

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065269.D
 Acq On : 21 Feb 2020 12:17
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	670160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202583	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	7.92	113	212465	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	10.34	98	865077	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	265820	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75501	17.957	ug/l	97
3) Chloromethane	2.21	50	101131	18.898	ug/l	97
4) Vinyl Chloride	2.36	62	102443	18.825	ug/l	100
5) Bromomethane	2.77	94	62637	19.037	ug/l	95
6) Chloroethane	2.93	64	65144	19.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	148262	19.030	ug/l	97
8) Diethyl Ether	3.71	74	43615	18.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98282	19.976	ug/l	99
10) Methyl Iodide	4.30	142	94009	18.403	ug/l	99
11) Tert butyl alcohol	5.24	59	25812	95.786	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	90763	19.529	ug/l	98
13) Acrolein	3.93	56	35516	88.724	ug/l	100
14) Allyl chloride	4.72	41	142176	18.838	ug/l	99
15) Acrylonitrile	5.44	53	91863	88.229	ug/l	99
16) Acetone	4.16	43	91773	83.251	ug/l	98
17) Carbon Disulfide	4.40	76	298535	19.159	ug/l	98
18) Methyl Acetate	4.73	43	44178	17.819	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	167063	17.237	ug/l	99
20) Methylene Chloride	4.97	84	111251	19.895	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	103512	19.591	ug/l	99
22) Diisopropyl ether	6.37	45	275846	18.959	ug/l	98
23) Vinyl Acetate	6.31	43	682572	85.096	ug/l	100
24) 1,1-Dichloroethane	6.27	63	177073	19.621	ug/l	98
25) 2-Butanone	7.23	43	113818	81.605	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153086	19.551	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107851	19.271	ug/l	98
28) Bromochloromethane	7.55	49	56247	16.800	ug/l	99
29) Tetrahydrofuran	7.57	42	69075	84.526	ug/l	99
30) Chloroform	7.71	83	171456	18.858	ug/l	100
31) Cyclohexane	7.98	56	170215	19.197	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158352	19.466	ug/l	100
36) 1,1-Dichloropropene	8.11	75	144725	19.676	ug/l	99
37) Ethyl Acetate	7.30	43	50591	16.453	ug/l	97
38) Carbon Tetrachloride	8.10	117	149408	19.954	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167488	19.369	ug/l	96
40) Benzene	8.36	78	399735	19.254	ug/l	98
41) Methacrylonitrile	7.53	41	31816	17.920	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	102282	17.921	ug/l	98
43) Isopropyl Acetate	8.46	43	93396	16.703	ug/l	97
44) Trichloroethene	9.11	130	114554	19.905	ug/l	94
45) 1,2-Dichloropropane	9.39	63	98542	19.088	ug/l	100
46) Dibromomethane	9.48	93	47949	18.052	ug/l	98
47) Bromodichloromethane	9.67	83	128019	18.289	ug/l	99
48) Methyl methacrylate	9.46	41	48167	18.636	ug/l	94
49) 1,4-Dioxane	9.47	88	9894	317.595	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	236092	83.130	ug/l	99
52) Toluene	10.41	92	255421	19.876	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115641	17.823	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	146097	18.647	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	66929	17.902	ug/l	97
56) Ethyl methacrylate	10.67	69	72574	16.818	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116393	18.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	115362	84.798	ug/l	100
59) 2-Hexanone	10.99	43	163446	80.396	ug/l	100
60) Dibromochloromethane	11.14	129	88566	18.509	ug/l	100
61) 1,2-Dibromoethane	11.25	107	62307	17.602	ug/l	98
64) Tetrachloroethene	10.88	164	97516	20.517	ug/l	97
65) Chlorobenzene	11.67	112	263672	19.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	95207	18.971	ug/l	97
67) Ethyl Benzene	11.75	91	470305	19.967	ug/l	100
68) m/p-Xylenes	11.86	106	361882	40.158	ug/l	98
69) o-Xylene	12.18	106	157448	19.721	ug/l	99
70) Styrene	12.20	104	282397	19.923	ug/l	99
71) Bromoform	12.37	173	49602	17.811	ug/l #	100
73) Isopropylbenzene	12.48	105	441367	20.464	ug/l	100
74) N-amyl acetate	12.30	43	79595	16.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71074	18.259	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90921	32.803	ug/l #	100
77) Bromobenzene	12.77	156	103523	19.330	ug/l	98
78) n-propylbenzene	12.83	91	539045	20.798	ug/l	99
79) 2-Chlorotoluene	12.91	91	294756	20.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	369808	20.818	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22298	17.370	ug/l	97
82) 4-Chlorotoluene	13.01	91	313637	20.347	ug/l	99
83) tert-Butylbenzene	13.23	119	297532	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364146	20.481	ug/l	98
85) sec-Butylbenzene	13.41	105	437064	20.373	ug/l	100
86) p-Isopropyltoluene	13.53	119	401473	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	200542	19.369	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	202046	19.773	ug/l	98
89) n-Butylbenzene	13.86	91	373035	20.634	ug/l	99
90) Hexachloroethane	14.12	117	79096	19.856	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	169944	19.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9820	16.371	ug/l	91

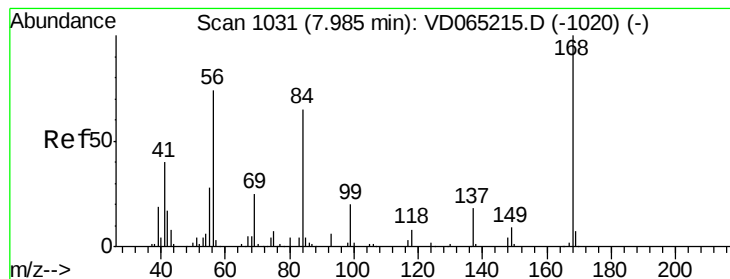
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022120\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112014	19.263	ug/l	97
94) Hexachlorobutadiene	15.28	225	75543	20.251	ug/l	98
95) Naphthalene	15.41	128	162952	17.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95846	18.872	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

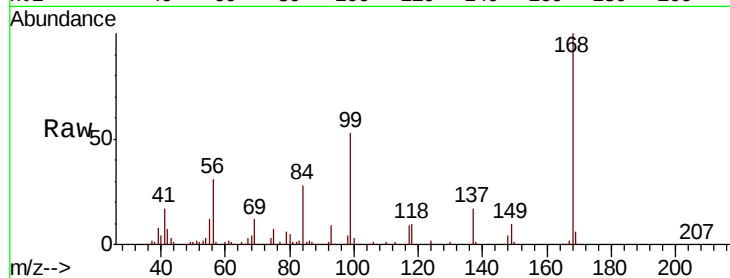
ClientSampleId :

Tot Ion:168 Resp: 501285

Ion Ratio Lower Upper

168 100

99 52.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

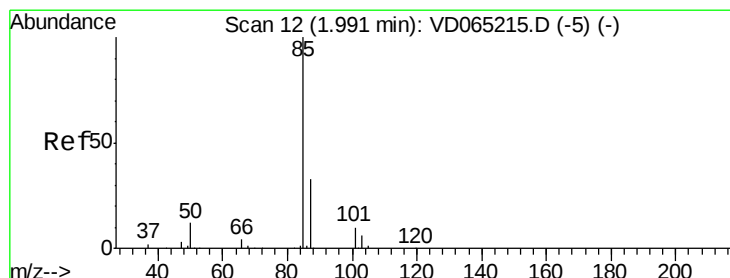
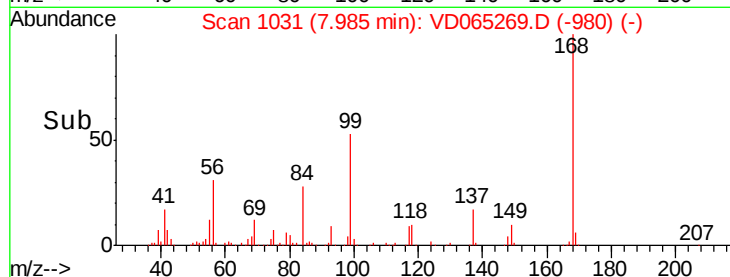
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.957 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065269.D

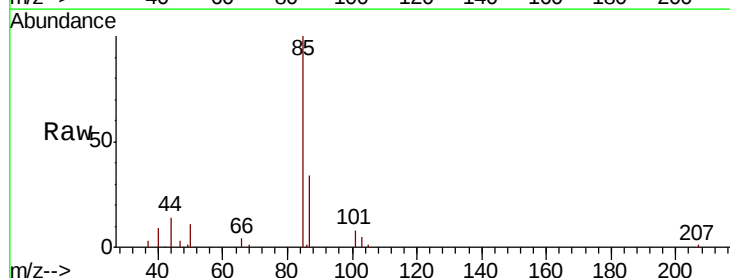
Acq: 21 Feb 2020 12:17

Tgt Ion: 85 Resp: 75501

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

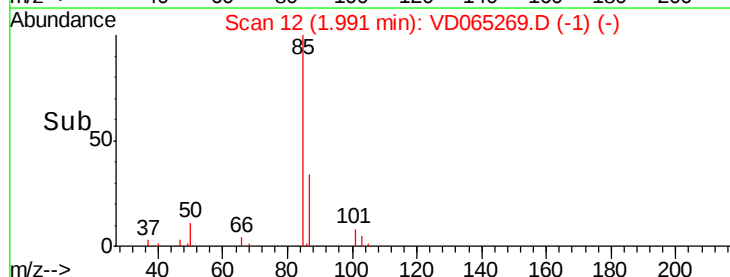
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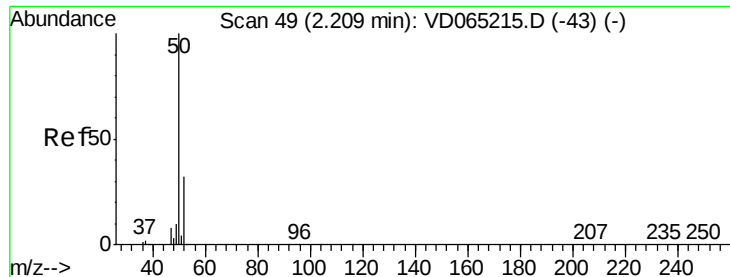
0

1.99

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.898 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

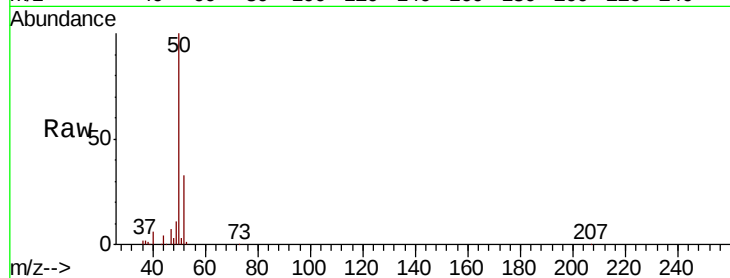
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 101131

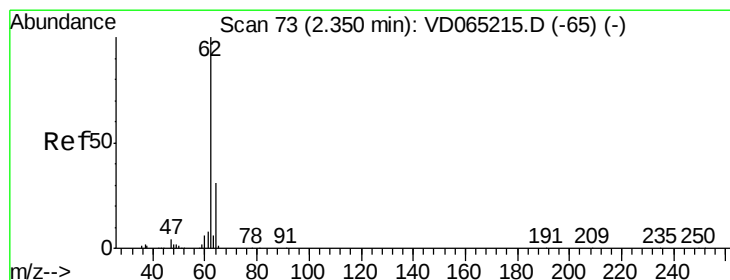
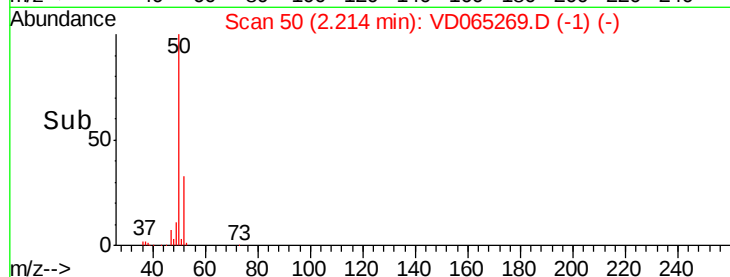
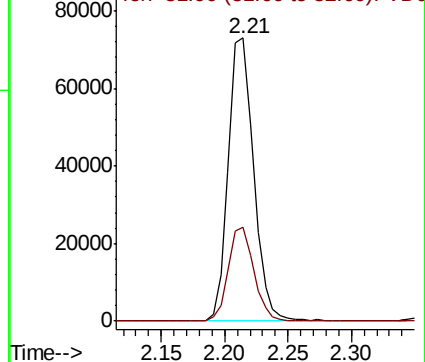
Ion Ratio Lower Upper

50 100

52 33.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065269.D

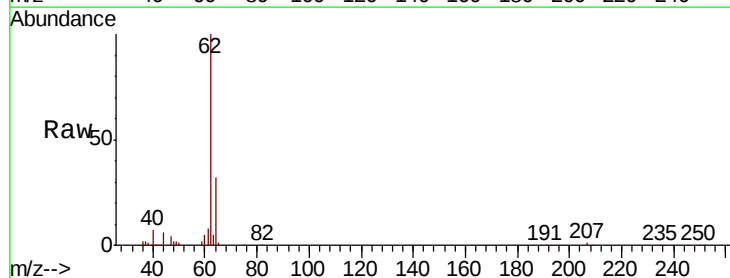
Acq: 21 Feb 2020 12:17

Tgt Ion: 62 Resp: 102443

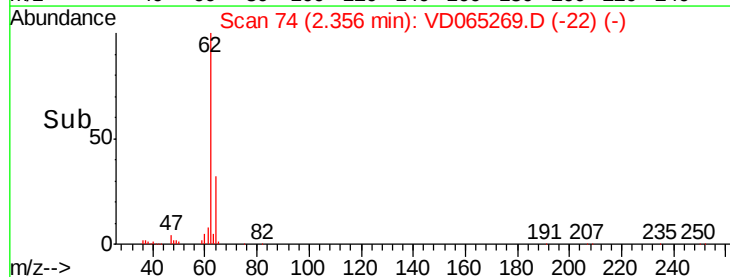
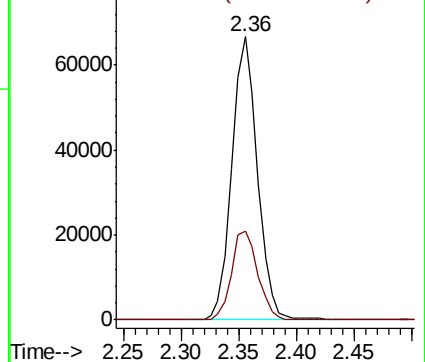
Ion Ratio Lower Upper

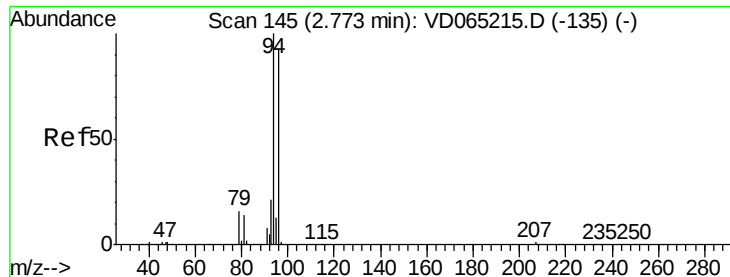
62 100

64 31.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.037 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

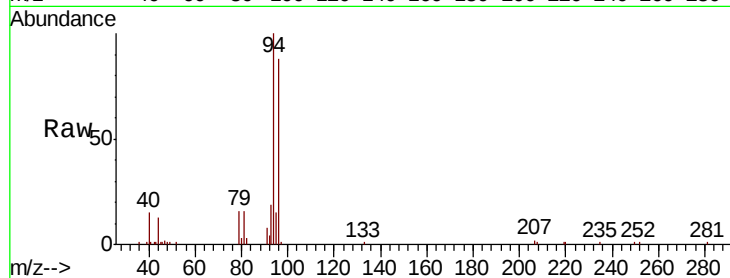
ClientSampleId :

Tot Ion: 94 Resp: 62637

Ion Ratio Lower Upper

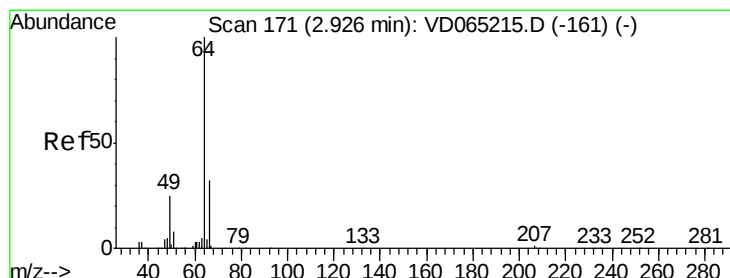
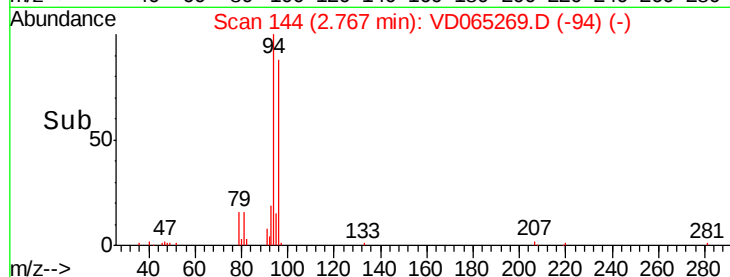
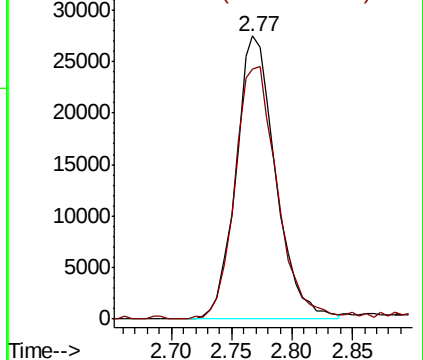
94 100

96 88.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.612 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065269.D

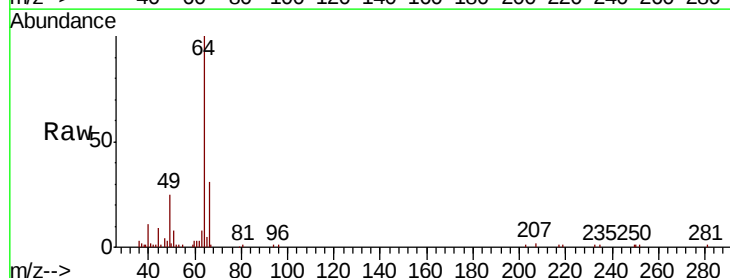
Acq: 21 Feb 2020 12:17

Tgt Ion: 64 Resp: 65144

Ion Ratio Lower Upper

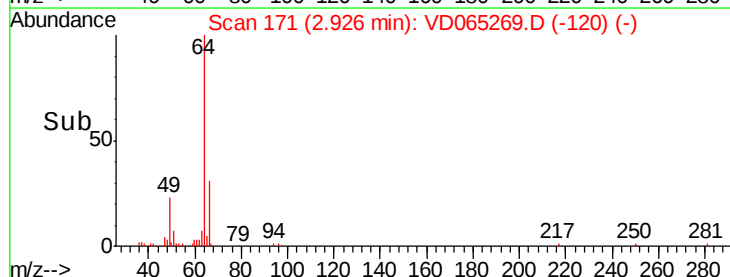
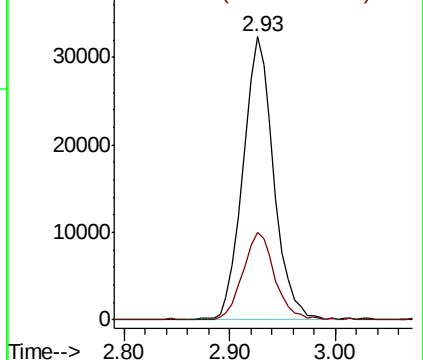
64 100

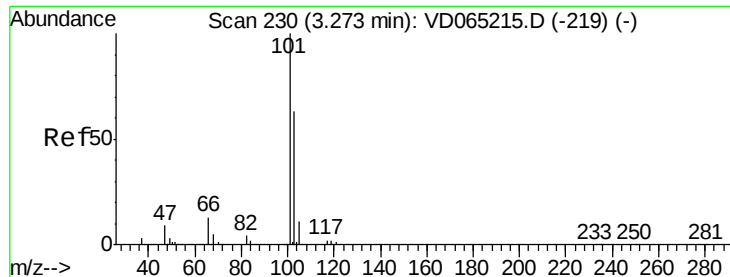
66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



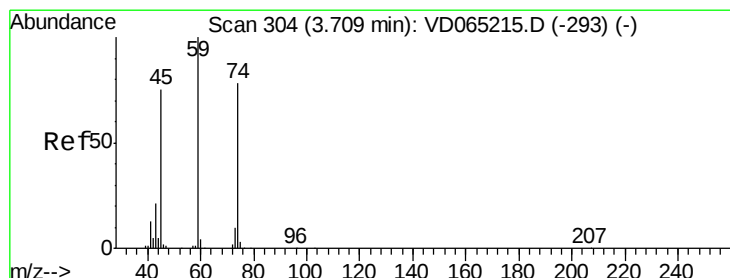
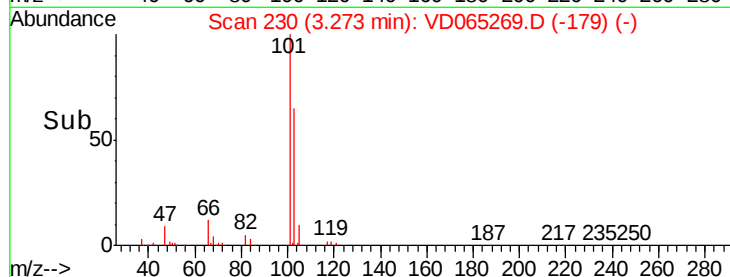
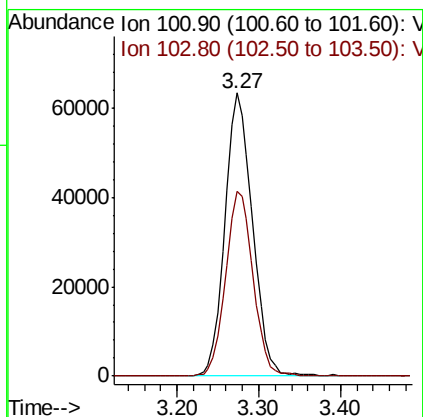
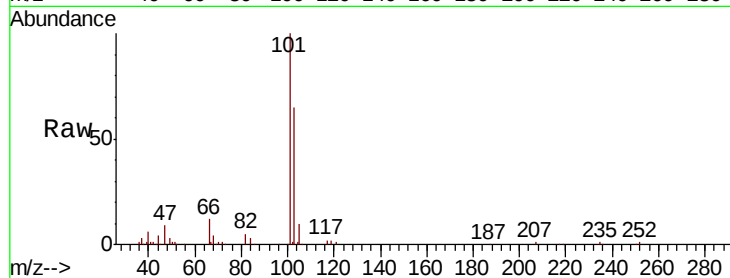


#7

Trichlorofluoromethane
 Concen: 19.030 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :

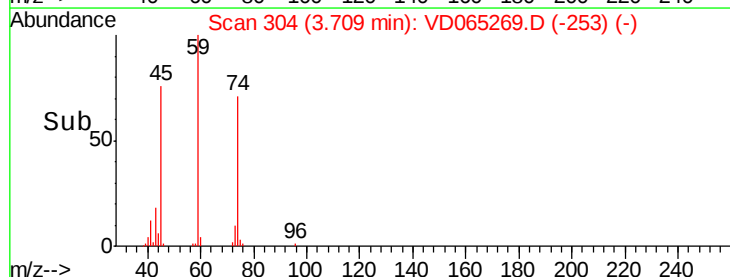
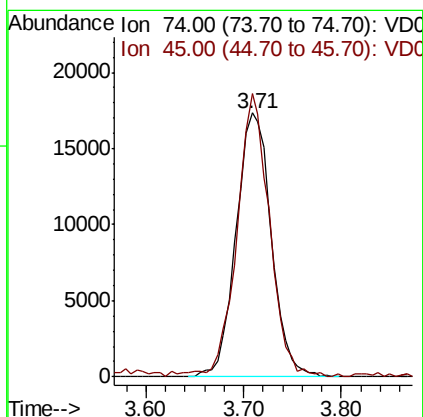
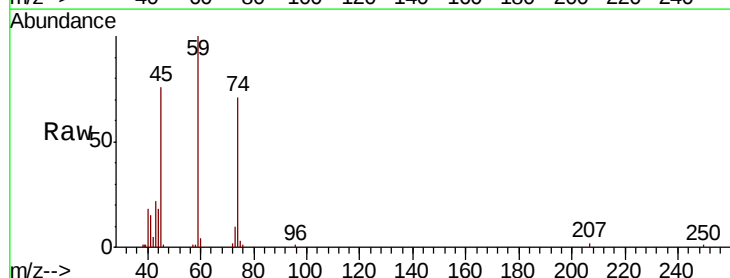
Tot Ion:101 Resp: 148262
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.7 76.1

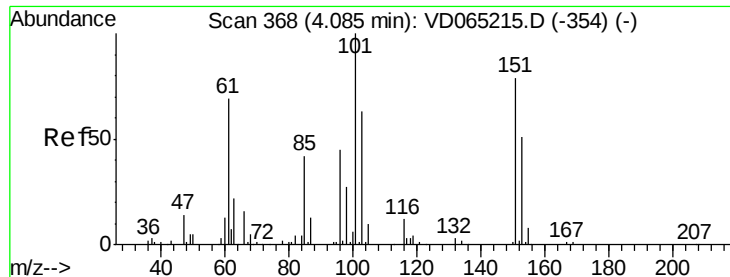


#8

Diethyl Ether
 Concen: 18.546 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion: 74 Resp: 43615
 Ion Ratio Lower Upper
 74 100
 45 100.6 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.976 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

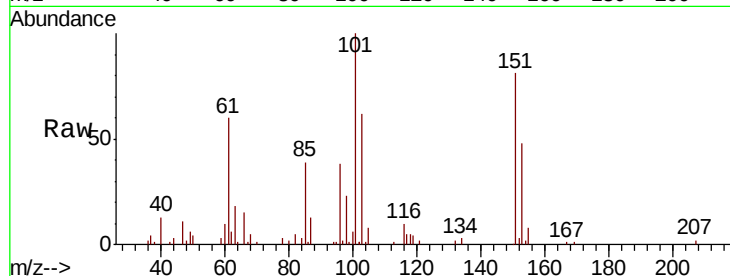
Tot Ion:101 Resp: 98282

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.2

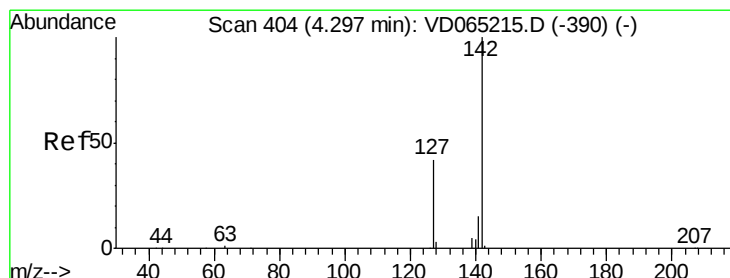
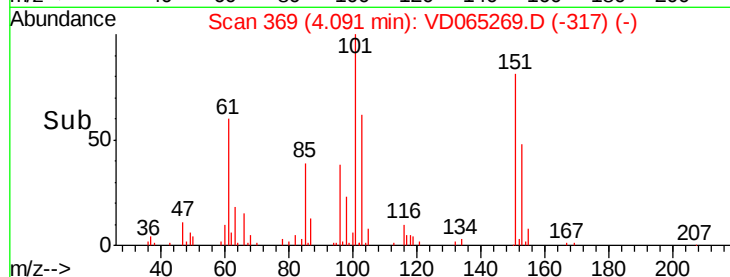
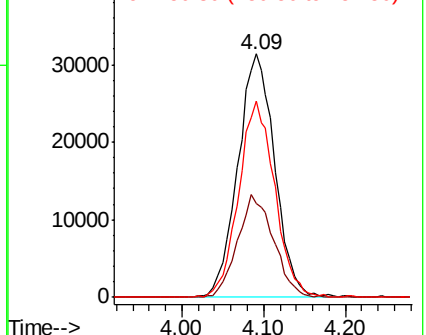
151 78.8 63.5 95.3



