

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060509.D
 Acq On : 7 Dec 2018 10:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:46:25 PM

Quant Time: Dec 08 02:07:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1816882	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2494700	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1969520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	1015385	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	630331	48.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	6.32	113	941751	51.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	9.45	98	2748346	51.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.42	95	970600	51.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	849768	49.059	ug/l	99
3) Chloromethane	1.78	50	853437	45.718	ug/l	97
4) Vinyl Chloride	1.87	62	725435	48.692	ug/l	98
5) Bromomethane	2.17	94	194140	52.088	ug/l	98
6) Chloroethane	2.28	64	237704	49.080	ug/l	94
7) Trichlorofluoromethane	2.53	101	830760	48.292	ug/l	99
8) Diethyl Ether	2.84	74	142675	48.017	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.10	101	553701	49.607	ug/l	97
10) Methyl Iodide	3.26	142	639928	49.048	ug/l	98
11) Tert butyl alcohol	3.98	59	131844	251.997	ug/l	98
12) 1,1-Dichloroethene	3.09	96	446404	49.156	ug/l	94
13) Acrolein	2.99	56	141568	247.632	ug/l	97
14) Allyl chloride	3.54	41	843108	48.932	ug/l	100
15) Acrylonitrile	4.09	53	723857	243.662	ug/l	98
16) Acetone	3.17	43	599656	290.498	ug/l	97
17) Carbon Disulfide	3.33	76	1395007	47.290	ug/l	100
18) Methyl Acetate	3.56	43	224888	45.840	ug/l #	93
19) Methyl tert-butyl Ether	4.13	73	1244330	49.409	ug/l	99
20) Methylene Chloride	3.73	84	919994	48.395	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	979590	49.589	ug/l	98
22) Diisopropyl ether	4.85	45	3028685	48.958	ug/l	95
23) Vinyl Acetate	4.80	43	7542130	246.071	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1580062	49.165	ug/l	98
25) 2-Butanone	5.62	43	1110220	273.373	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1271723	51.223	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	1005575	50.065	ug/l	99
28) Bromochloromethane	5.92	49	689700	48.445	ug/l	99
29) Tetrahydrofuran	5.94	42	573514	249.379	ug/l	99
30) Chloroform	6.10	83	1592023	49.171	ug/l	97
31) Cyclohexane	6.37	56	1463525	53.525	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	1363548	51.228	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1232166	50.529	ug/l	99
37) Ethyl Acetate	5.70	43	556866	52.656	ug/l	99
38) Carbon Tetrachloride	6.49	117	1129625	51.600	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1378864	49.602	ug/l	100
40) Benzene	6.78	78	3155475	50.633	ug/l	100
41) Methacrylonitrile	5.93	41	335857m	58.913	ug/l	
42) 1,2-Dichloroethane	6.89	62	786358	49.626	ug/l	99
43) Isopropyl Acetate	8.34	43	680295	52.111	ug/l #	97
44) Trichloroethene	7.73	130	952135	51.122	ug/l	97
45) 1,2-Dichloropropane	8.09	63	786735	51.042	ug/l	99
46) Dibromomethane	8.21	93	457093	51.327	ug/l	99
47) Bromodichloromethane	8.48	83	1089490	51.560	ug/l	98
48) Methyl methacrylate	8.24	41	421262	54.536	ug/l	99
49) 1,4-Dioxane	8.22	88	75306	1075.671	ug/l	89
51) 4-Methyl-2-Pentanone	9.33	43	2163564	266.430	ug/l	100
52) Toluene	9.54	92	1994301	51.199	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	924446	53.243	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1180634	51.755	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	541572	49.926	ug/l	98
56) Ethyl methacrylate	10.02	69	538970	54.901	ug/l	97
57) 1,3-Dichloropropane	10.37	76	860969	51.344	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1454133	247.551	ug/l	98
59) 2-Hexanone	10.48	43	1641120	289.128	ug/l	100
60) Dibromochloromethane	10.63	129	699352	51.566	ug/l	100
61) 1,2-Dibromoethane	10.75	107	564956	51.106	ug/l	99
64) Tetrachloroethene	10.23	164	883455	50.658	ug/l	97
65) Chlorobenzene	11.31	112	2121615	50.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	695483	51.787	ug/l	97
67) Ethyl Benzene	11.42	91	3578686	50.354	ug/l	99
68) m/p-Xylenes	11.55	106	2623815	99.792	ug/l	99
69) o-Xylene	11.93	106	1272892	50.799	ug/l	99
70) Styrene	11.95	104	2060673	51.235	ug/l	99
71) Bromoform	12.10	173	478802	53.439	ug/l	99
73) Isopropylbenzene	12.26	105	3499060	48.698	ug/l	99
74) N-amyl acetate	12.12	43	881525	50.763	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	578445	50.286	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	567757	49.349	ug/l	97
77) Bromobenzene	12.53	156	945606	50.067	ug/l	97
78) n-propylbenzene	12.63	91	4425922	48.729	ug/l	98
79) 2-Chlorotoluene	12.69	91	2394521	48.584	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2705372	49.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	169487	52.820	ug/l	98
82) 4-Chlorotoluene	12.80	91	2633989	47.583	ug/l	98
83) tert-Butylbenzene	13.04	119	3036893	49.332	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2729716	48.017	ug/l	98
85) sec-Butylbenzene	13.22	105	3701064	48.237	ug/l	94
86) p-Isopropyltoluene	13.33	119	2879858	47.349	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1641491	48.002	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1581128	47.132	ug/l	98
89) n-Butylbenzene	13.64	91	3015258	50.060	ug/l	99
90) Hexachloroethane	13.85	117	780933	51.210	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1313182	46.990	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	68894	49.429	ug/l	60

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1071014	49.025	ug/l	97
94) Hexachlorobutadiene	14.87	225	766062	47.528	ug/l	98
95) Naphthalene	14.96	128	1271725	48.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	828973	47.623	ug/l	99

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

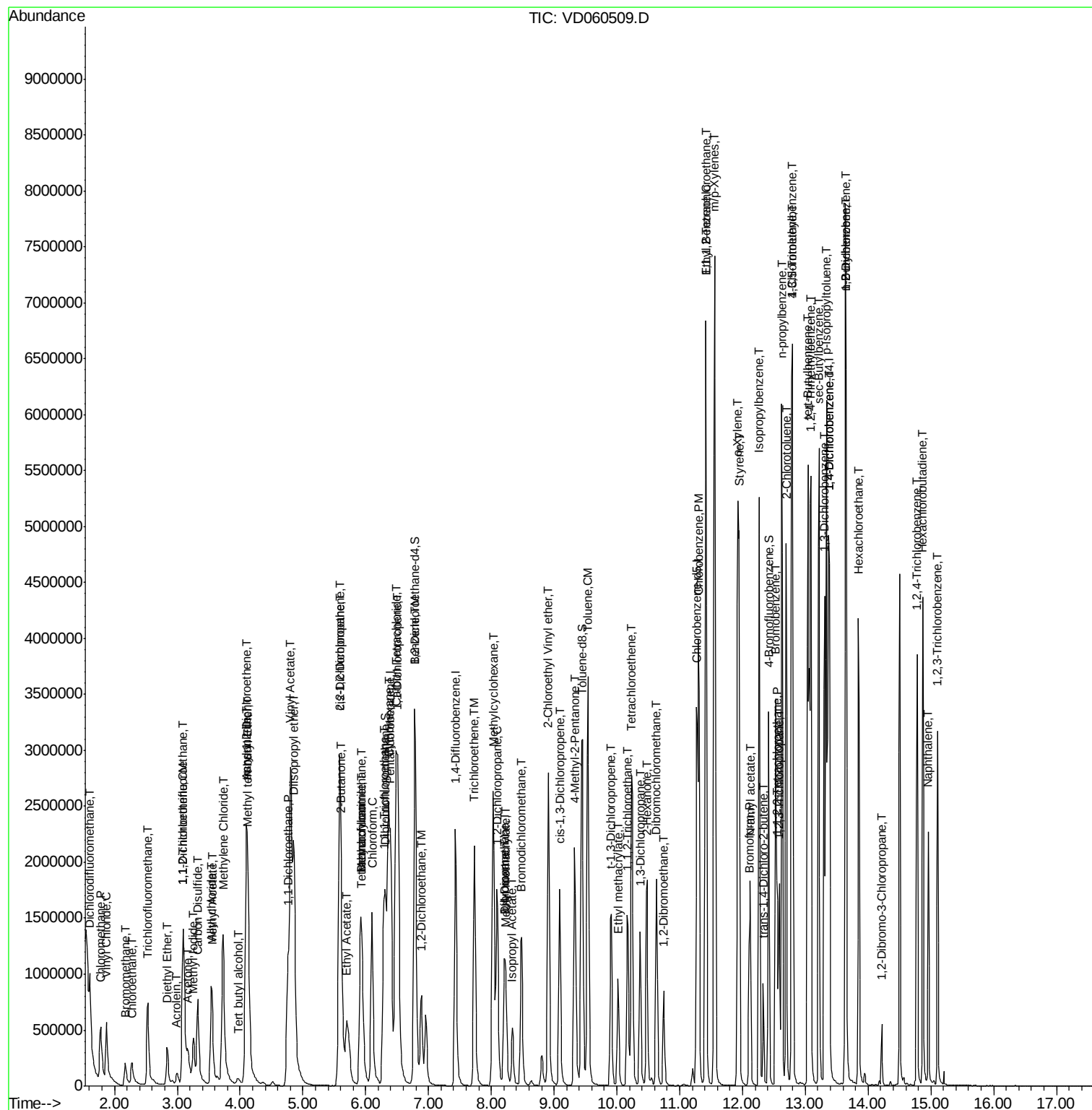
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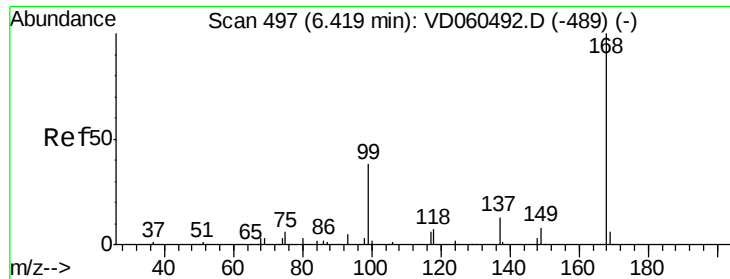
Instrument :
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#1

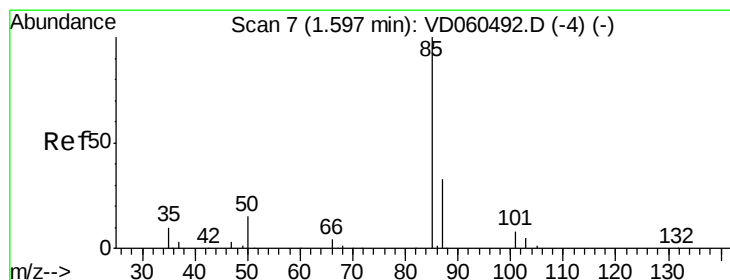
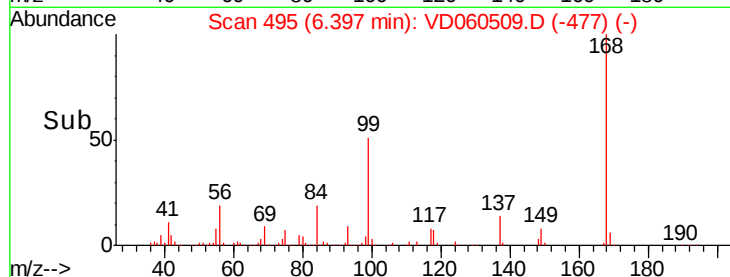
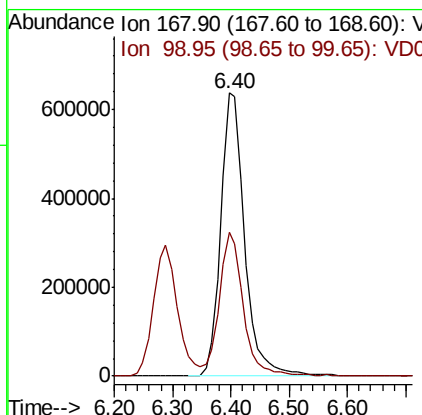
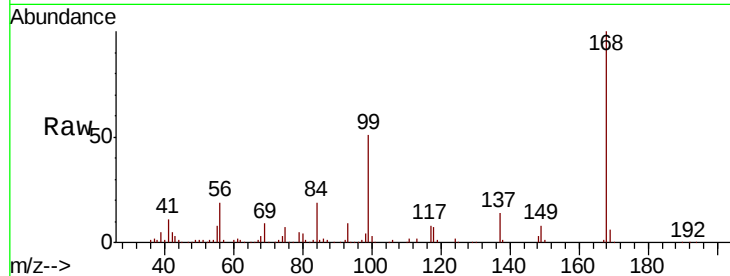
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1816882
 Ion Ratio Lower Upper
 168 100
 99 50.8 35.6 53.4

Manual Integrations
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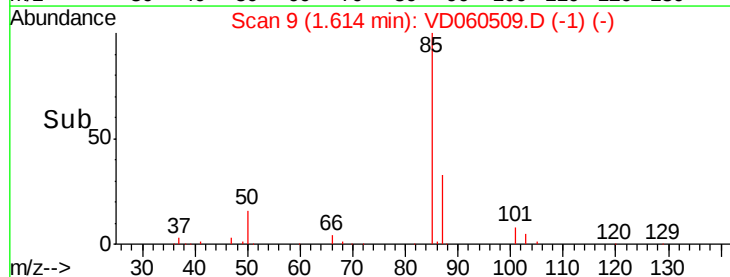
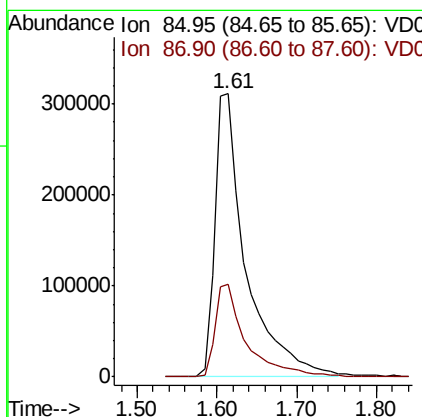
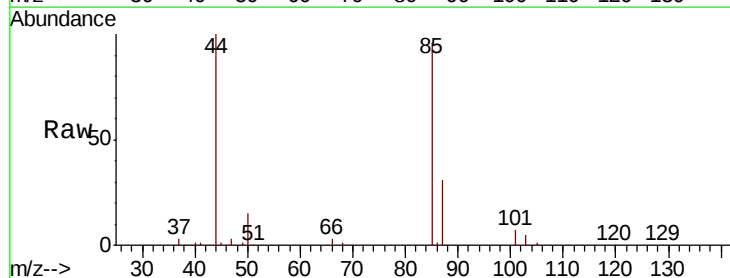
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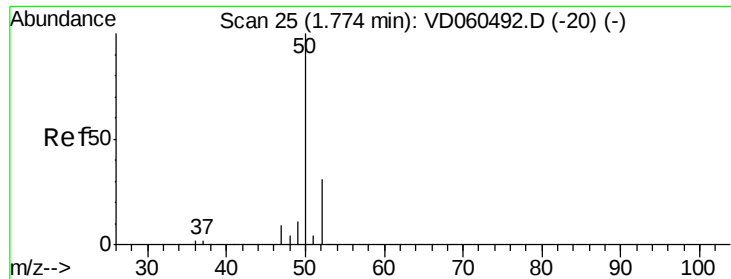


#2

Dichlorodifluoromethane
 Concen: 49.059 ug/l
 RT: 1.61 min Scan# 9
 Delta R.T. 0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 85 Resp: 849768
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.7 50.0





#3

Chloromethane

Concen: 45.718 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 853437

Ion Ratio Lower Upper

50 100

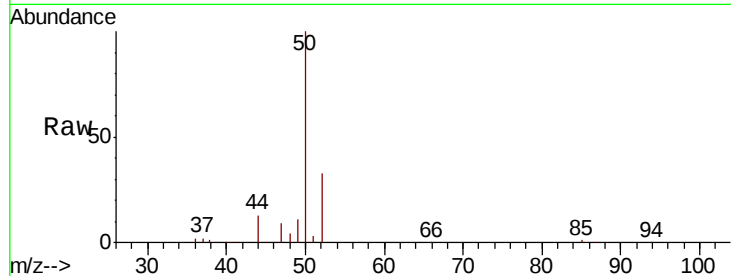
52 32.6 25.0 37.4

Manual Integrations

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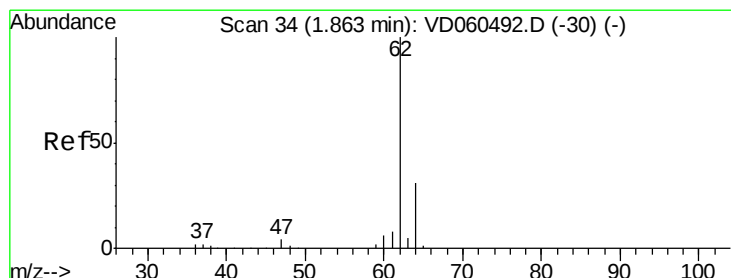
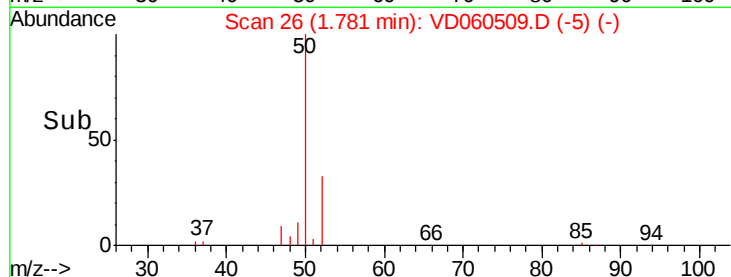
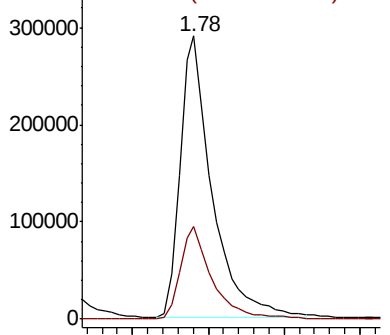
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.692 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060509.D

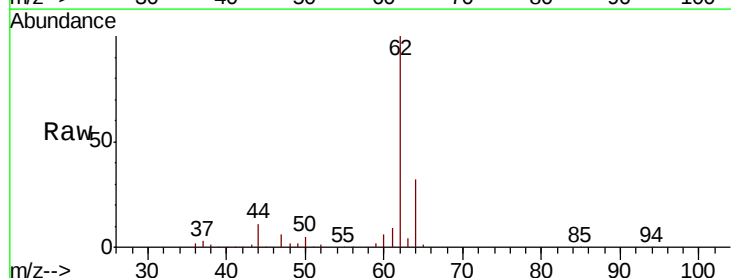
Acq: 7 Dec 2018 10:31

Tgt Ion: 62 Resp: 725435

Ion Ratio Lower Upper

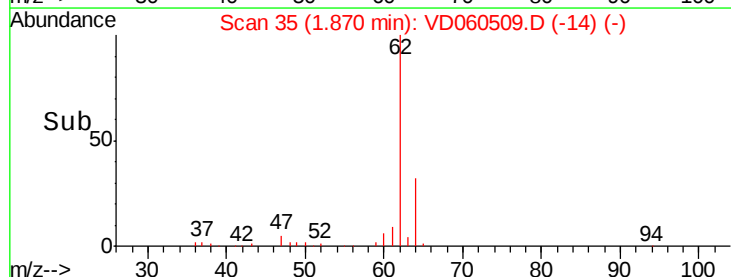
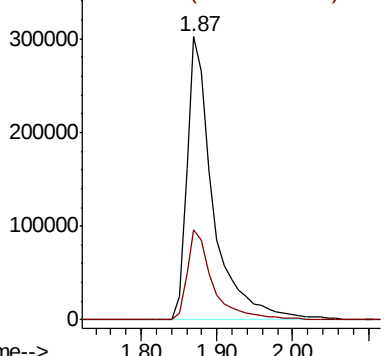
62 100

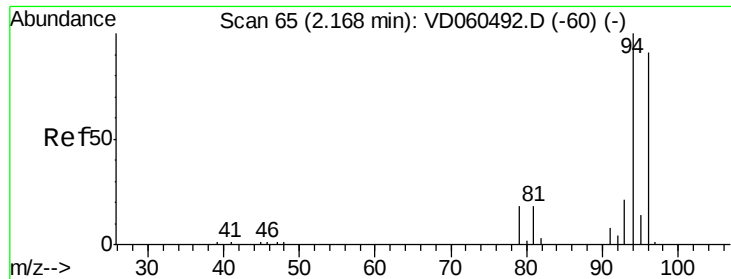
64 31.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.088 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 194140

Ion Ratio Lower Upper

94 100

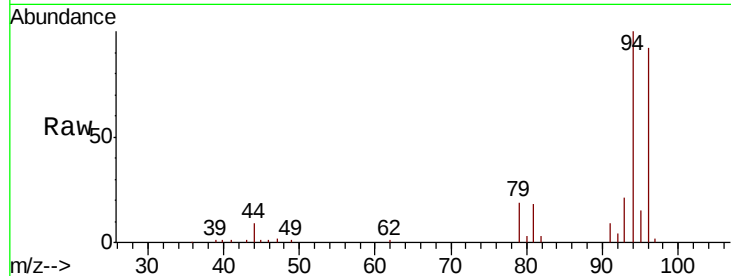
96 92.4 72.6 108.8

Manual Integrations

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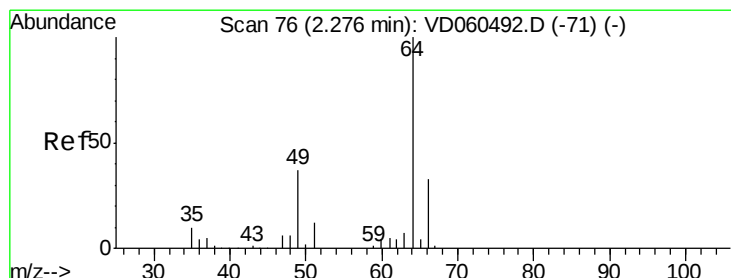
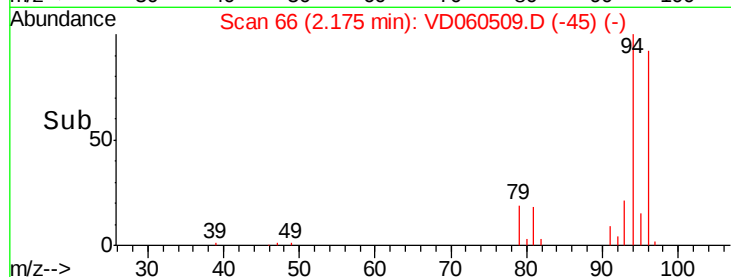
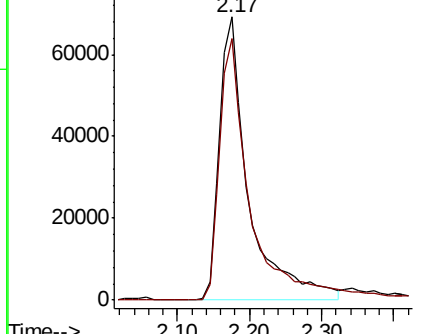
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.080 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060509.D

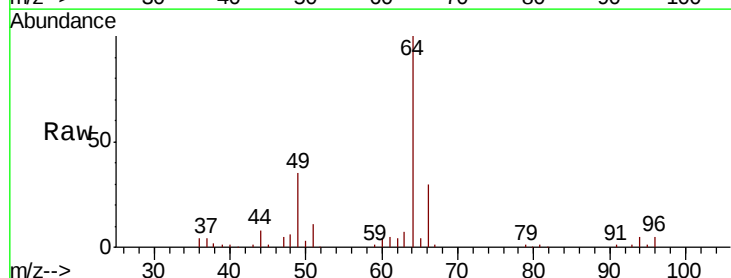
Acq: 7 Dec 2018 10:31

Tgt Ion: 64 Resp: 237704

Ion Ratio Lower Upper

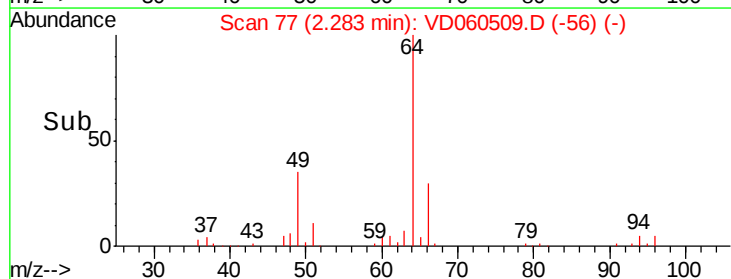
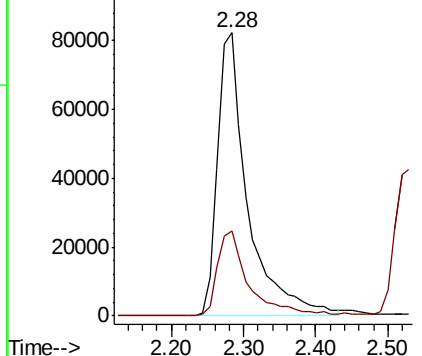
64 100

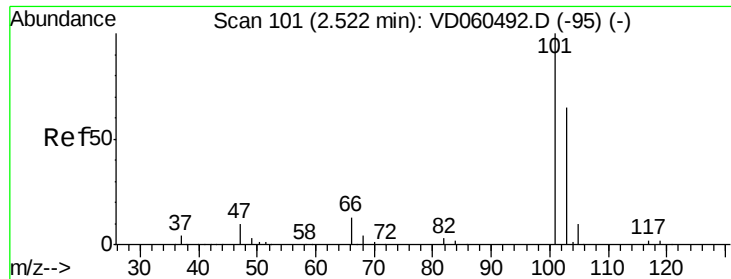
66 29.8 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

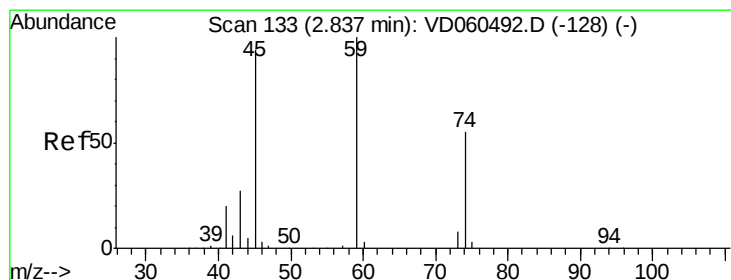
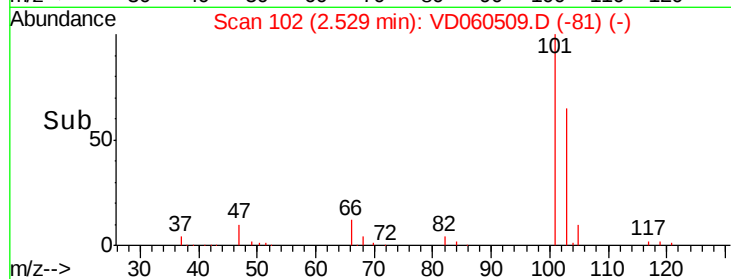
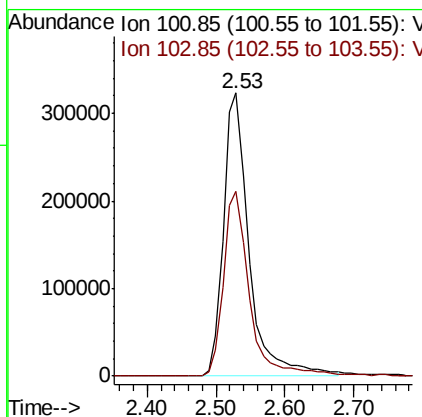
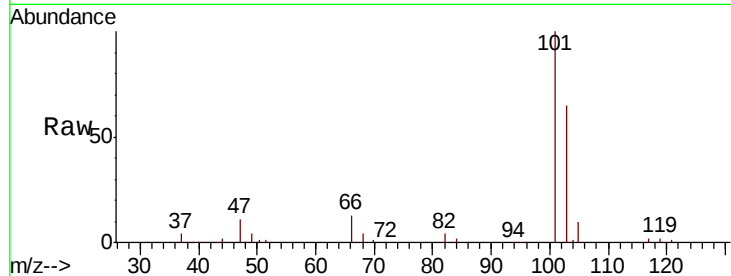
Trichlorofluoromethane
Concen: 48.292 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
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Tot Ion:101 Resp: 830760
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.8

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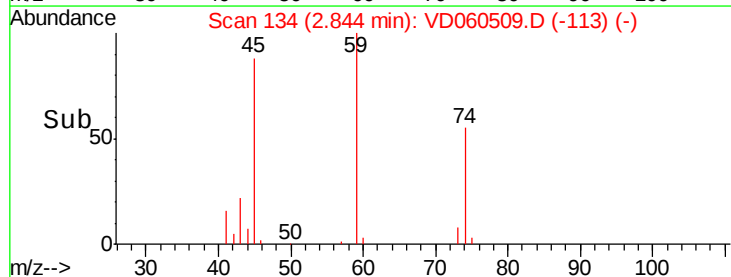
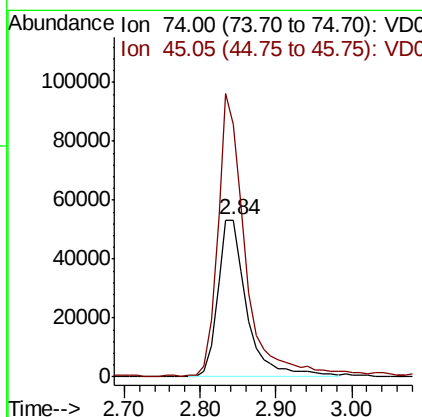
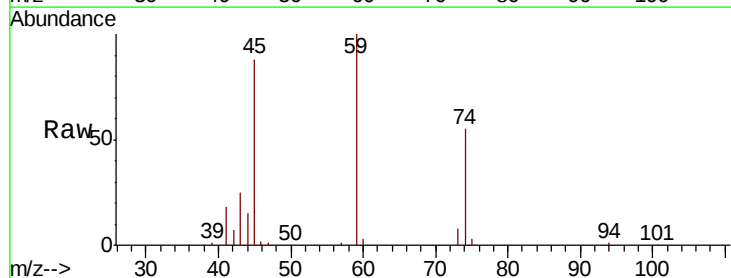
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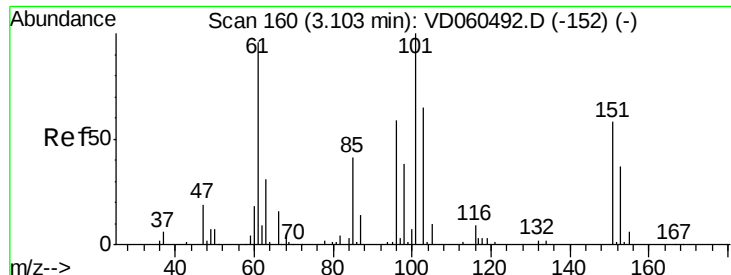


#8

Diethyl Ether
Concen: 48.017 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 74 Resp: 142675
Ion Ratio Lower Upper
74 100
45 161.1 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.607 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

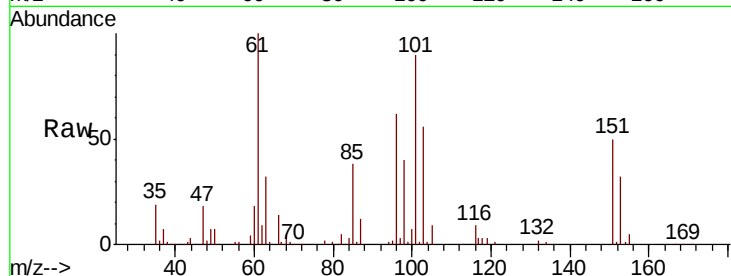
ClientSampleId :

