

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122718\
 Data File : VD060741.D
 Acq On : 27 Dec 2018 22:06
 Operator : VA/AP
 Sample : J6447-10MSD
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 12/28/2018 9:47:16 AM

Quant Time: Dec 28 03:09:46 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	6.38	168	569619	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	815383	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	532680	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	188616	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	347075	88.17	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	176.34%	
35) Dibromofluoromethane	6.29	113	438476	73.47	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	146.94%	
50) Toluene-d8	9.43	98	917652	51.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.41	95	237608	38.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	76.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	428209	58.834	ug/l	99
3) Chloromethane	1.75	50	410797	61.328	ug/l	99
4) Vinyl Chloride	1.84	62	313250	58.903	ug/l	100
5) Bromomethane	2.15	94	94577	79.393	ug/l	97
6) Chloroethane	2.24	64	121148	76.333	ug/l	99
7) Trichlorofluoromethane	2.49	101	324200	54.808	ug/l	99
8) Diethyl Ether	2.81	74	88078	88.999	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.07	101	164304	42.822	ug/l	91
10) Methyl Iodide	3.23	142	229507	56.915	ug/l	99
11) Tert butyl alcohol	3.93	59	79340	482.269	ug/l	98
12) 1,1-Dichloroethene	3.05	96	177043	56.156	ug/l	93
13) Acrolein	2.96	56	17119	102.113	ug/l	95
14) Allyl chloride	3.51	41	355645	61.478	ug/l	98
15) Acrylonitrile	4.06	53	405788	424.861	ug/l	98
16) Acetone	3.14	43	354060	515.034	ug/l	96
17) Carbon Disulfide	3.30	76	500327	49.692	ug/l	99
18) Methyl Acetate	3.53	43	357869	210.051	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	758234	94.796	ug/l	99
20) Methylene Chloride	3.69	84	502067	70.324	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	381981	59.162	ug/l	96
22) Diisopropyl ether	4.82	45	1616954	82.323	ug/l #	84
23) Vinyl Acetate	4.82	43	673426	70.867	ug/l #	80
24) 1,1-Dichloroethane	4.72	63	721332	69.820	ug/l	99
25) 2-Butanone	5.59	43	536022	407.471	ug/l	96
26) 2,2-Dichloropropane	5.55	77	436893	53.573	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	427043	65.155	ug/l	96
28) Bromochloromethane	5.90	49	334479	76.635	ug/l	92
29) Tetrahydrofuran	5.92	42	368807	494.546	ug/l	99
30) Chloroform	6.07	83	704532	67.771	ug/l	99
31) Cyclohexane	6.34	56	323774	32.565	ug/l	95
32) 1,1,1-Trichloroethane	6.26	97	444532	51.685	ug/l	98
36) 1,1-Dichloropropene	6.49	75	358986	42.756	ug/l	96
37) Ethyl Acetate	5.66	43	103447	29.459	ug/l #	87
38) Carbon Tetrachloride	6.47	117	323220	43.635	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	215268	22.480	ug/l	96
40) Benzene	6.76	78	1311028	60.450	ug/l	98
41) Methacrylonitrile	5.92	41	206858m	106.499	ug/l	
42) 1,2-Dichloroethane	6.86	62	422161	78.439	ug/l	98
43) Isopropyl Acetate	8.32	43	71956	15.968	ug/l #	99
44) Trichloroethene	7.71	130	308600	48.075	ug/l	96
45) 1,2-Dichloropropane	8.07	63	347537	65.342	ug/l	99
46) Dibromomethane	8.19	93	232747	76.673	ug/l	100
47) Bromodichloromethane	8.46	83	458223	63.732	ug/l	100
48) Methyl methacrylate	8.22	41	210534	76.923	ug/l	93
49) 1,4-Dioxane	8.20	88	50468	1983.196	ug/l	96
51) 4-Methyl-2-Pentanone	9.31	43	1122496	406.575	ug/l	100
52) Toluene	9.52	92	669756	49.261	ug/l	99
53) t-1,3-Dichloropropene	9.89	75	369175	61.547	ug/l	97
54) cis-1,3-Dichloropropene	9.07	75	469580	59.811	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	248777	68.007	ug/l	97
56) Ethyl methacrylate	10.01	69	67786	19.950	ug/l	97
57) 1,3-Dichloropropane	10.35	76	408229	70.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	744863	372.049	ug/l	97
59) 2-Hexanone	10.46	43	667549	345.433	ug/l	99
60) Dibromochloromethane	10.62	129	297869	63.926	ug/l	100
61) 1,2-Dibromoethane	10.74	107	258359	68.090	ug/l	96
64) Tetrachloroethene	10.23	164	204954	42.451	ug/l	98
65) Chlorobenzene	11.29	112	608418	51.697	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	252780	66.802	ug/l	99
67) Ethyl Benzene	11.41	91	956866	47.474	ug/l	97
68) m/p-Xylenes	11.54	106	690651	93.764	ug/l	92
69) o-Xylene	11.92	106	335700	48.038	ug/l	91
70) Styrene	11.94	104	526226	46.755	ug/l	96
71) Bromoform	12.10	173	179853	72.004	ug/l	97
73) Isopropylbenzene	12.26	105	736057	54.810	ug/l	99
74) N-amyl acetate	12.12	43	20835	6.574	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.55	83	238737	109.677	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	237407	110.557	ug/l	96
77) Bromobenzene	12.53	156	245314	69.191	ug/l	88
78) n-propylbenzene	12.63	91	843235	49.116	ug/l	99
79) 2-Chlorotoluene	12.69	91	473616	51.505	ug/l	96
80) 1,3,5-Trimethylbenzene	12.77	105	513282	49.497	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.32	75	58173	98.039	ug/l	94
82) 4-Chlorotoluene	12.79	91	537789	51.598	ug/l	92
83) tert-Butylbenzene	13.03	119	597033	50.589	ug/l	94
84) 1,2,4-Trimethylbenzene	13.08	105	536670	50.249	ug/l	98
85) sec-Butylbenzene	13.21	105	539214	37.465	ug/l	97
86) p-Isopropyltoluene	13.33	119	461292	39.706	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	308909	47.462	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	318430	49.650	ug/l	98
89) n-Butylbenzene	13.63	91	377389	31.788	ug/l	95
90) Hexachloroethane	13.85	117	116377	40.776	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	288667	55.290	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.21	75	24627	96.303	ug/l	97

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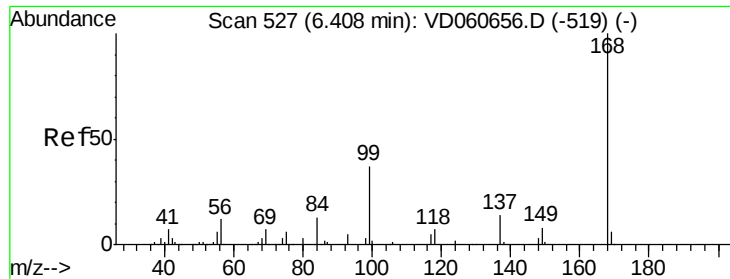
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	101439	24.417	ug/l	97
94) Hexachlorobutadiene	14.87	225	57062	18.582	ug/l	96
95) Naphthalene	14.96	128	197385	39.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	77235	23.782	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 524

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:168 Resp: 569619

Ion Ratio Lower Upper

168 100

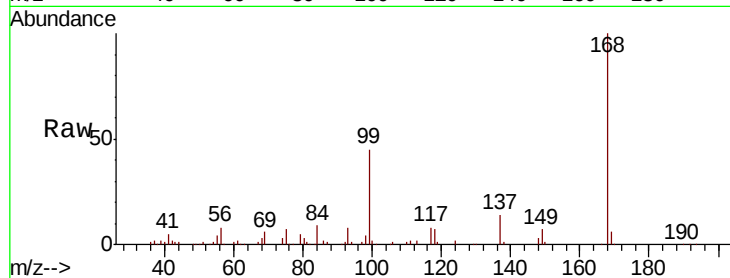
99 44.7 38.7 58.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

250000

200000

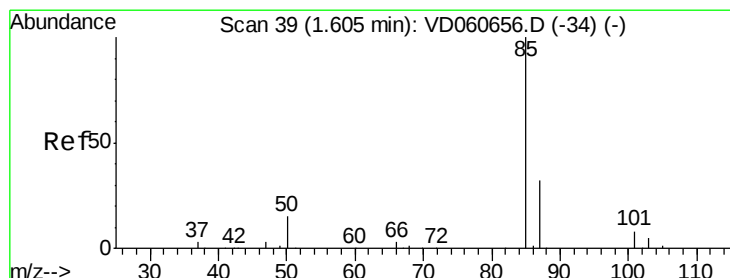
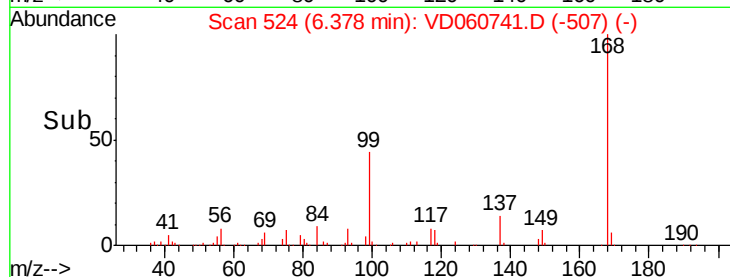
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 58.834 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060741.D

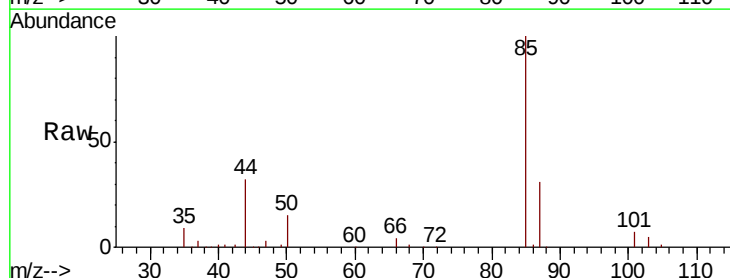
Acq: 27 Dec 2018 22:06

Tgt Ion: 85 Resp: 428209

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

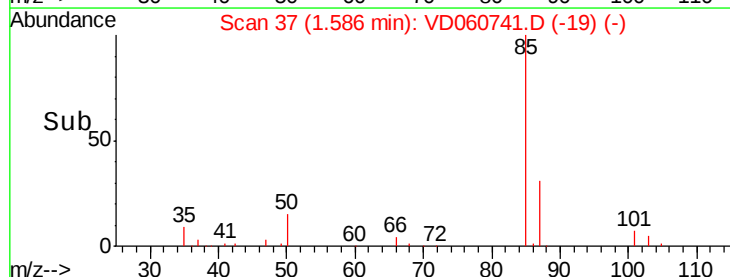
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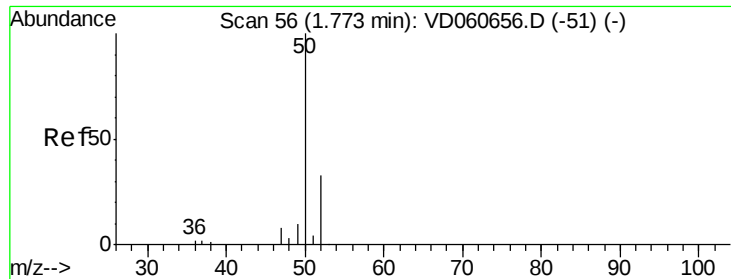
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50000

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Time-->





#3

Chloromethane

Concen: 61.328 ug/l

RT: 1.75 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 50 Resp: 410797

Ion Ratio Lower Upper

50 100

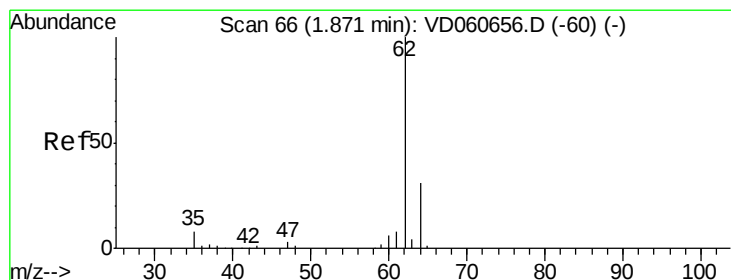
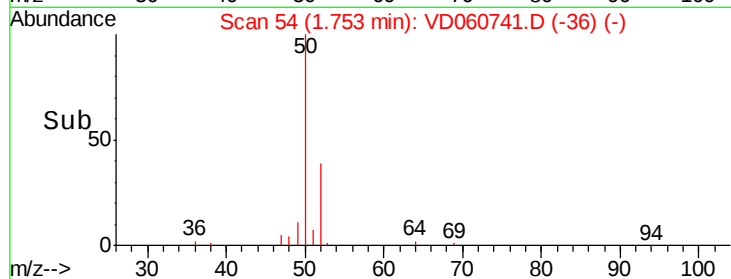
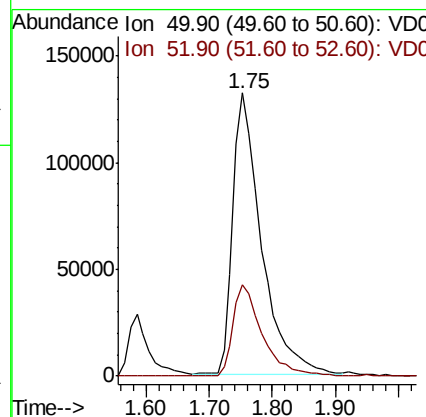
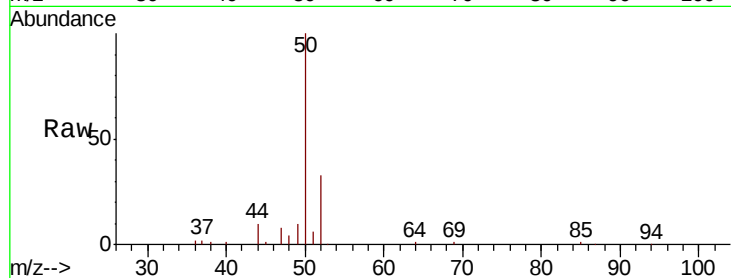
52 32.5 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.903 ug/l

RT: 1.84 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060741.D

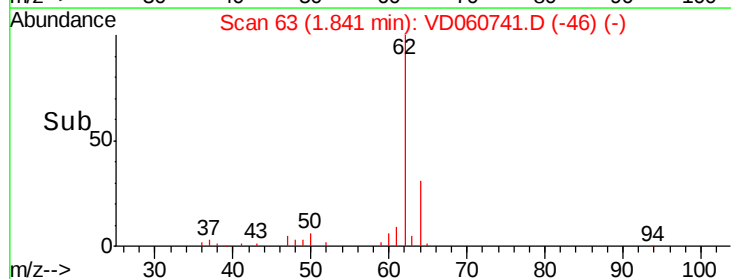
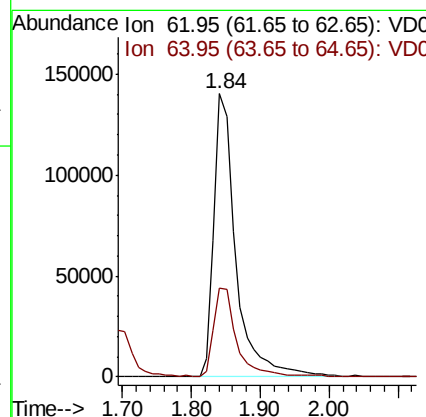
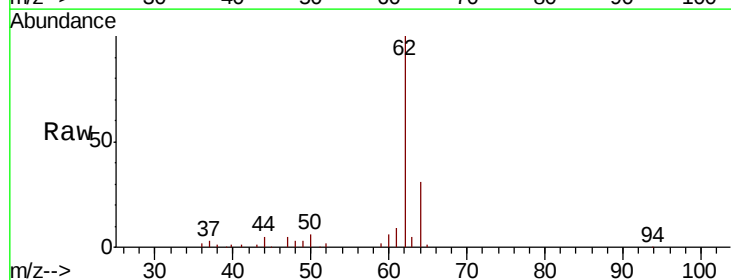
Acq: 27 Dec 2018 22:06

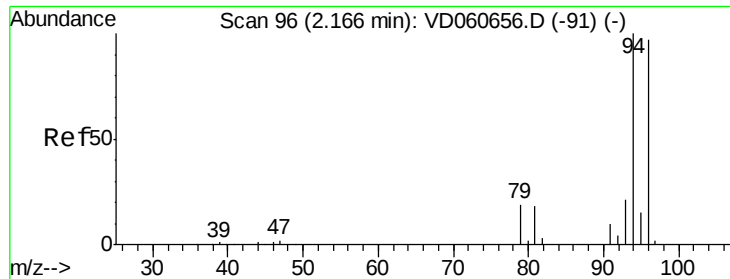
Tgt Ion: 62 Resp: 313250

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 79.393 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

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Tot Ion: 94 Resp: 94577

Ion Ratio Lower Upper

94 100

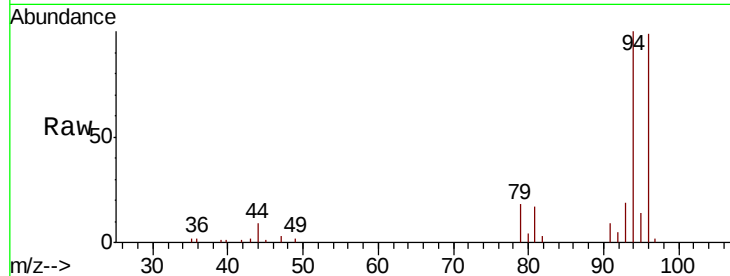
96 99.4 77.2 115.8

Manual Integrations

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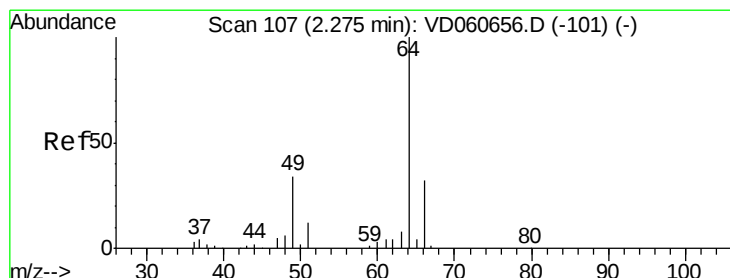
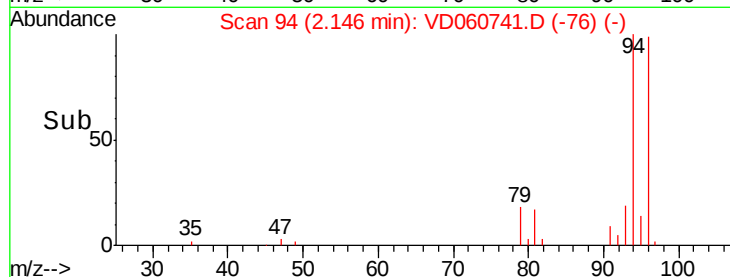
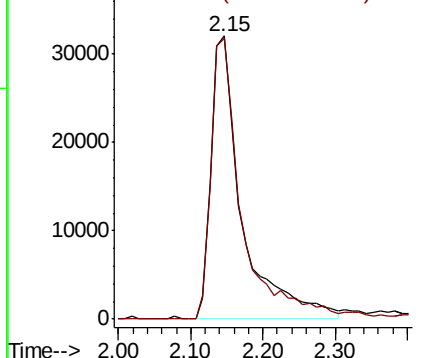
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 76.333 ug/l

RT: 2.24 min Scan# 104

Delta R.T. -0.03 min

Lab File: VD060741.D

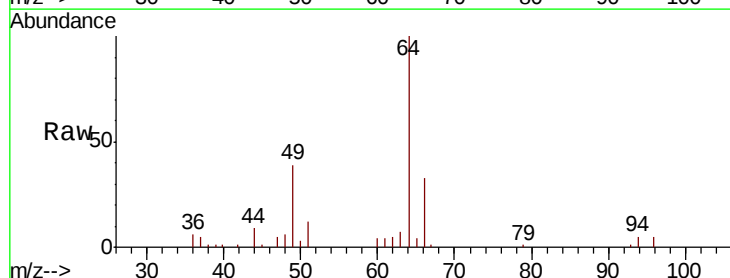
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Tgt Ion: 64 Resp: 121148

Ion Ratio Lower Upper

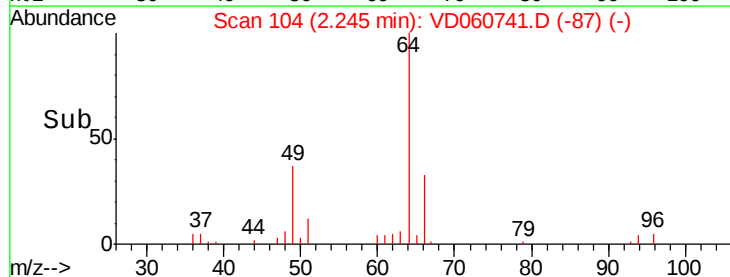
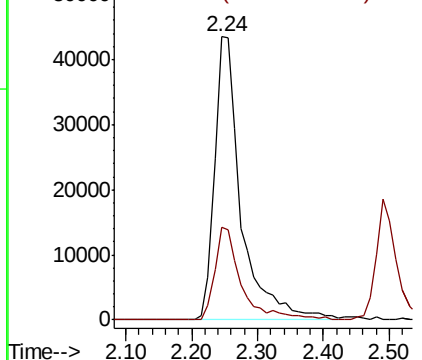
64 100

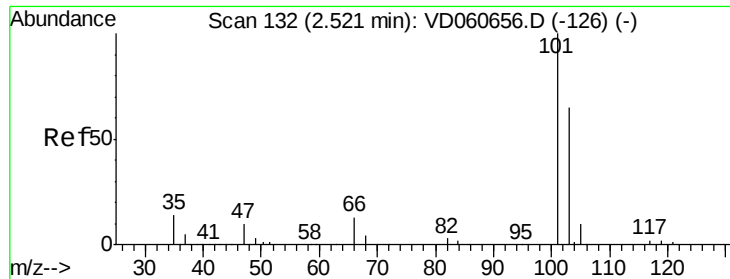
66 32.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

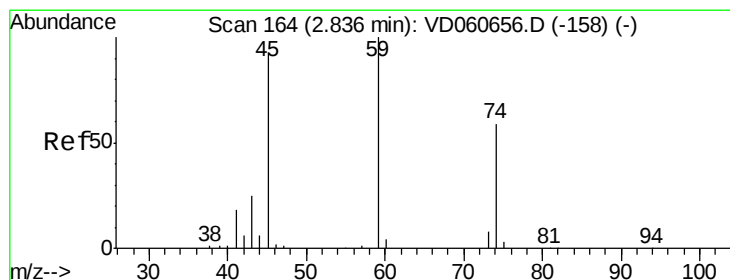
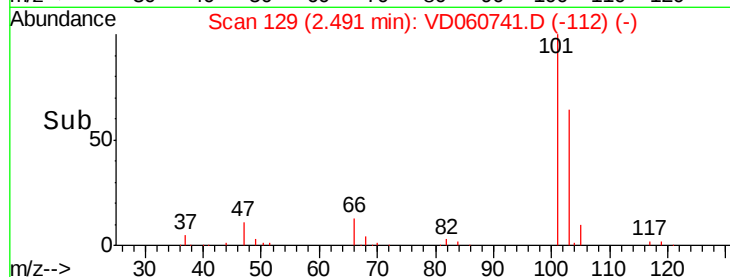
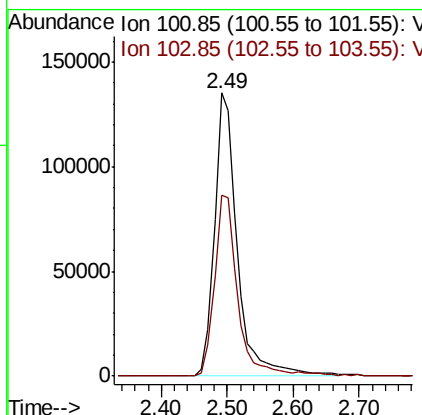
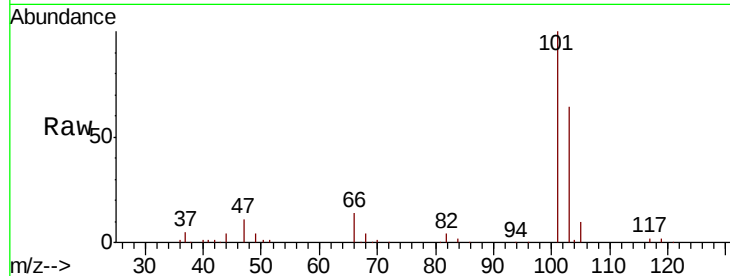
Trichlorofluoromethane
 Concen: 54.808 ug/l
 RT: 2.49 min Scan# 129
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.9	77.9

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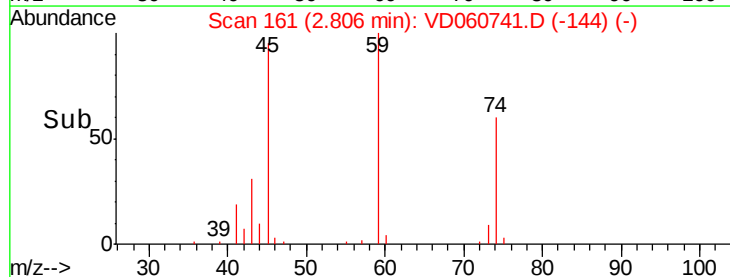
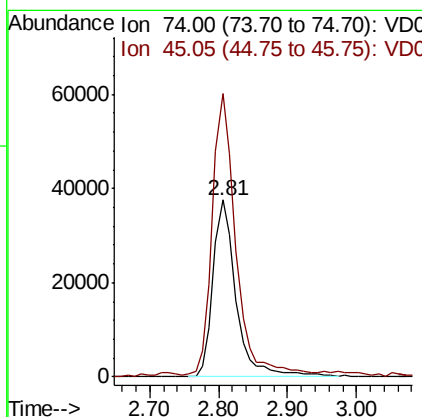
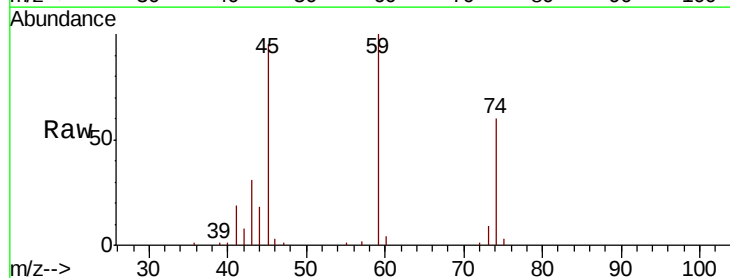
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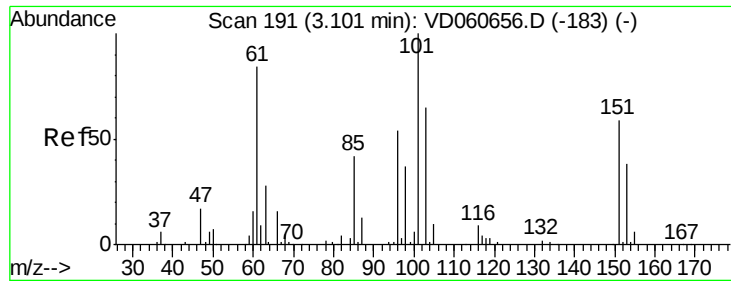


#8

Diethyl Ether
 Concen: 88.999 ug/l
 RT: 2.81 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	160.1	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.822 ug/l

RT: 3.07 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

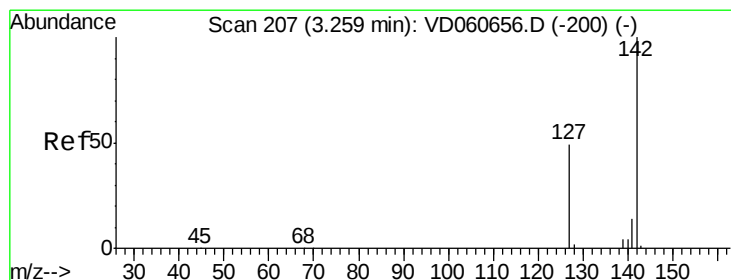
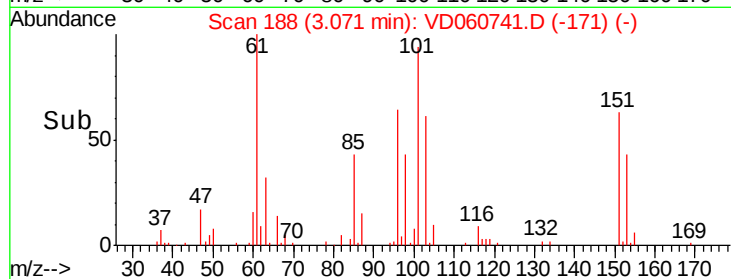
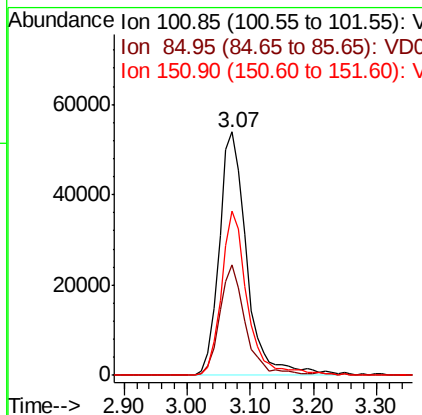
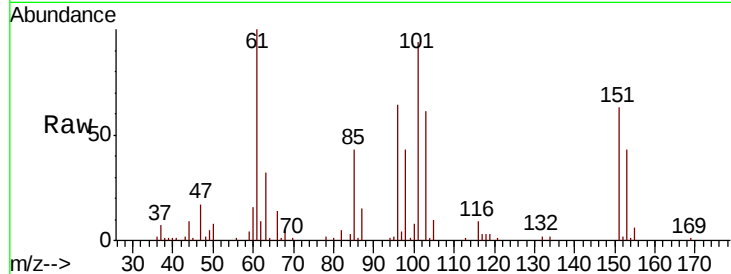
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	101	Resp:	164304
Ion Ratio	Lower	Upper	
101	100		
85	45.5	33.4	50.0
151	67.6	47.5	71.3

Manual Integrations
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#10

Methyl Iodide

Concen: 56.915 ug/l

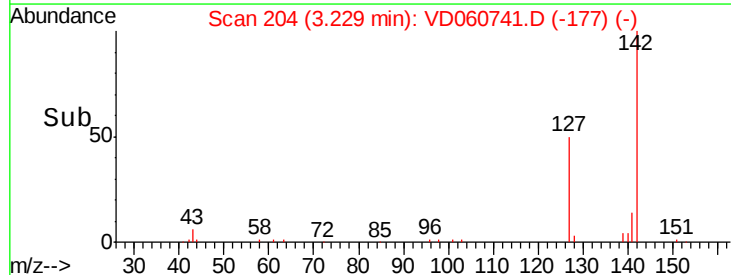
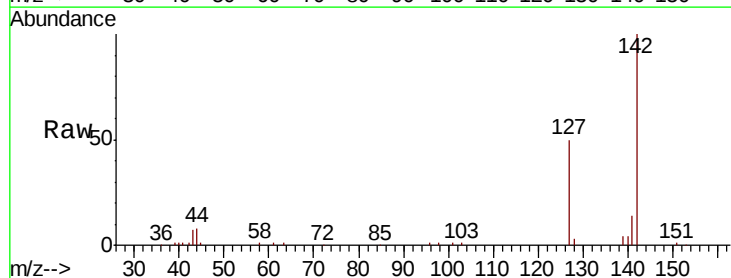
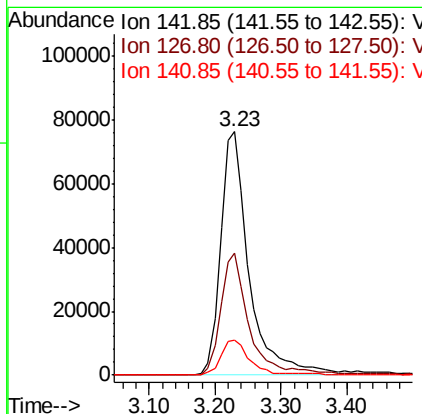
RT: 3.23 min Scan# 204

