

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060743.D
 Acq On : 28 Dec 2018 12:20
 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
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 1/2/2019 1:14:41 PM

Quant Time: Dec 29 03:25:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1510440	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	2111264	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1752839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	545856	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	6.34	113	794550	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	9.47	98	2338491	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.43	95	848915	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	865519	44.846	ug/l	100
3) Chloromethane	1.79	50	752564	42.370	ug/l	97
4) Vinyl Chloride	1.88	62	624313	44.272	ug/l	100
5) Bromomethane	2.18	94	194100	61.447	ug/l	97
6) Chloroethane	2.29	64	226619	53.849	ug/l	99
7) Trichlorofluoromethane	2.54	101	755679	48.178	ug/l	100
8) Diethyl Ether	2.85	74	126147	48.070	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.12	101	481912	47.366	ug/l	93
10) Methyl Iodide	3.28	142	544100	50.885	ug/l	97
11) Tert butyl alcohol	3.99	59	104072	238.568	ug/l	96
12) 1,1-Dichloroethene	3.10	96	401054	47.973	ug/l	96
13) Acrolein	3.01	56	82237	184.991	ug/l	99
14) Allyl chloride	3.56	41	773871	50.449	ug/l	99
15) Acrylonitrile	4.11	53	589183	232.637	ug/l	97
16) Acetone	3.18	43	438078	240.321	ug/l	93
17) Carbon Disulfide	3.34	76	1218362	45.634	ug/l	99
18) Methyl Acetate	3.58	43	240238	53.177	ug/l	99
19) Methyl tert-butyl Ether	4.15	73	1025743	48.362	ug/l	98
20) Methylene Chloride	3.75	84	758908m	40.088	ug/l	
21) trans-1,2-Dichloroethene	4.13	96	783492	45.763	ug/l	99
22) Diisopropyl ether	4.88	45	2474930	47.519	ug/l	99
23) Vinyl Acetate	4.83	43	5881284	233.403	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1324476	48.347	ug/l	99
25) 2-Butanone	5.64	43	820905	235.336	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1047843	48.456	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	821624	47.275	ug/l	100
28) Bromochloromethane	5.94	49	480989	41.560	ug/l	95
29) Tetrahydrofuran	5.97	42	448508	226.808	ug/l	99
30) Chloroform	6.12	83	1324274	48.040	ug/l	99
31) Cyclohexane	6.39	56	1130722	42.889	ug/l	97
32) 1,1,1-Trichloroethane	6.31	97	1058073	46.394	ug/l	97
36) 1,1-Dichloropropene	6.54	75	992570	45.656	ug/l	99
37) Ethyl Acetate	5.72	43	392589	43.178	ug/l	97
38) Carbon Tetrachloride	6.52	117	882704	46.023	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1096361	44.217	ug/l	100
40) Benzene	6.81	78	2645190	47.104	ug/l	99
41) Methacrylonitrile	5.94	41	195001m	38.773	ug/l	
42) 1,2-Dichloroethane	6.91	62	667480	47.897	ug/l	98
43) Isopropyl Acetate	8.35	43	526732	45.143	ug/l	99
44) Trichloroethene	7.75	130	802815	48.301	ug/l	100
45) 1,2-Dichloropropane	8.12	63	647057	46.984	ug/l	98
46) Dibromomethane	8.23	93	371339	47.244	ug/l	94
47) Bromodichloromethane	8.50	83	916955	49.255	ug/l	97
48) Methyl methacrylate	8.26	41	327450	46.206	ug/l	99
49) 1,4-Dioxane	8.24	88	60388	916.472	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	1649194	230.700	ug/l	99
52) Toluene	9.55	92	1656226	47.046	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	774276	49.852	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	987425	48.573	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	436033	46.034	ug/l	98
56) Ethyl methacrylate	10.04	69	419184	47.646	ug/l	99
57) 1,3-Dichloropropane	10.39	76	708839	47.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1183201	228.245	ug/l	97
59) 2-Hexanone	10.50	43	1210653	241.947	ug/l	100
60) Dibromochloromethane	10.65	129	591378	49.016	ug/l	97
61) 1,2-Dibromoethane	10.76	107	464345	47.263	ug/l	94
64) Tetrachloroethene	10.26	164	714736	44.988	ug/l	98
65) Chlorobenzene	11.32	112	1735684	44.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	589360	47.332	ug/l	98
67) Ethyl Benzene	11.43	91	2969850	44.778	ug/l	99
68) m/p-Xylenes	11.57	106	2202195	90.857	ug/l	100
69) o-Xylene	11.94	106	1040355	45.242	ug/l	89
70) Styrene	11.97	104	1713221	46.259	ug/l	100
71) Bromoform	12.12	173	392144	47.710	ug/l	95
73) Isopropylbenzene	12.28	105	2878328	44.235	ug/l	100
74) N-amyl acetate	12.14	43	704554	45.878	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	490916	46.546	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	477377	45.881	ug/l	100
77) Bromobenzene	12.55	156	804219	46.814	ug/l	96
78) n-propylbenzene	12.64	91	3690133	44.360	ug/l	100
79) 2-Chlorotoluene	12.71	91	2038325	45.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2272701	45.232	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	134488	46.777	ug/l	92
82) 4-Chlorotoluene	12.81	91	2259279	44.737	ug/l	96
83) tert-Butylbenzene	13.05	119	2606519	45.582	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	2340564	45.229	ug/l	100
85) sec-Butylbenzene	13.22	105	3141620	45.050	ug/l	98
86) p-Isopropyltoluene	13.34	119	2453568	43.586	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1431844	45.403	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1370340	44.097	ug/l	96
89) n-Butylbenzene	13.65	91	2600500	45.207	ug/l	97
90) Hexachloroethane	13.86	117	660135	47.736	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	1176180	46.494	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	58395	47.128	ug/l	78

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	961188	47.750	ug/l	97
94) Hexachlorobutadiene	14.89	225	674654	45.343	ug/l	100
95) Naphthalene	14.97	128	1081504	45.205	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	726892	46.194	ug/l	96

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

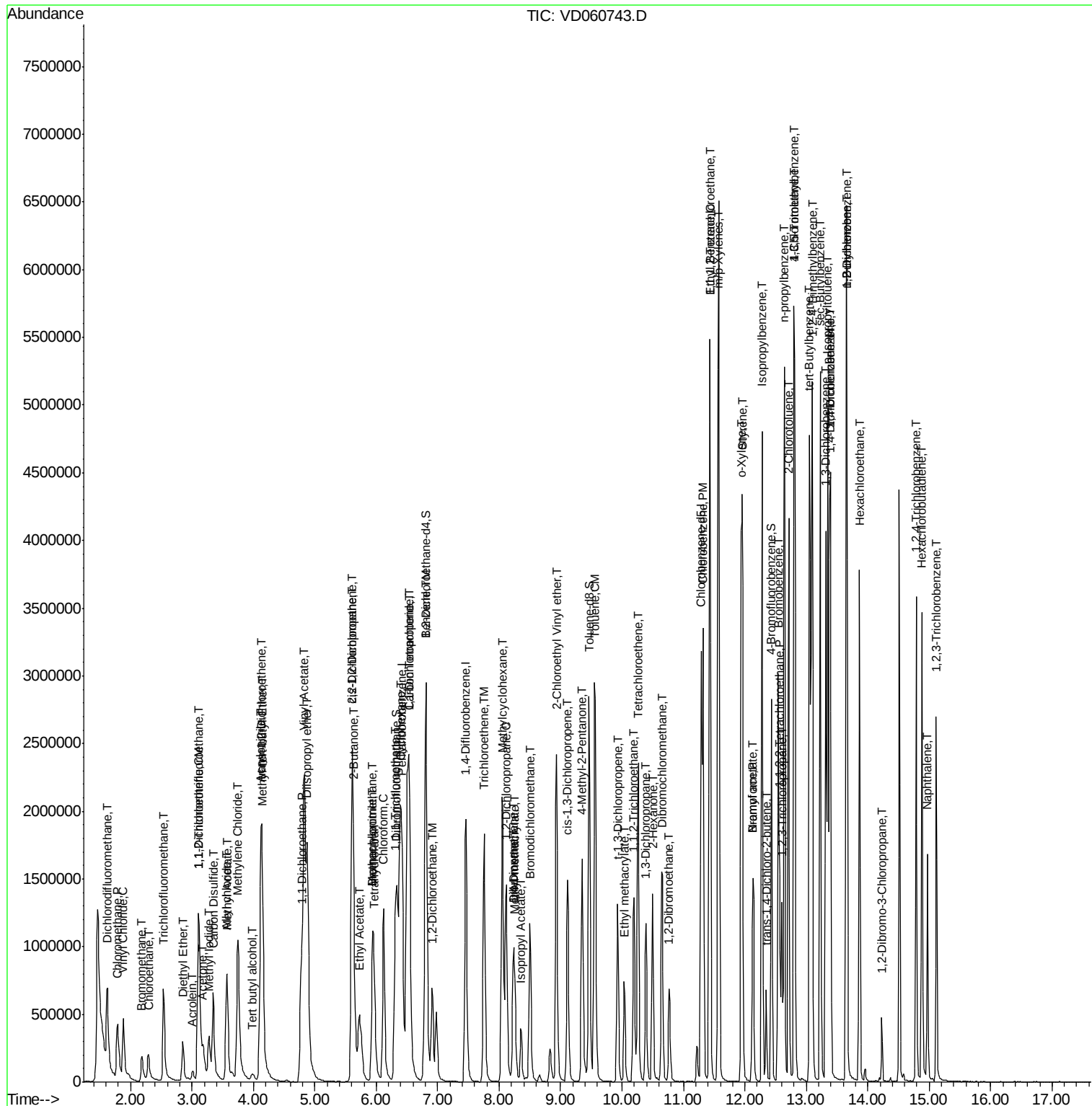
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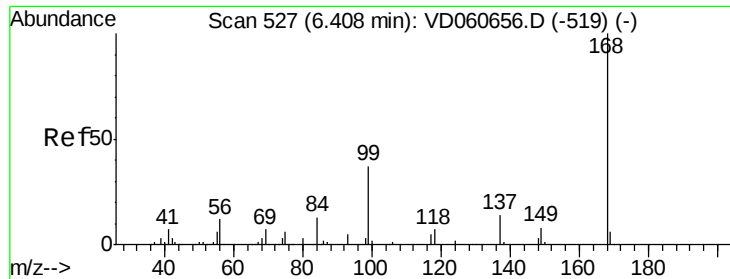
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1510440

Ion Ratio Lower Upper

168 100

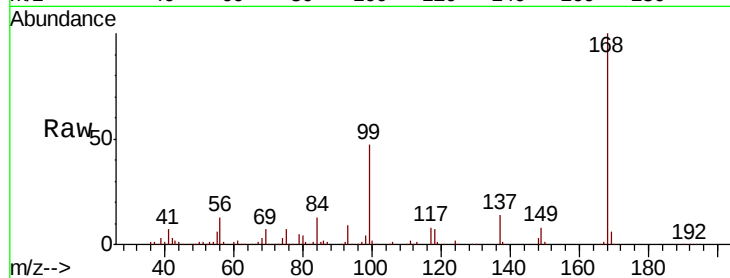
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Manual Integrations

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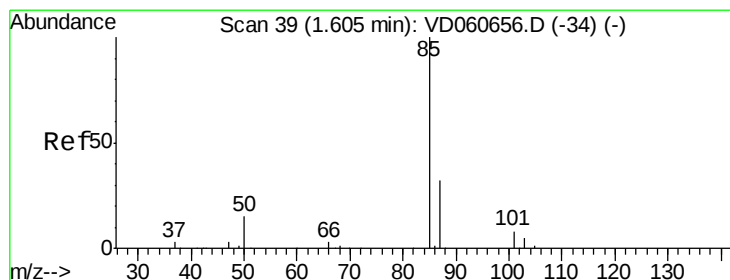
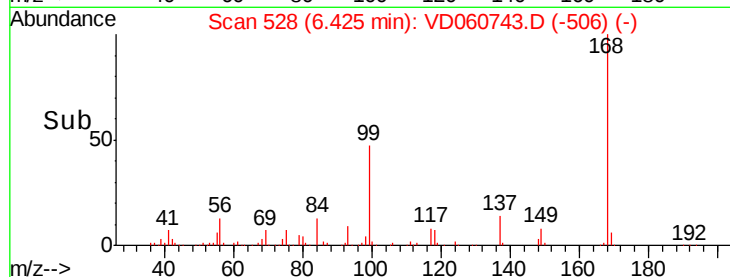
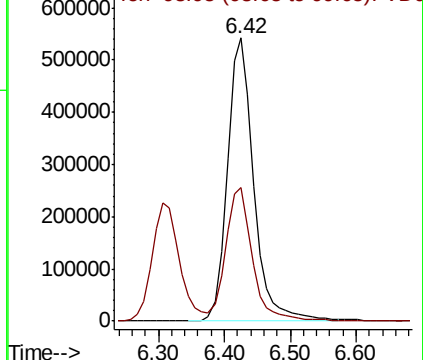
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.846 ug/l

RT: 1.62 min Scan# 40

Delta R.T. 0.02 min

Lab File: VD060743.D

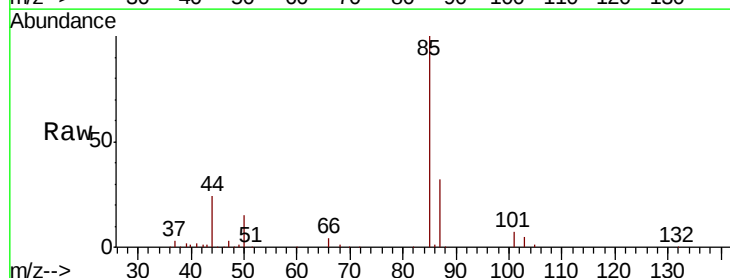
Acq: 28 Dec 2018 12:20

Tgt Ion: 85 Resp: 865519

Ion Ratio Lower Upper

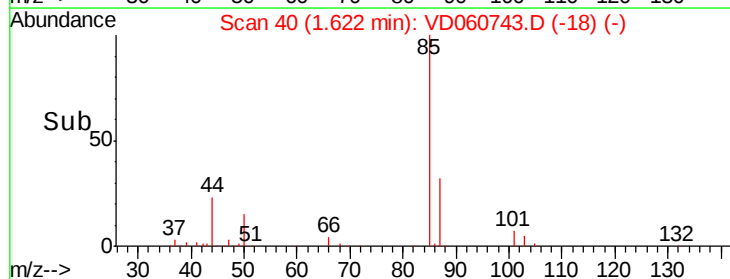
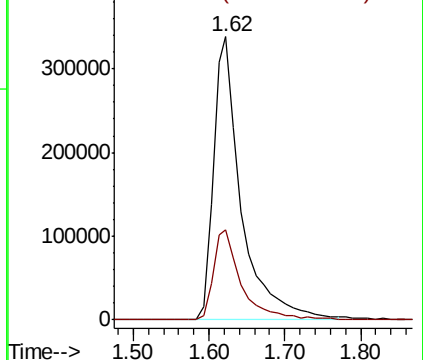
85 100

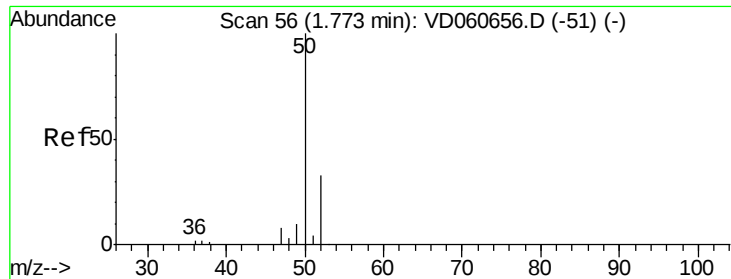
87 32.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.370 ug/l

RT: 1.79 min Scan# 57

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 752564

Ion Ratio Lower Upper

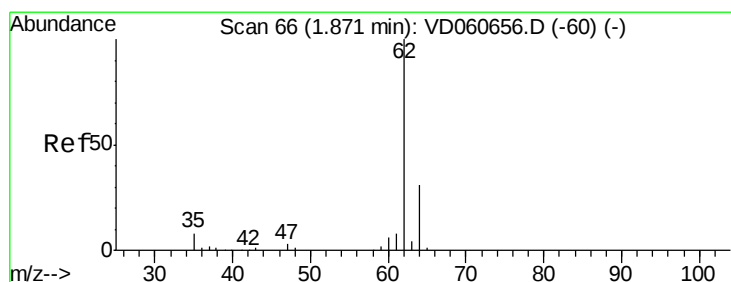
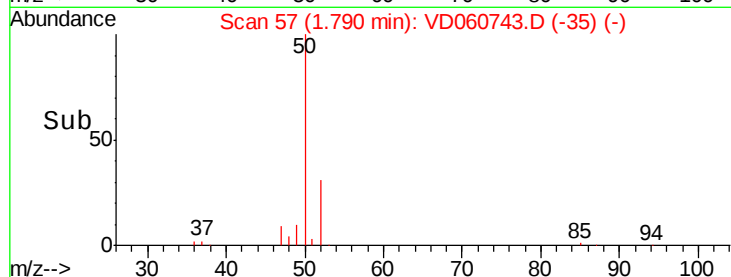
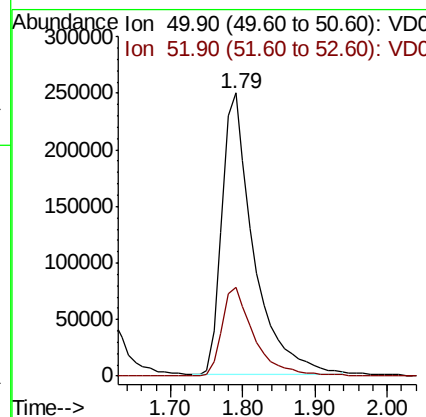
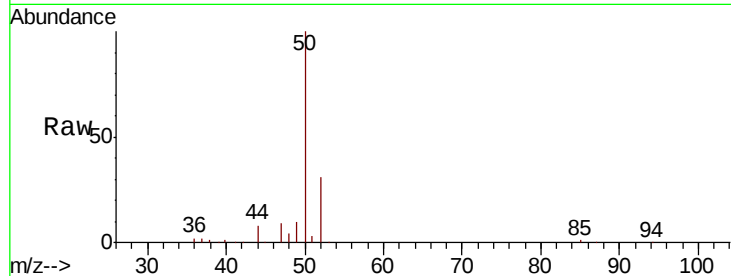
50 100

52 31.5 26.6 39.8

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#4

Vinyl Chloride

Concen: 44.272 ug/l

RT: 1.88 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060743.D

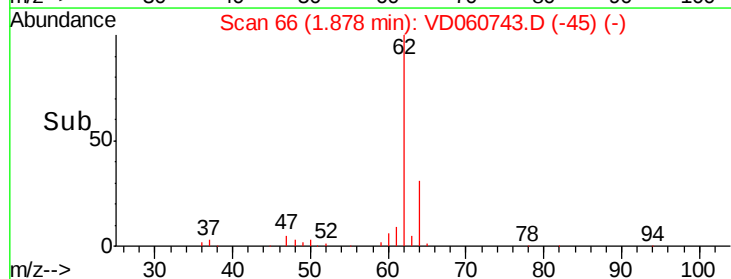
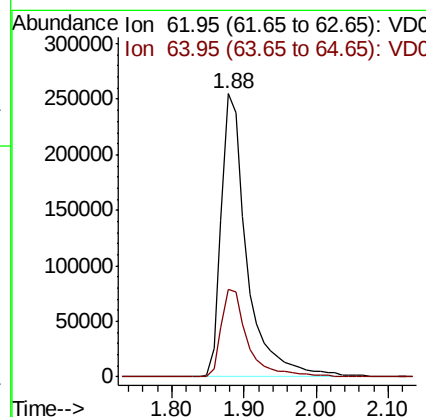
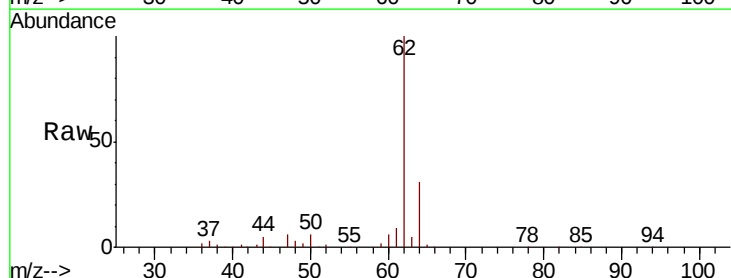
Acq: 28 Dec 2018 12:20

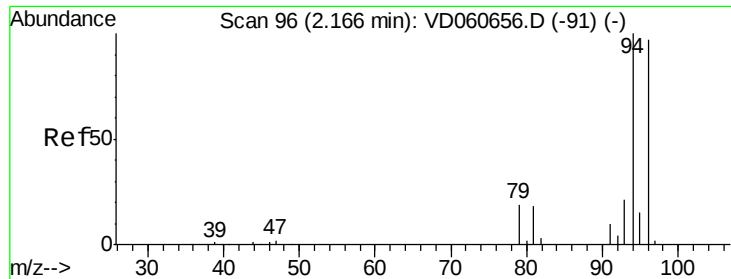
Tgt Ion: 62 Resp: 624313

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6





#5

Bromomethane

Concen: 61.447 ug/l

RT: 2.18 min Scan# 97

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

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Tot Ion: 94 Resp: 194100

Ion Ratio Lower Upper

94 100

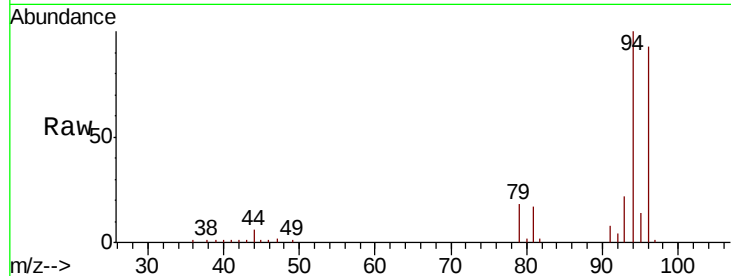
96 93.2 77.2 115.8

Manual Integrations

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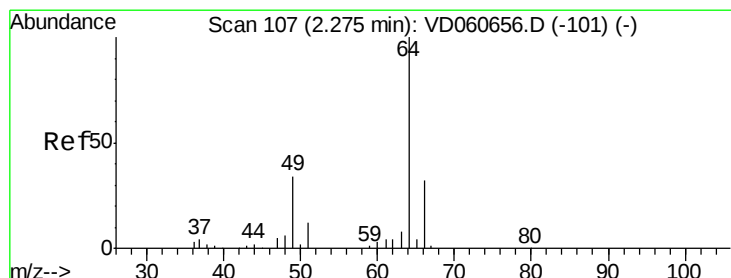
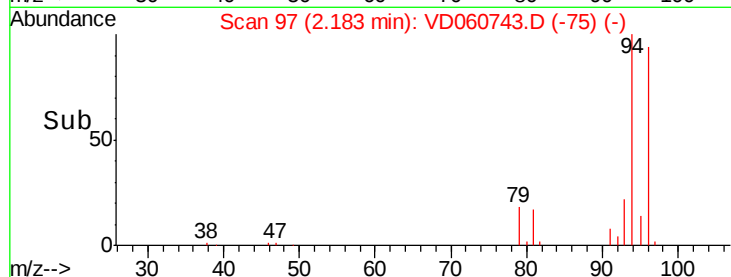
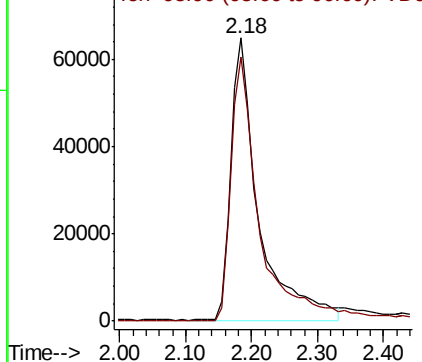
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.849 ug/l

RT: 2.29 min Scan# 108

Delta R.T. 0.02 min

Lab File: VD060743.D

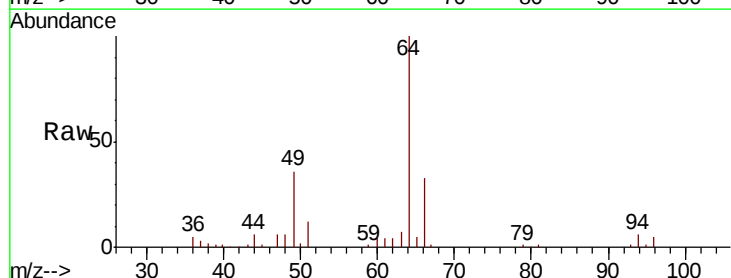
Acq: 28 Dec 2018 12:20

Tgt Ion: 64 Resp: 226619

Ion Ratio Lower Upper

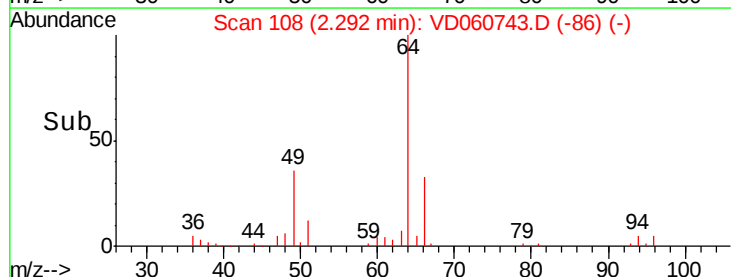
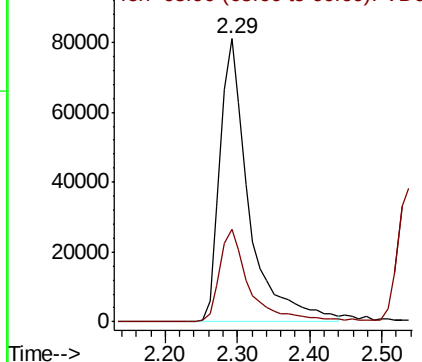
64 100

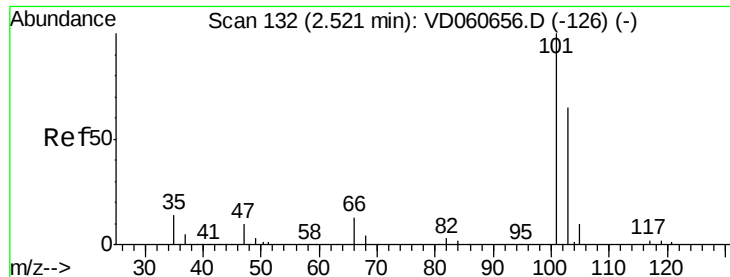
66 32.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

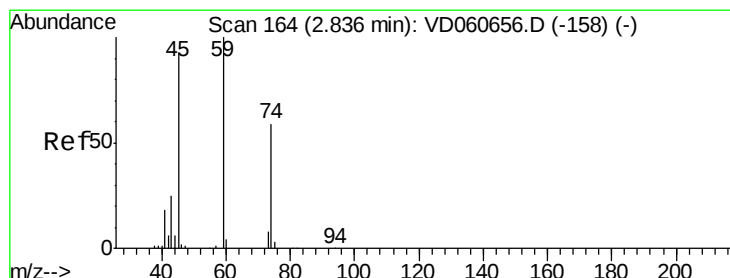
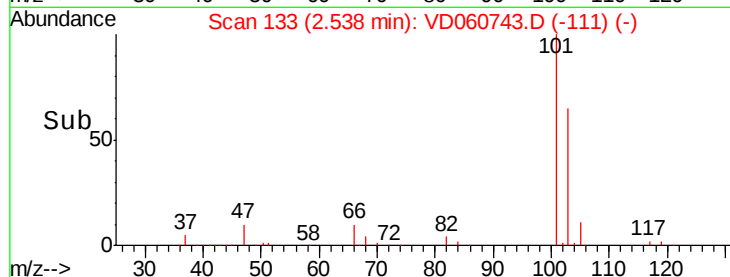
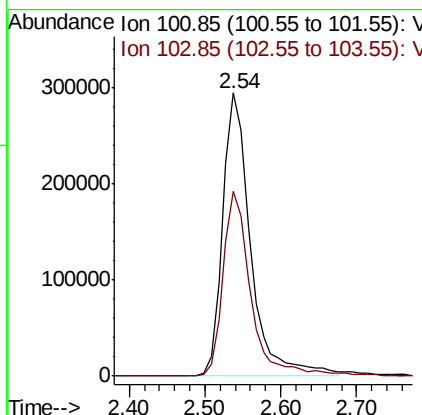
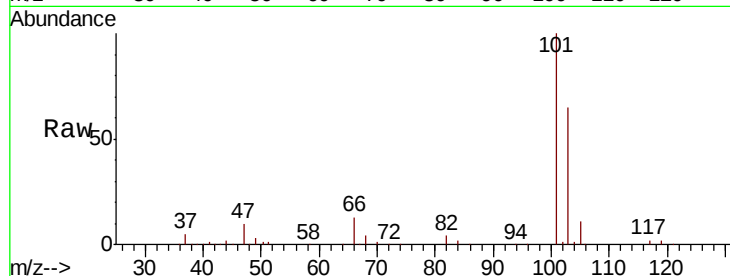
Trichlorofluoromethane
 Concen: 48.178 ug/l
 RT: 2.54 min Scan# 133
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.9	77.9

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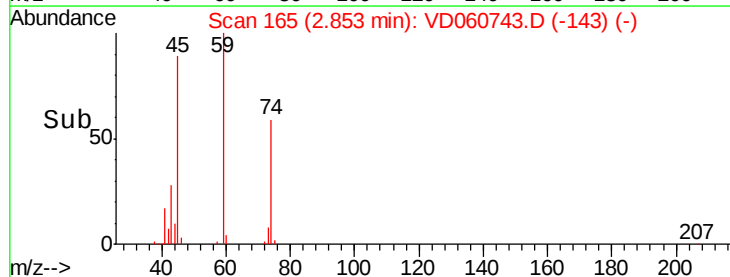
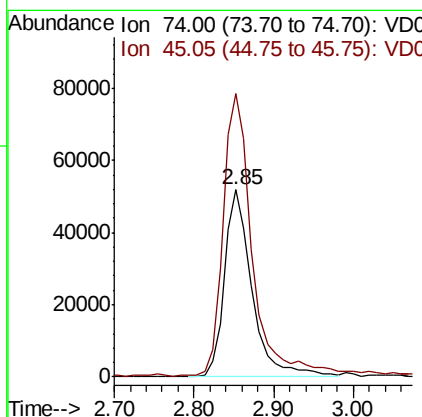
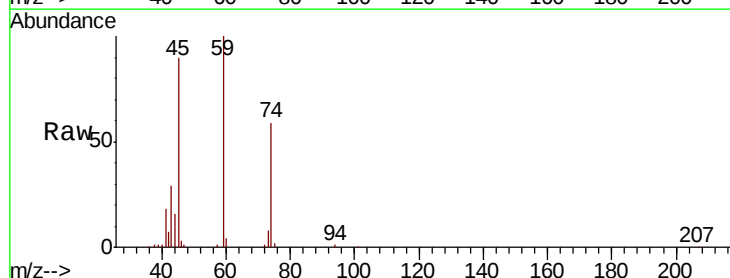
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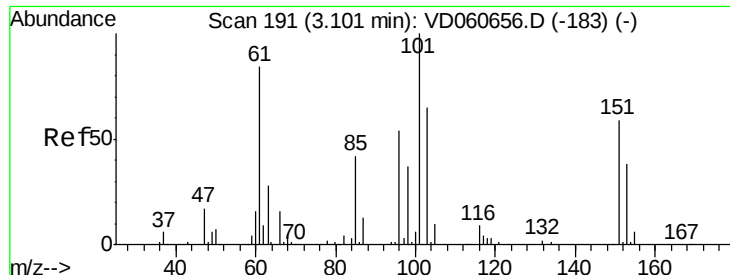


#8

Diethyl Ether
 Concen: 48.070 ug/l
 RT: 2.85 min Scan# 165
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.5	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.366 ug/l

RT: 3.12 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

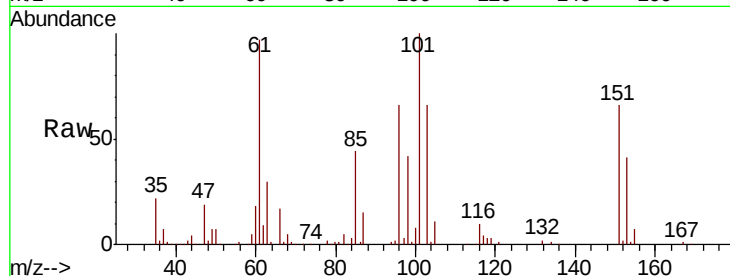
ClientSampleId :

