

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060740.D
 Acq On : 27 Dec 2018 21:38
 Operator : VA/AP
 Sample : J6447-09MS
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Manual Integrations
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 12/28/2018 9:47:12 AM

Quant Time: Dec 28 03:11:33 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	6.37	168	201061	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	301679	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	242163	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	96475	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	168719	121.43	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	242.86%	
35) Dibromofluoromethane	6.29	113	170644	77.28	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	154.56%	
50) Toluene-d8	9.42	98	329203	49.97	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	110969	48.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	127549	49.648	ug/l	100
3) Chloromethane	1.75	50	148546	62.827	ug/l	99
4) Vinyl Chloride	1.84	62	101847	54.256	ug/l	98
5) Bromomethane	2.15	94	45015	107.055	ug/l	98
6) Chloroethane	2.25	64	44434	79.318	ug/l	96
7) Trichlorofluoromethane	2.50	101	104601	50.098	ug/l	98
8) Diethyl Ether	2.81	74	50147	143.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	54954	40.576	ug/l	94
10) Methyl Iodide	3.22	142	86214	60.571	ug/l	96
11) Tert butyl alcohol	3.94	59	55109	949.022	ug/l	99
12) 1,1-Dichloroethene	3.05	96	60819	54.653	ug/l	94
13) Acrolein	2.96	56	10363	175.124	ug/l	96
14) Allyl chloride	3.51	41	151070	73.983	ug/l	96
15) Acrylonitrile	4.06	53	311331	923.478	ug/l	97
16) Acetone	3.13	43	270432	1114.484	ug/l	99
17) Carbon Disulfide	3.29	76	174687	49.153	ug/l	98
18) Methyl Acetate	3.53	43	327685	544.896	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	413738	146.545	ug/l	98
20) Methylene Chloride	3.69	84	228723	90.763	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	144621	63.458	ug/l	99
22) Diisopropyl ether	4.82	45	697715	100.637	ug/l #	85
23) Vinyl Acetate	4.82	43	301147	89.782	ug/l #	80
24) 1,1-Dichloroethane	4.73	63	272004	74.589	ug/l	99
25) 2-Butanone	5.58	43	410742	884.585	ug/l	99
26) 2,2-Dichloropropane	5.55	77	156533	54.379	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	171548	74.151	ug/l	98
28) Bromochloromethane	5.89	49	185228	120.233	ug/l	98
29) Tetrahydrofuran	5.92	42	267879	1017.661	ug/l	98
30) Chloroform	6.06	83	297066	80.957	ug/l	96
31) Cyclohexane	6.33	56	95998	27.355	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	156676	51.609	ug/l	94
36) 1,1-Dichloropropene	6.49	75	135342	43.568	ug/l	91
37) Ethyl Acetate	5.66	43	70470	54.241	ug/l	99
38) Carbon Tetrachloride	6.46	117	114920	41.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.00	83	57451	16.216	µg/l	98
40) Benzene	6.76	78	529658	66.008	µg/l	97
41) Methacrylonitrile	5.92	41	140549m	195.577	µg/l	
42) 1,2-Dichloroethane	6.86	62	227335	114.166	µg/l	100
43) Isopropyl Acetate	8.32	43	45503	27.292	µg/l #	98
44) Trichloroethene	7.71	130	116914	49.227	µg/l	100
45) 1,2-Dichloropropane	8.07	63	155135	78.835	µg/l	99
46) Dibromomethane	8.18	93	134430	119.693	µg/l	94
47) Bromodichloromethane	8.46	83	219463	82.501	µg/l	98
48) Methyl methacrylate	8.21	41	154191	152.269	µg/l	98
49) 1,4-Dioxane	8.19	88	36066	3830.576	µg/l	98
51) 4-Methyl-2-Pentanone	9.31	43	841428	823.739	µg/l	98
52) Toluene	9.52	92	282366	56.133	µg/l	99
53) t-1,3-Dichloropropene	9.88	75	193810	87.330	µg/l	97
54) cis-1,3-Dichloropropene	9.07	75	218921	75.365	µg/l	99
55) 1,1,2-Trichloroethane	10.15	97	144668	106.888	µg/l	98
56) Ethyl methacrylate	10.00	69	32221	25.631	µg/l	98
57) 1,3-Dichloropropane	10.35	76	237467	110.692	µg/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	497272	671.328	µg/l	96
59) 2-Hexanone	10.46	43	527354	737.564	µg/l	98
60) Dibromochloromethane	10.61	129	163816	95.022	µg/l	96
61) 1,2-Dibromoethane	10.73	107	162979	116.094	µg/l	98
64) Tetrachloroethene	10.22	164	77865	35.476	µg/l	94
65) Chlorobenzene	11.29	112	283243	52.940	µg/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	122317	71.104	µg/l	95
67) Ethyl Benzene	11.41	91	407705	44.495	µg/l	97
68) m/p-Xylenes	11.55	106	296279	88.479	µg/l	97
69) o-Xylene	11.91	106	149579	47.083	µg/l	89
70) Styrene	11.93	104	250912	49.038	µg/l	94
71) Bromoform	12.10	173	115648	101.844	µg/l	96
73) Isopropylbenzene	12.25	105	296462	43.160	µg/l	99
74) N-amyl acetate	12.12	43	8223	5.072	µg/l #	91
75) 1,1,2,2-Tetrachloroethane	12.54	83	177421	159.355	µg/l	100
76) 1,2,3-Trichloropropane	12.58	75	180253	164.112	µg/l	99
77) Bromobenzene	12.52	156	126715	69.874	µg/l	99
78) n-propylbenzene	12.62	91	353316	40.234	µg/l	98
79) 2-Chlorotoluene	12.69	91	222646	47.337	µg/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	231031	43.557	µg/l	97
81) trans-1,4-Dichloro-2-buten	12.32	75	43574	143.571	µg/l	93
82) 4-Chlorotoluene	12.79	91	265931	49.883	µg/l	99
83) tert-Butylbenzene	13.03	119	261805	43.371	µg/l	100
84) 1,2,4-Trimethylbenzene	13.07	105	250861	45.921	µg/l	96
85) sec-Butylbenzene	13.20	105	206172	28.006	µg/l	99
86) p-Isopropyltoluene	13.33	119	184547	31.056	µg/l	97
87) 1,3-Dichlorobenzene	13.29	146	152359	45.767	µg/l	93
88) 1,4-Dichlorobenzene	13.38	146	169129	51.557	µg/l	98
89) n-Butylbenzene	13.63	91	146745	24.166	µg/l	96
90) Hexachloroethane	13.84	117	48003	32.883	µg/l	92
91) 1,2-Dichlorobenzene	13.64	146	156977	58.783	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	19397	148.296	µg/l	55

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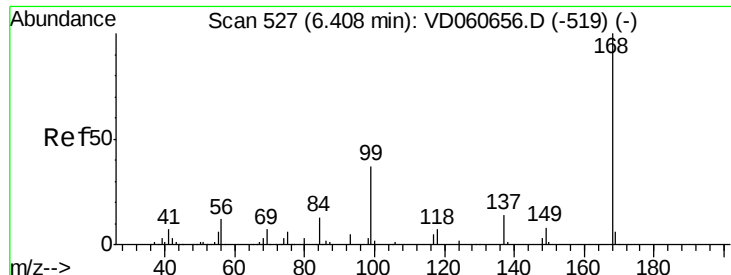
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	57422	27.023	ug/l	96
94) Hexachlorobutadiene	14.86	225	20961	13.345	ug/l	95
95) Naphthalene	14.95	128	145643	57.668	ug/l	97
96) 1,2,3-Trichlorobenzene	15.10	180	48170	28.999	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:168 Resp: 201061

Ion Ratio Lower Upper

168 100

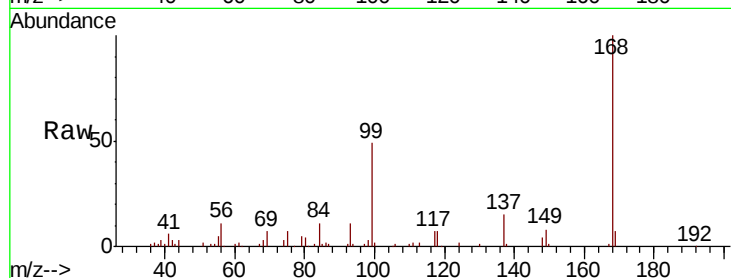
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Manual Integrations

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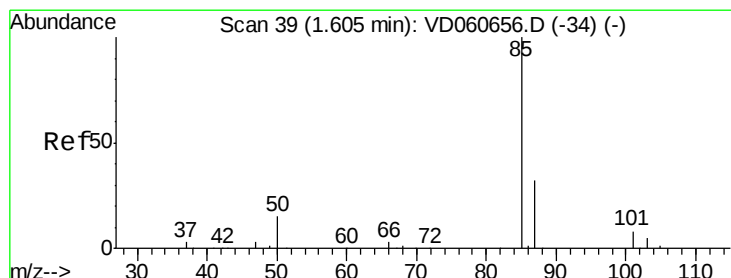
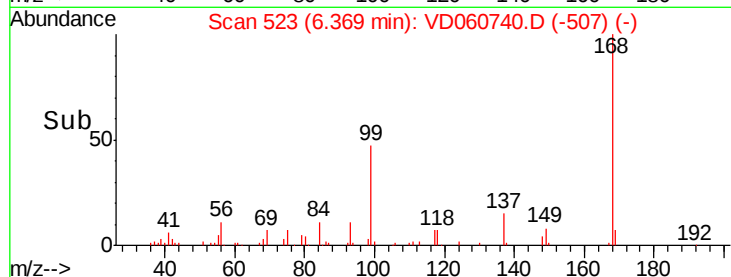
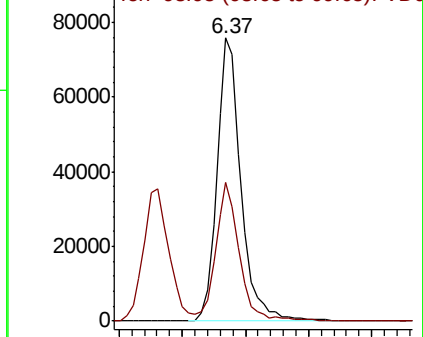
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.648 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060740.D

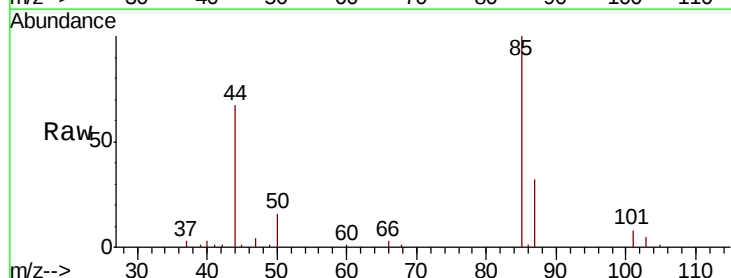
Acq: 27 Dec 2018 21:38

Tgt Ion: 85 Resp: 127549

Ion Ratio Lower Upper

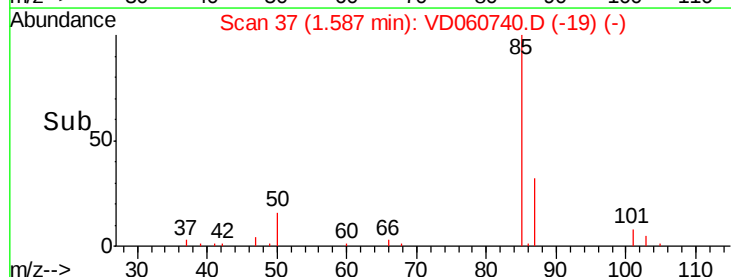
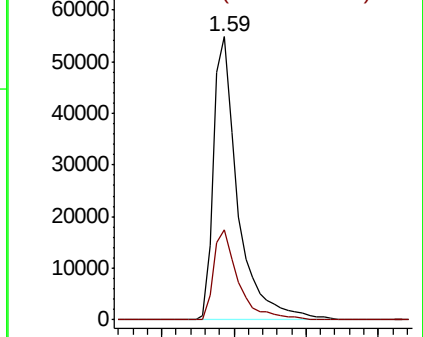
85 100

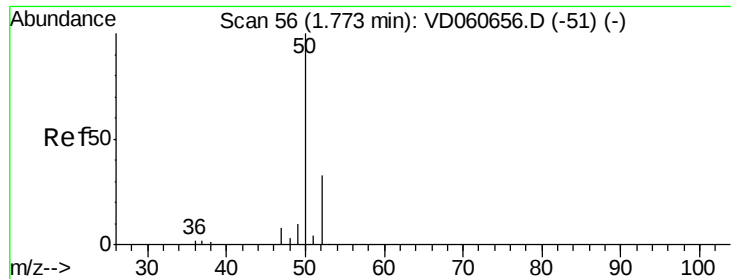
87 31.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 62.827 ug/l

RT: 1.75 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 50 Resp: 148546

Ion Ratio Lower Upper

50 100

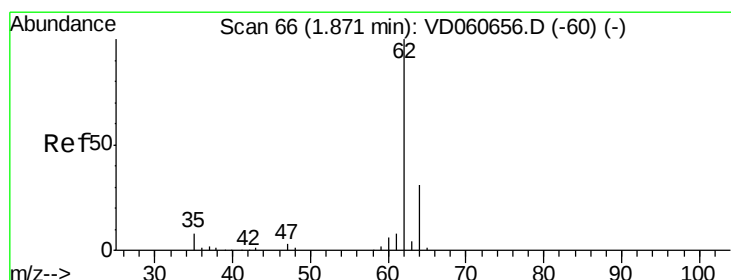
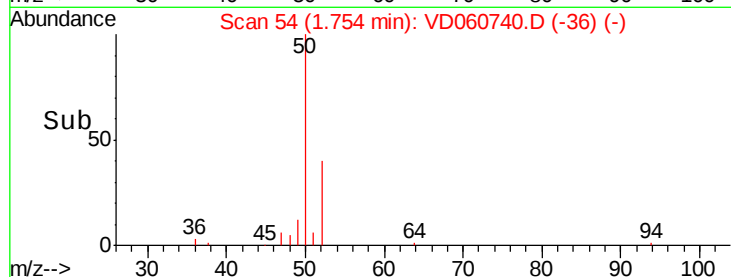
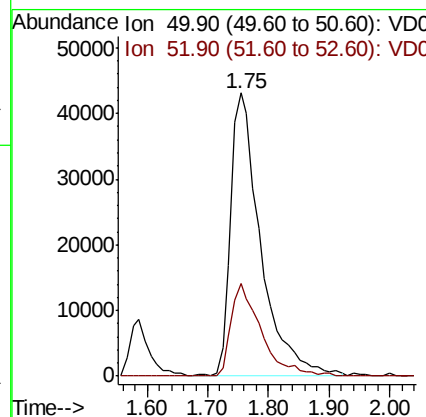
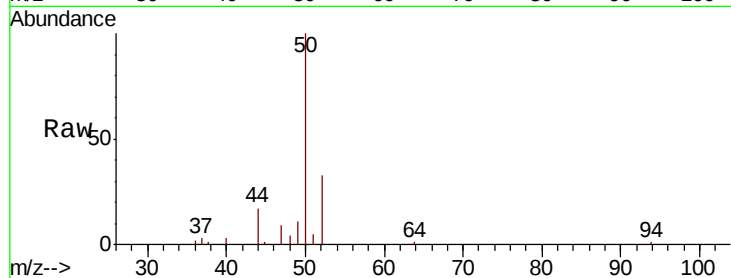
52 32.6 26.6 39.8

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#4

Vinyl Chloride

Concen: 54.256 ug/l

RT: 1.84 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060740.D

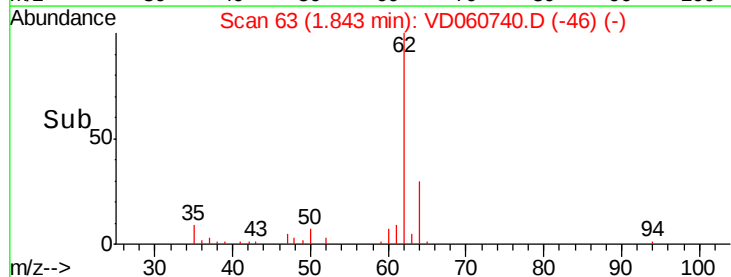
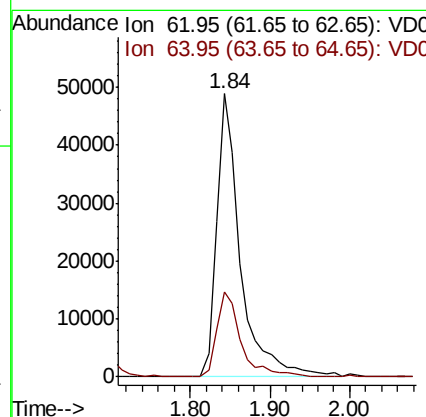
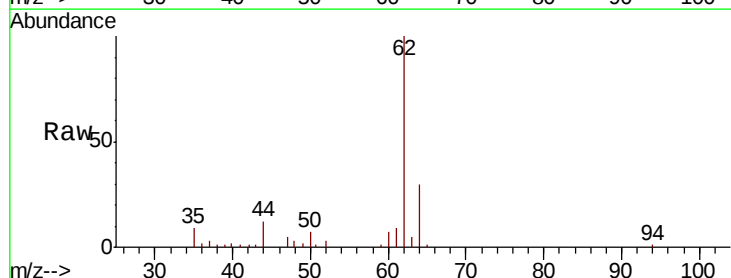
Acq: 27 Dec 2018 21:38

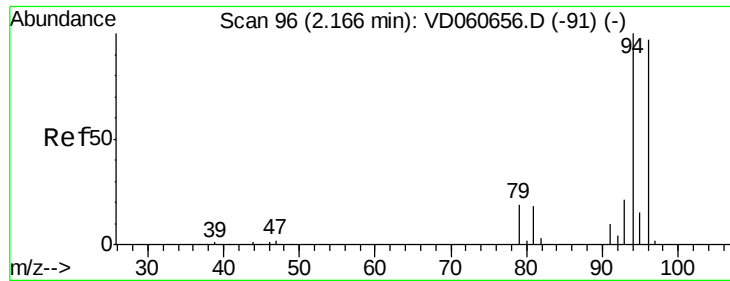
Tgt Ion: 62 Resp: 101847

Ion Ratio Lower Upper

62 100

64 30.0 25.0 37.6





#5

Bromomethane

Concen: 107.055 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

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ClientSampleId :

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Tot Ion: 94 Resp: 45015

Ion Ratio Lower Upper

94 100

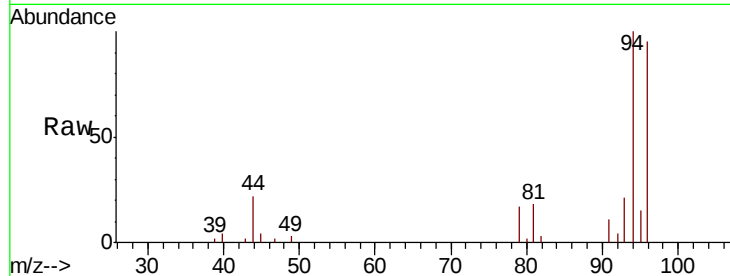
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Manual Integrations

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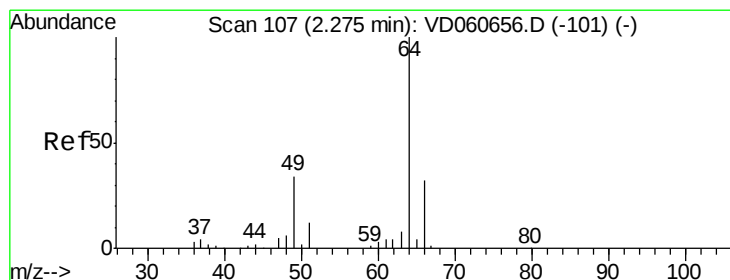
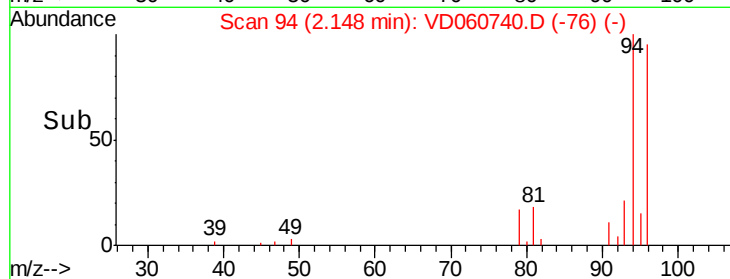
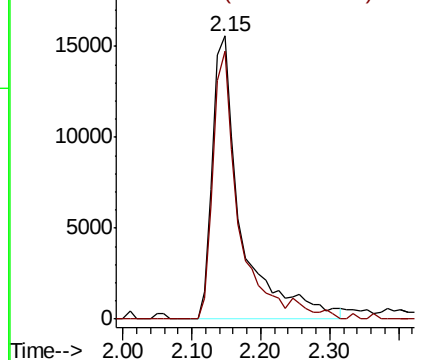
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 79.318 ug/l

RT: 2.25 min Scan# 104

Delta R.T. -0.03 min

Lab File: VD060740.D

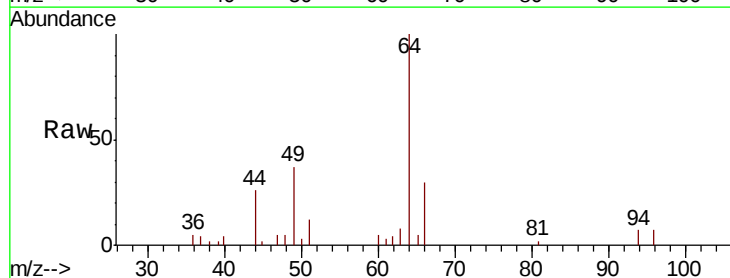
Acq: 27 Dec 2018 21:38

Tgt Ion: 64 Resp: 44434

Ion Ratio Lower Upper

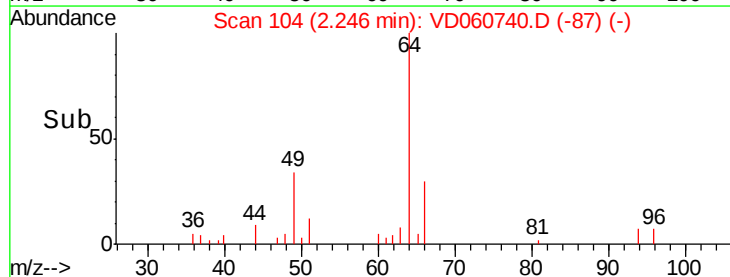
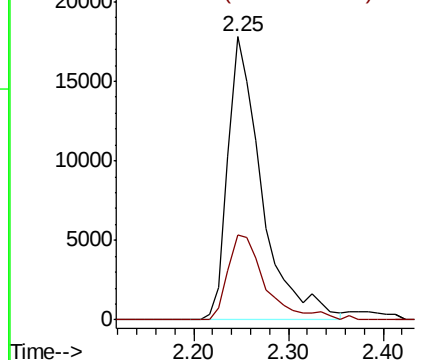
64 100

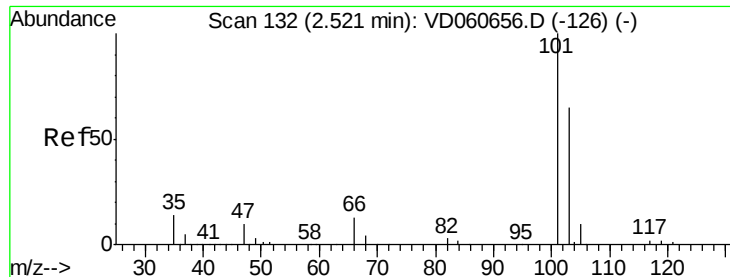
66 30.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

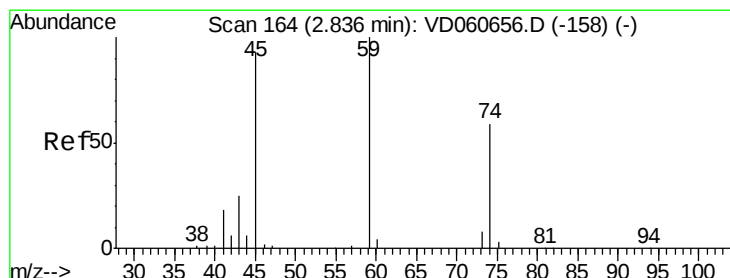
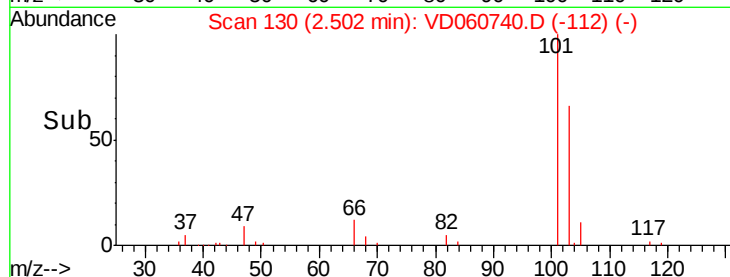
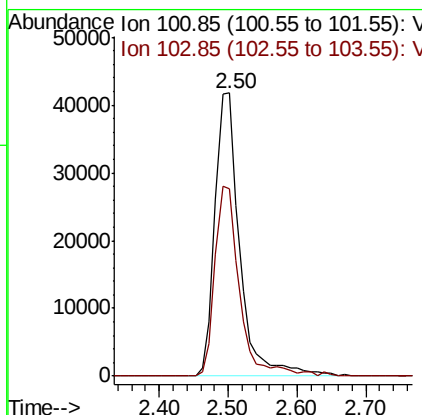
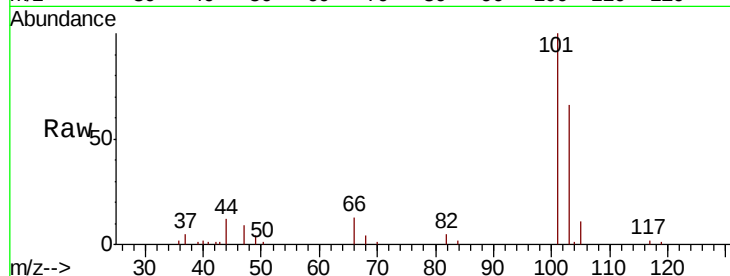
Trichlorofluoromethane
Concen: 50.098 ug/l
RT: 2.50 min Scan# 130
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.9	77.9

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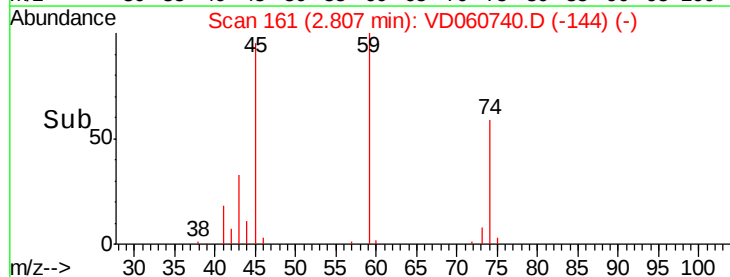
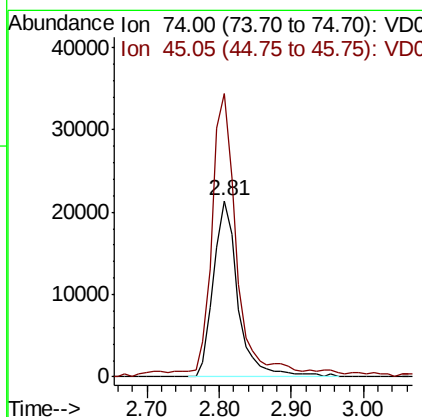
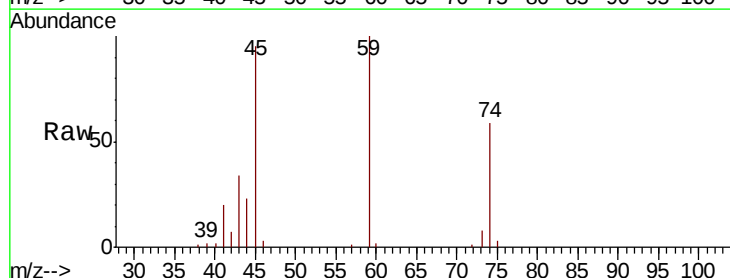
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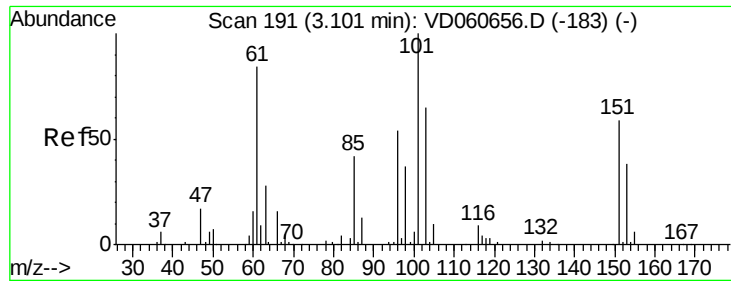


#8

Diethyl Ether
Concen: 143.556 ug/l
RT: 2.81 min Scan# 161
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	161.0	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.576 ug/l

RT: 3.07 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

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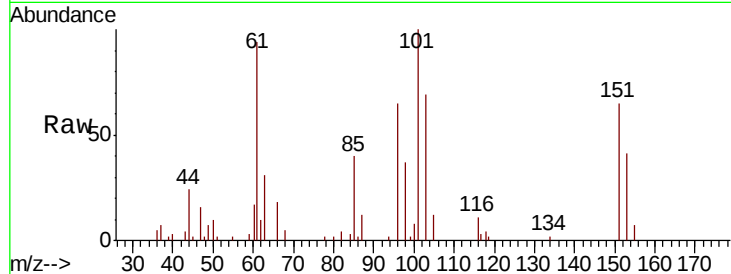
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P001-SS025-1218-01MS

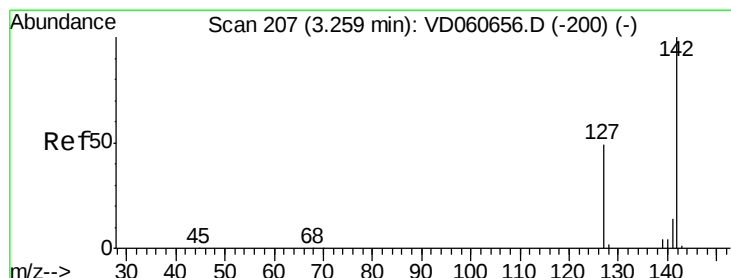
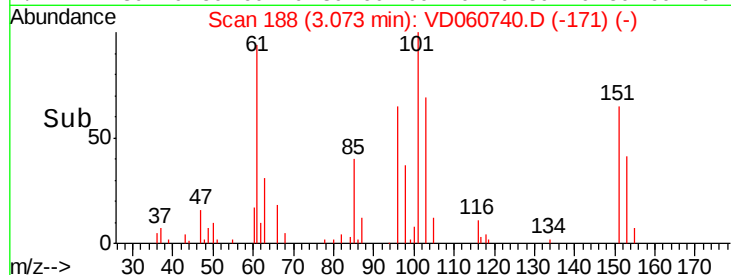
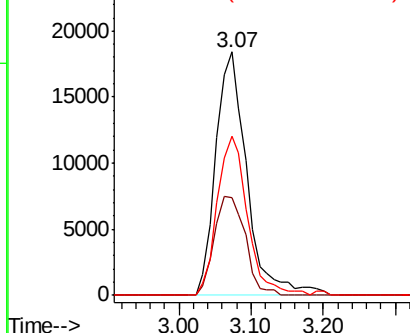
Tot Ion:	101	Resp:	54954
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.4	50.0
151	65.3	47.5	71.3

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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: 60.571 ug/l