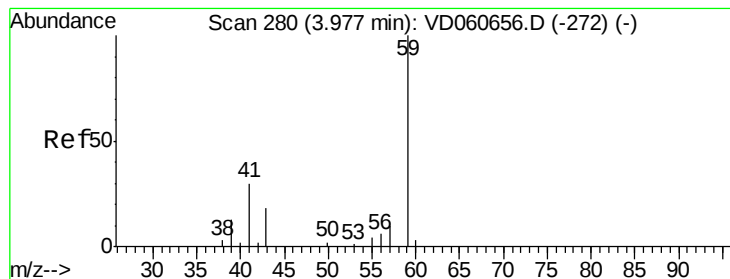
Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	142	Resp:	229507
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.5	59.3
141	14.2	11.3	16.9





#11

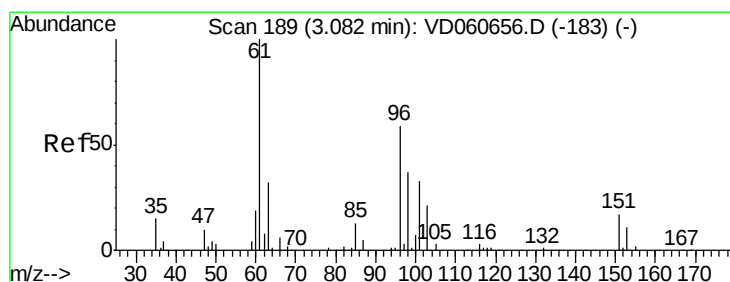
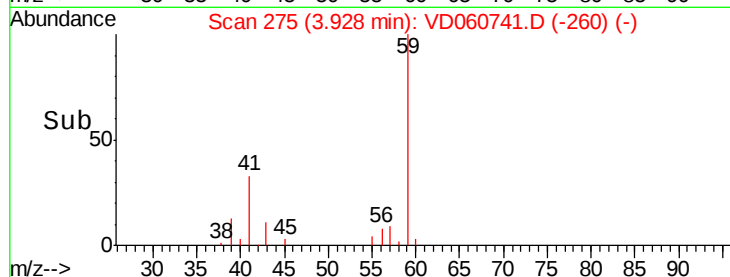
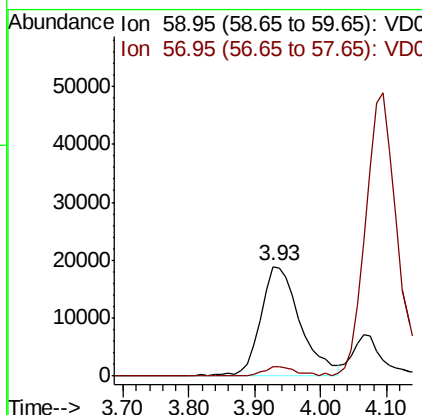
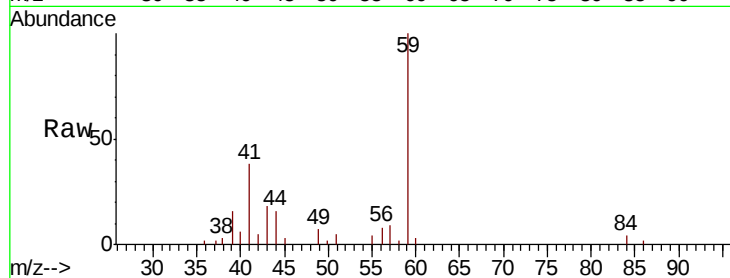
Tert butyl alcohol
Concen: 482.269 ug/l
RT: 3.93 min Scan# 275
Delta R.T. -0.05 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	79340		
57	57	9.1		7.8	11.6

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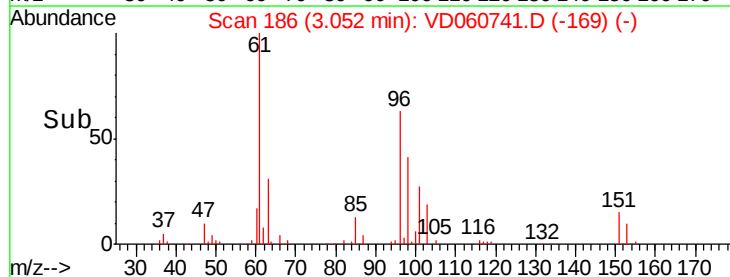
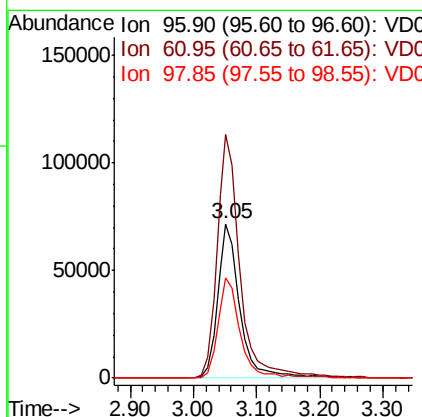
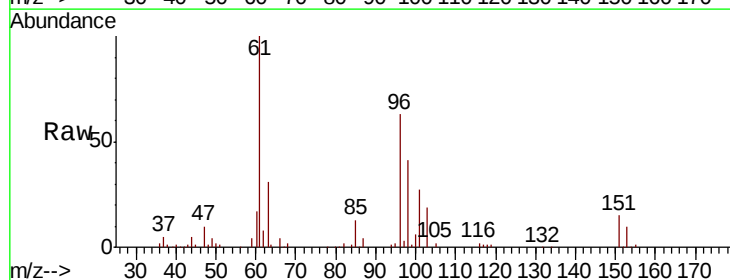
apatel
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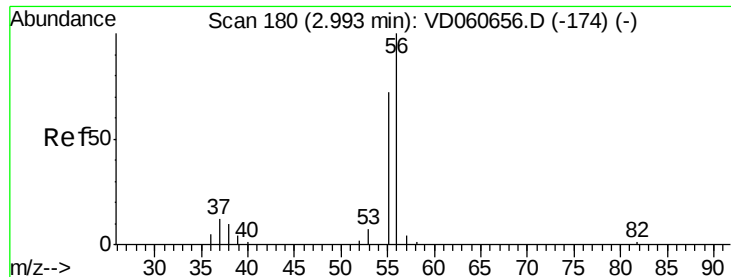


#12

1,1-Dichloroethene
Concen: 56.156 ug/l
RT: 3.05 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	177043		
61	61	157.5		136.2	204.4
98	98	65.0		50.7	76.1





#13

Acrolein

Concen: 102.113 ug/l

RT: 2.96 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 56 Resp: 17119

Ion Ratio Lower Upper

56 100

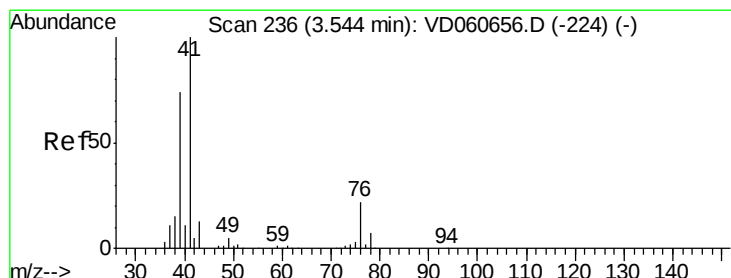
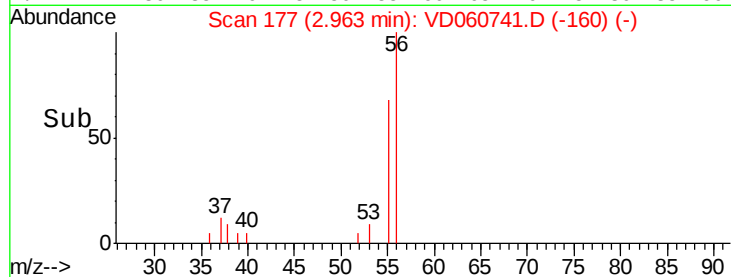
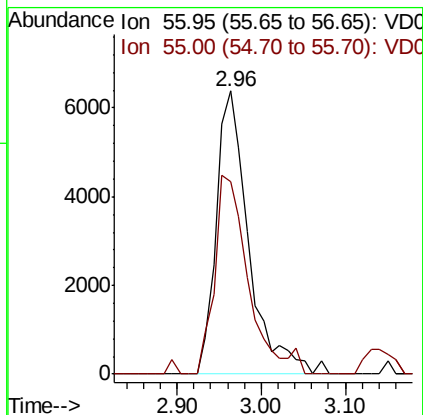
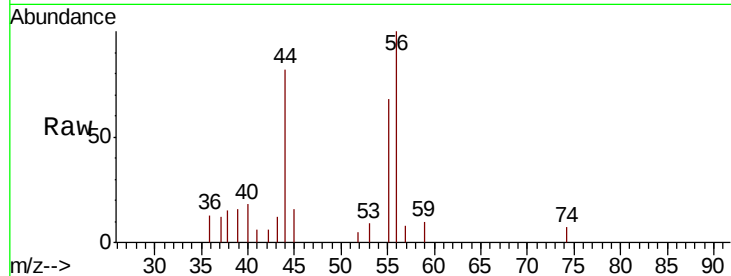
55 67.9 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 61.478 ug/l

RT: 3.51 min Scan# 233

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

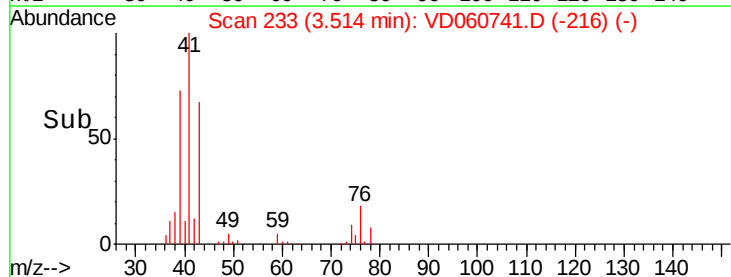
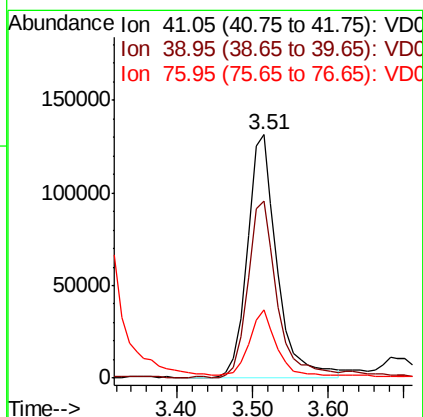
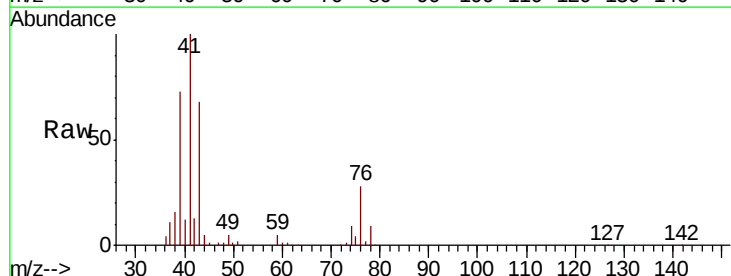
Tgt Ion: 41 Resp: 355645

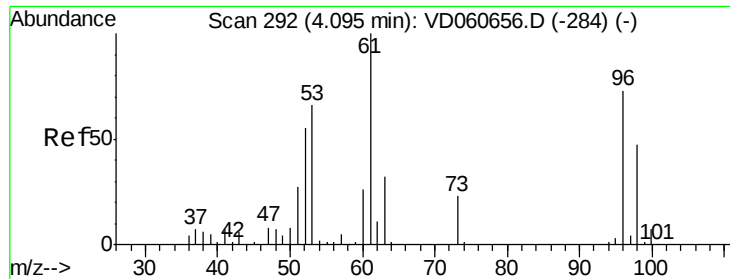
Ion Ratio Lower Upper

41 100

39 72.8 59.6 89.4

76 28.3 21.8 32.6





#15

Acrylonitrile

Concen: 424.861 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 53 Resp: 405788

Ion Ratio Lower Upper

53 100

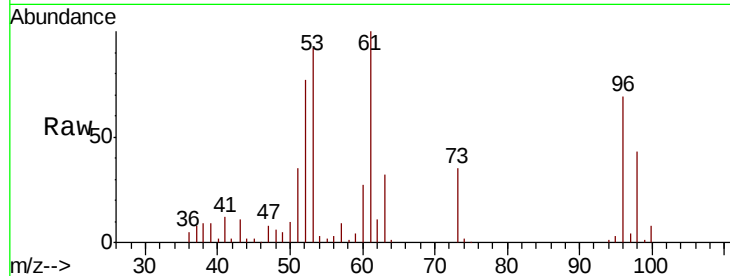
52 83.8 66.7 100.1

51 37.6 32.7 49.1

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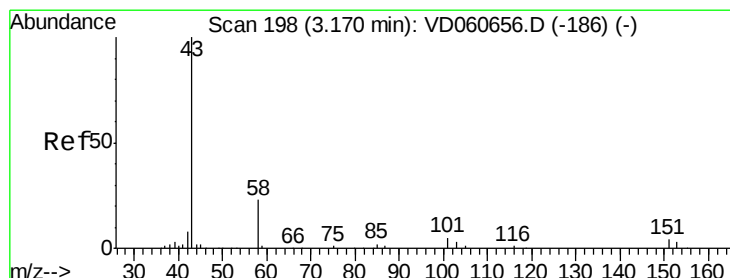
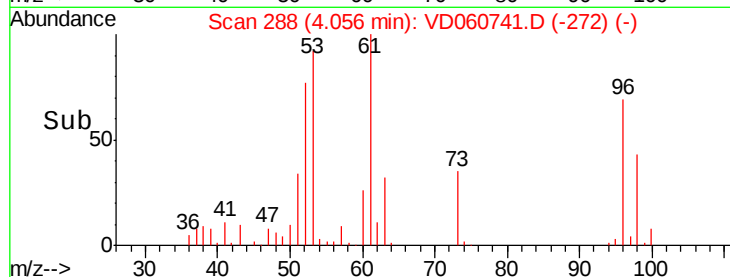
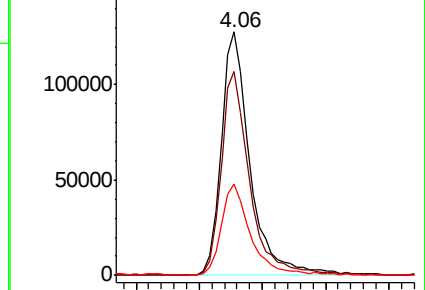
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Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 515.034 ug/l

RT: 3.14 min Scan# 195

Delta R.T. -0.03 min

Lab File: VD060741.D

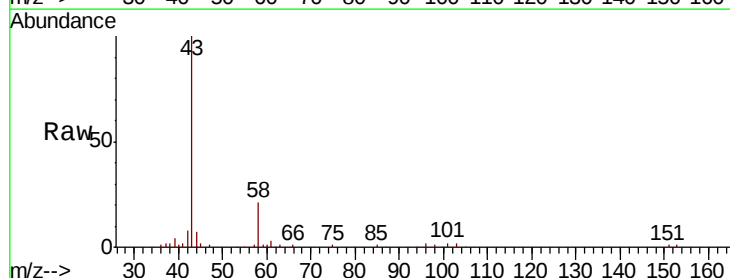
Acq: 27 Dec 2018 22:06

Tgt Ion: 43 Resp: 354060

Ion Ratio Lower Upper

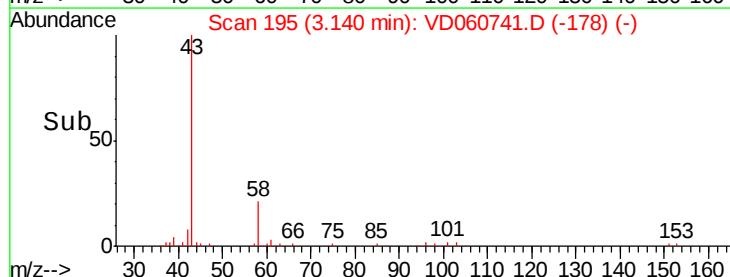
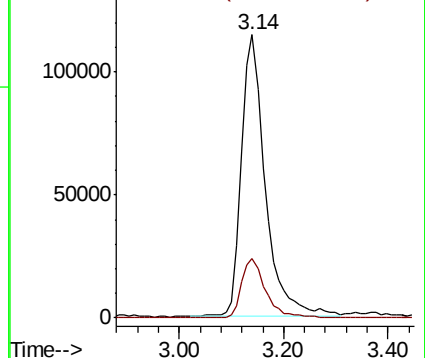
43 100

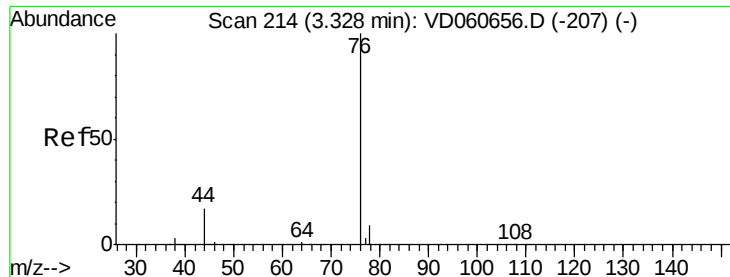
58 20.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





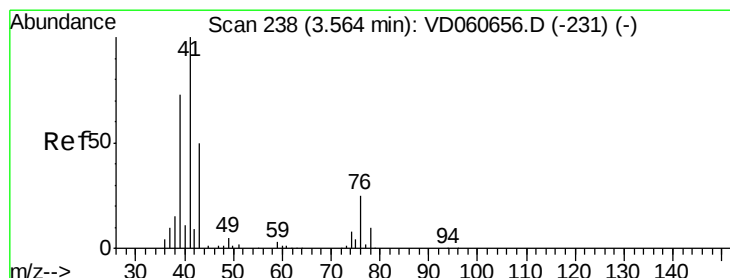
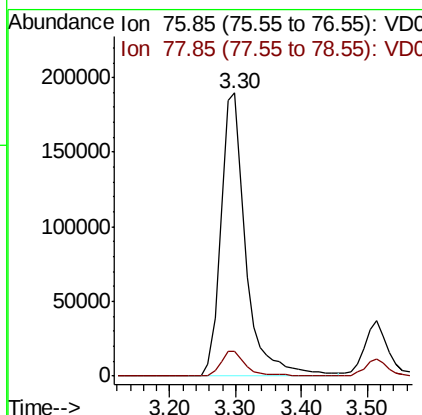
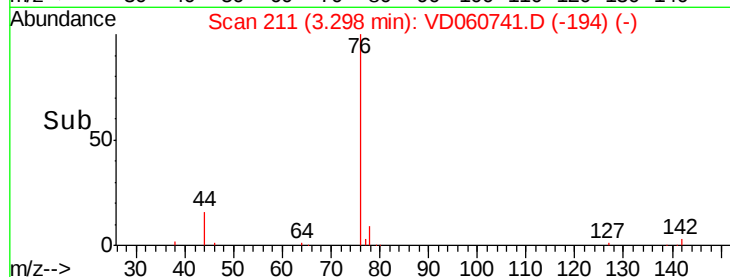
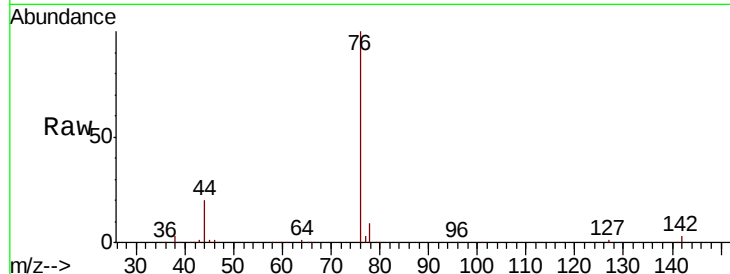
#17
Carbon Disulfide
Concen: 49.692 ug/l
RT: 3.30 min Scan# 211
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 76 Resp: 500327
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

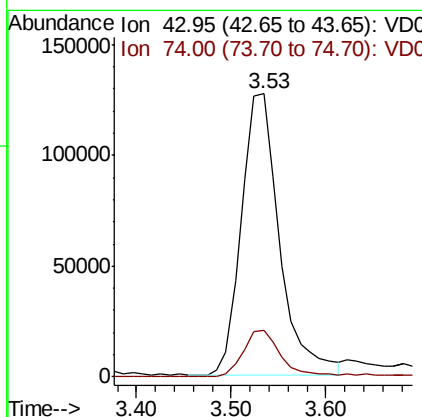
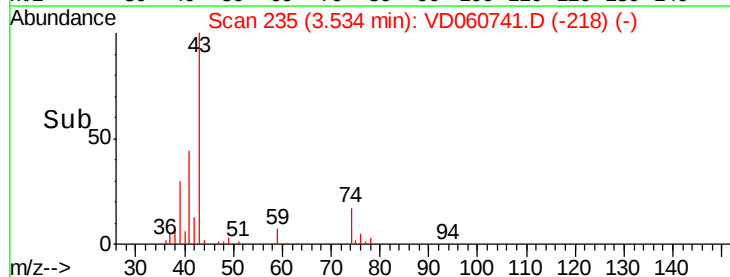
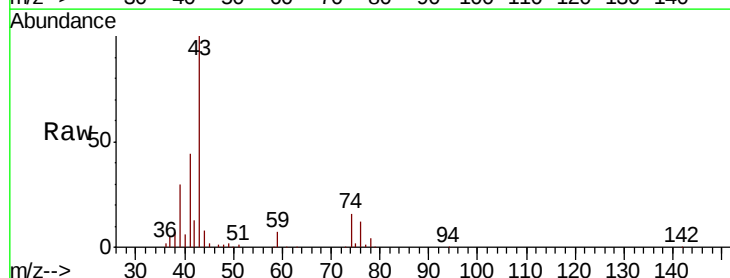
Manual Integrations
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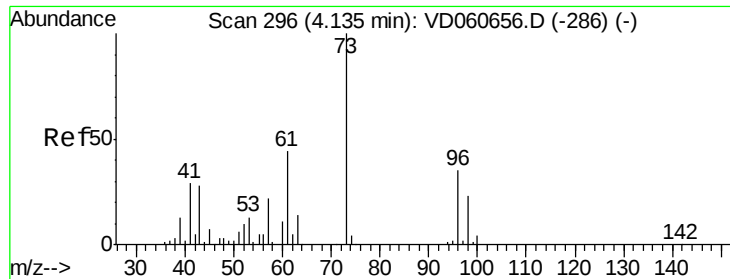
apatel
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#18
Methyl Acetate
Concen: 210.051 ug/l
RT: 3.53 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 43 Resp: 357869
Ion Ratio Lower Upper
43 100
74 16.3 12.4 18.6





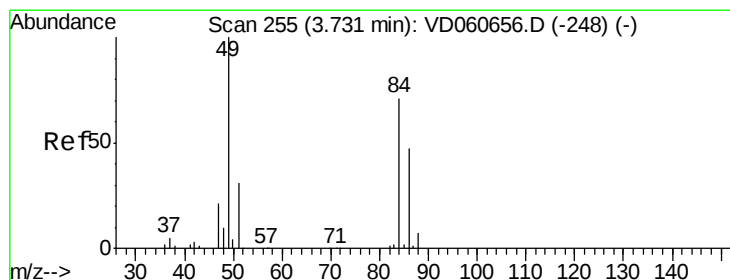
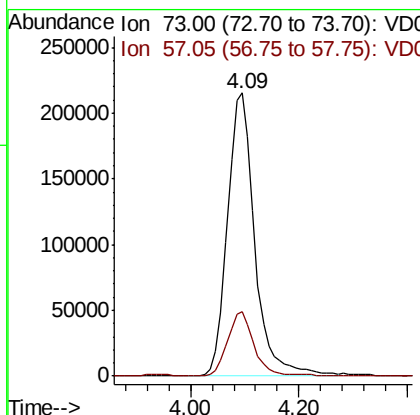
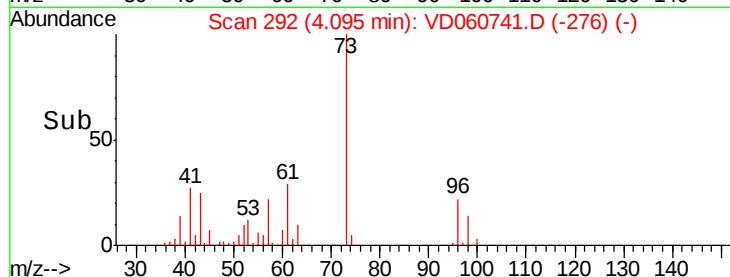
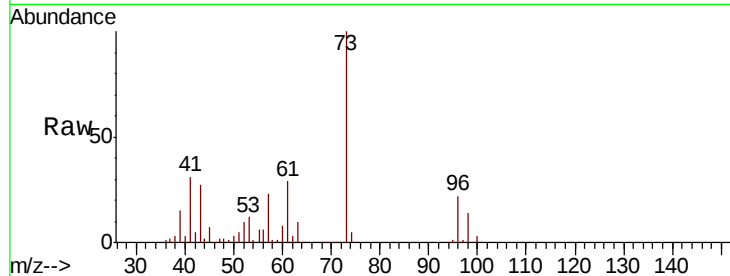
#19
Methvl tert-butvl Ether
Concen: 94.796 ug/l
RT: 4.09 min Scan# 292
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 73 Resp: 758234
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

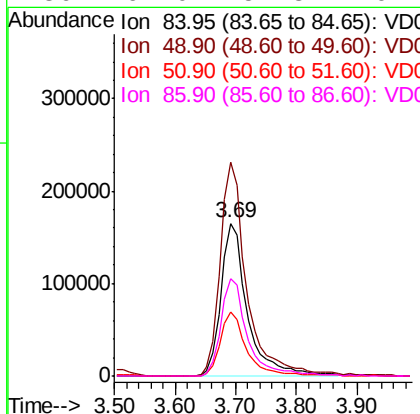
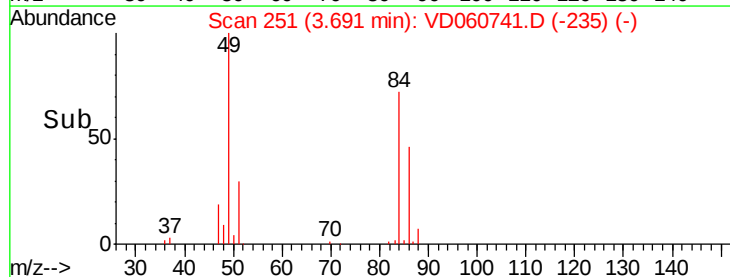
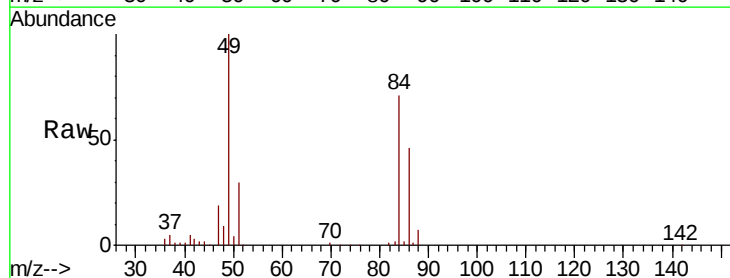
Manual Integrations
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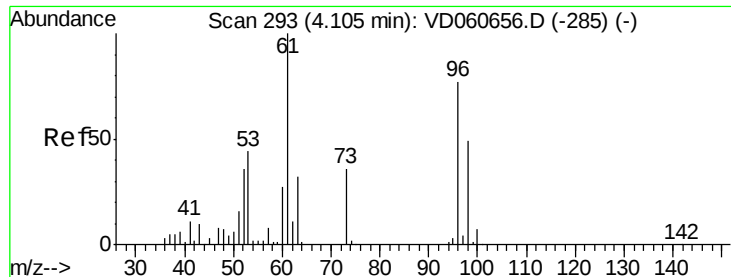
apatel
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#20
Methylene Chloride
Concen: 70.324 ug/l
RT: 3.69 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 84 Resp: 502067
Ion Ratio Lower Upper
84 100
49 140.2 113.6 170.4
51 42.4 34.7 52.1
86 64.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 59.162 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 96 Resp: 381981

Ion Ratio Lower Upper

96 100

61 136.8 104.2 156.2

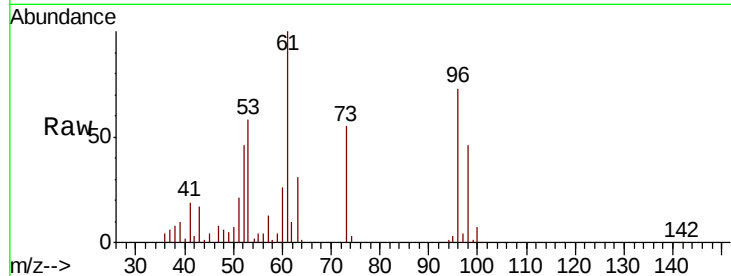
98 62.5 51.2 76.8

Manual Integrations

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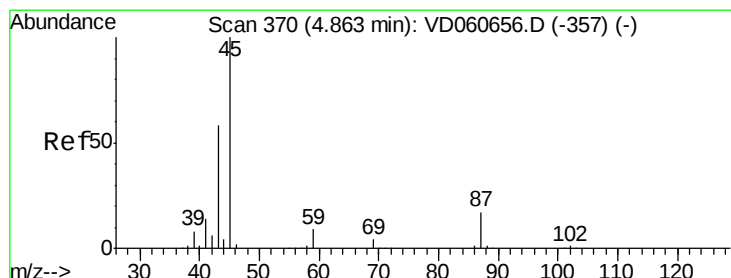
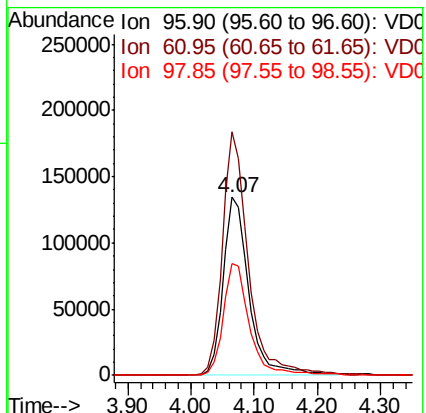
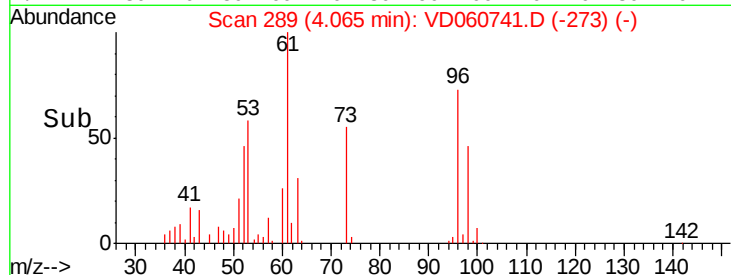
12/28/2018 9:47:16 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 82.323 ug/l

RT: 4.82 min Scan# 366

Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion: 45 Resp: 1616954

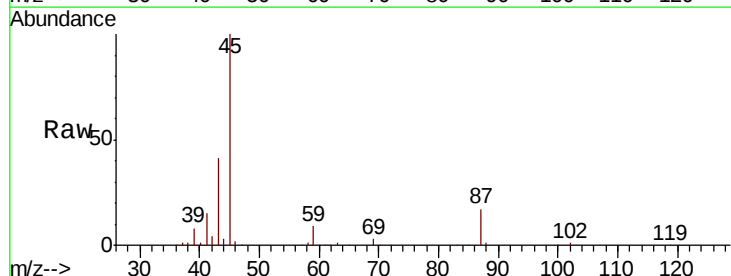
Ion Ratio Lower Upper

45 100

43 41.0 46.1 69.1#

87 17.1 13.7 20.5

59 8.8 7.4 11.0

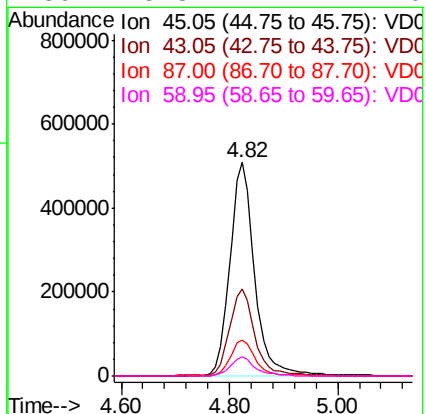
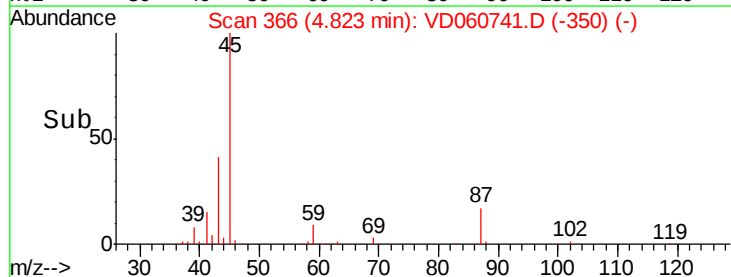