VSTDCCC050

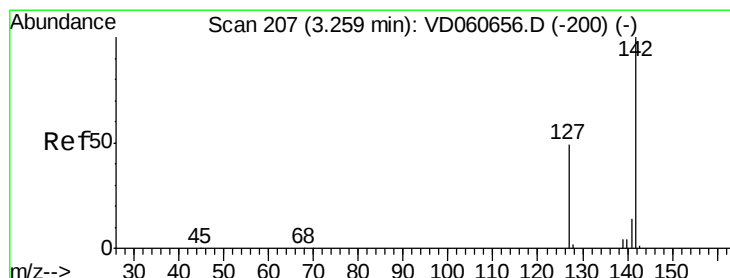
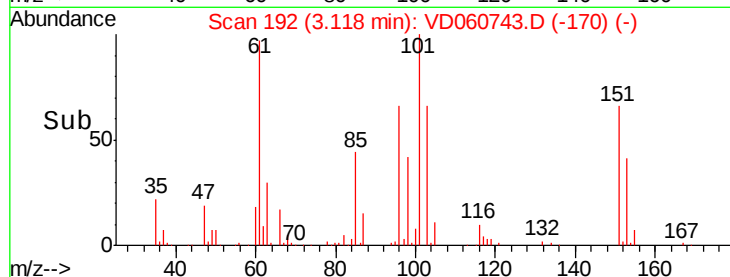
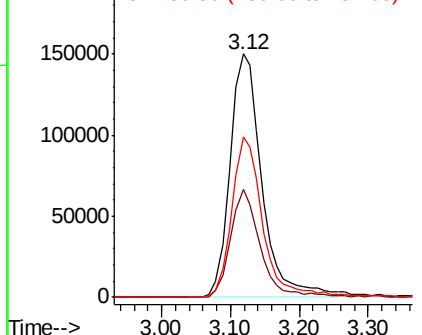
Tot Ion:	101	Resp:	481912
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.4	50.0
151	65.8	47.5	71.3

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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: 50.885 ug/l

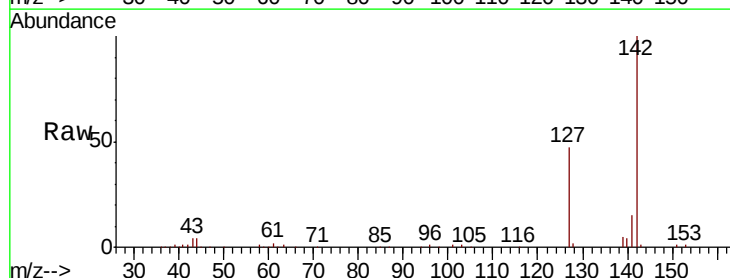
RT: 3.28 min Scan# 208

Delta R.T. 0.02 min

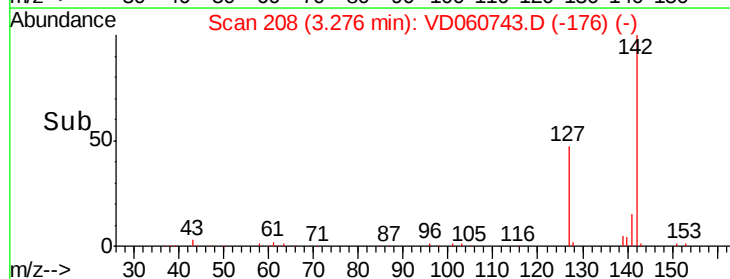
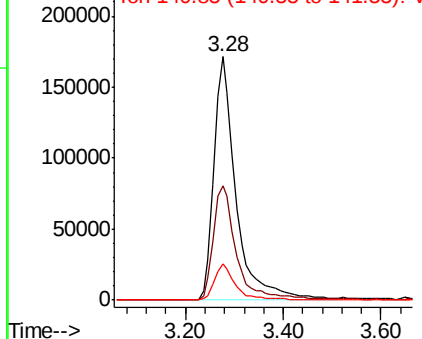
Lab File: VD060743.D

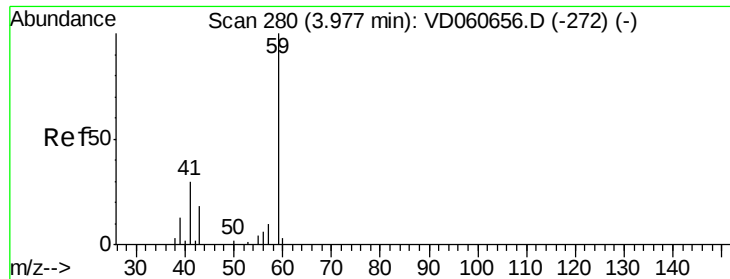
Acq: 28 Dec 2018 12:20

Tgt Ion:	142	Resp:	544100
Ion Ratio	Lower	Upper	
142	100		
127	47.1	39.5	59.3
141	14.9	11.3	16.9



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





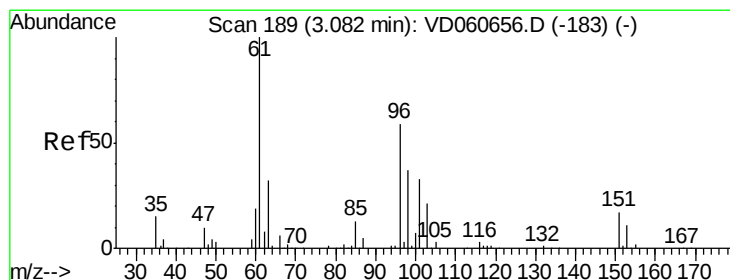
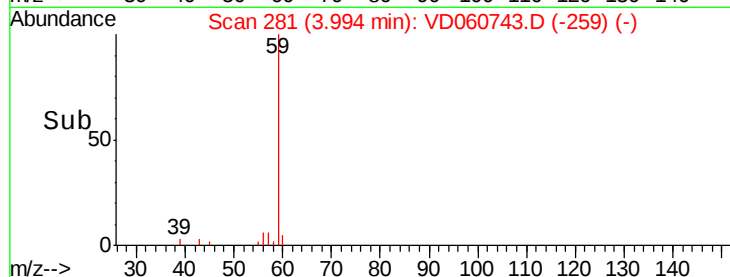
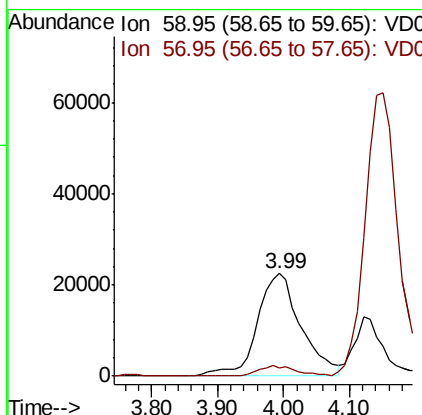
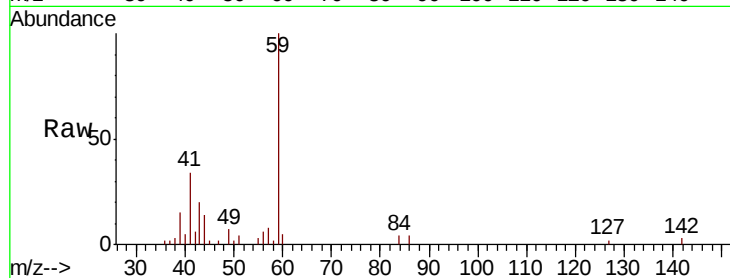
#11
Tert butyl alcohol
Concen: 238.568 ug/l
RT: 3.99 min Scan# 281
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 104072
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.6

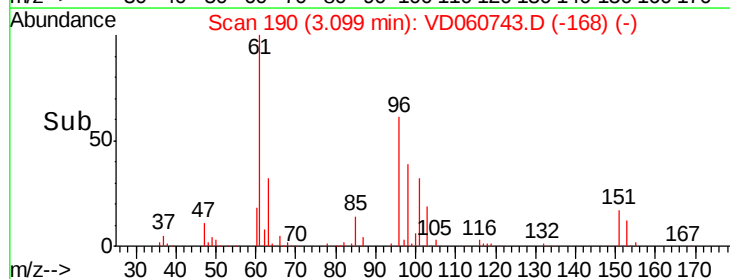
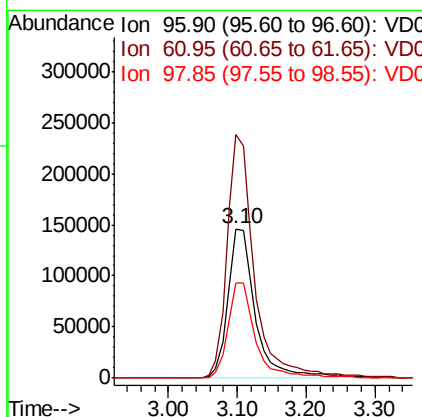
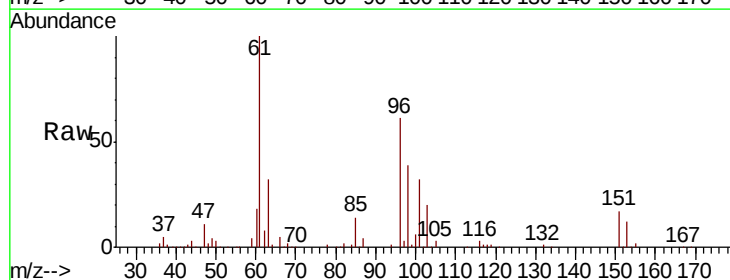
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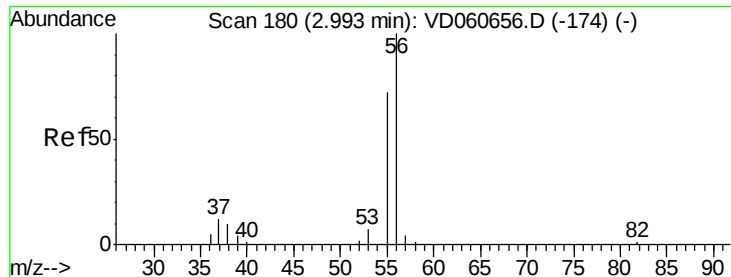
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#12
1,1-Dichloroethene
Concen: 47.973 ug/l
RT: 3.10 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 96 Resp: 401054
Ion Ratio Lower Upper
96 100
61 163.4 136.2 204.4
98 63.5 50.7 76.1





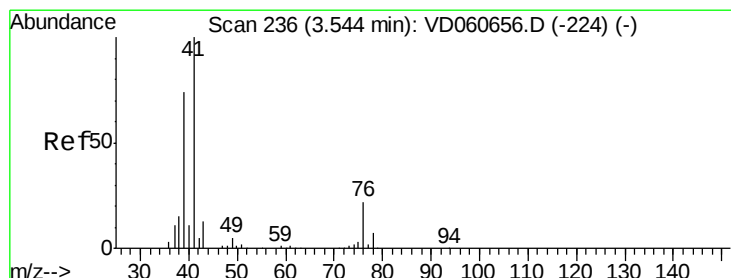
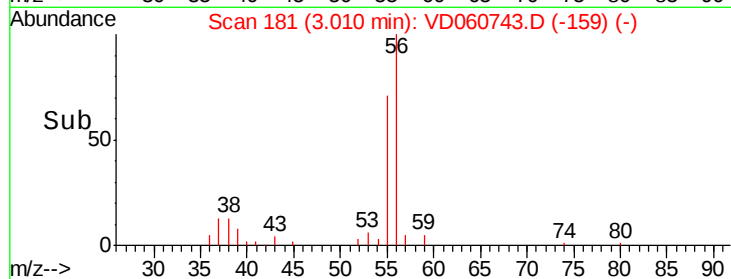
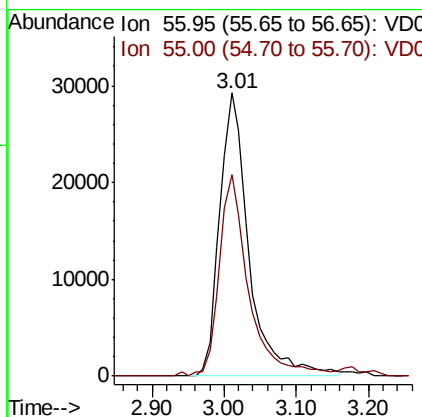
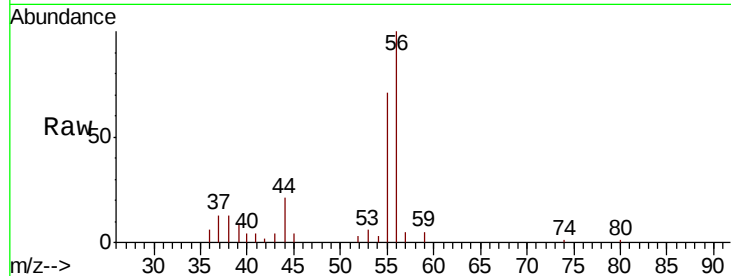
#13
Acrolein
Concen: 184.991 ug/l
RT: 3.01 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 82237
Ion Ratio Lower Upper
56 100
55 71.4 57.7 86.5

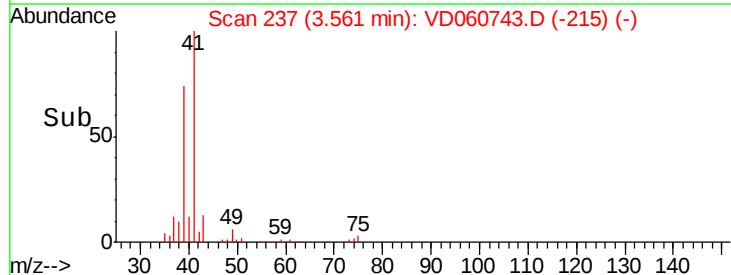
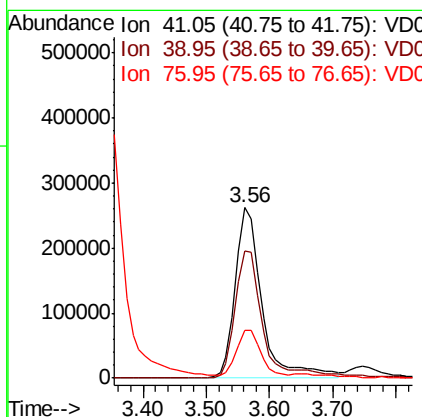
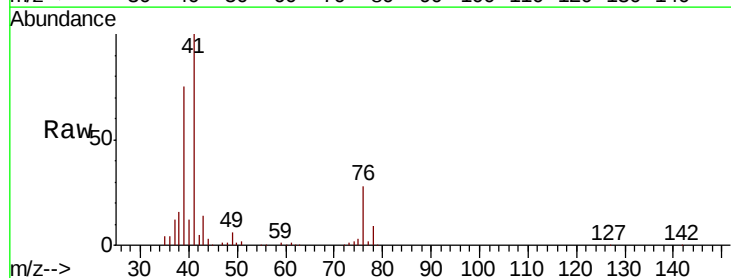
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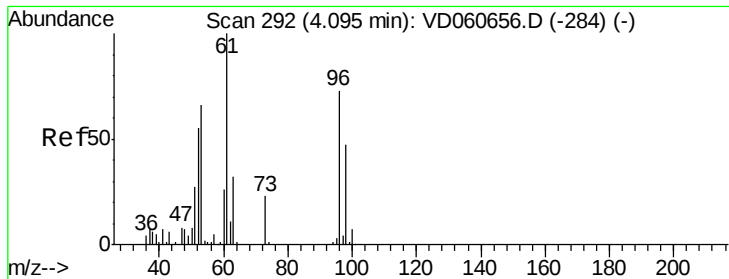
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#14
Allyl chloride
Concen: 50.449 ug/l
RT: 3.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 41 Resp: 773871
Ion Ratio Lower Upper
41 100
39 75.0 59.6 89.4
76 28.2 21.8 32.6





#15

Acrylonitrile

Concen: 232.637 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

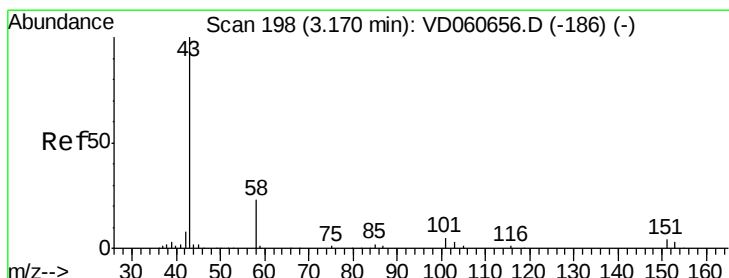
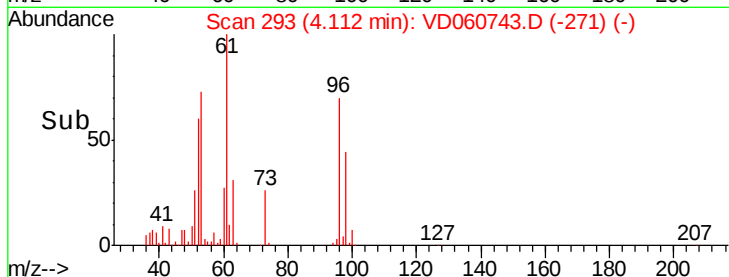
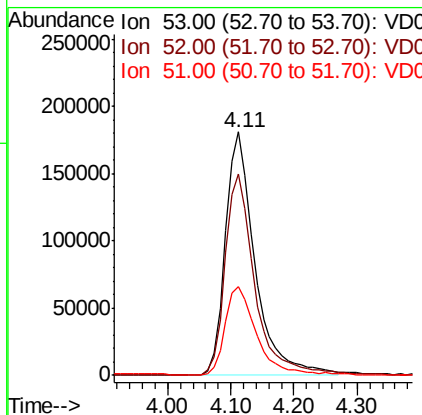
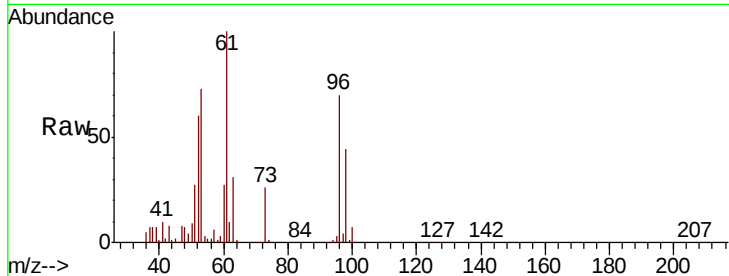
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	589183
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	36.6	32.7	49.1

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#16

Acetone

Concen: 240.321 ug/l

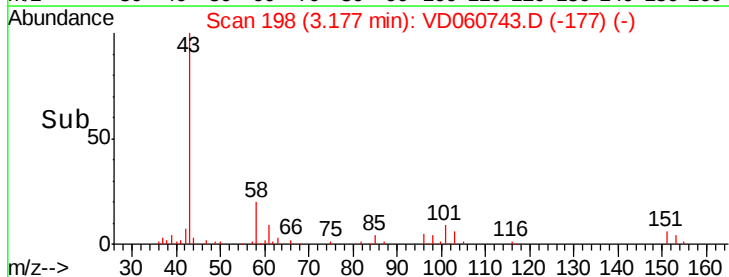
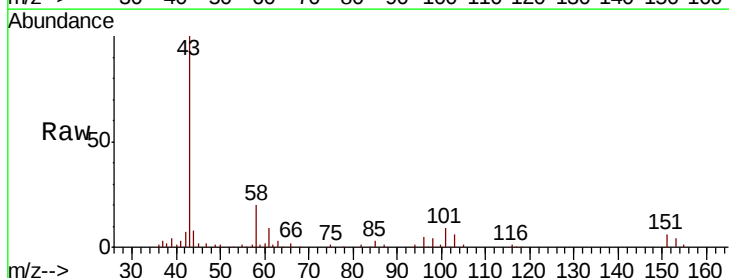
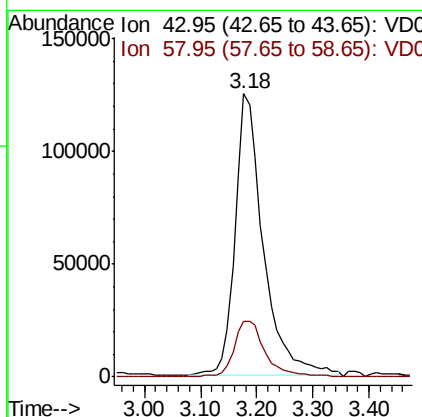
RT: 3.18 min Scan# 198

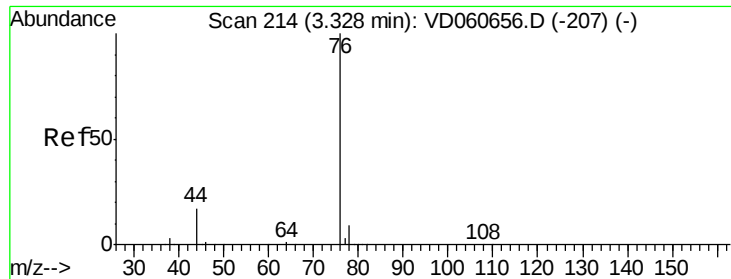
Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Tgt Ion:	43	Resp:	438078
Ion	Ratio	Lower	Upper
43	100		
58	19.6	18.2	27.2





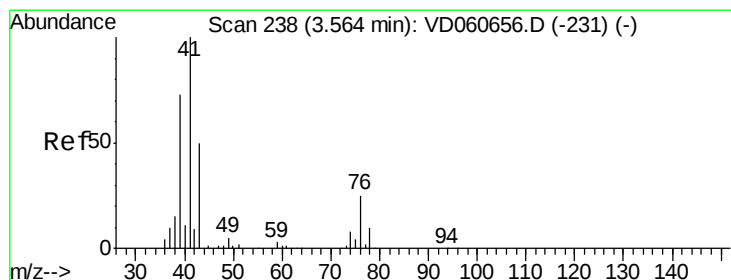
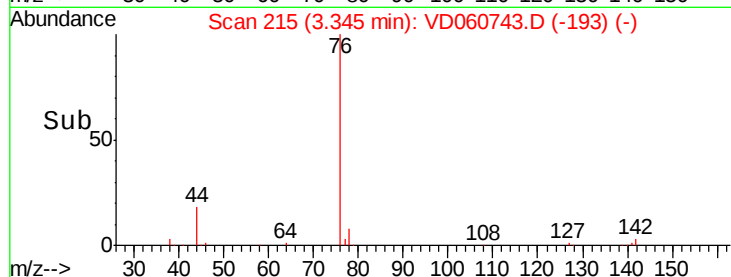
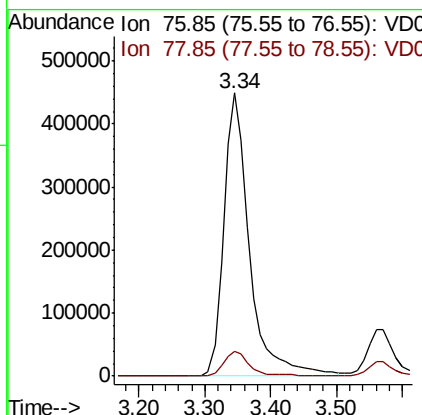
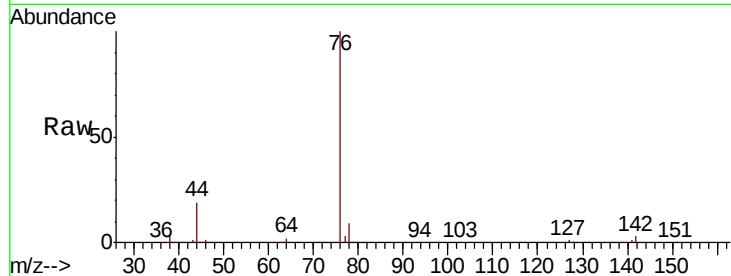
#17
Carbon Disulfide
Concen: 45.634 ug/l
RT: 3.34 min Scan# 215
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1218362
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

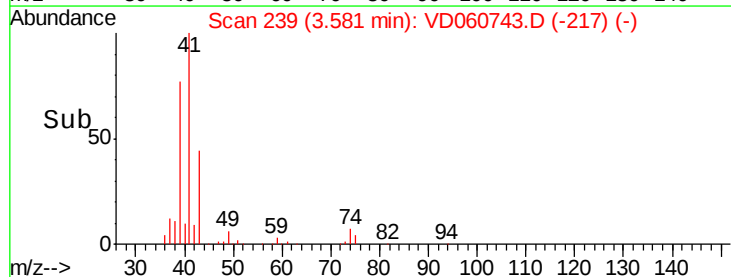
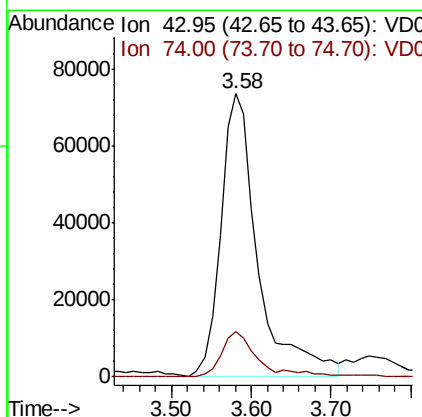
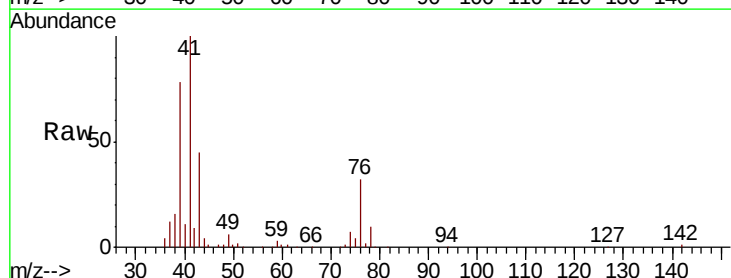
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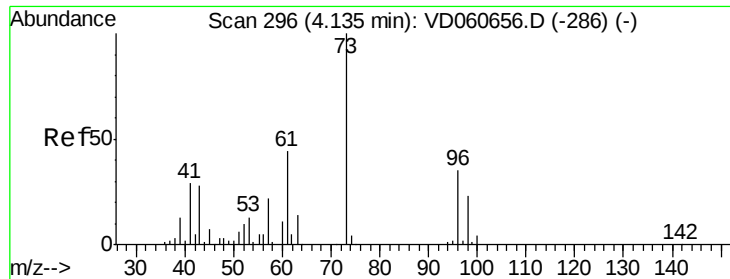
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#18
Methyl Acetate
Concen: 53.177 ug/l
RT: 3.58 min Scan# 239
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 43 Resp: 240238
Ion Ratio Lower Upper
43 100
74 16.1 12.4 18.6





#19

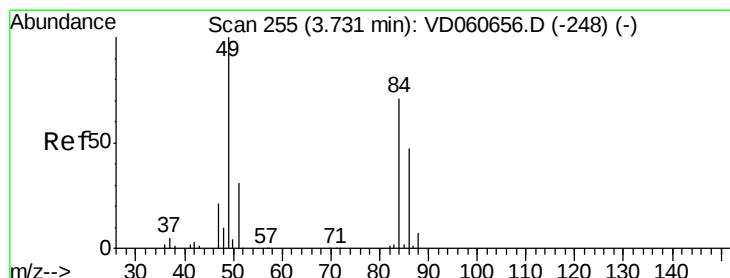
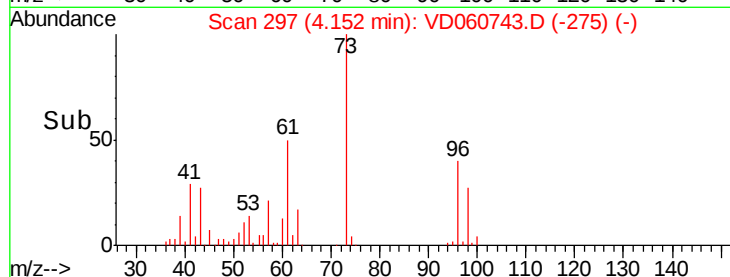
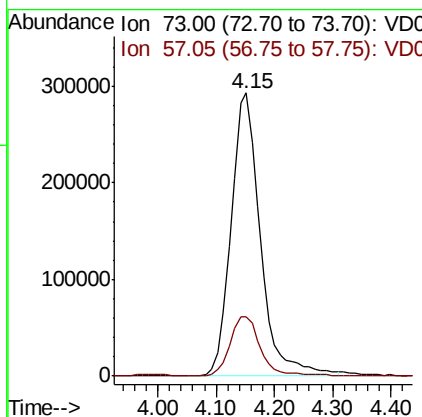
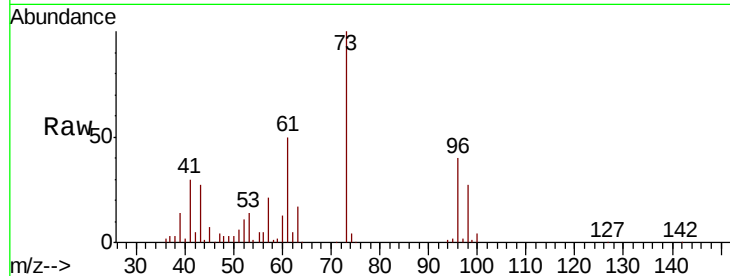
Methyl tert-butyl Ether
 Concen: 48.362 ug/l
 RT: 4.15 min Scan# 297
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1025743
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.6 26.4

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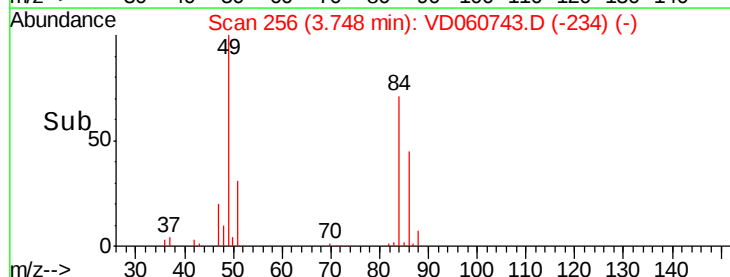
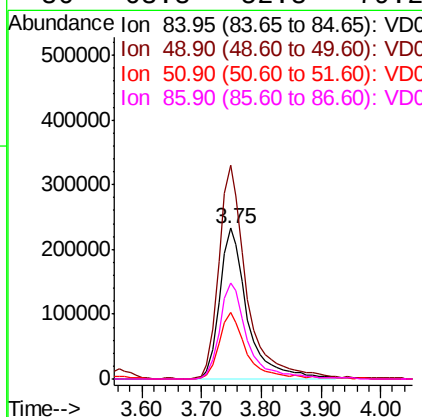
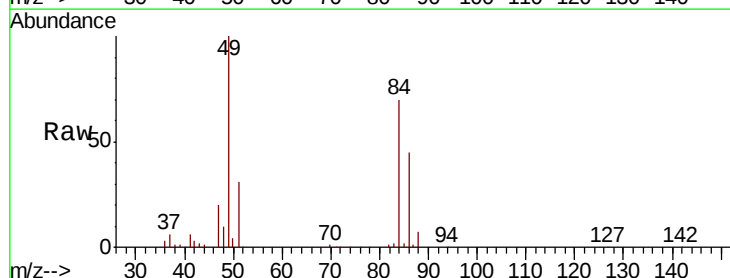
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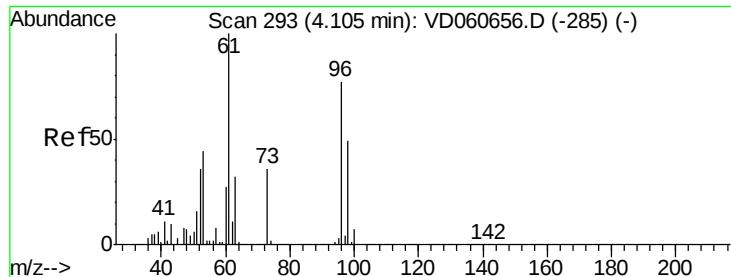


#20

Methylene Chloride
 Concen: 40.088 ug/l m
 RT: 3.75 min Scan# 256
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion: 84 Resp: 758908
 Ion Ratio Lower Upper
 84 100
 49 141.9 113.6 170.4
 51 44.5 34.7 52.1
 86 63.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 45.763 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 783492