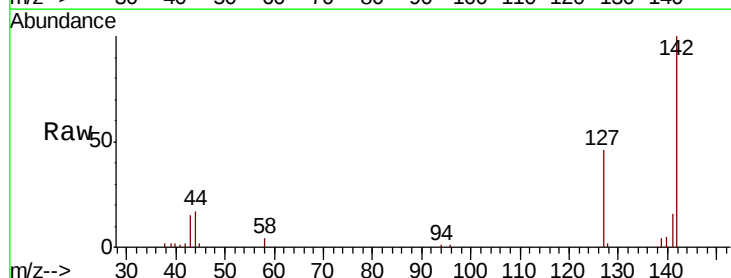
RT: 3.22 min Scan# 203

Delta R.T. -0.04 min

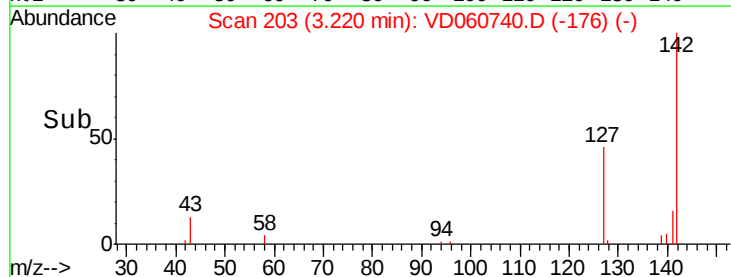
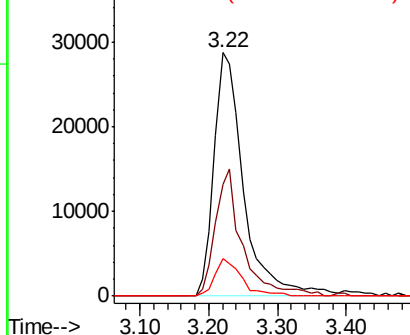
Lab File: VD060740.D

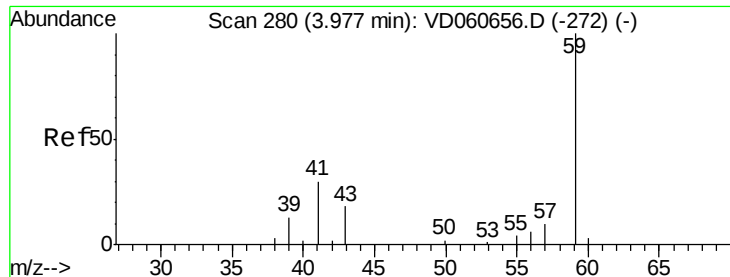
Acq: 27 Dec 2018 21:38

Tgt Ion:	142	Resp:	86214
Ion Ratio	Lower	Upper	
142	100		
127	46.1	39.5	59.3
141	15.5	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





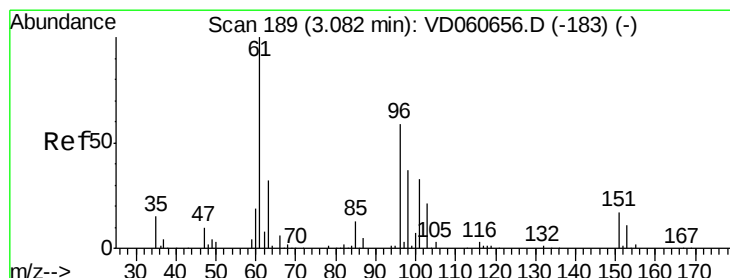
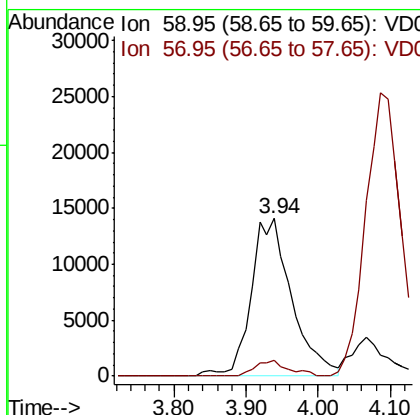
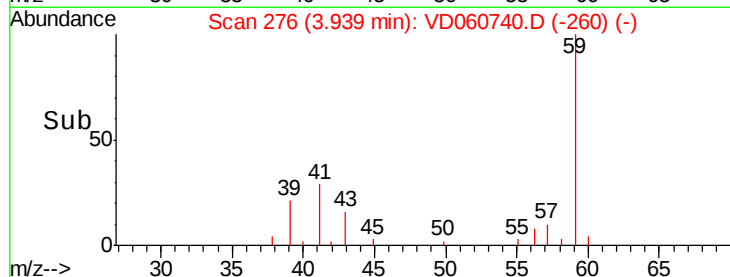
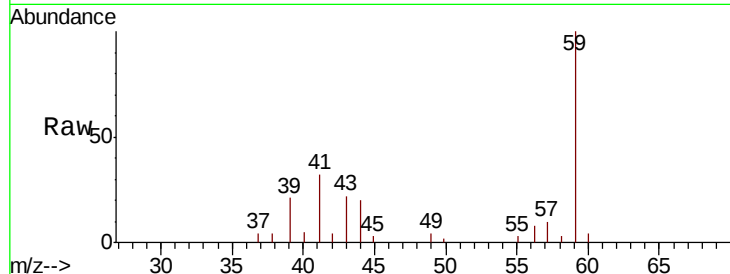
#11
Tert butyl alcohol
Concen: 949.022 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 59 Resp: 55109
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.6

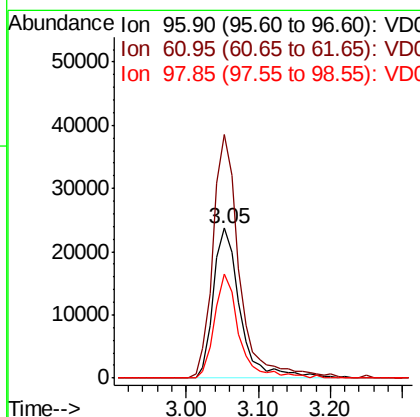
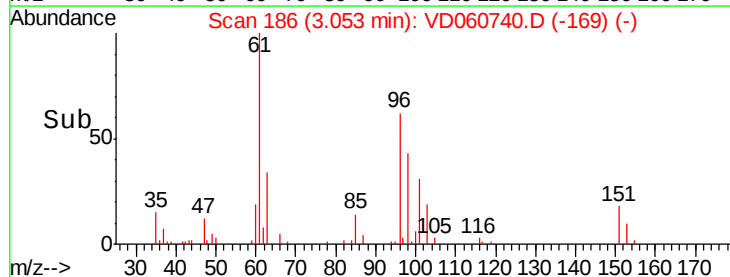
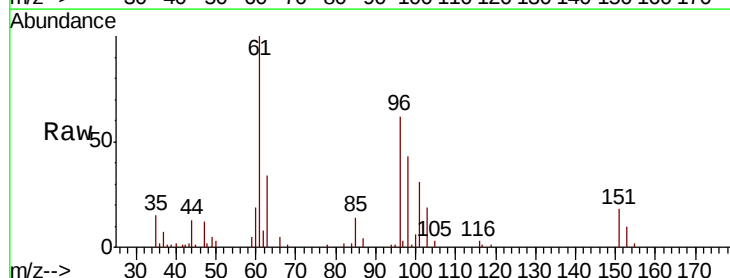
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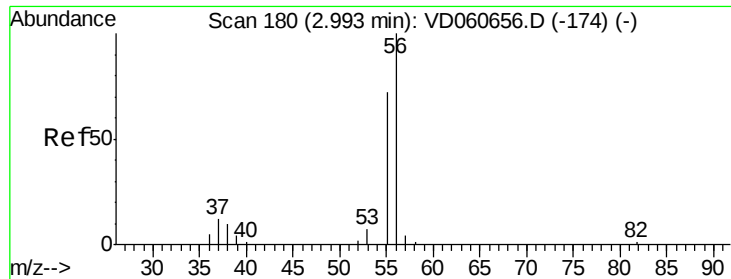
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#12
1,1-Dichloroethene
Concen: 54.653 ug/l
RT: 3.05 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion: 96 Resp: 60819
Ion Ratio Lower Upper
96 100
61 162.4 136.2 204.4
98 69.3 50.7 76.1





#13

Acrolein

Concen: 175.124 ug/l

RT: 2.96 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 56 Resp: 10363

Ion Ratio Lower Upper

56 100

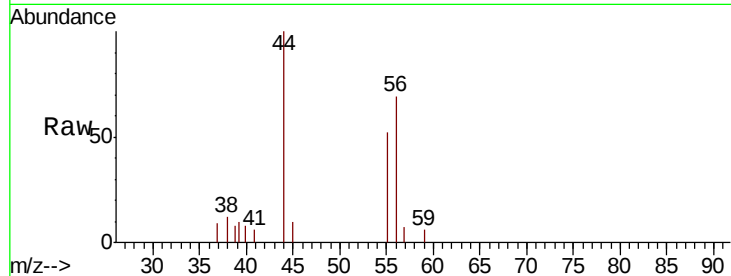
55 75.2 57.7 86.5

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

4000

3000

2000

1000

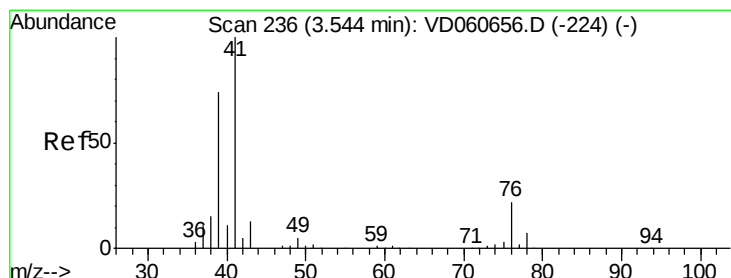
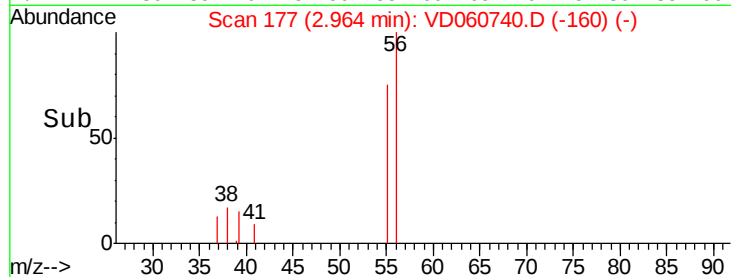
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 73.983 ug/l

RT: 3.51 min Scan# 232

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

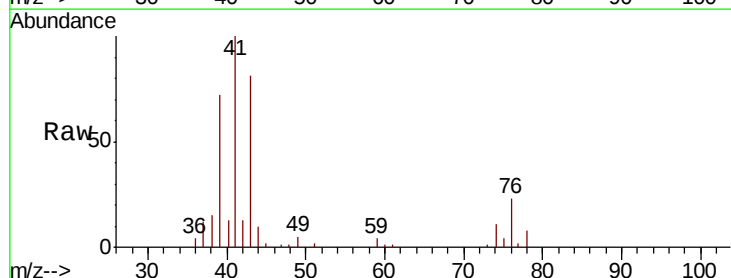
Tgt Ion: 41 Resp: 151070

Ion Ratio Lower Upper

41 100

39 72.0 59.6 89.4

76 23.3 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

60000

40000

20000

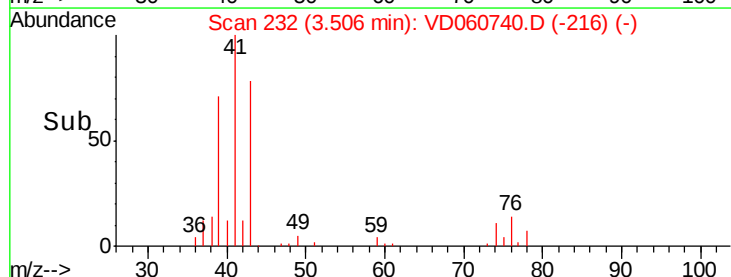
0

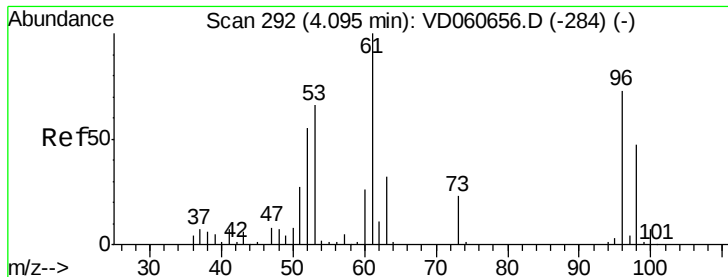
Time-->

3.40

3.50

3.60





#15

Acrylonitrile

Concen: 923.478 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

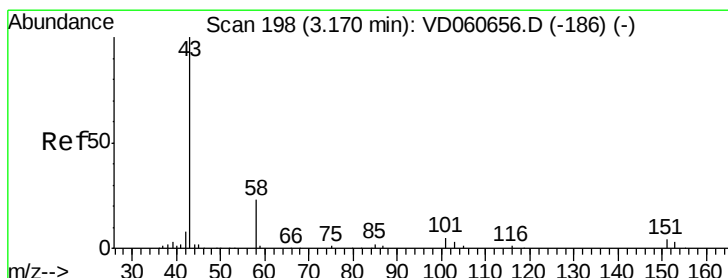
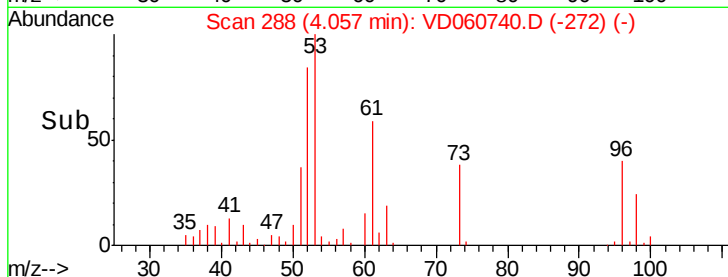
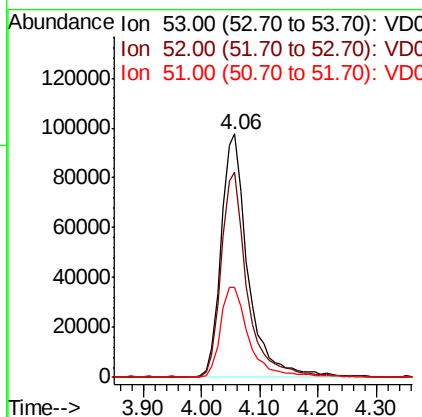
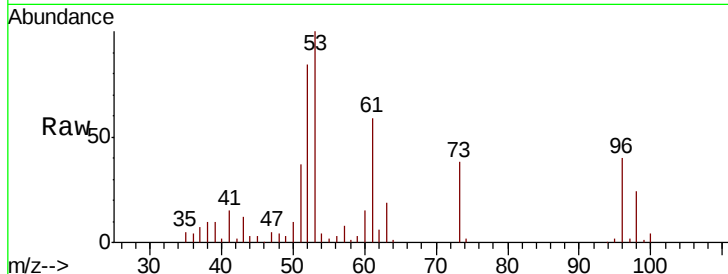
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	53	Resp:	311331
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.7	100.1
51	37.2	32.7	49.1

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#16

Acetone

Concen: 1114.484 ug/l

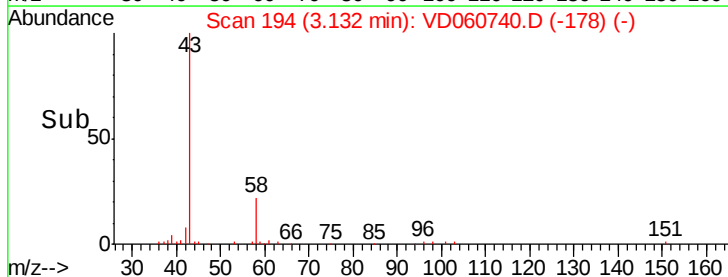
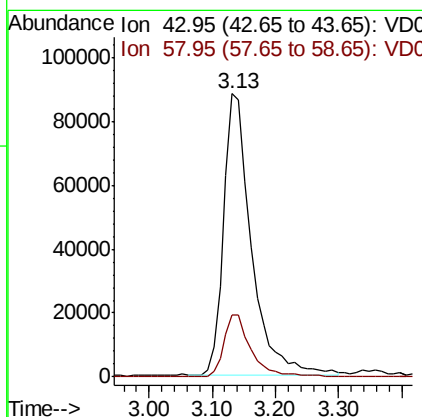
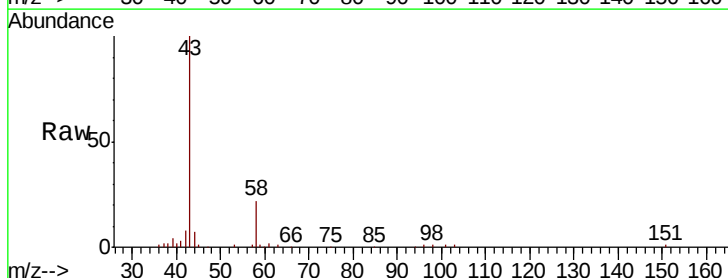
RT: 3.13 min Scan# 194

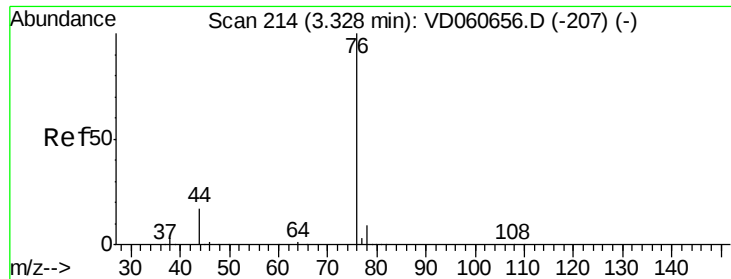
Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	43	Resp:	270432
Ion	Ratio	Lower	Upper
43	100		
58	22.1	18.2	27.2





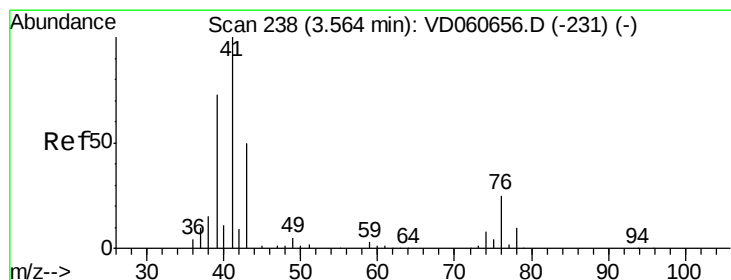
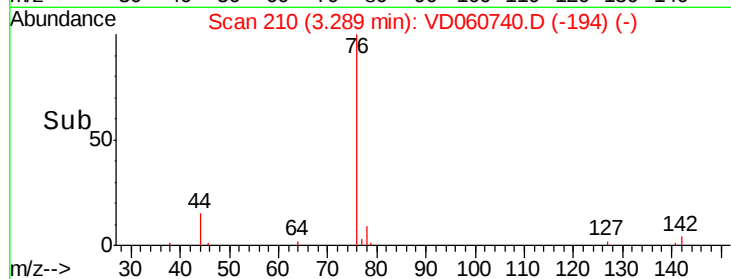
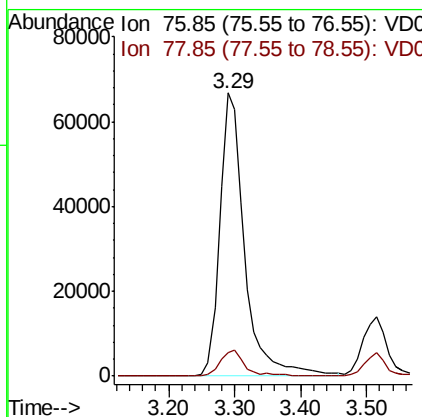
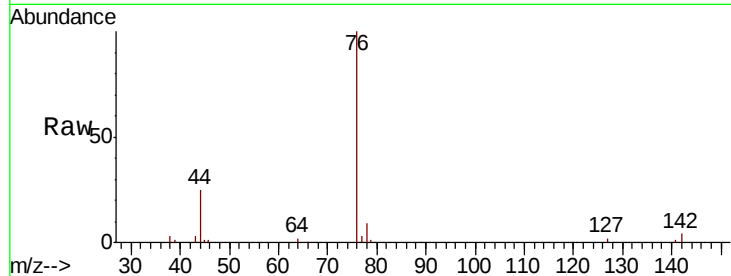
#17
Carbon Disulfide
Concen: 49.153 ug/l
RT: 3.29 min Scan# 210
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

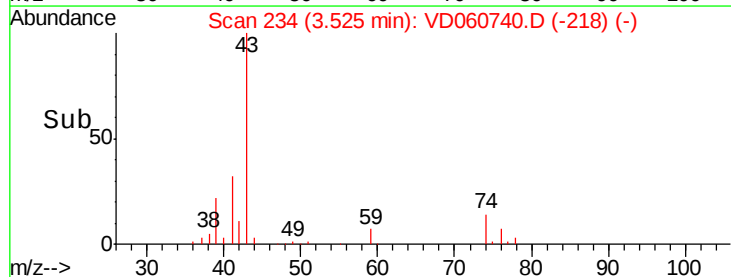
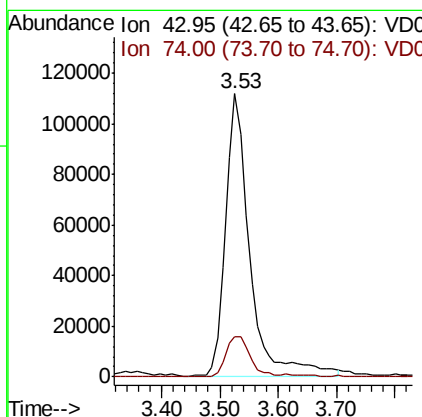
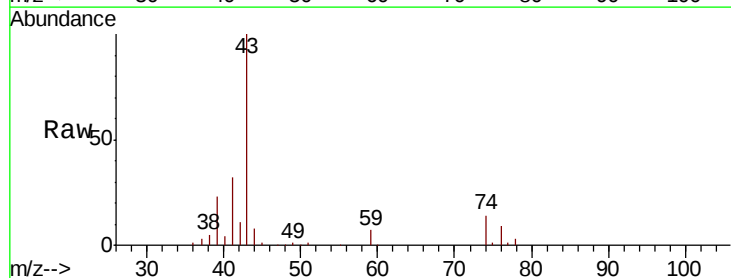
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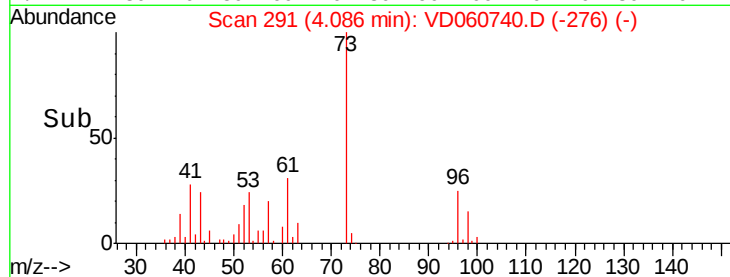
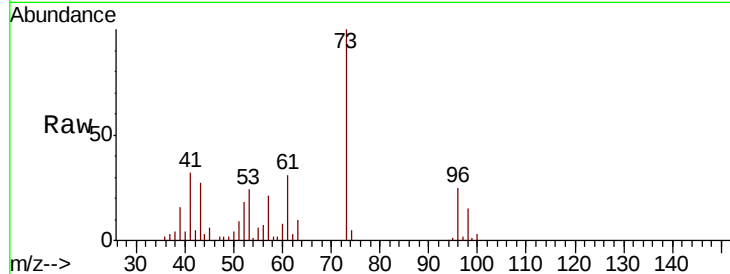
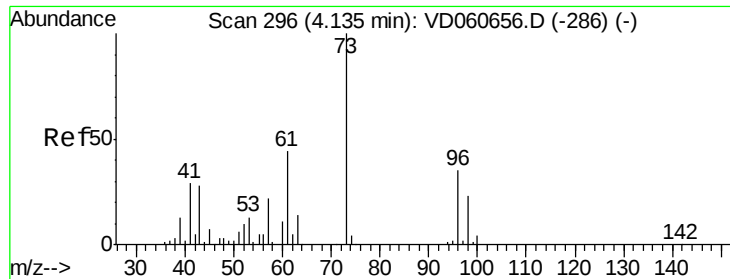
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#18
Methyl Acetate
Concen: 544.896 ug/l
RT: 3.53 min Scan# 234
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.2	12.4	18.6





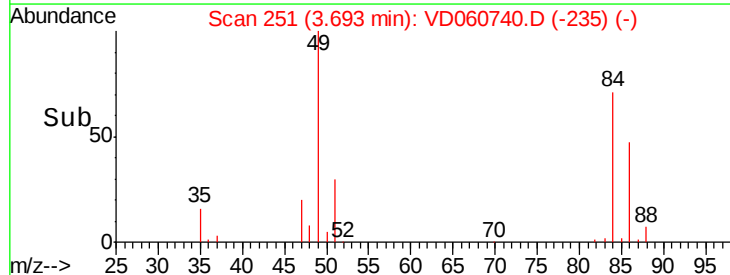
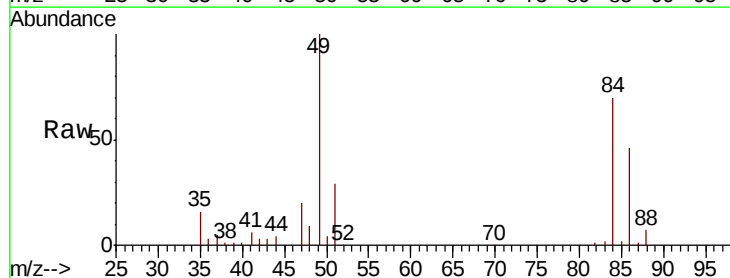
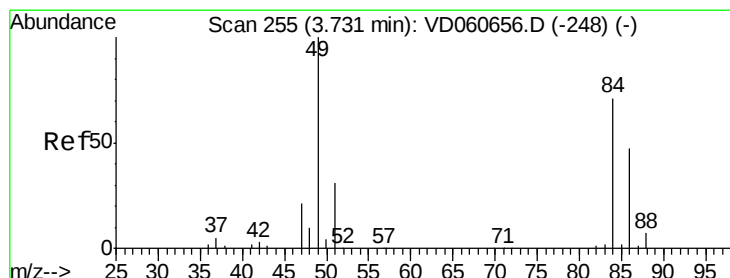
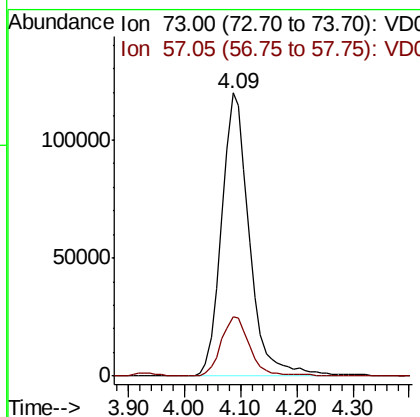
#19
Methyl tert-butyl Ether
Concen: 146.545 ug/l
RT: 4.09 min Scan# 291
Delta R.T. -0.05 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tot Ion: 73 Resp: 413738
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

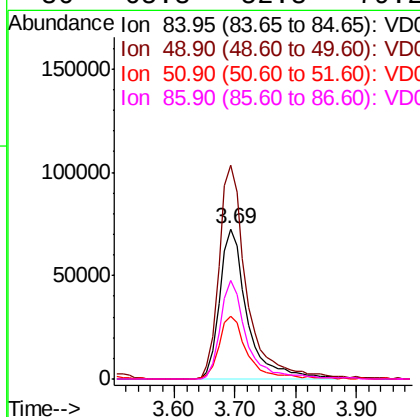
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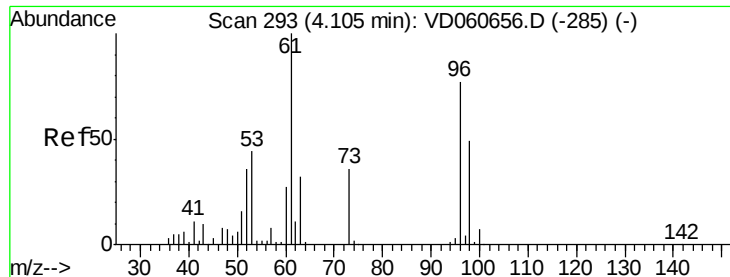
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#20
Methylene Chloride
Concen: 90.763 ug/l
RT: 3.69 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion: 84 Resp: 228723
Ion Ratio Lower Upper
84 100
49 142.2 113.6 170.4
51 41.8 34.7 52.1
86 65.8 52.8 79.2





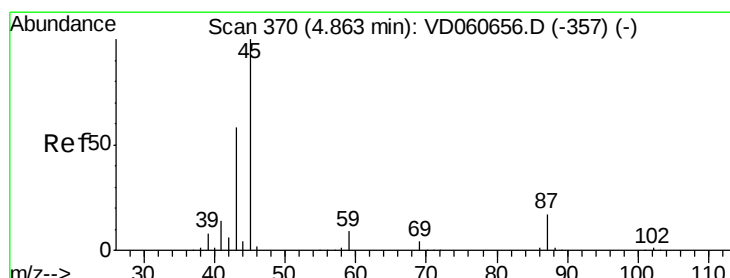
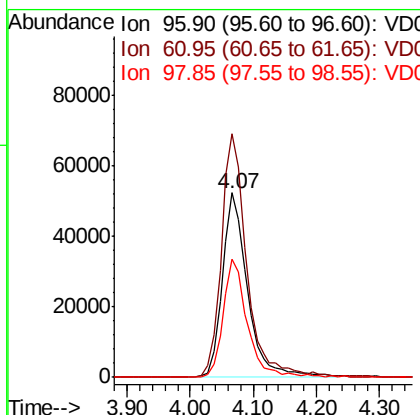
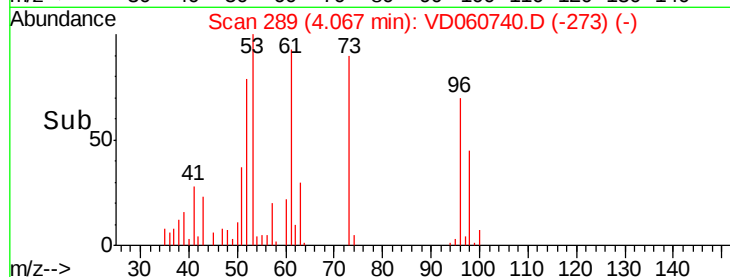
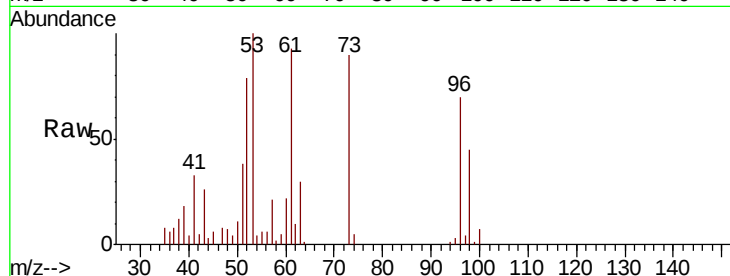
#21
trans-1,2-Dichloroethene
Concen: 63.458 ug/l
RT: 4.07 min Scan# 289
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	104.2	156.2
98	63.8	51.2	76.8

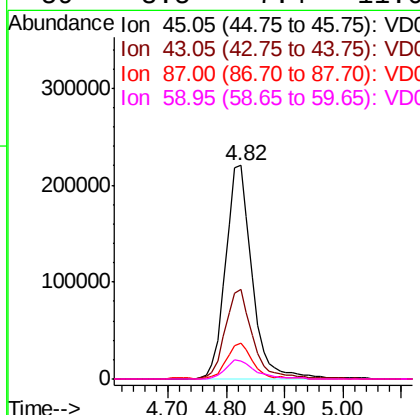
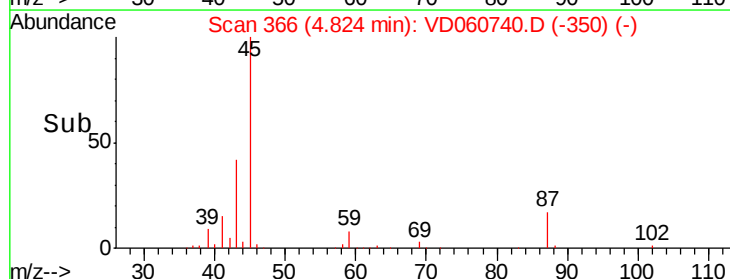
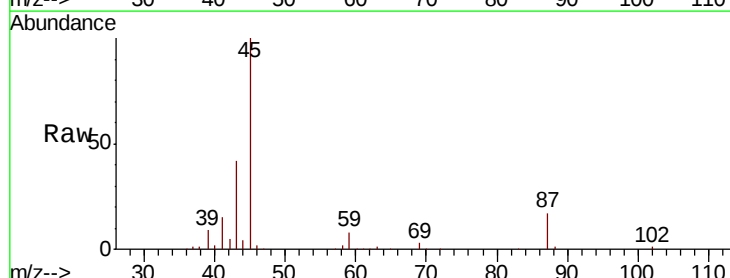
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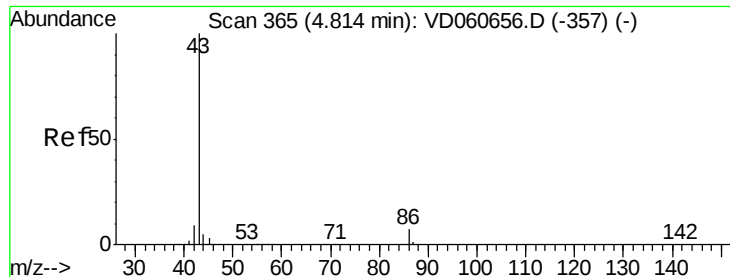
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#22
Diisopropyl ether
Concen: 100.637 ug/l
RT: 4.82 min Scan# 366
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	41.8	46.1	69.1#
87	16.9	13.7	20.5
59	8.5	7.4	11.0