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: 18.403 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

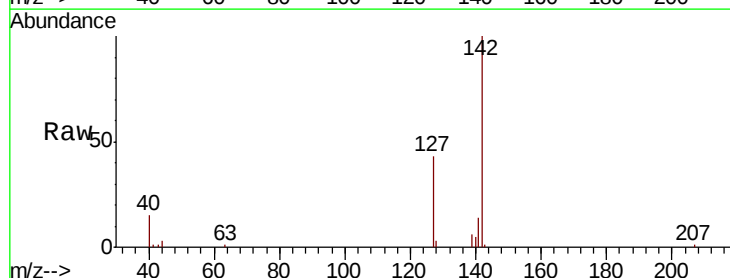
Tgt Ion:142 Resp: 94009

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.8

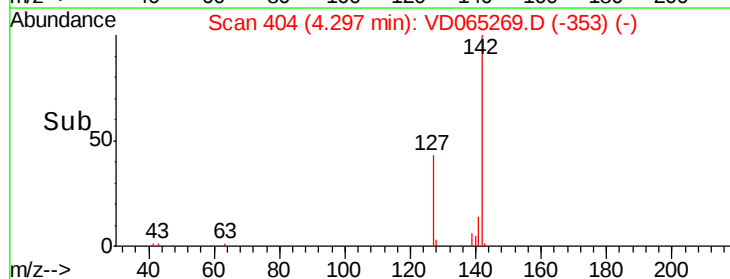
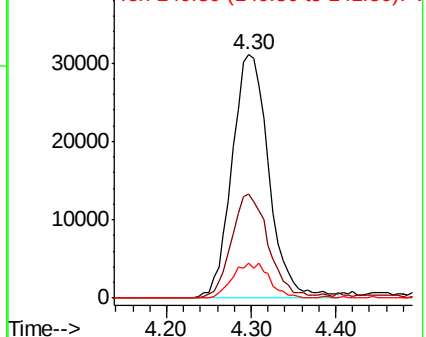
141 14.2 11.7 17.5

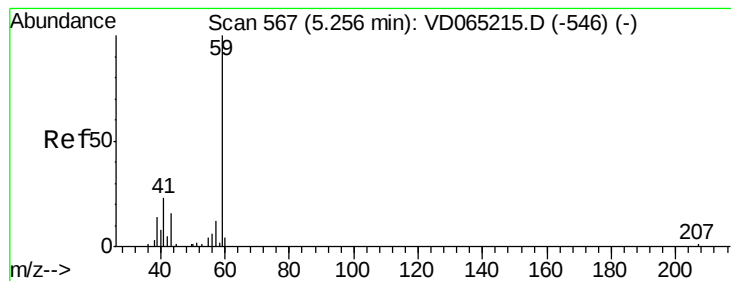


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.786 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

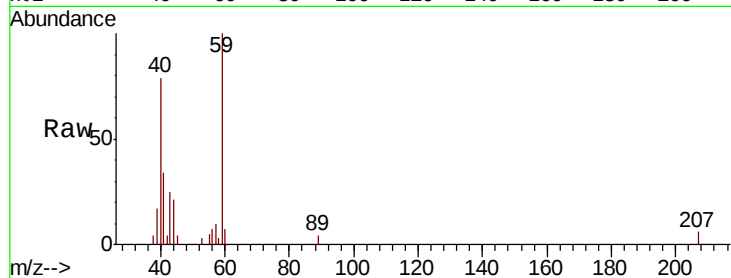
ClientSampleId :

Tot Ion: 59 Resp: 25812

Ion Ratio Lower Upper

59 100

57 4.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

6000

5000

4000

3000

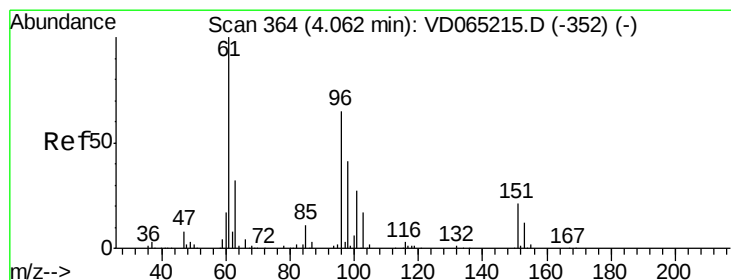
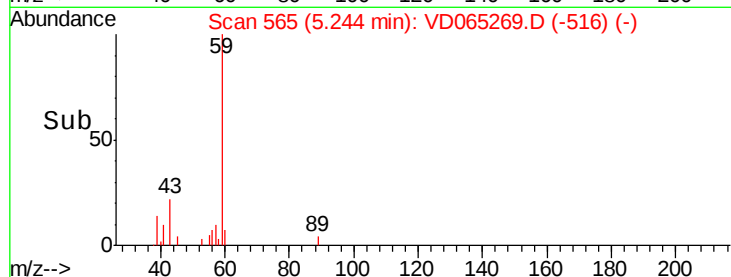
2000

1000

0

5.10 5.20 5.30 5.40

Time-->



#12

1,1-Dichloroethene

Concen: 19.529 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

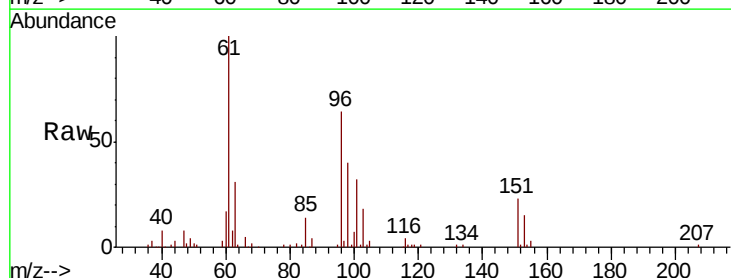
Tgt Ion: 96 Resp: 90763

Ion Ratio Lower Upper

96 100

61 156.3 123.3 184.9

98 62.5 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

60000

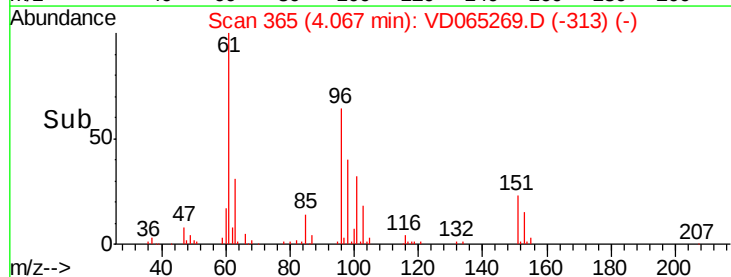
40000

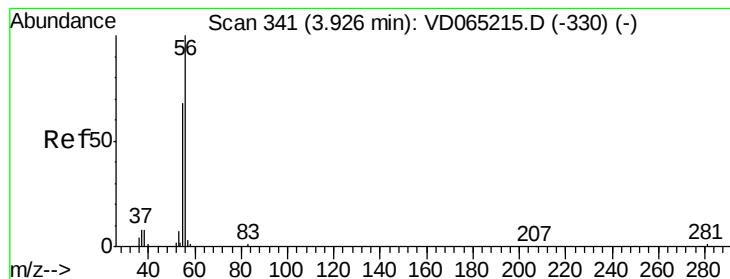
20000

0

4.00 4.10 4.20

Time-->





#13

Acrolein

Concen: 88.724 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

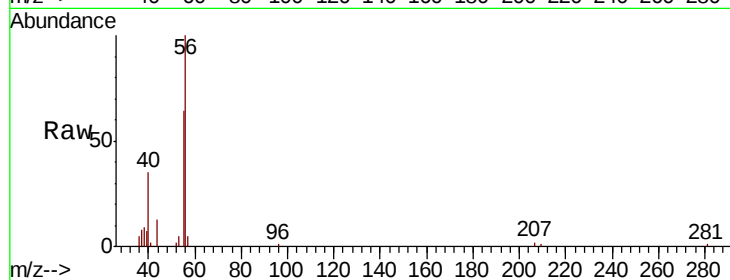
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 35516

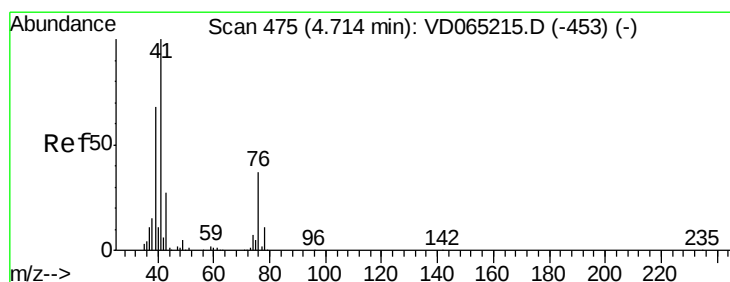
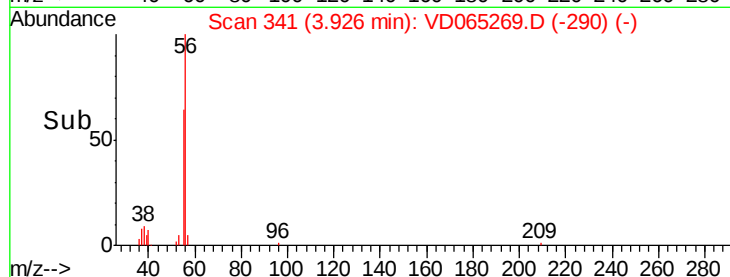
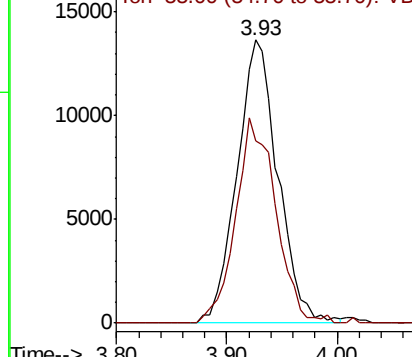
Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.838 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

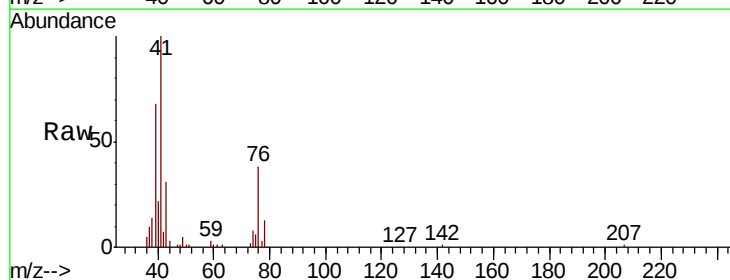
Tgt Ion: 41 Resp: 142176

Ion Ratio Lower Upper

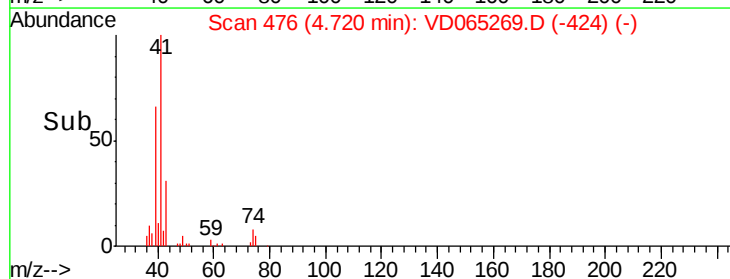
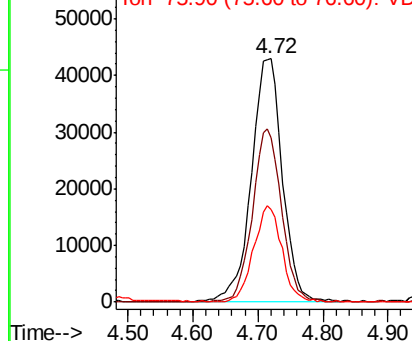
41 100

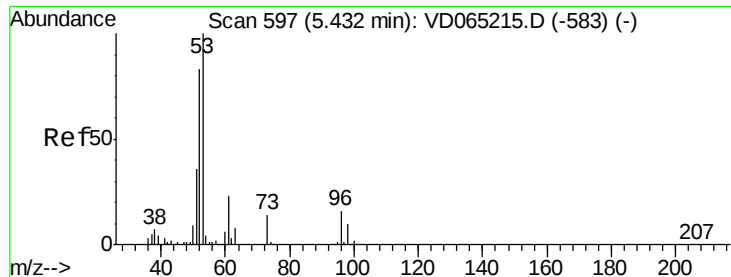
39 66.6 53.8 80.6

76 36.0 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 88.229 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

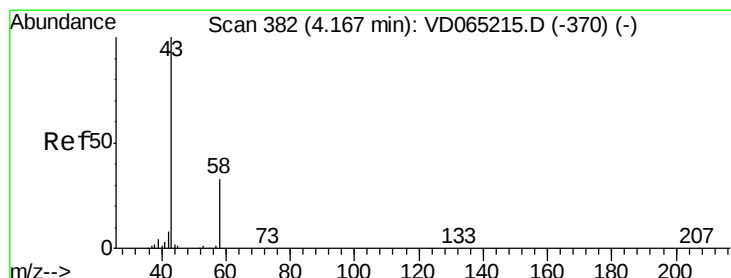
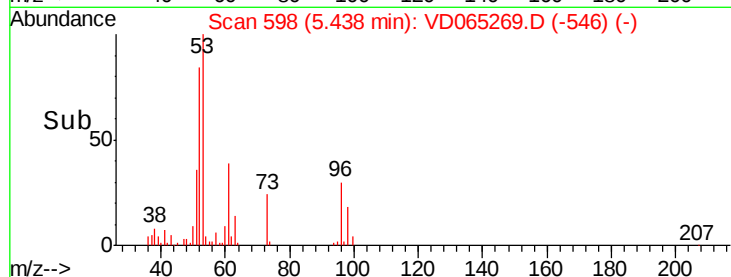
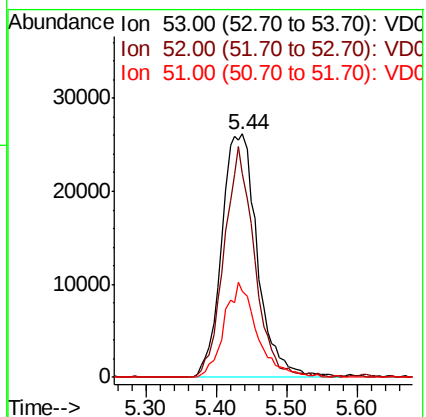
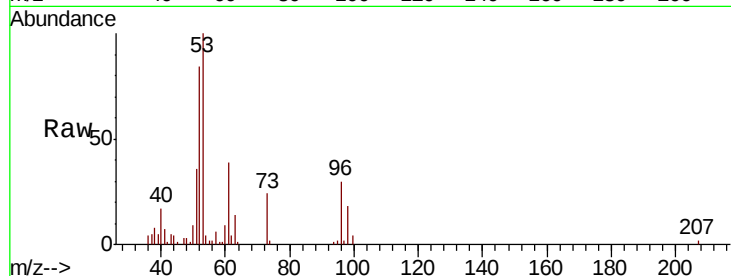
Tot Ion: 53 Resp: 91863

Ion Ratio Lower Upper

53 100

52 80.8 65.4 98.2

51 35.9 29.5 44.3



#16

Acetone

Concen: 83.251 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065269.D

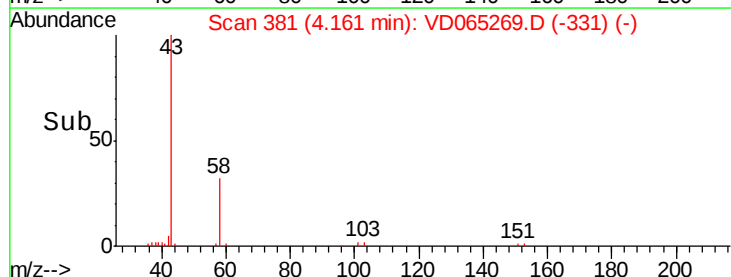
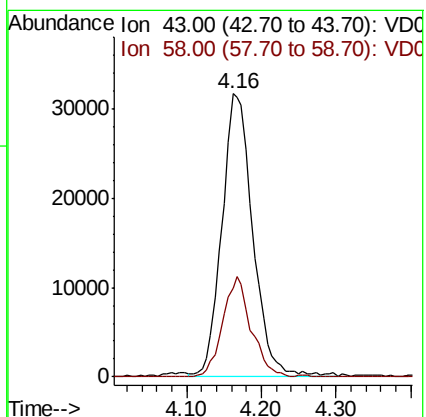
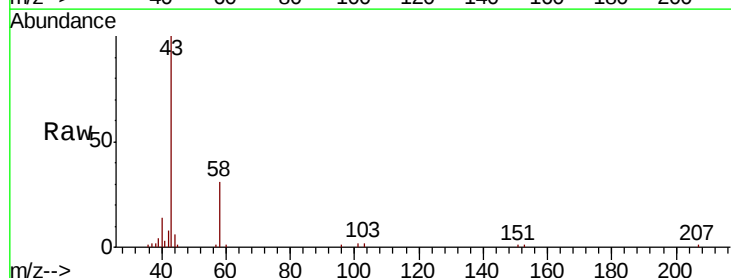
Acq: 21 Feb 2020 12:17

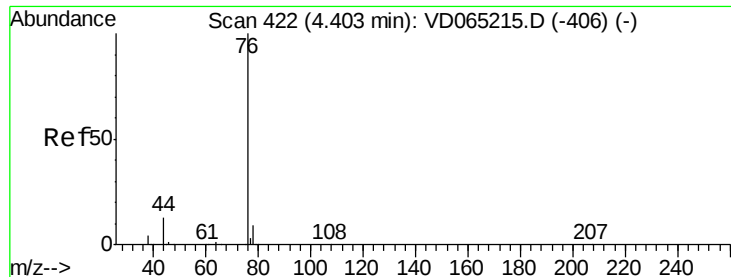
Tgt Ion: 43 Resp: 91773

Ion Ratio Lower Upper

43 100

58 31.3 26.2 39.2





#17

Carbon Disulfide

Concen: 19.159 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

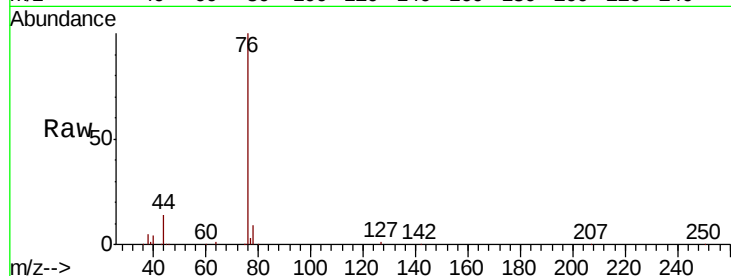
ClientSampleId :

Tot Ion: 76 Resp: 298535

Ion Ratio Lower Upper

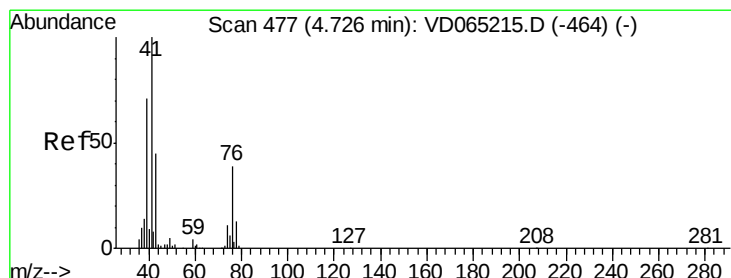
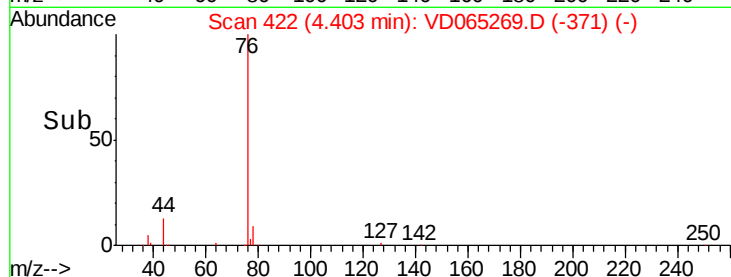
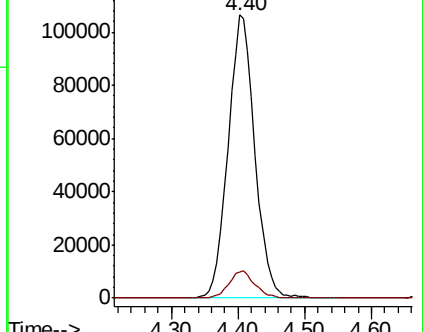
76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.819 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065269.D

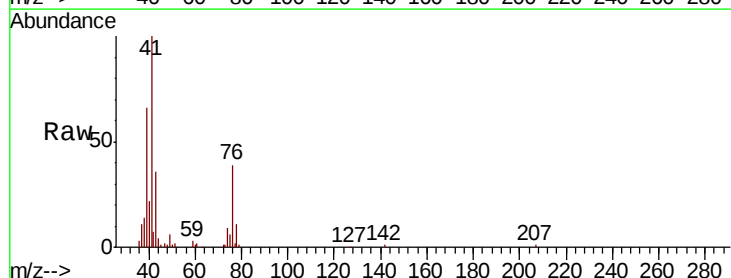
Acq: 21 Feb 2020 12:17

Tgt Ion: 43 Resp: 44178

Ion Ratio Lower Upper

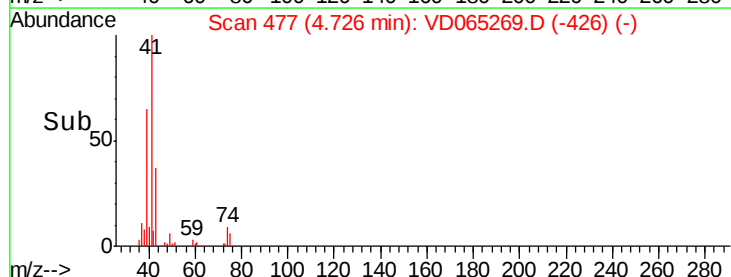
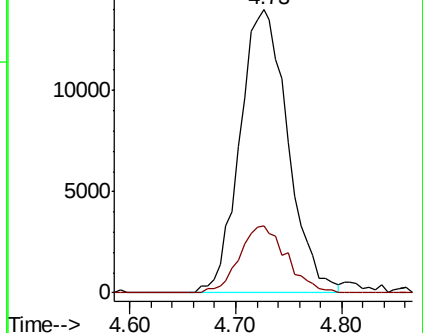
43 100

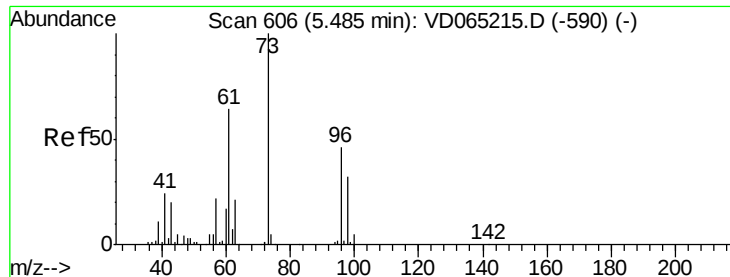
74 23.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

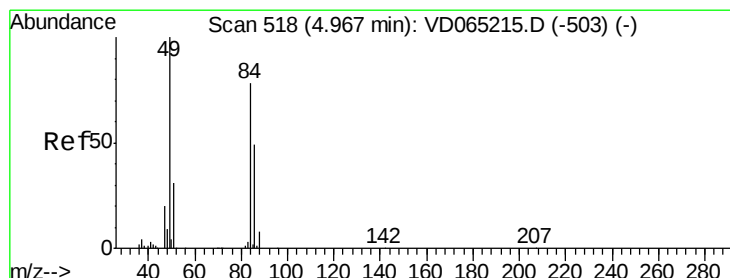
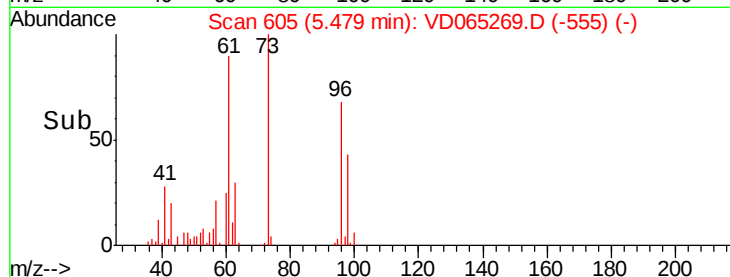
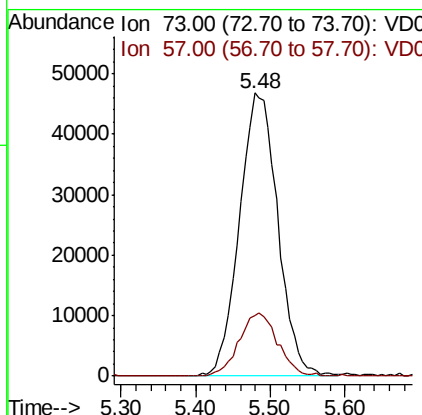
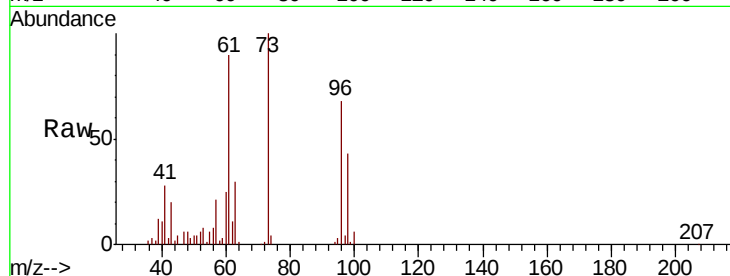




#19
Methvl tert-butvl Ether
Concen: 17.237 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