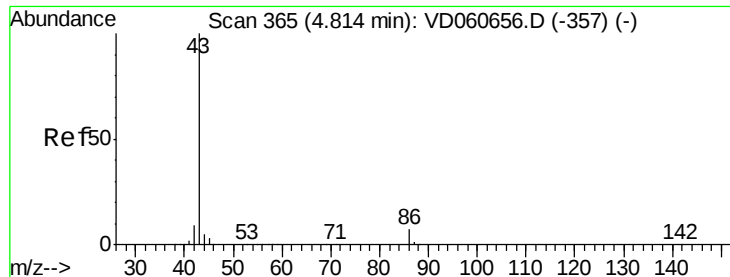
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 70.867 ug/l

RT: 4.82 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 43 Resp: 673426

Ion Ratio Lower Upper

43 100

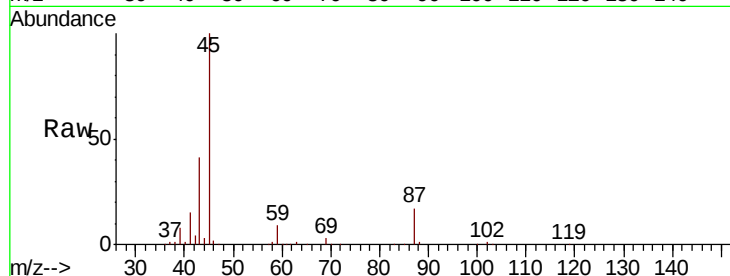
86 0.0 5.6 8.4#

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Abundance Ion 42.95 (42.65 to 43.65): VD060741.D (-345) (-)

Ion 86.00 (85.70 to 86.70): VD060741.D (-345) (-)

250000

200000

150000

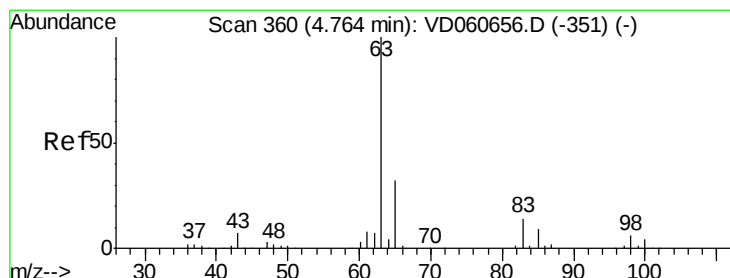
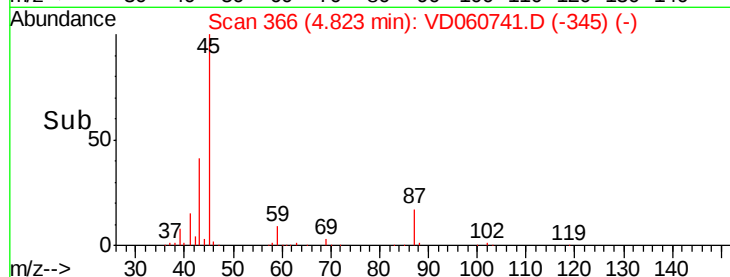
100000

50000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 69.820 ug/l

RT: 4.72 min Scan# 356

Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

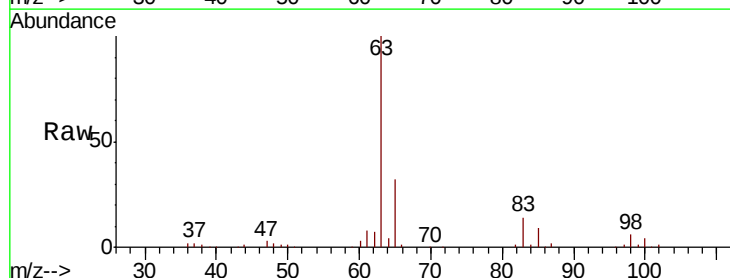
Tgt Ion: 63 Resp: 721332

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.7 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD060741.D (-340) (-)

Ion 97.95 (97.65 to 98.65): VD060741.D (-340) (-)

Ion 99.95 (99.65 to 100.65): VD060741.D (-340) (-)

300000

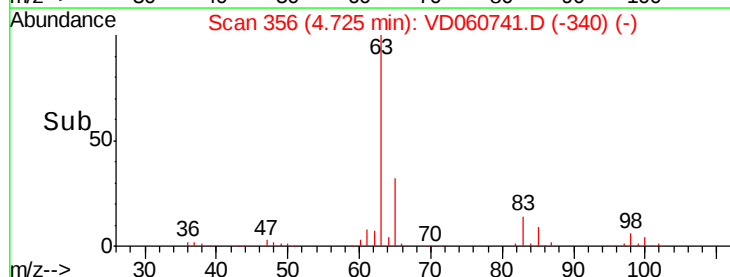
200000

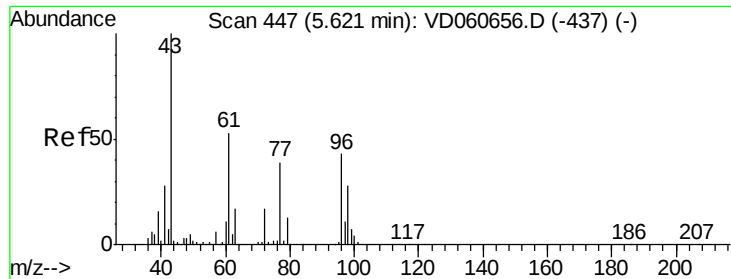
100000

0

4.60 4.70 4.80 4.90

Time-->





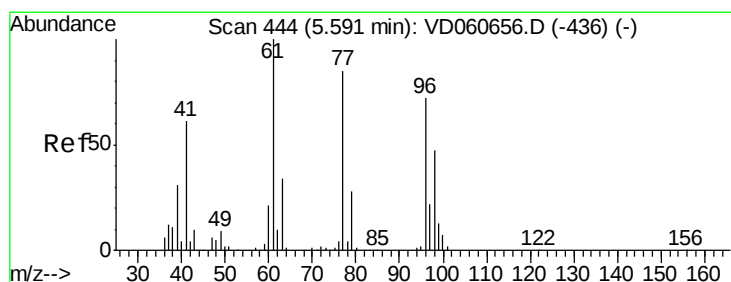
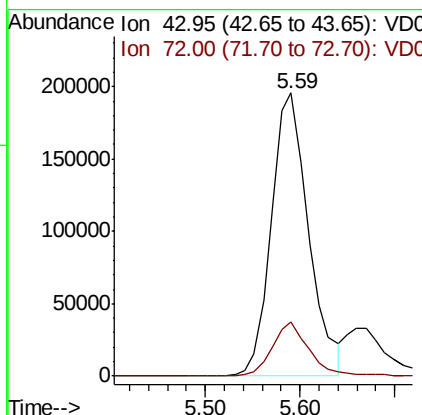
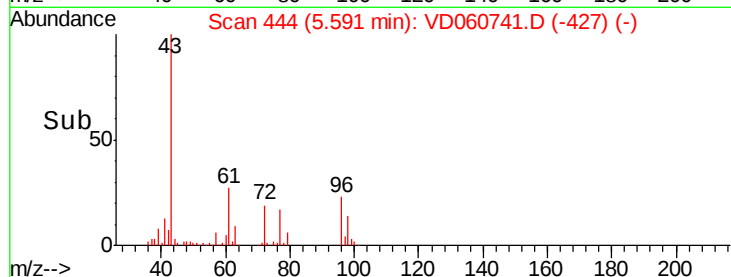
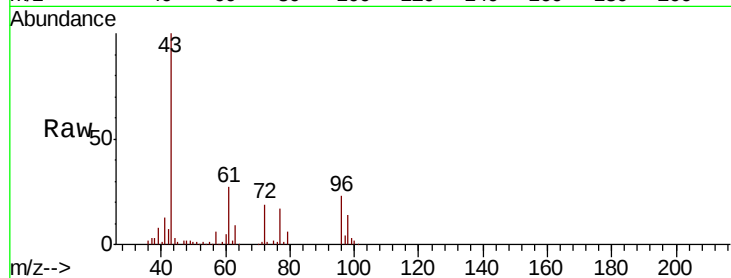
#25
2-Butanone
Concen: 407.471 ug/l
RT: 5.59 min Scan# 444
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 43 Resp: 536022
Ion Ratio Lower Upper
43 100
72 19.0 13.7 20.5

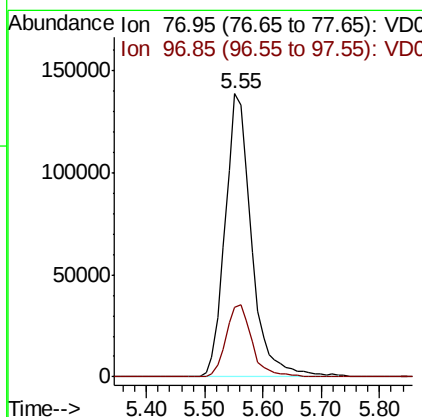
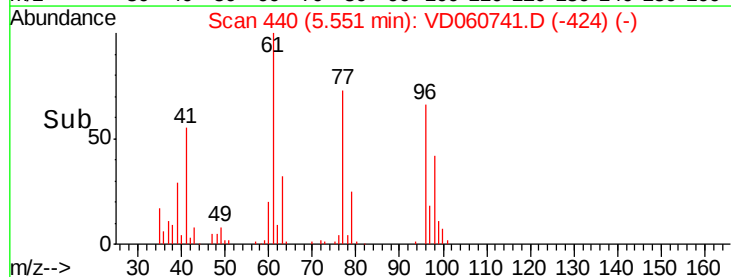
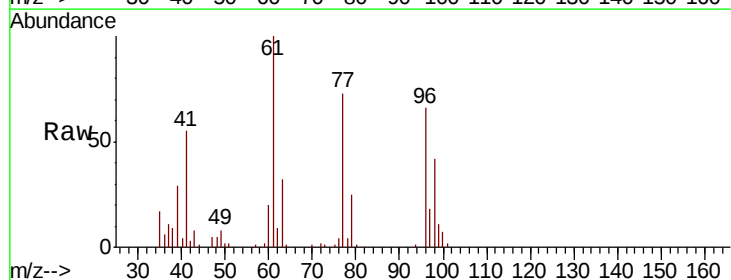
Manual Integrations
APPROVED

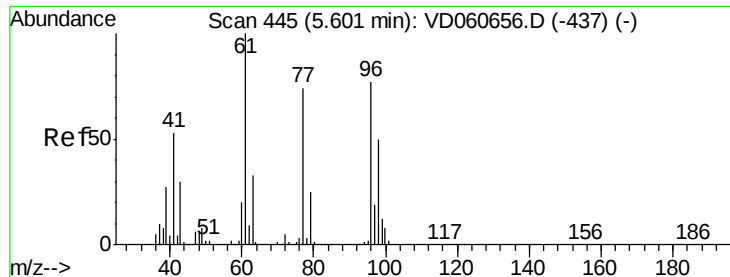
apatel
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#26
2,2-Dichloropropane
Concen: 53.573 ug/l
RT: 5.55 min Scan# 440
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 77 Resp: 436893
Ion Ratio Lower Upper
77 100
97 24.4 13.0 39.0





#27

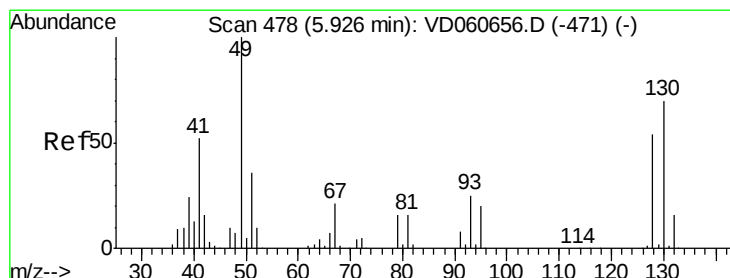
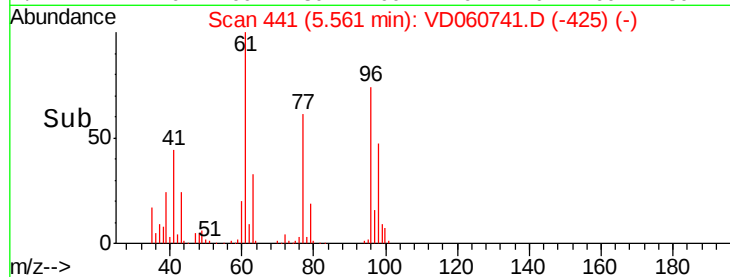
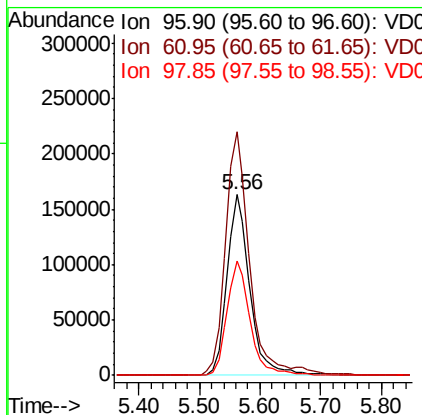
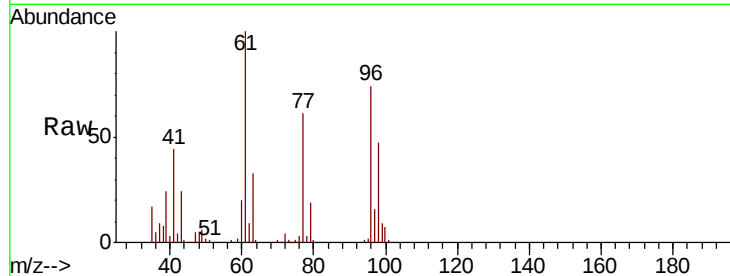
cis-1,2-Dichloroethene
 Concen: 65.155 ug/l
 RT: 5.56 min Scan# 441
 Delta R.T. -0.04 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	259.4
98	63.3	0.0	130.0

Manual Integrations
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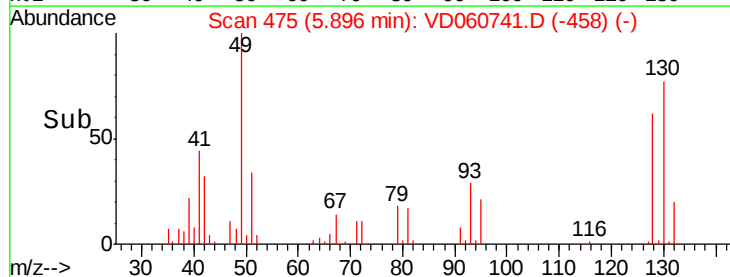
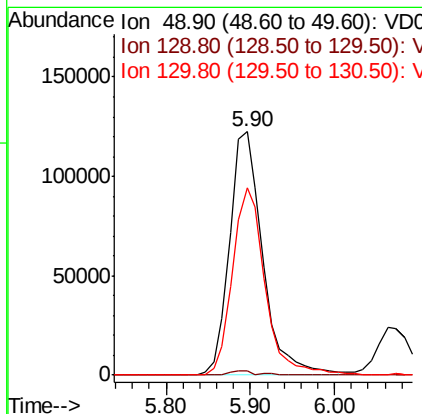
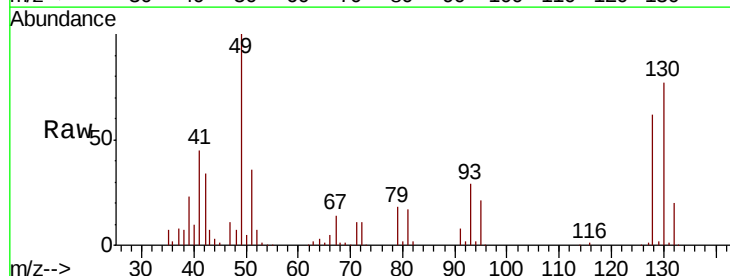
apatel
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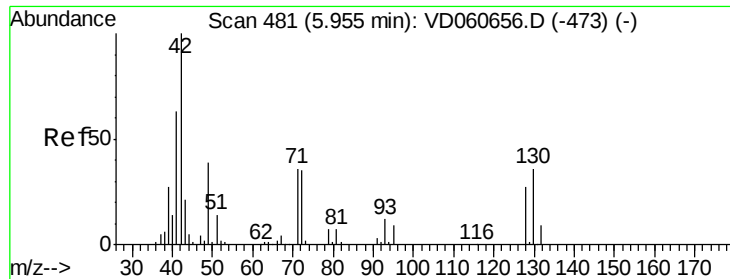


#28

Bromochloromethane
 Concen: 76.635 ug/l
 RT: 5.90 min Scan# 475
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	77.1	56.2	84.2





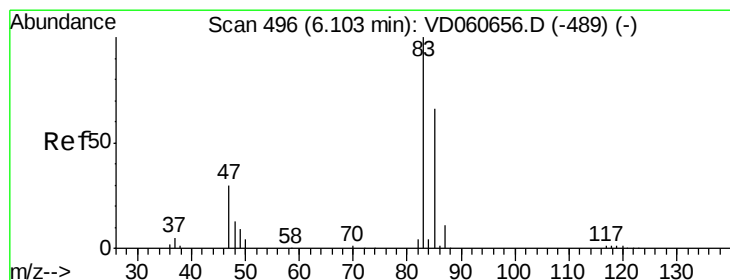
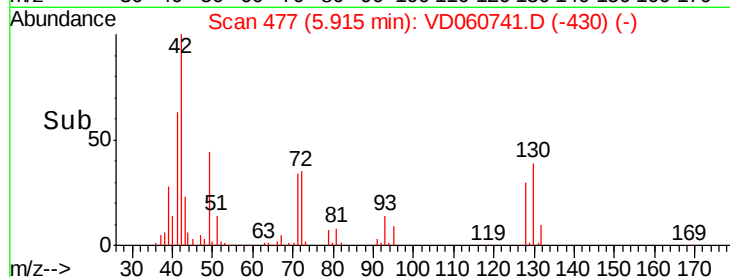
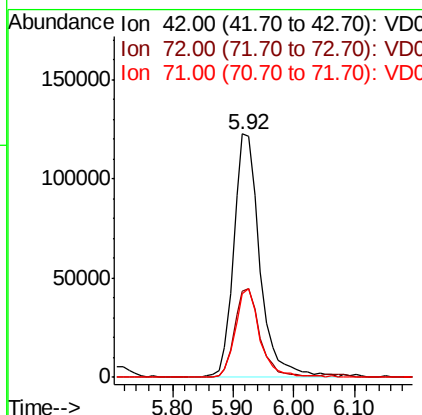
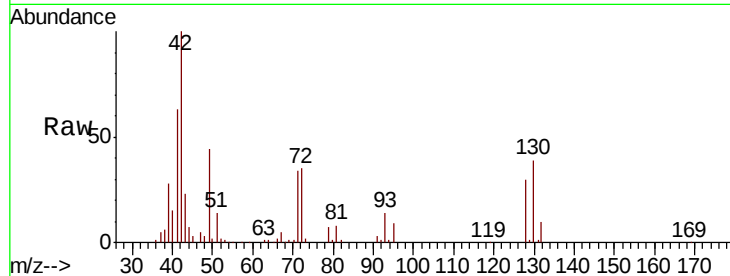
#29
Tetrahydrofuran
Concen: 494.546 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.0	42.0
71	34.2	27.0	40.6

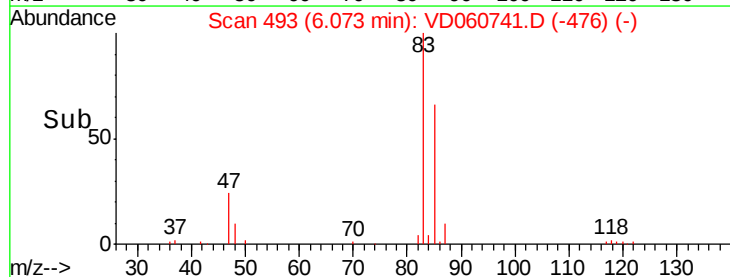
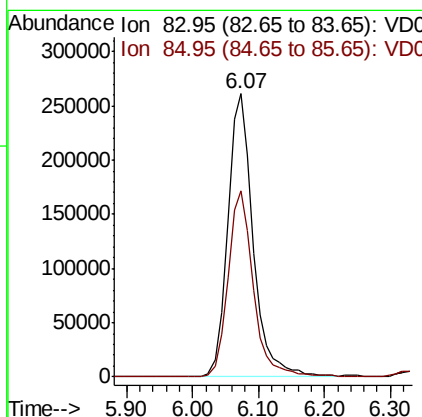
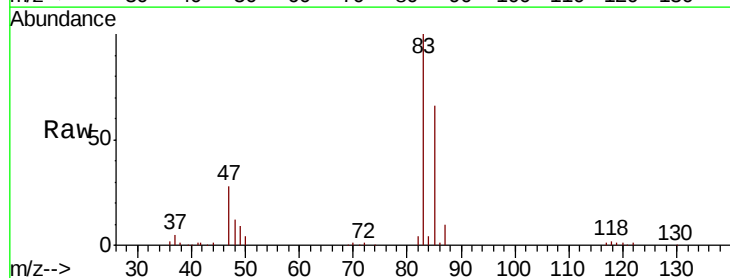
Manual Integrations
APPROVED

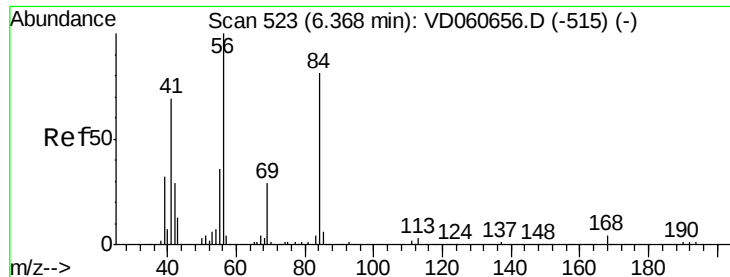
apatel
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#30
Chloroform
Concen: 67.771 ug/l
RT: 6.07 min Scan# 493
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.0	79.6





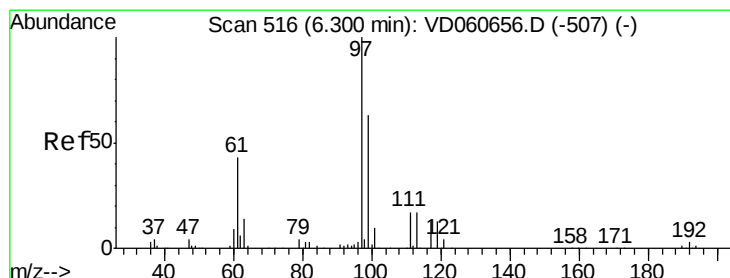
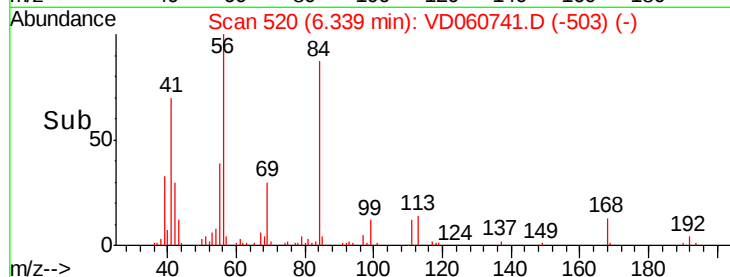
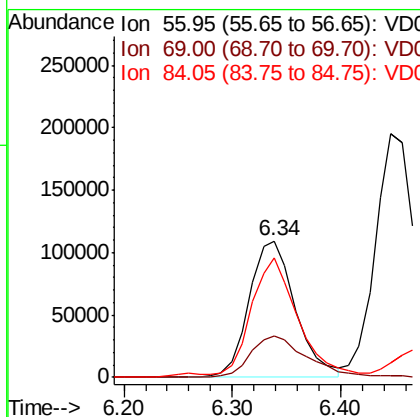
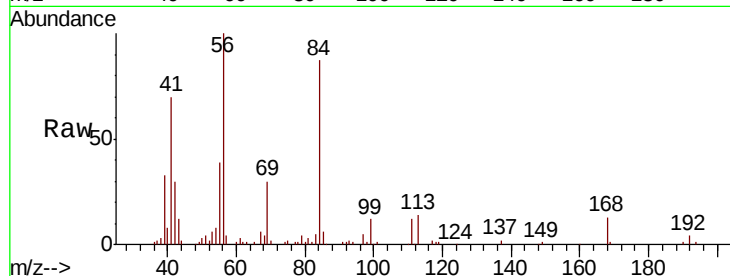
#31
Cyclohexane
Concen: 32.565 ug/l
RT: 6.34 min Scan# 520
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.6	35.4
84	87.3	65.8	98.6

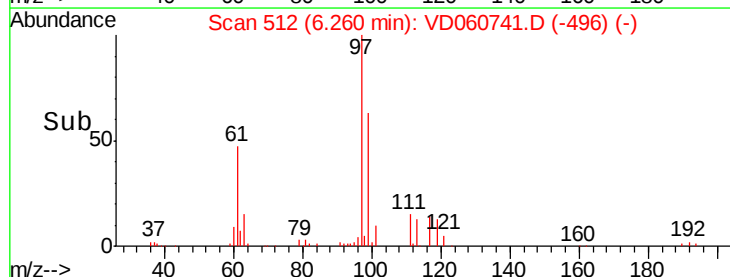
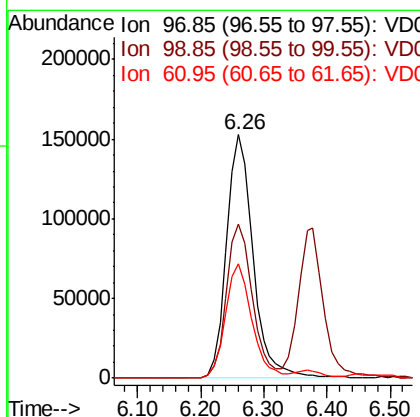
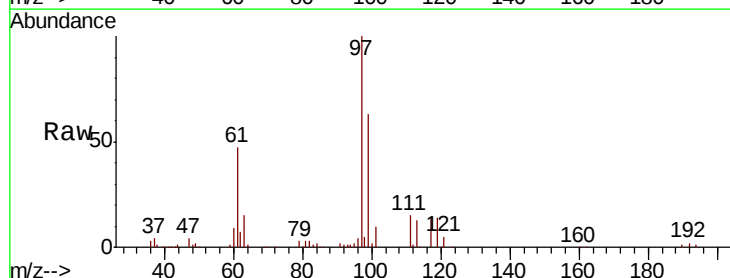
Manual Integrations
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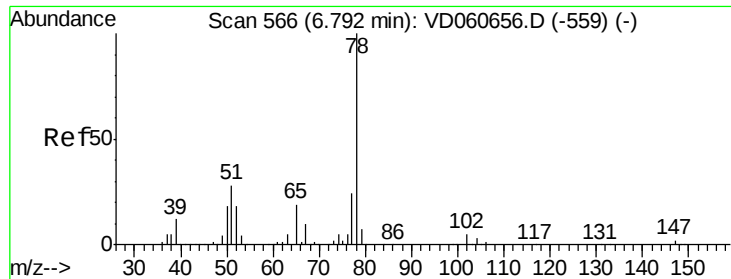
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#32
1,1,1-Trichloroethane
Concen: 51.685 ug/l
RT: 6.26 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.5	75.7
61	46.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 51.685 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 65 Resp: 347075

Ion Ratio Lower Upper

65 100

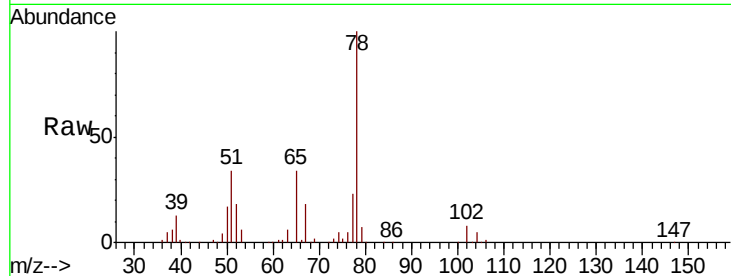
67 52.8 0.0 105.4

Manual Integrations

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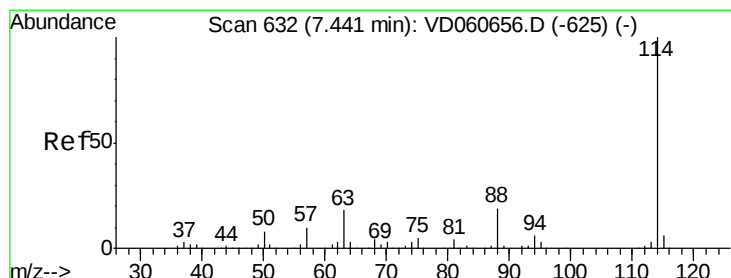
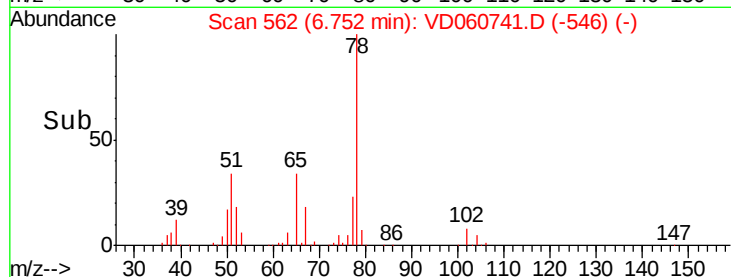
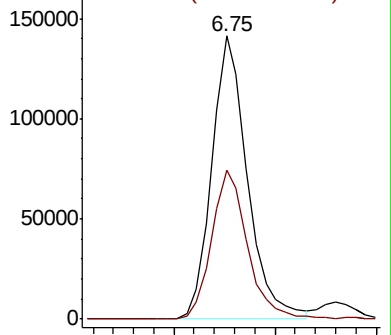
apatel

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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: VD060741.D

Acq: 27 Dec 2018 22:06

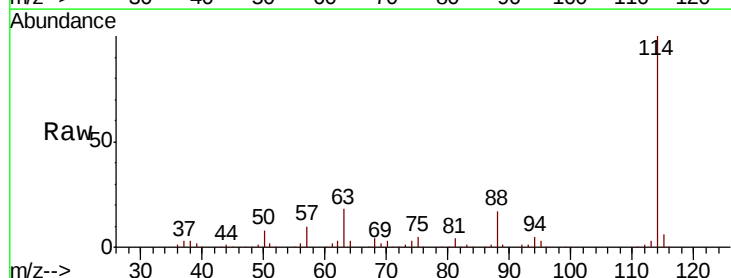
Tgt Ion: 114 Resp: 815383

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

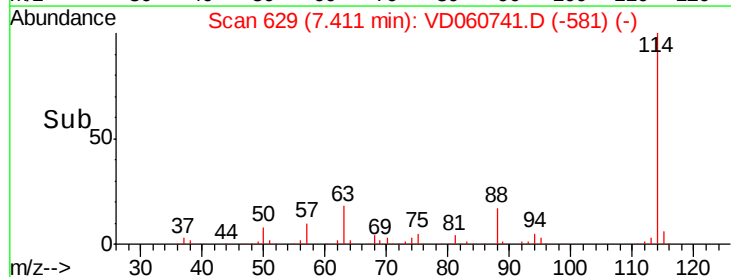
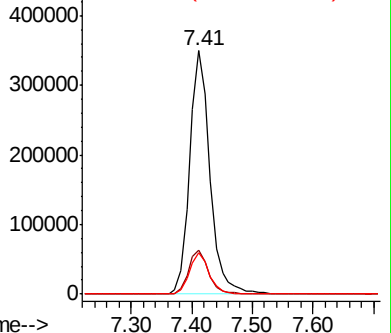
88 17.1 0.0 37.0

