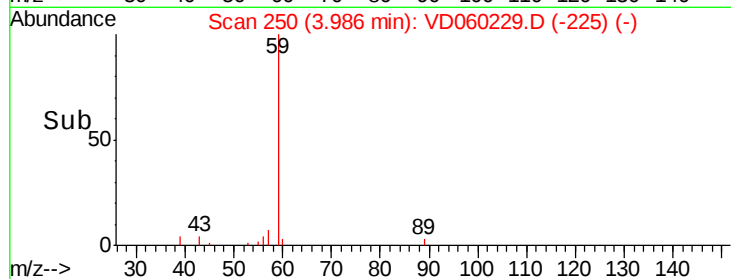
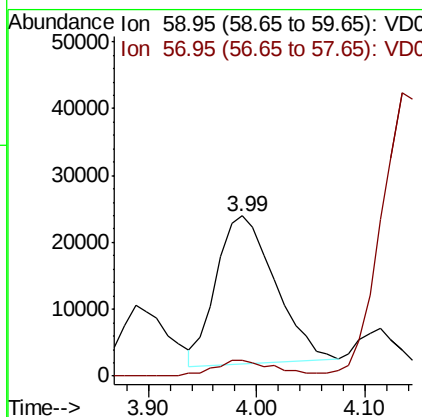
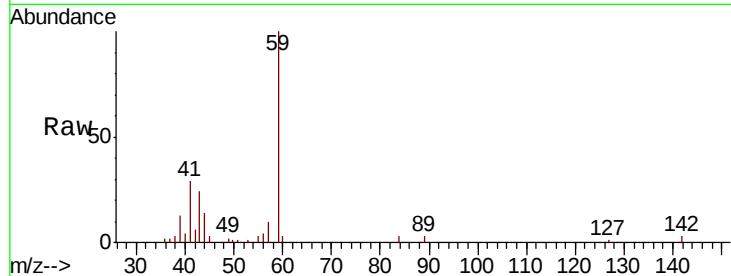
#11
Tert butyl alcohol
Concen: 99.005 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 59 Resp: 83295
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

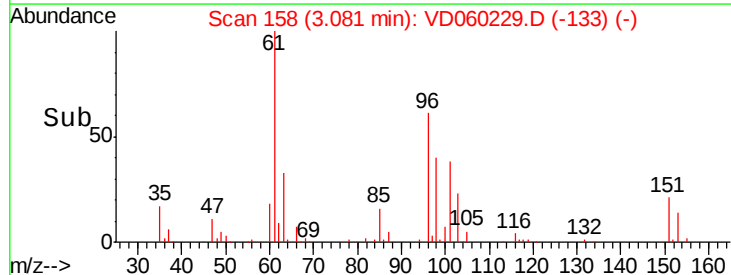
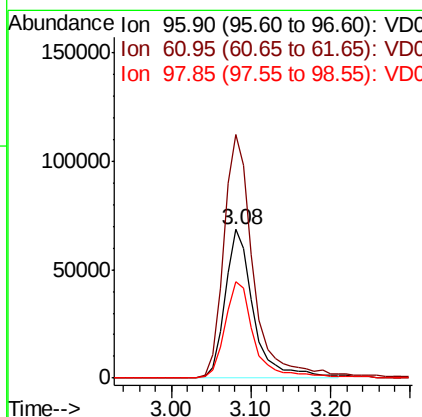
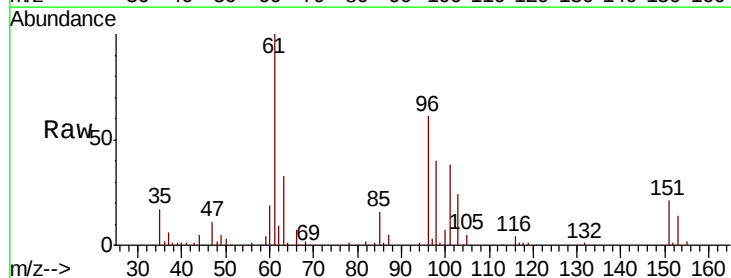
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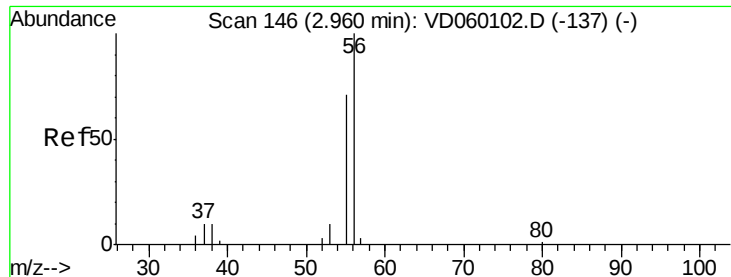
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#12
1,1-Dichloroethene
Concen: 27.271 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 96 Resp: 172164
Ion Ratio Lower Upper
96 100
61 163.6 153.0 229.4
98 65.2 51.1 76.7





#13

Acrolein

Concen: 79.993 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 56 Resp: 41487

Ion Ratio Lower Upper

56 100

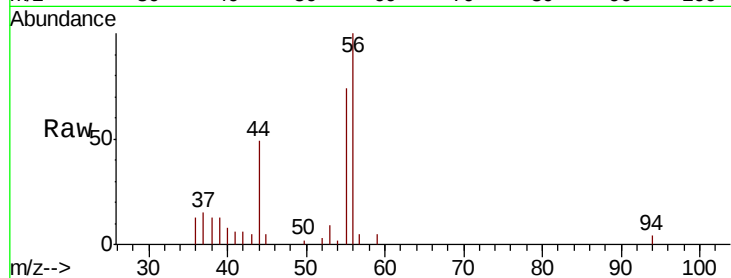
55 73.7 57.4 86.2

Manual Integrations

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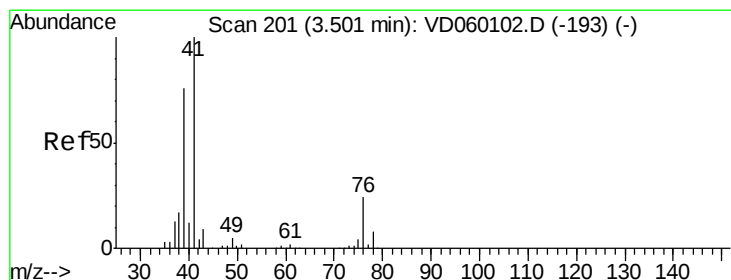
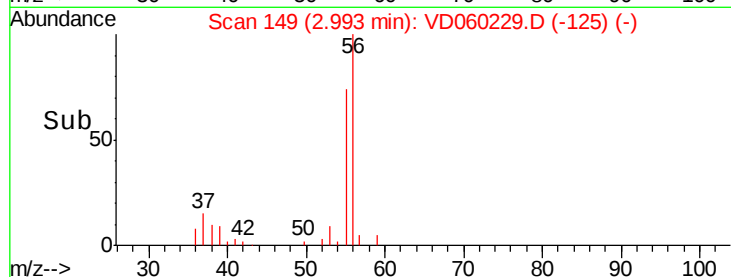
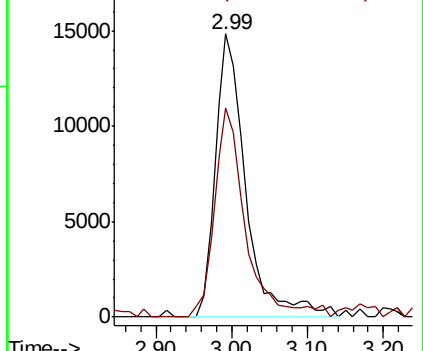
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 25.258 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

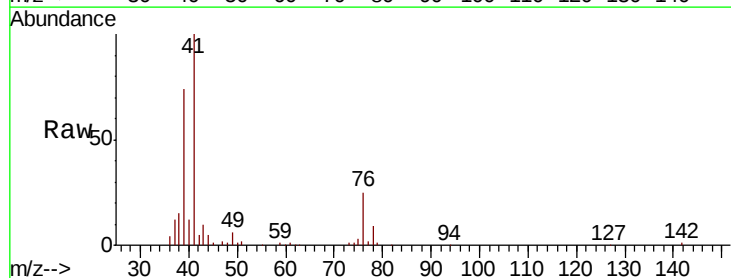
Tgt Ion: 41 Resp: 331174

Ion Ratio Lower Upper

41 100

39 73.9 60.6 90.8

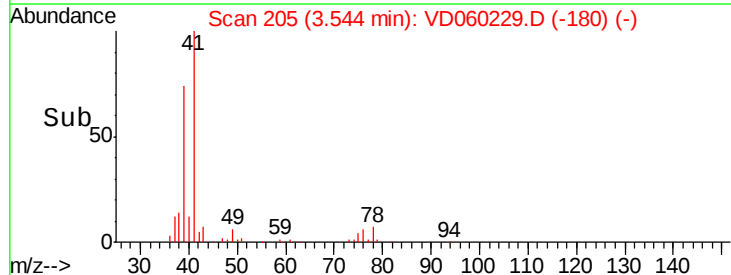
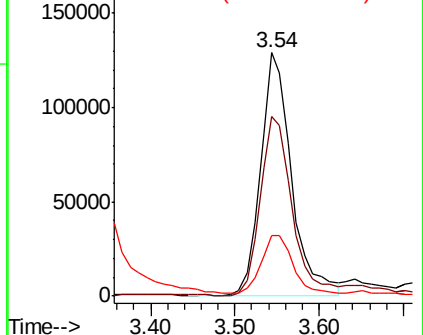
76 24.8 21.3 31.9

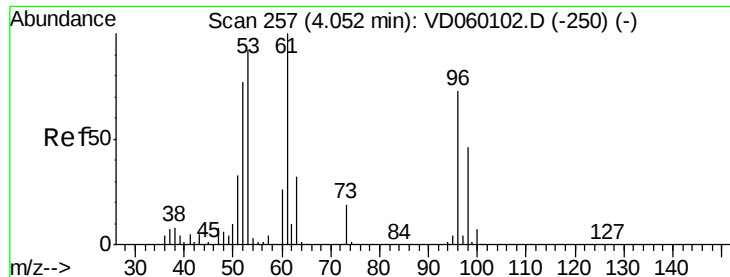


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





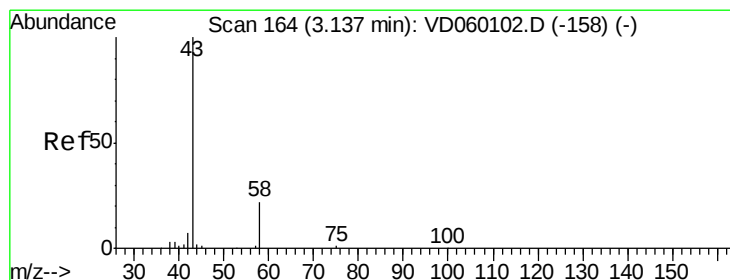
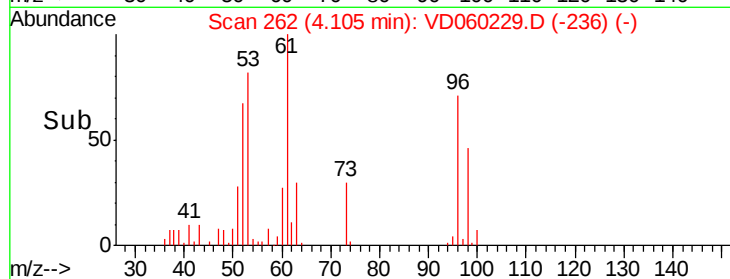
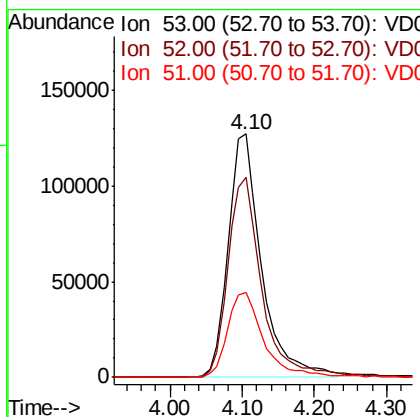
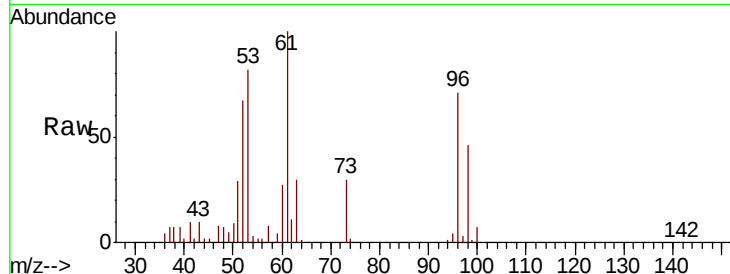
#15
 Acrylonitrile
 Concen: 117.472 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.5	101.3
51	35.0	29.3	43.9

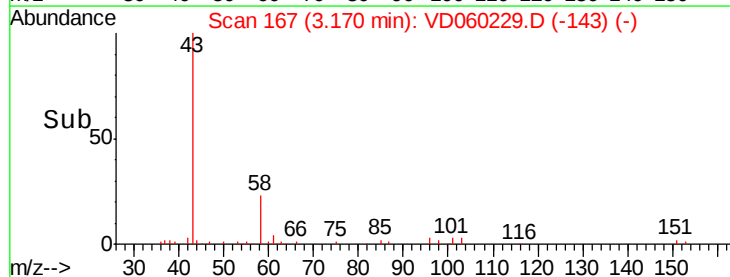
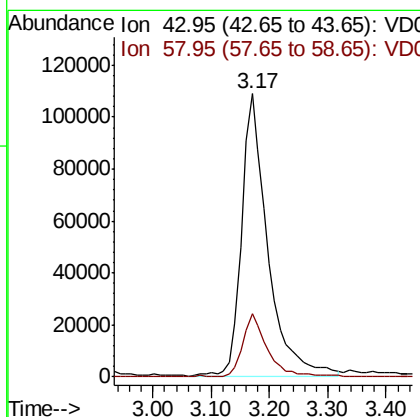
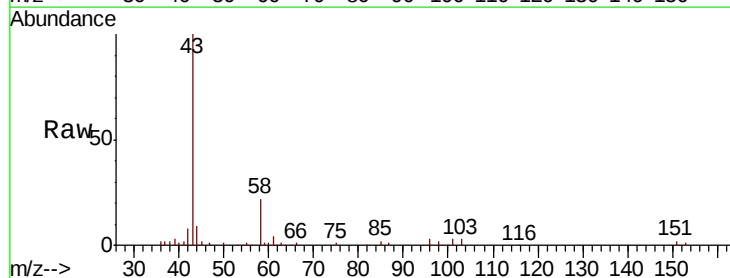
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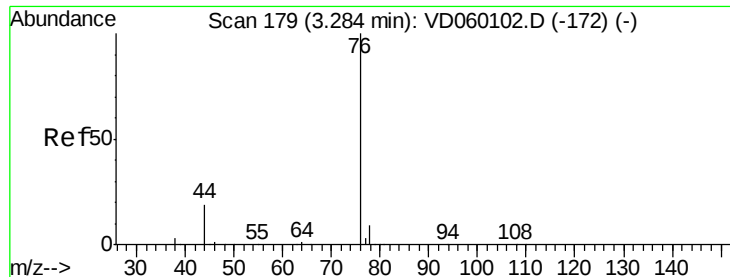
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#16
 Acetone
 Concen: 161.781 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.4	17.7	26.5





#17

Carbon Disulfide

Concen: 23.998 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 76 Resp: 509461

Ion Ratio Lower Upper

76 100

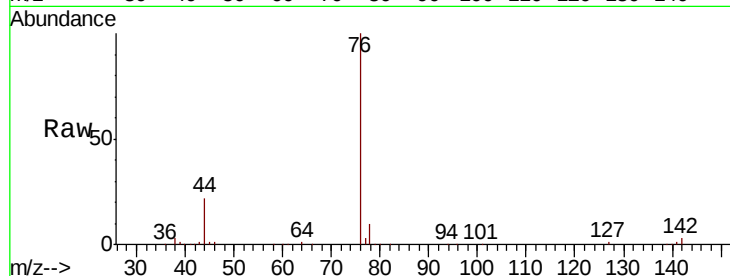
78 10.0 7.4 11.2

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

200000

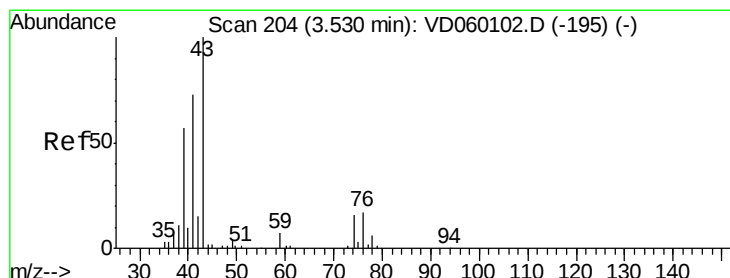
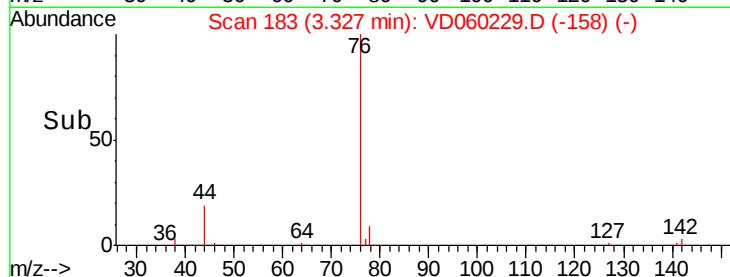
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 25.657 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.04 min

Lab File: VD060229.D

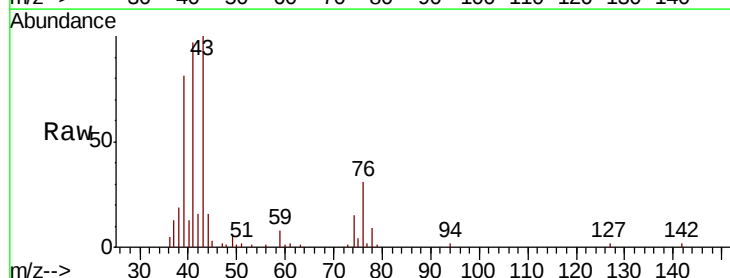
Acq: 29 Oct 2018 15:17

Tgt Ion: 43 Resp: 117384

Ion Ratio Lower Upper

43 100

74 14.5 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

40000

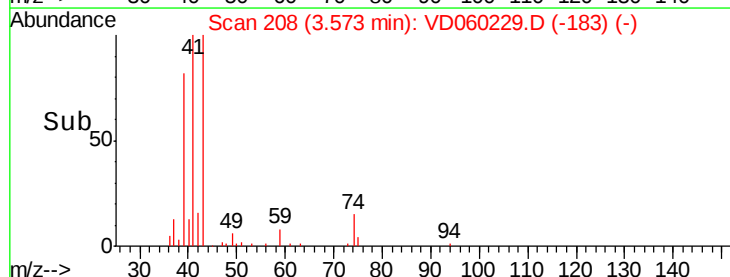
30000

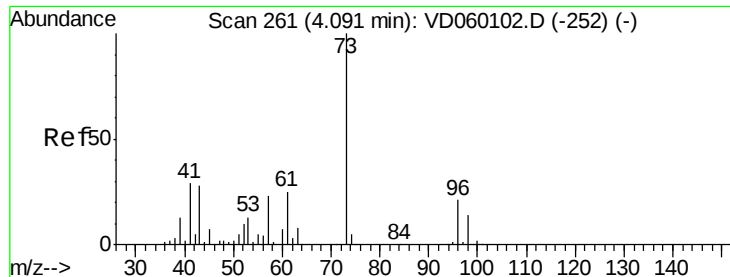
20000

10000

0

Time-->





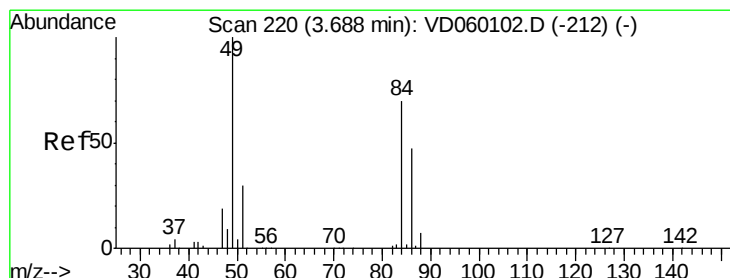
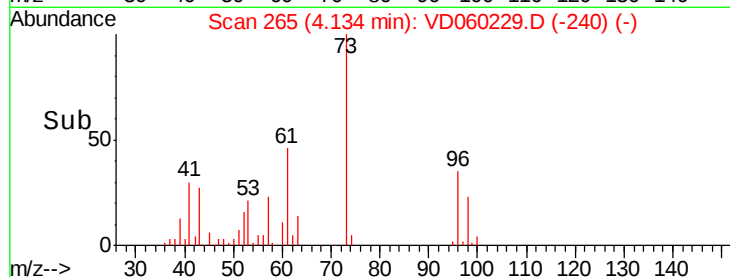
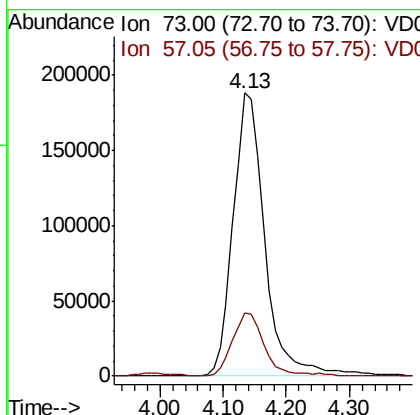
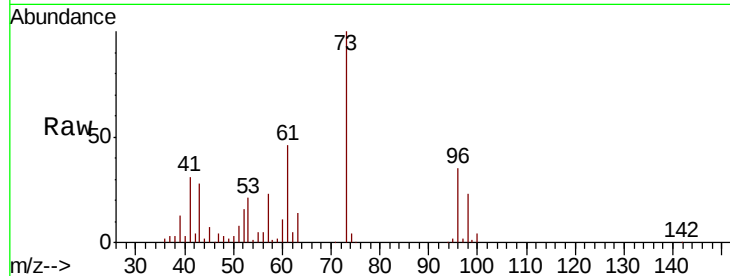
#19
Methvl tert-butvl Ether
Concen: 23.320 ug/l
RT: 4.13 min Scan# 265
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 73 Resp: 647285
Ion Ratio Lower Upper
73 100
57 22.5 18.7 28.1

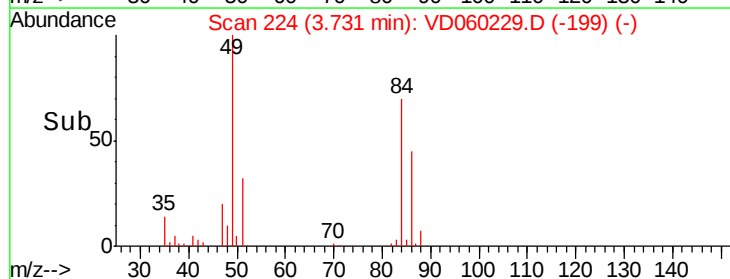
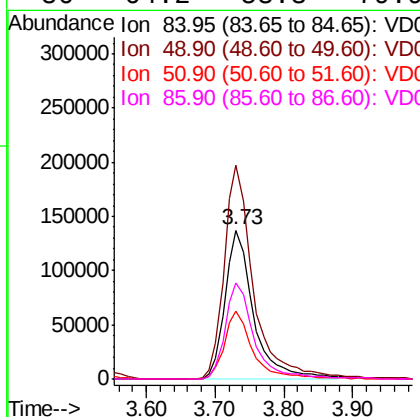
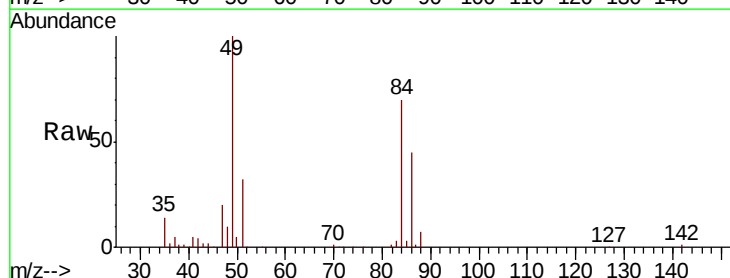
Manual Integrations
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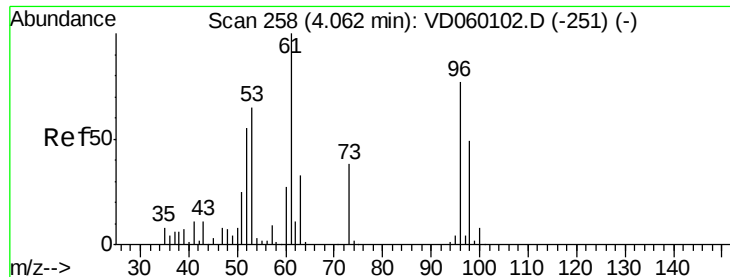
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#20
Methylene Chloride
Concen: 21.045 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 84 Resp: 394334
Ion Ratio Lower Upper
84 100
49 143.8 114.6 172.0
51 45.4 33.8 50.8
86 64.2 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 22.285 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 96 Resp: 363342

Ion Ratio Lower Upper

96 100

61 133.4 103.3 154.9

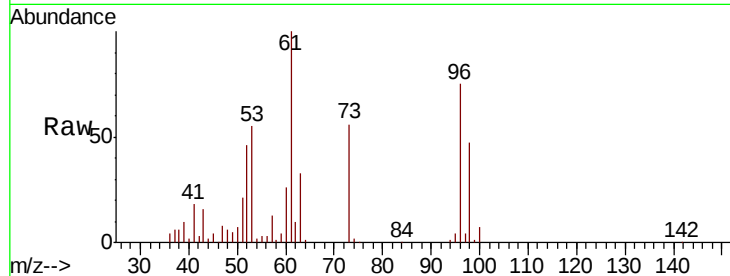
98 62.1 50.4 75.6

Manual Integrations

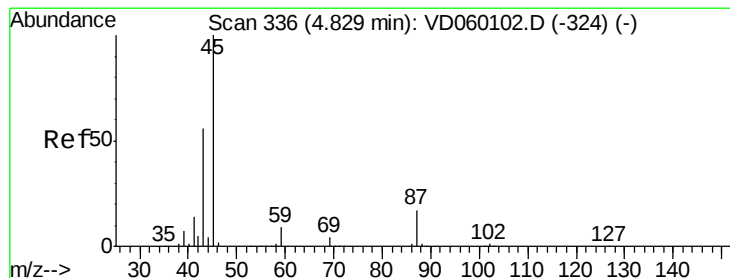
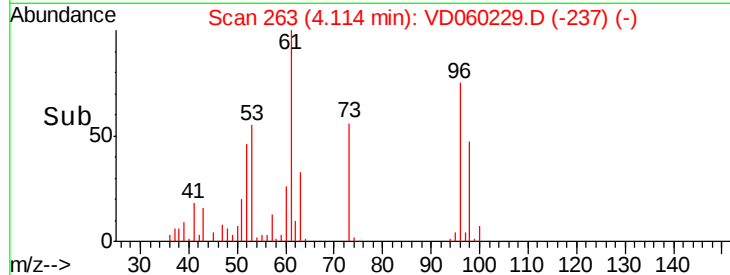
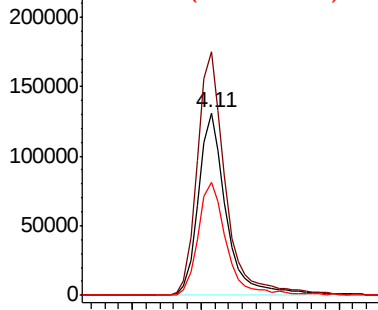
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.985 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion: 45 Resp: 1345865

