

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065661.D
 Acq On : 17 Apr 2020 23:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:05:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	337126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	322182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	104237	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.91	113	105905	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	391302	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.64	95	131452	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88123	46.356	ug/l	98
3) Chloromethane	2.21	50	99566	47.993	ug/l	96
4) Vinyl Chloride	2.35	62	101537	45.051	ug/l	98
5) Bromomethane	2.77	94	62793	51.297	ug/l	97
6) Chloroethane	2.92	64	65861	49.152	ug/l	98
7) Trichlorofluoromethane	3.27	101	140829	43.828	ug/l	100
8) Diethyl Ether	3.70	74	34152	51.745	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94458	64.486	ug/l	98
10) Methyl Iodide	4.30	142	108593	45.398	ug/l	95
11) Tert butyl alcohol	5.24	59	29916	293.488	ug/l	98
12) 1,1-Dichloroethene	4.06	96	91284	69.329	ug/l	94
13) Acrolein	3.92	56	37260	433.526	ug/l	99
14) Allyl chloride	4.71	41	155744	59.333	ug/l	92
15) Acrylonitrile	5.43	53	117195	294.870	ug/l	98
16) Acetone	4.16	43	83323	300.010	ug/l	96
17) Carbon Disulfide	4.40	76	313917	53.634	ug/l	98
18) Methyl Acetate	4.72	43	58529	57.017	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	222724	59.735	ug/l	99
20) Methylene Chloride	4.96	84	112143	61.591	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	111209	52.270	ug/l	94
22) Diisopropyl ether	6.37	45	339291	55.833	ug/l	98
23) Vinyl Acetate	6.31	43	943336	263.940	ug/l	99
24) 1,1-Dichloroethane	6.27	63	193104	50.296	ug/l	100
25) 2-Butanone	7.22	43	136822	264.027	ug/l	95
26) 2,2-Dichloropropane	7.21	77	144486	43.177	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123006	52.115	ug/l	98
28) Bromochloromethane	7.55	49	79296	51.713	ug/l	99
29) Tetrahydrofuran	7.57	42	95545	290.582	ug/l	98
30) Chloroform	7.71	83	198258	50.455	ug/l	98
31) Cyclohexane	7.98	56	164147	44.882	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	167260	47.342	ug/l	100
36) 1,1-Dichloropropene	8.11	75	147979	45.459	ug/l	100
37) Ethyl Acetate	7.30	43	67748	52.187	ug/l	100
38) Carbon Tetrachloride	8.10	117	154775	44.388	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168384	44.451	ug/l	98
40) Benzene	8.36	78	447026	47.763	ug/l	100
41) Methacrylonitrile	7.57	41	92014	143.110	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	127250	49.610	ug/l	99
43) Isopropyl Acetate	8.46	43	123156	52.683	ug/l	99
44) Trichloroethene	9.11	130	120387	45.951	ug/l	93
45) 1,2-Dichloropropane	9.39	63	113293	49.323	ug/l	99
46) Dibromomethane	9.48	93	59217	49.853	ug/l	99
47) Bromodichloromethane	9.67	83	155154	49.052	ug/l	98
48) Methyl methacrylate	9.46	41	59188	47.424	ug/l	92
49) 1,4-Dioxane	9.47	88	14274	987.860	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	325374	249.317	ug/l	99
52) Toluene	10.41	92	286991	49.741	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	143760	49.499	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	174224	49.566	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	83673	49.802	ug/l	99
56) Ethyl methacrylate	10.67	69	100599	47.981	ug/l	98
57) 1,3-Dichloropropane	10.95	76	142159	49.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	260618	257.843	ug/l	100
59) 2-Hexanone	10.99	43	214917	240.145	ug/l	98
60) Dibromochloromethane	11.14	129	109925	49.677	ug/l	100
61) 1,2-Dibromoethane	11.25	107	74552	46.116	ug/l	99
64) Tetrachloroethene	10.88	164	103963	44.972	ug/l	97
65) Chlorobenzene	11.68	112	304984	47.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	116846	47.909	ug/l	99
67) Ethyl Benzene	11.75	91	522750	47.952	ug/l	99
68) m/p-Xylenes	11.86	106	411572	97.722	ug/l	98
69) o-Xylene	12.18	106	186849	50.563	ug/l	99
70) Styrene	12.20	104	339841	51.955	ug/l	100
71) Bromoform	12.37	173	66661	48.652	ug/l #	98
73) Isopropylbenzene	12.48	105	488827	48.938	ug/l	100
74) N-amyl acetate	12.30	43	111340	47.705	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86882	47.903	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	114186	85.751	ug/l #	100
77) Bromobenzene	12.77	156	129542	48.837	ug/l	99
78) n-propylbenzene	12.83	91	581209	48.099	ug/l	100
79) 2-Chlorotoluene	12.91	91	337056	49.118	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	414702	49.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29203	48.064	ug/l	97
82) 4-Chlorotoluene	13.01	91	356419	48.267	ug/l	99
83) tert-Butylbenzene	13.23	119	335427	47.459	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	419823	49.957	ug/l	100
85) sec-Butylbenzene	13.41	105	470823	46.563	ug/l	100
86) p-Isopropyltoluene	13.53	119	451113	47.537	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	247118	47.582	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	241745	46.765	ug/l	98
89) n-Butylbenzene	13.86	91	402904	46.779	ug/l	100
90) Hexachloroethane	14.12	117	89264	44.853	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	214439	48.155	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13730	50.057	ug/l	97

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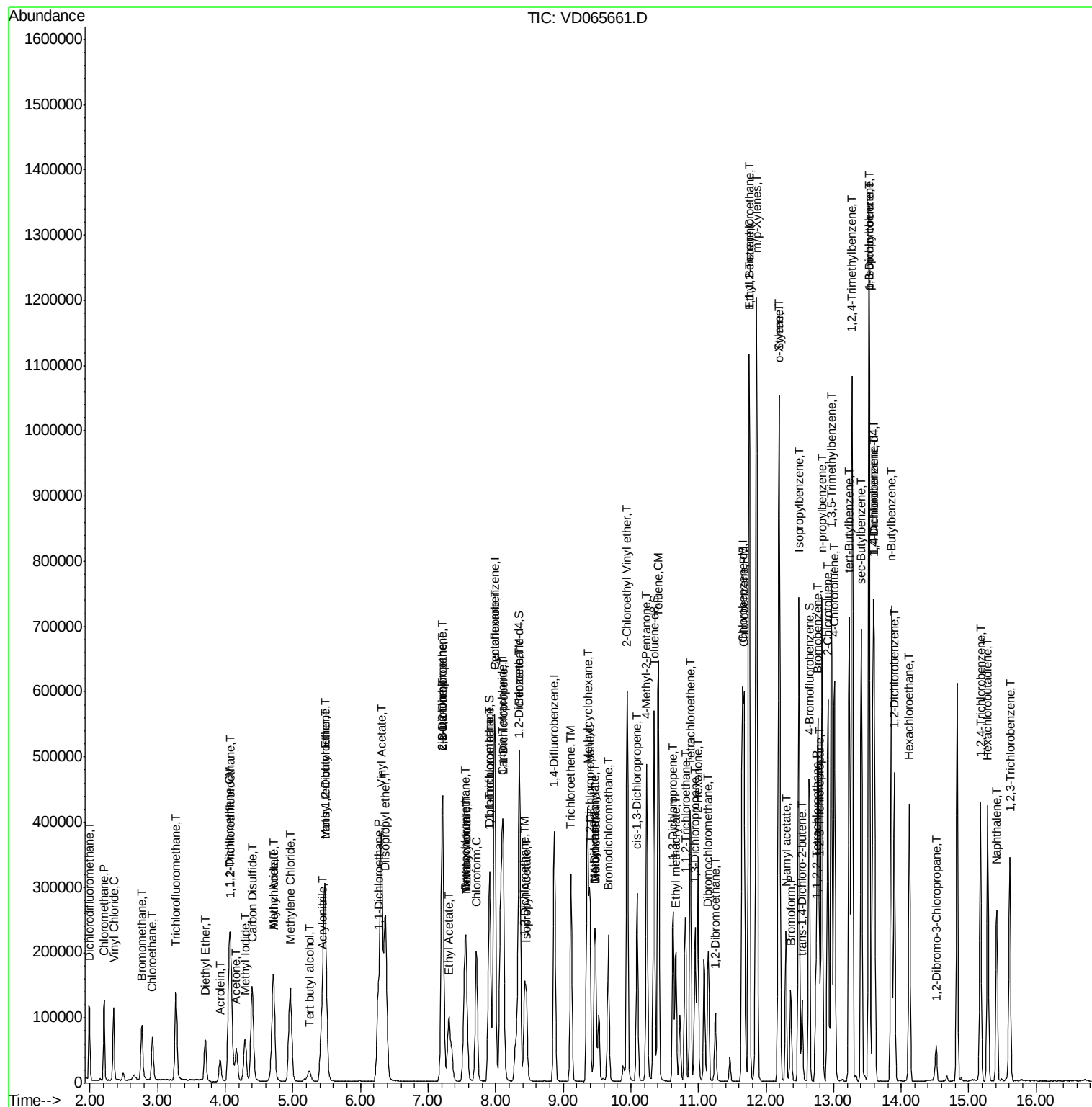
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150224	49.046	ug/l	98
94) Hexachlorobutadiene	15.28	225	90626	43.153	ug/l	98
95) Naphthalene	15.41	128	238452	45.806	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	132175	48.913	ug/l	99

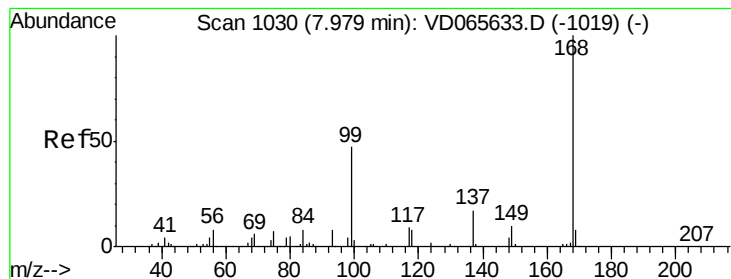
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

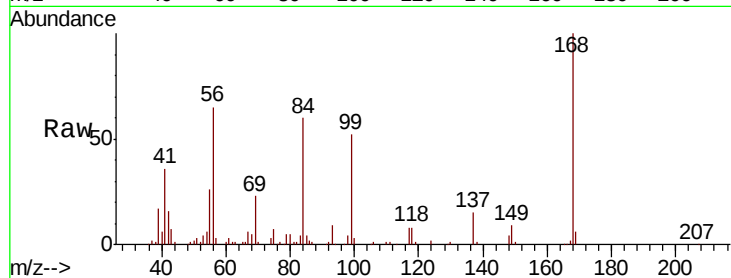
ClientSampleId :

Tot Ion:168 Resp: 228286

Ion Ratio Lower Upper

168 100

99 51.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

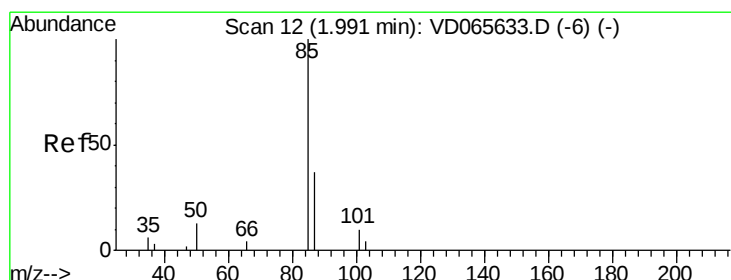
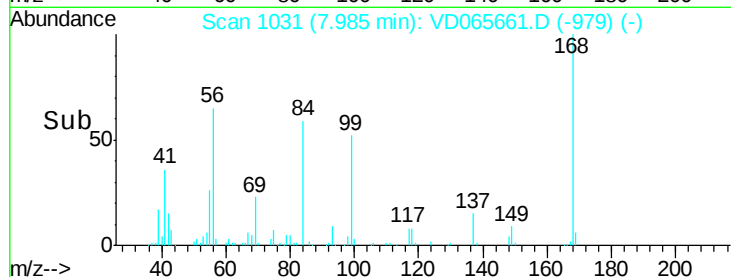
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.356 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065661.D

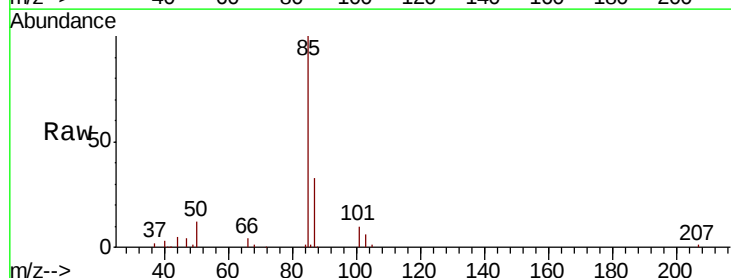
Acq: 17 Apr 2020 23:07

Tgt Ion: 85 Resp: 88123

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

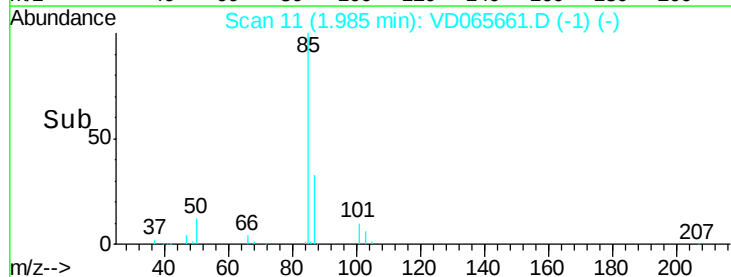
40000

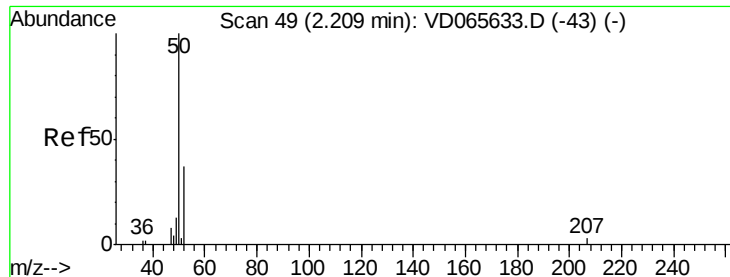
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.993 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

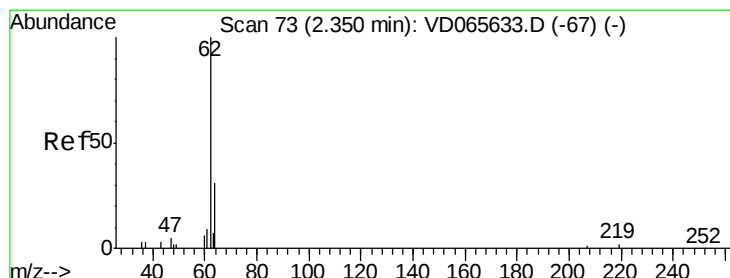
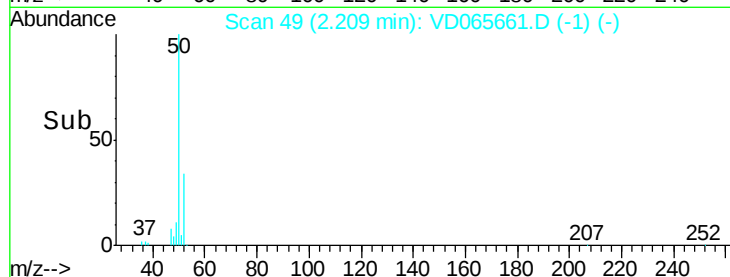
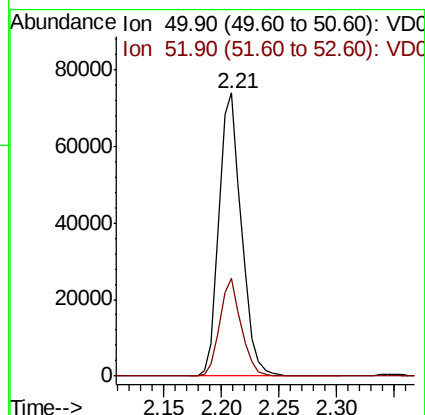
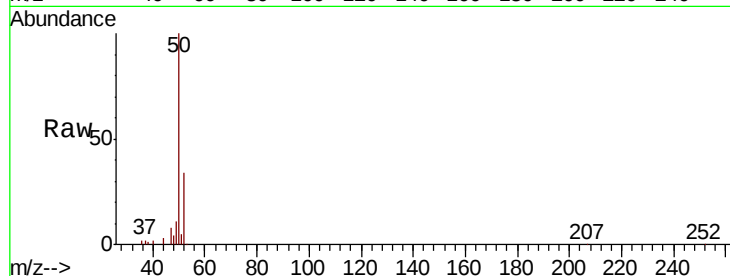
ClientSampleId :

Tot Ion: 50 Resp: 99566

Ion Ratio Lower Upper

50 100

52 34.4 25.7 38.5



#4

Vinyl Chloride

Concen: 45.051 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065661.D

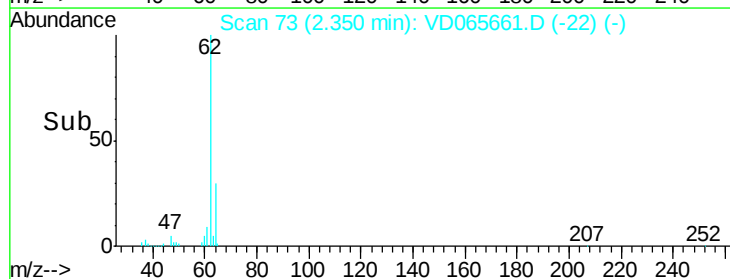
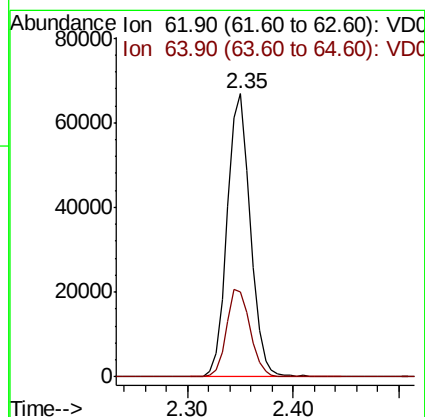
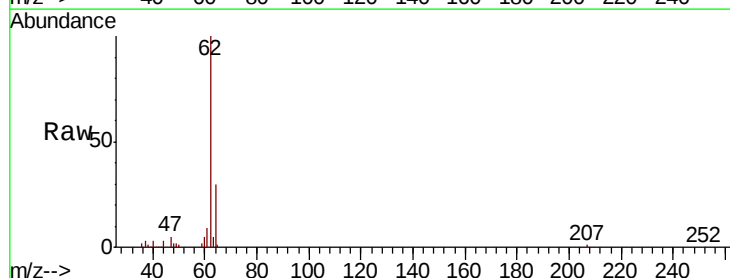
Acq: 17 Apr 2020 23:07

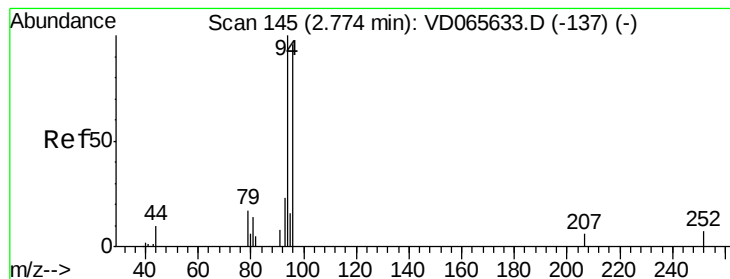
Tgt Ion: 62 Resp: 101537

Ion Ratio Lower Upper

62 100

64 30.1 25.1 37.7





#5

Bromomethane

Concen: 51.297 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

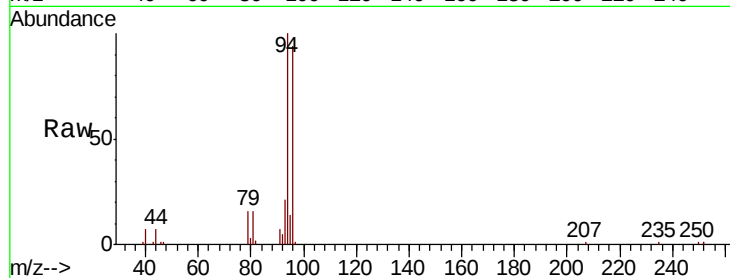
ClientSampleId :

Tot Ion: 94 Resp: 62793

Ion Ratio Lower Upper

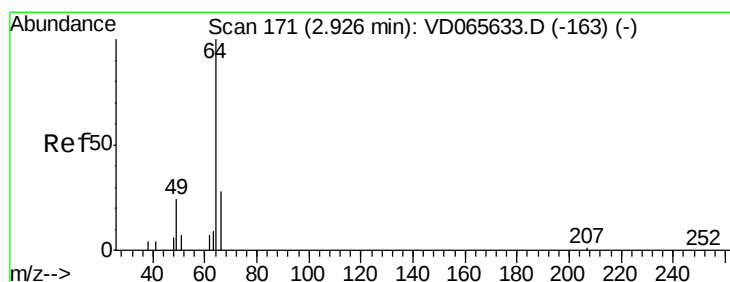
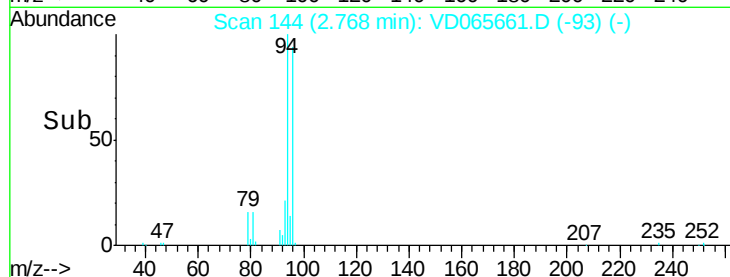
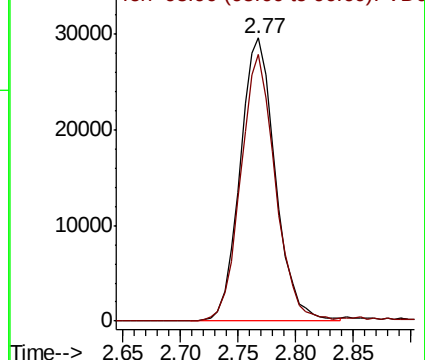
94 100

96 94.3 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.152 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065661.D

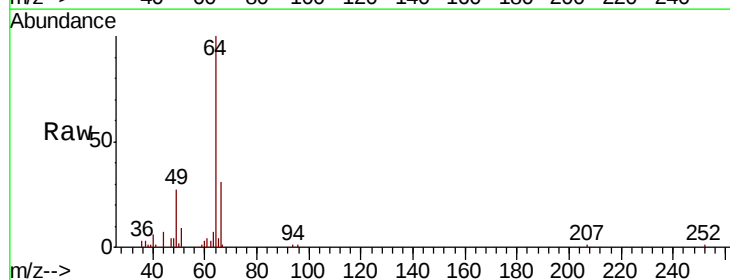
Acq: 17 Apr 2020 23:07

Tgt Ion: 64 Resp: 65861

Ion Ratio Lower Upper

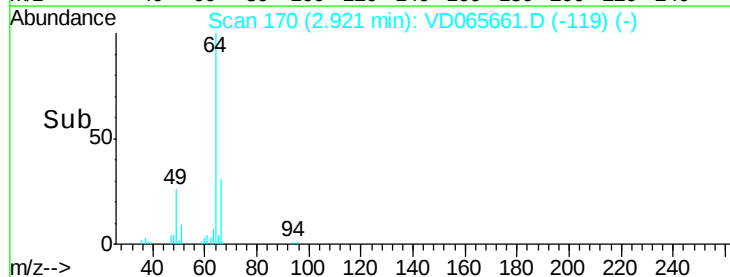
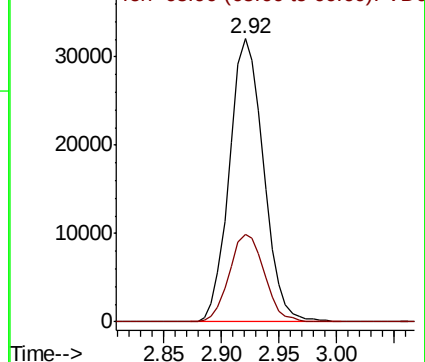
64 100

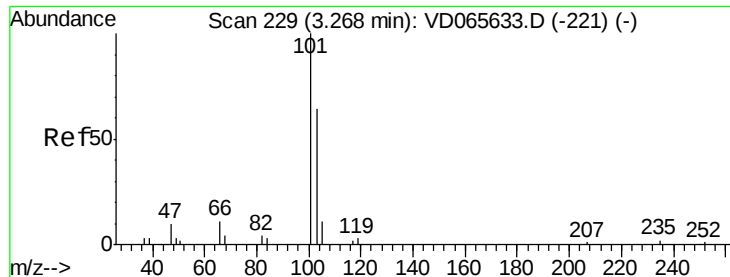
66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



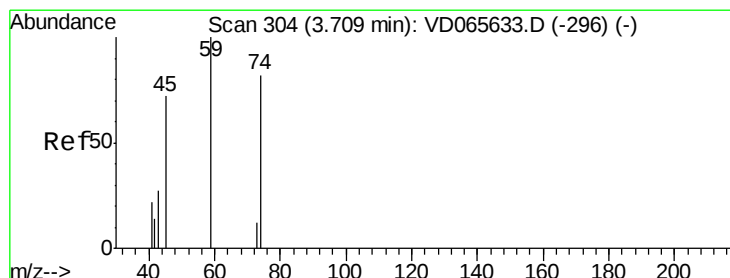
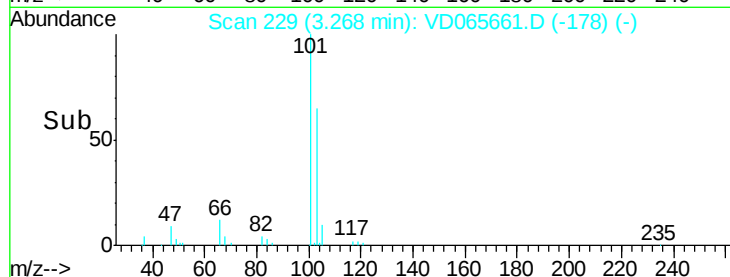
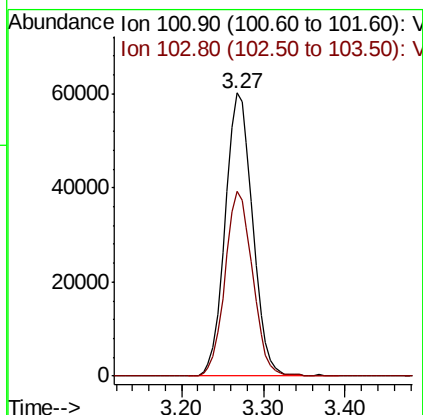
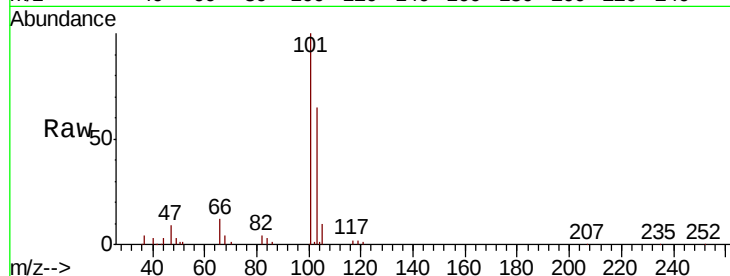


#7

Trichlorofluoromethane
 Concen: 43.828 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Instrument :
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 ClientSampleId :

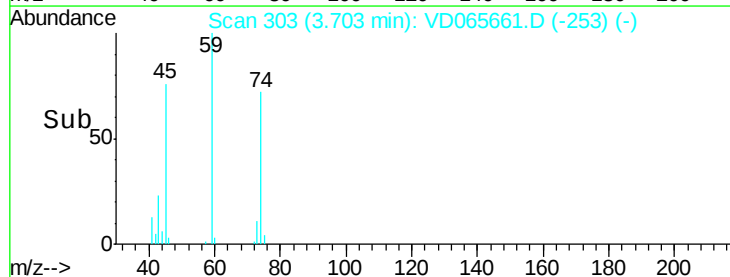
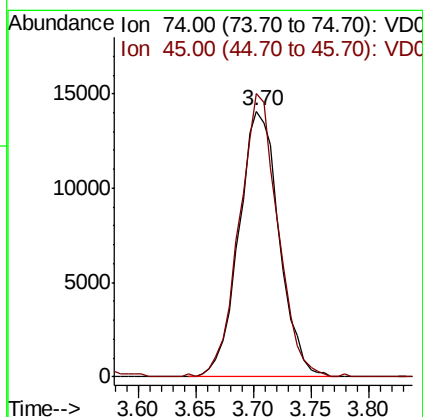
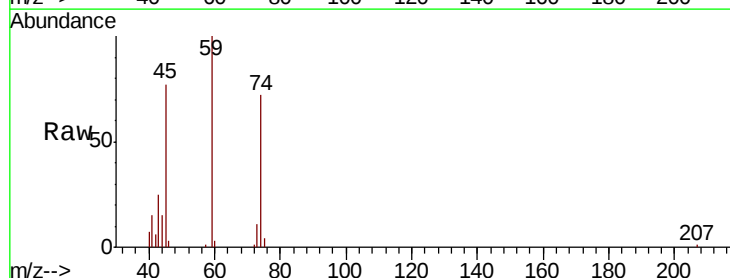
Tot Ion:101 Resp: 140829
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4

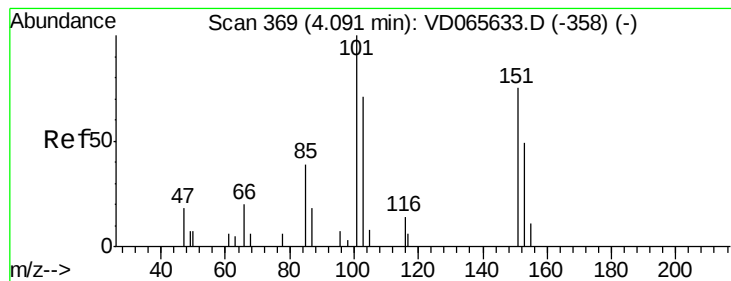


#8

Diethyl Ether
 Concen: 51.745 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 74 Resp: 34152
 Ion Ratio Lower Upper
 74 100
 45 102.2 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.486 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

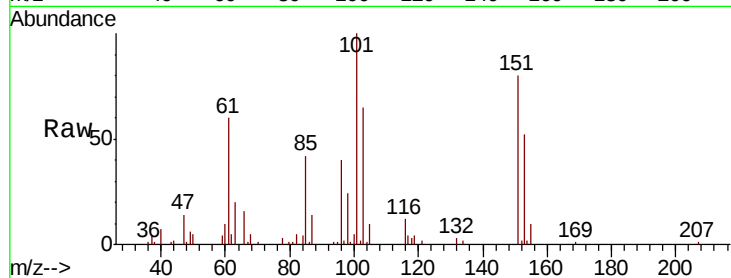
Tot Ion:101 Resp: 94458

Ion Ratio Lower Upper

101 100

85 42.5 36.2 54.2

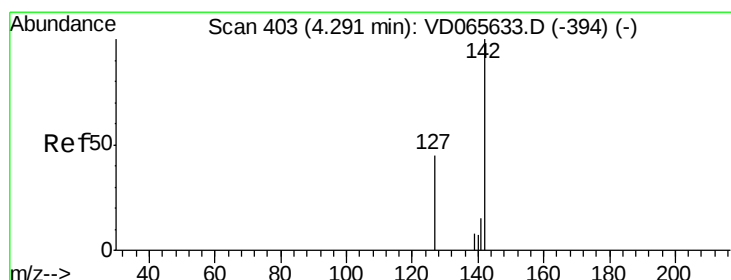
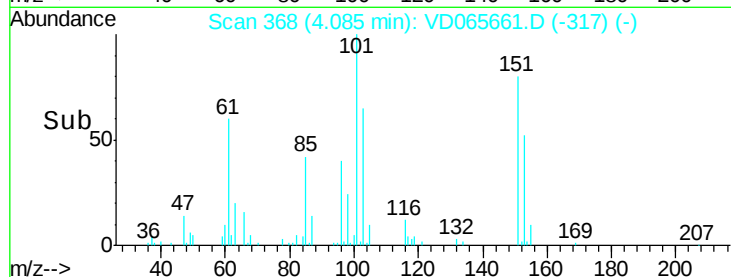
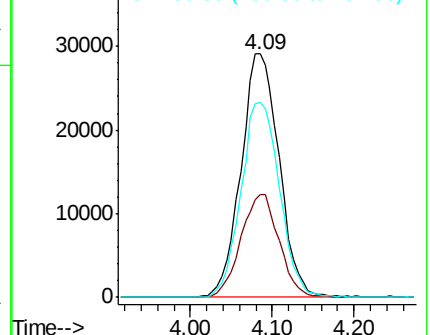
151 81.0 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.398 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