VSTDCCC050

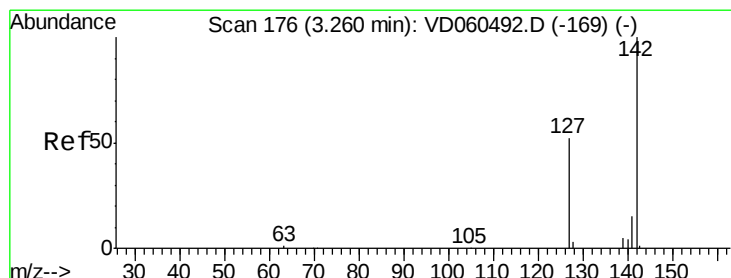
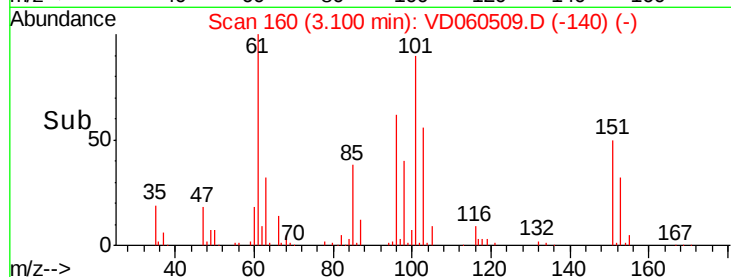
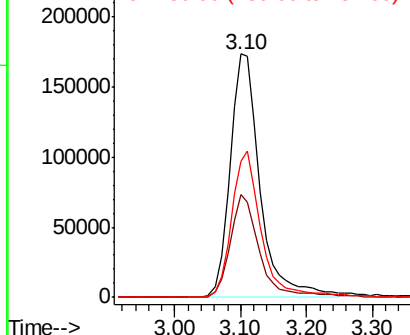
Tot Ion:	101	Resp:	553701
Ion Ratio	Lower	Upper	
101	100		
85	42.1	32.7	49.1
151	55.8	46.6	69.8

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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: 49.048 ug/l

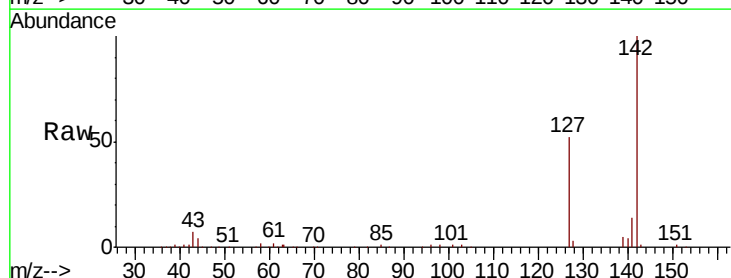
RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

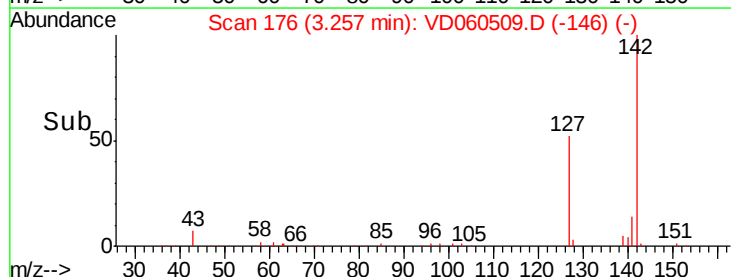
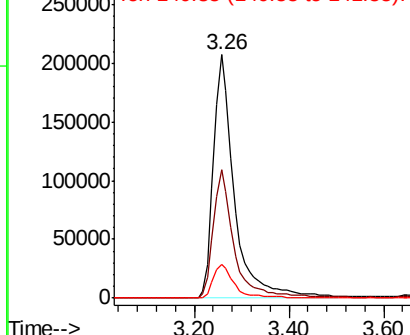
Lab File: VD060509.D

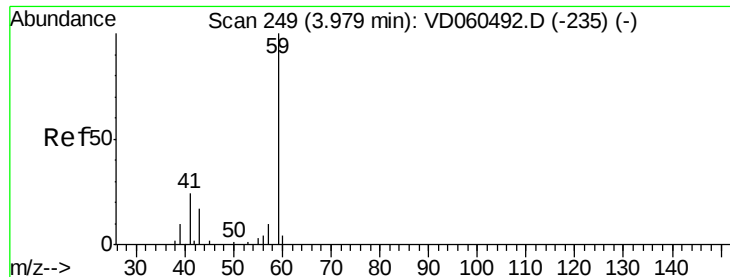
Acq: 7 Dec 2018 10:31

Tgt Ion:	142	Resp:	639928
Ion Ratio	Lower	Upper	
142	100		
127	52.5	41.2	61.8
141	13.8	11.9	17.9



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

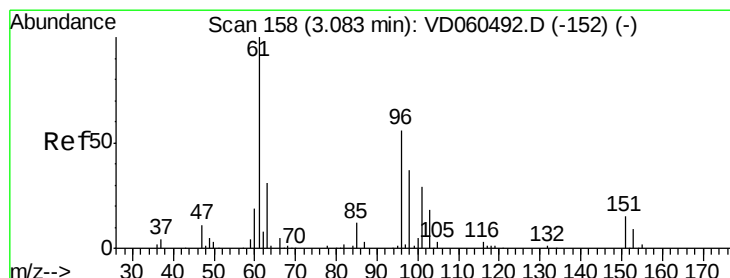
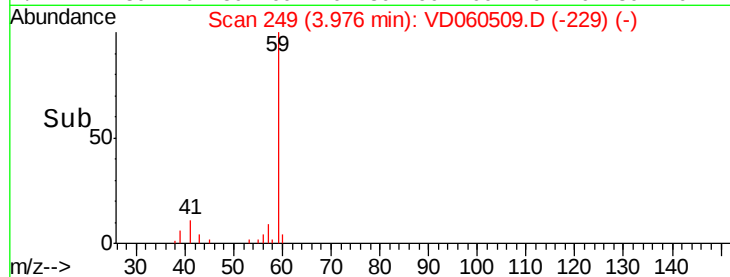
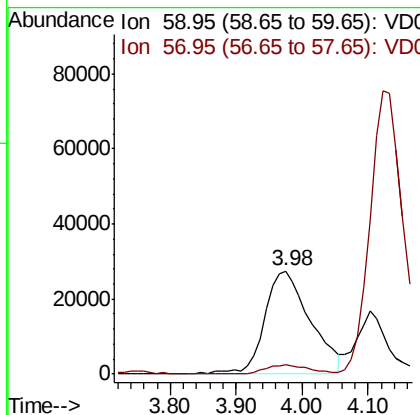
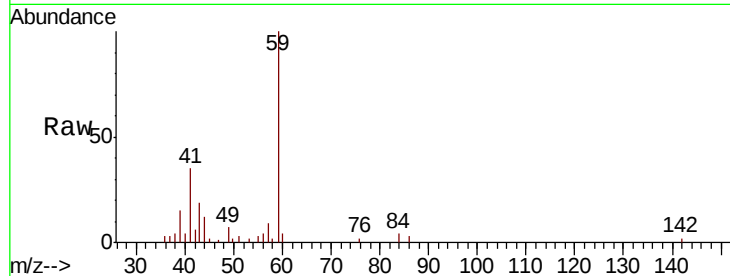
Tert butyl alcohol
Concen: 251.997 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.1	12.1

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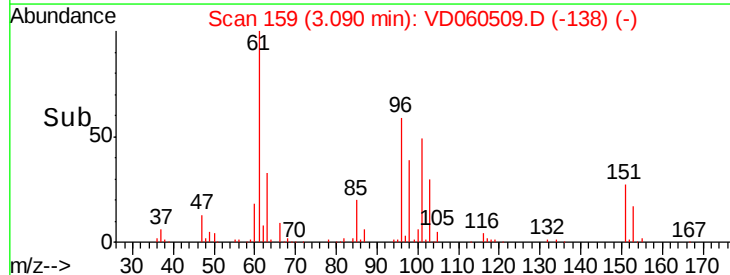
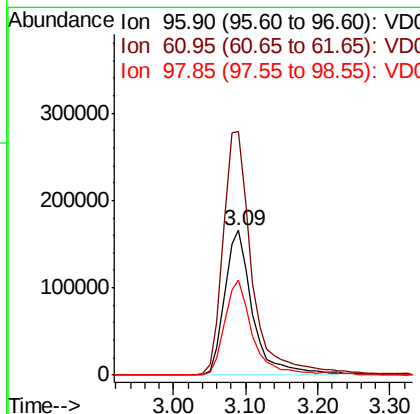
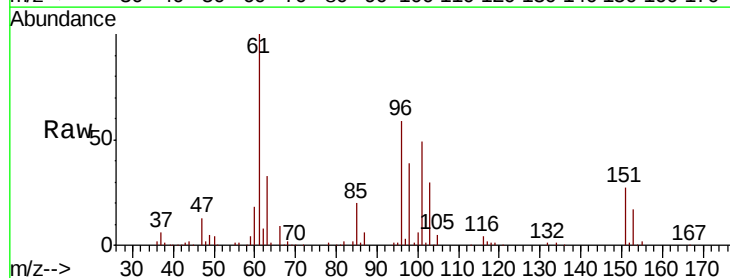
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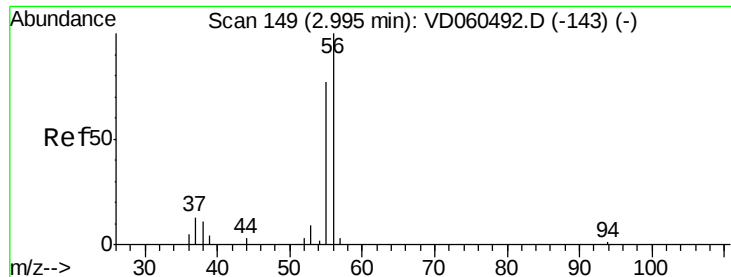


#12

1,1-Dichloroethene
Concen: 49.156 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	143.0	214.4
98	65.9	53.4	80.0





#13

Acrolein

Concen: 247.632 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 141568

Ion Ratio Lower Upper

56 100

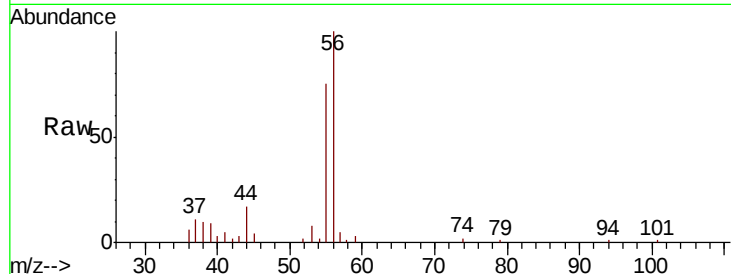
55 74.9 62.0 93.0

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

50000

40000

30000

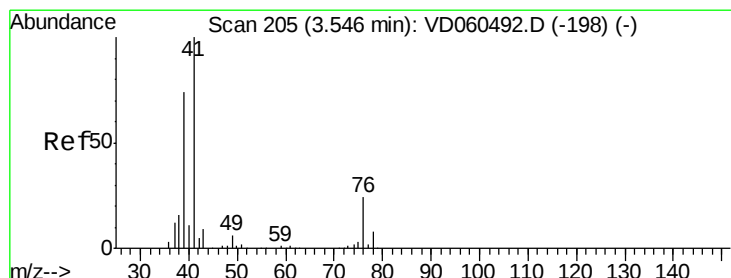
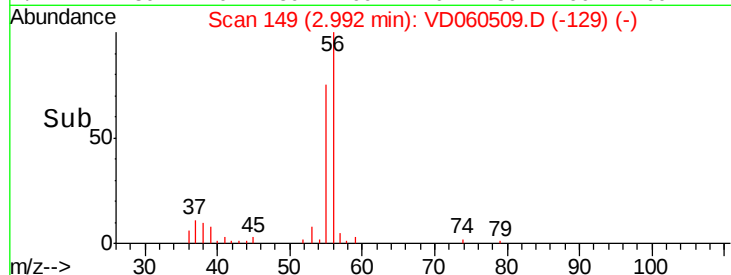
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 48.932 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

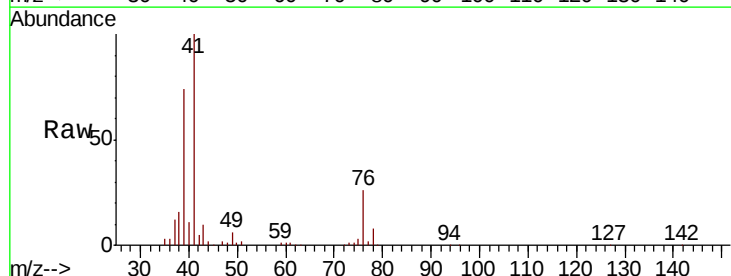
Tgt Ion: 41 Resp: 843108

Ion Ratio Lower Upper

41 100

39 73.8 59.3 88.9

76 26.1 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

600000

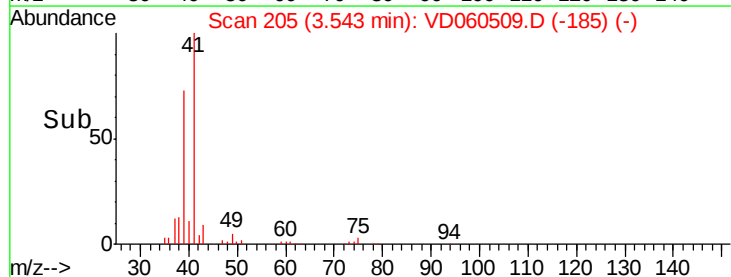
400000

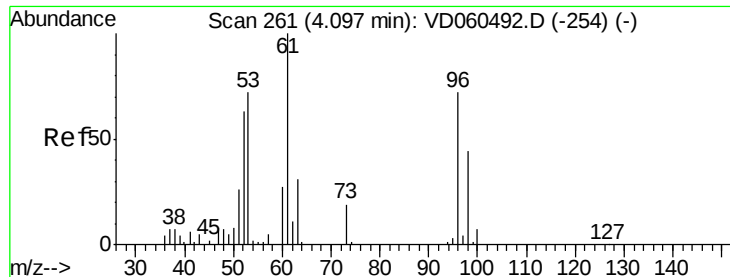
200000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 243.662 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

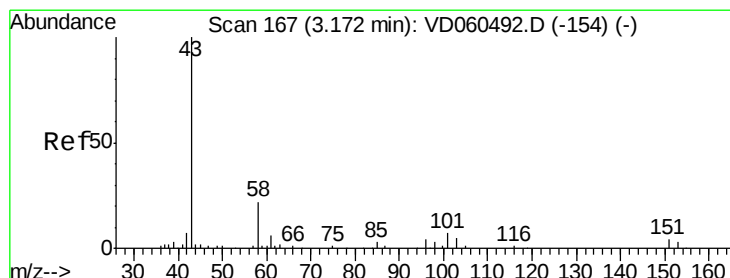
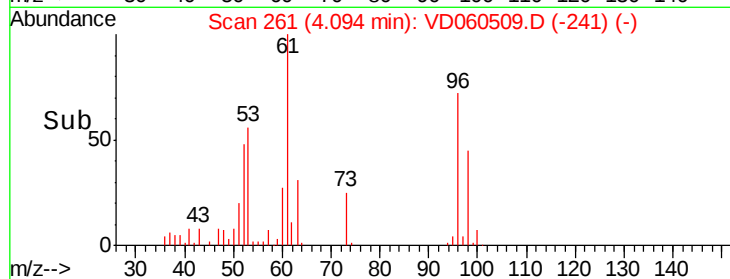
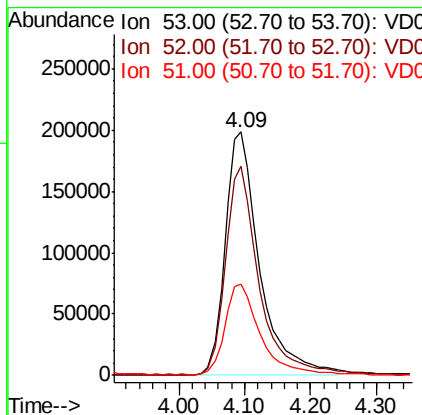
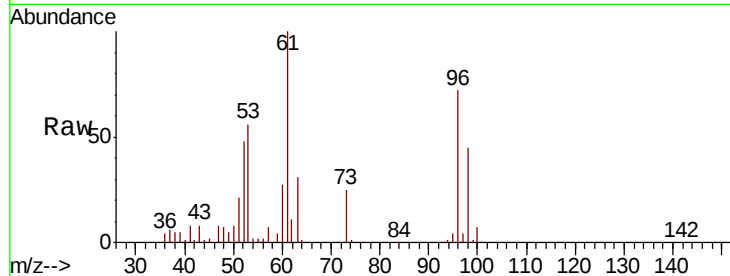
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	723857
Ion Ratio	Lower	Upper	
53	100		
52	85.7	70.0	105.0
51	37.5	28.8	43.2

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#16

Acetone

Concen: 290.498 ug/l

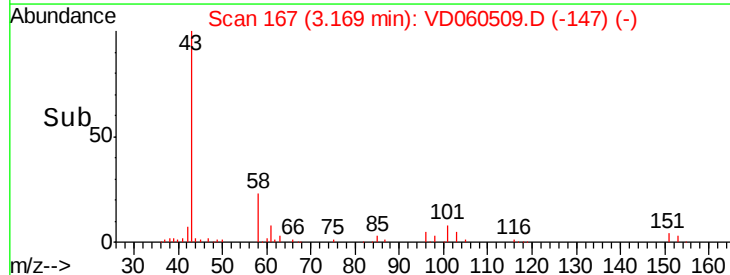
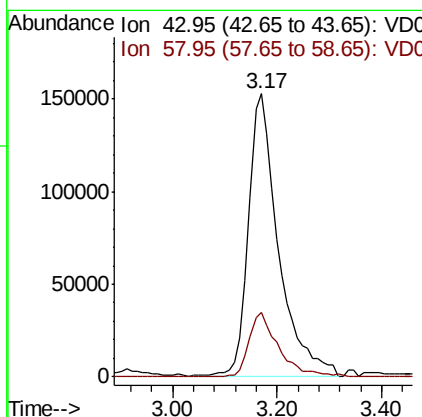
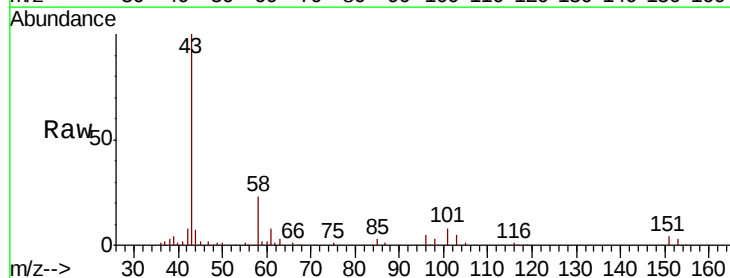
RT: 3.17 min Scan# 167

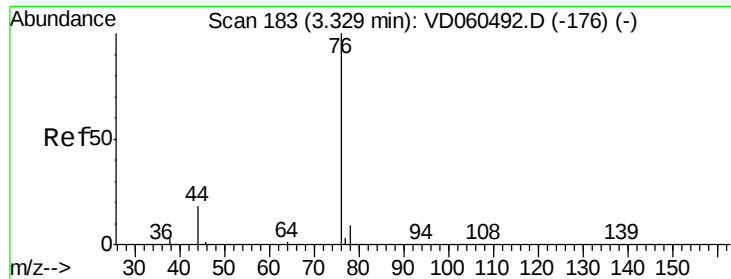
Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion:	43	Resp:	599656
Ion Ratio	Lower	Upper	
43	100		
58	22.8	17.3	25.9





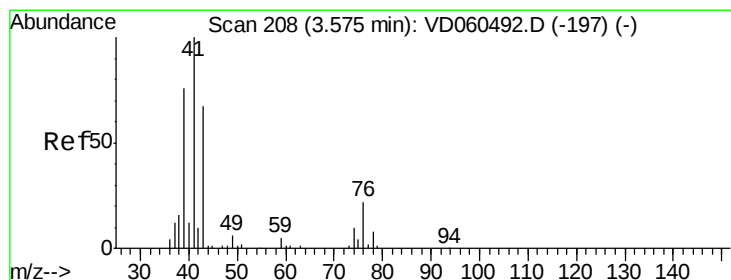
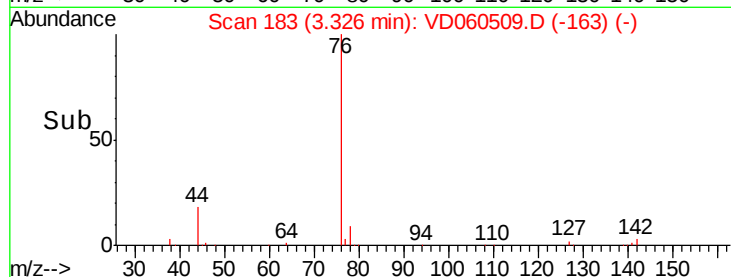
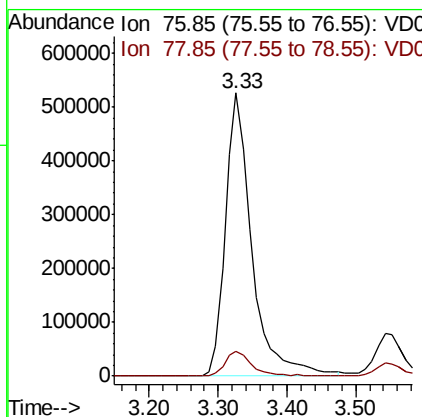
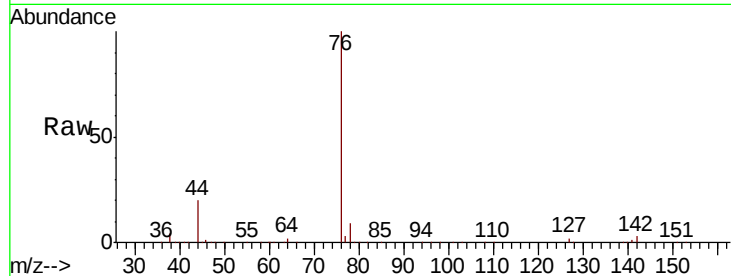
#17
Carbon Disulfide
Concen: 47.290 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1395007
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

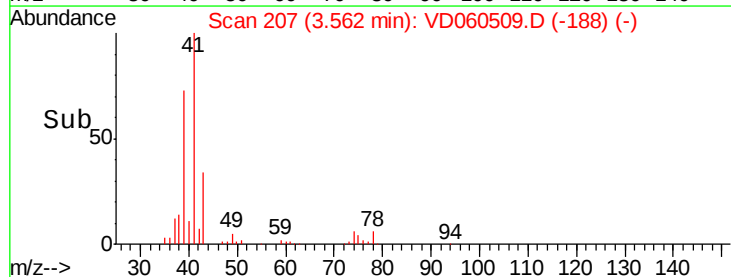
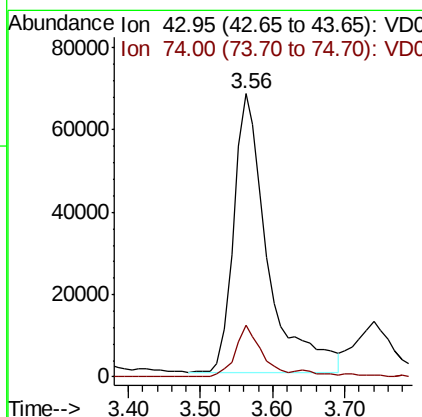
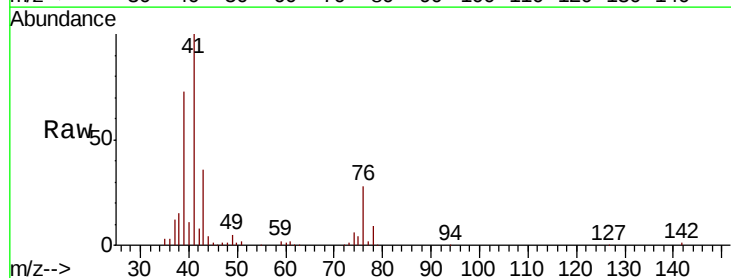
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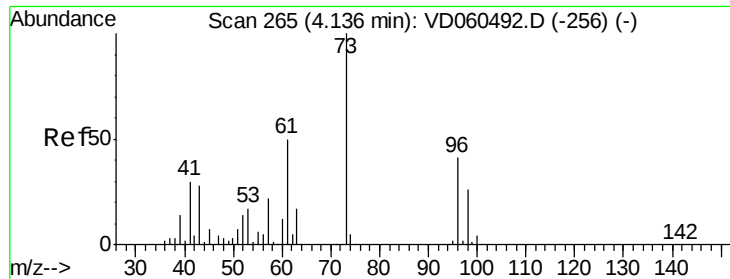
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#18
Methyl Acetate
Concen: 45.840 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 43 Resp: 224888
Ion Ratio Lower Upper
43 100
74 18.1 12.0 18.0#





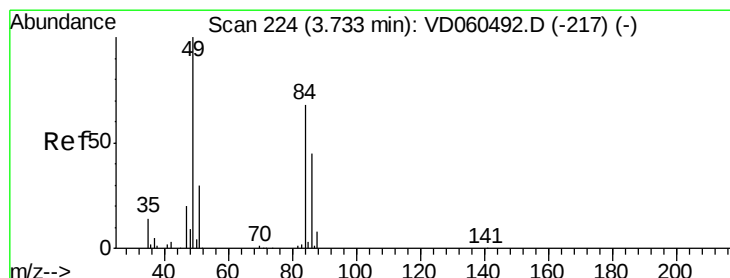
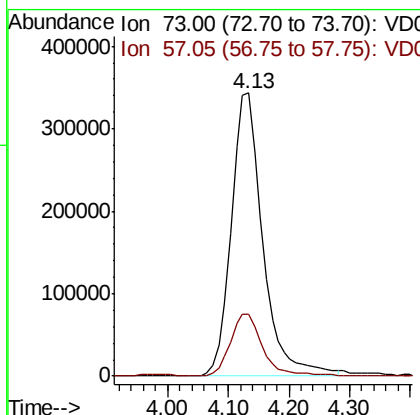
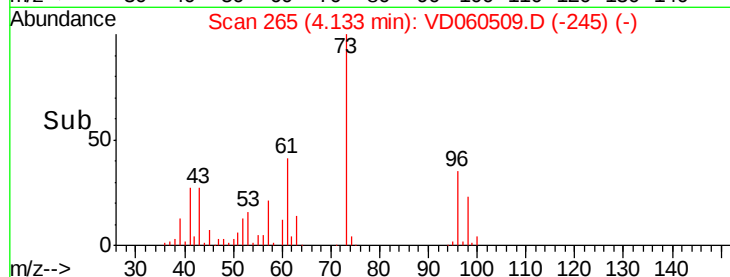
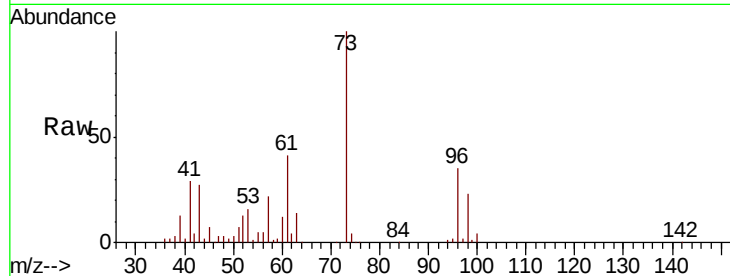
#19
Methyl tert-butyl Ether
Concen: 49.409 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1244330
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6

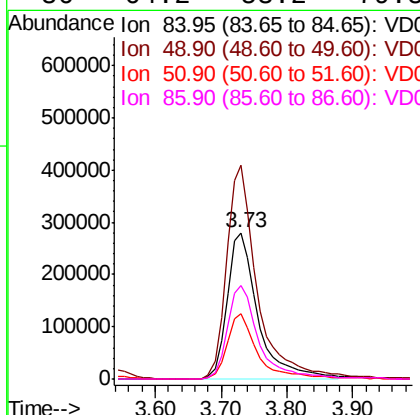
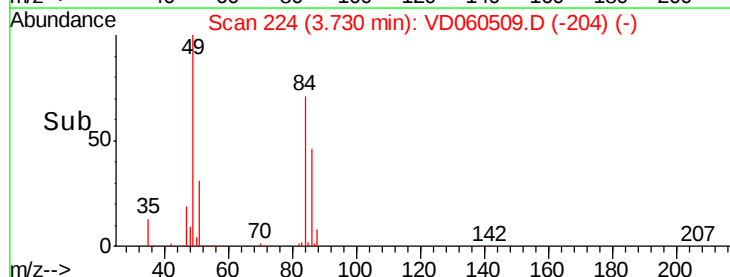
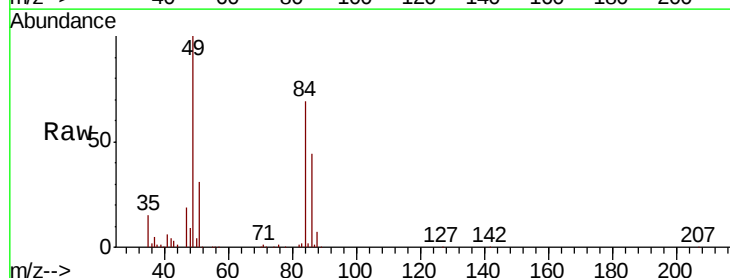
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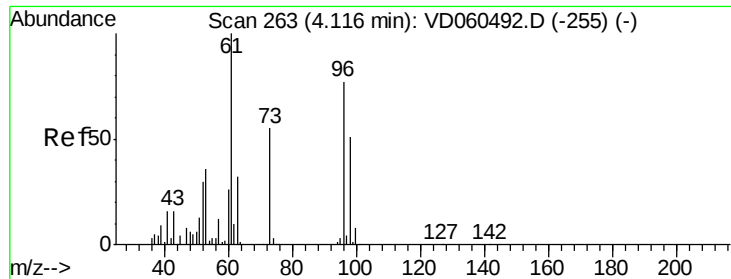
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#20
Methylene Chloride
Concen: 48.395 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 84 Resp: 919994
Ion Ratio Lower Upper
84 100
49 145.8 117.2 175.8
51 45.0 35.3 52.9
86 64.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 49.589 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