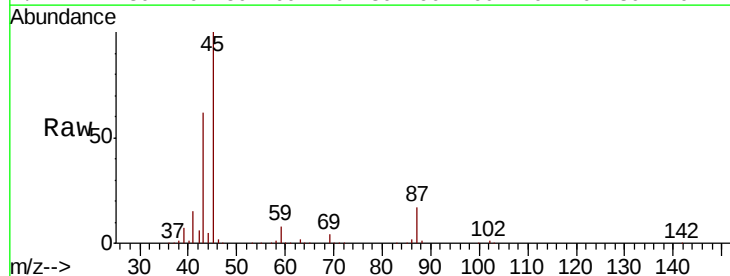
Ion Ratio Lower Upper

45 100

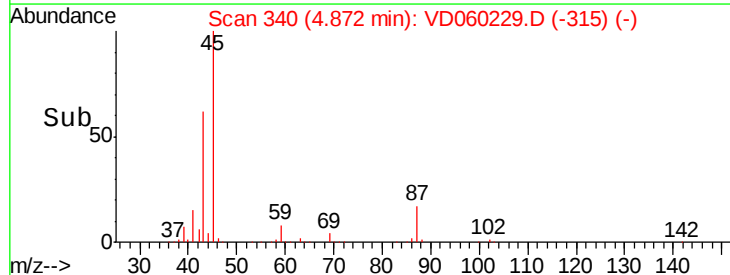
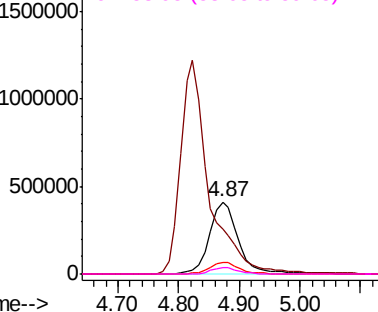
43 62.3 44.8 67.2

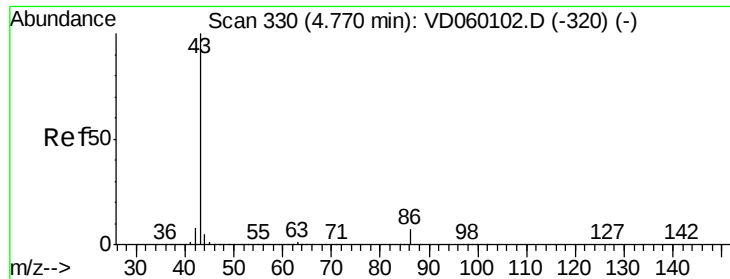
87 16.6 13.9 20.9

59 8.0 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 119.050 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 3918418

Ion Ratio Lower Upper

43 100

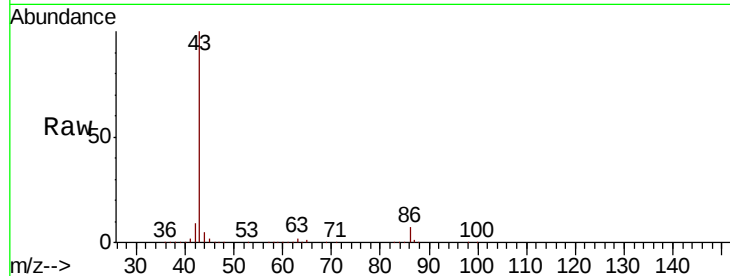
86 6.6 5.6 8.4

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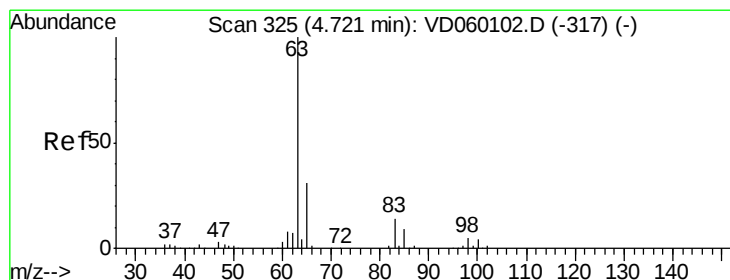
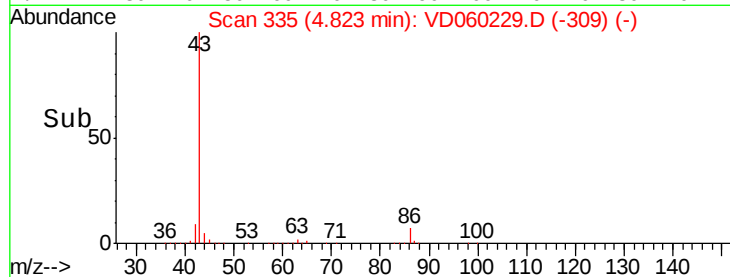
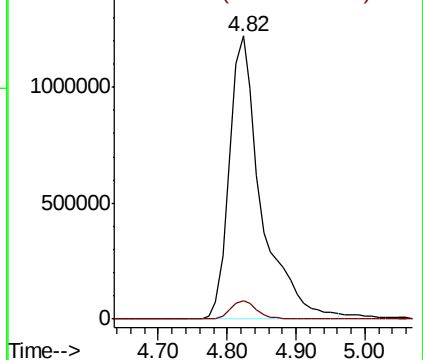
apatel

10/30/2018 12:38:00 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.006 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

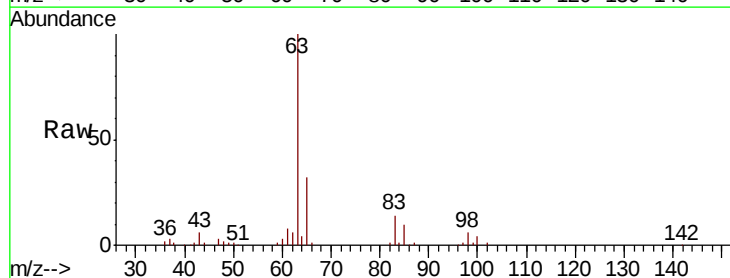
Tgt Ion: 63 Resp: 610793

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

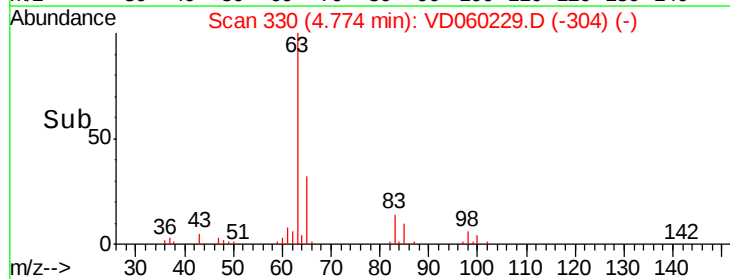
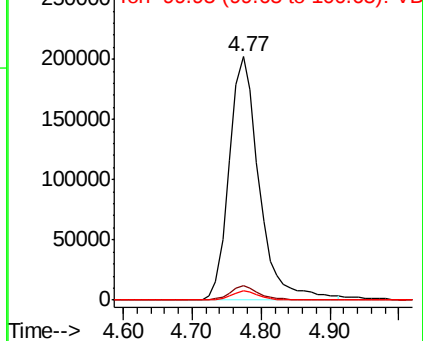
100 3.6 1.8 5.3

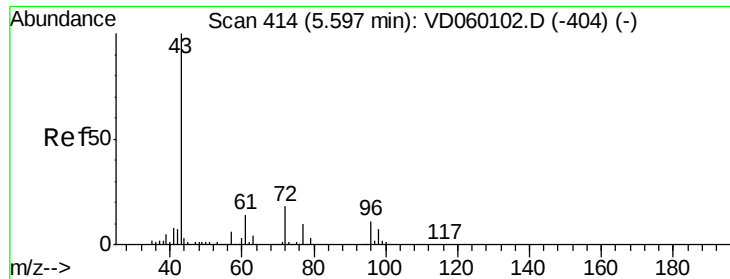


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 129.081 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 686427

Ion Ratio Lower Upper

43 100

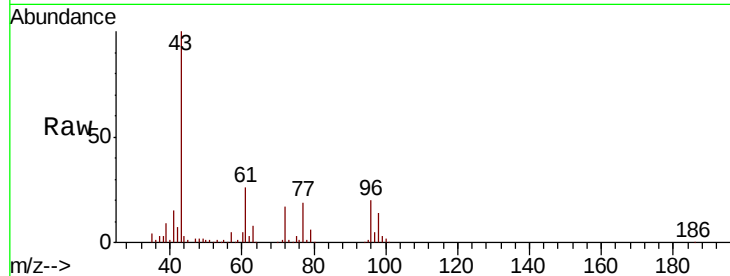
72 16.6 14.5 21.7

Manual Integrations

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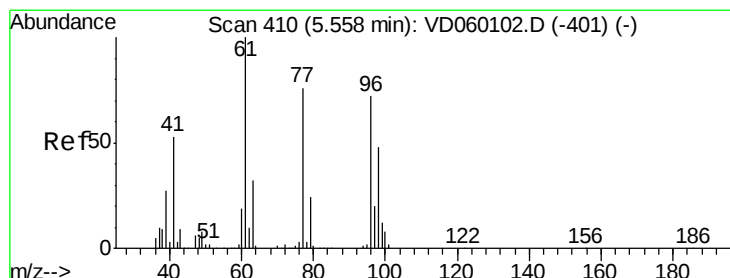
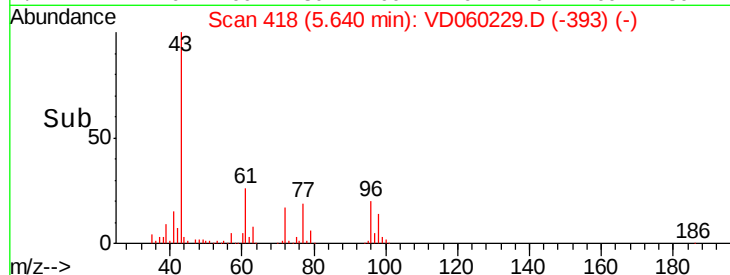
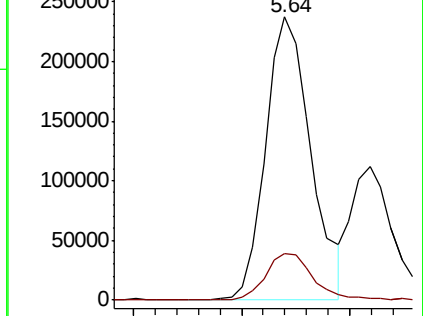
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 25.156 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.05 min

Lab File: VD060229.D

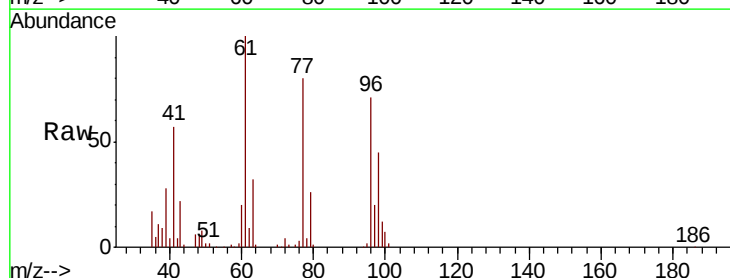
Acq: 29 Oct 2018 15:17

Tgt Ion: 77 Resp: 506306

Ion Ratio Lower Upper

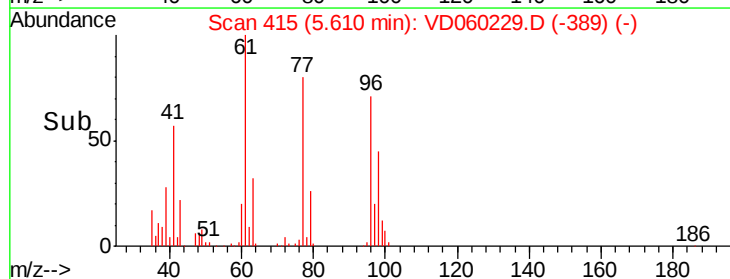
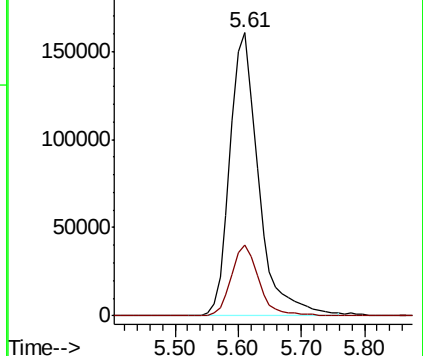
77 100

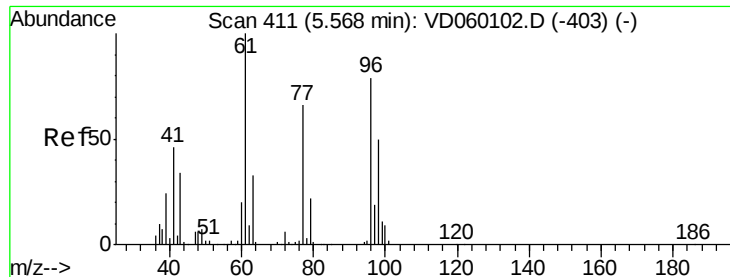
97 25.1 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

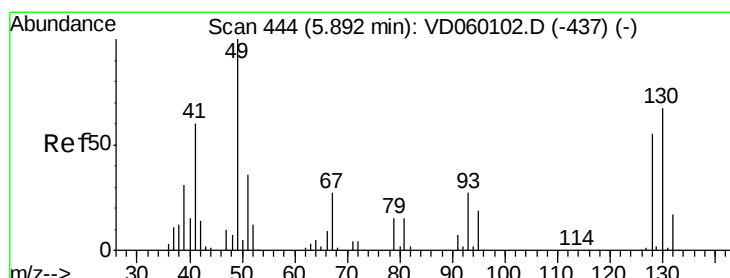
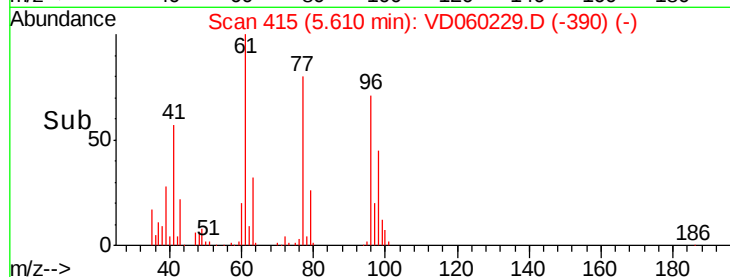
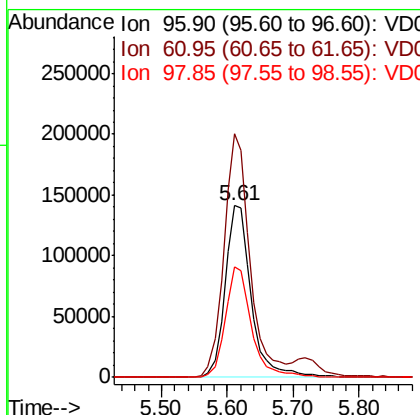
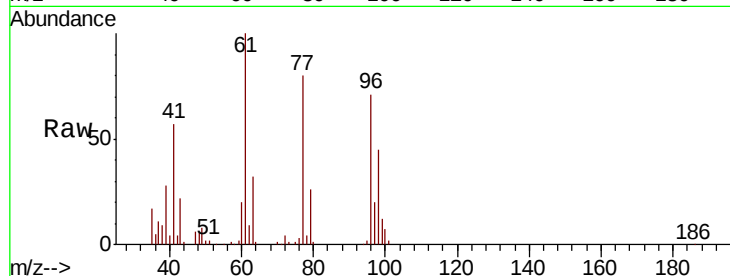
cis-1,2-Dichloroethene
Concen: 22.664 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.8	0.0	251.8	
98	64.4	0.0	125.2	

Manual Integrations
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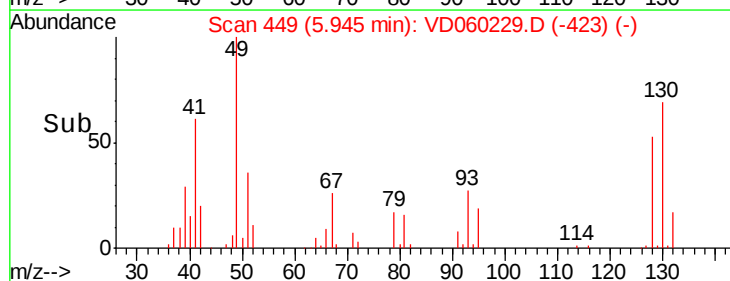
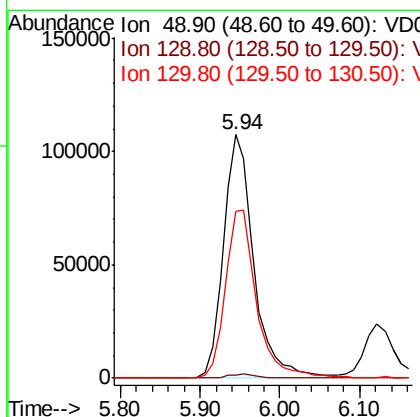
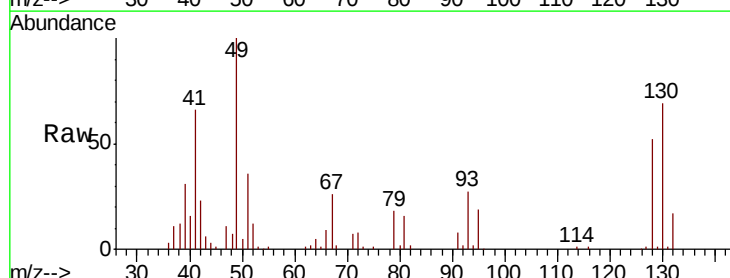
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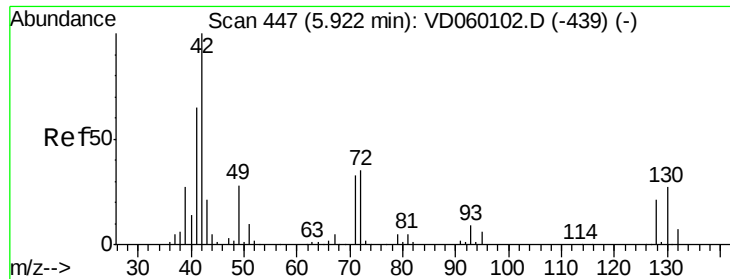


#28

Bromochloromethane
Concen: 22.231 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	68.7	53.9	80.9	





#29

Tetrahydrofuran

Concen: 116.498 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

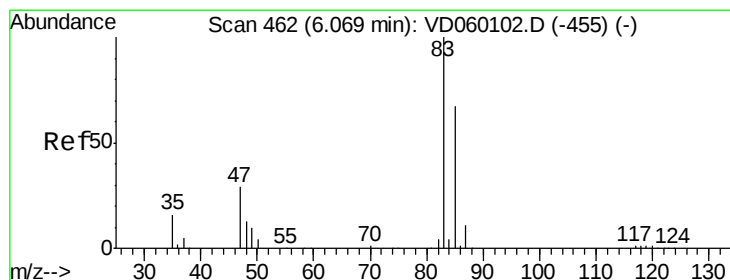
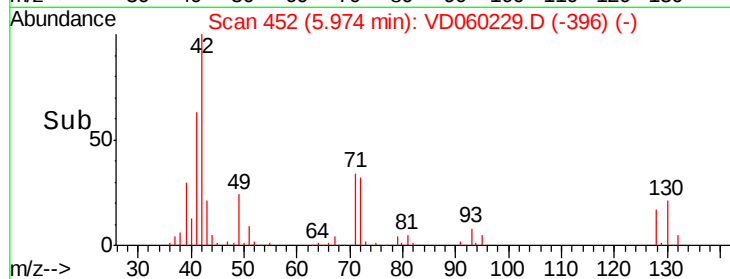
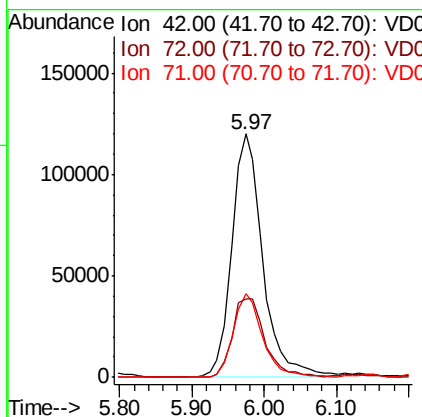
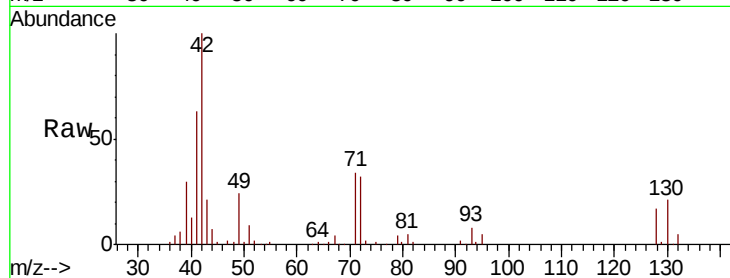
ClientSampleId :

VD1029SBS01

Tot Ion:	42	Resp:	359846
Ion Ratio		Lower	Upper
42	100		
72	34.1	26.9	40.3
71	32.7	26.7	40.1

Manual Integrations
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#30

Chloroform

Concen: 23.981 ug/l

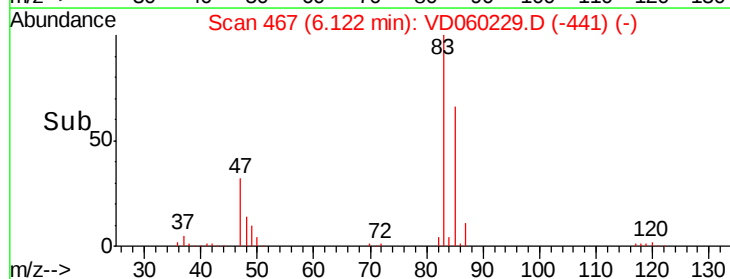
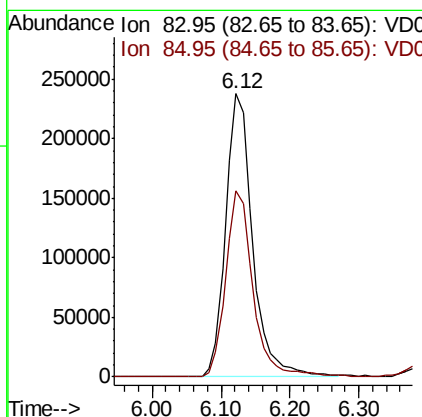
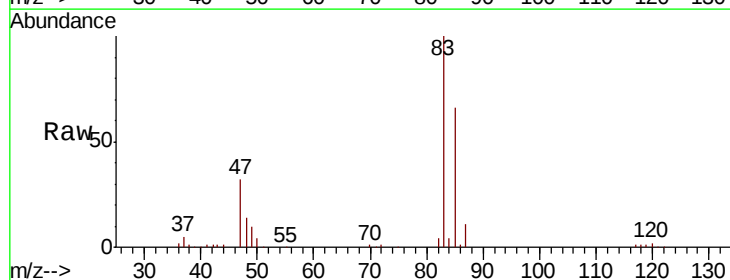
RT: 6.12 min Scan# 467

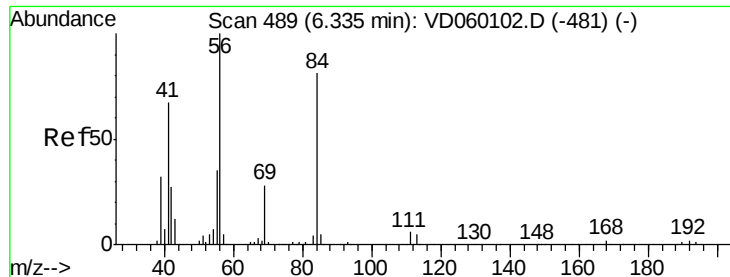
Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion:	83	Resp:	644025
Ion Ratio		Lower	Upper
83	100		
85	65.8	53.8	80.8





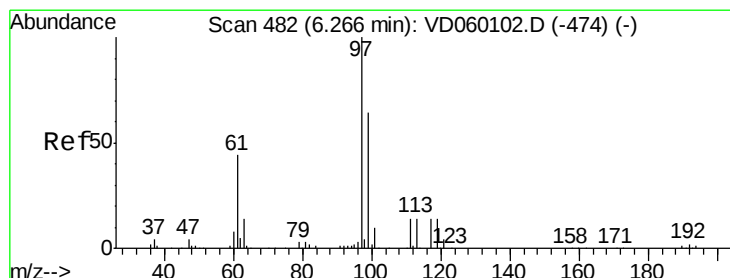
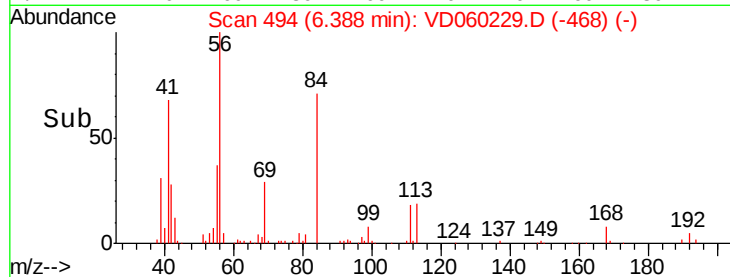
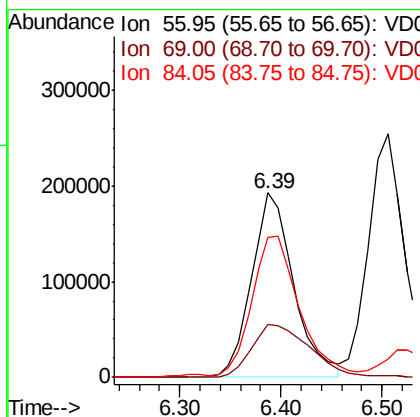
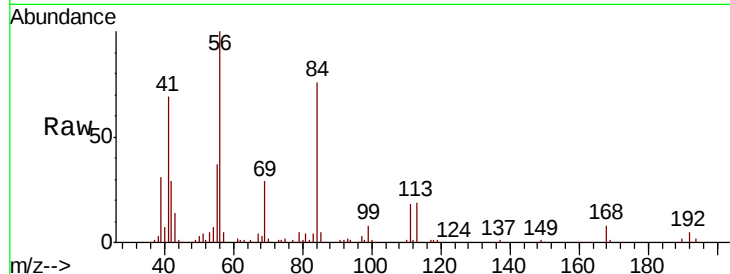
#31
Cyclohexane
Concen: 22.060 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.8	34.2
84	75.6	64.9	97.3