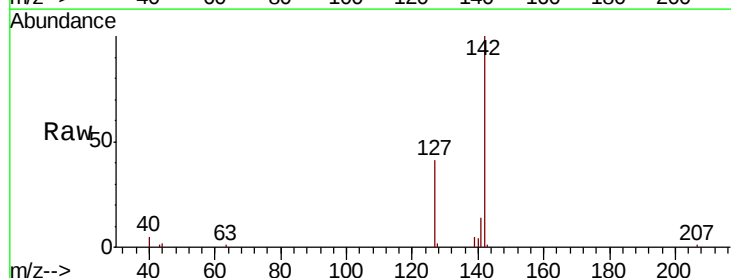
Tgt Ion:142 Resp: 108593

Ion Ratio Lower Upper

142 100

127 43.7 38.1 57.1

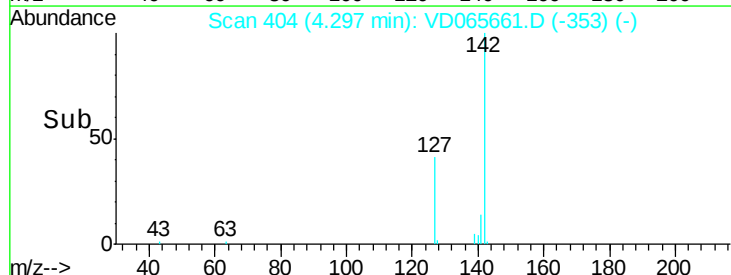
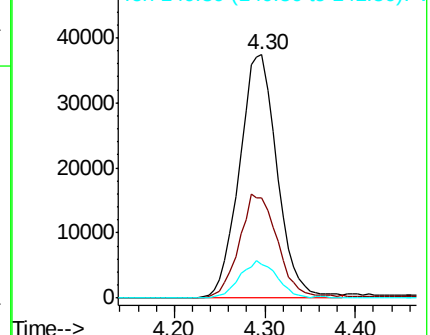
141 14.8 12.1 18.1

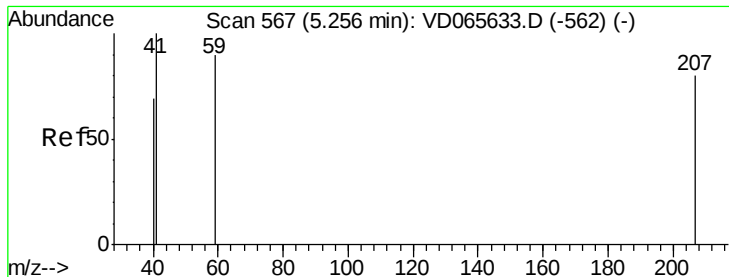


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

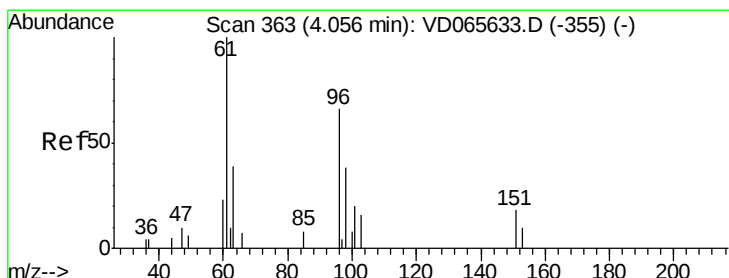
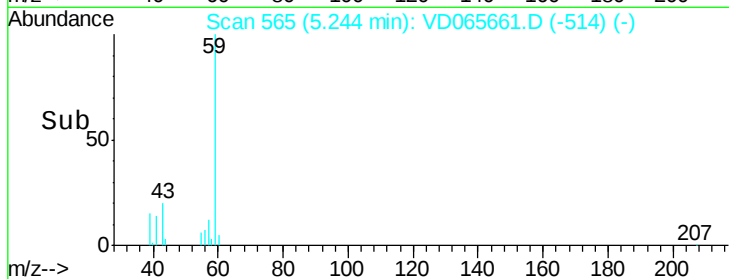
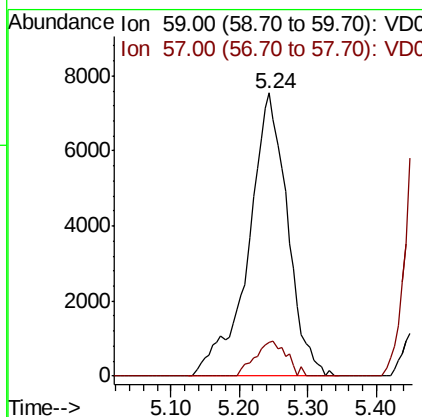
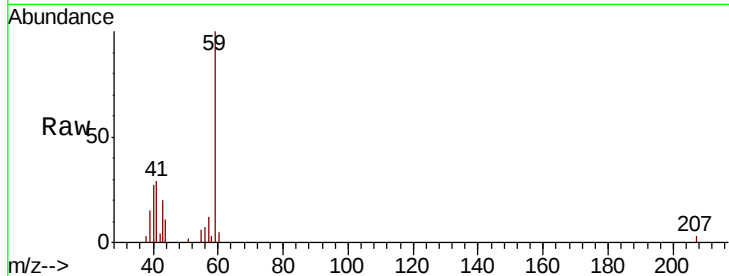




#11
Tert butyl alcohol
Concen: 293.488 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

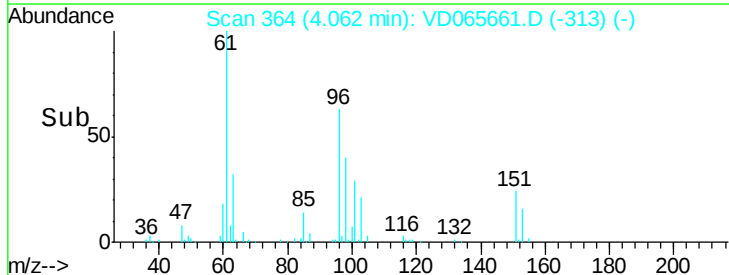
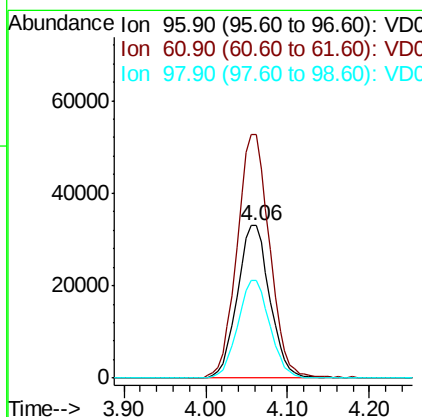
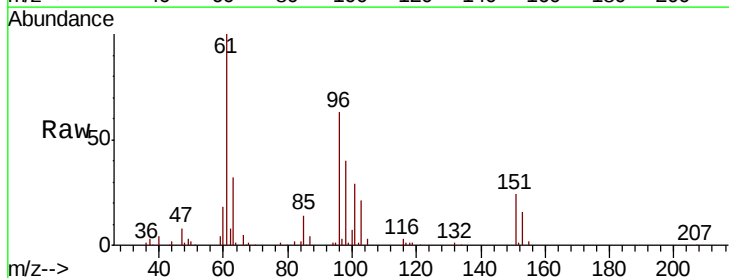
Instrument :
MSVOA_D
ClientSampleId :

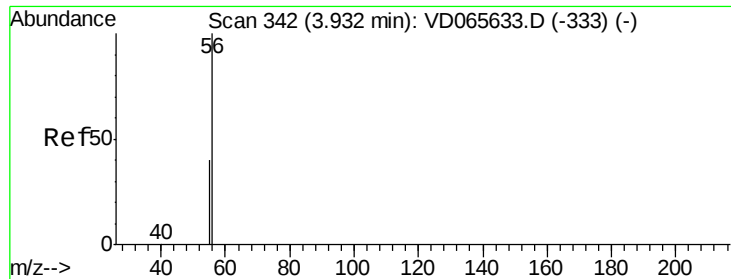
Tot Ion: 59 Resp: 29916
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2



#12
1,1-Dichloroethene
Concen: 69.329 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 96 Resp: 91284
Ion Ratio Lower Upper
96 100
61 159.6 136.2 204.2
98 63.7 52.2 78.2





#13

Acrolein

Concen: 433.526 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

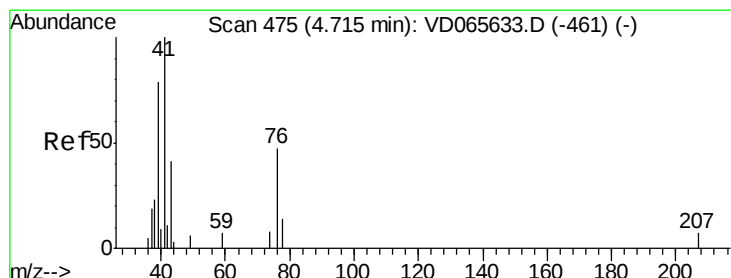
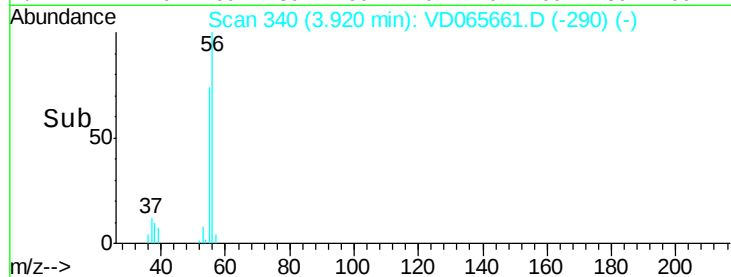
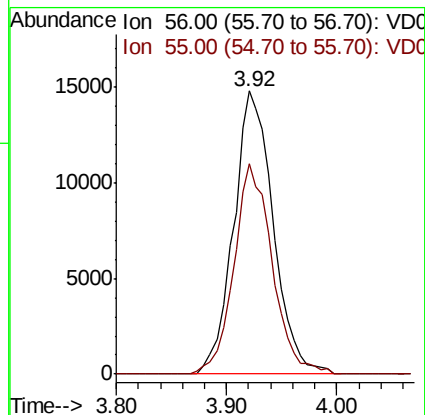
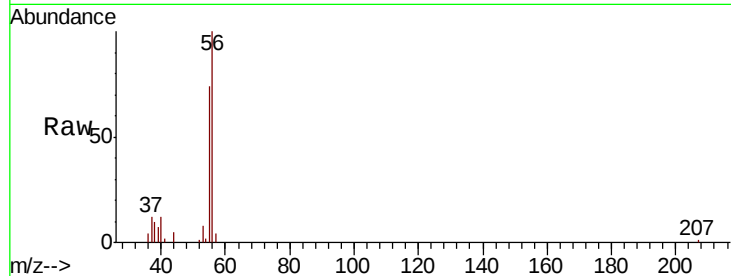
ClientSampleId :

Tot Ion: 56 Resp: 37260

Ion Ratio Lower Upper

56 100

55 71.7 58.2 87.2



#14

Allyl chloride

Concen: 59.333 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

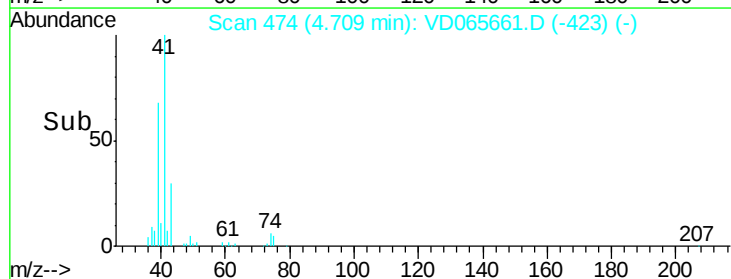
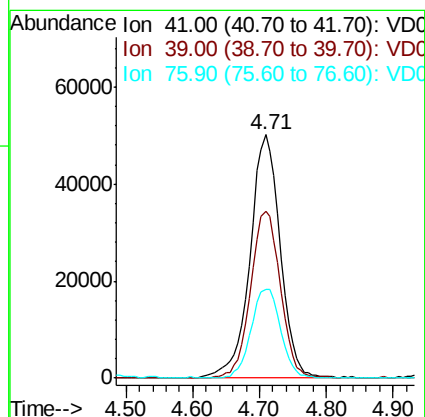
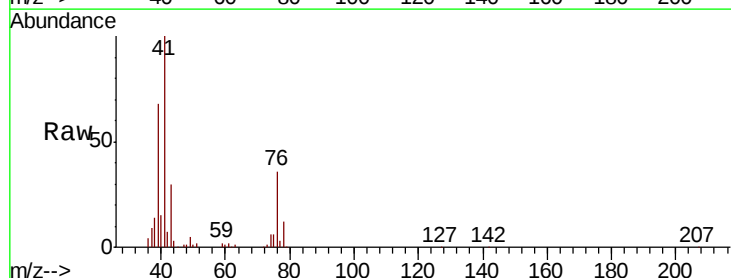
Tgt Ion: 41 Resp: 155744

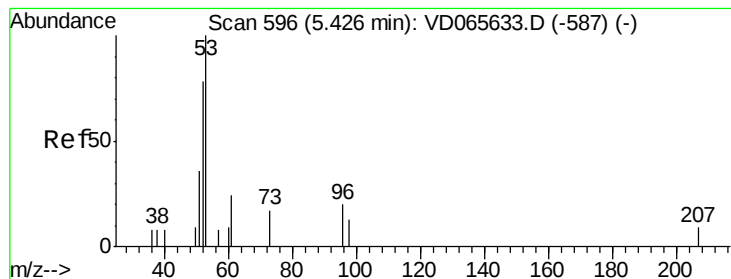
Ion Ratio Lower Upper

41 100

39 67.7 62.5 93.7

76 36.0 29.1 43.7





#15

Acrylonitrile

Concen: 294.870 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampled :

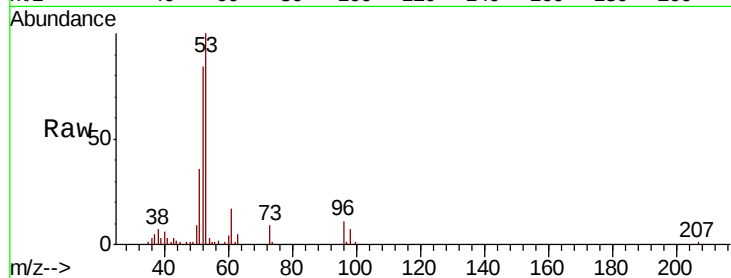
Tot Ion: 53 Resp: 117195

Ion Ratio Lower Upper

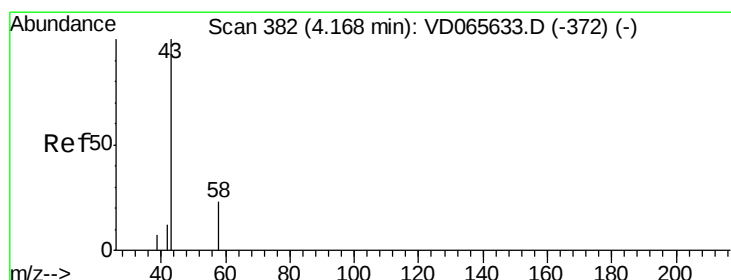
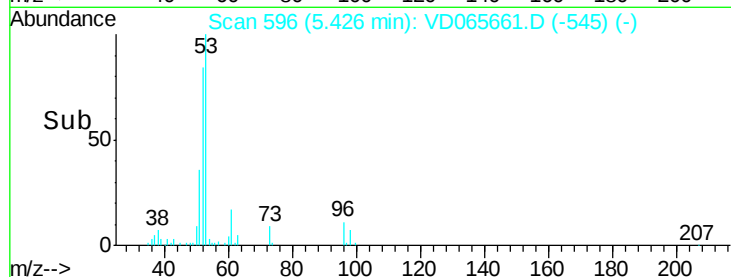
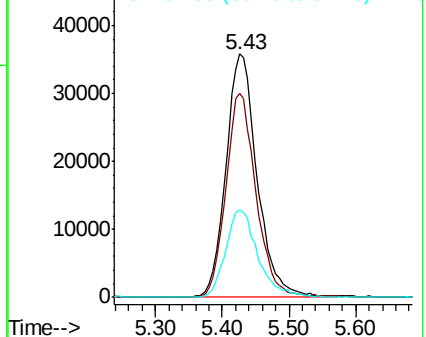
53 100

52 80.6 65.8 98.6

51 37.2 30.9 46.3



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: 300.010 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065661.D

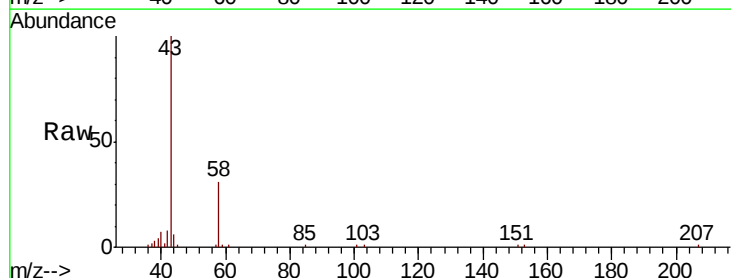
Acq: 17 Apr 2020 23:07

Tgt Ion: 43 Resp: 83323

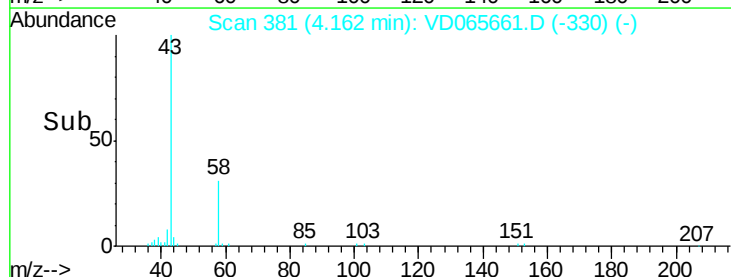
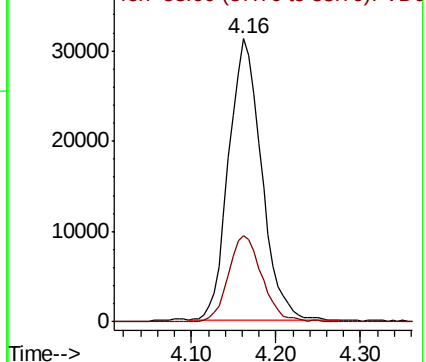
Ion Ratio Lower Upper

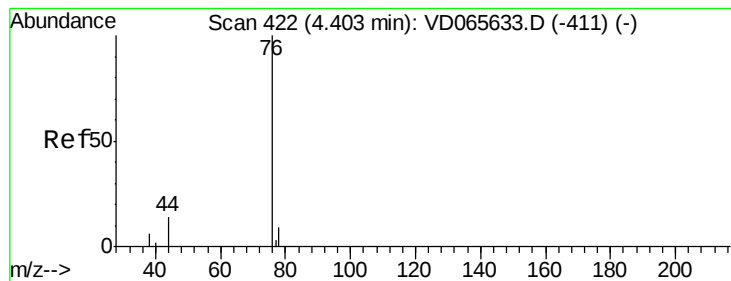
43 100

58 30.9 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 53.634 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

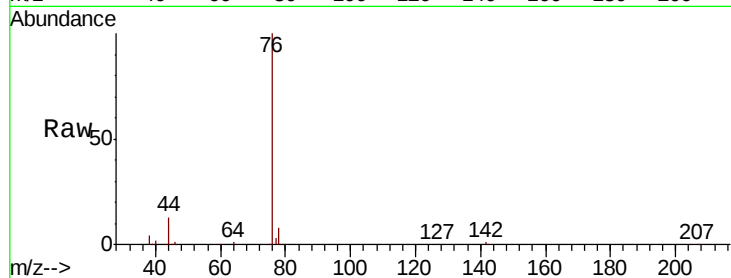
ClientSampleId :

Tot Ion: 76 Resp: 313917

Ion Ratio Lower Upper

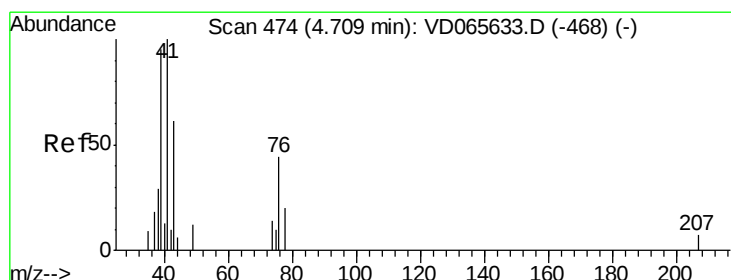
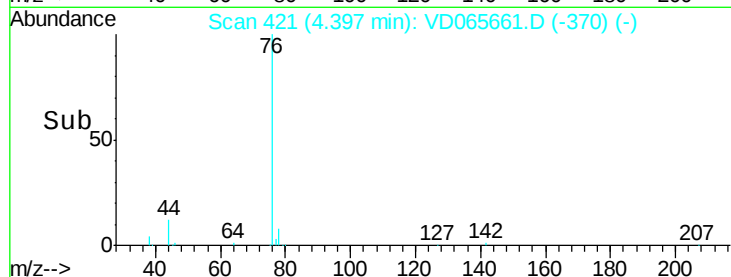
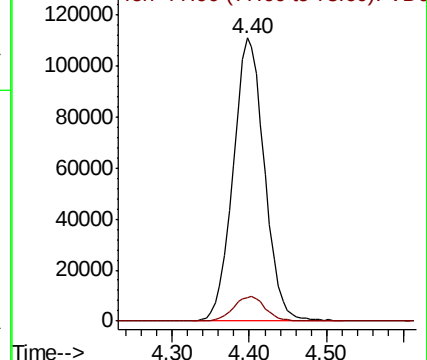
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 57.017 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065661.D

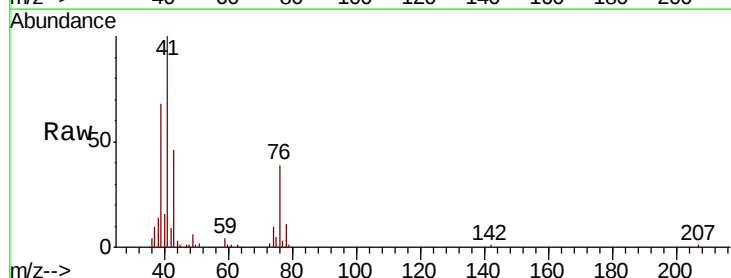
Acq: 17 Apr 2020 23:07

Tgt Ion: 43 Resp: 58529

Ion Ratio Lower Upper

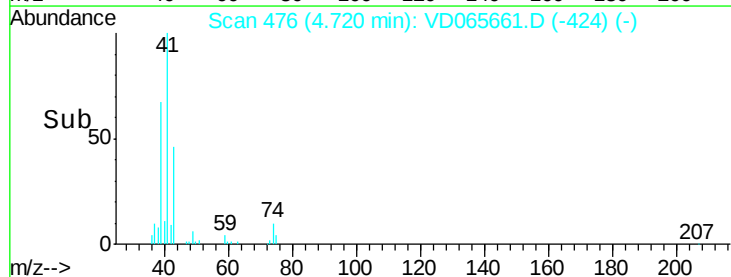
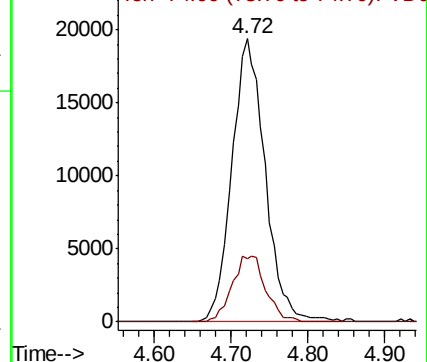
43 100

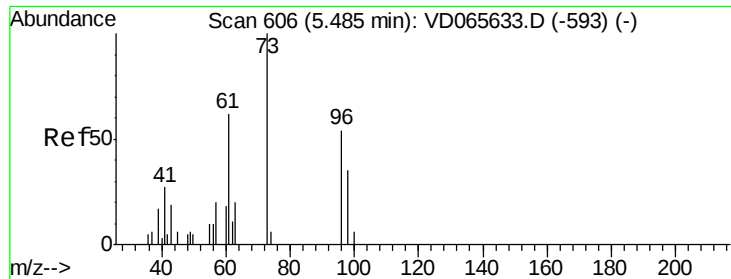
74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



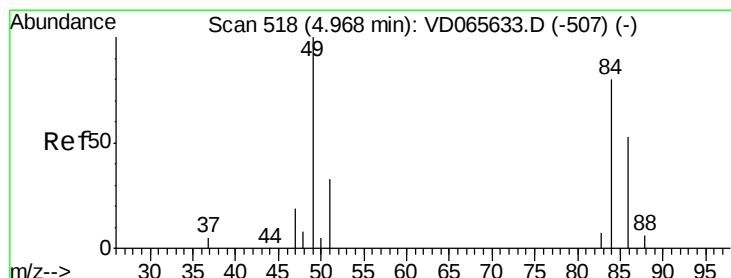
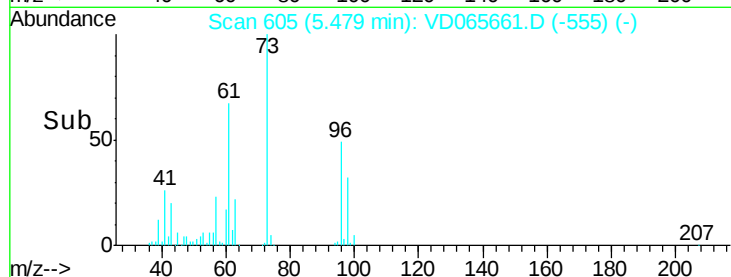
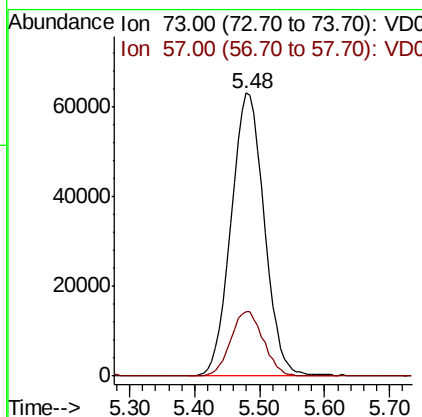
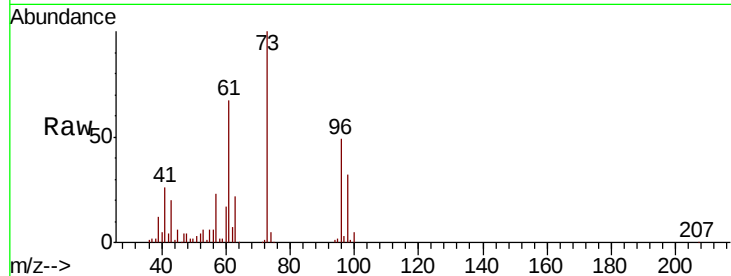


#19

Methyl tert-butyl Ether
 Concen: 59.735 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Instrument :
 MSVOA_D
 ClientSampleID :

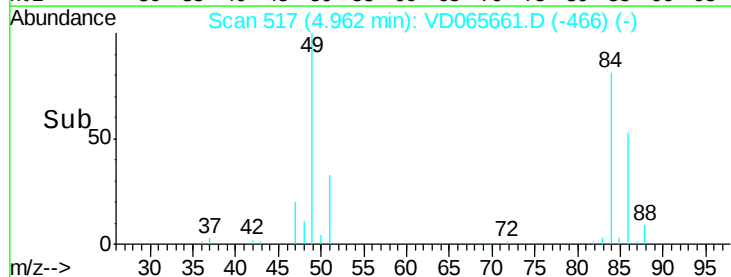
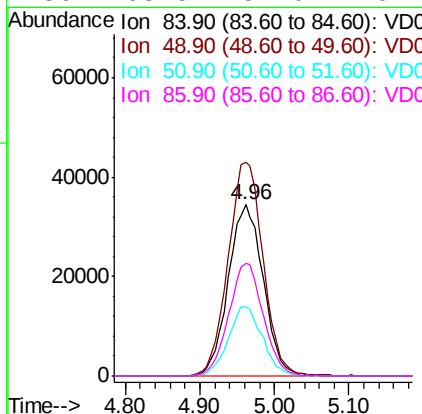
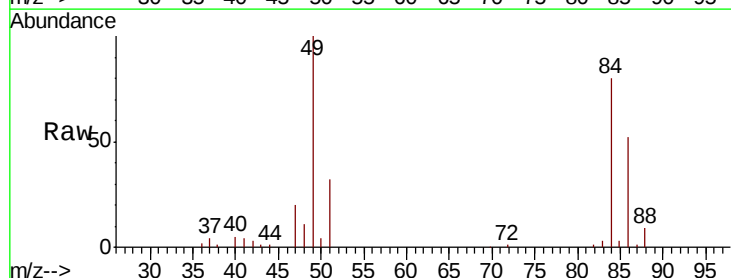
Tot Ion: 73 Resp: 222724
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.8 26.8

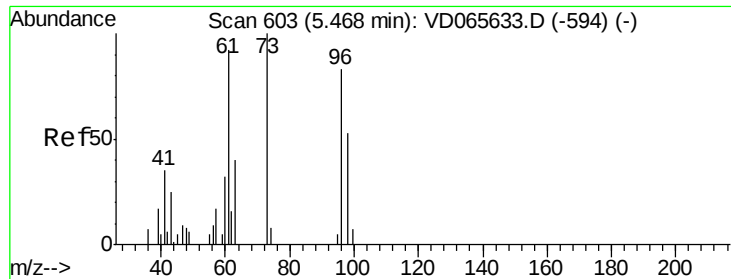


#20

Methylene Chloride
 Concen: 61.591 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 84 Resp: 112143
 Ion Ratio Lower Upper
 84 100
 49 124.8 102.0 153.0
 51 40.5 30.8 46.2
 86 65.5 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 52.270 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

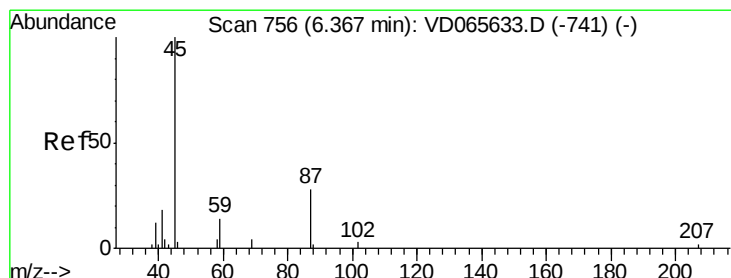
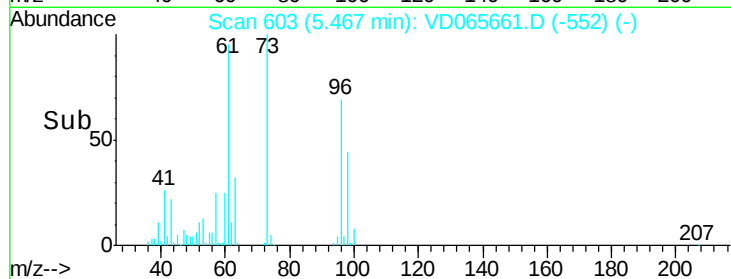
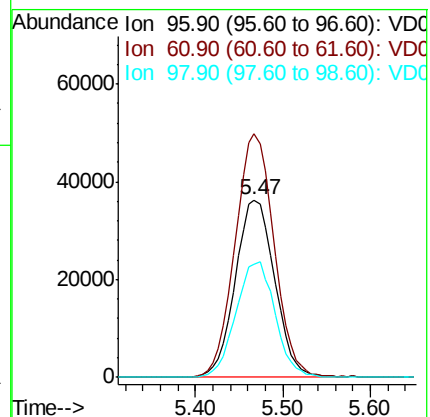
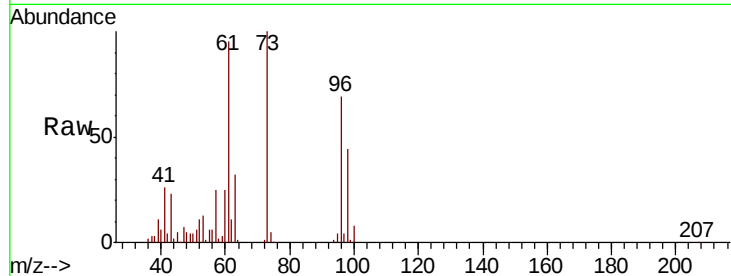
Tot Ion: 96 Resp: 111209