#23

Vinyl Acetate

Concen: 89.782 ug/l

RT: 4.82 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 43 Resp: 301147

Ion Ratio Lower Upper

43 100

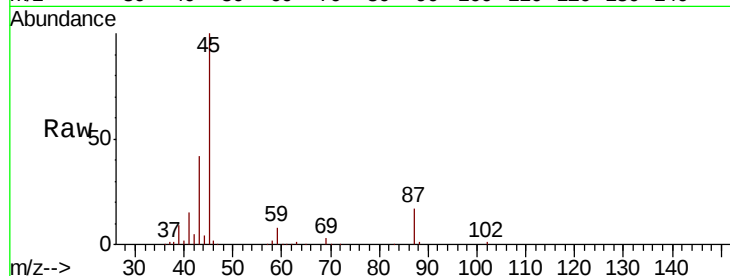
86 0.0 5.6 8.4#

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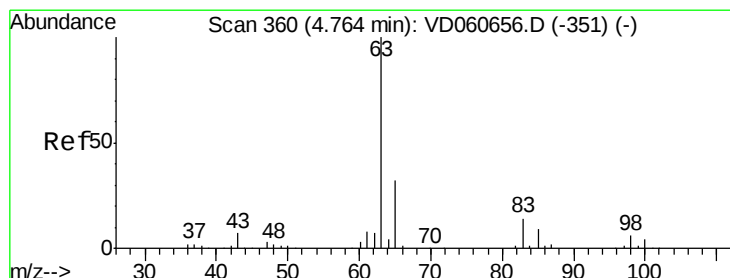
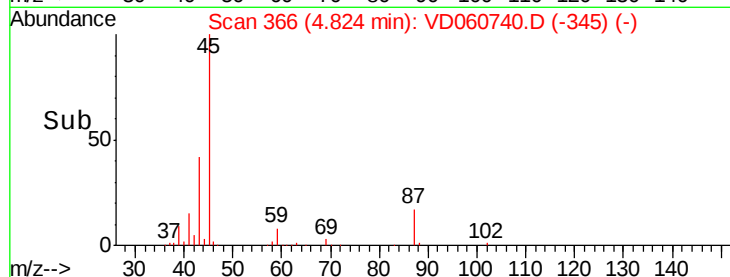
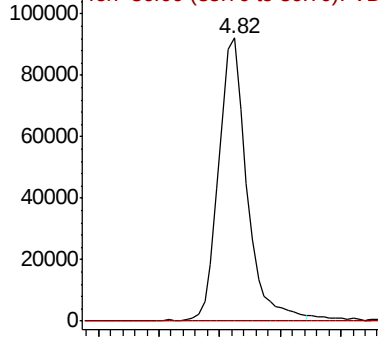
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 74.589 ug/l

RT: 4.73 min Scan# 356

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

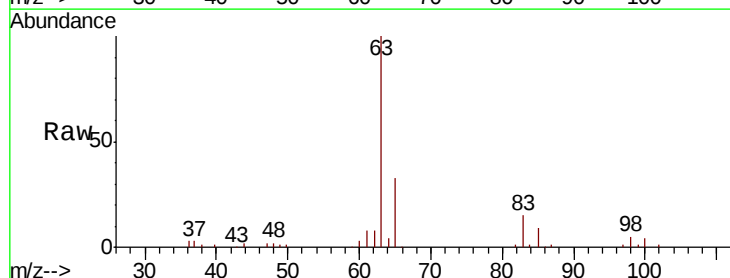
Tgt Ion: 63 Resp: 272004

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

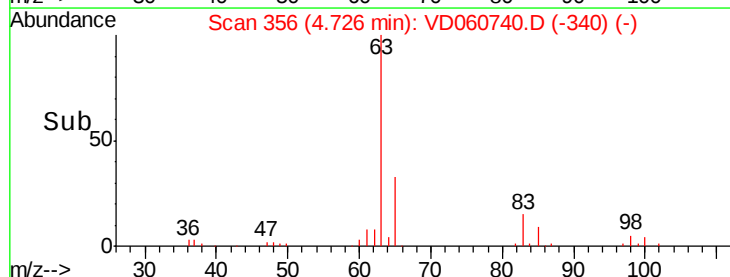
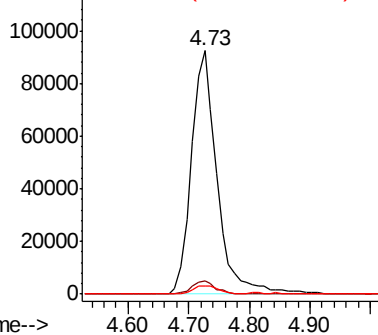
100 3.6 2.0 5.8

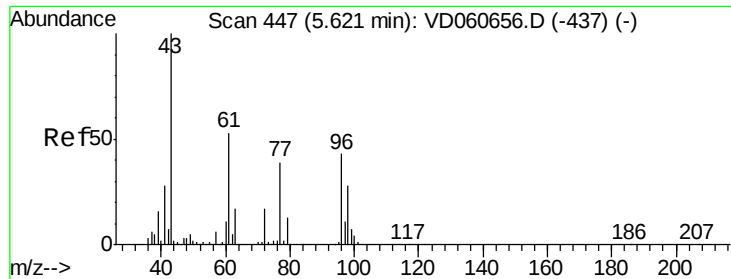


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 884.585 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 43 Resp: 410742

Ion Ratio Lower Upper

43 100

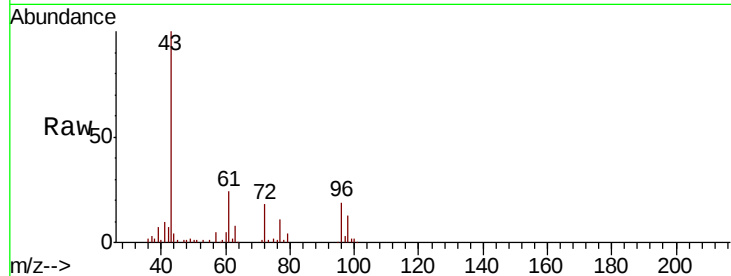
72 17.6 13.7 20.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

50000

0

5.50

5.55

5.60

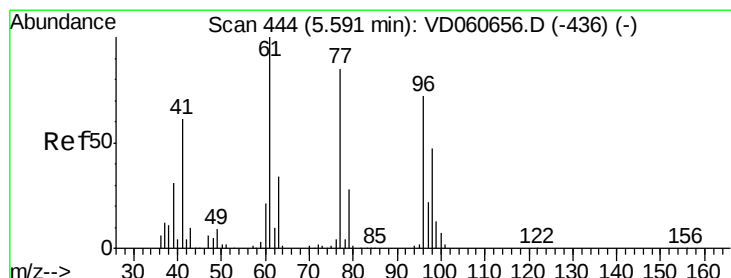
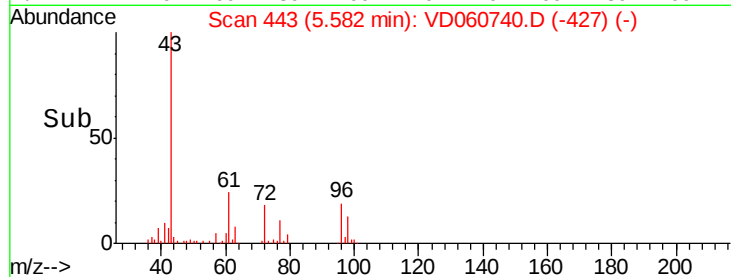
5.65

5.70

5.75

5.80

Time-->



#26

2,2-Dichloropropane

Concen: 54.379 ug/l

RT: 5.55 min Scan# 440

Delta R.T. -0.04 min

Lab File: VD060740.D

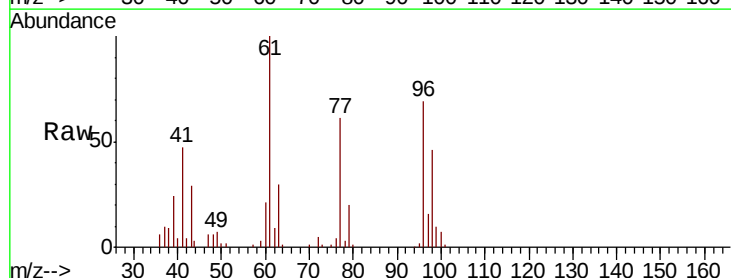
Acq: 27 Dec 2018 21:38

Tgt Ion: 77 Resp: 156533

Ion Ratio Lower Upper

77 100

97 26.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

60000

50000

40000

30000

20000

10000

0

5.40

5.45

5.50

5.55

5.60

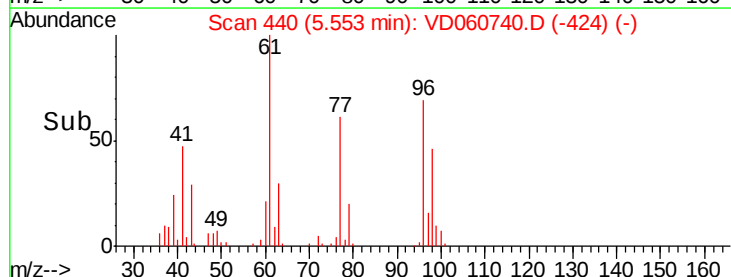
5.65

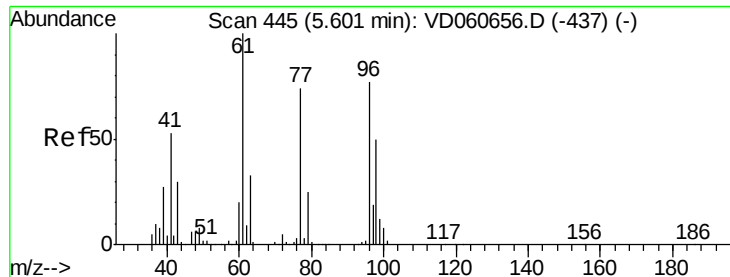
5.70

5.75

5.80

Time-->





#27

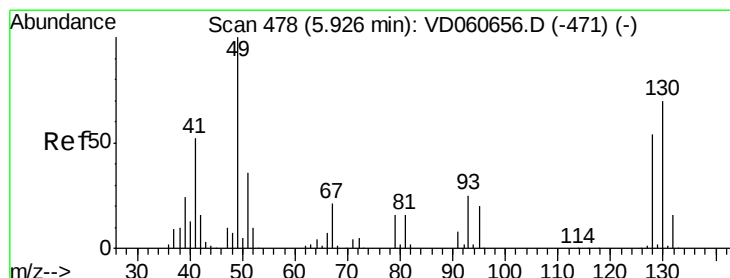
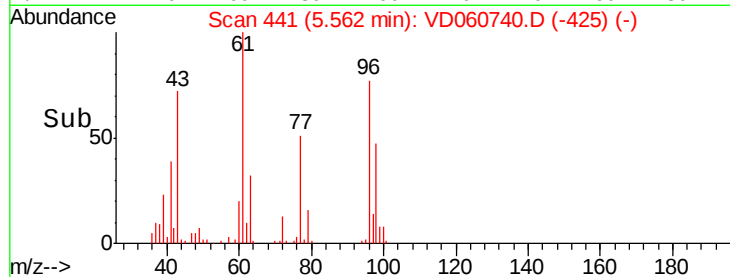
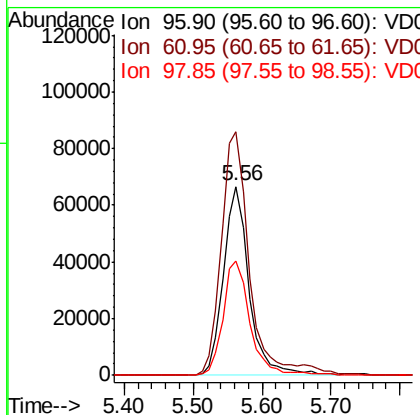
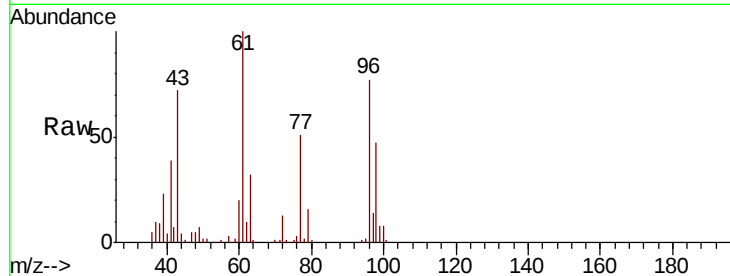
cis-1,2-Dichloroethene
 Concen: 74.151 ug/l
 RT: 5.56 min Scan# 441
 Delta R.T. -0.04 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171548		
61	129.1	0.0	259.4	
98	60.3	0.0	130.0	

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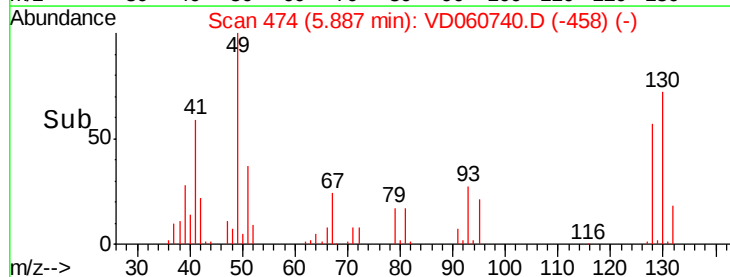
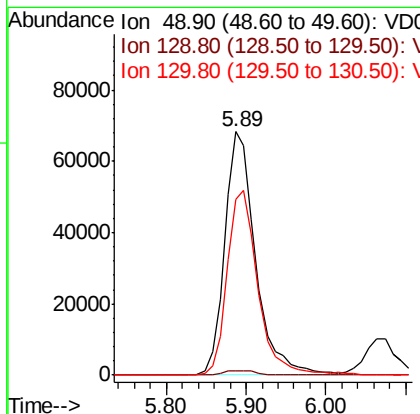
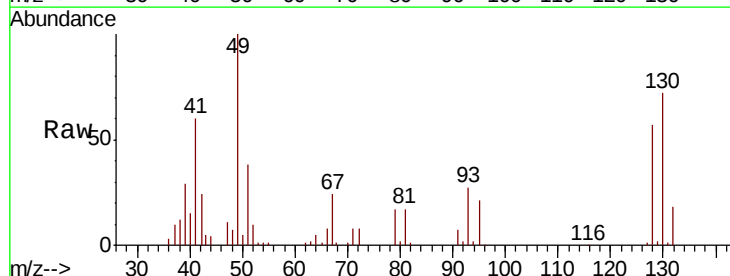
apatel
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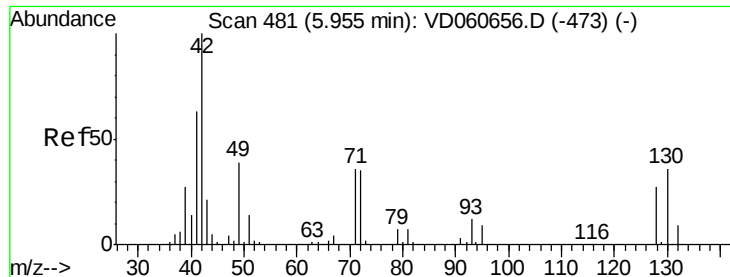


#28

Bromochloromethane
 Concen: 120.233 ug/l
 RT: 5.89 min Scan# 474
 Delta R.T. -0.04 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	185228		
129	2.0	0.0	3.4	
130	72.2	56.2	84.2	





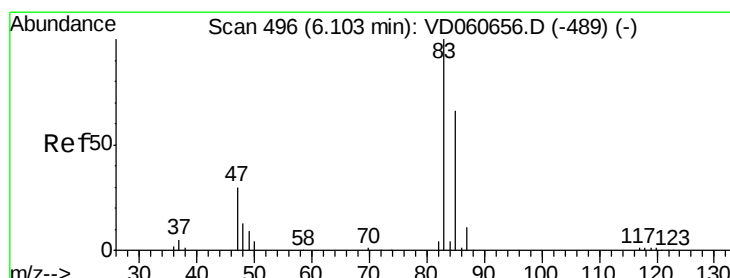
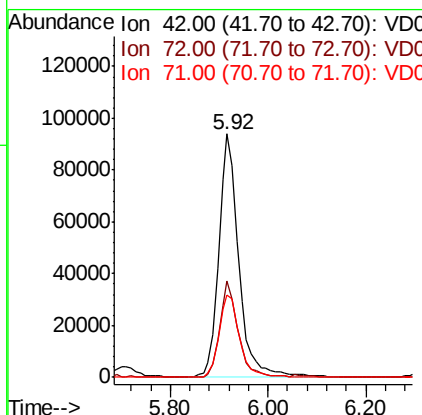
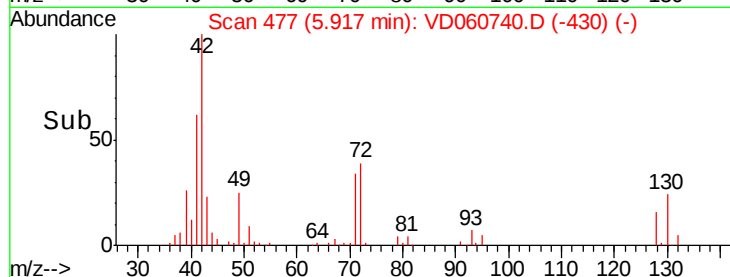
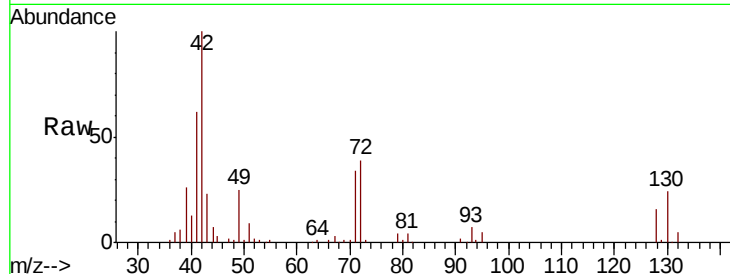
#29
Tetrahydrofuran
Concen: 1017.661 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.0	42.0
71	34.4	27.0	40.6

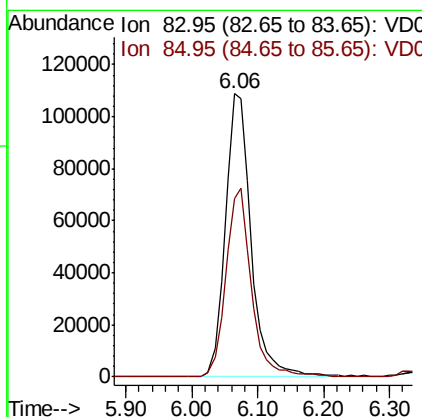
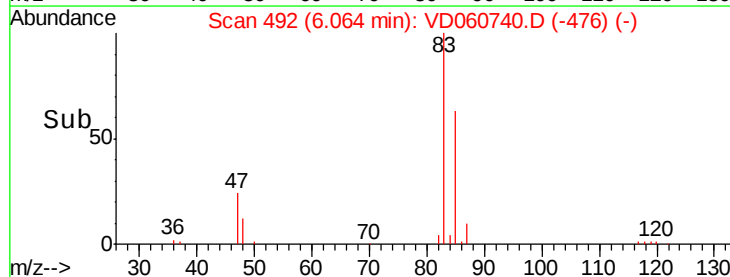
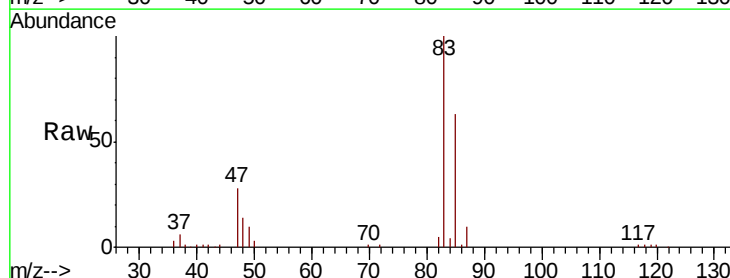
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APPROVED

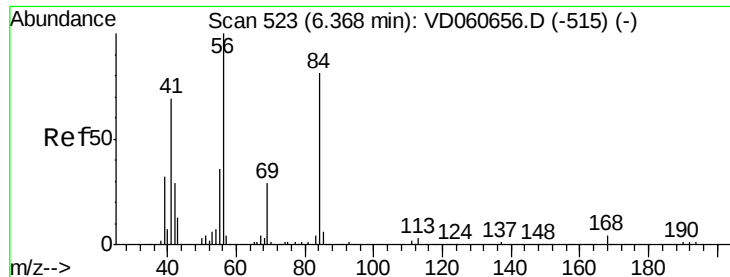
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#30
Chloroform
Concen: 80.957 ug/l
RT: 6.06 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.0	79.6





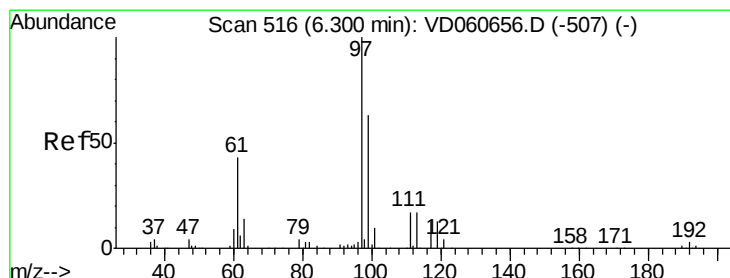
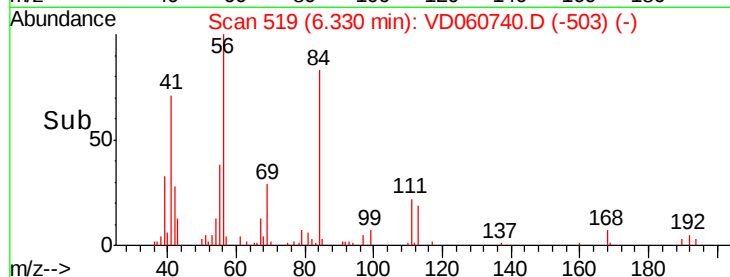
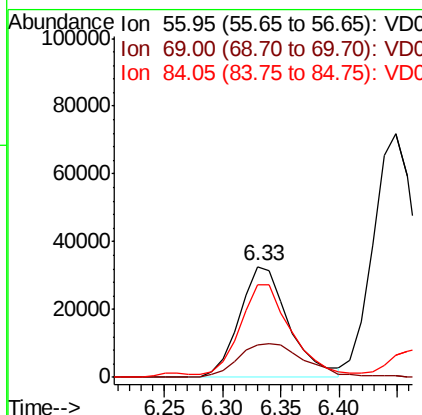
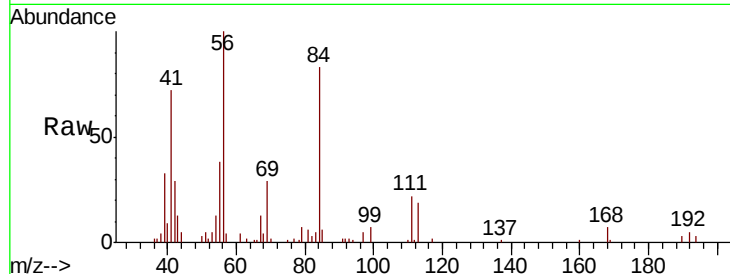
#31
Cvclohexane
Concen: 27.355 ug/l
RT: 6.33 min Scan# 519
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.6	35.4
84	83.1	65.8	98.6

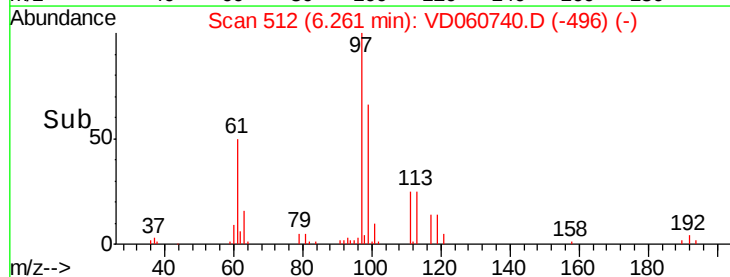
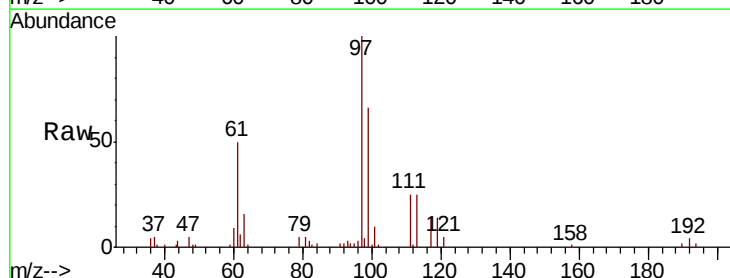
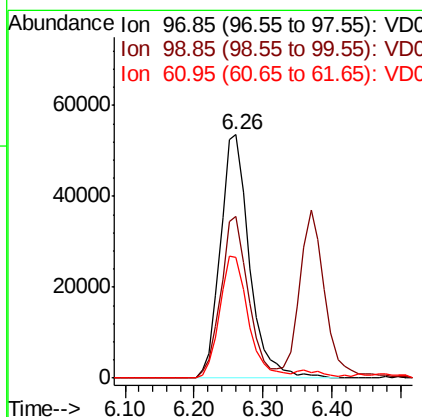
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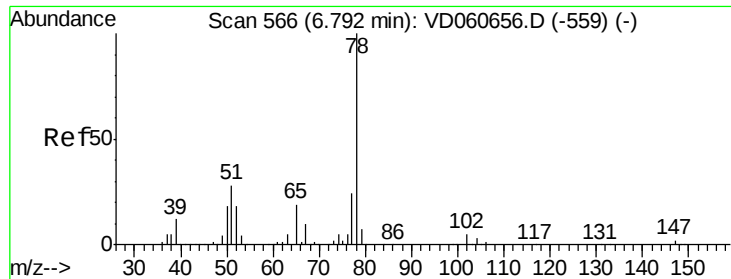
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#32
1,1,1-Trichloroethane
Concen: 51.609 ug/l
RT: 6.26 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.5	75.7
61	49.5	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 51.609 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 65 Resp: 168719

Ion Ratio Lower Upper

65 100

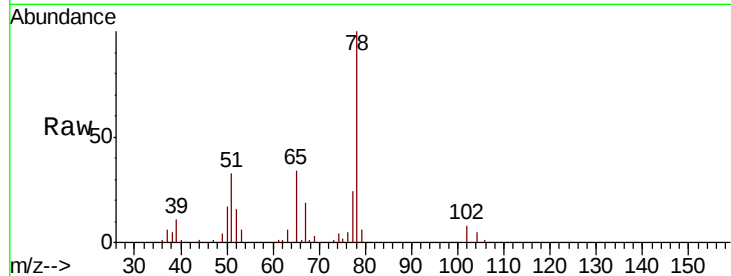
67 56.3 0.0 105.4

Manual Integrations

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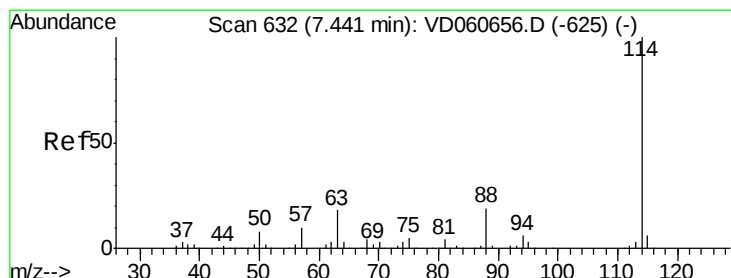
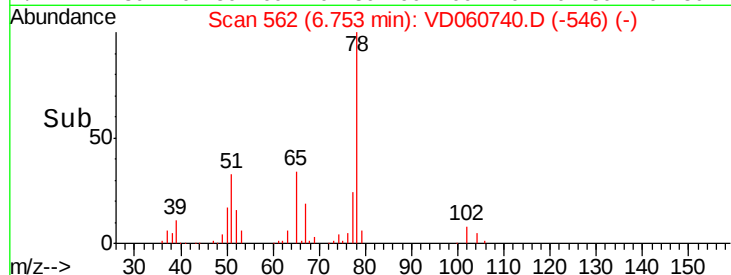
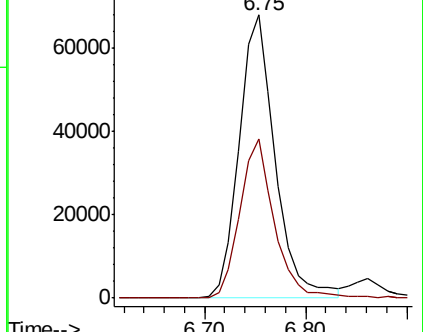
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.41 min Scan# 629

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

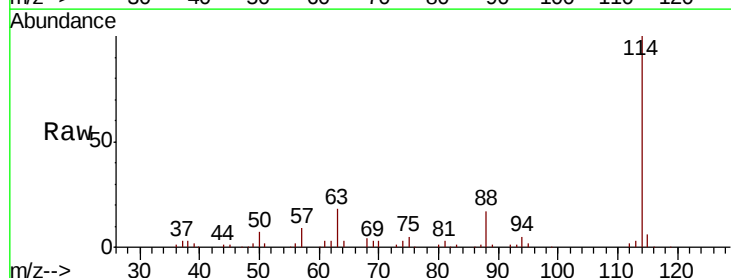
Tgt Ion: 114 Resp: 301679

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.2

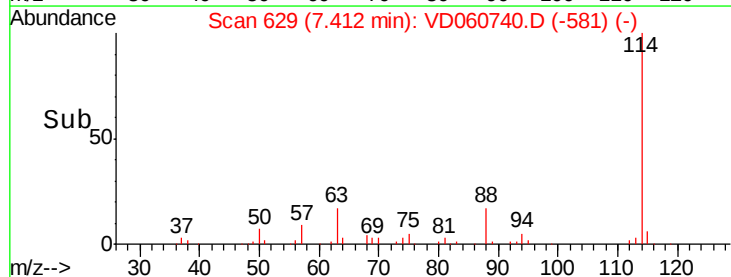
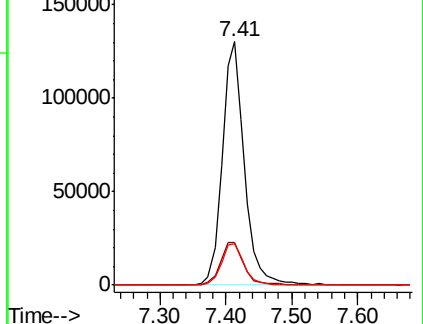
88 16.8 0.0 37.0