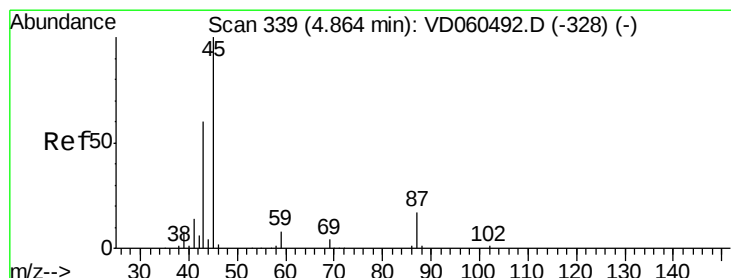
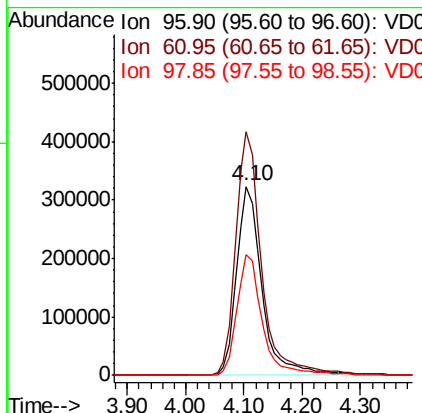
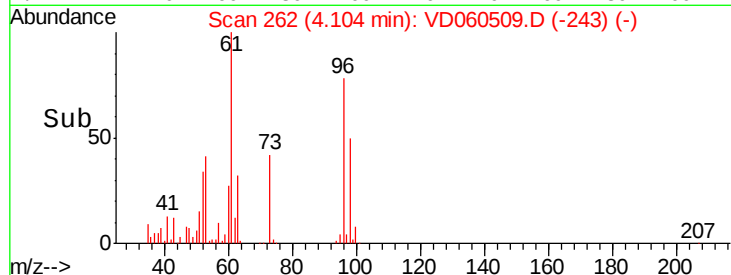
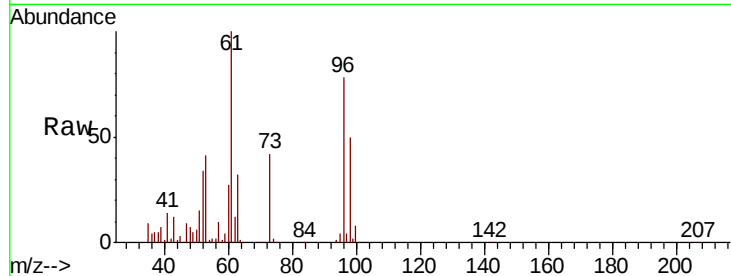
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	979590
Ion	Ratio	Lower	Upper
96	100		
61	128.7	104.2	156.4
98	64.1	52.8	79.2

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#22

Diisopropyl ether

Concen: 48.958 ug/l

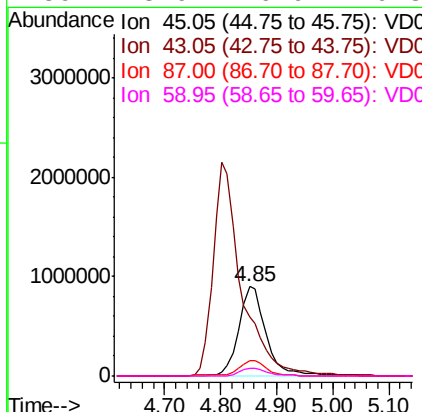
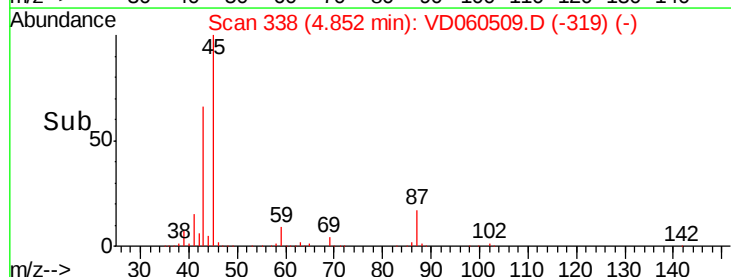
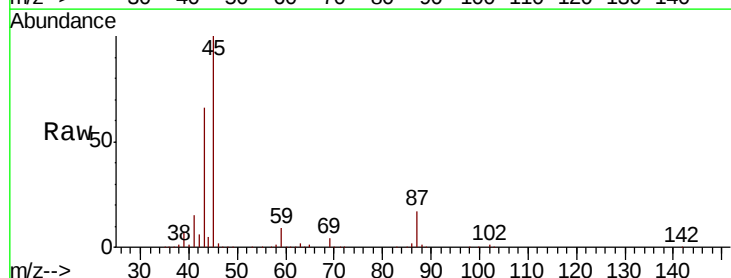
RT: 4.85 min Scan# 338

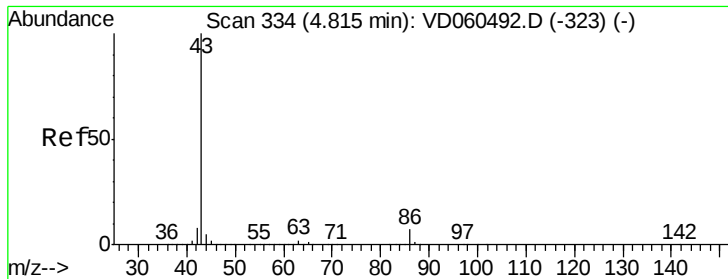
Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion:	45	Resp:	3028685
Ion	Ratio	Lower	Upper
45	100		
43	66.3	48.6	73.0
87	16.9	14.0	21.0
59	8.9	6.9	10.3





#23

Vinyl Acetate

Concen: 246.071 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7542130

Ion Ratio Lower Upper

43 100

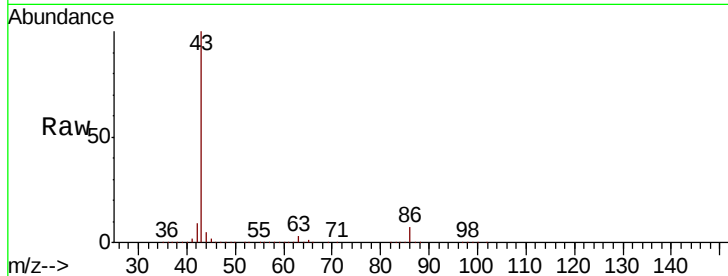
86 6.7 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

2500000 Ion 86.00 (85.70 to 86.70): VDC

2000000

1500000

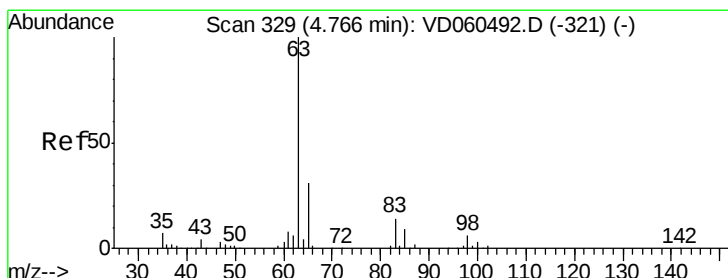
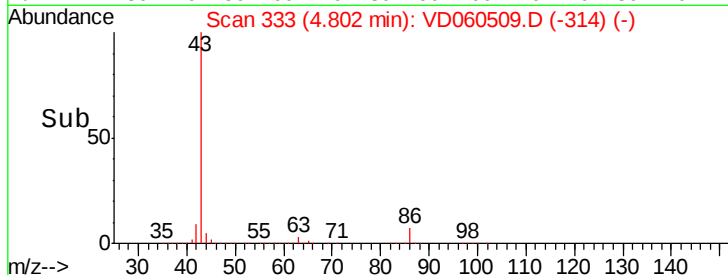
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.165 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

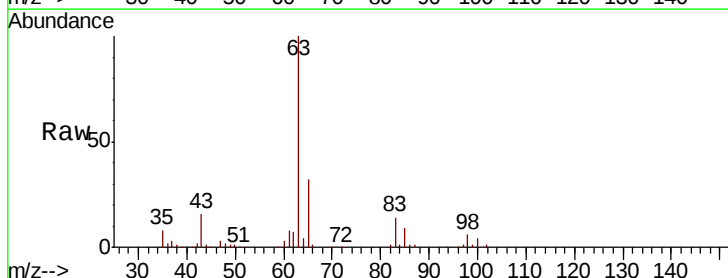
Tgt Ion: 63 Resp: 1580062

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 3.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

600000

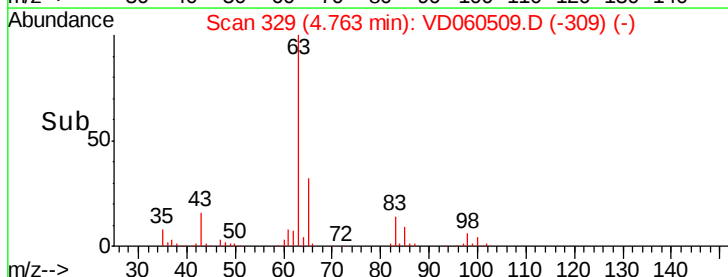
400000

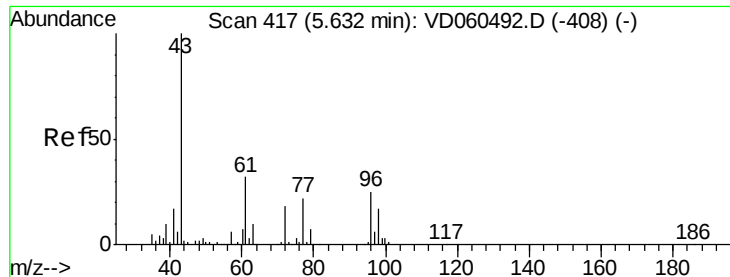
200000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 273.373 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1110220

Ion Ratio Lower Upper

43 100

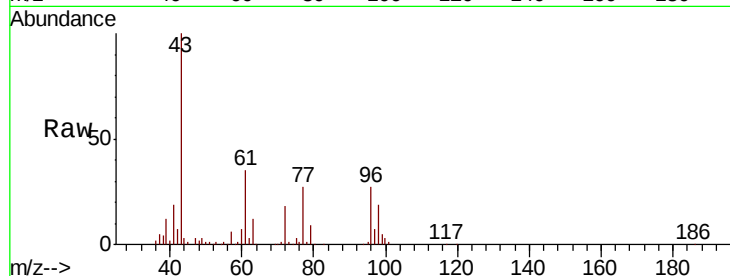
72 17.8 14.6 21.8

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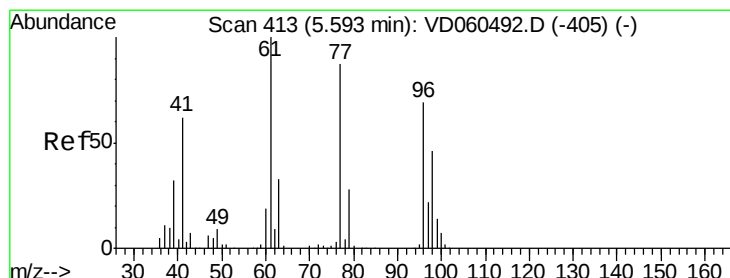
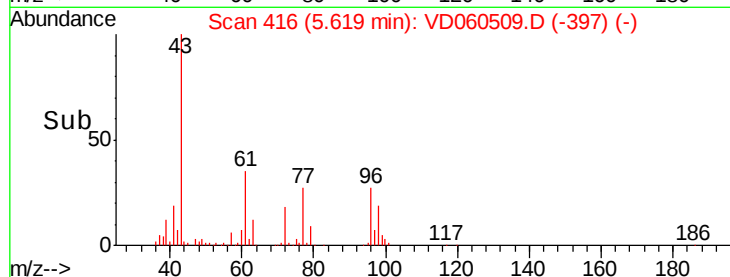
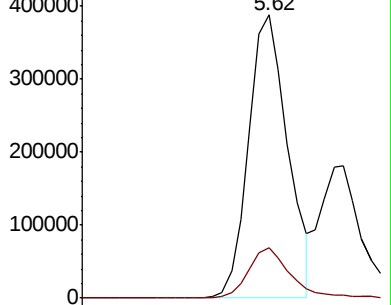
apatel

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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: 51.223 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060509.D

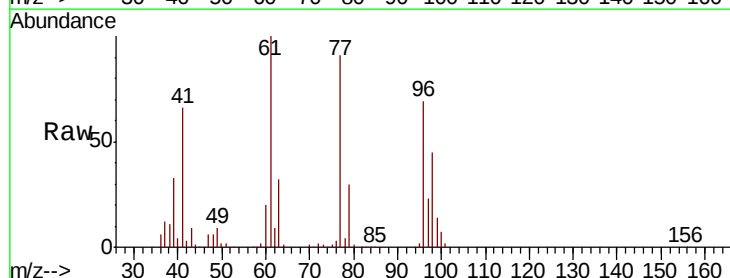
Acq: 7 Dec 2018 10:31

Tgt Ion: 77 Resp: 1271723

Ion Ratio Lower Upper

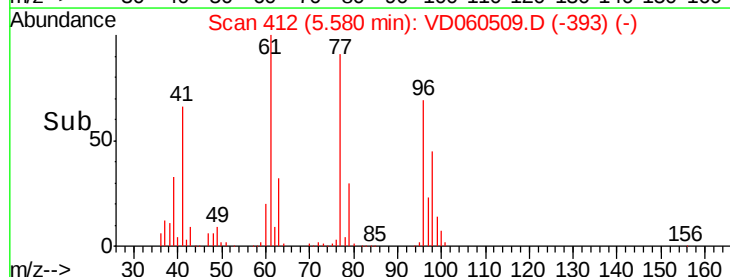
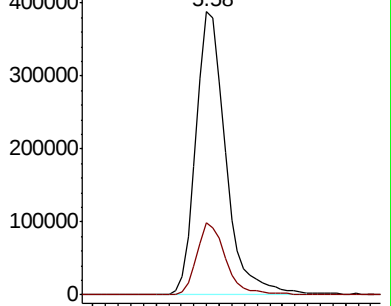
77 100

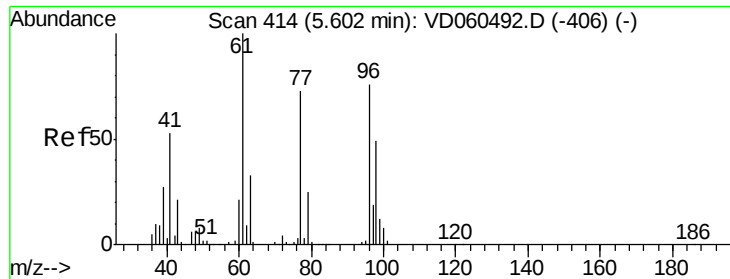
97 25.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

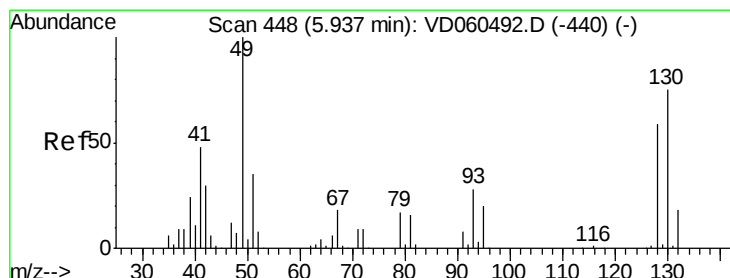
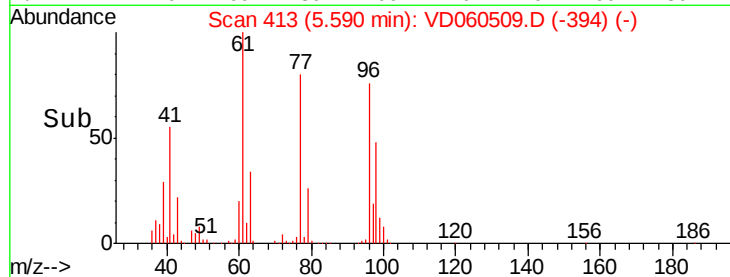
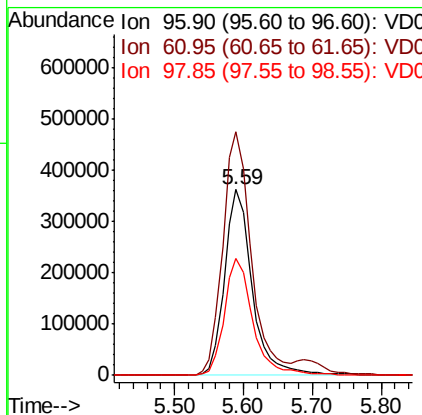
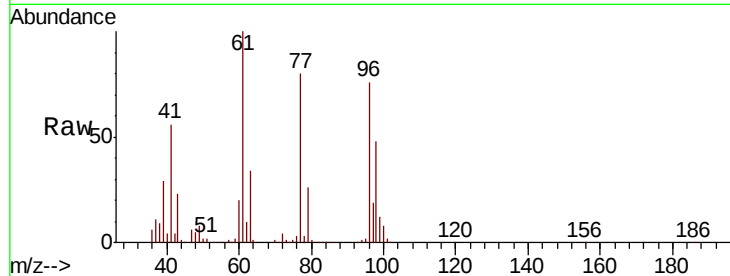
cis-1,2-Dichloroethene
Concen: 50.065 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 1005575
Ion Ratio Lower Upper
96 100
61 131.0 0.0 263.6
98 62.9 0.0 128.2

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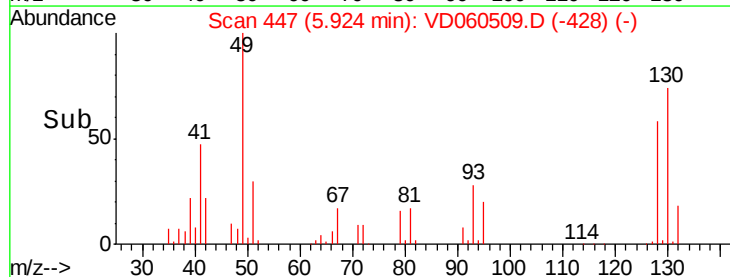
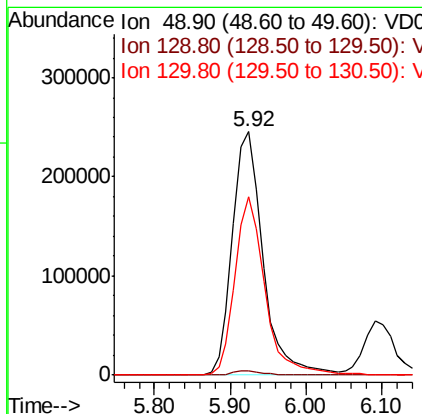
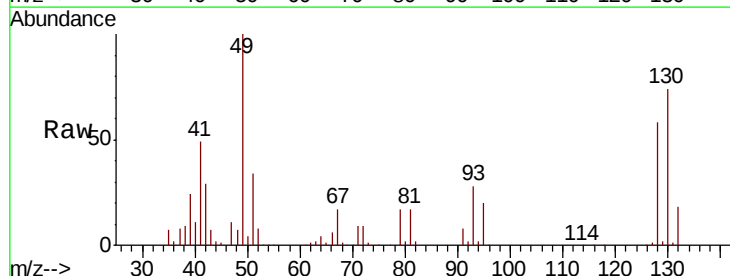
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#28

Bromochloromethane
Concen: 48.445 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 49 Resp: 689700
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 73.5 59.8 89.6





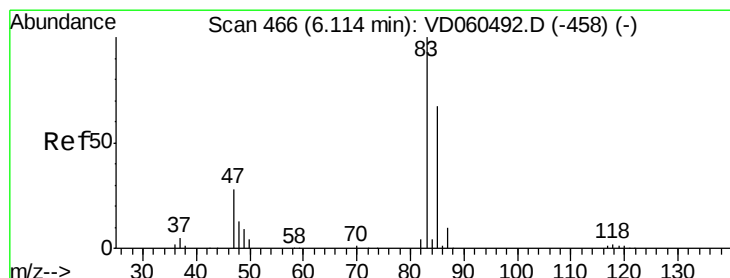
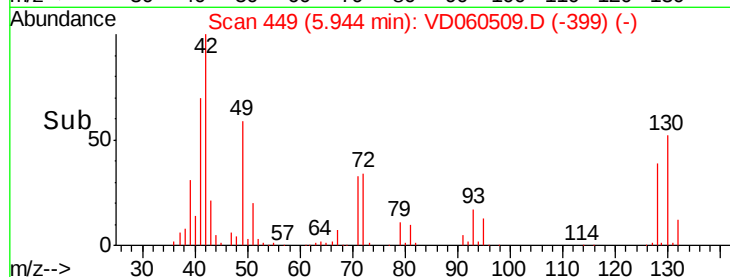
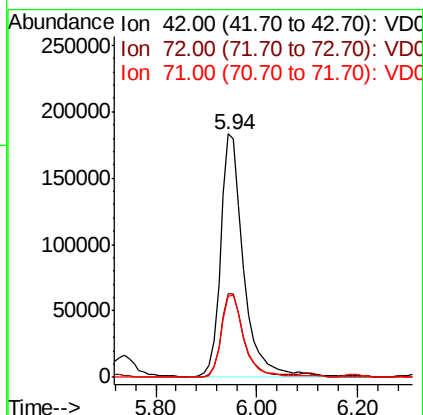
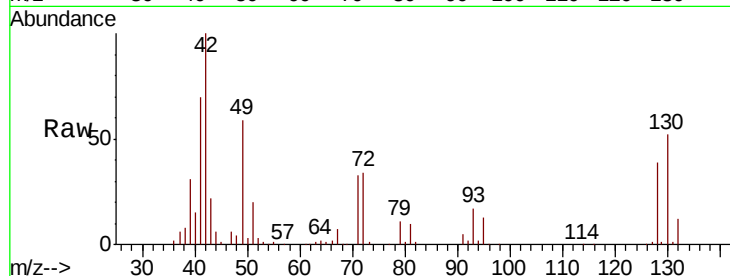
#29
Tetrahydrofuran
Concen: 249.379 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.0	42.0
71	33.8	27.2	40.8

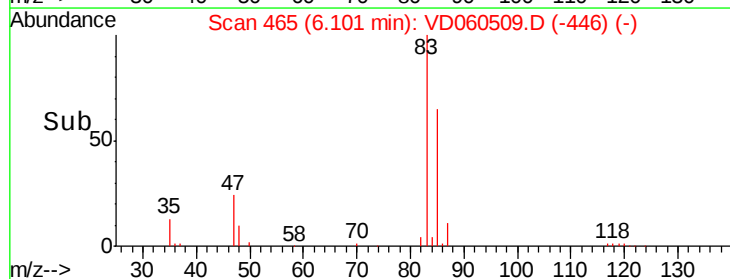
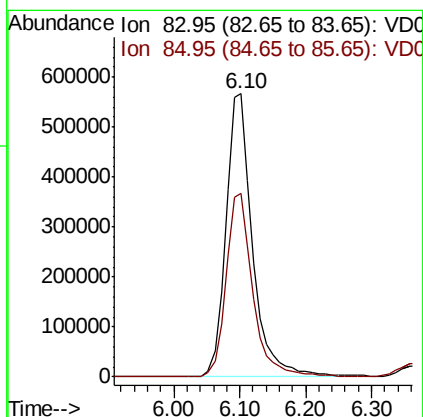
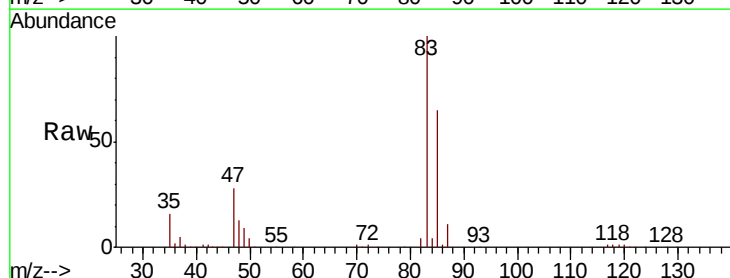
Manual Integrations
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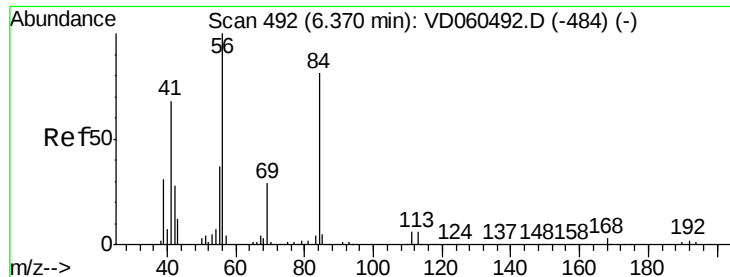
apatel
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#30
Chloroform
Concen: 49.171 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.2





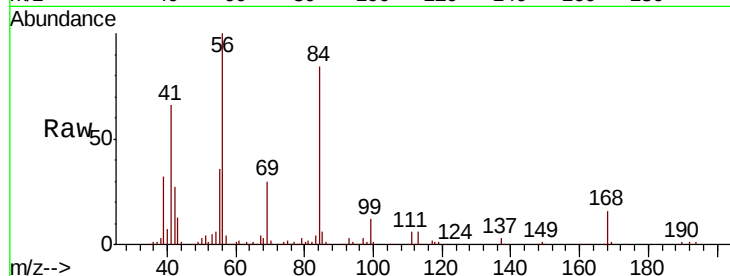
#31
Cyclohexane
Concen: 53.525 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

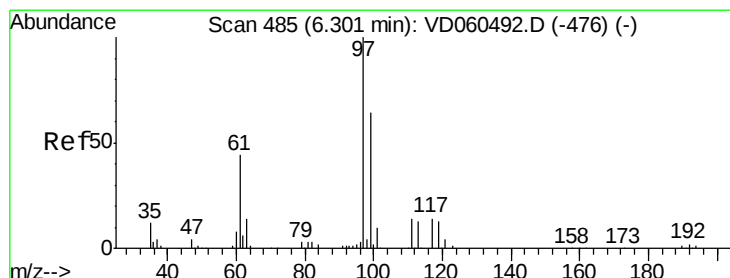
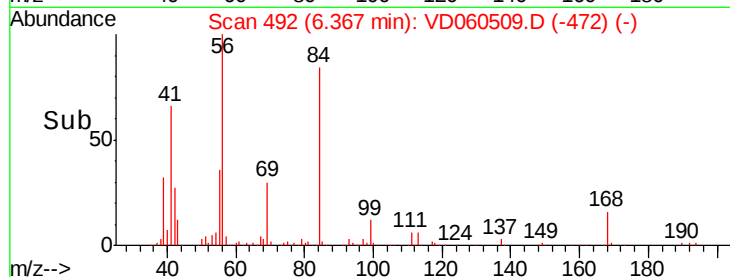
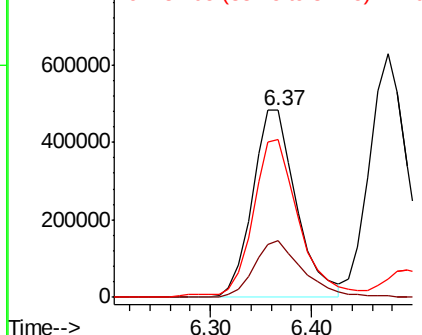
Tot Ion: 56 Resp: 1463525
Ion Ratio Lower Upper
56 100
69 30.2 22.8 34.2
84 84.2 65.1 97.7

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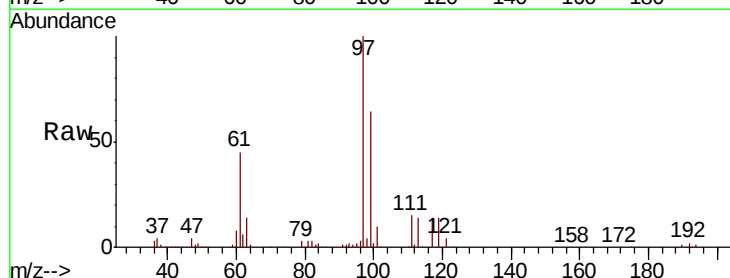


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

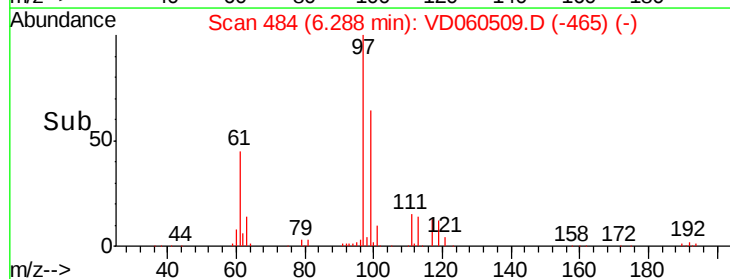
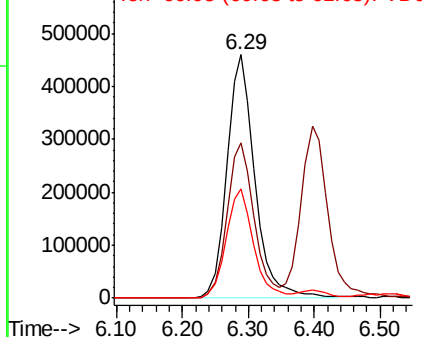


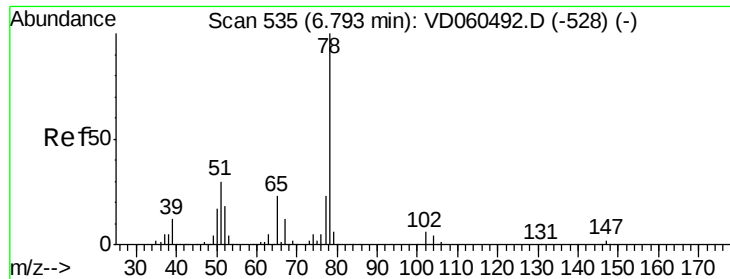
#32
1,1,1-Trichloroethane
Concen: 51.228 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 97 Resp: 1363548
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 44.7 35.3 52.9



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





#33

1,2-Dichloroethane-d4

Concen: 51.228 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 630331

Ion Ratio Lower Upper

65 100

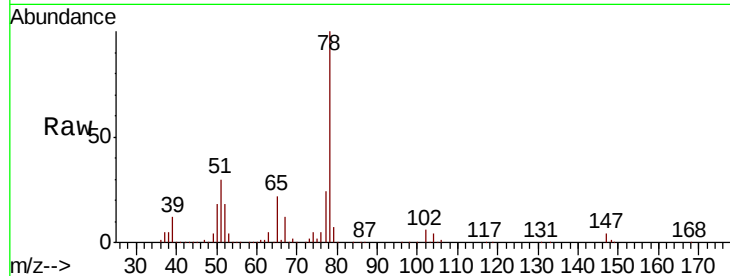
67 52.1 0.0 106.8

Manual Integrations

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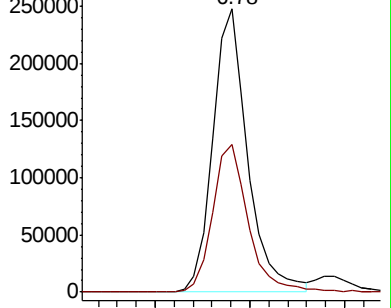
apatel

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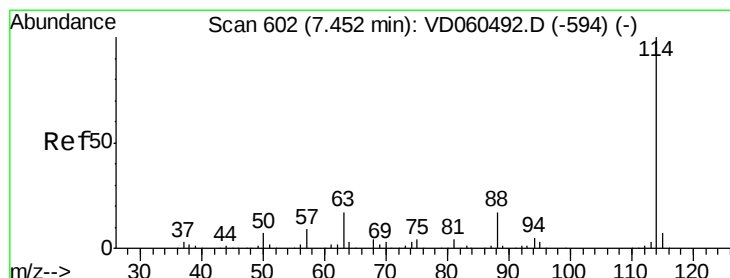
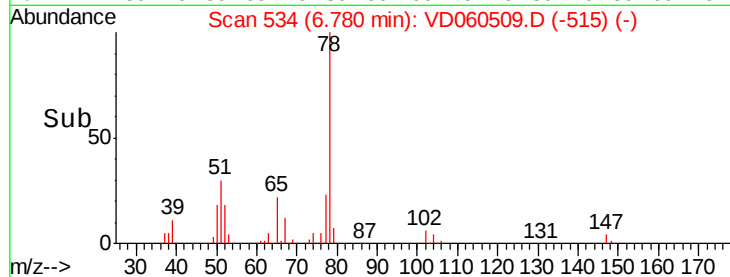