Ion Ratio Lower Upper

96 100

61 137.3 102.6 153.8

98 63.6 49.4 74.0



#22

Diisopropyl ether

Concen: 55.833 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Tgt Ion: 45 Resp: 339291

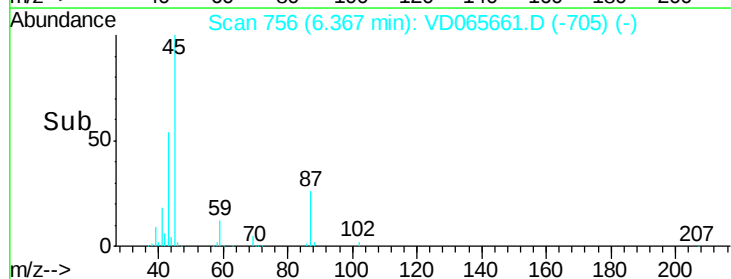
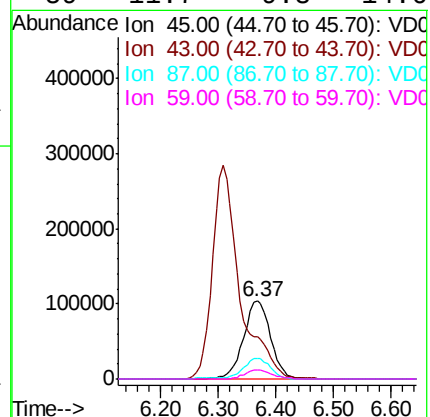
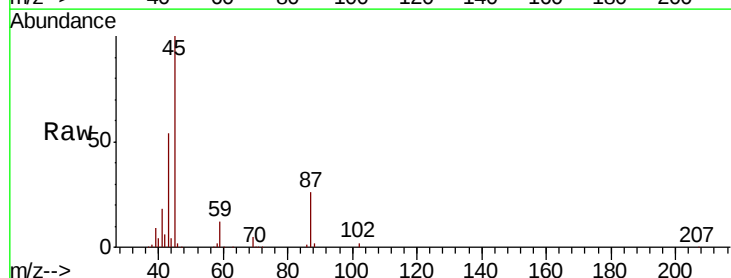
Ion Ratio Lower Upper

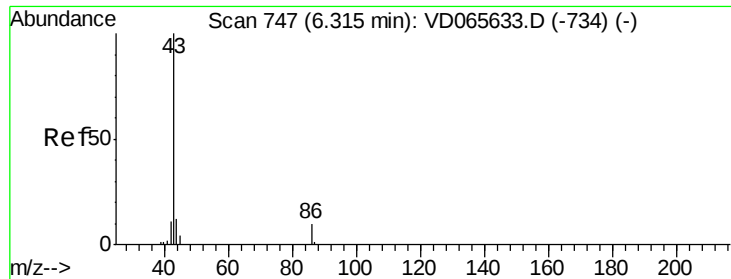
45 100

43 53.3 42.2 63.2

87 26.0 22.1 33.1

59 11.7 9.8 14.6





#23

Vinyl Acetate

Concen: 263.940 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

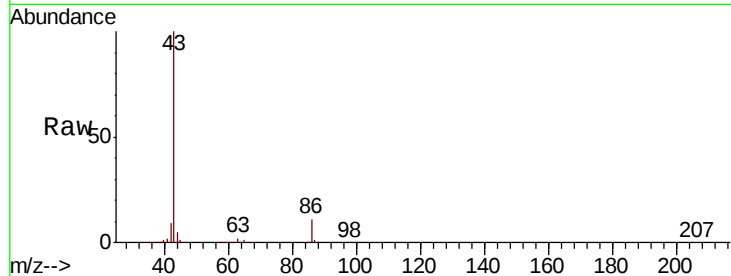
ClientSampleId :

Tot Ion: 43 Resp: 943336

Ion Ratio Lower Upper

43 100

86 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

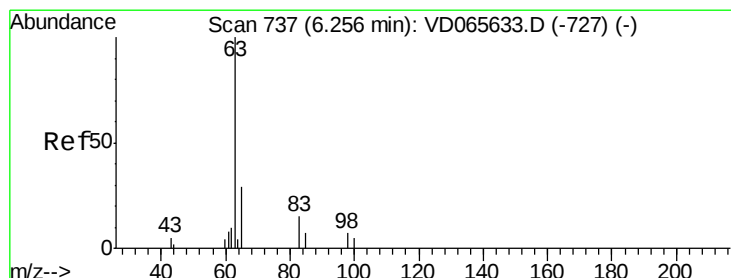
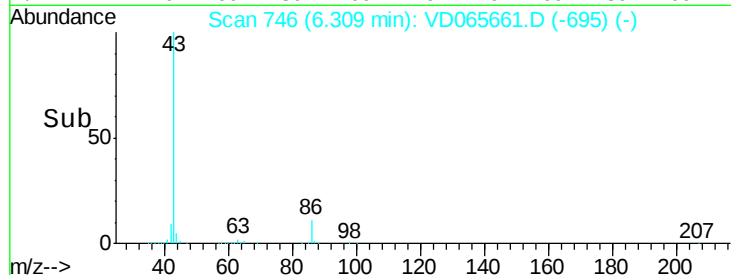
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.296 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

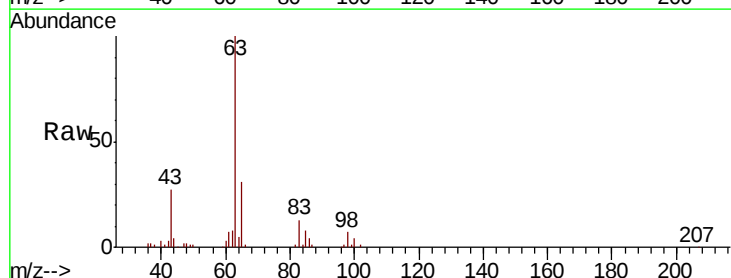
Tgt Ion: 63 Resp: 193104

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

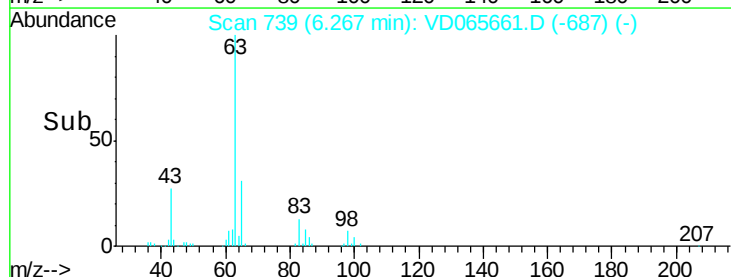
60000

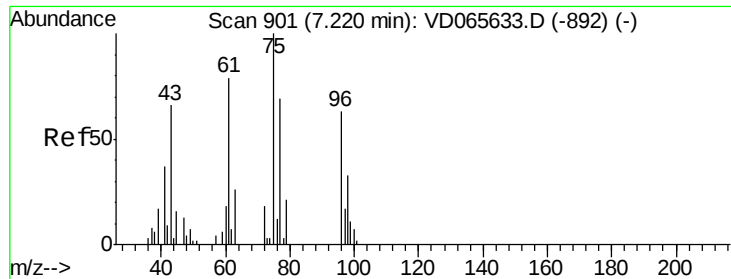
40000

20000

0

Time-->





#25

2-Butanone

Concen: 264.027 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

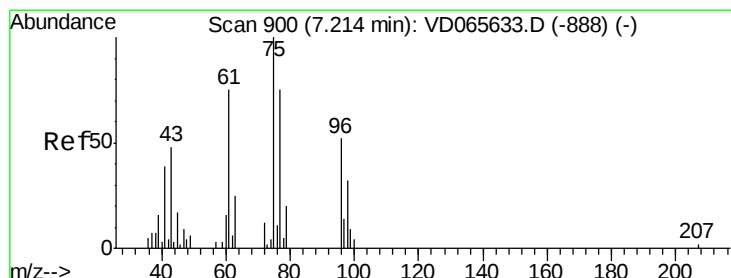
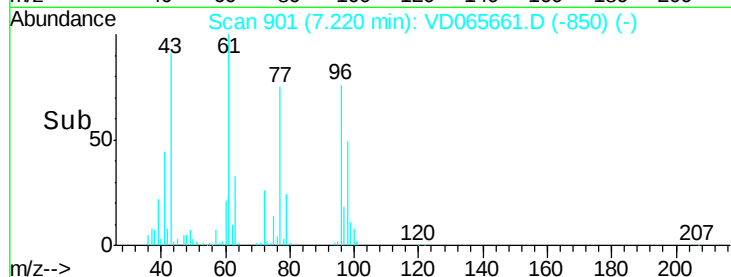
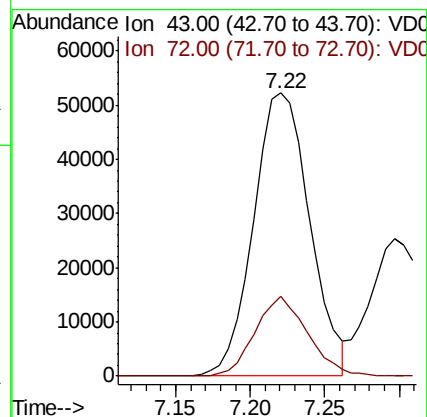
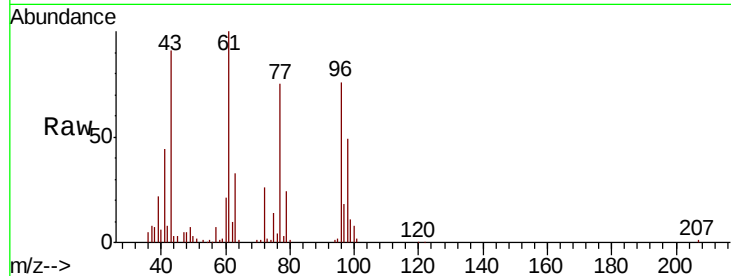
ClientSampled :

Tot Ion: 43 Resp: 136822

Ion Ratio Lower Upper

43 100

72 28.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 43.177 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065661.D

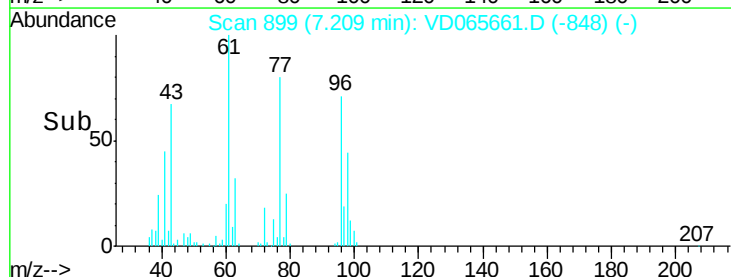
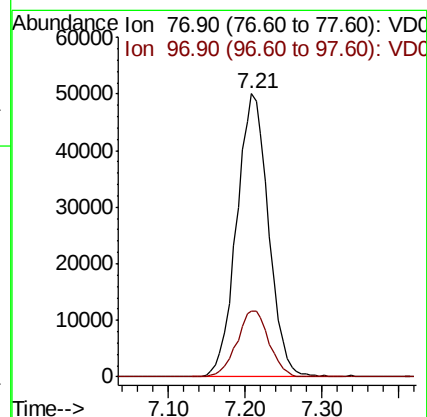
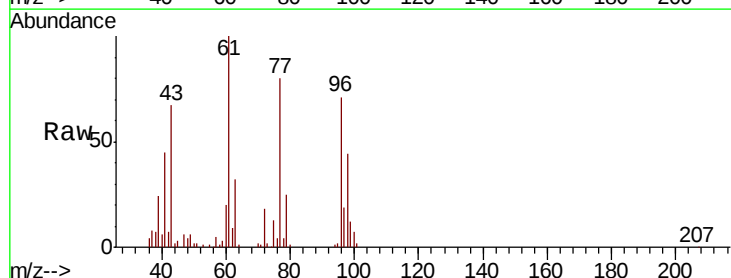
Acq: 17 Apr 2020 23:07

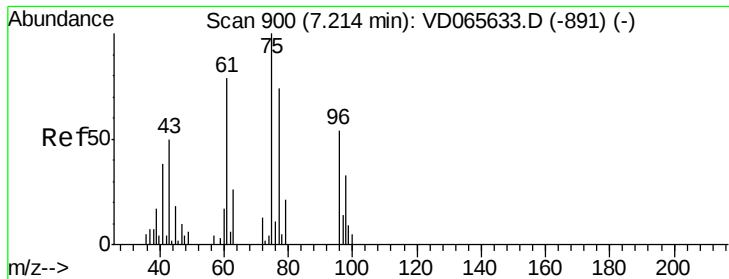
Tgt Ion: 77 Resp: 144486

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5



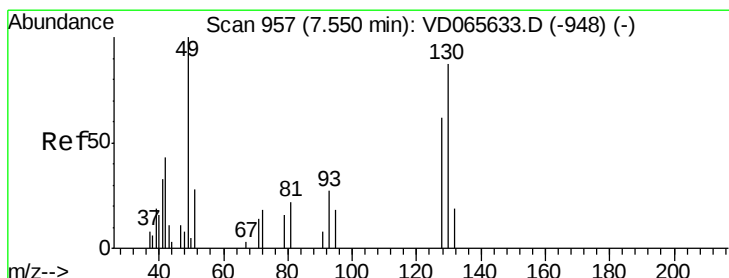
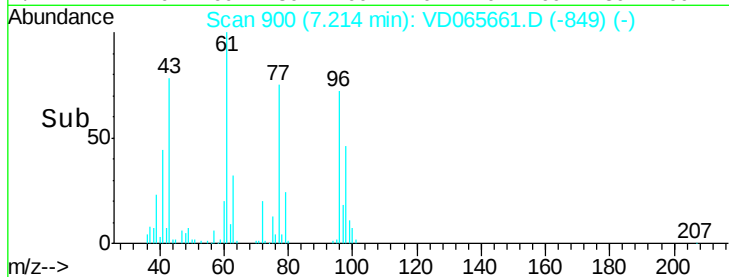
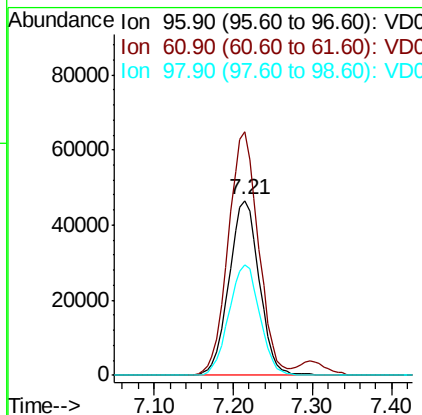
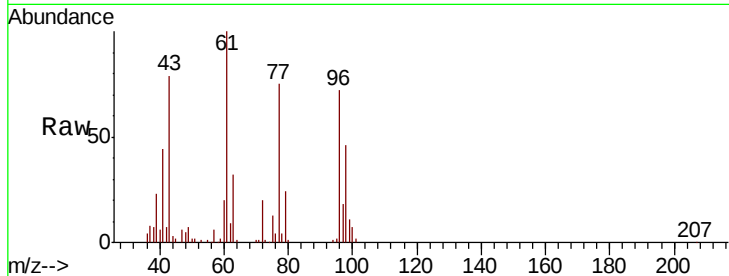


#27

cis-1,2-Dichloroethene
 Concen: 52.115 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Instrument :
 MSVOA_D
 ClientSampleId :

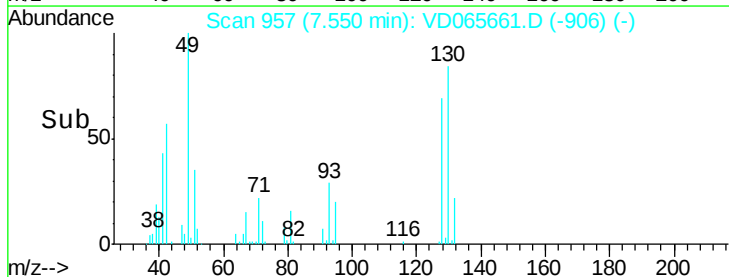
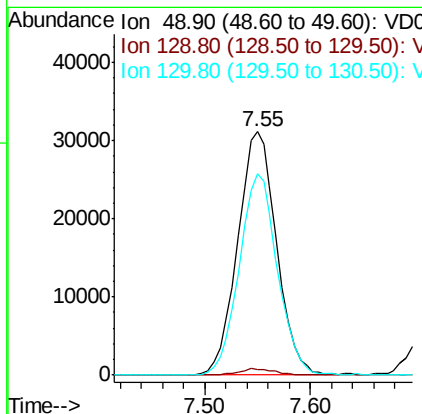
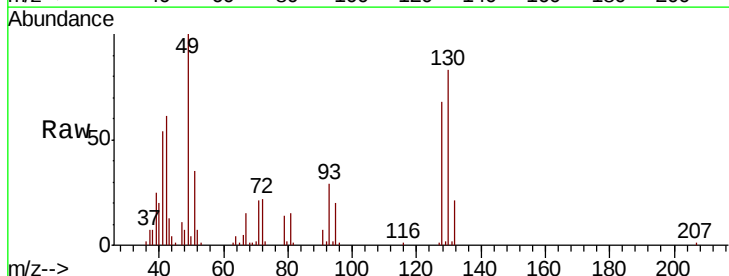
Tot Ion	96	Resp	123006
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	286.2
98	64.3	0.0	128.0

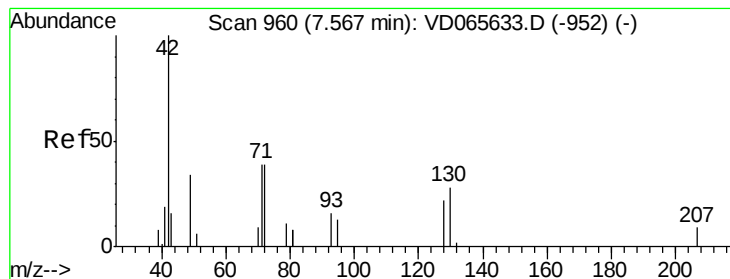


#28

Bromochloromethane
 Concen: 51.713 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion	49	Resp	79296
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	81.5	66.2	99.2





#29

Tetrahydrofuran

Concen: 290.582 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampled :

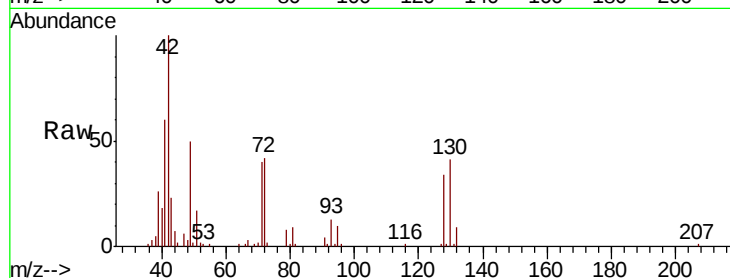
Tot Ion: 42 Resp: 95545

Ion Ratio Lower Upper

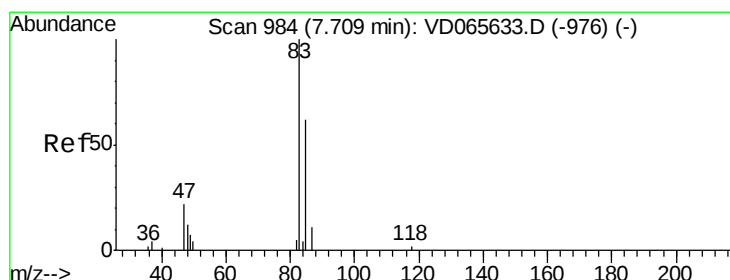
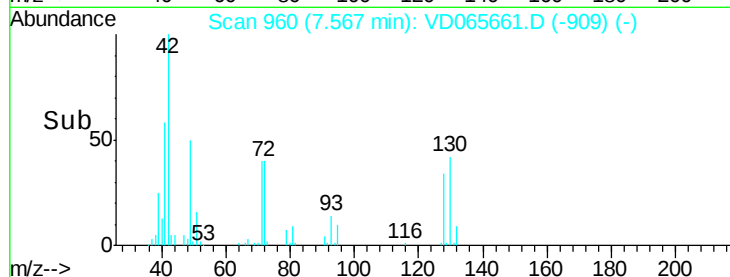
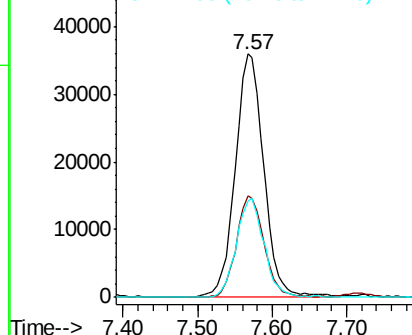
42 100

72 40.3 34.4 51.6

71 39.1 31.4 47.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.455 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065661.D

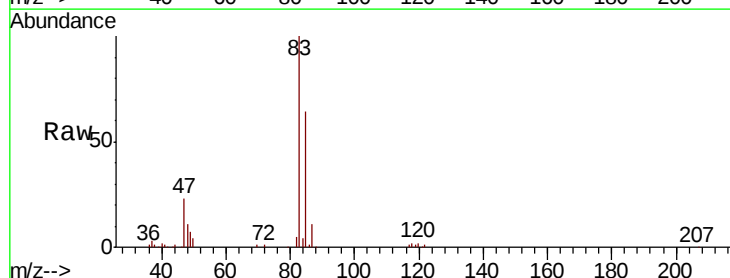
Acq: 17 Apr 2020 23:07

Tgt Ion: 83 Resp: 198258

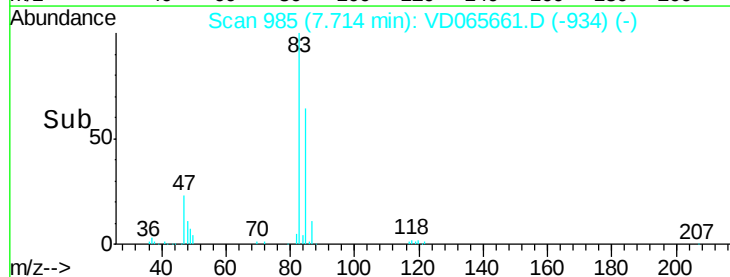
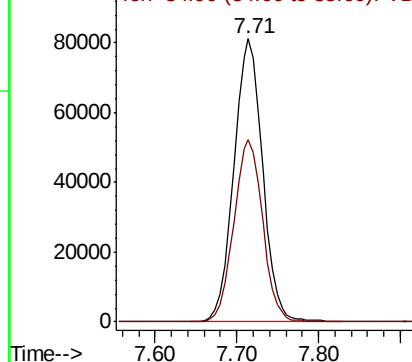
Ion Ratio Lower Upper

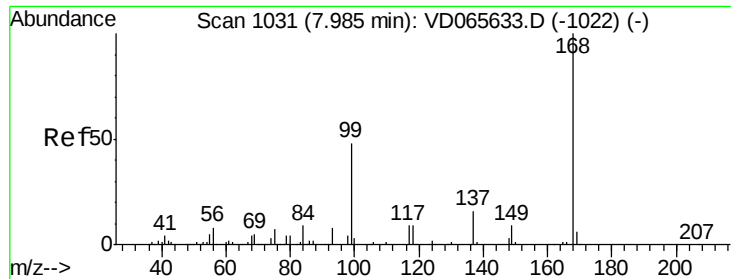
83 100

85 64.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

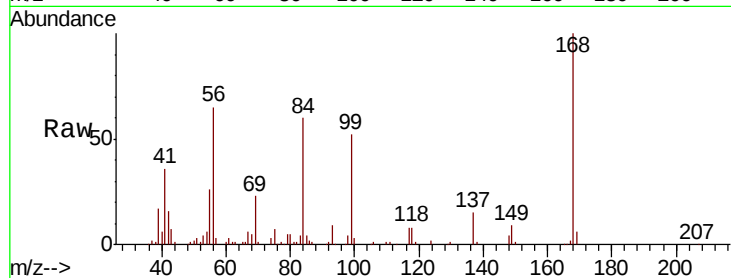




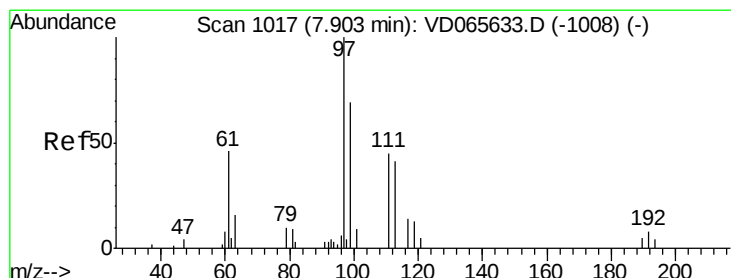
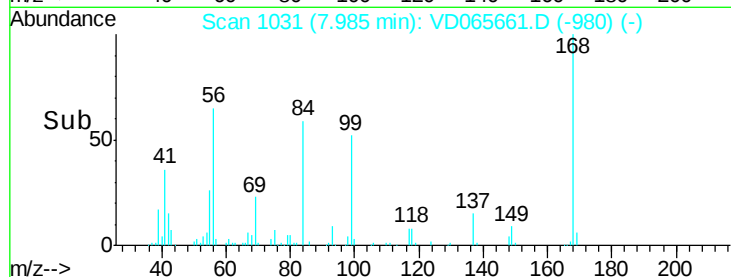
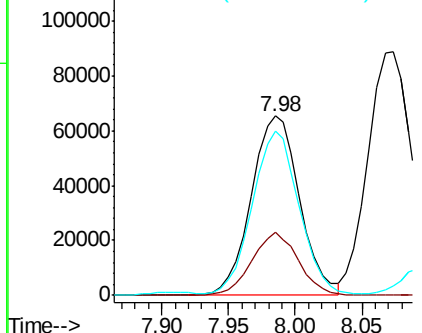
#31
Cyclohexane
Concen: 44.882 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 164147
Ion Ratio Lower Upper
56 100
69 35.1 26.6 40.0
84 90.6 75.3 112.9

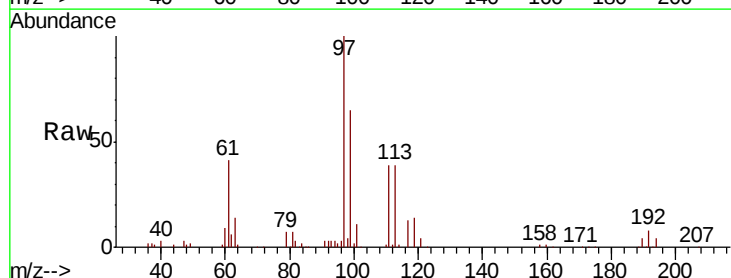


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

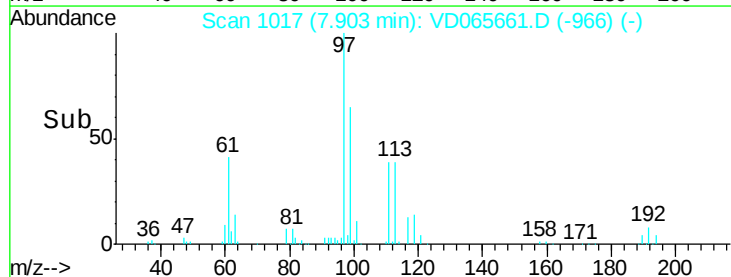
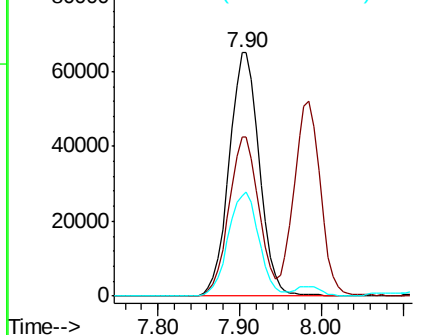


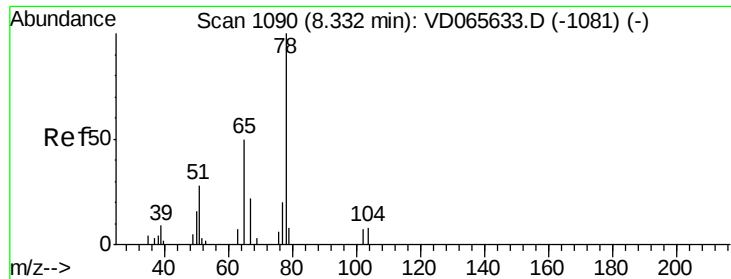
#32
1,1,1-Trichloroethane
Concen: 47.342 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 97 Resp: 167260
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 43.3 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.675 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

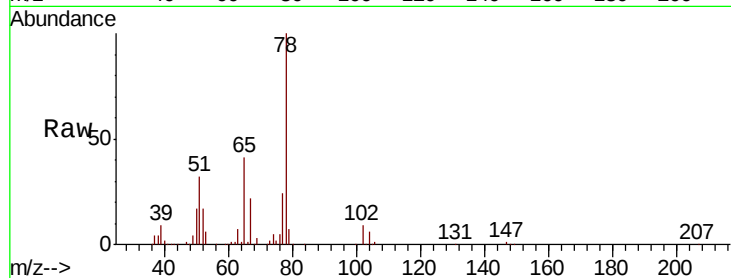
ClientSampleId :

Tot Ion: 65 Resp: 104237

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

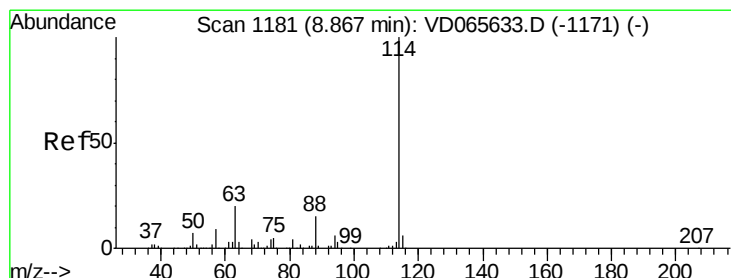
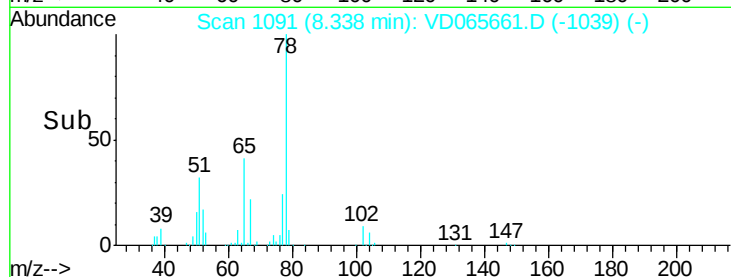
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