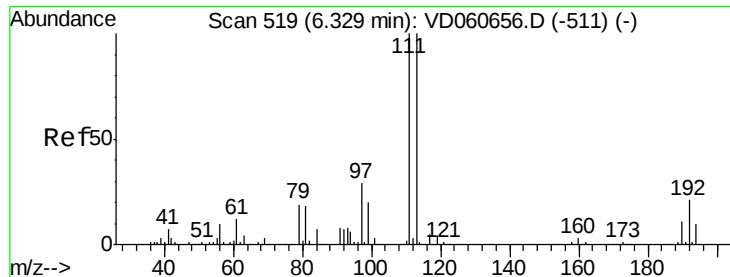


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 515

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

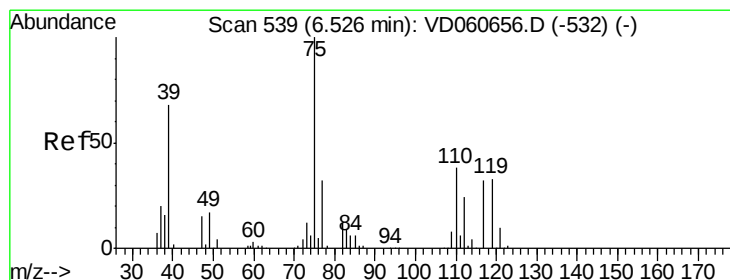
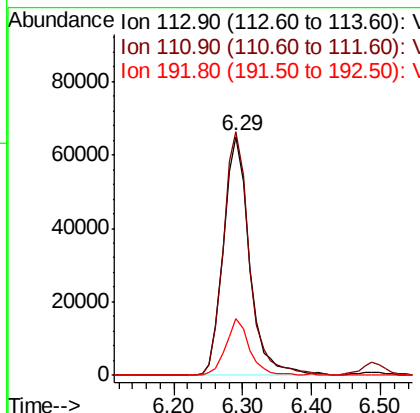
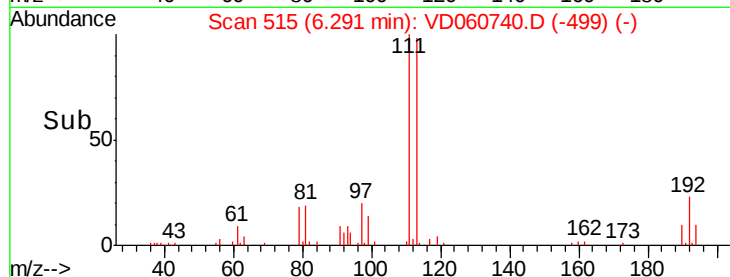
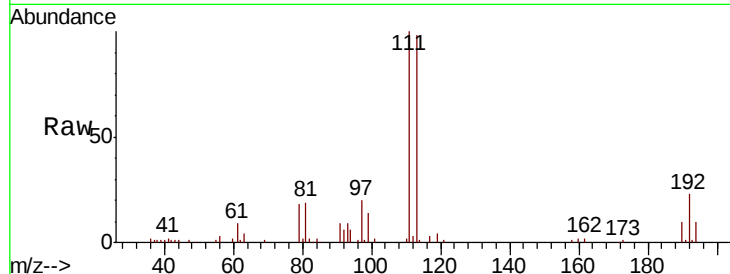
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	113	Resp:	170644
Ion Ratio	Lower	Upper	
113	100		
111	102.1	80.0	120.0
192	23.5	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 43.568 ug/l

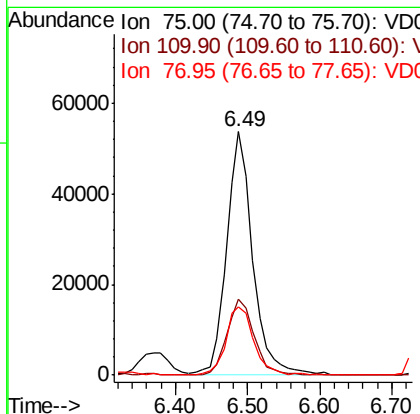
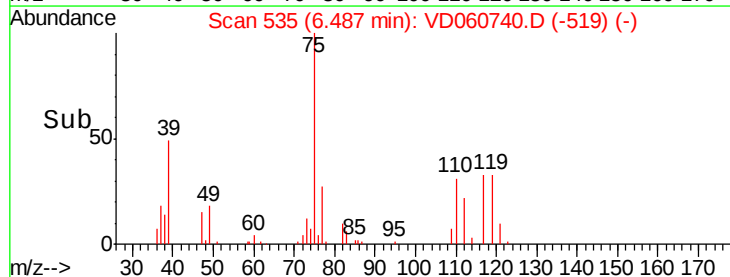
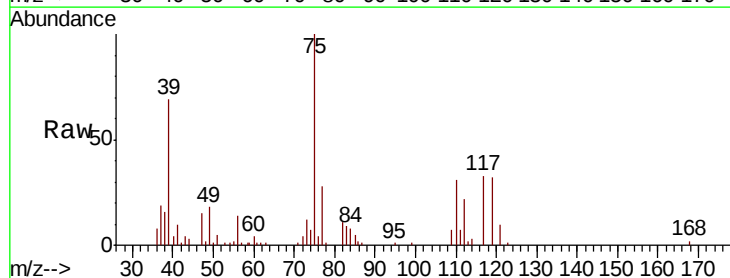
RT: 6.49 min Scan# 535

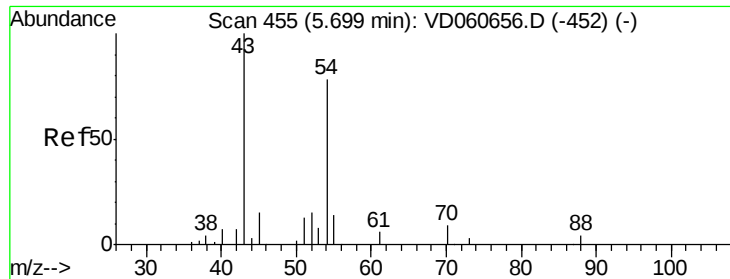
Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	75	Resp:	135342
Ion Ratio	Lower	Upper	
75	100		
110	31.1	18.9	56.7
77	28.0	25.4	38.0





#37

Ethyl Acetate

Concen: 54.241 ug/l

RT: 5.66 min Scan# 451

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

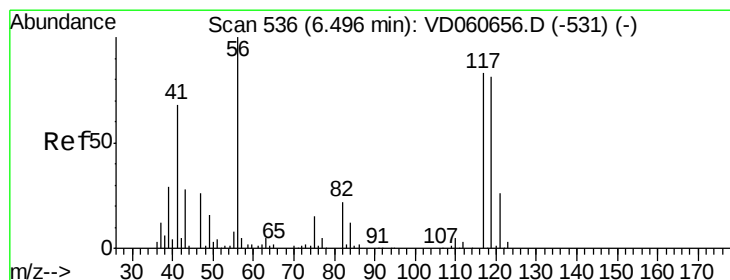
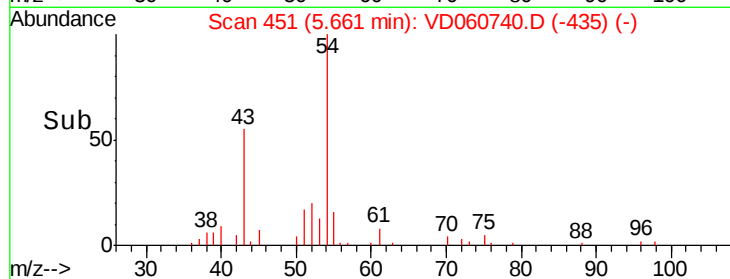
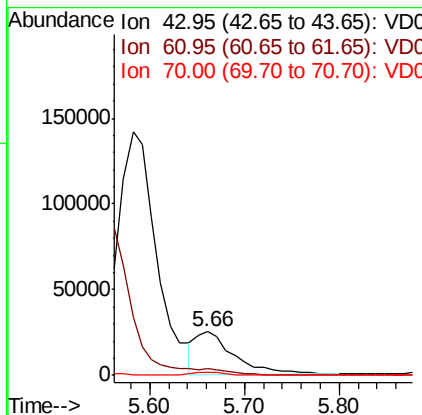
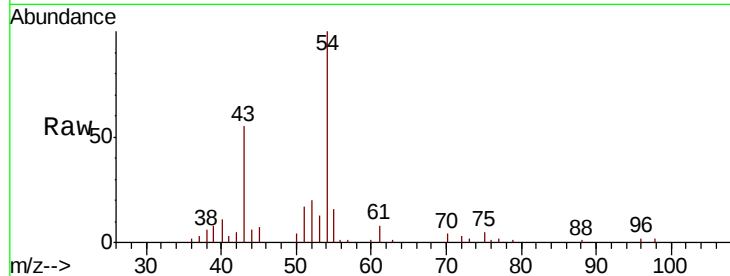
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	43	Resp:	70470
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	6.5	5.8	8.6

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#38

Carbon Tetrachloride

Concen: 41.933 ug/l

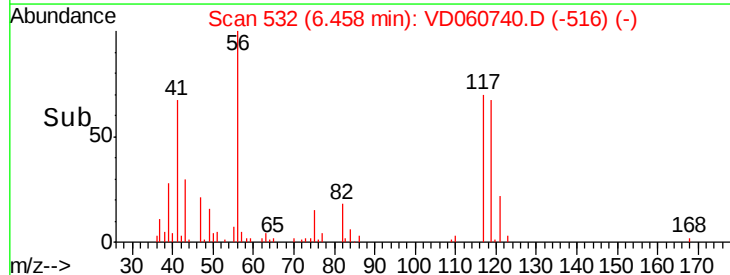
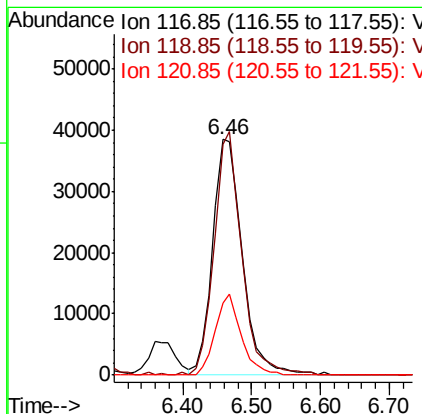
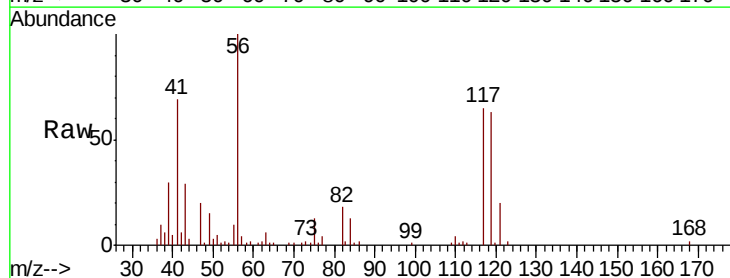
RT: 6.46 min Scan# 532

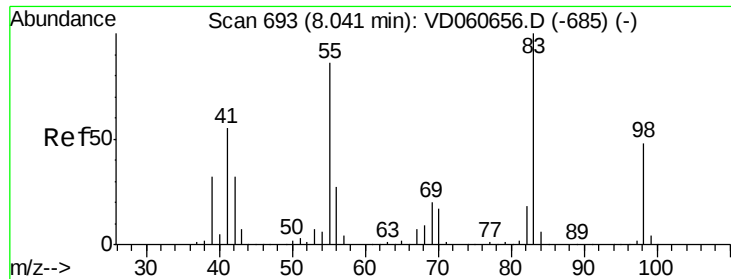
Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	117	Resp:	114920
Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.0	115.4
121	30.4	24.7	37.1





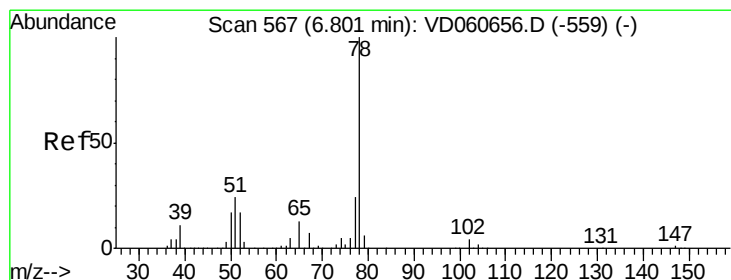
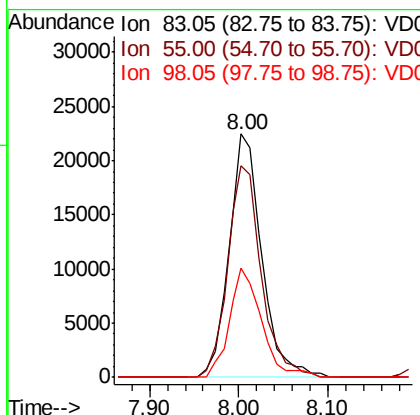
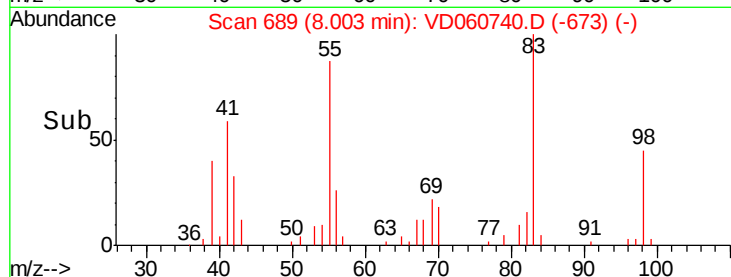
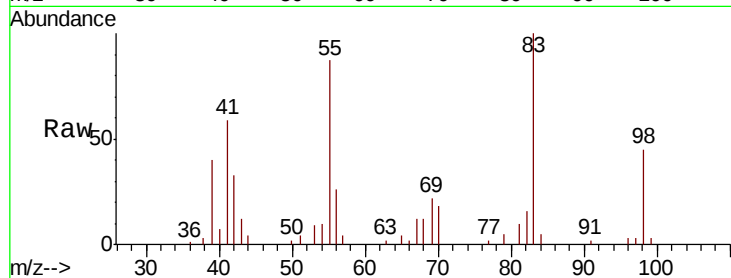
#39
Methvlcvclohexane
Concen: 16.216 ug/l
RT: 8.00 min Scan# 689
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 83 Resp: 57451
Ion Ratio Lower Upper
83 100
55 86.8 68.6 102.8
98 44.9 38.1 57.1

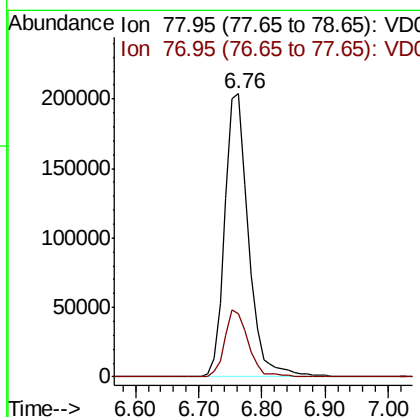
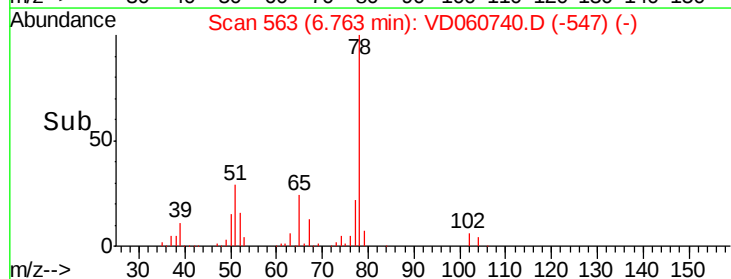
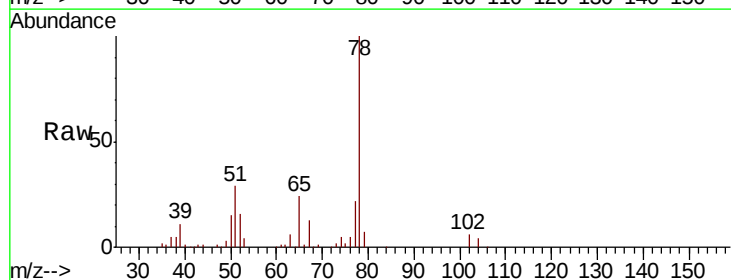
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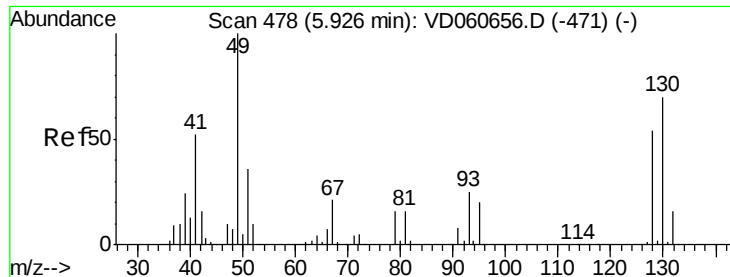
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#40
Benzene
Concen: 66.008 ug/l
RT: 6.76 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion: 78 Resp: 529658
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8





#41

Methacrylonitrile

Concen: 195.577 ug/l m

RT: 5.92 min Scan# 477

Delta R.T. -0.01 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 41 Resp: 140549
Ion Ratio Lower Upper

41 100

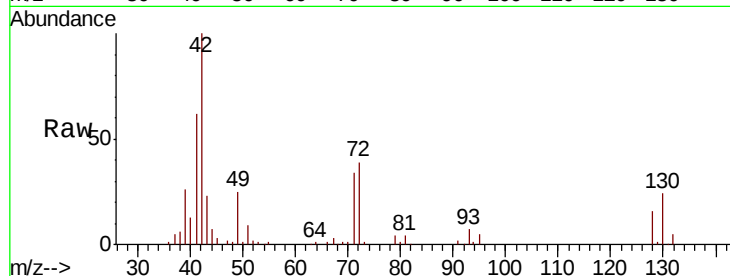
39 42.2 37.6 56.4

67 5.4 33.0 49.6#

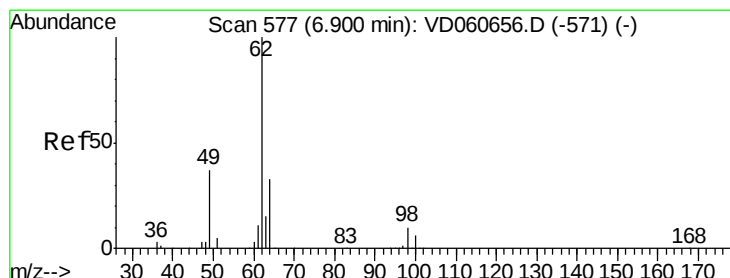
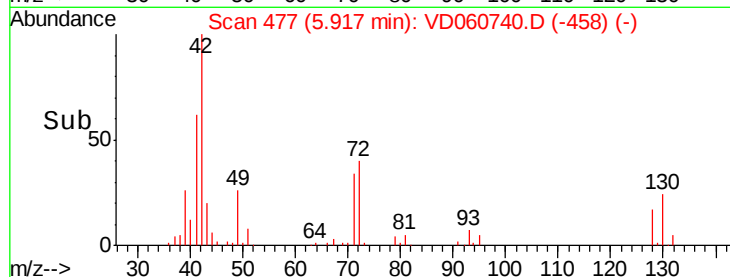
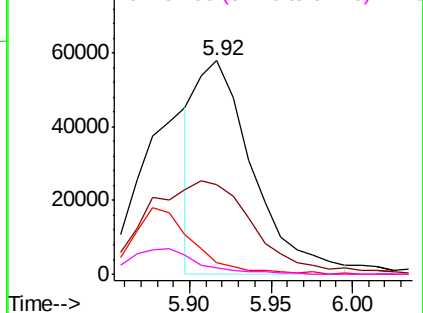
52 2.8 15.5 23.3#

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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: 114.166 ug/l

RT: 6.86 min Scan# 573

Delta R.T. -0.04 min

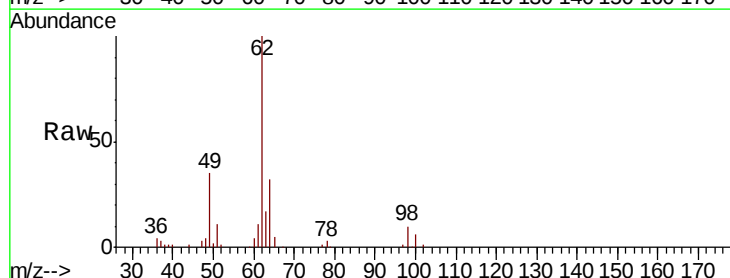
Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

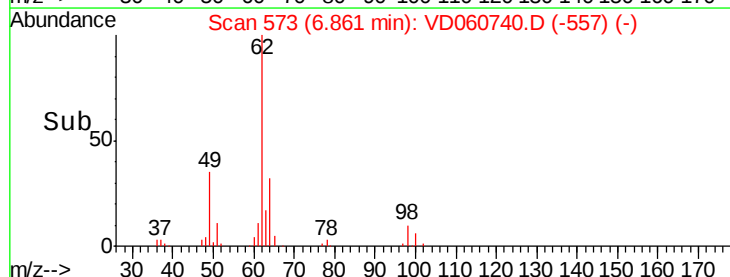
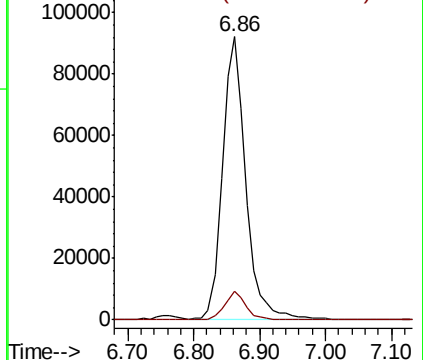
Tgt Ion: 62 Resp: 227335
Ion Ratio Lower Upper

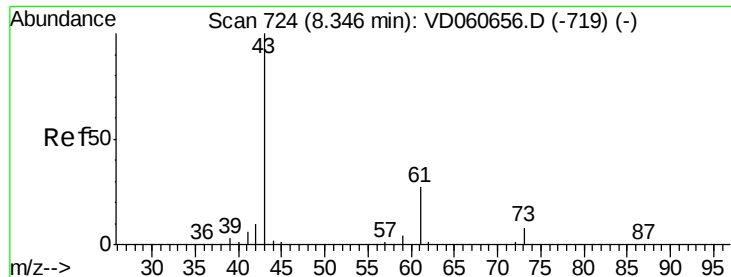
62 100

98 10.1 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: 27.292 ug/l

RT: 8.32 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

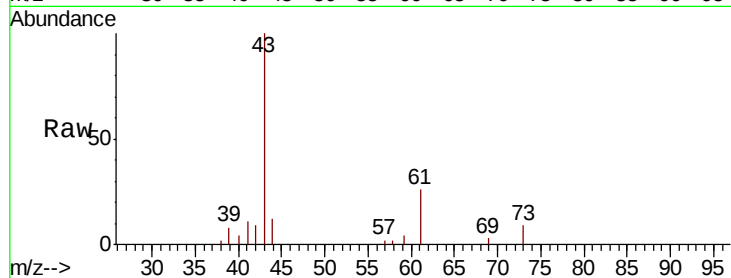
ClientSampleId :

P001-SS025-1218-01MS

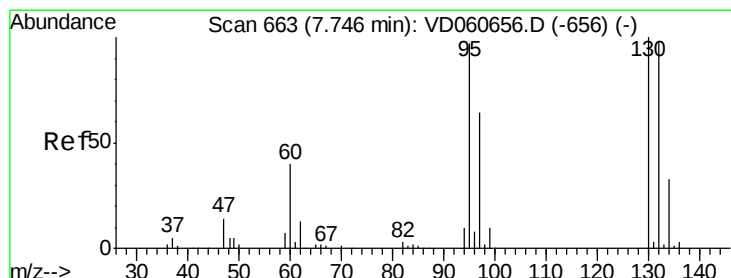
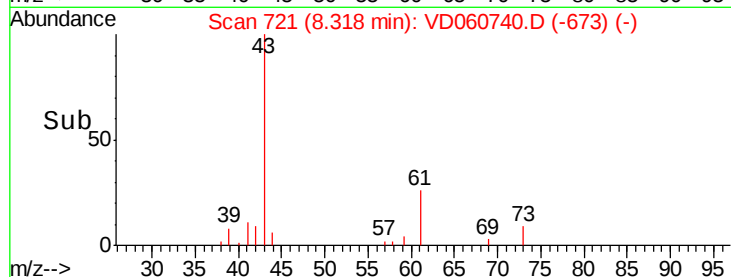
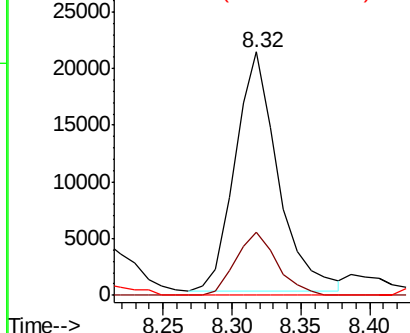
Tot Ion:	43	Resp:	45503
Ion Ratio	Lower	Upper	
43	100		
61	26.1	21.8	32.8
87	0.0	0.2	0.4

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



#44

Trichloroethene

Concen: 49.227 ug/l

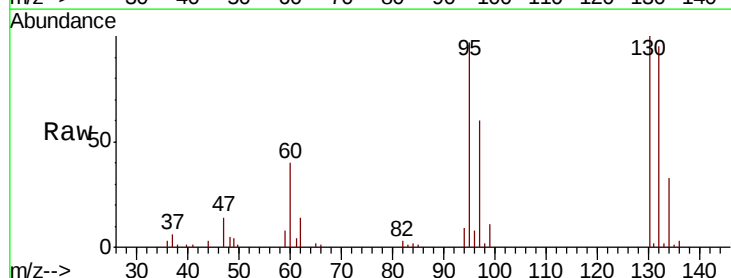
RT: 7.71 min Scan# 659

Delta R.T. -0.04 min

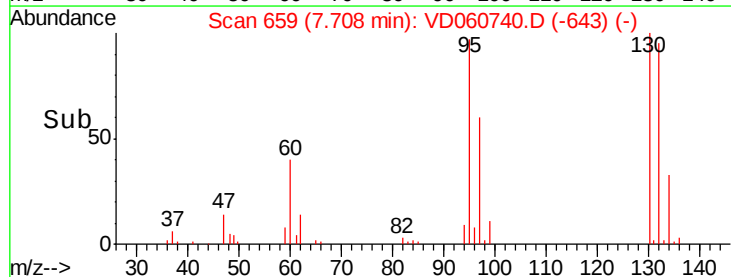
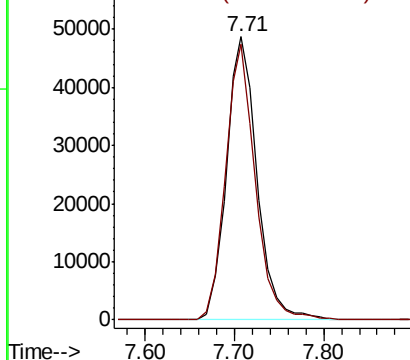
Lab File: VD060740.D

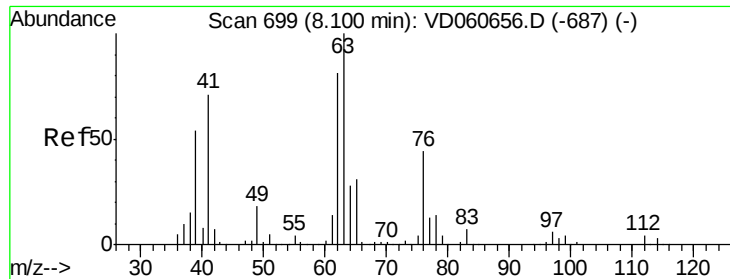
Acq: 27 Dec 2018 21:38

Tgt Ion:	130	Resp:	116914
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	193.6



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





#45

1,2-Dichloropropane

Concen: 78.835 ug/l

RT: 8.07 min Scan# 696

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 63 Resp: 155135

Ion Ratio Lower Upper

63 100

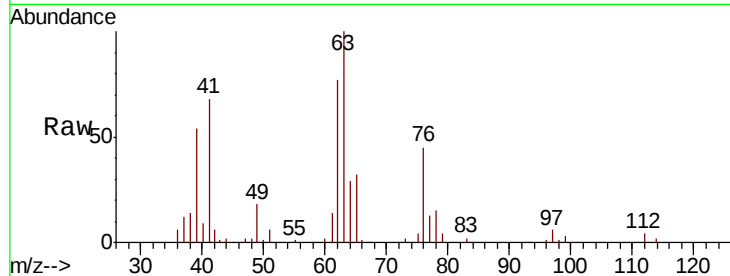
65 31.9 25.0 37.6

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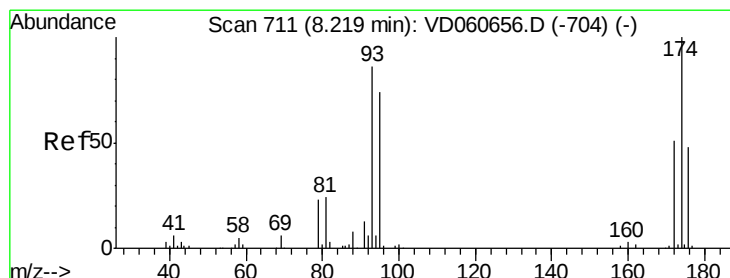
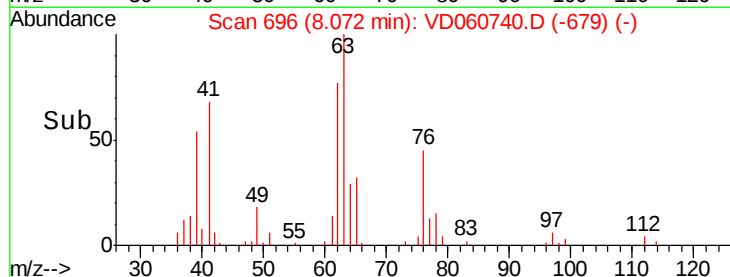
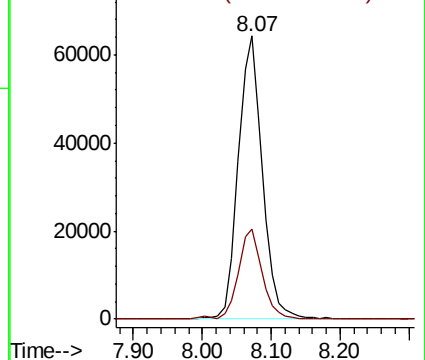
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 119.693 ug/l

RT: 8.18 min Scan# 707

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

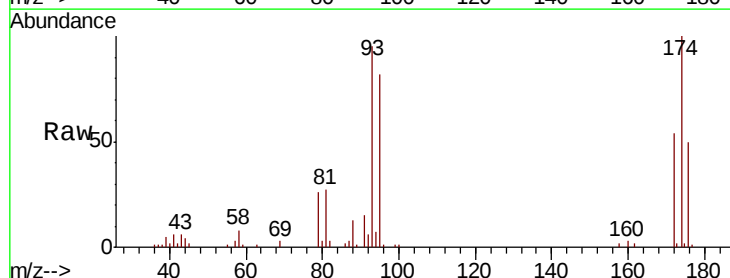
Tgt Ion: 93 Resp: 134430

Ion Ratio Lower Upper

93 100

95 86.3 68.8 103.2

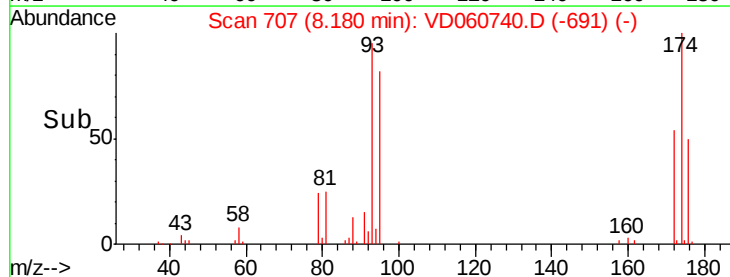
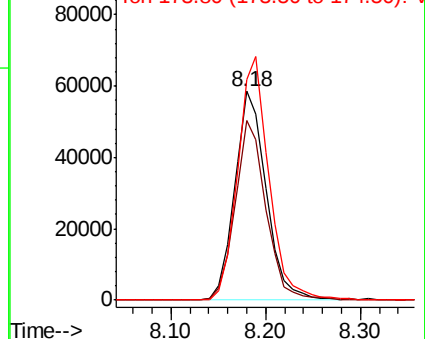
174 105.5 93.0 139.4

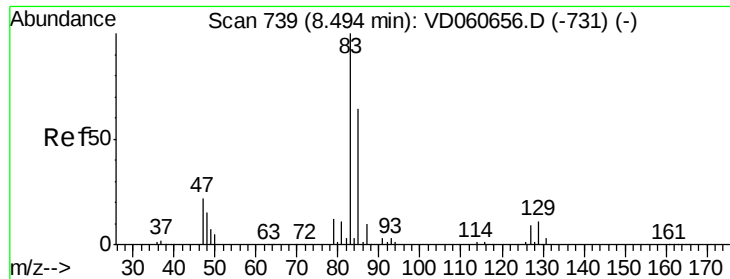


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 82.501 ug/l

RT: 8.46 min Scan# 735

Delta R.T. -0.04 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

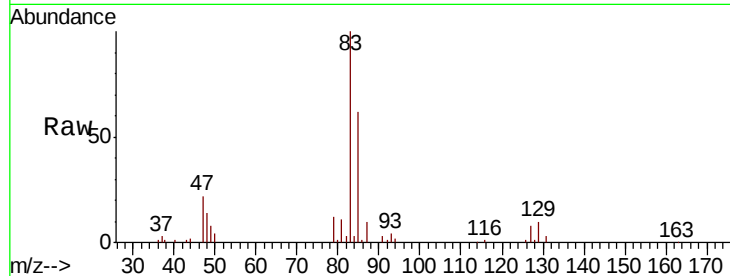
ClientSampleId :