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

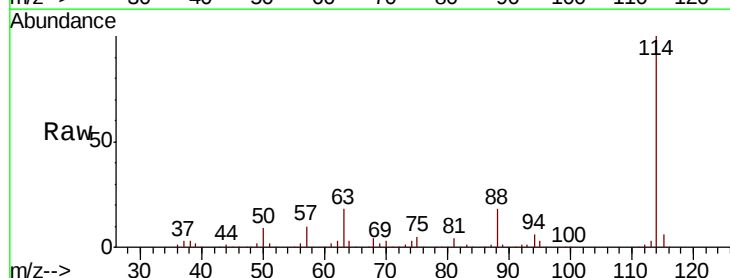
Tgt Ion: 114 Resp: 2494700

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.2

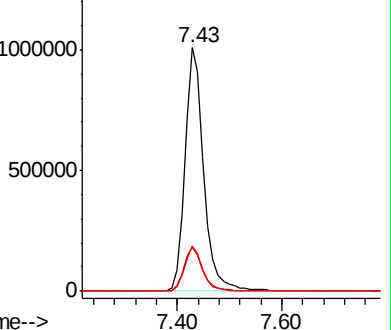
88 18.5 0.0 35.0



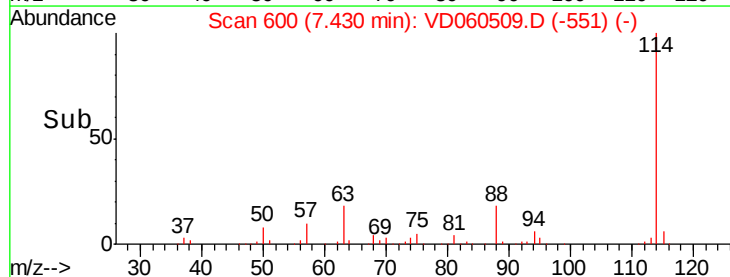
Abundance Ion 114.00 (113.70 to 114.70): V

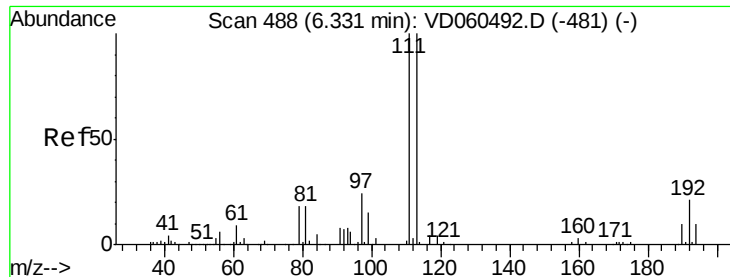
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





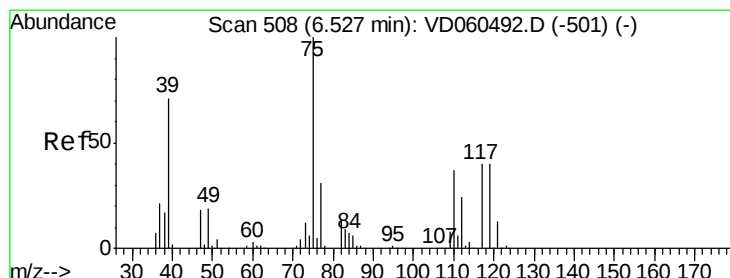
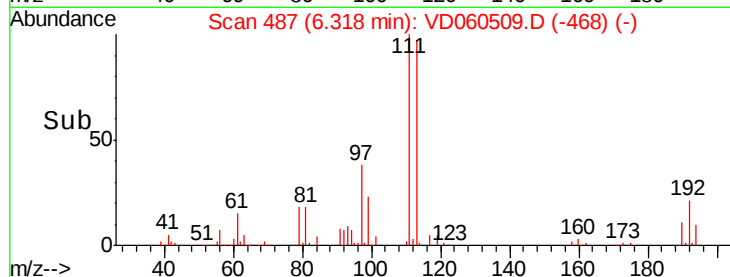
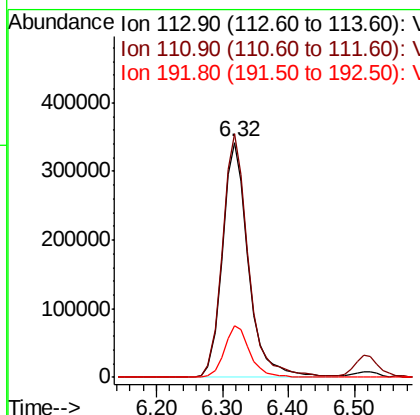
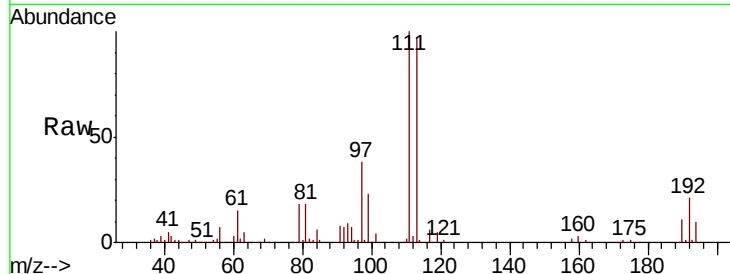
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	80.2	120.4	
192	21.9	16.6	24.8	

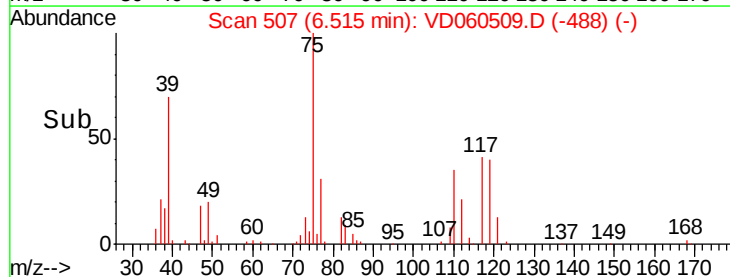
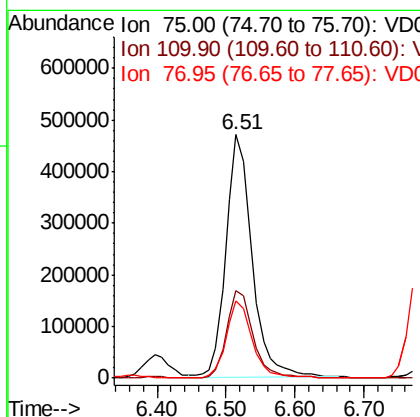
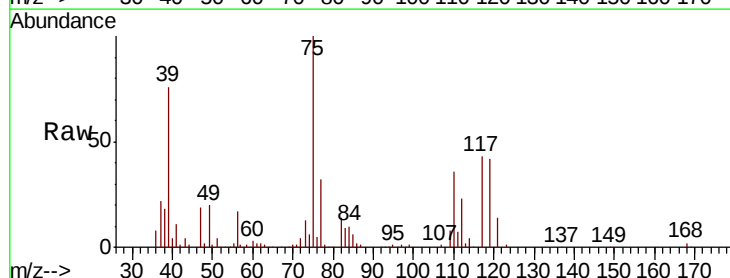
Manual Integrations
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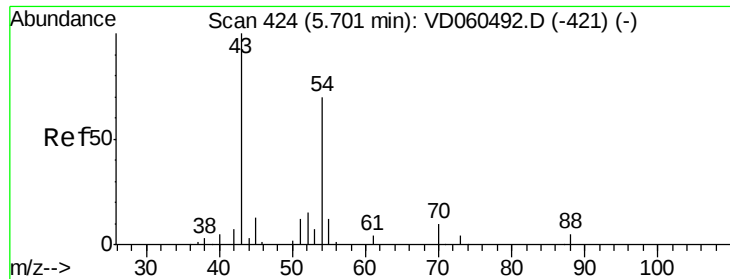
apatel
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#36
 1,1-Dichloropropene
 Concen: 50.529 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.3	54.8	
77	31.6	24.6	37.0	





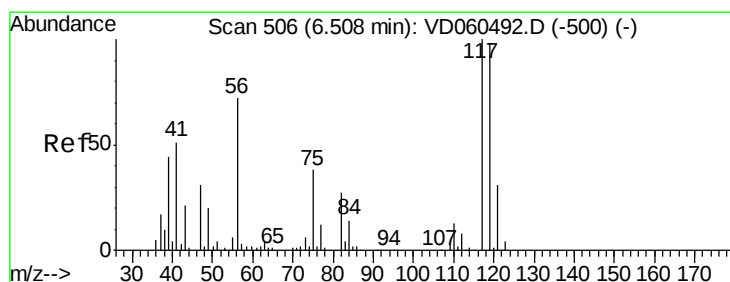
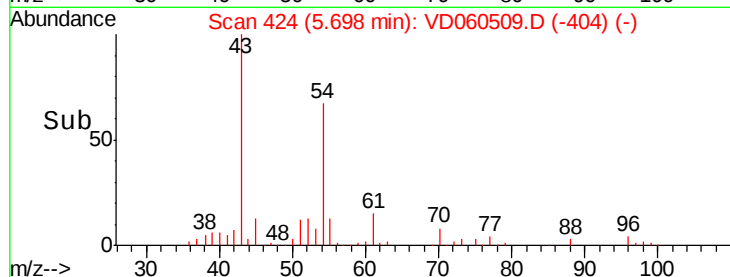
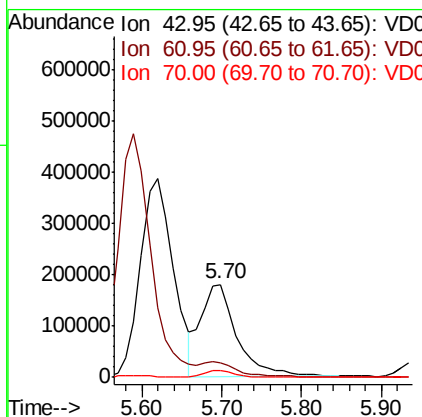
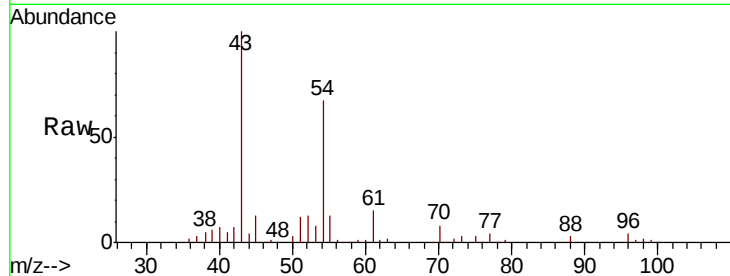
#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	7.8	5.4	8.0

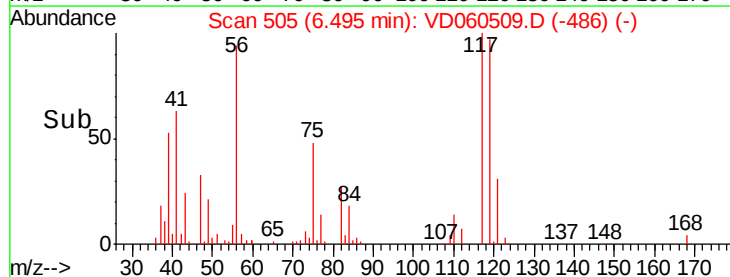
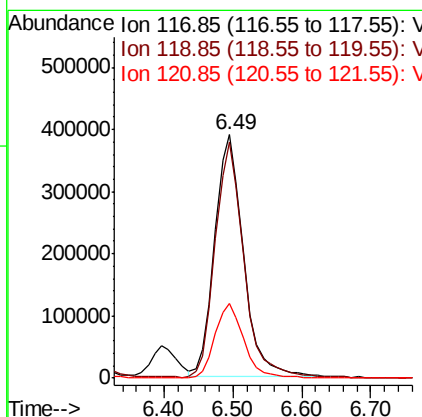
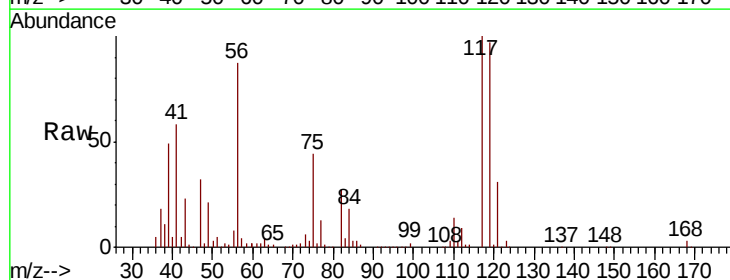
Manual Integrations
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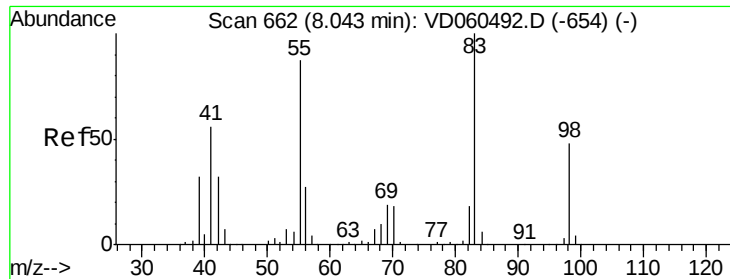
apatel
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#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	30.9	24.4	36.6





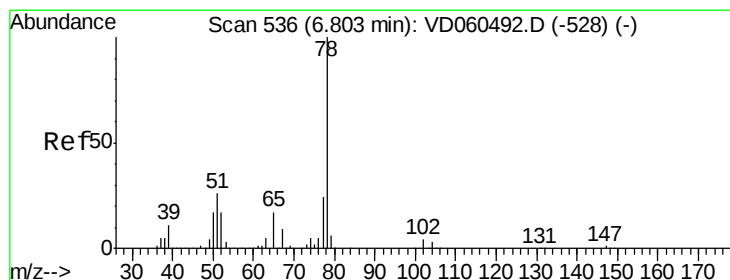
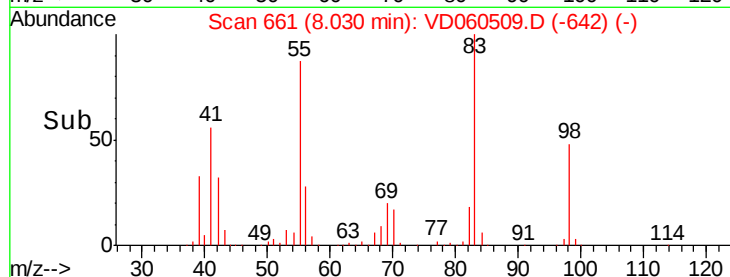
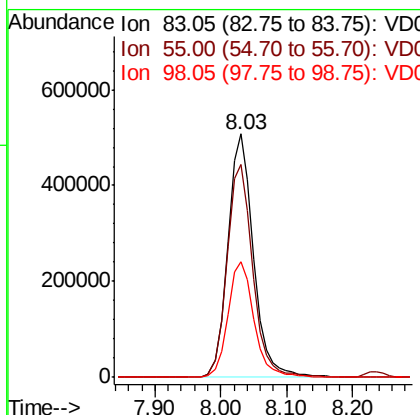
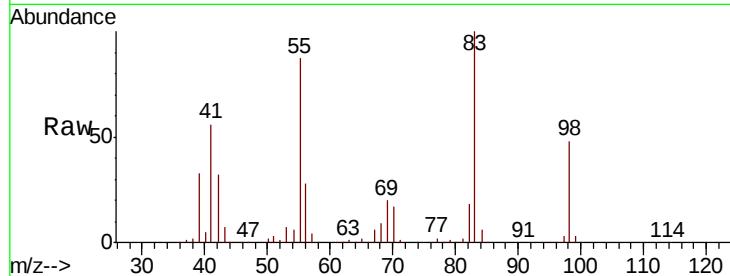
#39
Methvlcvclohexane
Concen: 49.602 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1378864
Ion Ratio Lower Upper
83 100
55 87.4 69.8 104.8
98 47.7 38.4 57.6

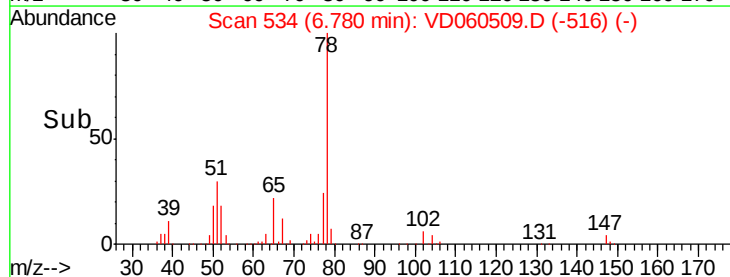
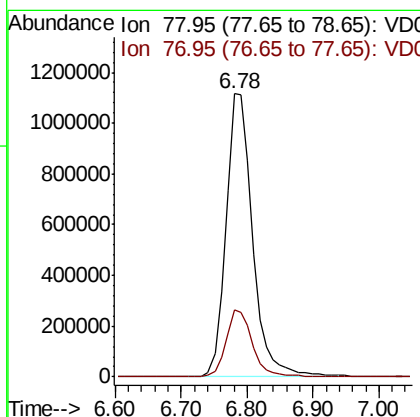
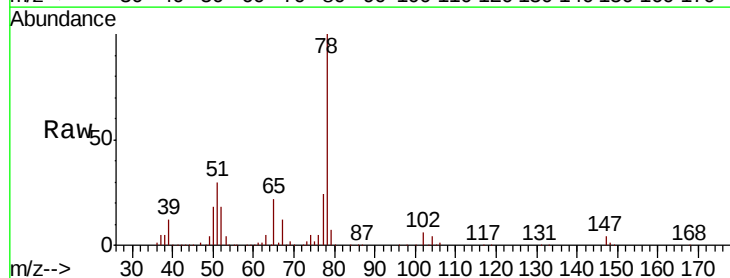
Manual Integrations
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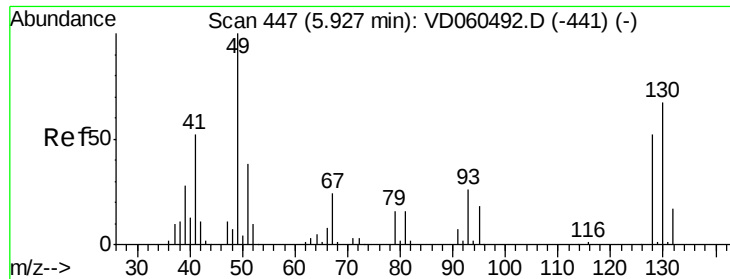
apatel
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#40
Benzene
Concen: 50.633 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 78 Resp: 3155475
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 58.913 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 335857
Ion Ratio Lower Upper

41 100

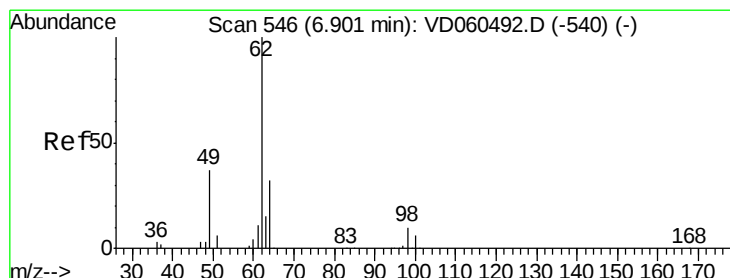
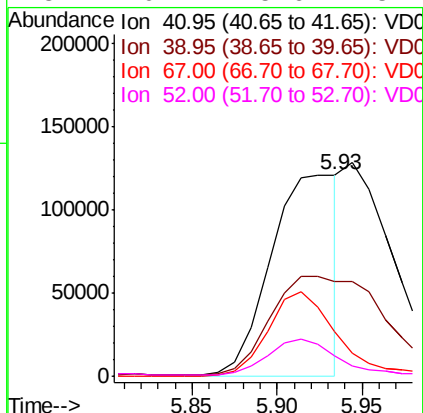
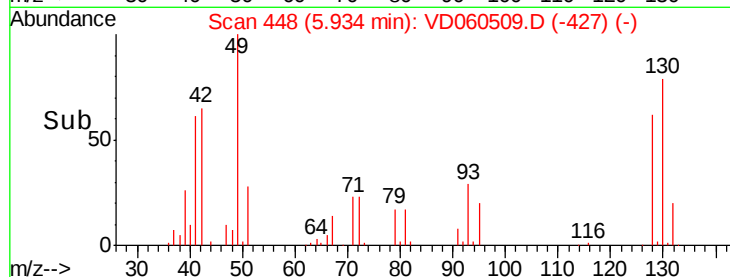
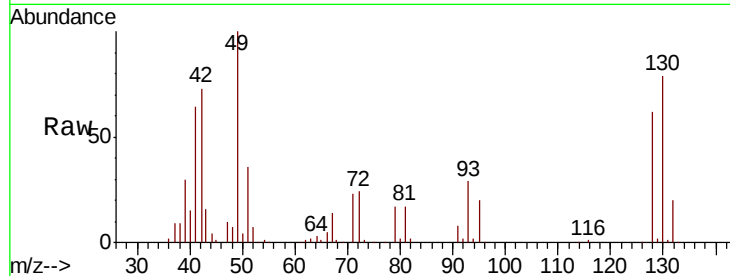
39 47.0 42.6 63.8

67 22.1 36.2 54.4#

52 10.4 15.6 23.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.626 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.01 min

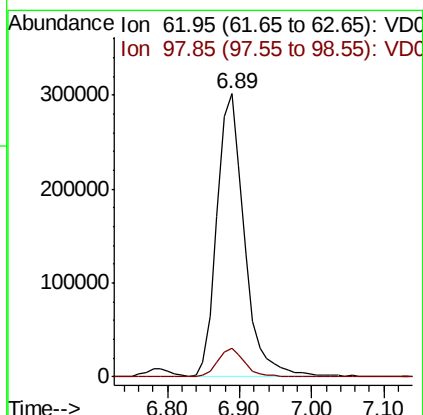
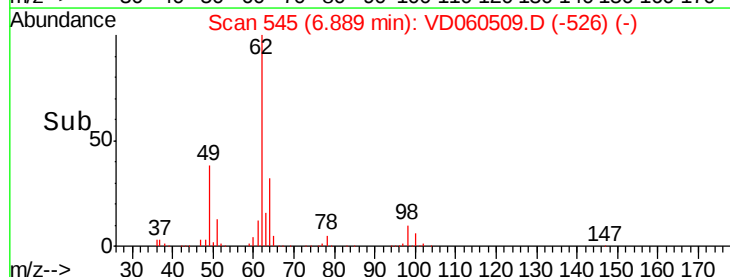
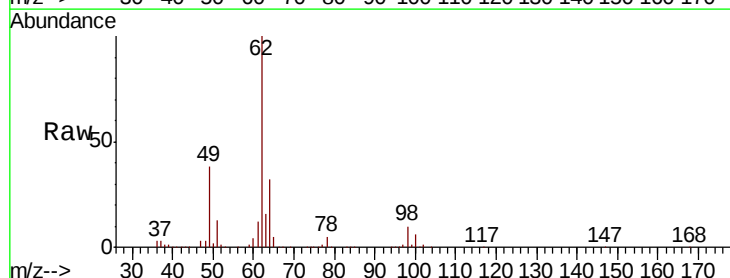
Lab File: VD060509.D

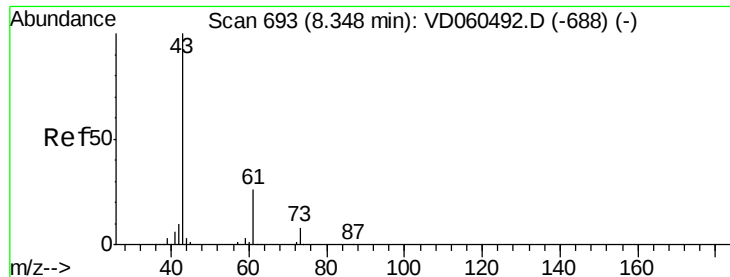
Acq: 7 Dec 2018 10:31

Tgt Ion: 62 Resp: 786358
Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2





#43

Isopropyl Acetate

Concen: 52.111 ug/l

RT: 8.34 min Scan# 692

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

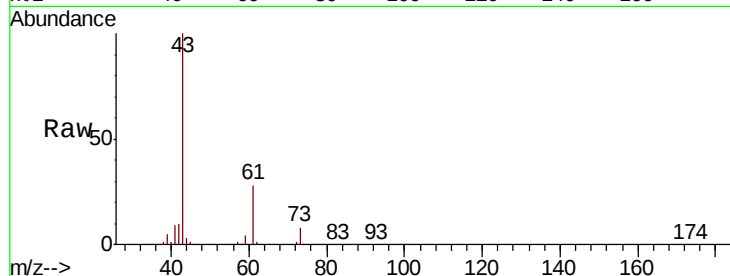
ClientSampleId :

VSTDCCC050

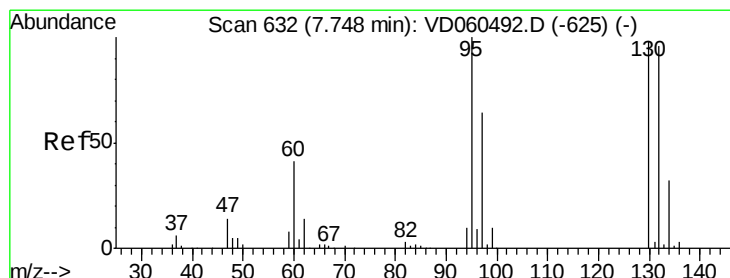
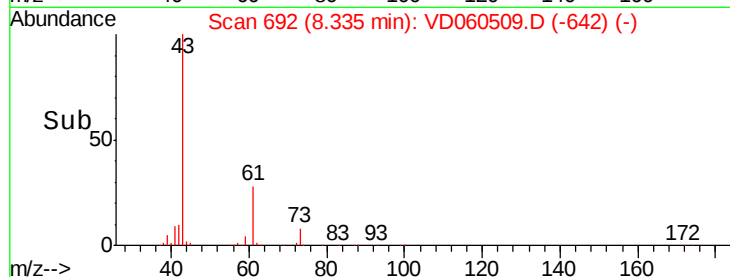
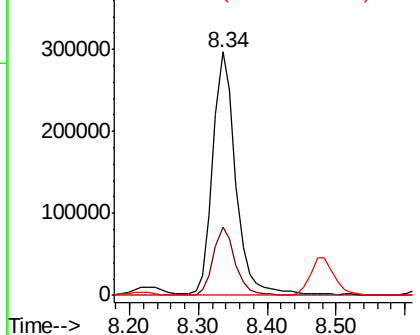
Tot Ion:	43	Resp:	680295
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.0	31.4
87	0.3	0.2	0.2#

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



#44

Trichloroethene

Concen: 51.122 ug/l

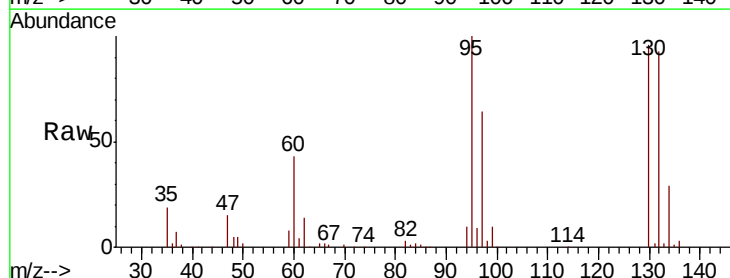
RT: 7.73 min Scan# 630

Delta R.T. -0.02 min

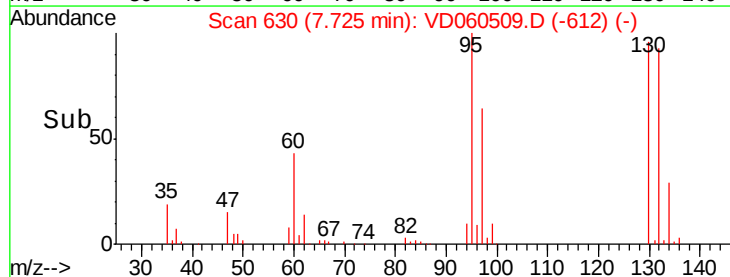
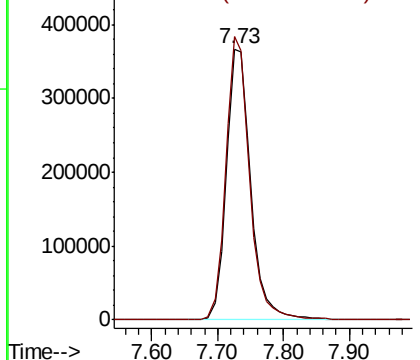
Lab File: VD060509.D

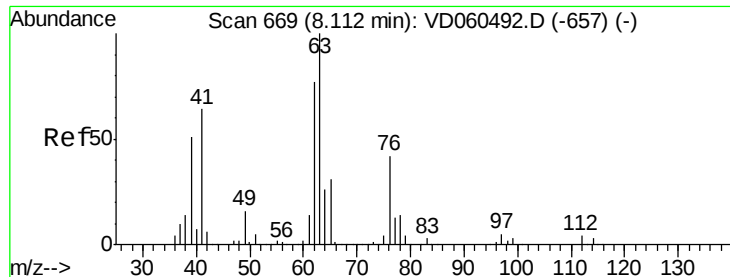
Acq: 7 Dec 2018 10:31

Tgt Ion:	130	Resp:	952135
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	203.8



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





#45

1,2-Dichloropropane

Concen: 51.042 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 786735

Ion Ratio Lower Upper

63 100

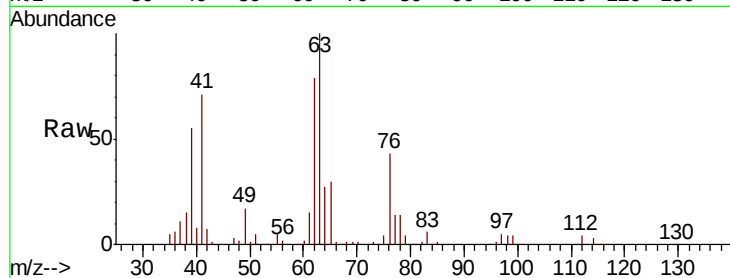
65 30.2 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

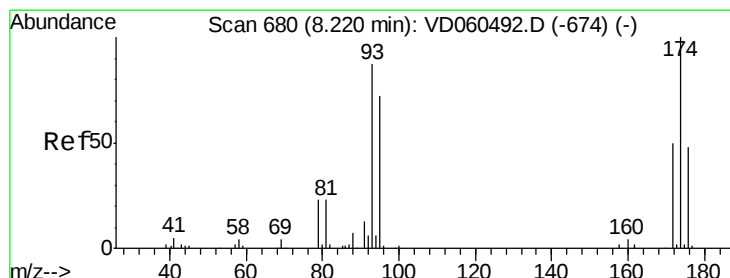
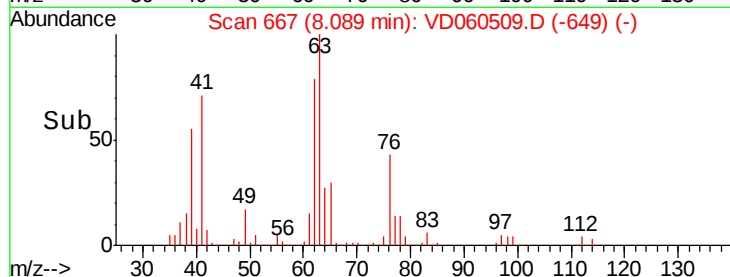
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 51.327 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

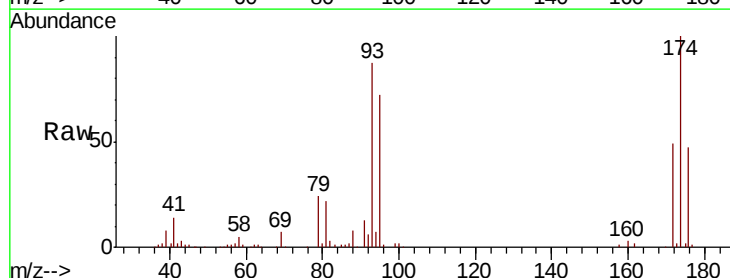
Tgt Ion: 93 Resp: 457093

Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 115.1 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