Ion Ratio Lower Upper

96 100

61 129.0 104.2 156.2

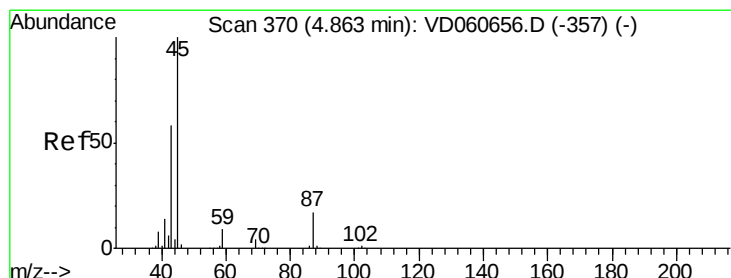
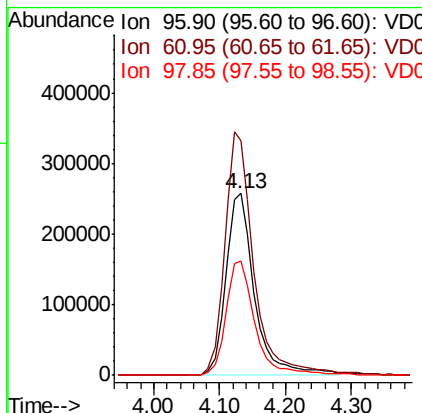
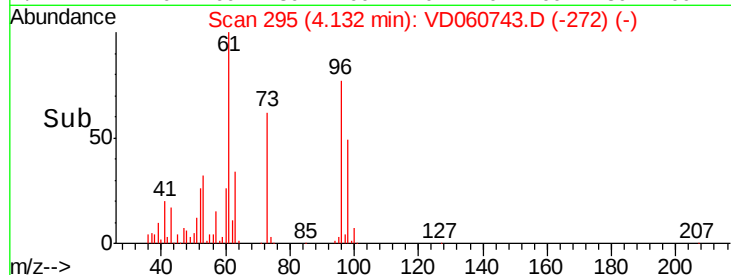
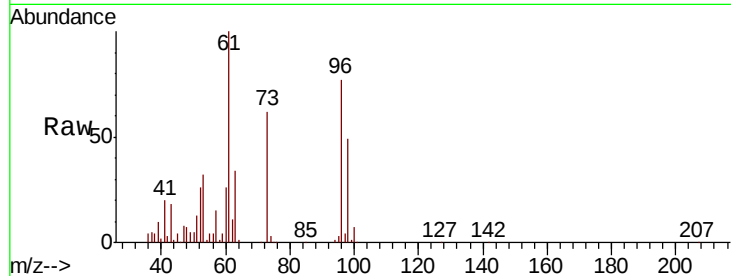
98 63.2 51.2 76.8

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#22

Diisopropyl ether

Concen: 47.519 ug/l

RT: 4.88 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Tgt Ion: 45 Resp: 2474930

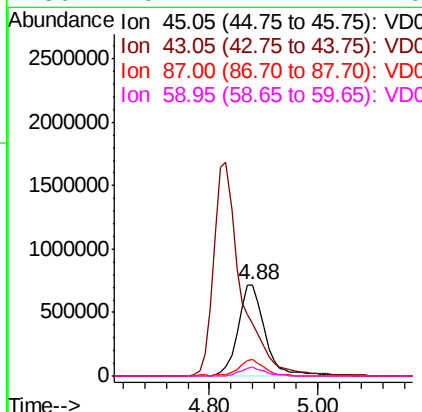
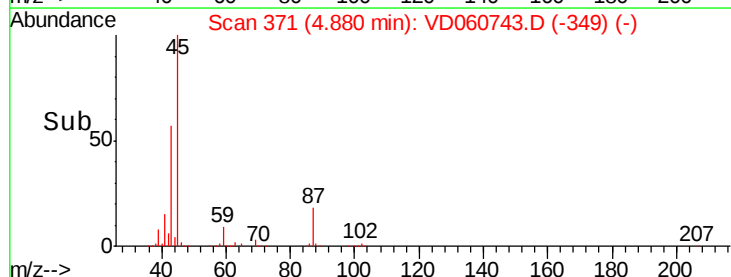
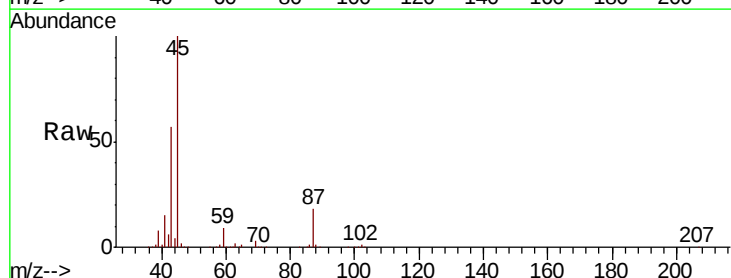
Ion Ratio Lower Upper

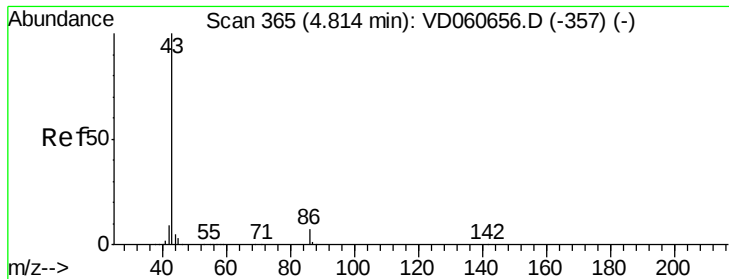
45 100

43 57.4 46.1 69.1

87 18.0 13.7 20.5

59 9.4 7.4 11.0





#23

Vinyl Acetate

Concen: 233.403 ug/l

RT: 4.83 min Scan# 366

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5881284

Ion Ratio Lower Upper

43 100

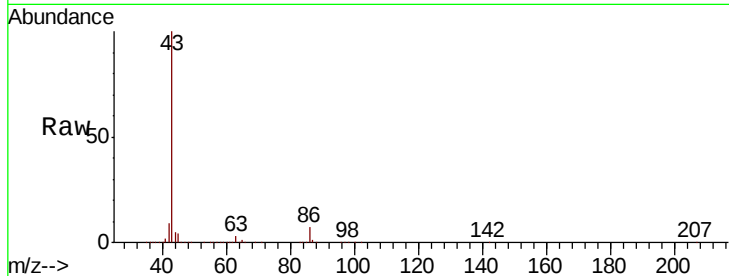
86 7.2 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2000000

1500000

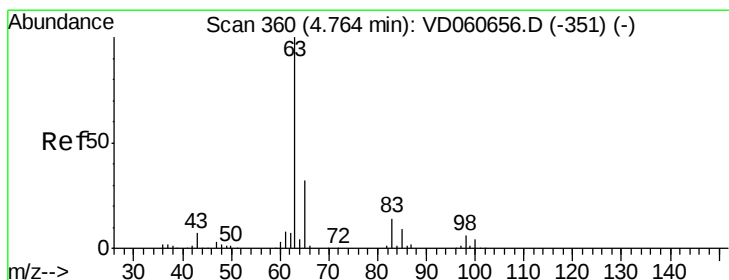
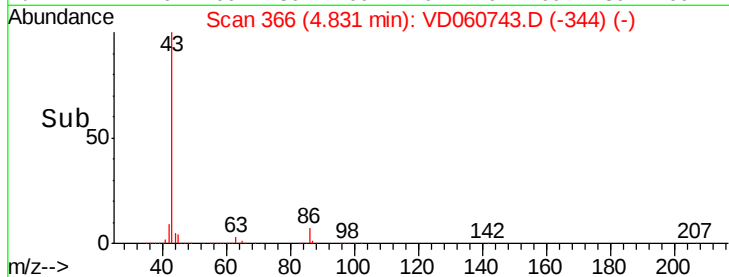
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.347 ug/l

RT: 4.78 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

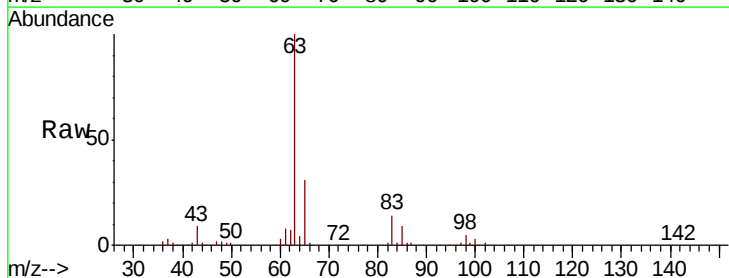
Tgt Ion: 63 Resp: 1324476

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.7

100 3.4 2.0 5.8



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

500000

400000

300000

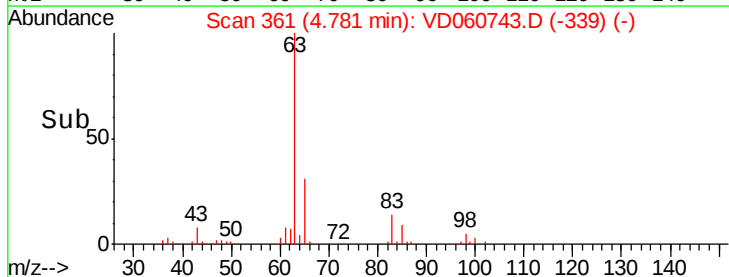
200000

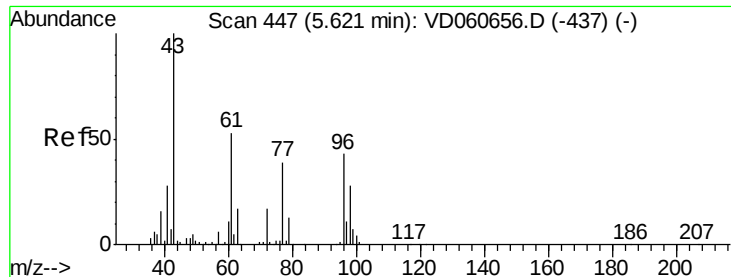
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 235.336 ug/l

RT: 5.64 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 820905

Ion Ratio Lower Upper

43 100

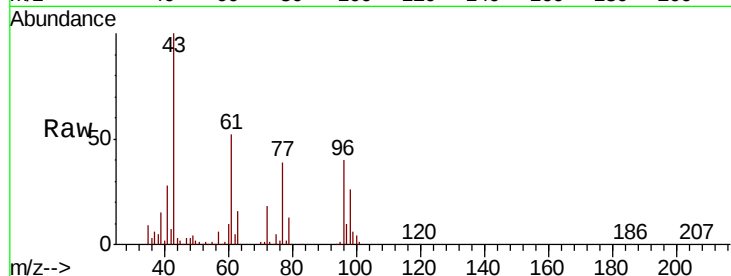
72 17.5 13.7 20.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

300000

200000

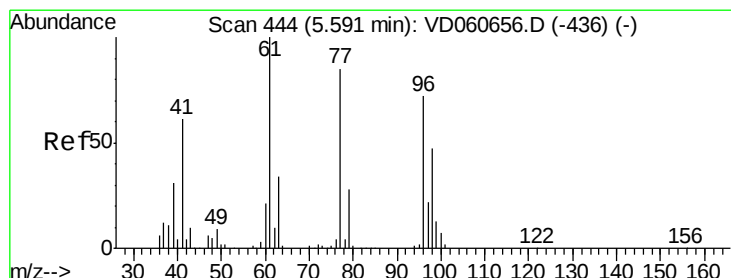
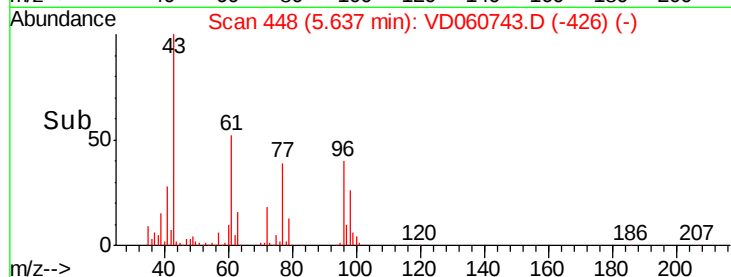
100000

0

5.50 5.60 5.70

5.64

Time-->



#26

2,2-Dichloropropane

Concen: 48.456 ug/l

RT: 5.61 min Scan# 445

Delta R.T. 0.02 min

Lab File: VD060743.D

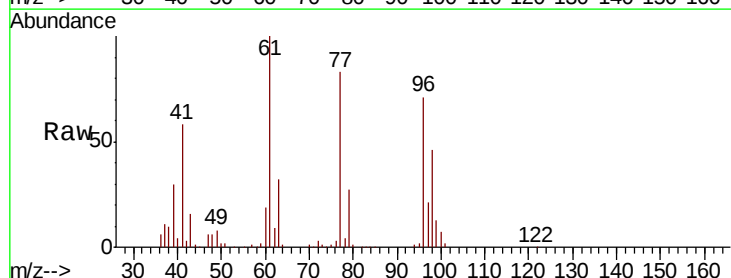
Acq: 28 Dec 2018 12:20

Tgt Ion: 77 Resp: 1047843

Ion Ratio Lower Upper

77 100

97 25.0 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

200000

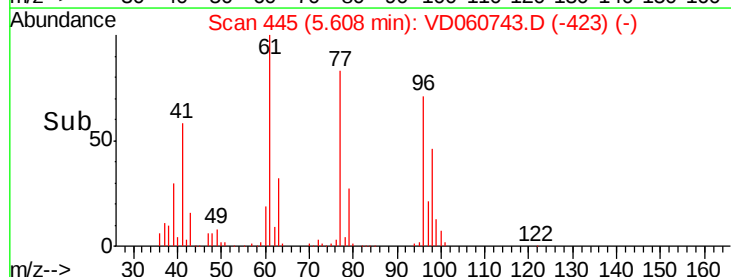
100000

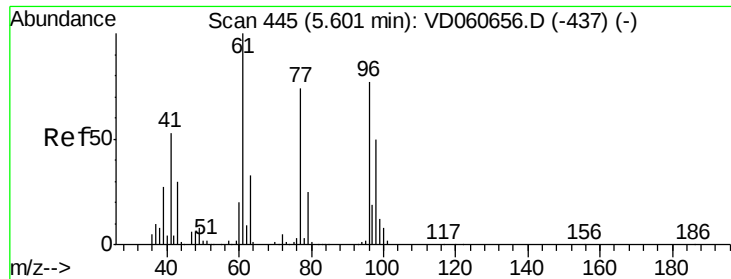
0

5.40 5.50 5.60 5.70 5.80

5.61

Time-->





#27

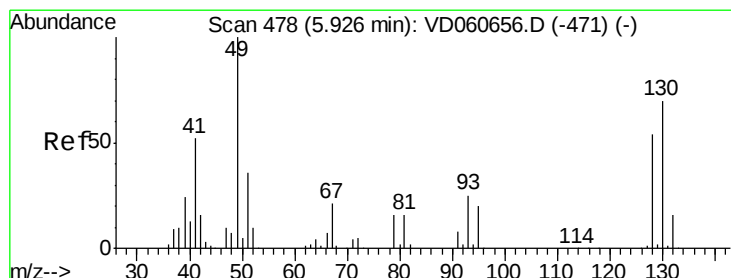
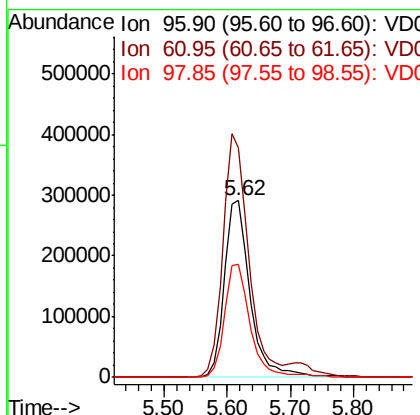
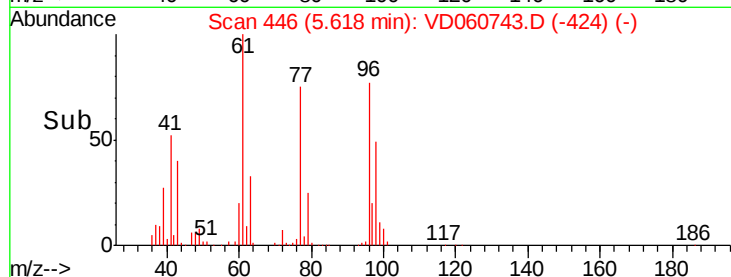
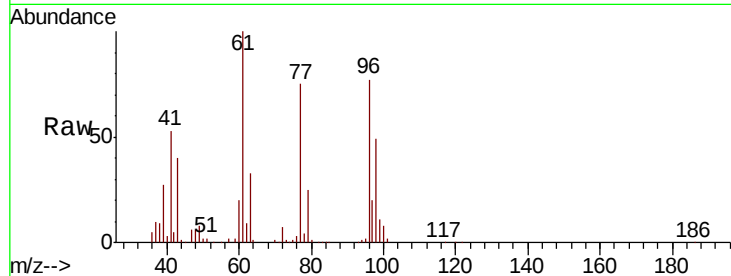
cis-1,2-Dichloroethene
Concen: 47.275 ug/l
RT: 5.62 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.5	0.0	259.4	
98	64.1	0.0	130.0	

Manual Integrations
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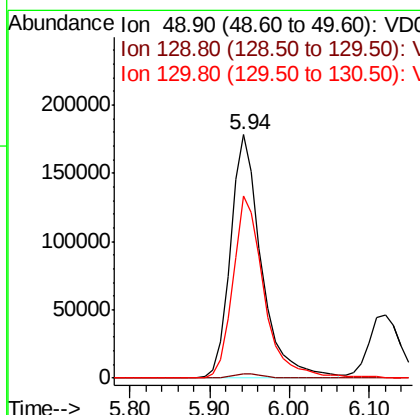
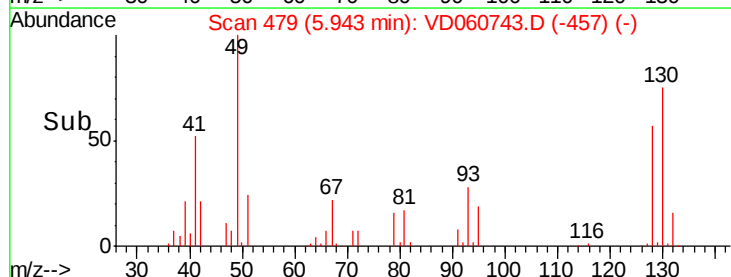
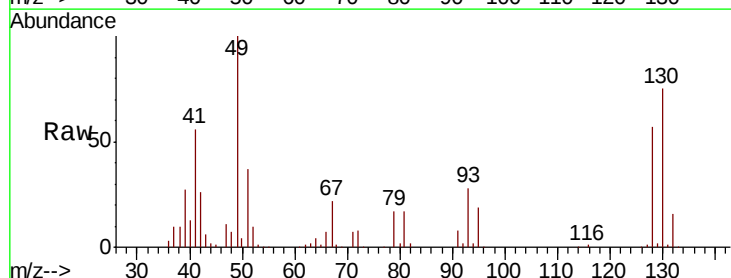
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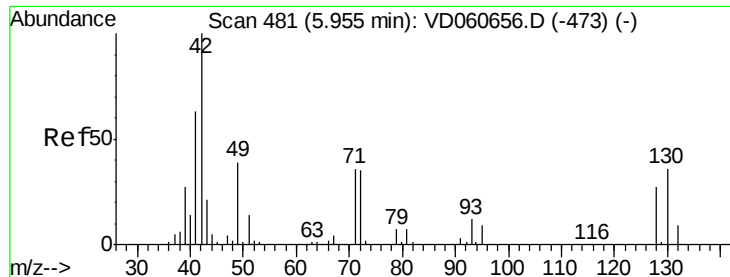


#28

Bromochloromethane
Concen: 41.560 ug/l
RT: 5.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.4	
130	74.7	56.2	84.2	





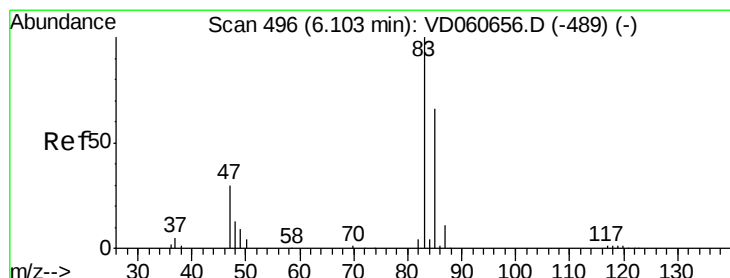
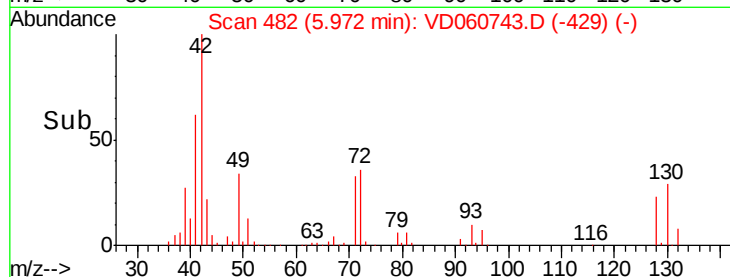
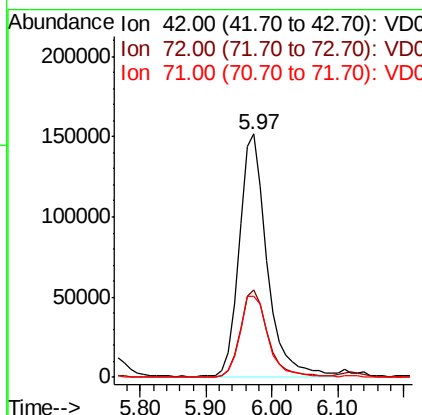
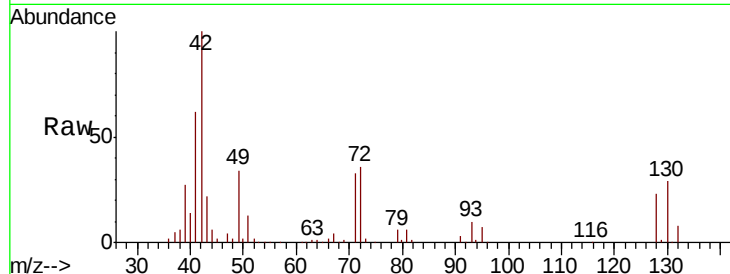
#29
Tetrahydrofuran
Concen: 226.808 ug/l
RT: 5.97 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.0	42.0
71	34.5	27.0	40.6

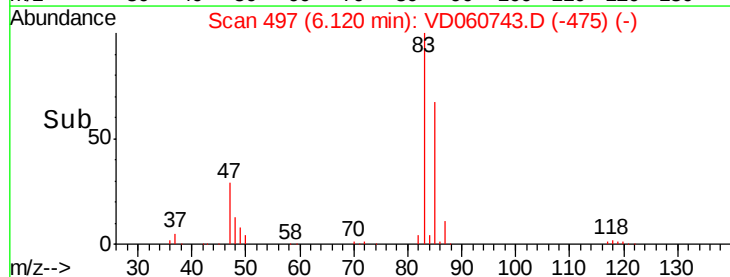
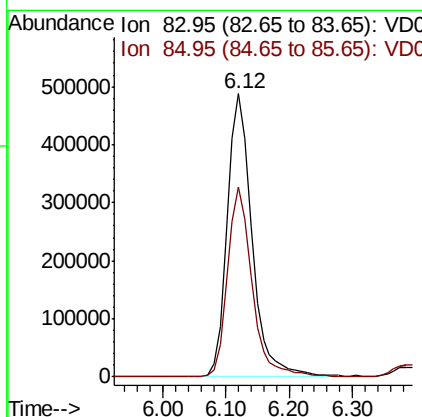
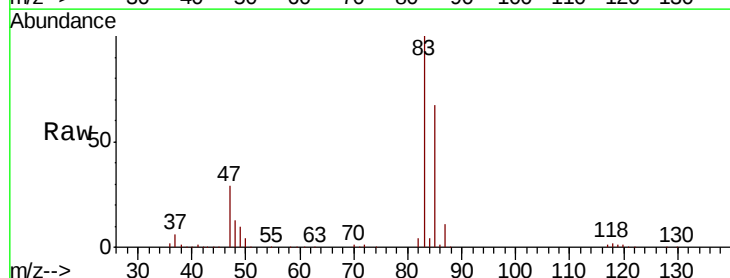
Manual Integrations
APPROVED

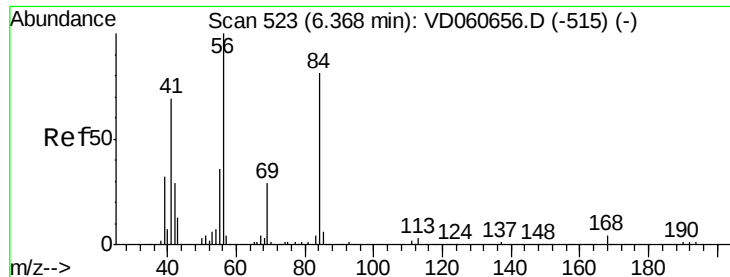
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#30
Chloroform
Concen: 48.040 ug/l
RT: 6.12 min Scan# 497
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.0	79.6





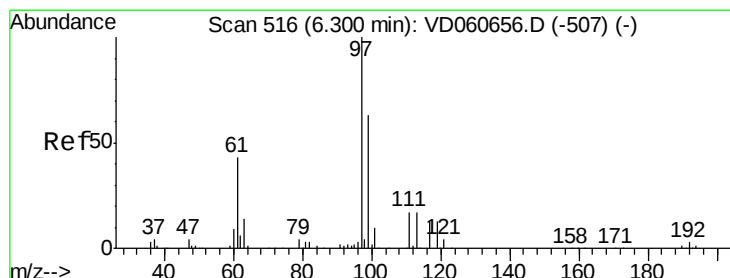
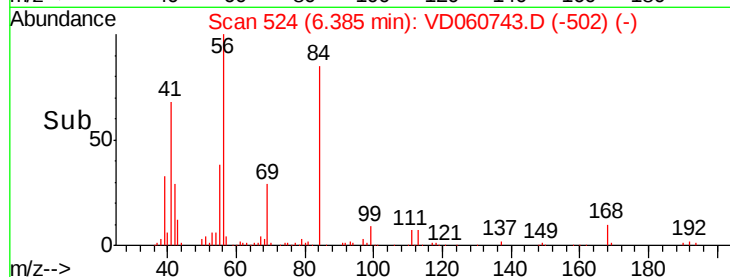
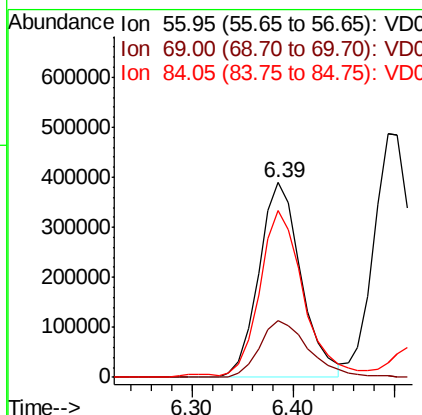
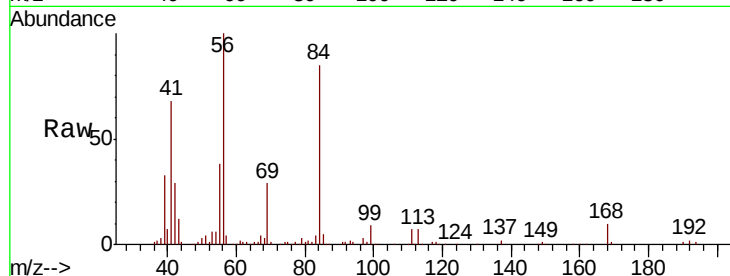
#31
Cyclohexane
Concen: 42.889 ug/l
RT: 6.39 min Scan# 524
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1130722
Ion Ratio Lower Upper
56 100
69 29.1 23.6 35.4
84 85.5 65.8 98.6

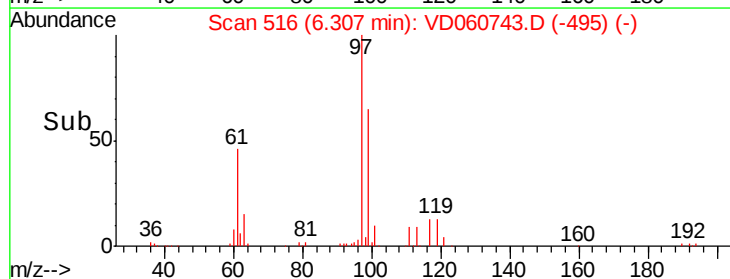
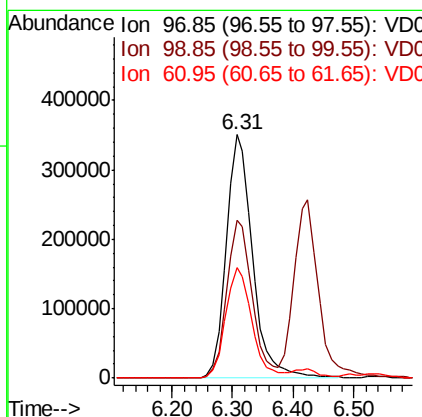
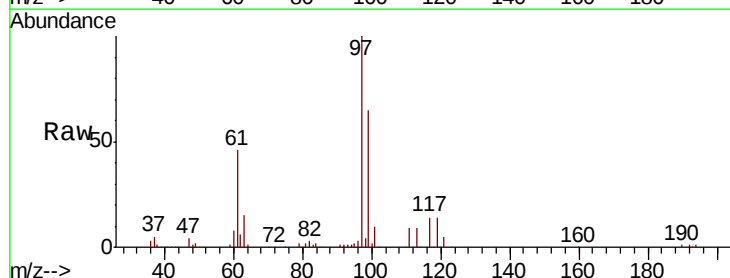
Manual Integrations
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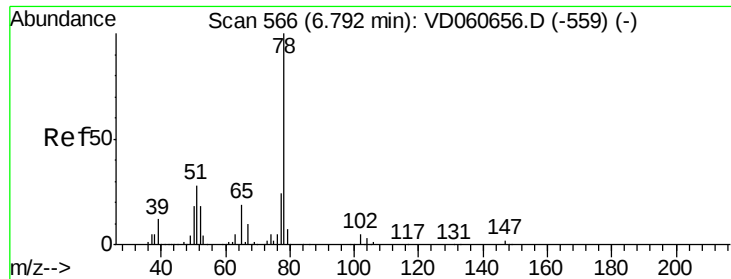
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#32
1,1,1-Trichloroethane
Concen: 46.394 ug/l
RT: 6.31 min Scan# 516
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 97 Resp: 1058073
Ion Ratio Lower Upper
97 100
99 64.7 50.5 75.7
61 45.6 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 46.394 ug/l

RT: 6.80 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 545856

Ion Ratio Lower Upper

65 100

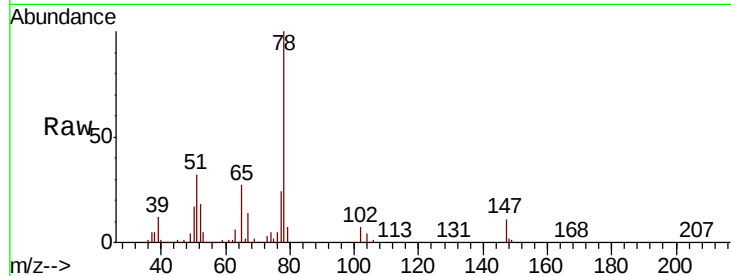
67 52.2 0.0 105.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

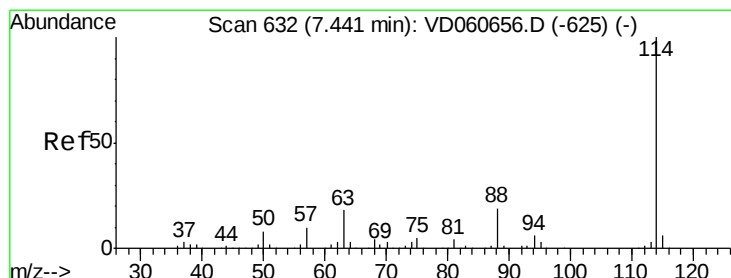
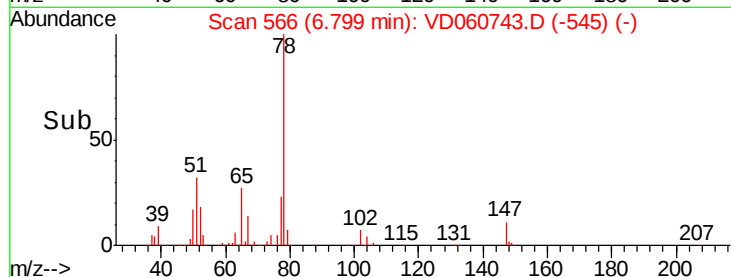
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 633