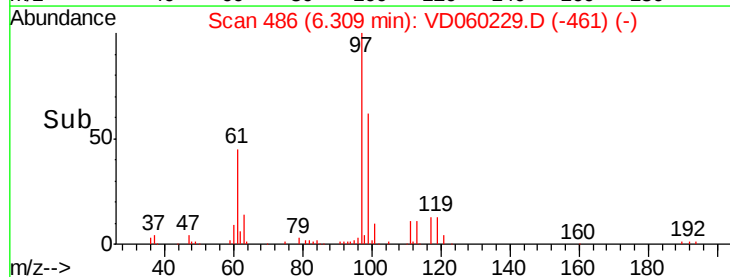
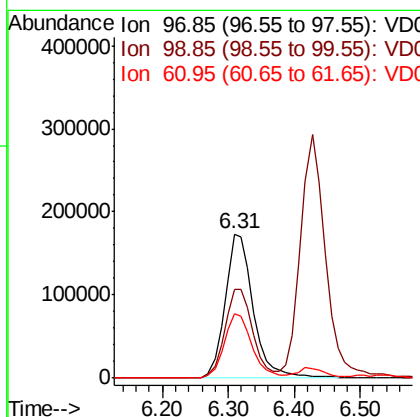
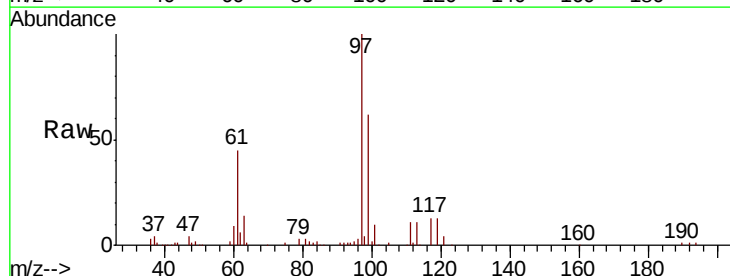
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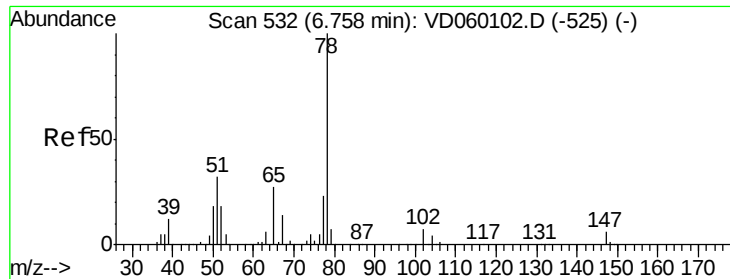
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#32
1,1,1-Trichloroethane
Concen: 23.512 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.4	77.0
61	44.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 23.512 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 65 Resp: 621342

Ion Ratio Lower Upper

65 100

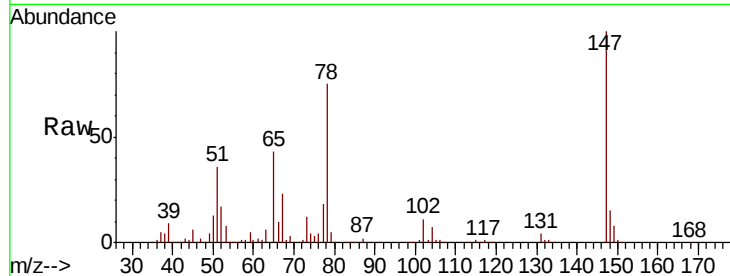
67 54.6 0.0 106.2

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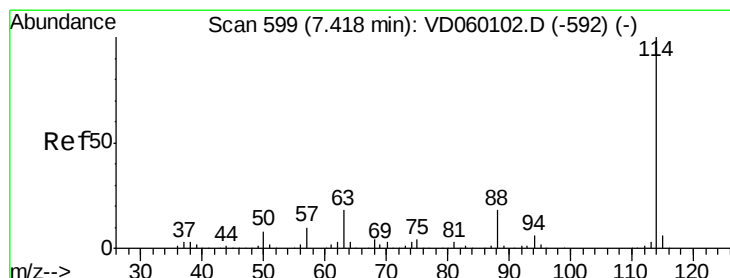
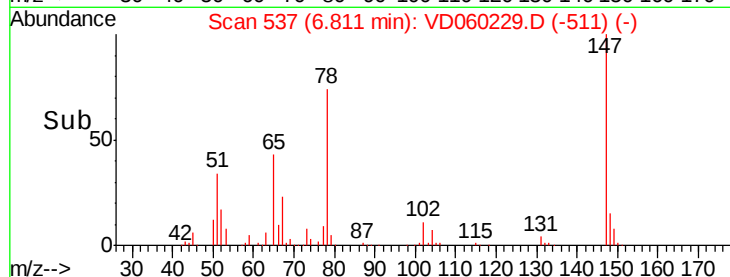
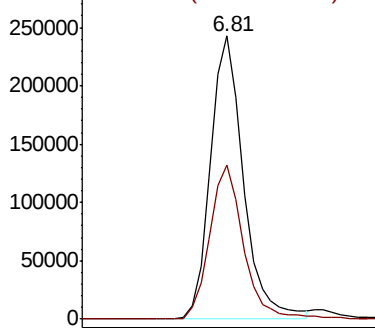
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

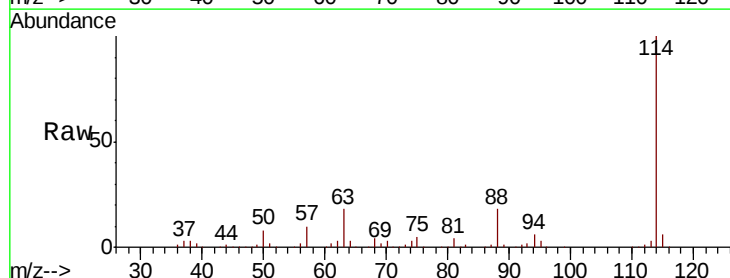
Tgt Ion: 114 Resp: 2088243

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

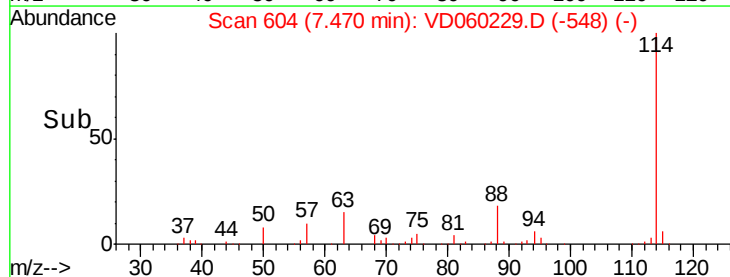
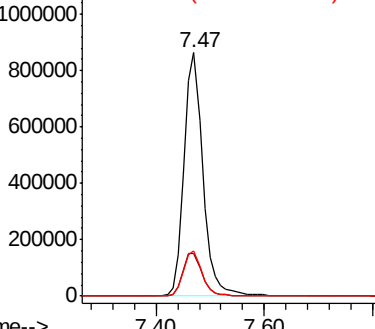
88 18.5 0.0 36.2

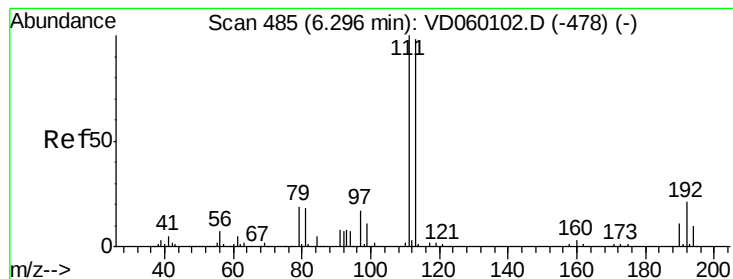


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:113 Resp: 847439

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

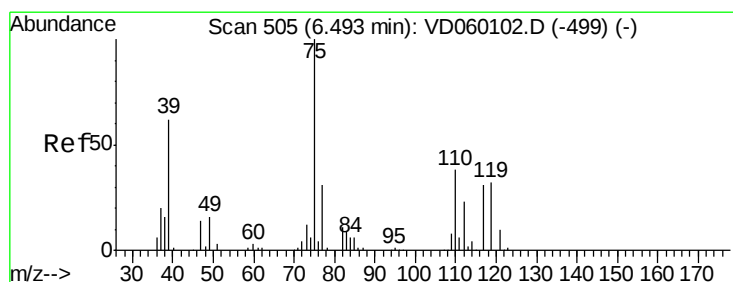
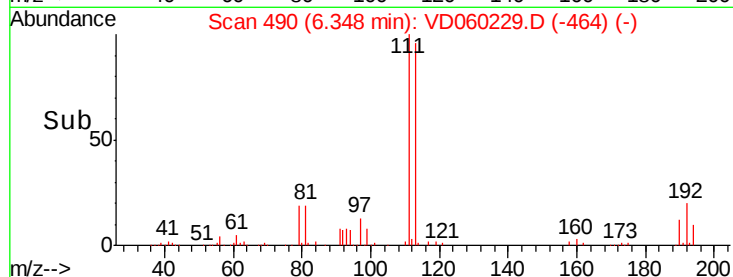
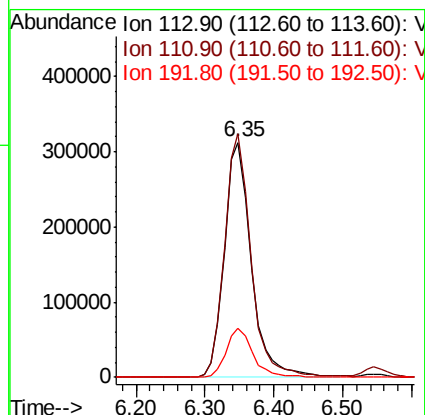
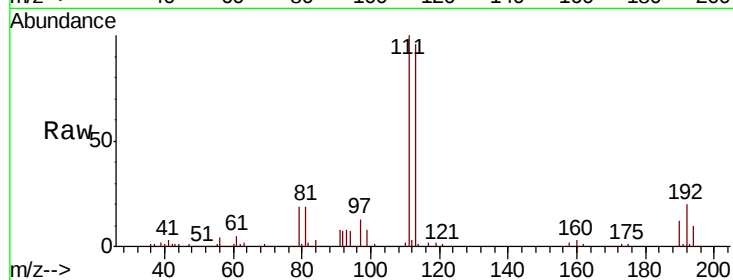
192 20.8 17.4 26.0

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#36

1,1-Dichloropropene

Concen: 24.009 ug/l

RT: 6.55 min Scan# 510

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

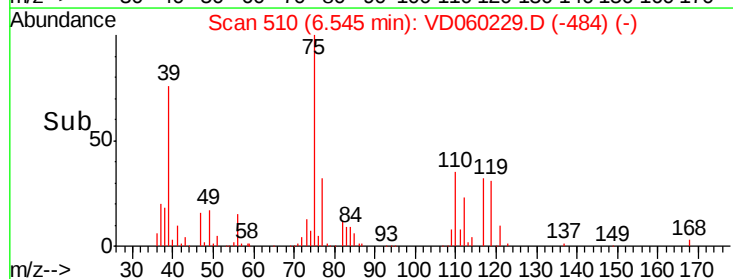
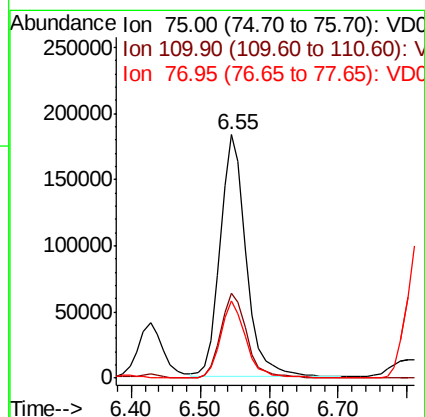
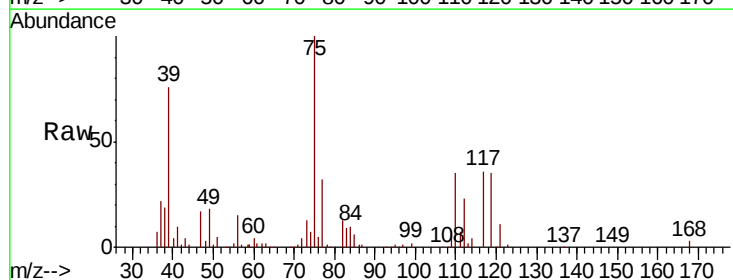
Tgt Ion: 75 Resp: 479106

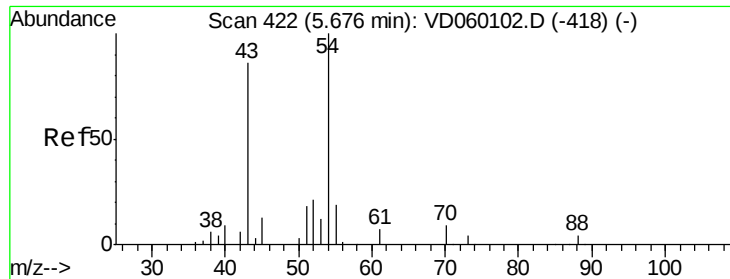
Ion Ratio Lower Upper

75 100

110 34.9 19.0 57.0

77 31.8 24.9 37.3





#37

Ethyl Acetate

Concen: 23.312 ug/l

RT: 5.72 min Scan# 426

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 308778

Ion Ratio Lower Upper

43 100

61 14.2 10.5 15.7

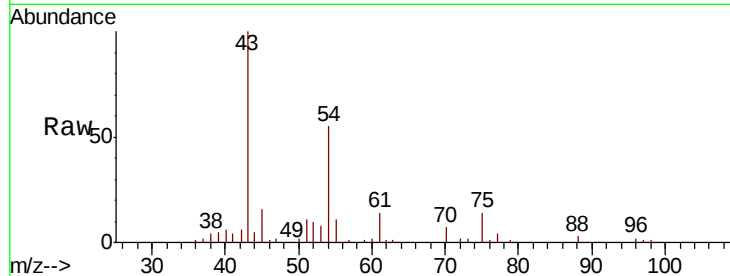
70 7.5 6.3 9.5

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Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 60.95 (60.65 to 61.65): VD0

Ion 70.00 (69.70 to 70.70): VD0

300000

250000

200000

150000

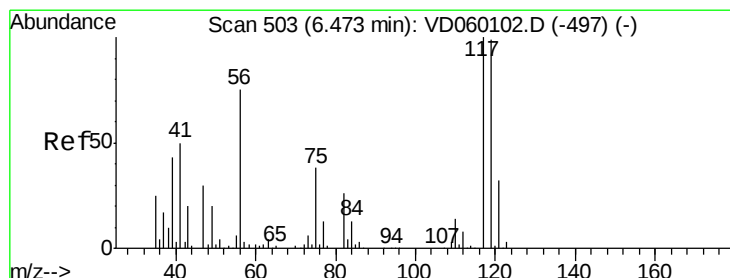
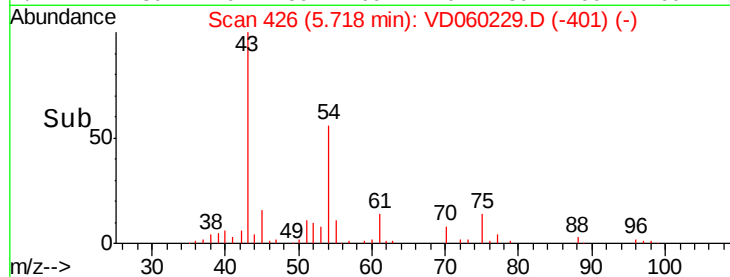
100000

50000

0

5.70 5.80 5.90

Time-->



#38

Carbon Tetrachloride

Concen: 24.102 ug/l

RT: 6.53 min Scan# 508

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

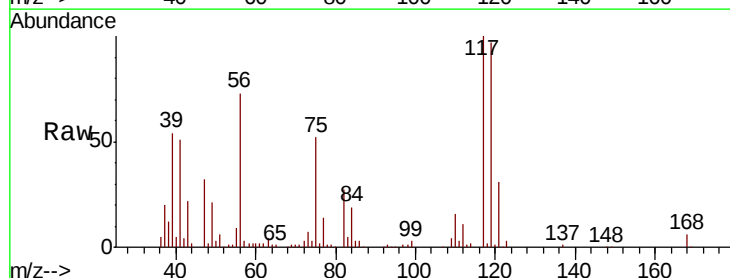
Tgt Ion: 117 Resp: 436528

Ion Ratio Lower Upper

117 100

119 97.0 77.8 116.6

121 30.7 24.8 37.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

200000

150000

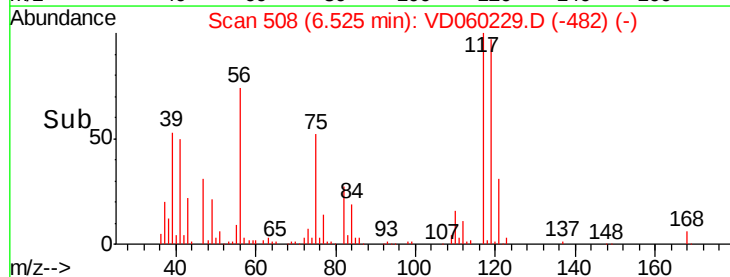
100000

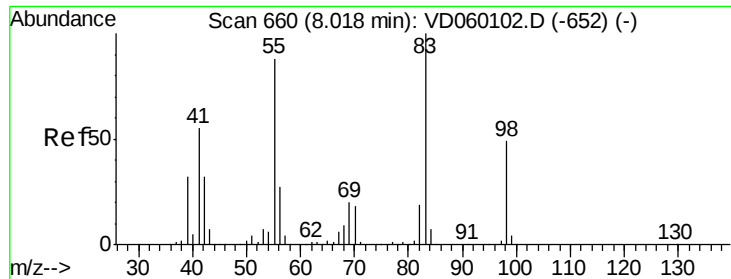
50000

0

6.40 6.50 6.60 6.70

Time-->





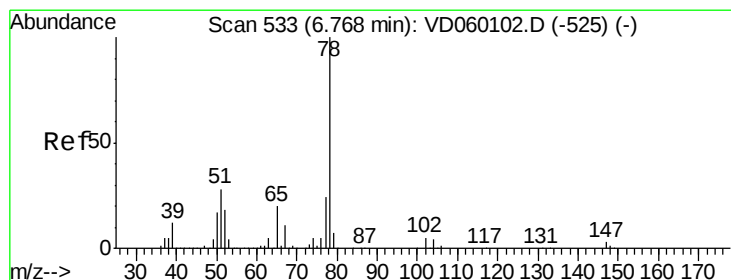
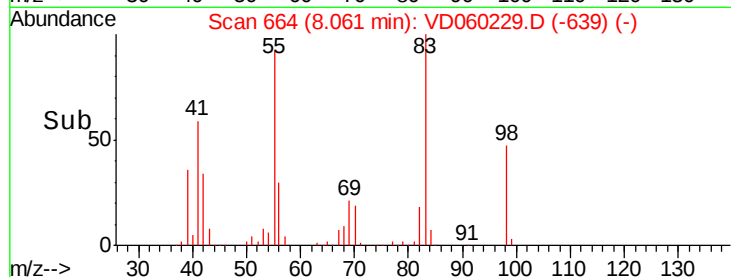
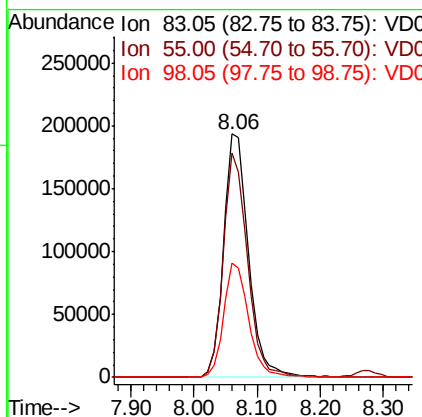
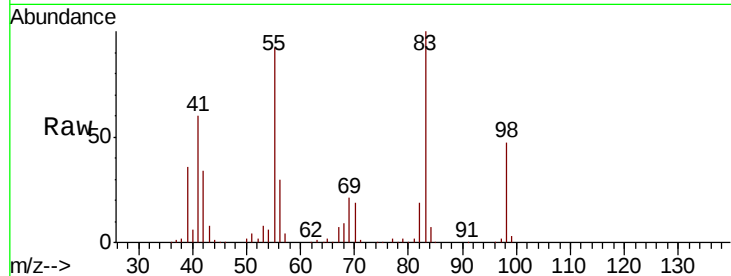
#39
Methvlcvclohexane
Concen: 23.347 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 83 Resp: 529349
Ion Ratio Lower Upper
83 100
55 92.3 70.5 105.7
98 46.8 39.4 59.2

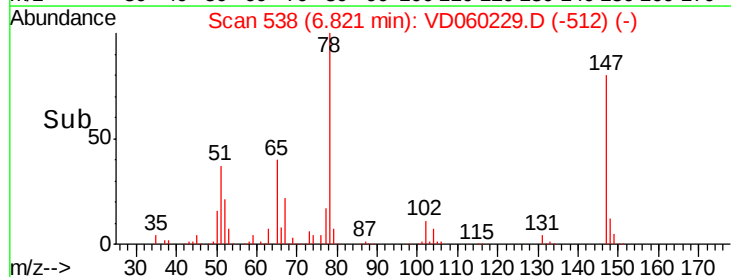
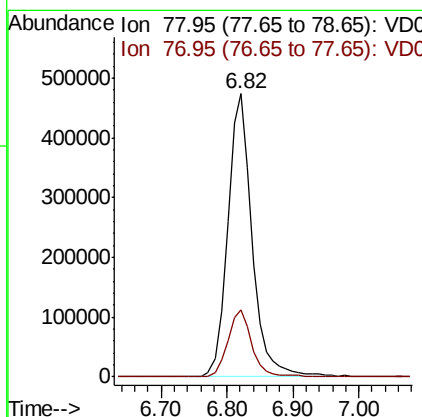
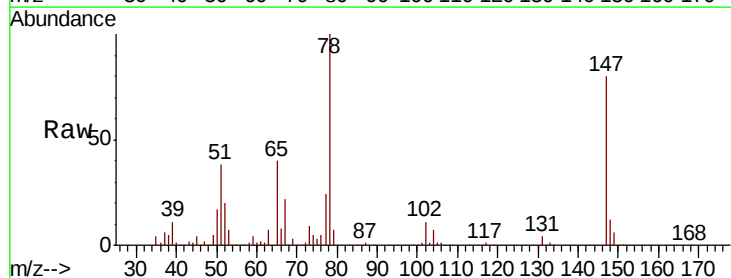
Manual Integrations
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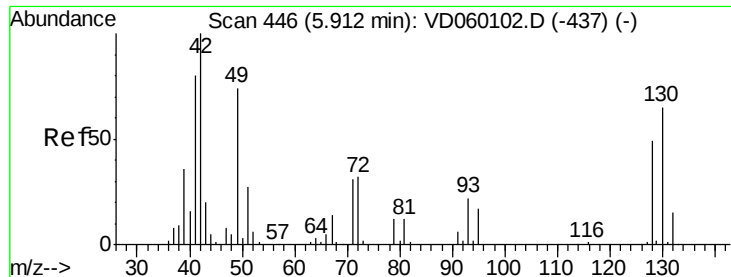
apatel
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#40
Benzene
Concen: 23.464 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 78 Resp: 1224958
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 22.601 ug/l m

RT: 5.95 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 41 Resp: 169201

Ion Ratio Lower Upper

41 100

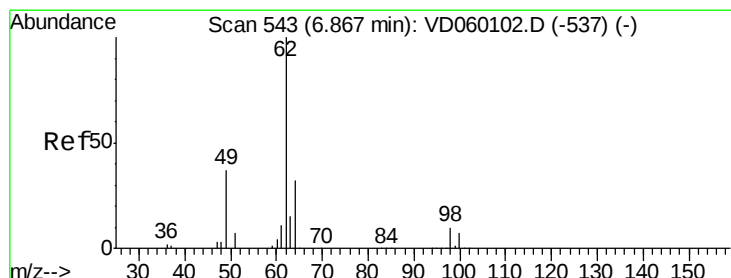
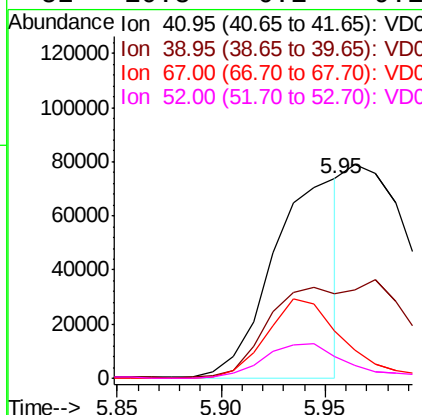
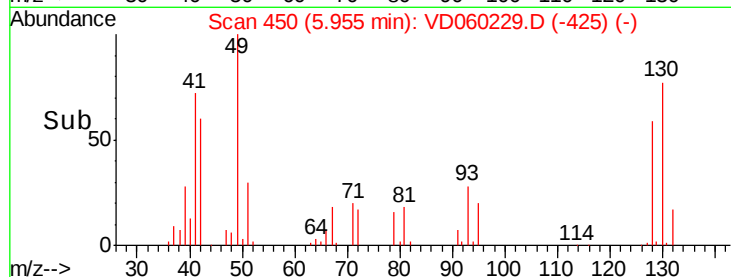
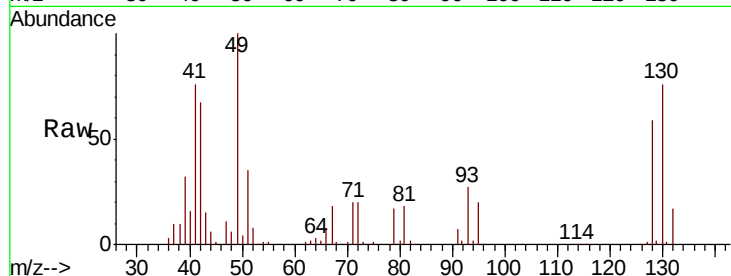
39 42.4 36.0 54.0

67 24.0 13.9 20.9#

52 10.8 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.804 ug/l

RT: 6.92 min Scan# 548

Delta R.T. 0.05 min

Lab File: VD060229.D

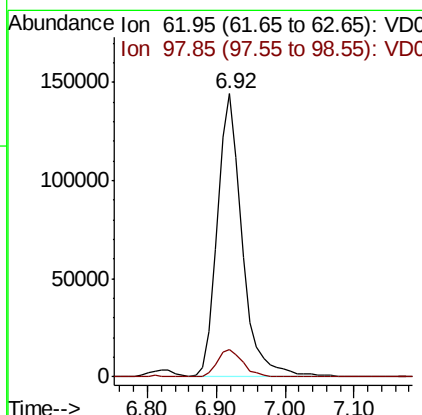
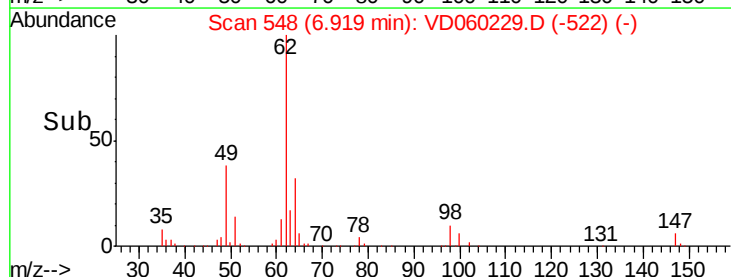
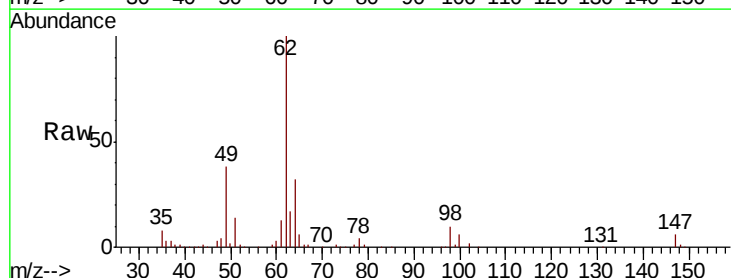
Acq: 29 Oct 2018 15:17

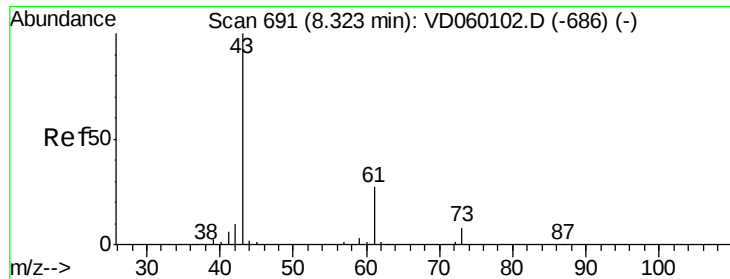
Tgt Ion: 62 Resp: 356276

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.6





#43

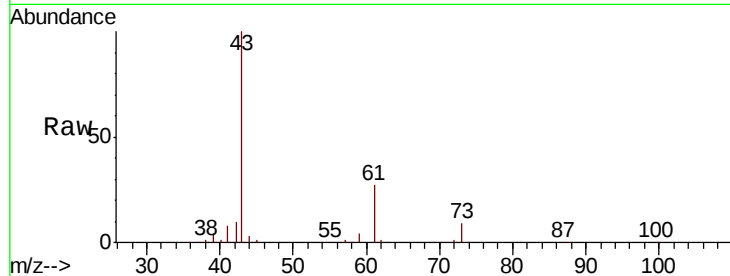
Isopropyl Acetate
 Concen: 22.685 ug/l
 RT: 8.38 min Scan# 696
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1029SBS01