P001-SS025-1218-01MS

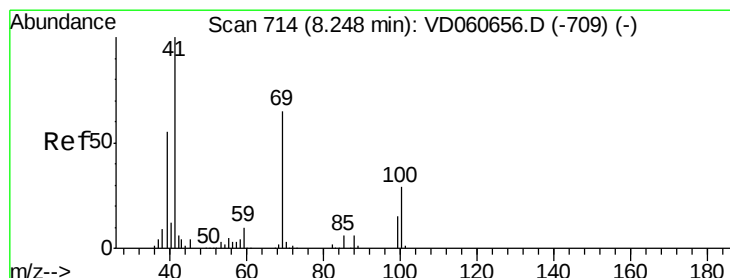
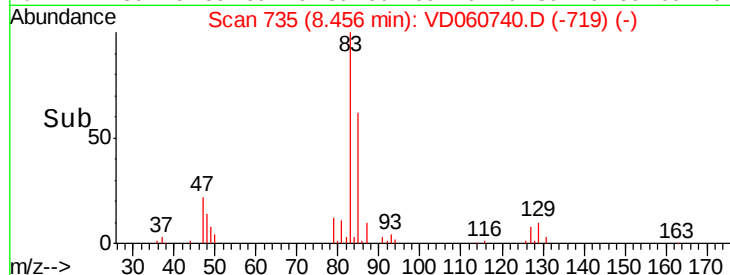
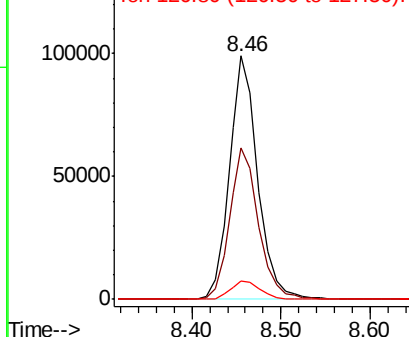
Tot Ion:	83	Resp:	219463
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.1	76.7
127	7.5	7.0	10.6

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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: 152.269 ug/l

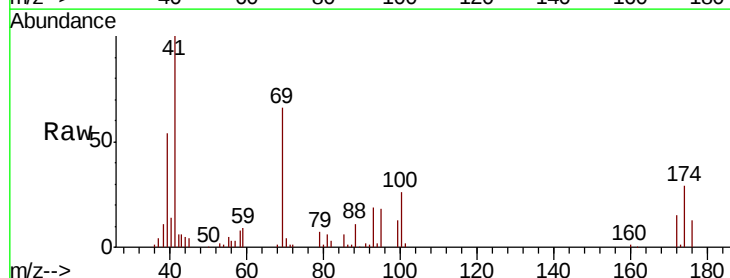
RT: 8.21 min Scan# 710

Delta R.T. -0.04 min

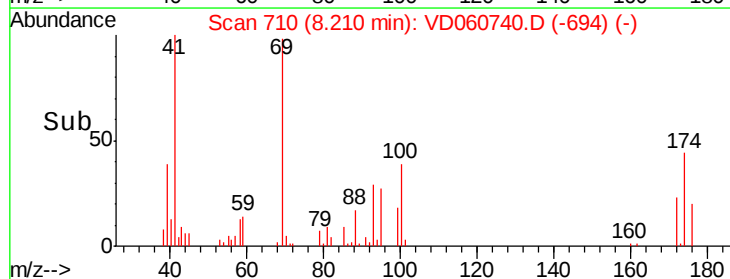
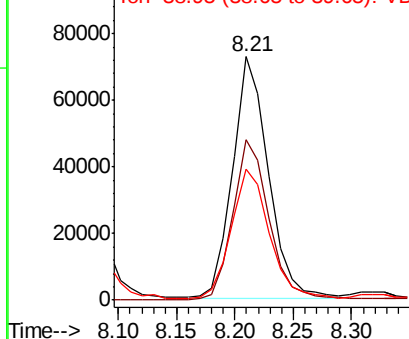
Lab File: VD060740.D

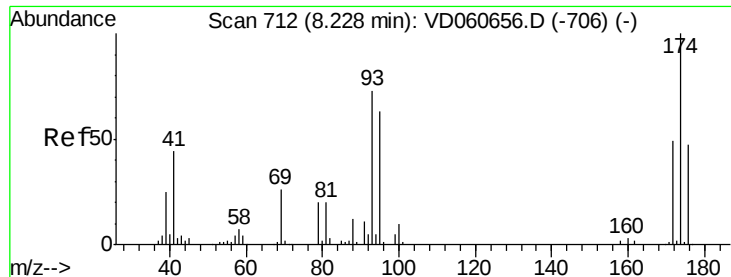
Acq: 27 Dec 2018 21:38

Tgt Ion:	41	Resp:	154191
Ion Ratio	Lower	Upper	
41	100		
69	65.7	51.2	76.8
39	54.0	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





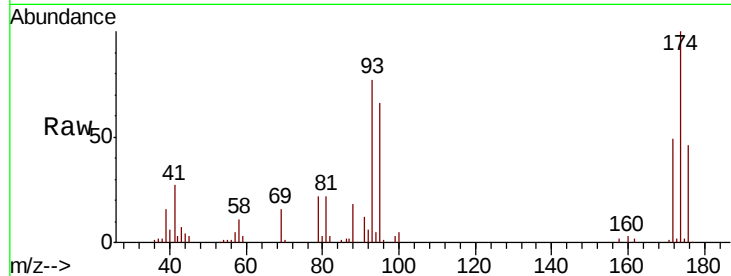
#49
1,4-Dioxane
Concen: 3830.576 ug/l
RT: 8.19 min Scan# 708
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

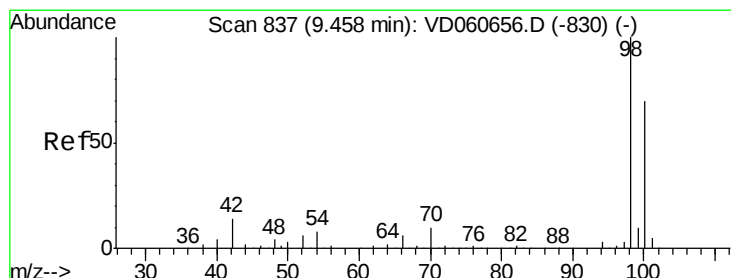
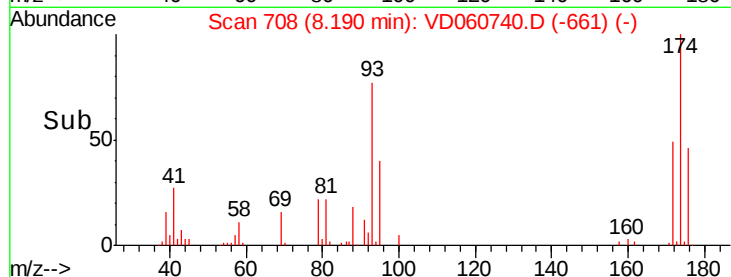
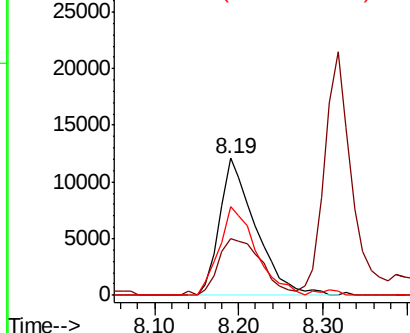
Tot Ion	Ratio	Resp	Lower	Upper
88	100	36066		
43	41.6		31.5	47.3
58	64.5		50.6	76.0

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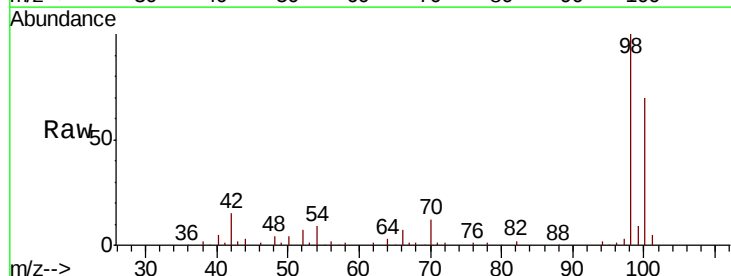


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

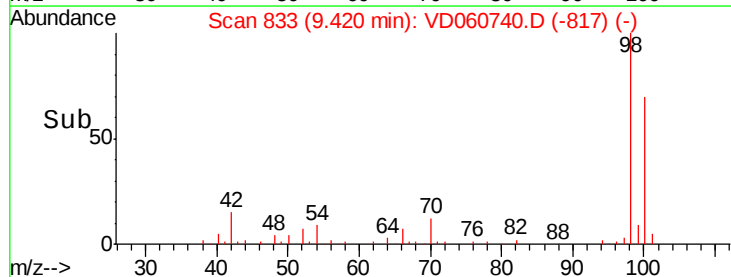
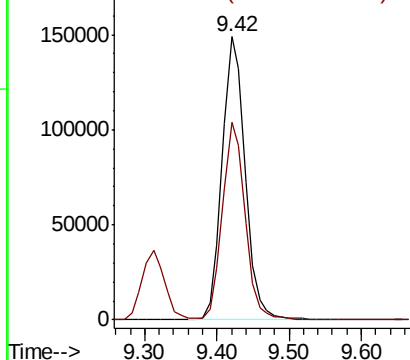


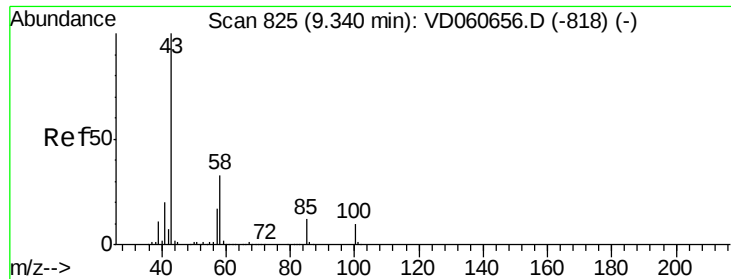
#50
Toluene-d8
Concen: 3830.576 ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	329203		
100	69.7		55.8	83.8



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





#51

4-Methyl-2-Pentanone

Concen: 823.739 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 43 Resp: 841428

Ion Ratio Lower Upper

43 100

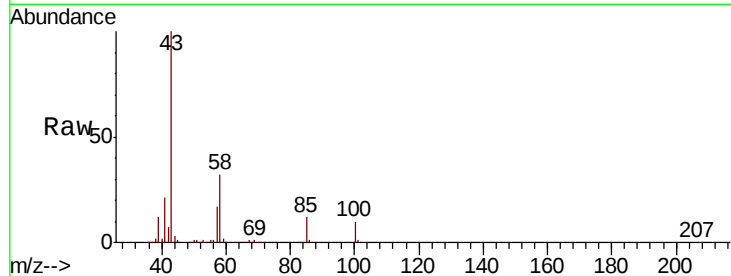
58 31.7 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.31

400000

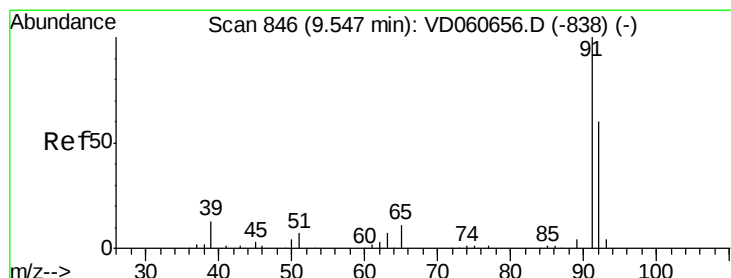
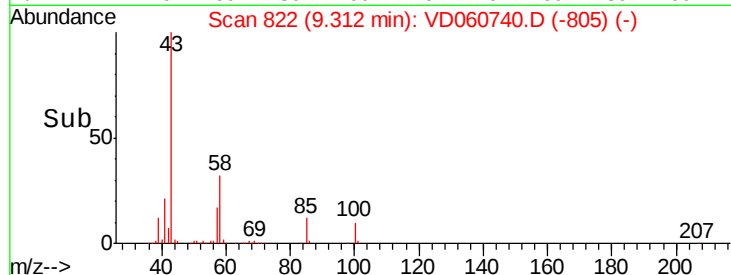
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 56.133 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060740.D

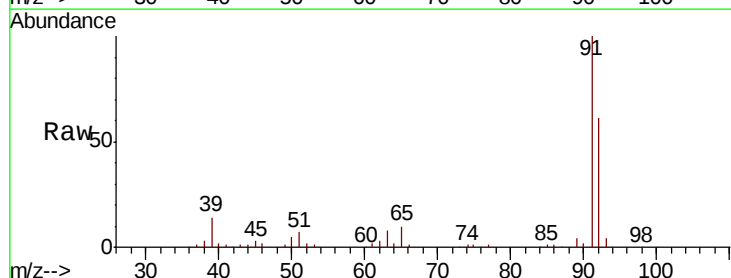
Acq: 27 Dec 2018 21:38

Tgt Ion: 92 Resp: 282366

Ion Ratio Lower Upper

92 100

91 164.9 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

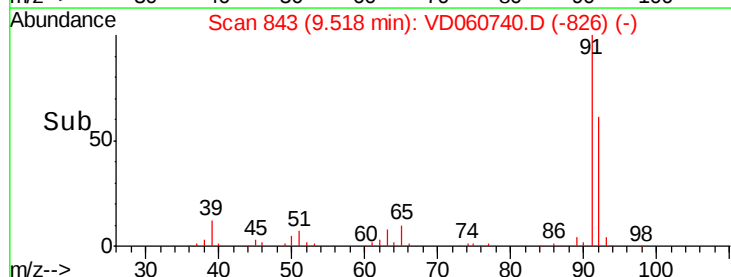
150000

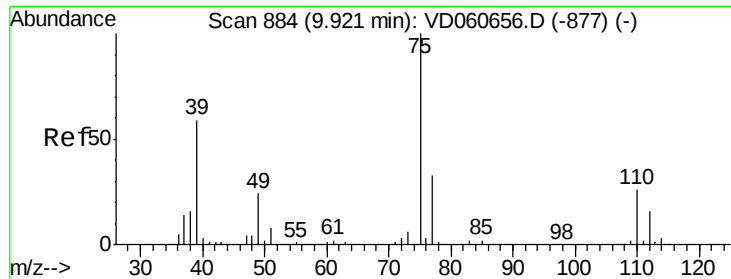
100000

50000

0

Time-->





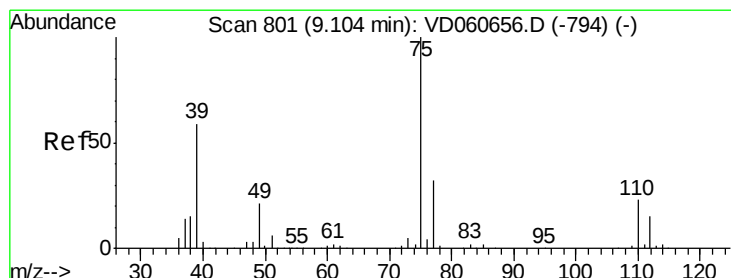
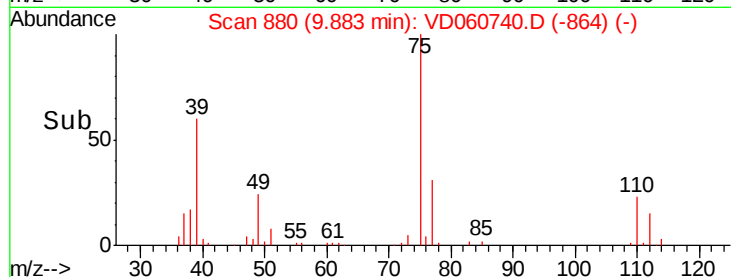
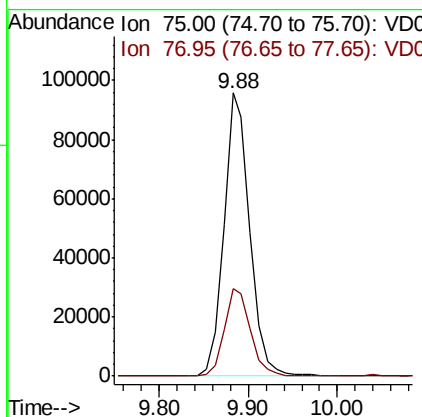
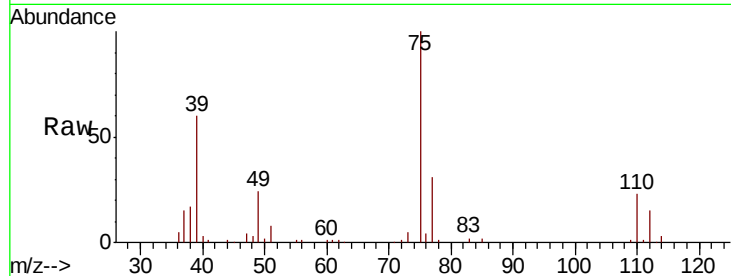
#53
t-1,3-Dichloropropene
Concen: 87.330 ug/l
RT: 9.88 min Scan# 880
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 75 Resp: 193810
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0

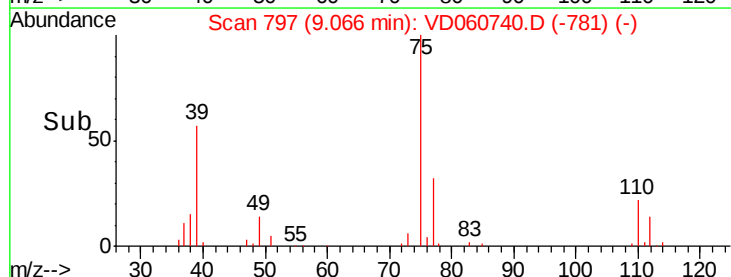
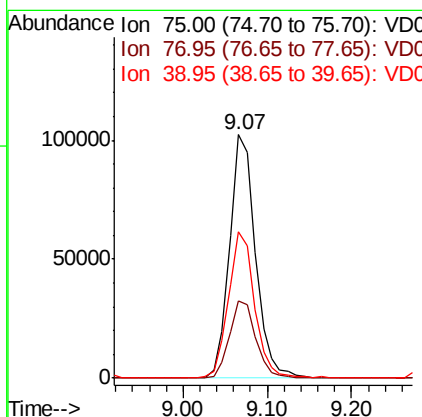
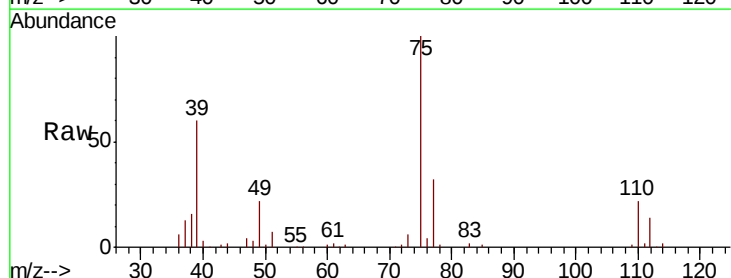
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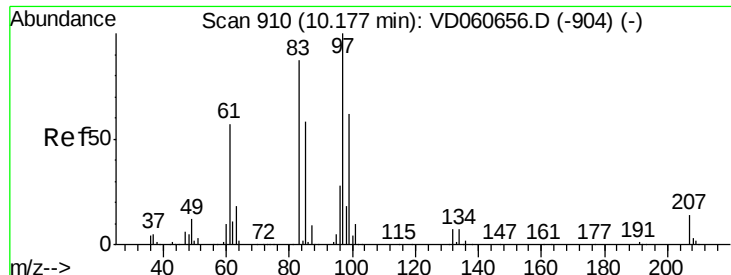
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#54
cis-1,3-Dichloropropene
Concen: 75.365 ug/l
RT: 9.07 min Scan# 797
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion: 75 Resp: 218921
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 60.0 47.0 70.4





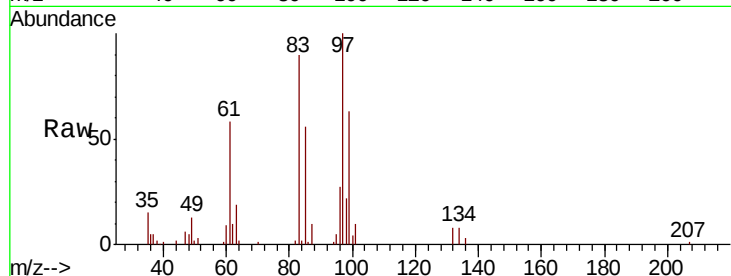
#55
 1,1,2-Trichloroethane
 Concen: 106.888 ug/l
 RT: 10.15 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

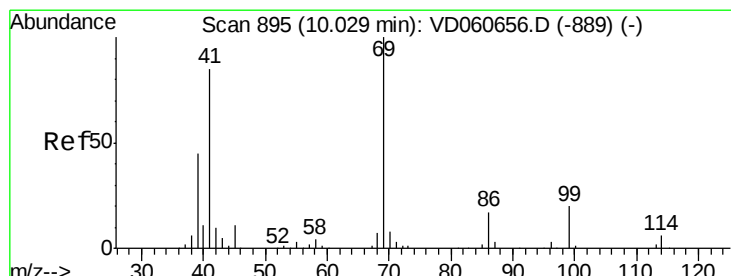
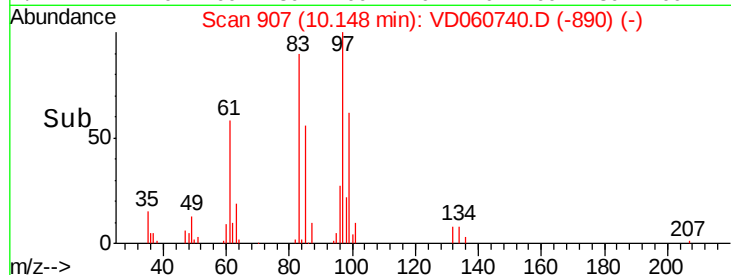
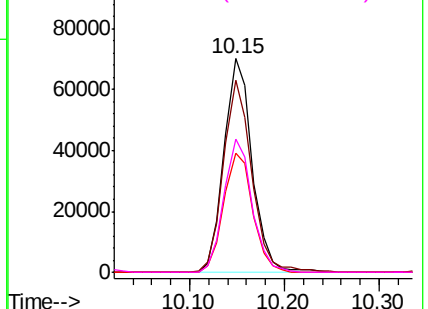
Tot Ion:	97	Resp:	144668
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	55.5	46.6	70.0
99	62.6	49.6	74.4

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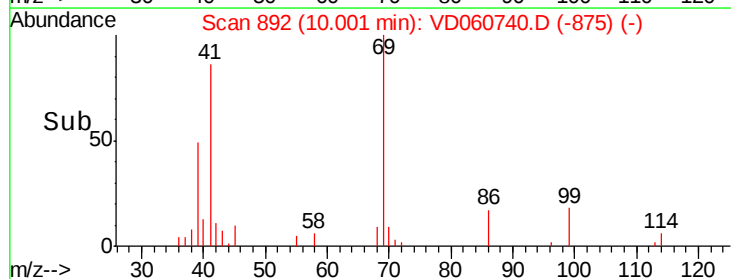
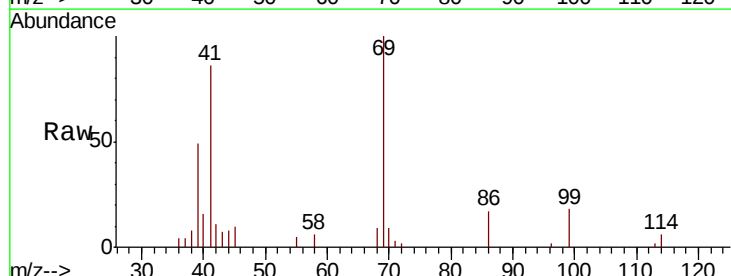
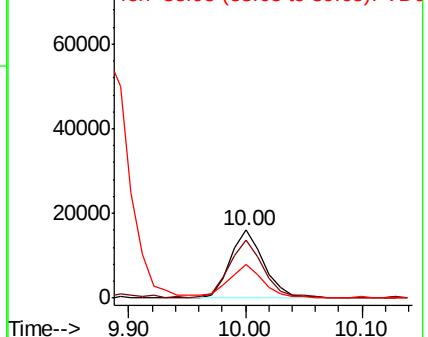
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

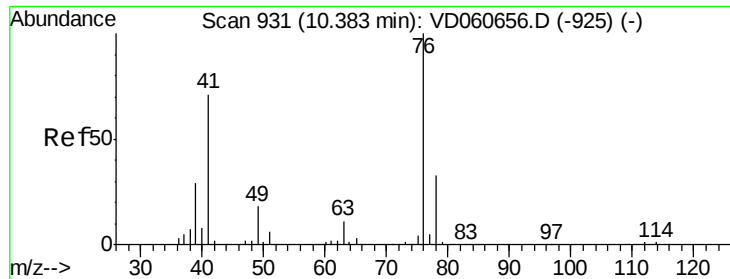


#56
 Ethyl methacrylate
 Concen: 25.631 ug/l
 RT: 10.00 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion:	69	Resp:	32221
Ion	Ratio	Lower	Upper
69	100		
41	86.0	68.3	102.5
39	49.0	37.2	55.8

Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





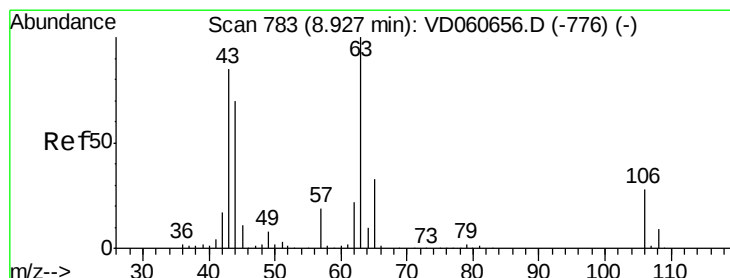
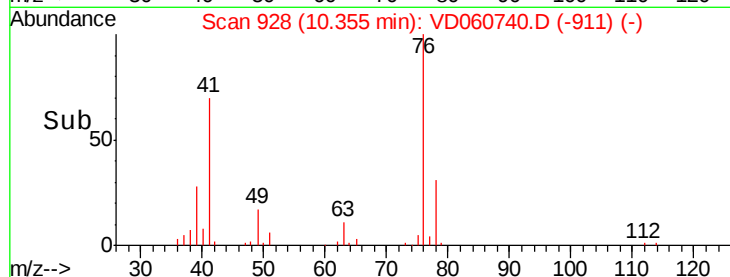
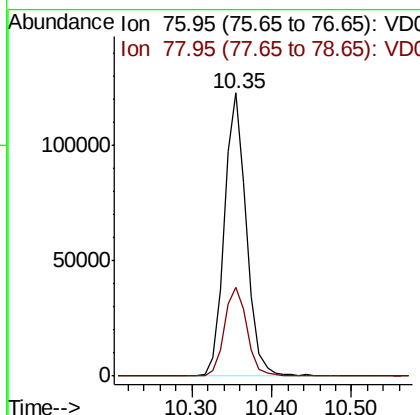
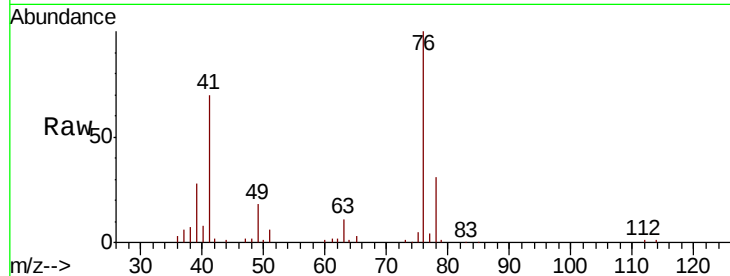
#57
 1,3-Dichloropropane
 Concen: 110.692 ug/l
 RT: 10.35 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion: 76 Resp: 237467
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.1 39.1

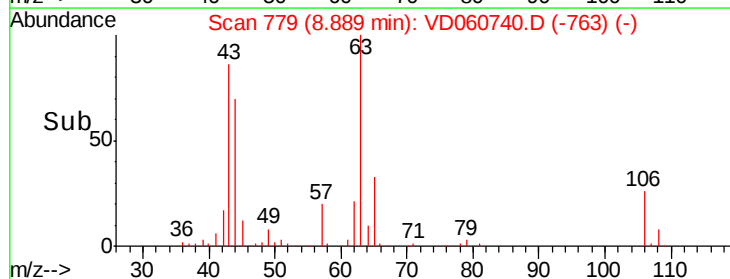
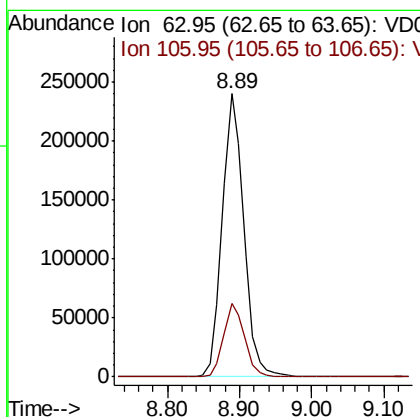
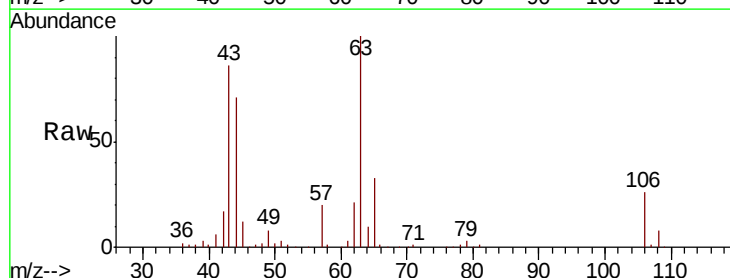
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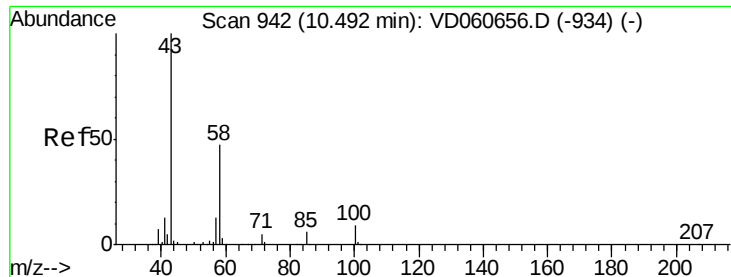
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 12/28/2018 9:47:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 671.328 ug/l
 RT: 8.89 min Scan# 779
 Delta R.T. -0.04 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion: 63 Resp: 497272
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.4 33.6





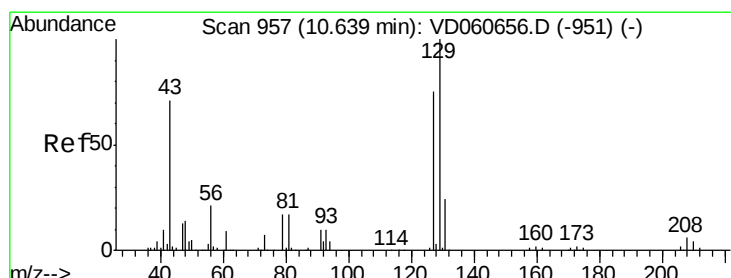
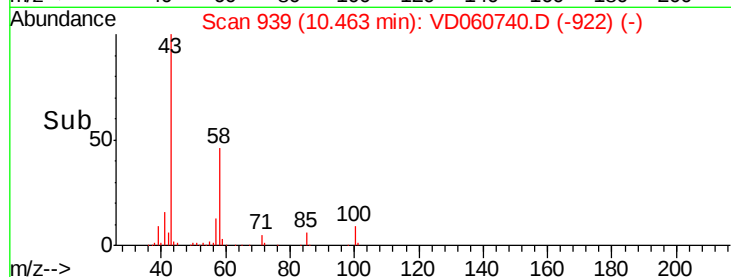
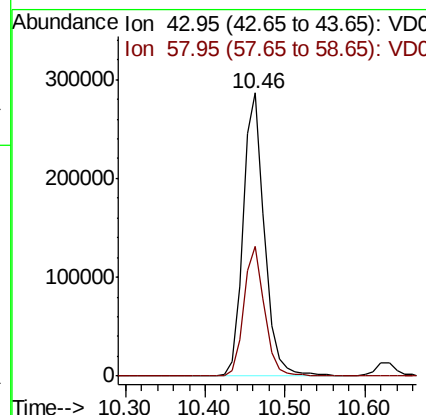
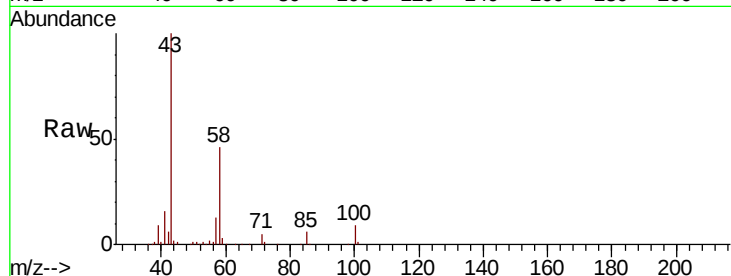
#59
2-Hexanone
Concen: 737.564 ug/l
RT: 10.46 min Scan# 939
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 43 Resp: 527354
Ion Ratio Lower Upper
43 100
58 46.0 23.5 70.5