Delta R.T. 0.02 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

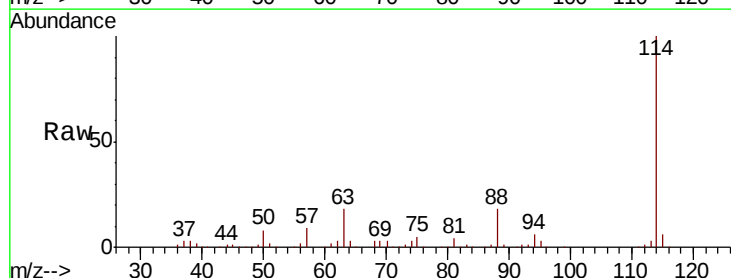
Tgt Ion: 114 Resp: 2111264

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

88 18.2 0.0 37.0



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

1200000

1000000

800000

600000

400000

200000

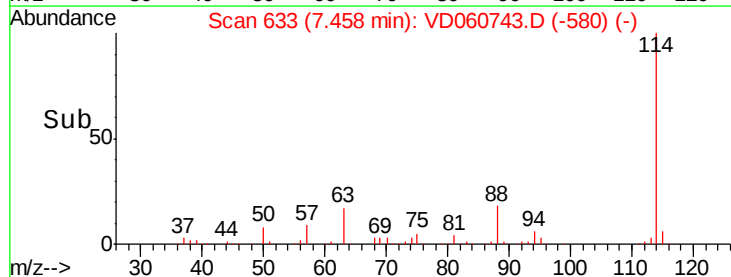
0

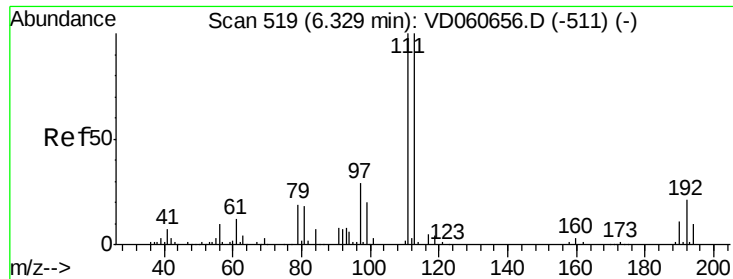
7.40

7.46

7.50

Time-->





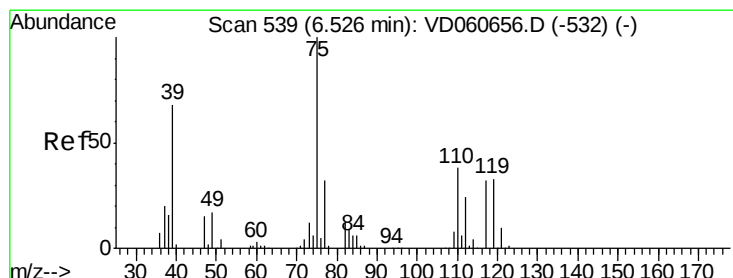
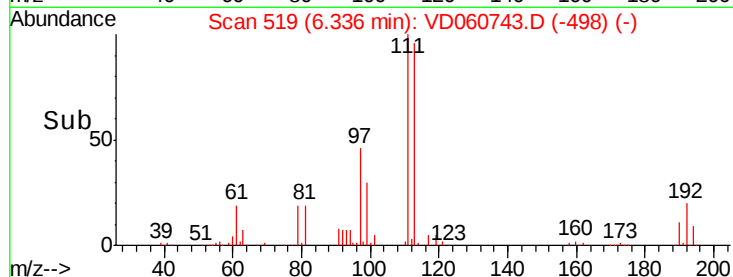
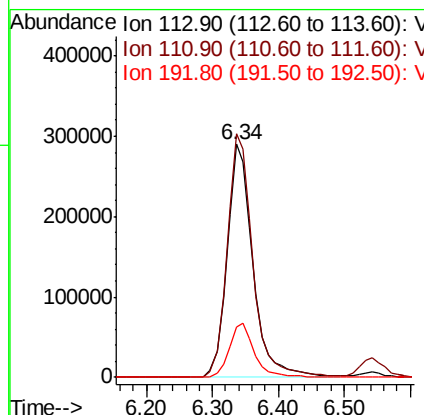
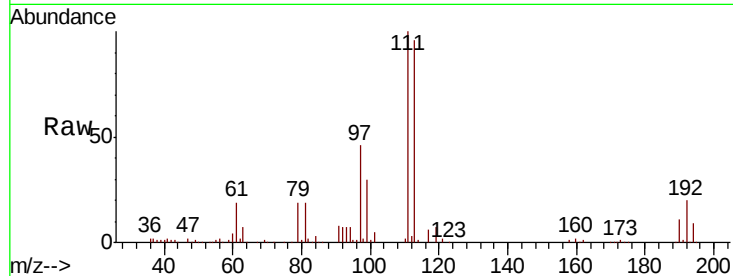
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	794550		
111	104.6	80.0	120.0	
192	21.4	16.6	25.0	

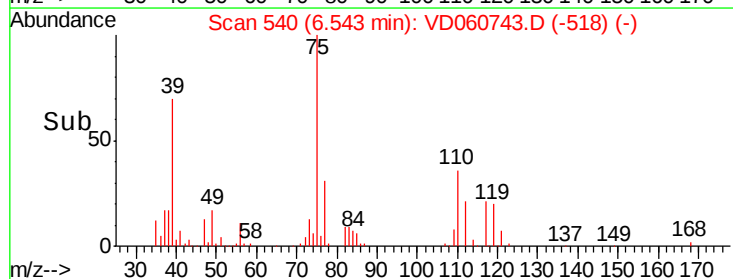
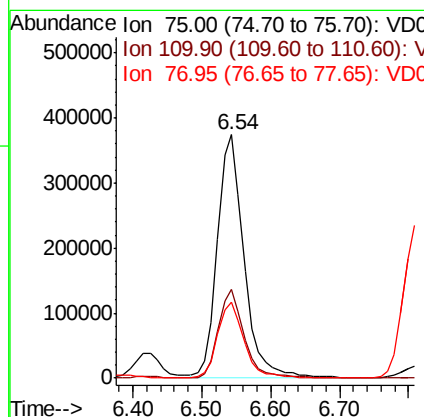
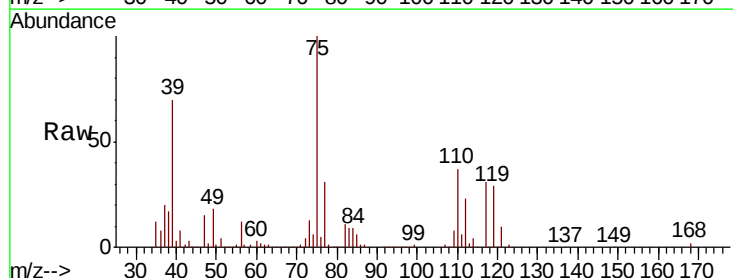
Manual Integrations
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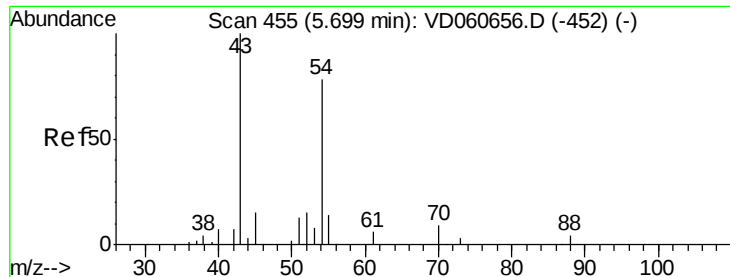
apatel
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#36
1,1-Dichloropropene
Concen: 45.656 ug/l
RT: 6.54 min Scan# 540
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	992570		
110	36.6	18.9	56.7	
77	31.3	25.4	38.0	





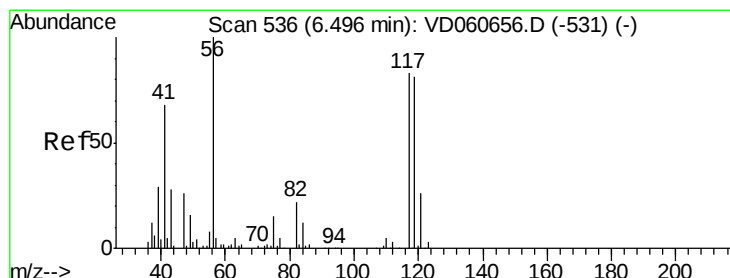
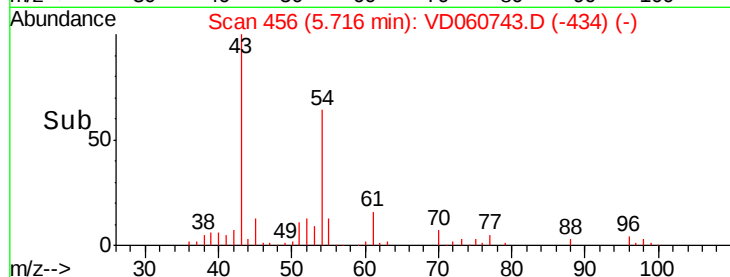
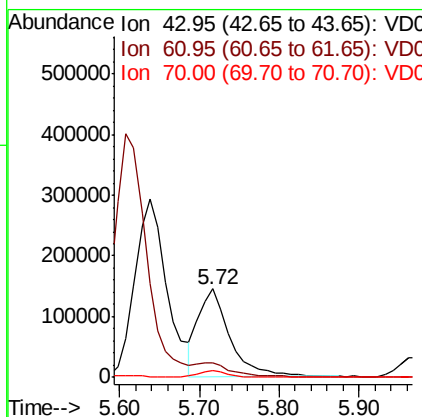
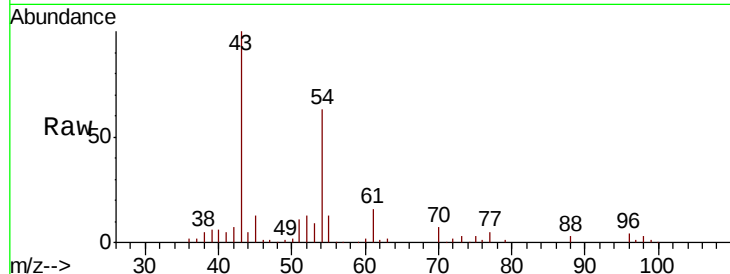
#37
Ethyl Acetate
Concen: 43.178 ug/l
RT: 5.72 min Scan# 456
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.8	17.6
70	7.2	5.8	8.6

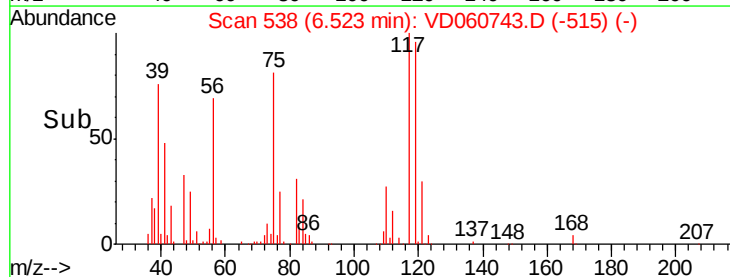
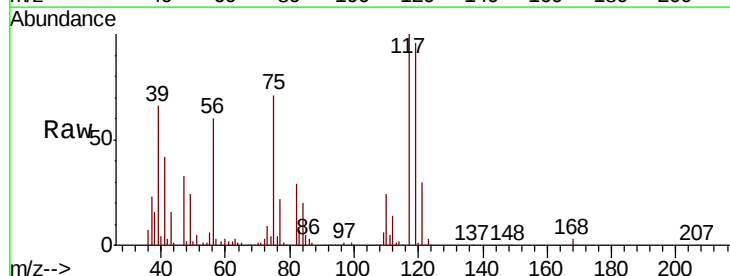
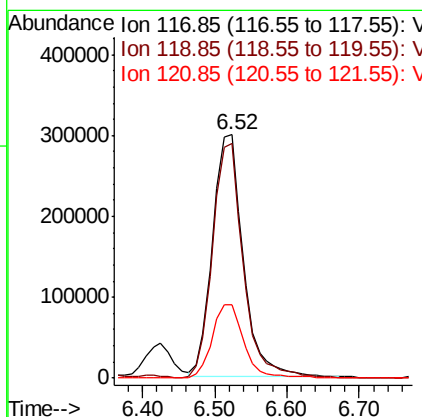
Manual Integrations
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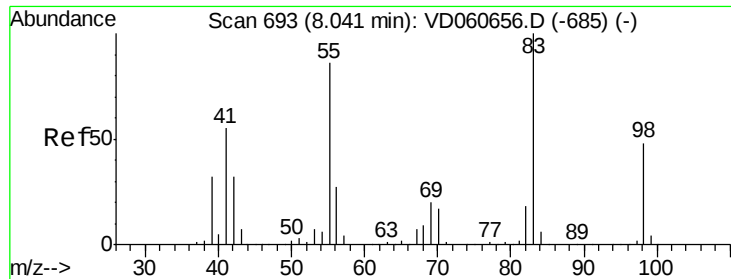
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#38
Carbon Tetrachloride
Concen: 46.023 ug/l
RT: 6.52 min Scan# 538
Delta R.T. 0.03 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.3	24.7	37.1





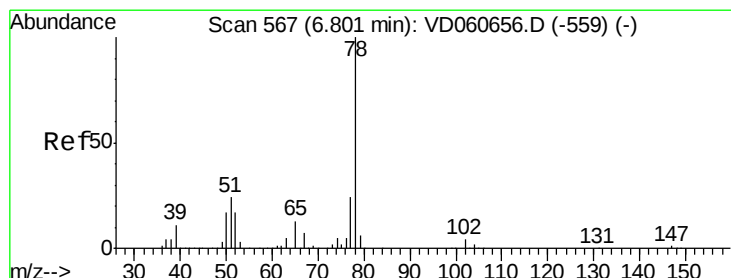
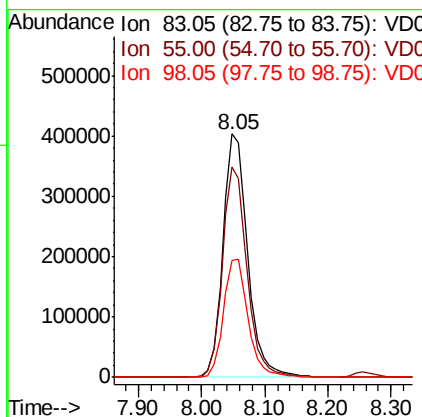
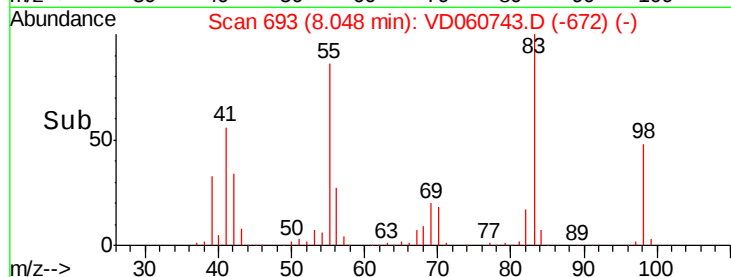
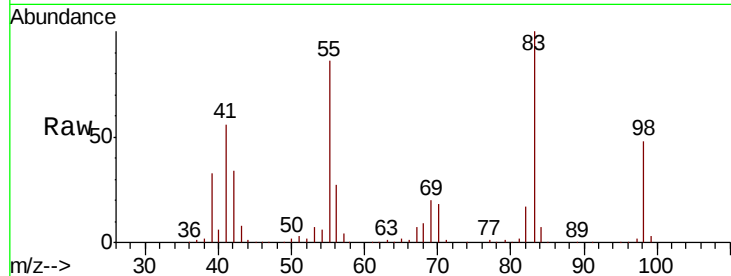
#39
Methvlcvclohexane
Concen: 44.217 ug/l
RT: 8.05 min Scan# 693
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1096361
Ion Ratio Lower Upper
83 100
55 86.2 68.6 102.8
98 47.8 38.1 57.1

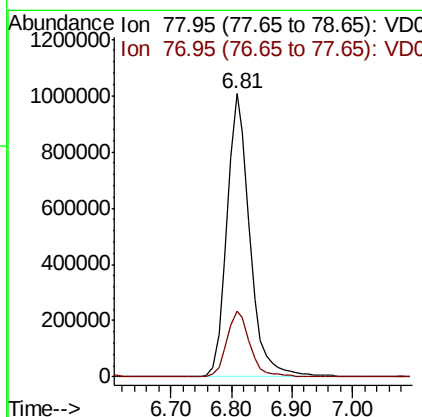
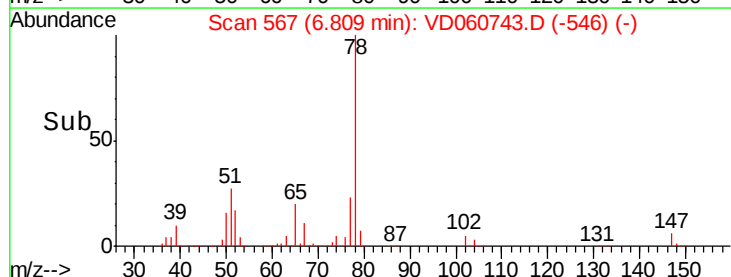
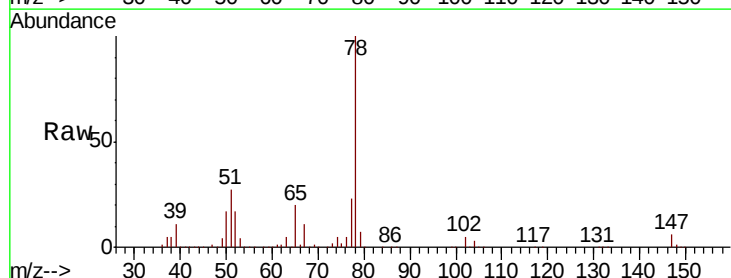
Manual Integrations
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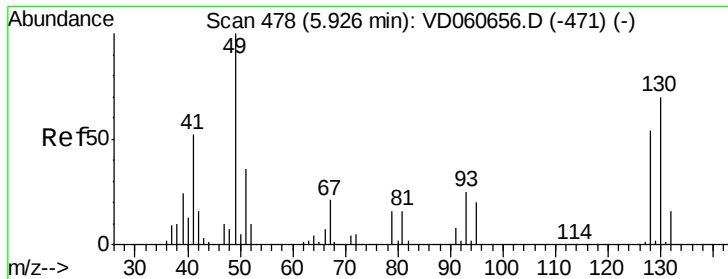
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#40
Benzene
Concen: 47.104 ug/l
RT: 6.81 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 78 Resp: 2645190
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





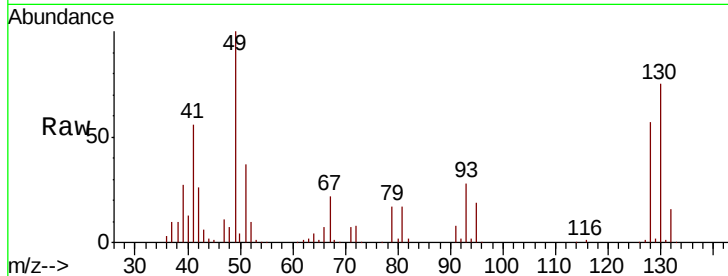
#41
Methacrylonitrile
Concen: 38.773 ug/l m
RT: 5.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

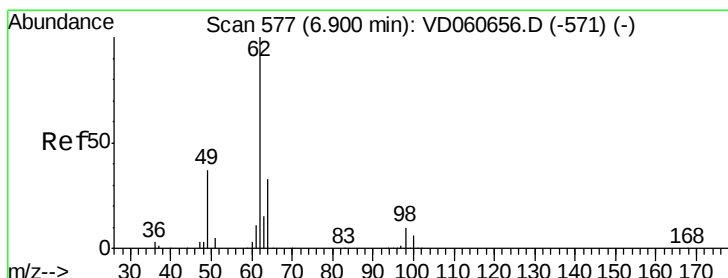
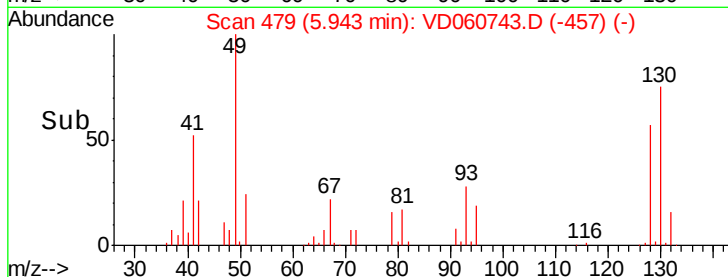
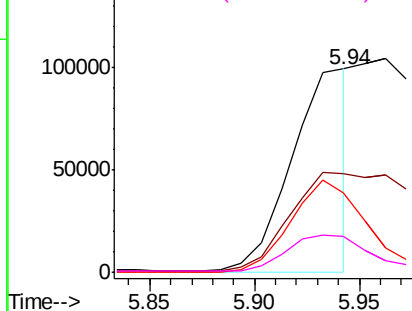
Tot Ion	Ratio	Lower	Upper
41	100		
39	48.6	37.6	56.4
67	39.1	33.0	49.6
52	17.8	15.5	23.3

Manual Integrations
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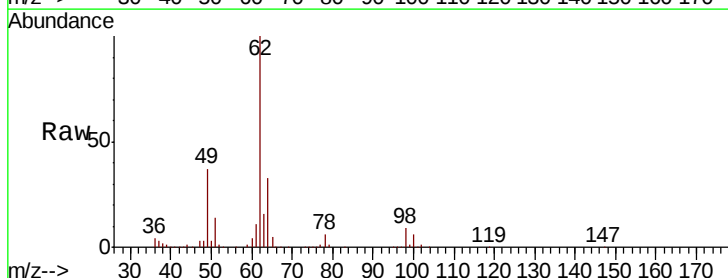


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

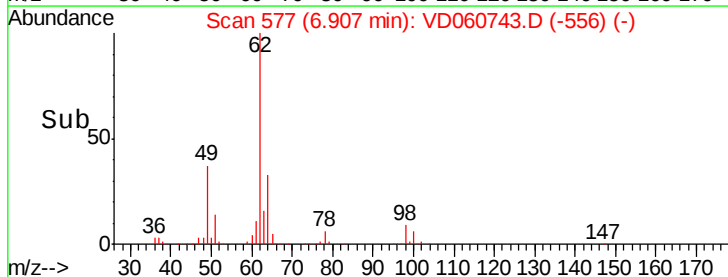
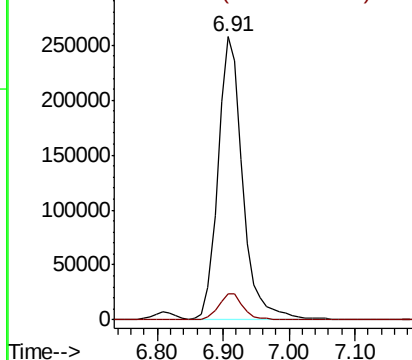


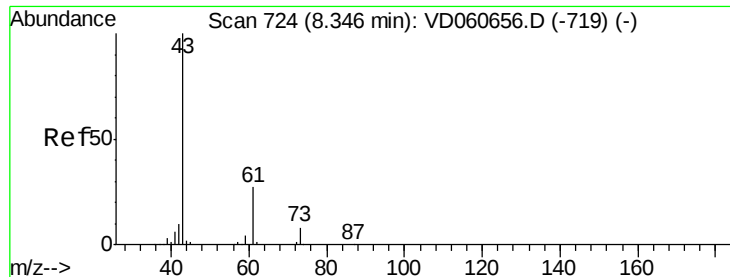
#42
1,2-Dichloroethane
Concen: 47.897 ug/l
RT: 6.91 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 45.143 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

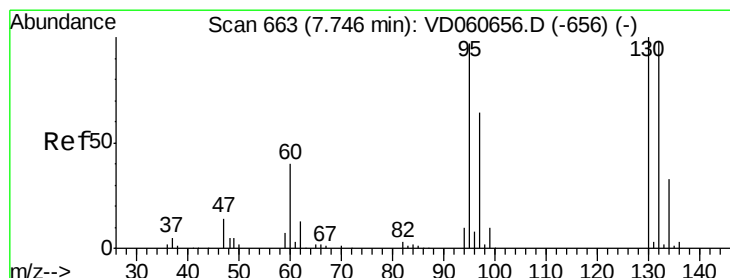
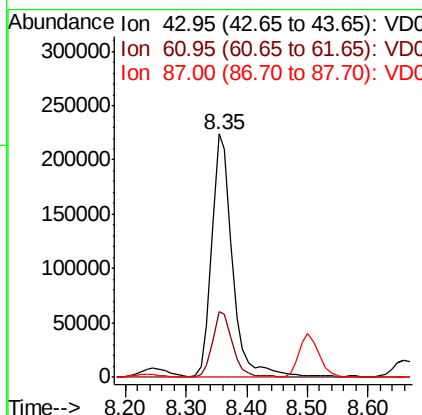
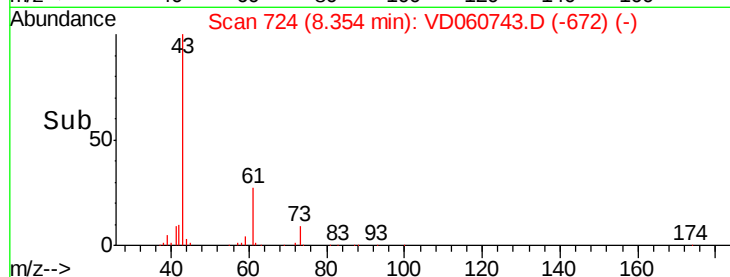
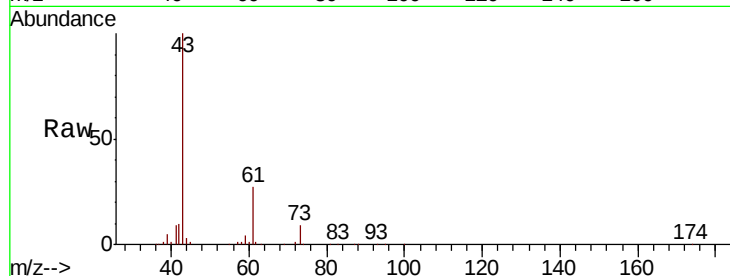
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	526732
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.8	32.8
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 48.301 ug/l

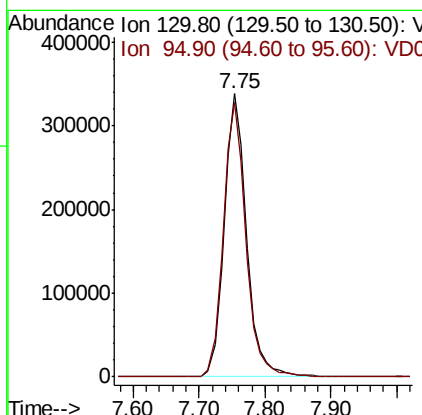
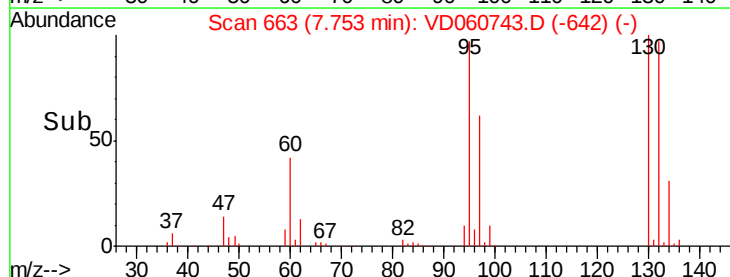
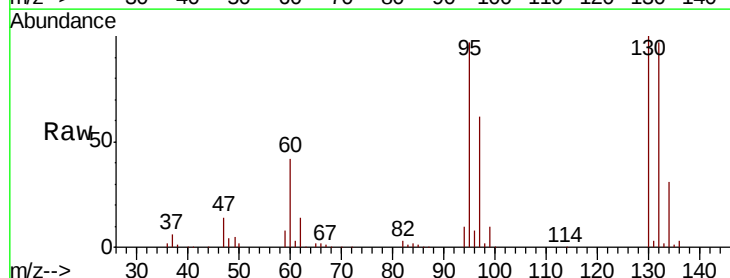
RT: 7.75 min Scan# 663

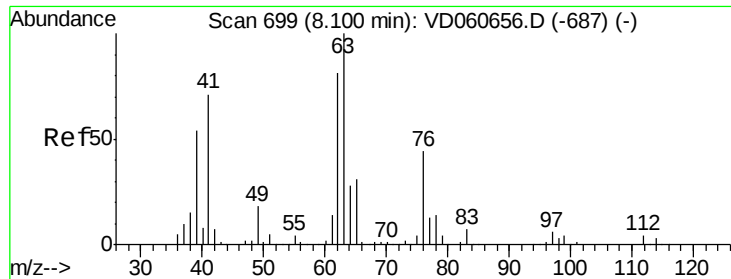
Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Tgt Ion:	130	Resp:	802815
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	193.6





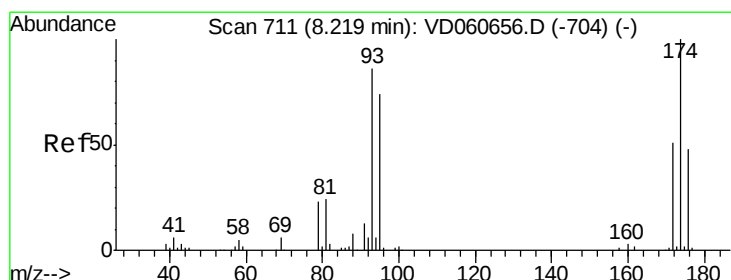
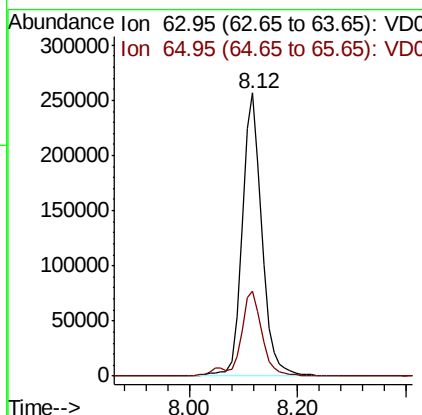
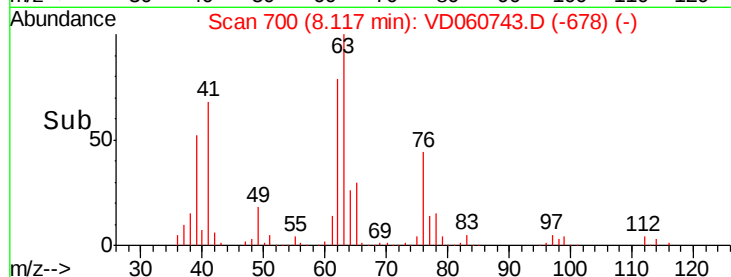
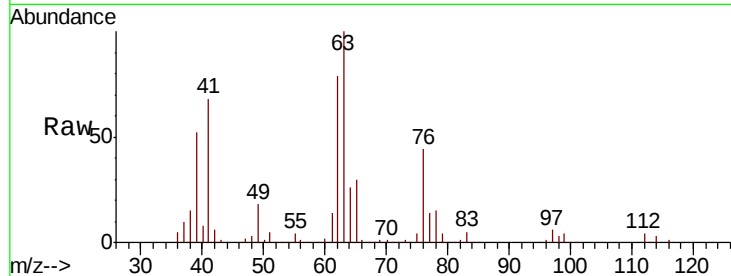
#45
 1,2-Dichloropropane
 Concen: 46.984 ug/l
 RT: 8.12 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 647057
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

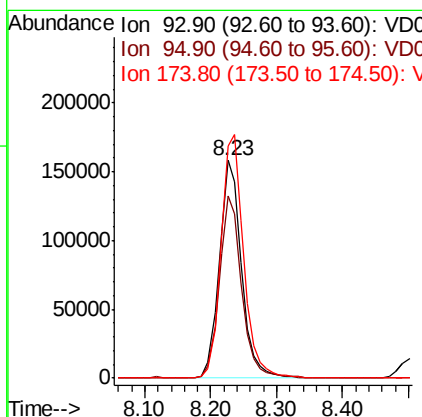
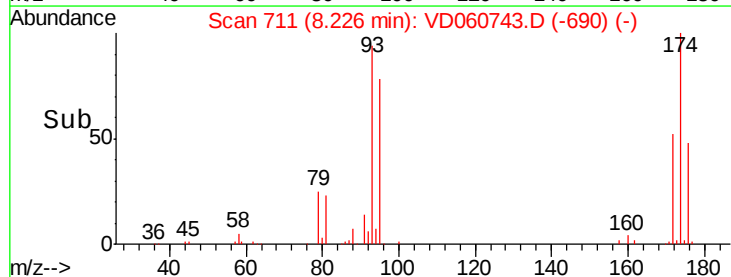
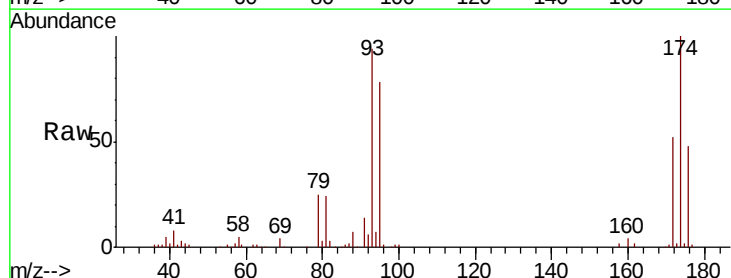
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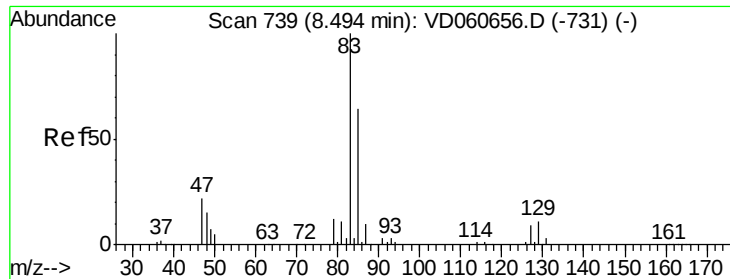
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#46
 Dibromomethane
 Concen: 47.244 ug/l
 RT: 8.23 min Scan# 711
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion: 93 Resp: 371339
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.8 103.2
 174 106.8 93.0 139.4