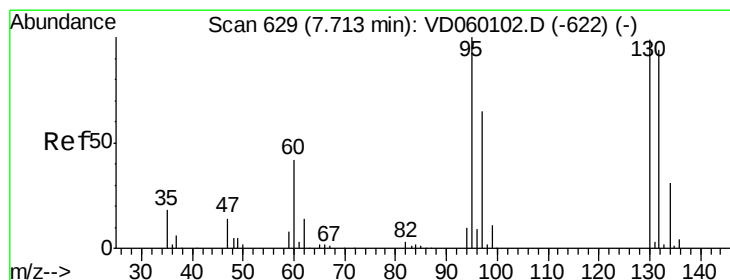
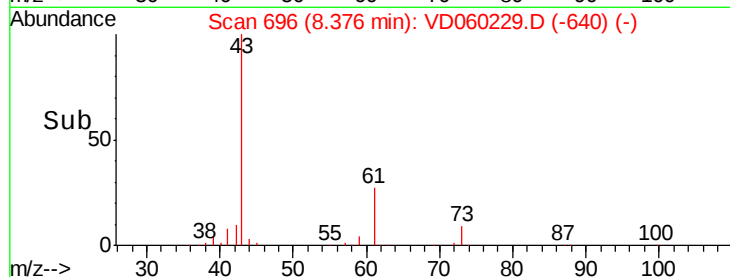
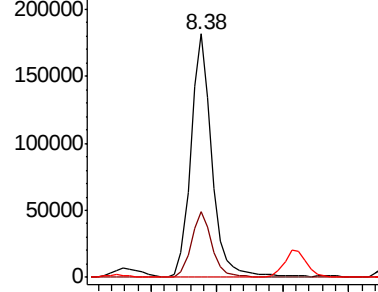
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2
87	0.2	0.2	0.2

Manual Integrations
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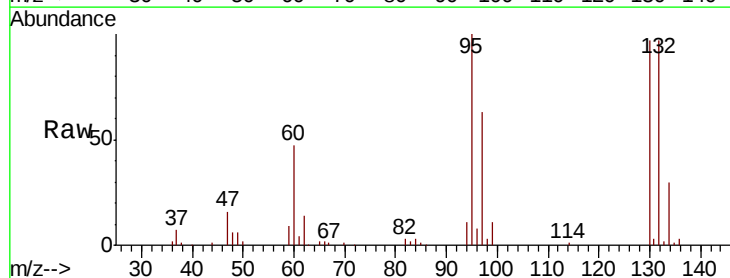
Abundance Ion 42.95 (42.65 to 43.65): VD060102.D (-686) (-)
 Ion 60.95 (60.65 to 61.65): VD060102.D (-686) (-)
 Ion 87.00 (86.70 to 87.70): VD060102.D (-686) (-)



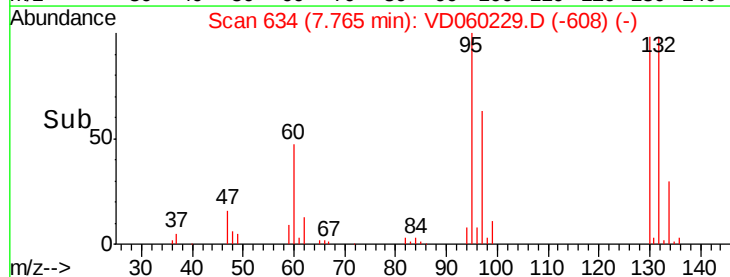
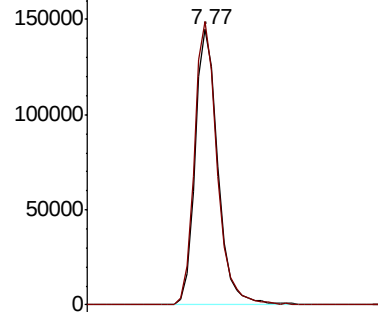
#44

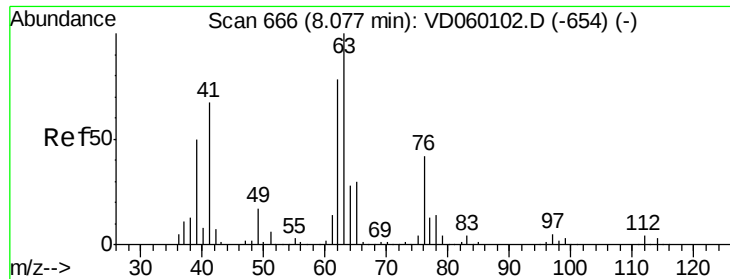
Trichloroethene
 Concen: 22.461 ug/l
 RT: 7.77 min Scan# 634
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): VD060229.D (-608) (-)
 Ion 94.90 (94.60 to 95.60): VD060229.D (-608) (-)





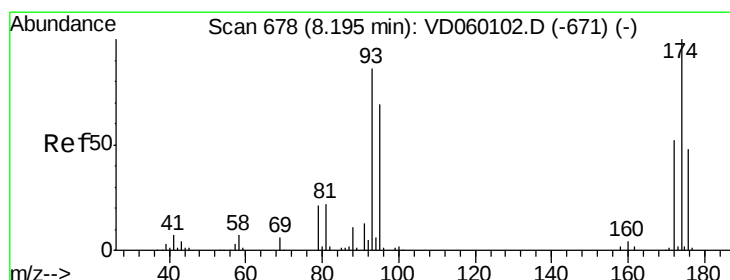
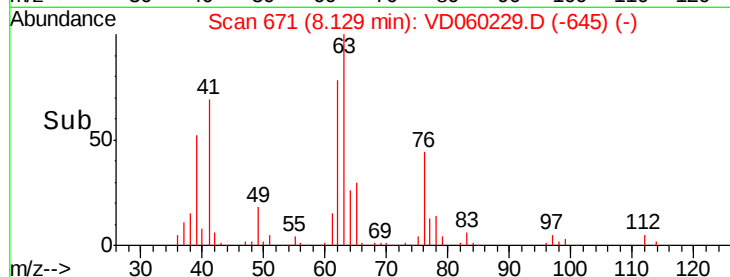
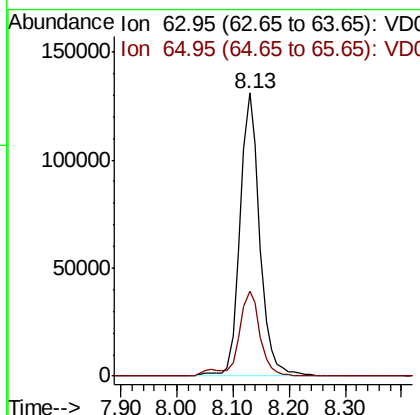
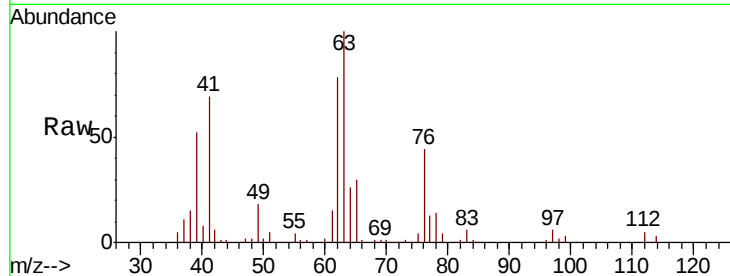
#45
 1,2-Dichloropropane
 Concen: 23.493 ug/l
 RT: 8.13 min Scan# 671
 Delta R.T. 0.05 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.1	36.1

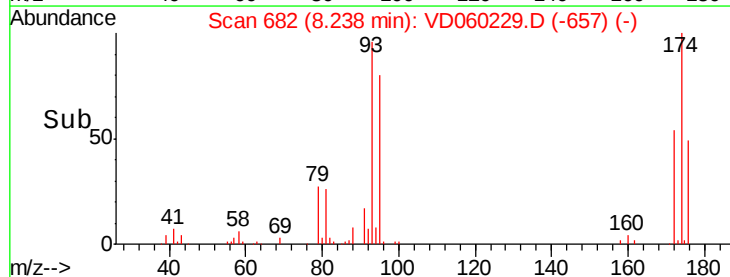
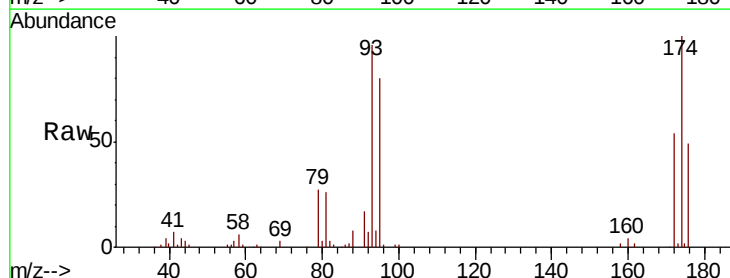
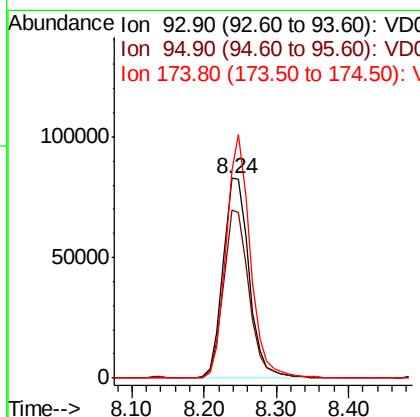
Manual Integrations
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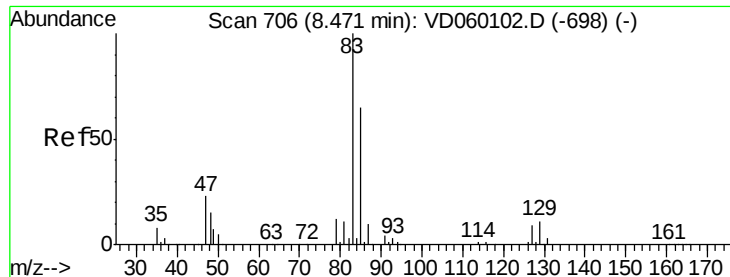
apatel
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#46
 Dibromomethane
 Concen: 23.410 ug/l
 RT: 8.24 min Scan# 682
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	63.8	95.6
174	104.2	92.9	139.3





#47

Bromodichloromethane

Concen: 24.526 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

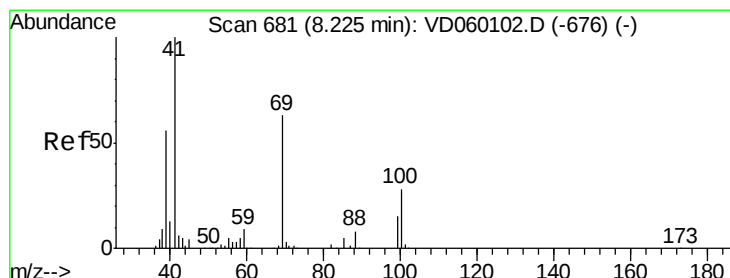
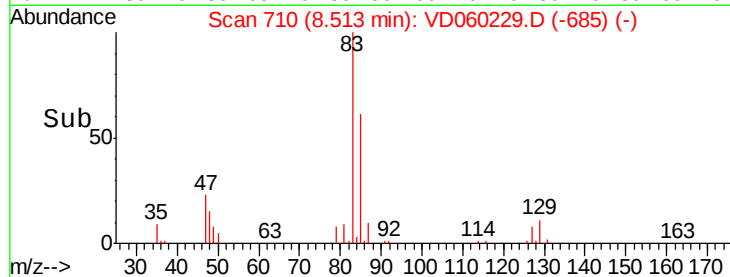
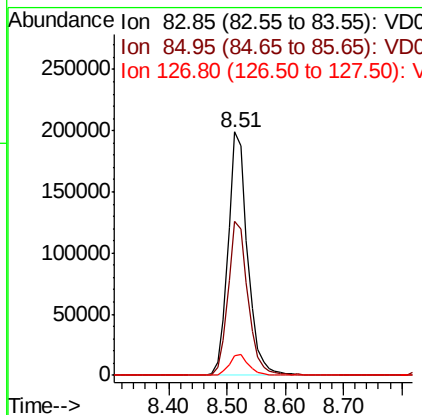
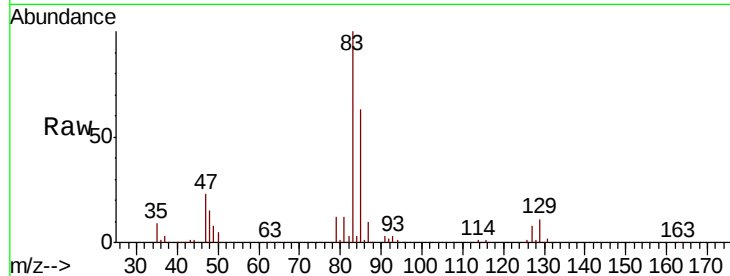
ClientSampleId :

VD1029SBS01

Tot Ion:	83	Resp:	462475
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2
127	8.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 23.712 ug/l

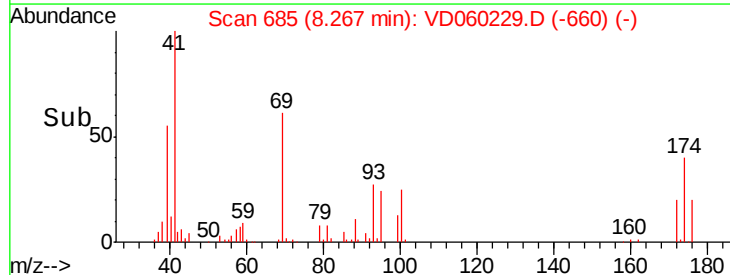
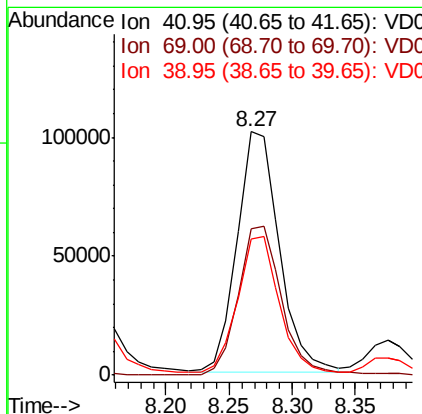
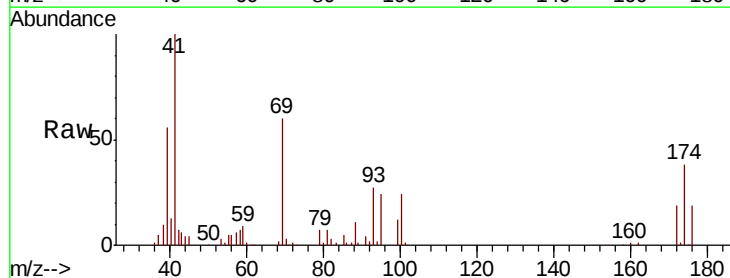
RT: 8.27 min Scan# 685

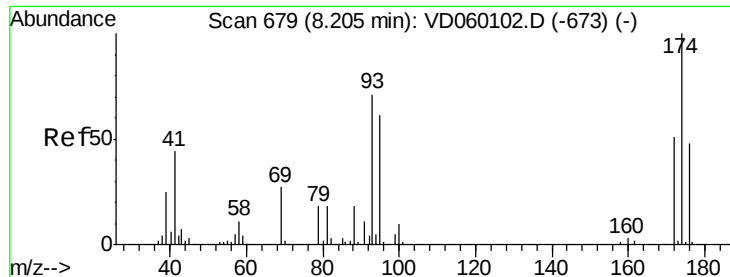
Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion:	41	Resp:	235362
Ion	Ratio	Lower	Upper
41	100		
69	59.9	49.7	74.5
39	55.8	45.2	67.8





#49

1,4-Dioxane

Concen: 448.479 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

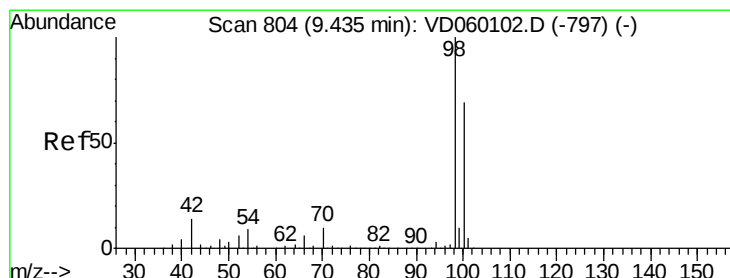
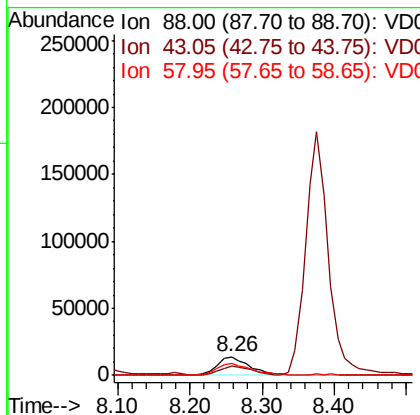
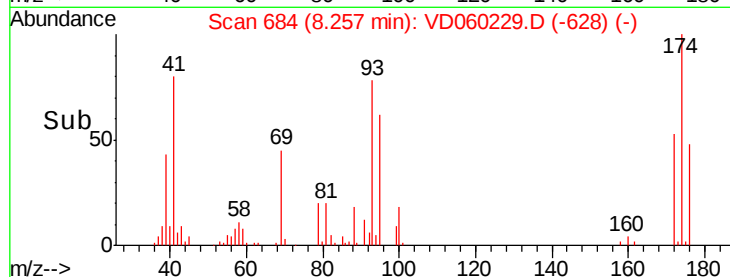
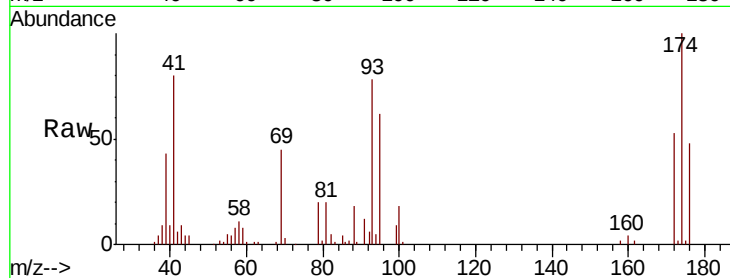
ClientSampleId :

VD1029SBS01

Tot Ion	88	Resp	43800
Ion	Ratio	Lower	Upper
88	100		
43	47.6	33.7	50.5
58	62.1	49.1	73.7

Manual Integrations
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#50

Toluene-d8

Concen: 448.479 ug/l

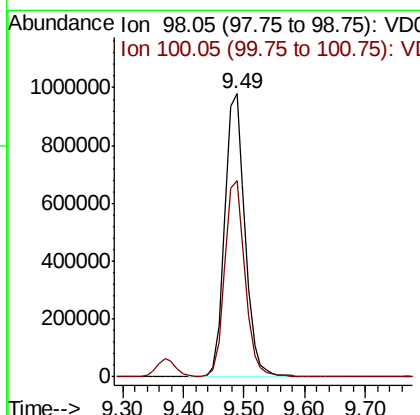
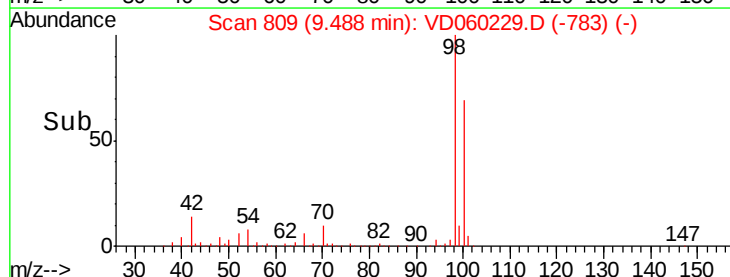
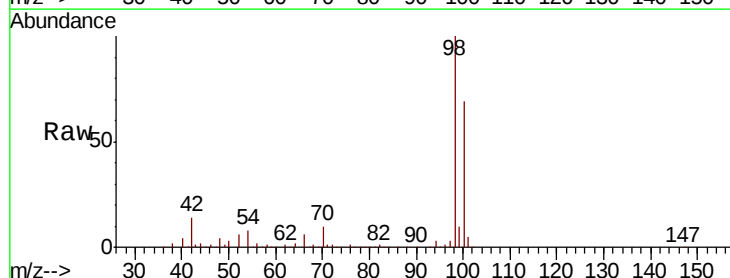
RT: 9.49 min Scan# 809

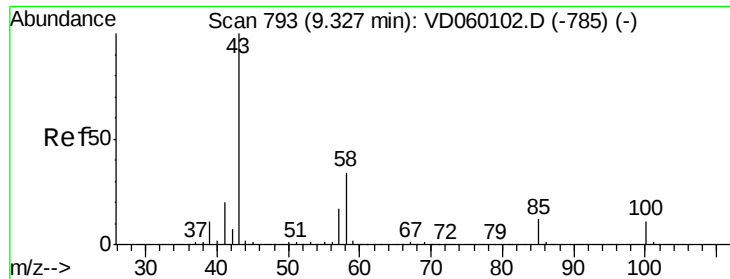
Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion	98	Resp	2272543
Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 123.979 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 1362642

Ion Ratio Lower Upper

43 100

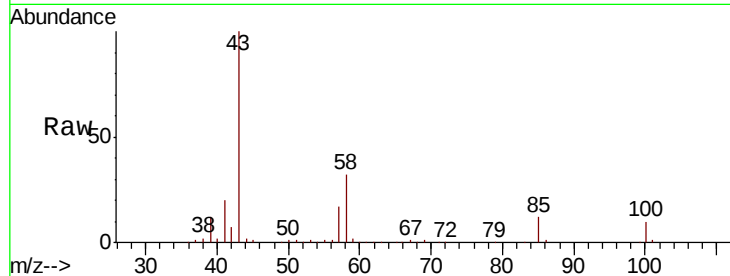
58 32.5 27.2 40.8

Manual Integrations

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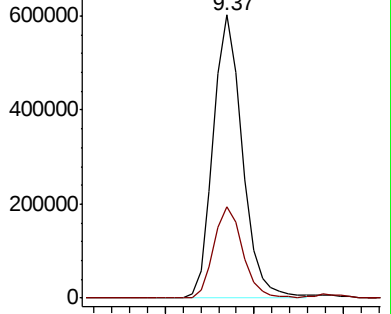
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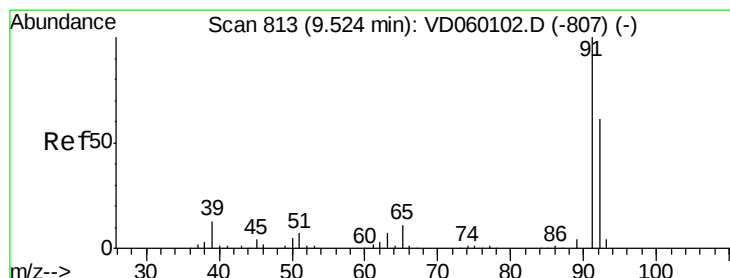
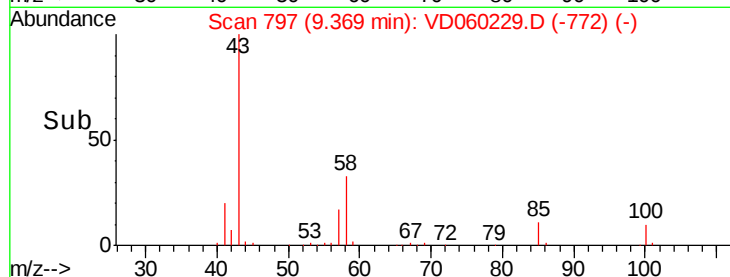


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 23.887 ug/l

RT: 9.58 min Scan# 818

Delta R.T. 0.05 min

Lab File: VD060229.D

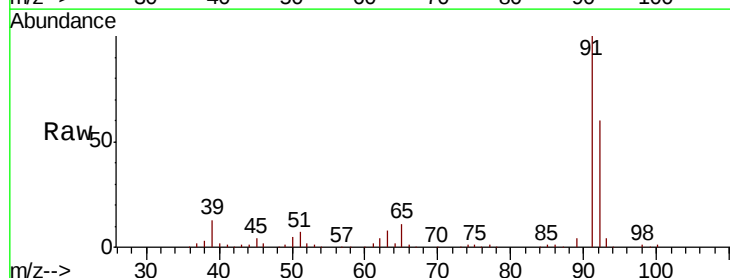
Acq: 29 Oct 2018 15:17

Tgt Ion: 92 Resp: 803118

Ion Ratio Lower Upper

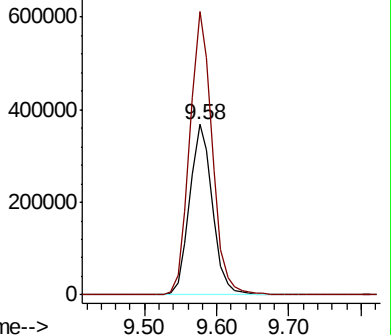
92 100

91 166.2 131.9 197.9

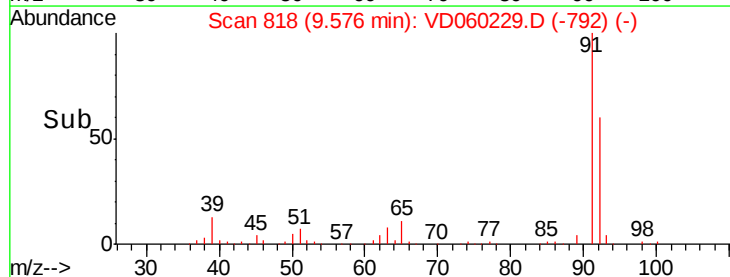


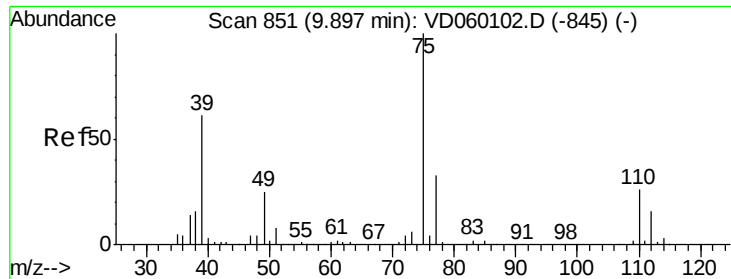
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 23.783 ug/l

RT: 9.95 min Scan# 856

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tot Ion: 75 Resp: 405794

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

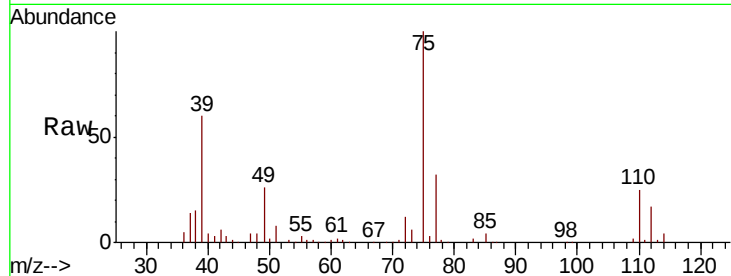
VD1029SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.95