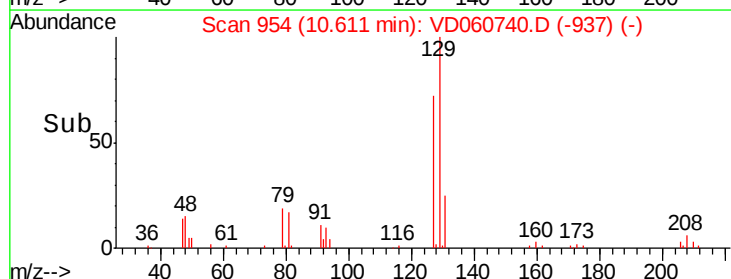
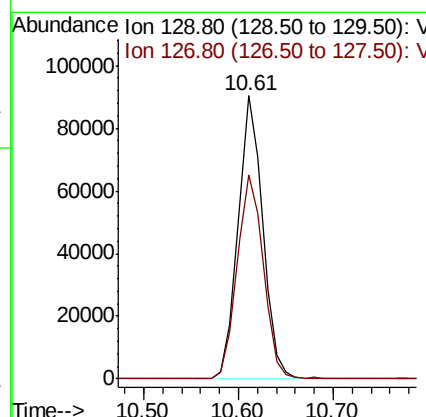
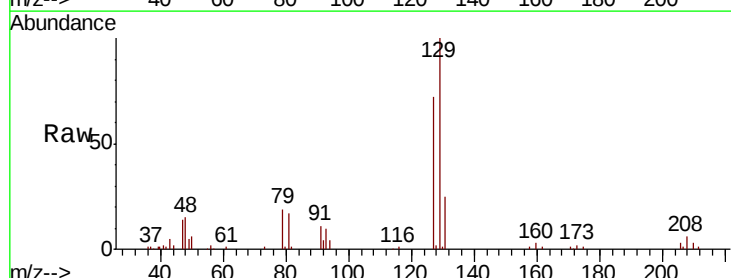
Manual Integrations
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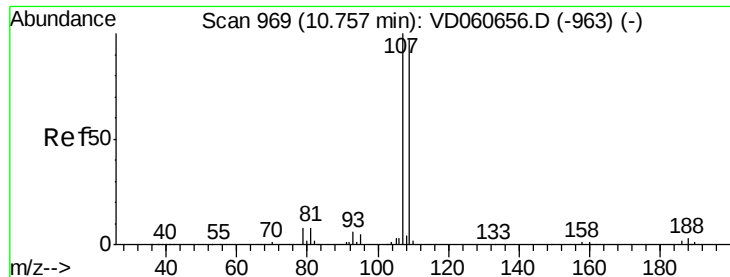
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#60
Dibromochloromethane
Concen: 95.022 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion: 129 Resp: 163816
Ion Ratio Lower Upper
129 100
127 72.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 116.094 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:107 Resp: 162979

Ion Ratio Lower Upper

107 100

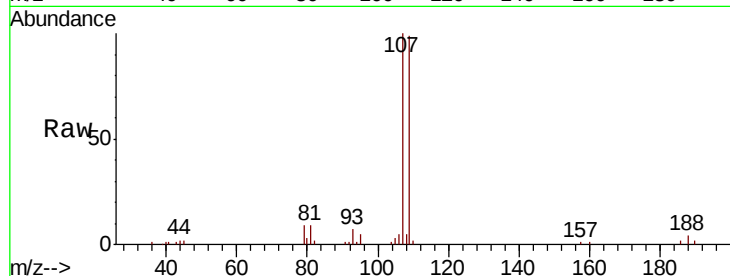
109 99.3 78.0 117.0

Manual Integrations

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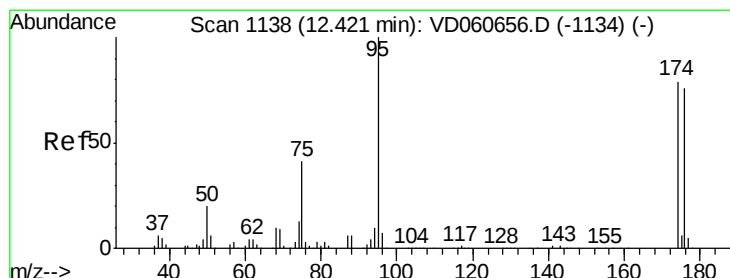
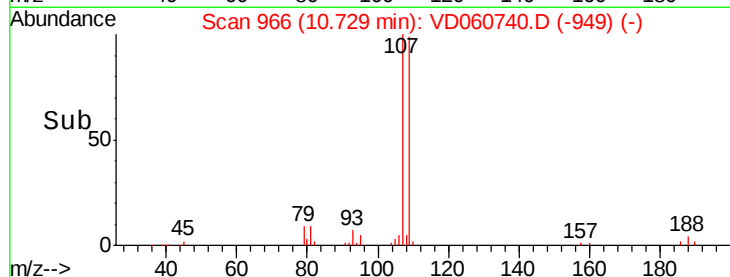
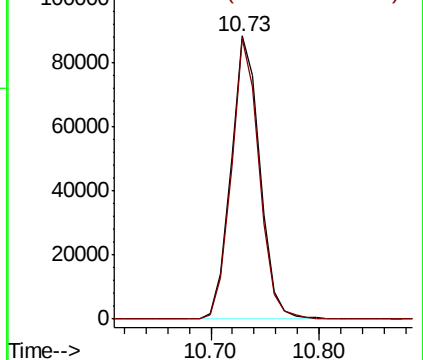
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 116.094 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

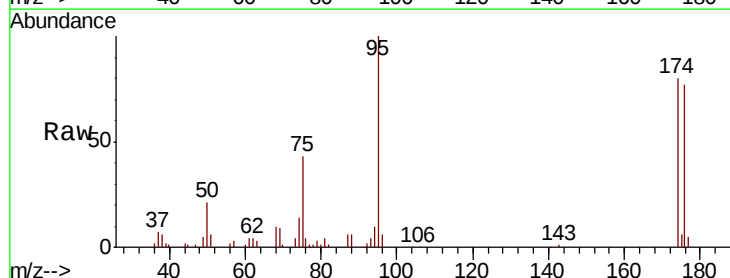
Tgt Ion: 95 Resp: 110969

Ion Ratio Lower Upper

95 100

174 79.9 0.0 158.2

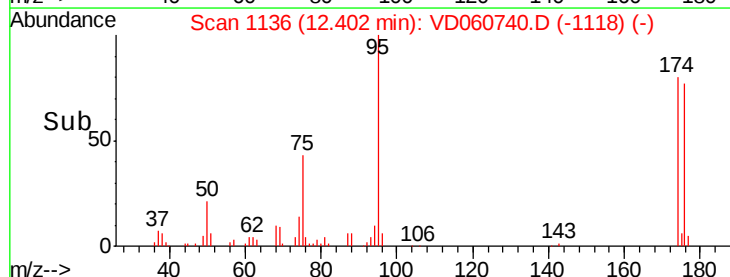
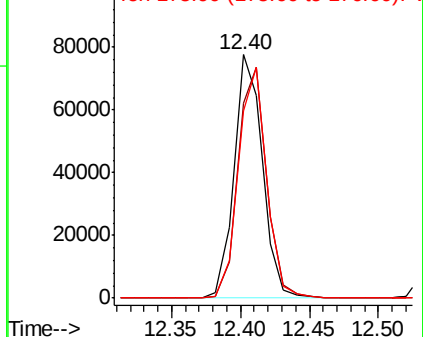
176 77.0 0.0 152.4

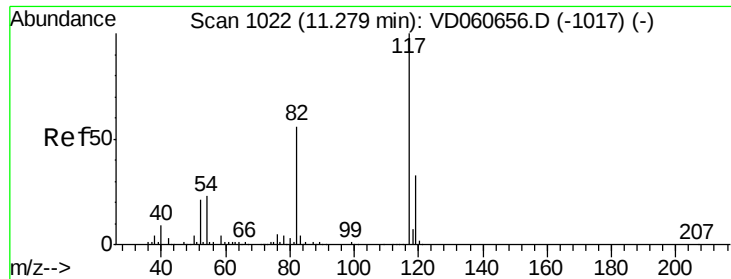


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





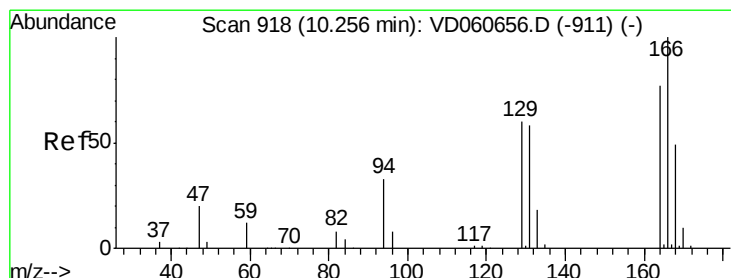
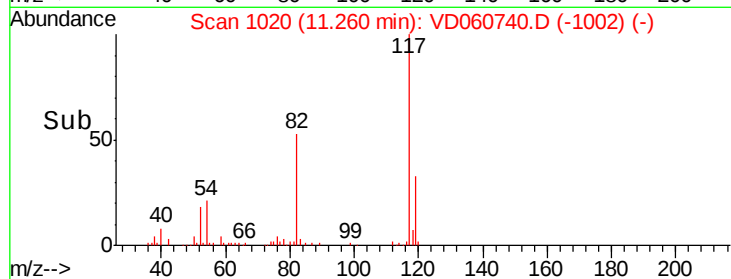
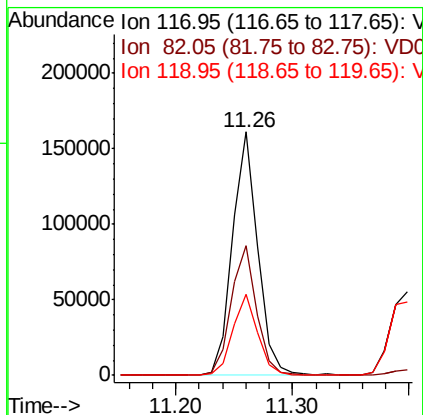
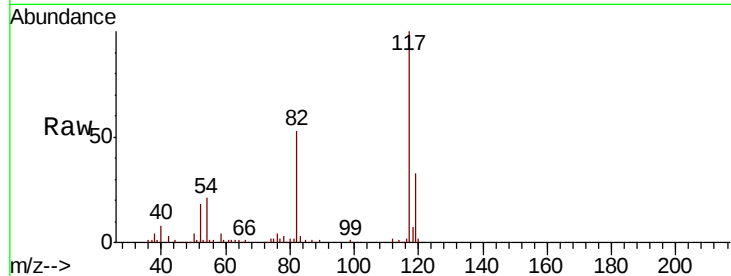
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	242163		
82	53.2	44.5	66.7	
119	33.5	26.3	39.5	

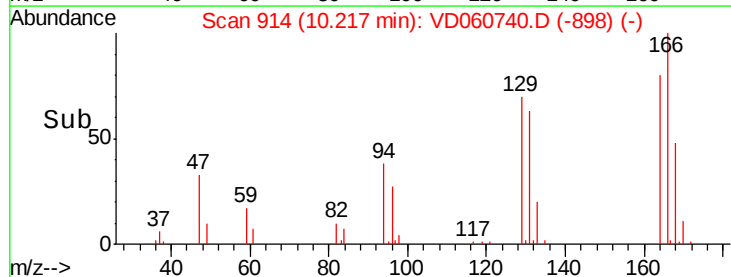
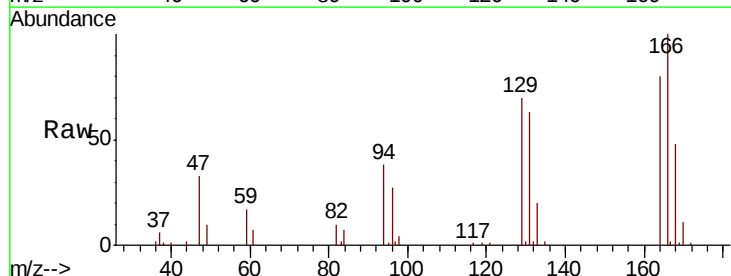
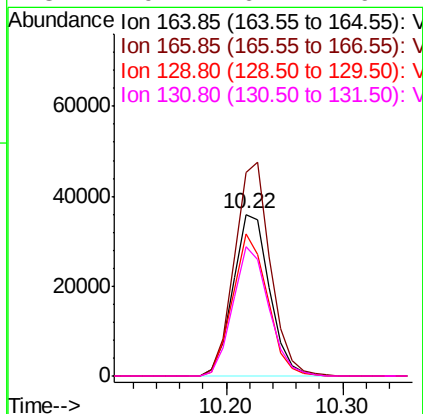
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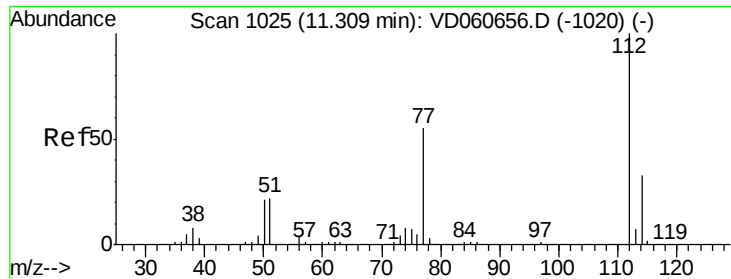
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#64
Tetrachloroethene
Concen: 35.476 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.04 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77865		
166	125.6	104.4	156.6	
129	88.1	62.7	94.1	
131	79.7	61.1	91.7	





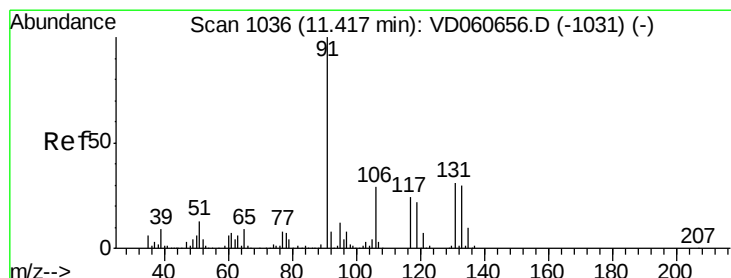
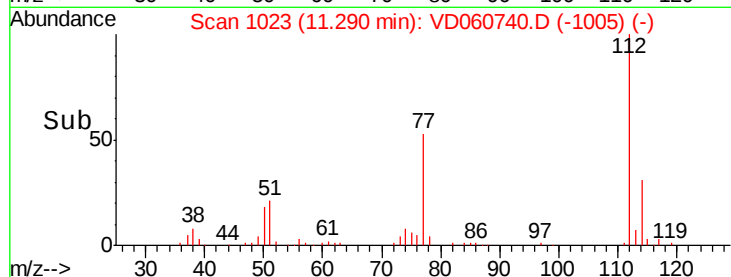
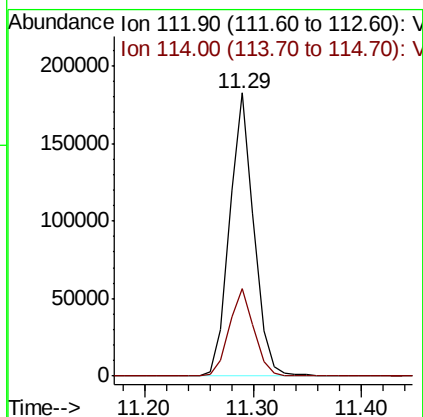
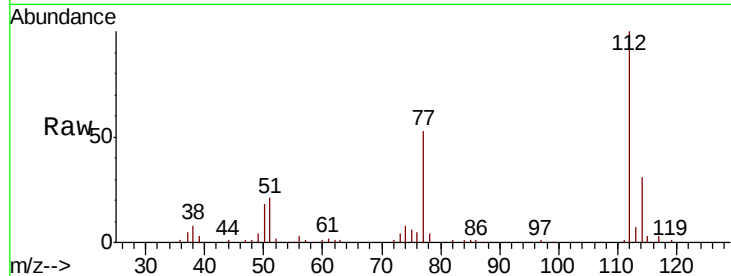
#65
Chlorobenzene
Concen: 52.940 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion:112 Resp: 283243
Ion Ratio Lower Upper
112 100
114 30.7 26.1 39.1

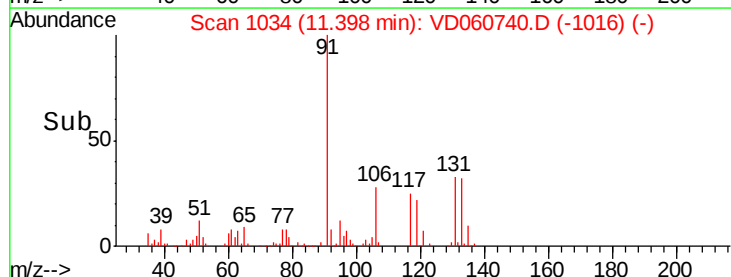
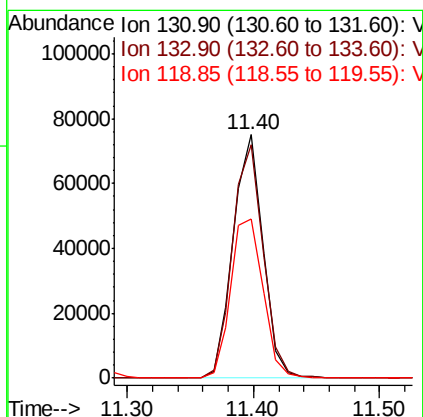
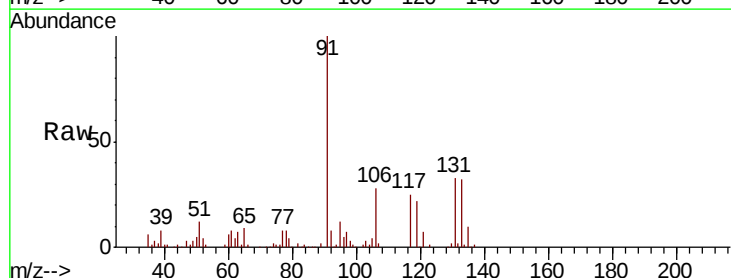
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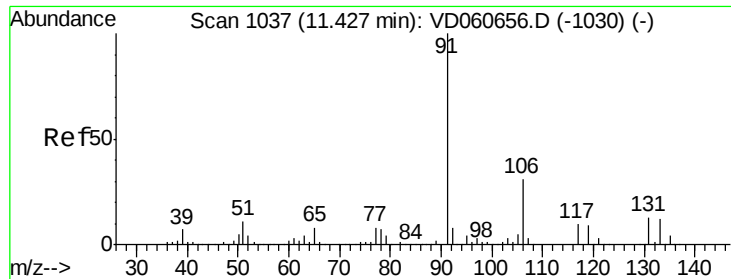
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#66
1,1,1,2-Tetrachloroethane
Concen: 71.104 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion:131 Resp: 122317
Ion Ratio Lower Upper
131 100
133 96.0 49.1 147.3
119 65.3 36.6 109.8





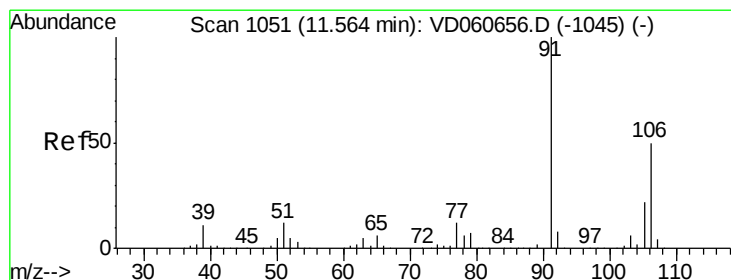
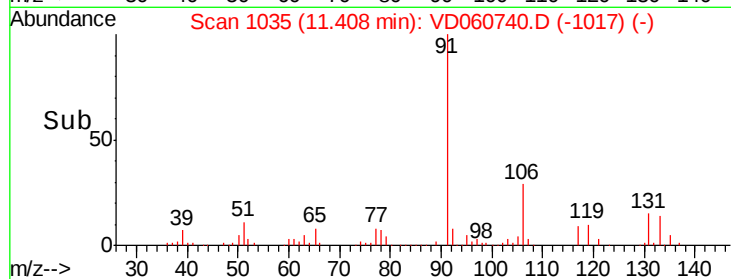
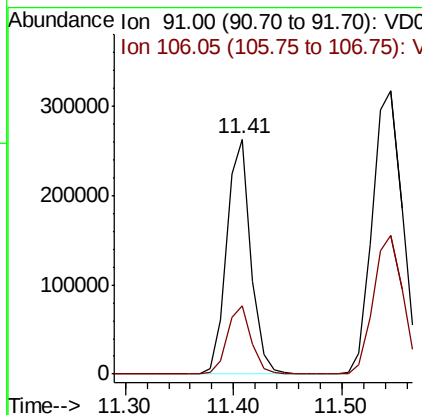
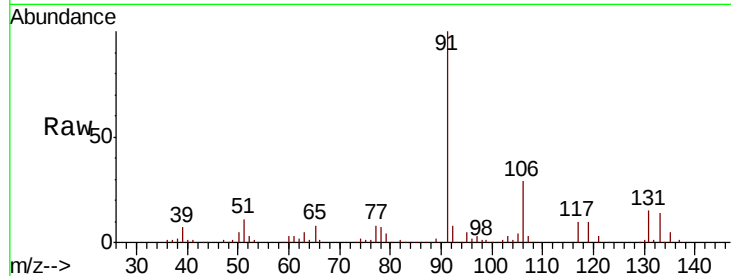
#67
Ethyl Benzene
Concen: 44.495 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 91 Resp: 407705
Ion Ratio Lower Upper
91 100
106 29.0 24.6 36.8

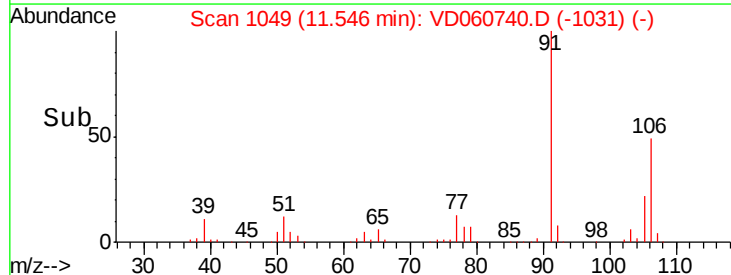
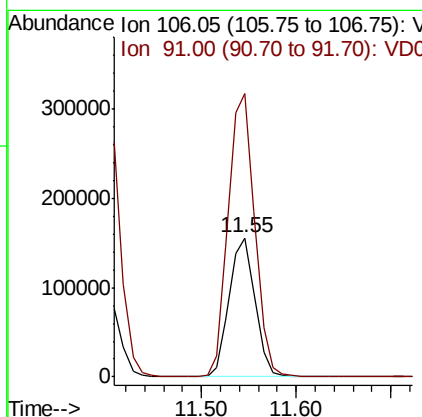
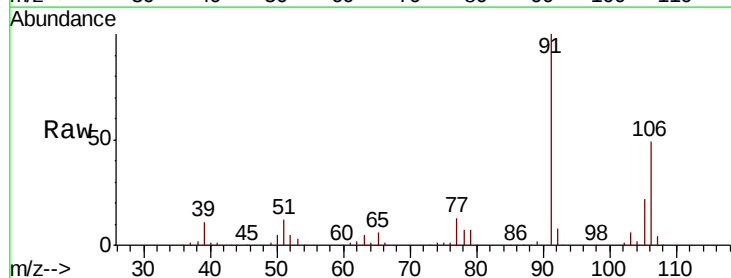
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#68
m/p-Xylenes
Concen: 88.479 ug/l
RT: 11.55 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion:106 Resp: 296279
Ion Ratio Lower Upper
106 100
91 203.5 158.9 238.3





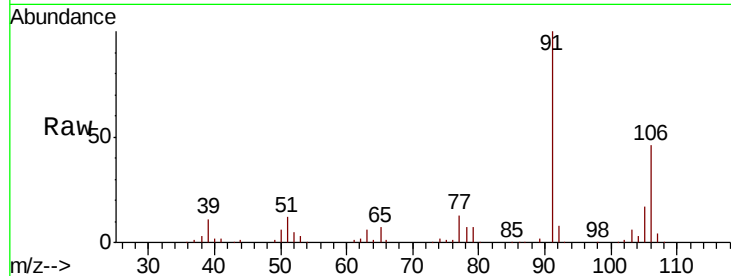
#69
o-Xylene
Concen: 47.083 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

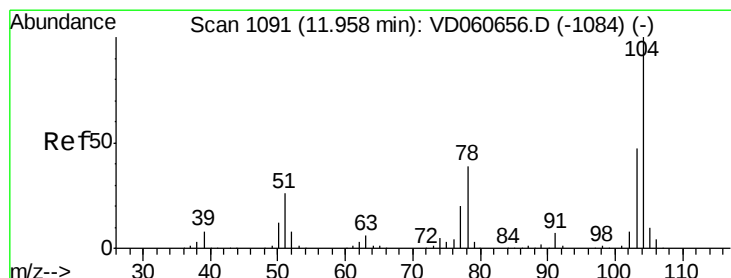
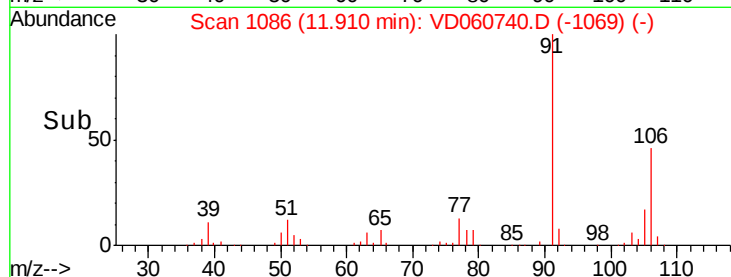
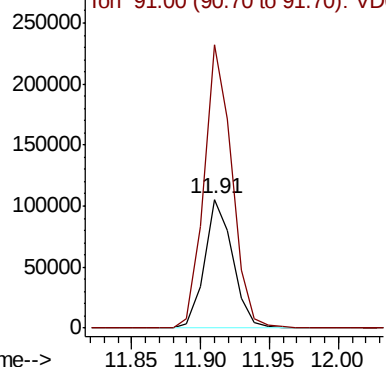
Tot Ion:106 Resp: 149579
Ion Ratio Lower Upper
106 100
91 219.6 101.5 304.5

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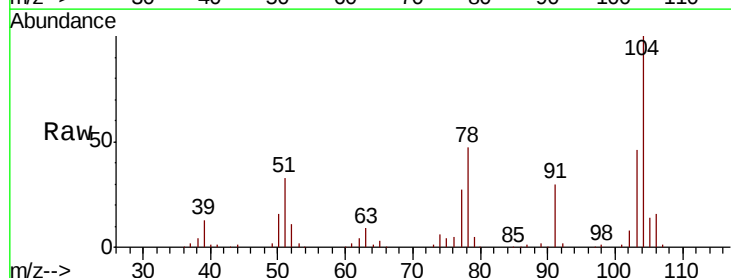


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

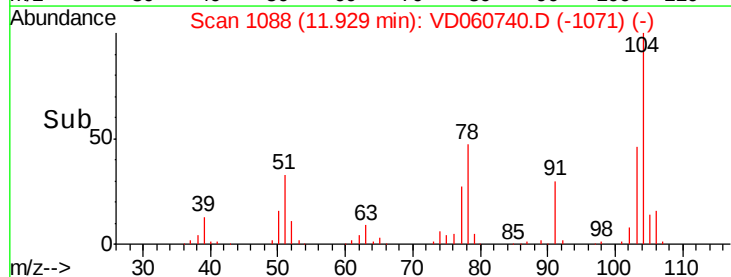
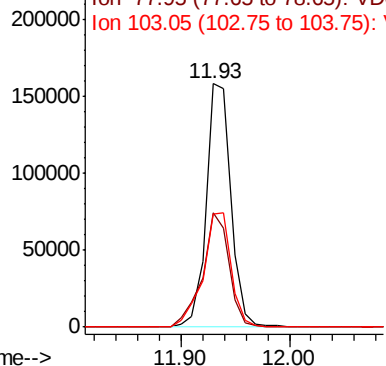


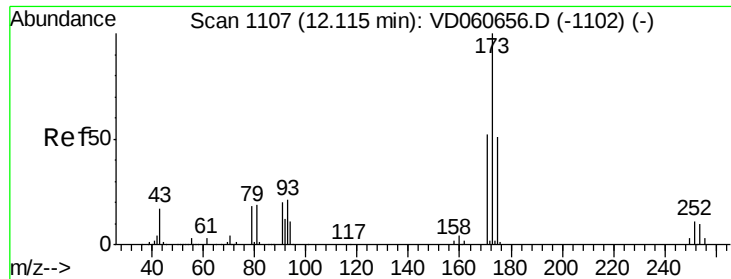
#70
Styrene
Concen: 49.038 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion:104 Resp: 250912
Ion Ratio Lower Upper
104 100
78 47.0 31.4 47.2
103 46.4 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: 101.844 ug/l

RT: 12.10 min Scan# 1105

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

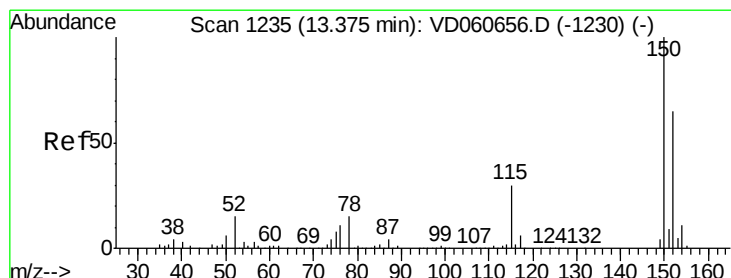
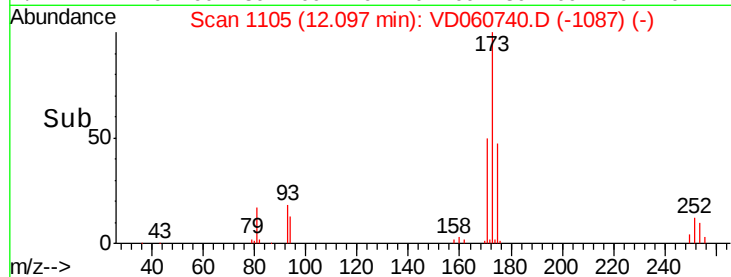
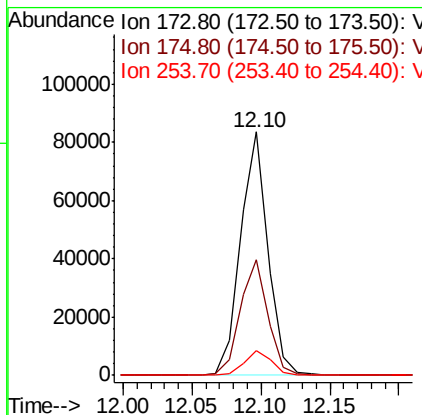
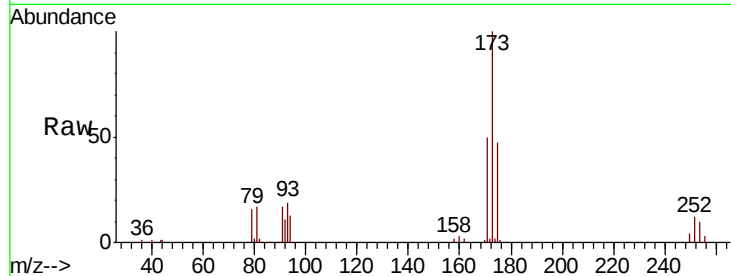
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	173	Resp:	115648
Ion Ratio	Lower	Upper	
173	100		
175	47.4	25.5	76.5
254	10.0	7.9	11.9