#47

Bromodichloromethane

Concen: 49.255 ug/l

RT: 8.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

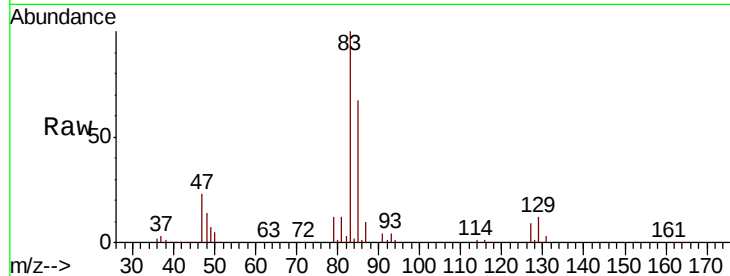
ClientSampleId :

VSTDCCC050

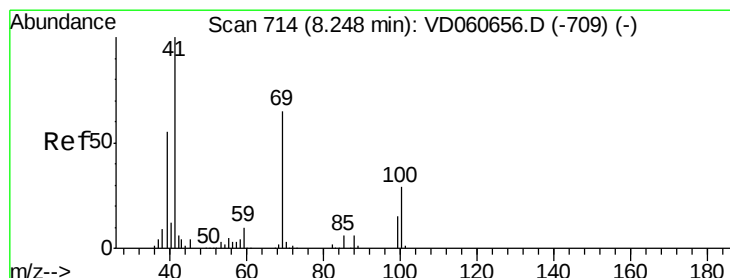
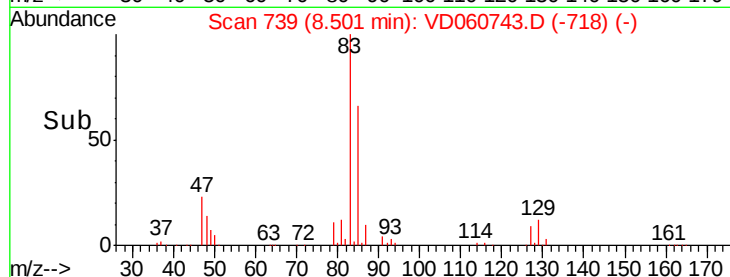
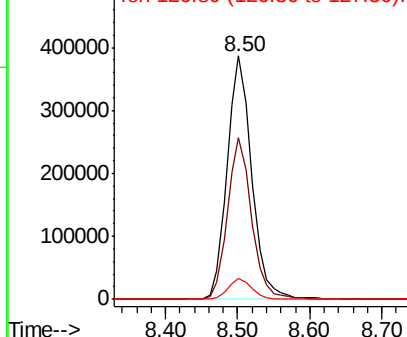
Tot Ion:	83	Resp:	916955
Ion Ratio	Lower	Upper	
83	100		
85	66.6	51.1	76.7
127	8.7	7.0	10.6

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 46.206 ug/l

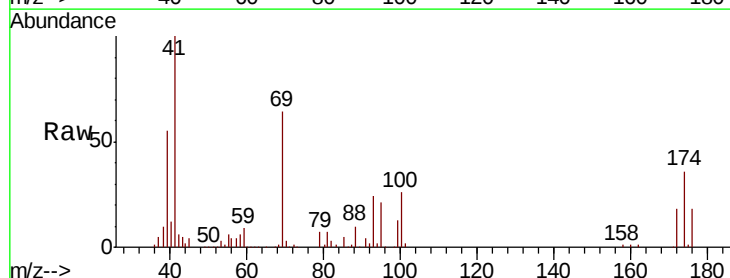
RT: 8.26 min Scan# 714

Delta R.T. 0.01 min

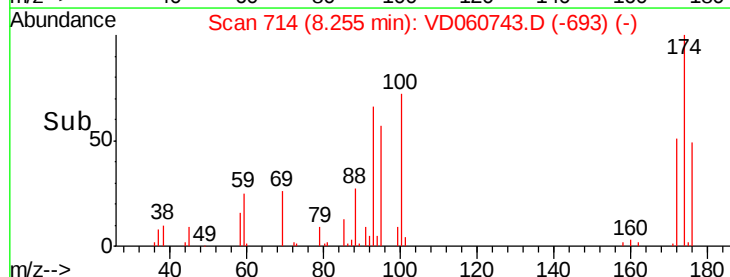
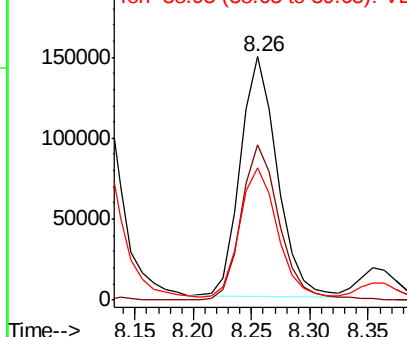
Lab File: VD060743.D

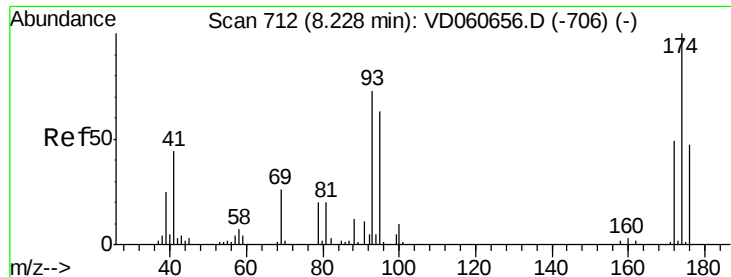
Acq: 28 Dec 2018 12:20

Tgt Ion:	41	Resp:	327450
Ion Ratio	Lower	Upper	
41	100		
69	63.9	51.2	76.8
39	54.5	44.6	67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





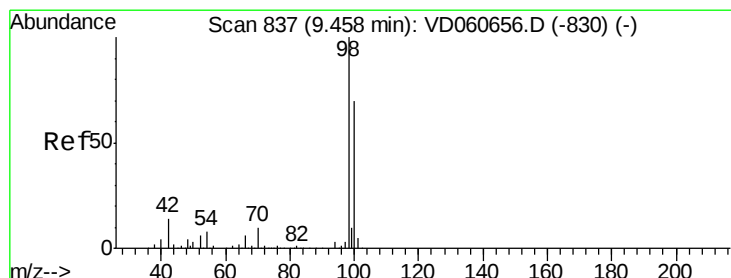
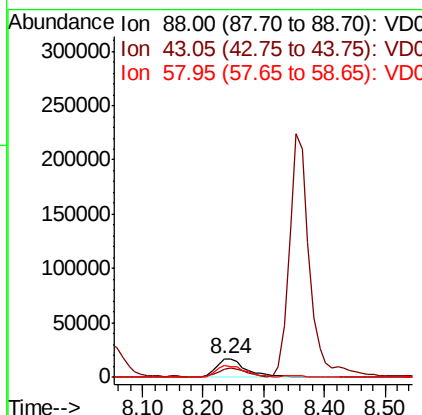
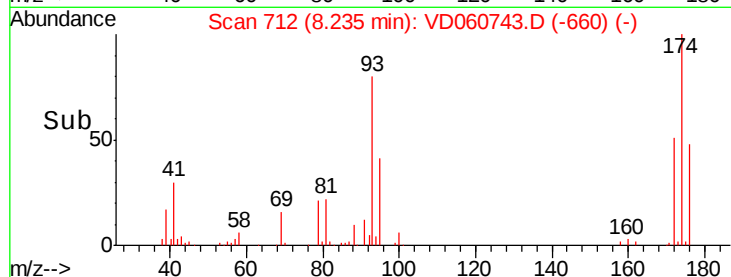
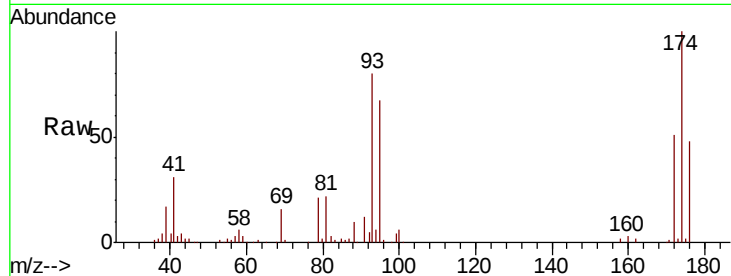
#49
1,4-Dioxane
Concen: 916.472 ug/l
RT: 8.24 min Scan# 712
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	60388
Ion Ratio	100	Lower	Upper
88	100		
43	45.4	31.5	47.3
58	64.0	50.6	76.0

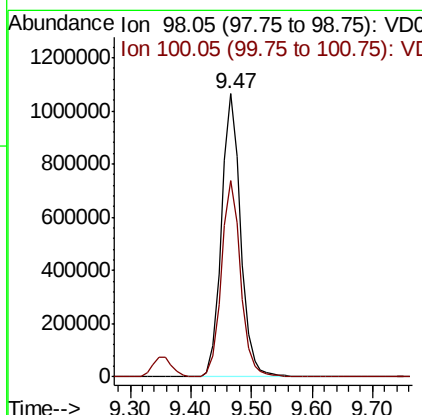
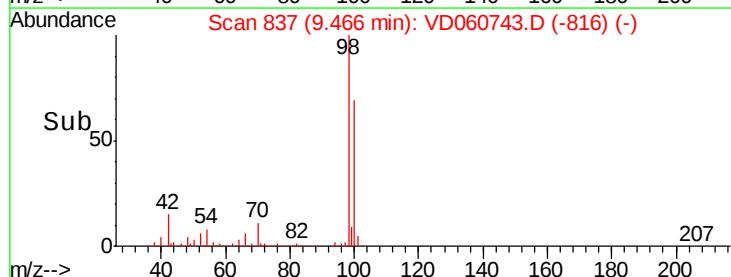
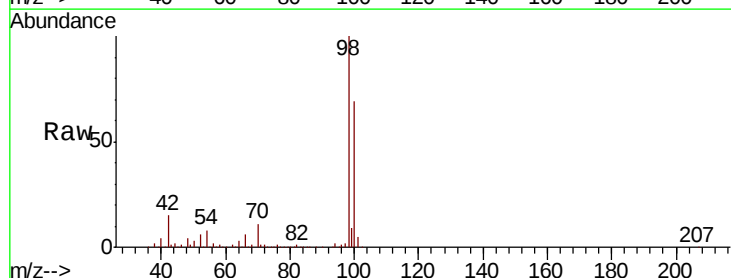
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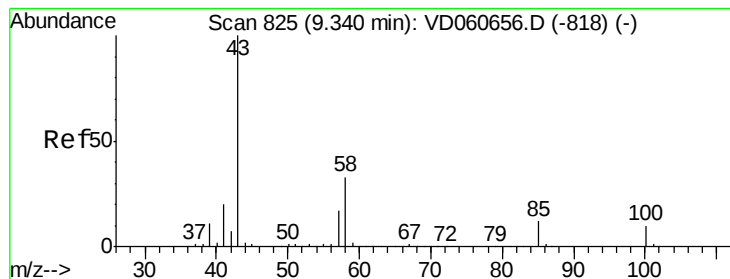
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#50
Toluene-d8
Concen: 916.472 ug/l
RT: 9.47 min Scan# 837
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	98	Resp	2338491
Ion Ratio	100	Lower	Upper
98	100		
100	69.4	55.8	83.8





#51

4-Methyl-2-Pentanone

Concen: 230.700 ug/l

RT: 9.35 min Scan# 825

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1649194

Ion Ratio Lower Upper

43 100

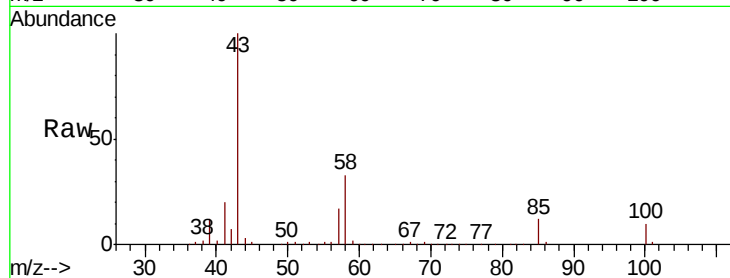
58 33.2 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

800000

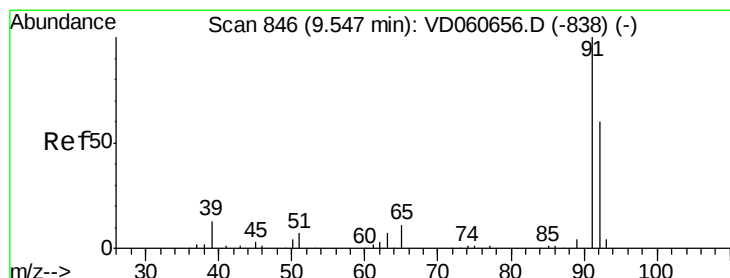
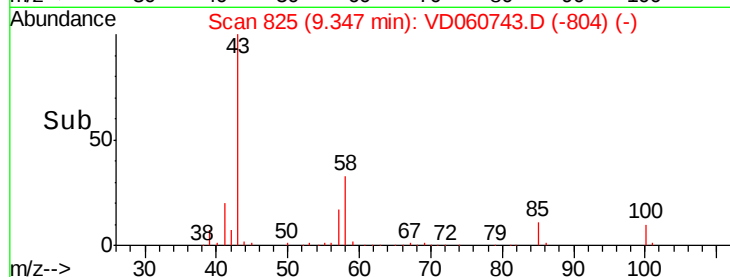
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.046 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.01 min

Lab File: VD060743.D

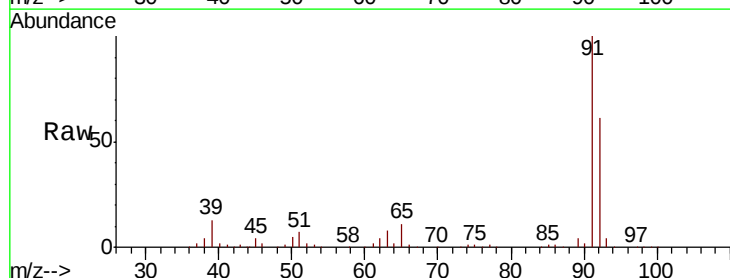
Acq: 28 Dec 2018 12:20

Tgt Ion: 92 Resp: 1656226

Ion Ratio Lower Upper

92 100

91 163.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

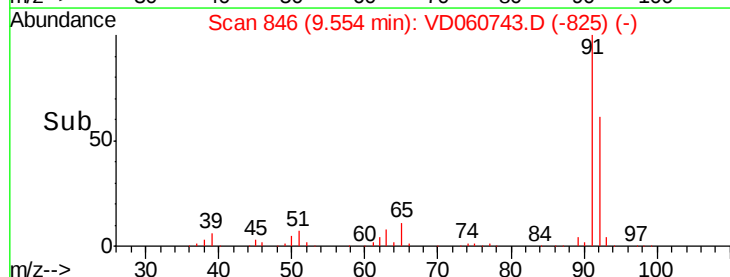
9.55

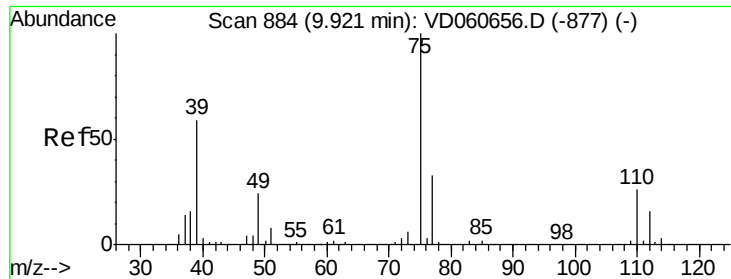
1000000

500000

0

Time-->





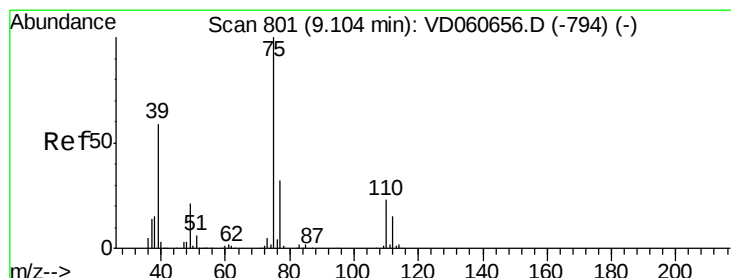
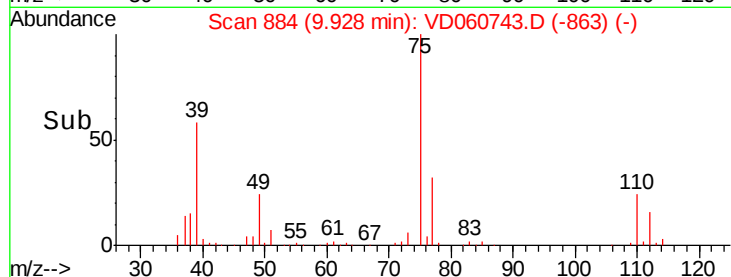
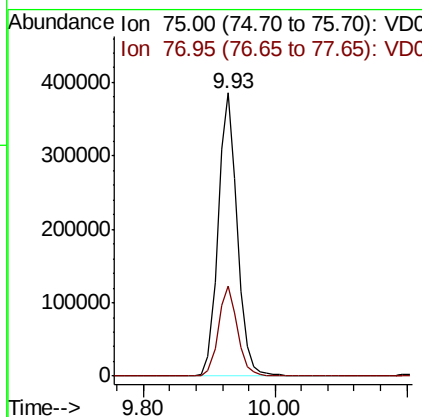
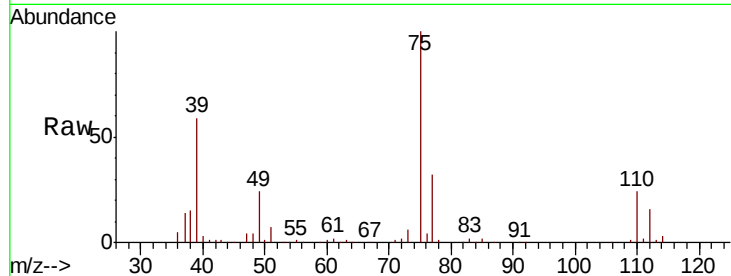
#53
t-1,3-Dichloropropene
Concen: 49.852 ug/l
RT: 9.93 min Scan# 884
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 774276
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0

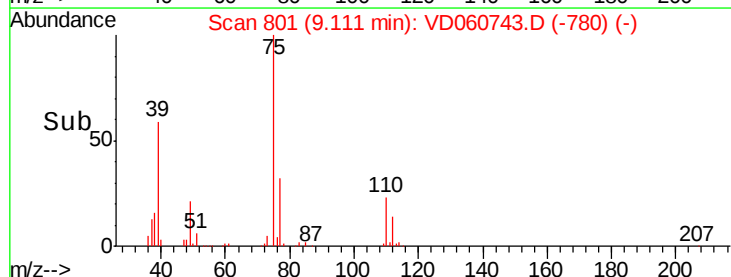
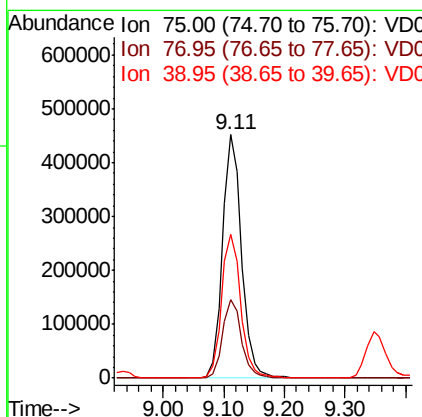
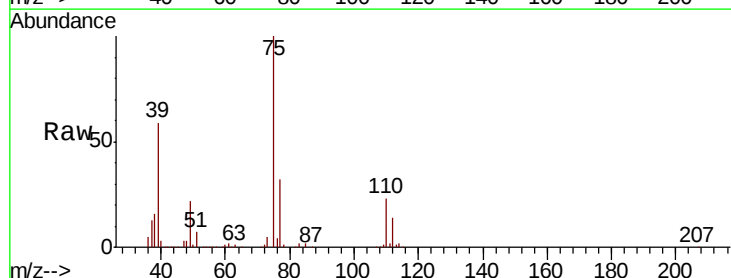
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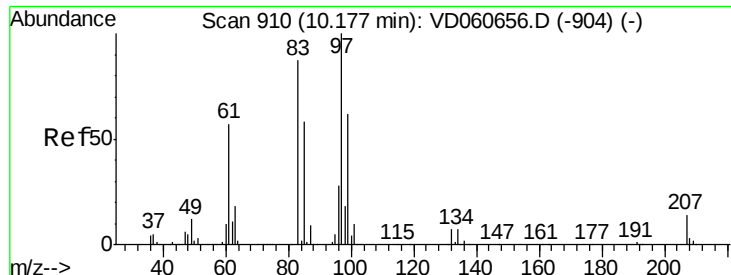
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#54
cis-1,3-Dichloropropene
Concen: 48.573 ug/l
RT: 9.11 min Scan# 801
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 75 Resp: 987425
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2
39 59.2 47.0 70.4





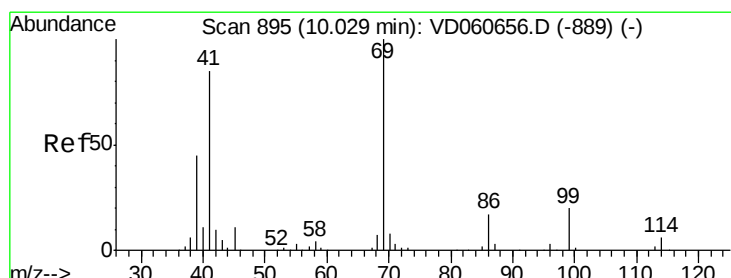
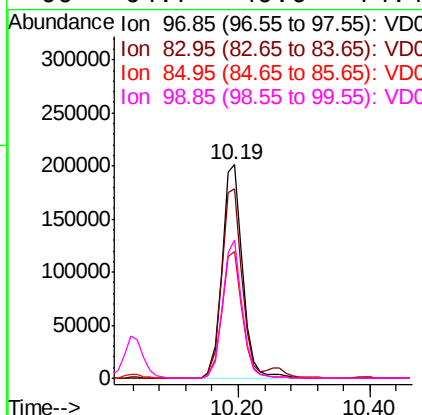
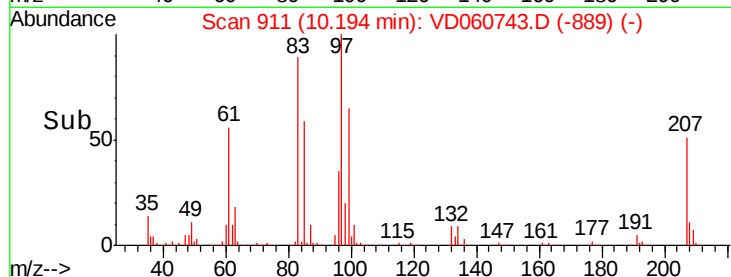
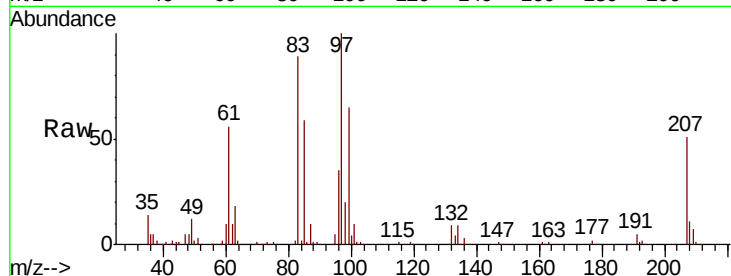
#55
 1,1,2-Trichloroethane
 Concen: 46.034 ug/l
 RT: 10.19 min Scan# 911
 Delta R.T. 0.02 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		436033		
83	88.9	70.0	105.0		
85	59.1	46.6	70.0		
99	64.7	49.6	74.4		

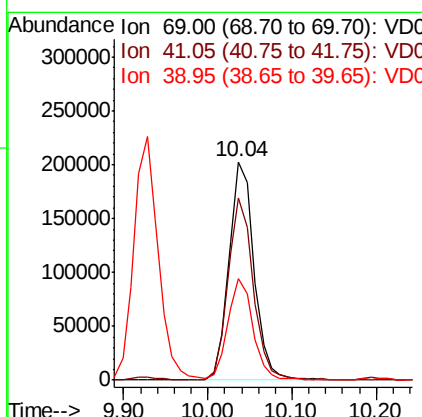
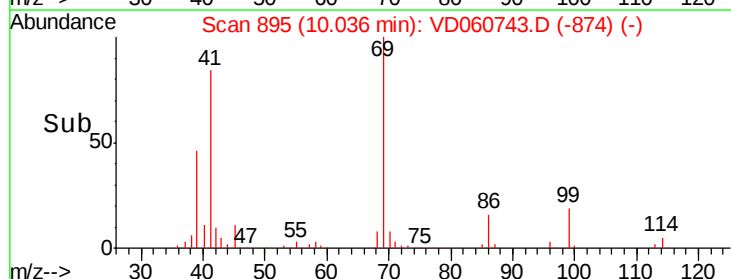
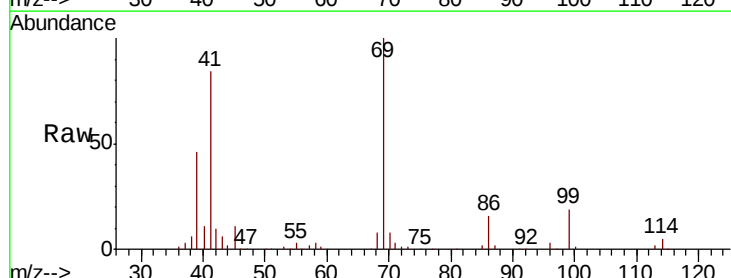
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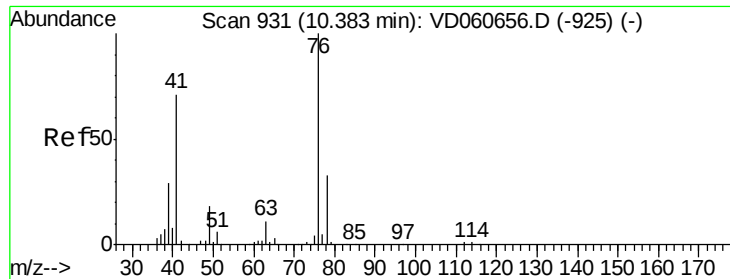
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#56
 Ethyl methacrylate
 Concen: 47.646 ug/l
 RT: 10.04 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		419184		
41	83.6	68.3	102.5		
39	46.4	37.2	55.8		





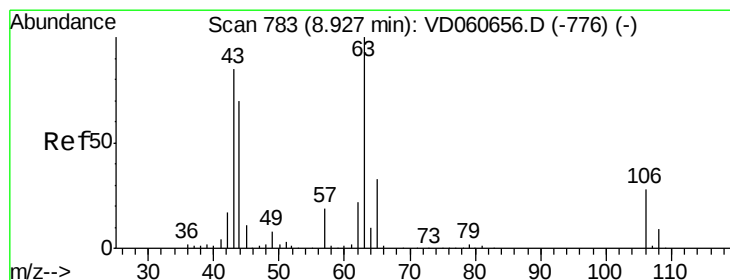
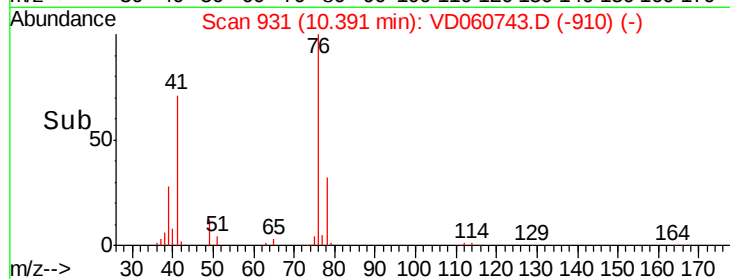
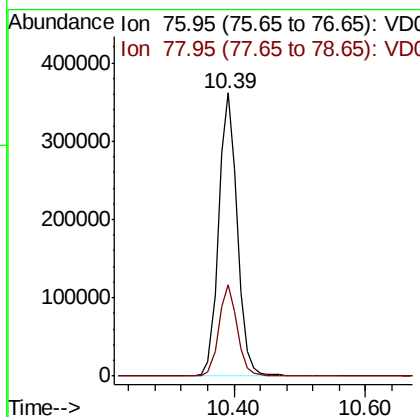
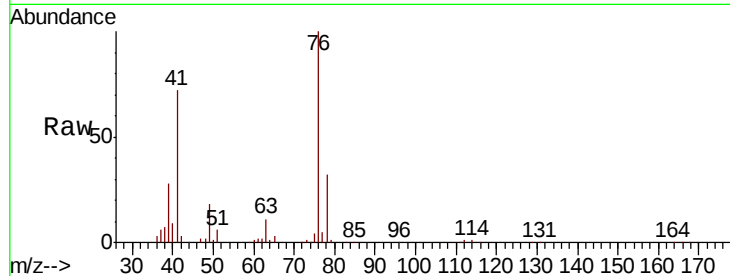
#57
 1,3-Dichloropropane
 Concen: 47.213 ug/l
 RT: 10.39 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 708839
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

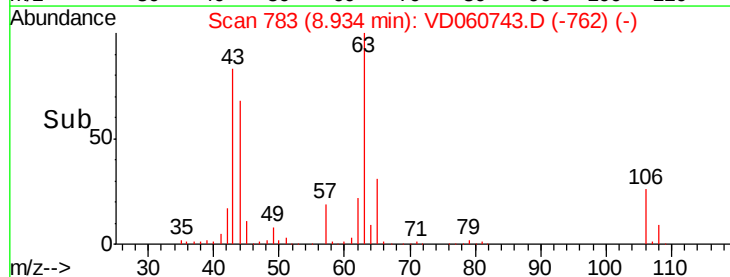
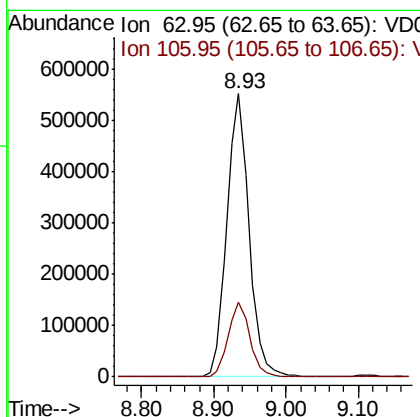
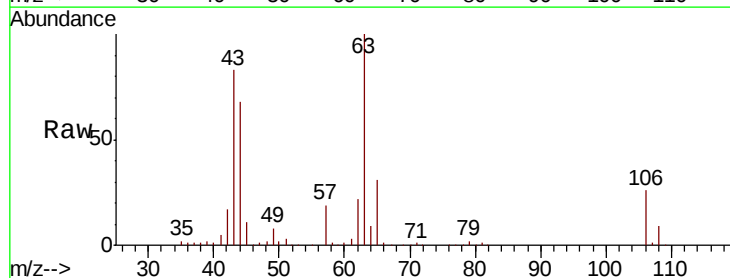
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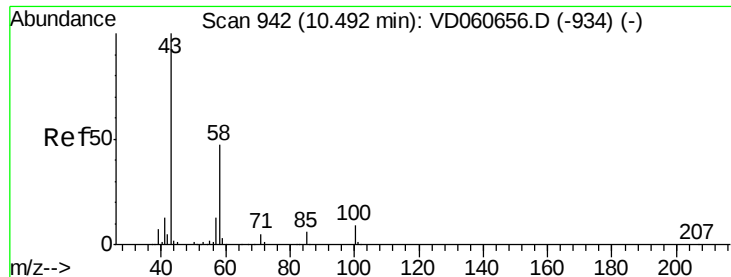
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.245 ug/l
 RT: 8.93 min Scan# 783
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion: 63 Resp: 1183201
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.4 33.6