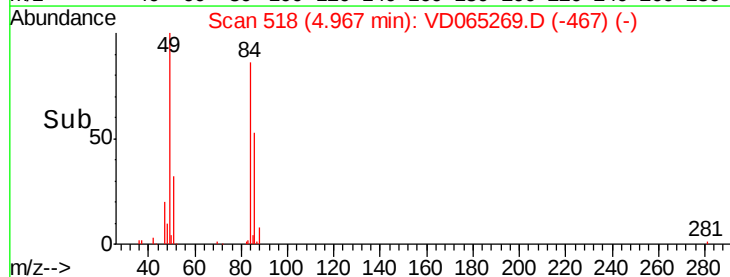
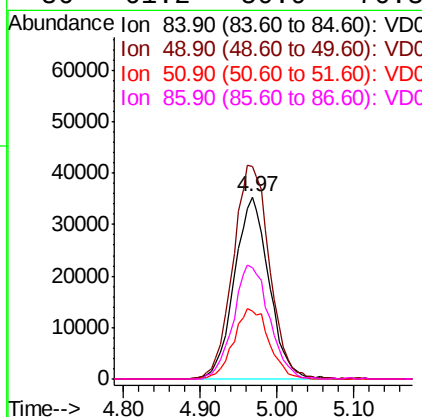
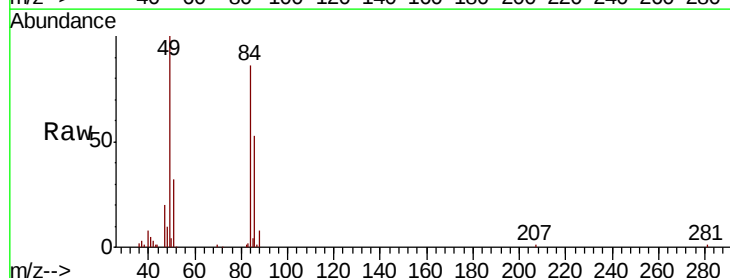
Instrument :
MSVOA_D
ClientSampleId :

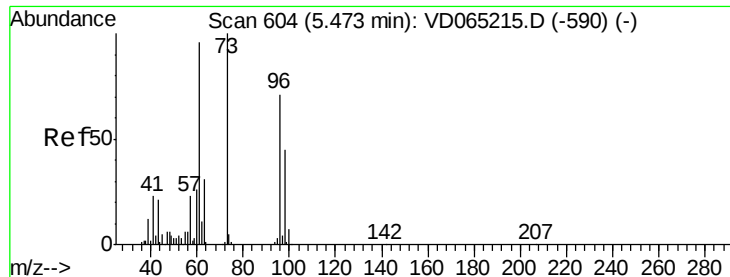
Tot Ion: 73 Resp: 167063
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 19.895 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 84 Resp: 111251
Ion Ratio Lower Upper
84 100
49 116.5 103.1 154.7
51 37.1 31.7 47.5
86 61.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.591 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

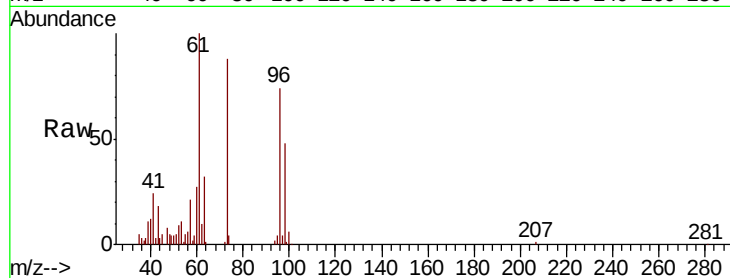
Tot Ion: 96 Resp: 103512

Ion Ratio Lower Upper

96 100

61 135.9 108.3 162.5

98 65.8 50.7 76.1

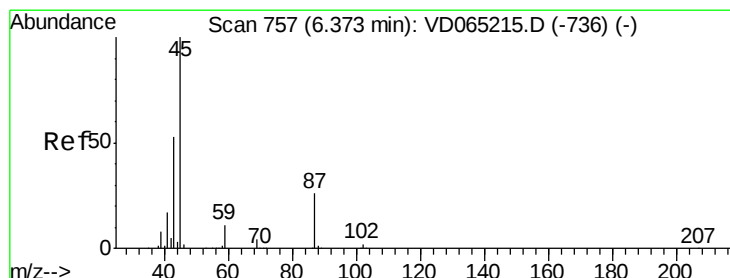
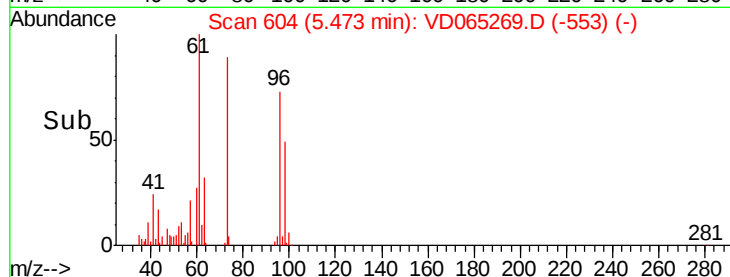
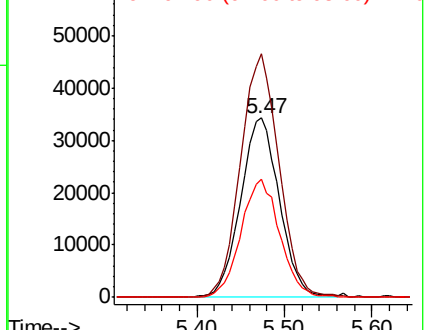


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 18.959 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion: 45 Resp: 275846

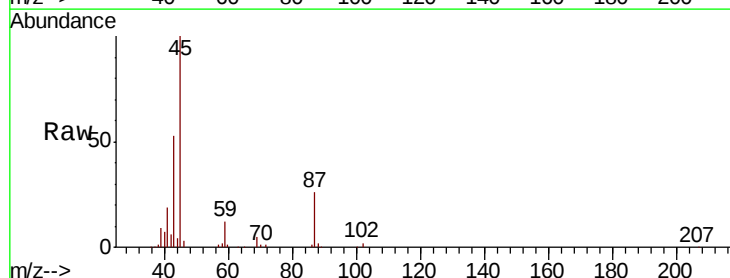
Ion Ratio Lower Upper

45 100

43 51.7 42.6 64.0

87 25.5 21.2 31.8

59 12.2 8.9 13.3



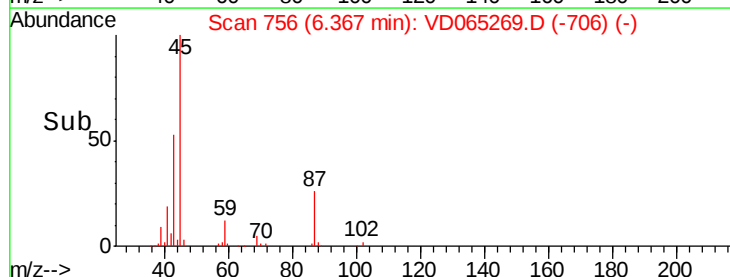
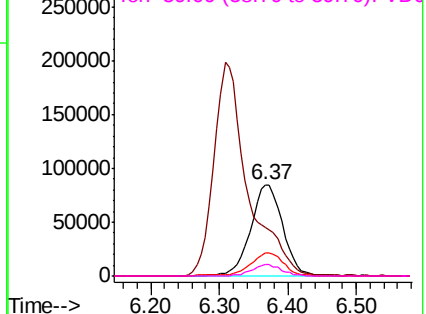
Abundance

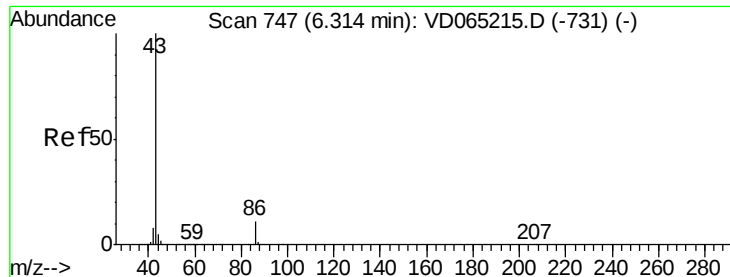
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 85.096 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

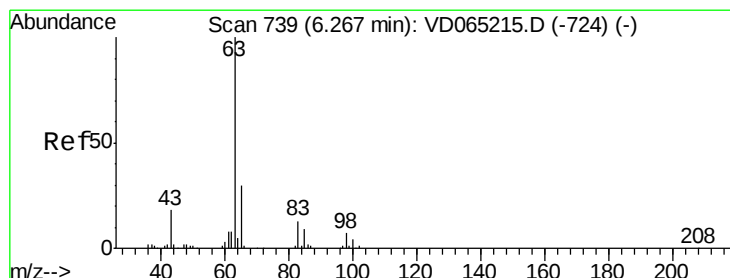
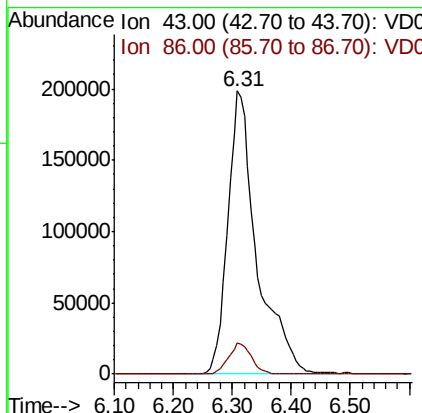
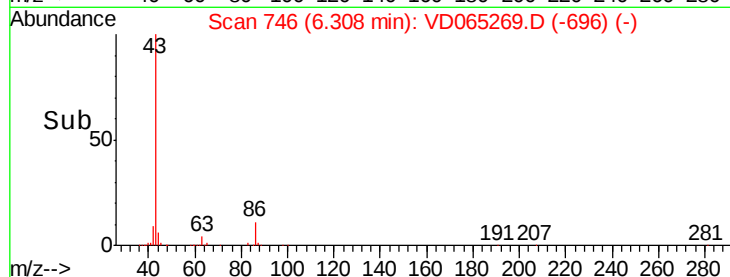
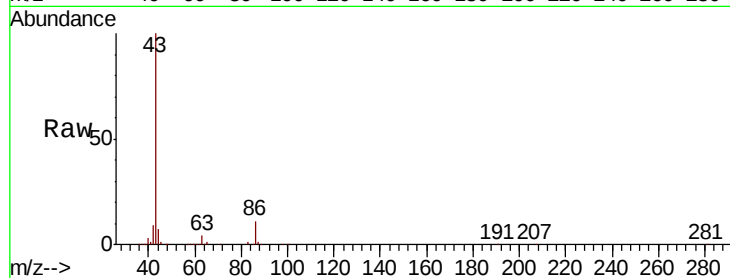
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 682572

Ion Ratio Lower Upper

43 100

86 10.9 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.621 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

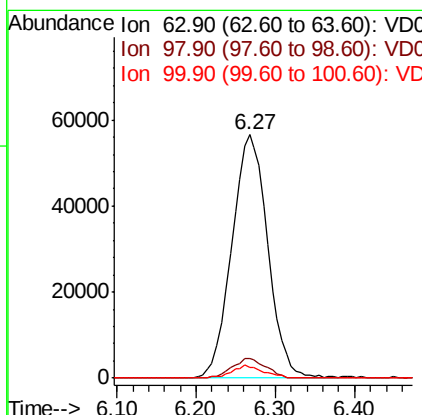
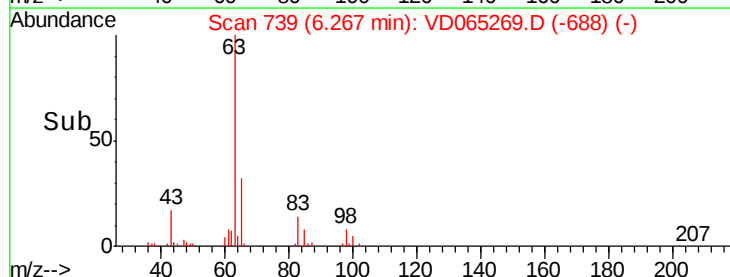
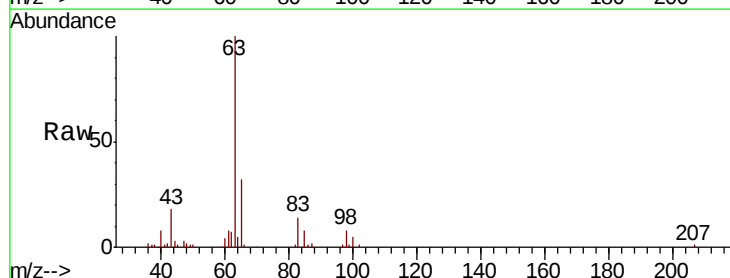
Tgt Ion: 63 Resp: 177073

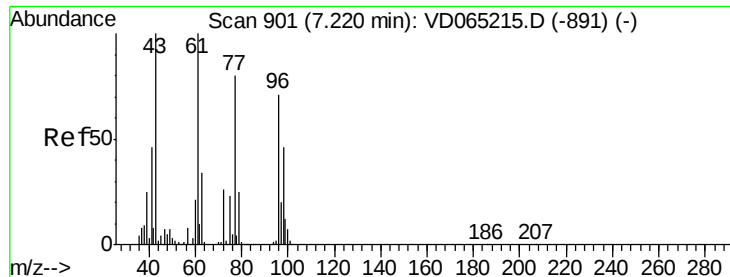
Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 81.605 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

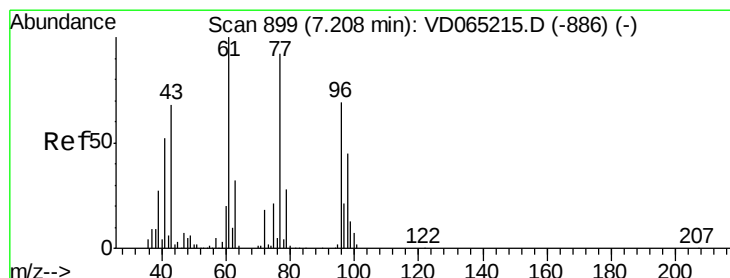
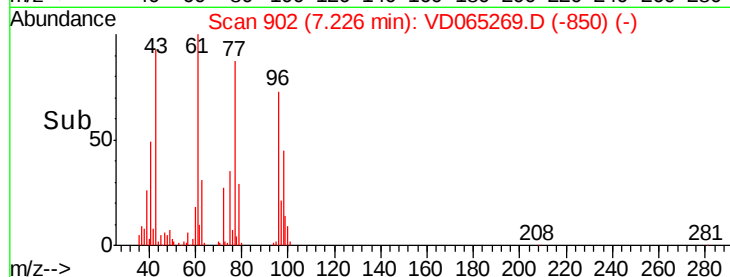
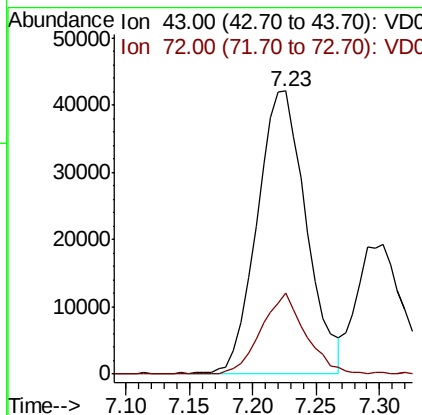
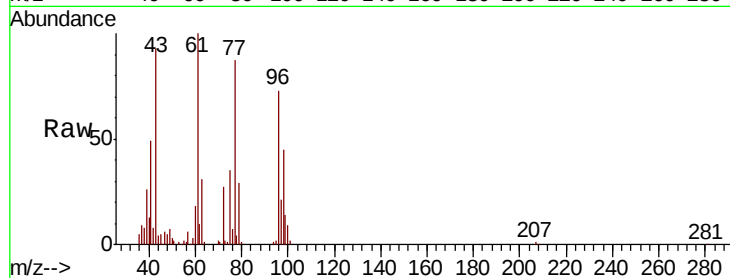
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 113818

Ion Ratio Lower Upper

43 100

72 28.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 19.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065269.D

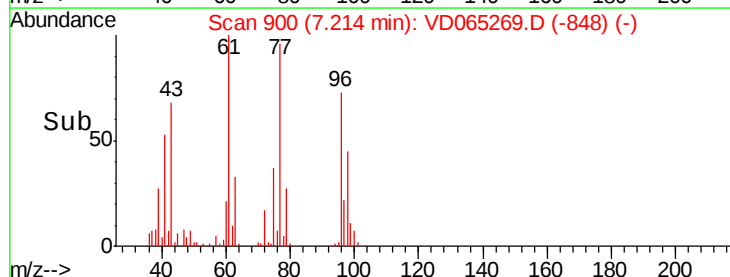
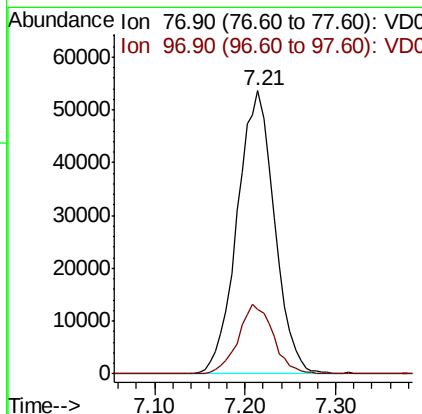
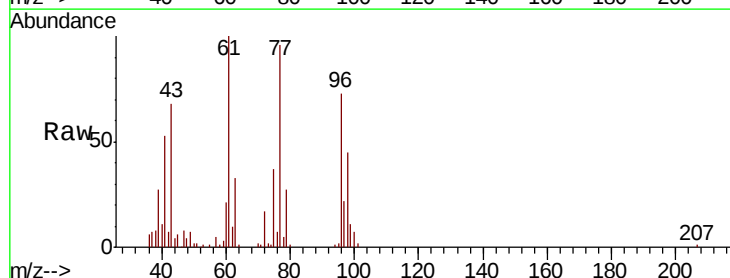
Acq: 21 Feb 2020 12:17

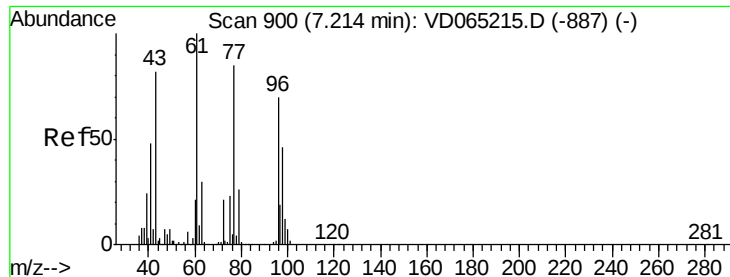
Tgt Ion: 77 Resp: 153086

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1



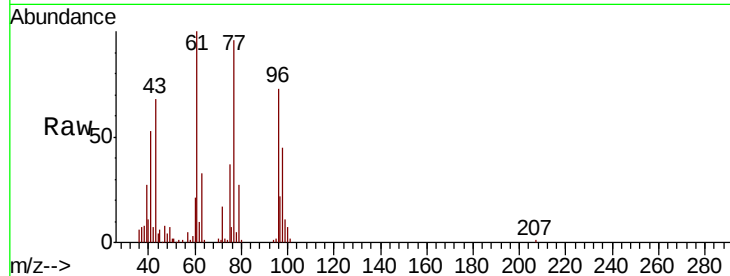


#27

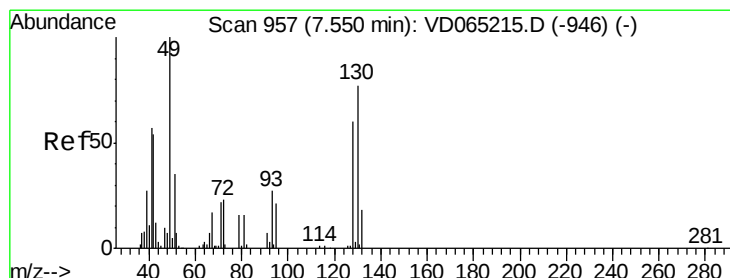
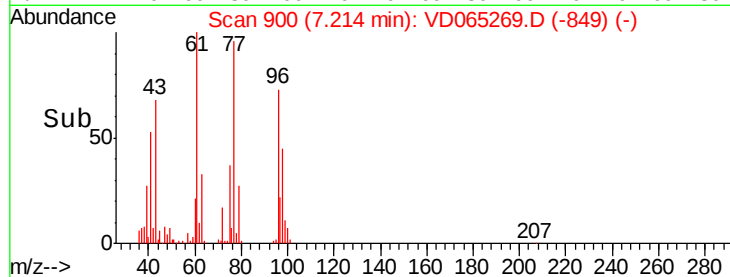
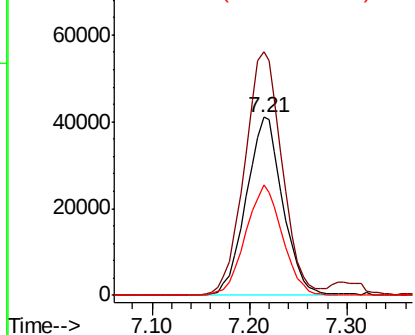
cis-1,2-Dichloroethene
Concen: 19.271 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	286.0
98	62.1	0.0	127.8



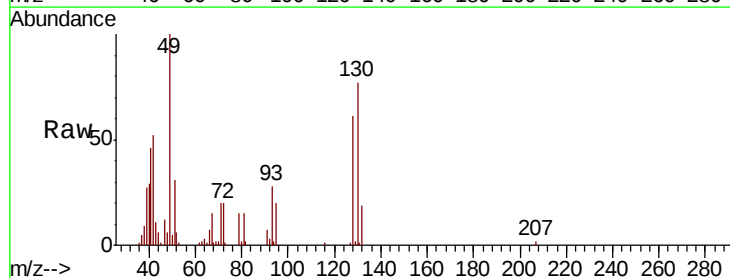
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



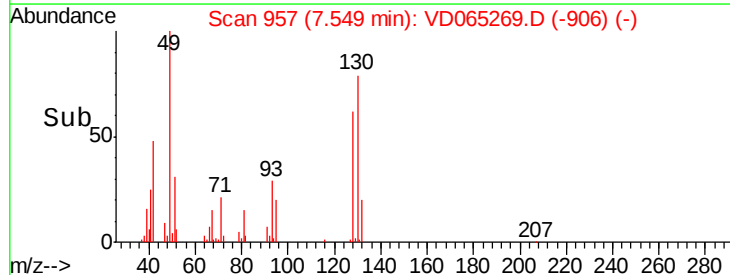
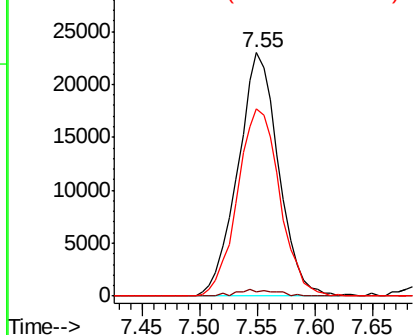
#28

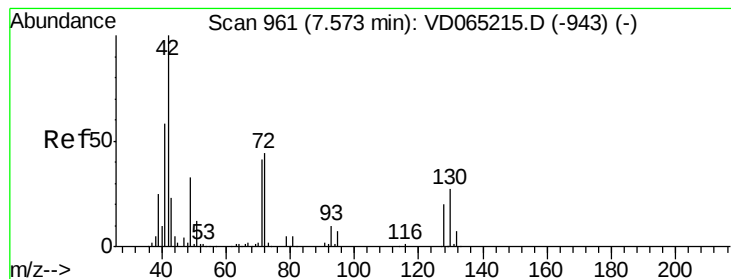
Bromochloromethane
Concen: 16.800 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	80.1	64.7	97.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 84.526 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampled :

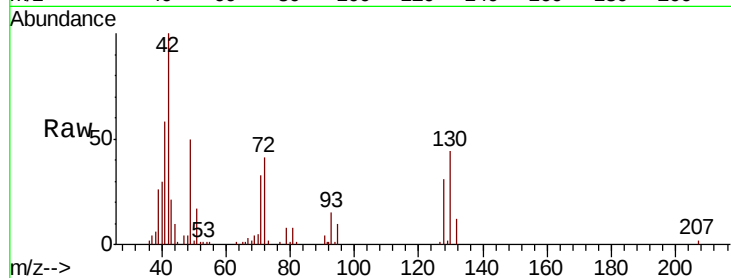
Tot Ion: 42 Resp: 69075

Ion Ratio Lower Upper

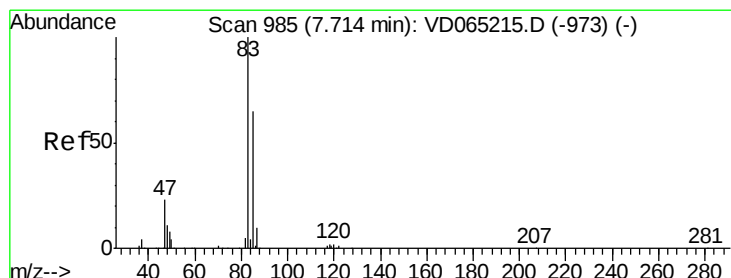
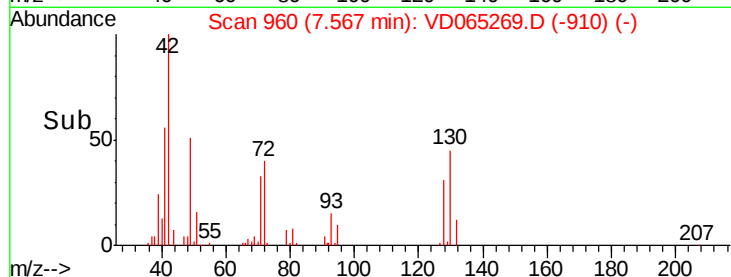
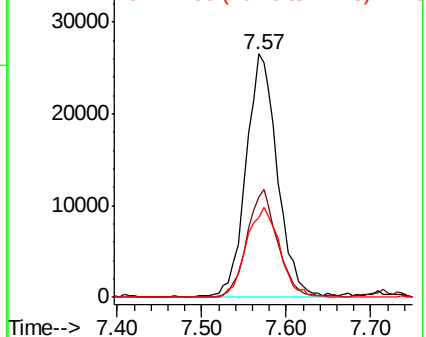
42 100

72 43.0 33.7 50.5

71 39.4 31.4 47.2



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: 18.858 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065269.D

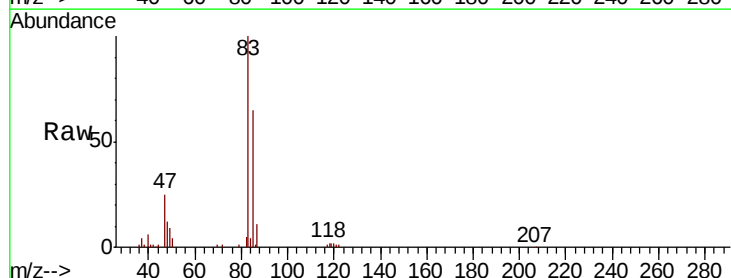
Acq: 21 Feb 2020 12:17

Tgt Ion: 83 Resp: 171456

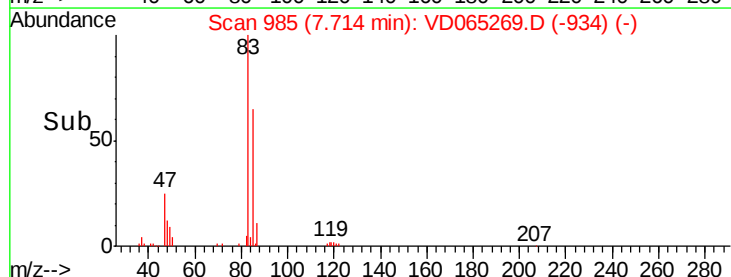
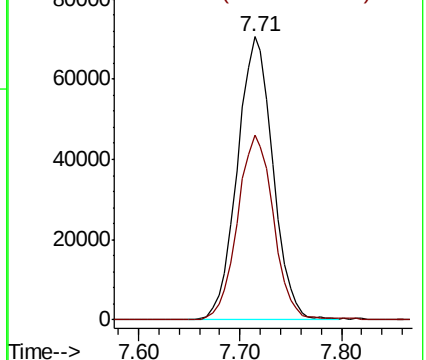
Ion Ratio Lower Upper