200000

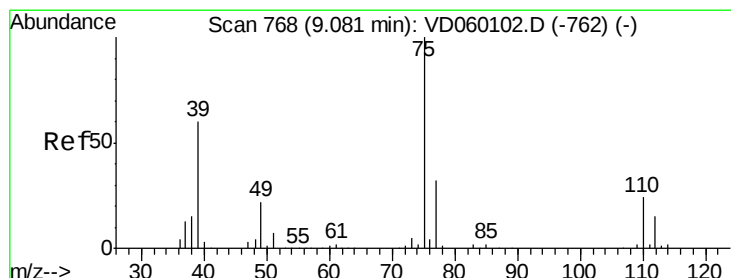
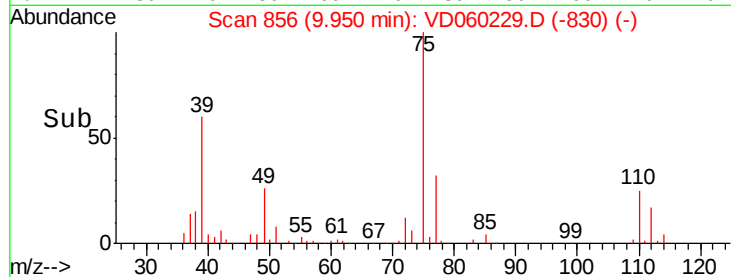
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 24.044 ug/l

RT: 9.13 min Scan# 773

Delta R.T. 0.05 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

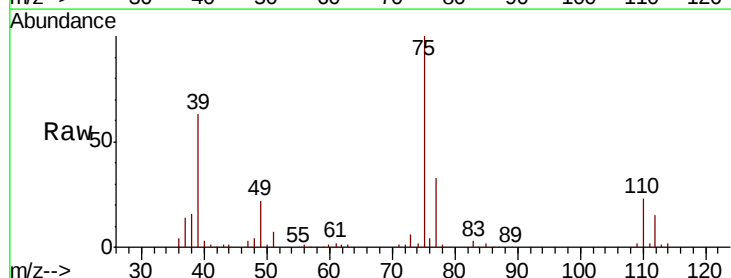
Tgt Ion: 75 Resp: 506605

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

39 62.8 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

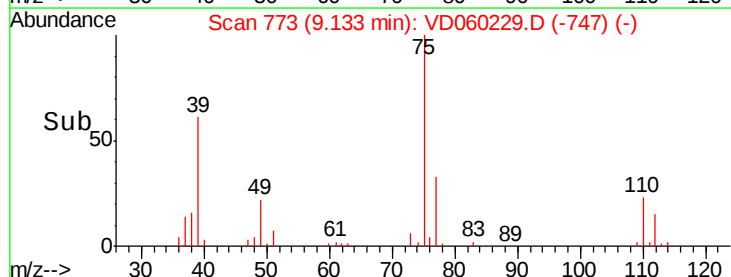
150000

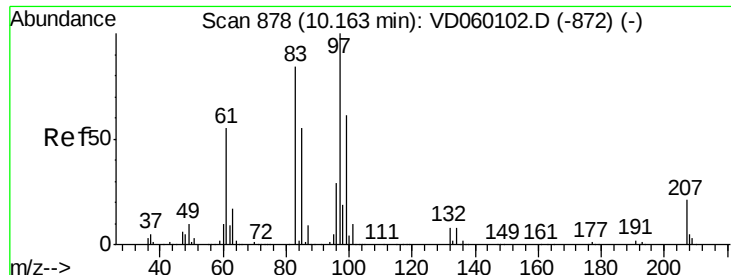
100000

50000

0

Time-->





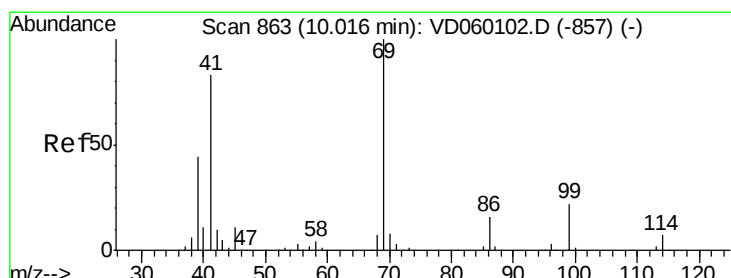
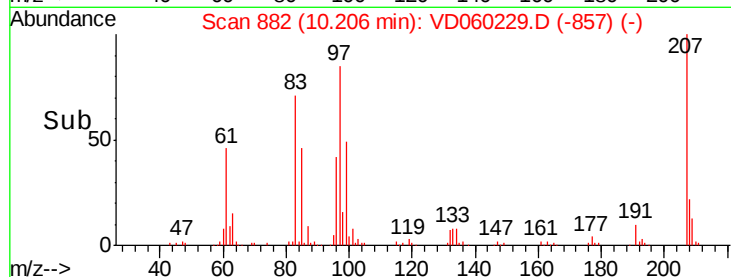
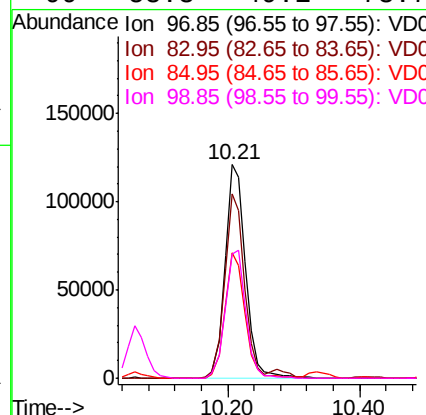
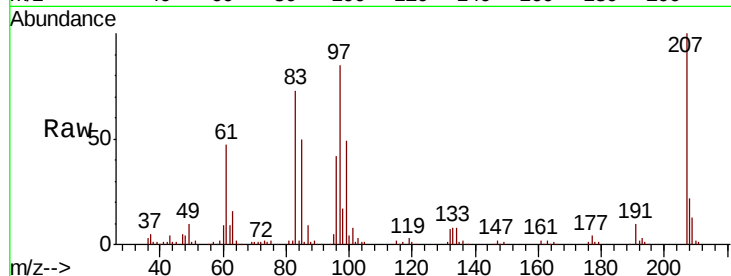
#55
 1,1,2-Trichloroethane
 Concen: 23.867 ug/l
 RT: 10.21 min Scan# 882
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	97	Resp	262340
Ion Ratio	Lower	Upper	
97	100		
83	86.5	67.0	100.6
85	59.0	43.9	65.9
99	58.3	49.1	73.7

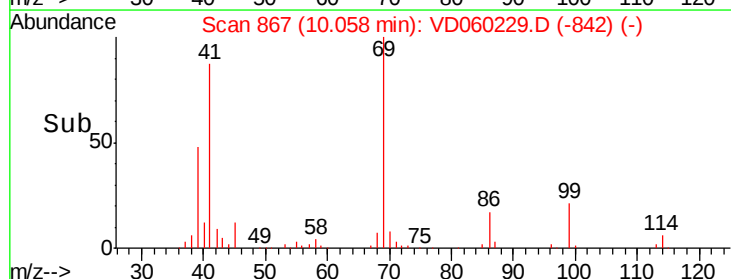
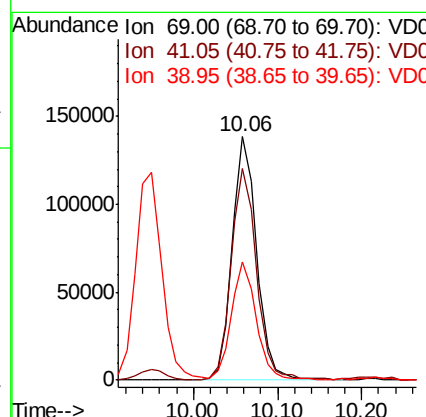
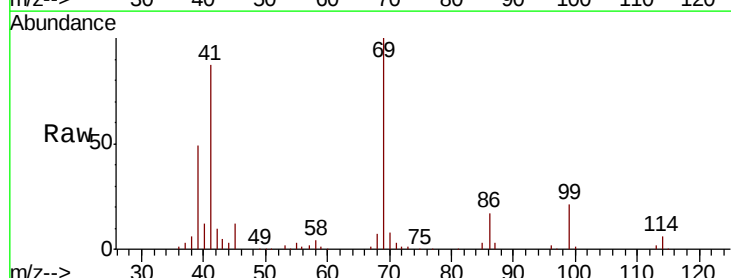
Manual Integrations
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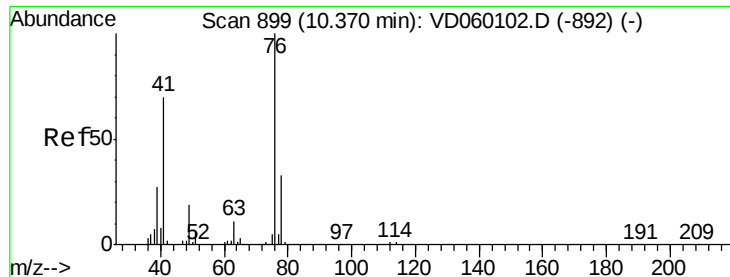
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#56
 Ethyl methacrylate
 Concen: 23.140 ug/l
 RT: 10.06 min Scan# 867
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	69	Resp	280759
Ion Ratio	Lower	Upper	
69	100		
41	87.1	66.6	100.0
39	48.6	36.0	54.0





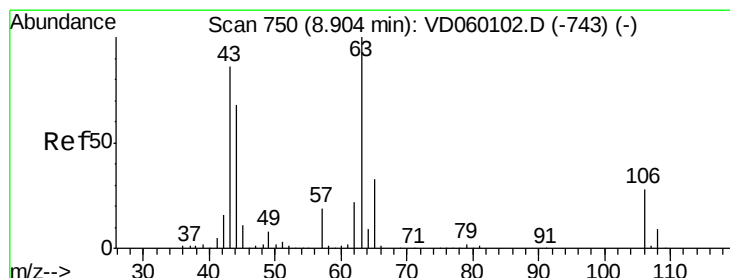
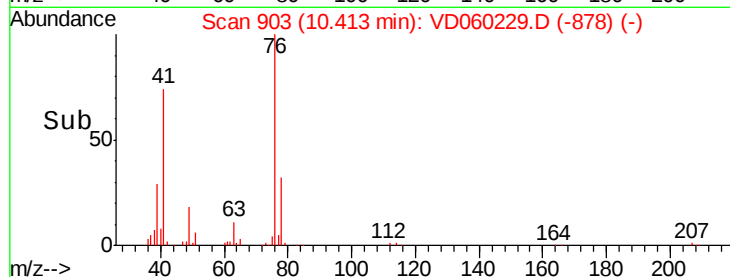
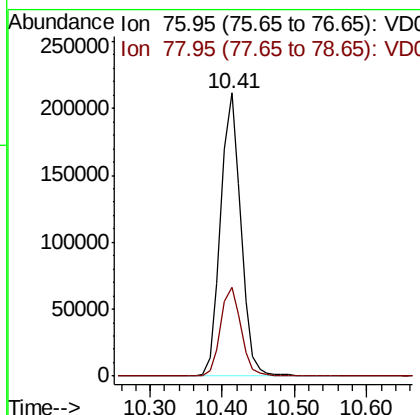
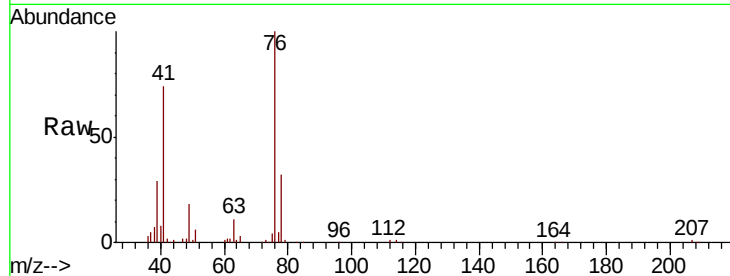
#57
 1,3-Dichloropropane
 Concen: 24.417 ug/l
 RT: 10.41 min Scan# 903
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 76 Resp: 409308
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2

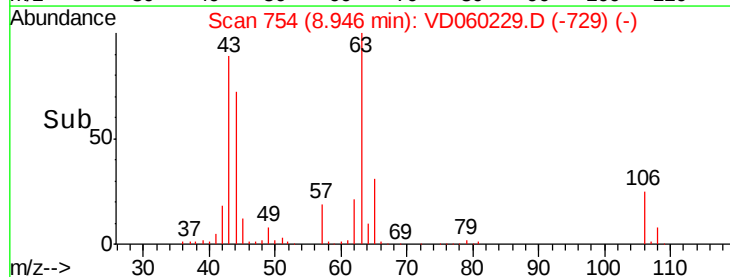
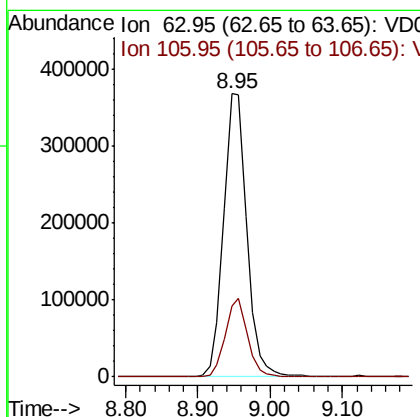
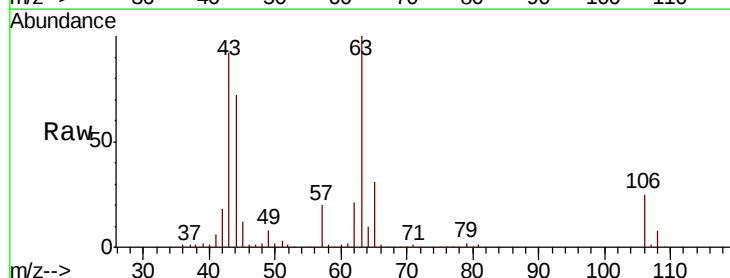
Manual Integrations
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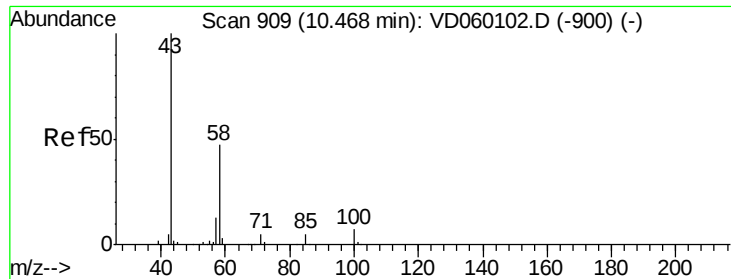
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#58
 2-Chloroethyl Vinyl ether
 Concen: 122.246 ug/l
 RT: 8.95 min Scan# 754
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion: 63 Resp: 823645
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.6 34.0





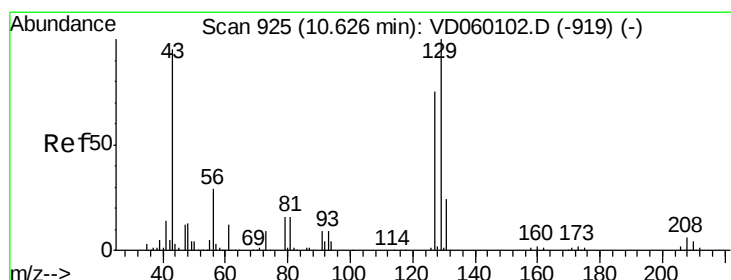
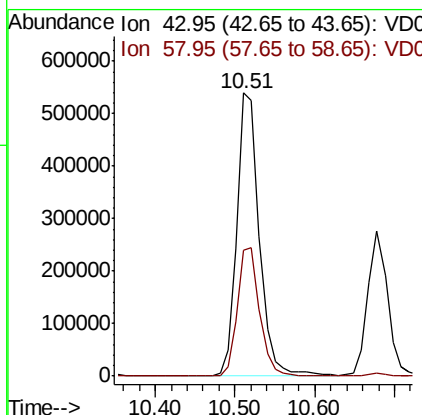
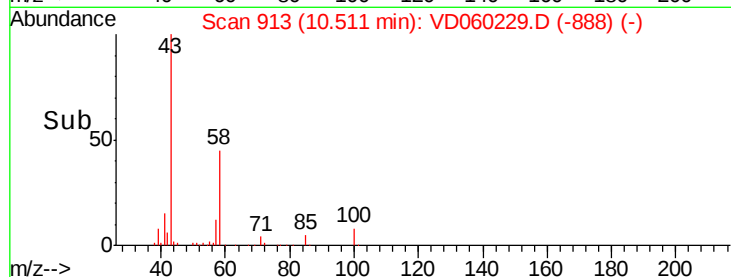
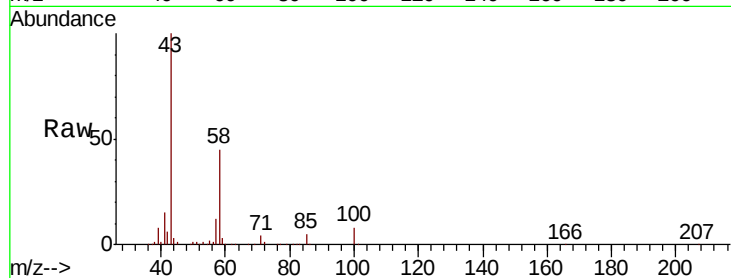
#59
2-Hexanone
Concen: 134.653 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 43 Resp: 1064212
Ion Ratio Lower Upper
43 100
58 44.6 23.3 69.9

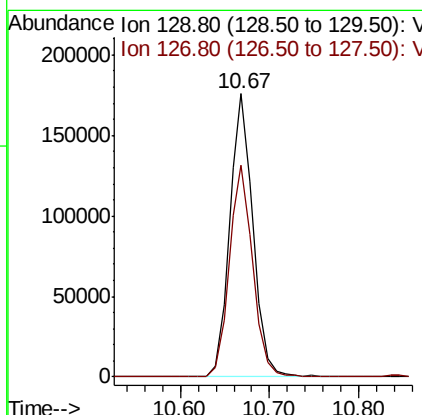
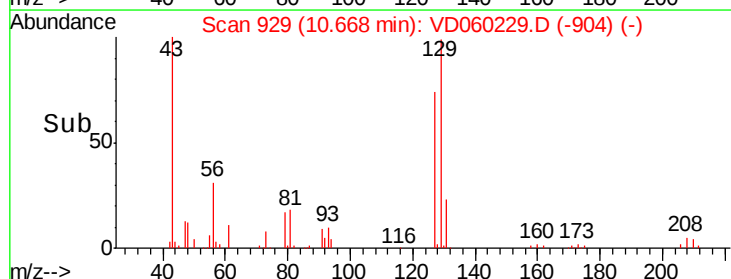
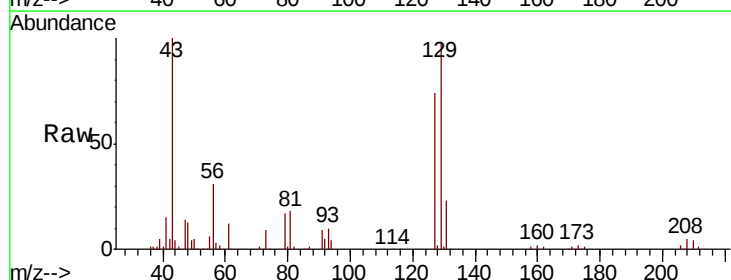
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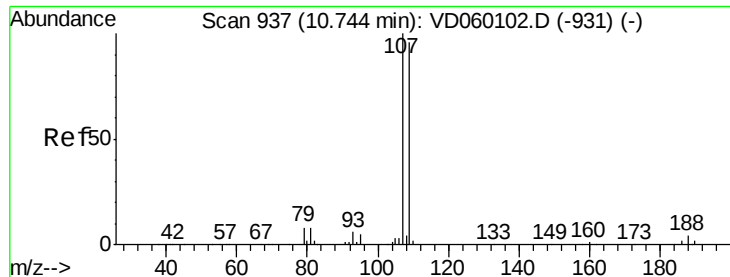
apatel
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#60
Dibromochloromethane
Concen: 23.807 ug/l
RT: 10.67 min Scan# 929
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 129 Resp: 321058
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.294 ug/l

RT: 10.79 min Scan# 941

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:107 Resp: 272041

Ion Ratio Lower Upper

107 100

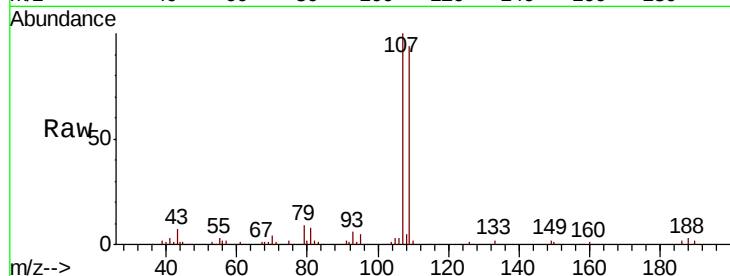
109 93.6 77.1 115.7

Manual Integrations

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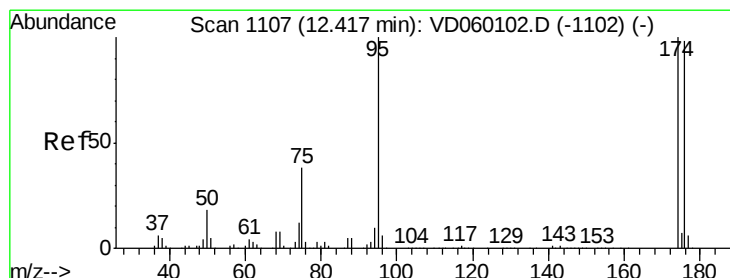
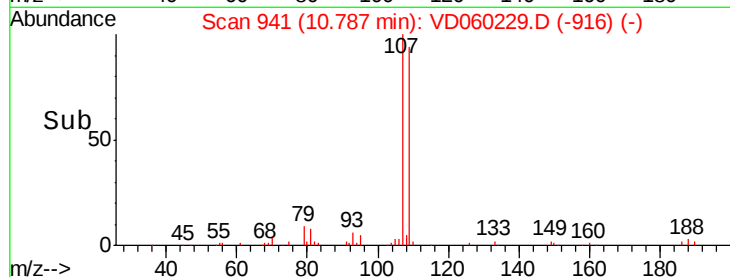
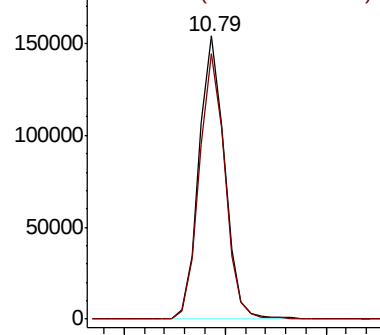
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 23.294 ug/l

RT: 12.45 min Scan# 1110

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

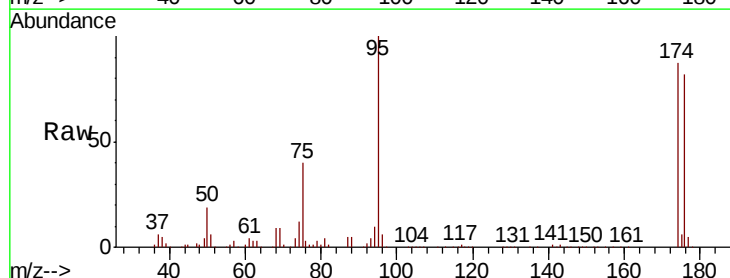
Tgt Ion: 95 Resp: 878614

Ion Ratio Lower Upper

95 100

174 86.6 0.0 200.2

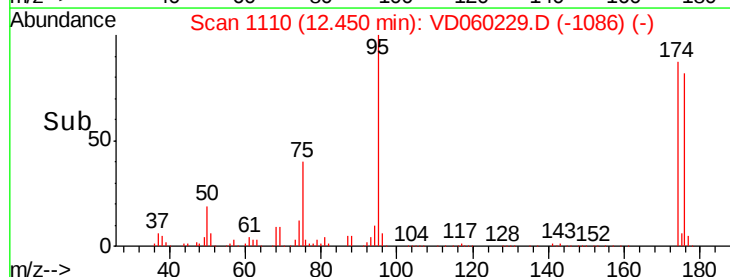
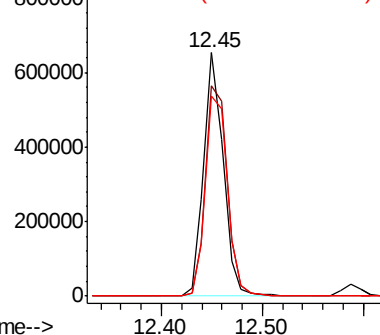
176 82.2 0.0 195.6

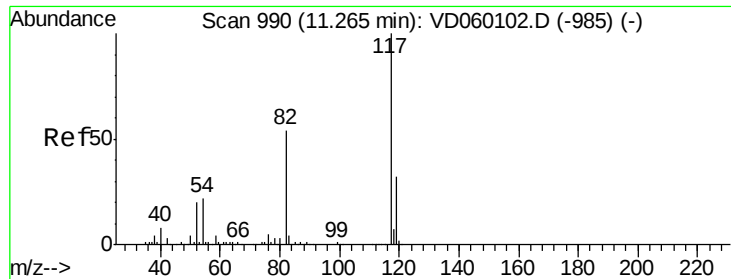


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





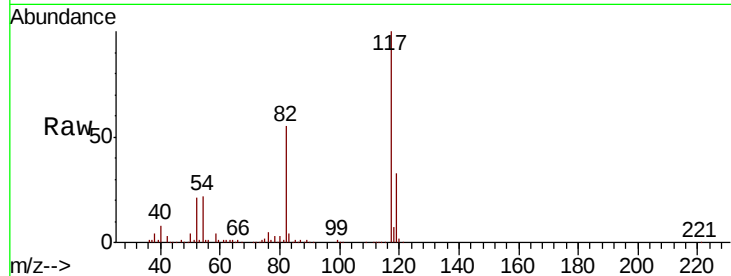
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

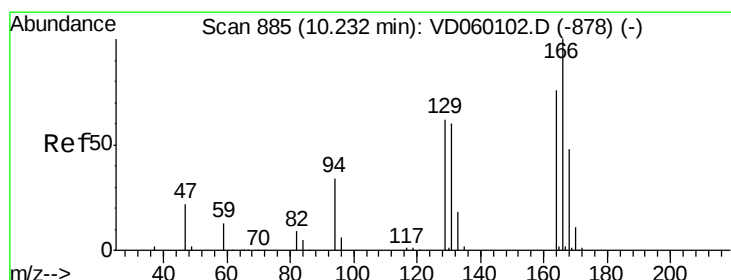
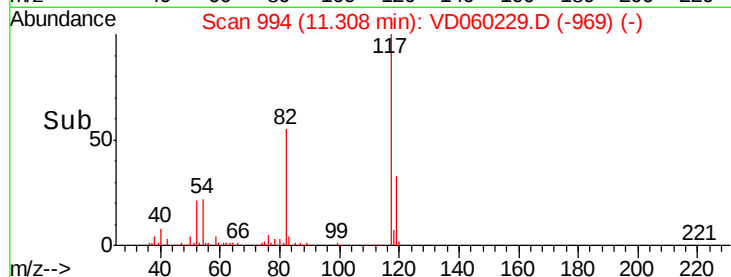
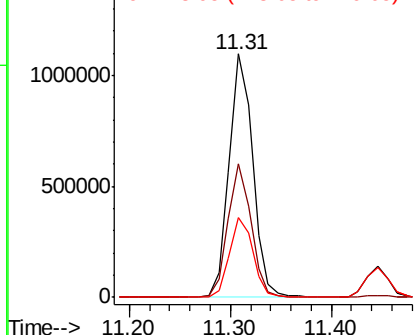
Tot Ion:117 Resp: 1781899
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 32.6 26.0 39.0