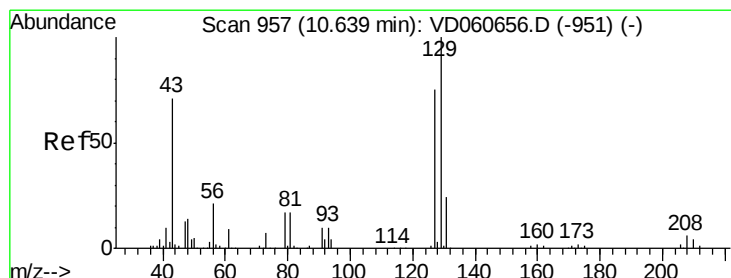
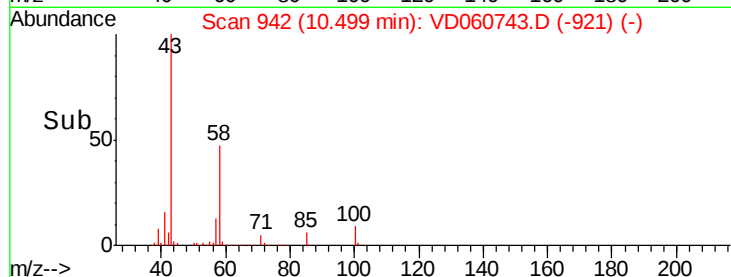
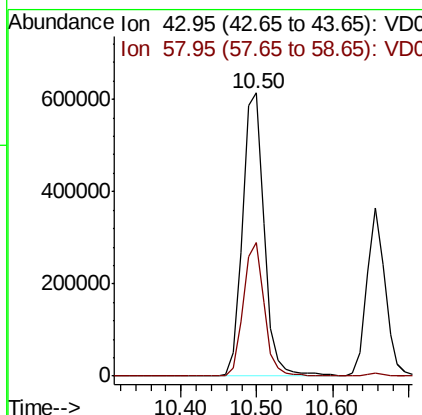
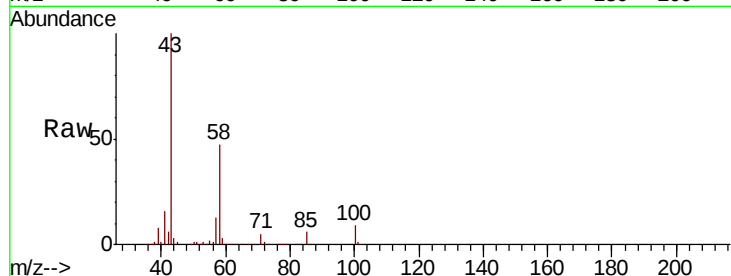
#59
2-Hexanone
Concen: 241.947 ug/l
RT: 10.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1210653
Ion Ratio Lower Upper
43 100
58 47.0 23.5 70.5

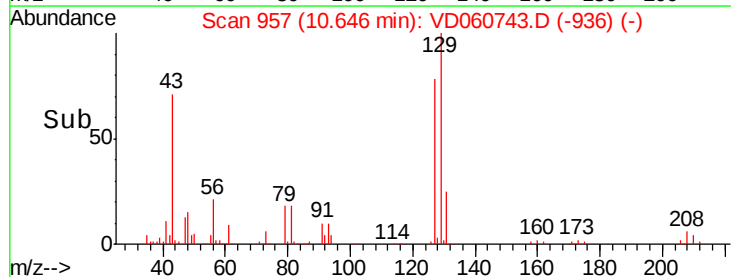
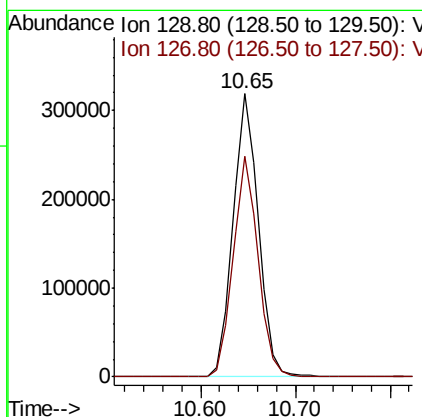
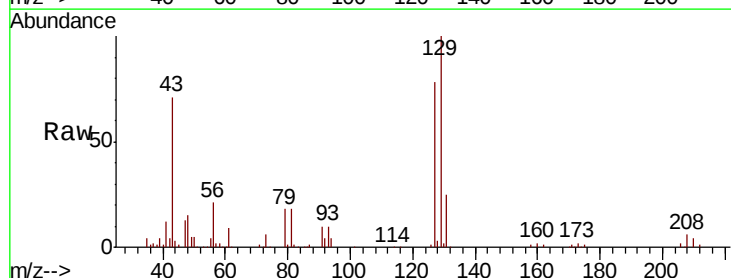
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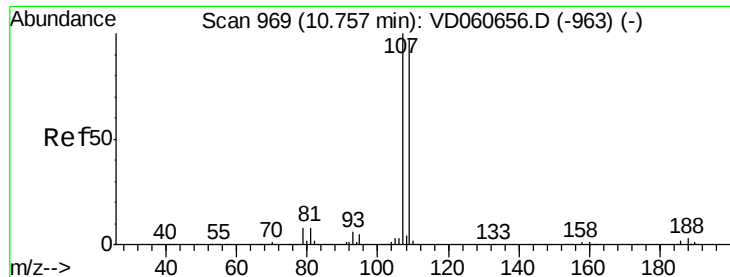
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#60
Dibromochloromethane
Concen: 49.016 ug/l
RT: 10.65 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 129 Resp: 591378
Ion Ratio Lower Upper
129 100
127 77.8 37.6 112.9





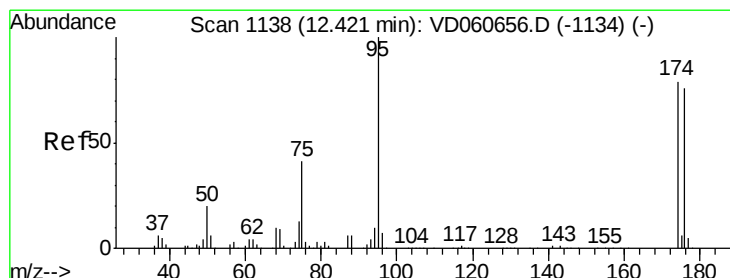
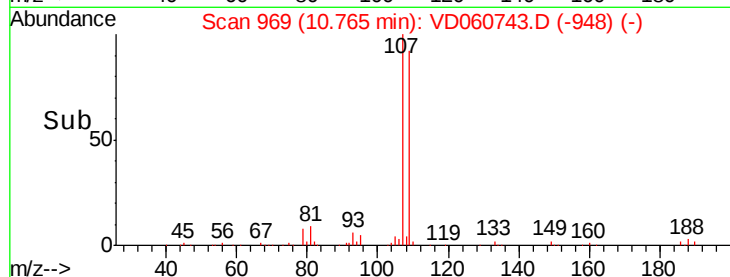
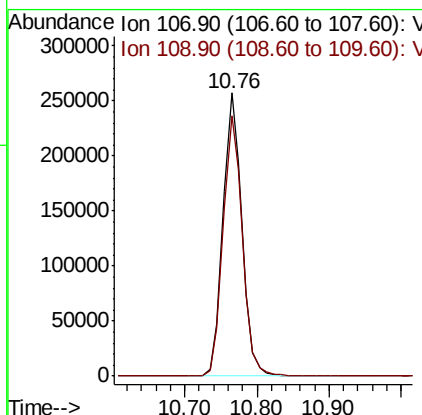
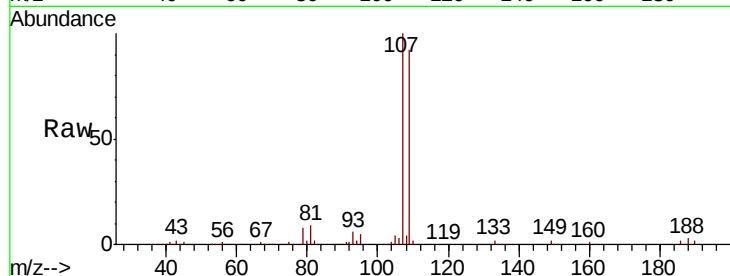
#61
 1,2-Dibromoethane
 Concen: 47.263 ug/l
 RT: 10.76 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 464345
 Ion Ratio Lower Upper
 107 100
 109 91.8 78.0 117.0

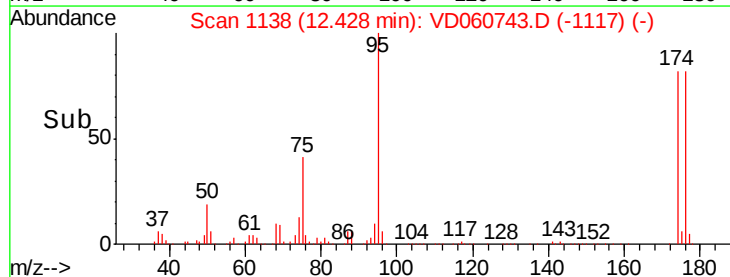
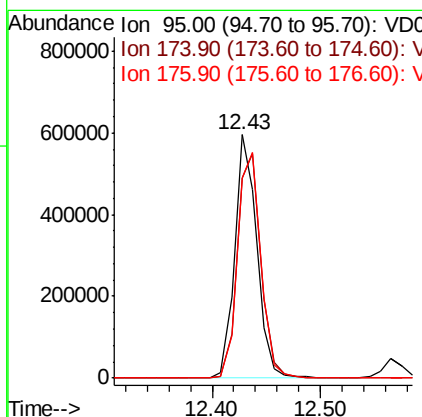
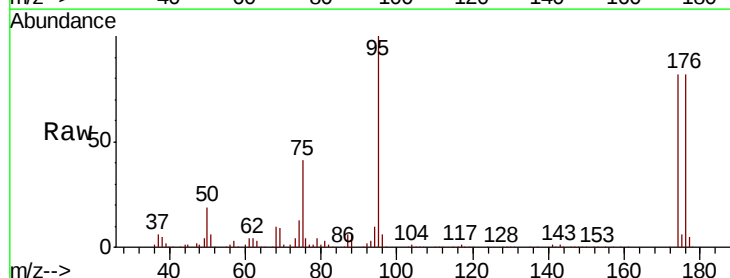
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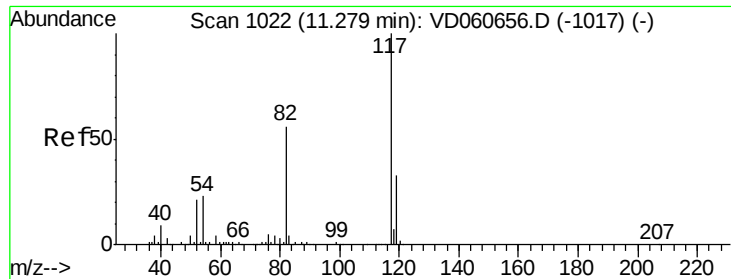
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#62
 4-Bromofluorobenzene
 Concen: 47.263 ug/l
 RT: 12.43 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion: 95 Resp: 848915
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 158.2
 176 82.3 0.0 152.4





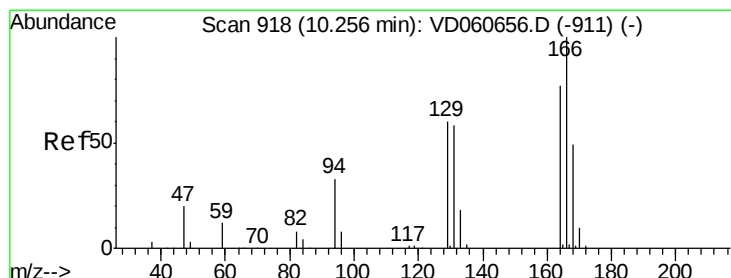
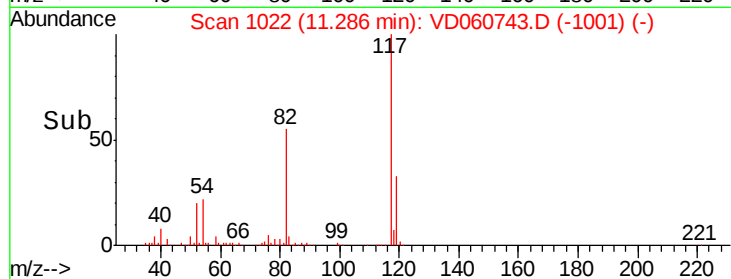
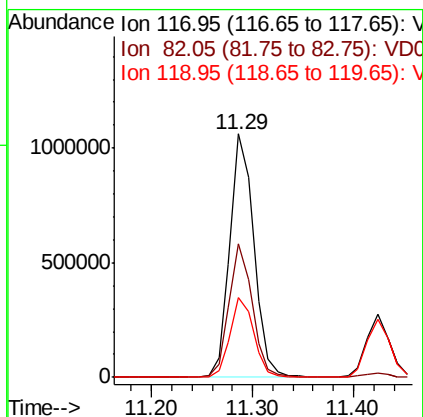
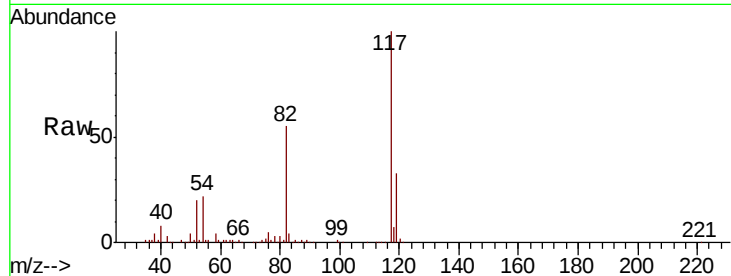
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.5	66.7
119	32.7	26.3	39.5

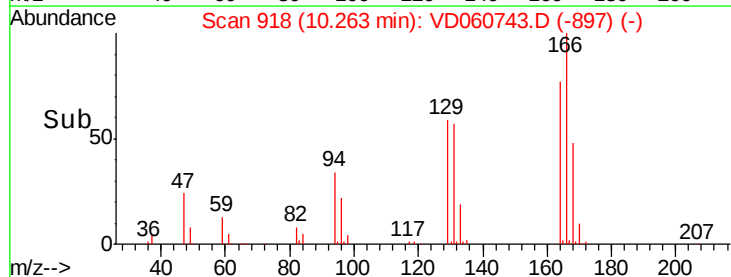
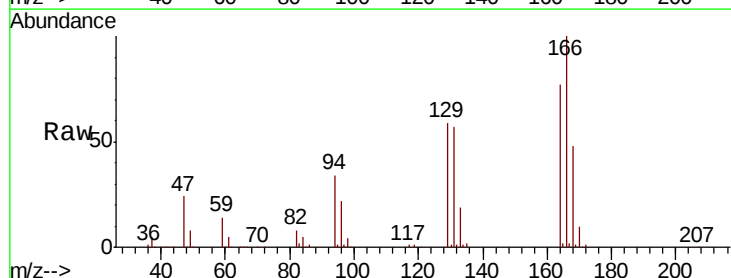
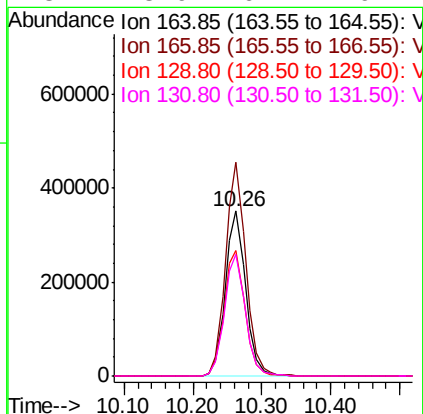
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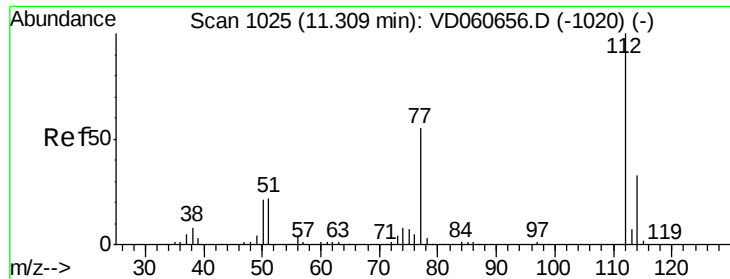
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#64
Tetrachloroethene
Concen: 44.988 ug/l
RT: 10.26 min Scan# 918
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	104.4	156.6
129	76.0	62.7	94.1
131	73.9	61.1	91.7





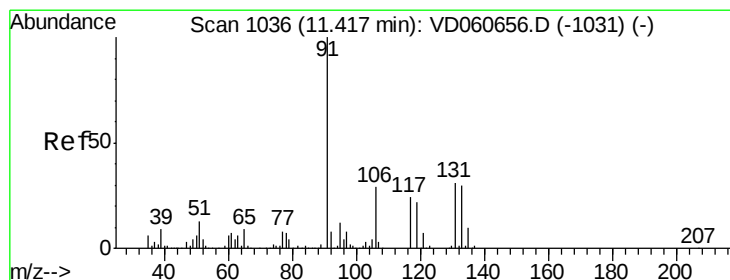
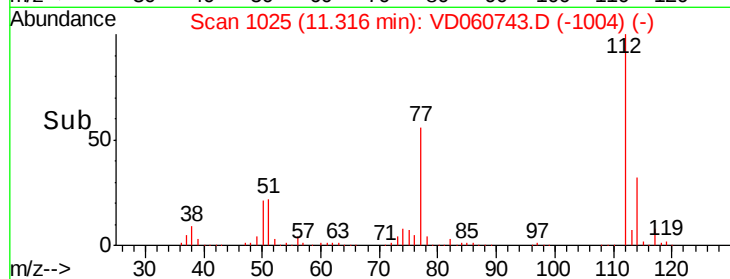
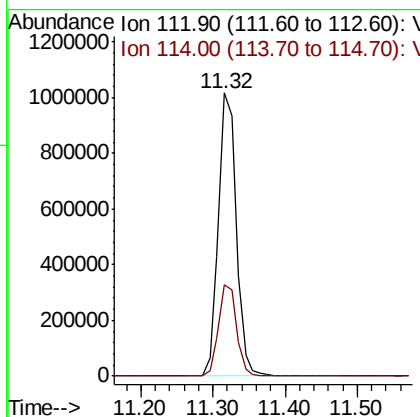
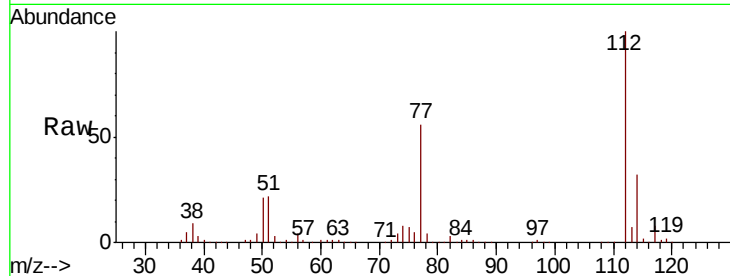
#65
Chlorobenzene
Concen: 44.819 ug/l
RT: 11.32 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1735684
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1

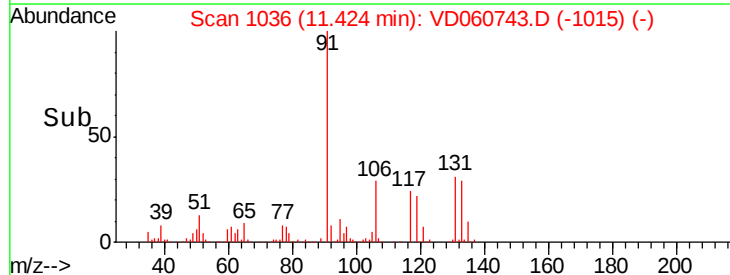
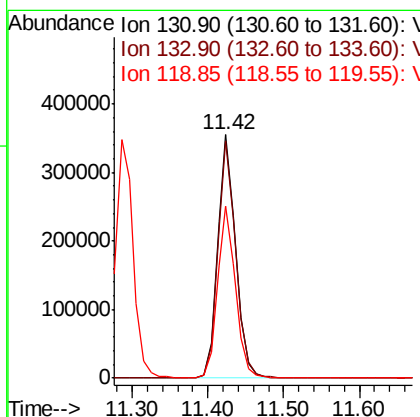
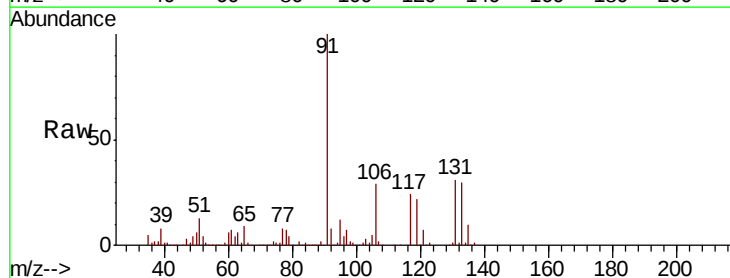
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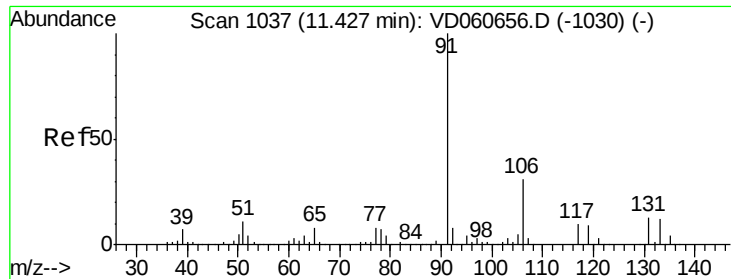
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.332 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion:131 Resp: 589360
Ion Ratio Lower Upper
131 100
133 97.3 49.1 147.3
119 70.6 36.6 109.8





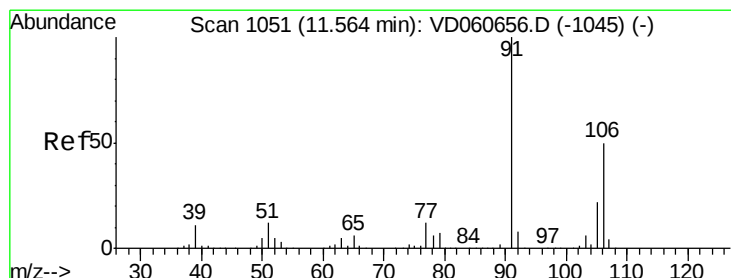
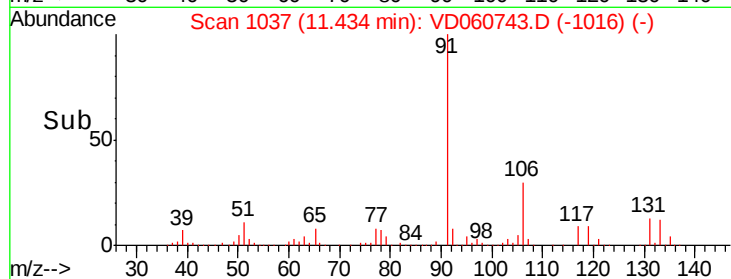
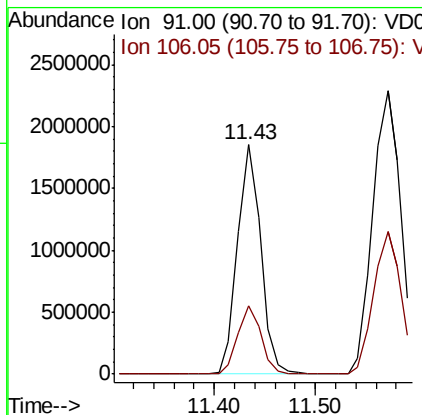
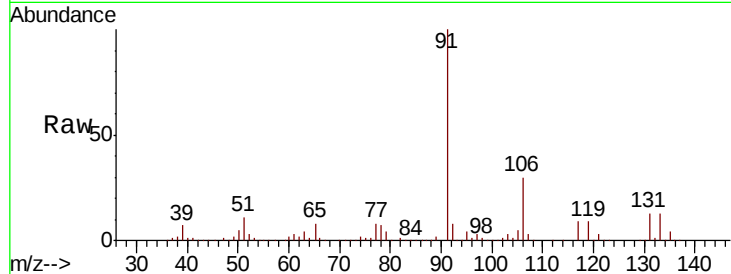
#67
Ethyl Benzene
Concen: 44.778 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2969850
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

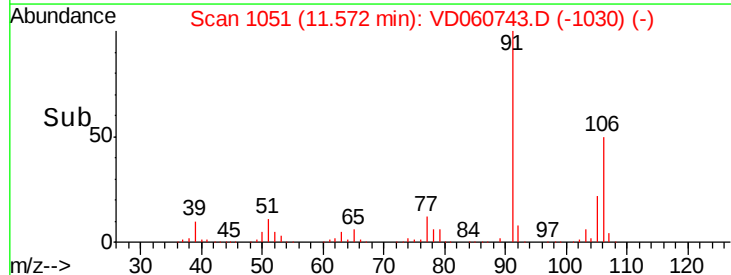
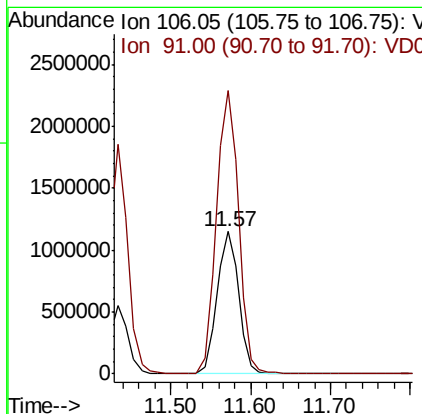
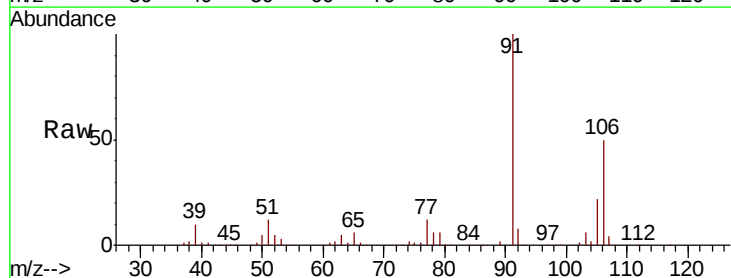
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#68
m/p-Xylenes
Concen: 90.857 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 106 Resp: 2202195
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3





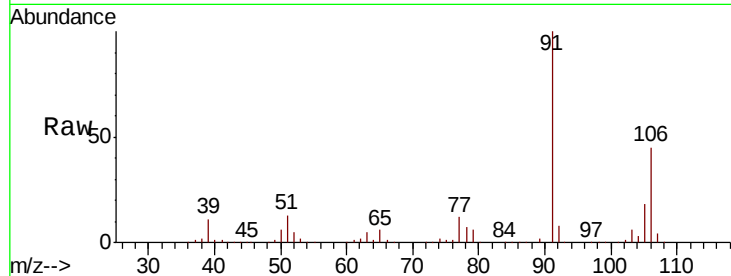
#69
o-Xylene
Concen: 45.242 ug/l
RT: 11.94 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

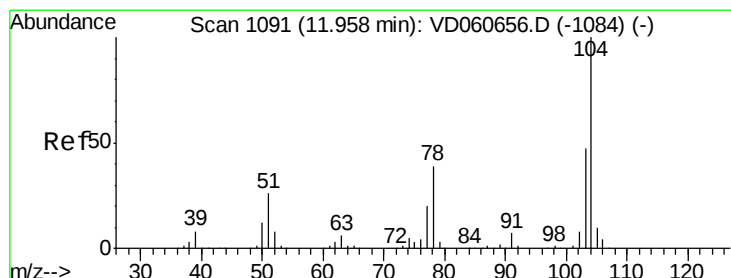
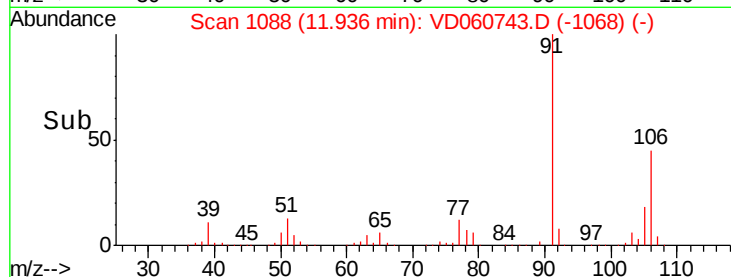
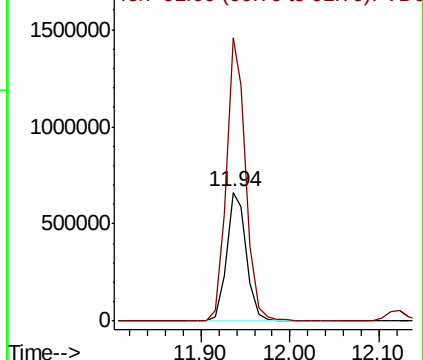
Tot Ion:106 Resp: 1040355
Ion Ratio Lower Upper
106 100
91 219.9 101.5 304.5

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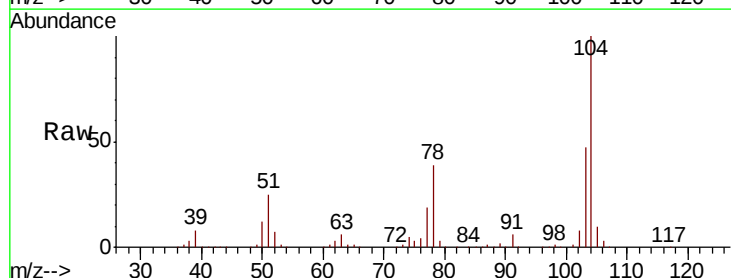


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

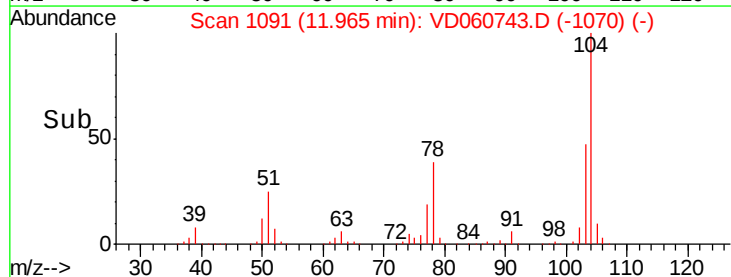
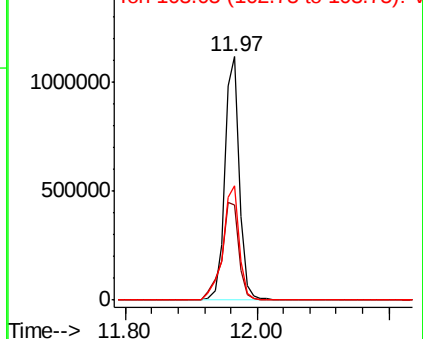


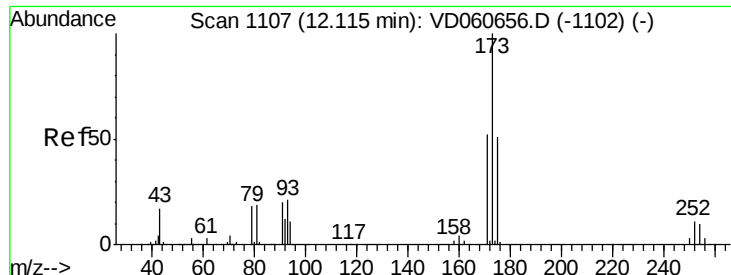
#70
Styrene
Concen: 46.259 ug/l
RT: 11.97 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion:104 Resp: 1713221
Ion Ratio Lower Upper
104 100
78 39.2 31.4 47.2
103 46.8 37.5 56.3



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





#71

Bromoform

Concen: 47.710 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

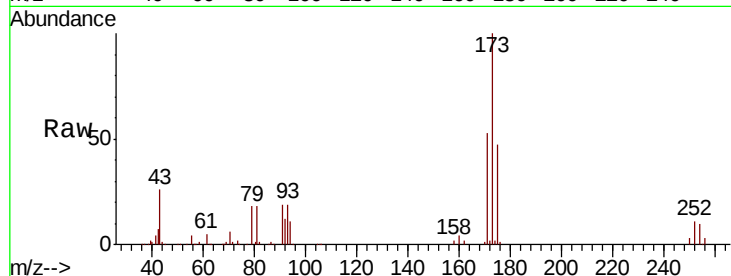
ClientSampleId :