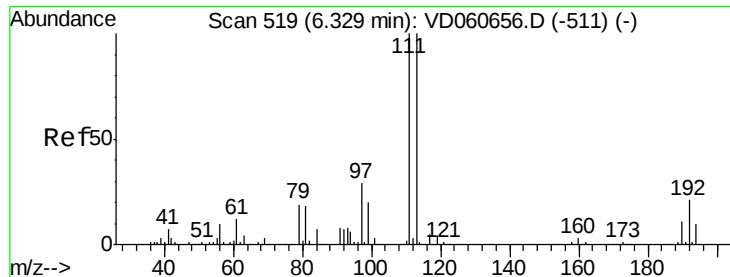


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

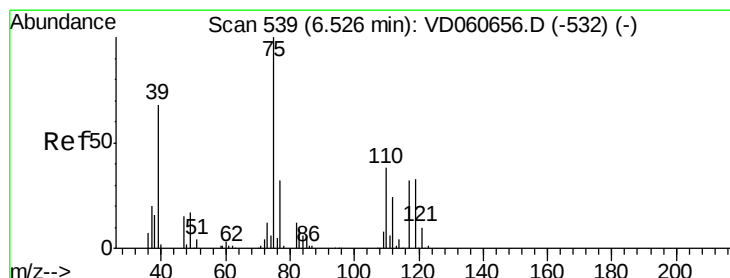
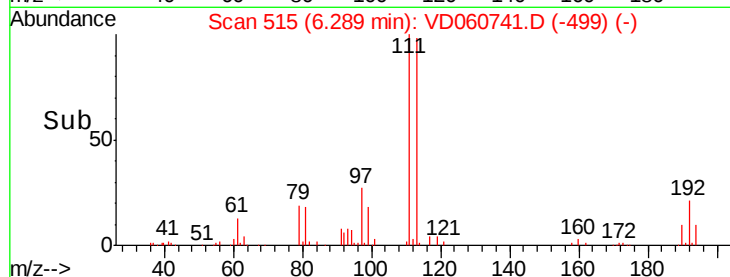
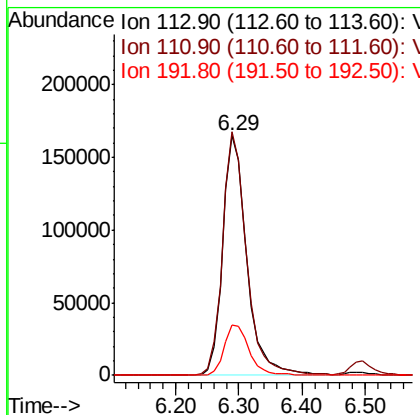
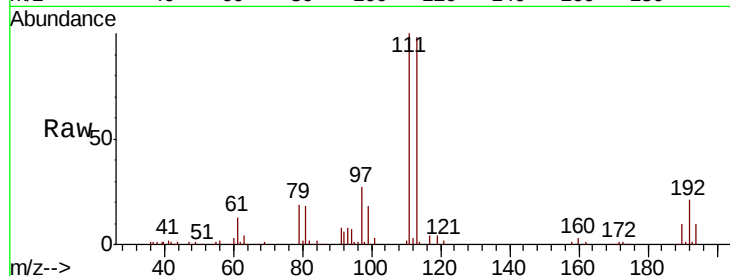
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	113	Resp:	438476
Ion Ratio	Lower	Upper	
113	100		
111	101.7	80.0	120.0
192	21.3	16.6	25.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 42.756 ug/l

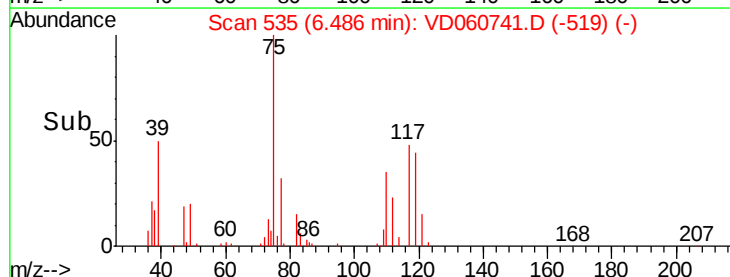
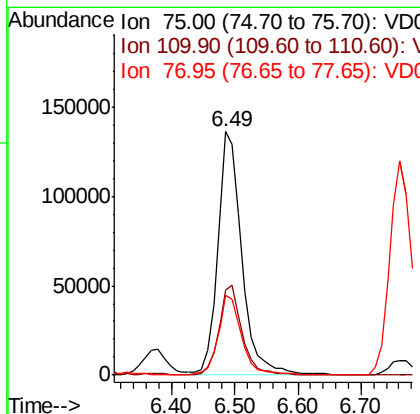
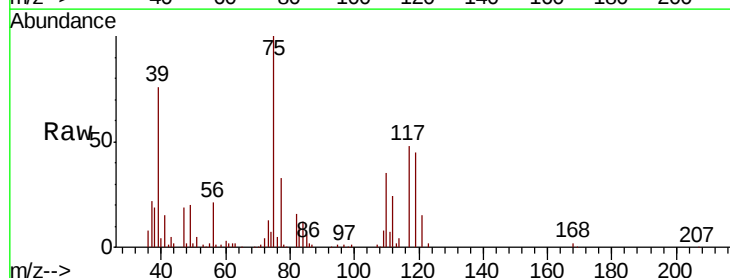
RT: 6.49 min Scan# 535

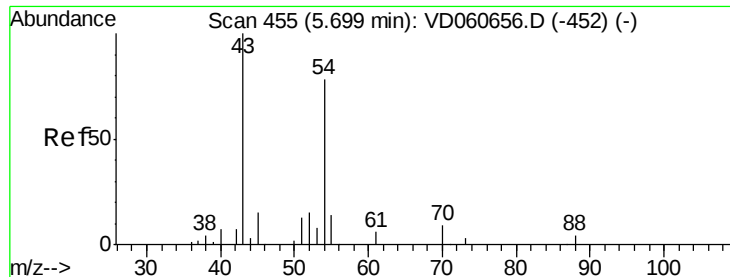
Delta R.T. -0.04 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	75	Resp:	358986
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.9	56.7
77	32.9	25.4	38.0





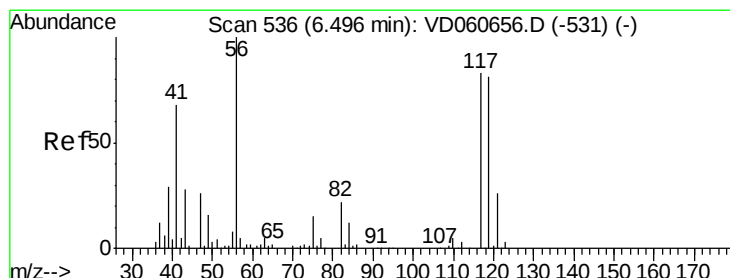
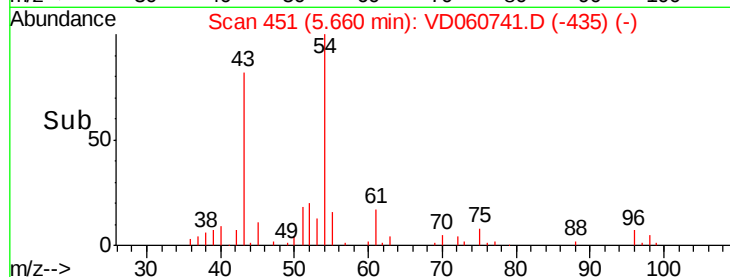
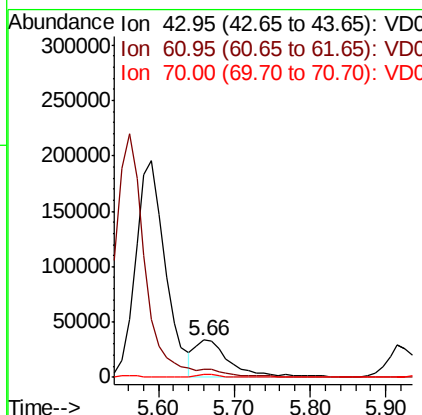
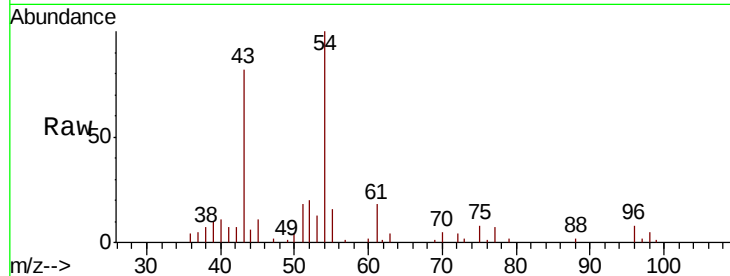
#37
Ethyl Acetate
Concen: 29.459 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	11.8	17.6#
70	6.5	5.8	8.6

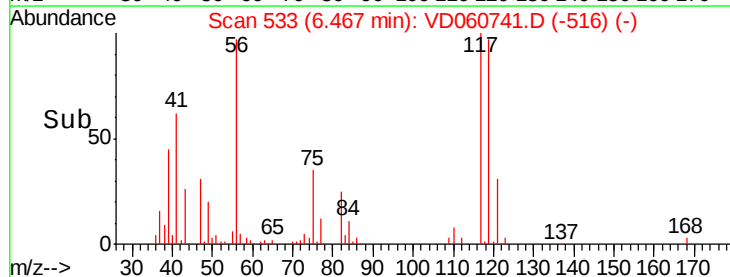
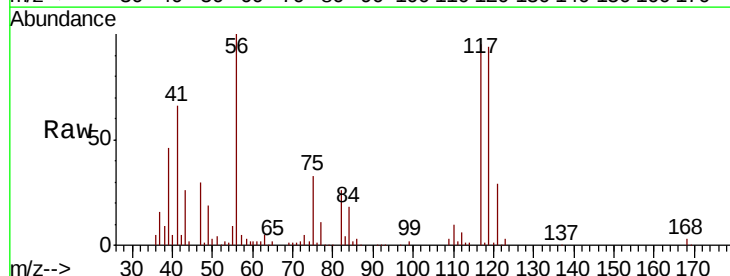
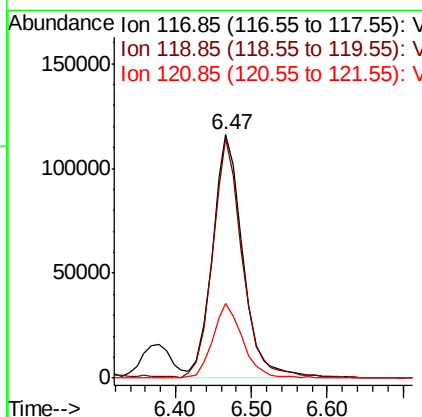
Manual Integrations
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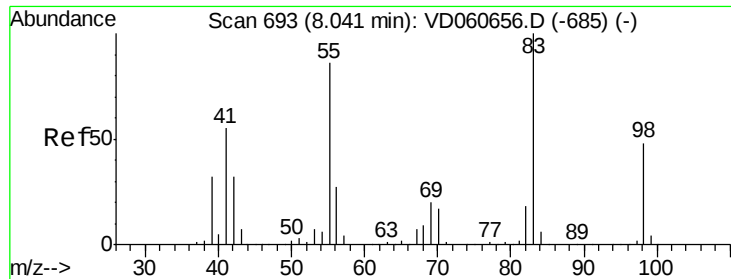
apatel
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#38
Carbon Tetrachloride
Concen: 43.635 ug/l
RT: 6.47 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.0	115.4
121	30.6	24.7	37.1





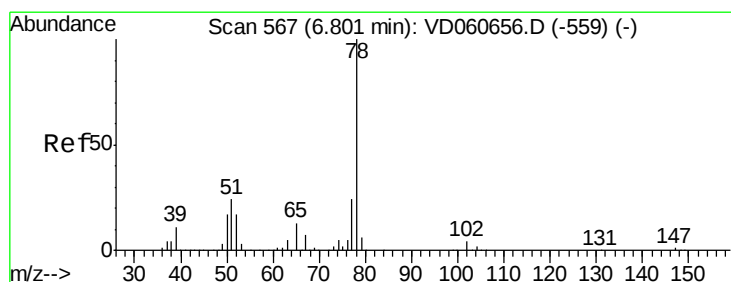
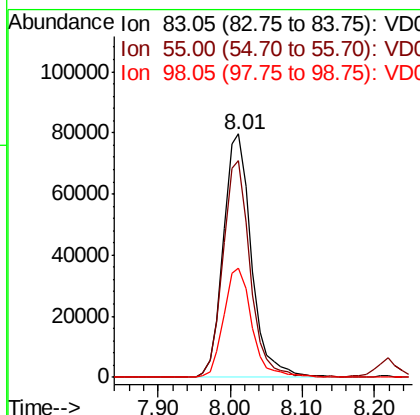
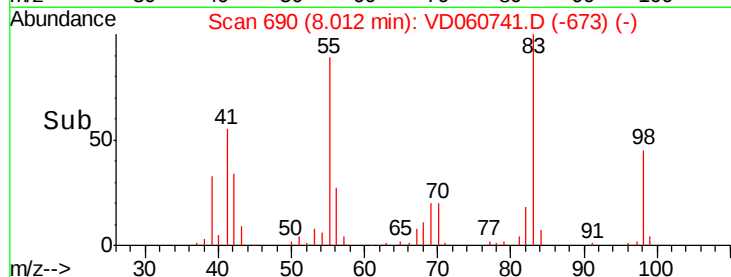
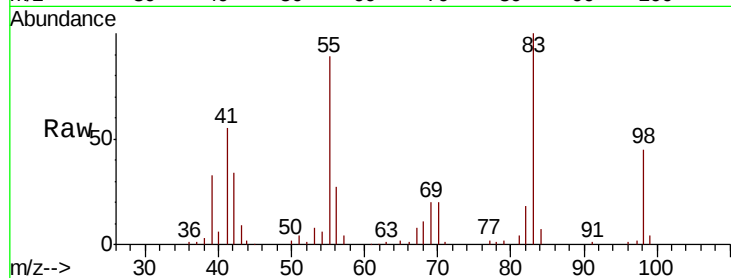
#39
Methvlcvclohexane
Concen: 22.480 ug/l
RT: 8.01 min Scan# 690
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 83 Resp: 215268
Ion Ratio Lower Upper
83 100
55 89.2 68.6 102.8
98 44.8 38.1 57.1

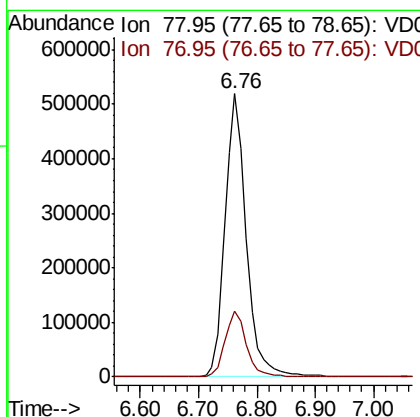
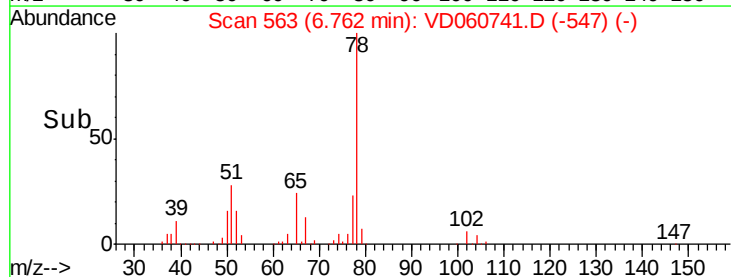
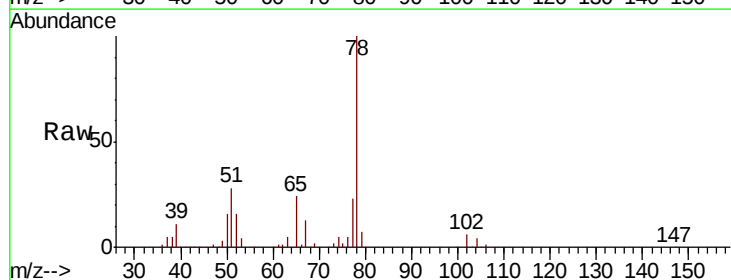
Manual Integrations
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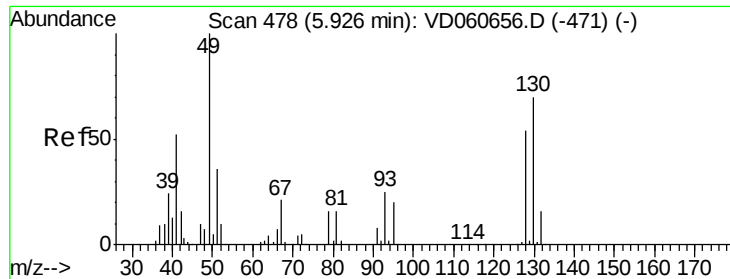
apatel
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#40
Benzene
Concen: 60.450 ug/l
RT: 6.76 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 78 Resp: 1311028
Ion Ratio Lower Upper
78 100
77 23.1 19.2 28.8





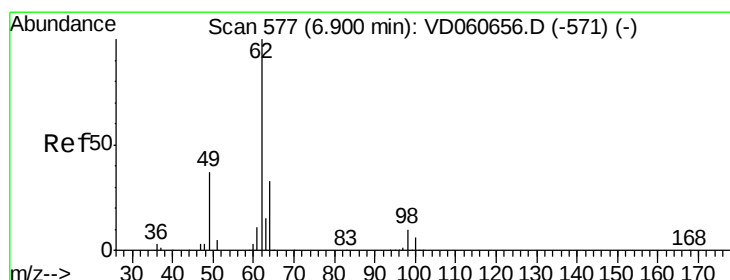
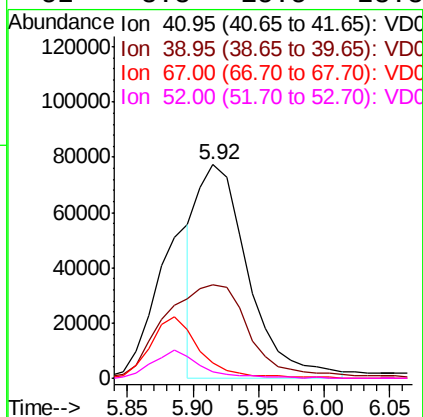
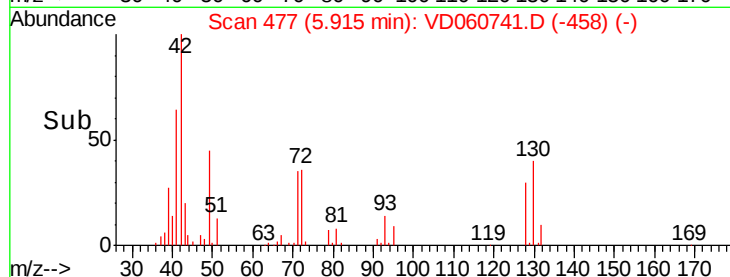
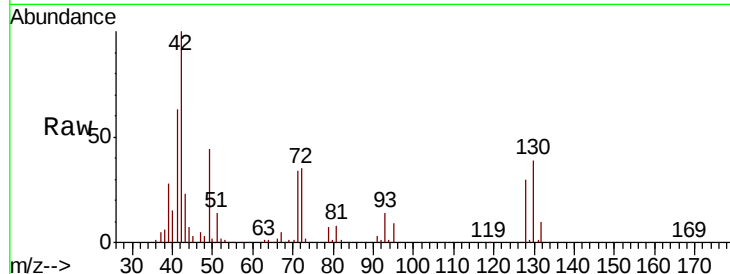
#41
Methacrylonitrile
Concen: 106.499 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.0	37.6	56.4
67	7.4	33.0	49.6
52	3.3	15.5	23.3

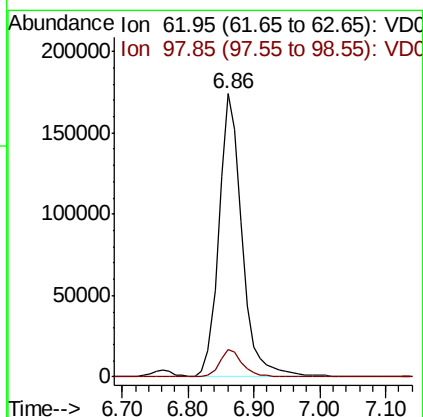
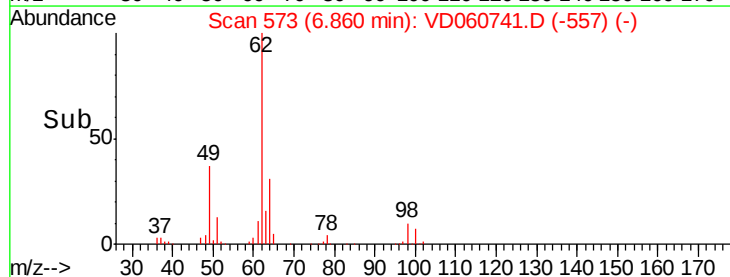
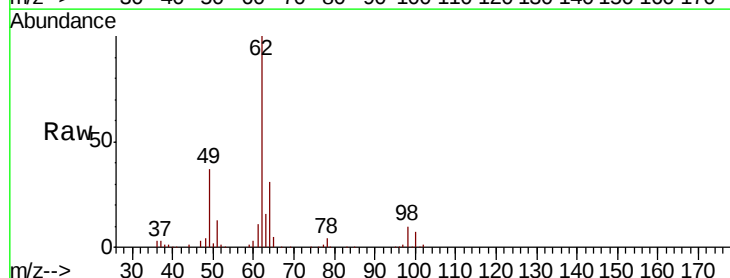
Manual Integrations
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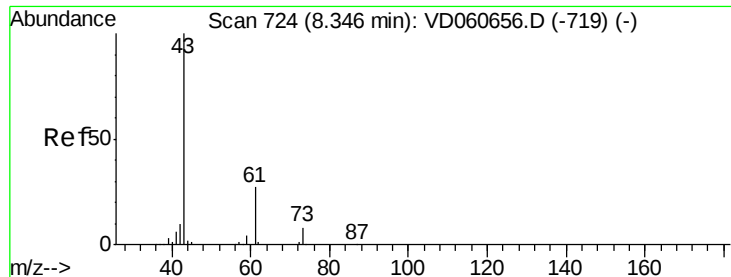
apatel
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#42
1,2-Dichloroethane
Concen: 78.439 ug/l
RT: 6.86 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.4





#43

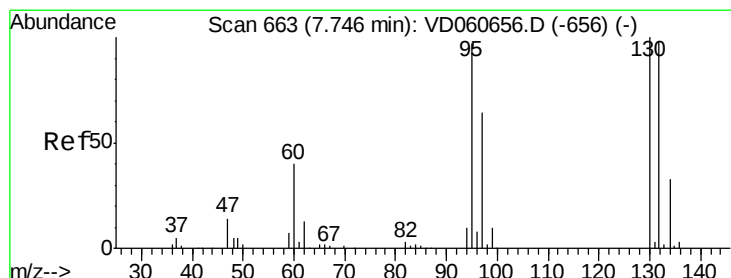
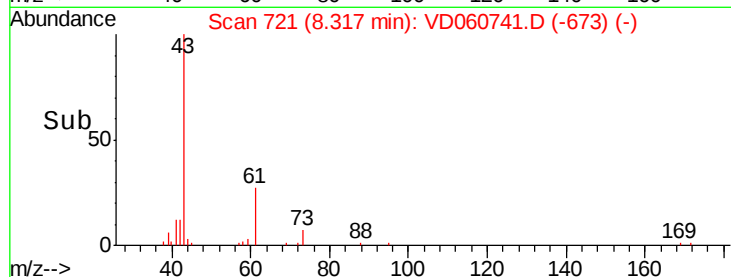
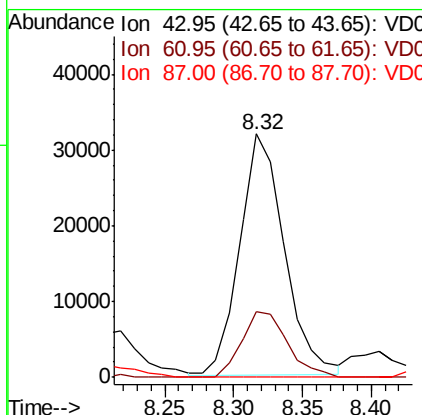
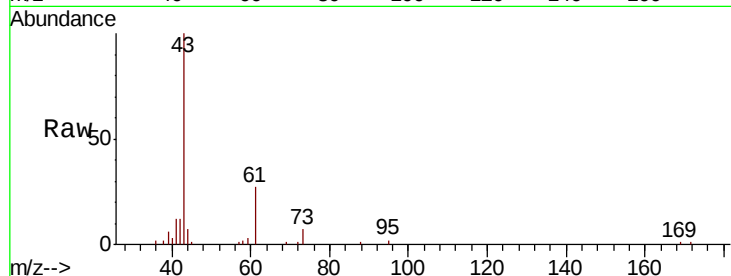
Isopropyl Acetate
 Concen: 15.968 ug/l
 RT: 8.32 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.8
87	0.0	0.2	0.4

Manual Integrations
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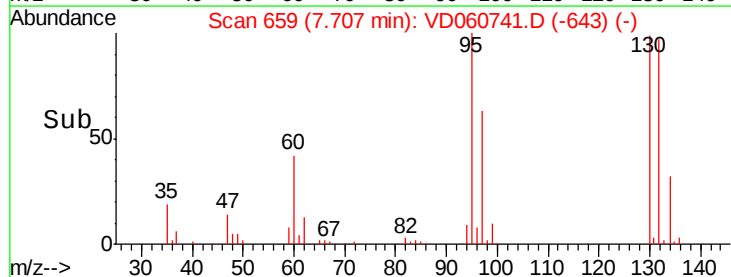
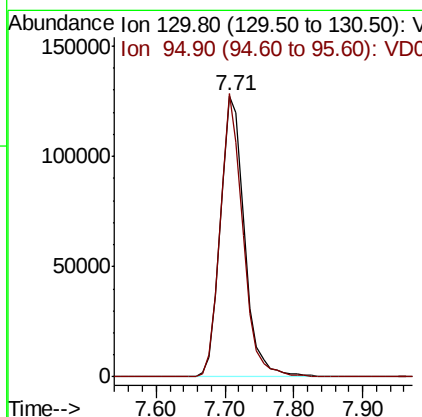
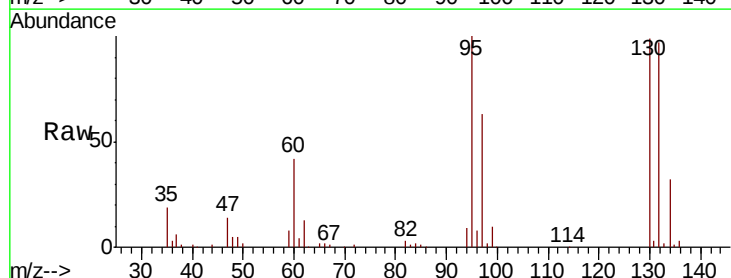
apatel
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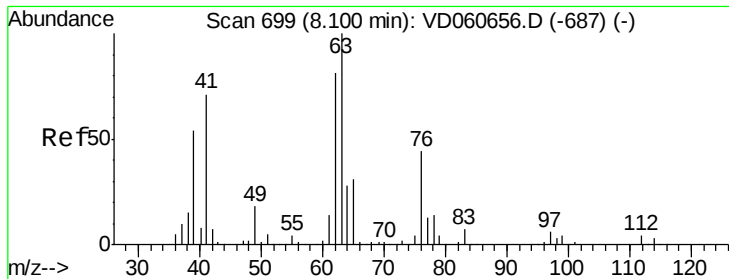


#44

Trichloroethene
 Concen: 48.075 ug/l
 RT: 7.71 min Scan# 659
 Delta R.T. -0.04 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	193.6





#45

1,2-Dichloropropane

Concen: 65.342 ug/l

RT: 8.07 min Scan# 696

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 63 Resp: 347537

Ion Ratio Lower Upper

63 100

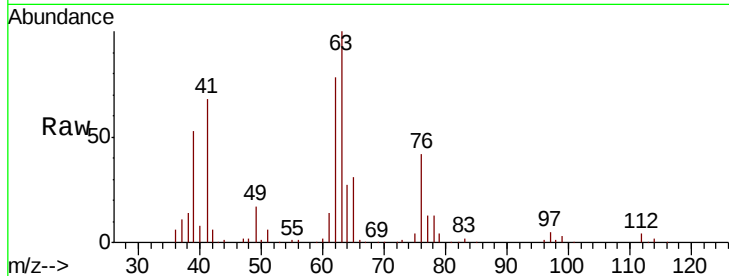
65 30.8 25.0 37.6

Manual Integrations

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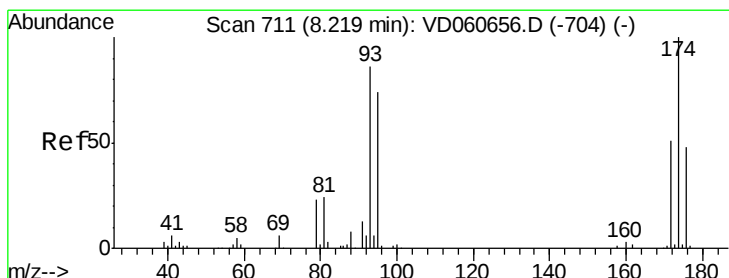
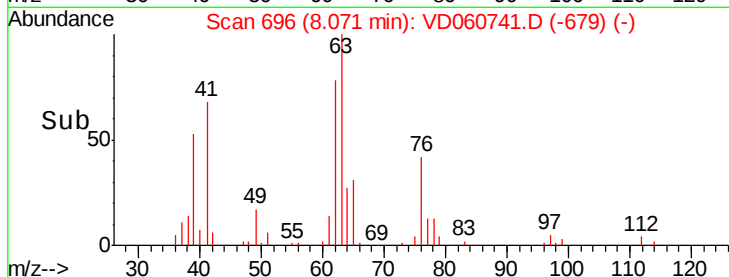
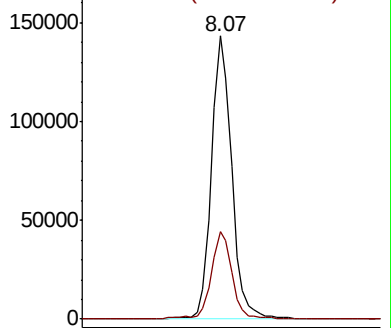
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 76.673 ug/l

RT: 8.19 min Scan# 708

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

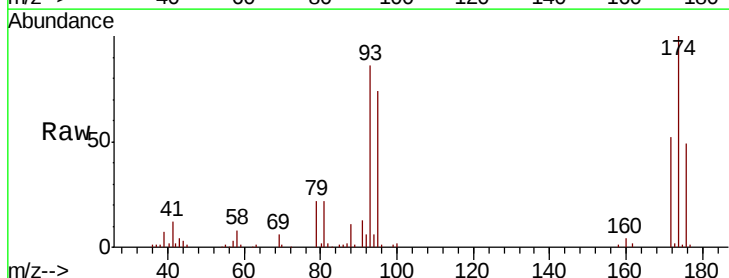
Tgt Ion: 93 Resp: 232747

Ion Ratio Lower Upper

93 100

95 85.9 68.8 103.2

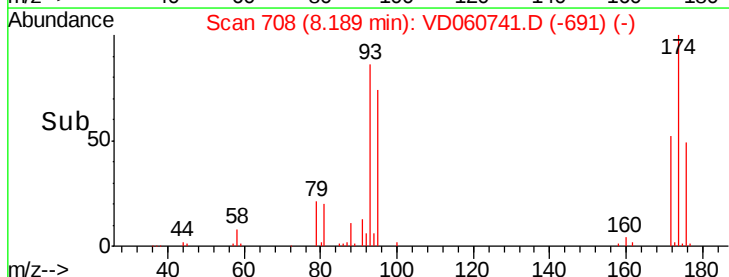
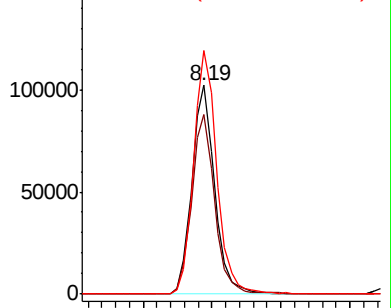
174 116.5 93.0 139.4