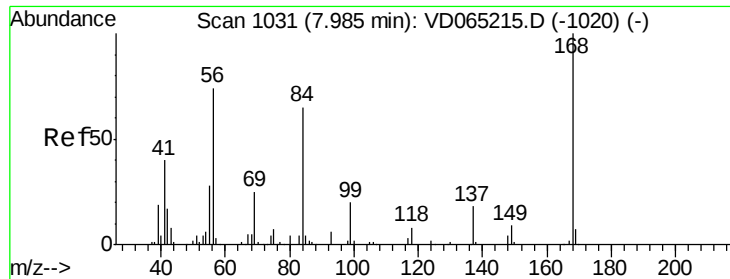
83 100

85 65.1 52.3 78.5



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

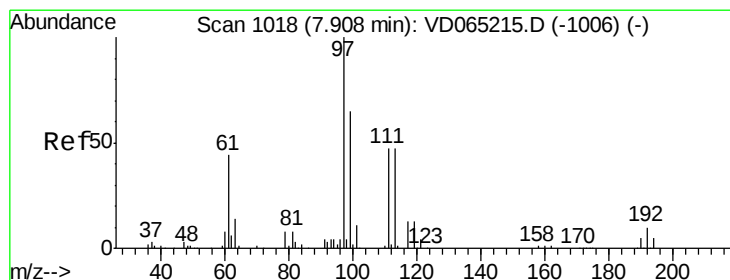
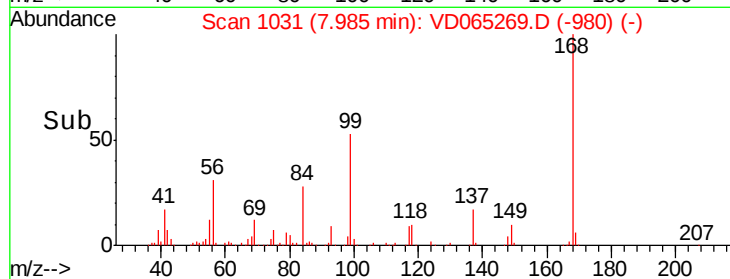
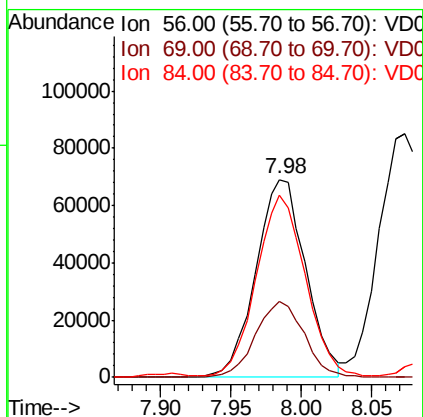
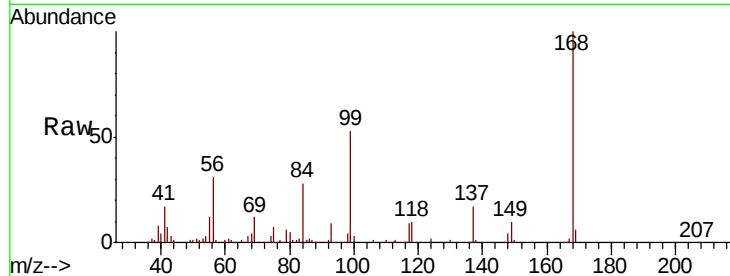




#31
Cyclohexane
Concen: 19.197 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

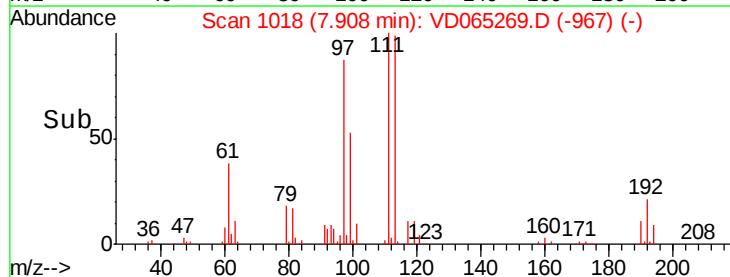
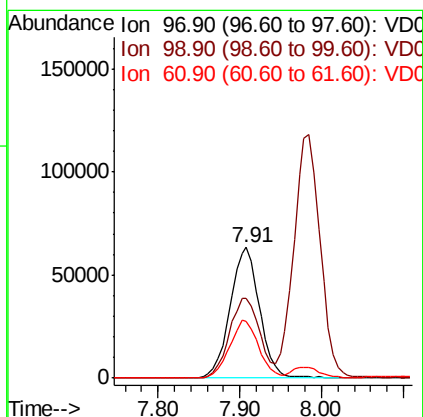
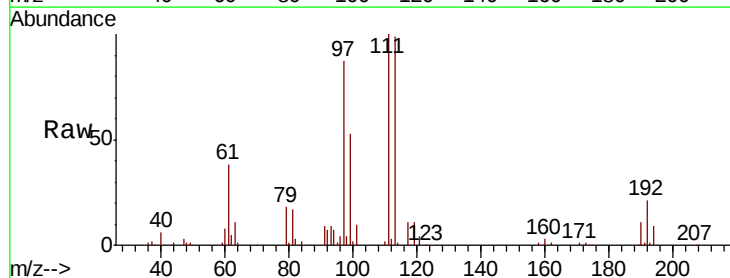
Instrument :
MSVOA_D
ClientSampled :

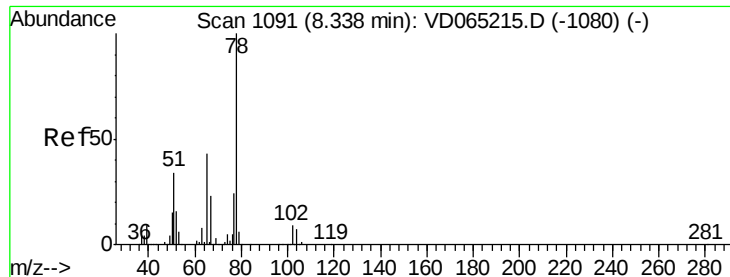
Tot Ion: 56 Resp: 170215
Ion Ratio Lower Upper
56 100
69 38.3 27.4 41.0
84 90.4 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 19.466 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 97 Resp: 158352
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.2
61 43.6 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 44.922 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

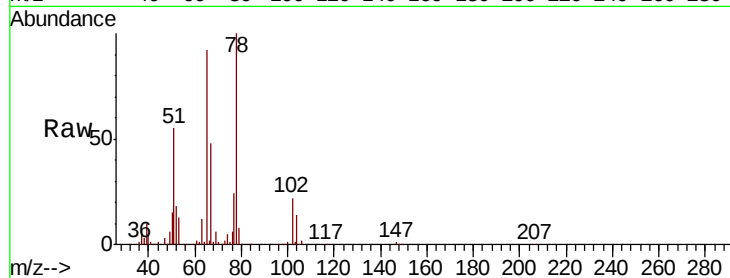
ClientSampled :

Tot Ion: 65 Resp: 202583

Ion Ratio Lower Upper

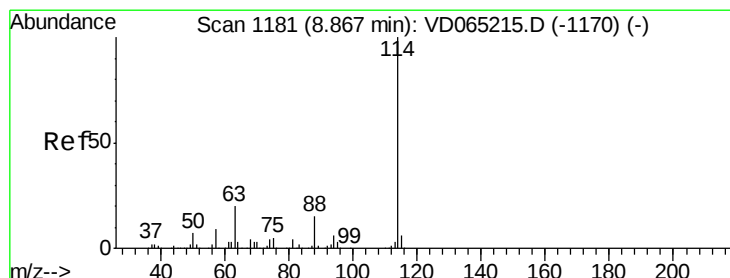
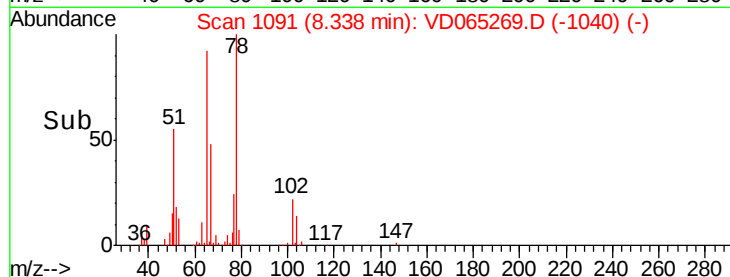
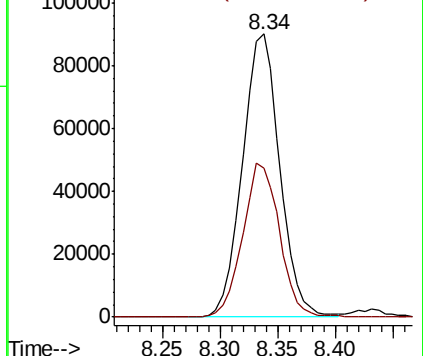
65 100

67 53.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

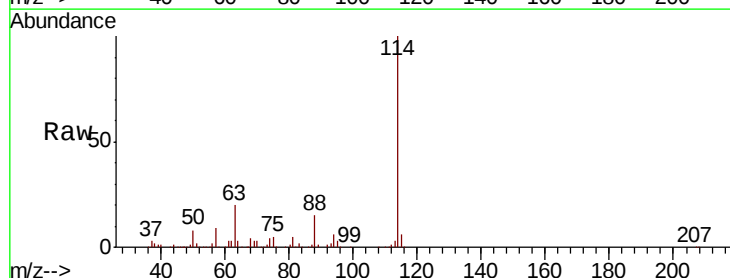
Tgt Ion: 114 Resp: 755940

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

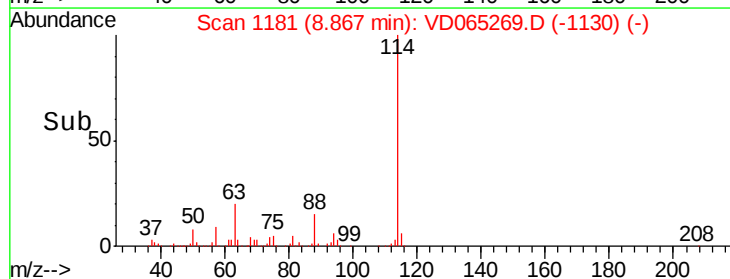
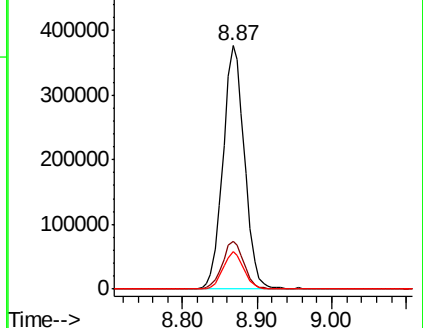
88 15.2 0.0 30.4

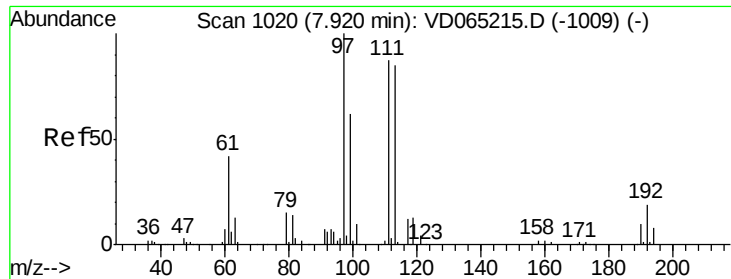


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

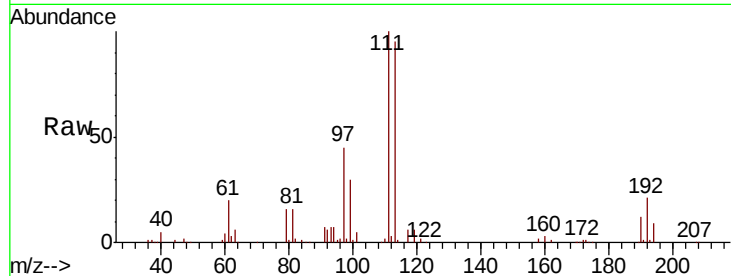




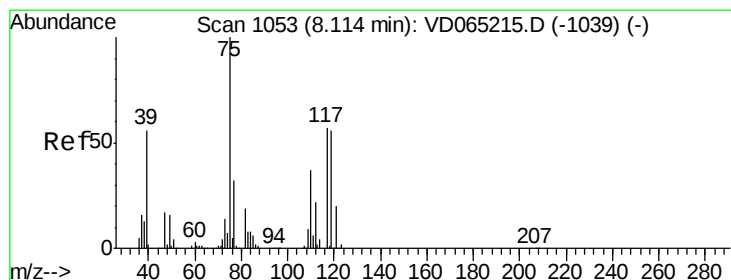
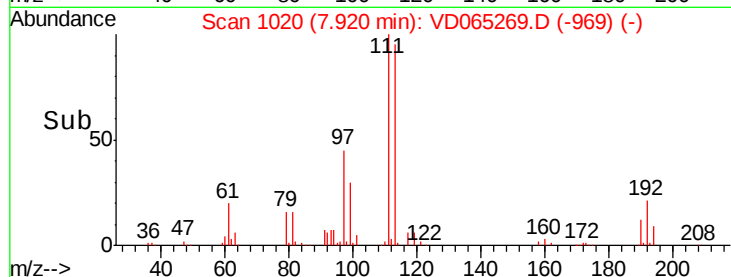
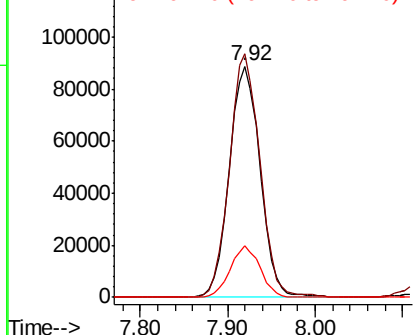
#35
 Dibromofluoromethane
 Concen: 46.095 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	21.5	17.3	25.9

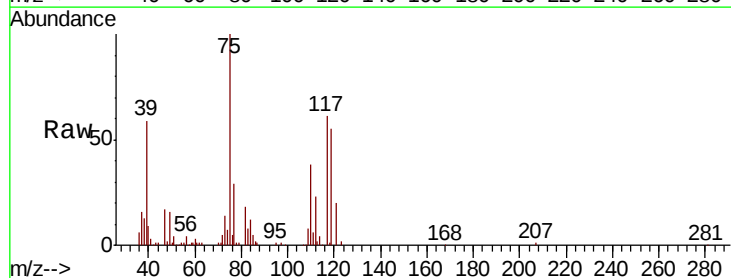


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

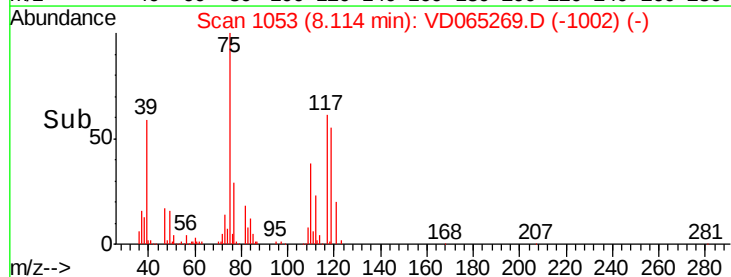
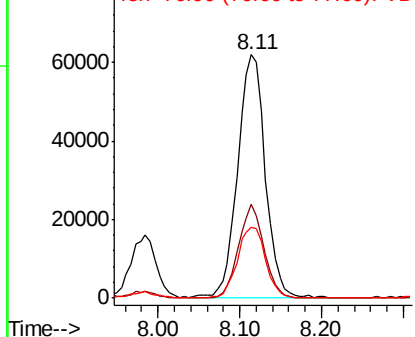


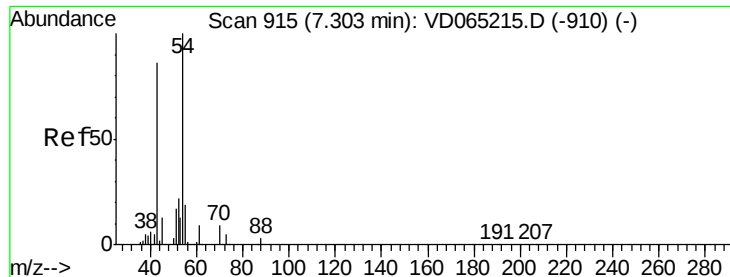
#36
 1,1-Dichloropropene
 Concen: 19.676 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.7
77	30.1	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

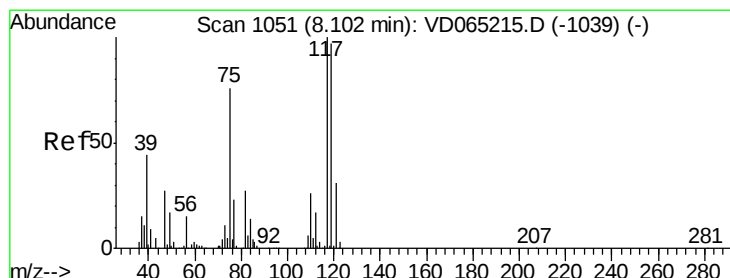
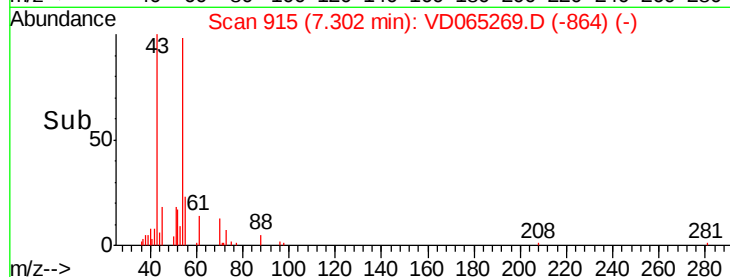
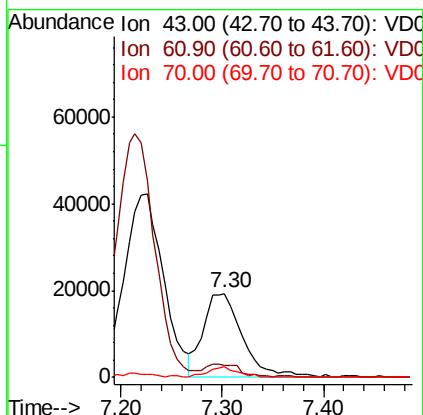
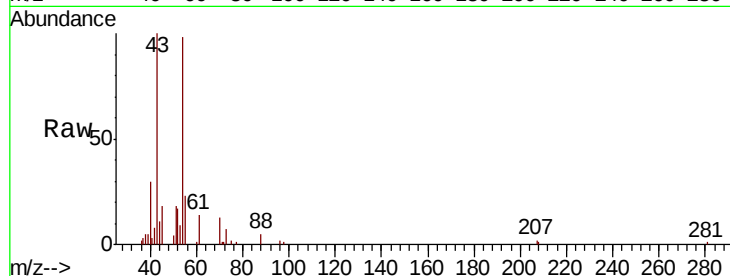




#37
Ethyl Acetate
Concen: 16.453 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

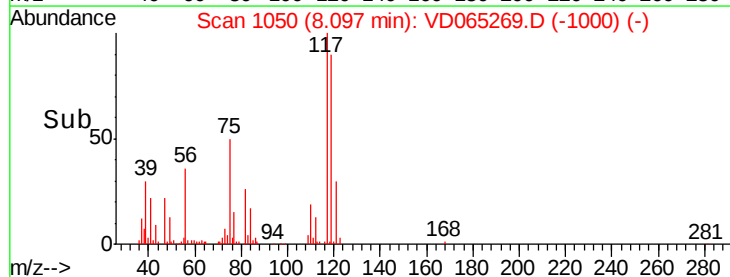
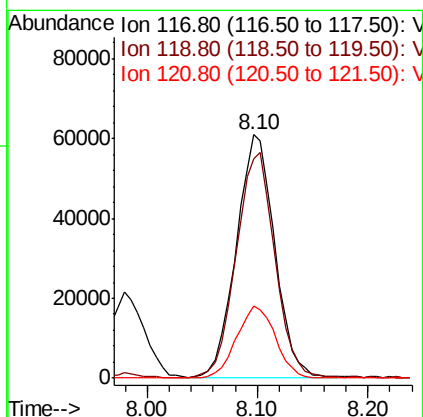
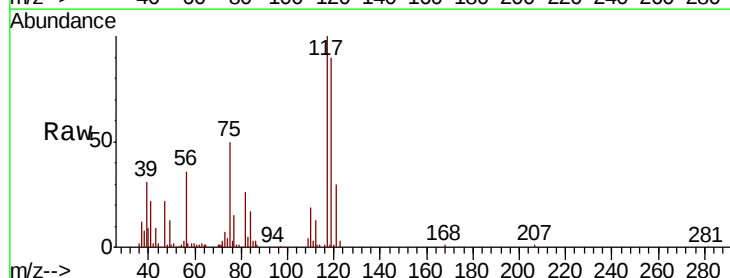
Instrument :
MSVOA_D
ClientSampleId :

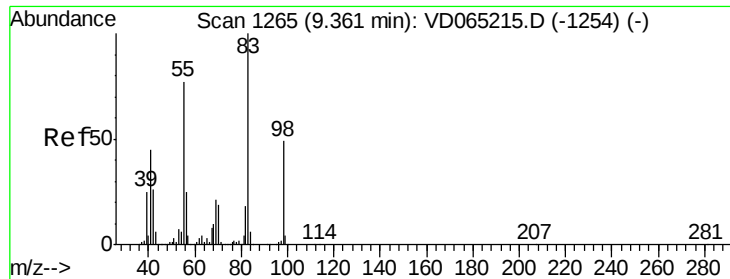
Tot Ion: 43 Resp: 50591
Ion Ratio Lower Upper
43 100
61 16.1 11.2 16.8
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.954 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 117 Resp: 149408
Ion Ratio Lower Upper
117 100
119 90.1 77.6 116.4
121 29.6 24.8 37.2

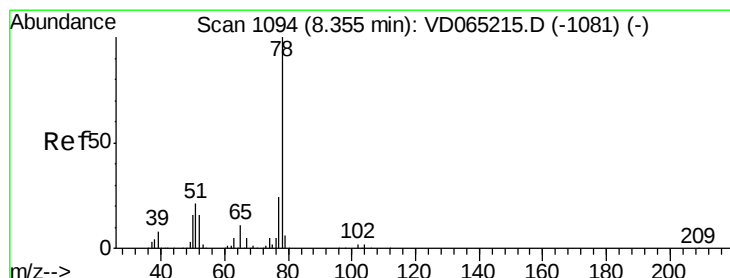
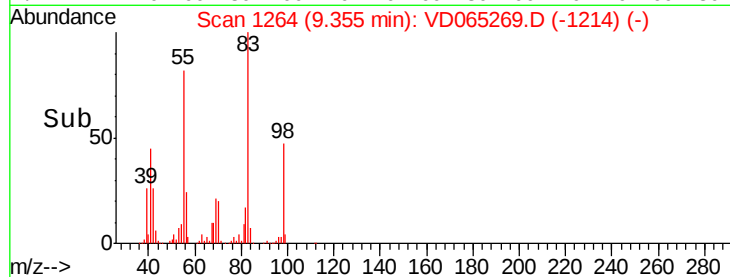
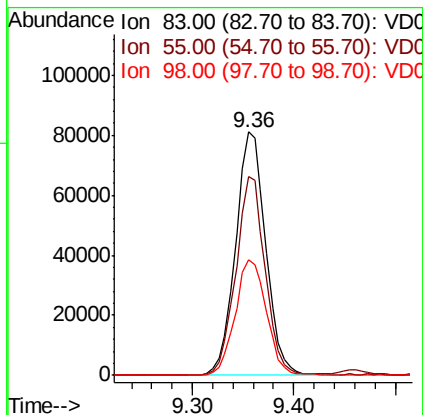
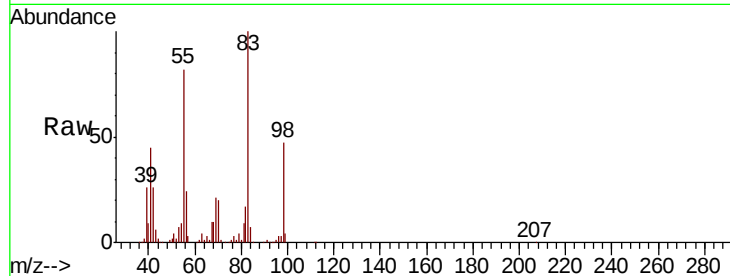




#39
Methvlcvclohexane
Concen: 19.369 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

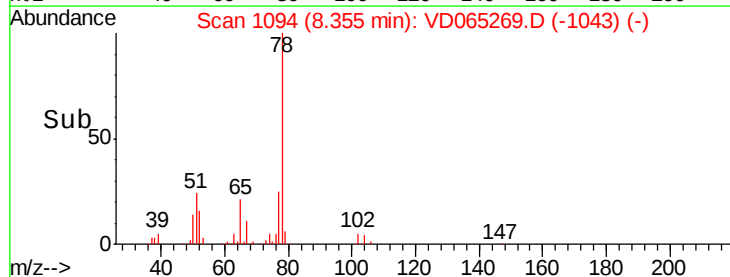
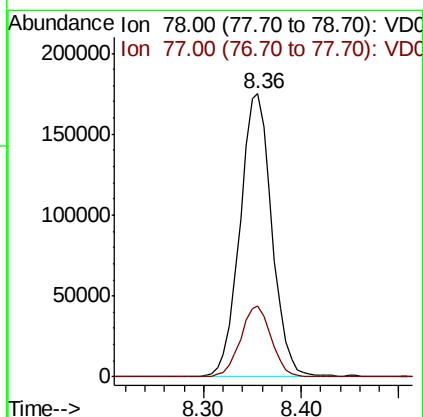
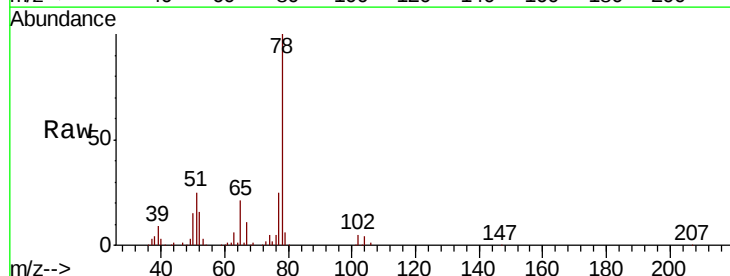
Instrument :
MSVOA_D
ClientSampled :