VSTDCCC050

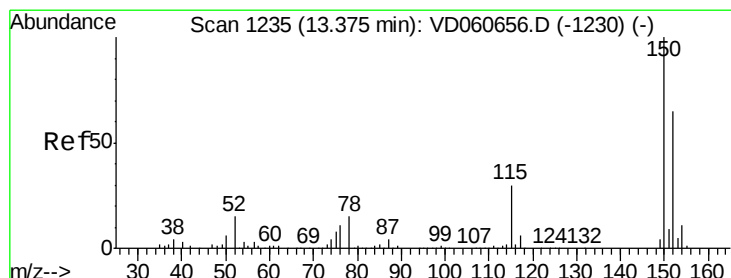
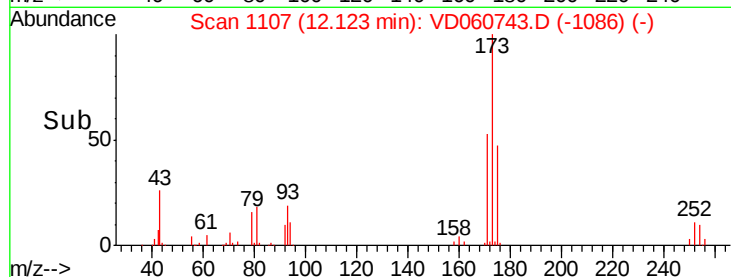
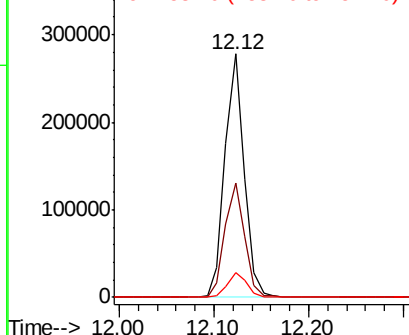
Tot Ion:	173	Resp:	392144
Ion Ratio	Lower	Upper	
173	100		
175	47.1	25.5	76.5
254	10.2	7.9	11.9

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

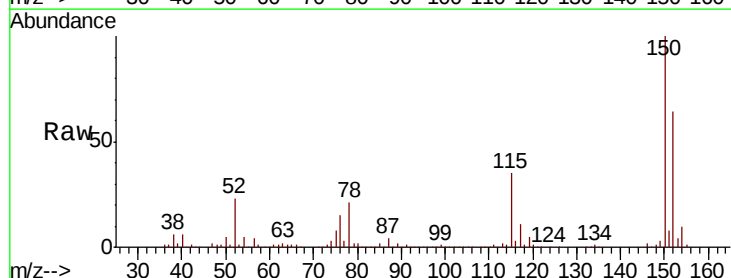
RT: 13.37 min Scan# 1234

Delta R.T. -0.00 min

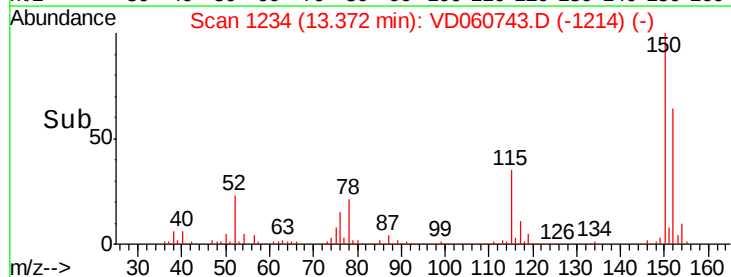
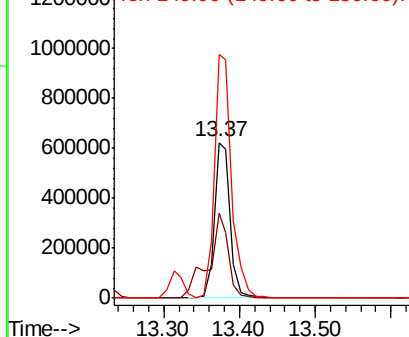
Lab File: VD060743.D

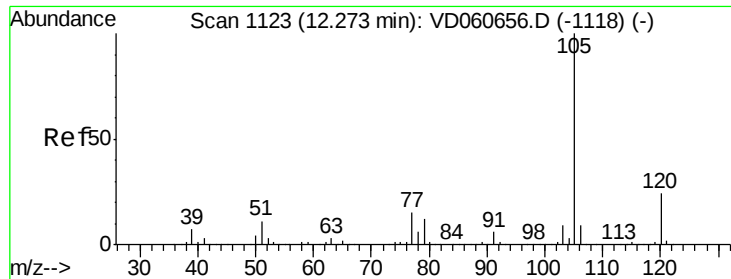
Acq: 28 Dec 2018 12:20

Tgt Ion:	152	Resp:	913909
Ion Ratio	Lower	Upper	
152	100		
115	54.5	24.1	72.3
150	156.6	0.0	315.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





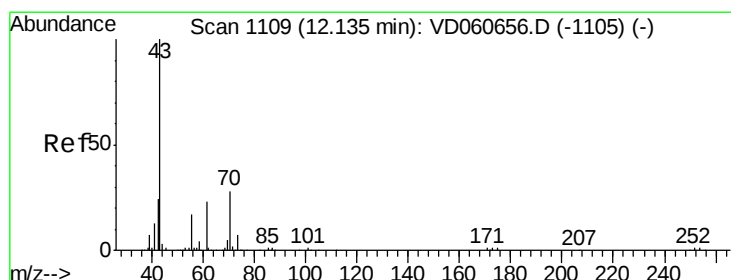
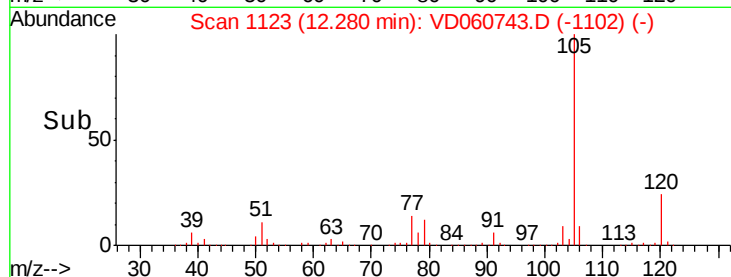
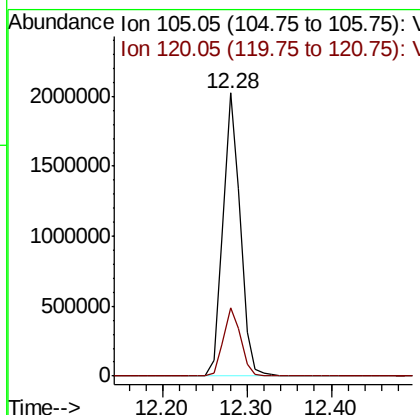
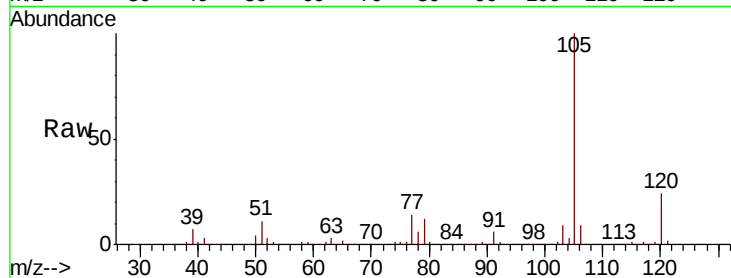
#73
Isopropylbenzene
Concen: 44.235 ug/l
RT: 12.28 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2878328
Ion Ratio Lower Upper
105 100
120 24.3 12.2 36.4

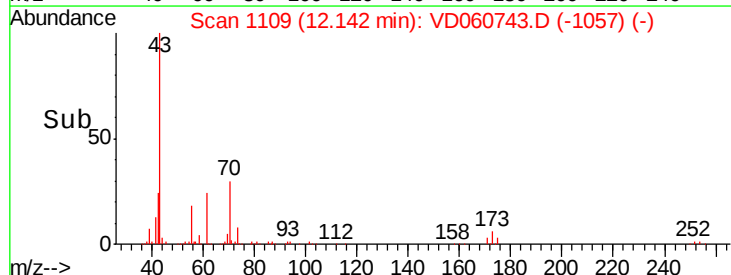
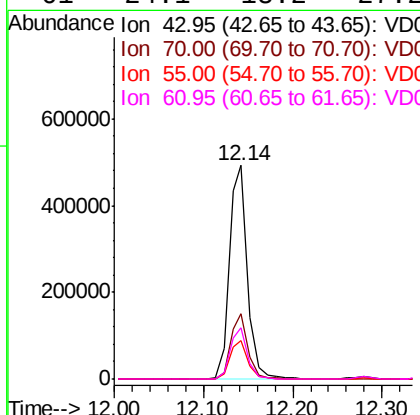
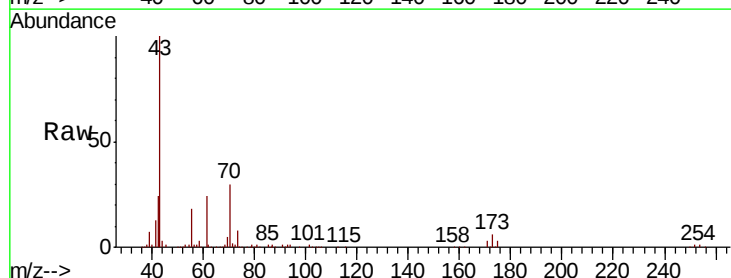
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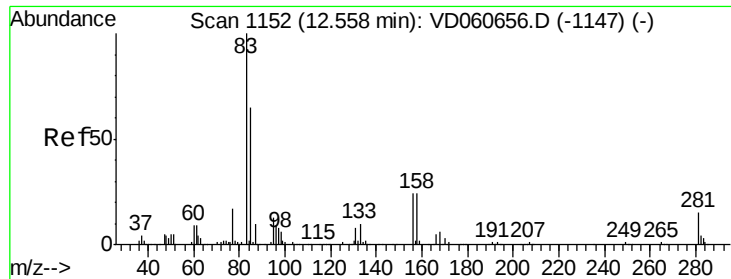
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#74
N-ethyl acetate
Concen: 45.878 ug/l
RT: 12.14 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 43 Resp: 704554
Ion Ratio Lower Upper
43 100
70 30.3 22.2 33.2
55 18.0 13.8 20.8
61 24.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.546 ug/l

RT: 12.57 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

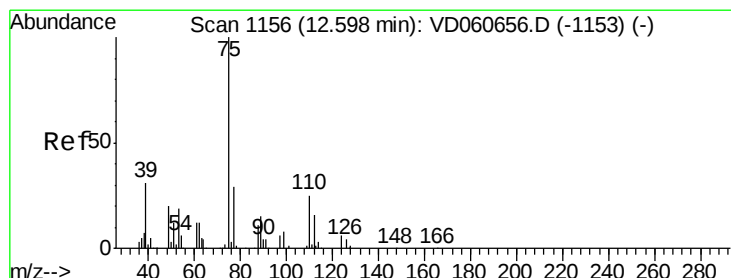
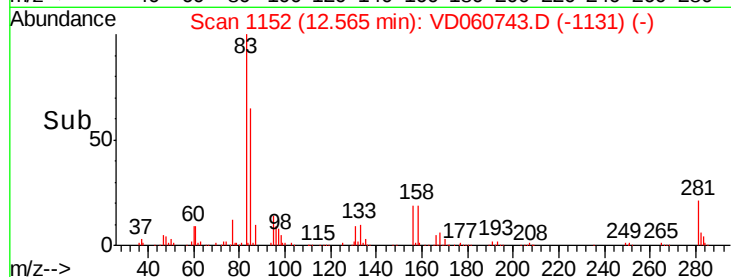
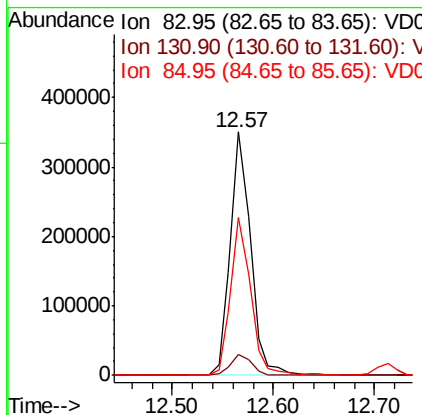
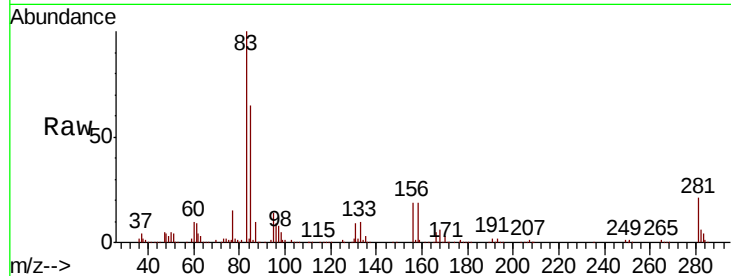
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	490916
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.2	12.4
85	64.9	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 45.881 ug/l

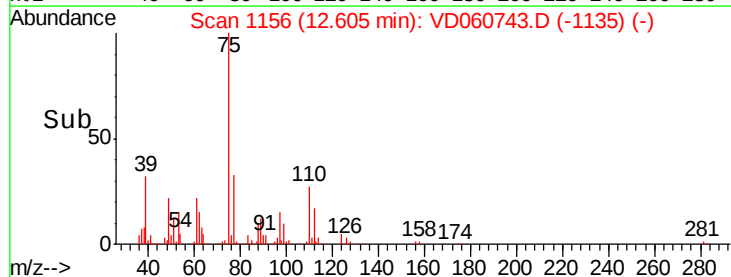
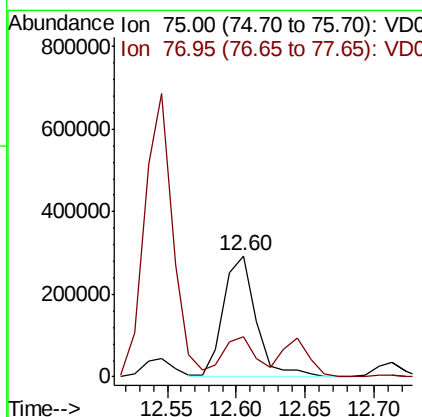
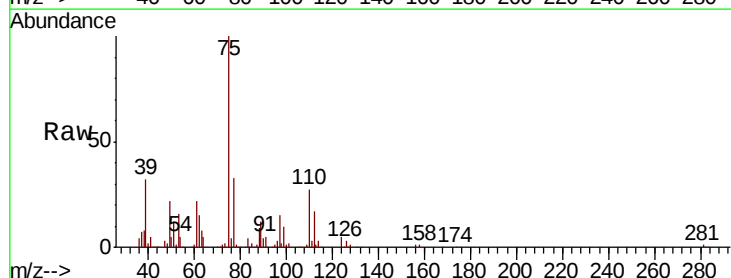
RT: 12.60 min Scan# 1156

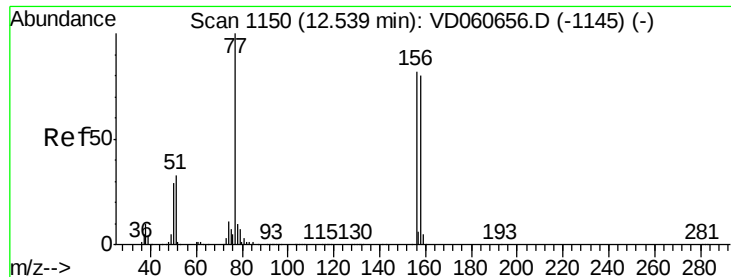
Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Tgt Ion:	75	Resp:	477377
Ion Ratio	Lower	Upper	
75	100		
77	33.5	16.7	50.0





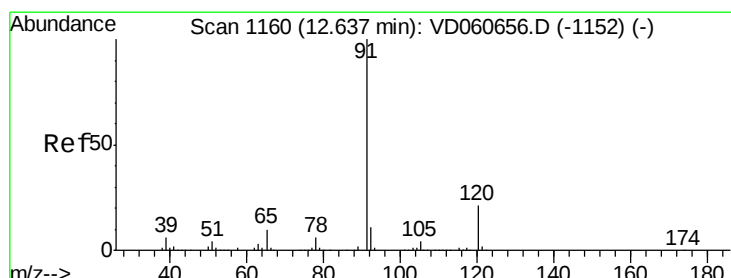
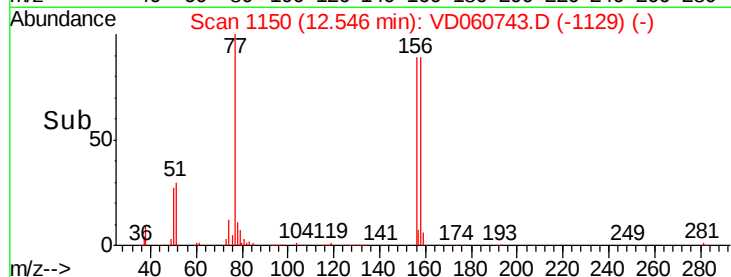
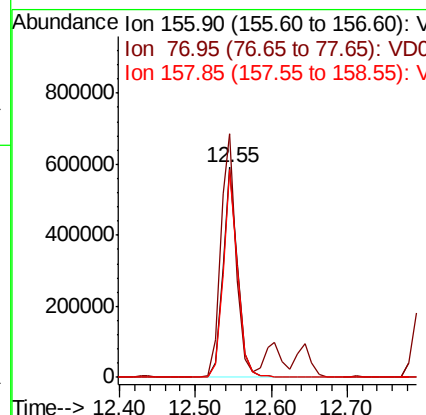
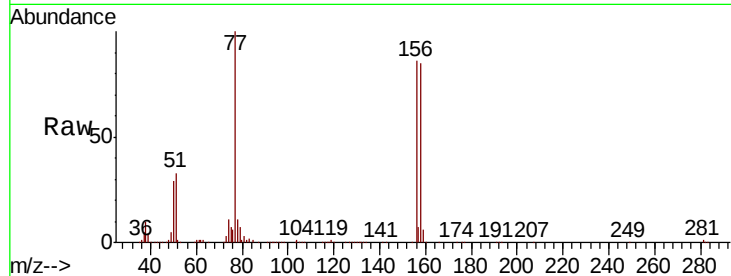
#77
Bromobenzene
Concen: 46.814 ug/l
RT: 12.55 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	116.1	61.3	183.9
158	99.1	48.9	146.6

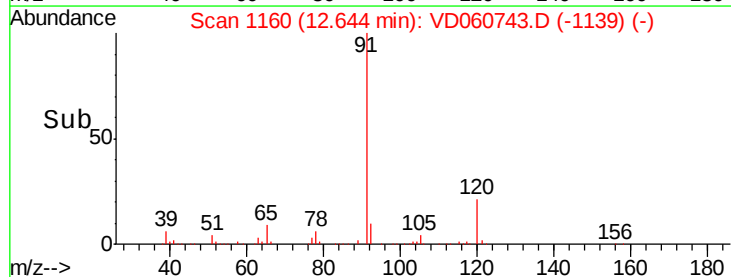
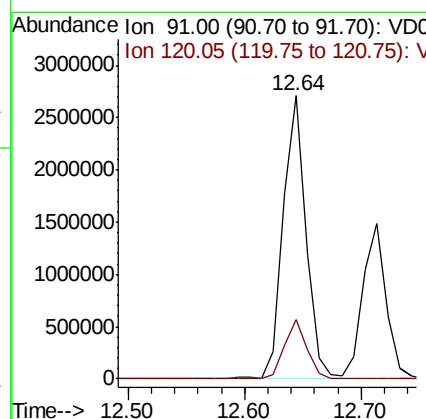
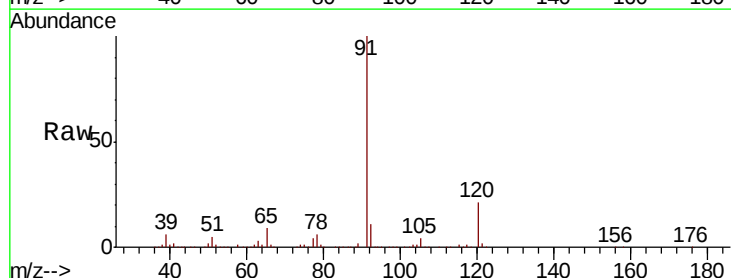
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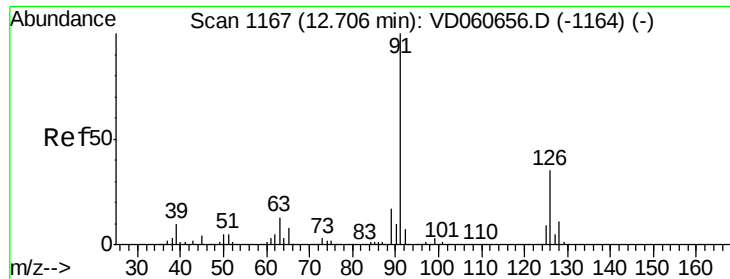
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#78
n-propylbenzene
Concen: 44.360 ug/l
RT: 12.64 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.4	31.2





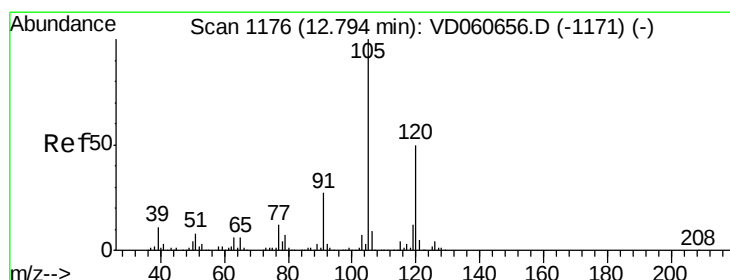
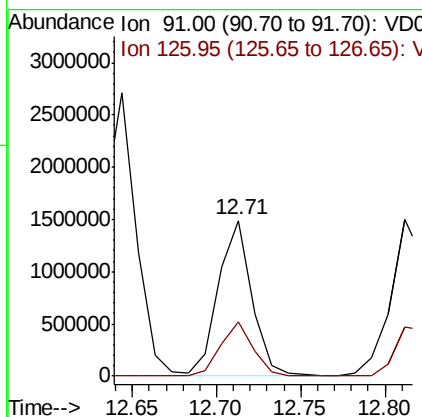
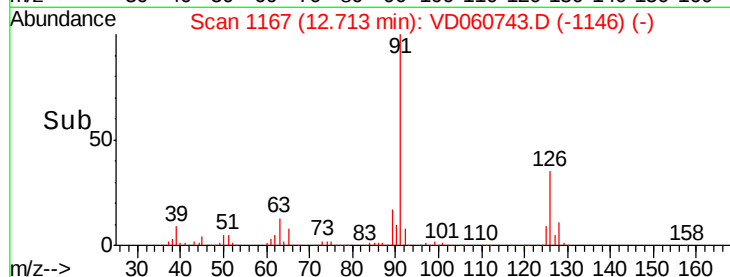
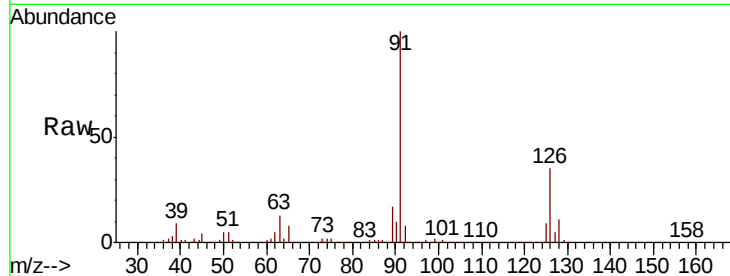
#79
2-Chlorotoluene
Concen: 45.748 ug/l
RT: 12.71 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2038325
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.5

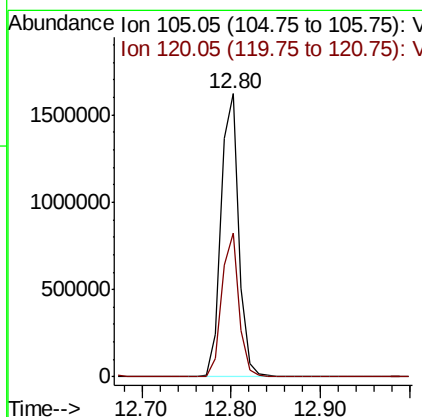
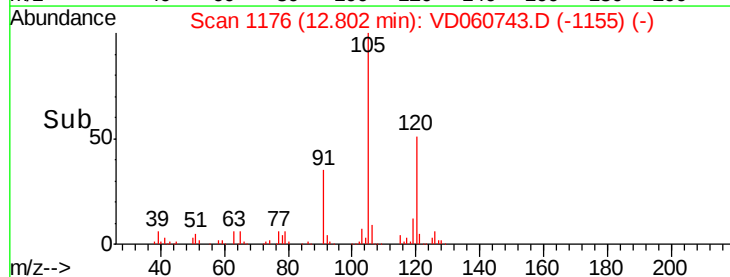
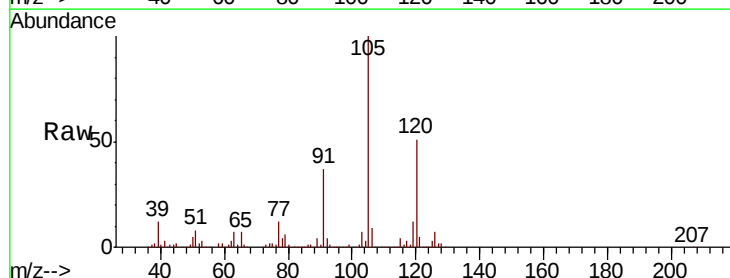
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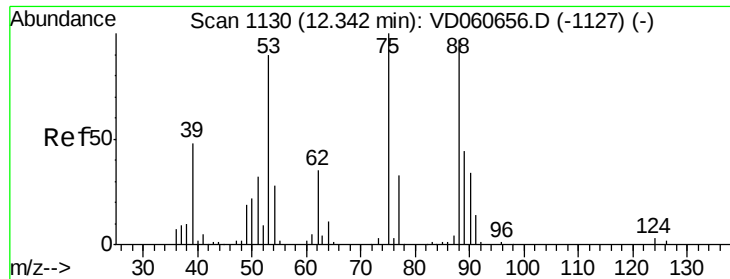
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#80
1,3,5-Trimethylbenzene
Concen: 45.232 ug/l
RT: 12.80 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 105 Resp: 2272701
Ion Ratio Lower Upper
105 100
120 50.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.777 ug/l

RT: 12.35 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 134488

Ion Ratio Lower Upper

75 100

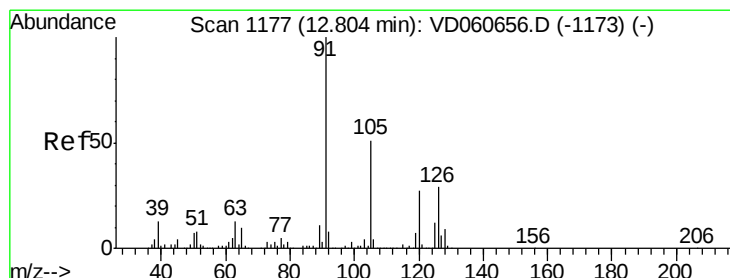
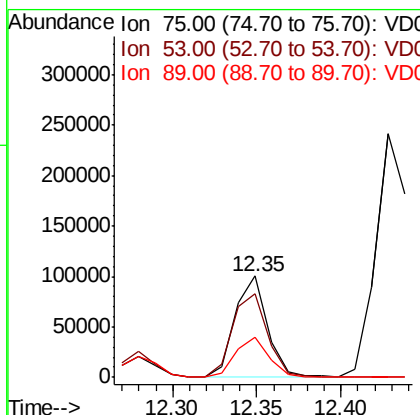
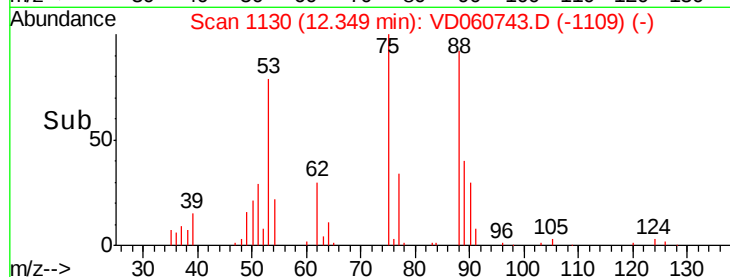
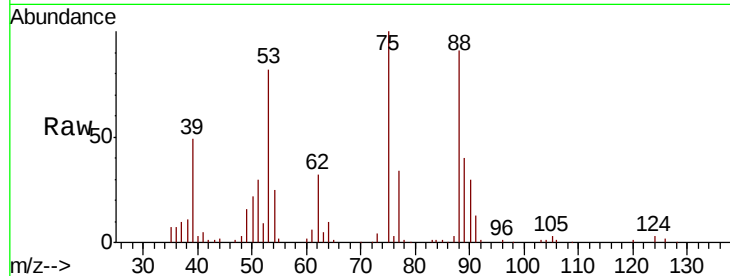
53 82.5 72.1 108.1

89 39.7 35.1 52.7

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#82

4-Chlorotoluene

Concen: 44.737 ug/l

RT: 12.81 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060743.D

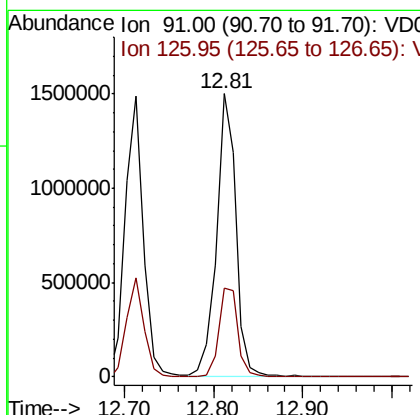
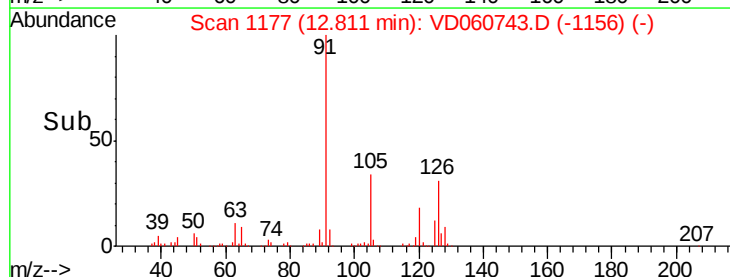
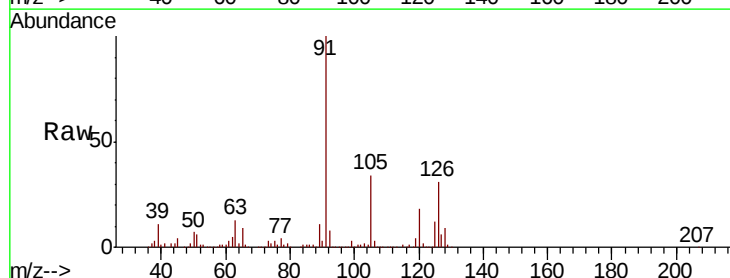
Acq: 28 Dec 2018 12:20

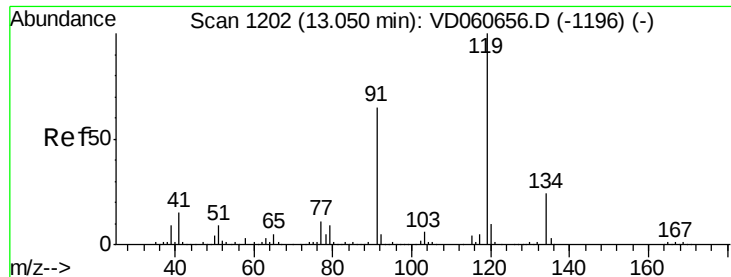
Tgt Ion: 91 Resp: 2259279

Ion Ratio Lower Upper

91 100

126 31.2 14.6 43.8





#83

tert-Butylbenzene

Concen: 45.582 ug/l

RT: 13.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD060743.D

Acq: 28 Dec 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2606519

Ion Ratio Lower Upper

119 100

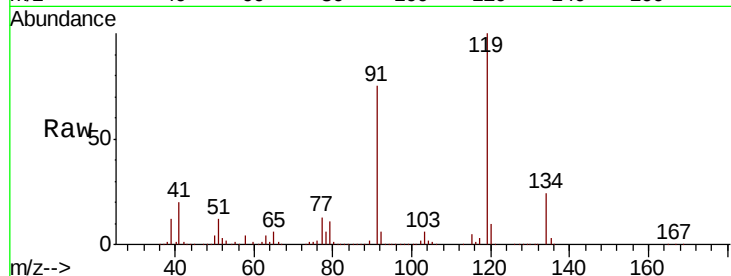
91 74.7 32.5 97.4

134 24.5 11.9 35.9

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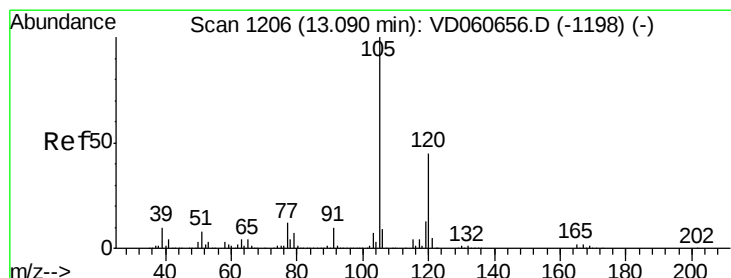
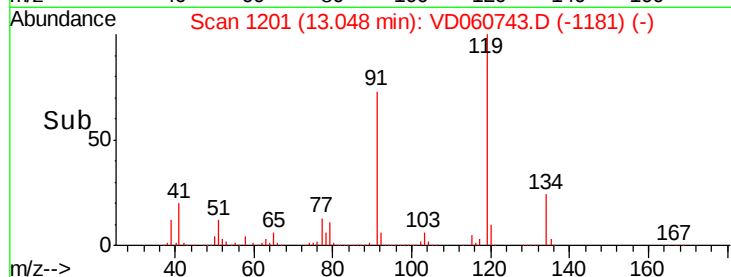
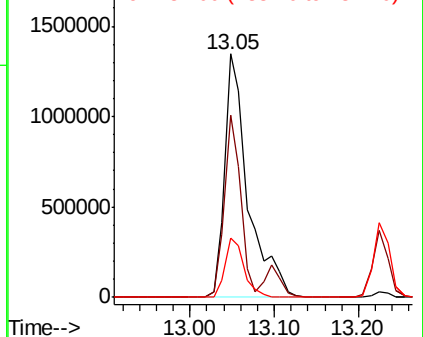
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.229 ug/l