300000

250000

200000

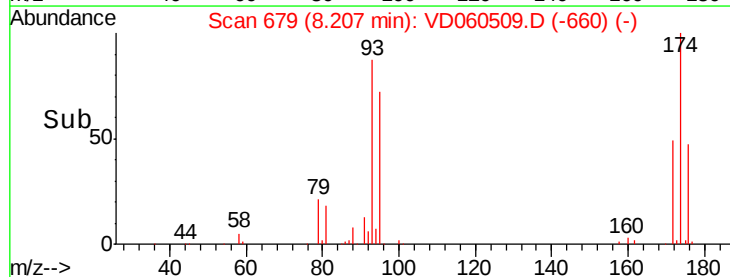
150000

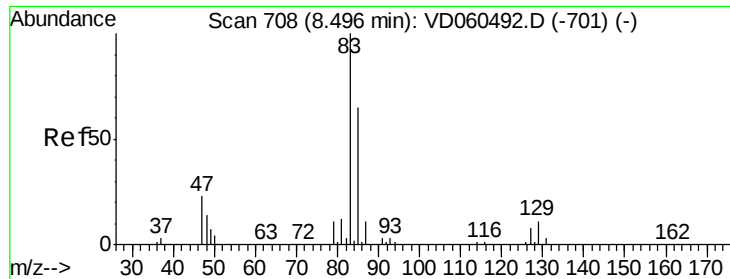
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 51.560 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

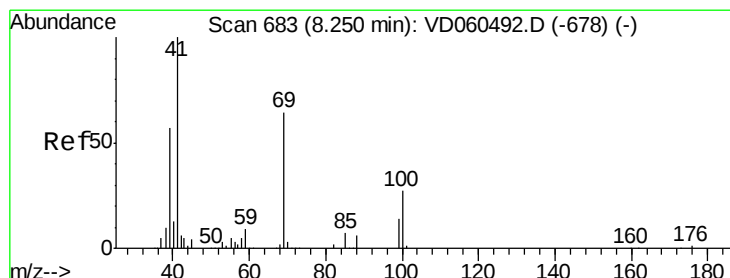
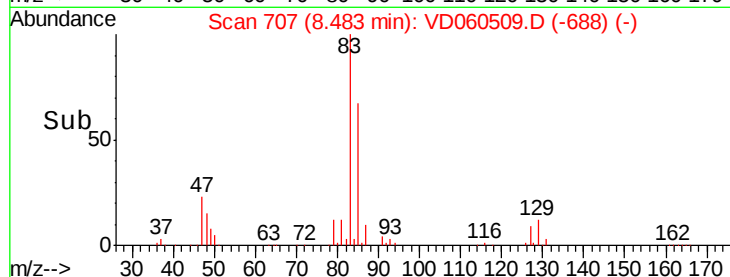
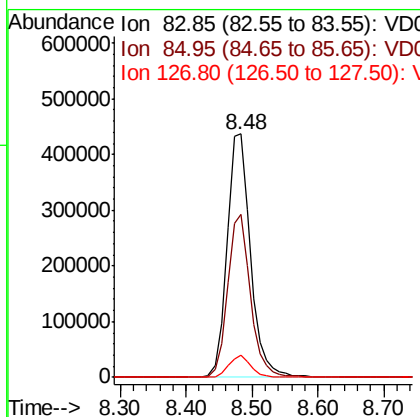
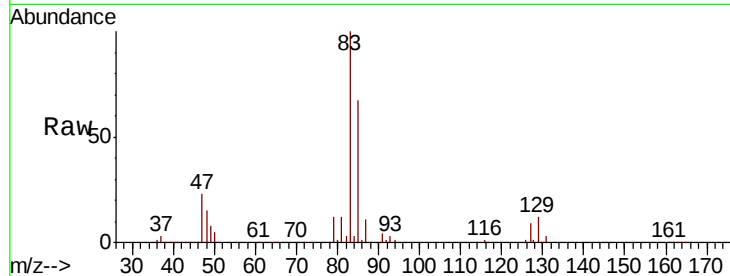
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	1089490
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4
127	9.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 54.536 ug/l

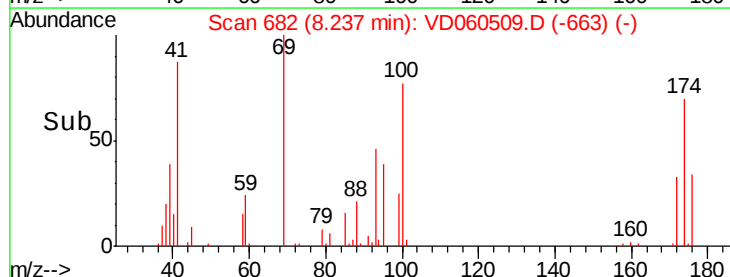
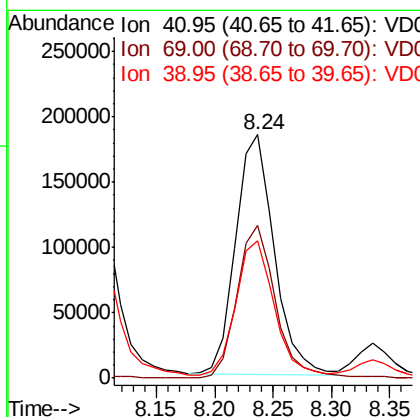
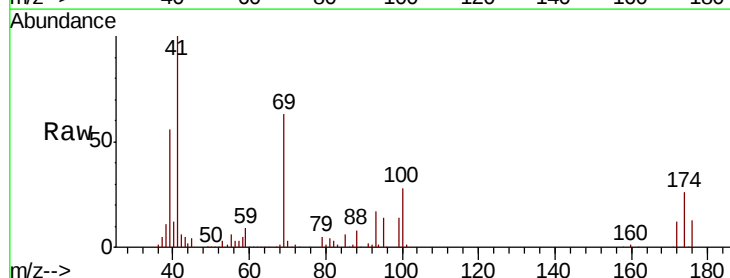
RT: 8.24 min Scan# 682

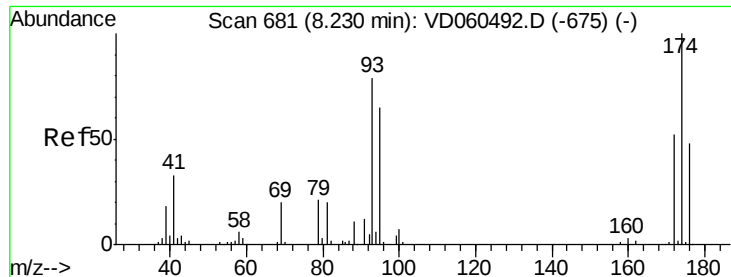
Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion:	41	Resp:	421262
Ion	Ratio	Lower	Upper
41	100		
69	62.6	50.2	75.4
39	56.2	46.1	69.1





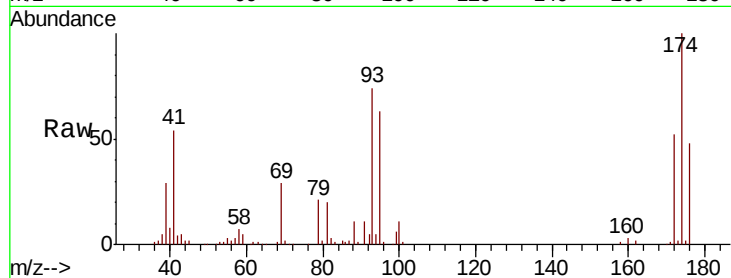
#49
1,4-Dioxane
Concen: 1075.671 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

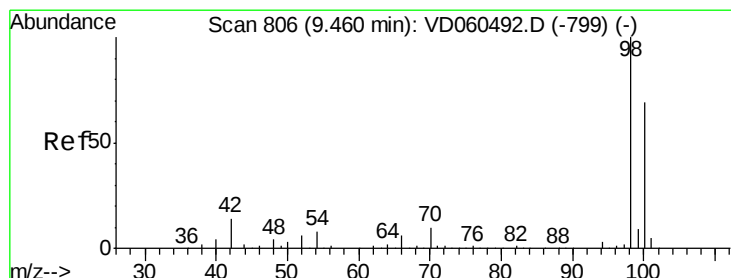
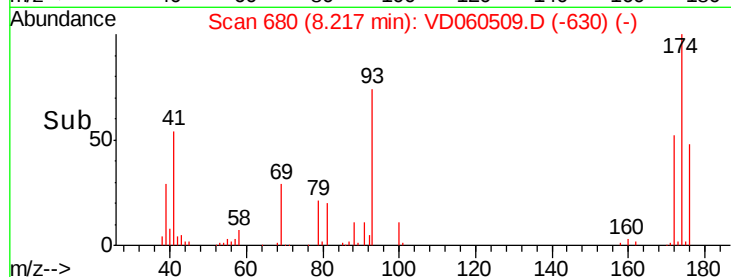
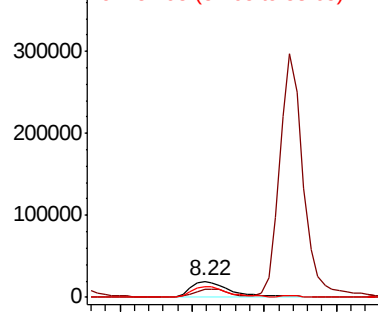
Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	32.9	49.3
58	67.2	47.7	71.5

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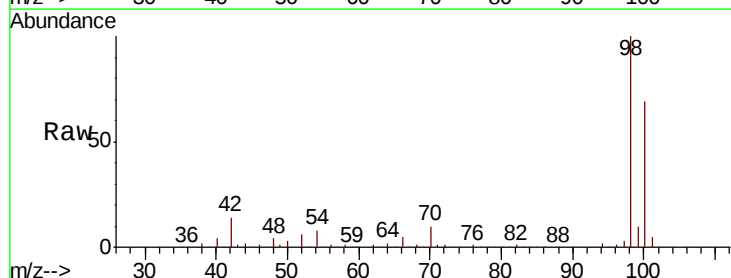


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

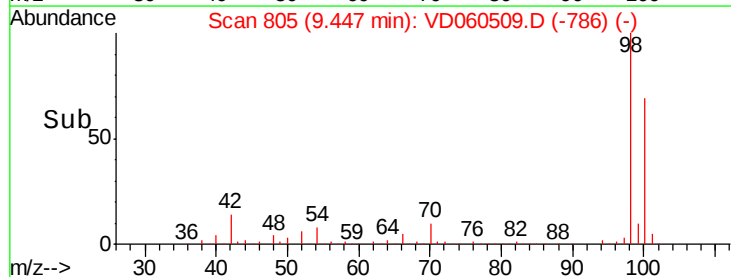
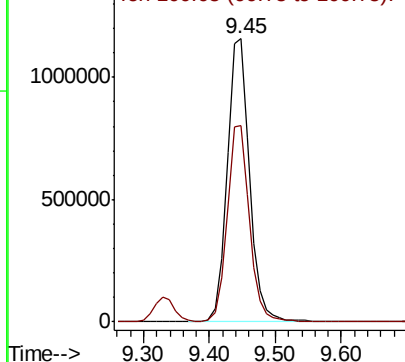


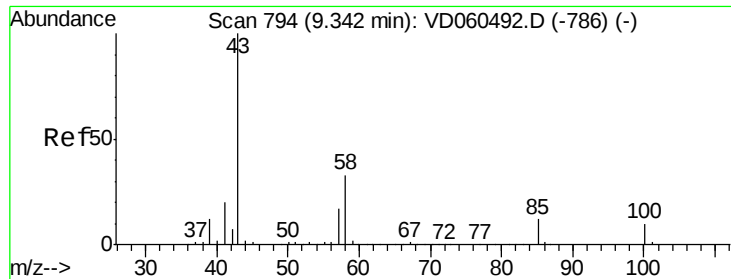
#50
Toluene-d8
Concen: 1075.671 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.7	83.5



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





#51

4-Methyl-2-Pentanone

Concen: 266.430 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2163564

Ion Ratio Lower Upper

43 100

58 32.9

26.3

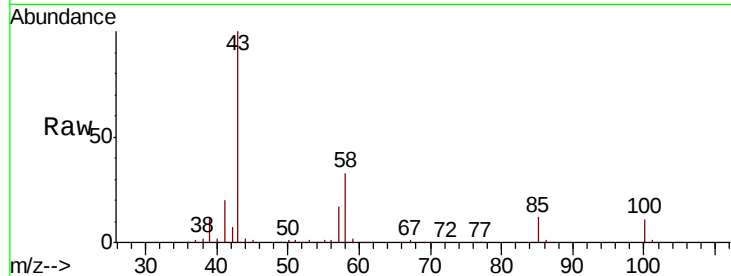
39.5

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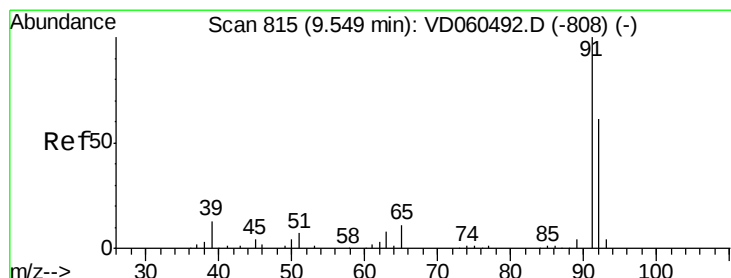
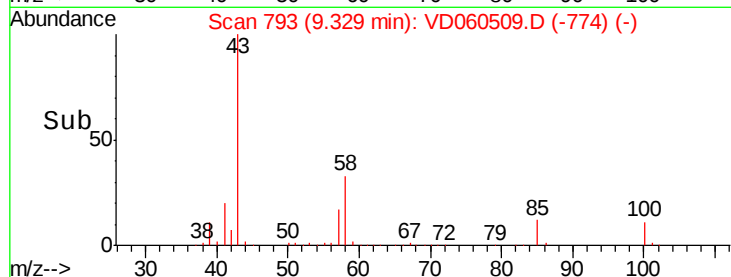
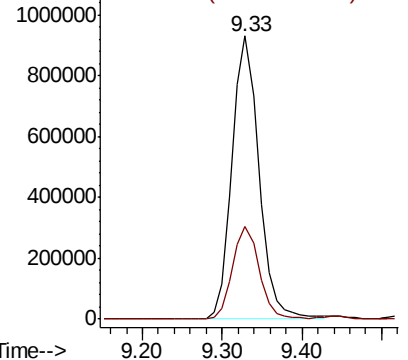
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.199 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion: 92 Resp: 1994301

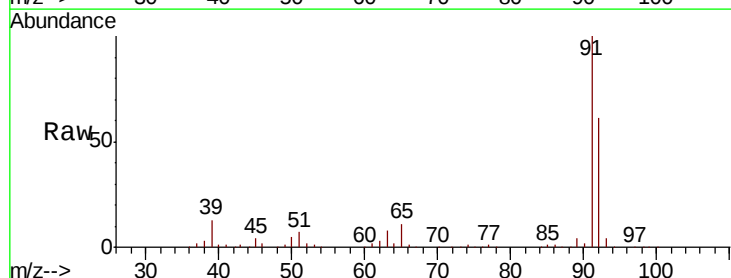
Ion Ratio Lower Upper

92 100

91 164.3

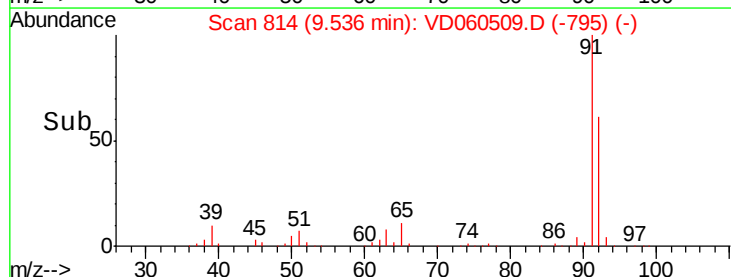
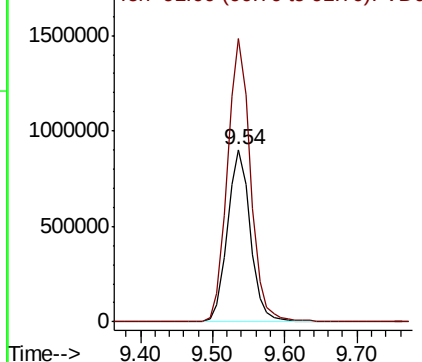
131.7

197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.243 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 924446

Ion Ratio Lower Upper

75 100

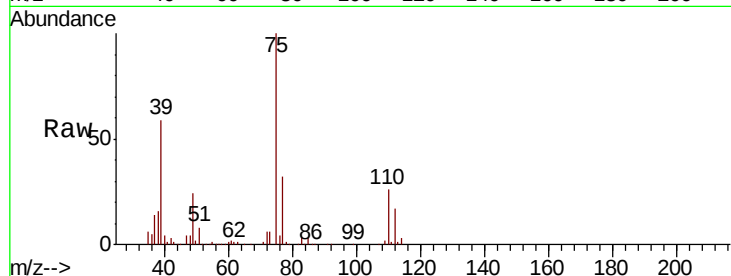
77 32.5 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

500000

400000

300000

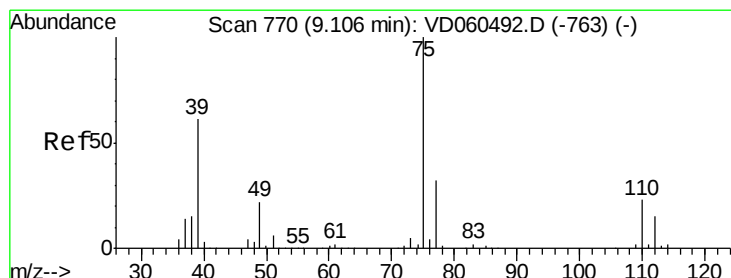
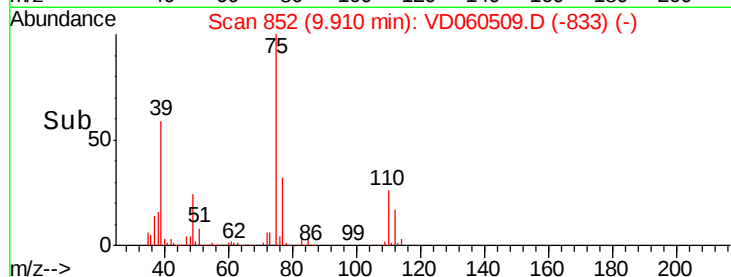
200000

100000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.755 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

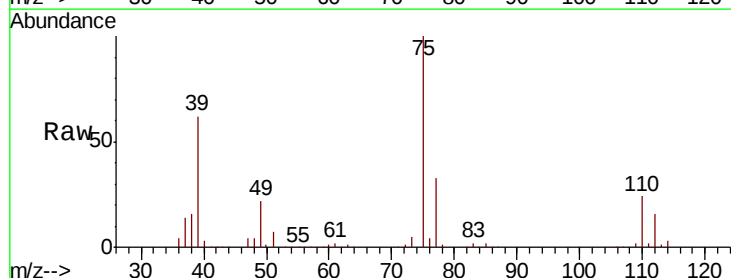
Tgt Ion: 75 Resp: 1180634

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

39 61.6 48.6 73.0



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

600000

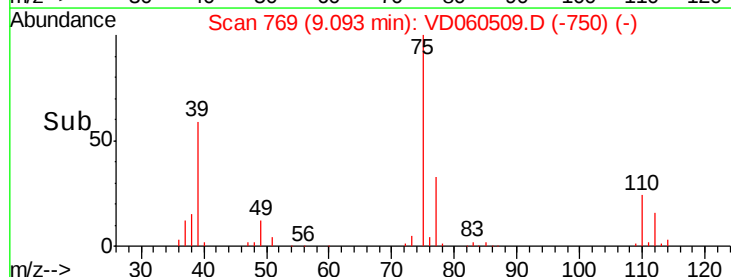
400000

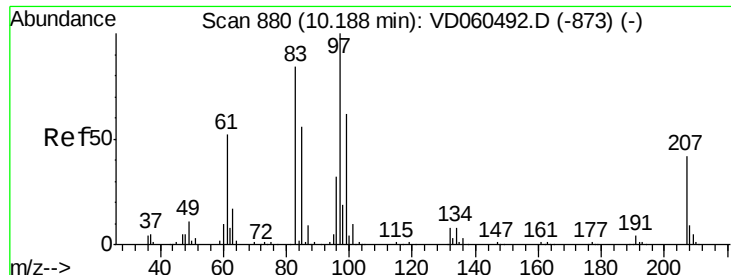
200000

0

9.00 9.10 9.20 9.30

Time-->





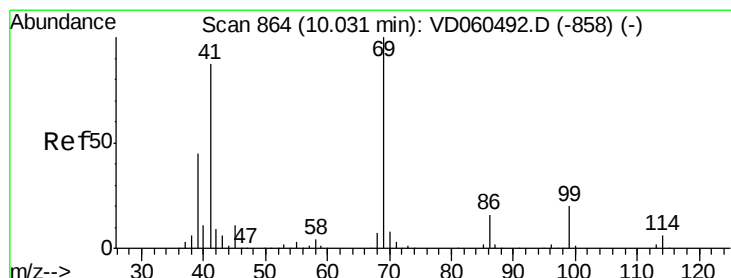
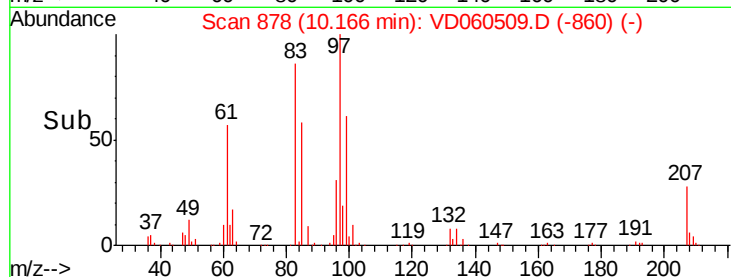
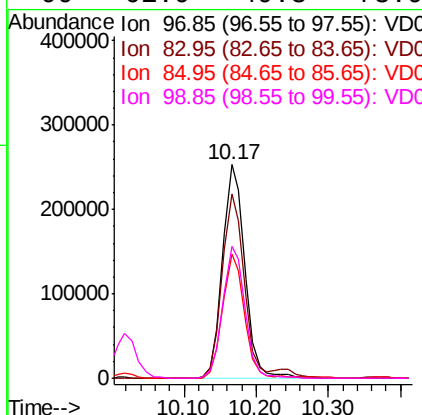
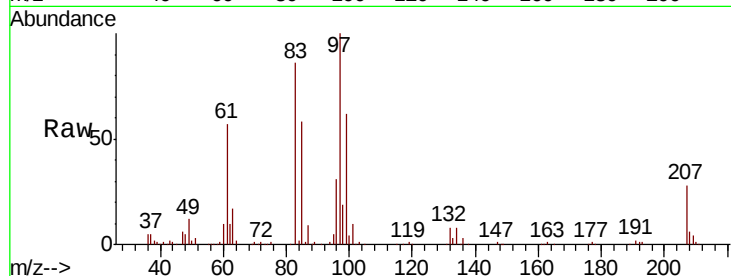
#55
 1,1,2-Trichloroethane
 Concen: 49.926 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	541572		
83	86.3	67.2	100.8	
85	58.0	44.5	66.7	
99	61.9	49.3	73.9	

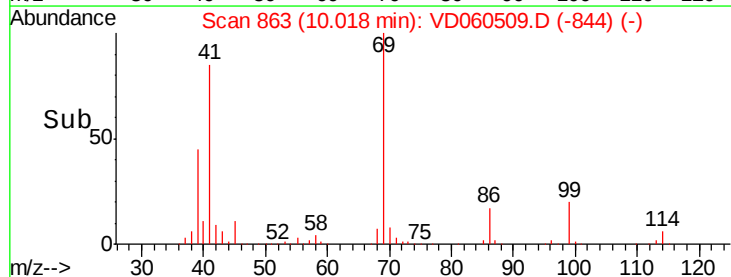
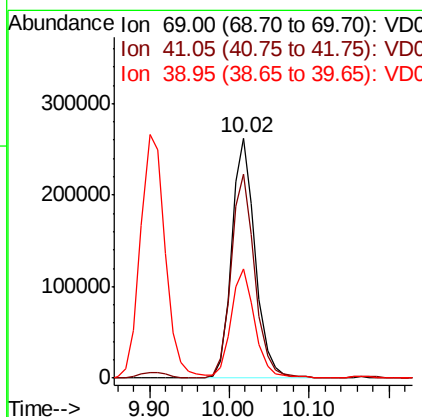
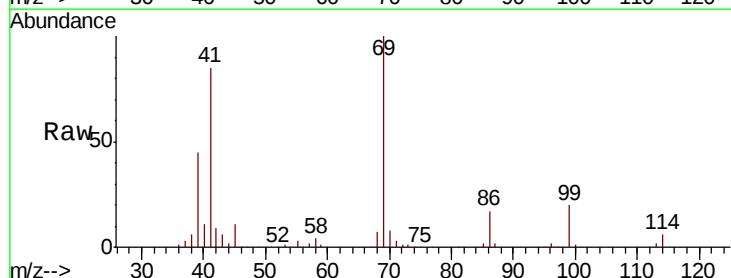
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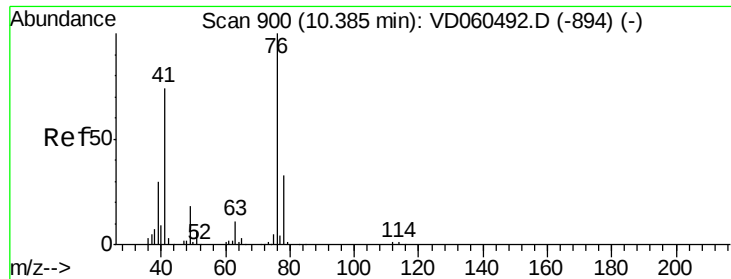
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#56
 Ethyl methacrylate
 Concen: 54.901 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	538970		
41	84.8	69.8	104.8	
39	45.3	37.5	56.3	





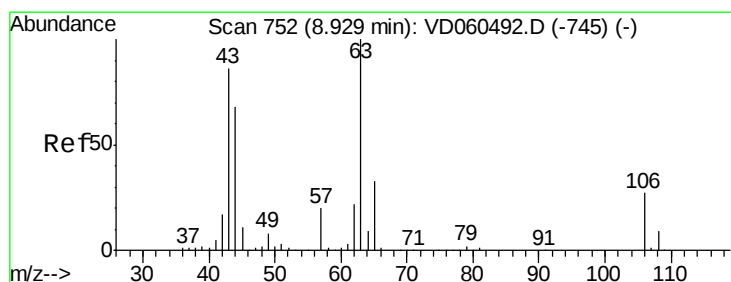
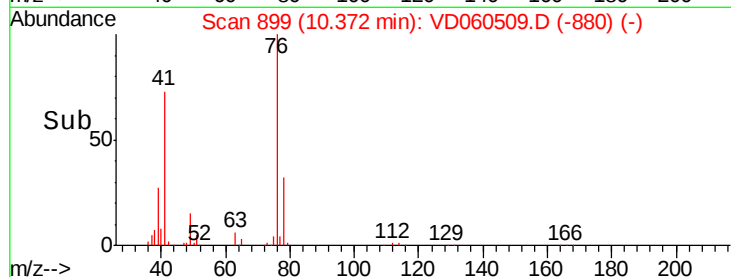
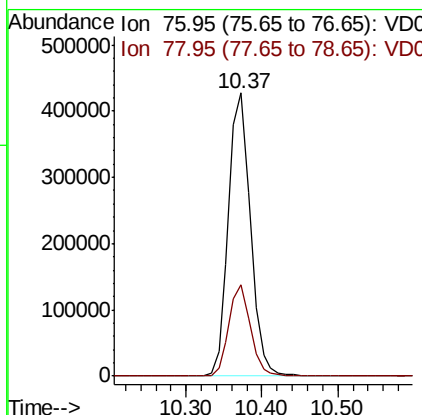
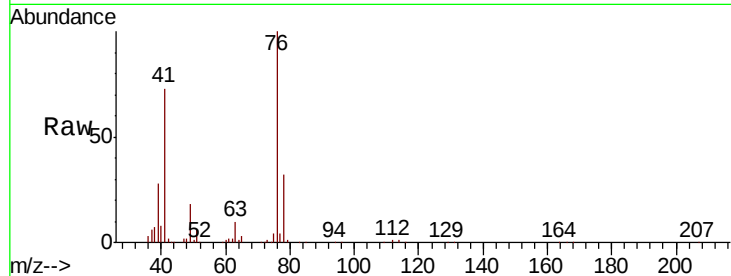
#57
 1,3-Dichloropropane
 Concen: 51.344 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 860969
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

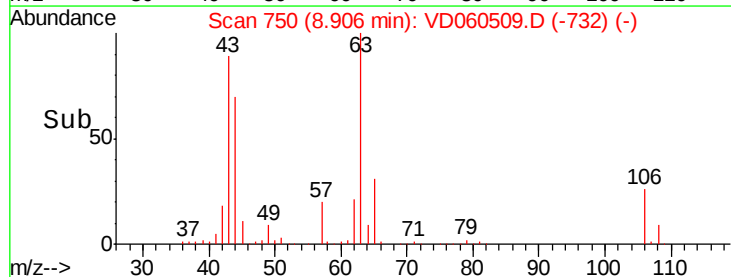
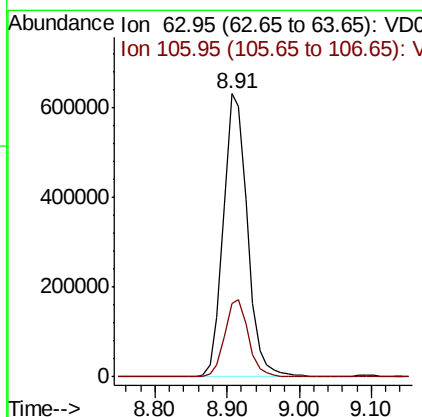
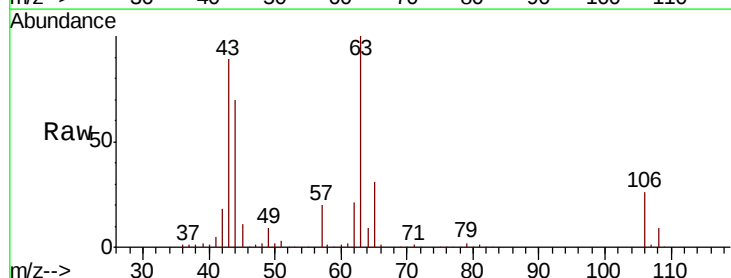
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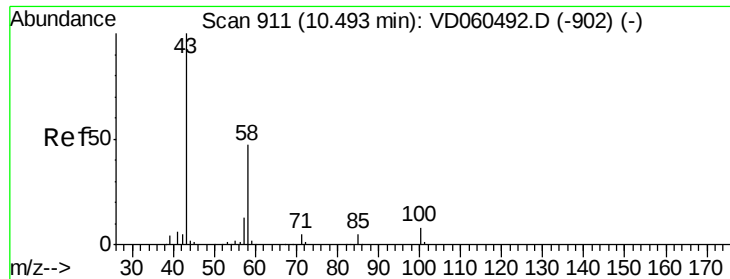
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 247.551 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 63 Resp: 1454133
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.6 32.4