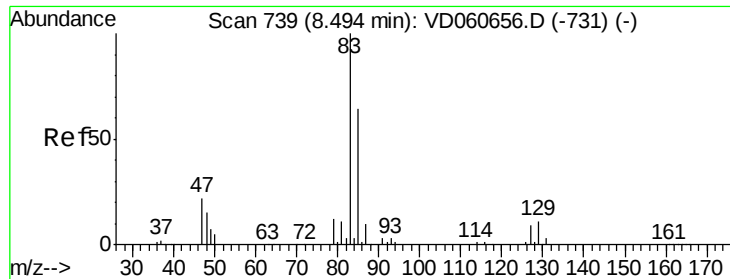


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 63.732 ug/l

RT: 8.46 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

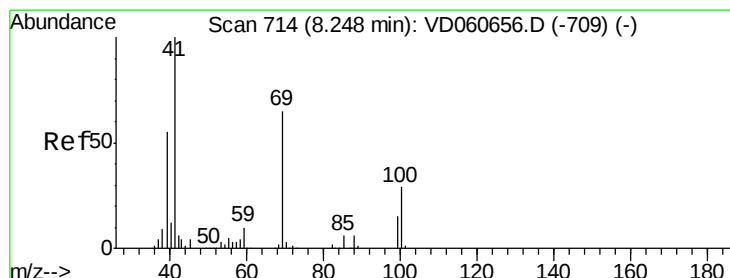
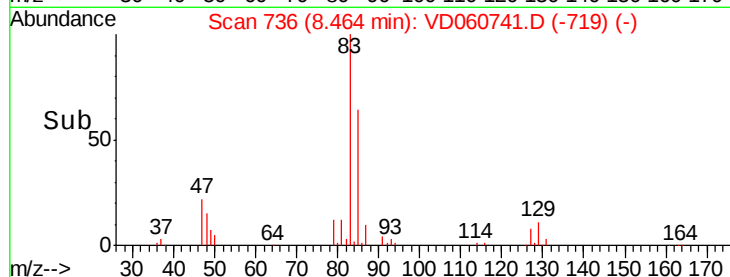
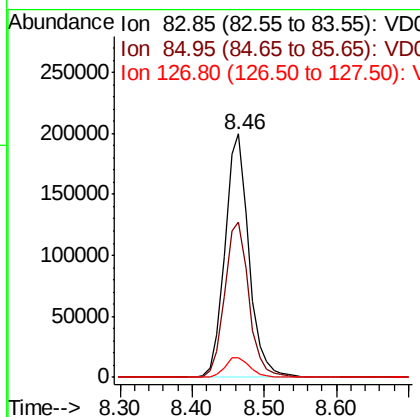
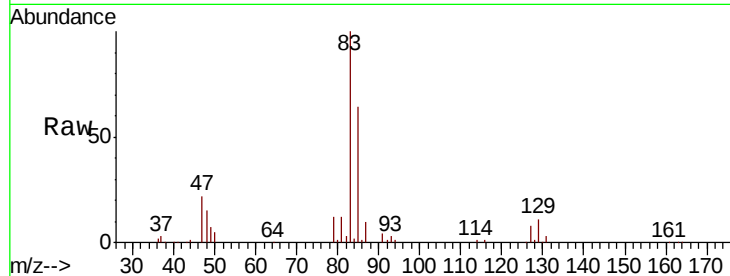
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	83	Resp:	458223
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.1	76.7
127	8.2	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 76.923 ug/l

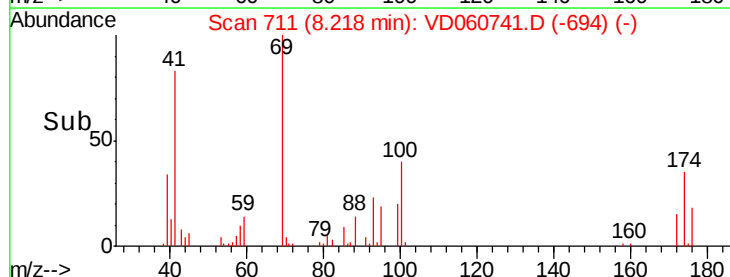
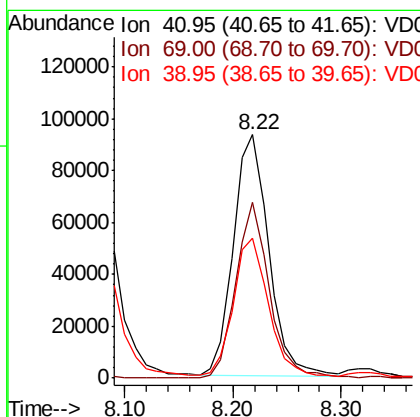
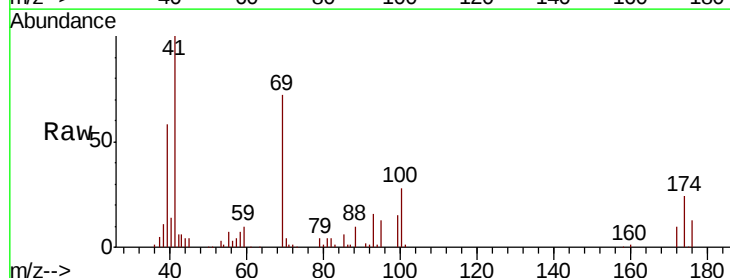
RT: 8.22 min Scan# 711

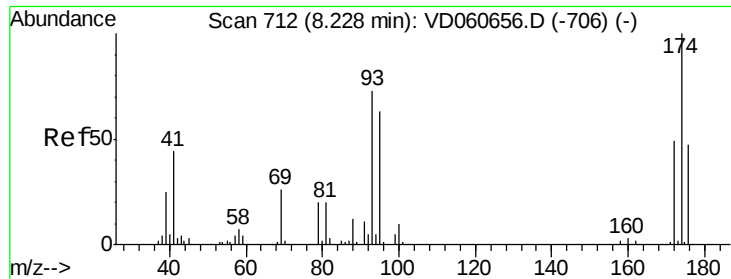
Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	41	Resp:	210534
Ion Ratio	Lower	Upper	
41	100		
69	72.1	51.2	76.8
39	57.6	44.6	67.0





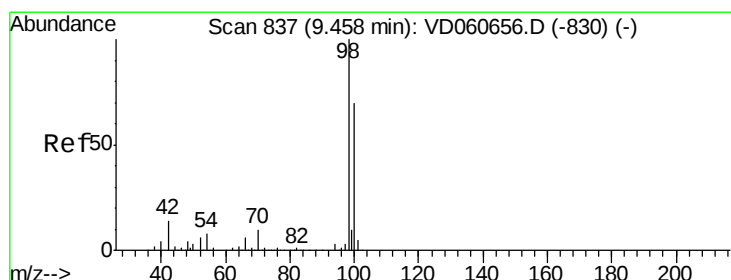
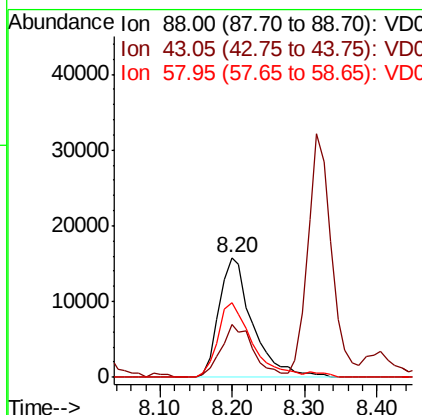
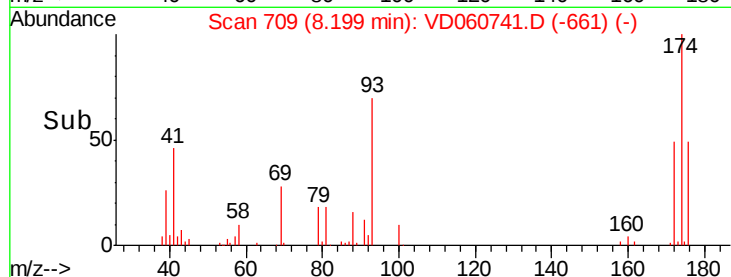
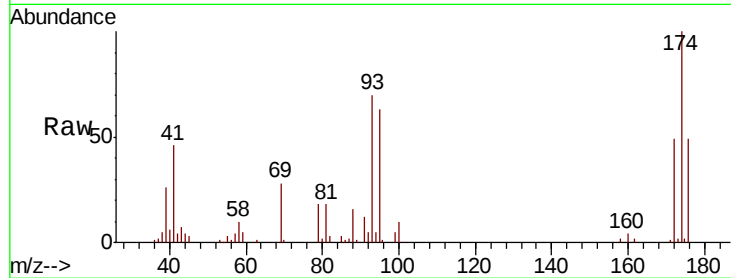
#49
 1,4-Dioxane
 Concen: 1983.196 ug/l
 RT: 8.20 min Scan# 709
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	31.5	47.3
58	62.2	50.6	76.0

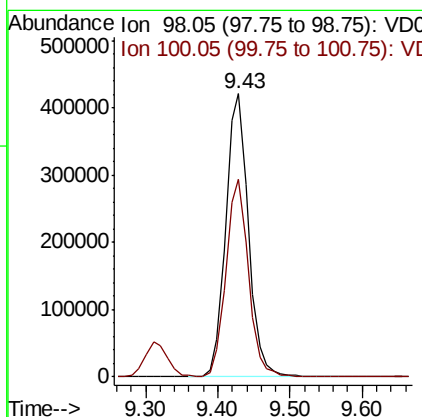
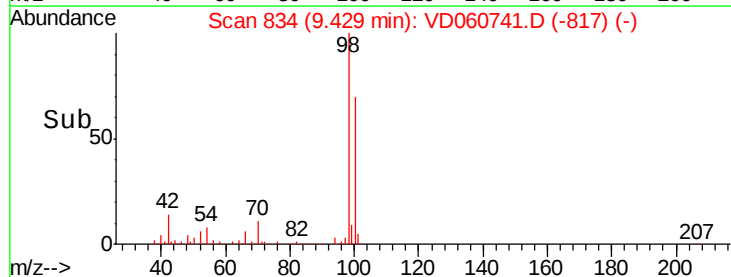
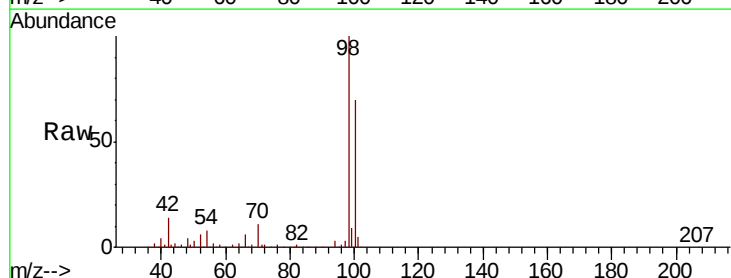
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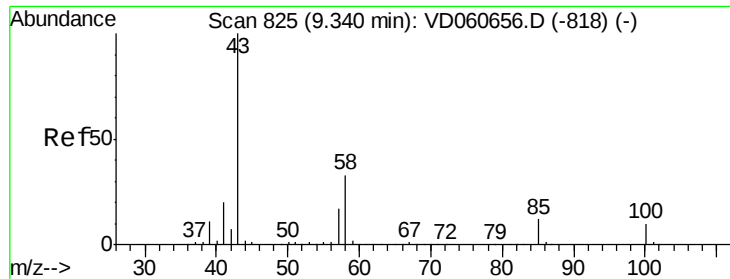
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#50
 Toluene-d8
 Concen: 1983.196 ug/l
 RT: 9.43 min Scan# 834
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.8





#51

4-Methyl-2-Pentanone

Concen: 406.575 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 43 Resp: 1122496

Ion Ratio Lower Upper

43 100

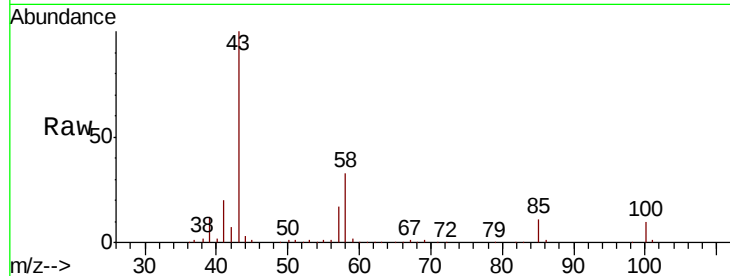
58 32.8 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

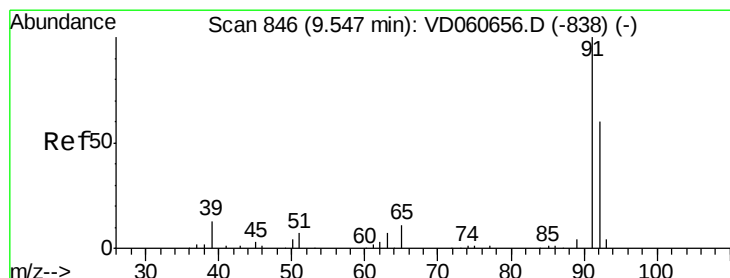
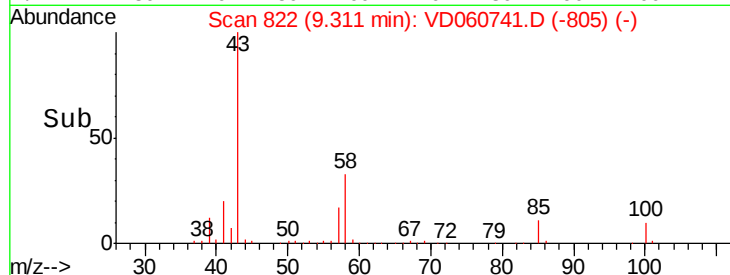
200000

100000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 49.261 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060741.D

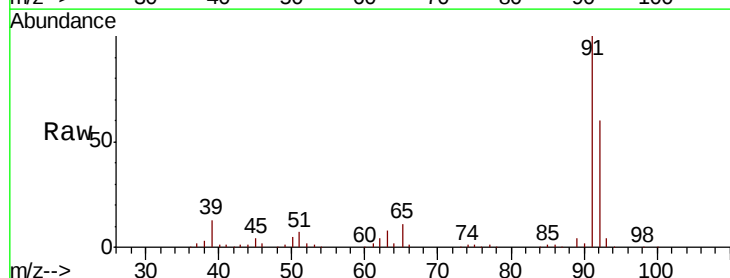
Acq: 27 Dec 2018 22:06

Tgt Ion: 92 Resp: 669756

Ion Ratio Lower Upper

92 100

91 167.8 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

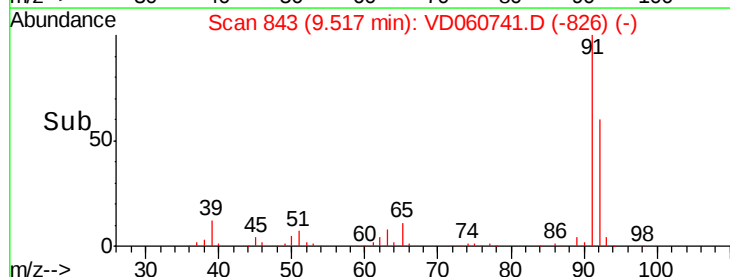
200000

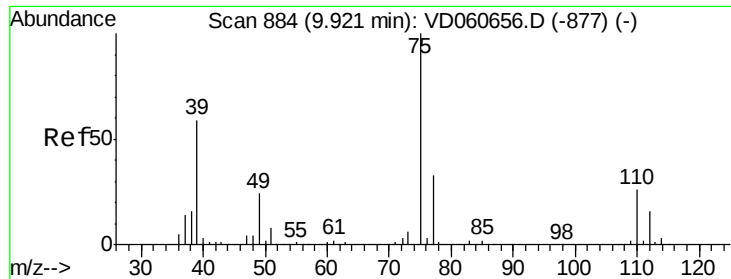
100000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 61.547 ug/l

RT: 9.89 min Scan# 881

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 75 Resp: 369175

Ion Ratio Lower Upper

75 100

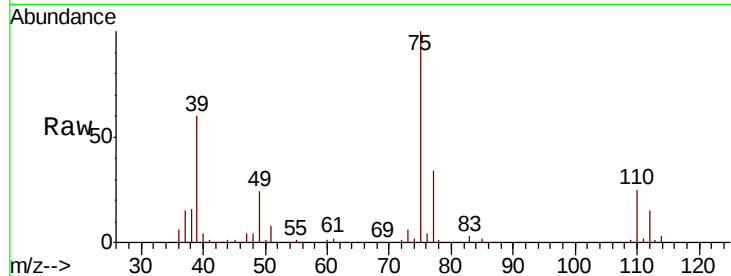
77 34.0 26.0 39.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.89

200000

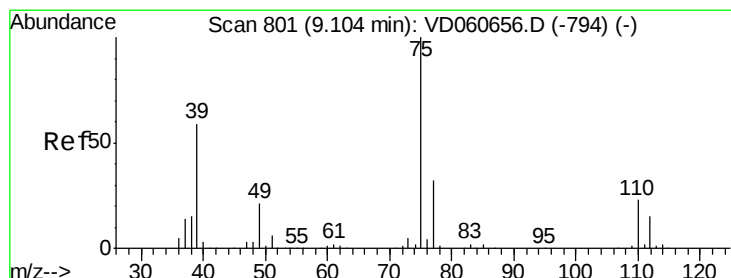
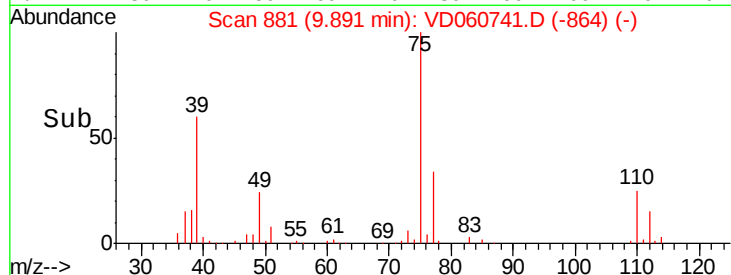
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.811 ug/l

RT: 9.07 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

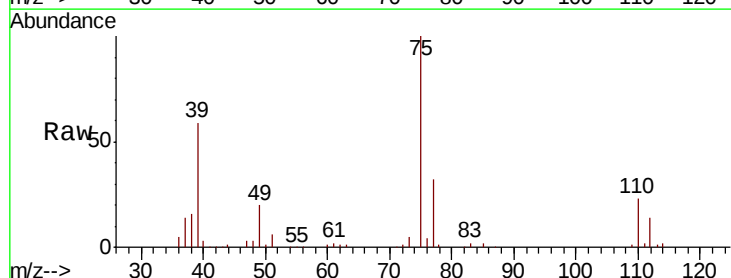
Tgt Ion: 75 Resp: 469580

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 58.7 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

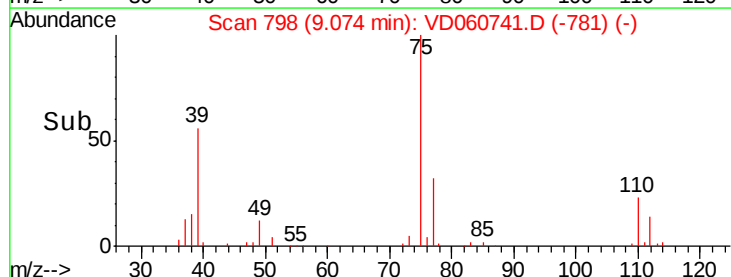
150000

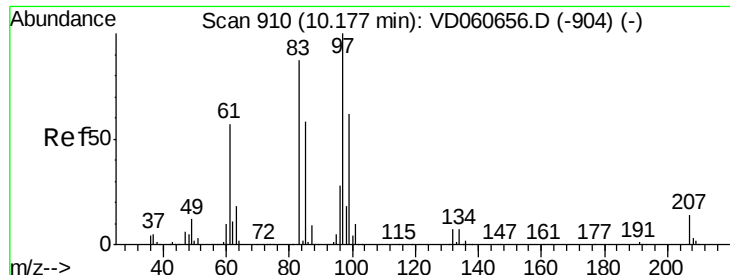
100000

50000

0

Time-->





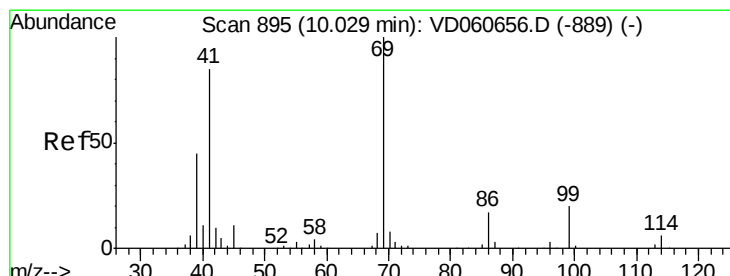
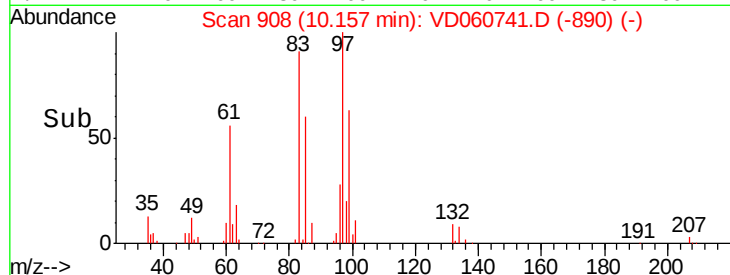
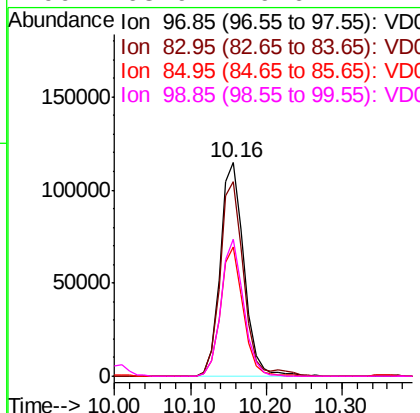
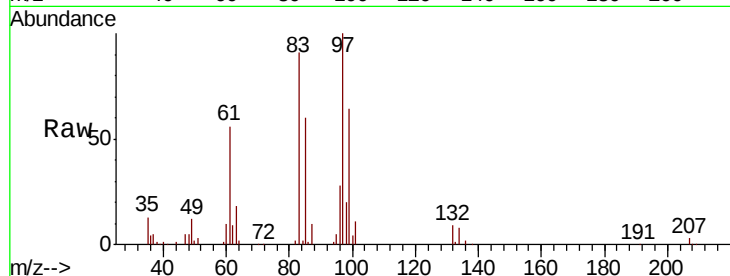
#55
 1,1,2-Trichloroethane
 Concen: 68.007 ug/l
 RT: 10.16 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion	97	Resp	248777
Ion Ratio	Lower	Upper	
97	100		
83	91.2	70.0	105.0
85	60.4	46.6	70.0
99	63.9	49.6	74.4

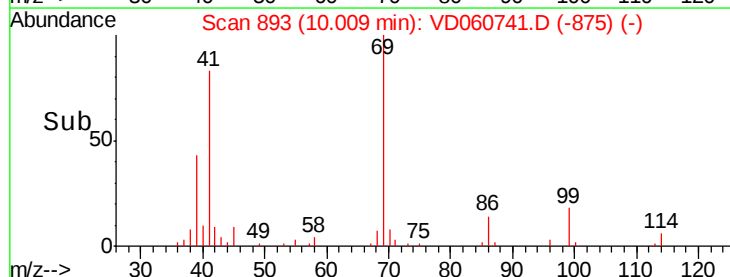
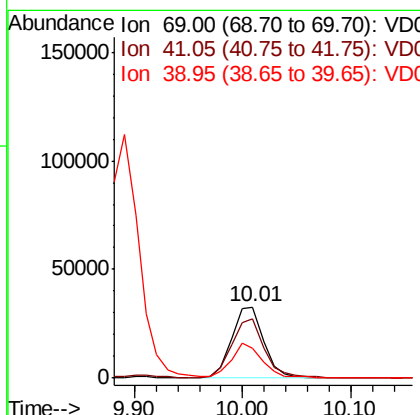
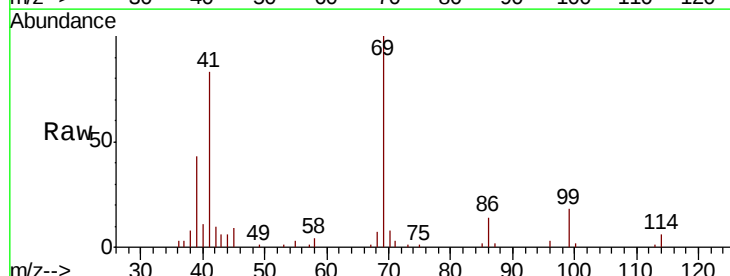
Manual Integrations
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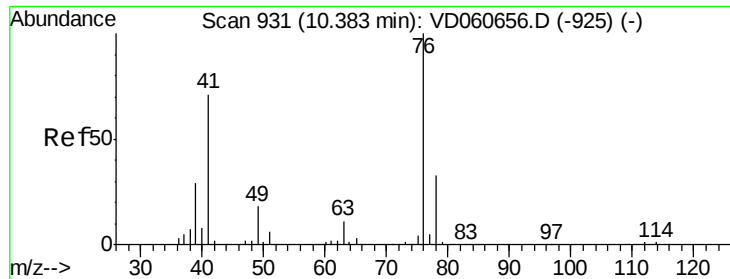
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#56
 Ethyl methacrylate
 Concen: 19.950 ug/l
 RT: 10.01 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	69	Resp	67786
Ion Ratio	Lower	Upper	
69	100		
41	83.5	68.3	102.5
39	42.6	37.2	55.8





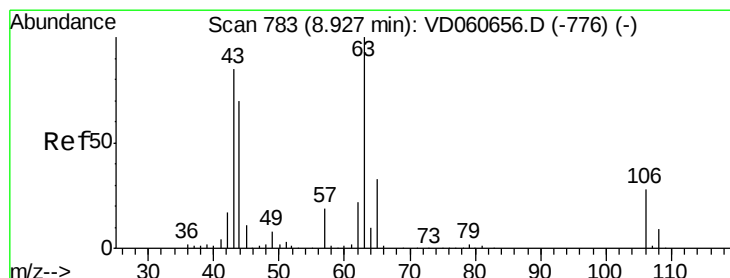
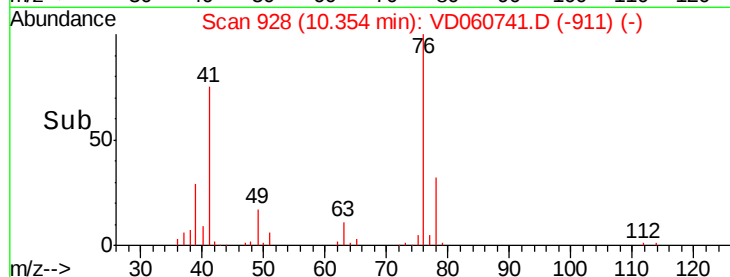
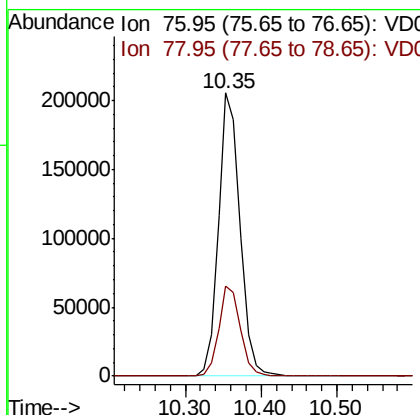
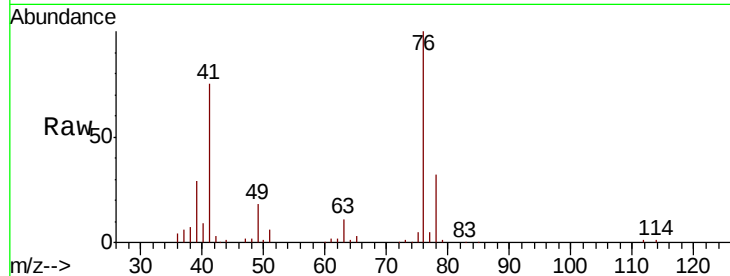
#57
 1,3-Dichloropropane
 Concen: 70.405 ug/l
 RT: 10.35 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion: 76 Resp: 408229
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

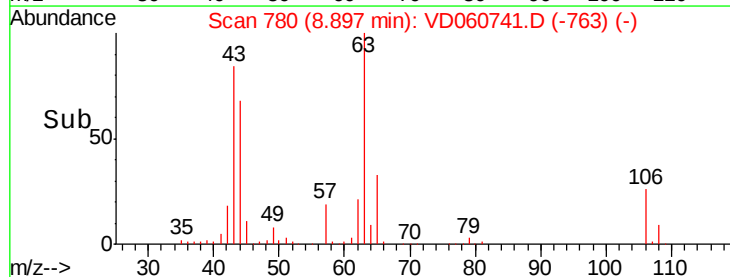
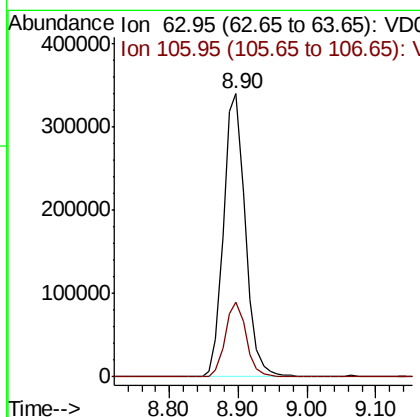
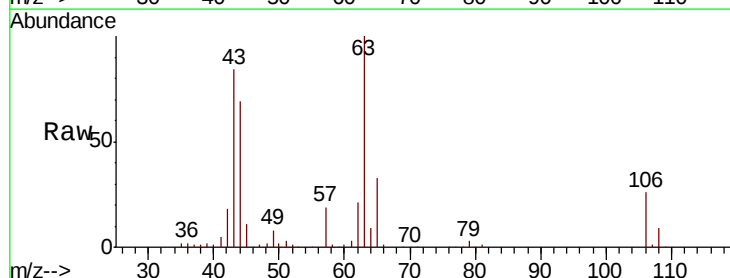
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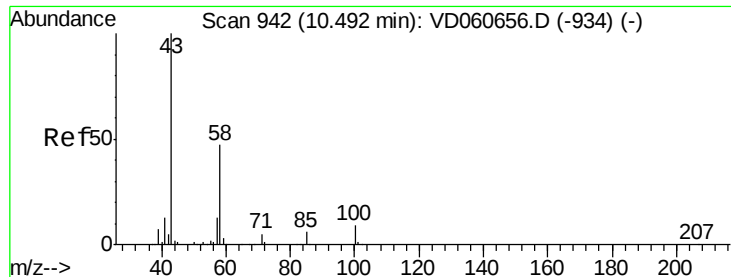
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#58
 2-Chloroethyl Vinyl ether
 Concen: 372.049 ug/l
 RT: 8.90 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion: 63 Resp: 744863
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.4 33.6





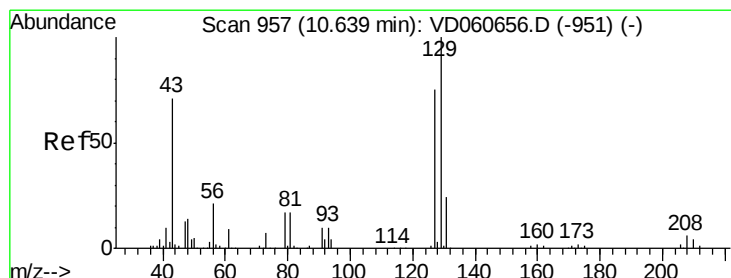
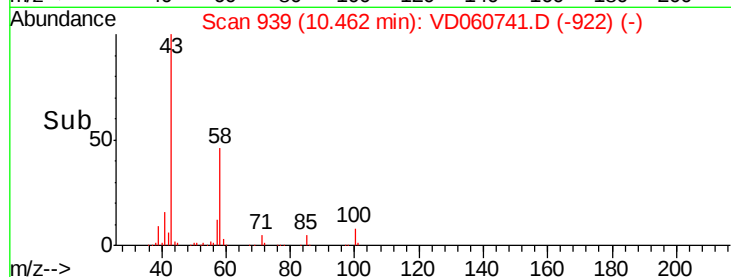
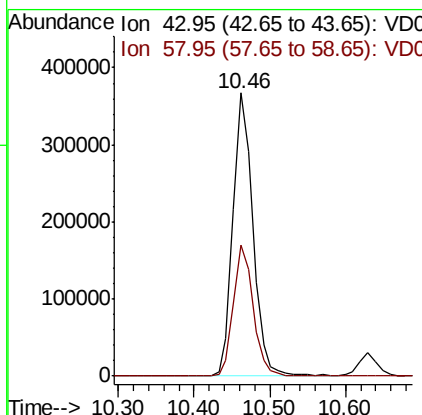
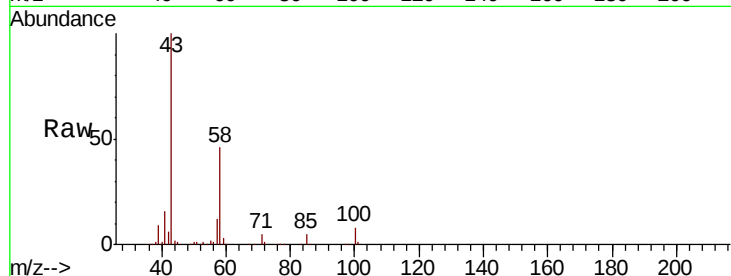
#59
2-Hexanone
Concen: 345.433 ug/l
RT: 10.46 min Scan# 939
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 43 Resp: 667549
Ion Ratio Lower Upper
43 100
58 46.3 23.5 70.5