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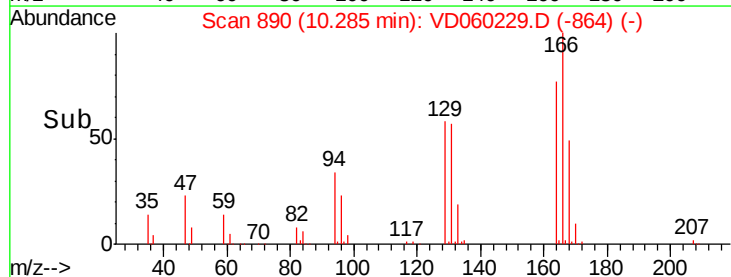
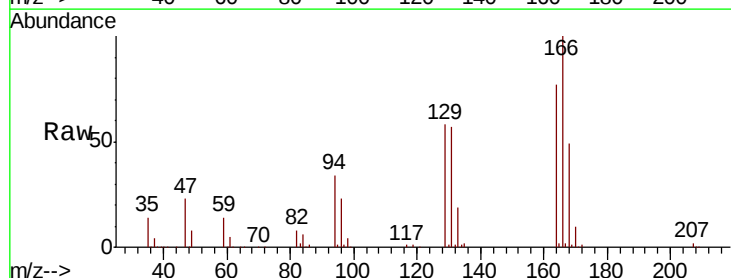
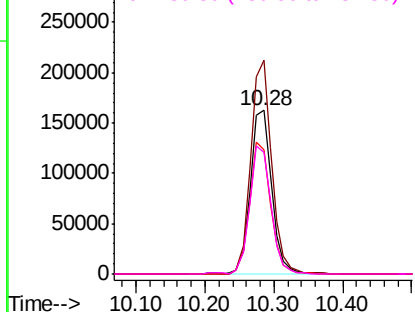
Abundance Ion 116.95 (116.65 to 117.65): V
1500000
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

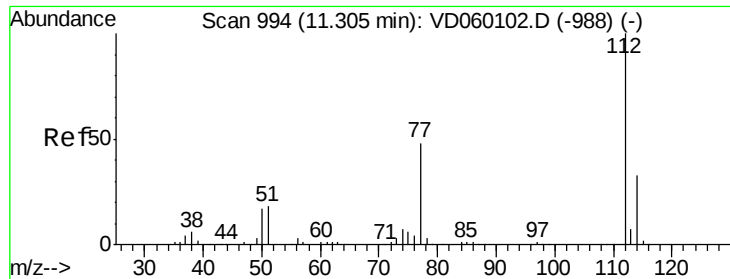


#64
Tetrachloroethene
Concen: 22.401 ug/l
RT: 10.28 min Scan# 890
Delta R.T. 0.05 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:164 Resp: 349612
Ion Ratio Lower Upper
164 100
166 130.7 105.4 158.0
129 75.7 65.7 98.5
131 74.4 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





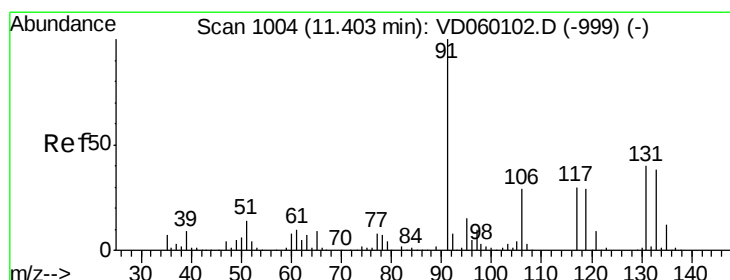
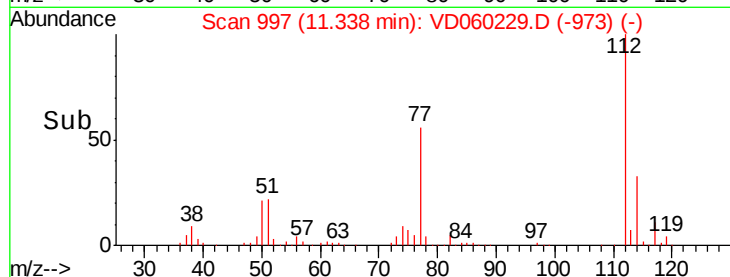
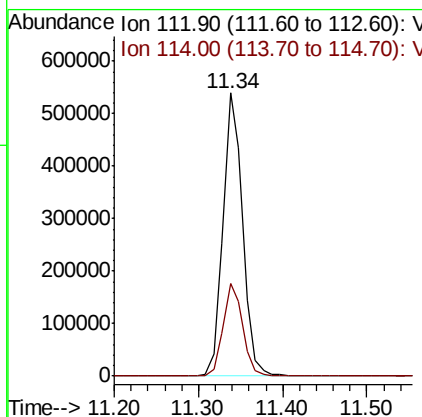
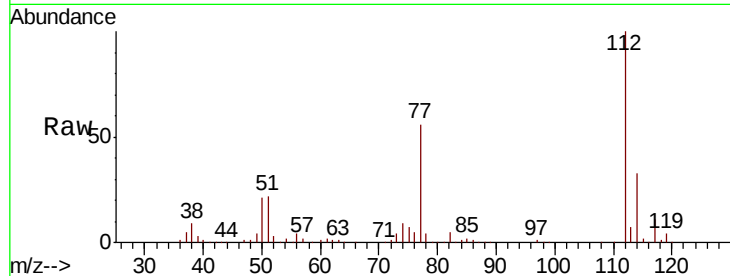
#65
Chlorobenzene
Concen: 22.508 ug/l
RT: 11.34 min Scan# 997
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:112 Resp: 867666
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0

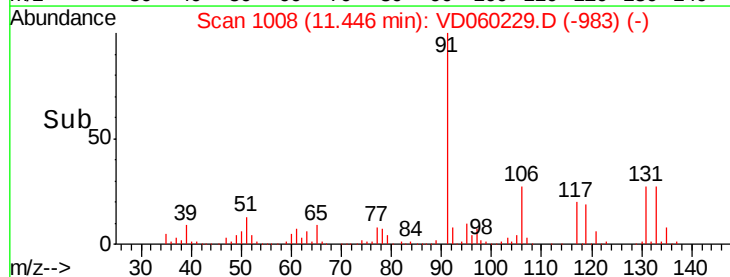
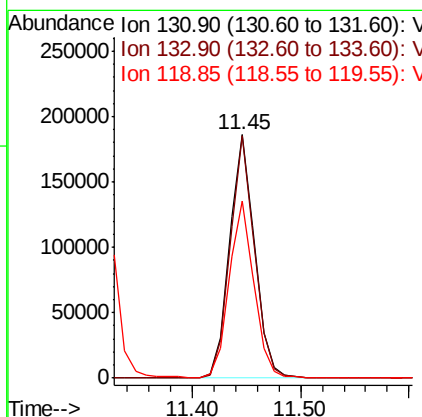
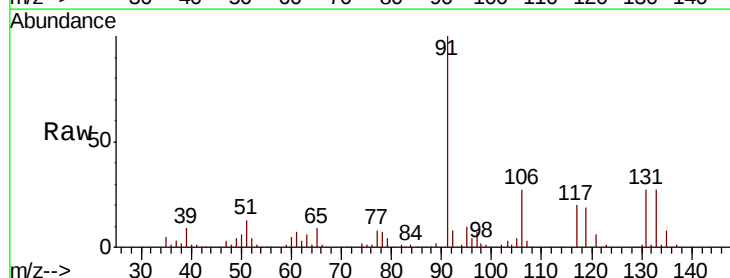
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.392 ug/l
RT: 11.45 min Scan# 1008
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:131 Resp: 300827
Ion Ratio Lower Upper
131 100
133 99.6 47.4 142.3
119 72.7 36.1 108.3





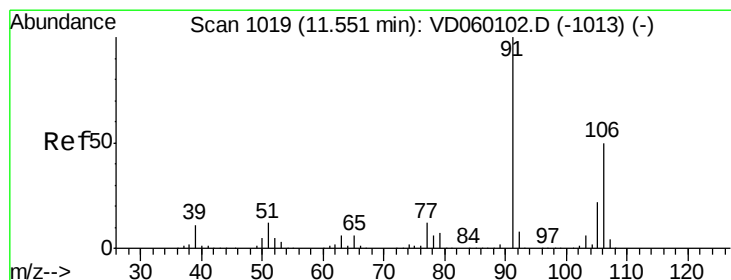
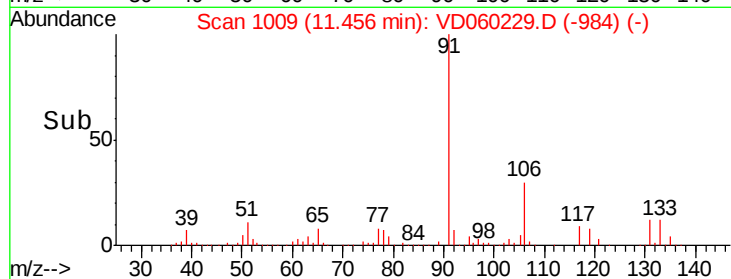
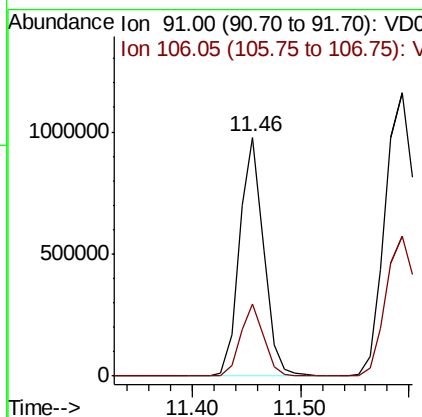
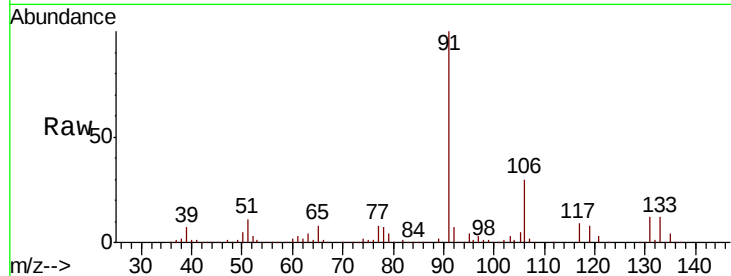
#67
Ethyl Benzene
Concen: 24.069 ug/l
RT: 11.46 min Scan# 1009
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 91 Resp: 1503254
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

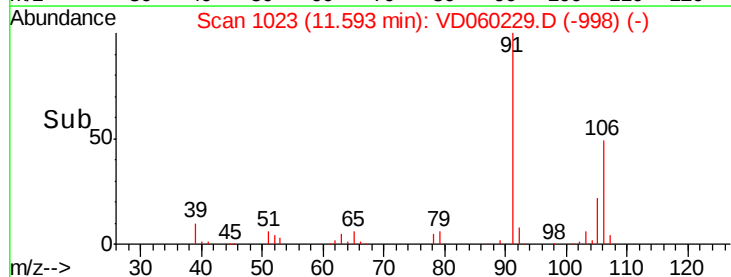
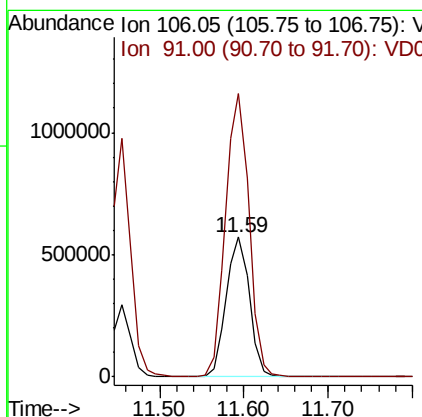
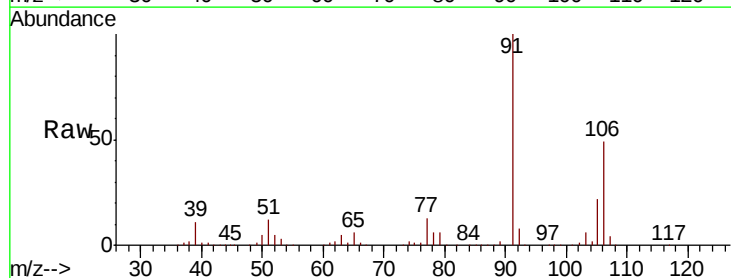
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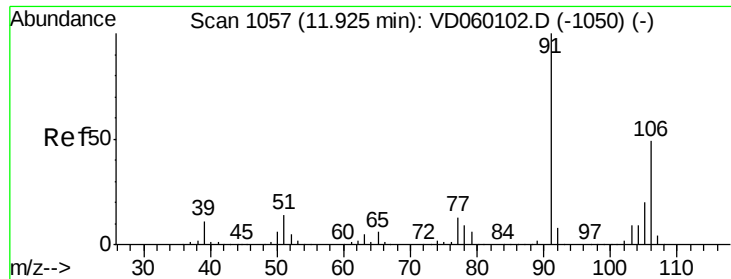
apatel
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#68
m/p-Xylenes
Concen: 46.966 ug/l
RT: 11.59 min Scan# 1023
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 106 Resp: 1095991
Ion Ratio Lower Upper
106 100
91 202.3 160.0 240.0





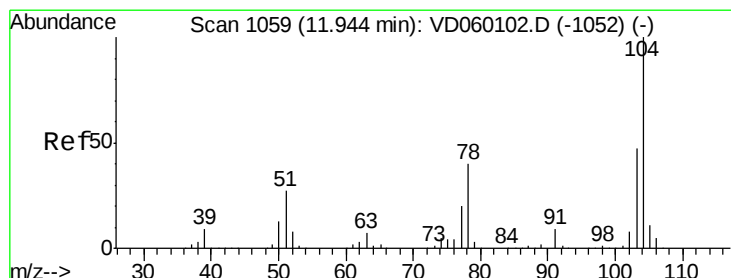
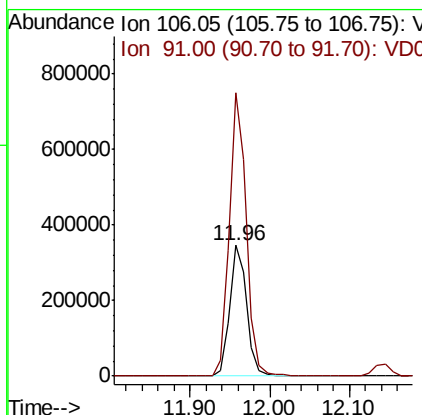
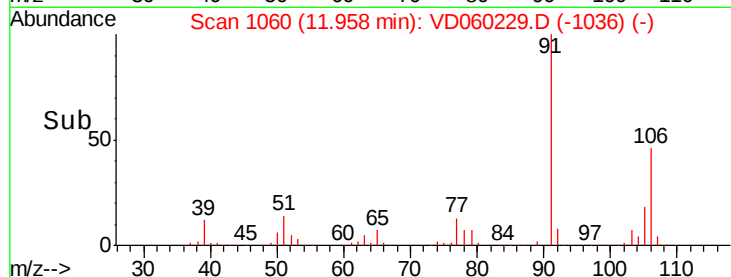
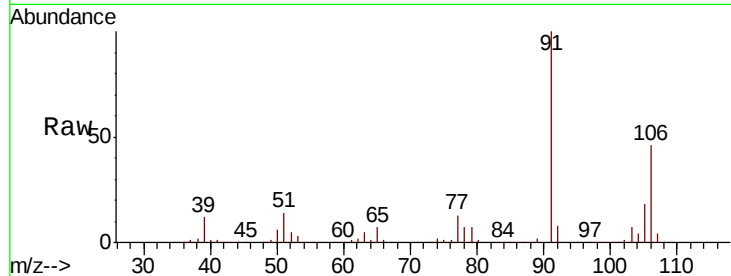
#69
o-Xylene
Concen: 22.640 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:106 Resp: 522586
Ion Ratio Lower Upper
106 100
91 216.4 102.5 307.5

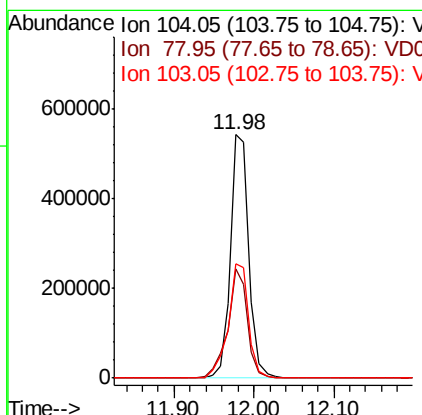
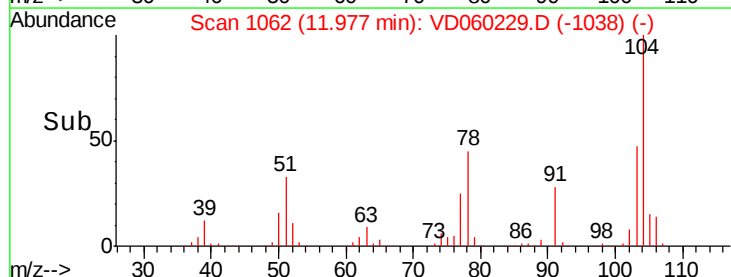
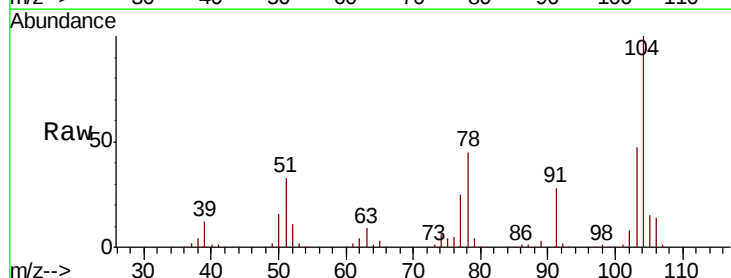
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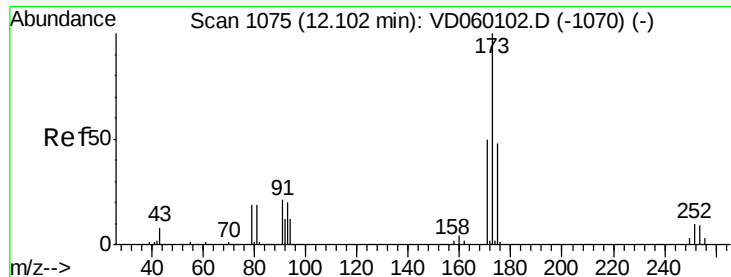
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#70
Styrene
Concen: 22.825 ug/l
RT: 11.98 min Scan# 1062
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:104 Resp: 881082
Ion Ratio Lower Upper
104 100
78 45.0 32.2 48.4
103 47.0 37.4 56.0





#71

Bromoform

Concen: 21.049 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:173 Resp: 219187
Ion Ratio Lower Upper

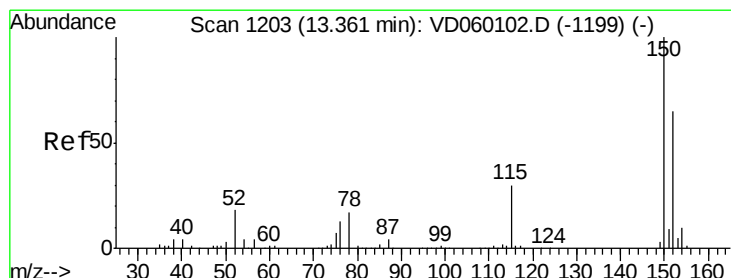
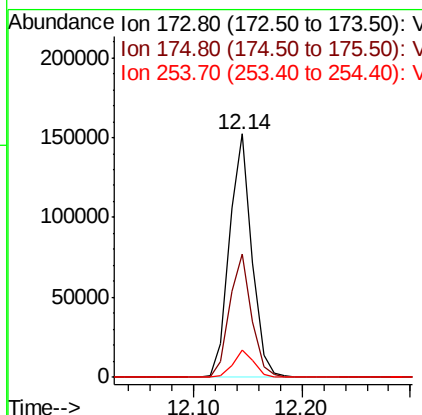
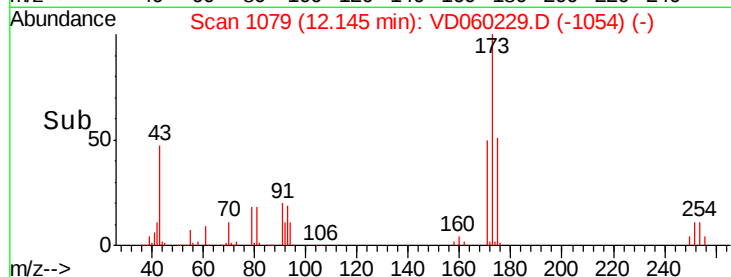
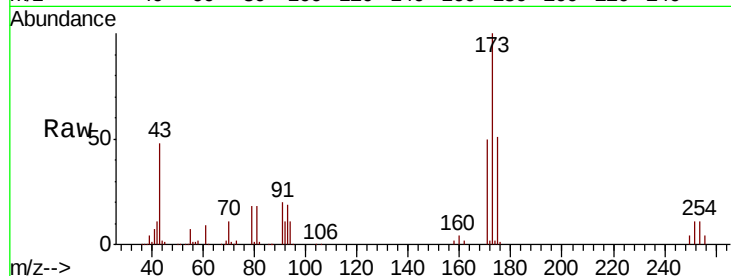
173 100

175 50.6 24.1 72.4

254 11.4 7.4 11.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD060229.D

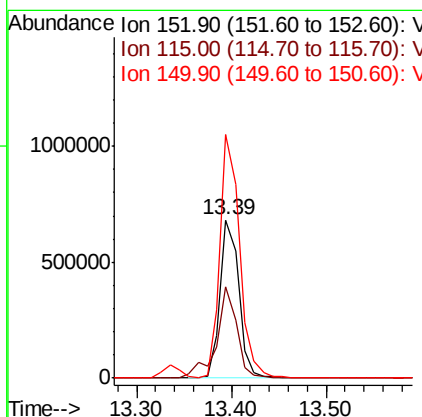
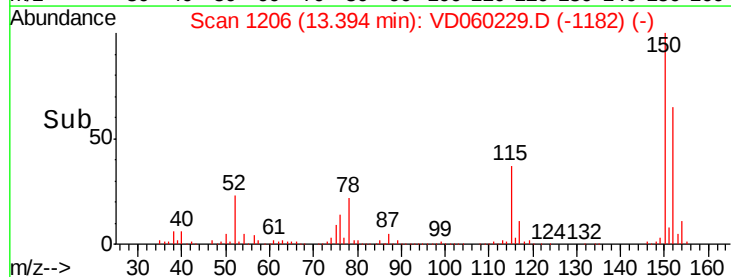
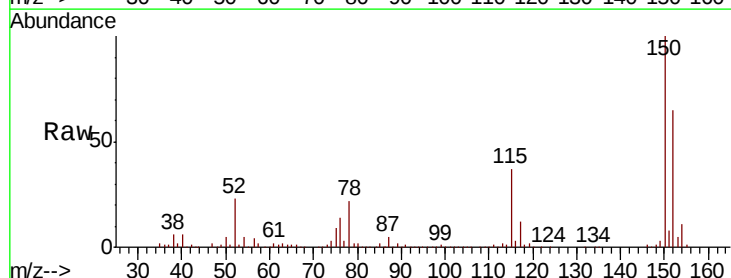
Acq: 29 Oct 2018 15:17

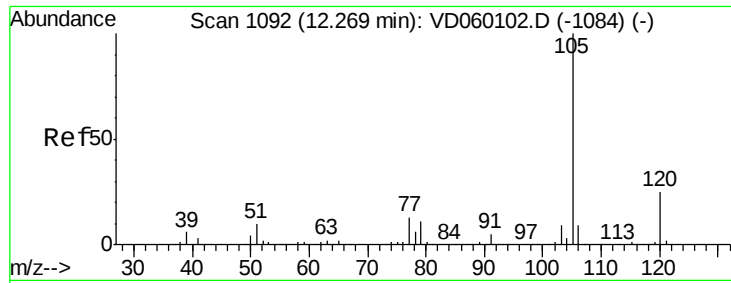
Tgt Ion:152 Resp: 940192
Ion Ratio Lower Upper

152 100

115 57.6 27.1 81.2

150 154.0 0.0 311.8





#73

Isopropylbenzene

Concen: 23.279 ug/l

RT: 12.30 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:105 Resp: 1443887

Ion Ratio Lower Upper

105 100

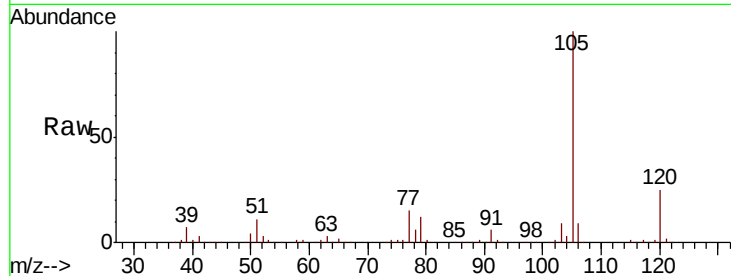
120 24.7 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

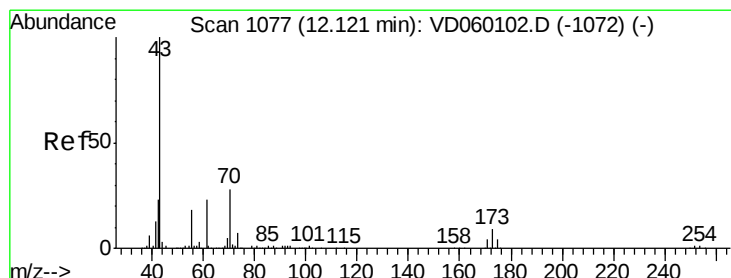
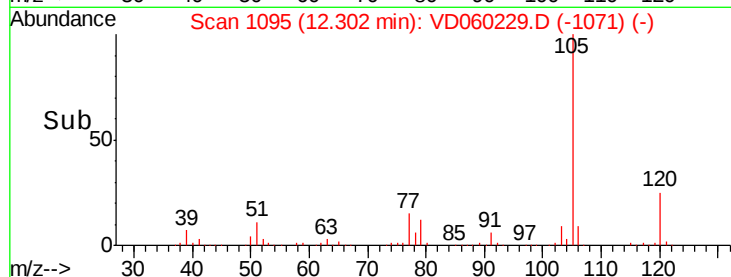
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 22.415 ug/l

RT: 12.16 min Scan# 1081

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion: 43 Resp: 509267

Ion Ratio Lower Upper

43 100

70 29.6 22.1 33.1

55 16.8 14.1 21.1

61 22.9 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

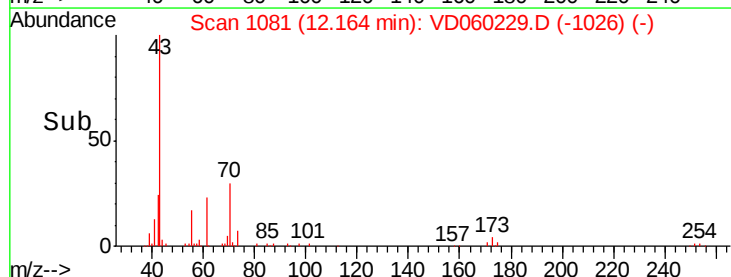
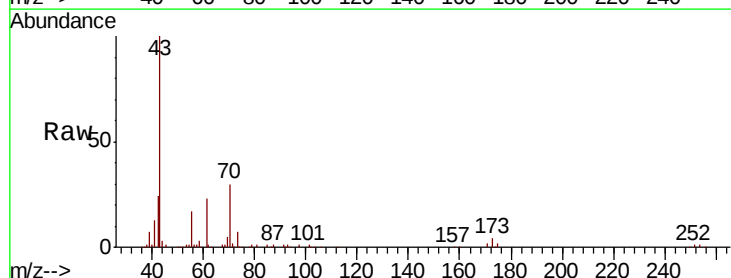
200000