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

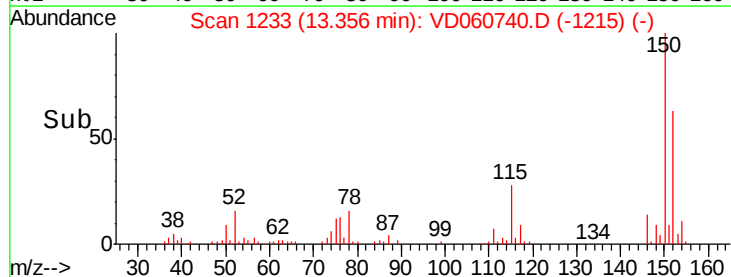
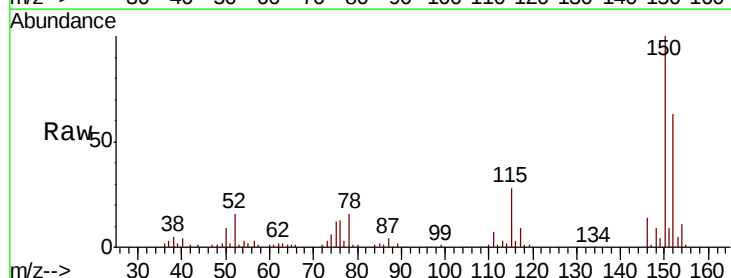
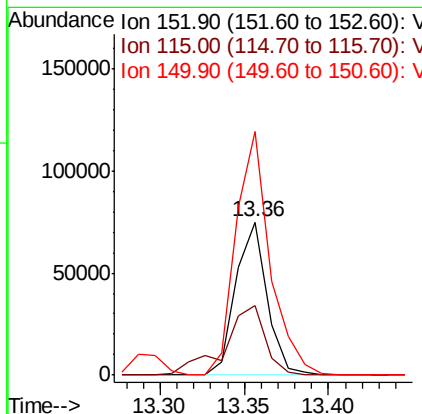
RT: 13.36 min Scan# 1233

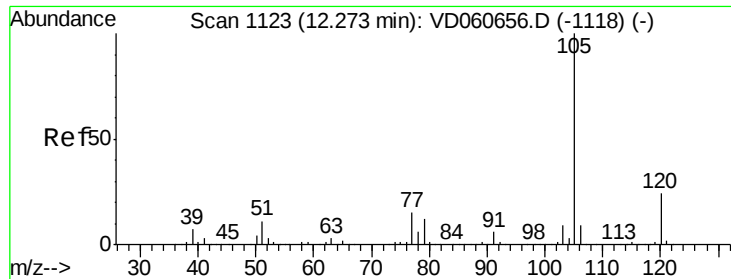
Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	152	Resp:	96475
Ion Ratio	Lower	Upper	
152	100		
115	45.3	24.1	72.3
150	159.4	0.0	315.0





#73

Isopropylbenzene

Concen: 43.160 ug/l

RT: 12.25 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:105 Resp: 296462

Ion Ratio Lower Upper

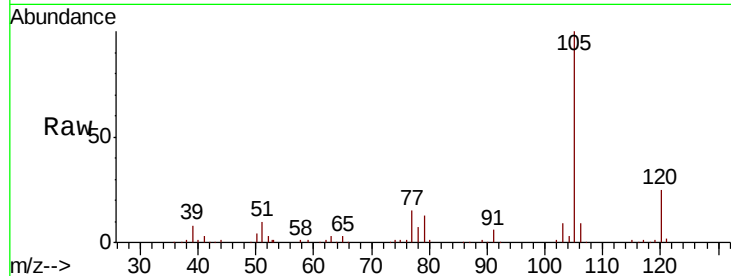
105 100

120 24.6 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

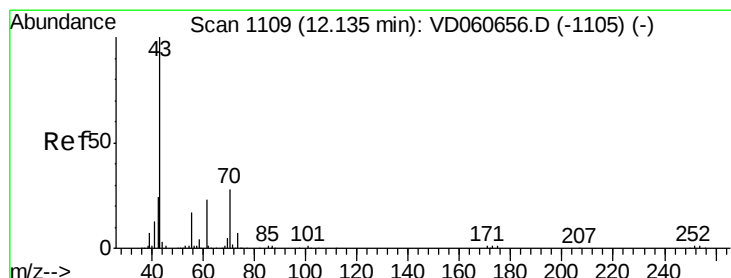
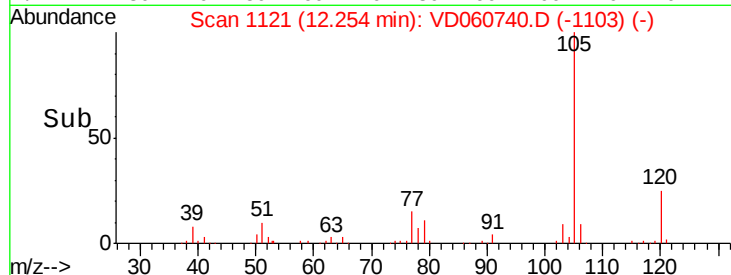
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 5.072 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion: 43 Resp: 8223

Ion Ratio Lower Upper

43 100

70 30.5 22.2 33.2

55 23.2 13.8 20.8#

61 27.3 18.2 27.2#

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

8000

6000

4000

2000

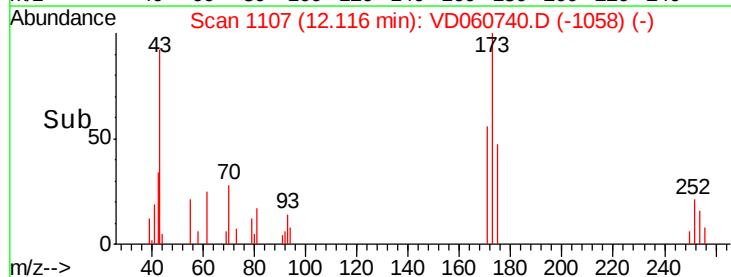
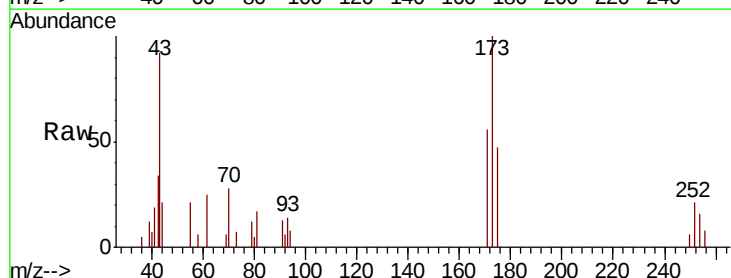
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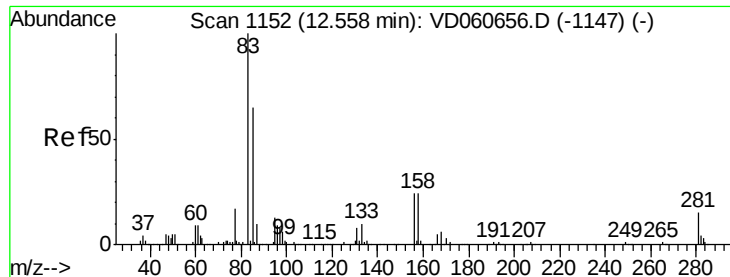
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 159.355 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

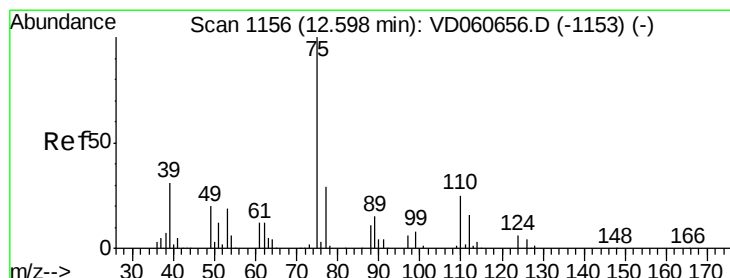
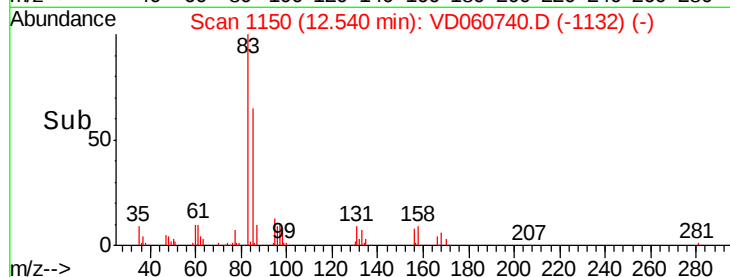
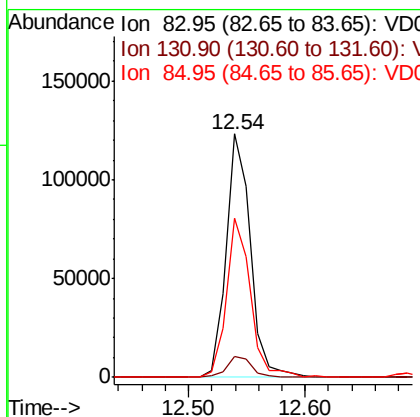
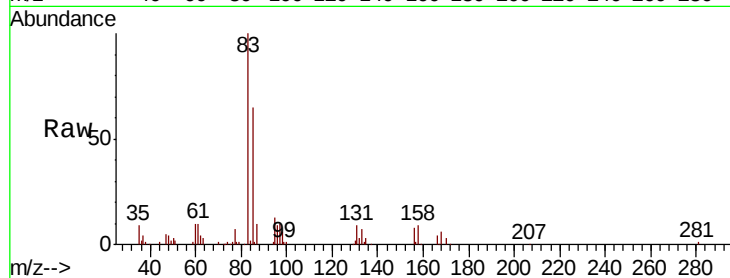
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion	83	Resp	177421
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.2	12.4
85	65.2	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 164.112 ug/l

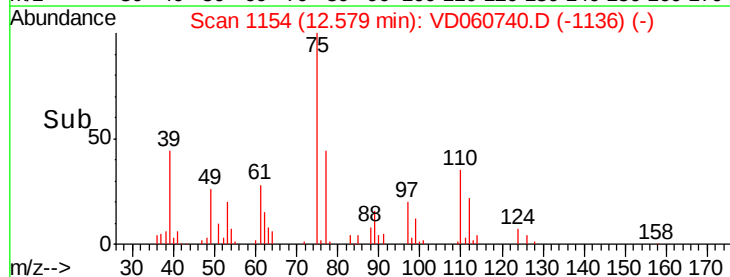
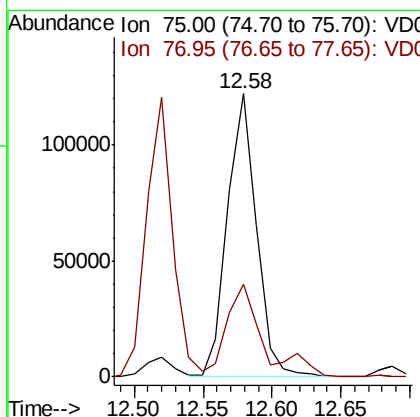
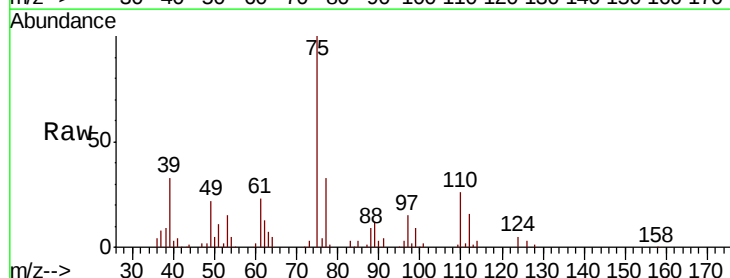
RT: 12.58 min Scan# 1154

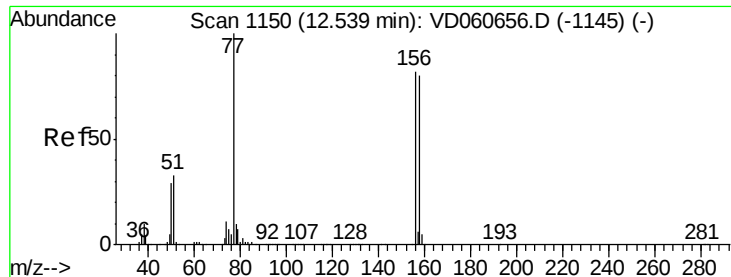
Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion	75	Resp	180253
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.7	50.0





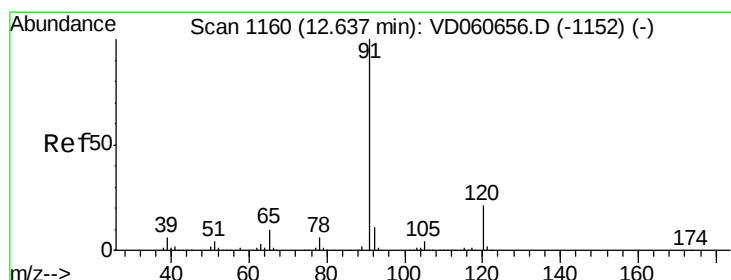
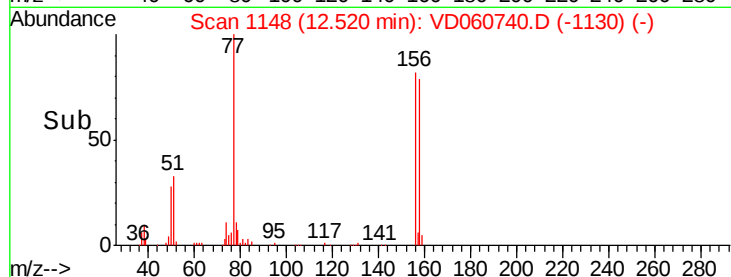
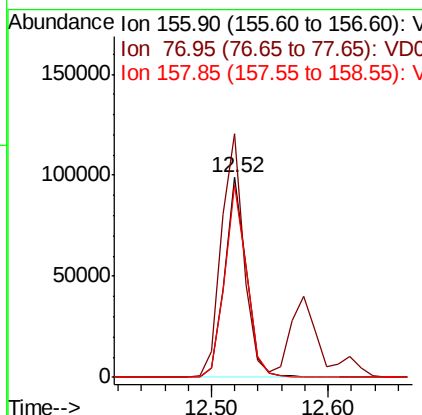
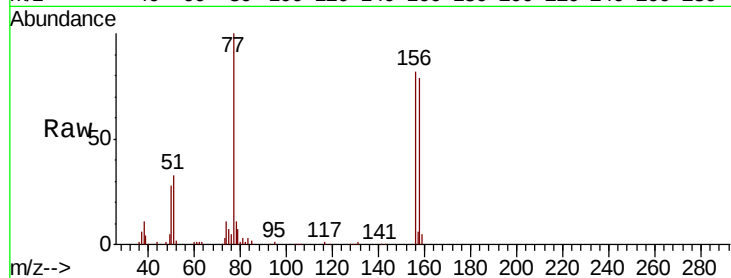
#77
Bromobenzene
Concen: 69.874 ug/l
RT: 12.52 min Scan# 1148
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	121.9	61.3	183.9
158	96.2	48.9	146.6

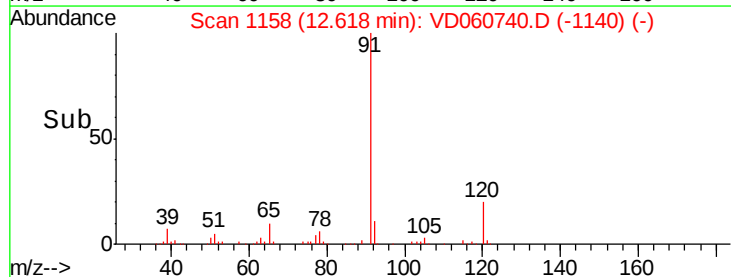
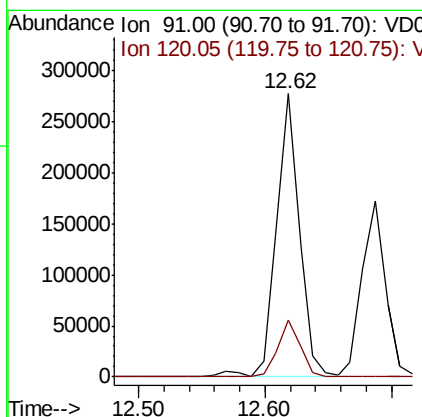
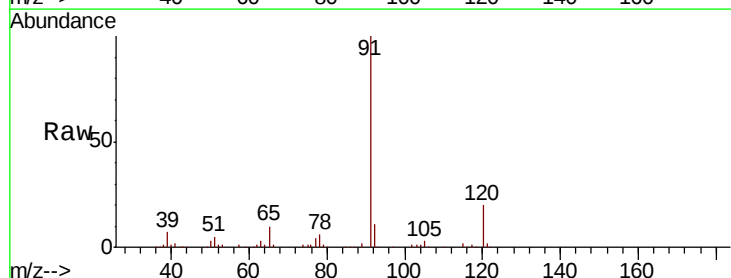
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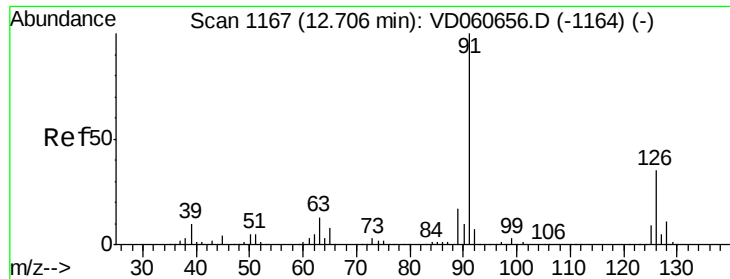
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#78
n-propylbenzene
Concen: 40.234 ug/l
RT: 12.62 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.4	31.2





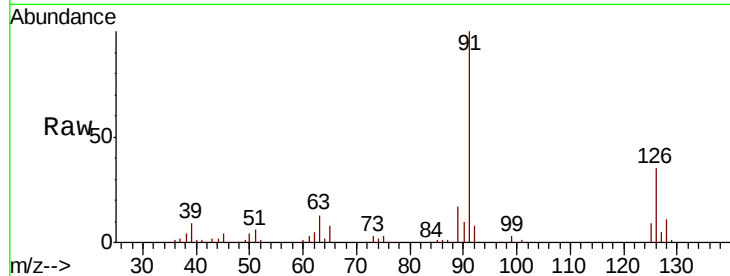
#79
 2-Chlorotoluene
 Concen: 47.337 ug/l
 RT: 12.69 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

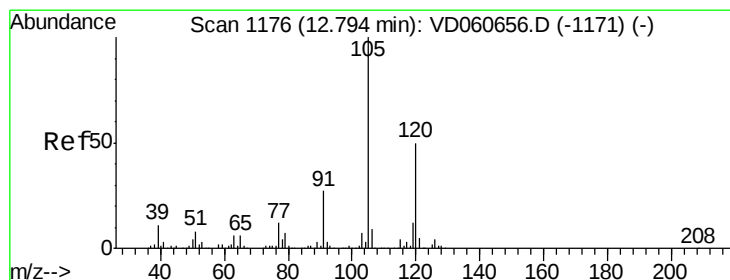
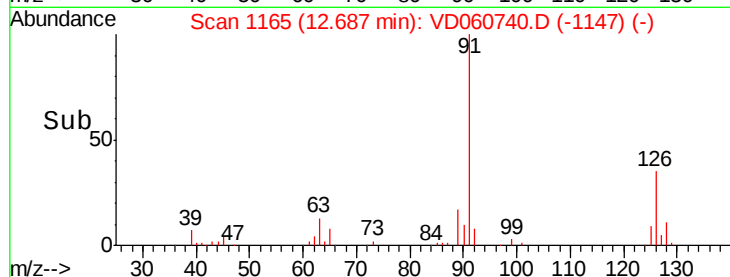
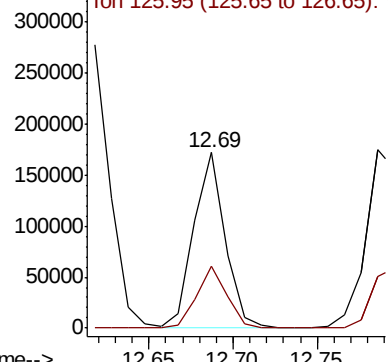
Tot Ion: 91 Resp: 222646
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.2 51.5

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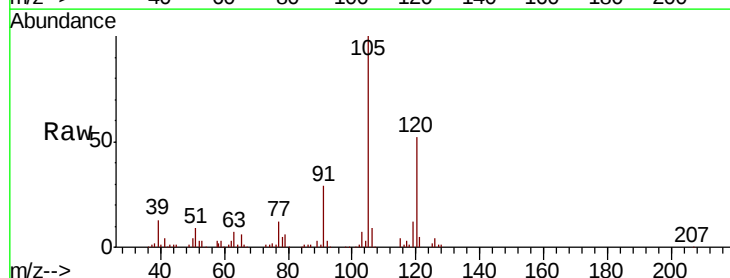


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

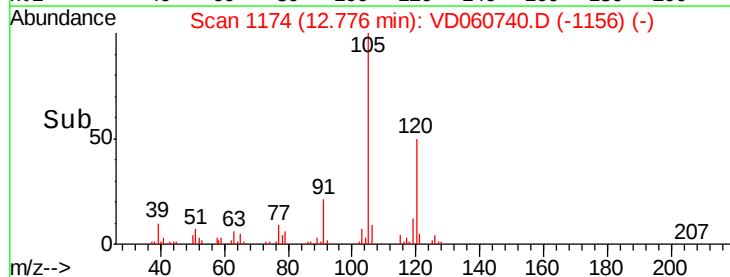
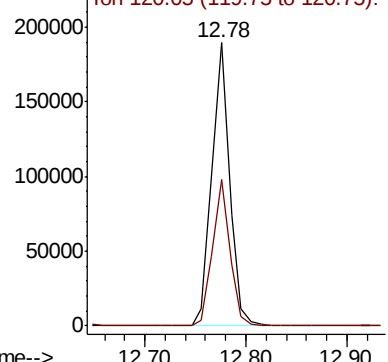


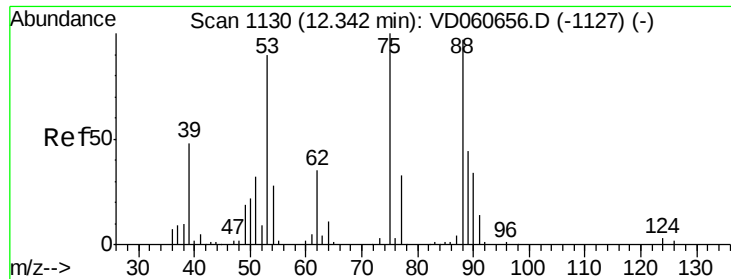
#80
 1,3,5-Trimethylbenzene
 Concen: 43.557 ug/l
 RT: 12.78 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion: 105 Resp: 231031
 Ion Ratio Lower Upper
 105 100
 120 51.6 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





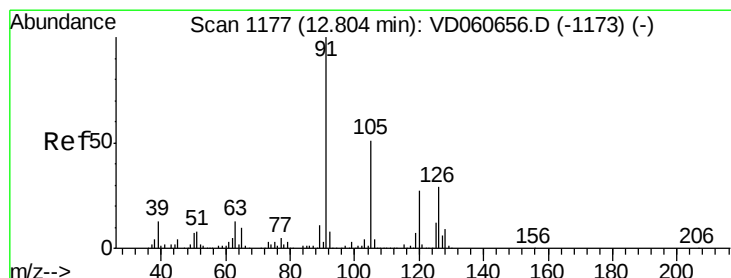
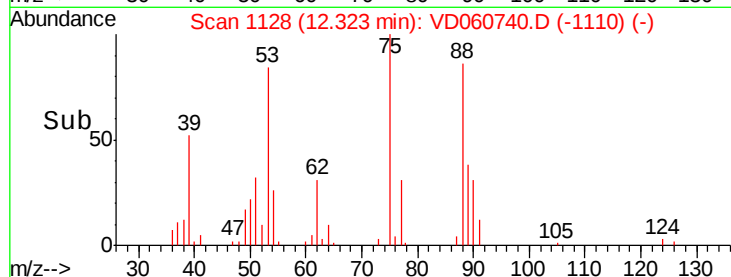
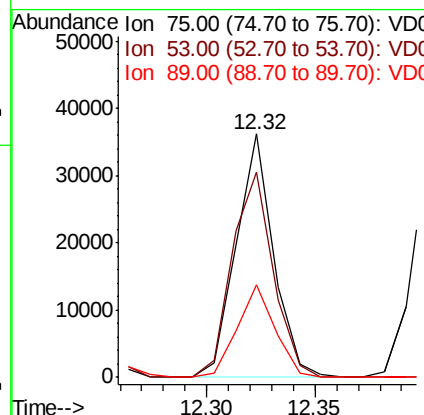
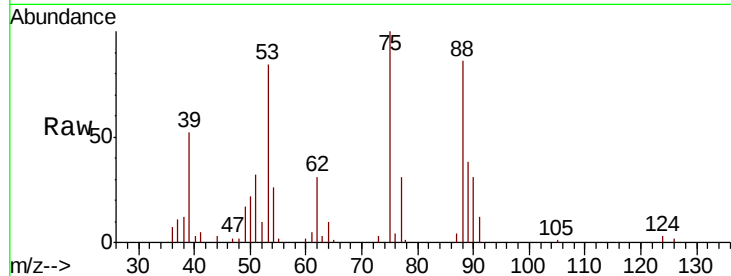
#81
trans-1,4-Dichloro-2-butene
Concen: 143.571 ug/l
RT: 12.32 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.0	72.1	108.1
89	37.9	35.1	52.7

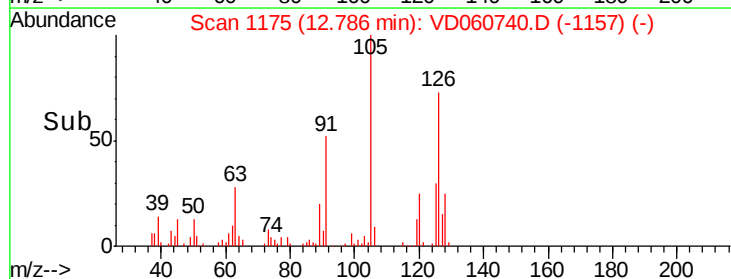
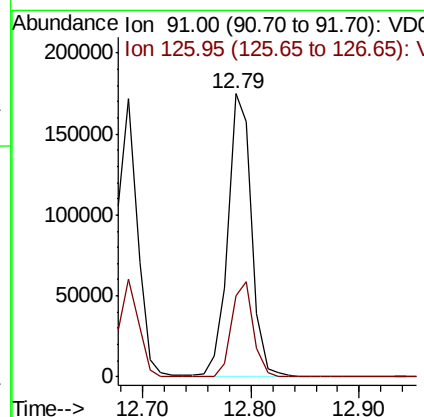
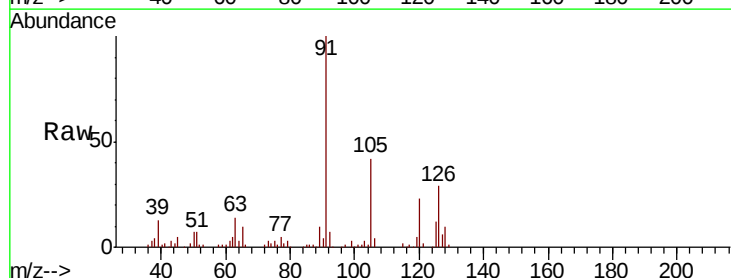
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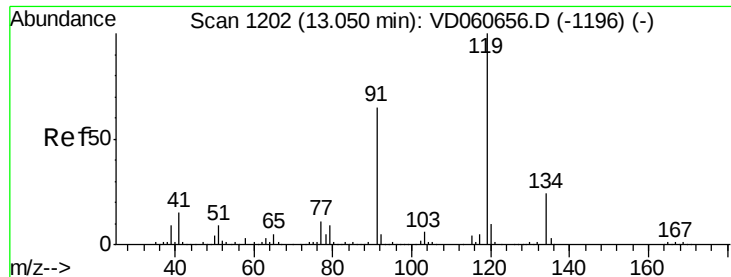
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#82
4-Chlorotoluene
Concen: 49.883 ug/l
RT: 12.79 min Scan# 1175
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.6	43.8





#83

tert-Butylbenzene

Concen: 43.371 ug/l

RT: 13.03 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

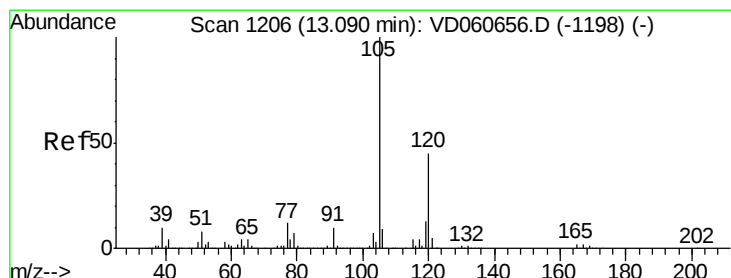
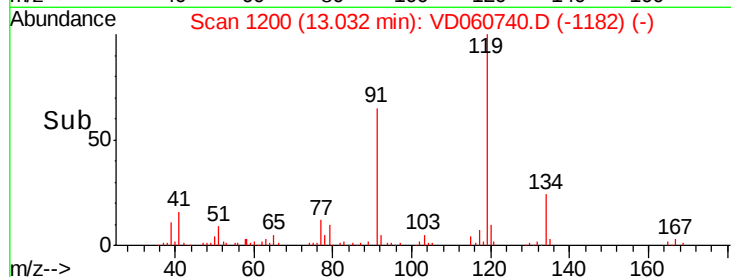
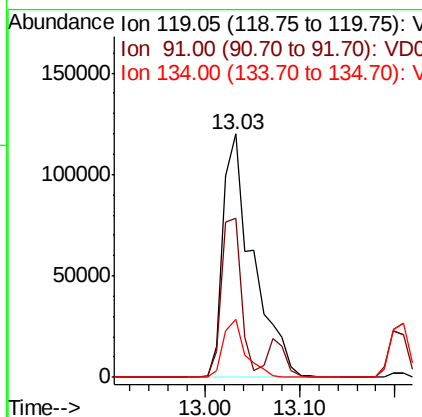
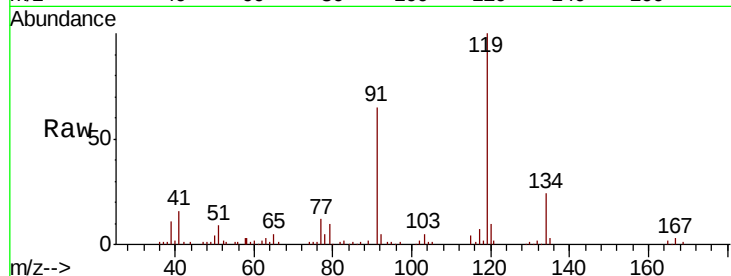
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	119	Resp:	261805
Ion Ratio	Lower	Upper	
119	100		
91	65.2	32.5	97.4
134	24.1	11.9	35.9