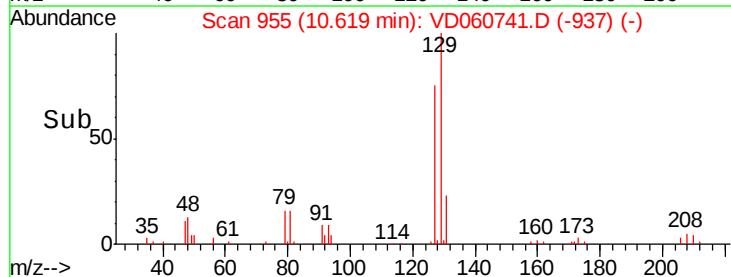
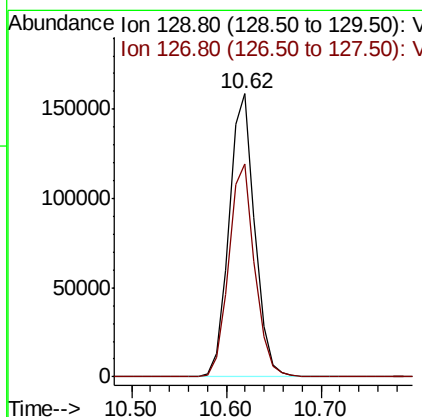
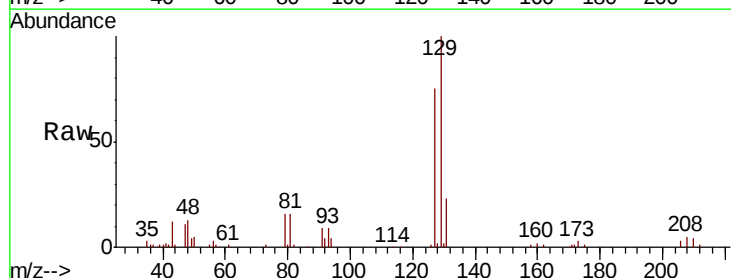
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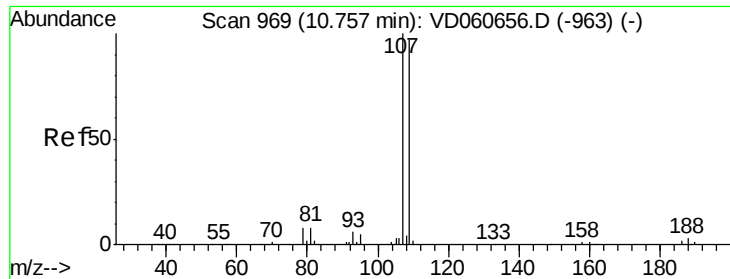
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#60
Dibromochloromethane
Concen: 63.926 ug/l
RT: 10.62 min Scan# 955
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 129 Resp: 297869
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.9





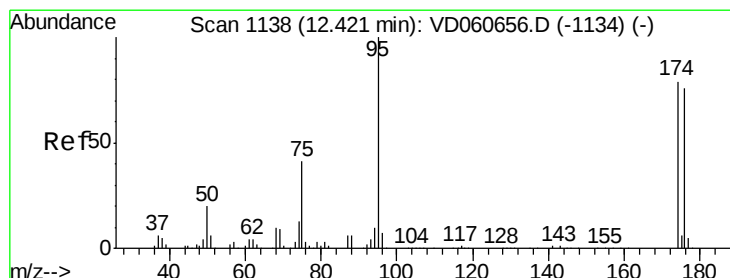
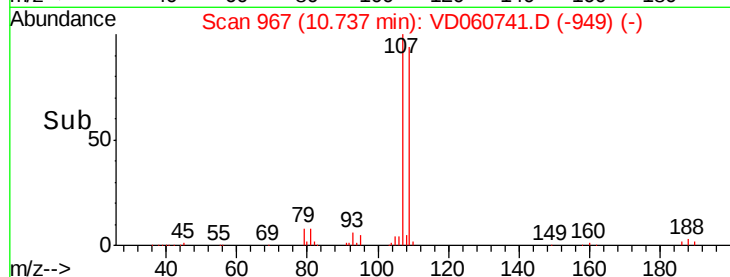
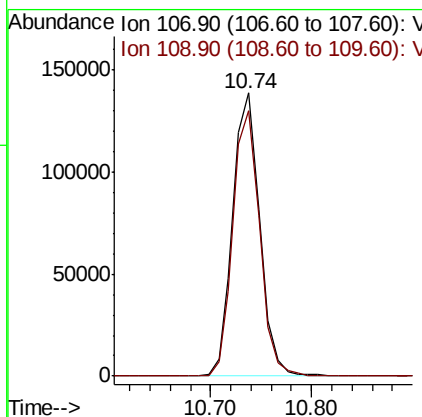
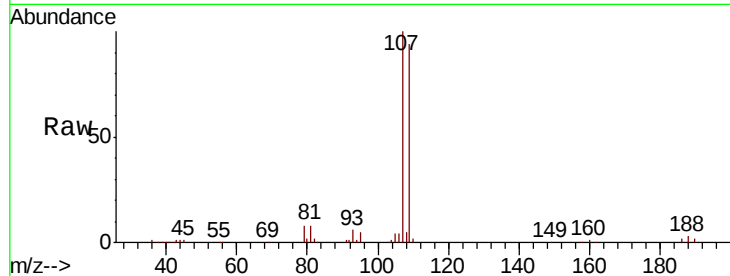
#61
 1,2-Dibromoethane
 Concen: 68.090 ug/l
 RT: 10.74 min Scan# 967
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	78.0	117.0

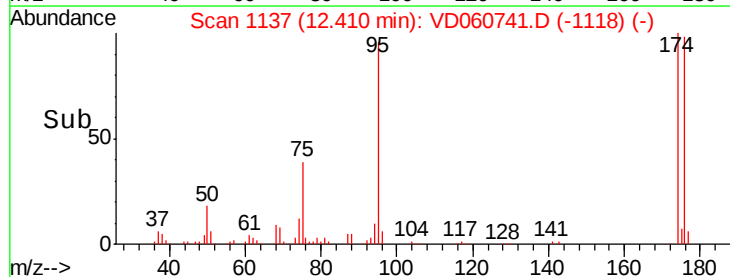
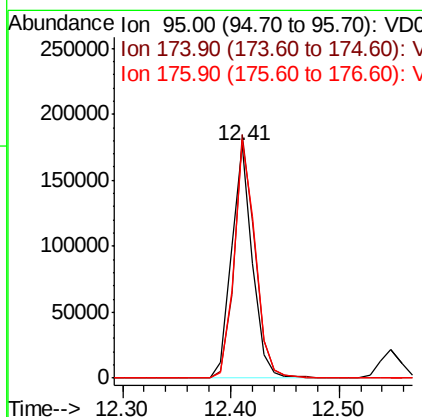
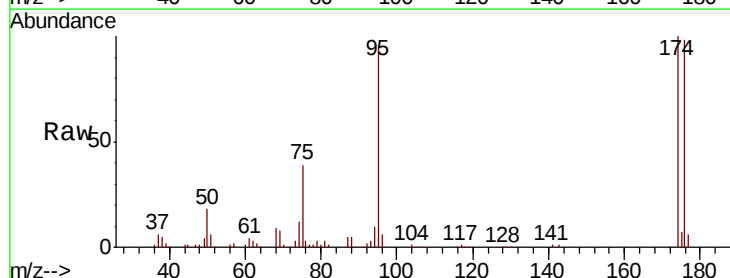
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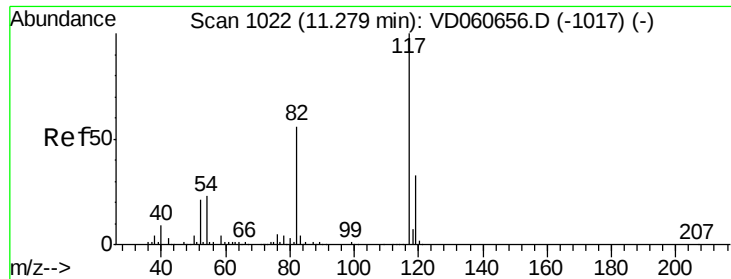
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#62
 4-Bromofluorobenzene
 Concen: 68.090 ug/l
 RT: 12.41 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	104.4	0.0	158.2
176	102.5	0.0	152.4





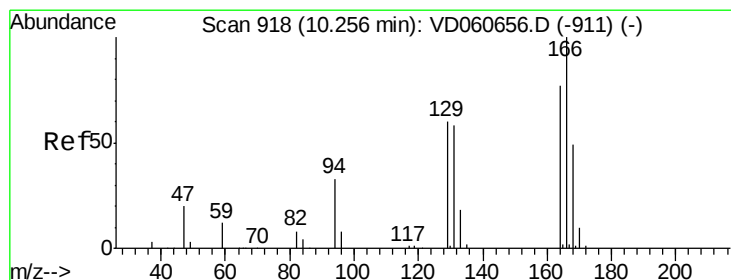
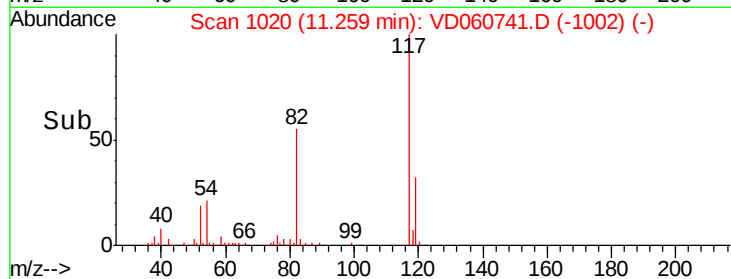
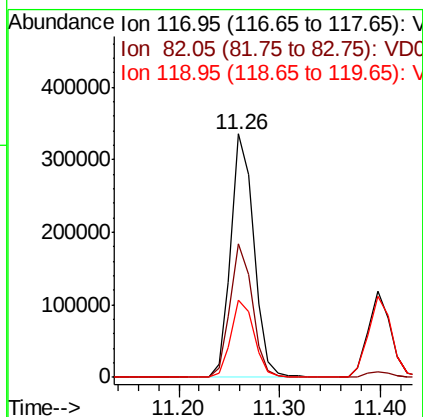
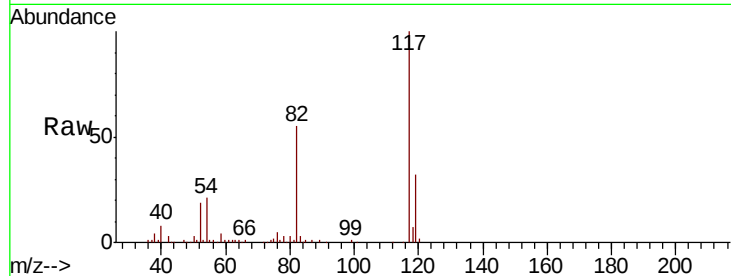
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.0	44.5	66.7	
119	31.6	26.3	39.5	

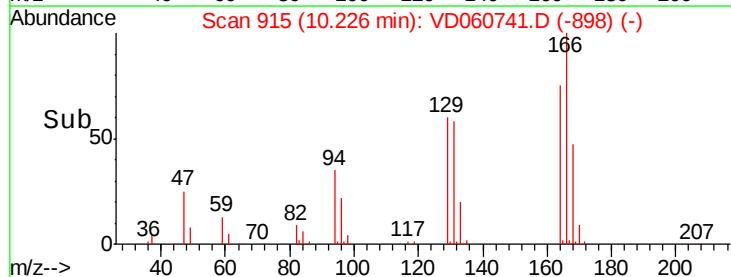
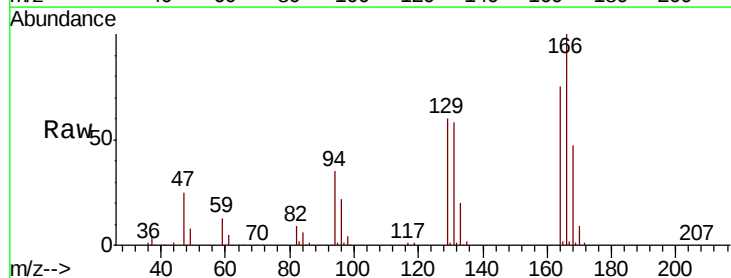
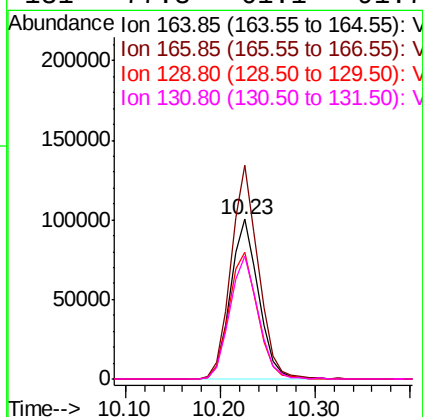
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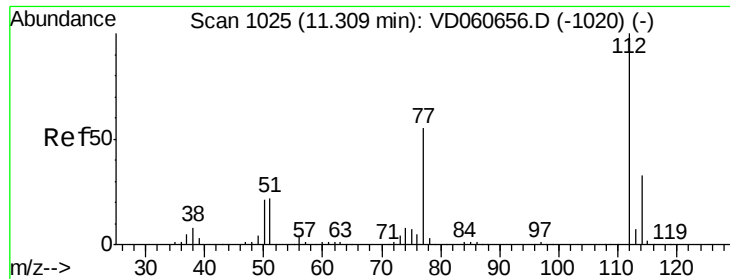
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#64
Tetrachloroethene
Concen: 42.451 ug/l
RT: 10.23 min Scan# 915
Delta R.T. -0.03 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	133.9	104.4	156.6	
129	79.7	62.7	94.1	
131	77.3	61.1	91.7	





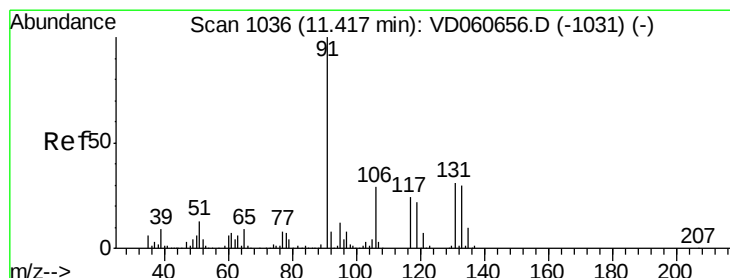
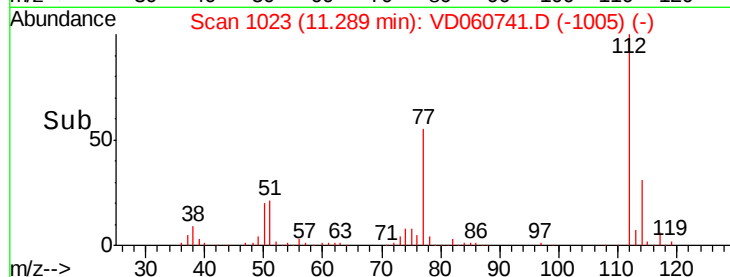
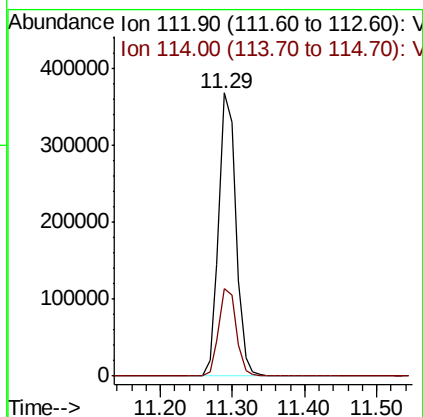
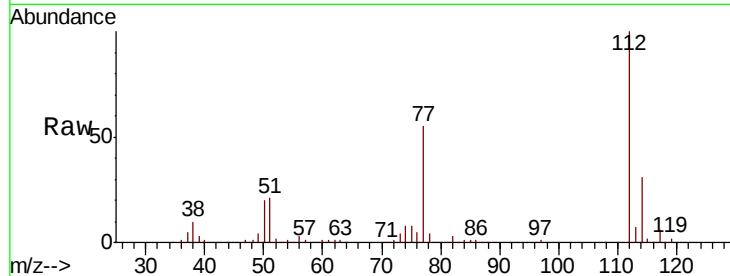
#65
Chlorobenzene
Concen: 51.697 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion:112 Resp: 608418
Ion Ratio Lower Upper
112 100
114 30.9 26.1 39.1

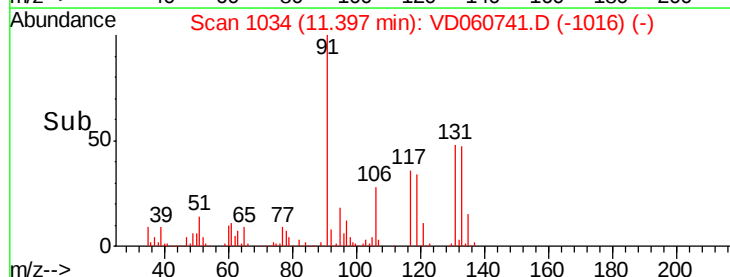
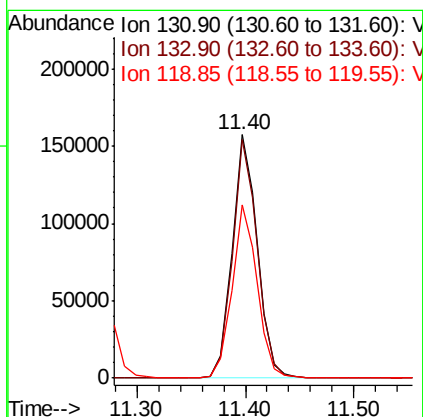
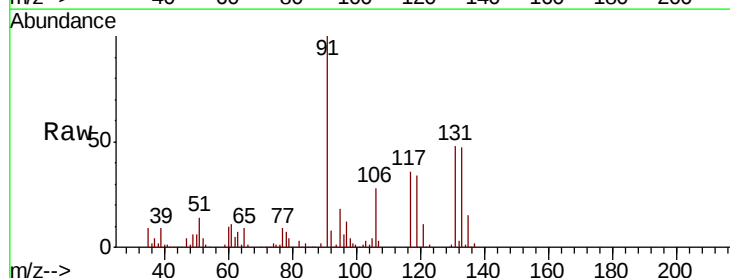
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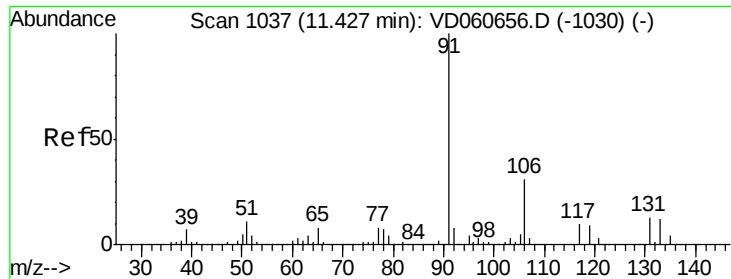
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#66
1,1,1,2-Tetrachloroethane
Concen: 66.802 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion:131 Resp: 252780
Ion Ratio Lower Upper
131 100
133 98.0 49.1 147.3
119 71.1 36.6 109.8





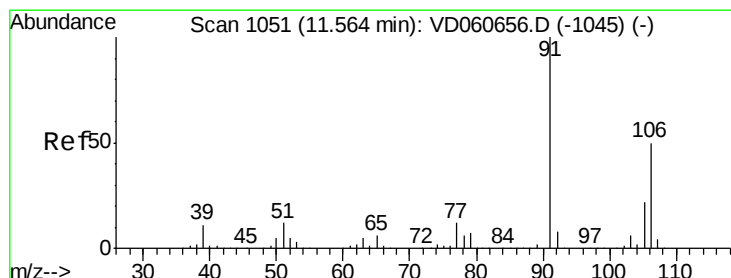
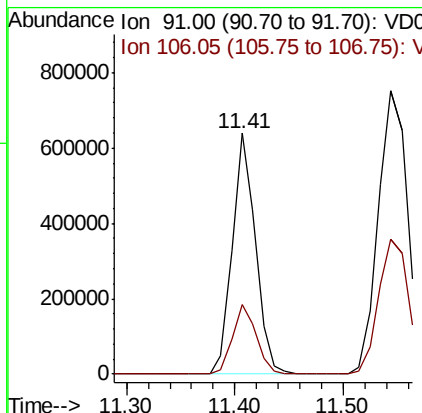
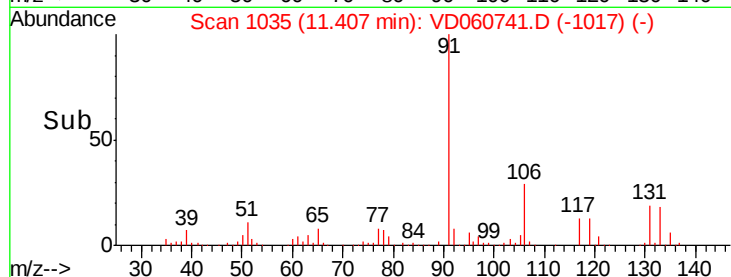
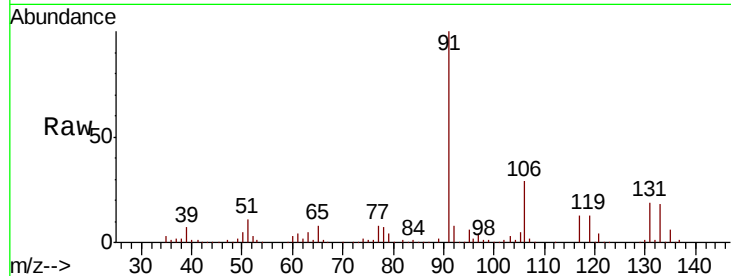
#67
Ethyl Benzene
Concen: 47.474 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion: 91 Resp: 956866
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8

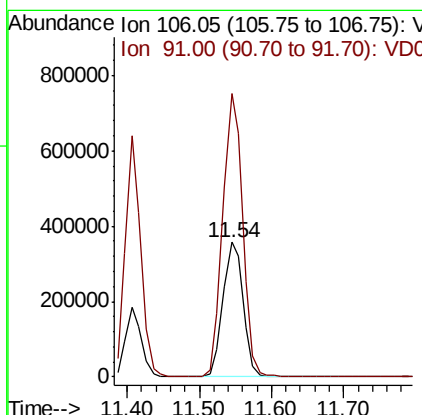
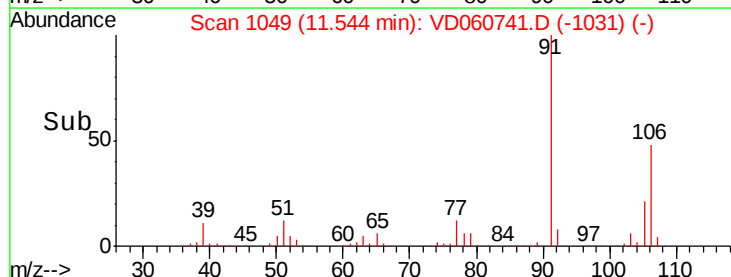
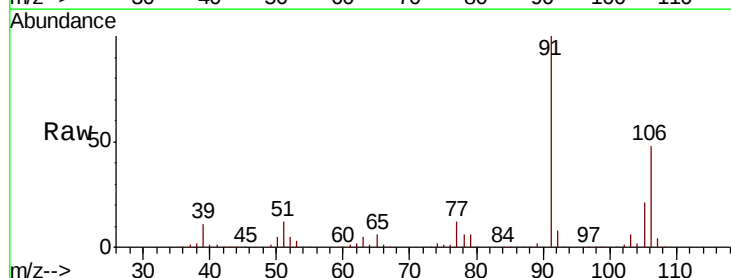
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#68
m/p-Xylenes
Concen: 93.764 ug/l
RT: 11.54 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion: 106 Resp: 690651
Ion Ratio Lower Upper
106 100
91 210.2 158.9 238.3





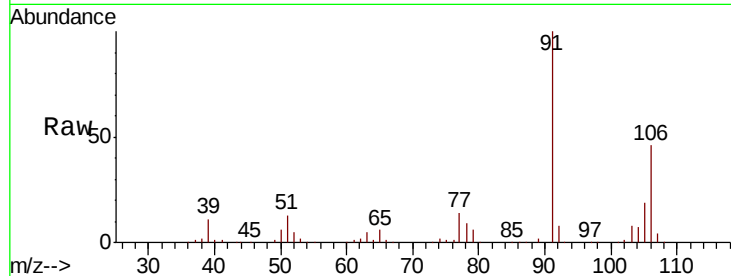
#69
o-Xylene
Concen: 48.038 ug/l
RT: 11.92 min Scan# 1087
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

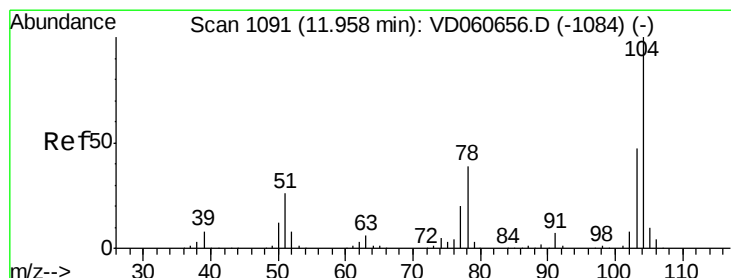
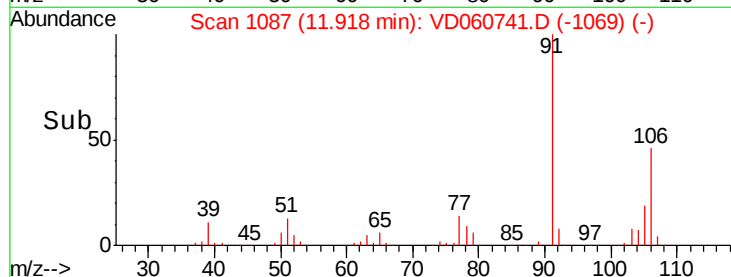
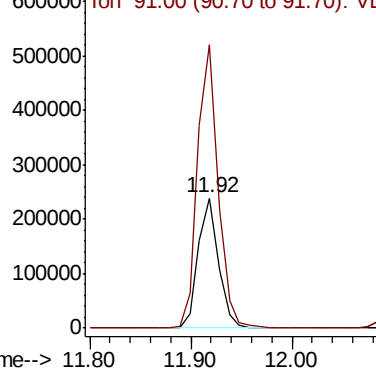
Tot Ion:106 Resp: 335700
Ion Ratio Lower Upper
106 100
91 217.1 101.5 304.5

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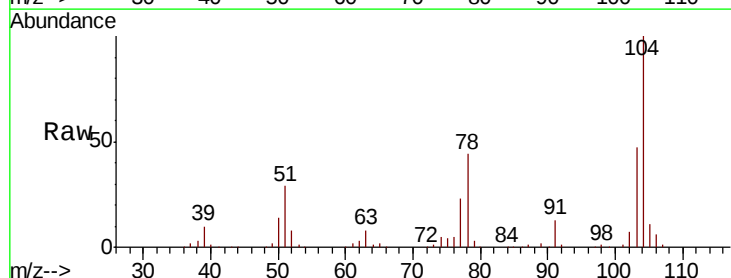


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

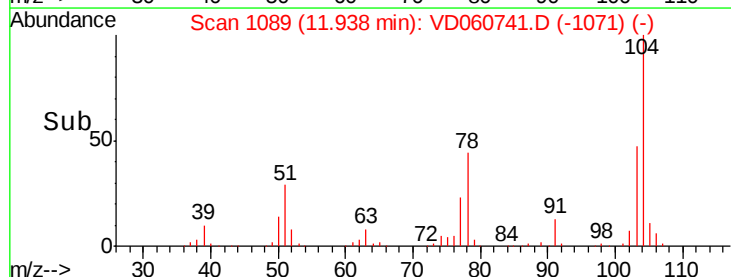
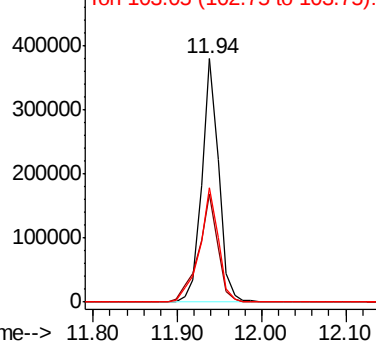


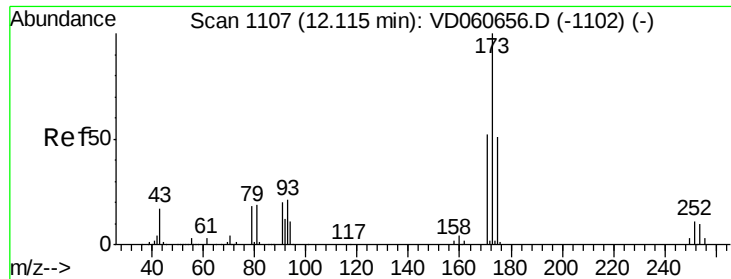
#70
Styrene
Concen: 46.755 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion:104 Resp: 526226
Ion Ratio Lower Upper
104 100
78 44.2 31.4 47.2
103 47.1 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





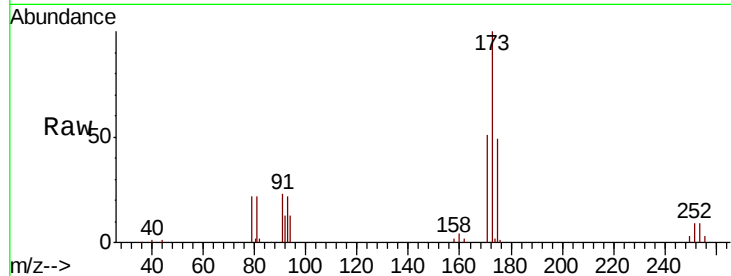
#71
Bromoform
Concen: 72.004 ug/l
RT: 12.10 min Scan# 1105
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

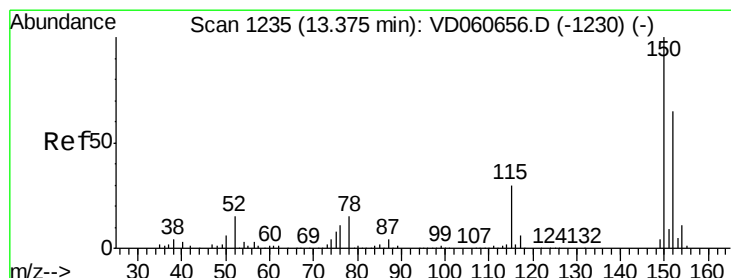
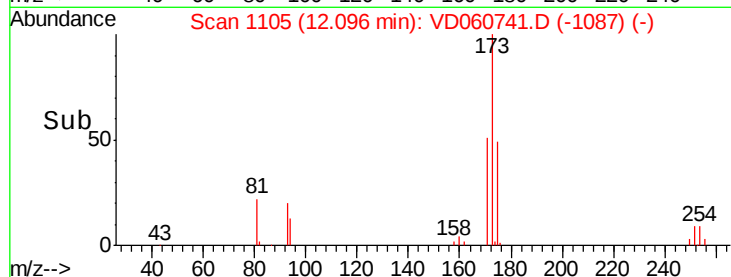
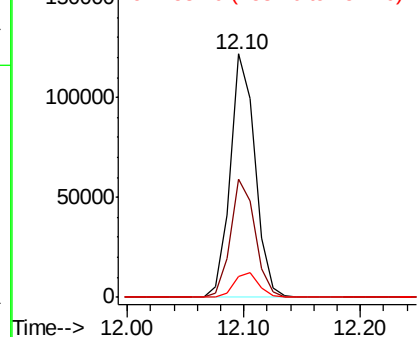
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	25.5	76.5
254	8.8	7.9	11.9