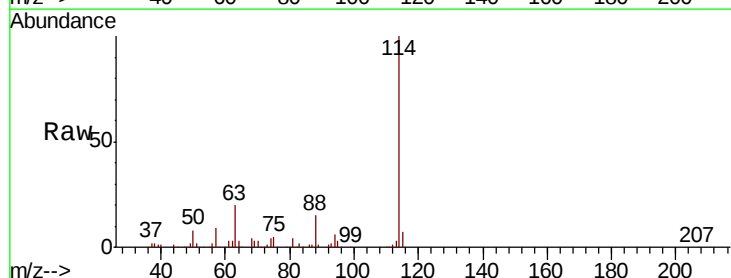
Tgt Ion:114 Resp: 337126

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

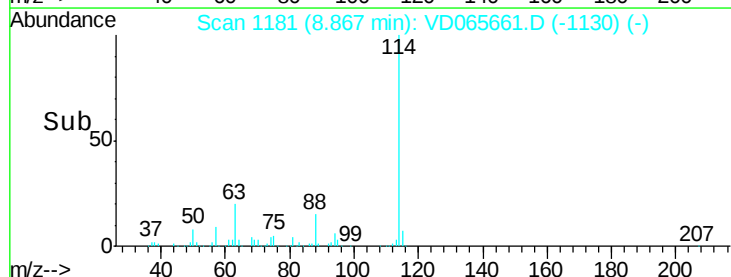
100000

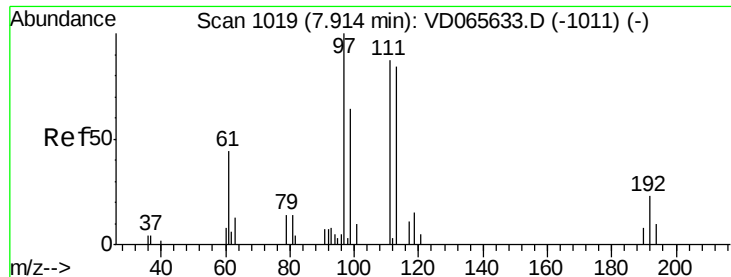
50000

0

8.80 8.90 9.00

Time-->

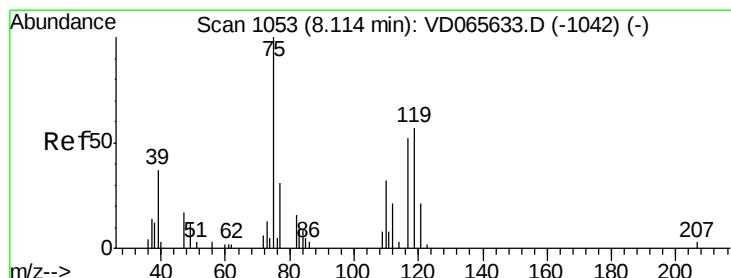
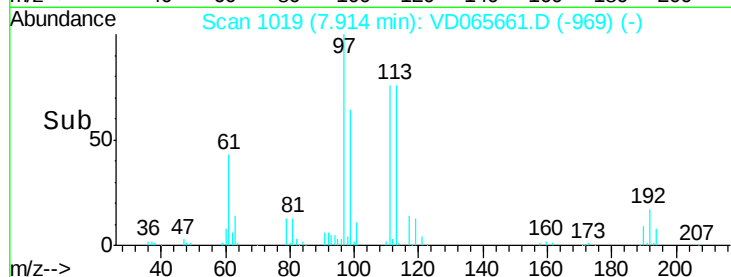
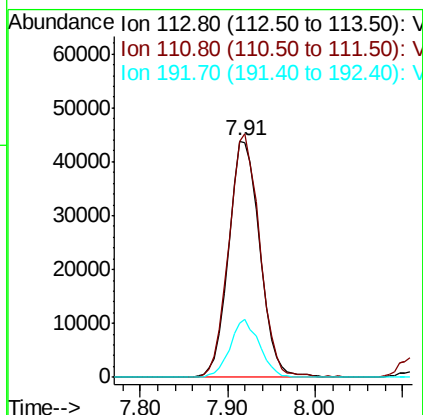
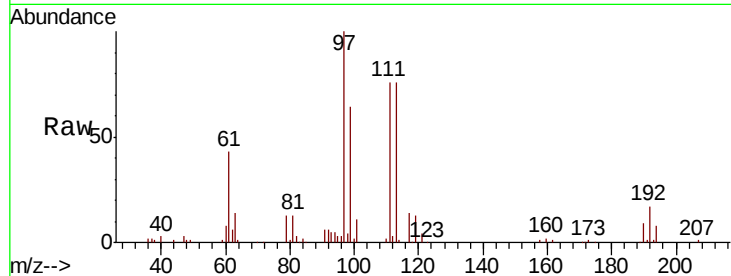




#35
 Dibromofluoromethane
 Concen: 50.475 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

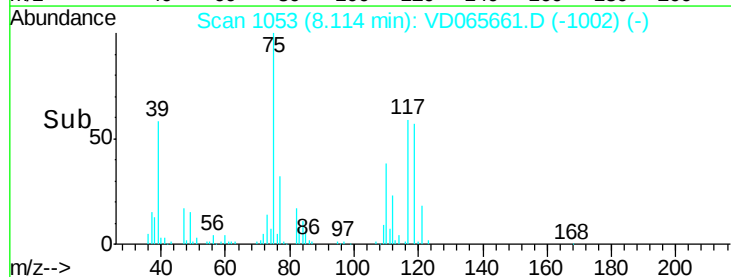
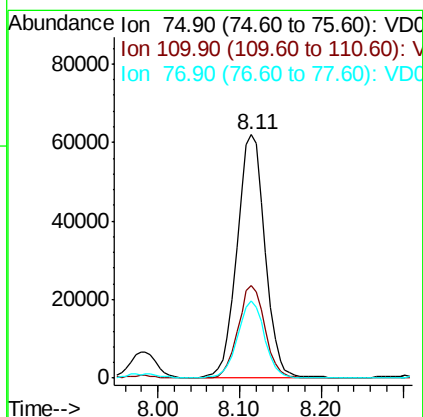
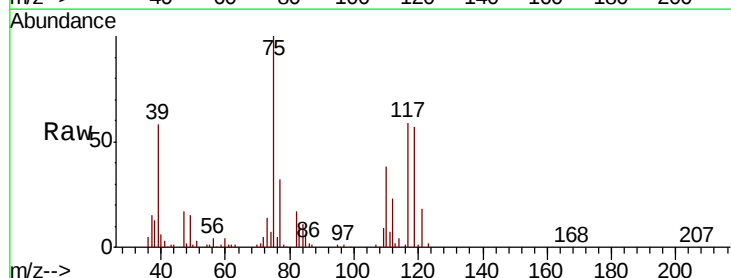
Instrument :
 MSVOA_D
 ClientSampleId :

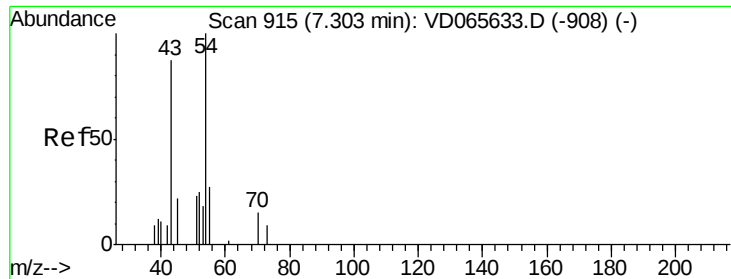
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.0	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 45.459 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.8
77	30.6	24.6	37.0

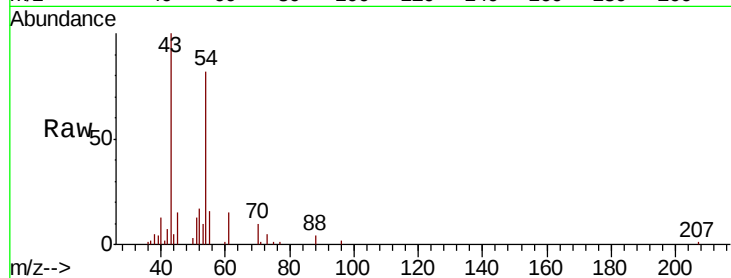




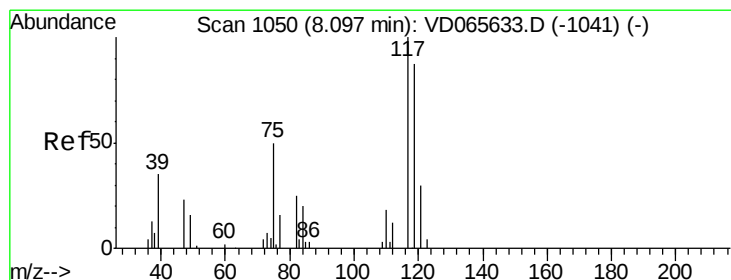
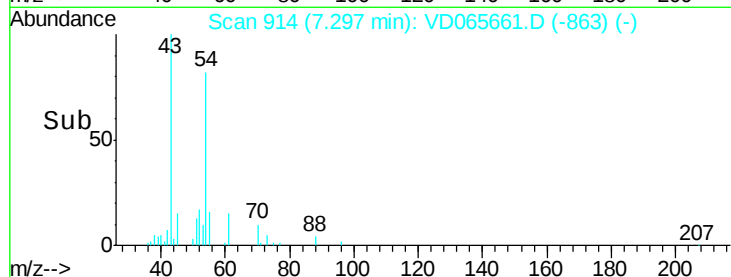
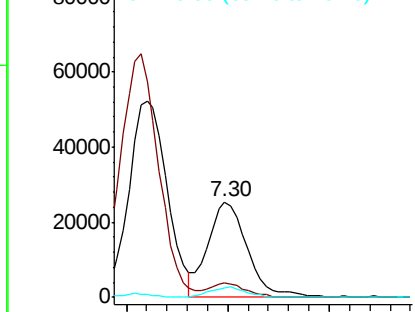
#37
Ethyl Acetate
Concen: 52.187 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 67748
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 10.2 7.9 11.9

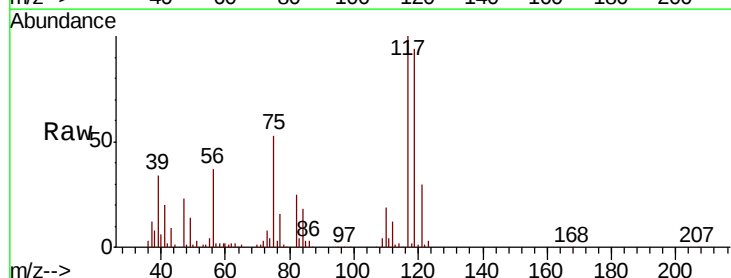


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

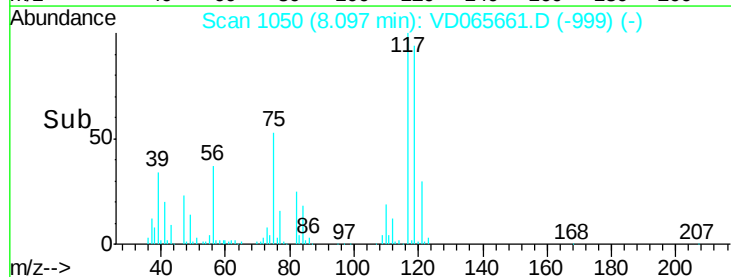
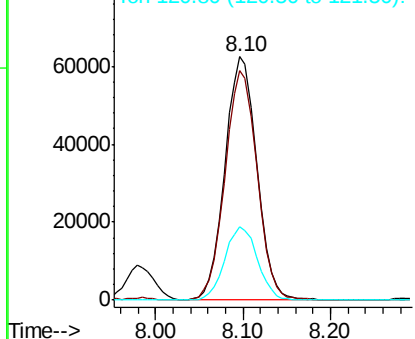


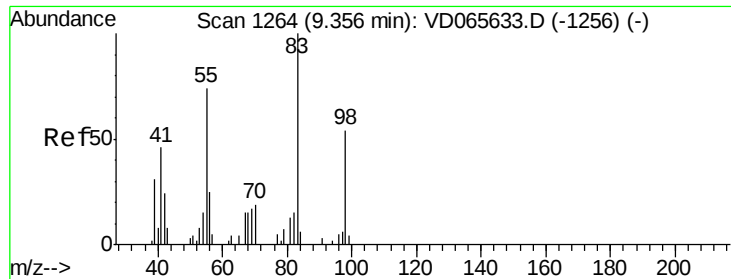
#38
Carbon Tetrachloride
Concen: 44.388 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 117 Resp: 154775
Ion Ratio Lower Upper
117 100
119 94.3 75.3 112.9
121 30.0 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

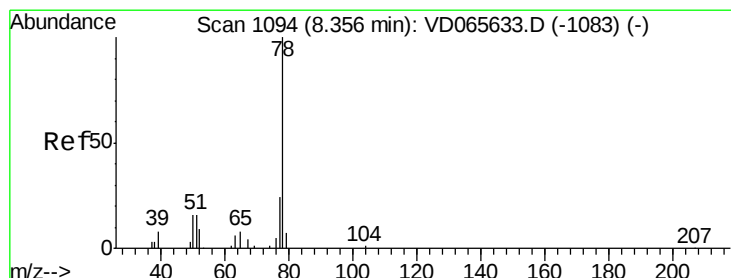
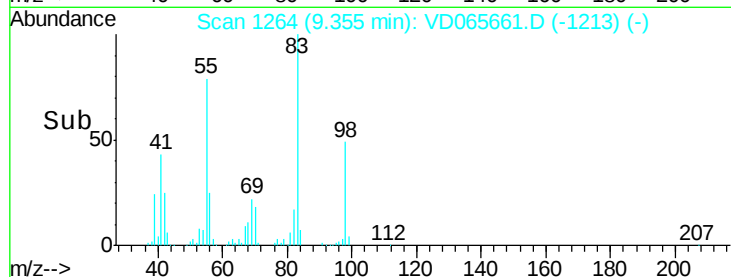
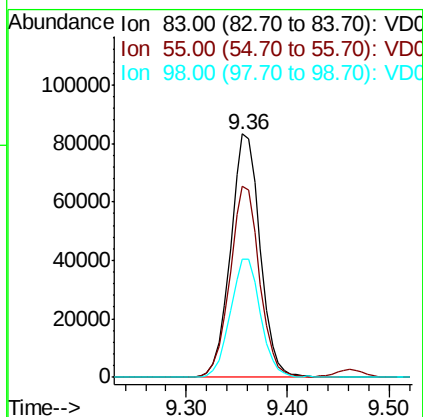
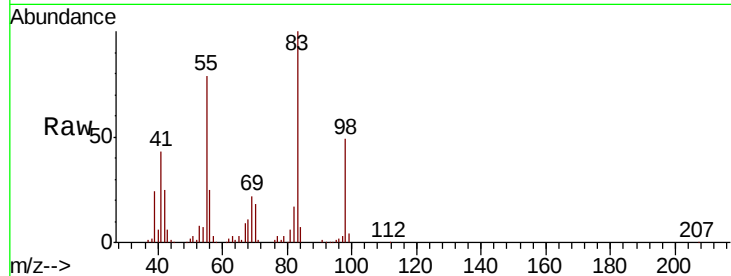




#39
Methvlcvclohexane
Concen: 44.451 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

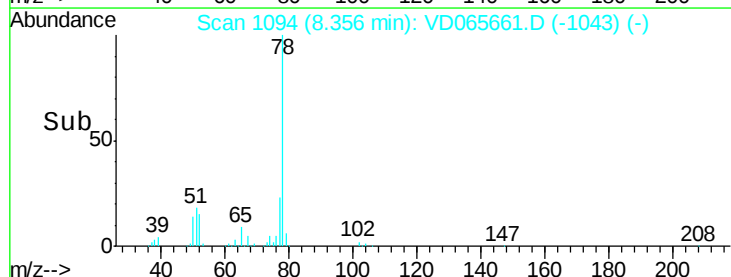
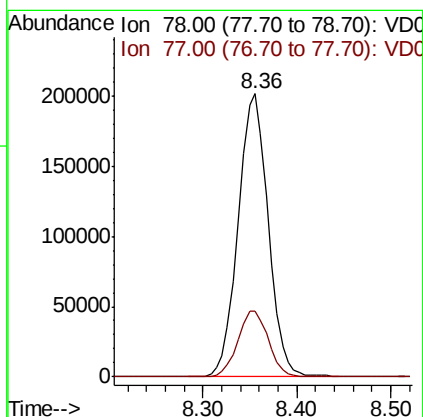
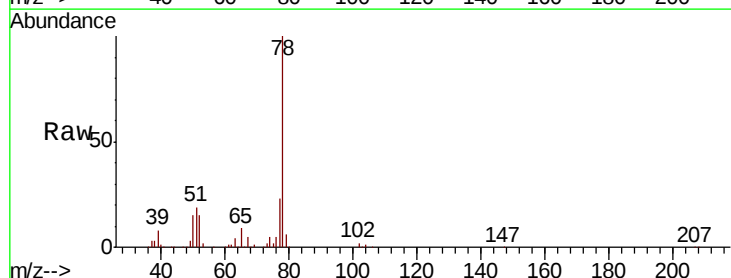
Instrument :
MSVOA_D
ClientSampled :

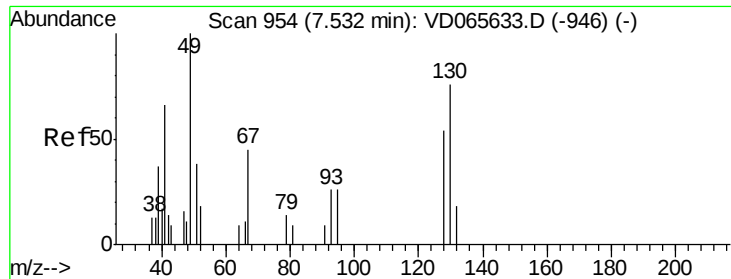
Tot Ion: 83 Resp: 168384
Ion Ratio Lower Upper
83 100
55 78.6 62.3 93.5
98 48.8 40.5 60.7



#40
Benzene
Concen: 47.763 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 78 Resp: 447026
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

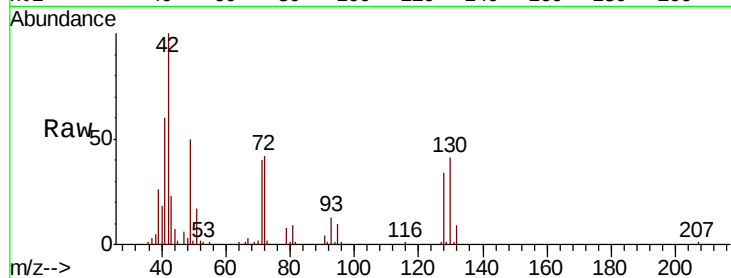




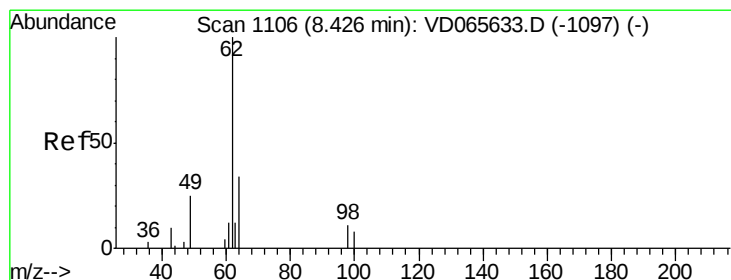
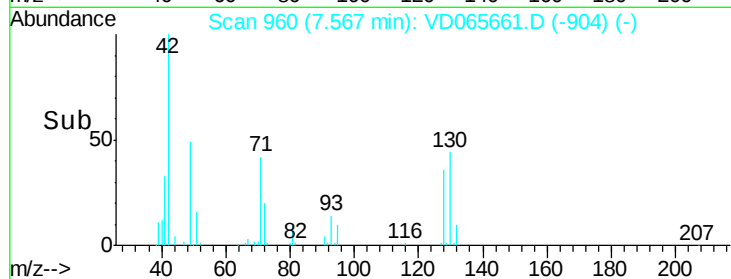
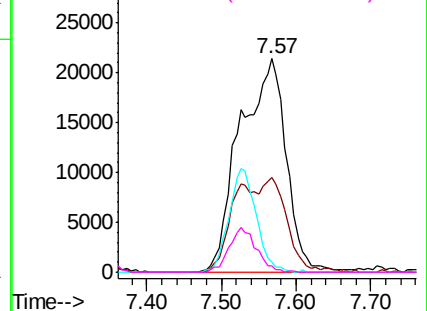
#41
Methacrylonitrile
Concen: 143.110 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 92014
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

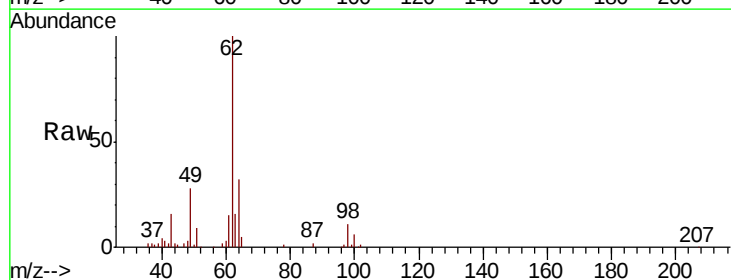


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

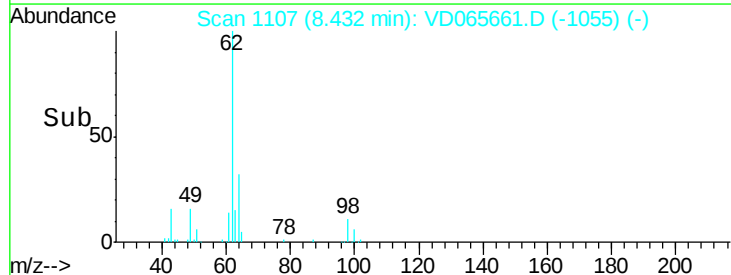
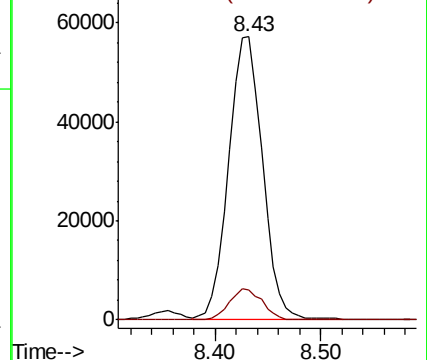


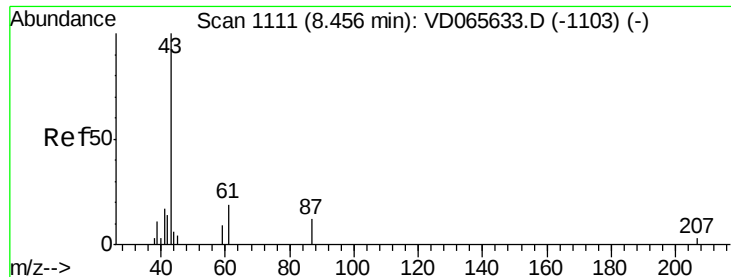
#42
1,2-Dichloroethane
Concen: 49.610 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 62 Resp: 127250
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.683 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

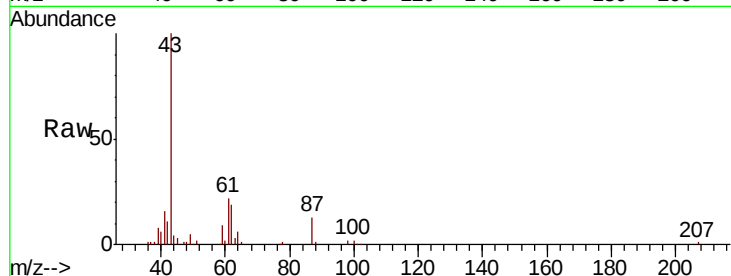
Tot Ion: 43 Resp: 123156

Ion Ratio Lower Upper

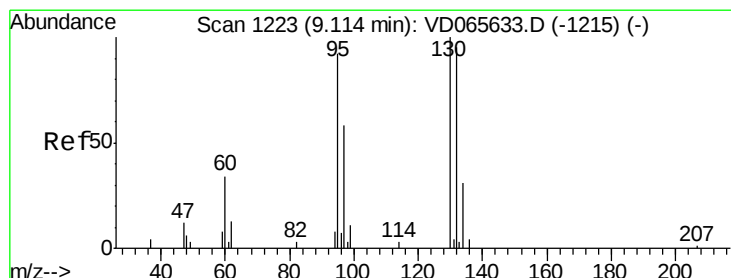
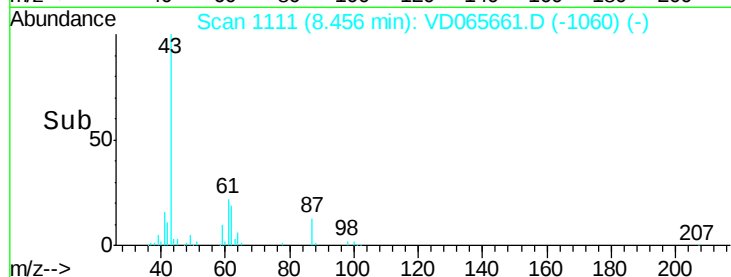
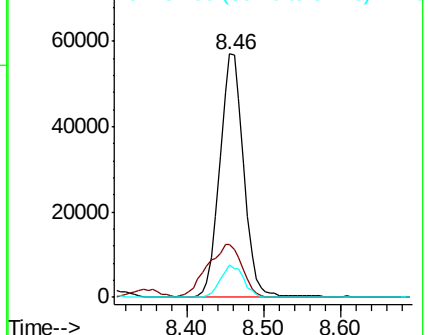
43 100

61 31.5 25.0 37.6

87 12.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.951 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065661.D

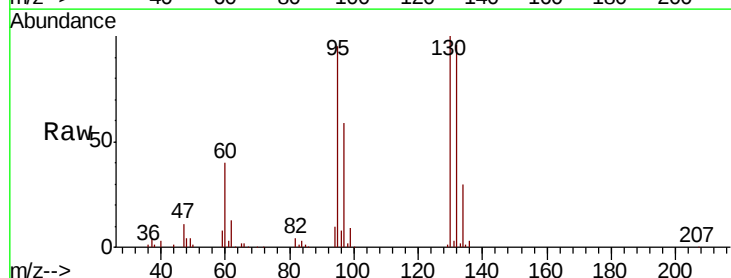
Acq: 17 Apr 2020 23:07

Tgt Ion: 130 Resp: 120387

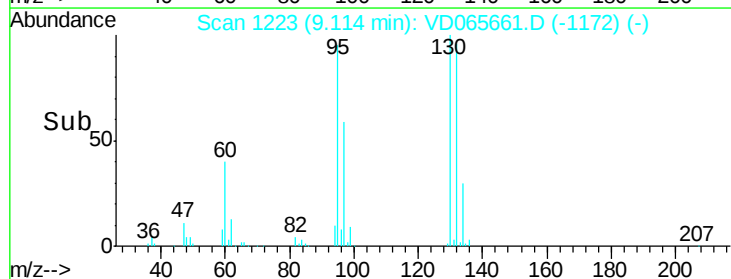
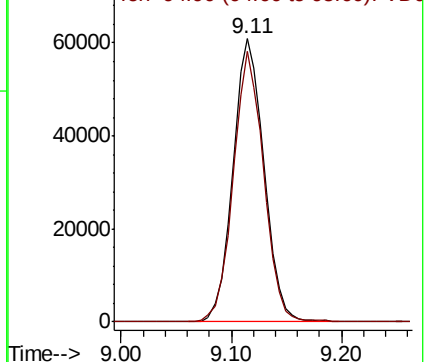
Ion Ratio Lower Upper

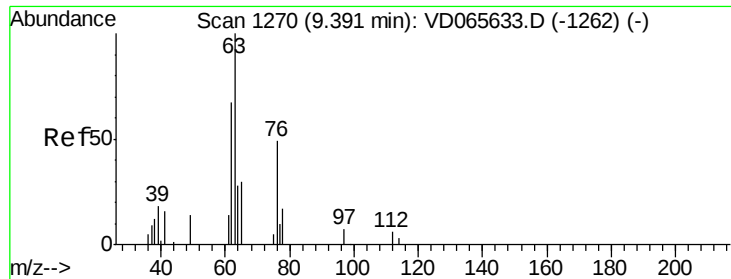
130 100

95 95.4 0.0 178.4



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

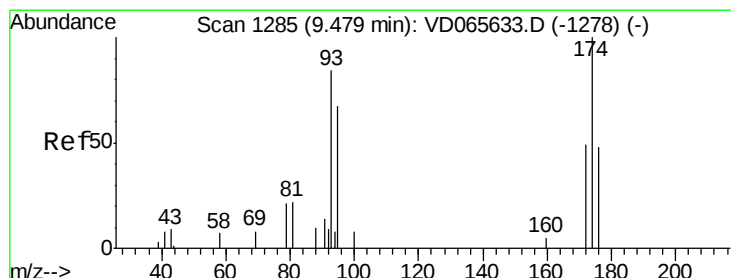
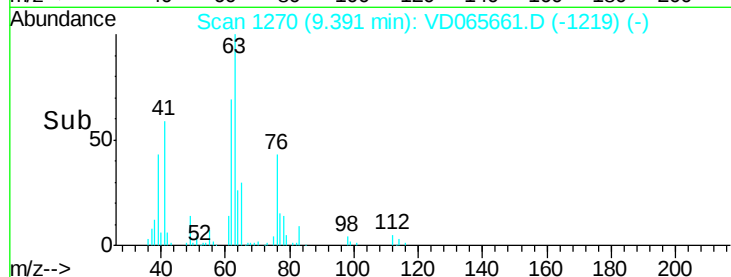
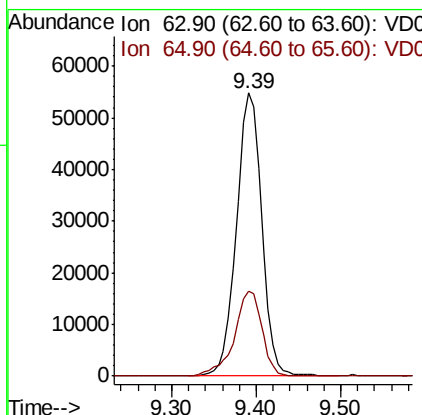
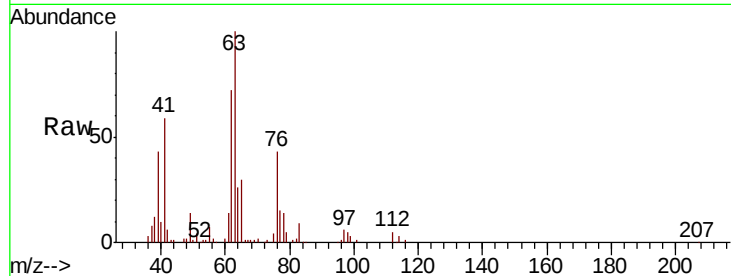




#45
 1,2-Dichloropropane
 Concen: 49.323 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

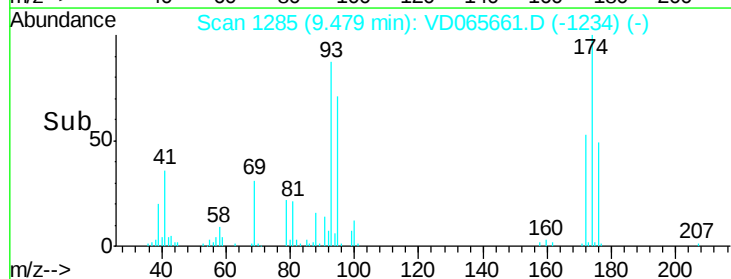
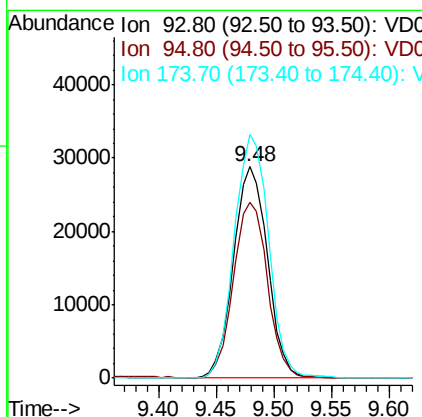
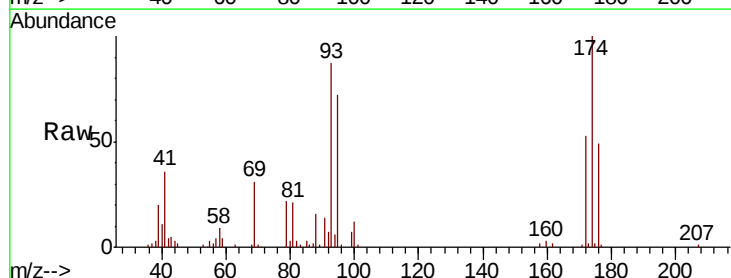
Instrument :
 MSVOA_D
 ClientSampleId :

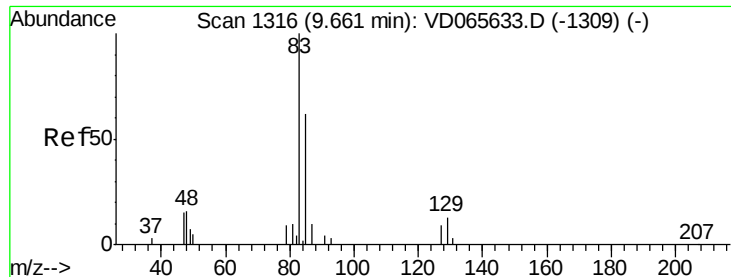
Tot Ion: 63 Resp: 113293
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1



#46
 Dibromomethane
 Concen: 49.853 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 93 Resp: 59217
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.4 101.2
 174 116.2 94.1 141.1