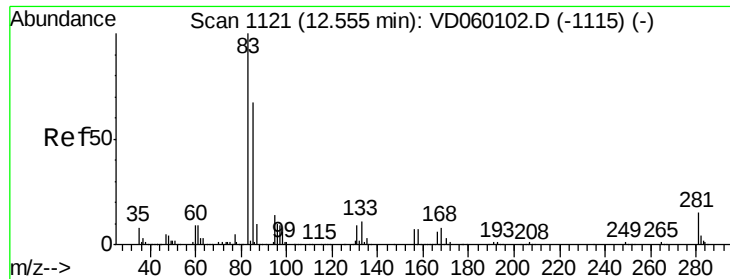
100000

0

12.00 12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.292 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 83 Resp: 301865
Ion Ratio Lower Upper

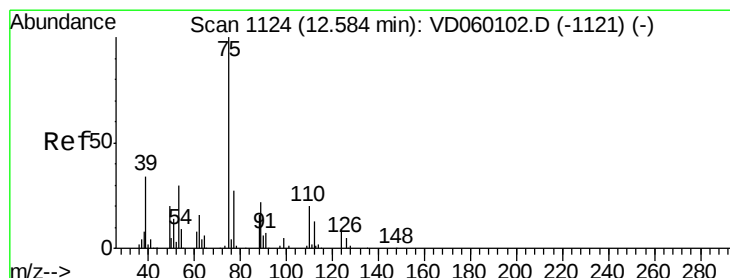
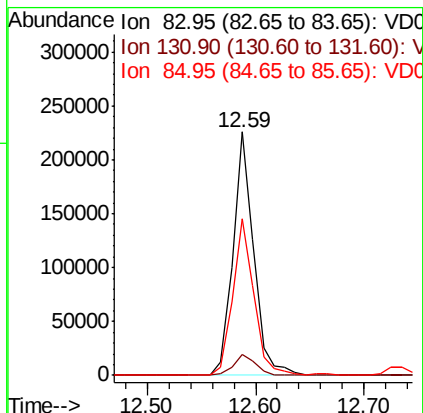
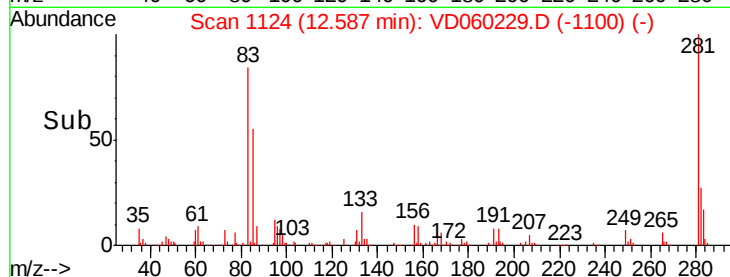
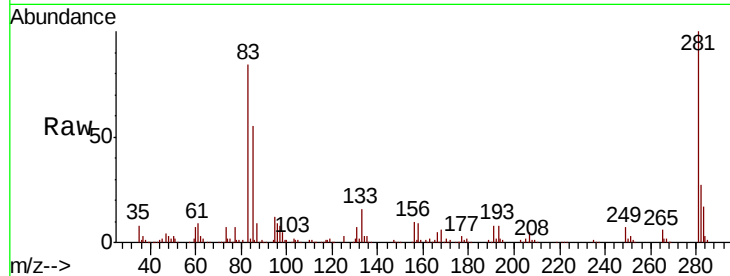
83 100

131 8.5 4.5 13.4

85 64.6 33.3 99.9

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#76

1,2,3-Trichloropropane

Concen: 22.208 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.04 min

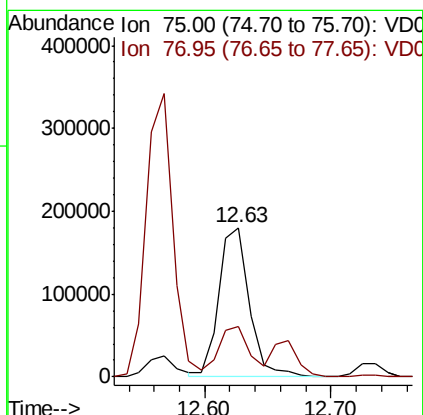
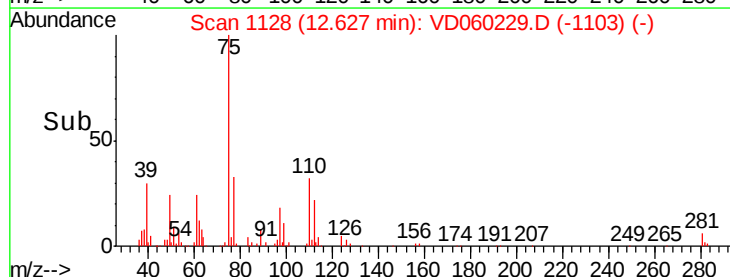
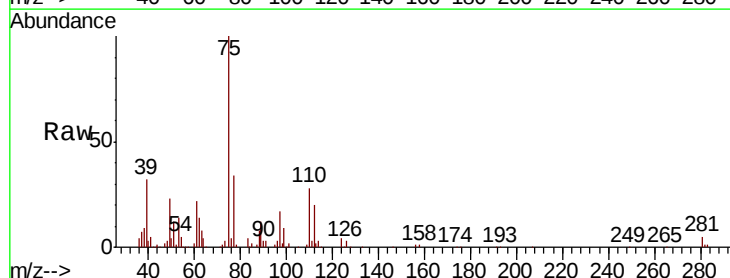
Lab File: VD060229.D

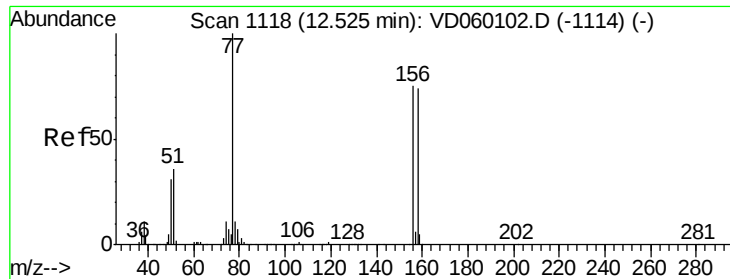
Acq: 29 Oct 2018 15:17

Tgt Ion: 75 Resp: 300695
Ion Ratio Lower Upper

75 100

77 33.5 16.3 48.9





#77

Bromobenzene

Concen: 22.177 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

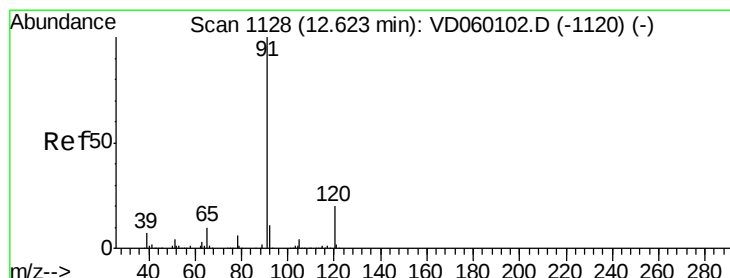
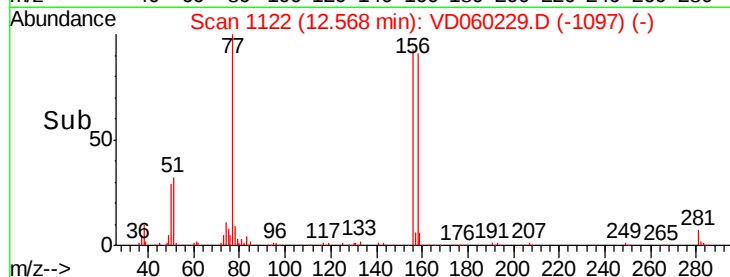
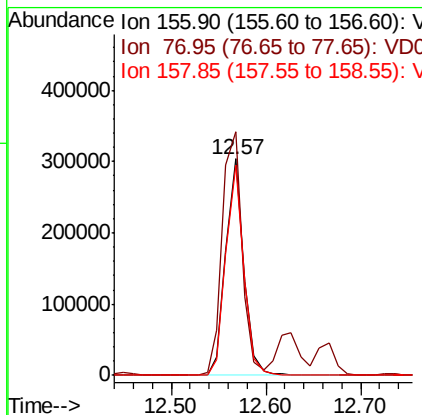
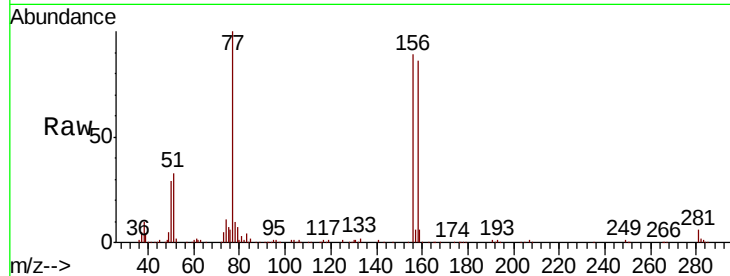
ClientSampleId :

VD1029SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	112.4	66.9	200.7
158	97.0	49.1	147.4

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#78

n-propylbenzene

Concen: 23.155 ug/l

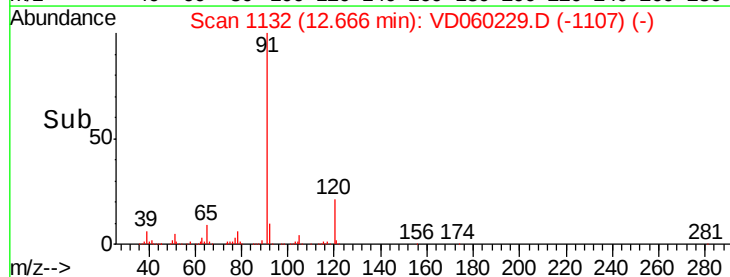
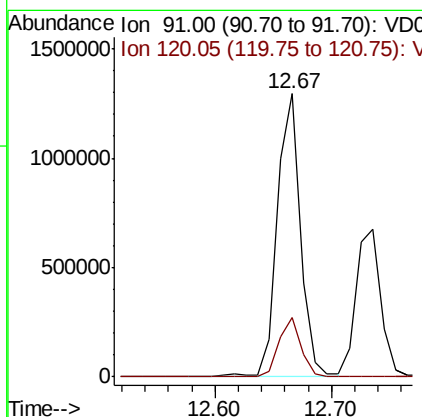
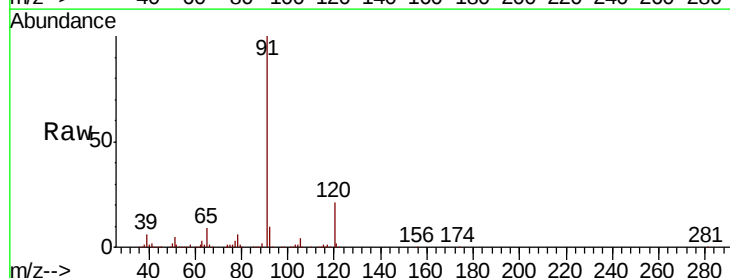
RT: 12.67 min Scan# 1132

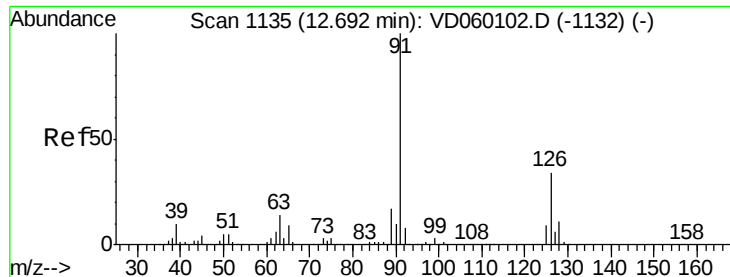
Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.0	30.0





#79

2-Chlorotoluene

Concen: 22.801 ug/l

RT: 12.73 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 974644

Ion Ratio Lower Upper

91 100

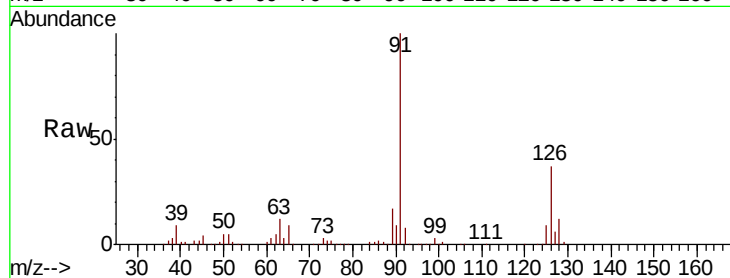
126 36.9 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

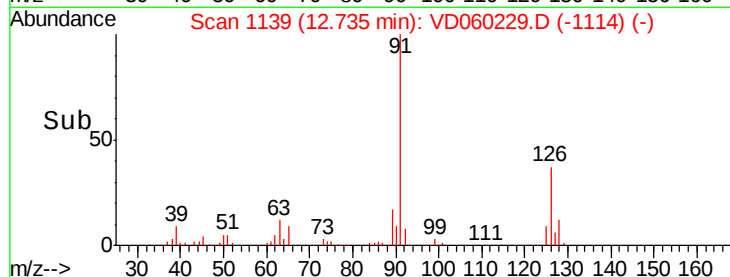
1500000

1000000

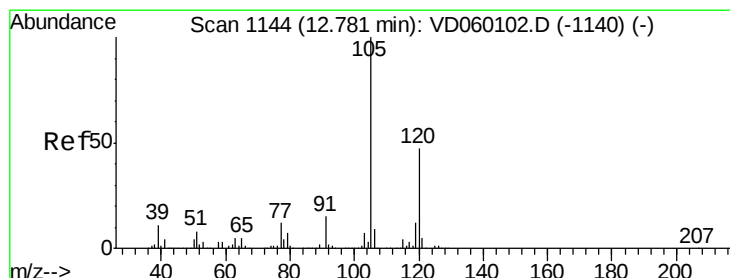
500000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.033 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.03 min

Lab File: VD060229.D

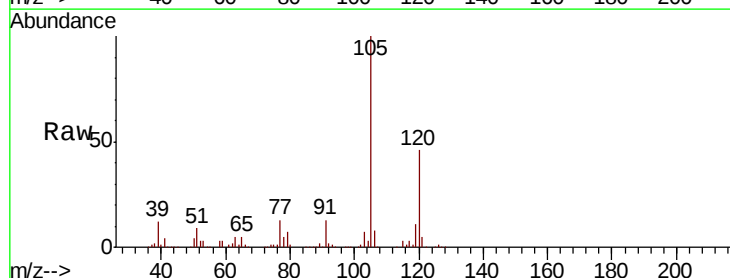
Acq: 29 Oct 2018 15:17

Tgt Ion:105 Resp: 1153731

Ion Ratio Lower Upper

105 100

120 45.9 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

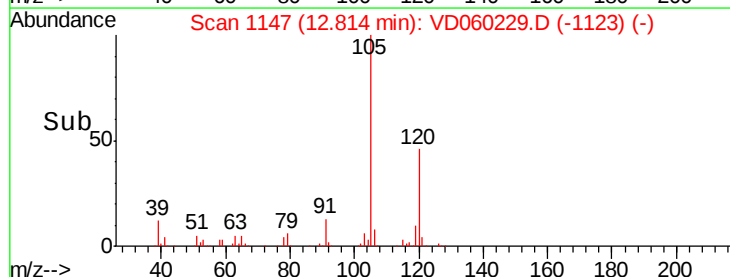
600000

400000

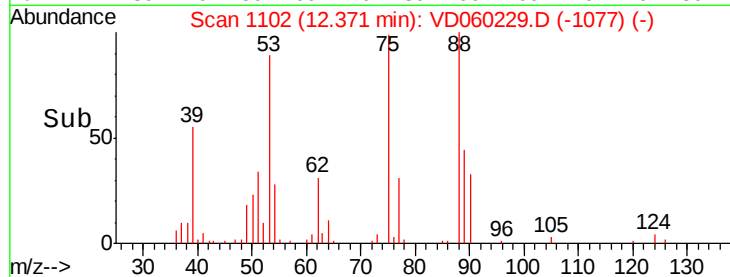
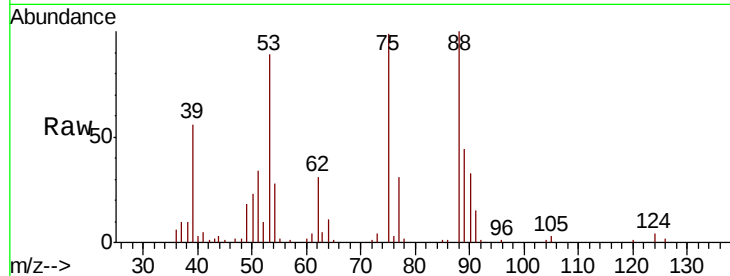
200000

0

12.70 12.80 12.90



Time-->



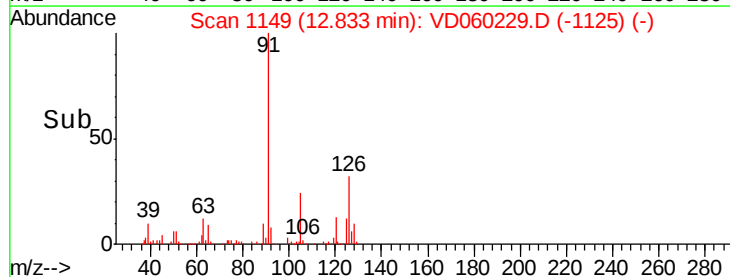
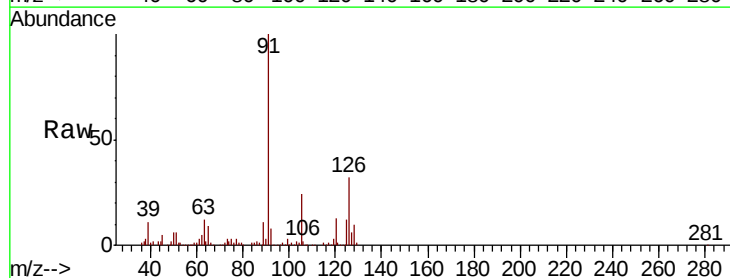
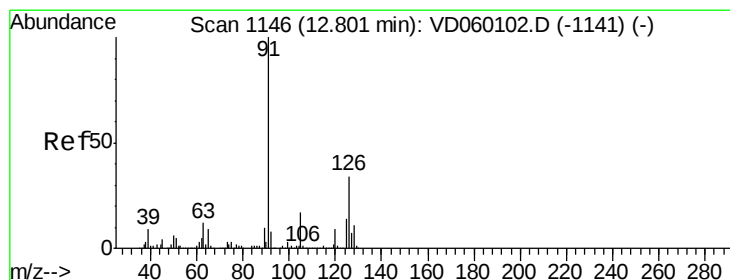
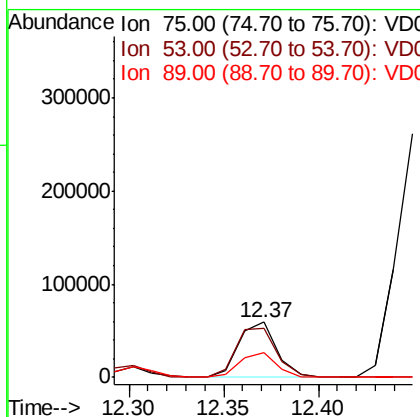
#81
trans-1,4-Dichloro-2-butene
Concen: 21.787 ug/l
RT: 12.37 min Scan# 1102
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	73.0	109.6
89	44.6	32.0	48.0

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

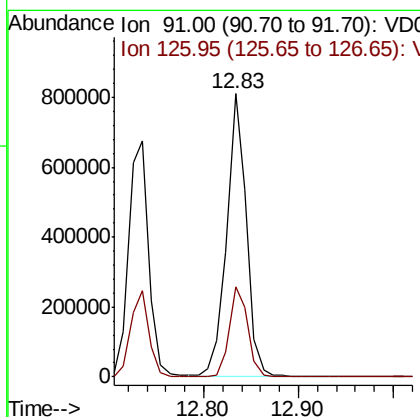
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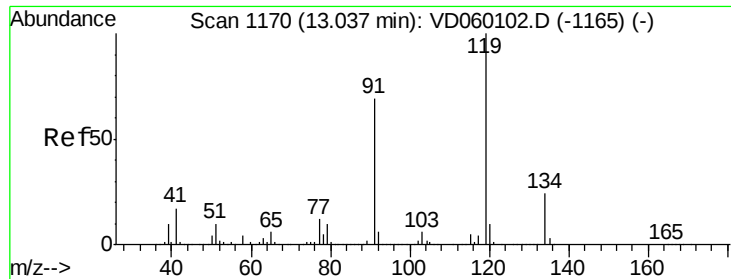
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#82
4-Chlorotoluene
Concen: 23.867 ug/l
RT: 12.83 min Scan# 1149
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	17.1	51.2





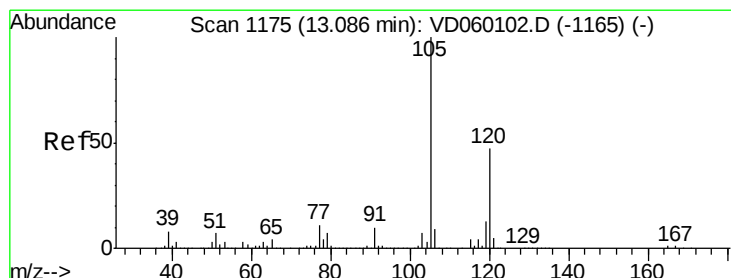
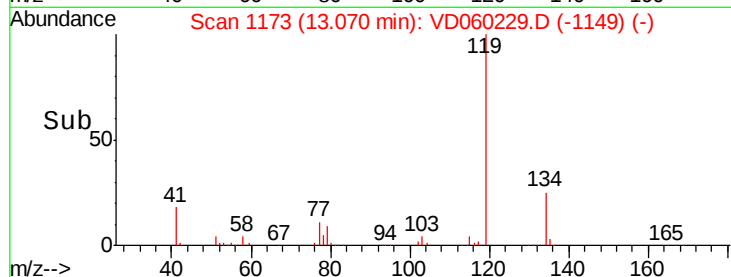
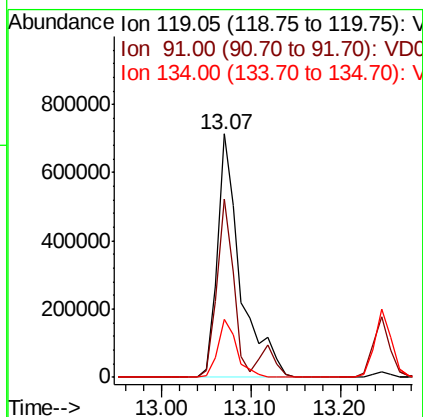
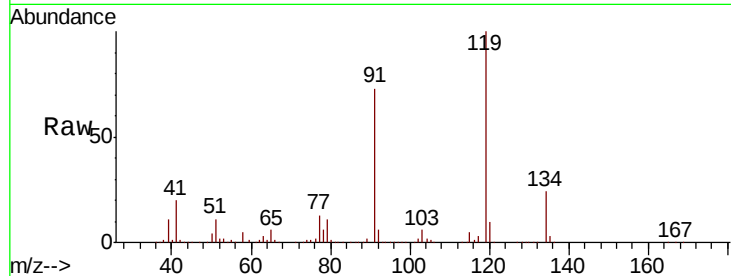
#83
tert-Butylbenzene
Concen: 23.463 ug/l
RT: 13.07 min Scan# 1173
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:119 Resp: 1292525
Ion Ratio Lower Upper
119 100
91 73.1 34.8 104.4
134 23.9 11.8 35.4

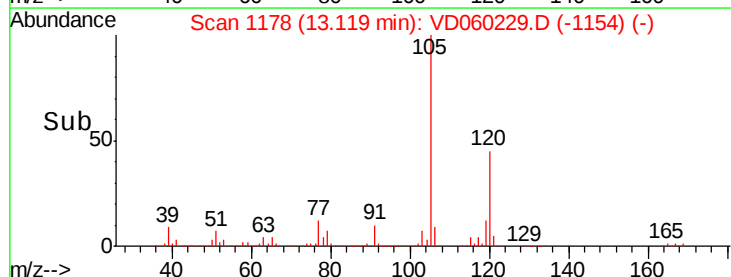
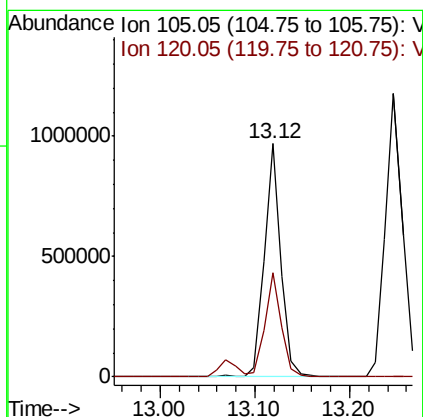
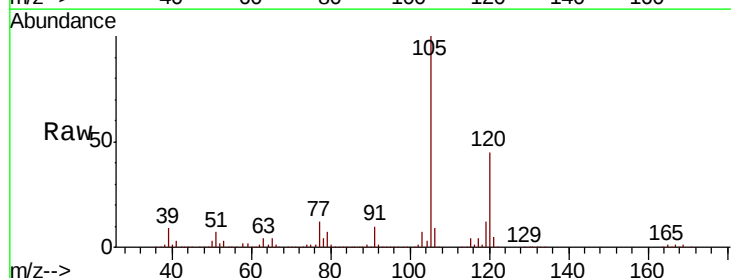
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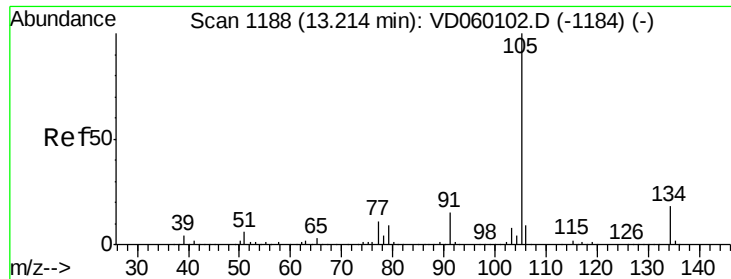
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#84
1,2,4-Trimethylbenzene
Concen: 23.410 ug/l
RT: 13.12 min Scan# 1178
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion:105 Resp: 1184417
Ion Ratio Lower Upper
105 100
120 44.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 23.037 ug/l

RT: 13.25 min Scan# 1191

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:105 Resp: 1500538

Ion Ratio Lower Upper

105 100

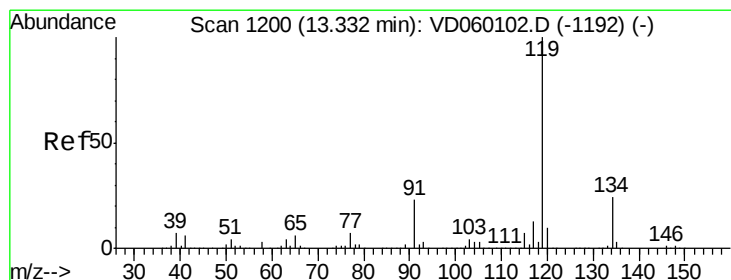
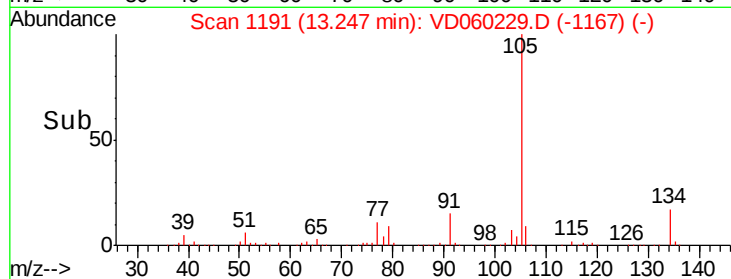
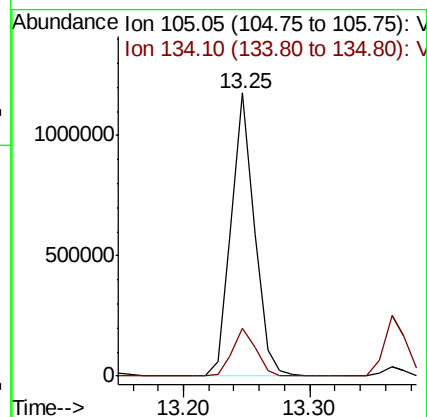
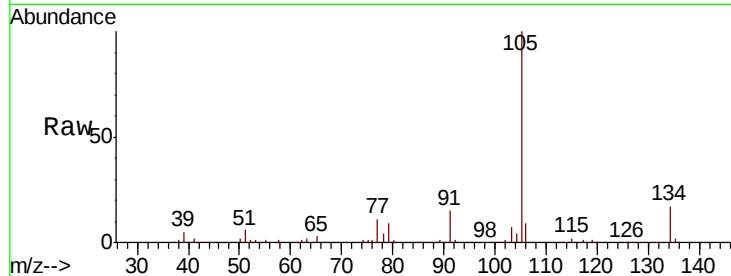
134 17.0 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 23.526 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD060229.D