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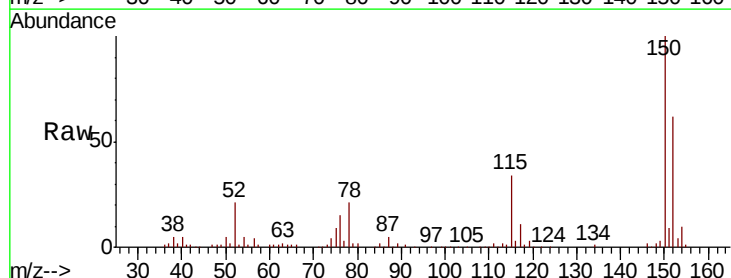


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

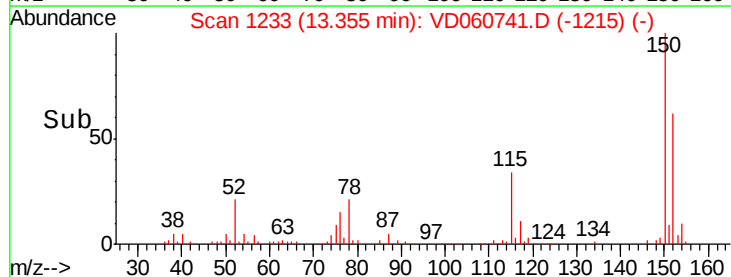
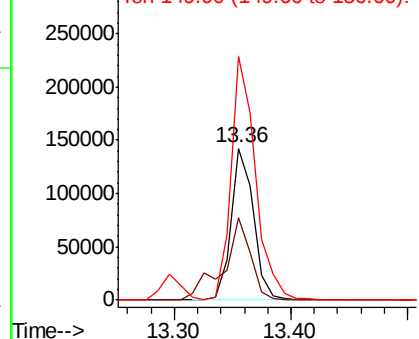


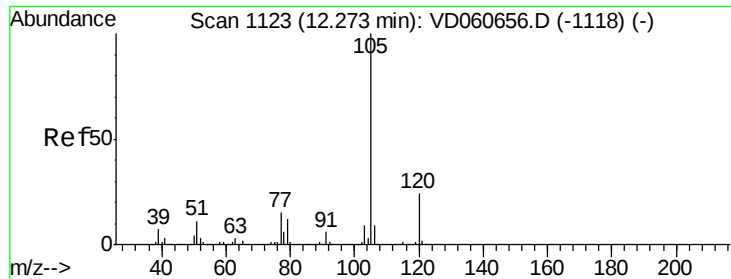
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	24.1	72.3
150	160.4	0.0	315.0



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





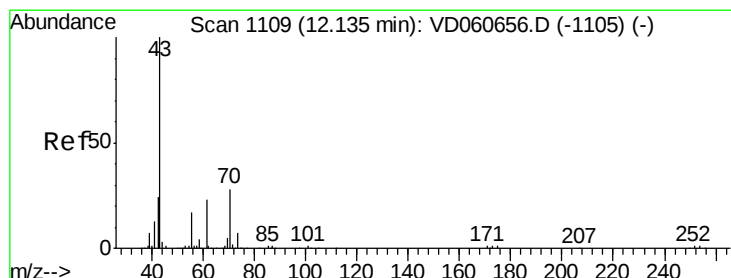
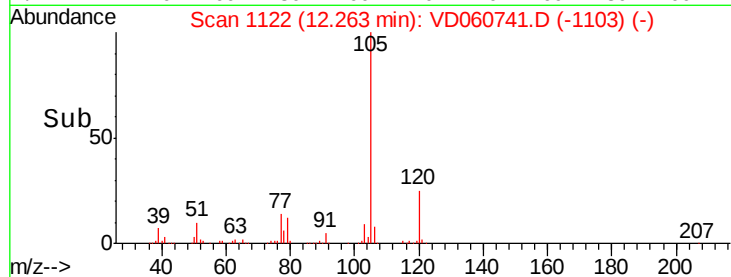
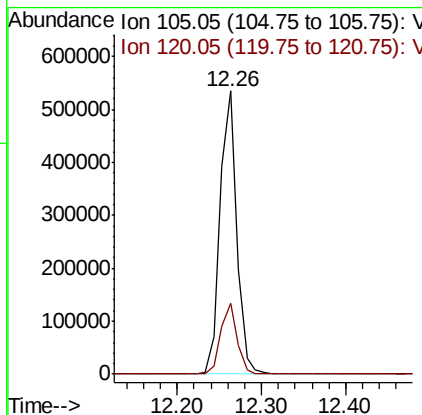
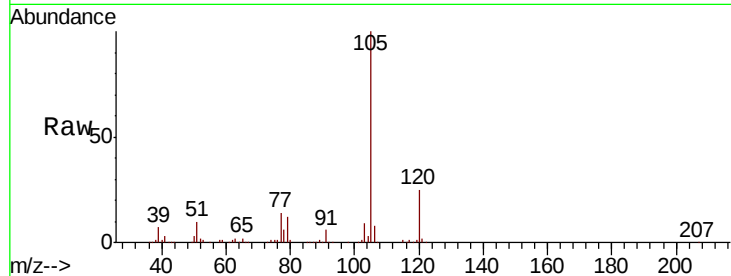
#73
Isopropylbenzene
Concen: 54.810 ug/l
RT: 12.26 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.2	36.4

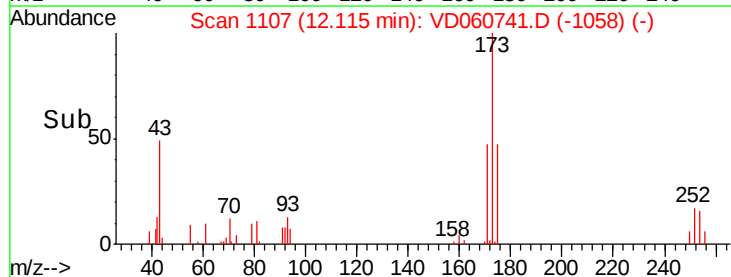
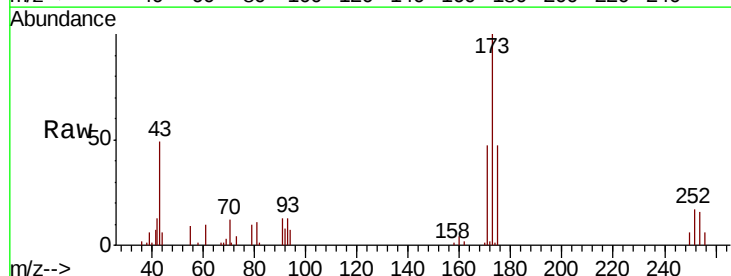
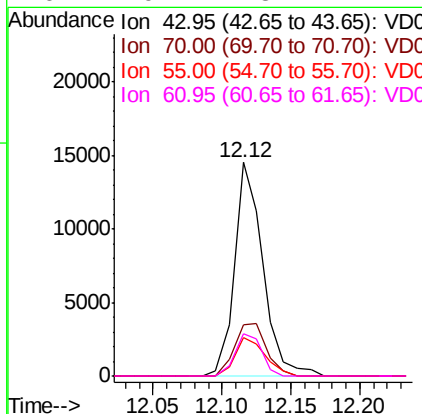
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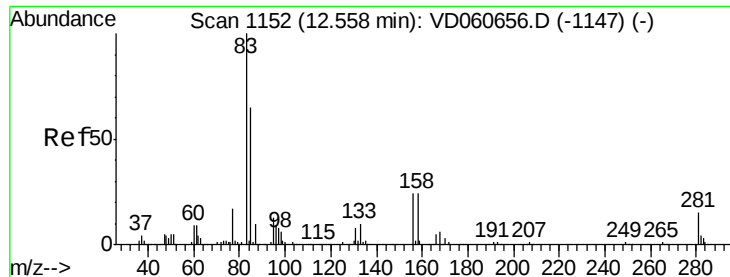
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#74
N-ethyl acetate
Concen: 6.574 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	23.7	22.2	33.2
55	17.9	13.8	20.8
61	19.7	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 109.677 ug/l

RT: 12.55 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

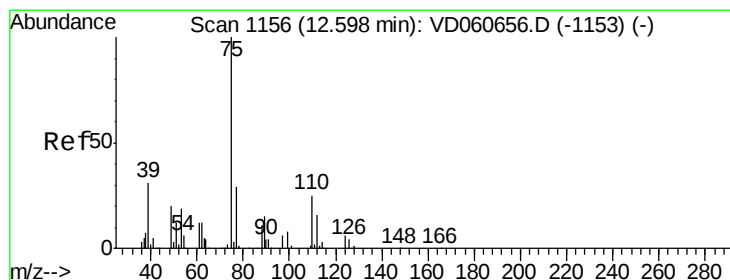
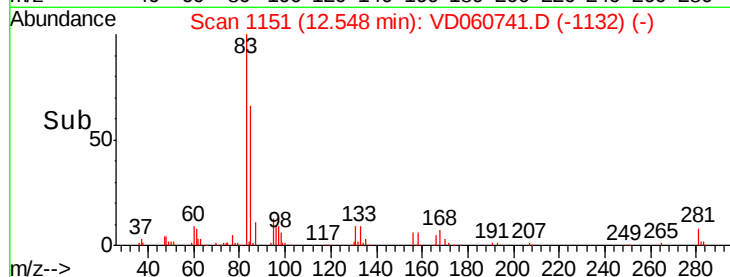
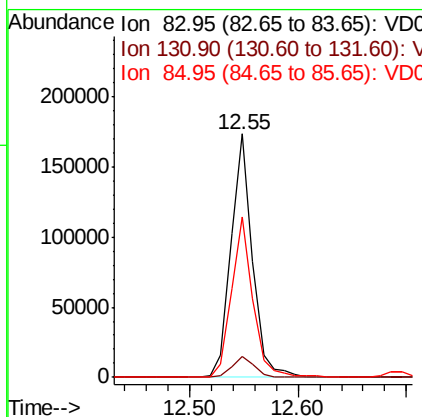
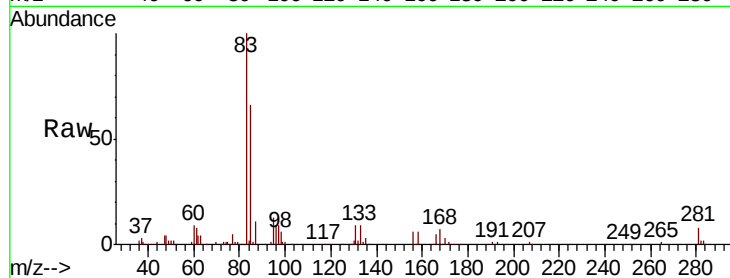
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	83	Resp:	238737
Ion Ratio		Lower	Upper
83	100		
131	8.6	4.2	12.4
85	65.8	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 110.557 ug/l

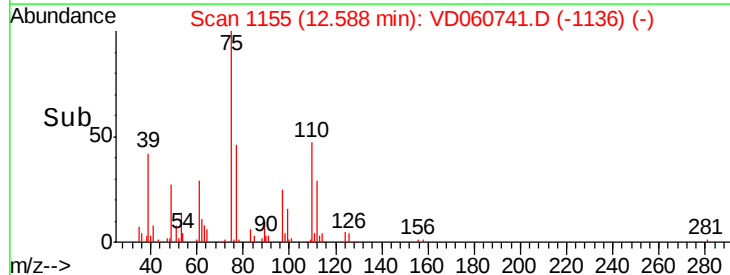
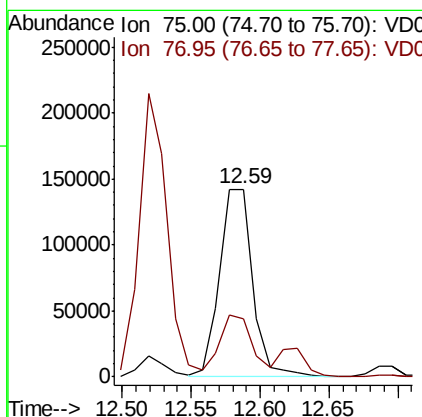
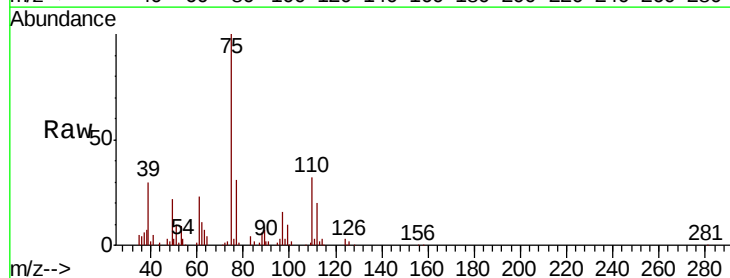
RT: 12.59 min Scan# 1155

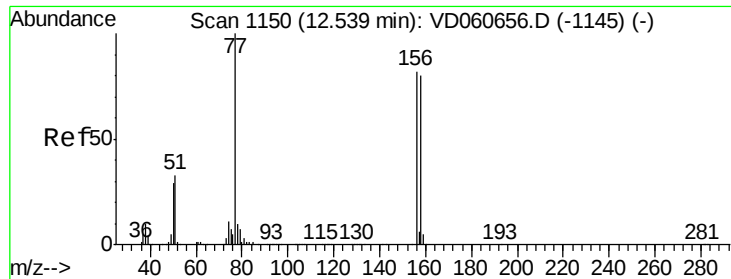
Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	75	Resp:	237407
Ion Ratio		Lower	Upper
75	100		
77	31.2	16.7	50.0





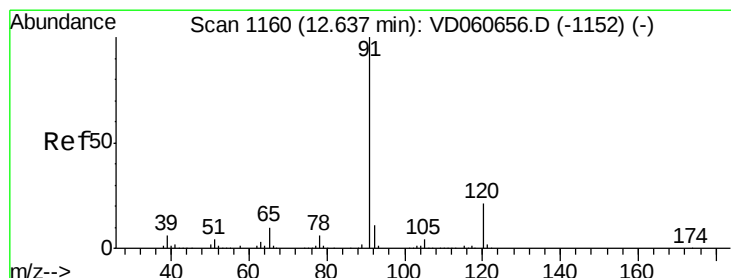
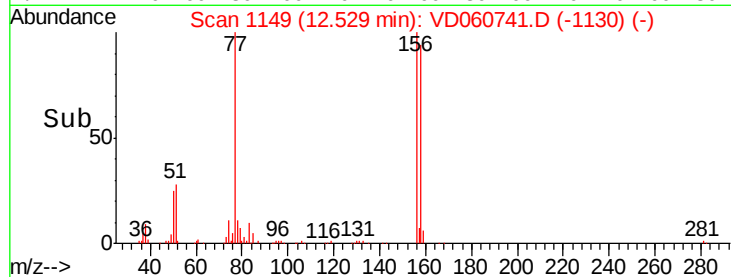
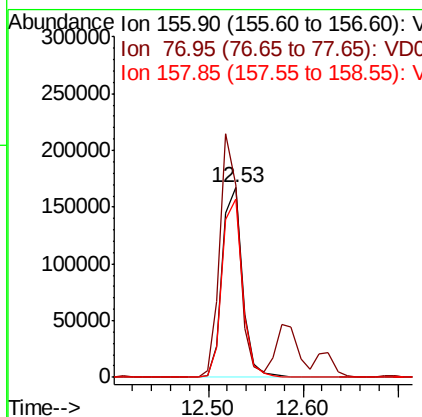
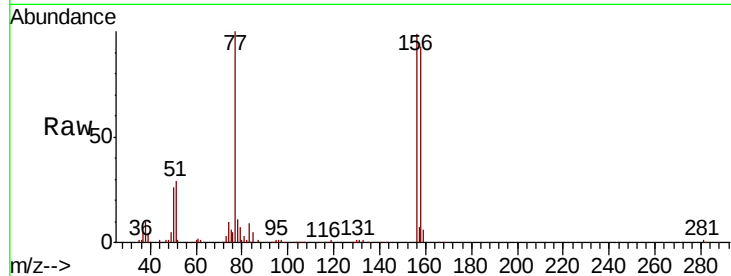
#77
Bromobenzene
Concen: 69.191 ug/l
RT: 12.53 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		245314		
77	101.4	61.3	183.9		
158	94.4	48.9	146.6		

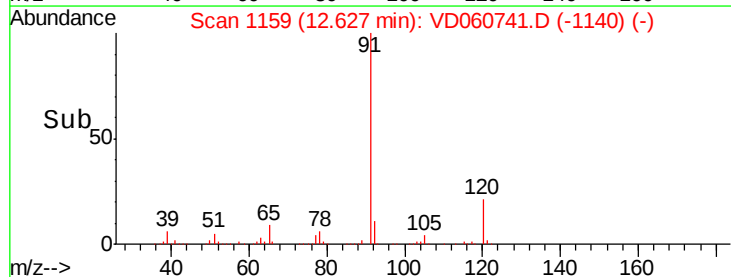
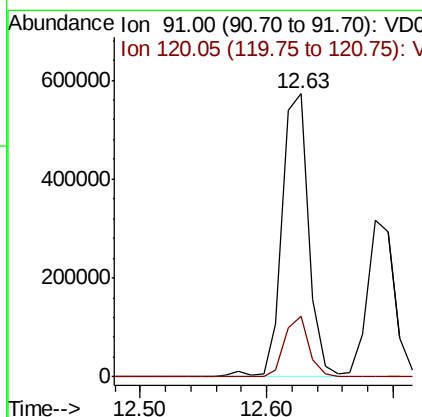
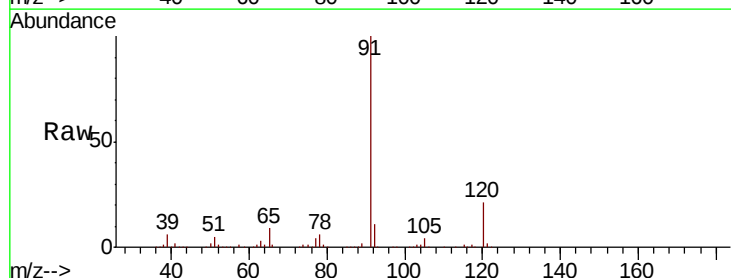
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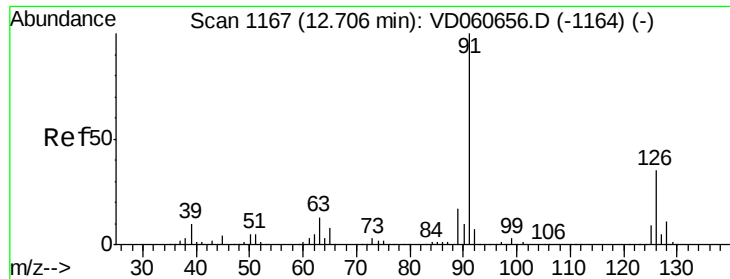
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#78
n-propylbenzene
Concen: 49.116 ug/l
RT: 12.63 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		843235		
120	21.2	10.4	31.2		





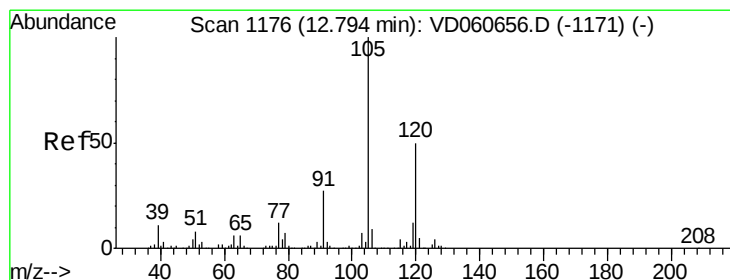
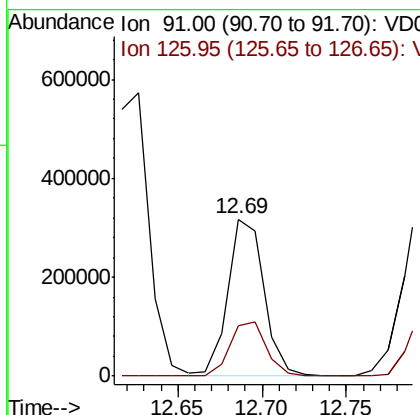
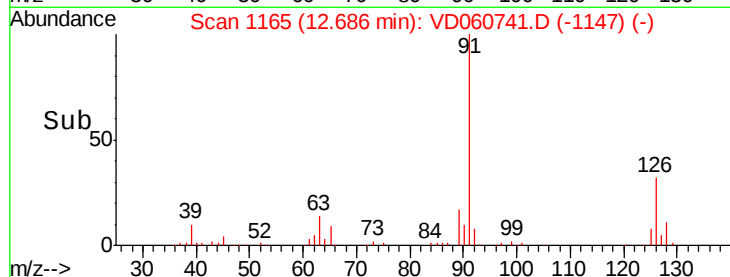
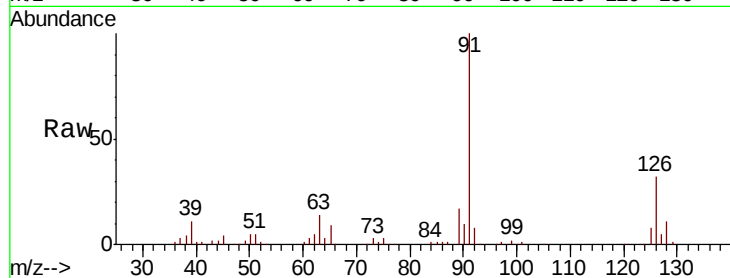
#79
 2-Chlorotoluene
 Concen: 51.505 ug/l
 RT: 12.69 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

Tot Ion: 91 Resp: 473616
 Ion Ratio Lower Upper
 91 100
 126 31.9 17.2 51.5

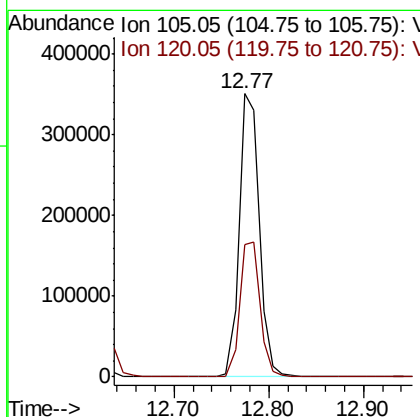
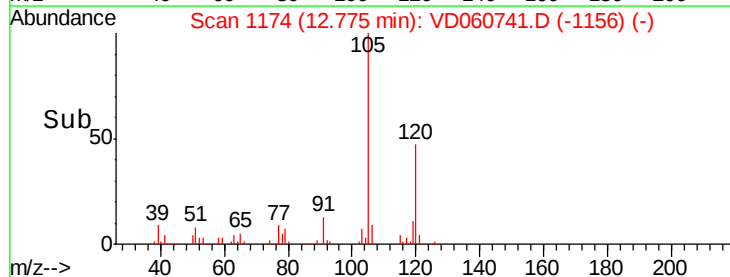
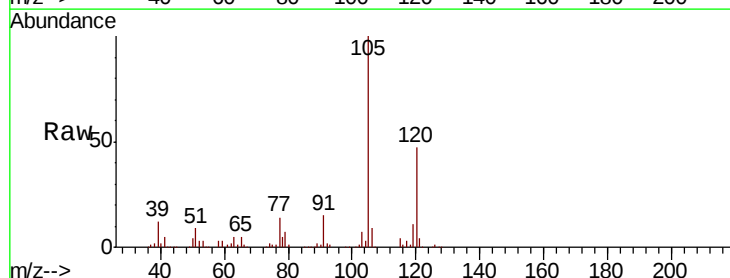
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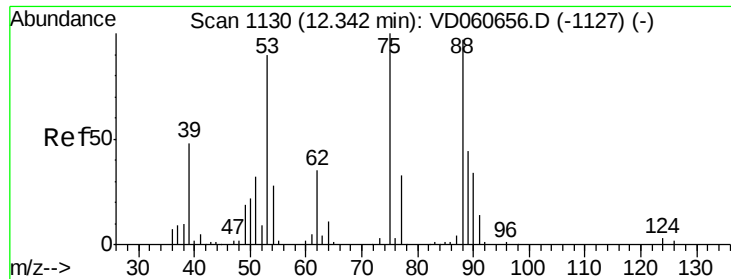
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.497 ug/l
 RT: 12.77 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion: 105 Resp: 513282
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 98.039 ug/l

RT: 12.32 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

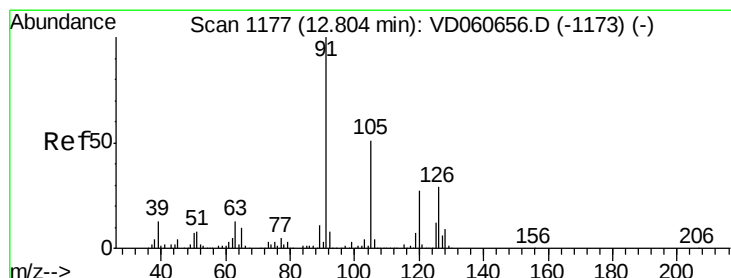
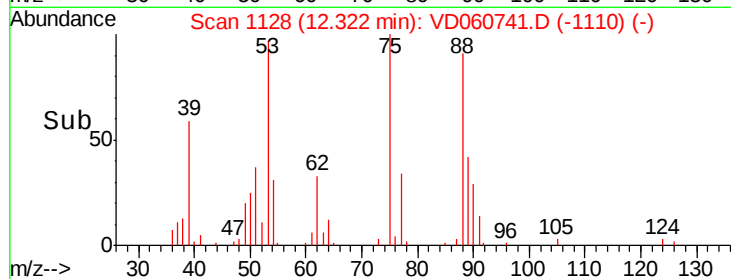
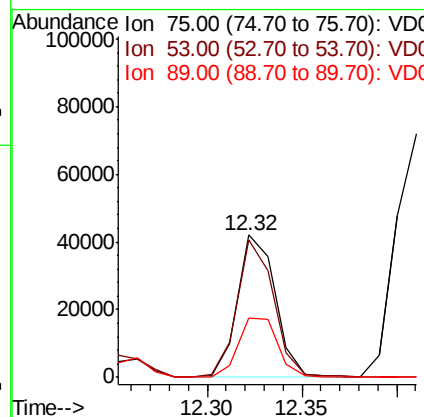
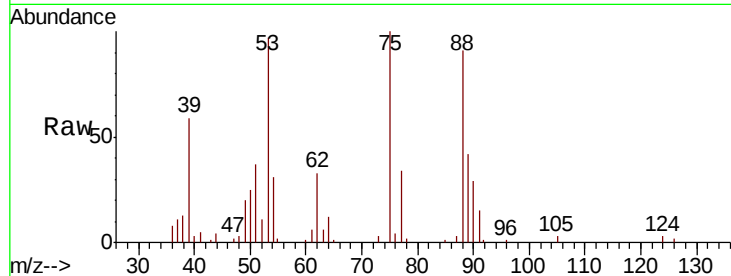
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	75	Resp:	58173
Ion Ratio	Lower	Upper	
75	100		
53	96.7	72.1	108.1
89	41.8	35.1	52.7

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#82

4-Chlorotoluene

Concen: 51.598 ug/l

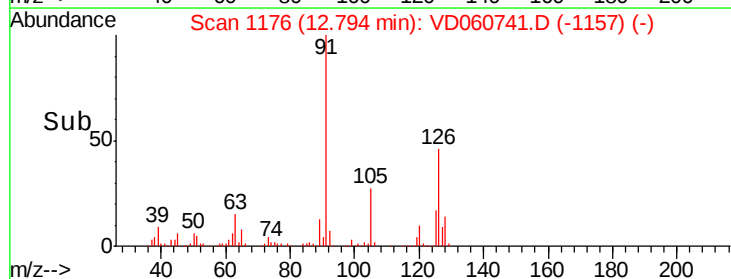
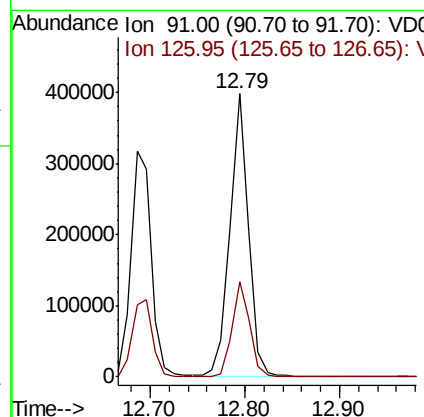
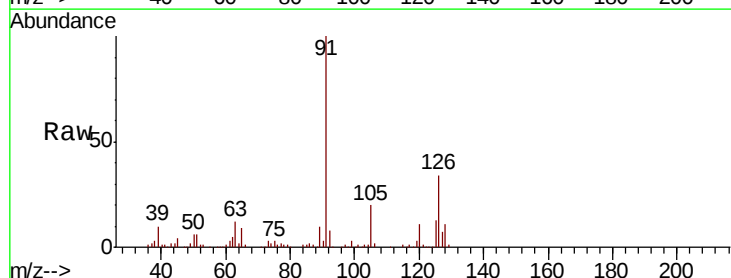
RT: 12.79 min Scan# 1176

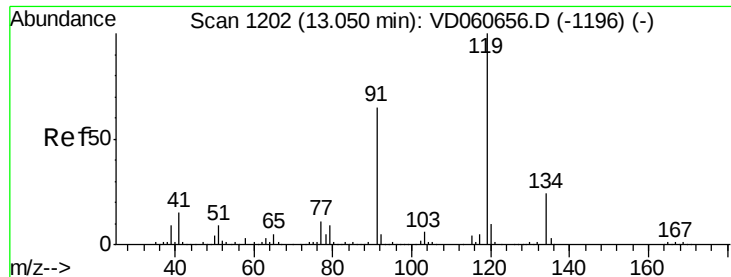
Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	91	Resp:	537789
Ion Ratio	Lower	Upper	
91	100		
126	33.6	14.6	43.8





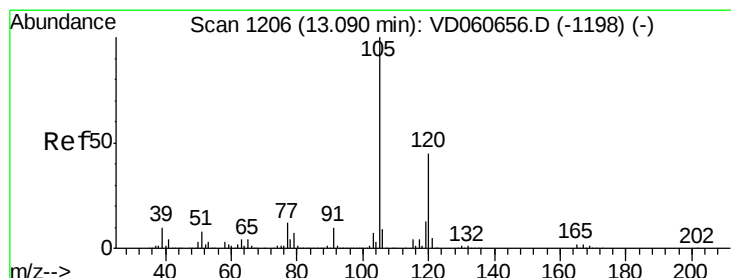
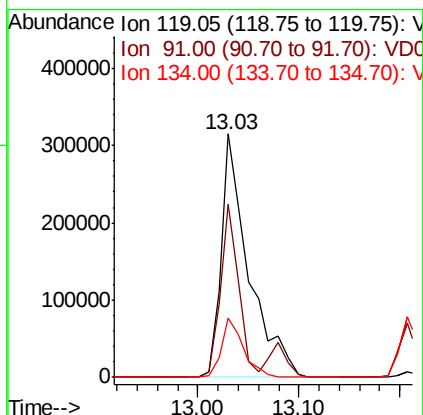
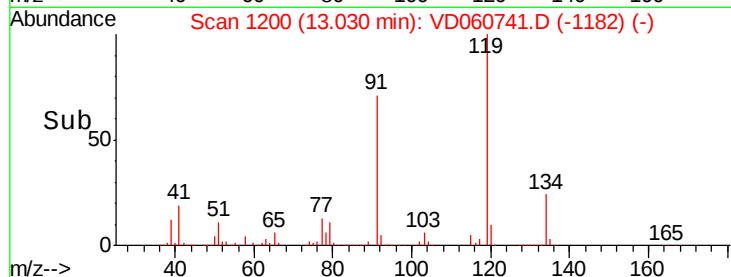
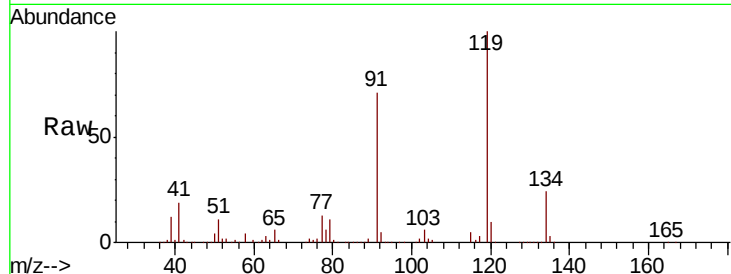
#83
tert-Butylbenzene
Concen: 50.589 ug/l
RT: 13.03 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	597033		
91	71.2	32.5	97.4	
134	24.4	11.9	35.9	