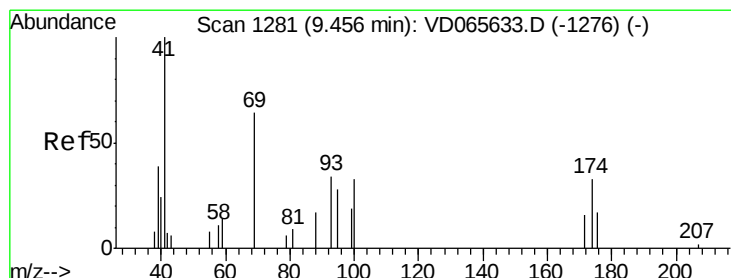
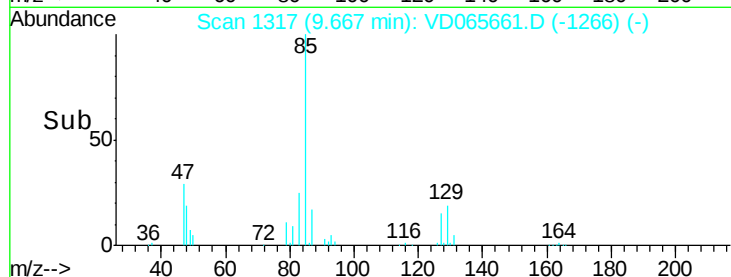
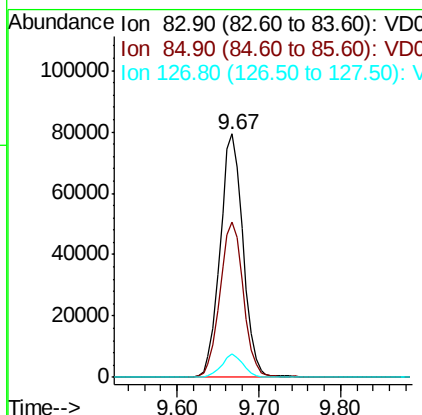
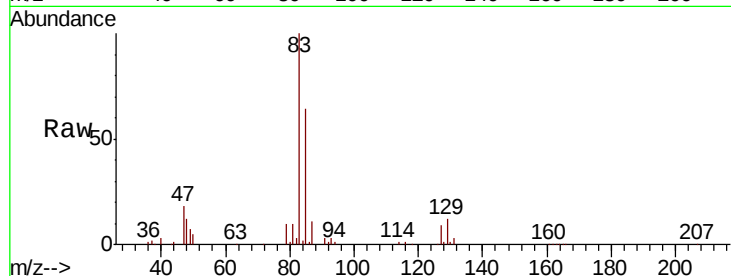




#47
Bromodichloromethane
Concen: 49.052 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

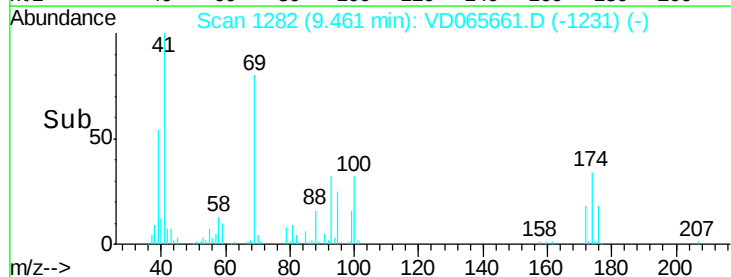
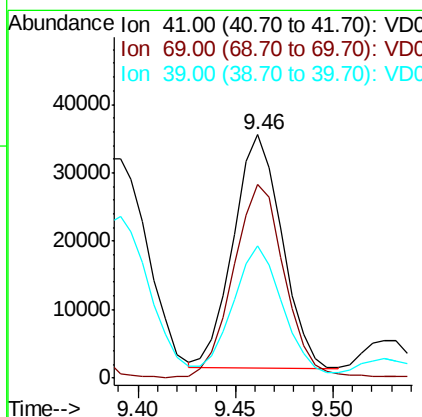
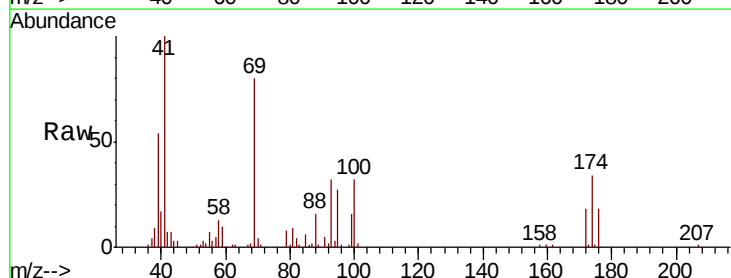
Instrument :
MSVOA_D
ClientSampled :

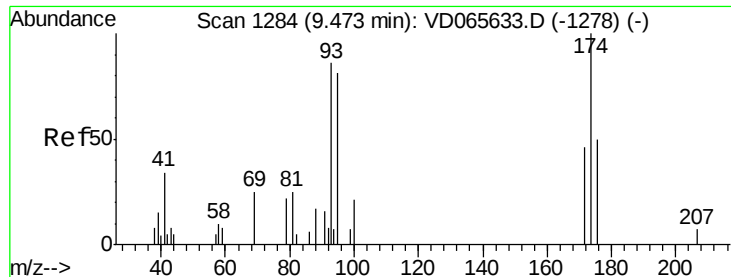
Tot Ion: 83 Resp: 155154
Ion Ratio Lower Upper
83 100
85 63.6 49.8 74.8
127 9.4 6.6 9.8



#48
Methyl methacrylate
Concen: 47.424 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 41 Resp: 59188
Ion Ratio Lower Upper
41 100
69 87.9 66.8 100.2
39 59.2 39.6 59.4





#49

1,4-Dioxane

Concen: 987.860 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

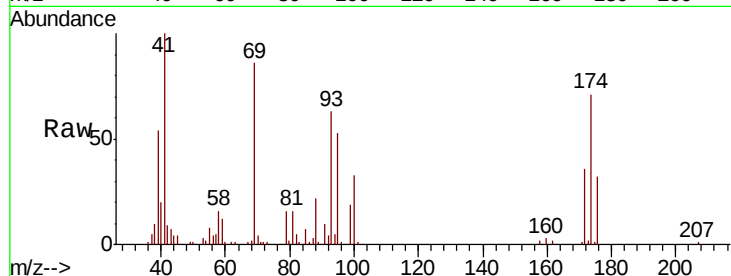
Tot Ion: 88 Resp: 14274

Ion Ratio Lower Upper

88 100

43 35.4 28.1 42.1

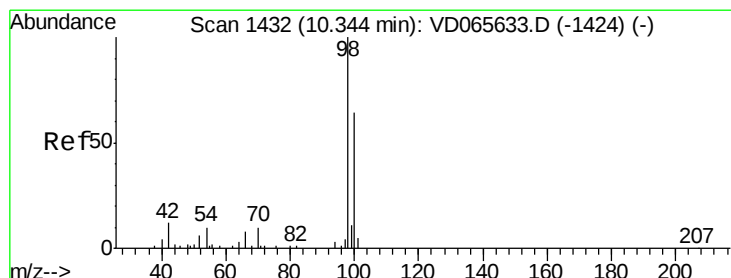
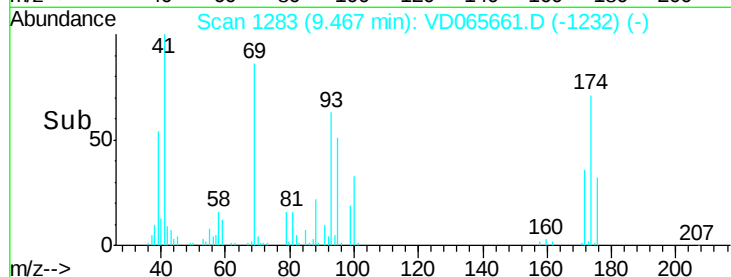
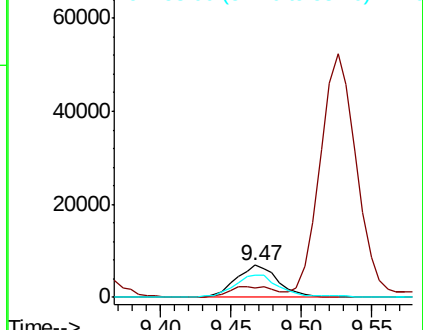
58 72.1 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.591 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065661.D

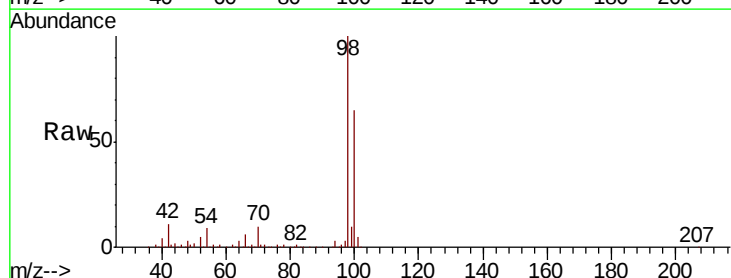
Acq: 17 Apr 2020 23:07

Tgt Ion: 98 Resp: 391302

Ion Ratio Lower Upper

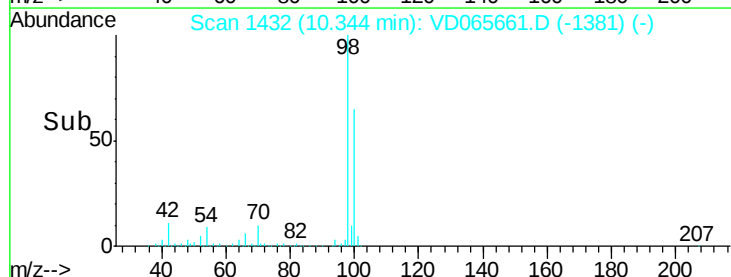
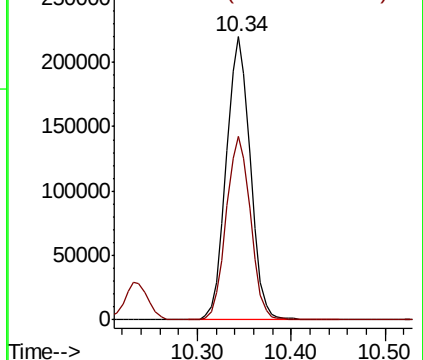
98 100

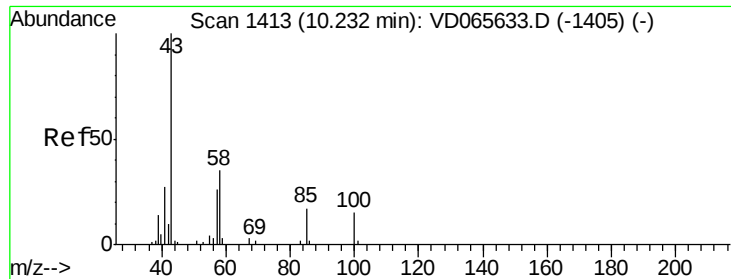
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

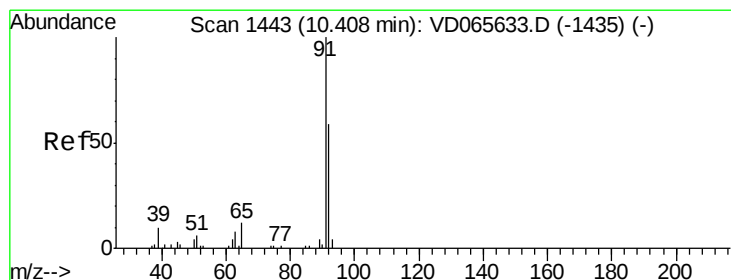
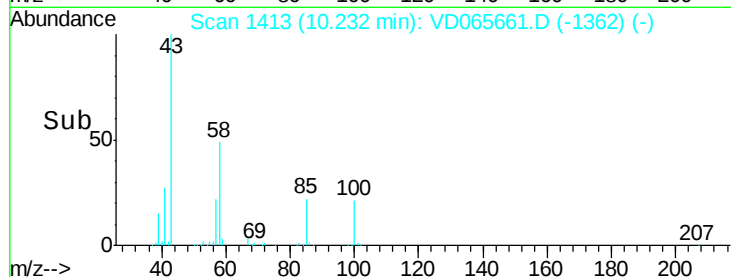
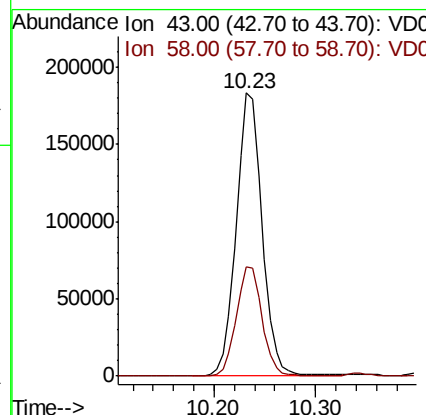
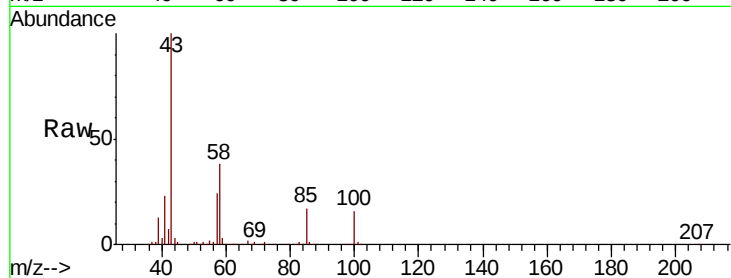




#51
 4-Methyl-2-Pentanone
 Concen: 249.317 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

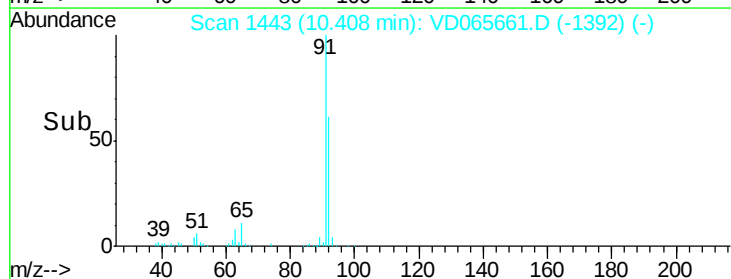
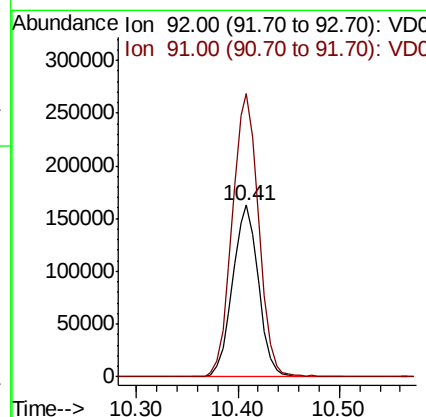
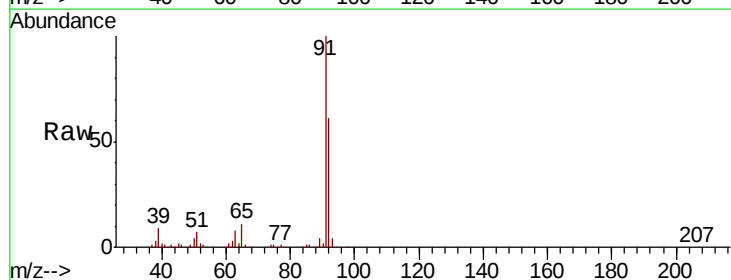
Instrument :
 MSVOA_D
 ClientSampleId :

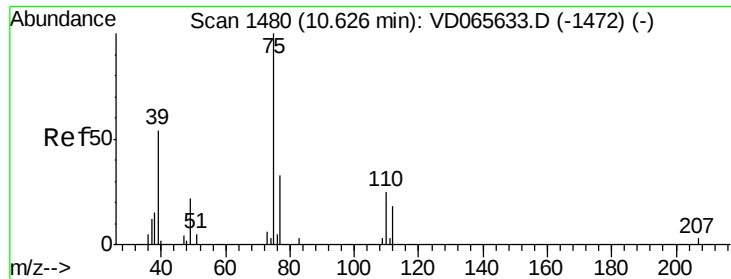
Tot Ion: 43 Resp: 325374
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.1 46.7



#52
 Toluene
 Concen: 49.741 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 92 Resp: 286991
 Ion Ratio Lower Upper
 92 100
 91 168.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.499 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

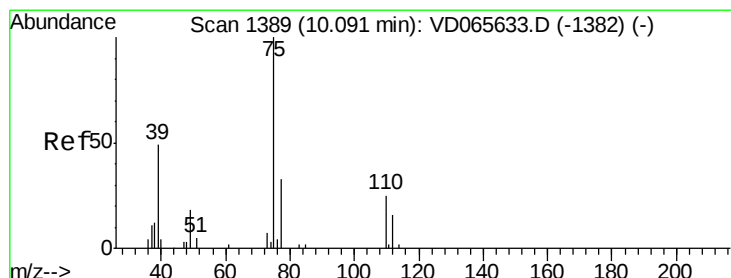
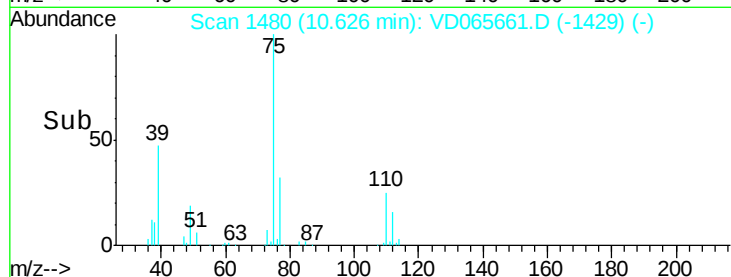
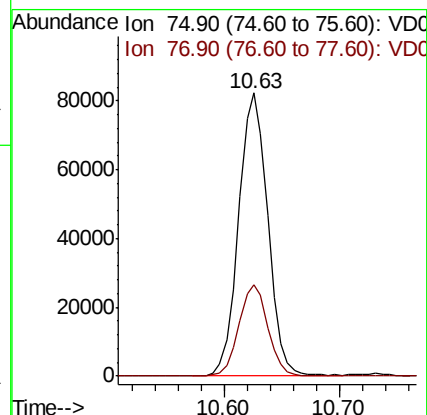
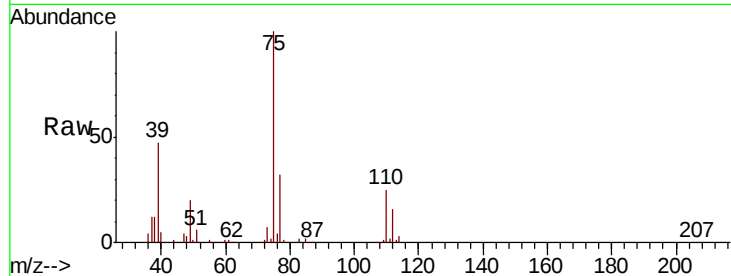
ClientSampleId :

Tot Ion: 75 Resp: 143760

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 49.566 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

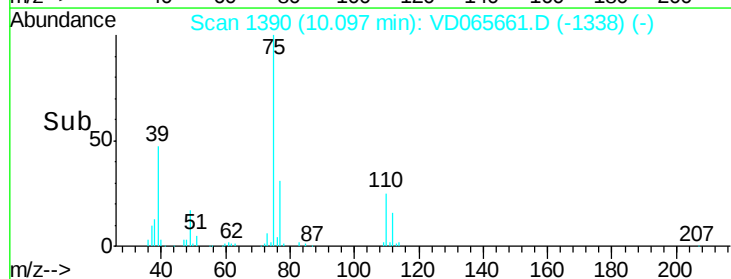
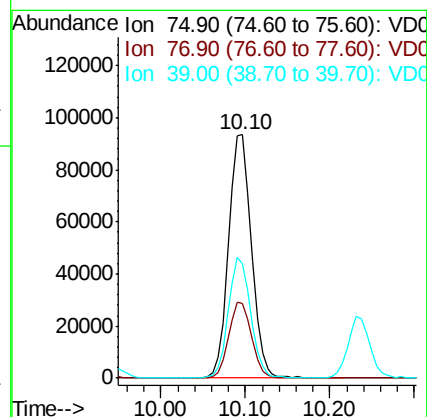
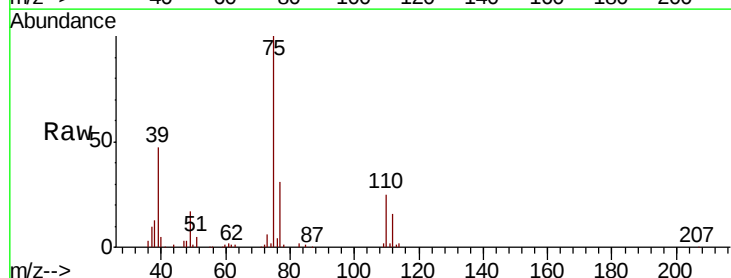
Tgt Ion: 75 Resp: 174224

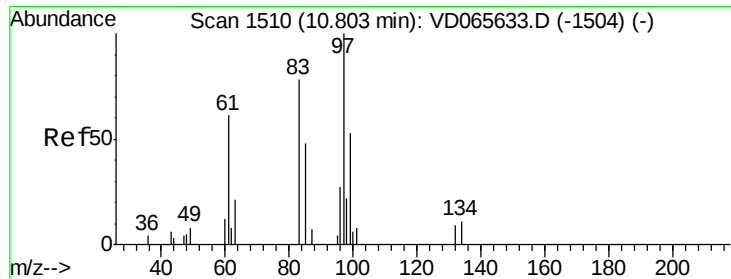
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 47.2 38.7 58.1

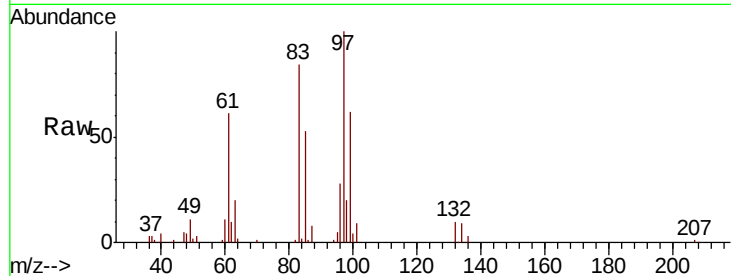




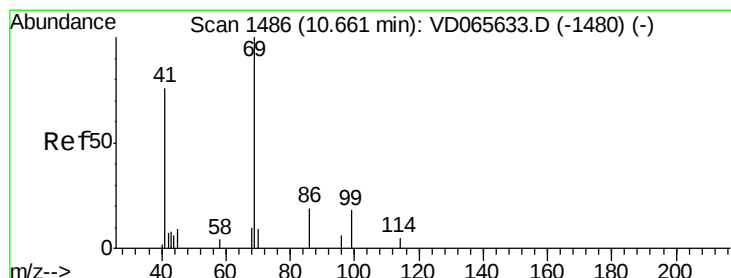
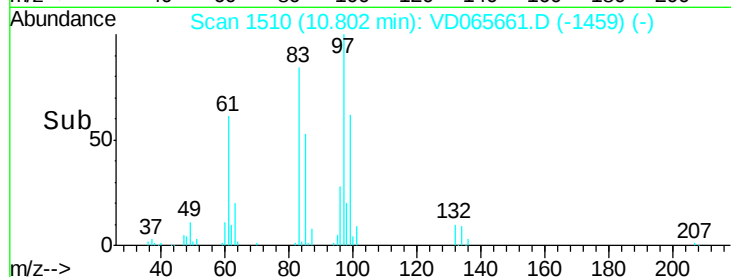
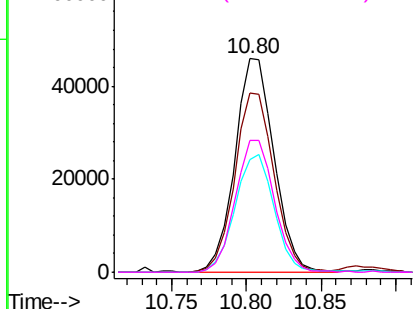
#55
 1,1,2-Trichloroethane
 Concen: 49.802 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	83673
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.4	101.0
85	53.0	43.4	65.0
99	61.8	50.5	75.7

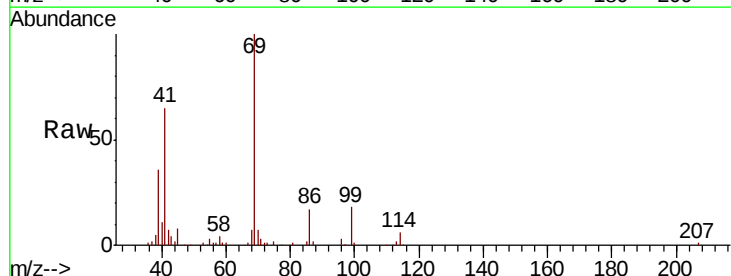


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

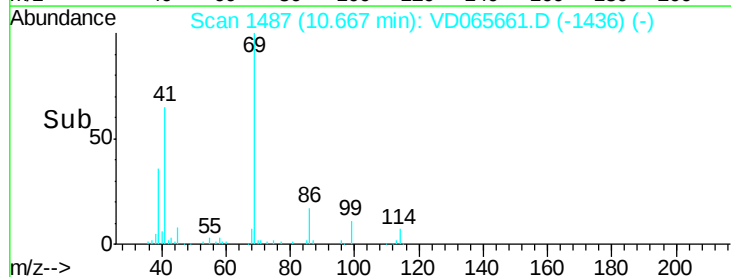
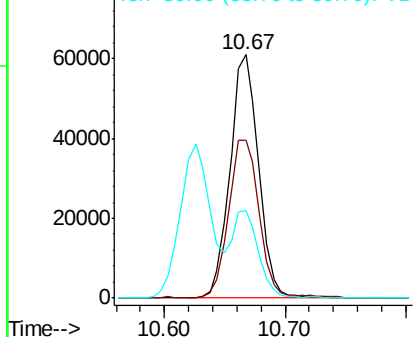


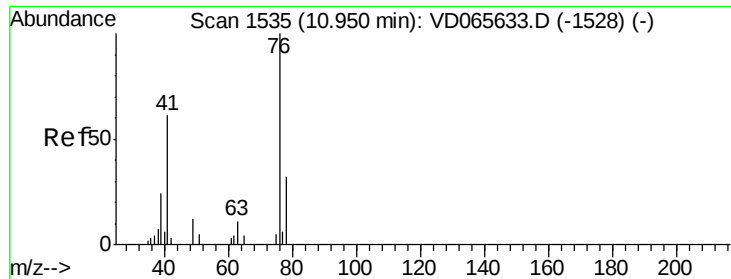
#56
 Ethyl methacrylate
 Concen: 47.981 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion:	69	Resp:	100599
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.2	84.4
39	32.4	26.6	39.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC

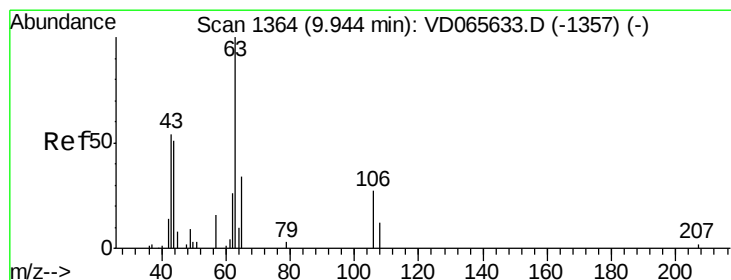
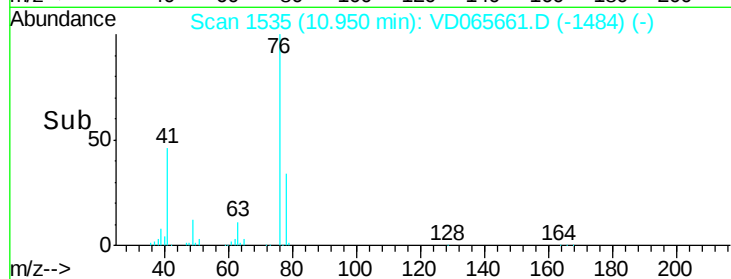
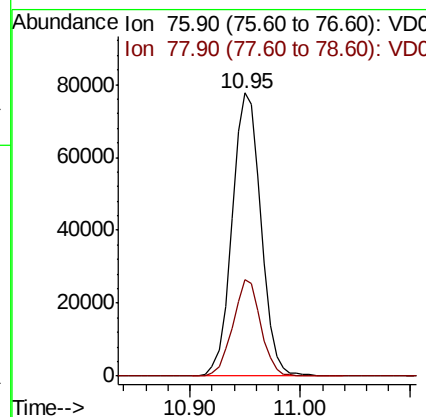
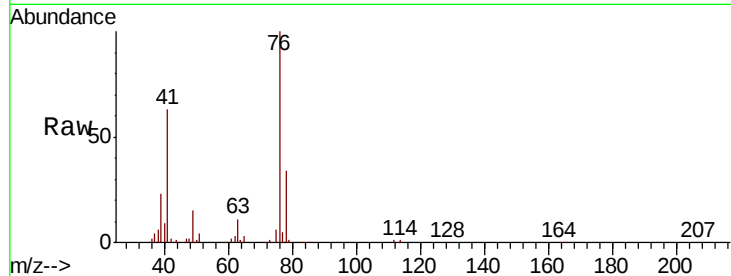




#57
 1,3-Dichloropropane
 Concen: 49.691 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

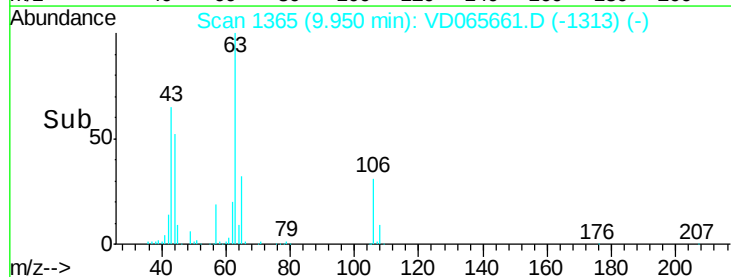
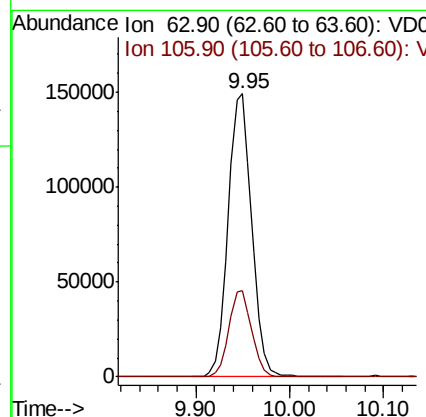
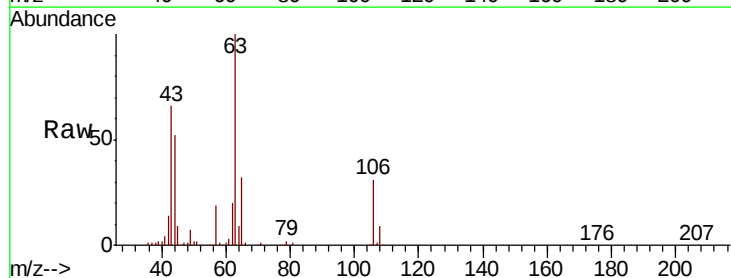
Instrument :
 MSVOA_D
 ClientSampled :

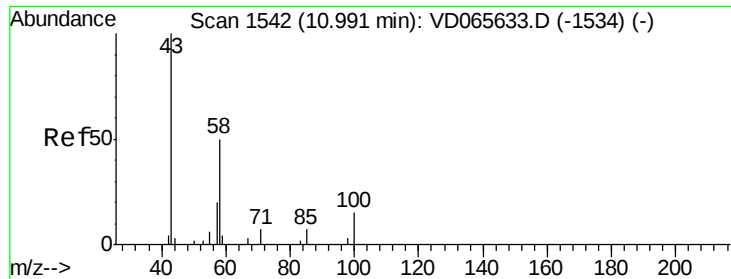
Tot Ion: 76 Resp: 142159
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.843 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 63 Resp: 260618
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6