Acq: 29 Oct 2018 15:17

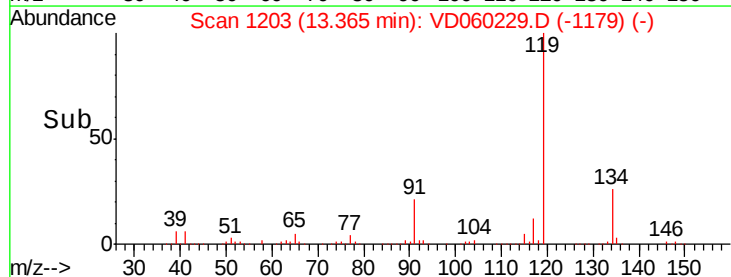
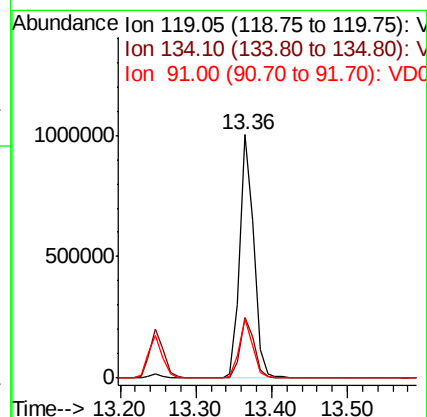
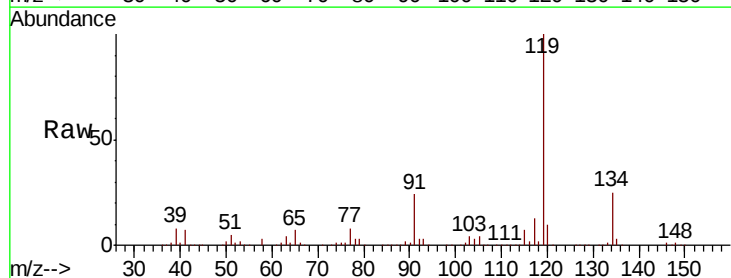
Tgt Ion:119 Resp: 1256870

Ion Ratio Lower Upper

119 100

134 24.9 12.3 36.8

91 24.2 11.8 35.4





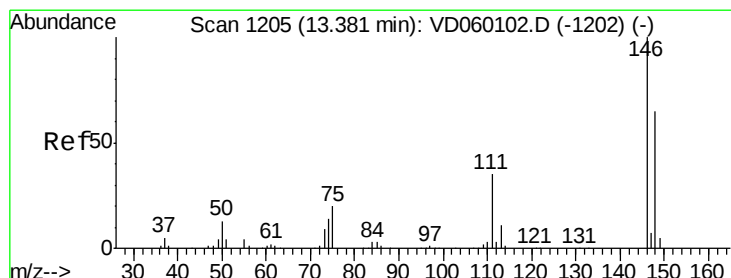
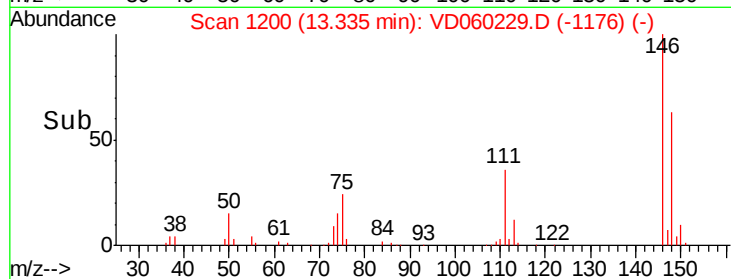
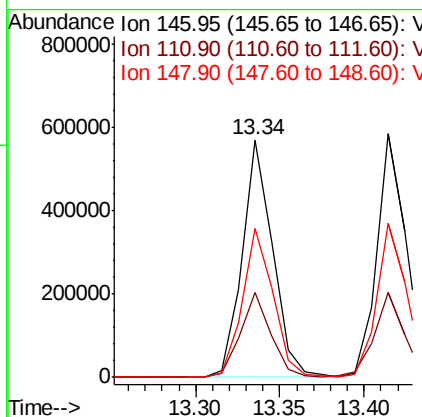
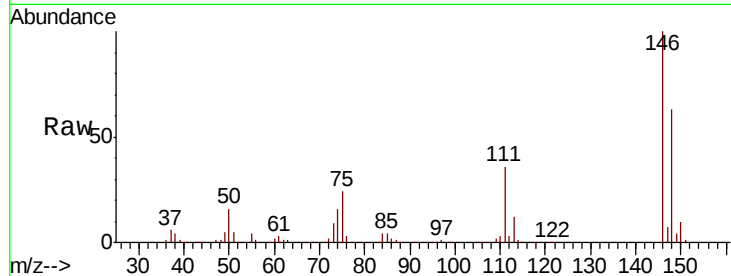
#87
 1,3-Dichlorobenzene
 Concen: 22.807 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.3
148	62.7	32.3	96.9

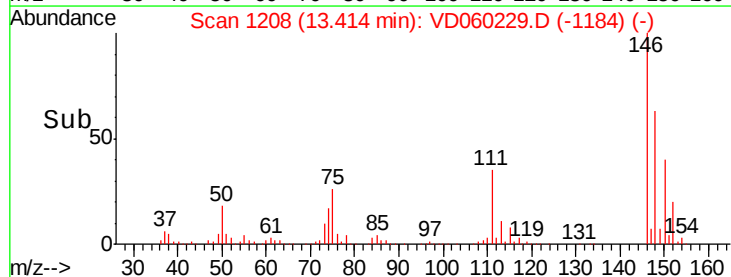
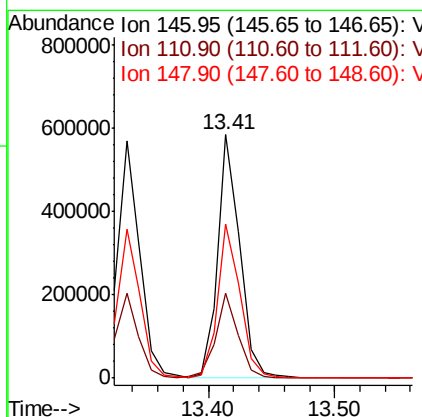
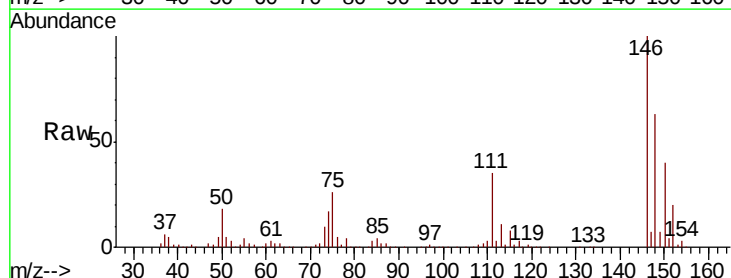
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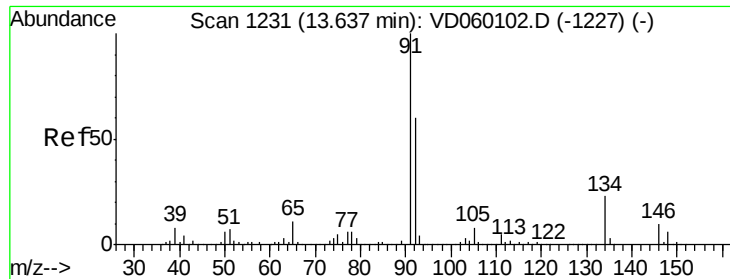
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.530 ug/l
 RT: 13.41 min Scan# 1208
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.8	53.3
148	63.1	32.4	97.2





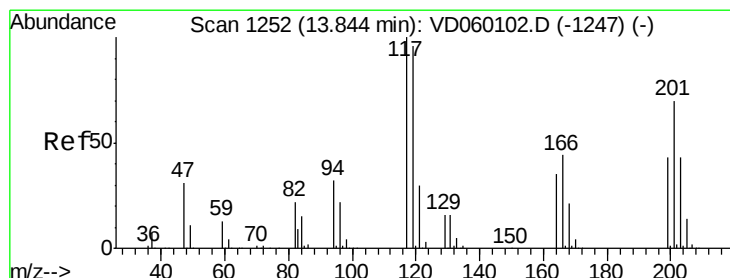
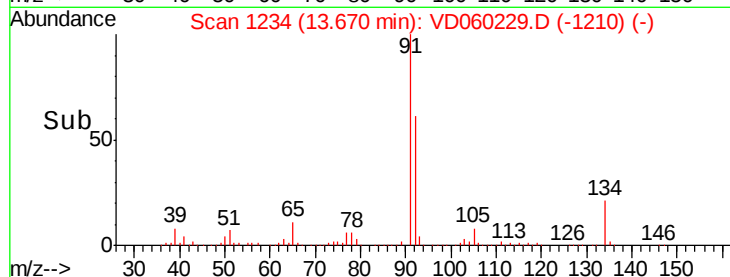
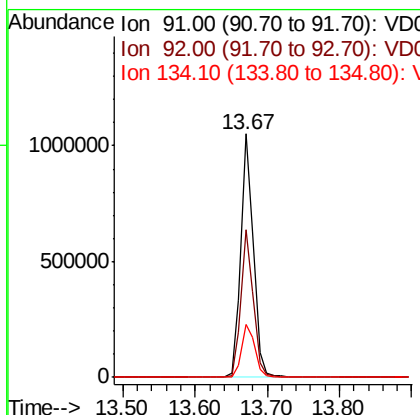
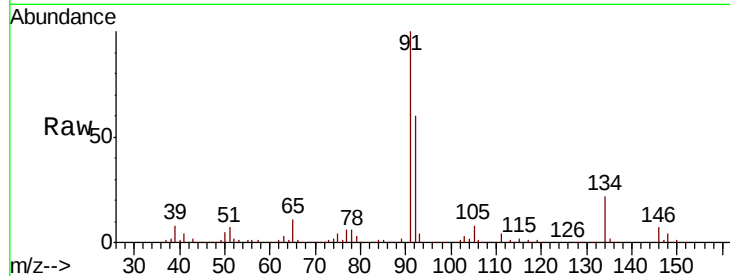
#89
n-Butylbenzene
Concen: 24.955 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 91 Resp: 1300853
Ion Ratio Lower Upper
91 100
92 60.5 30.1 90.3
134 21.5 11.6 34.7

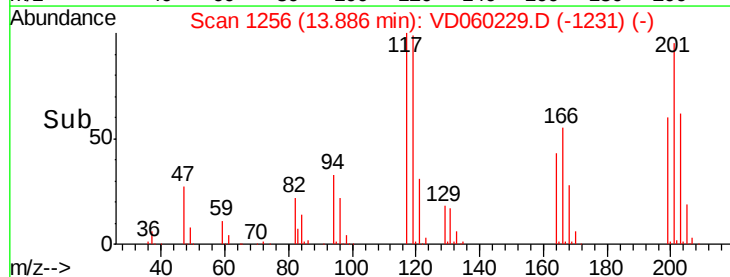
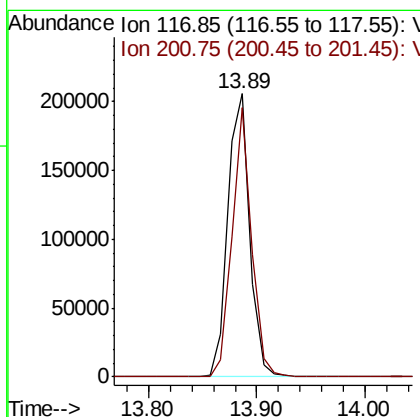
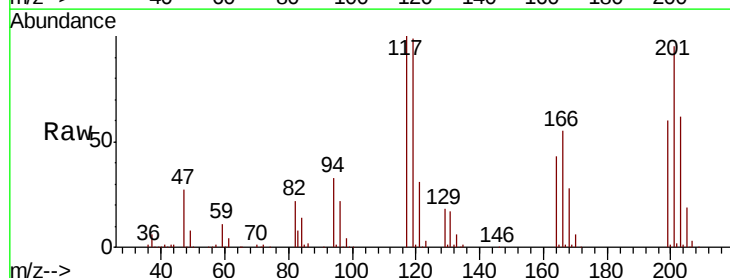
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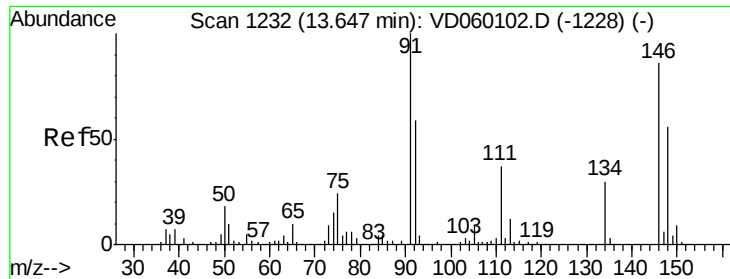
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#90
Hexachloroethane
Concen: 23.459 ug/l
RT: 13.89 min Scan# 1256
Delta R.T. 0.04 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion: 117 Resp: 290056
Ion Ratio Lower Upper
117 100
201 95.1 34.8 104.5





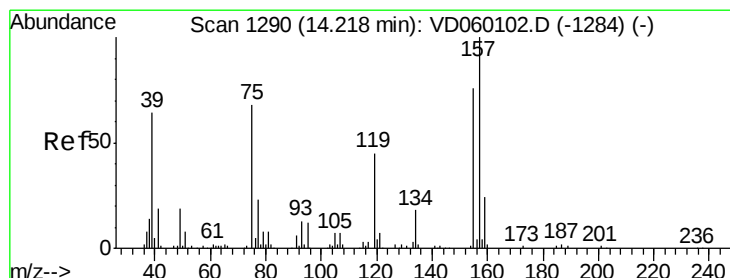
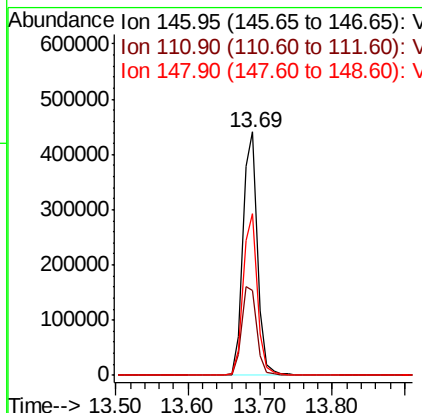
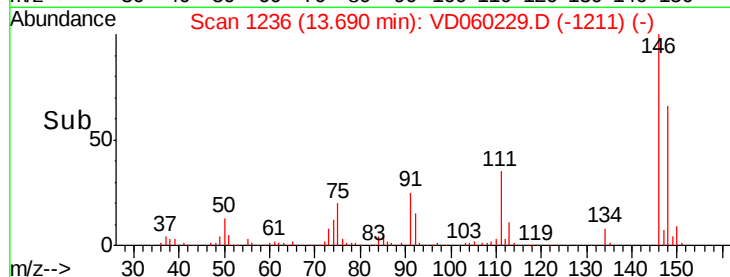
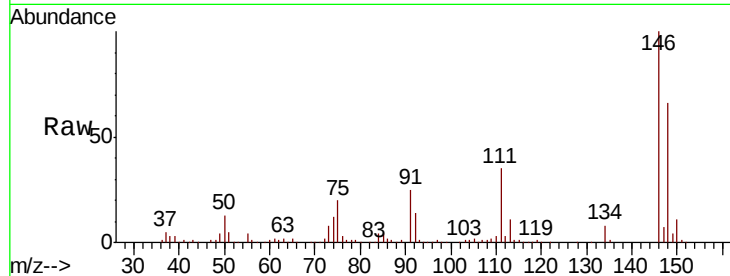
#91
 1,2-Dichlorobenzene
 Concen: 23.380 ug/l
 RT: 13.69 min Scan# 1236
 Delta R.T. 0.04 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	21.4	64.3
148	66.3	32.2	96.6

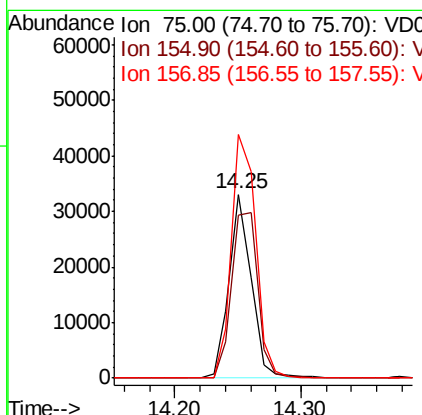
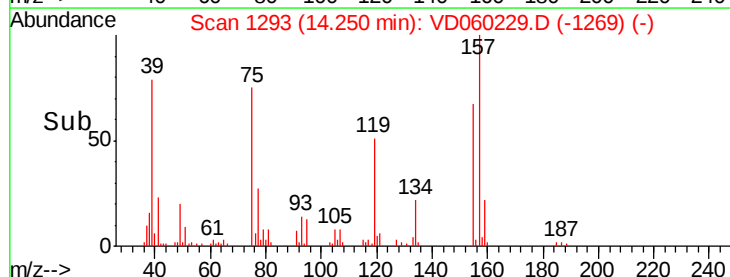
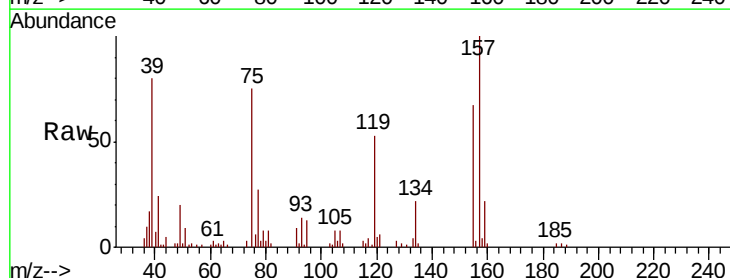
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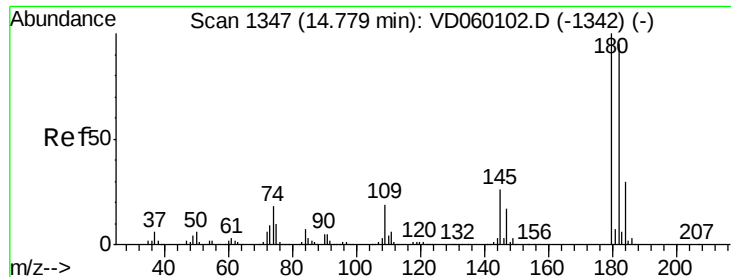
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.262 ug/l
 RT: 14.25 min Scan# 1293
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	55.9	167.7
157	132.6	73.3	219.8





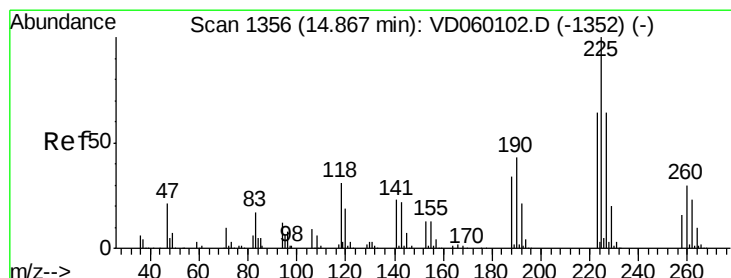
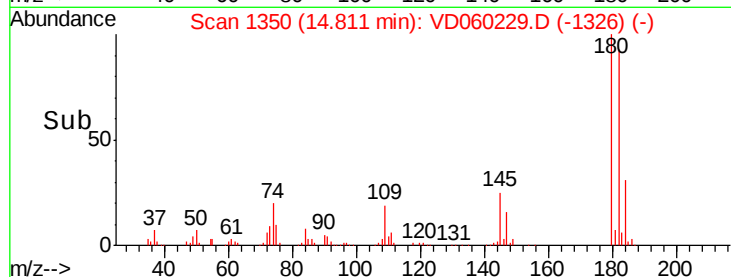
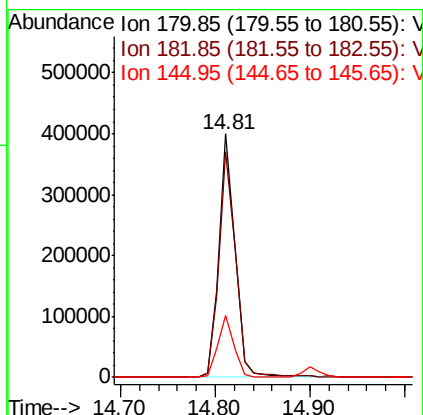
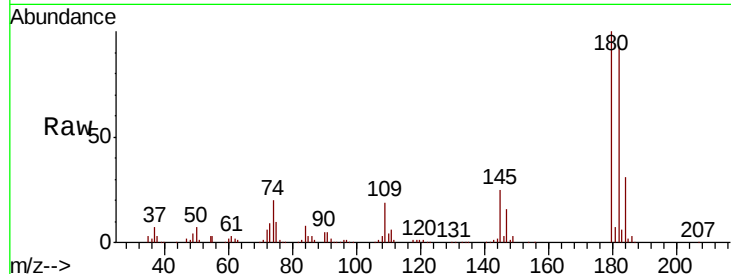
#93
 1,2,4-Trichlorobenzene
 Concen: 21.175 ug/l
 RT: 14.81 min Scan# 1350
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	474578		
182	92.7	47.3	141.8	
145	25.4	13.0	38.9	

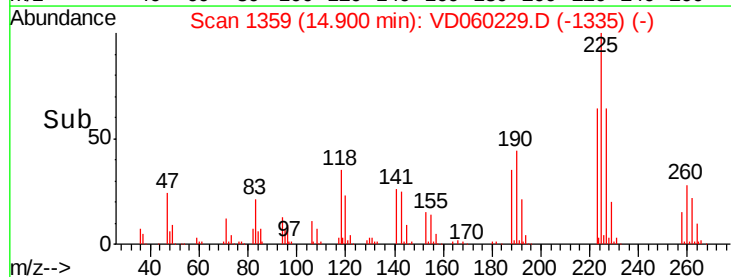
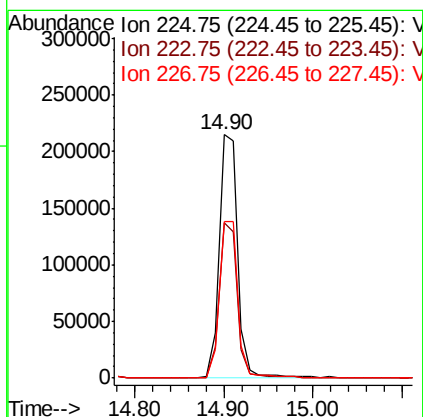
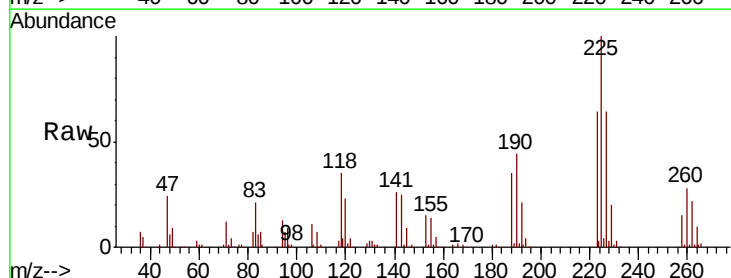
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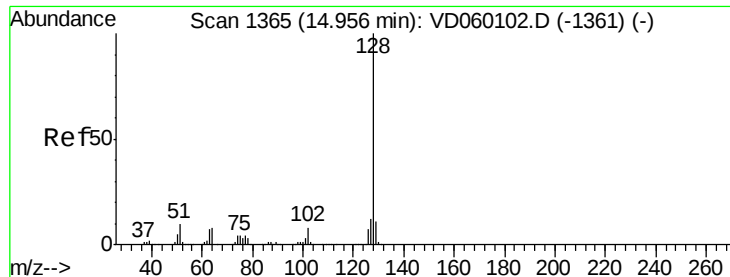
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#94
 Hexachlorobutadiene
 Concen: 21.095 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.03 min
 Lab File: VD060229.D
 Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314268		
223	63.7	31.8	95.4	
227	64.2	32.0	96.0	





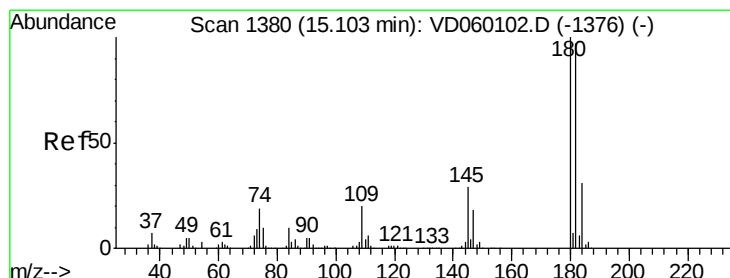
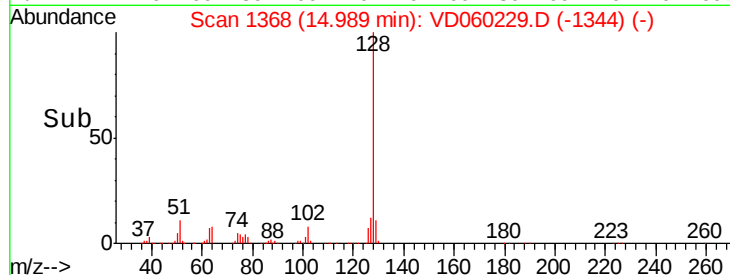
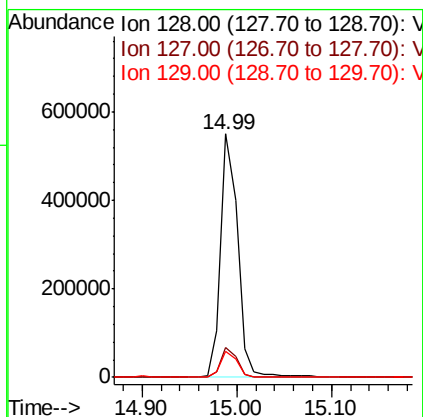
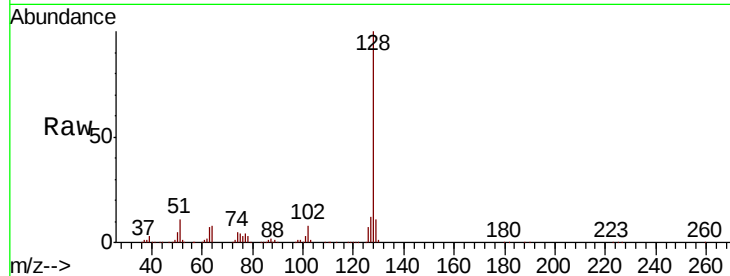
#95
Naphthalene
Concen: 20.656 ug/l
RT: 14.99 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	686217		
127	12.2		9.9	14.9
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.293 ug/l
RT: 15.14 min Scan# 1383
Delta R.T. 0.03 min
Lab File: VD060229.D
Acq: 29 Oct 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	395633		
182	95.3		48.4	145.0
145	28.8		14.5	43.6