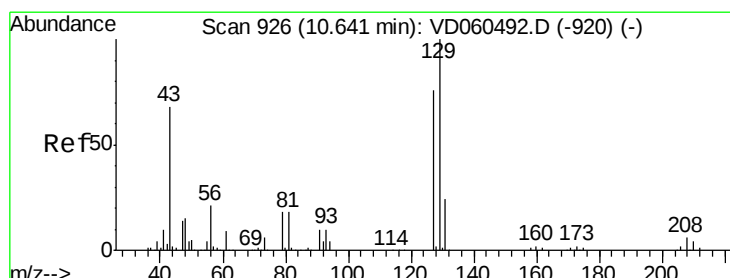
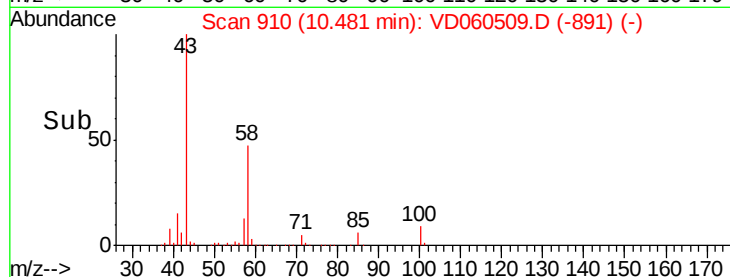
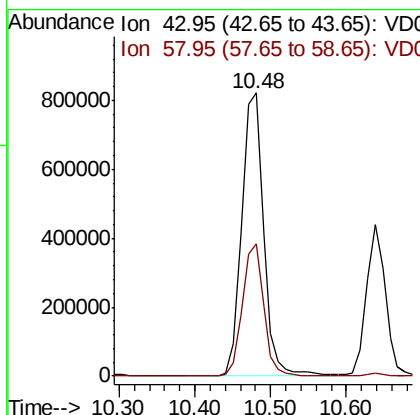
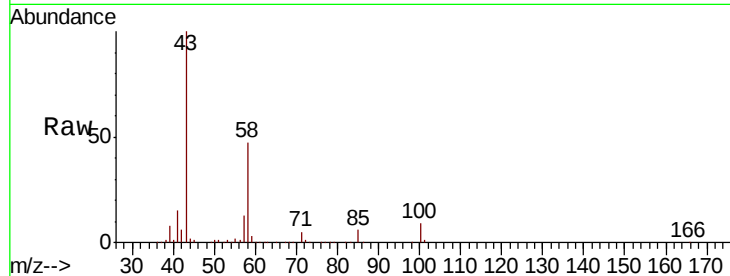
#59
2-Hexanone
Concen: 289.128 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1641120
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2

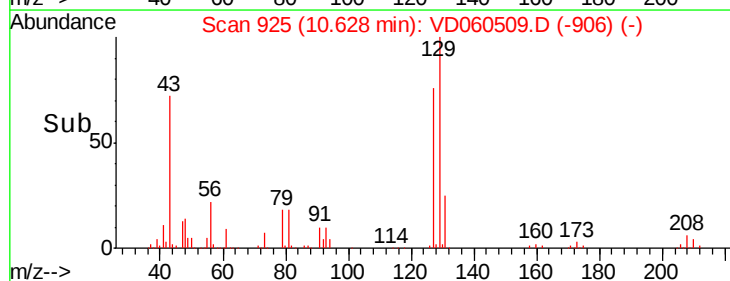
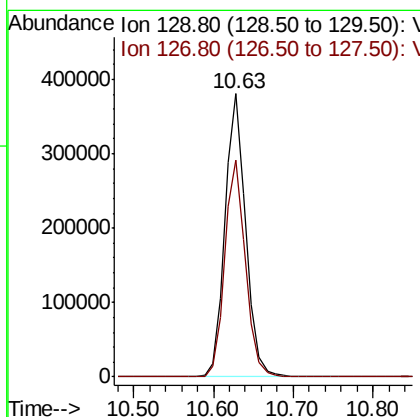
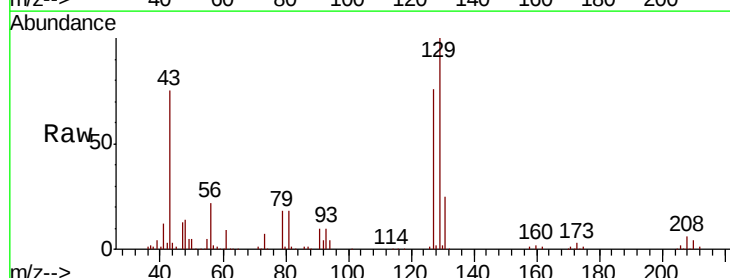
Manual Integrations
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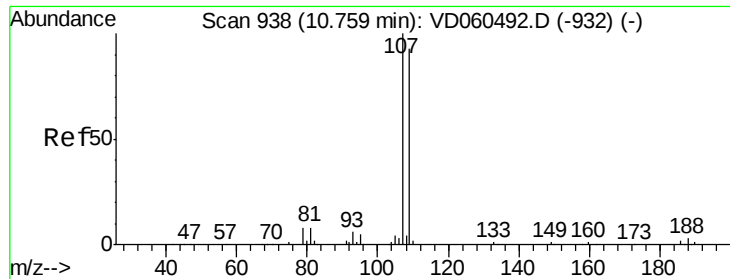
apatel
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#60
Dibromochloromethane
Concen: 51.566 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 129 Resp: 699352
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





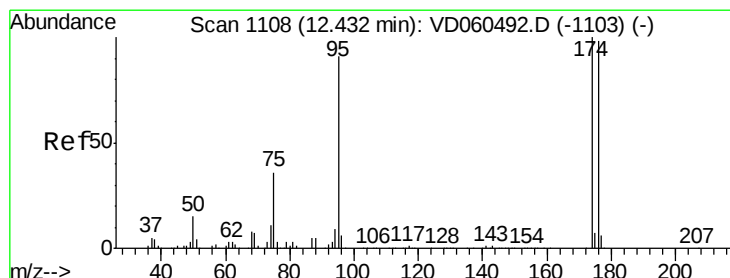
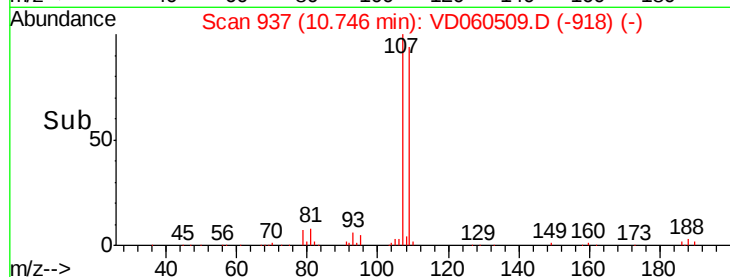
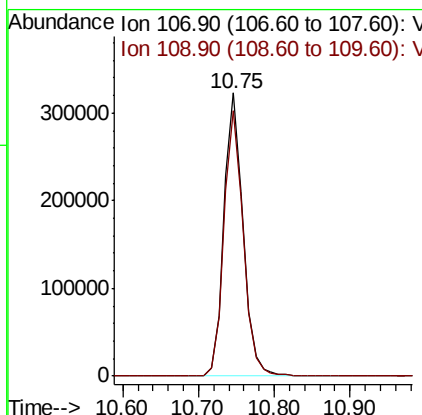
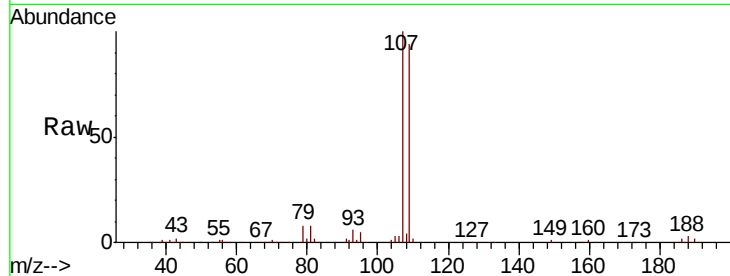
#61
1,2-Dibromoethane
Concen: 51.106 ug/l
RT: 10.75 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.7	112.1

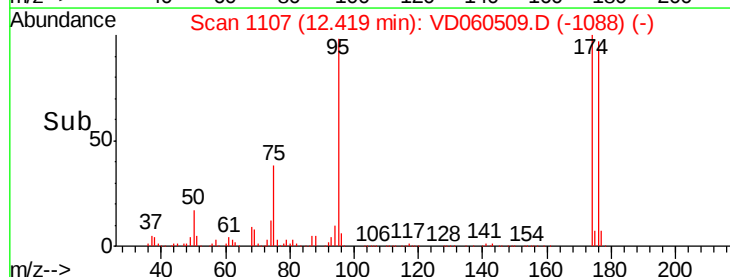
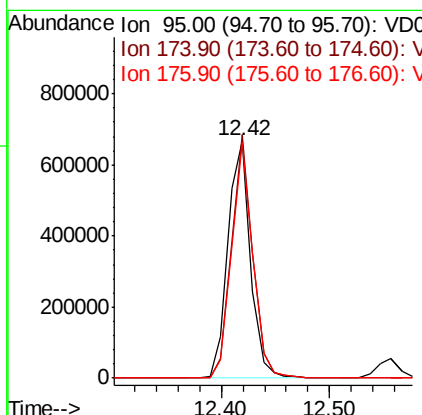
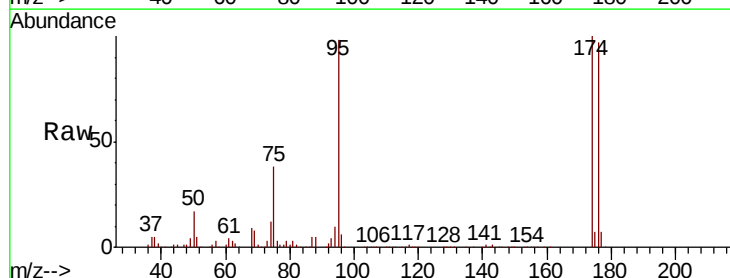
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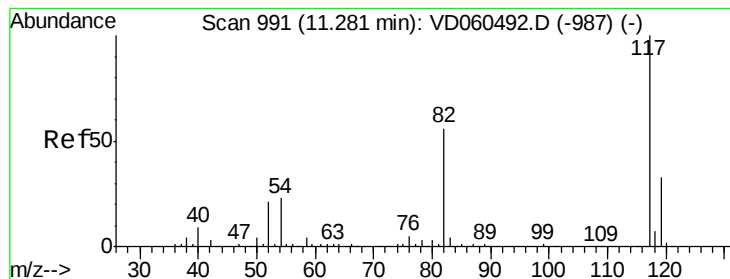
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#62
4-Bromofluorobenzene
Concen: 51.106 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.5	0.0	219.4
176	99.5	0.0	214.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1969520

Ion Ratio Lower Upper

117 100

82 54.4 45.2 67.8

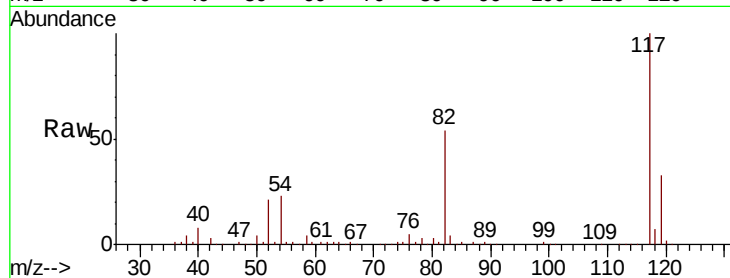
119 32.7 26.1 39.1

Manual Integrations

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Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD

Ion 118.95 (118.65 to 119.65): V

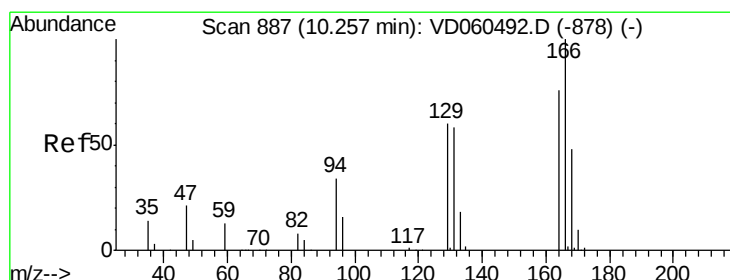
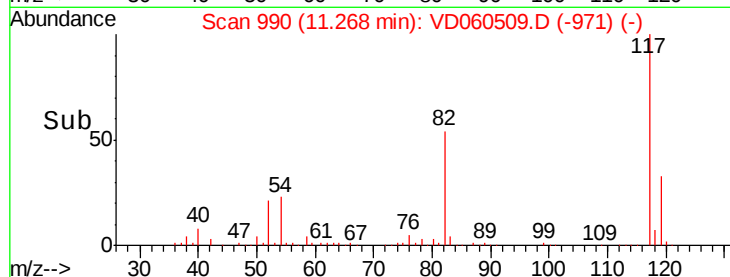
11.27

1000000

500000

0

Time-->



#64

Tetrachloroethene

Concen: 50.658 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion:164 Resp: 883455

Ion Ratio Lower Upper

164 100

166 126.3 105.0 157.6

129 79.9 63.0 94.4

131 77.5 60.6 90.8

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

800000

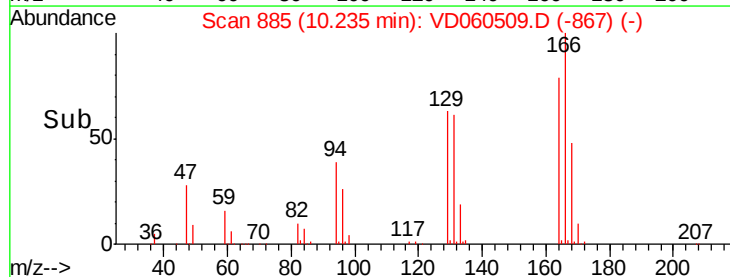
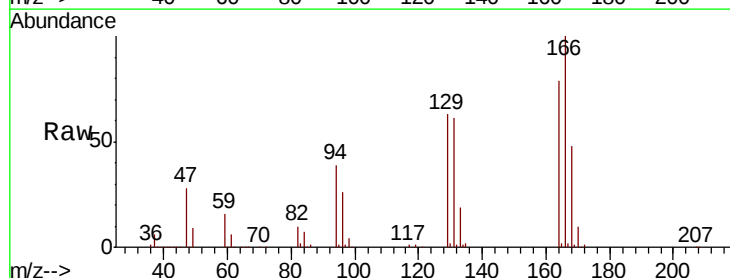
600000

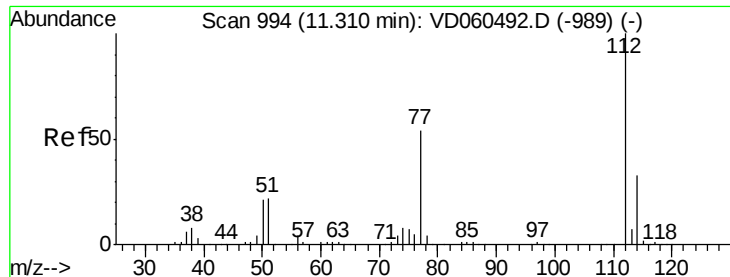
400000

200000

0

Time-->





#65

Chlorobenzene

Concen: 50.919 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2121615

Ion Ratio Lower Upper

112 100

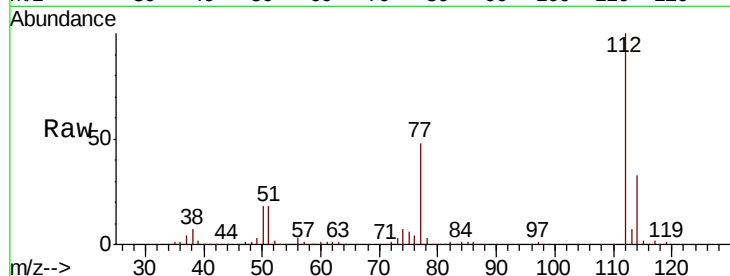
114 32.9 26.2 39.4

Manual Integrations

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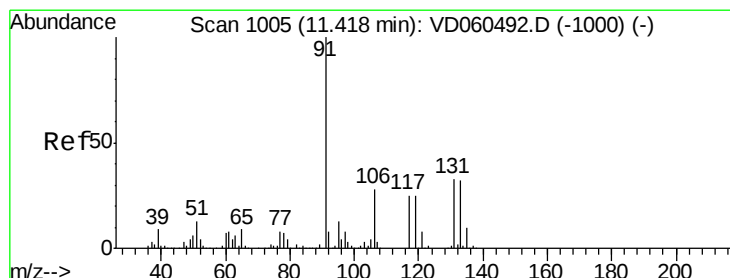
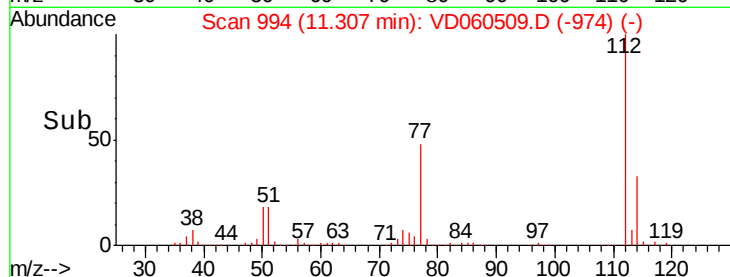
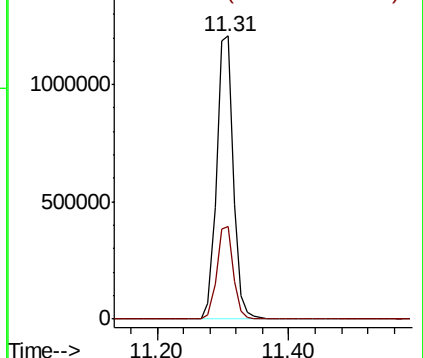
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.787 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

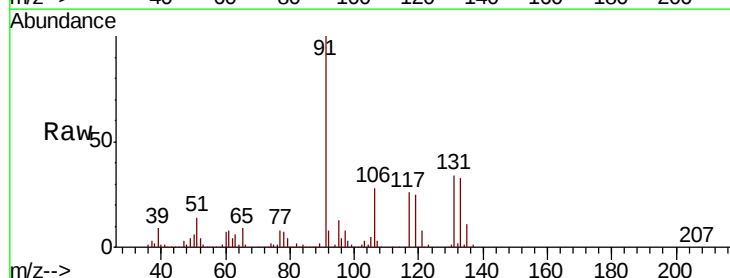
Tgt Ion:131 Resp: 695483

Ion Ratio Lower Upper

131 100

133 96.1 49.1 147.3

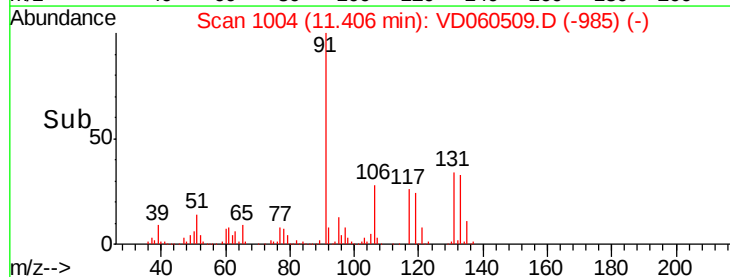
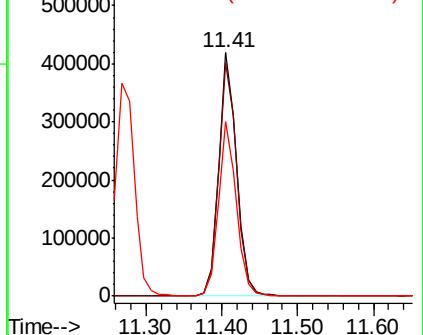
119 71.9 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





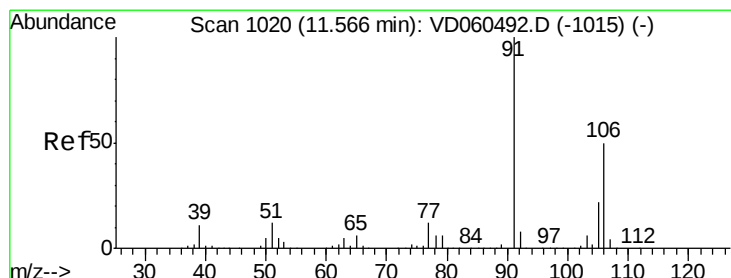
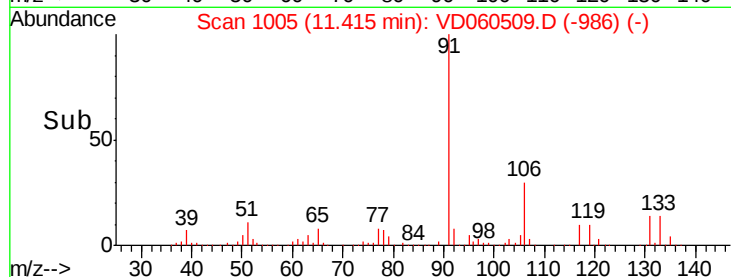
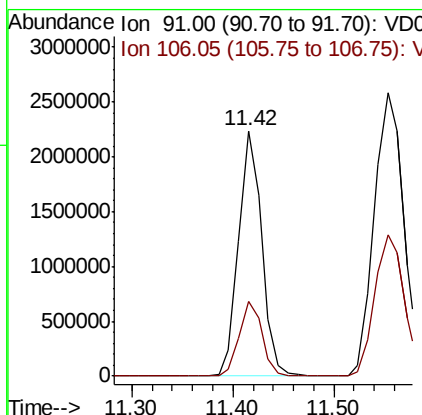
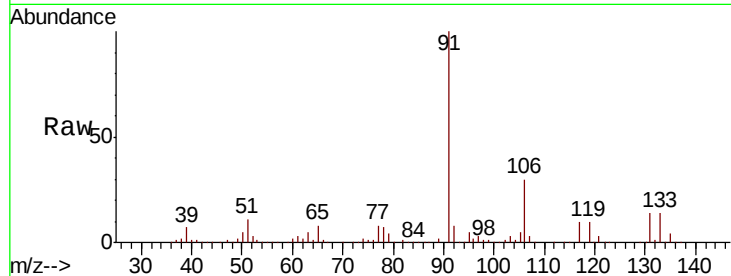
#67
Ethyl Benzene
Concen: 50.354 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3578686
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0

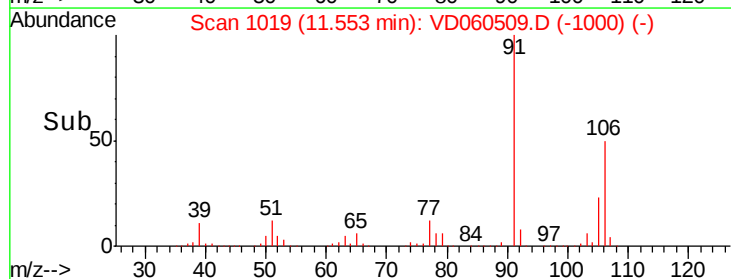
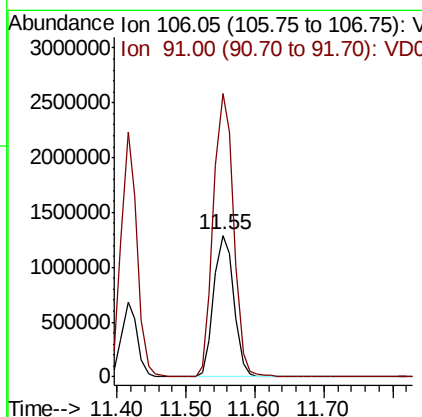
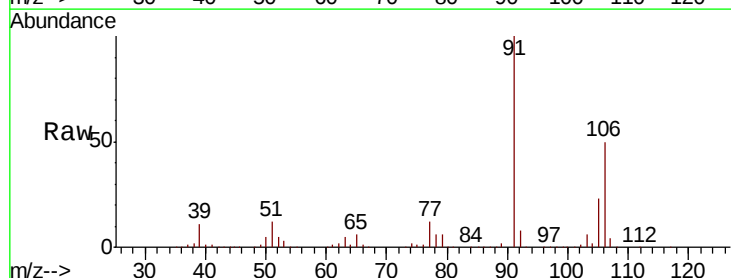
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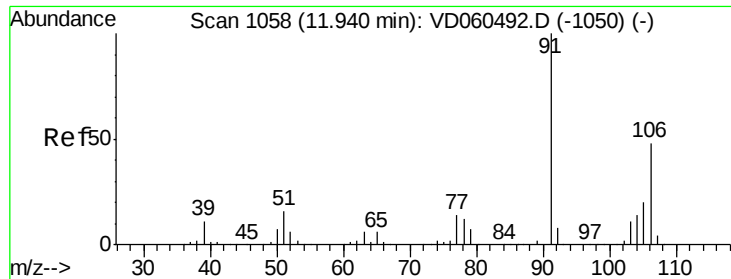
apatel
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#68
m/p-Xylenes
Concen: 99.792 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 106 Resp: 2623815
Ion Ratio Lower Upper
106 100
91 199.5 160.5 240.7





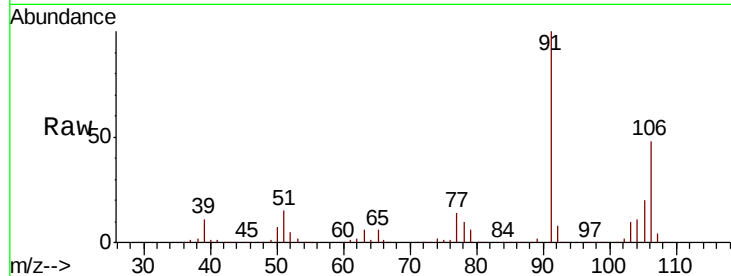
#69
o-Xylene
Concen: 50.799 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

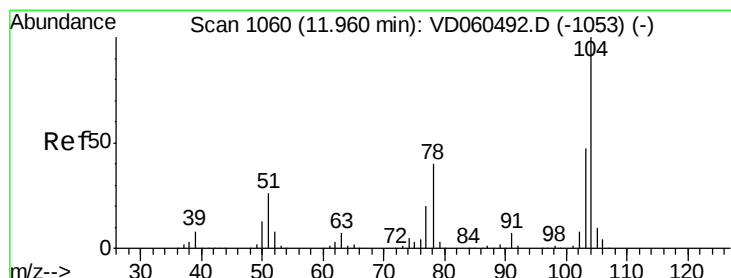
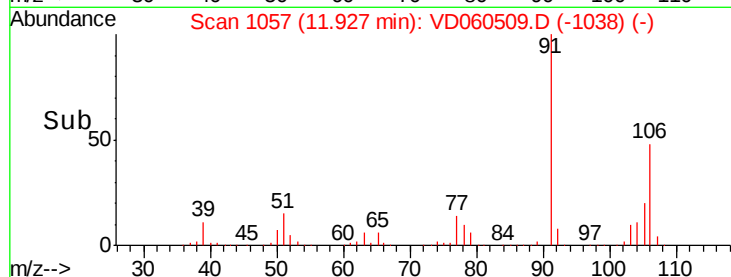
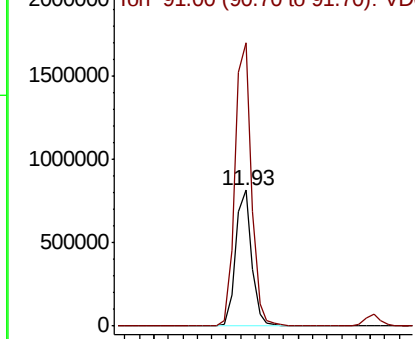
Tot Ion:106 Resp: 1272892
Ion Ratio Lower Upper
106 100
91 208.0 103.4 310.1

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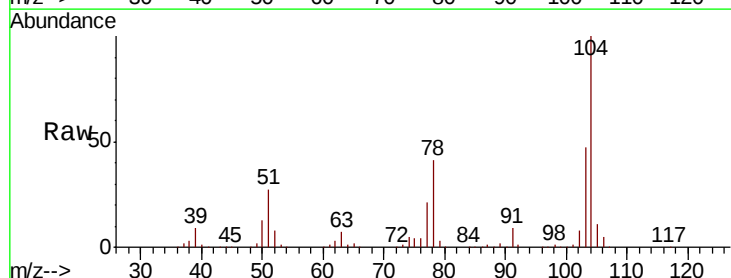


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): V

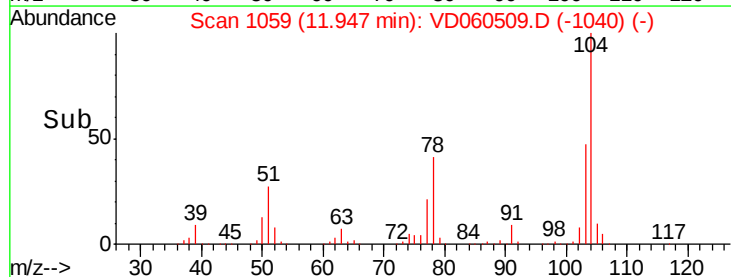
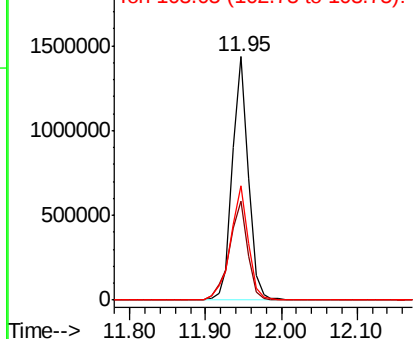


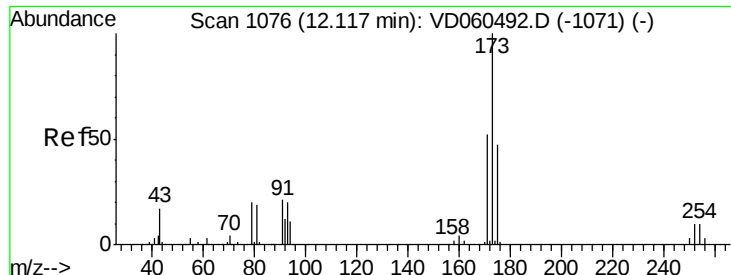
#70
Styrene
Concen: 51.235 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:104 Resp: 2060673
Ion Ratio Lower Upper
104 100
78 40.5 32.1 48.1
103 47.1 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





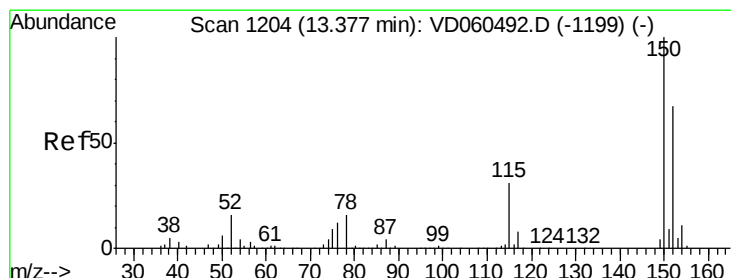
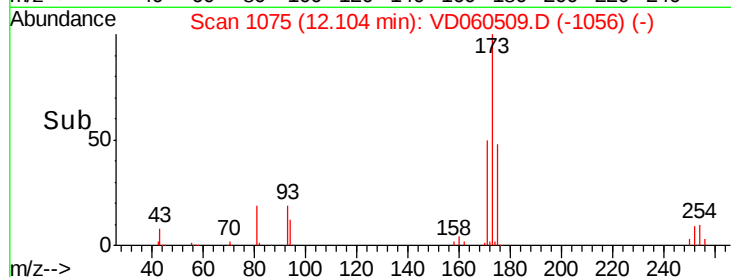
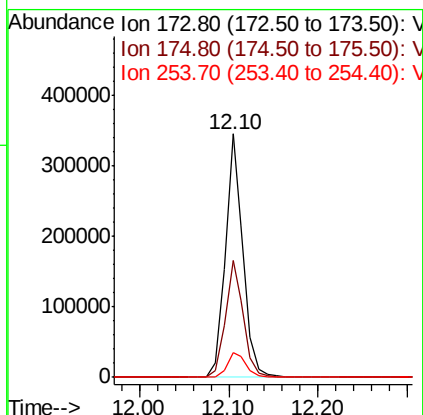
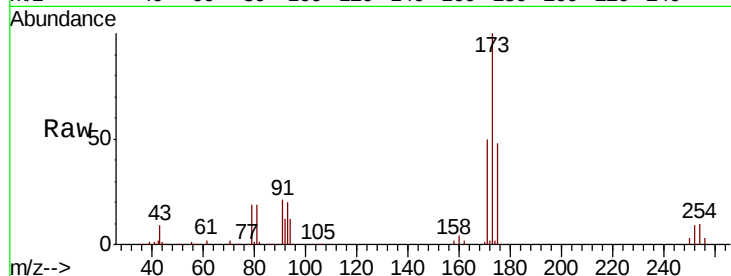
#71
Bromoform
Concen: 53.439 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.2	23.5	70.6	
254	9.9	7.8	11.8	