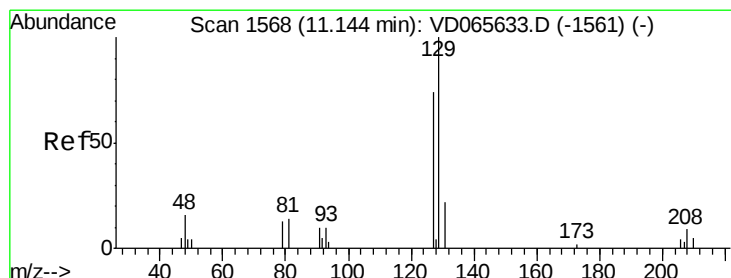
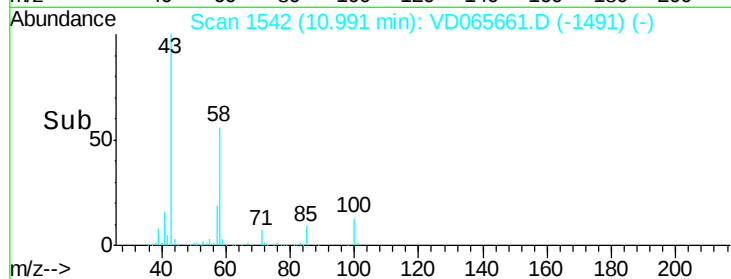
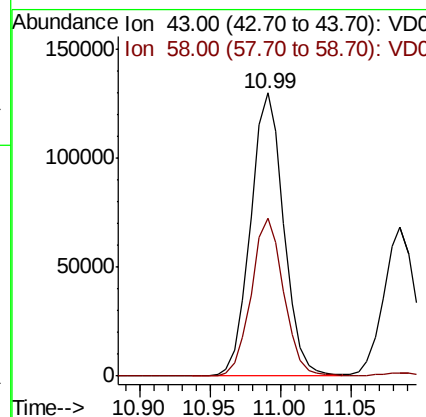
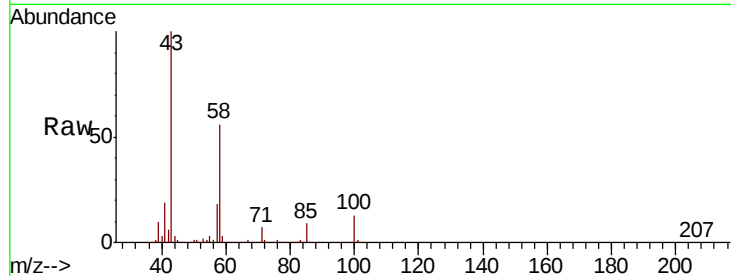




#59
2-Hexanone
Concen: 240.145 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

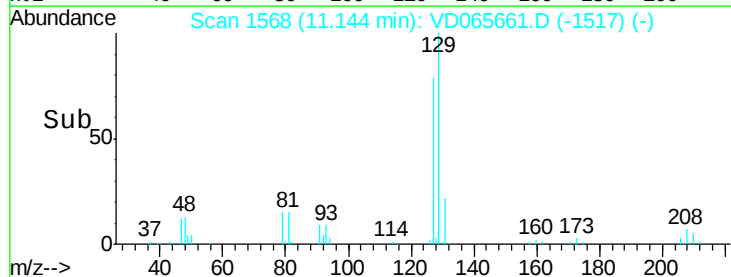
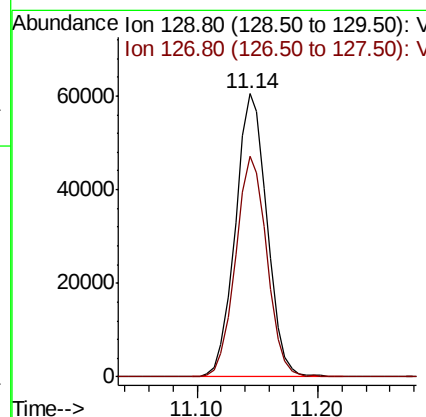
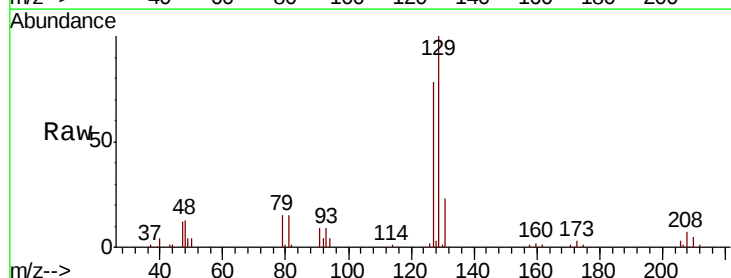
Instrument :
MSVOA_D
ClientSampleId :

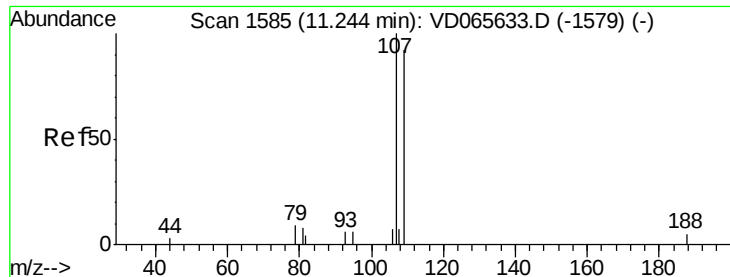
Tot Ion: 43 Resp: 214917
Ion Ratio Lower Upper
43 100
58 54.6 26.5 79.4



#60
Dibromochloromethane
Concen: 49.677 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:129 Resp: 109925
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

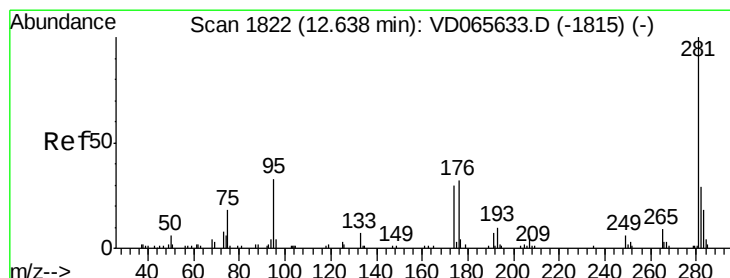
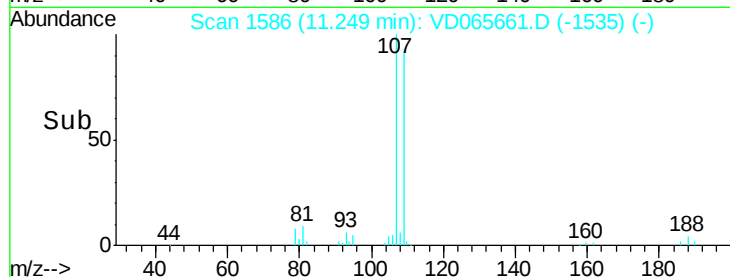
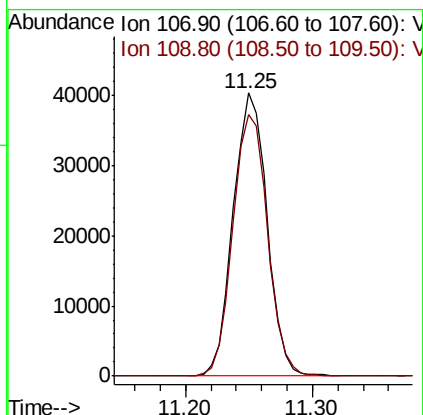
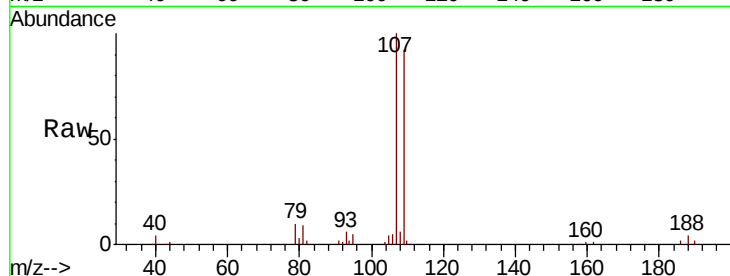




#61
 1,2-Dibromoethane
 Concen: 46.116 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

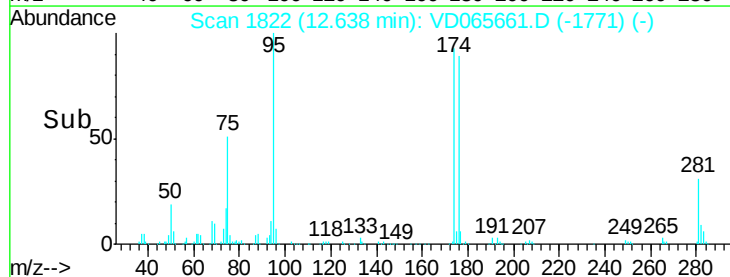
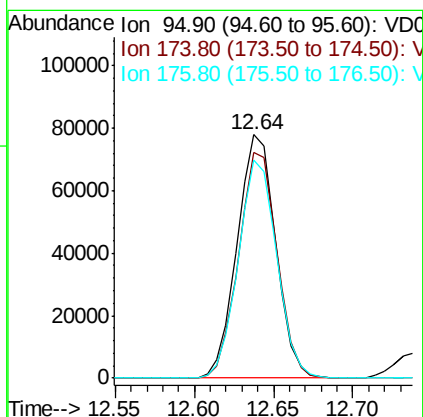
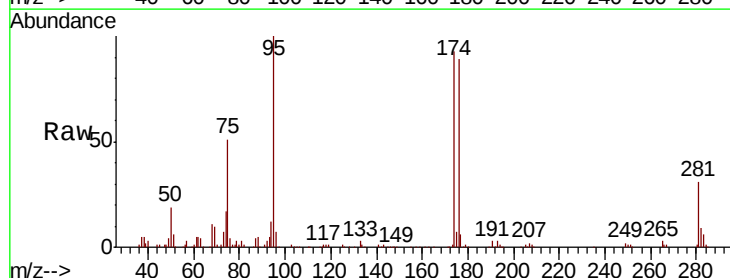
Instrument :
 MSVOA_D
 ClientSampleId :

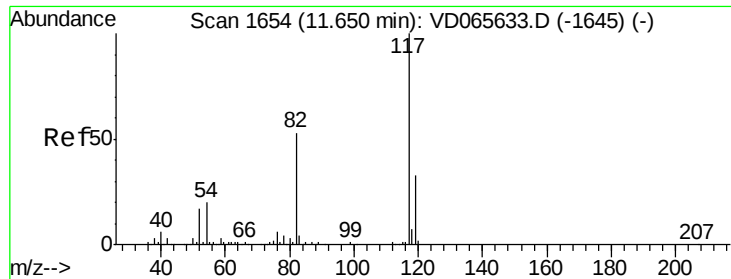
Tot Ion: 107 Resp: 74552
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 51.076 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion: 95 Resp: 131452
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 183.8
 176 89.4 0.0 181.4

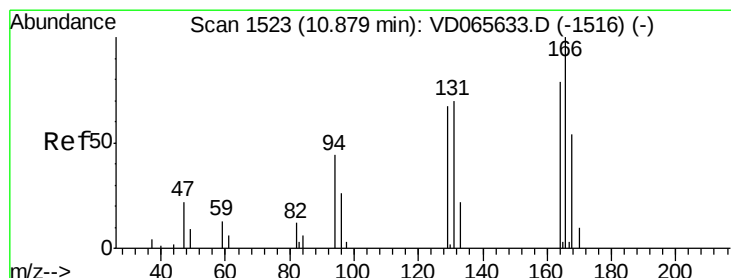
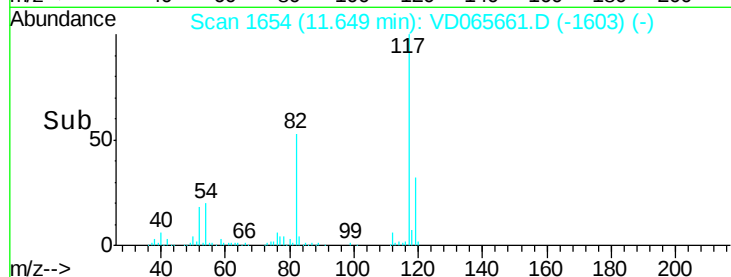
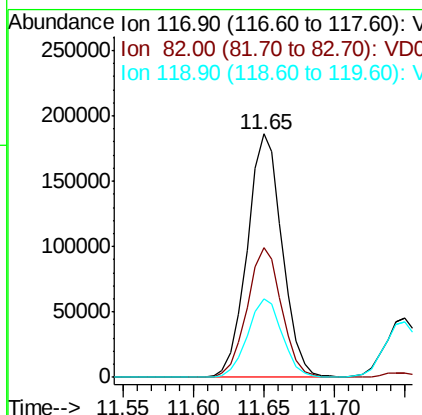
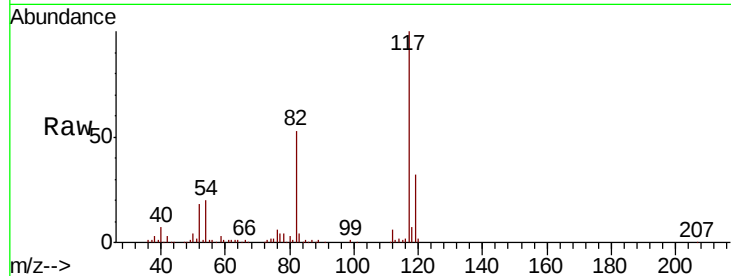




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

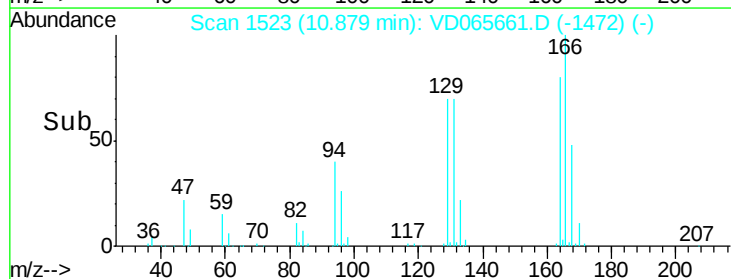
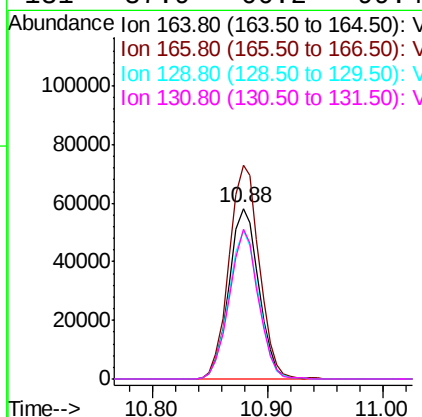
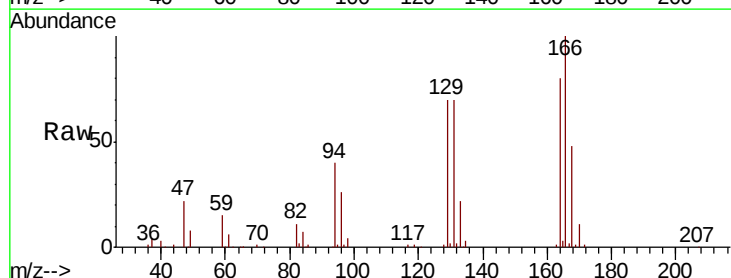
Instrument :
MSVOA_D
ClientSampleId :

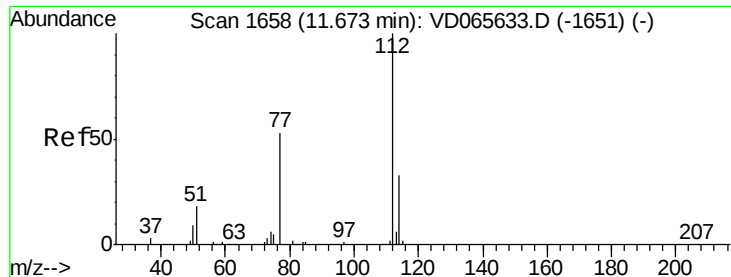
Tot Ion:117 Resp: 322182
Ion Ratio Lower Upper
117 100
82 53.3 43.2 64.8
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 44.972 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:164 Resp: 103963
Ion Ratio Lower Upper
164 100
166 125.3 102.3 153.5
129 87.3 71.7 107.5
131 87.9 66.2 99.4

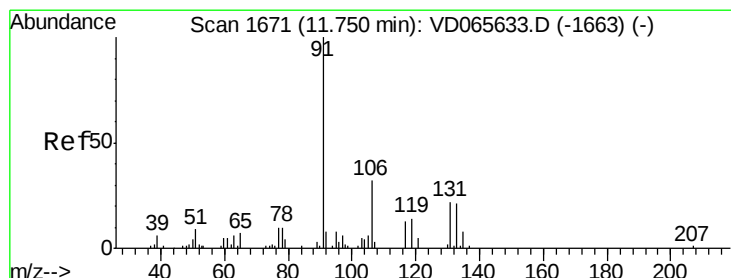
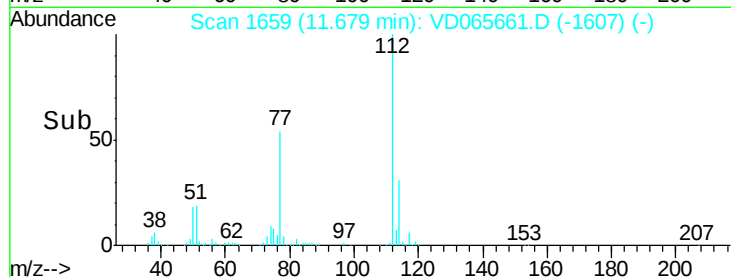
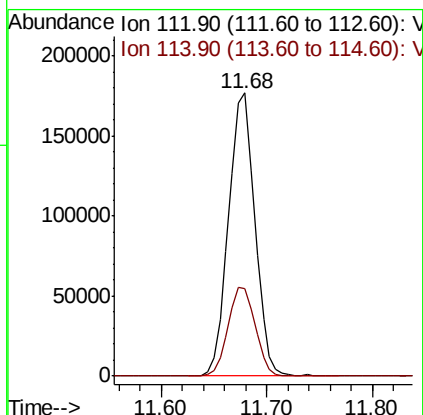
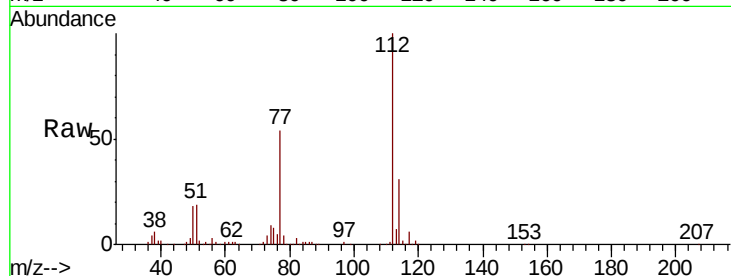




#65
Chlorobenzene
Concen: 47.812 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

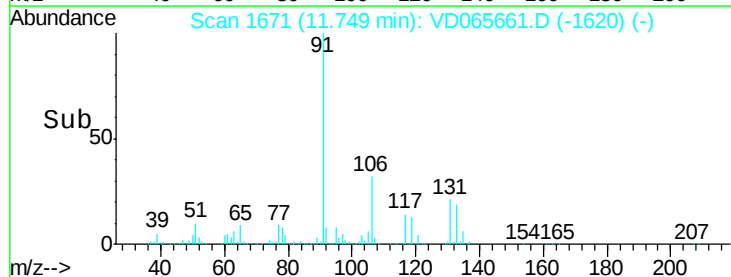
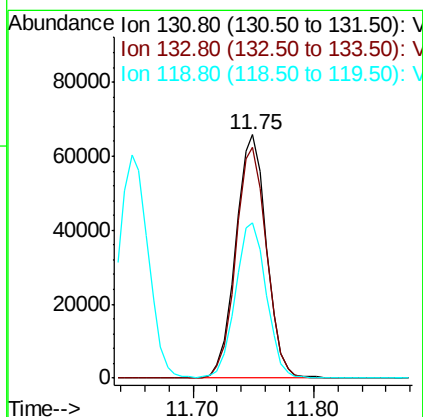
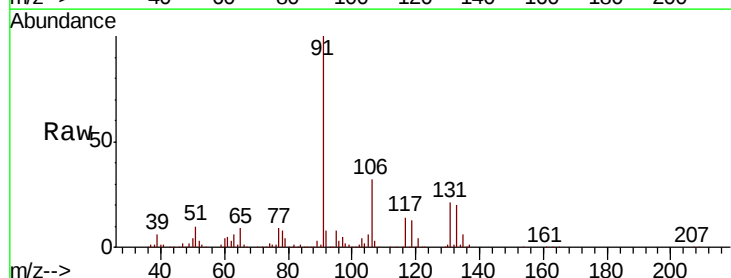
Instrument :
MSVOA_D
ClientSampleId :

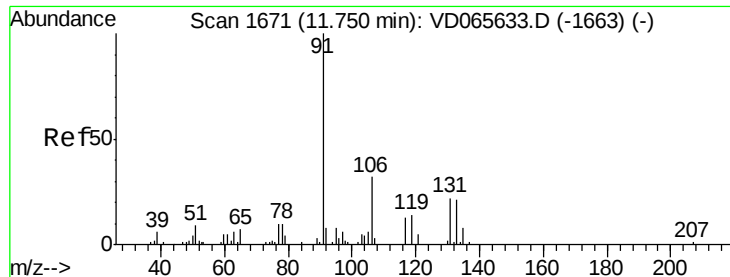
Tot Ion:112 Resp: 304984
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.909 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:131 Resp: 116846
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 64.3 32.6 97.7

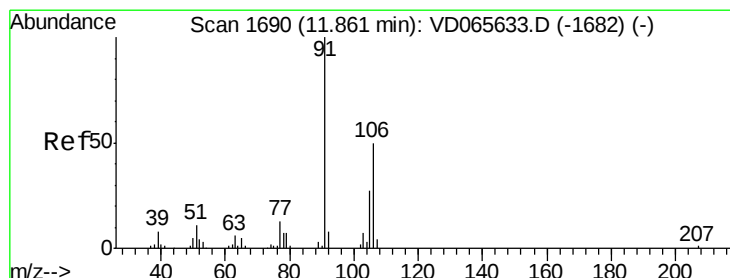
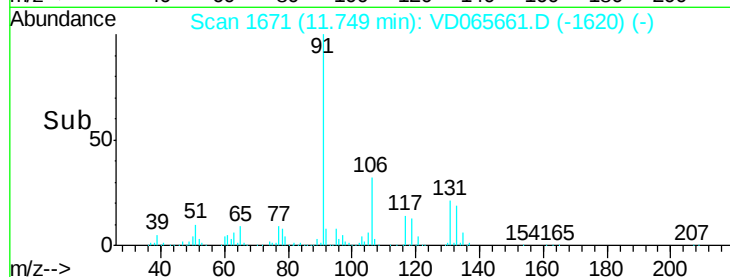
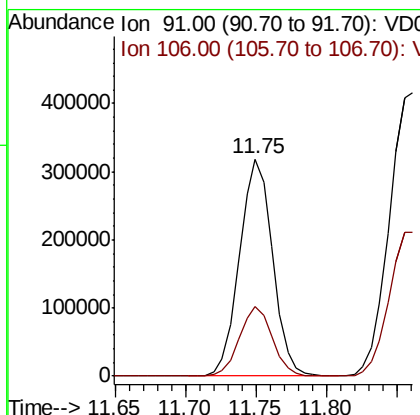
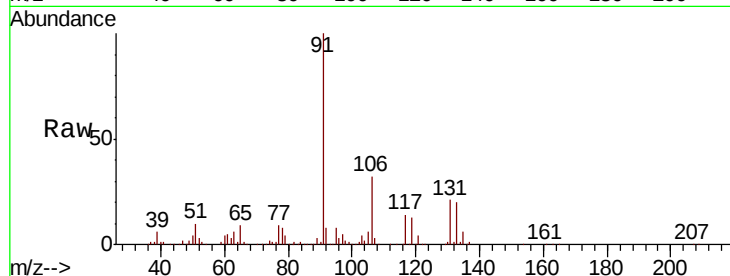




#67
Ethyl Benzene
Concen: 47.952 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

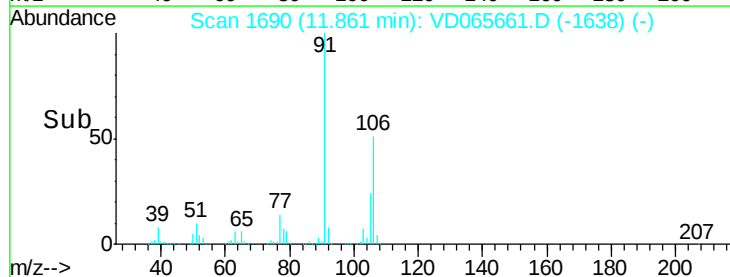
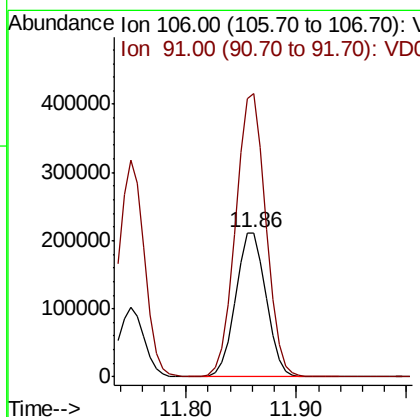
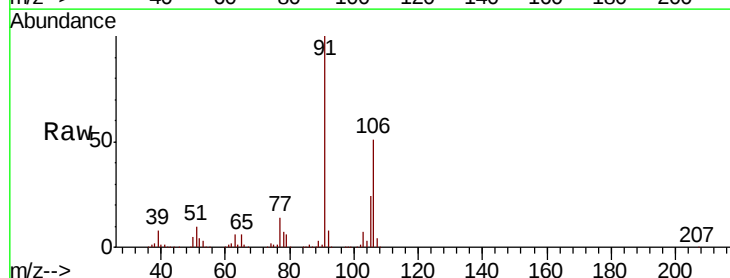
Instrument :
MSVOA_D
ClientSampleId :

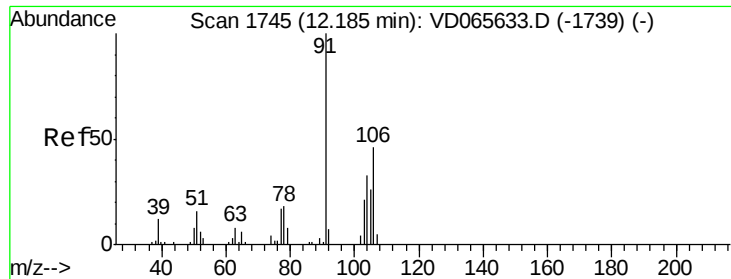
Tot Ion: 91 Resp: 522750
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 97.722 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 106 Resp: 411572
Ion Ratio Lower Upper
106 100
91 195.1 157.9 236.9

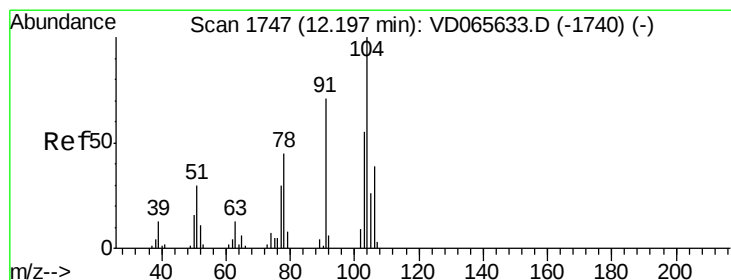
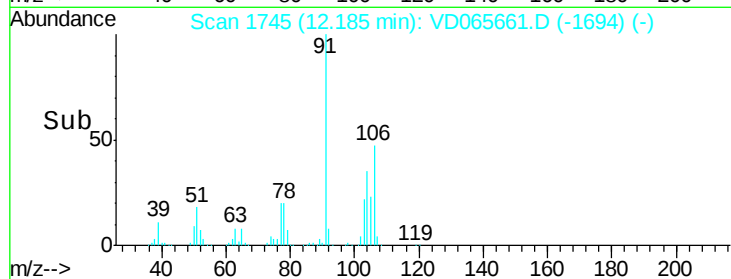
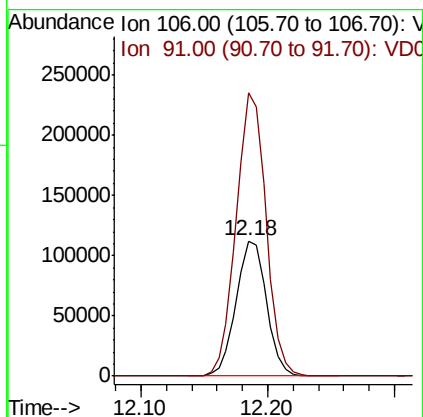
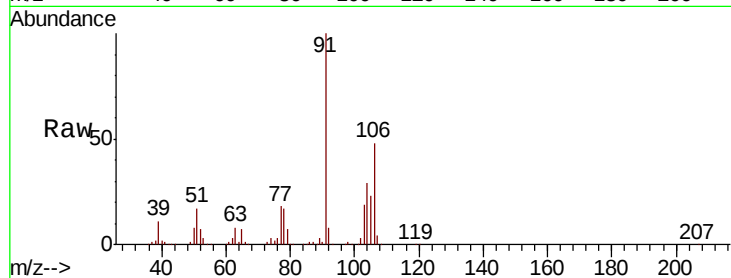




#69
o-Xylene
Concen: 50.563 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

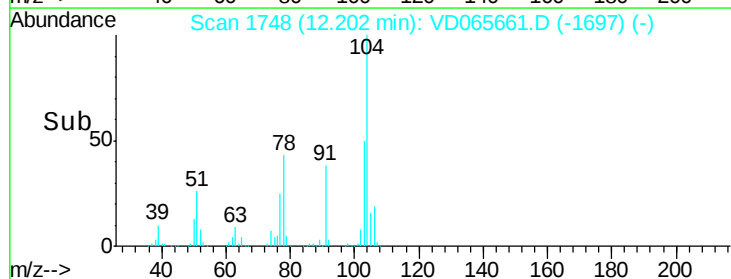
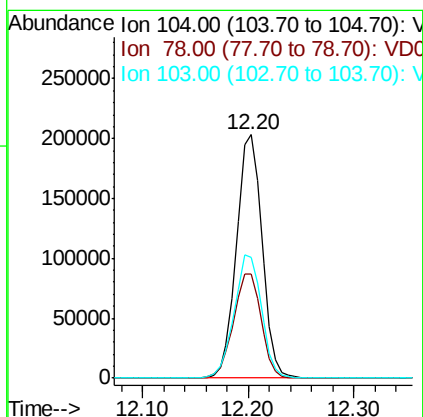
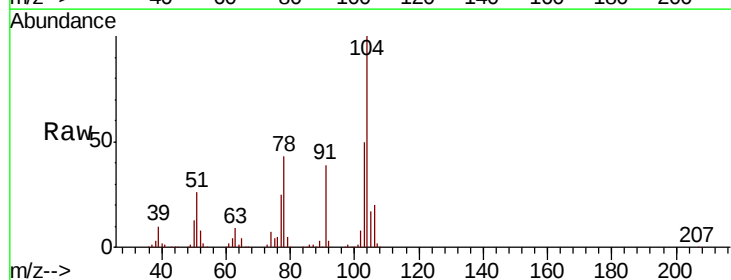
Instrument :
MSVOA_D
ClientSampleId :

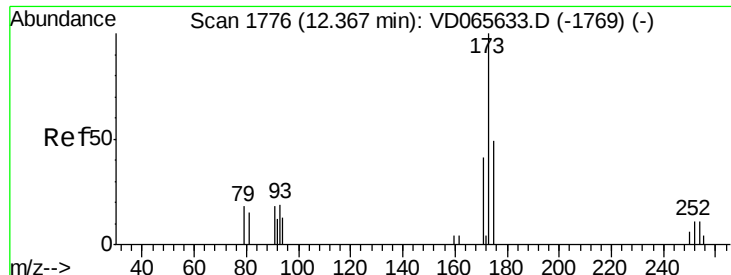
Tot Ion:106 Resp: 186849
Ion Ratio Lower Upper
106 100
91 206.3 103.6 310.9



#70
Styrene
Concen: 51.955 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:104 Resp: 339841
Ion Ratio Lower Upper
104 100
78 46.7 37.5 56.3
103 54.1 43.4 65.0





#71

Bromoform

Concen: 48.652 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampled :