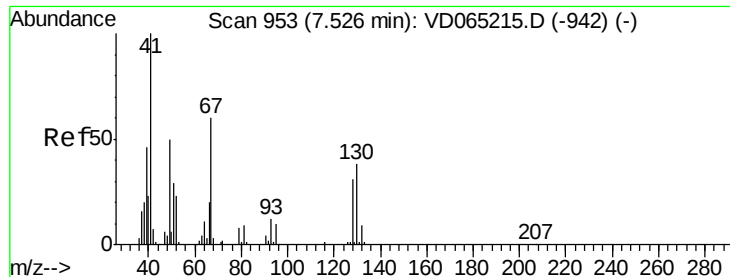
Tot Ion: 83 Resp: 167488
Ion Ratio Lower Upper
83 100
55 81.7 61.8 92.6
98 47.3 39.4 59.0



#40
Benzene
Concen: 19.254 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 78 Resp: 399735
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6





#41

Methacrylonitrile

Concen: 17.920 ug/l

RT: 7.53 min Scan# 954

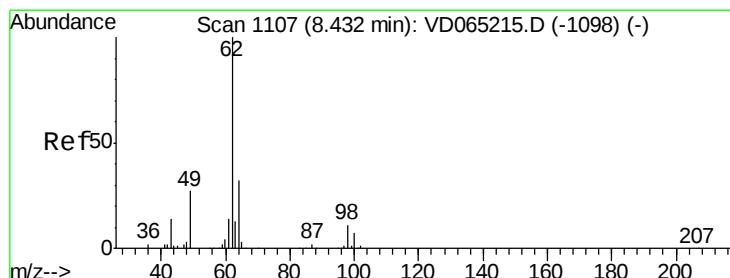
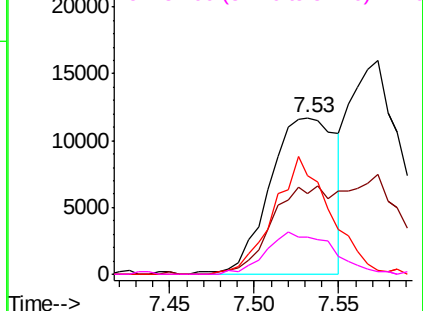
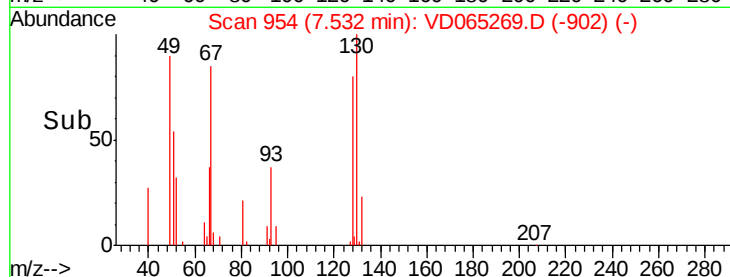
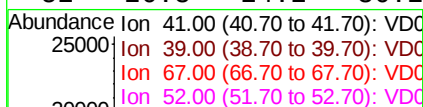
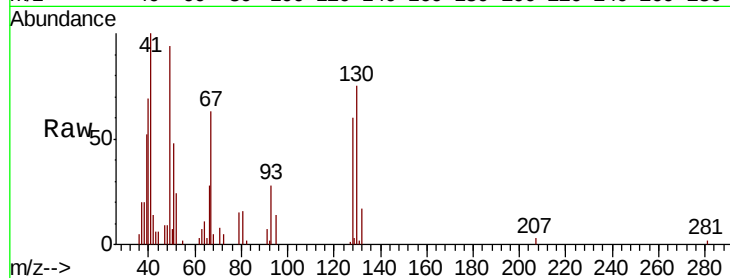
Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	31816
Ion	Ratio	Lower	Upper
41	100		
39	47.5	48.1	72.1#
67	64.4	58.9	88.3
52	26.8	24.2	36.2



#42

1,2-Dichloroethane

Concen: 17.921 ug/l

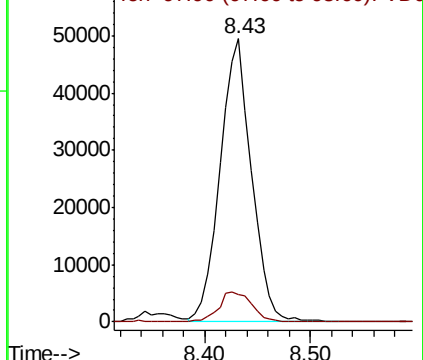
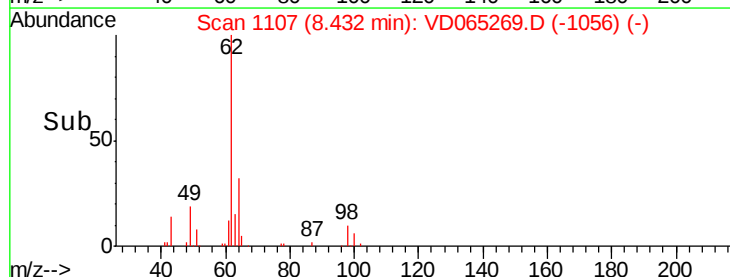
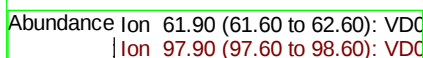
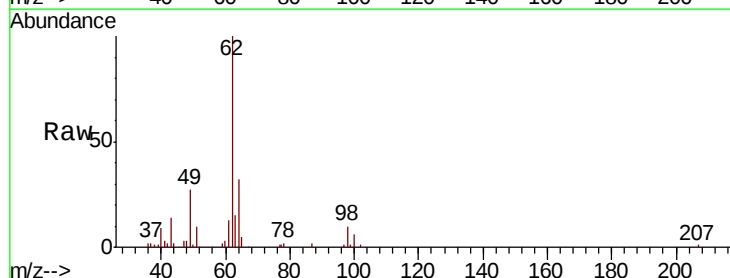
RT: 8.43 min Scan# 1107

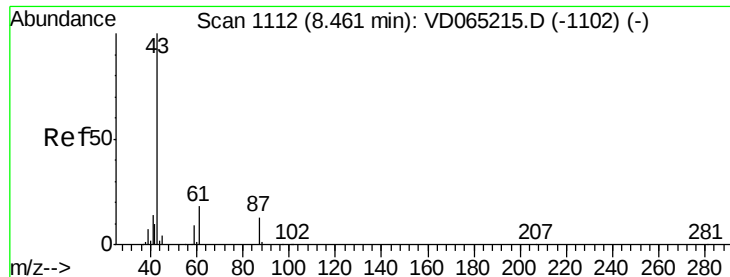
Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion:	62	Resp:	102282
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 16.703 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

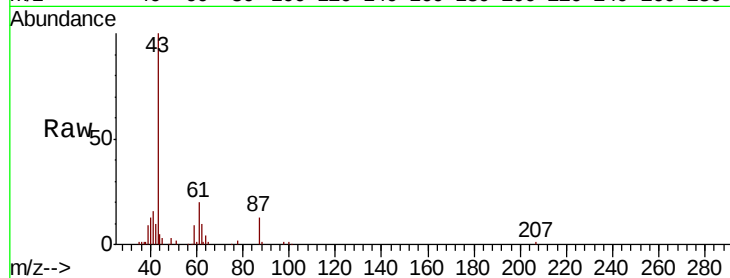
Tot Ion: 43 Resp: 93396

Ion Ratio Lower Upper

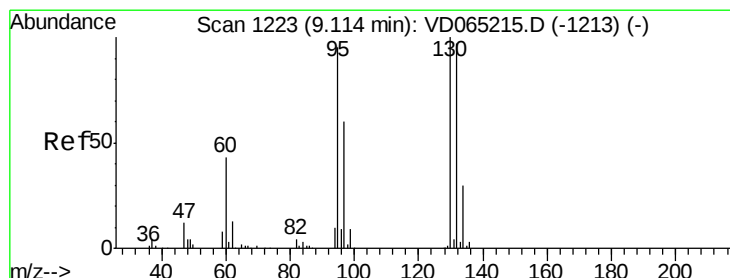
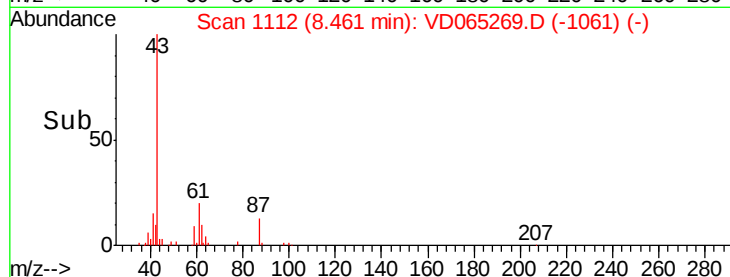
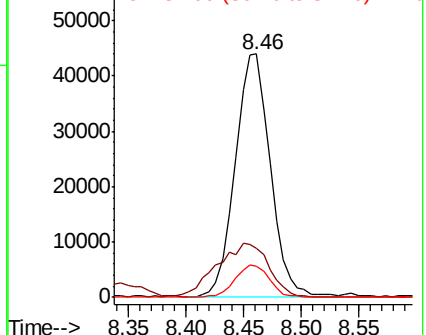
43 100

61 33.1 24.6 36.8

87 12.8 10.6 16.0



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: 19.905 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065269.D

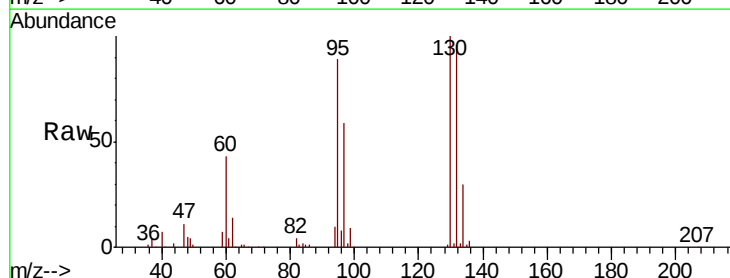
Acq: 21 Feb 2020 12:17

Tgt Ion:130 Resp: 114554

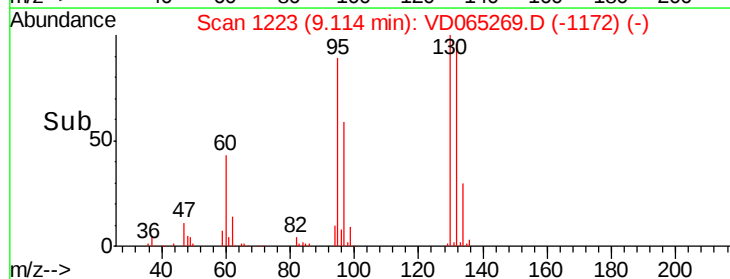
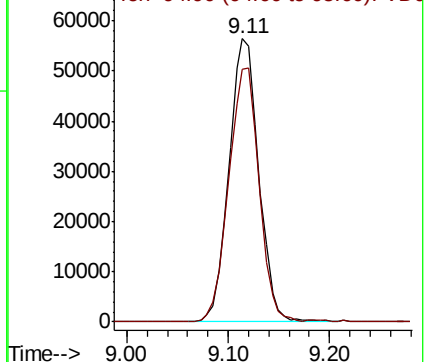
Ion Ratio Lower Upper

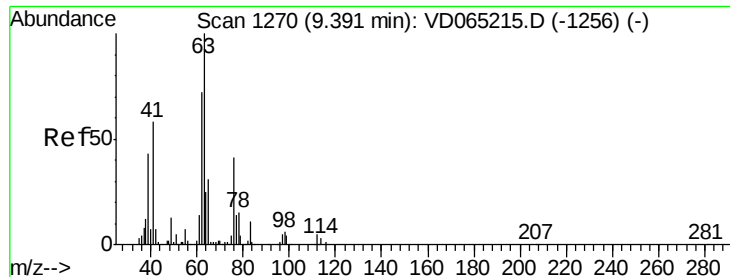
130 100

95 89.1 0.0 190.6



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

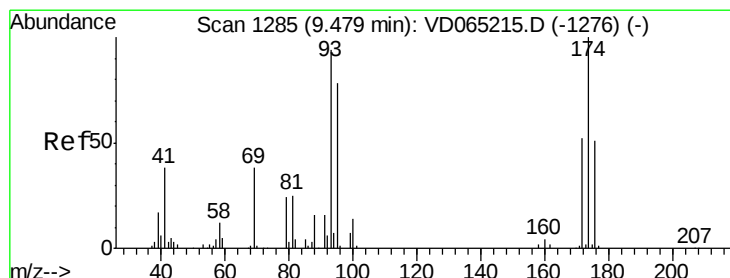
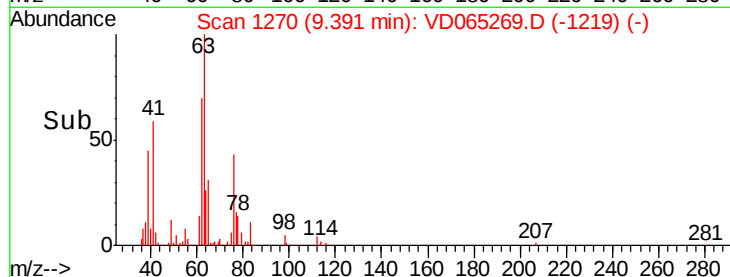
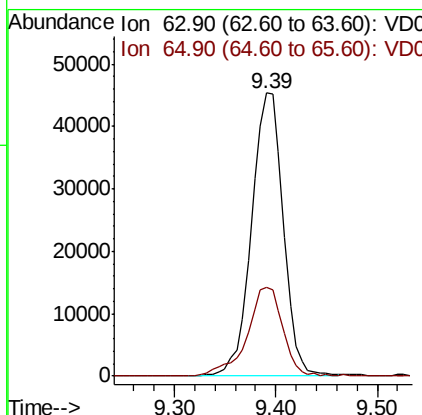
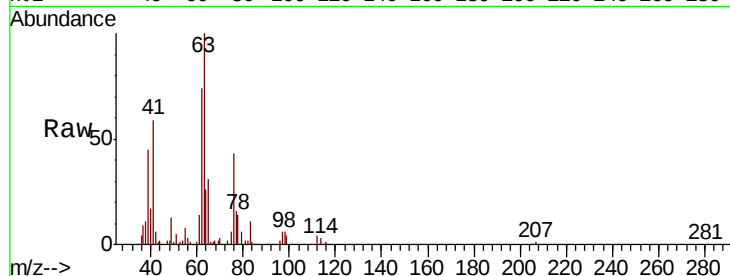




#45
 1,2-Dichloropropane
 Concen: 19.088 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

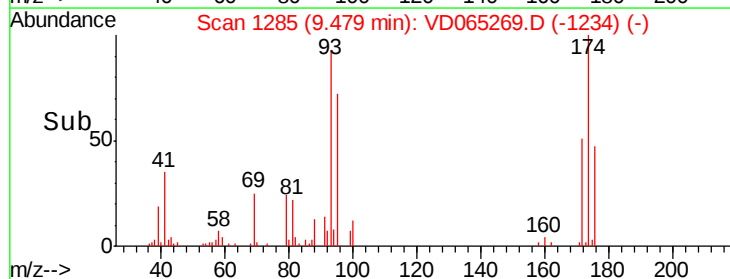
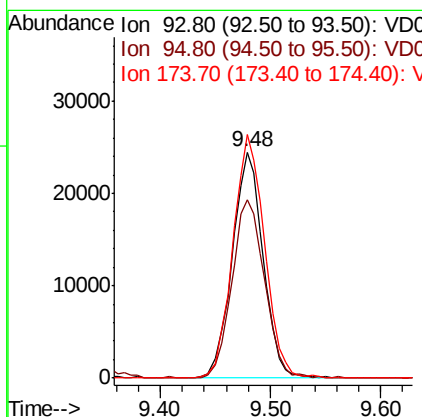
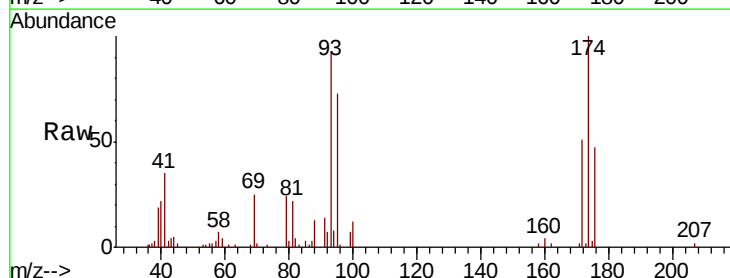
Instrument :
 MSVOA_D
 ClientSampled :

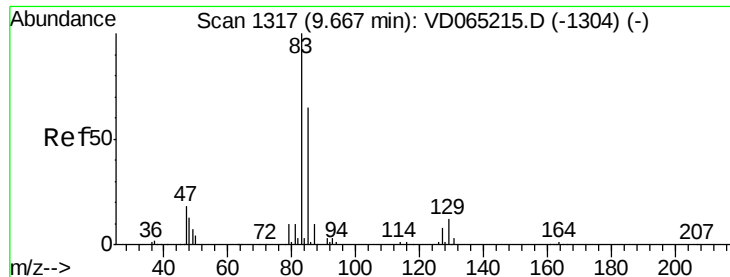
Tot Ion: 63 Resp: 98542
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#46
 Dibromomethane
 Concen: 18.052 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion: 93 Resp: 47949
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.8 98.6
 174 110.8 86.8 130.2

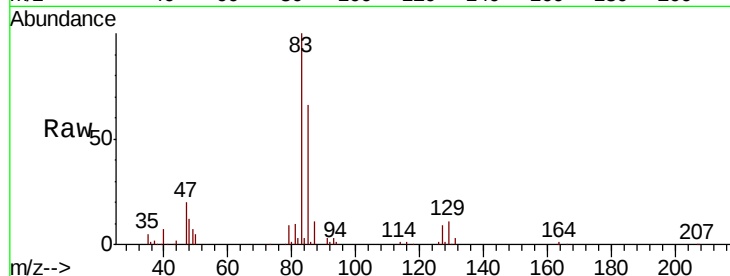




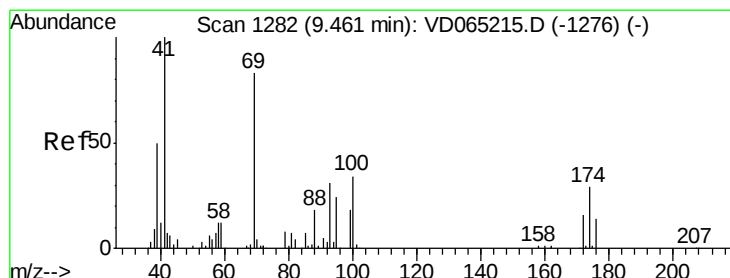
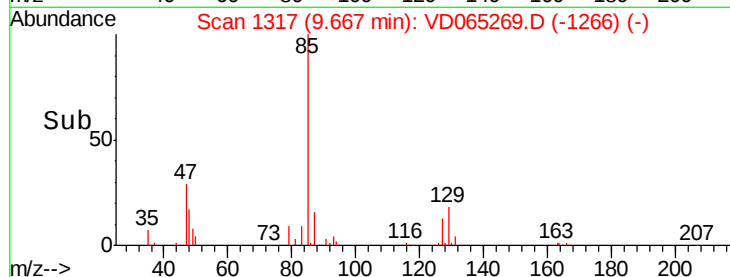
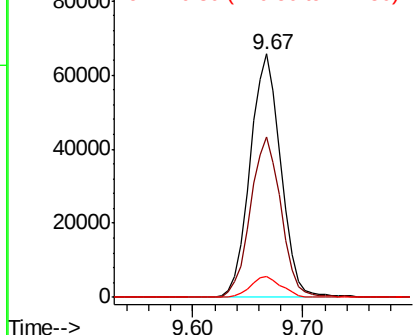
#47
Bromodichloromethane
Concen: 18.289 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 128019
Ion Ratio Lower Upper
83 100
85 65.7 52.0 78.0
127 8.6 6.7 10.1

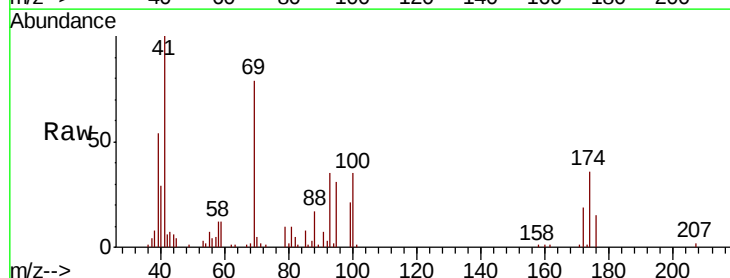


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

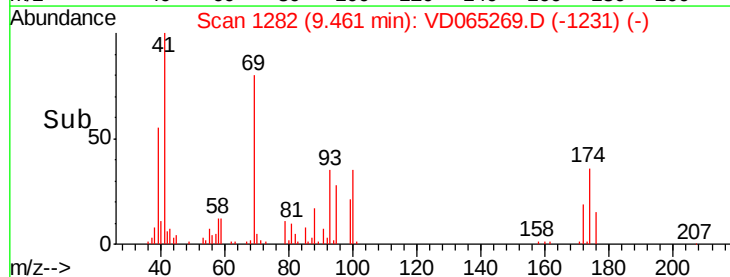
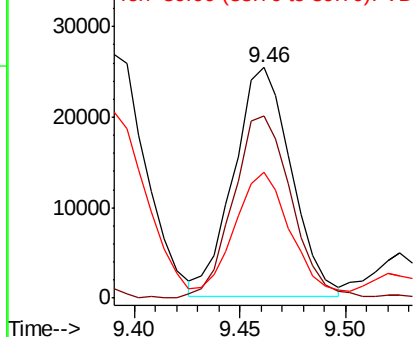


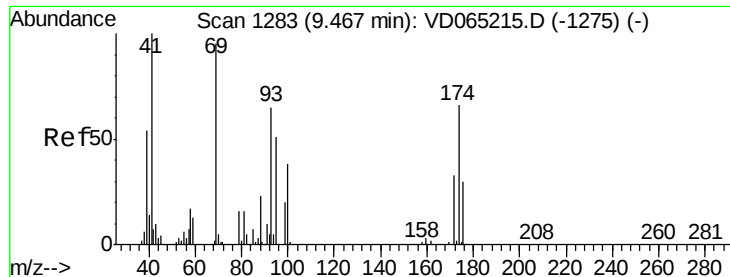
#48
Methyl methacrylate
Concen: 18.636 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 41 Resp: 48167
Ion Ratio Lower Upper
41 100
69 80.0 68.2 102.2
39 48.2 42.0 63.0



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

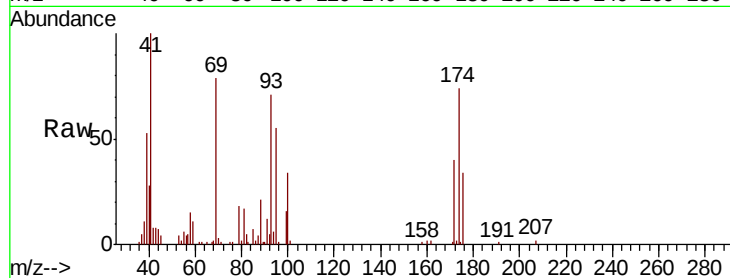




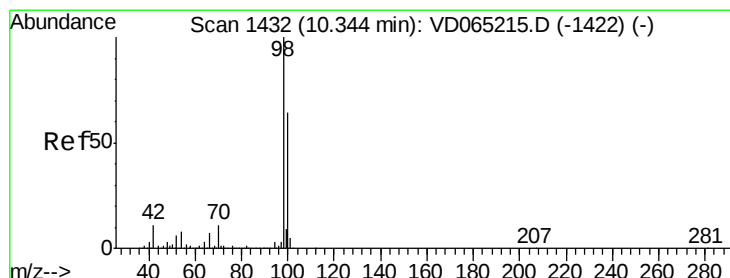
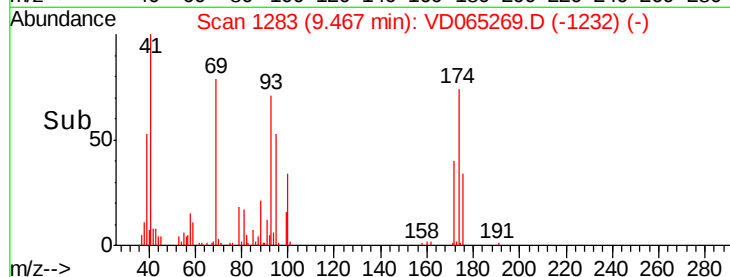
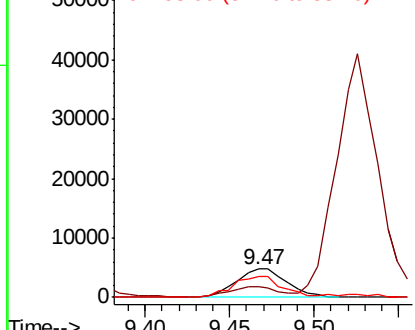
#49
1,4-Dioxane
Concen: 317.595 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9894
Ion Ratio Lower Upper
88 100
43 39.3 28.5 42.7
58 72.2 58.6 87.8

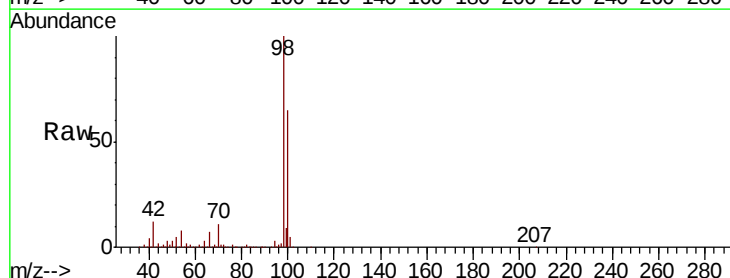


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

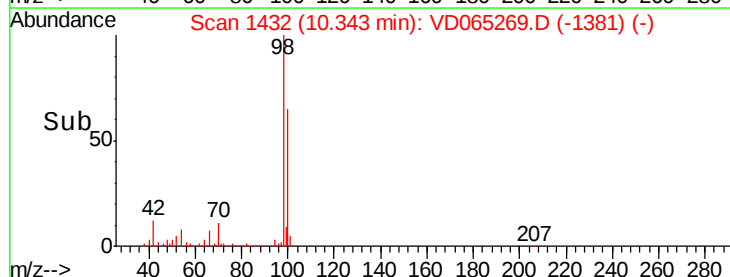
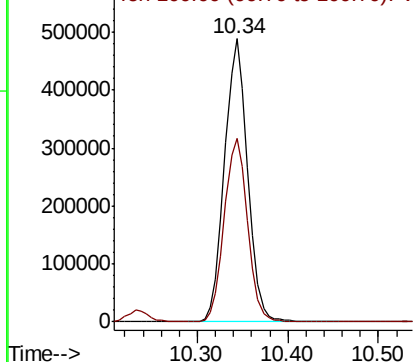


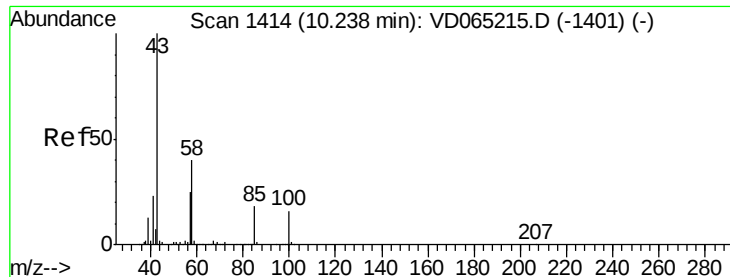
#50
Toluene-d8
Concen: 49.094 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 98 Resp: 865077
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