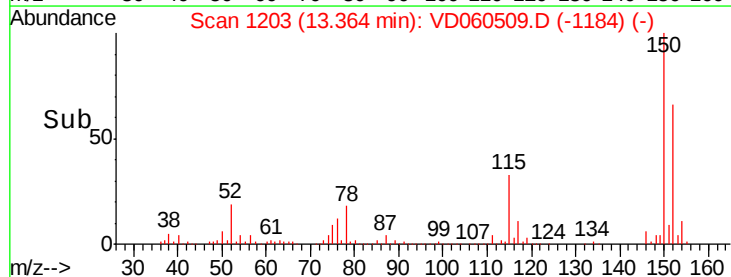
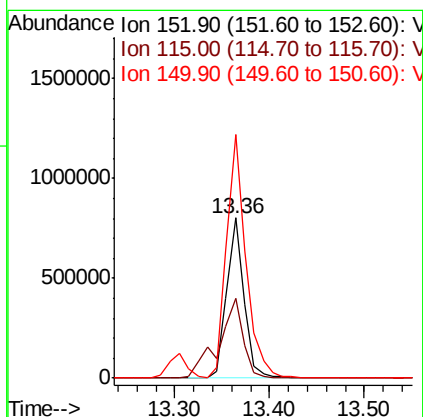
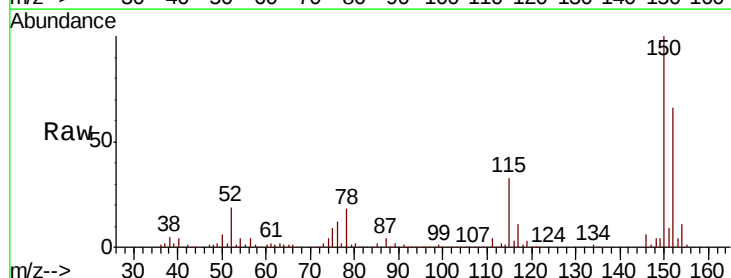
Manual Integrations
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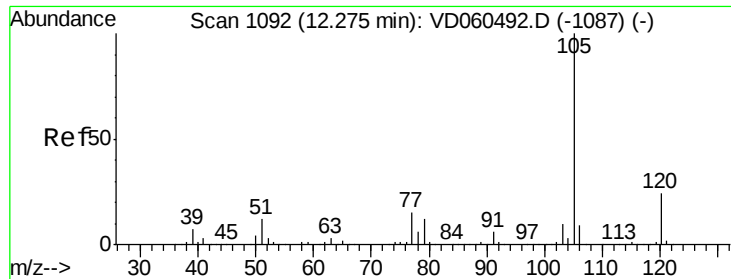
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	50.0	24.6	74.0	
150	152.3	0.0	309.0	





#73

Isopropylbenzene

Concen: 48.698 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 3499060

Ion Ratio Lower Upper

105 100

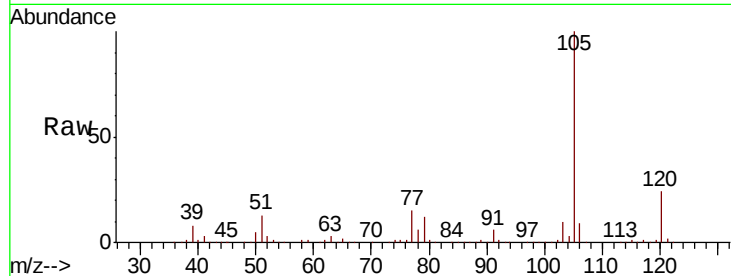
120 24.3 11.9 35.9

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

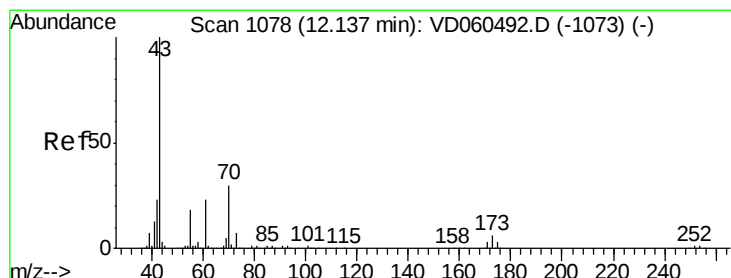
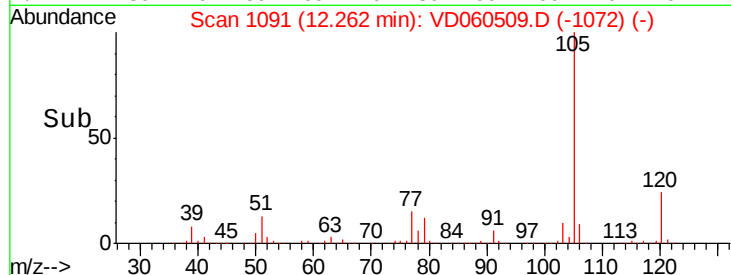
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 50.763 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion: 43 Resp: 881525

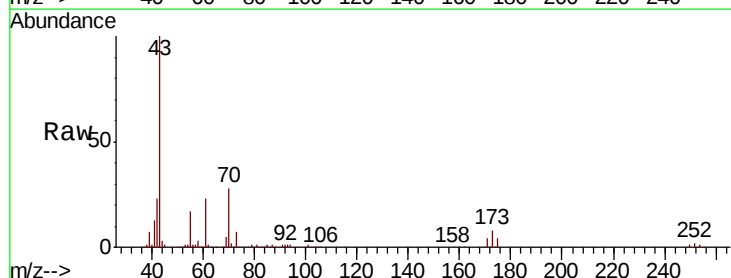
Ion Ratio Lower Upper

43 100

70 27.8 23.8 35.8

55 16.8 14.2 21.2

61 23.3 18.1 27.1



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

1000000

800000

600000

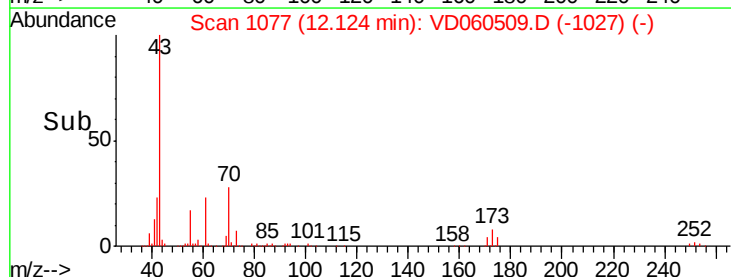
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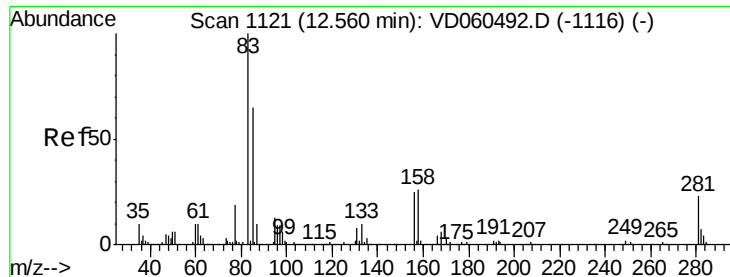
200000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.286 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

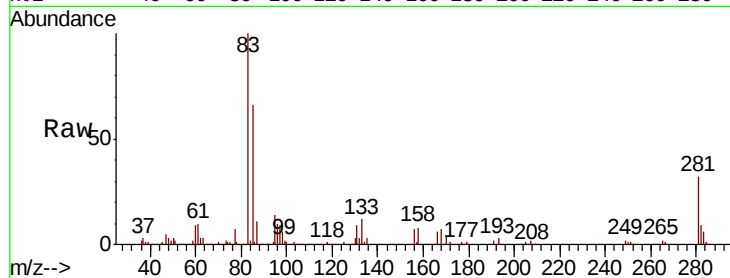
ClientSampleId :

VSTDCCC050

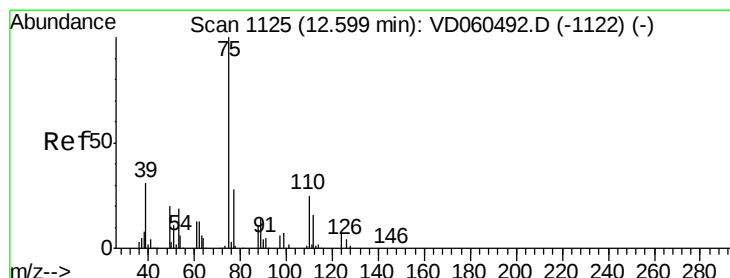
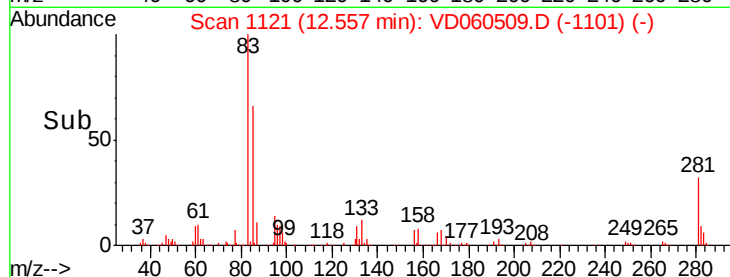
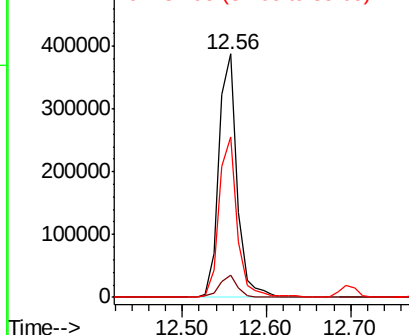
Tot Ion:	83	Resp:	578445
Ion Ratio	Lower	Upper	
83	100		
131	9.3	3.8	11.4
85	65.7	32.3	96.9

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.349 ug/l

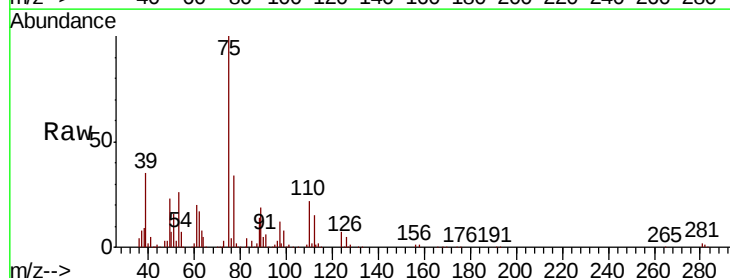
RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

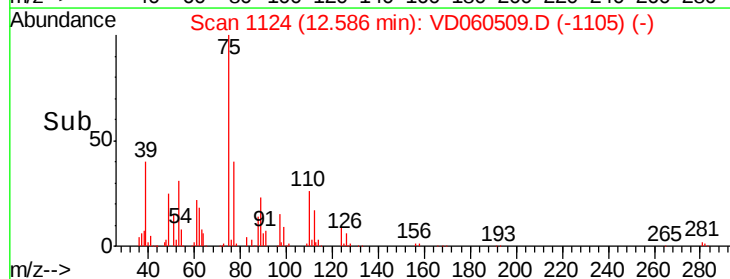
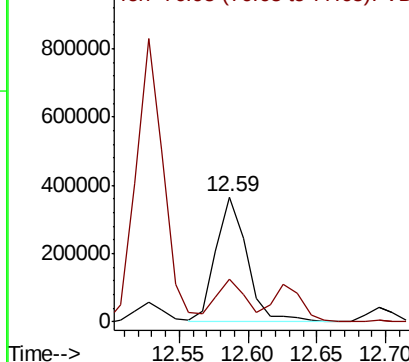
Lab File: VD060509.D

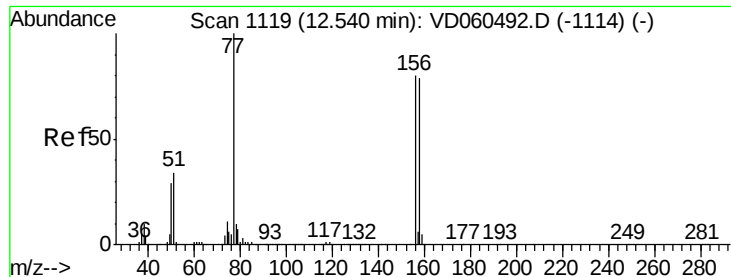
Acq: 7 Dec 2018 10:31

Tgt Ion:	75	Resp:	567757
Ion Ratio	Lower	Upper	
75	100		
77	34.4	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.067 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

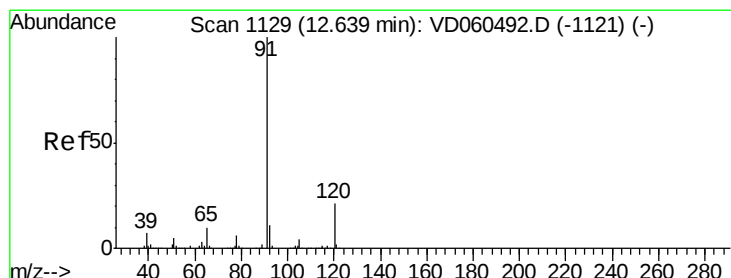
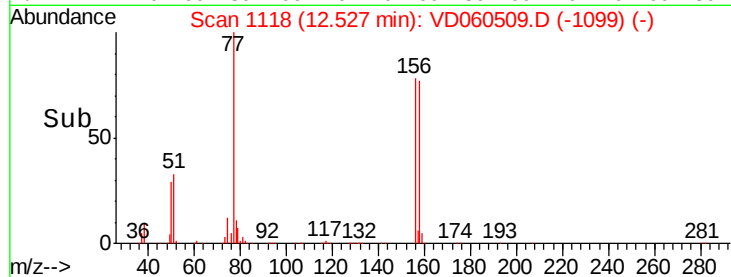
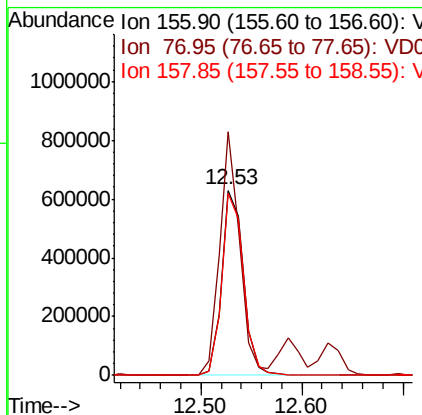
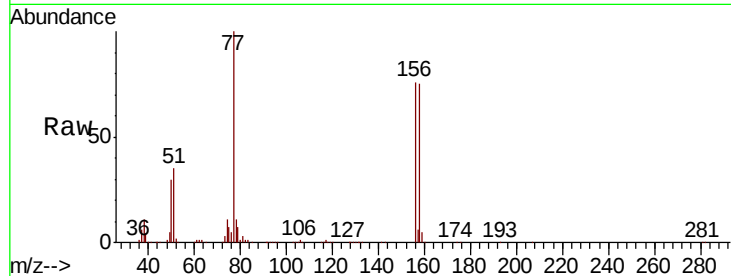
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.4	62.5	187.6
158	98.6	49.4	148.2

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#78

n-propylbenzene

Concen: 48.729 ug/l

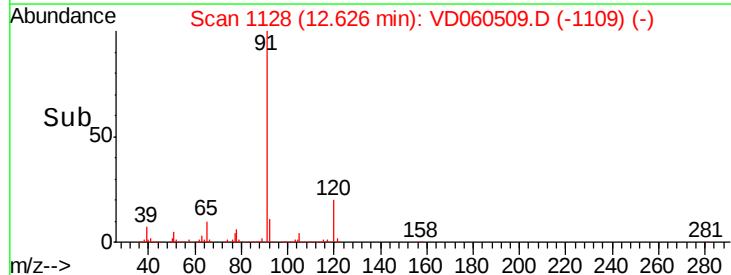
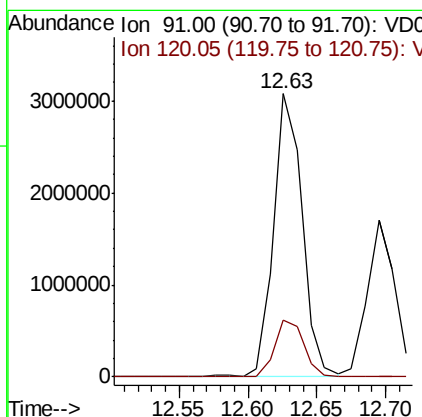
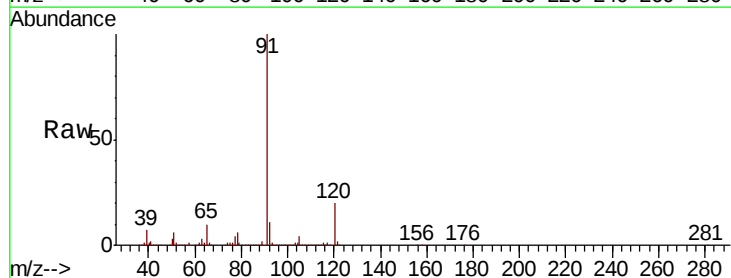
RT: 12.63 min Scan# 1128

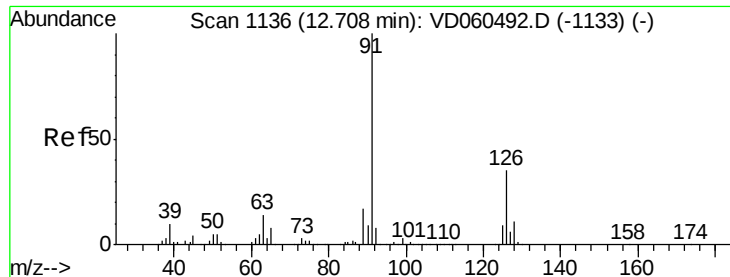
Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.4	31.1





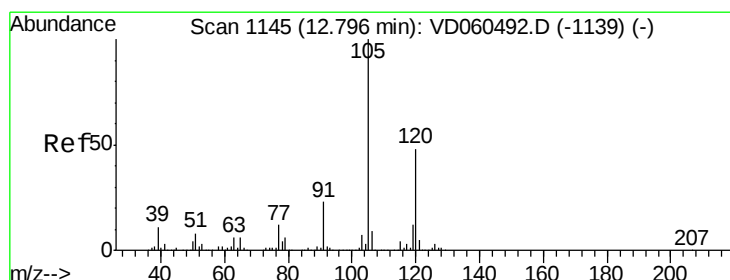
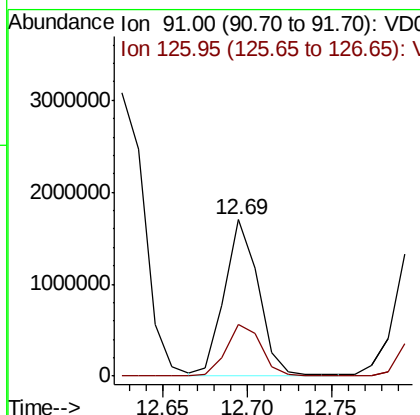
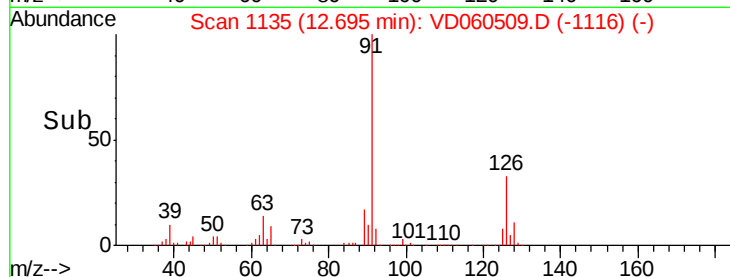
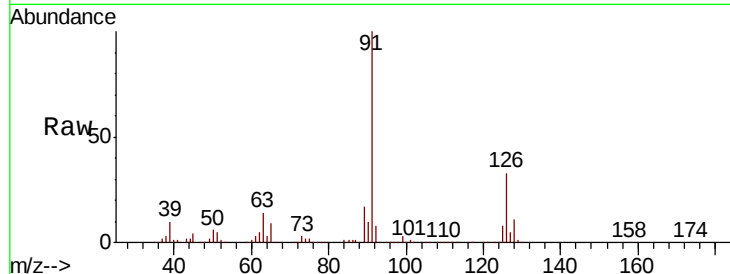
#79
 2-Chlorotoluene
 Concen: 48.584 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2394521
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.3 52.0

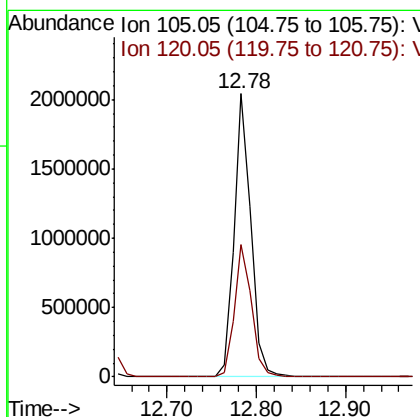
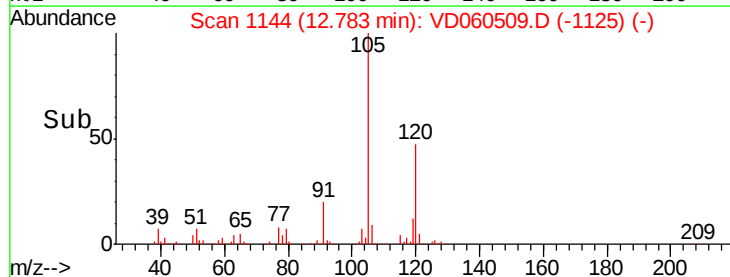
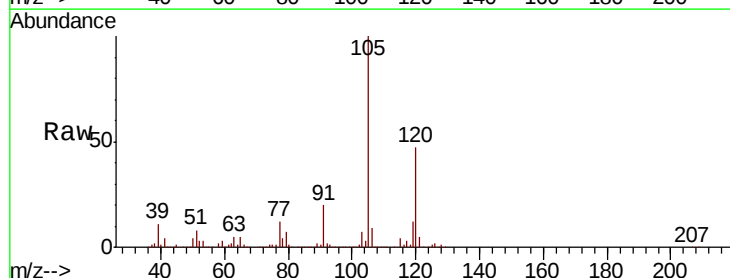
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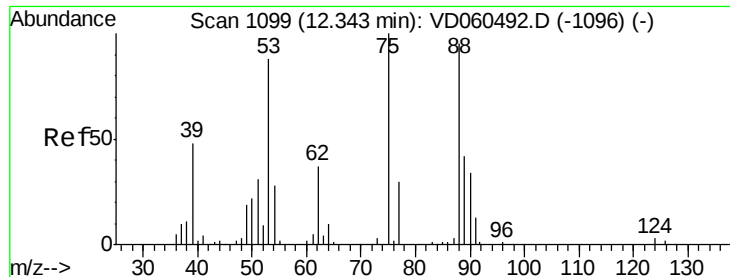
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.275 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 105 Resp: 2705372
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 52.820 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 169487

Ion Ratio Lower Upper

75 100

53 86.1 70.5 105.7

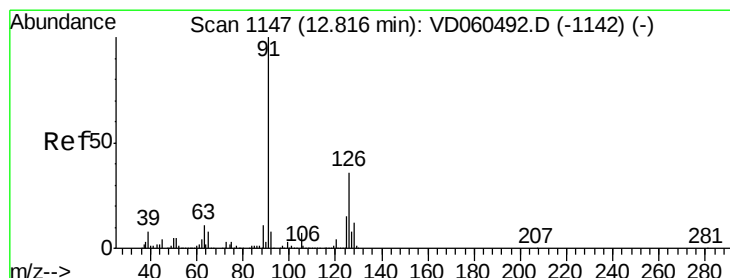
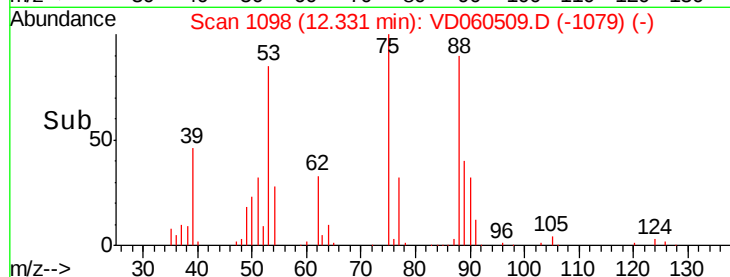
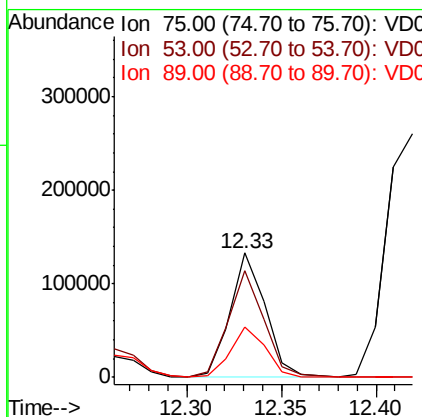
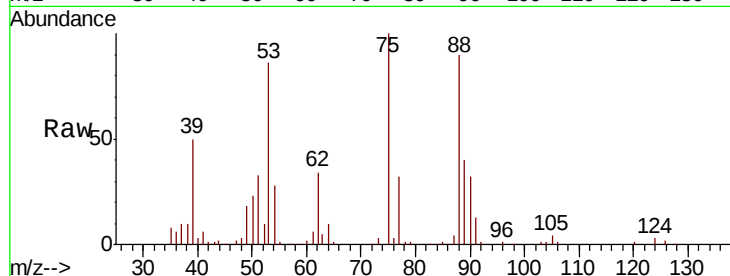
89 40.2 33.6 50.4

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#82

4-Chlorotoluene

Concen: 47.583 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060509.D

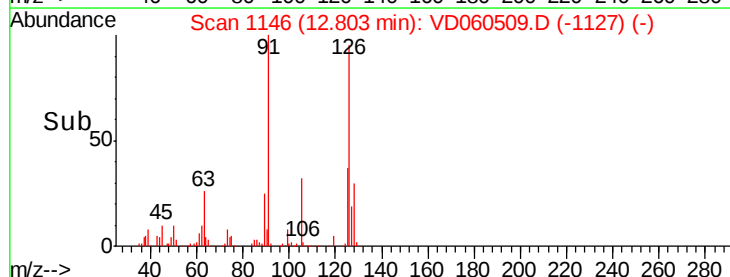
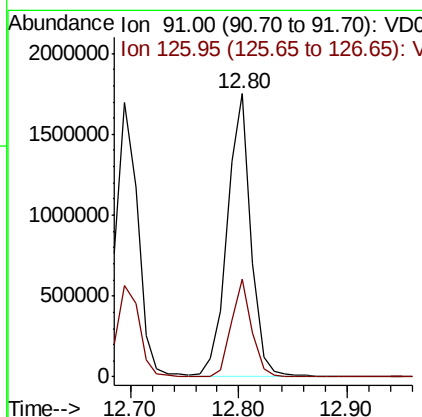
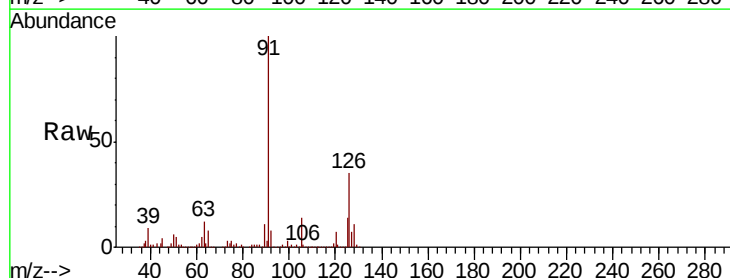
Acq: 7 Dec 2018 10:31

Tgt Ion: 91 Resp: 2633989

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.4





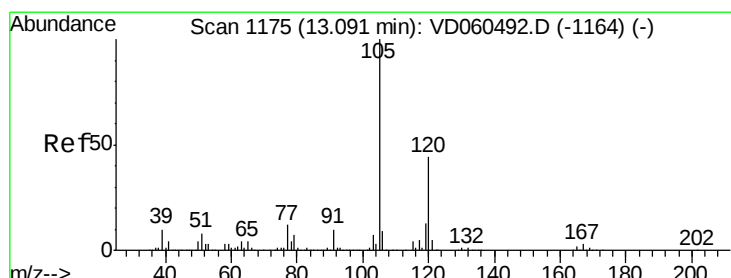
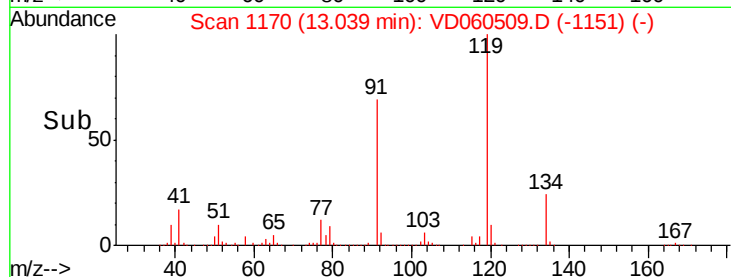
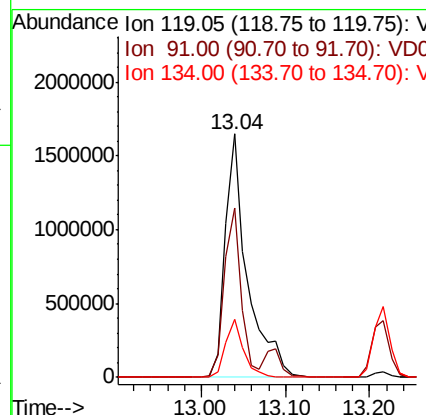
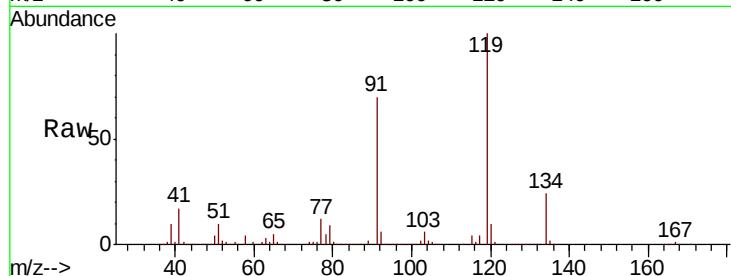
#83
tert-Butylbenzene
Concen: 49.332 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 3036893
Ion Ratio Lower Upper
119 100
91 69.5 33.1 99.2
134 23.7 12.0 36.0