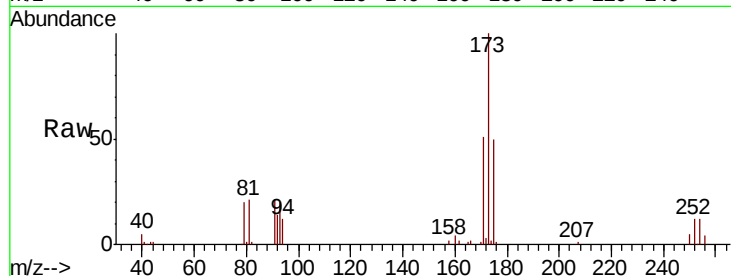
Tot Ion:173 Resp: 66661

Ion Ratio Lower Upper

173 100

175 49.0 25.1 75.2

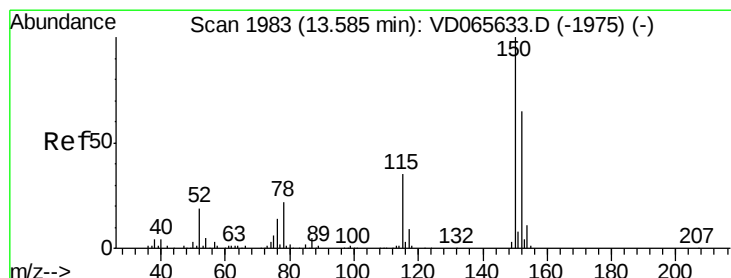
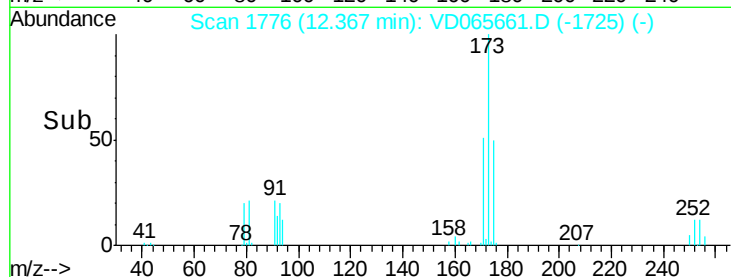
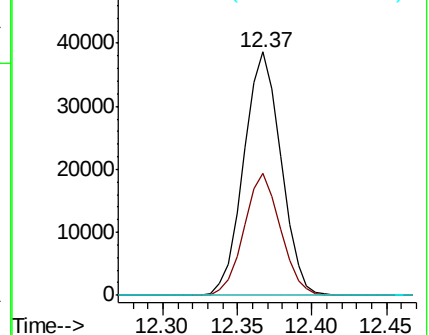
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

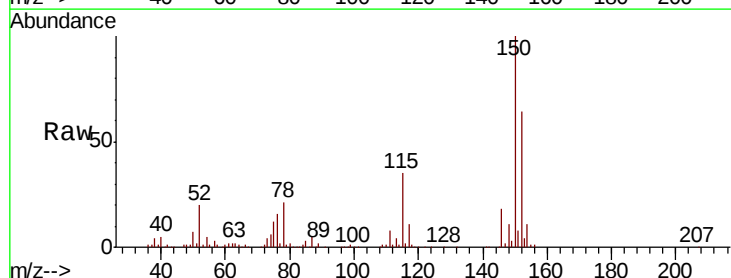
Tgt Ion:152 Resp: 165615

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.7

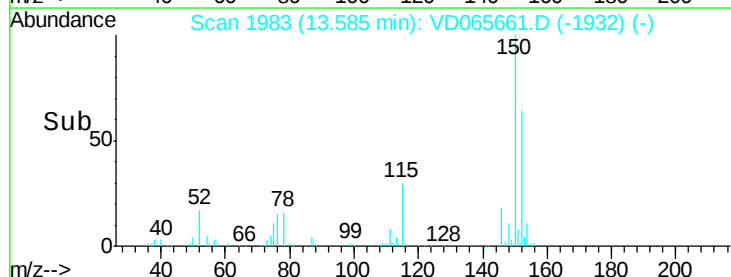
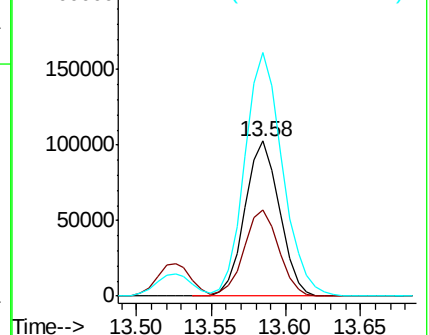
150 170.3 0.0 346.0

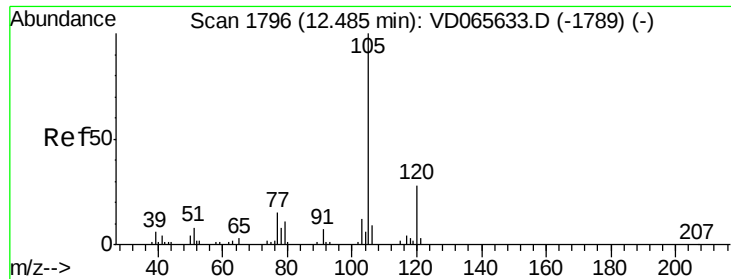


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

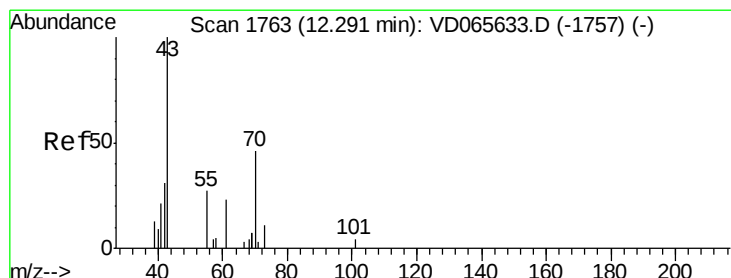
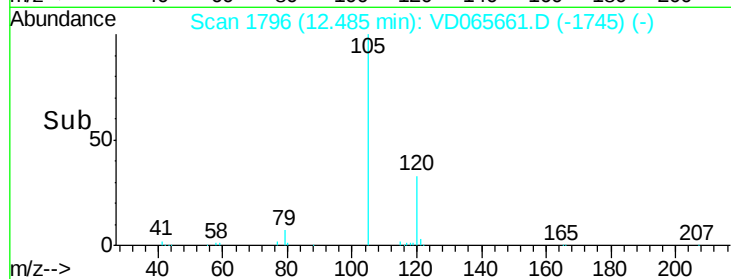
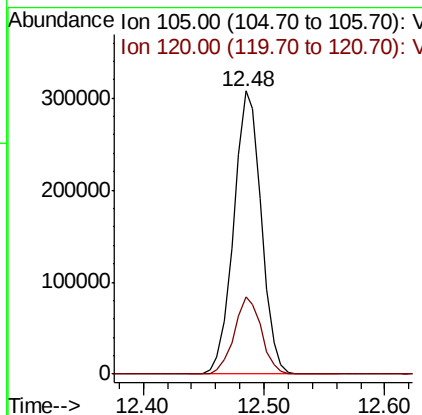
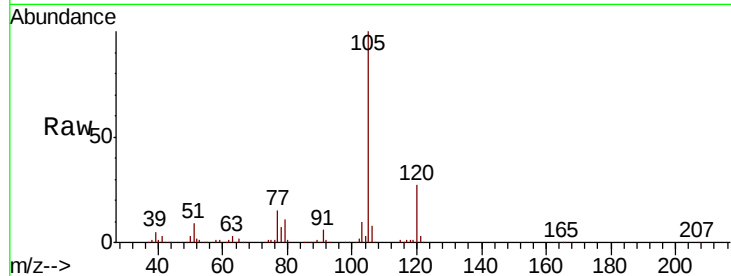




#73
Isopropylbenzene
Concen: 48.938 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

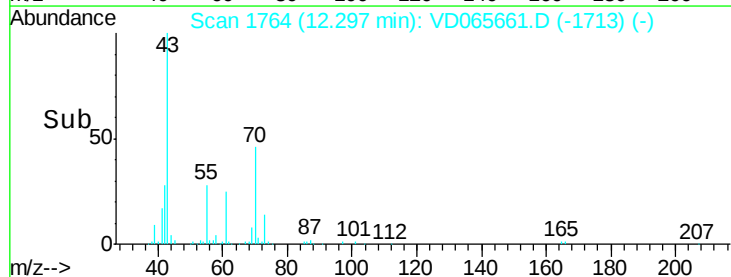
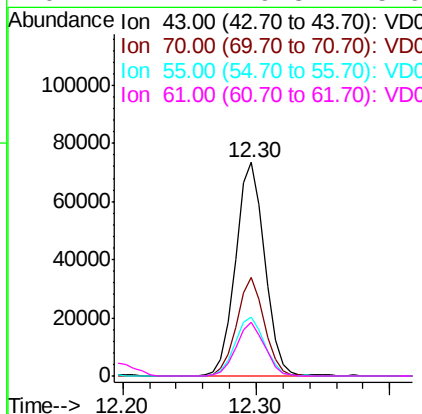
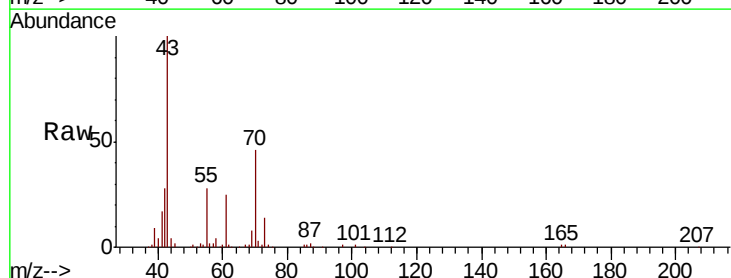
Instrument :
MSVOA_D
ClientSampleId :

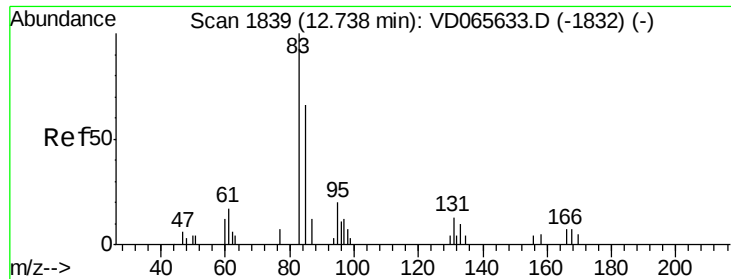
Tot Ion:105 Resp: 488827
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2



#74
N-ethyl acetate
Concen: 47.705 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 43 Resp: 111340
Ion Ratio Lower Upper
43 100
70 43.8 35.4 53.0
55 28.3 22.2 33.2
61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.903 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

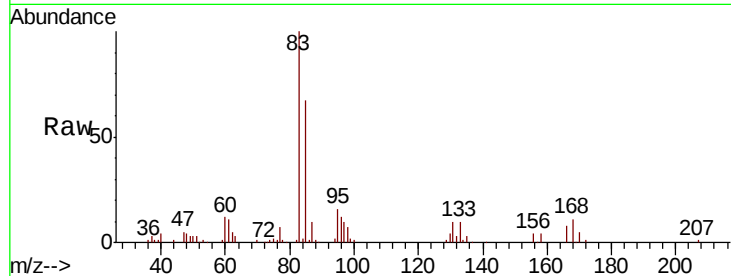
Tot Ion: 83 Resp: 86882

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

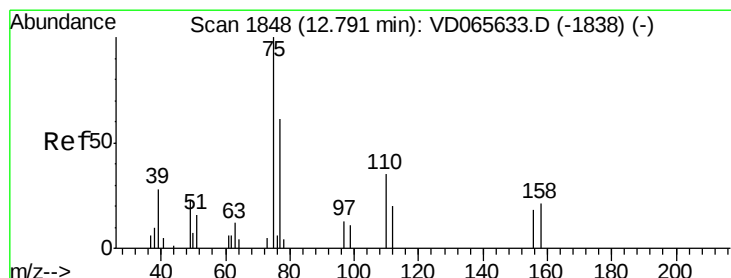
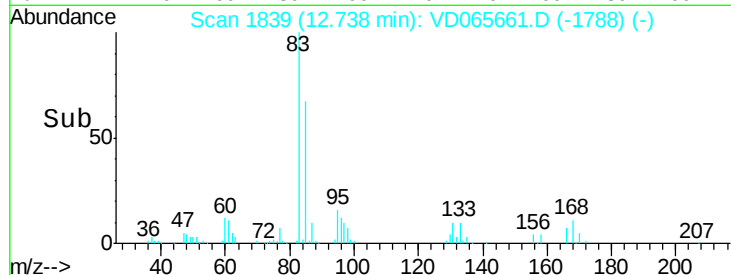
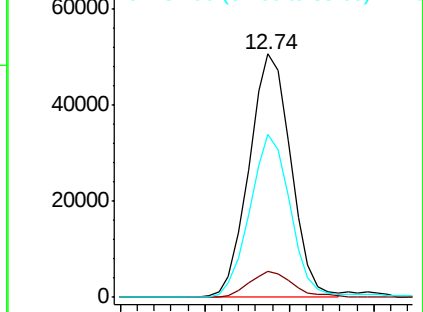
85 64.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.751 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065661.D

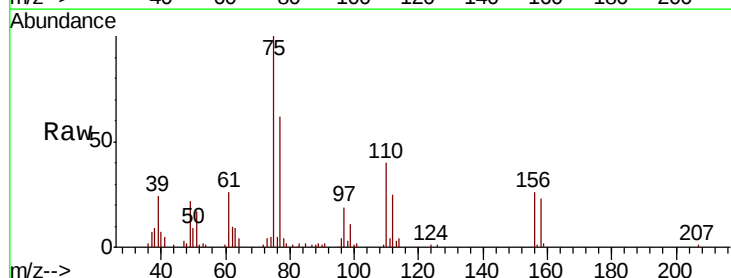
Acq: 17 Apr 2020 23:07

Tgt Ion: 75 Resp: 114186

Ion Ratio Lower Upper

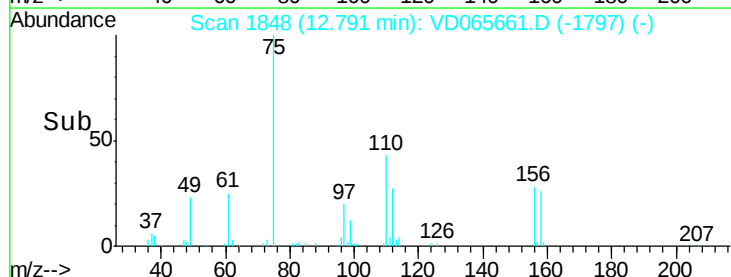
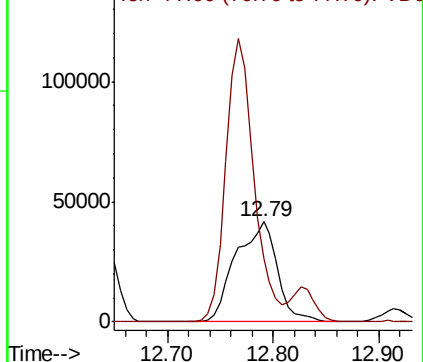
75 100

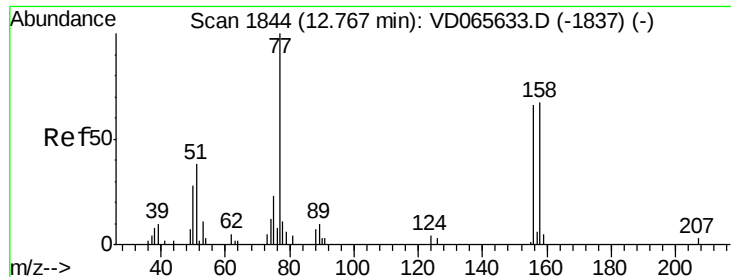
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.837 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampled :

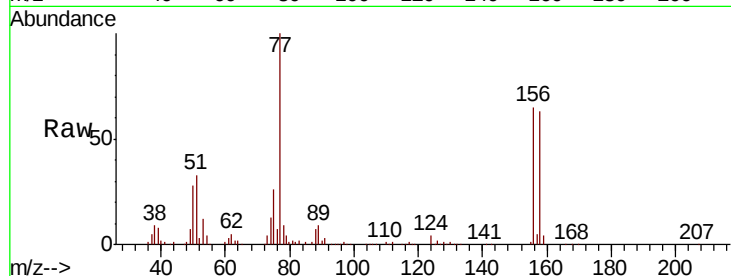
Tot Ion:156 Resp: 129542

Ion Ratio Lower Upper

156 100

77 167.9 84.7 254.1

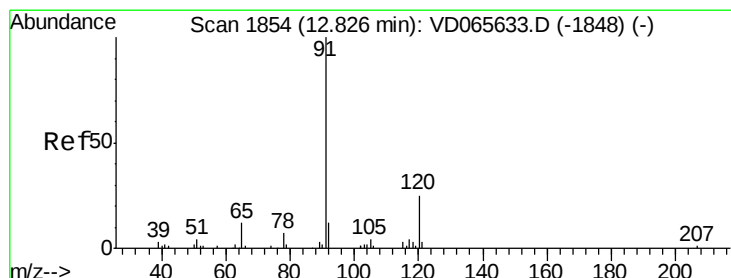
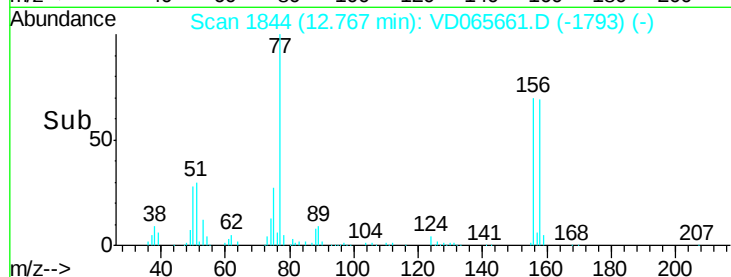
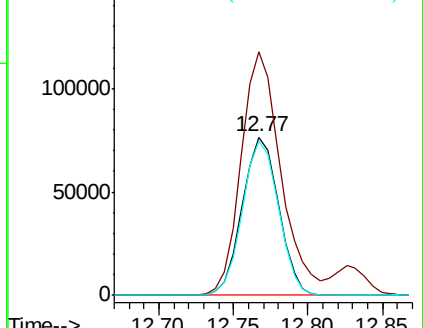
158 97.0 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.099 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065661.D

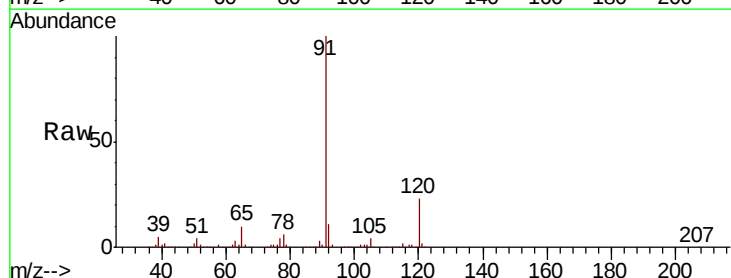
Acq: 17 Apr 2020 23:07

Tgt Ion: 91 Resp: 581209

Ion Ratio Lower Upper

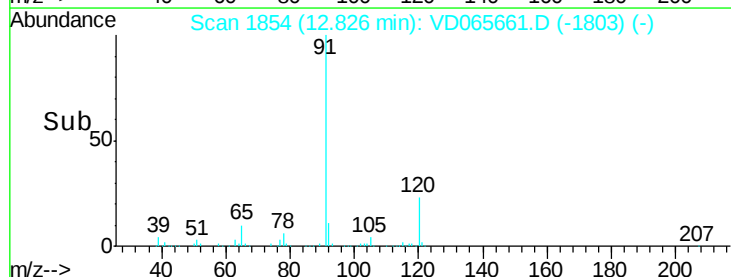
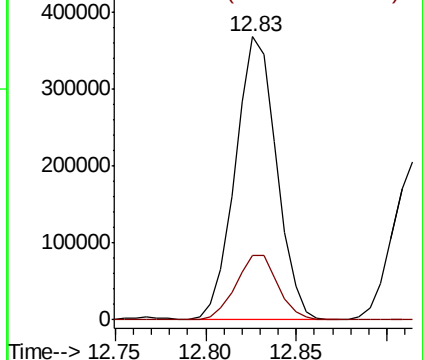
91 100

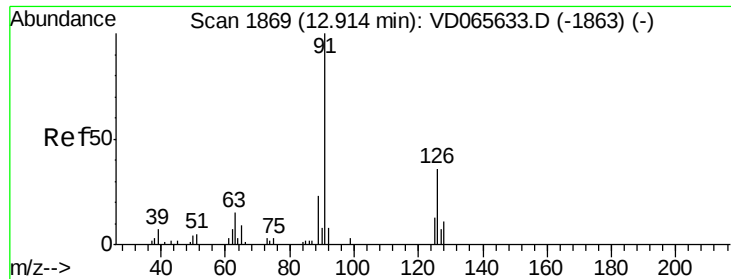
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

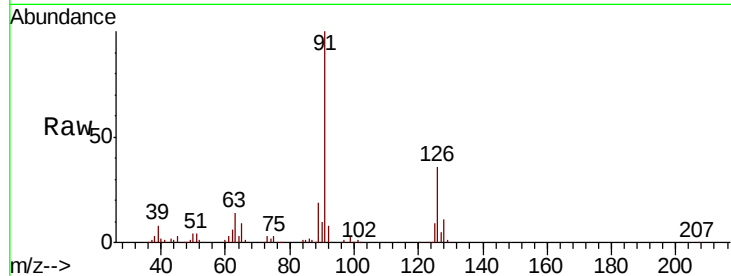




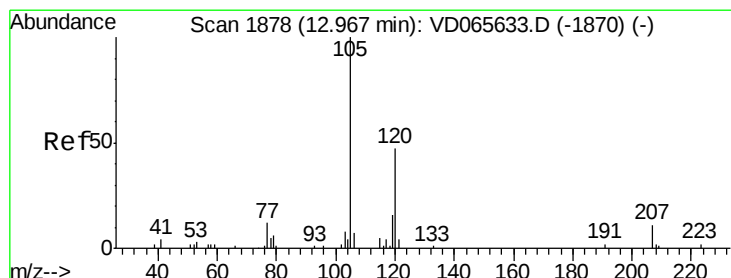
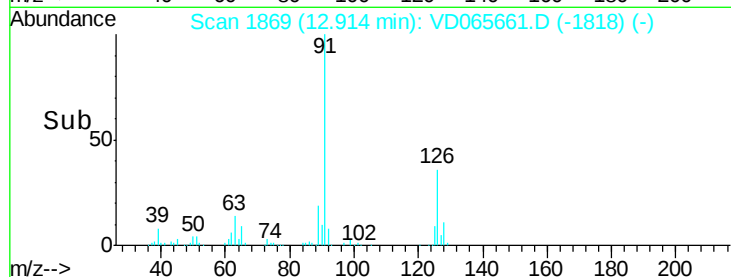
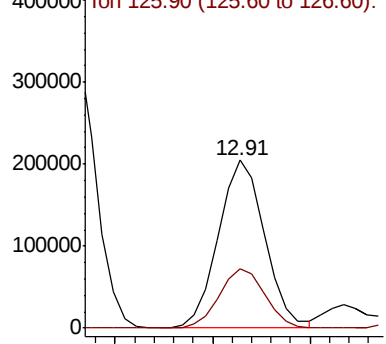
#79
2-Chlorotoluene
Concen: 49.118 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 337056
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3

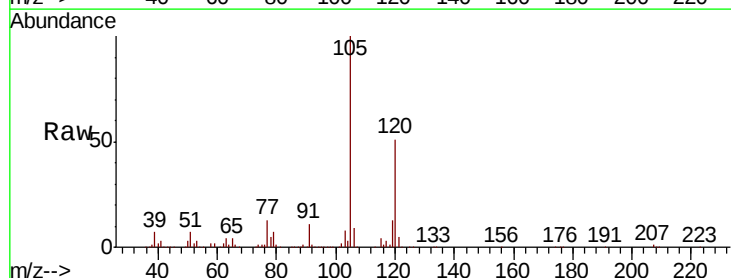


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

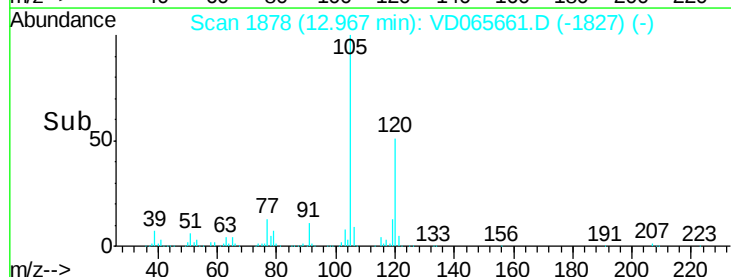
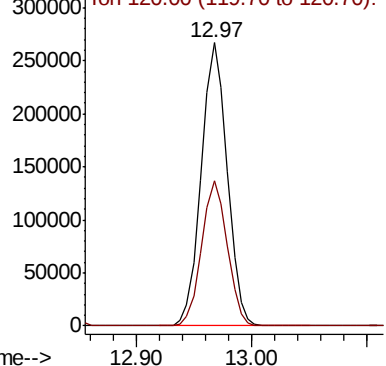


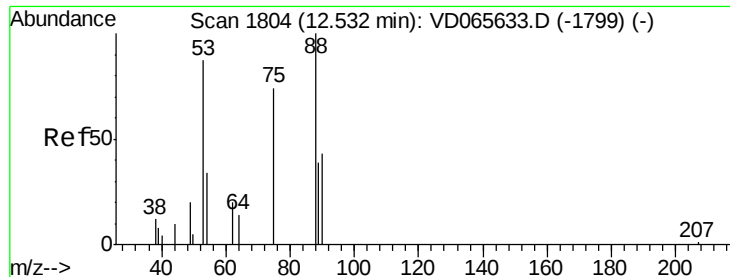
#80
1,3,5-Trimethylbenzene
Concen: 49.196 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:105 Resp: 414702
Ion Ratio Lower Upper
105 100
120 50.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.064 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

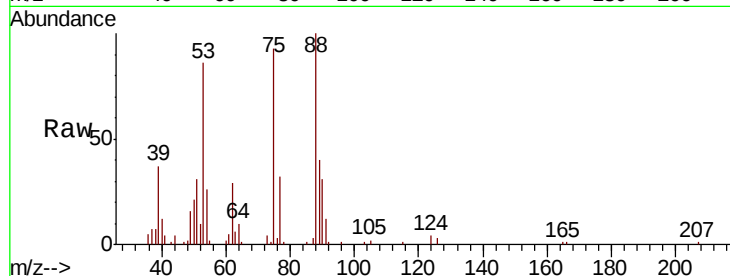
Tot Ion: 75 Resp: 29203

Ion Ratio Lower Upper

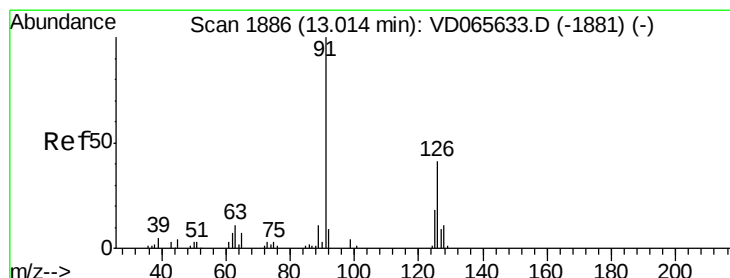
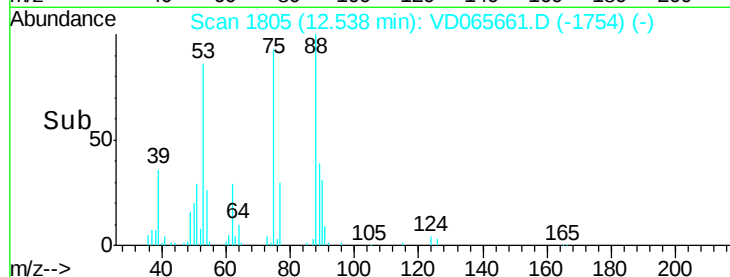
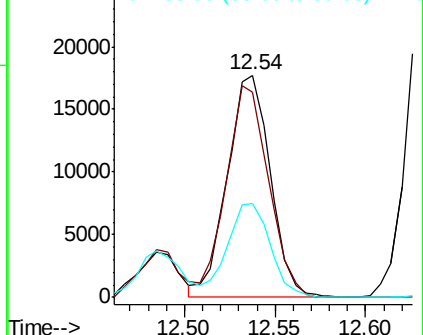
75 100

53 93.8 76.8 115.2

89 42.4 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.267 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065661.D

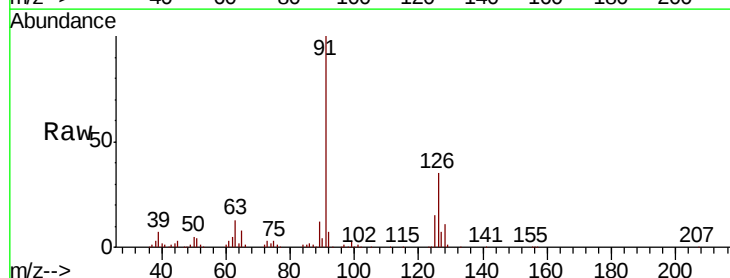
Acq: 17 Apr 2020 23:07

Tgt Ion: 91 Resp: 356419

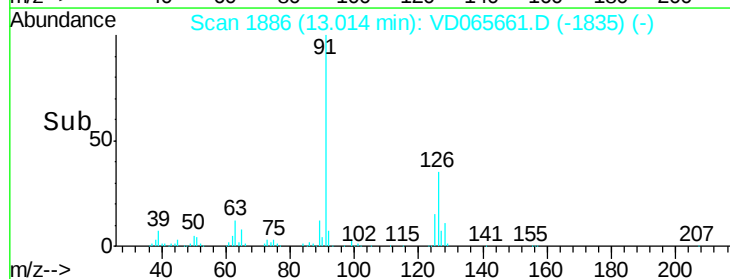
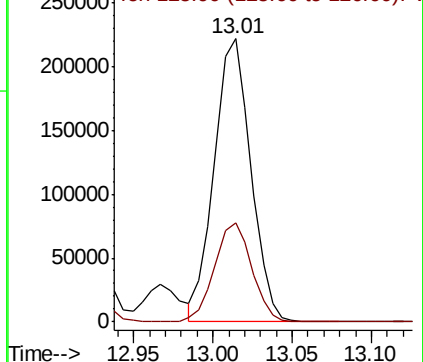
Ion Ratio Lower Upper

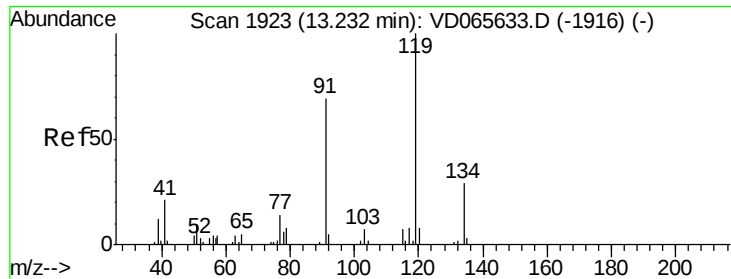
91 100

126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

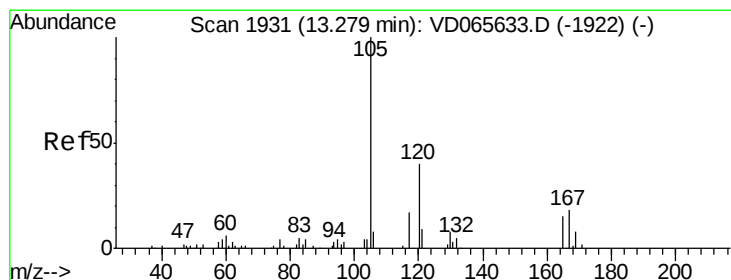
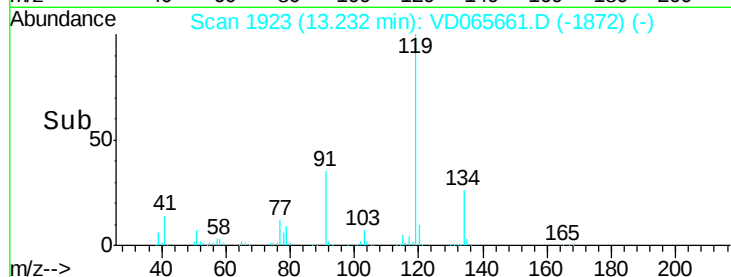
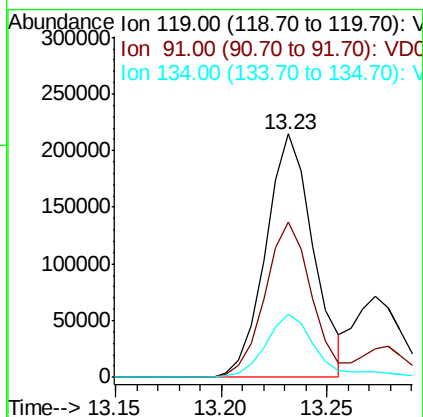
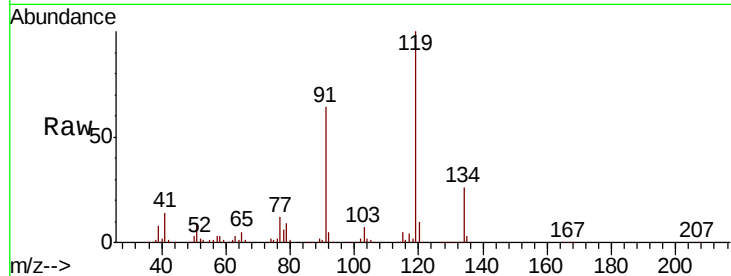