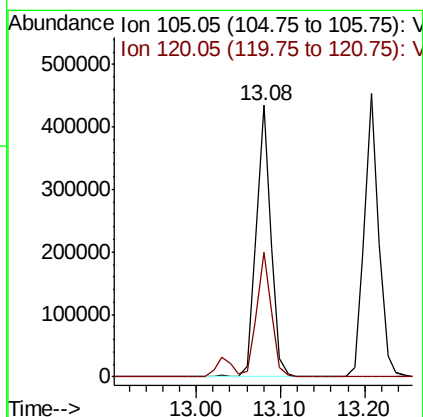
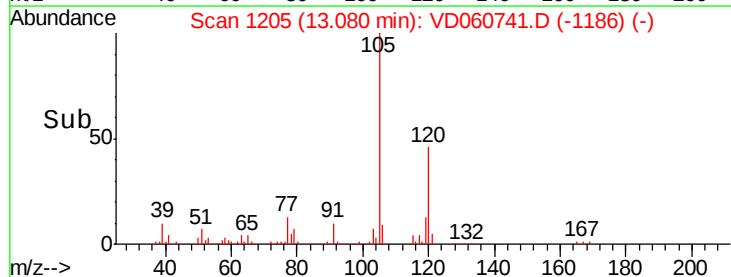
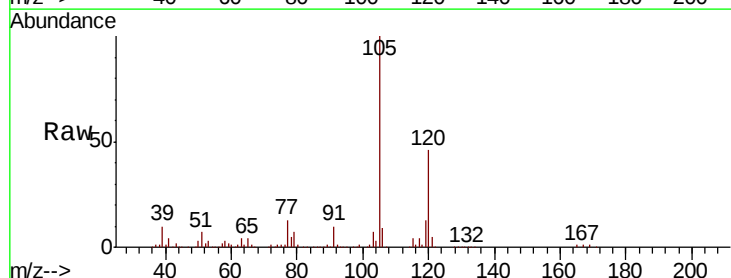
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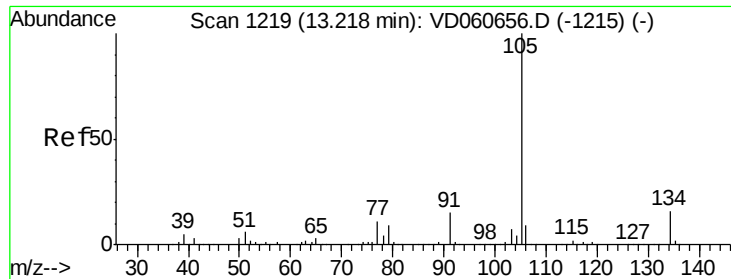
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#84
1,2,4-Trimethylbenzene
Concen: 50.249 ug/l
RT: 13.08 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536670		
120	45.9	22.4	67.0	





#85

sec-Butylbenzene

Concen: 37.465 ug/l

RT: 13.21 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

ClientSampleID :

P001-SS025-1218-01MSD

Tot Ion:105 Resp: 539214

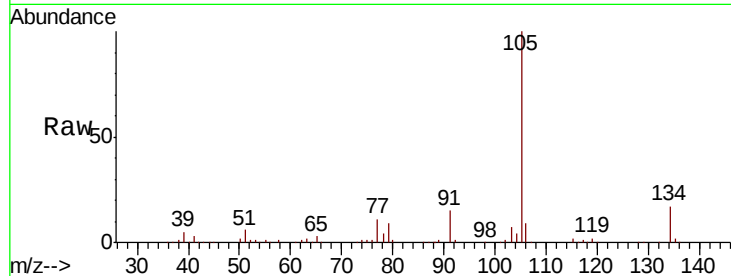
Ion Ratio Lower Upper

105 100

134 17.4 8.2 24.4

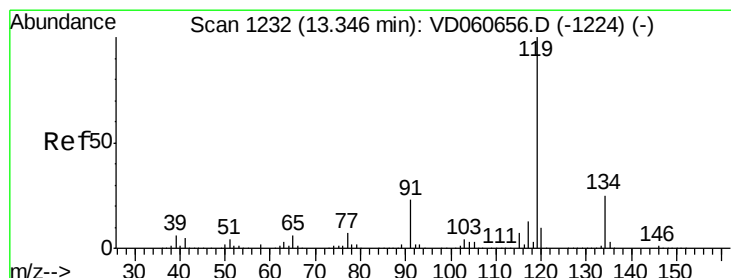
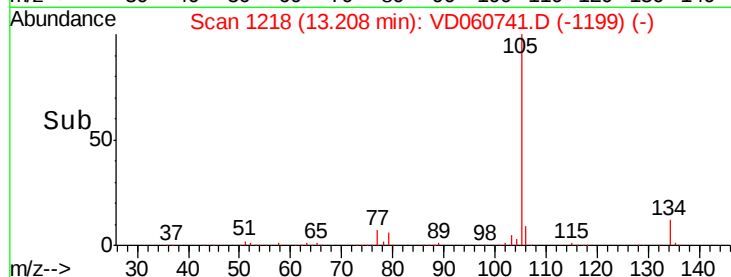
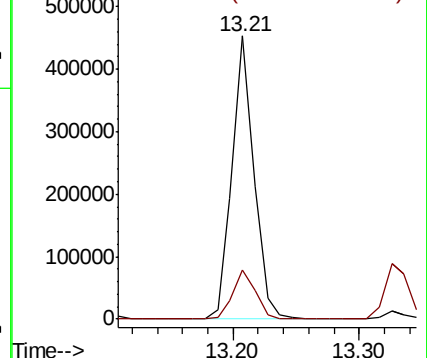
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 39.706 ug/l

RT: 13.33 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

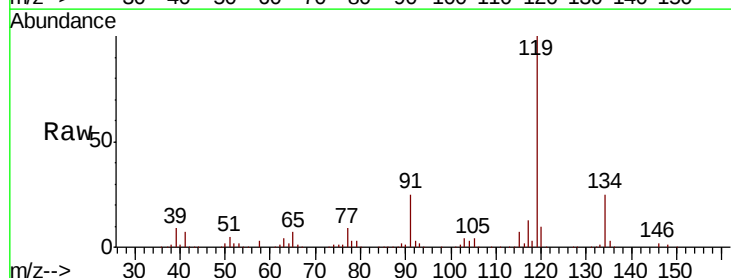
Tgt Ion:119 Resp: 461292

Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

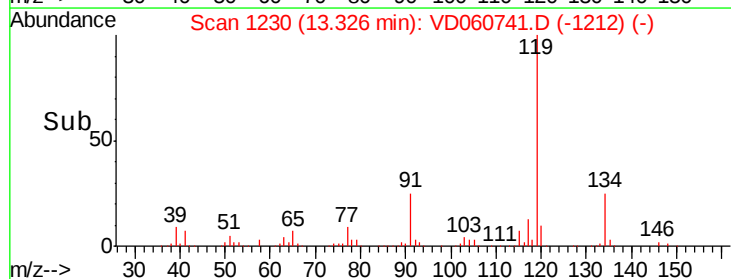
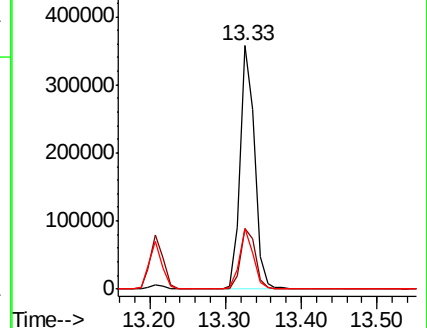
91 25.0 11.4 34.2

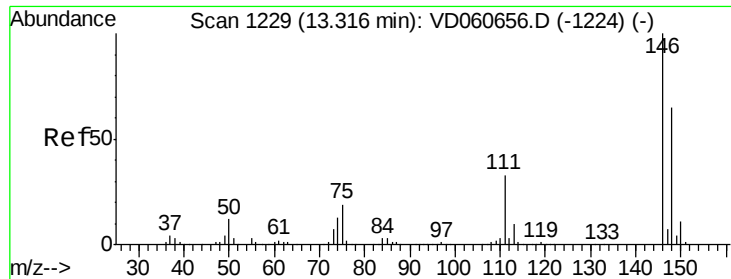


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.462 ug/l

RT: 13.30 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

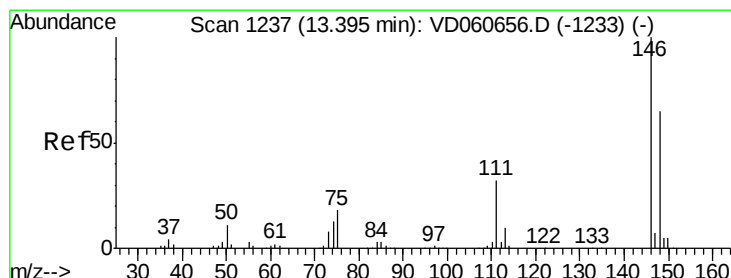
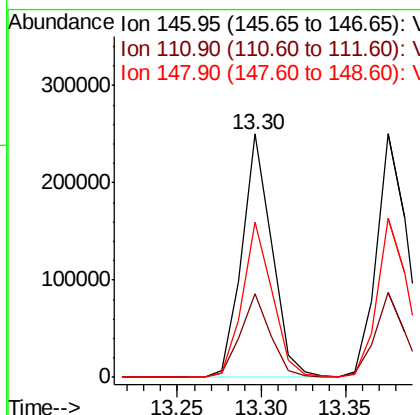
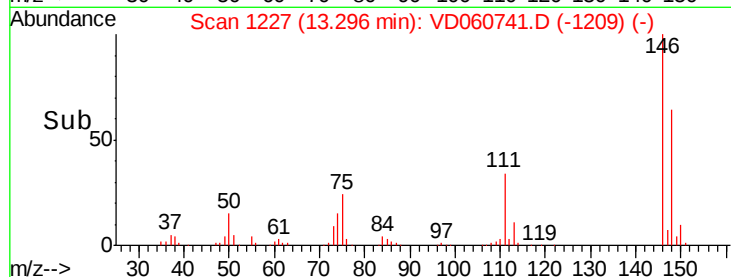
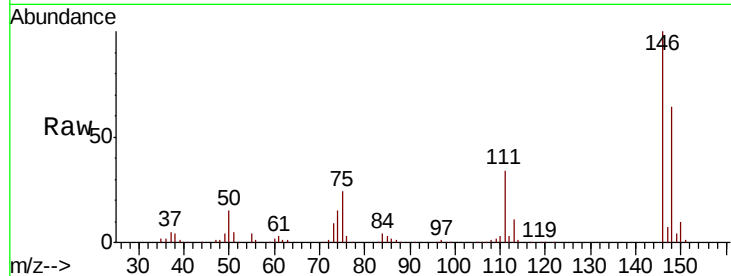
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	146	Resp:	308909
Ion Ratio	Lower	Upper	
146	100		
111	34.3	16.6	49.8
148	63.6	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 49.650 ug/l

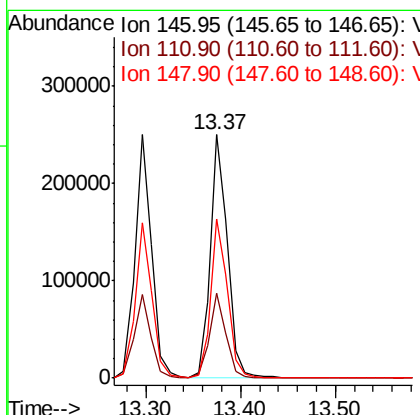
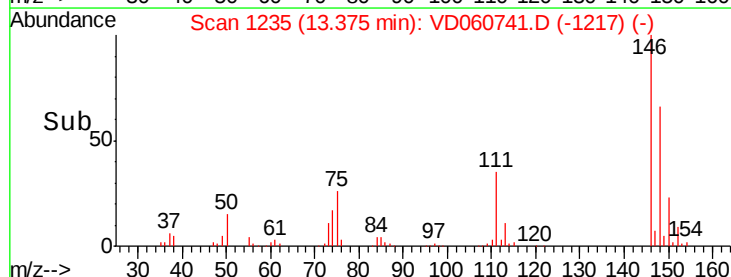
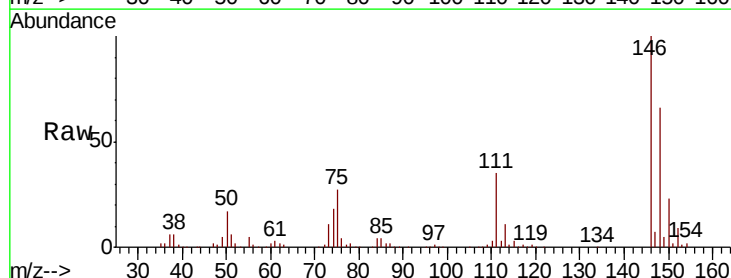
RT: 13.37 min Scan# 1235

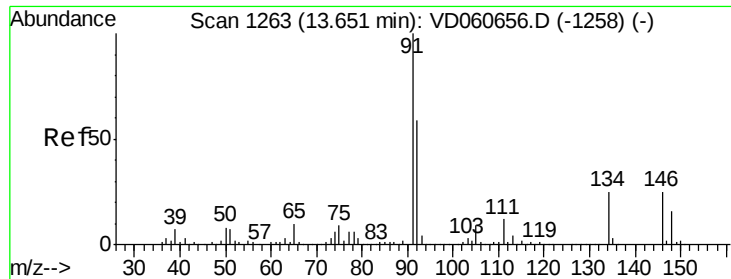
Delta R.T. -0.02 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	146	Resp:	318430
Ion Ratio	Lower	Upper	
146	100		
111	34.8	16.2	48.5
148	65.7	32.7	98.1





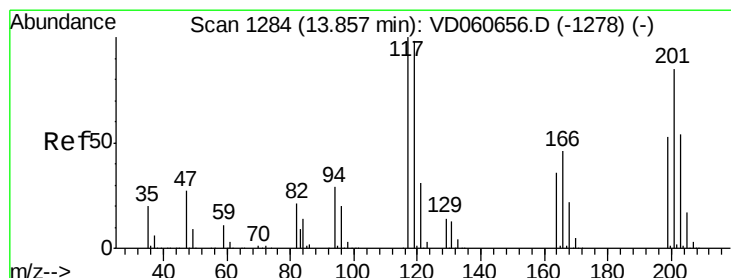
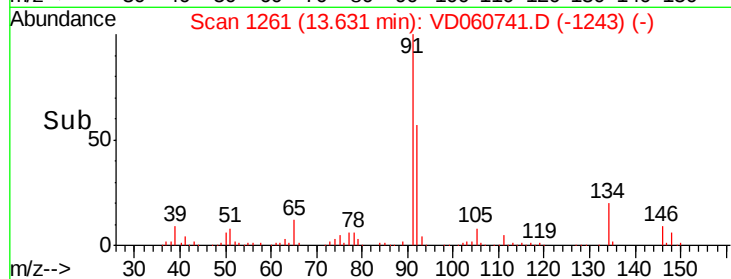
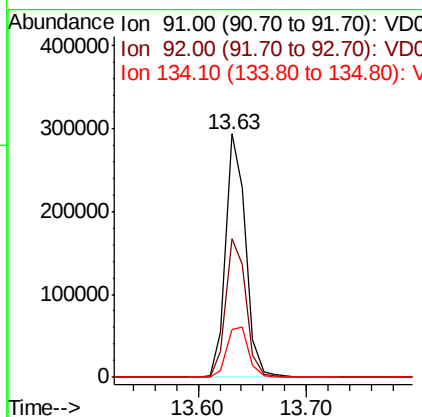
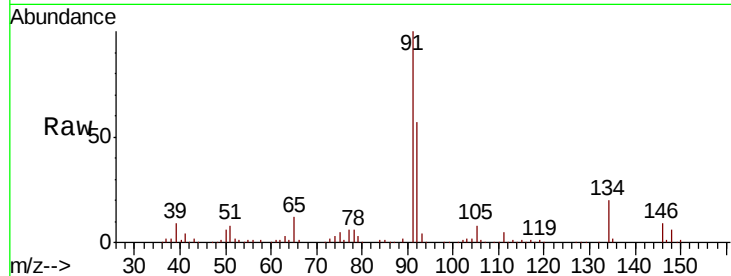
#89
n-Butylbenzene
Concen: 31.788 ug/l
RT: 13.63 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	29.7	89.1
134	19.8	12.7	38.1

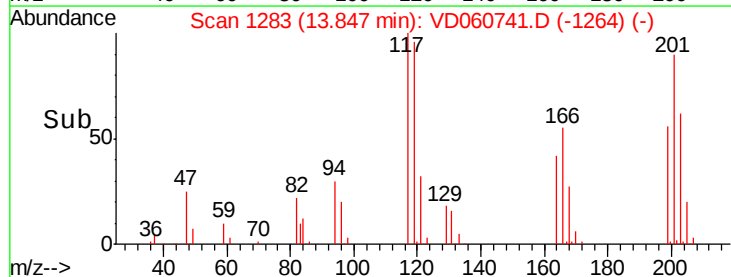
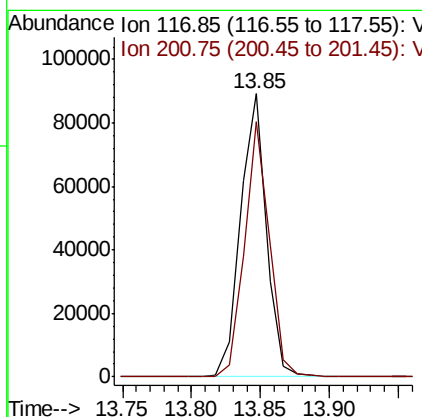
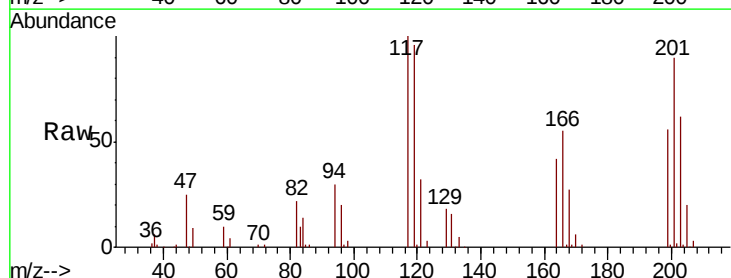
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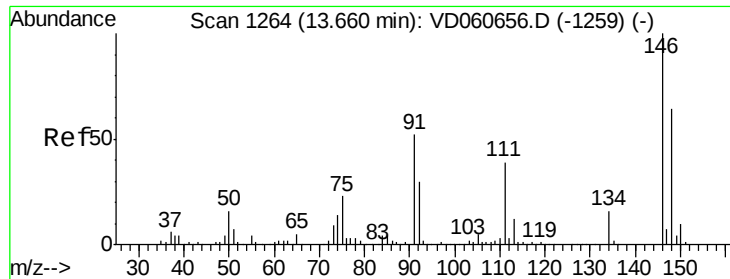
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#90
Hexachloroethane
Concen: 40.776 ug/l
RT: 13.85 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD060741.D
Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	42.6	127.8





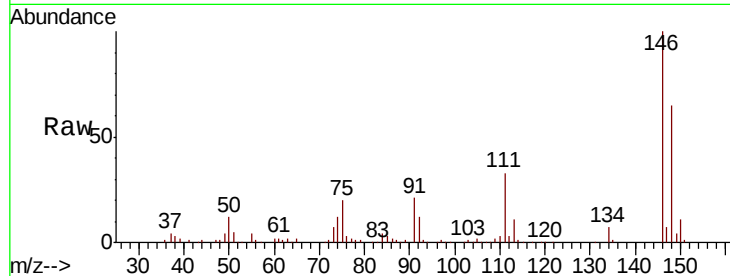
#91
 1,2-Dichlorobenzene
 Concen: 55.290 ug/l
 RT: 13.65 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

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

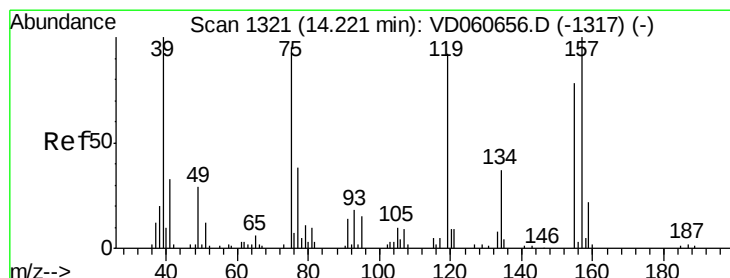
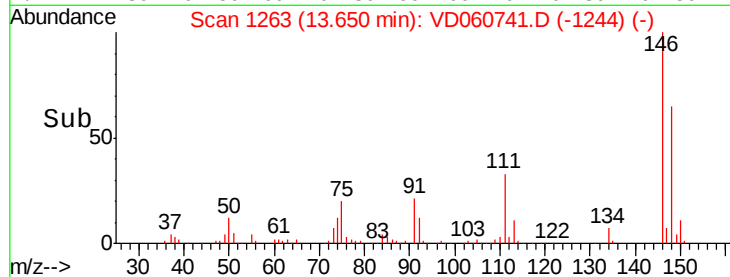
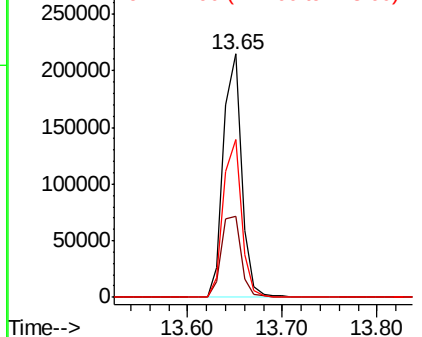
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.2	19.3	57.9
148	64.7	31.9	95.9

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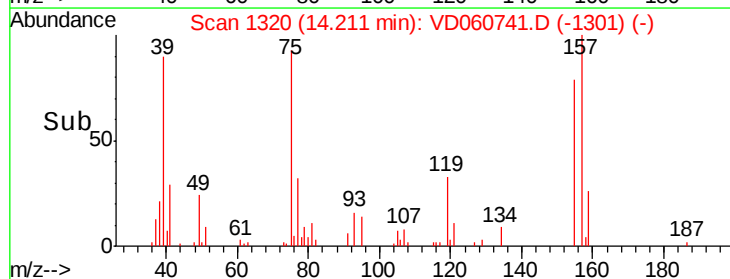
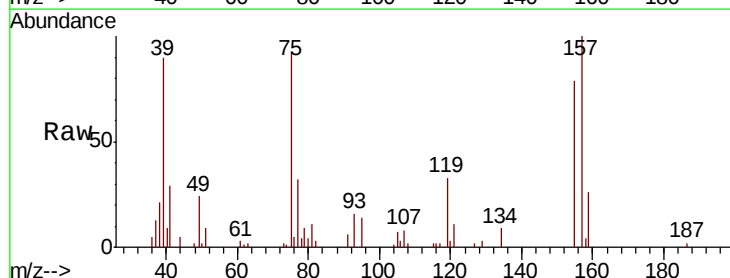
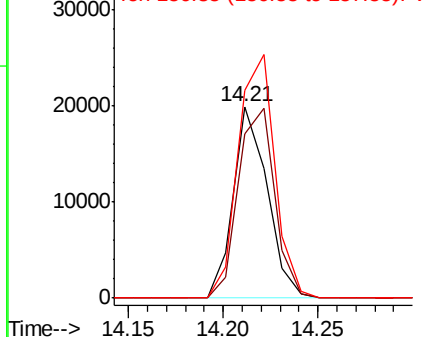
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

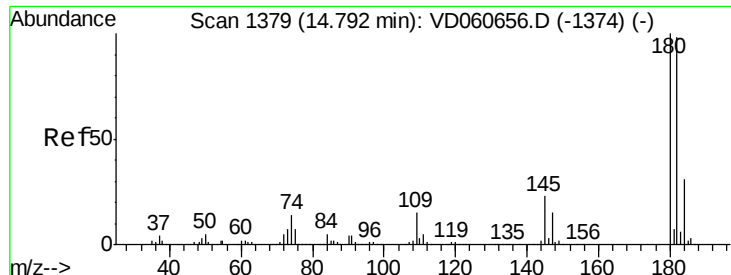


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.303 ug/l
 RT: 14.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.1	123.4
157	108.1	52.5	157.6

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





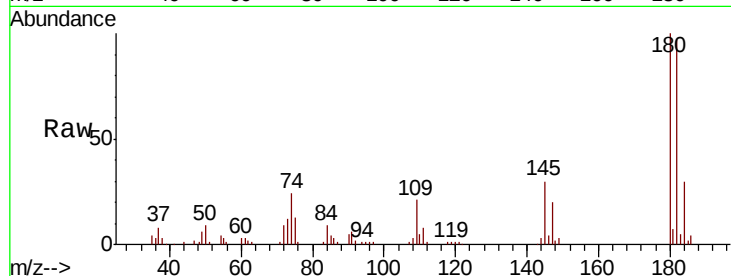
#93
 1,2,4-Trichlorobenzene
 Concen: 24.417 ug/l
 RT: 14.77 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.8	146.4
145	29.6	11.8	35.3

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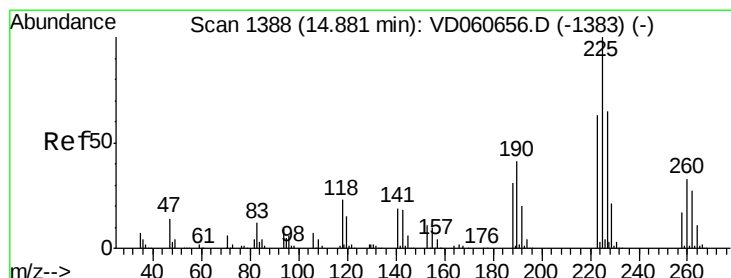
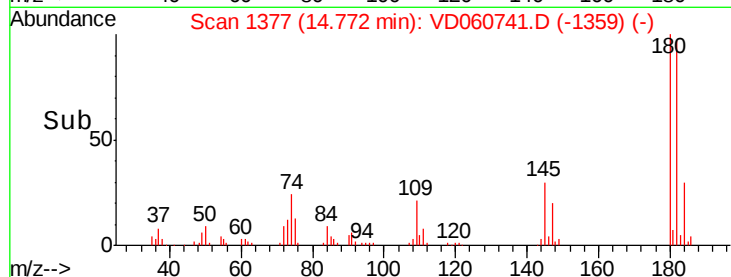
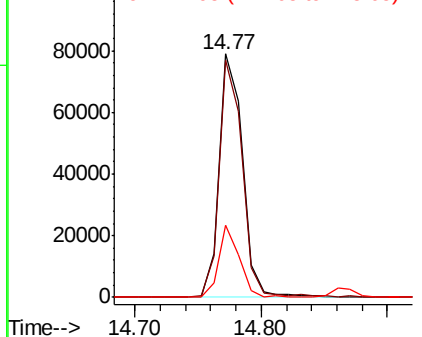


Abundance

Ion 179.85 (179.55 to 180.55): V

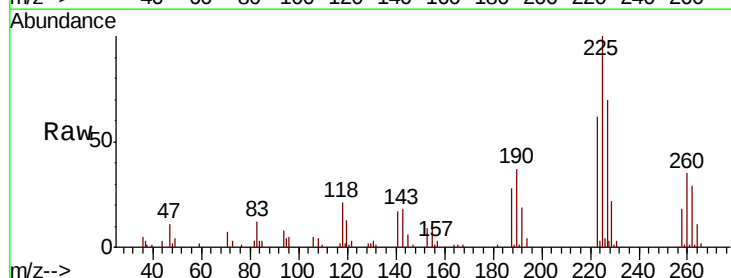
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 18.582 ug/l
 RT: 14.87 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VD060741.D
 Acq: 27 Dec 2018 22:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.3	93.8
227	70.4	32.5	97.4

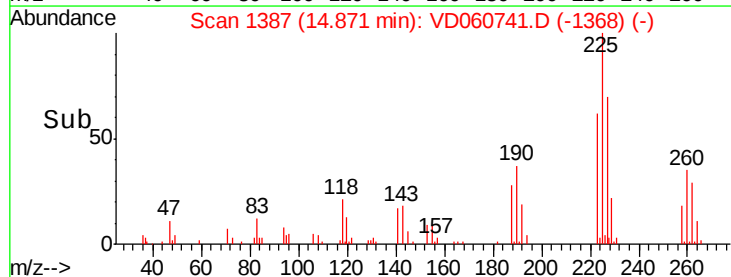
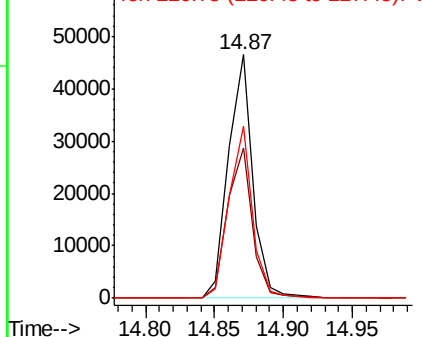


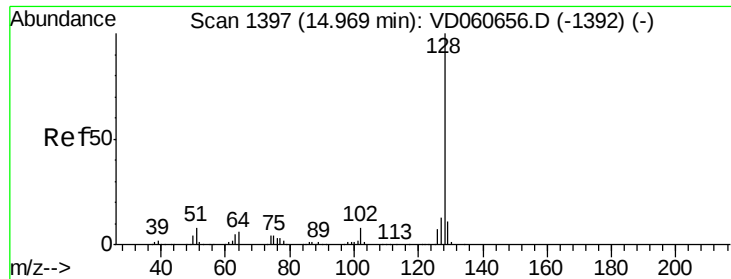
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 39.975 ug/l

RT: 14.96 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Instrument :

MSVOA_D

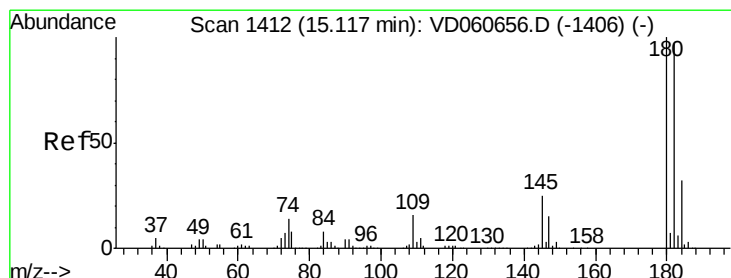
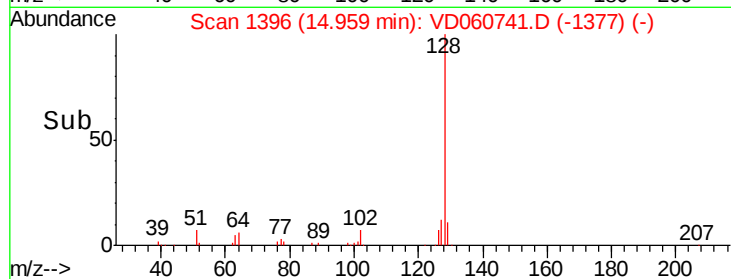
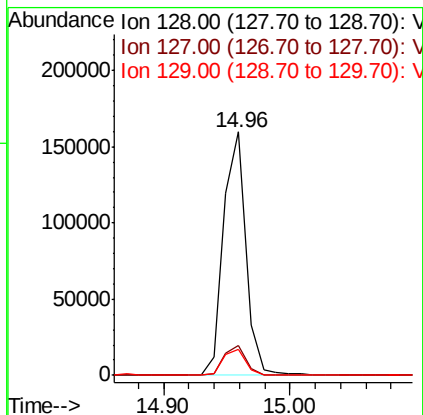
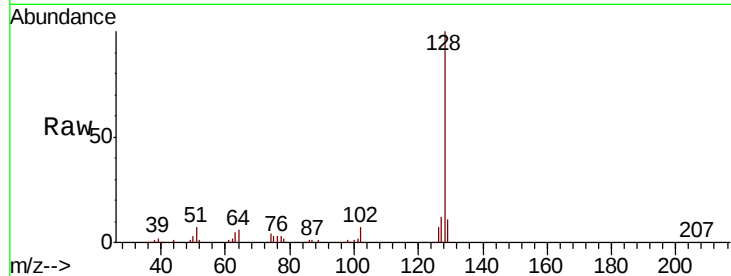
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	128	Resp:	197385
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	10.9	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 23.782 ug/l

RT: 15.11 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD060741.D

Acq: 27 Dec 2018 22:06

Tgt Ion:	180	Resp:	77235
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.6	145.9
145	24.9	12.6	37.8