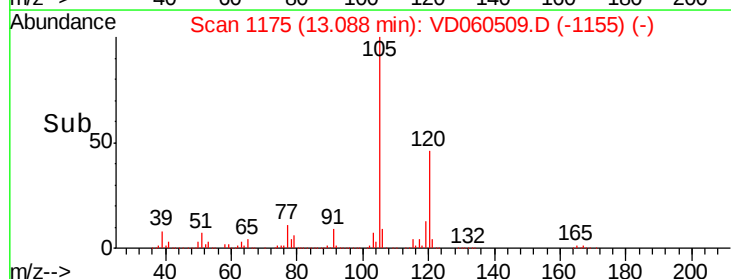
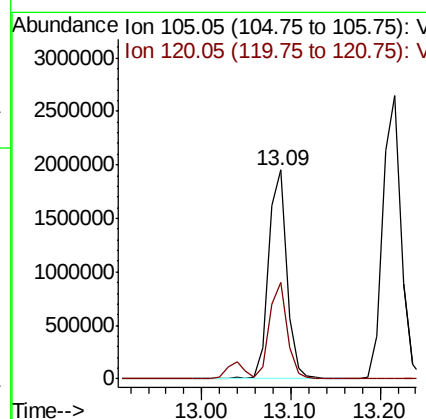
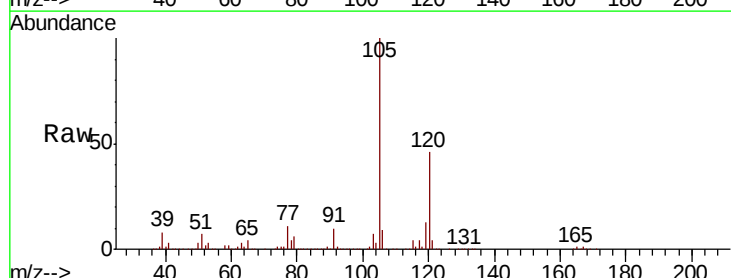
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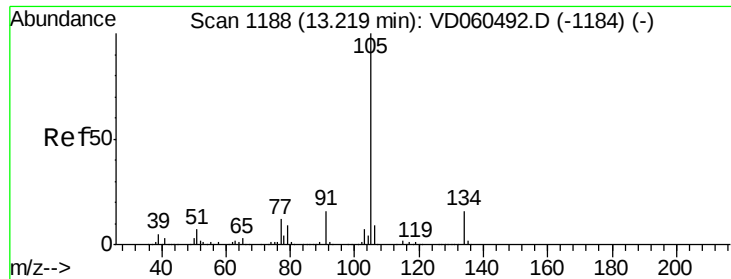
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#84
1,2,4-Trimethylbenzene
Concen: 48.017 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:105 Resp: 2729716
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8





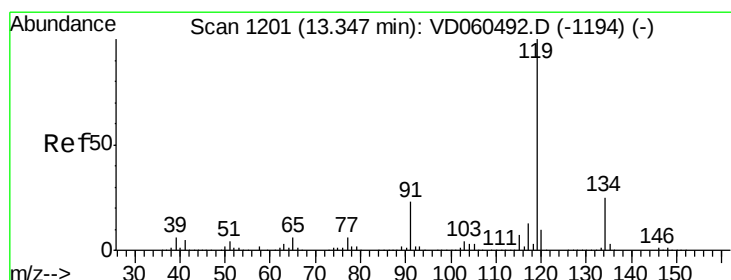
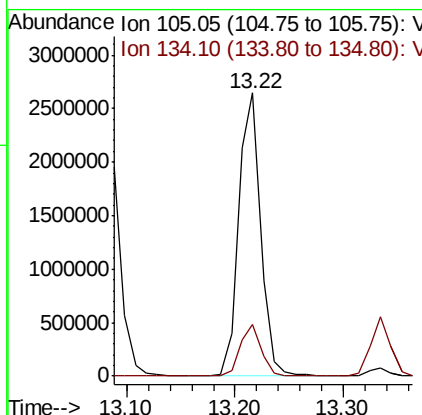
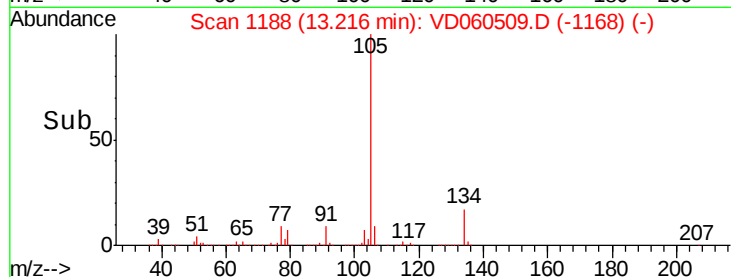
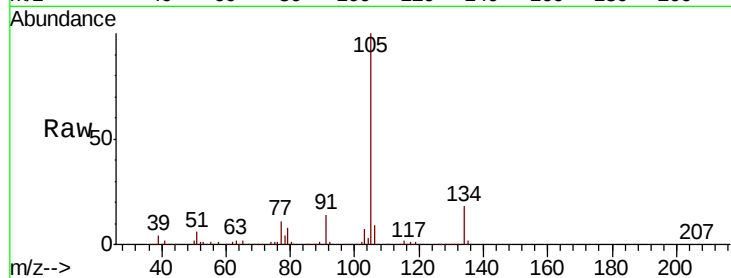
#85
 sec-Butylbenzene
 Concen: 48.237 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3701064
 Ion Ratio Lower Upper
 105 100
 134 18.2 7.9 23.7

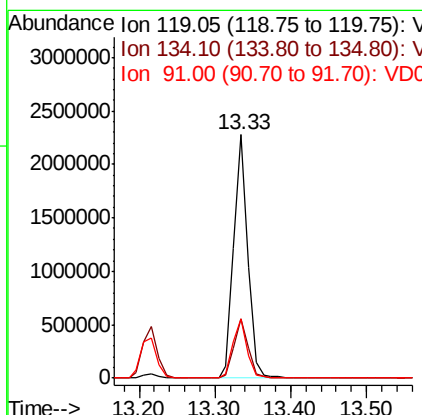
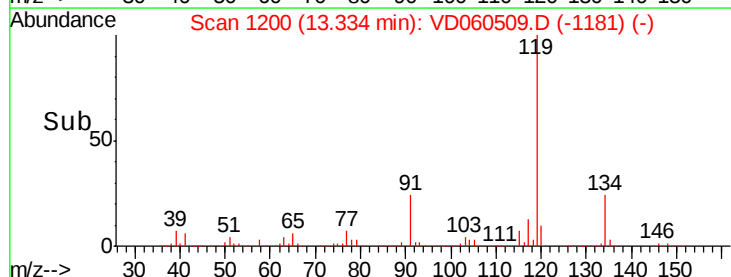
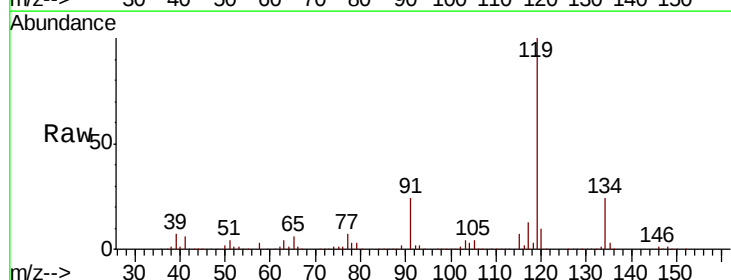
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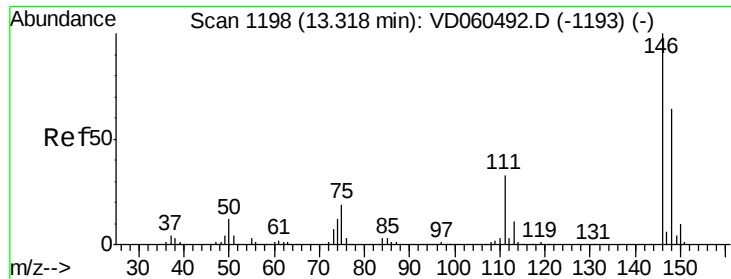
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#86
 p-Isopropyltoluene
 Concen: 47.349 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion:119 Resp: 2879858
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 24.3 11.5 34.4





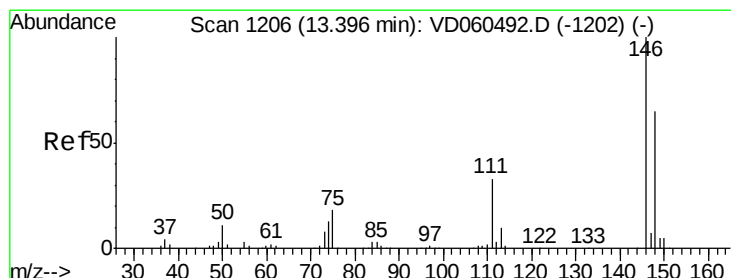
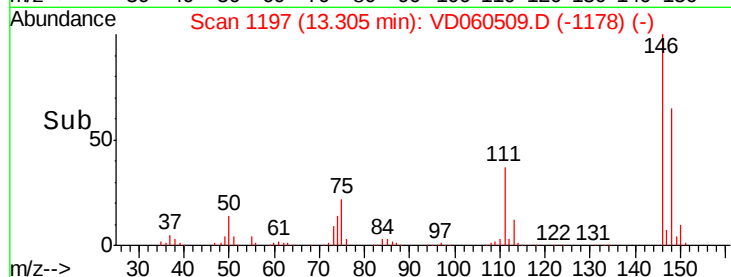
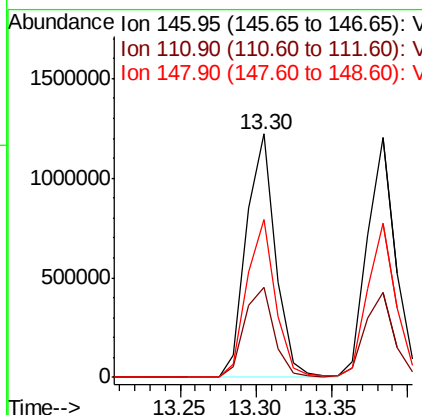
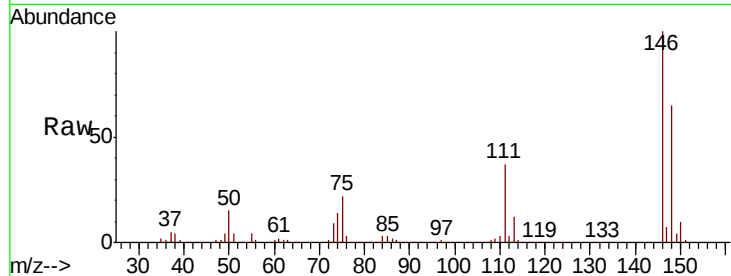
#87
 1,3-Dichlorobenzene
 Concen: 48.002 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	16.5	49.5
148	64.7	32.3	96.8

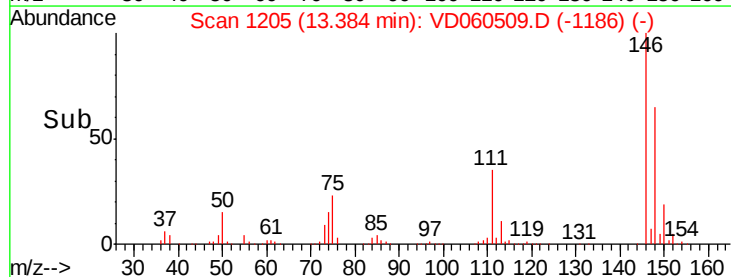
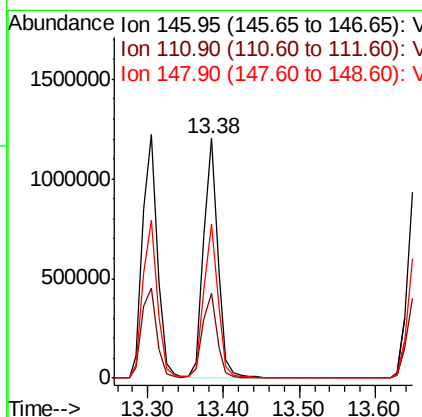
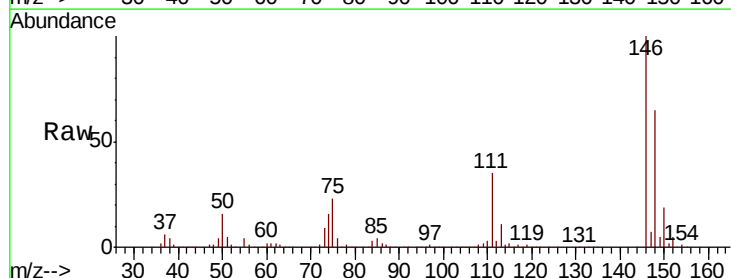
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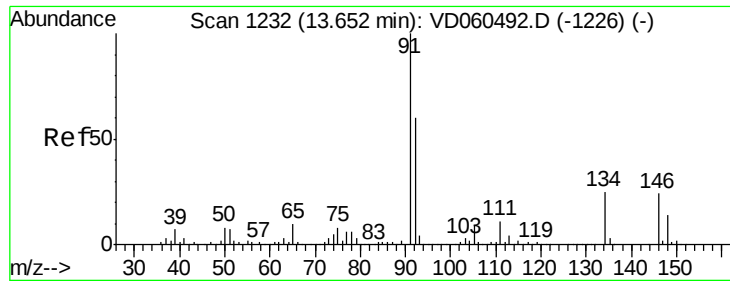
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#88
 1,4-Dichlorobenzene
 Concen: 47.132 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	16.4	49.1
148	64.5	32.6	98.0





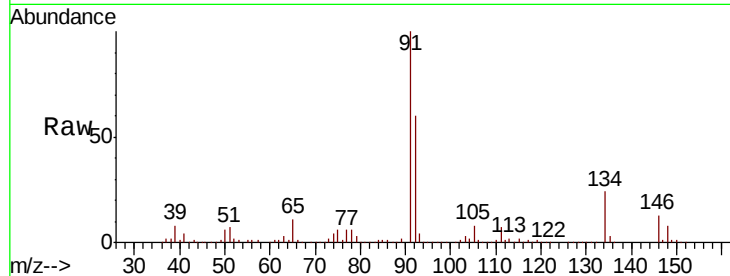
#89
n-Butylbenzene
Concen: 50.060 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

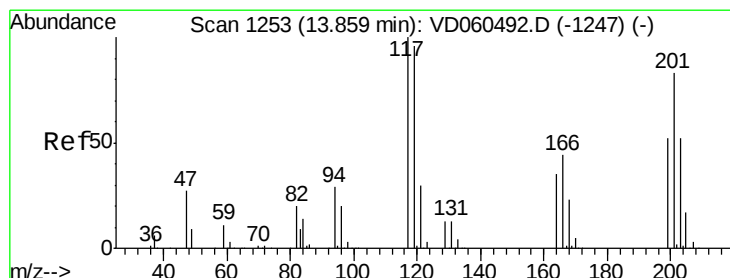
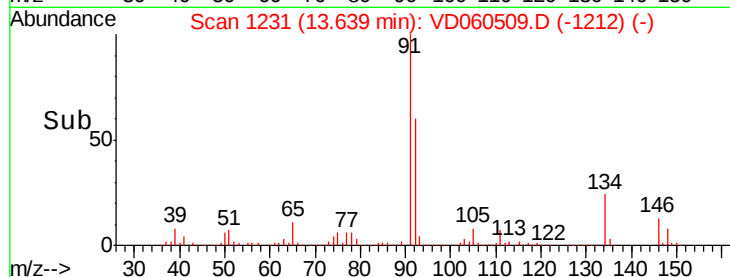
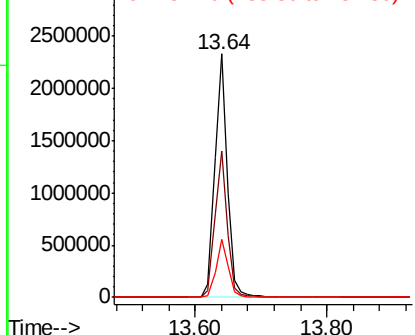
Tot Ion: 91 Resp: 3015258
Ion Ratio Lower Upper
91 100
92 60.3 30.0 90.1
134 24.1 12.5 37.5

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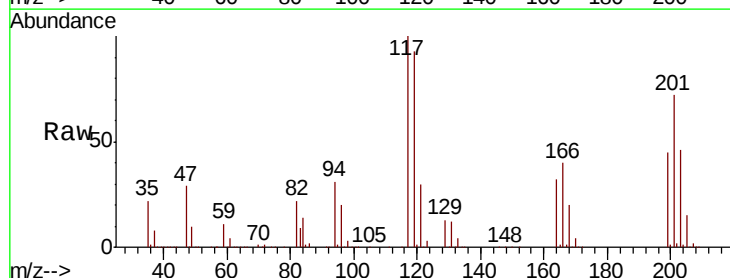


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

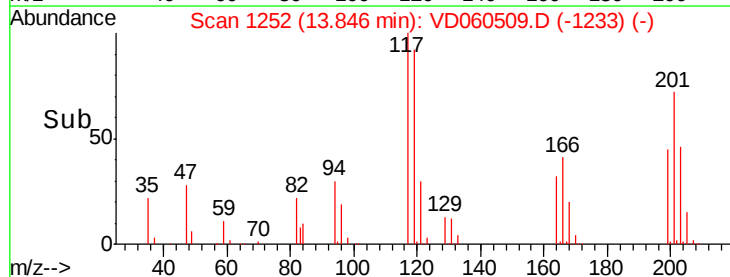
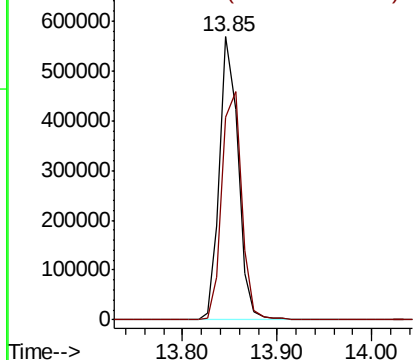


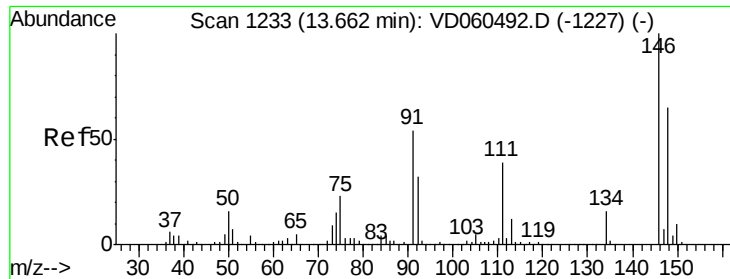
#90
Hexachloroethane
Concen: 51.210 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 117 Resp: 780933
Ion Ratio Lower Upper
117 100
201 71.6 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





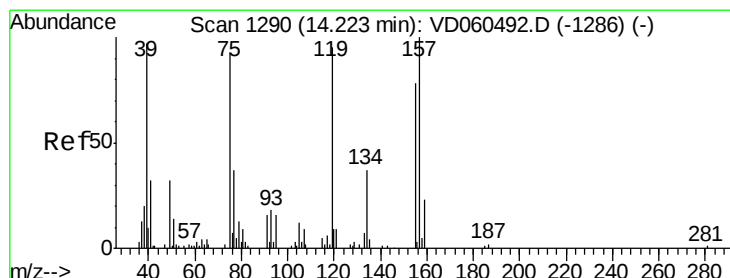
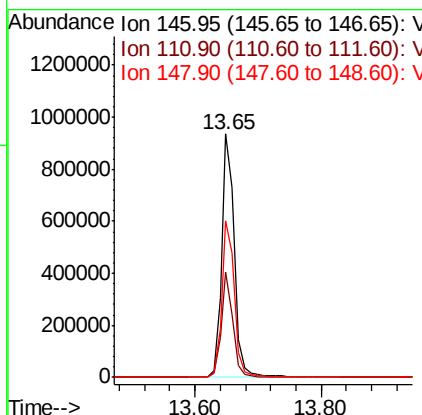
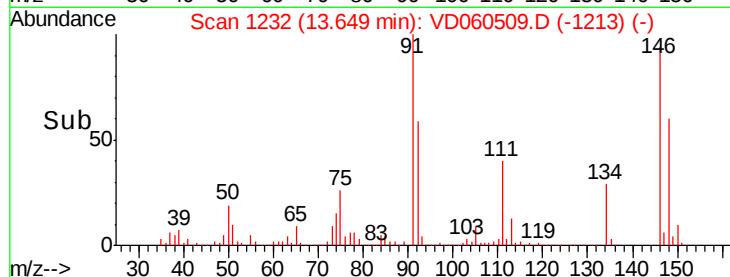
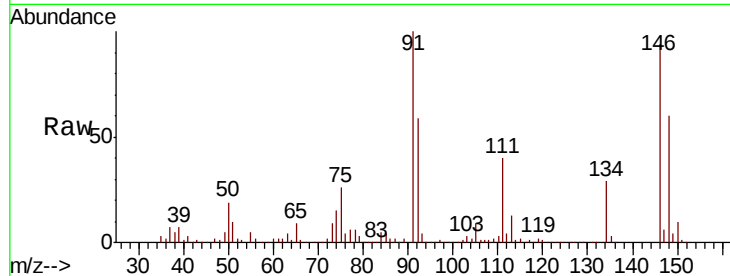
#91
 1,2-Dichlorobenzene
 Concen: 46.990 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1313182
 Ion Ratio Lower Upper
 146 100
 111 43.0 19.3 57.8
 148 64.2 32.3 96.8

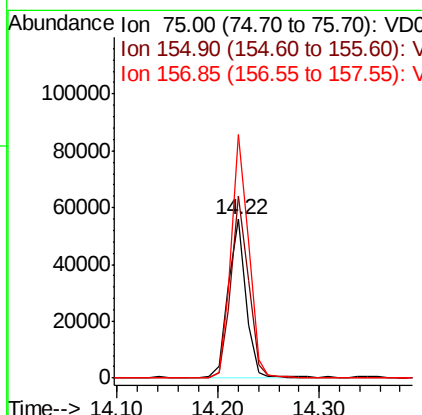
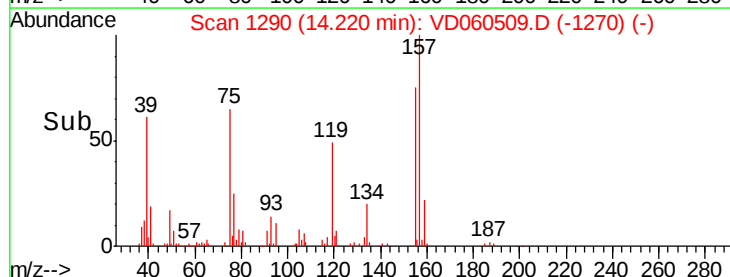
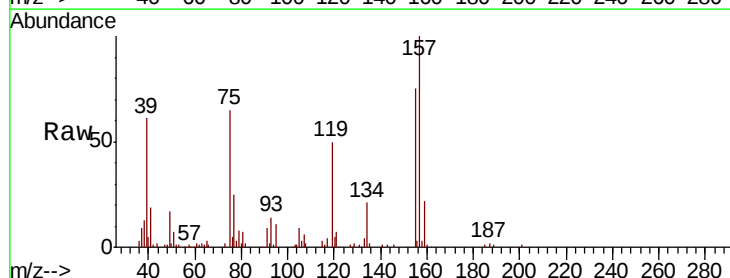
Manual Integrations
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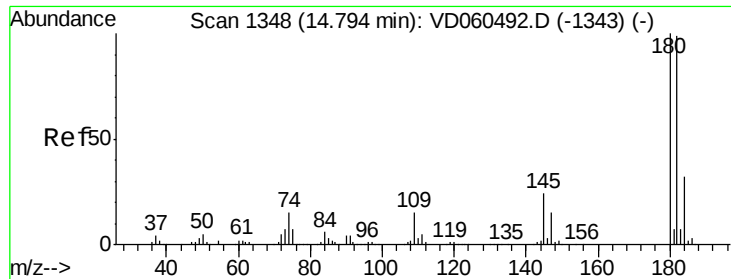
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.429 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 75 Resp: 68894
 Ion Ratio Lower Upper
 75 100
 155 114.4 41.6 124.9
 157 153.4 53.6 160.8





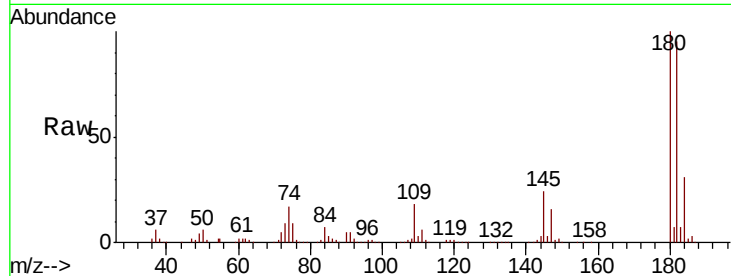
#93
 1,2,4-Trichlorobenzene
 Concen: 49.025 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

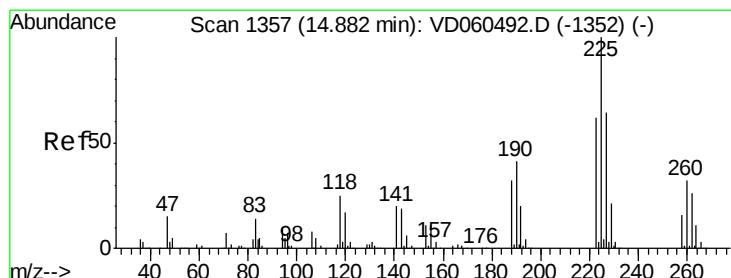
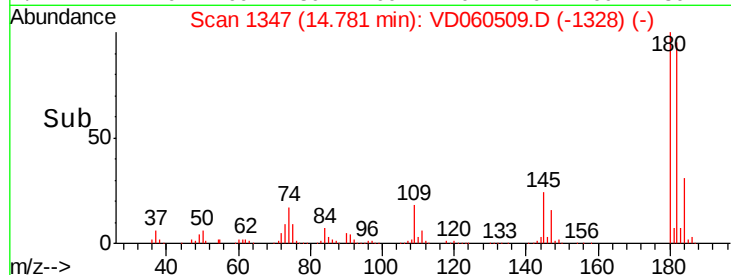
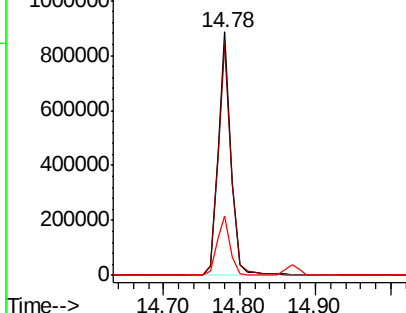
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	49.4	148.0
145	24.3	11.9	35.9

Manual Integrations
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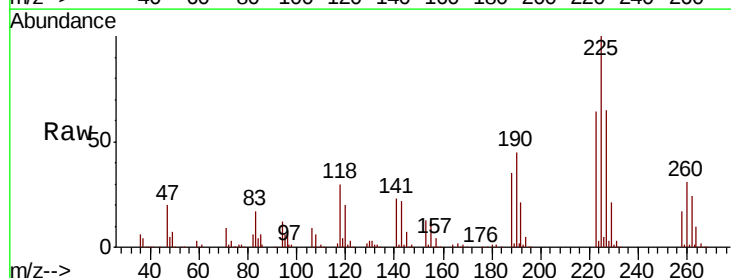


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

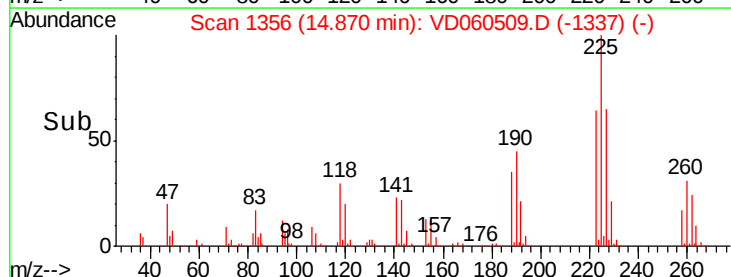
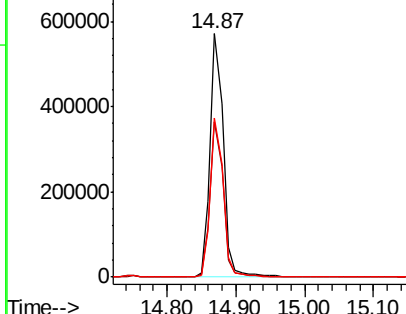


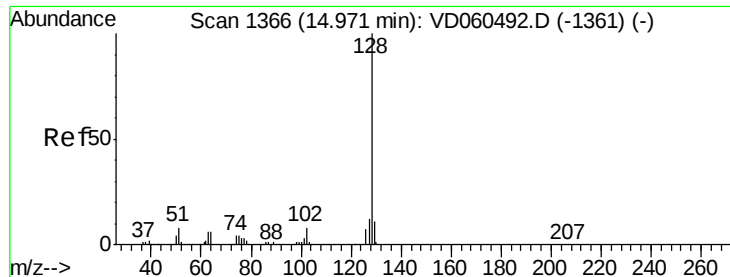
#94
 Hexachlorobutadiene
 Concen: 47.528 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.2	93.6
227	65.2	32.0	96.0



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





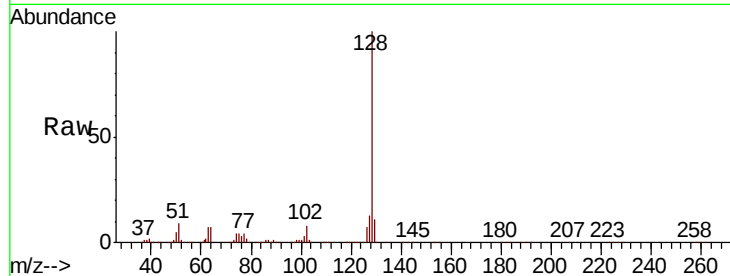
#95
Naphthalene
Concen: 48.932 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.8
129	11.4	8.6	13.0

Manual Integrations
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apatel
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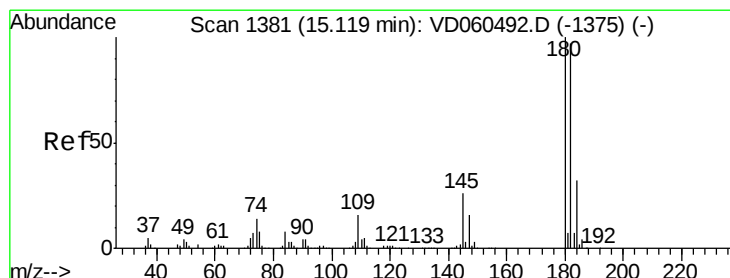
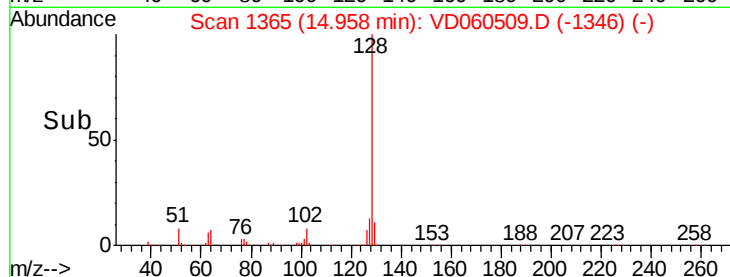
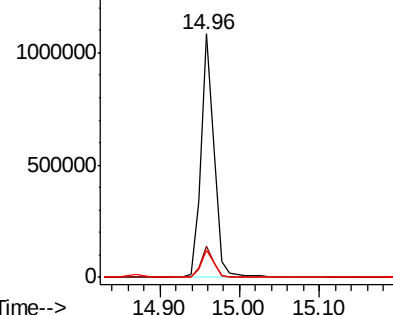


Abundance

Ion 128.00 (127.70 to 128.70): V

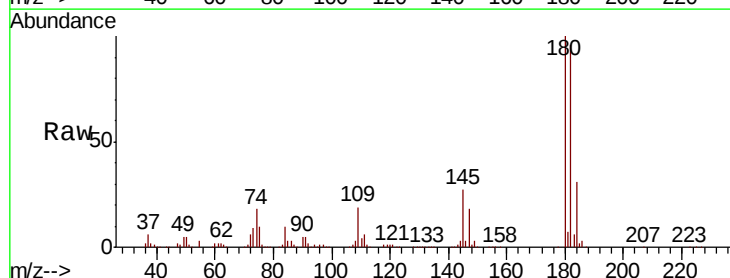
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.623 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.5
145	27.2	12.9	38.7



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