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: 83.130 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

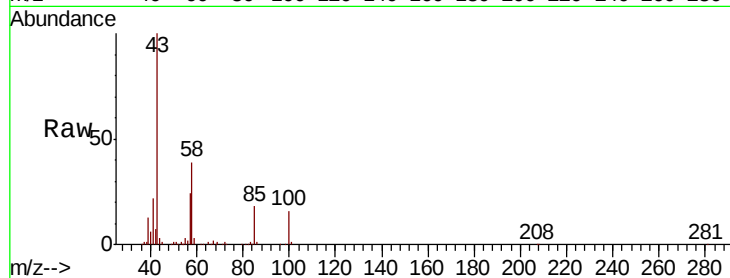
ClientSampleId :

Tot Ion: 43 Resp: 236092

Ion Ratio Lower Upper

43 100

58 38.3 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

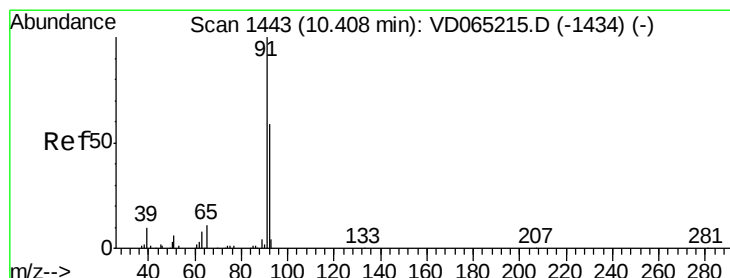
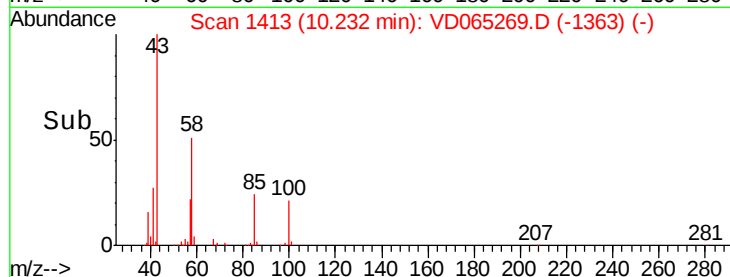
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.876 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065269.D

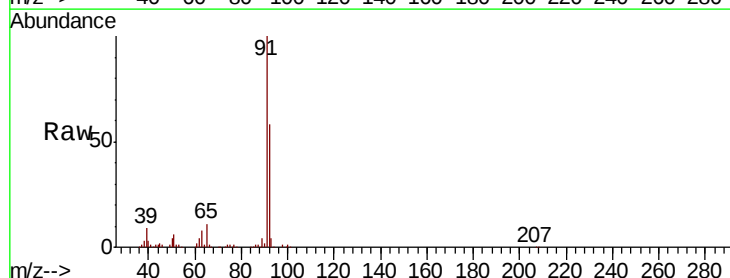
Acq: 21 Feb 2020 12:17

Tgt Ion: 92 Resp: 255421

Ion Ratio Lower Upper

92 100

91 174.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

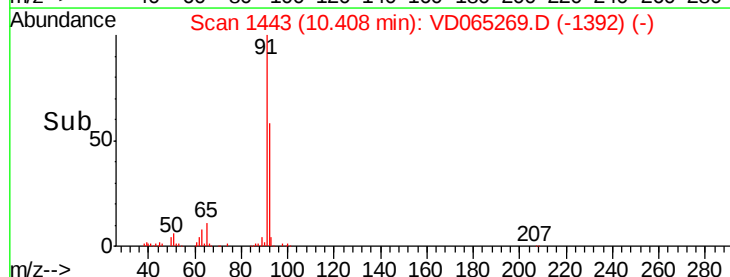
150000

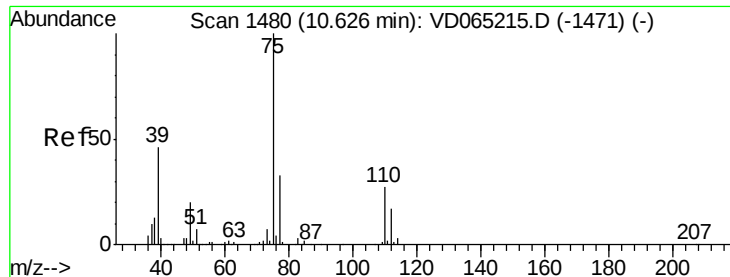
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.823 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

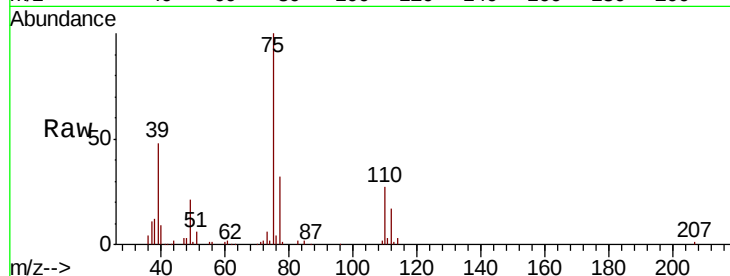
ClientSampleId :

Tot Ion: 75 Resp: 115641

Ion Ratio Lower Upper

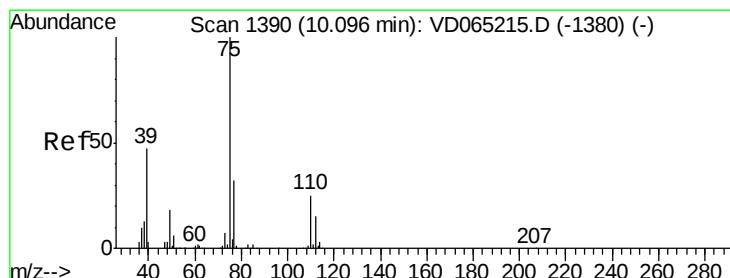
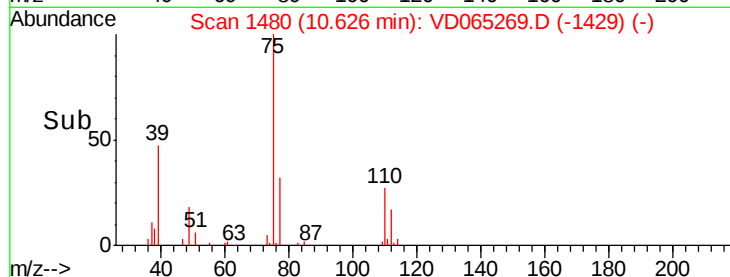
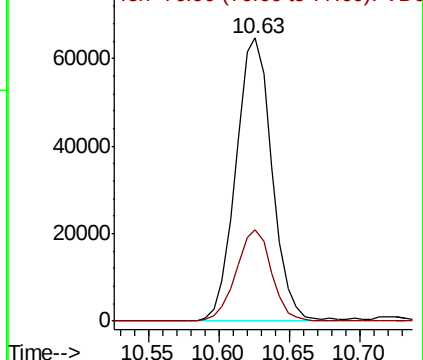
75 100

77 32.4 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.647 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

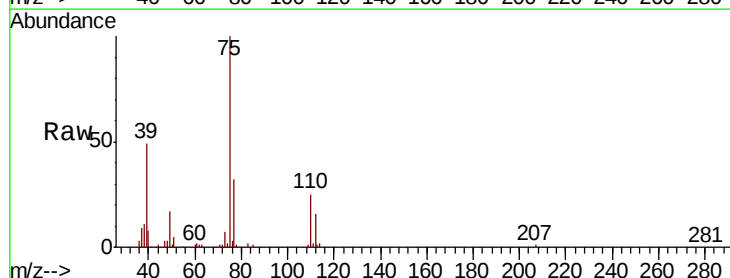
Tgt Ion: 75 Resp: 146097

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

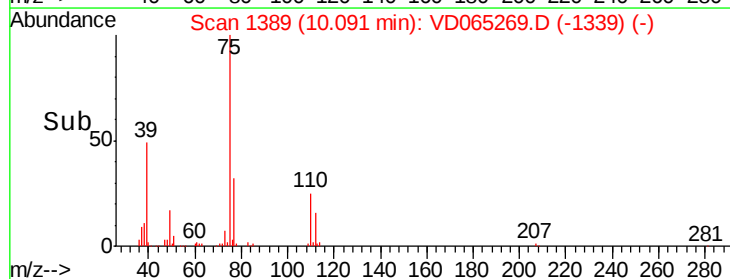
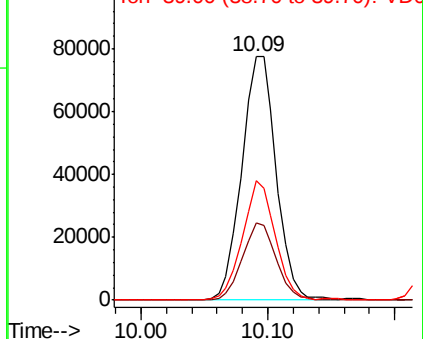
39 48.6 37.3 55.9

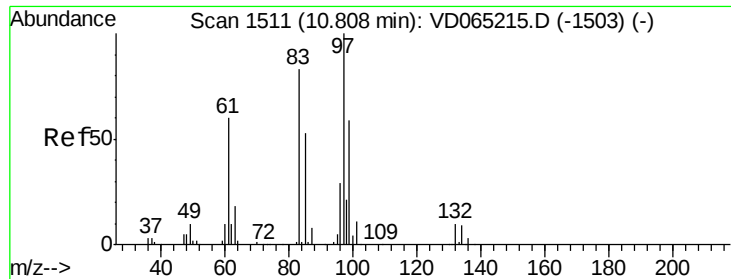


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

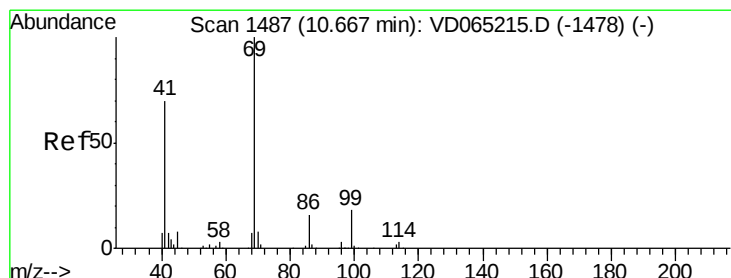
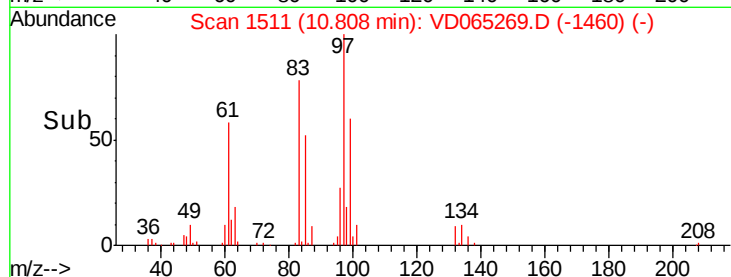
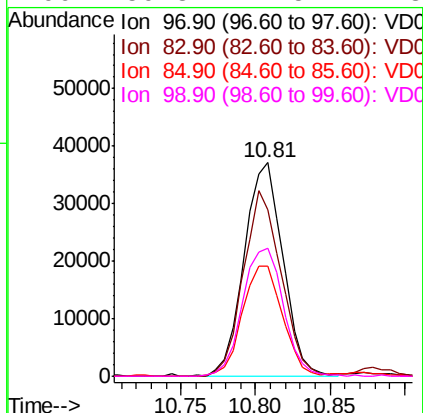
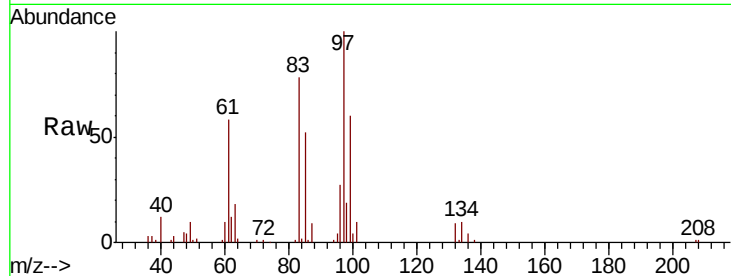




#55
 1,1,2-Trichloroethane
 Concen: 17.902 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

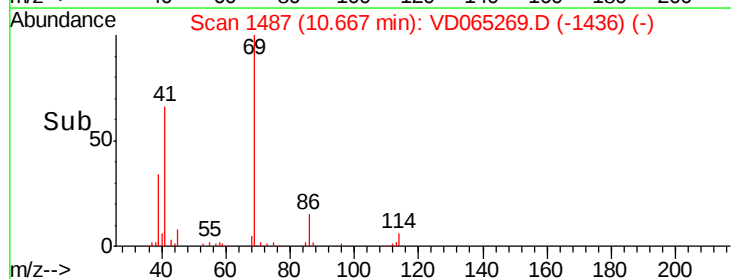
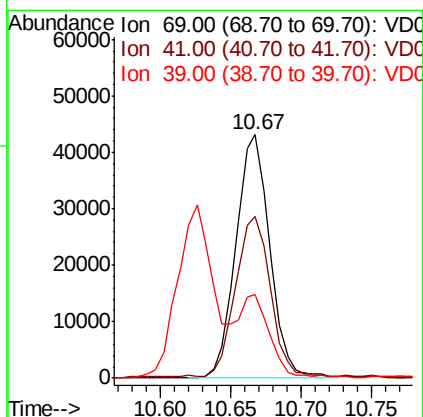
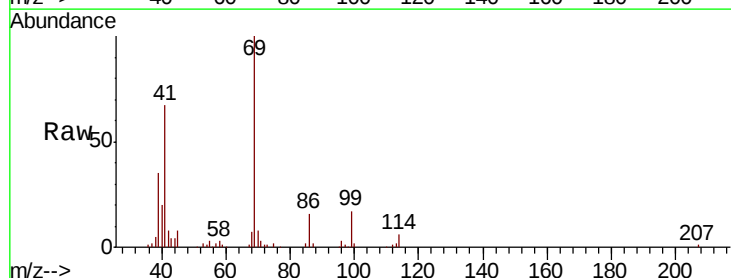
Instrument :
 MSVOA_D
 ClientSampleID :

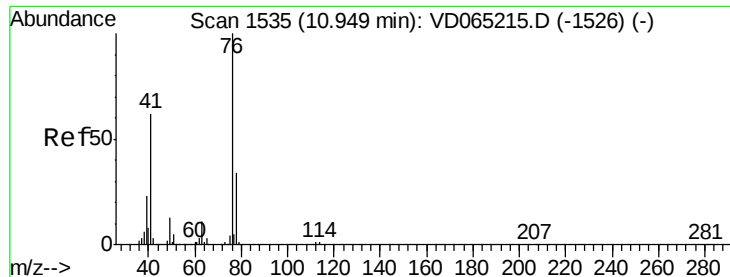
Tot Ion:	97	Resp:	66929
Ion	Ratio	Lower	Upper
97	100		
83	77.8	66.7	100.1
85	51.6	42.4	63.6
99	59.8	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 16.818 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion:	69	Resp:	72574
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.6	81.8
39	31.5	26.5	39.7





#57

1,3-Dichloropropane

Concen: 18.292 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

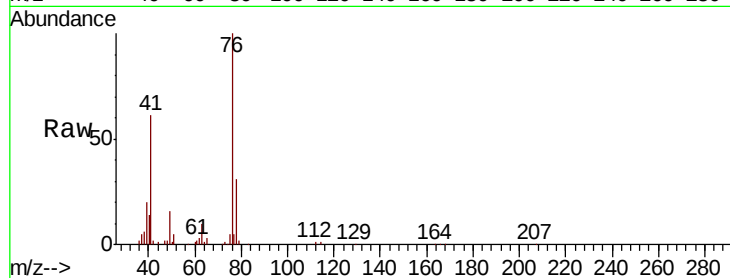
ClientSampleId :

Tot Ion: 76 Resp: 116393

Ion Ratio Lower Upper

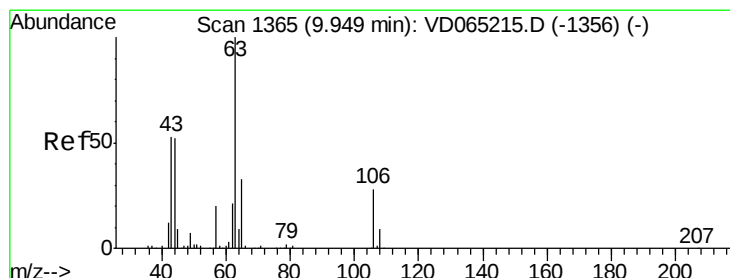
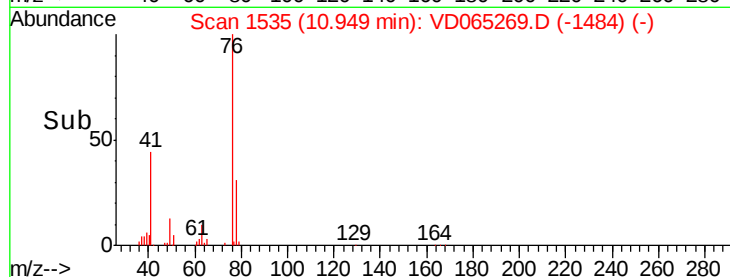
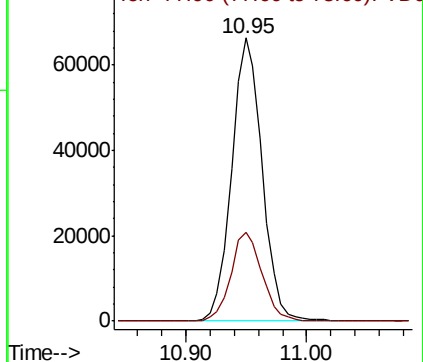
76 100

78 31.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 84.798 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065269.D

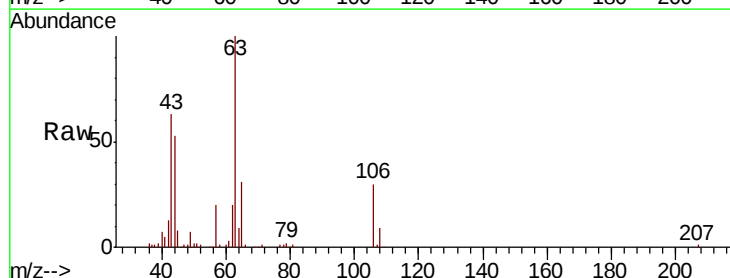
Acq: 21 Feb 2020 12:17

Tgt Ion: 63 Resp: 115362

Ion Ratio Lower Upper

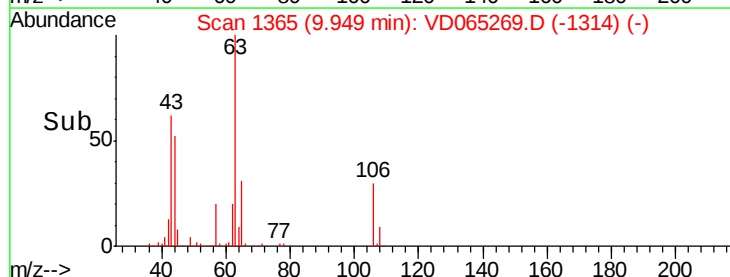
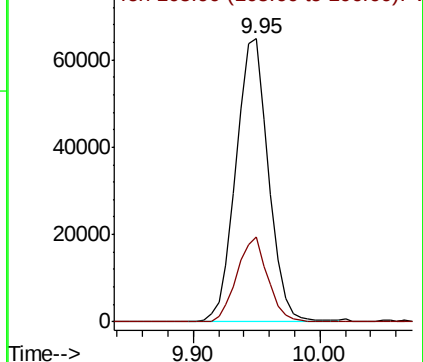
63 100

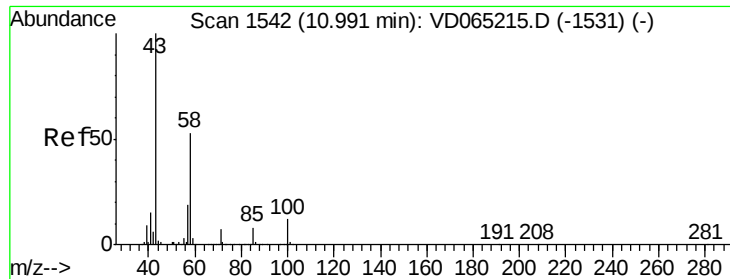
106 28.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

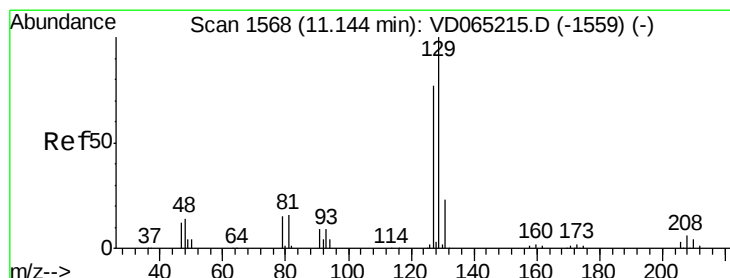
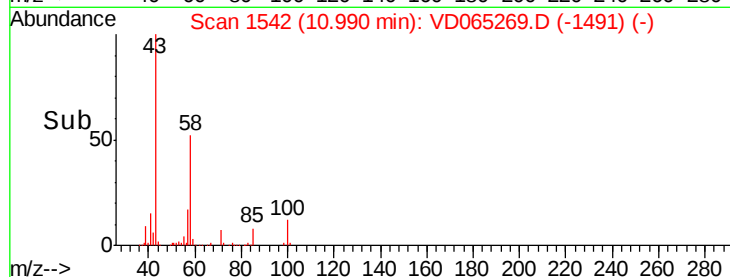
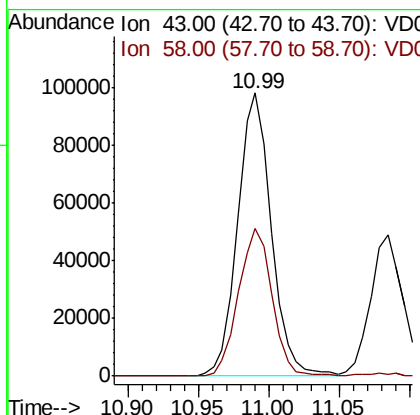
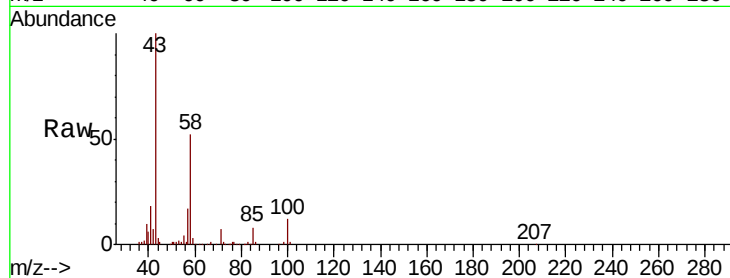




#59
2-Hexanone
Concen: 80.396 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

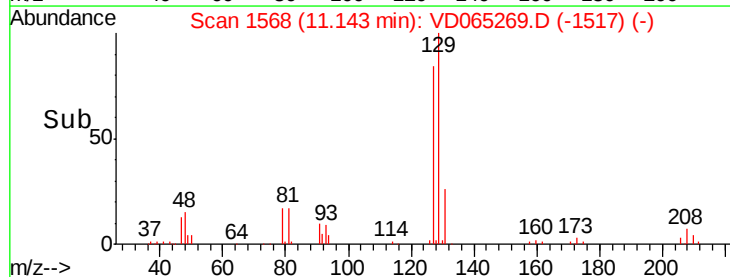
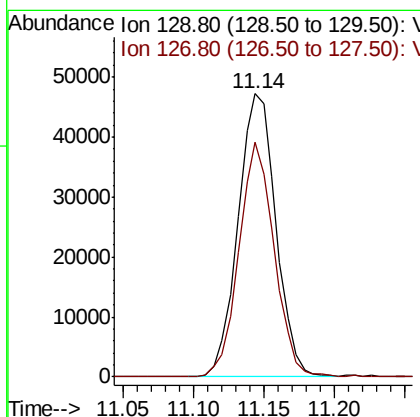
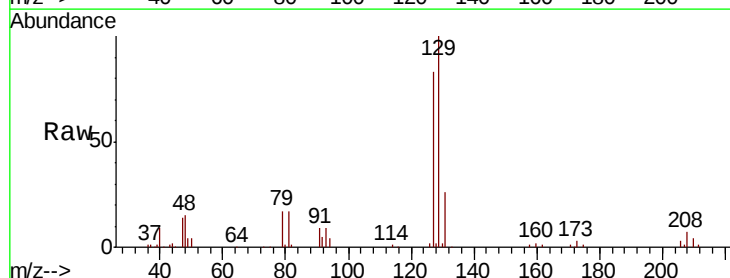
Instrument :
MSVOA_D
ClientSampled :

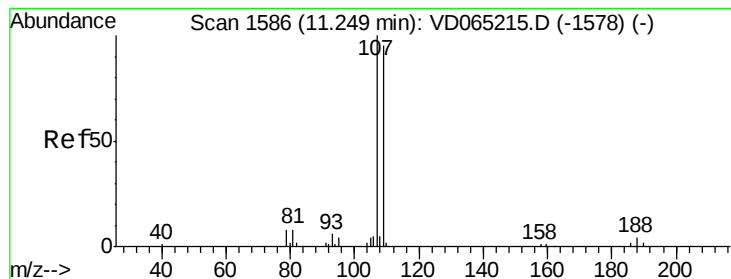
Tot Ion: 43 Resp: 163446
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.8



#60
Dibromochloromethane
Concen: 18.509 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:129 Resp: 88566
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 17.602 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

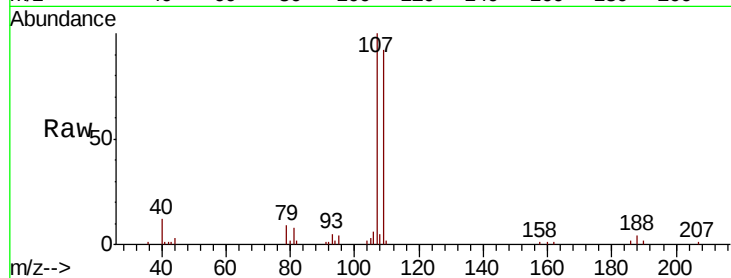
ClientSampleId :