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#84

1,2,4-Trimethylbenzene

Concen: 45.921 ug/l

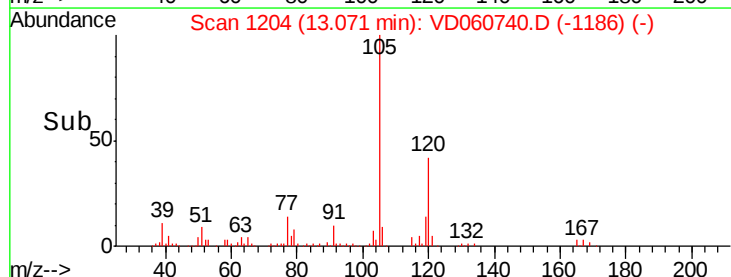
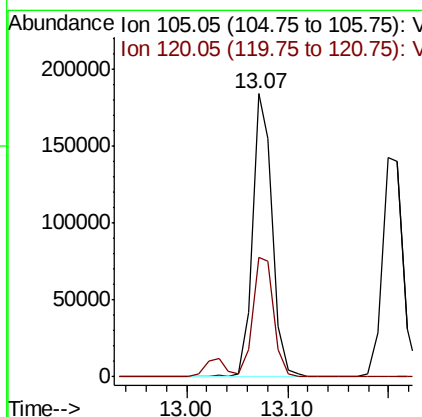
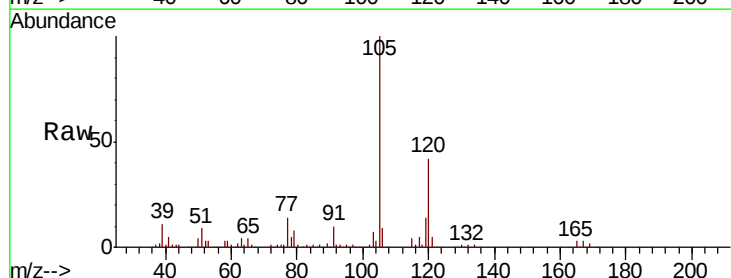
RT: 13.07 min Scan# 1204

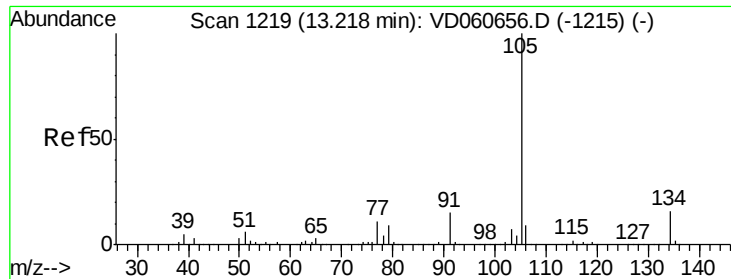
Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	105	Resp:	250861
Ion Ratio	Lower	Upper	
105	100		
120	42.3	22.4	67.0





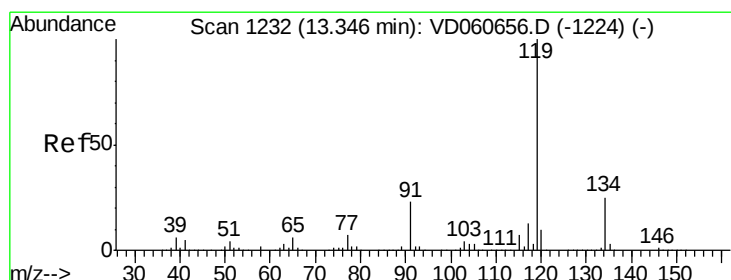
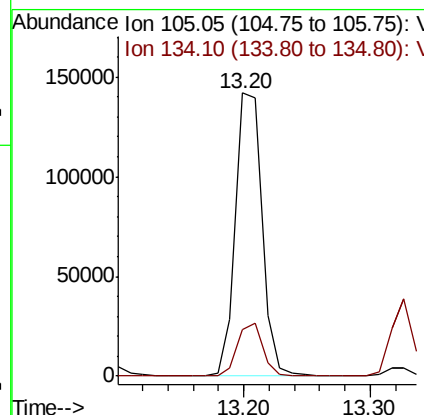
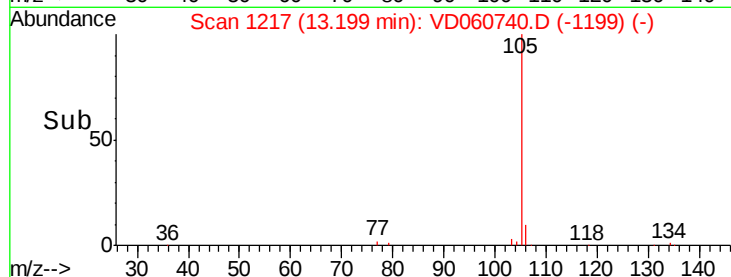
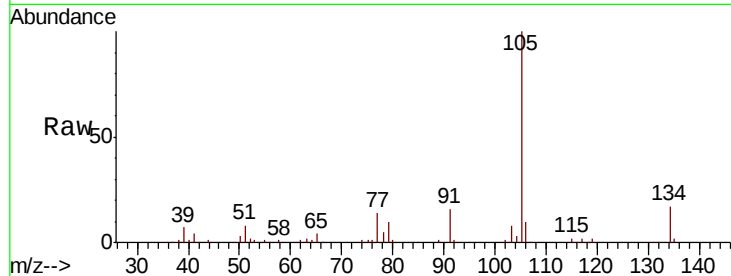
#85
 sec-Butylbenzene
 Concen: 28.006 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion:105 Resp: 206172
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4

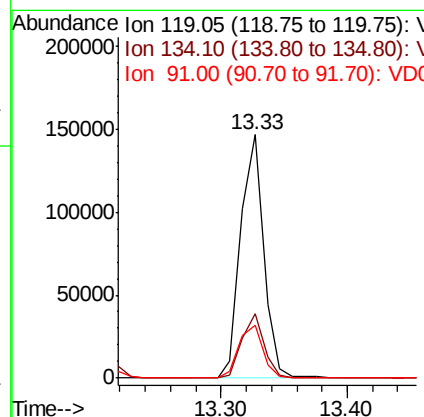
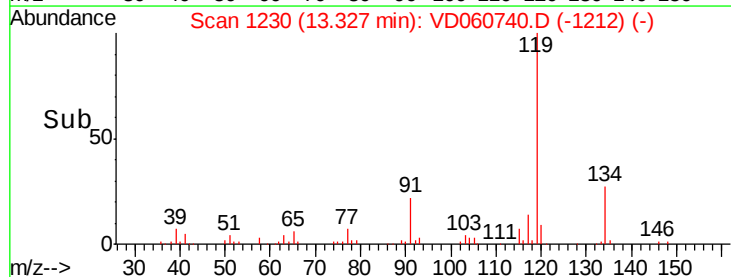
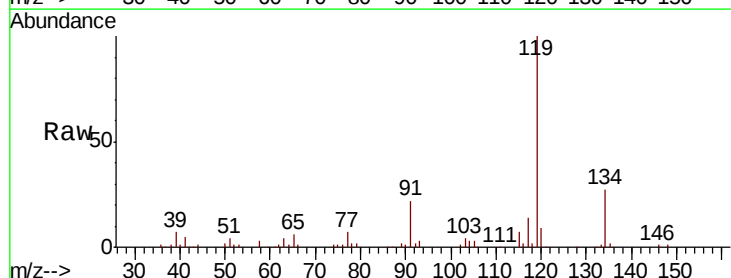
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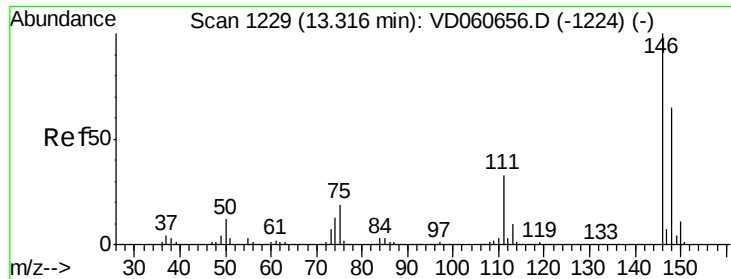
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#86
 p-Isopropyltoluene
 Concen: 31.056 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion:119 Resp: 184547
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.5 37.5
 91 21.5 11.4 34.2





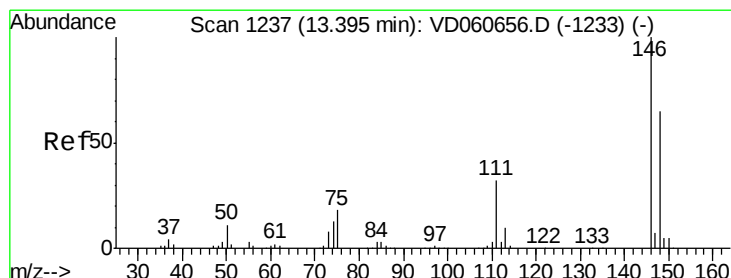
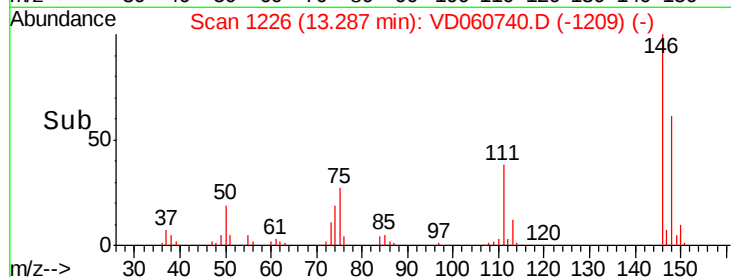
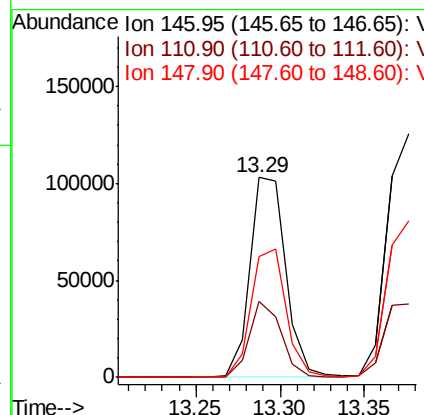
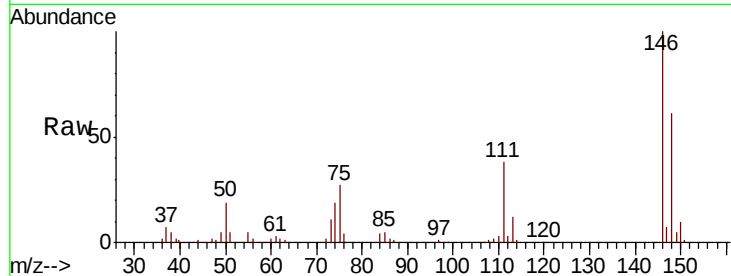
#87
 1,3-Dichlorobenzene
 Concen: 45.767 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	16.6	49.8
148	60.5	32.6	97.8

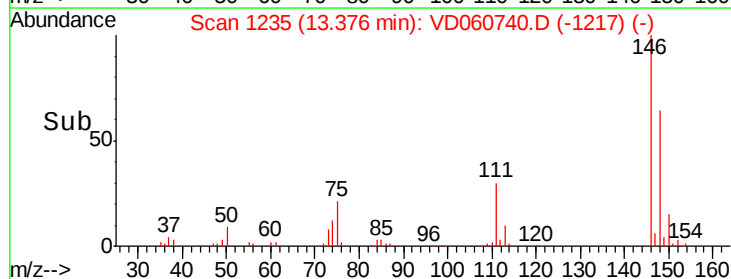
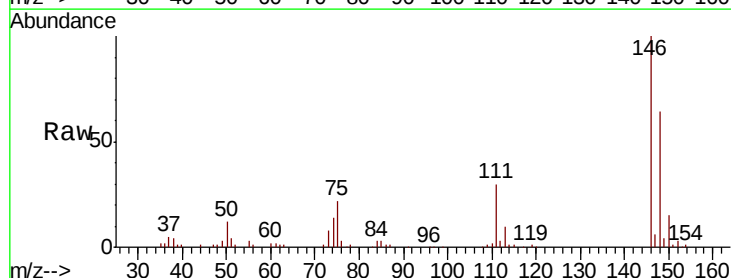
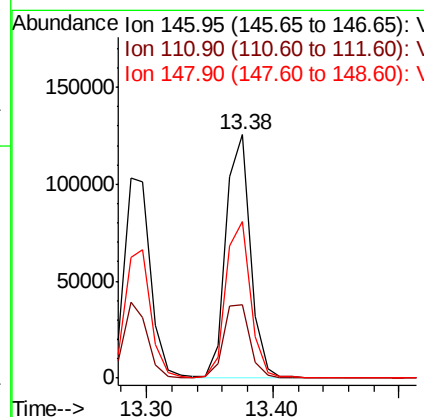
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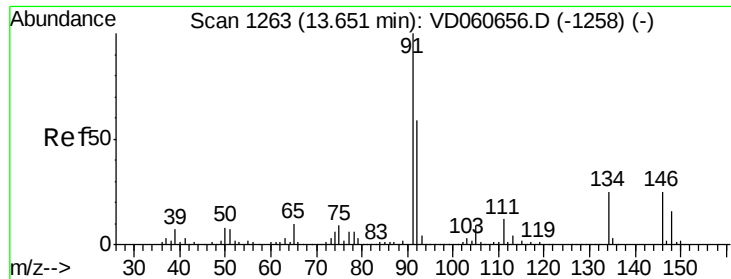
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#88
 1,4-Dichlorobenzene
 Concen: 51.557 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: VD060740.D
 Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.4	16.2	48.5
148	64.3	32.7	98.1





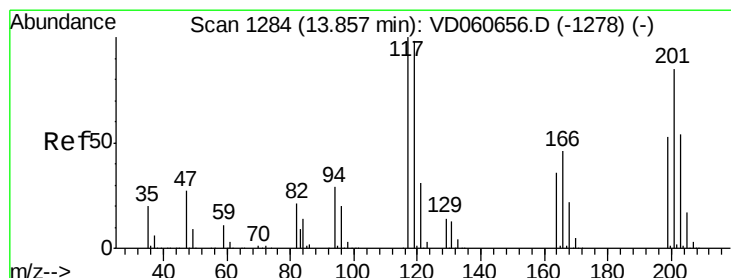
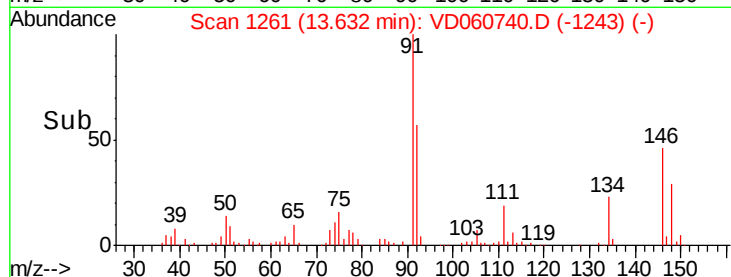
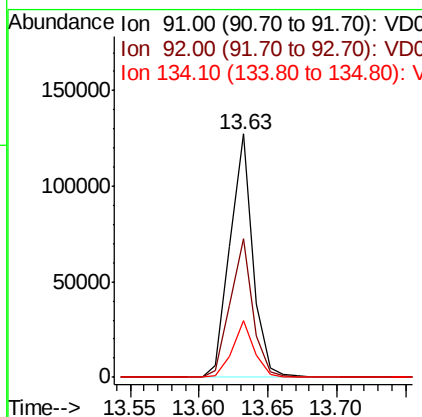
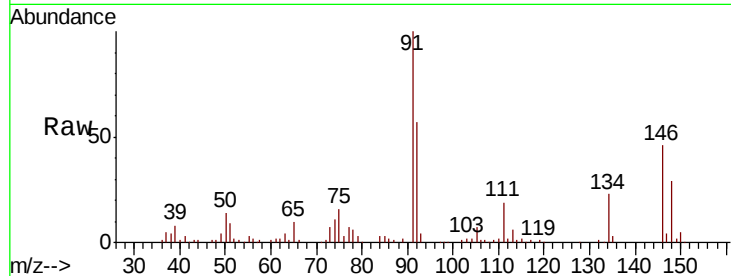
#89
n-Butylbenzene
Concen: 24.166 ug/l
RT: 13.63 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		146745		
92	56.9	29.7	89.1		
134	23.1	12.7	38.1		

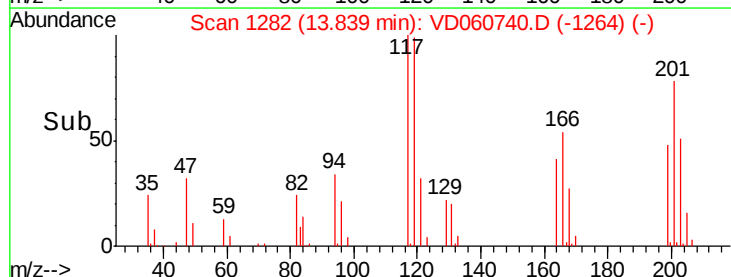
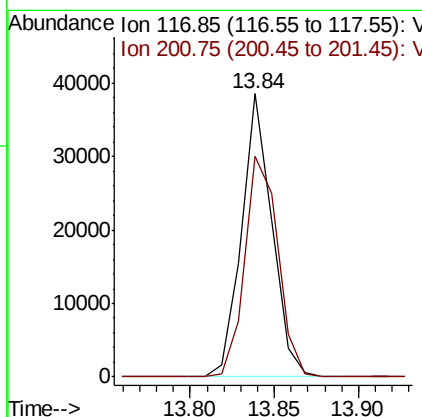
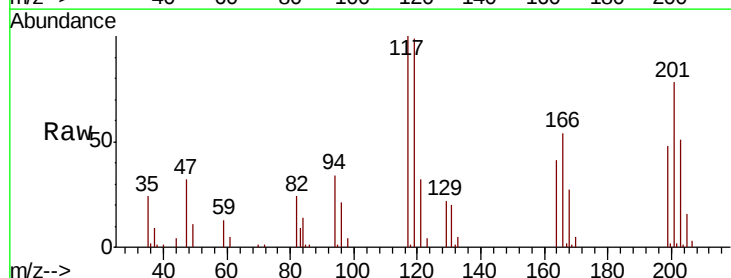
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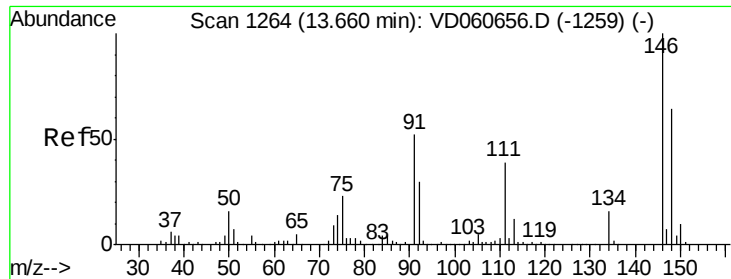
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#90
Hexachloroethane
Concen: 32.883 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		48003		
201	78.0	42.6	127.8		





#91

1,2-Dichlorobenzene

Concen: 58.783 ug/l

RT: 13.64 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

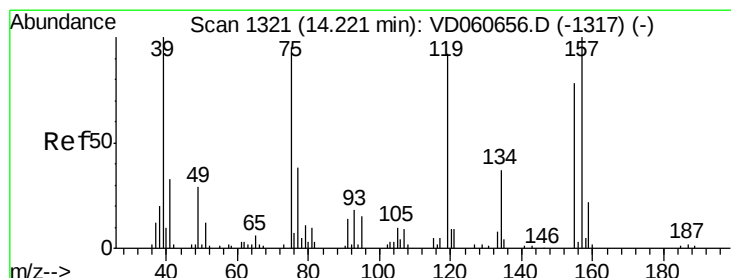
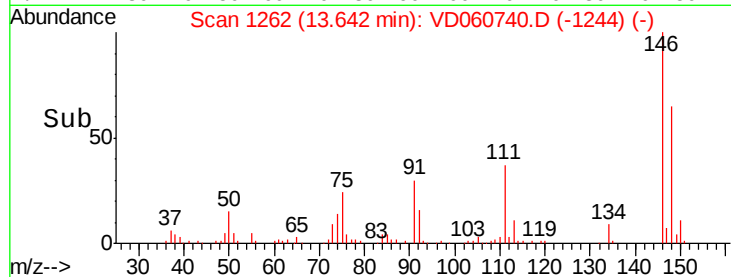
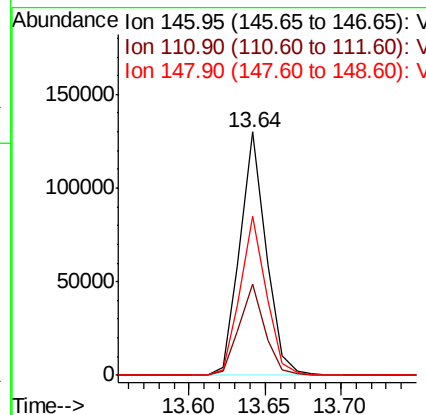
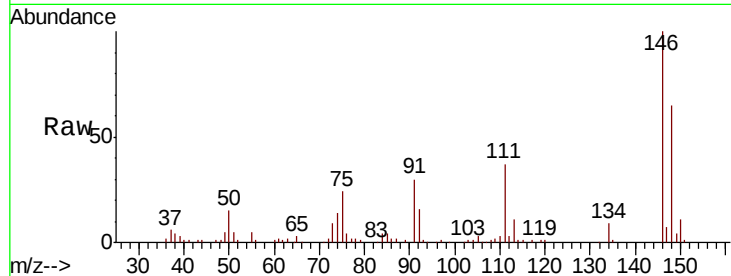
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	146	Resp:	156977
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.3	57.9
148	65.4	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 148.296 ug/l

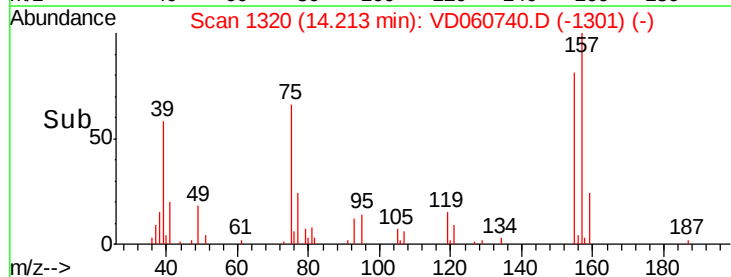
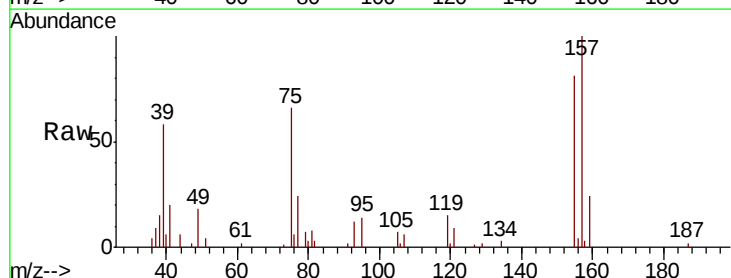
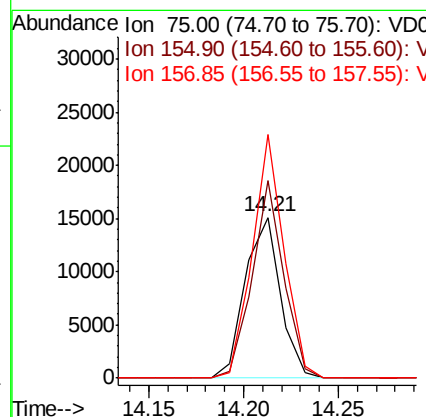
RT: 14.21 min Scan# 1320

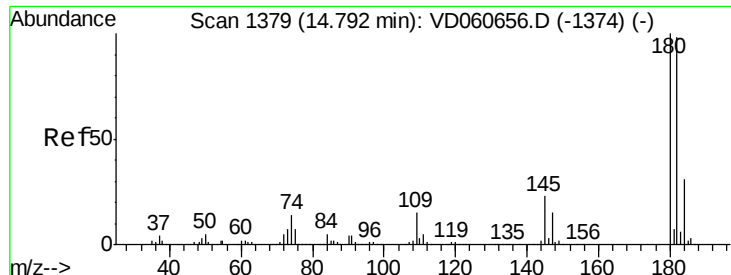
Delta R.T. -0.01 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	75	Resp:	19397
Ion Ratio	Lower	Upper	
75	100		
155	123.0	41.1	123.4
157	151.4	52.5	157.6





#93

1,2,4-Trichlorobenzene

Concen: 27.023 ug/l

RT: 14.77 min Scan# 1377

Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Instrument :

MSVOA_D

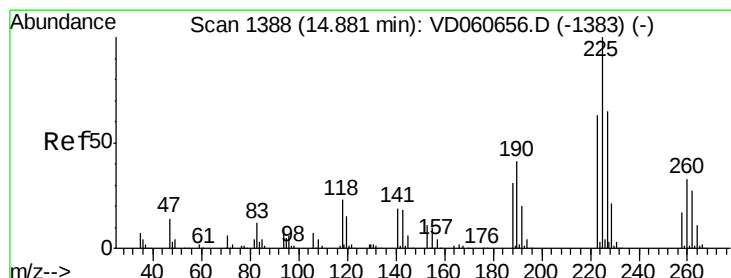
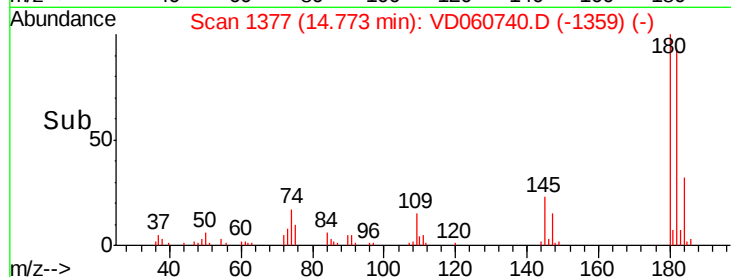
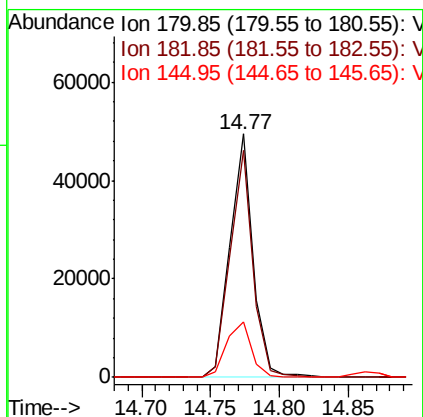
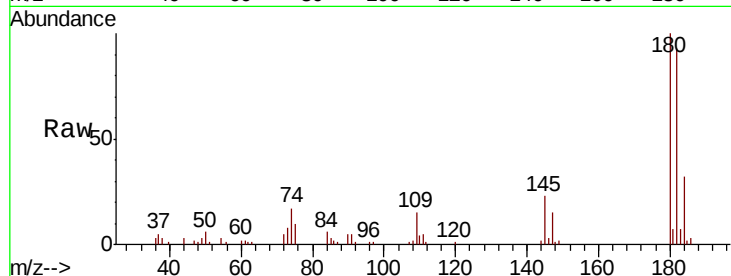
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	180	Resp:	57422
Ion Ratio	Lower	Upper	
180	100		
182	93.2	48.8	146.4
145	22.8	11.8	35.3

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#94

Hexachlorobutadiene

Concen: 13.345 ug/l

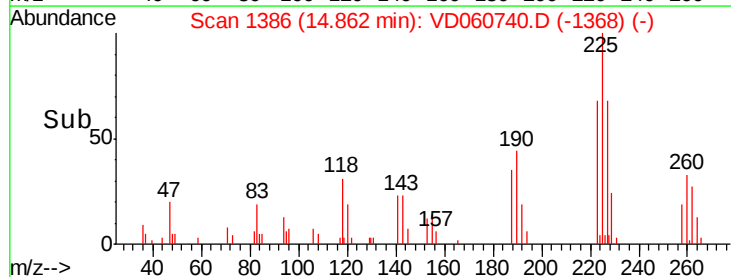
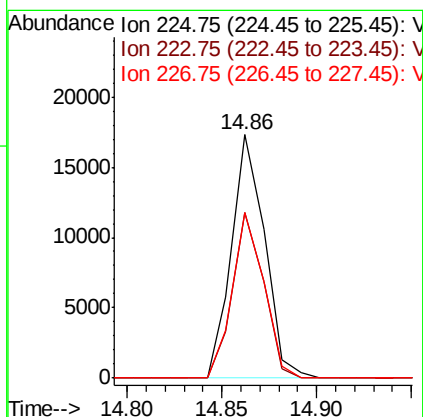
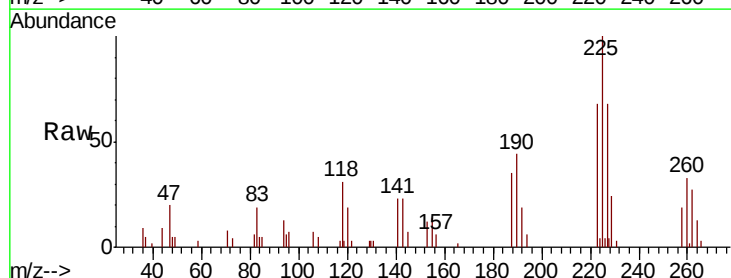
RT: 14.86 min Scan# 1386

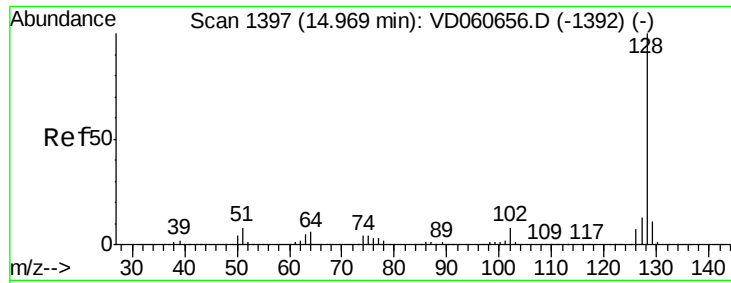
Delta R.T. -0.02 min

Lab File: VD060740.D

Acq: 27 Dec 2018 21:38

Tgt Ion:	225	Resp:	20961
Ion Ratio	Lower	Upper	
225	100		
223	67.8	31.3	93.8
227	67.9	32.5	97.4





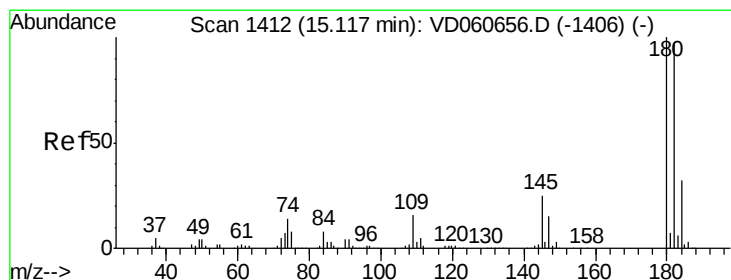
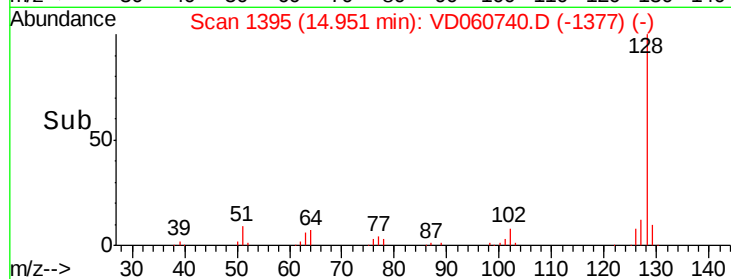
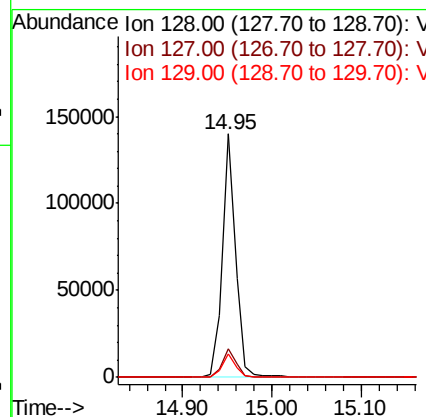
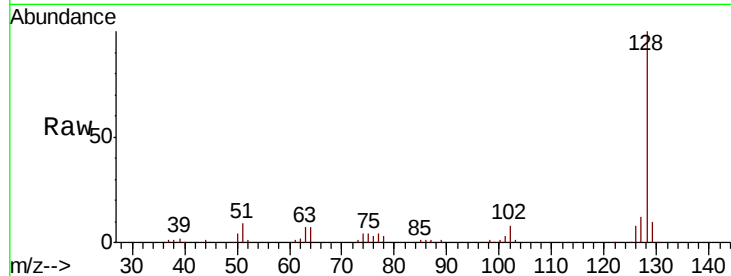
#95
Naphthalene
Concen: 57.668 ug/l
RT: 14.95 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.1	15.1
129	9.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 28.999 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD060740.D
Acq: 27 Dec 2018 21:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.4	48.6	145.9
145	30.4	12.6	37.8