RT: 13.10 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD060743.D

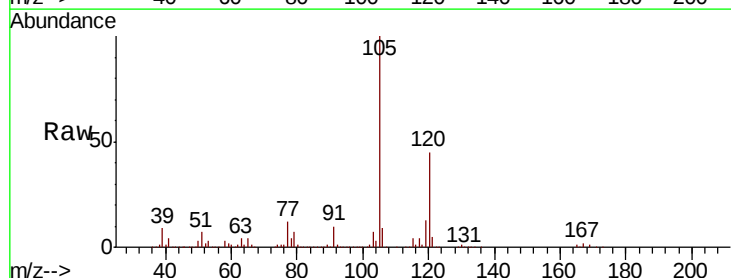
Acq: 28 Dec 2018 12:20

Tgt Ion:105 Resp: 2340564

Ion Ratio Lower Upper

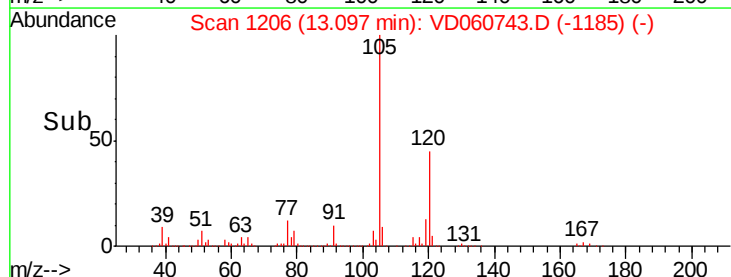
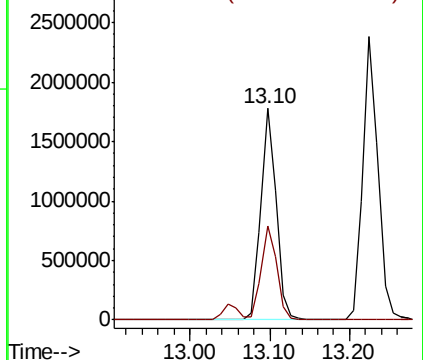
105 100

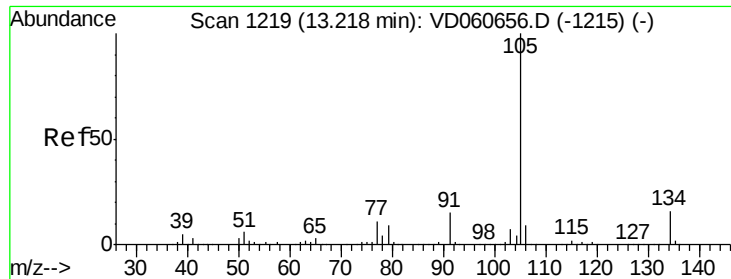
120 44.6 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





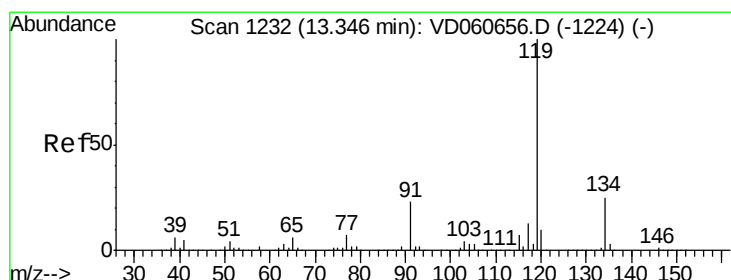
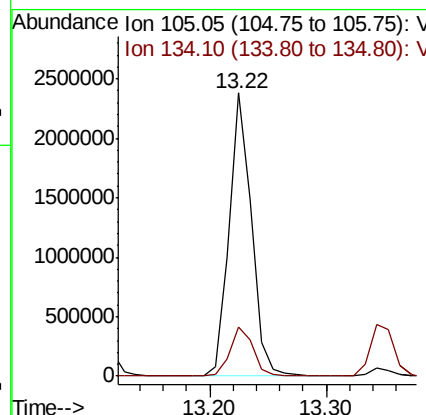
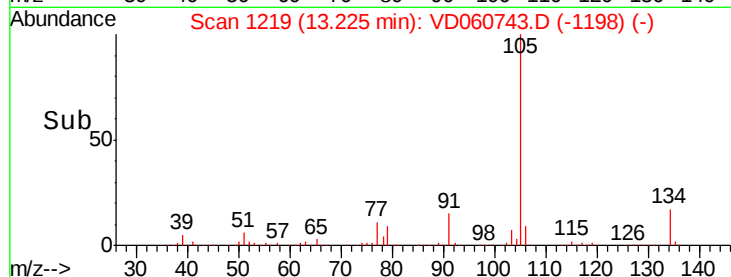
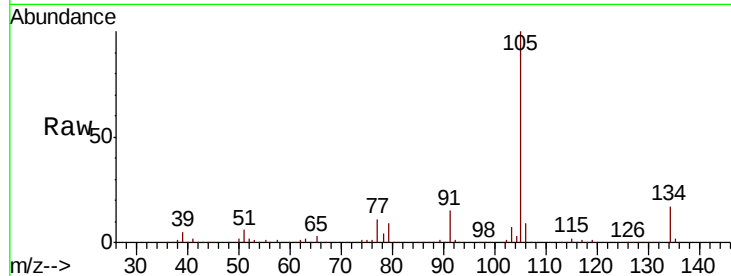
#85
 sec-Butylbenzene
 Concen: 45.050 ug/l
 RT: 13.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 3141620
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.4

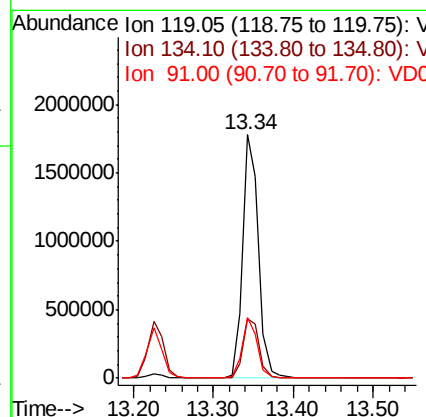
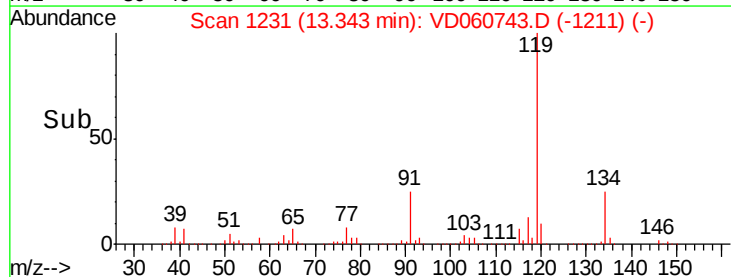
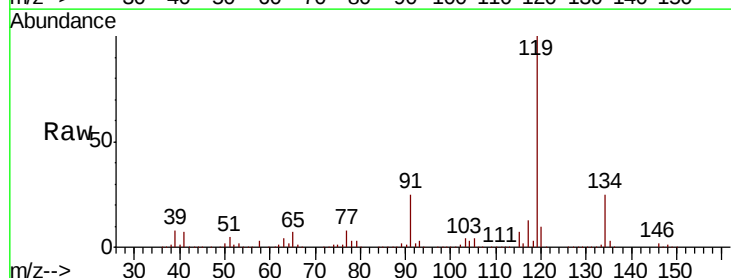
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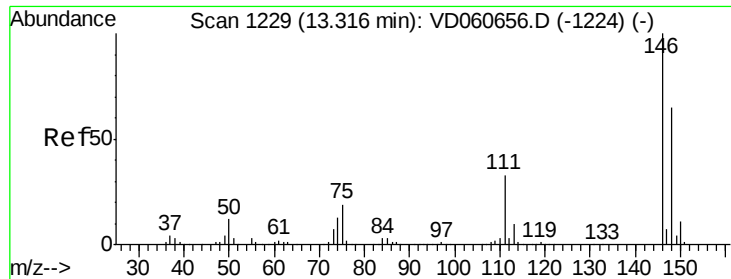
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#86
 p-Isopropyltoluene
 Concen: 43.586 ug/l
 RT: 13.34 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion:119 Resp: 2453568
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 25.0 11.4 34.2





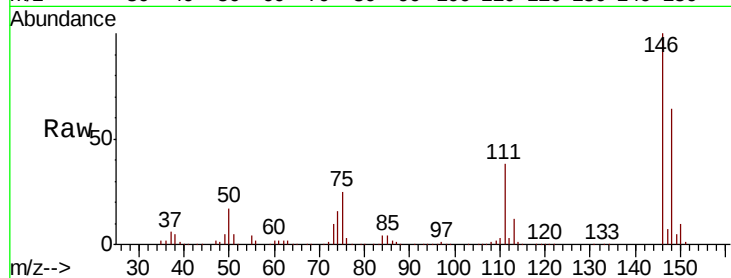
#87
 1,3-Dichlorobenzene
 Concen: 45.403 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

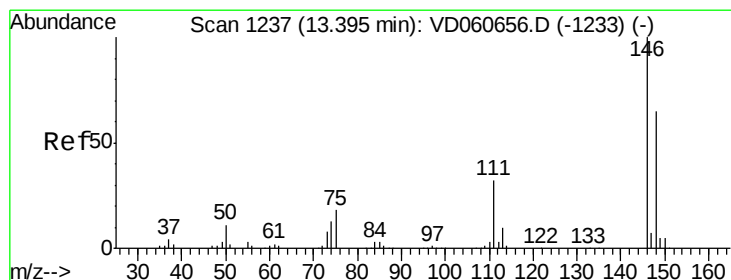
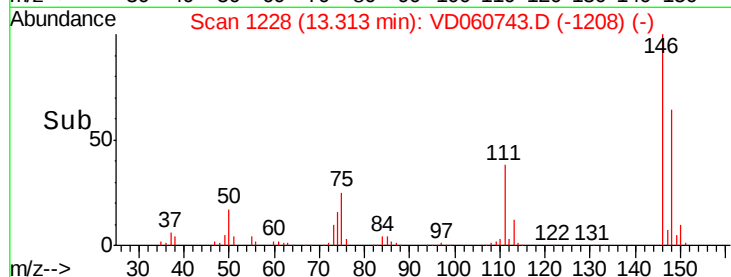
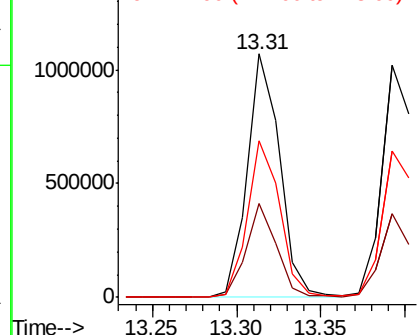
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	16.6	49.8
148	64.5	32.6	97.8

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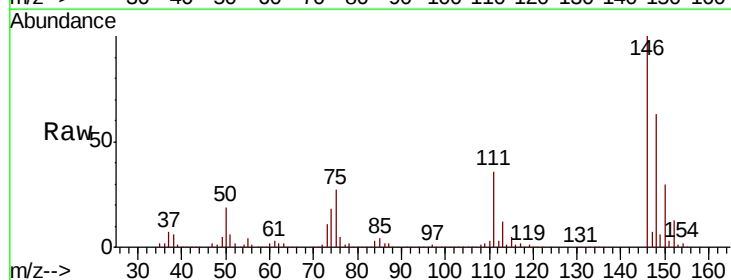


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

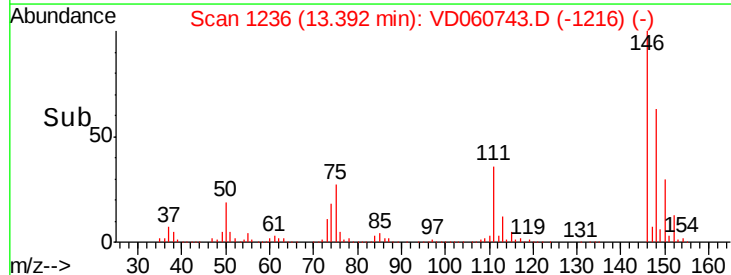
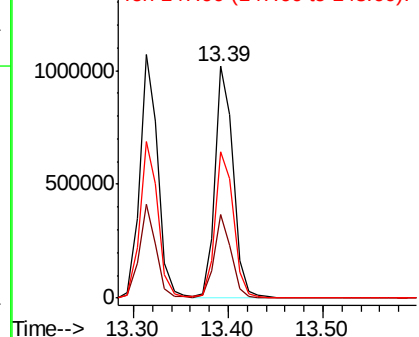


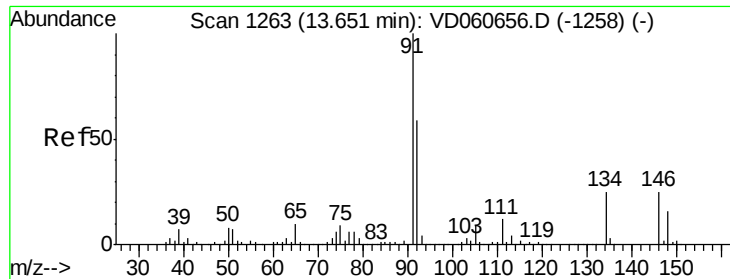
#88
 1,4-Dichlorobenzene
 Concen: 44.097 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	16.2	48.5
148	63.5	32.7	98.1



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





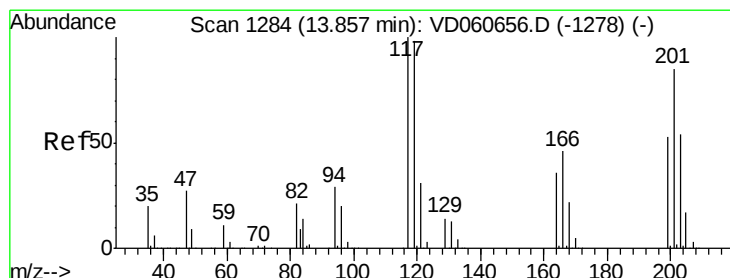
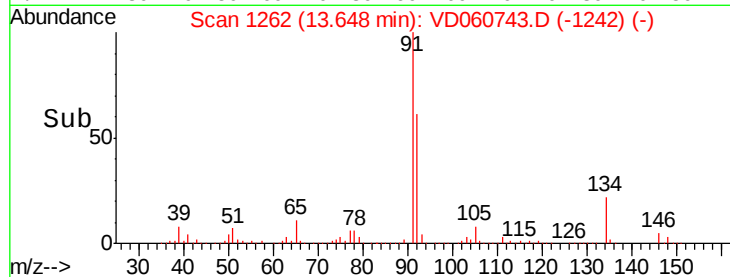
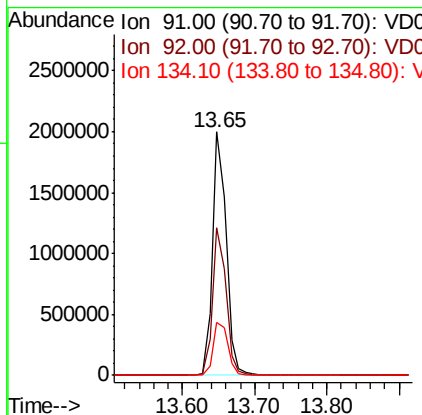
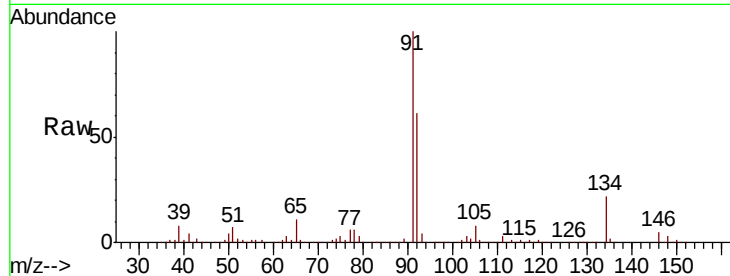
#89
n-Butylbenzene
Concen: 45.207 ug/l
RT: 13.65 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2600500
Ion Ratio Lower Upper
91 100
92 60.6 29.7 89.1
134 21.7 12.7 38.1

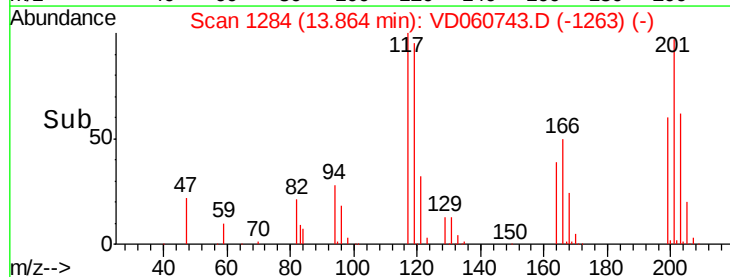
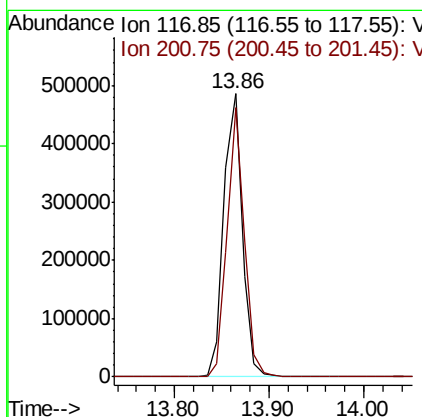
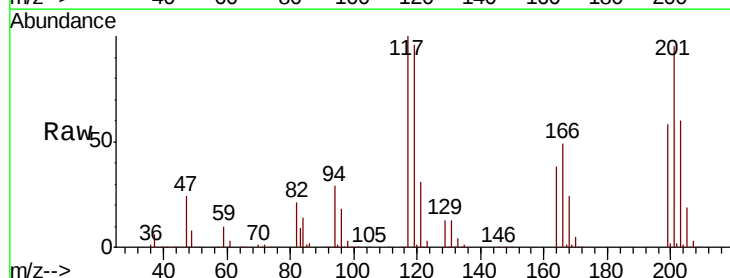
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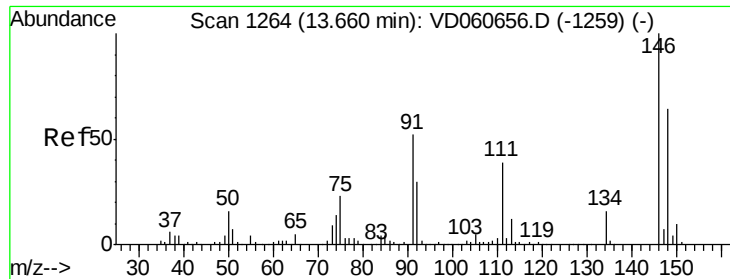
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#90
Hexachloroethane
Concen: 47.736 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion: 117 Resp: 660135
Ion Ratio Lower Upper
117 100
201 95.1 42.6 127.8





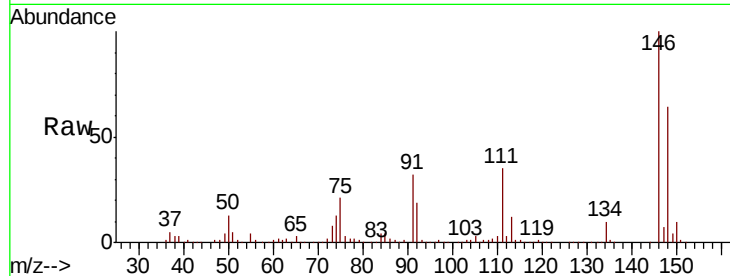
#91
 1,2-Dichlorobenzene
 Concen: 46.494 ug/l
 RT: 13.67 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

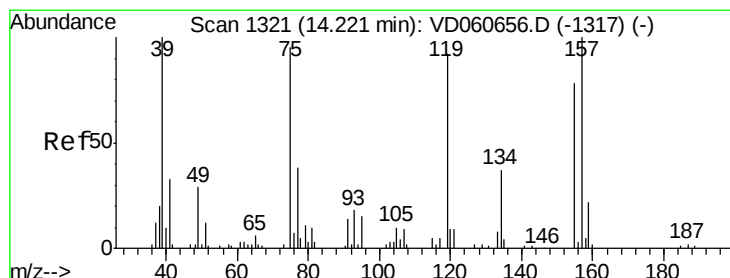
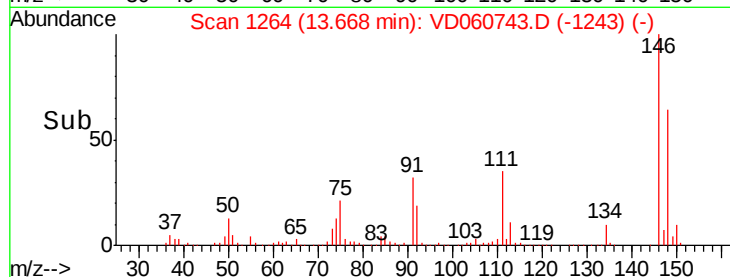
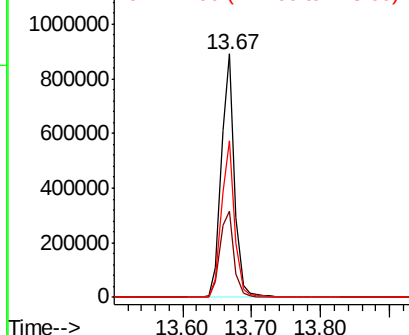
Tot Ion:146 Resp: 1176180
 Ion Ratio Lower Upper
 146 100
 111 35.2 19.3 57.9
 148 64.1 31.9 95.9

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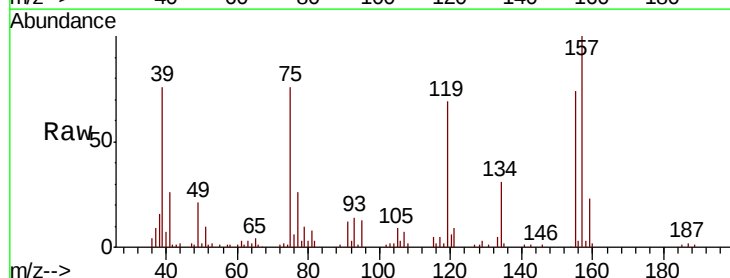


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

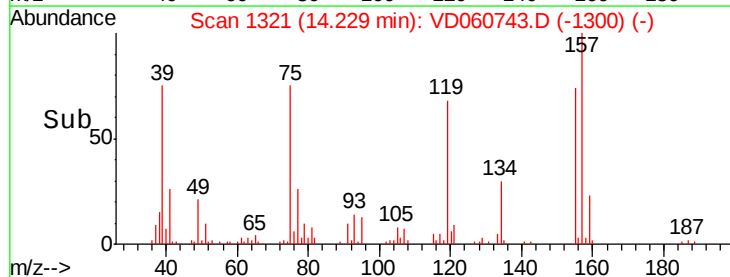
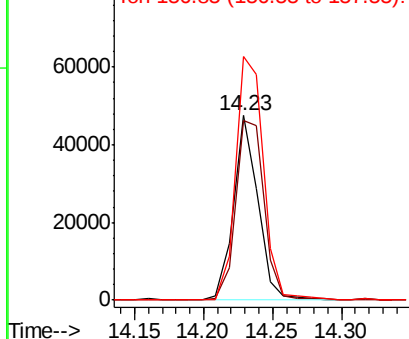


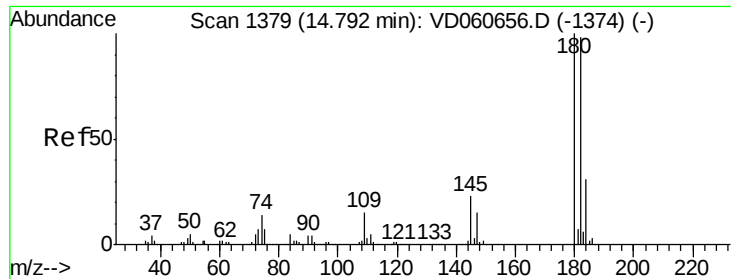
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.128 ug/l
 RT: 14.23 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VD060743.D
 Acq: 28 Dec 2018 12:20

Tgt Ion: 75 Resp: 58395
 Ion Ratio Lower Upper
 75 100
 155 97.3 41.1 123.4
 157 132.1 52.5 157.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





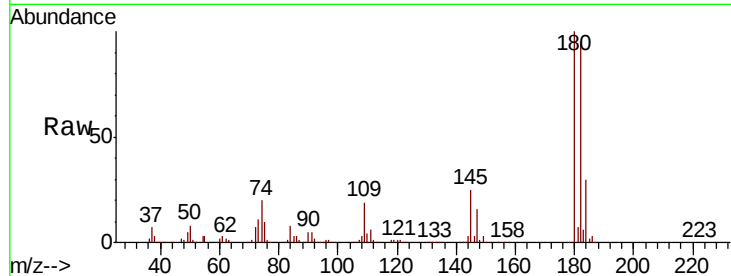
#93
1,2,4-Trichlorobenzene
Concen: 47.750 ug/l
RT: 14.79 min Scan# 1378
Delta R.T. -0.00 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.8	146.4
145	25.4	11.8	35.3

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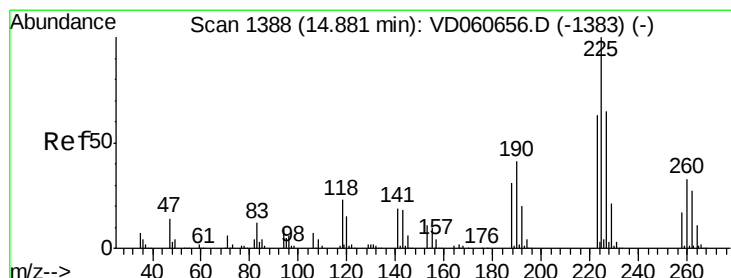
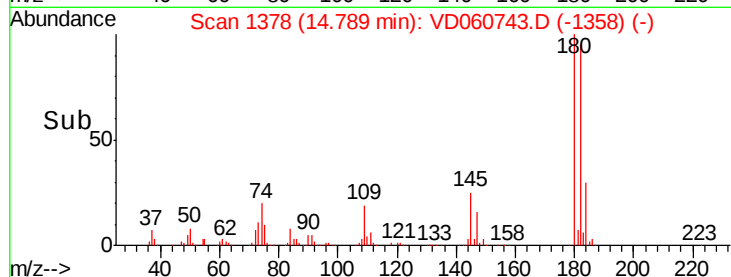
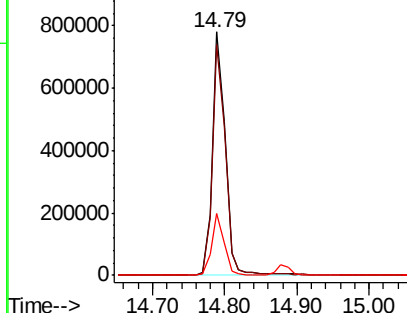


Abundance

Ion 179.85 (179.55 to 180.55): V

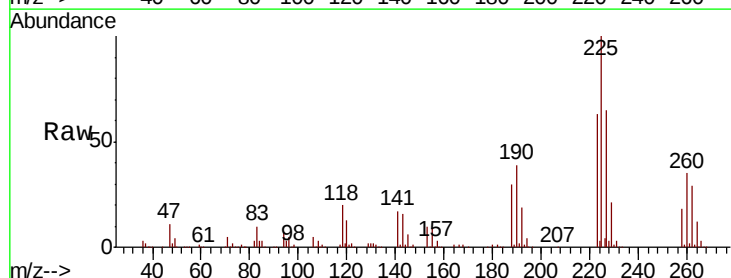
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 45.343 ug/l
RT: 14.89 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	64.6	32.5	97.4

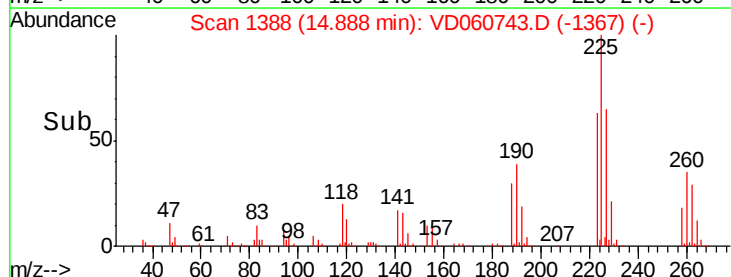
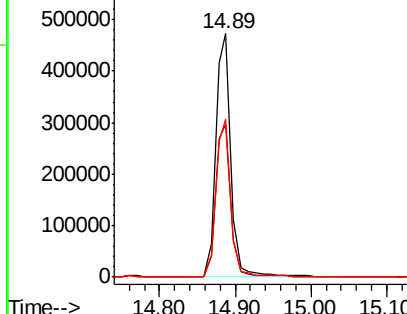


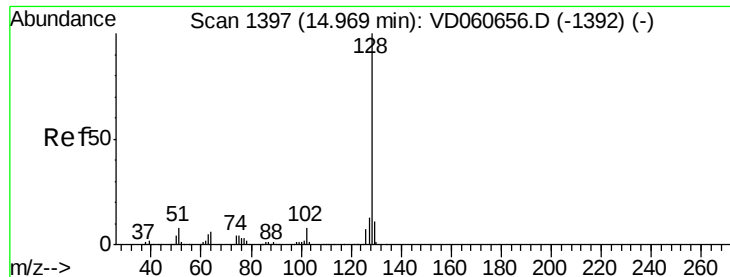
Abundance

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





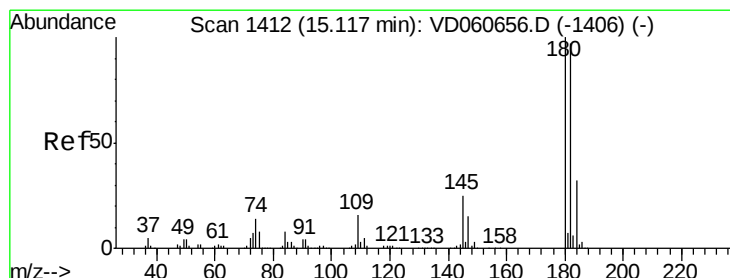
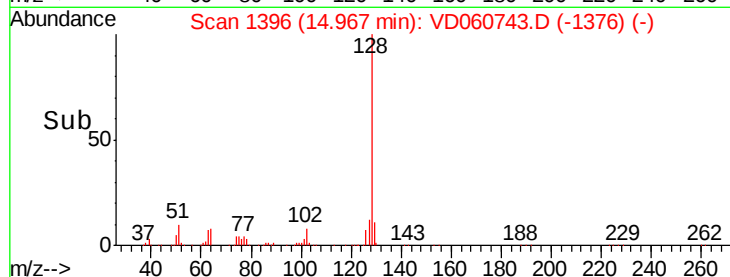
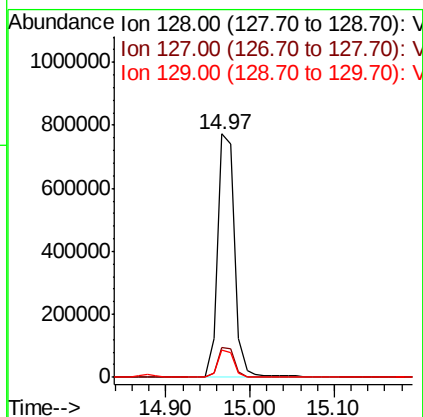
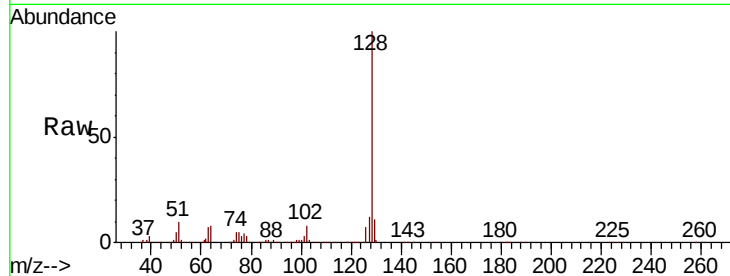
#95
Naphthalene
Concen: 45.205 ug/l
RT: 14.97 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 46.194 ug/l
RT: 15.11 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VD060743.D
Acq: 28 Dec 2018 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.6	145.9
145	28.7	12.6	37.8