Tot Ion:107 Resp: 62307

Ion Ratio Lower Upper

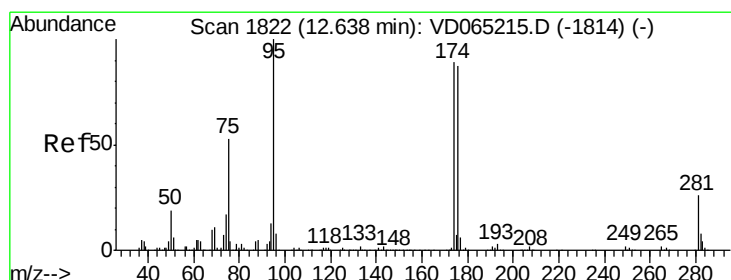
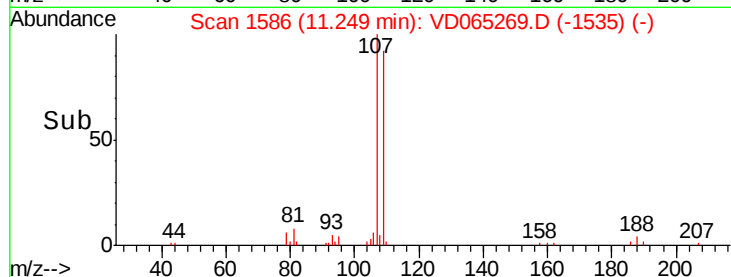
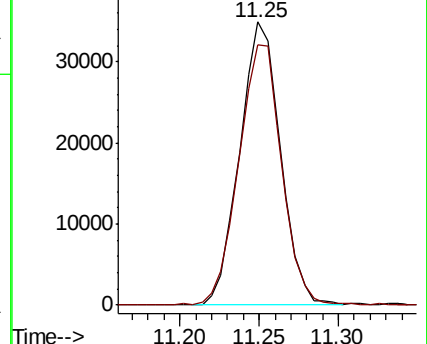
107 100

109 96.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.620 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

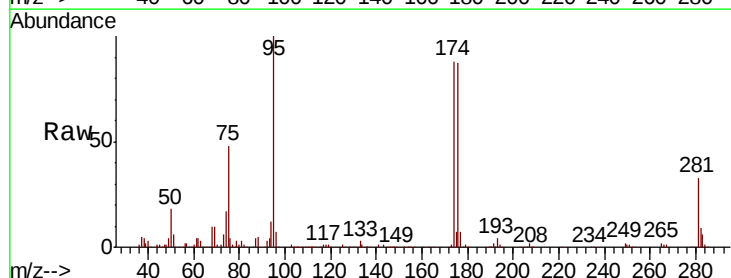
Tgt Ion: 95 Resp: 265820

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.0

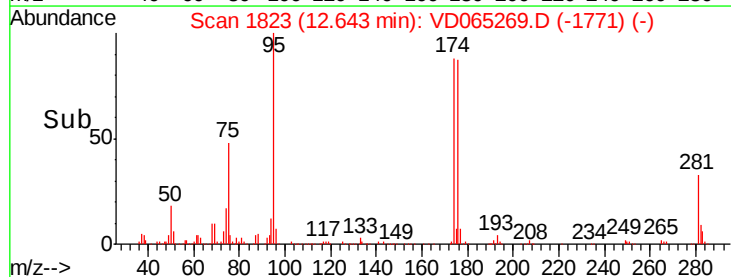
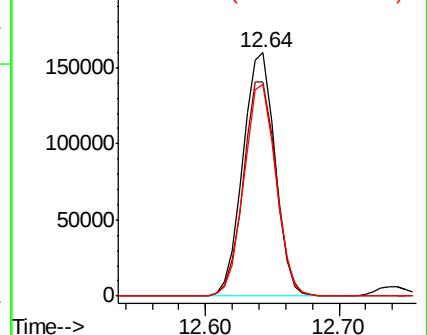
176 86.6 0.0 174.4

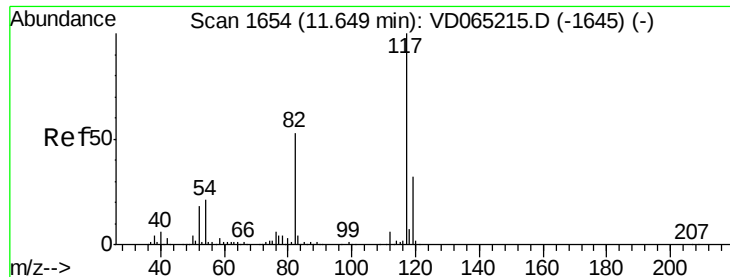


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

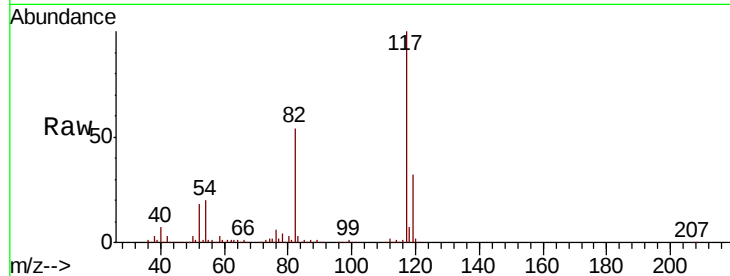




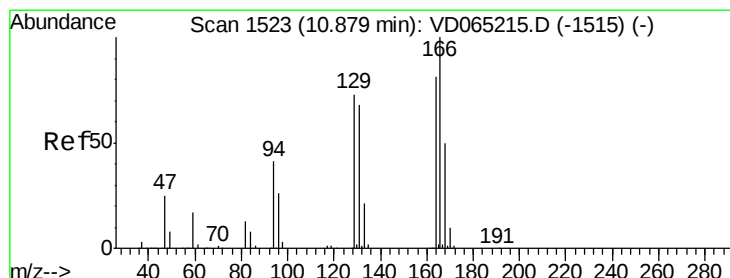
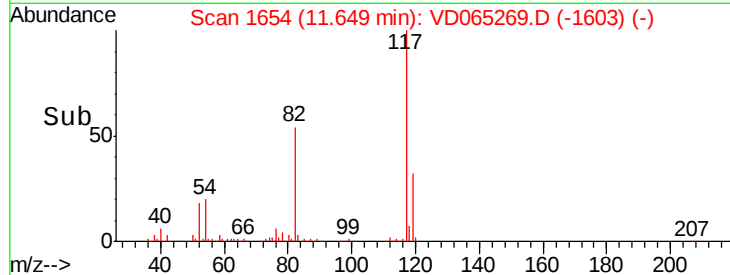
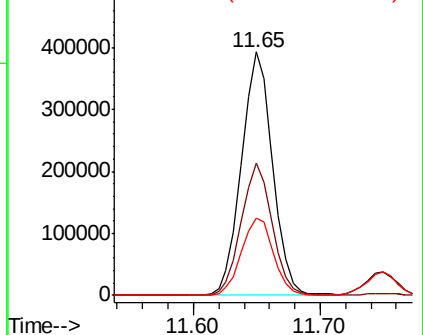
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 670160
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 31.7 25.5 38.3

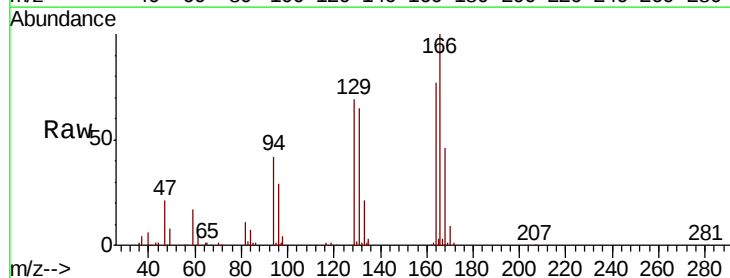


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

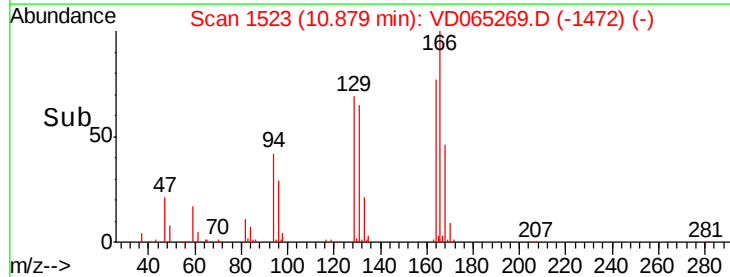
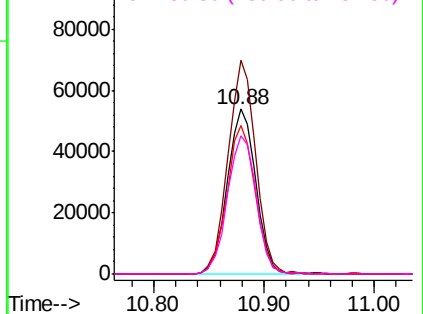


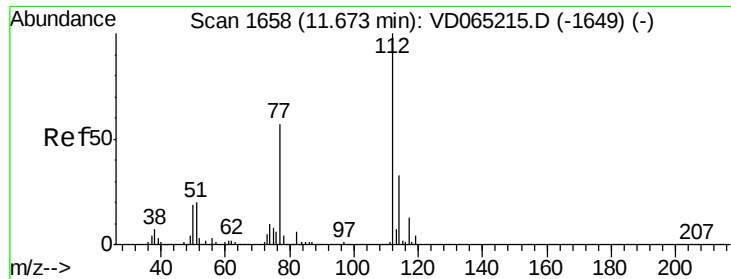
#64
Tetrachloroethene
Concen: 20.517 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:164 Resp: 97516
Ion Ratio Lower Upper
164 100
166 129.6 98.4 147.6
129 90.1 71.6 107.4
131 83.7 67.3 100.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

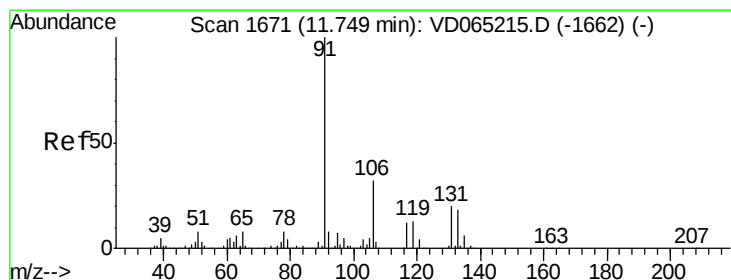
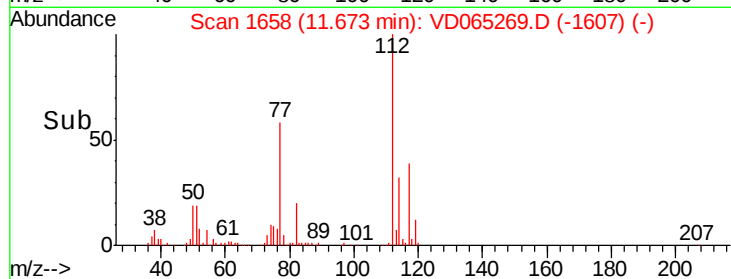
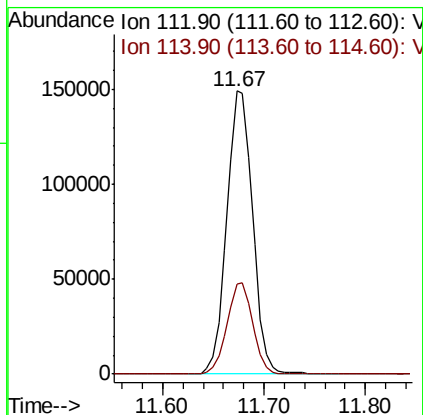
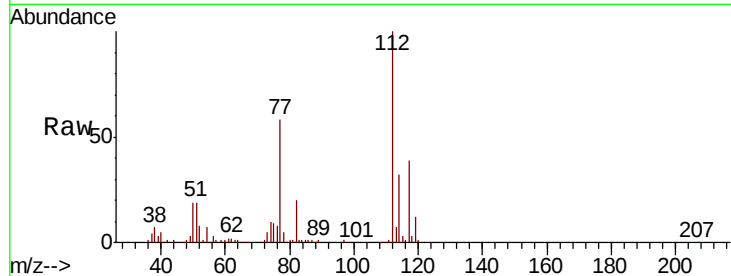




#65
Chlorobenzene
Concen: 19.606 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

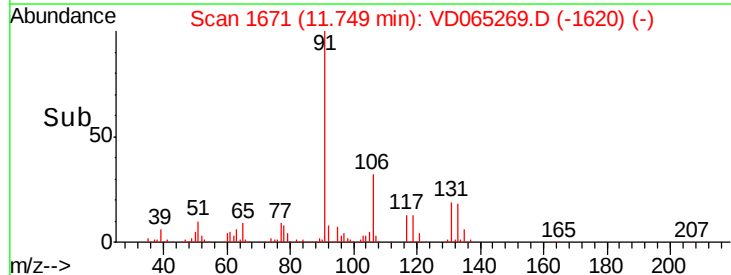
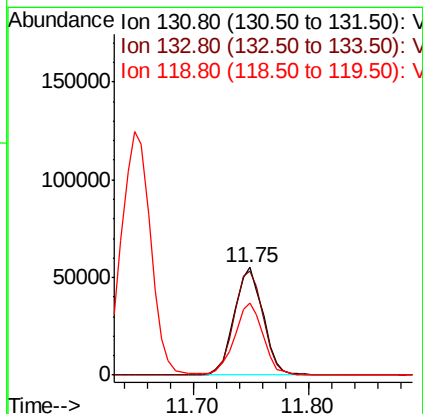
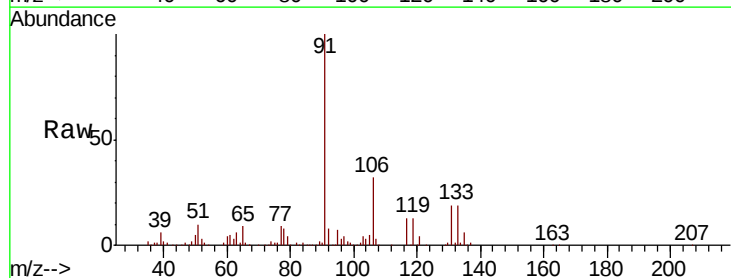
Instrument :
MSVOA_D
ClientSampleId :

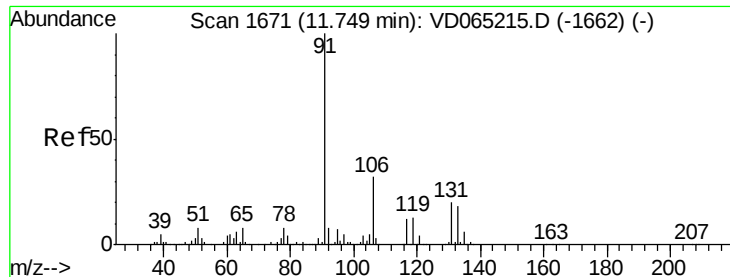
Tot Ion:112 Resp: 263672
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.971 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:131 Resp: 95207
Ion Ratio Lower Upper
131 100
133 98.6 47.7 143.1
119 67.2 32.7 98.1





#67

Ethyl Benzene

Concen: 19.967 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

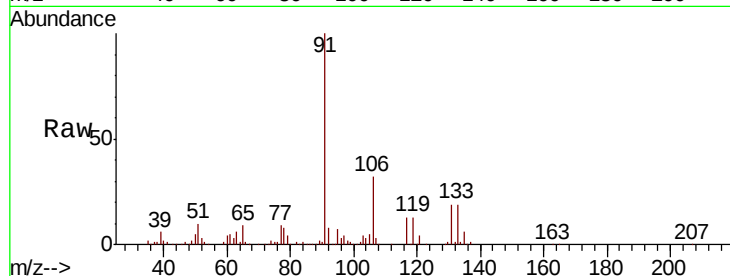
ClientSampled :

Tot Ion: 91 Resp: 470305

Ion Ratio Lower Upper

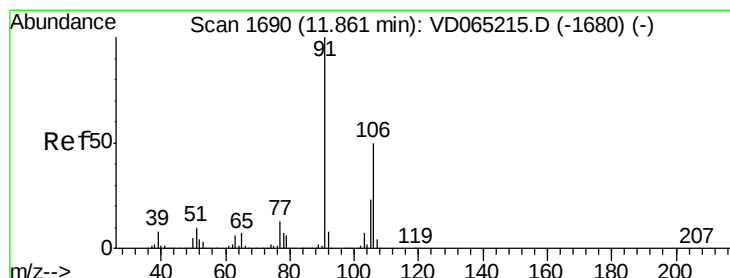
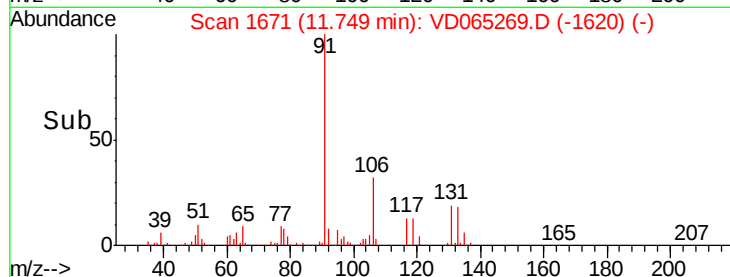
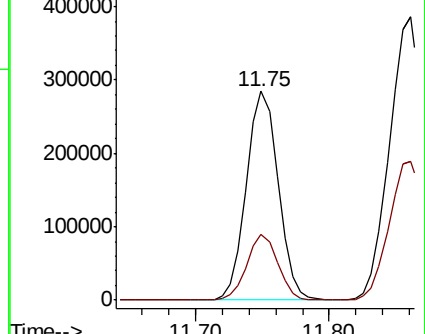
91 100

106 31.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.158 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065269.D

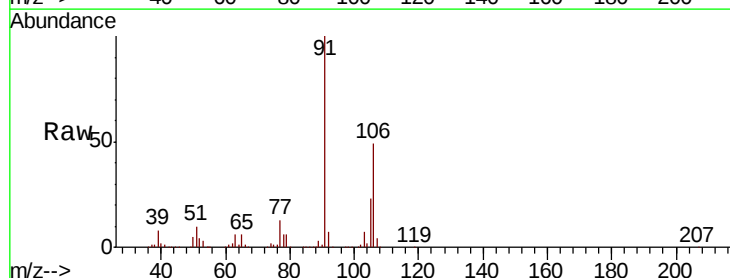
Acq: 21 Feb 2020 12:17

Tgt Ion: 106 Resp: 361882

Ion Ratio Lower Upper

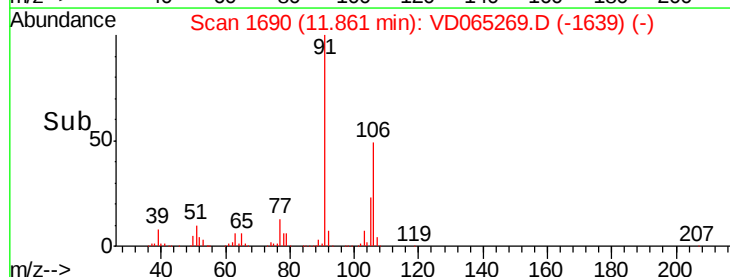
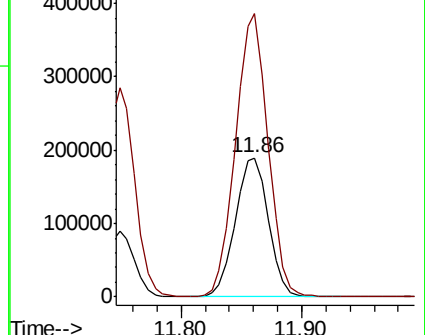
106 100

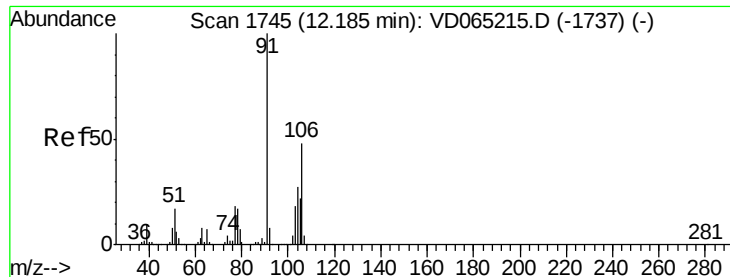
91 200.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

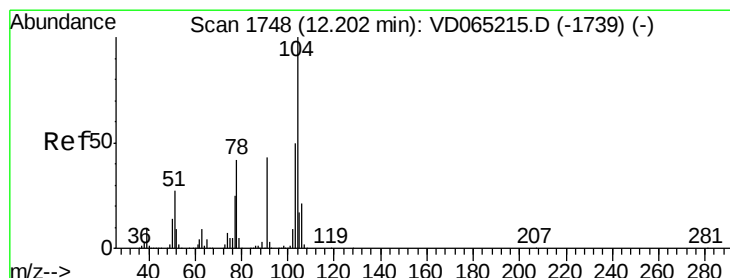
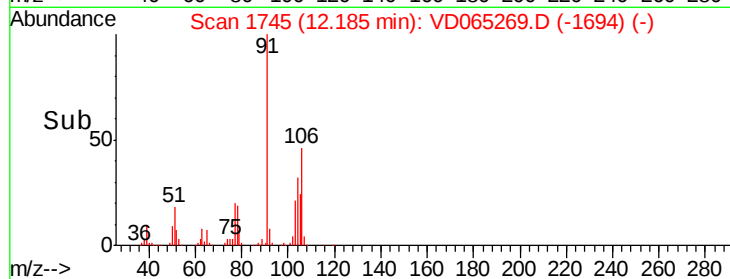
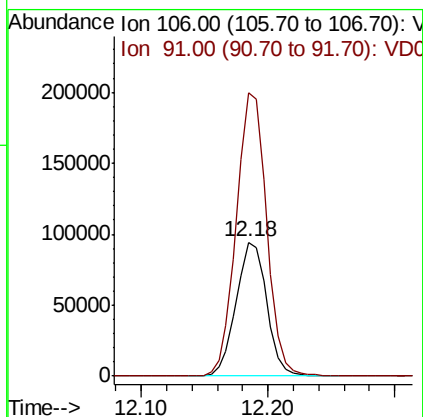
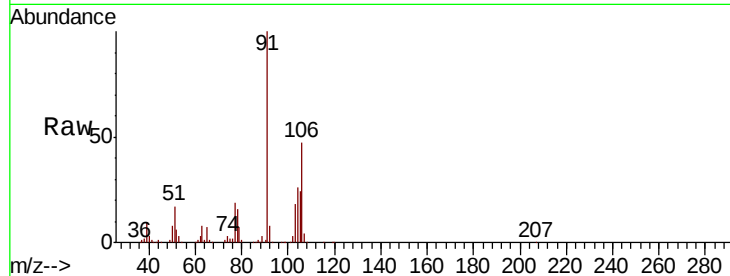




#69
o-Xylene
Concen: 19.721 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

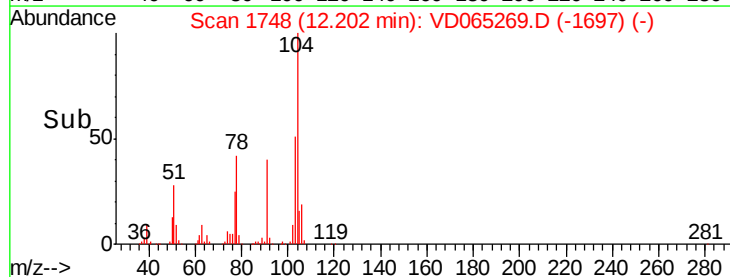
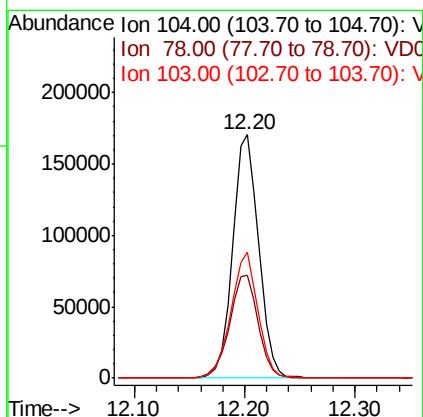
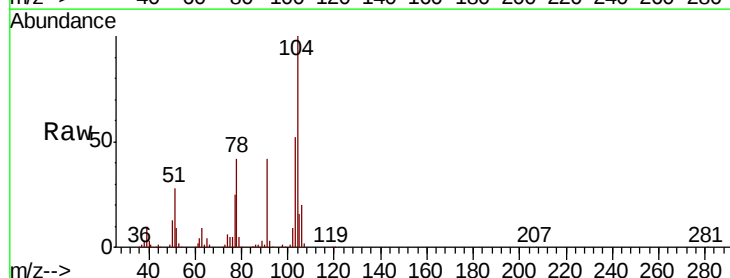
Instrument :
MSVOA_D
ClientSampled :

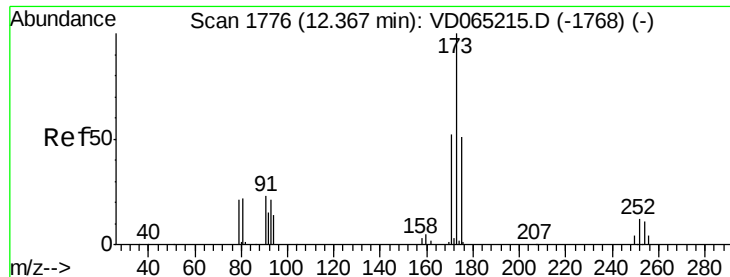
Tot Ion:106 Resp: 157448
Ion Ratio Lower Upper
106 100
91 210.1 104.7 313.9



#70
Styrene
Concen: 19.923 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:104 Resp: 282397
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 53.7 43.4 65.2





#71

Bromoform

Concen: 17.811 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

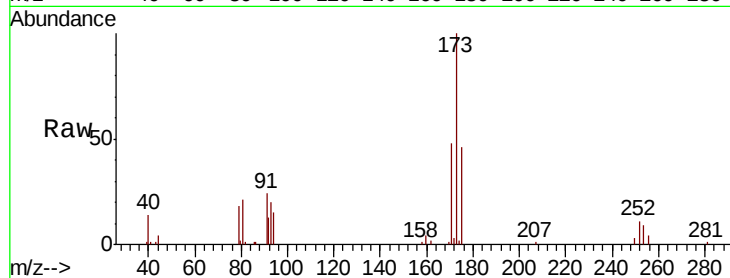
Tot Ion:173 Resp: 49602

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

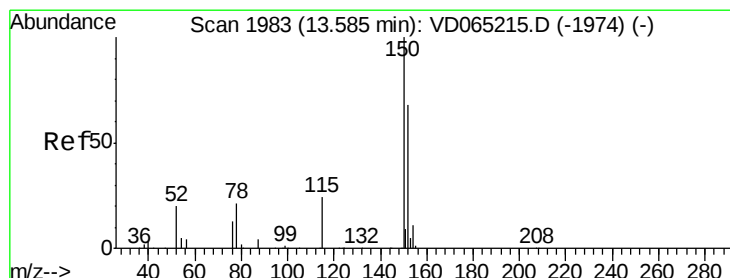
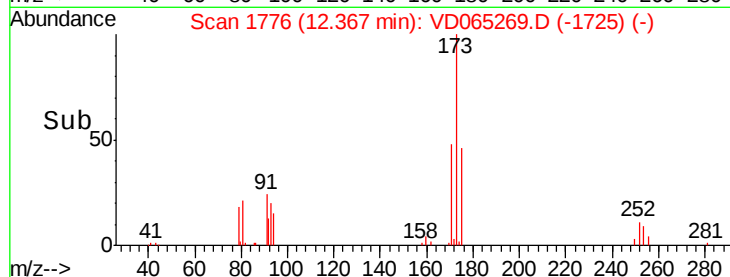
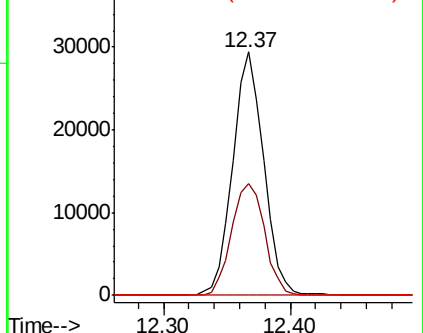
254 0.0 0.0 0.0