#83
tert-Butylbenzene
Concen: 47.459 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

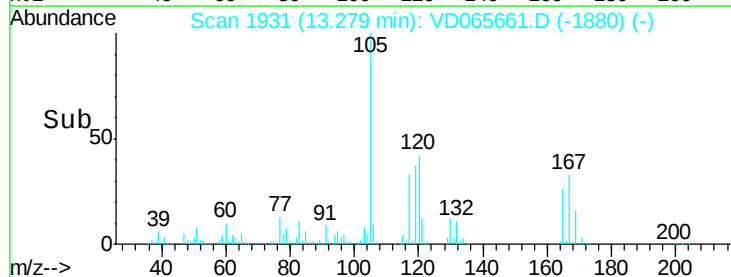
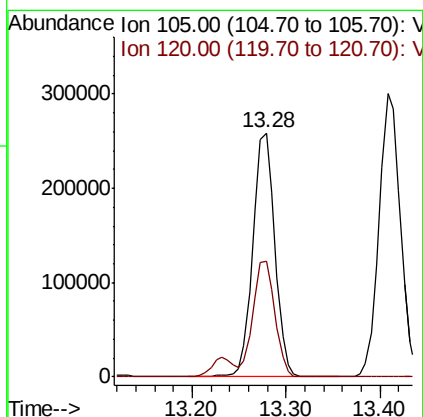
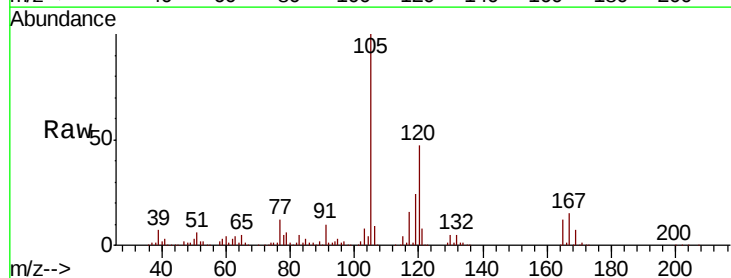
Instrument :
MSVOA_D
ClientSampleId :

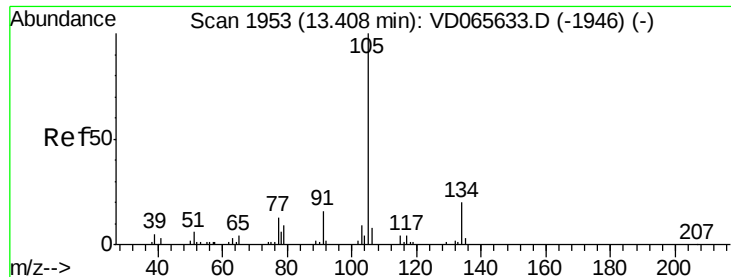
Tot Ion:119 Resp: 335427
Ion Ratio Lower Upper
119 100
91 63.6 31.7 95.1
134 27.7 14.0 41.9



#84
1,2,4-Trimethylbenzene
Concen: 49.957 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion:105 Resp: 419823
Ion Ratio Lower Upper
105 100
120 47.1 23.5 70.6





#85

sec-Butylbenzene

Concen: 46.563 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

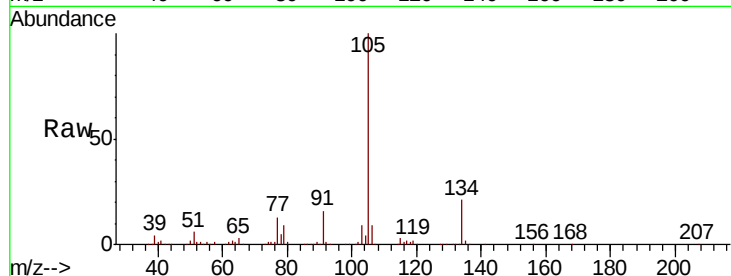
ClientSampleId :

Tot Ion:105 Resp: 470823

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

300000

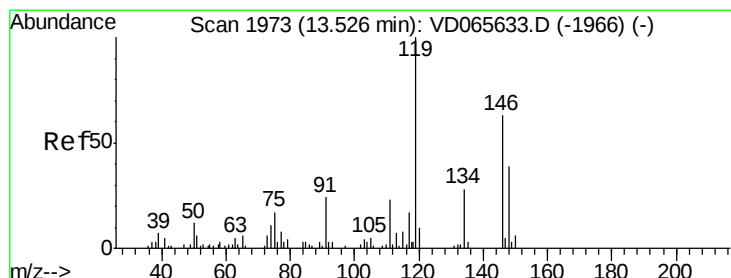
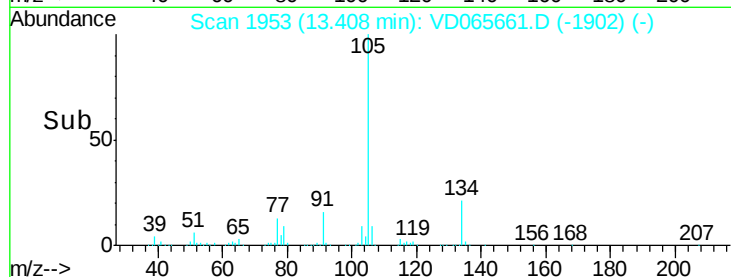
200000

100000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 47.537 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

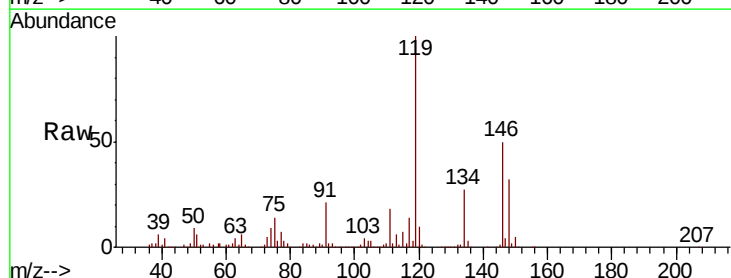
Tgt Ion:119 Resp: 451113

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

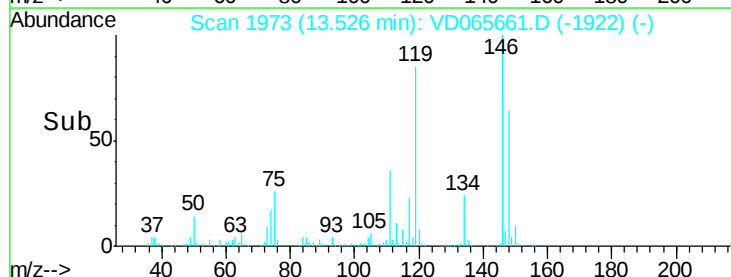
200000

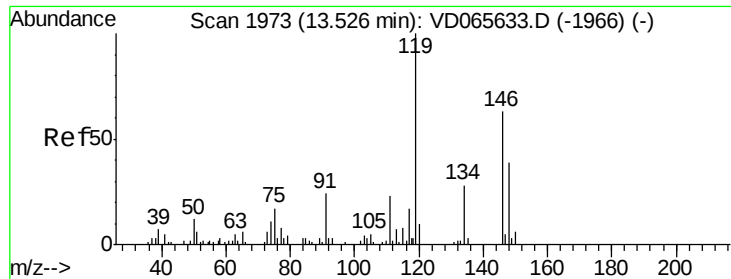
100000

0

13.50 13.60

Time-->

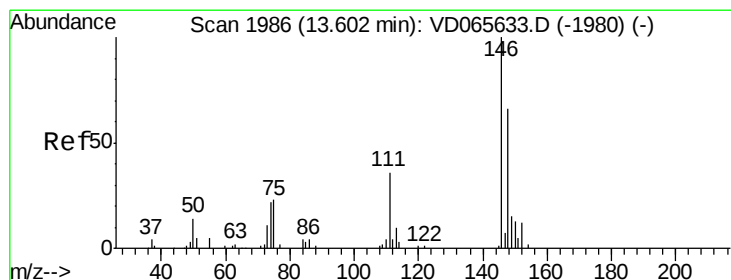
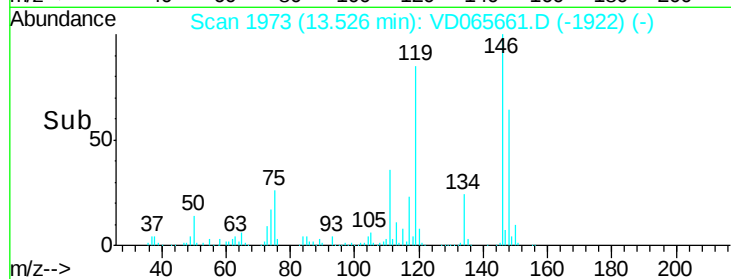
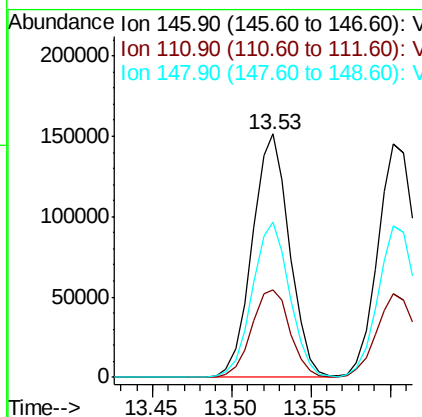
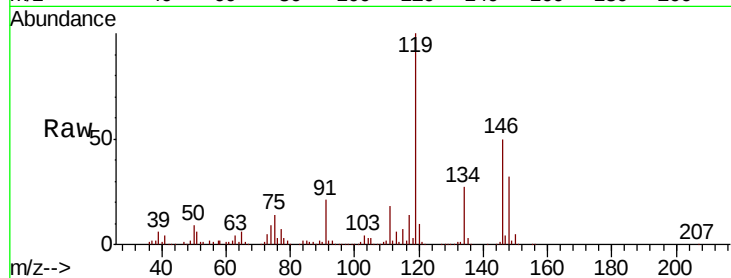




#87
 1,3-Dichlorobenzene
 Concen: 47.582 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

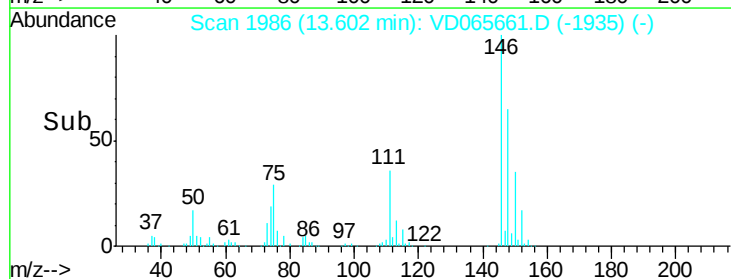
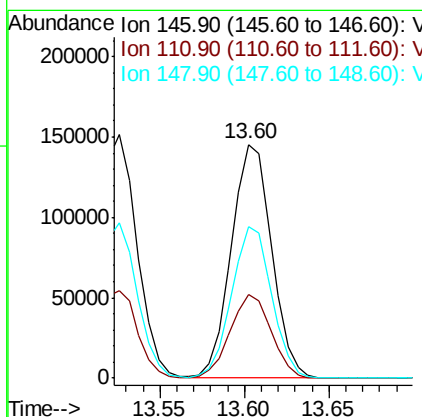
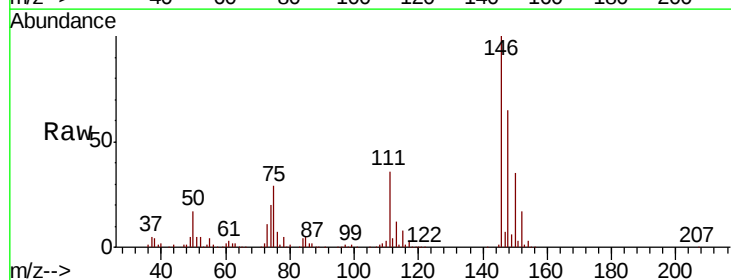
Instrument :
 MSVOA_D
 ClientSampleId :

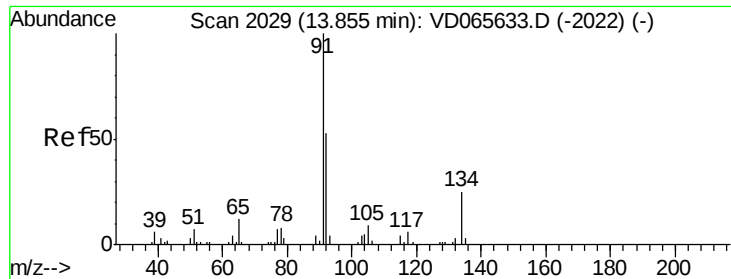
Tot Ion:146 Resp: 247118
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 46.765 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion:146 Resp: 241745
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.0 54.0
 148 64.4 31.4 94.2

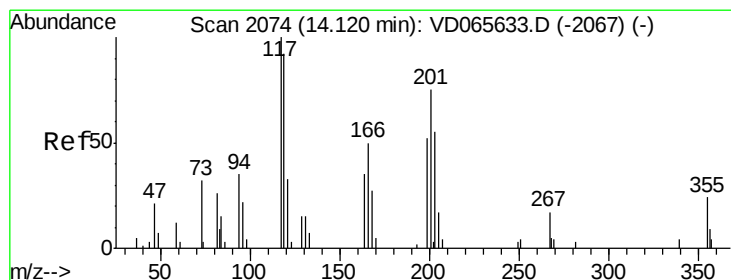
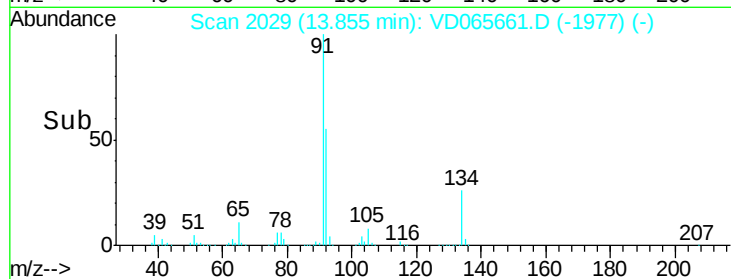
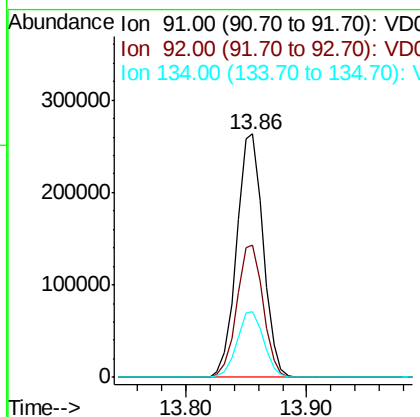
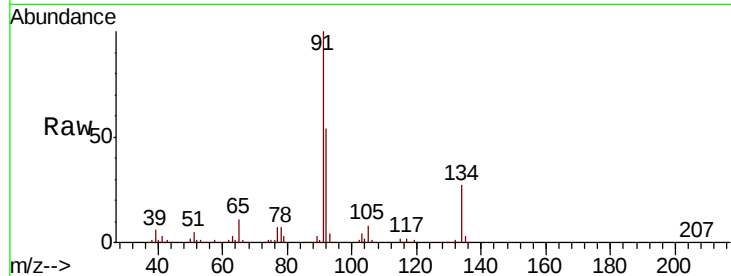




#89
n-Butylbenzene
Concen: 46.779 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

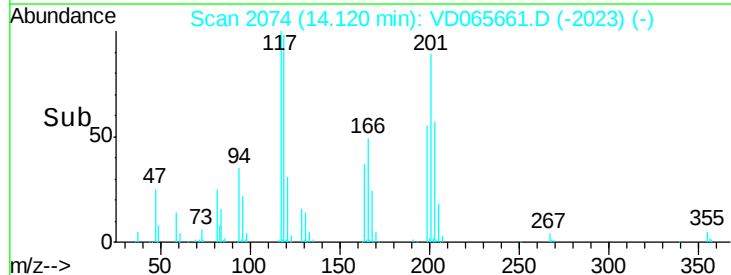
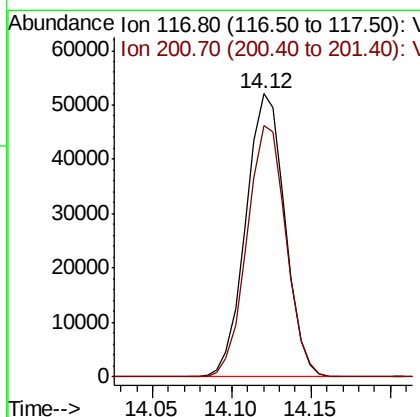
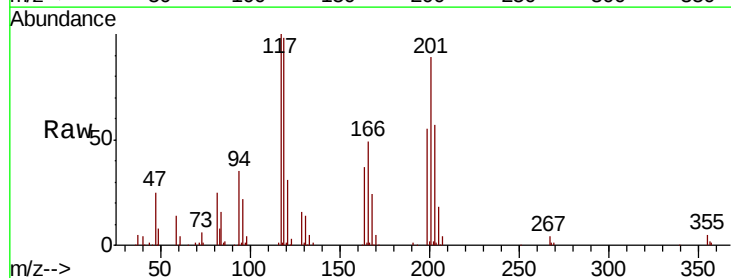
Instrument :
MSVOA_D
ClientSampleId :

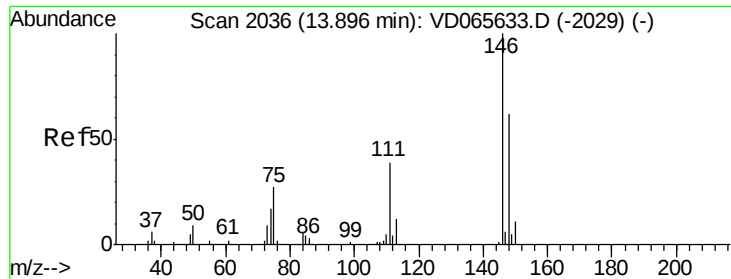
Tot Ion: 91 Resp: 402904
Ion Ratio Lower Upper
91 100
92 54.0 26.9 80.6
134 27.1 13.6 40.8



#90
Hexachloroethane
Concen: 44.853 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion: 117 Resp: 89264
Ion Ratio Lower Upper
117 100
201 88.8 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 48.155 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

Instrument :

MSVOA_D

ClientSampleId :

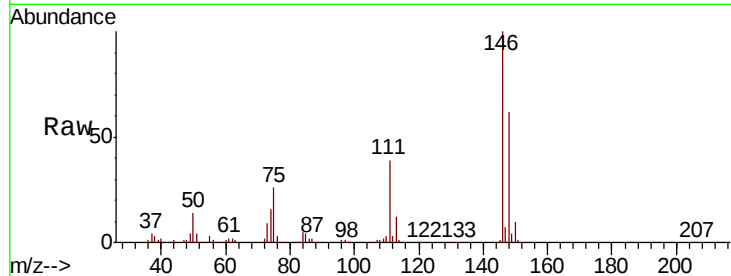
Tot Ion:146 Resp: 214439

Ion Ratio Lower Upper

146 100

111 39.0 19.3 57.9

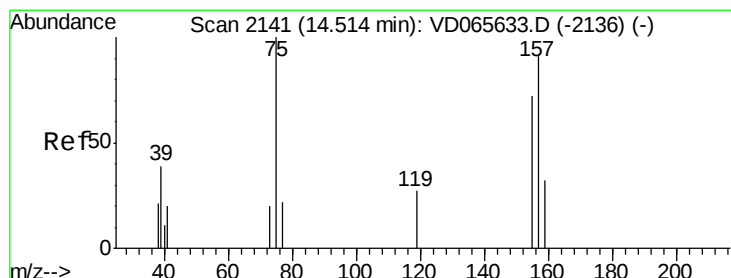
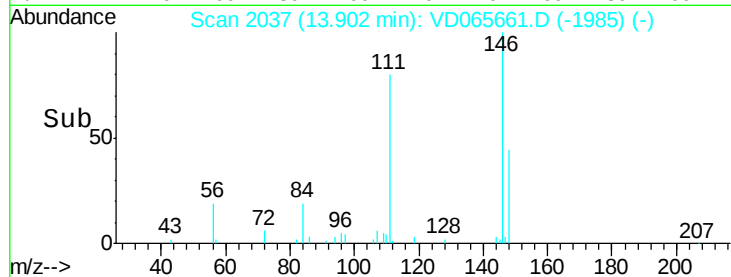
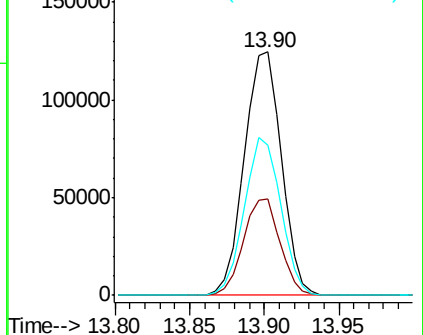
148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): 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: 50.057 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065661.D

Acq: 17 Apr 2020 23:07

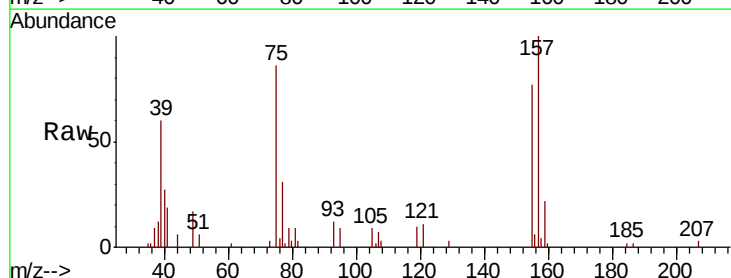
Tgt Ion: 75 Resp: 13730

Ion Ratio Lower Upper

75 100

155 91.4 48.0 144.2

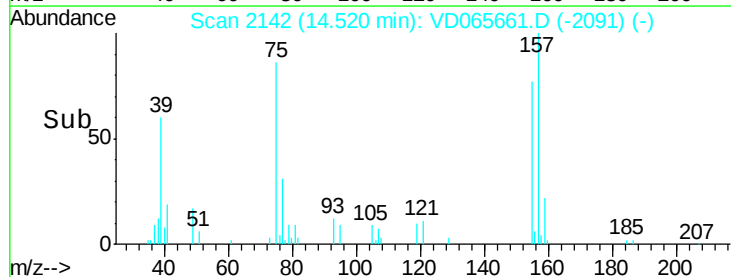
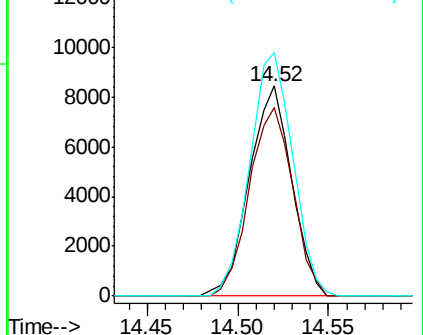
157 117.2 59.2 177.6

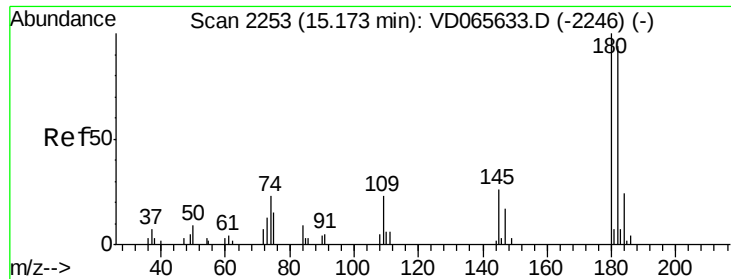


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

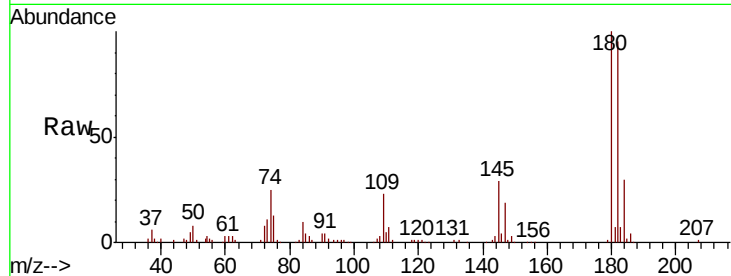




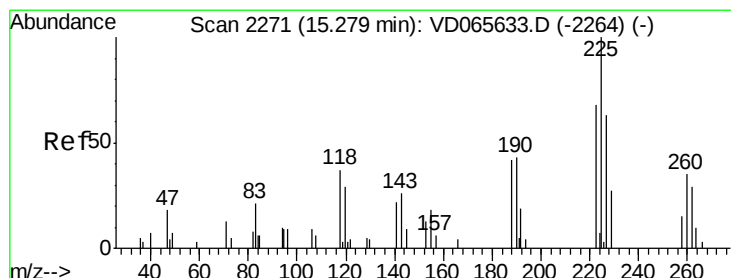
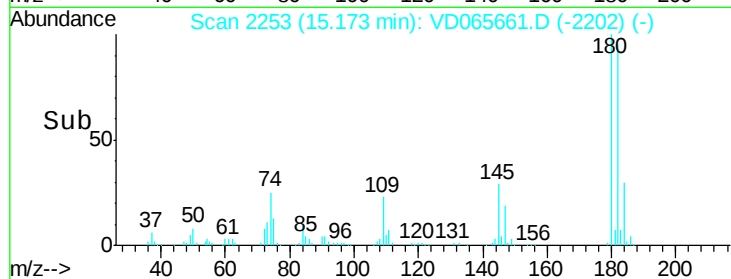
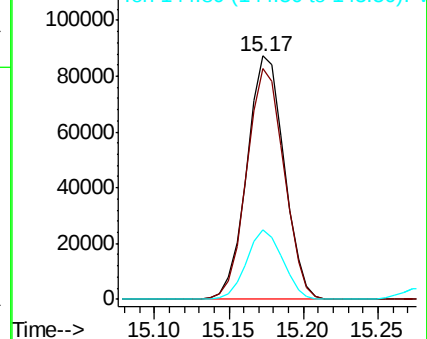
#93
 1,2,4-Trichlorobenzene
 Concen: 49.046 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.9	146.6
145	27.9	13.8	41.3

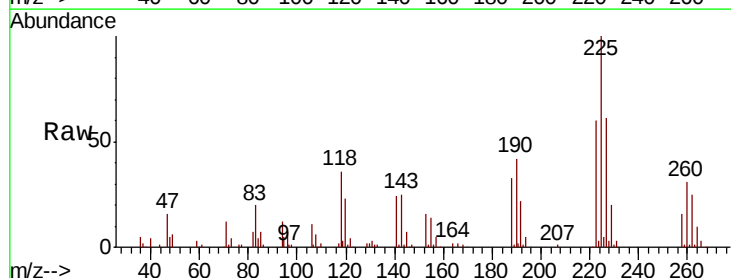


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

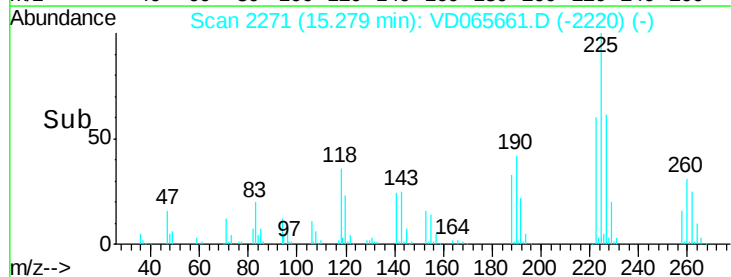
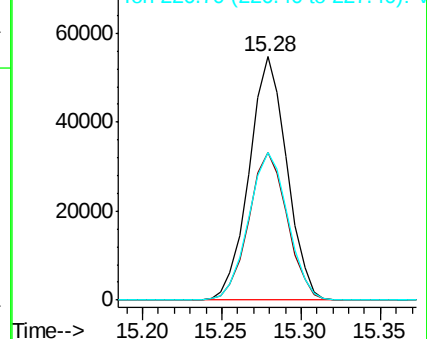


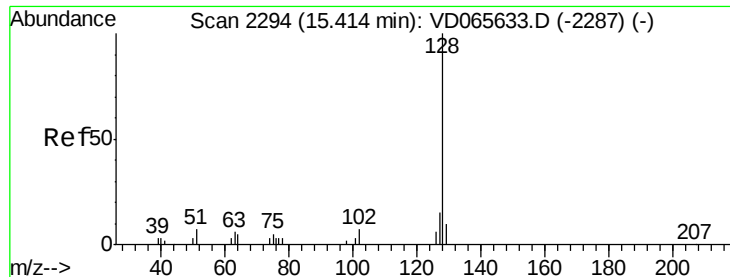
#94
 Hexachlorobutadiene
 Concen: 43.153 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065661.D
 Acq: 17 Apr 2020 23:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.5
227	63.1	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

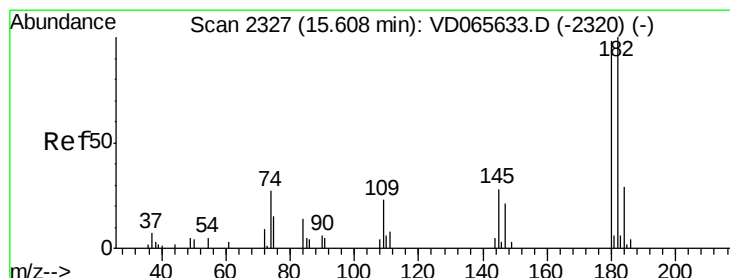
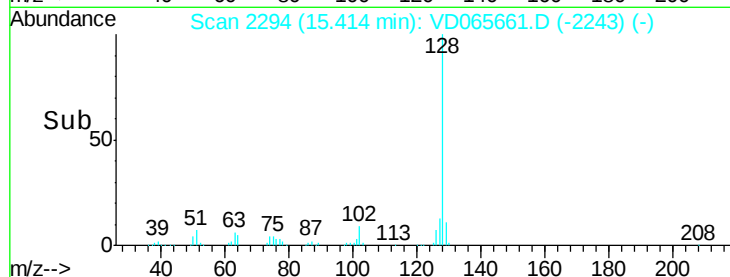
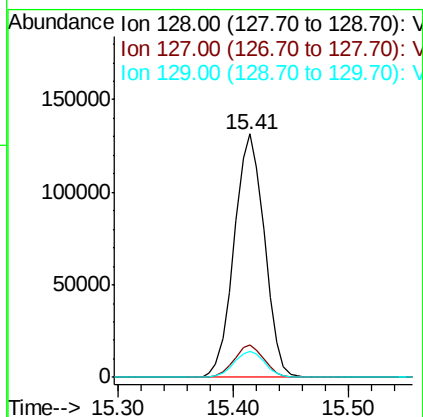
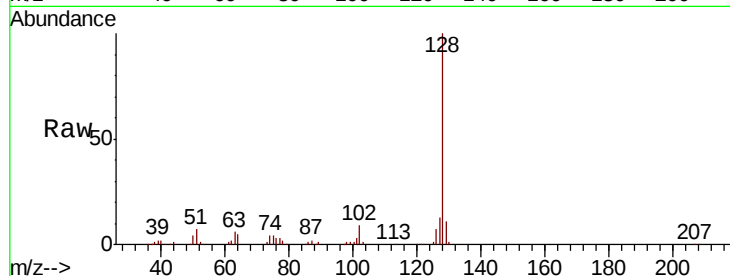




#95
Naphthalene
Concen: 45.806 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.913 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065661.D
Acq: 17 Apr 2020 23:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	30.3	15.0	45.0