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: VD065269.D

Acq: 21 Feb 2020 12:17

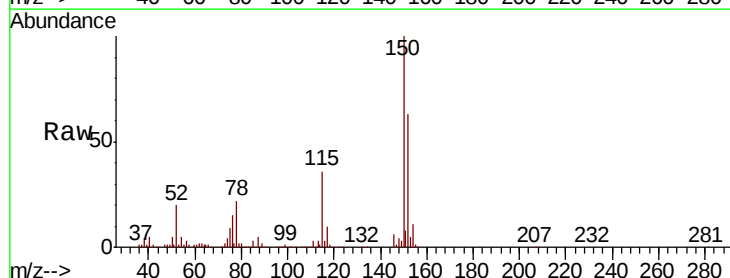
Tgt Ion:152 Resp: 325772

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

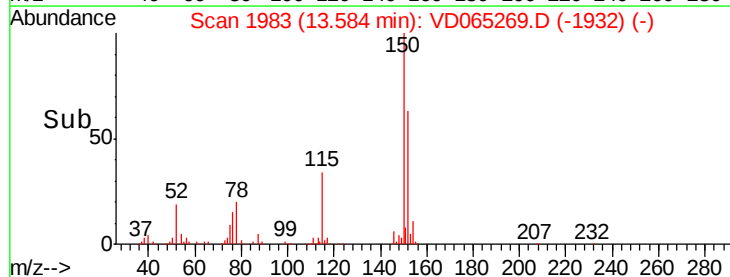
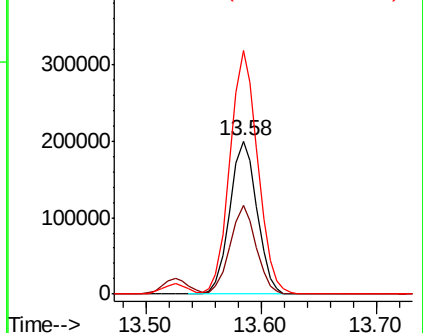
150 163.0 0.0 347.4

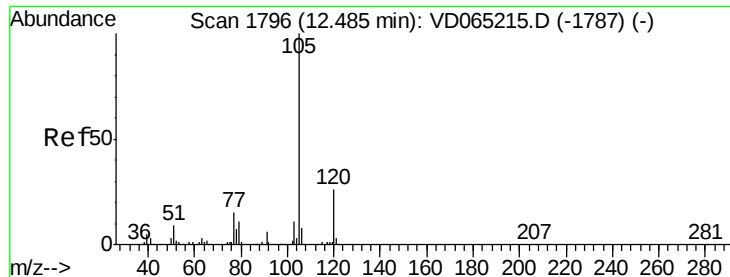


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.464 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

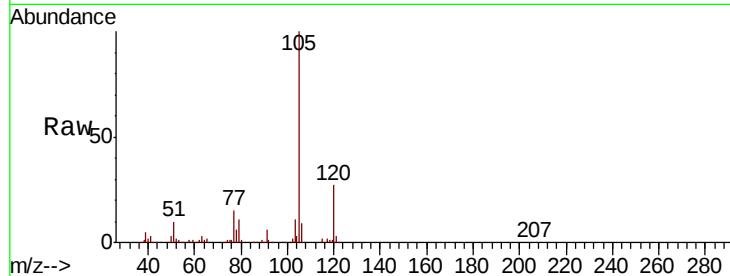
ClientSampleId :

Tot Ion:105 Resp: 441367

Ion Ratio Lower Upper

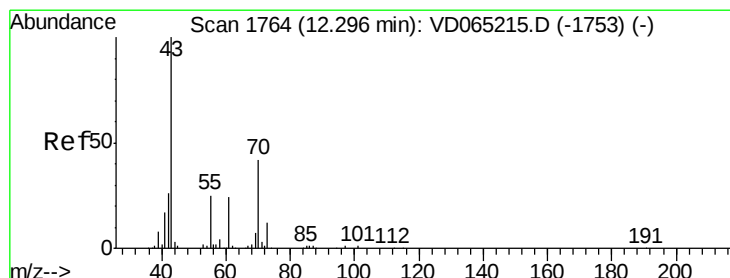
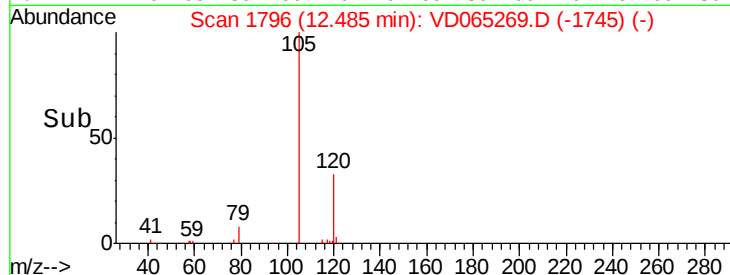
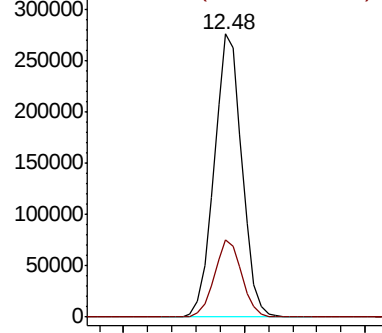
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.608 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Tgt Ion: 43 Resp: 79595

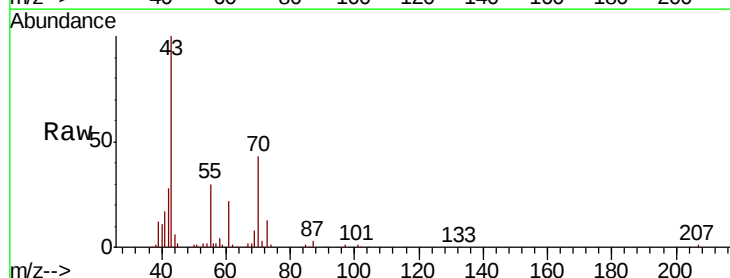
Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 29.4 20.7 31.1

61 23.6 19.0 28.4

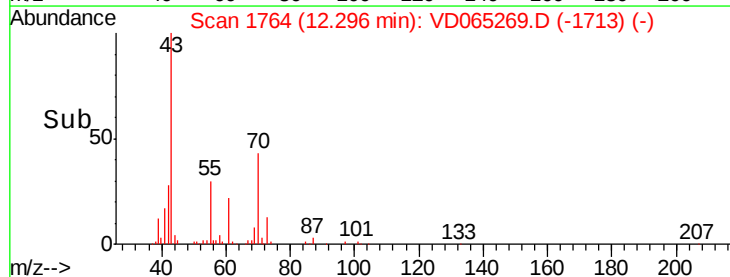
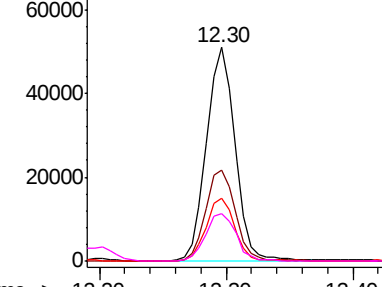


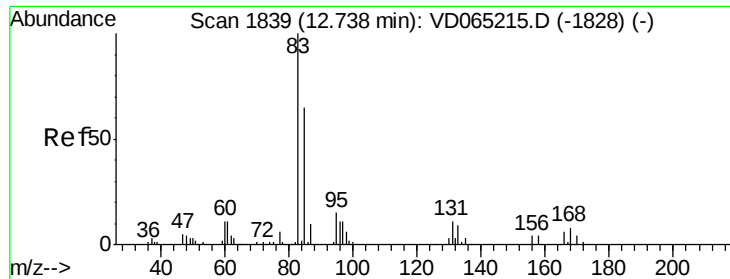
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.259 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampled :

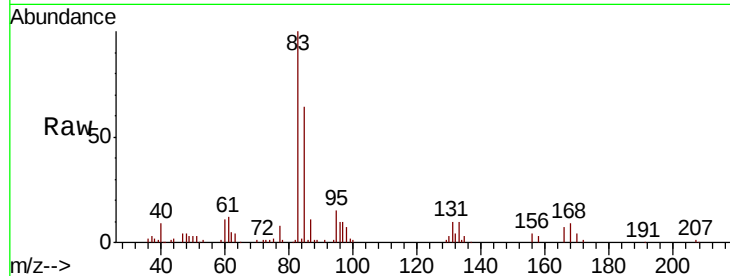
Tot Ion: 83 Resp: 71074

Ion Ratio Lower Upper

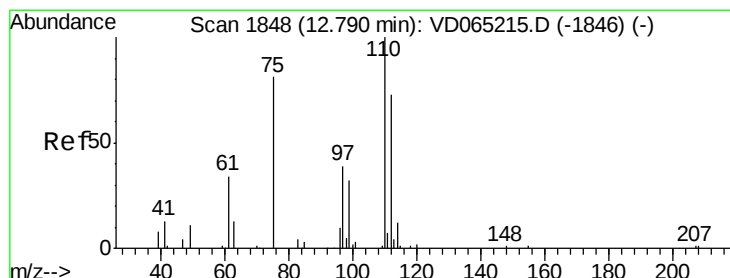
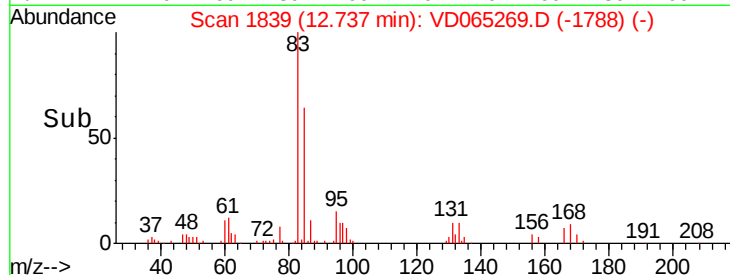
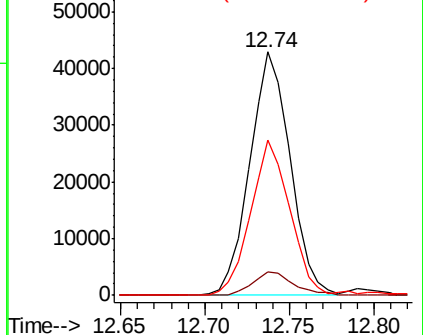
83 100

131 9.9 5.4 16.2

85 62.0 31.6 94.8



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: 32.803 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065269.D

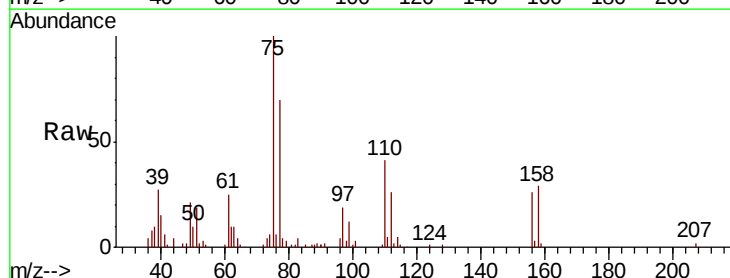
Acq: 21 Feb 2020 12:17

Tgt Ion: 75 Resp: 90921

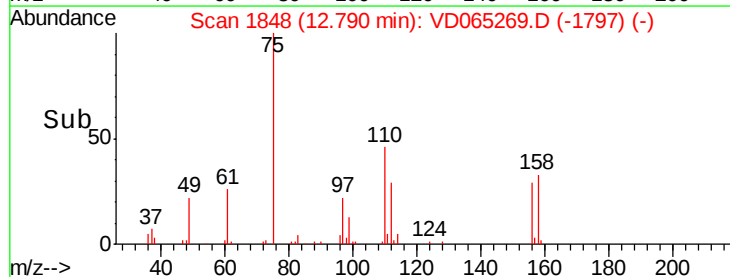
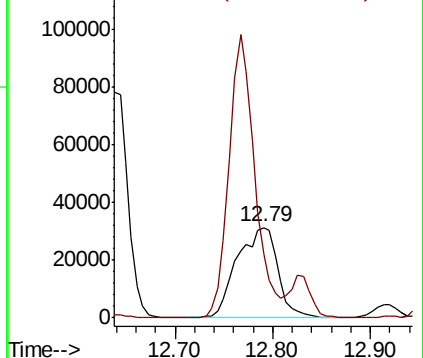
Ion Ratio Lower Upper

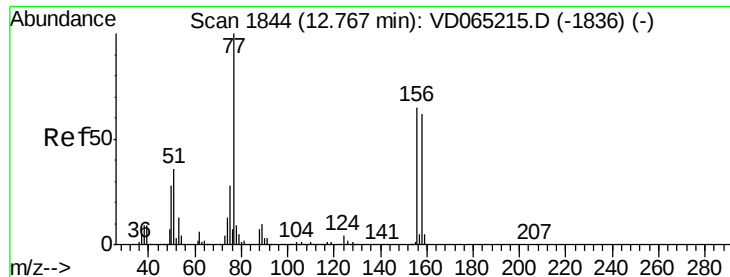
75 100

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: 19.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

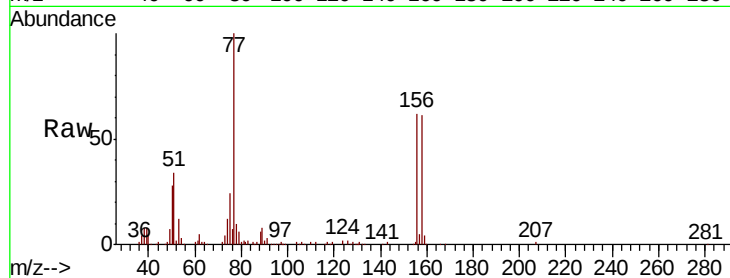
Tot Ion:156 Resp: 103523

Ion Ratio Lower Upper

156 100

77 174.4 86.6 259.7

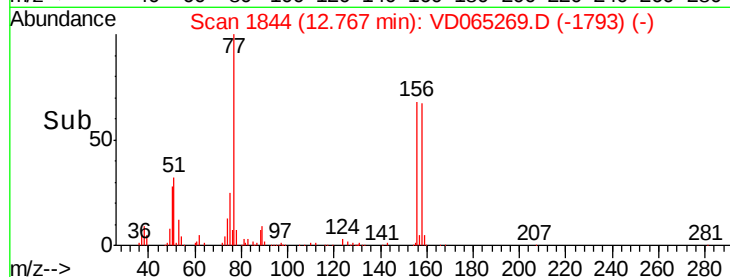
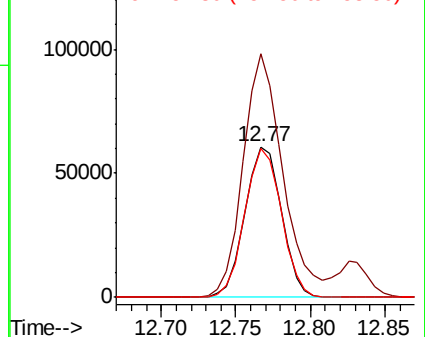
158 98.7 48.1 144.3



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: 20.798 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065269.D

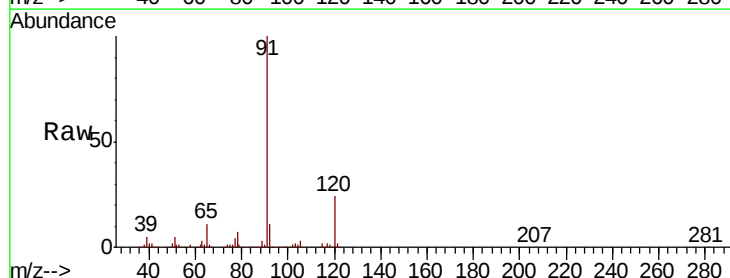
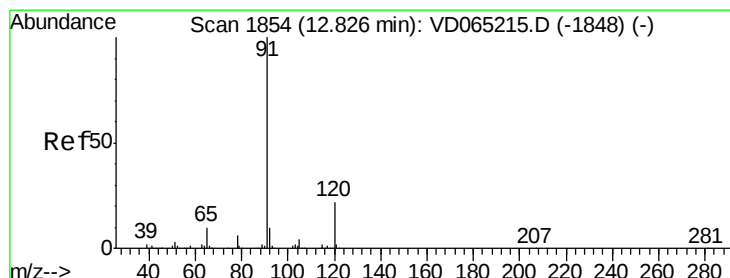
Acq: 21 Feb 2020 12:17

Tgt Ion: 91 Resp: 539045

Ion Ratio Lower Upper

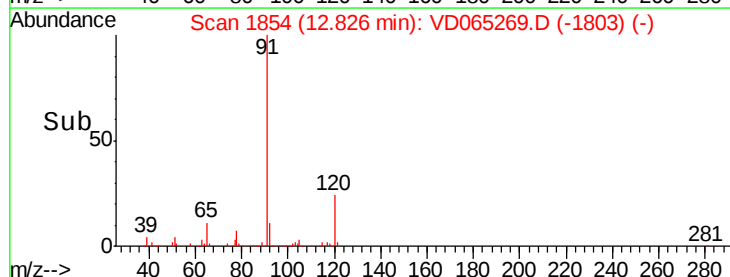
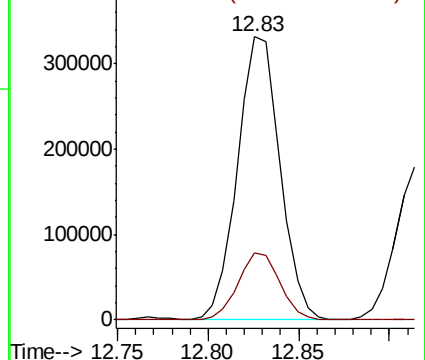
91 100

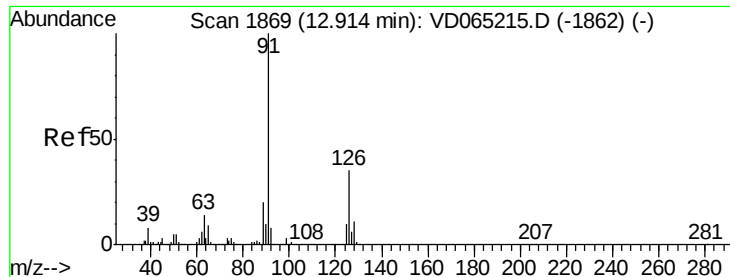
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

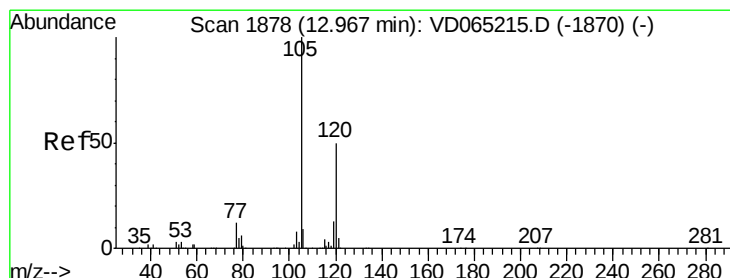
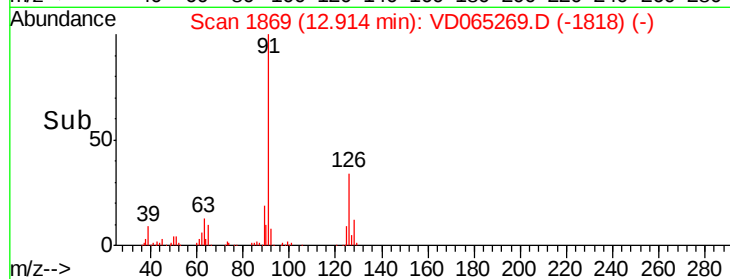
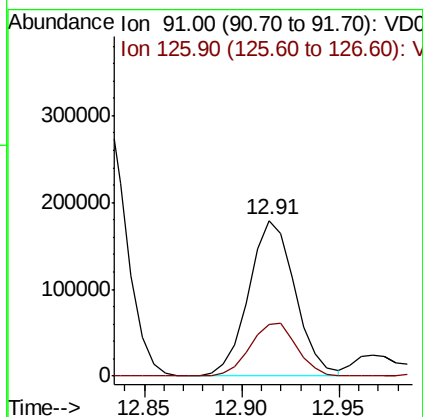
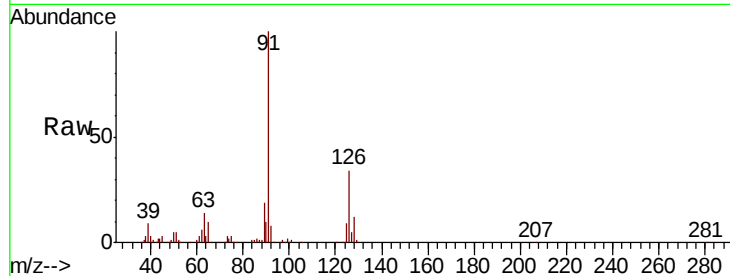




#79
 2-Chlorotoluene
 Concen: 20.301 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

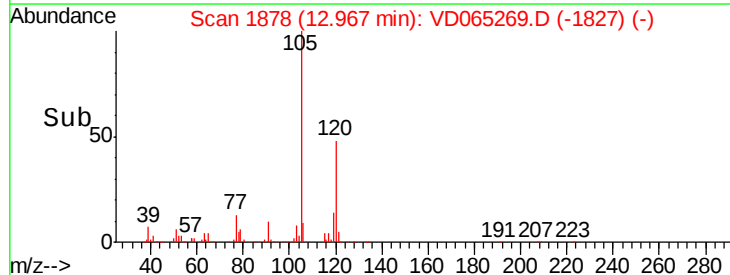
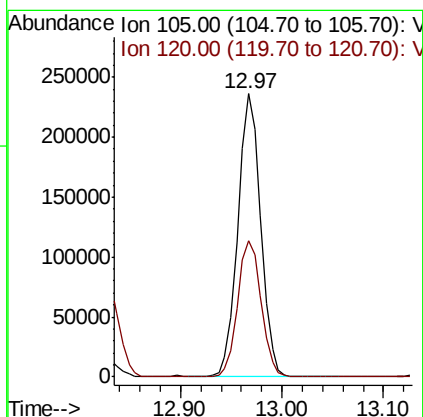
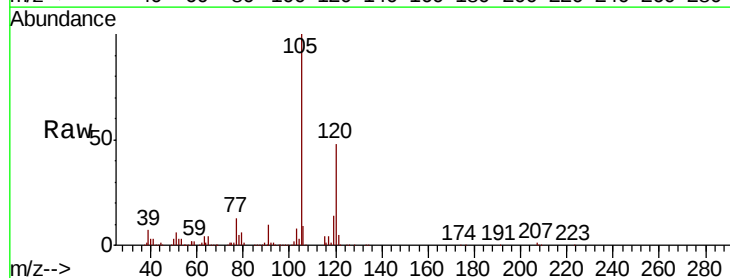
Instrument :
 MSVOA_D
 ClientSampleId :

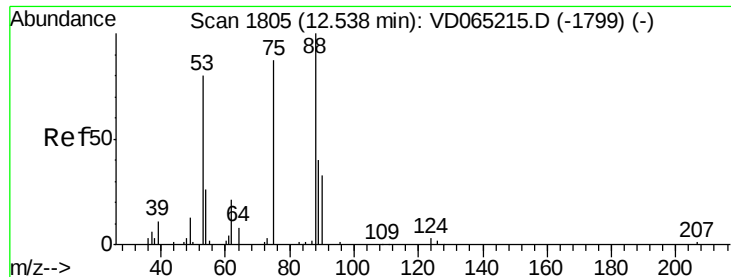
Tot Ion: 91 Resp: 294756
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.818 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion: 105 Resp: 369808
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.370 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065269.D

Acq: 21 Feb 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

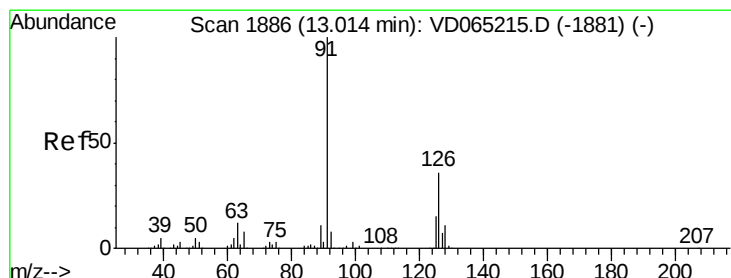
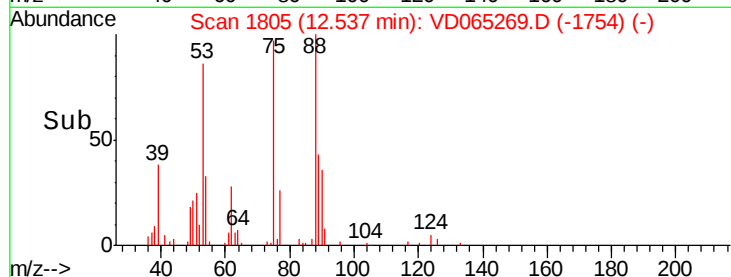
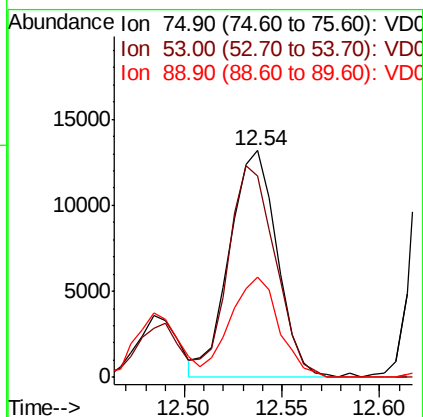
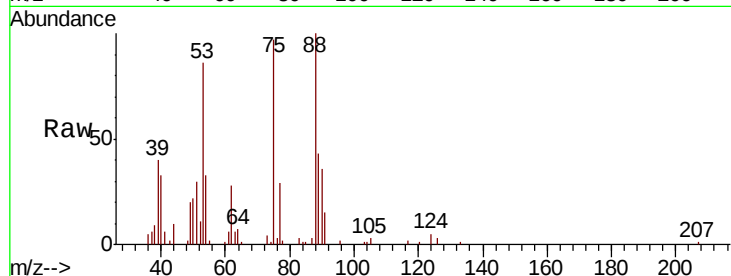
Tot Ion: 75 Resp: 22298

Ion Ratio Lower Upper

75 100

53 93.0 77.6 116.4

89 45.1 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.347 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065269.D

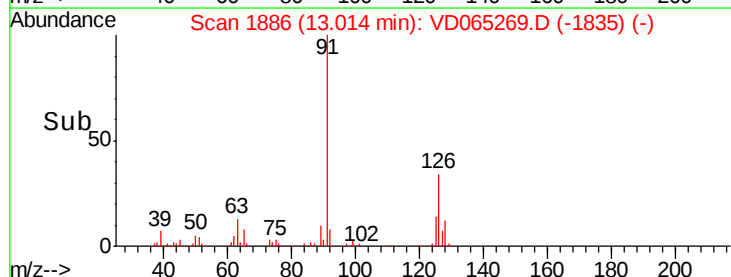
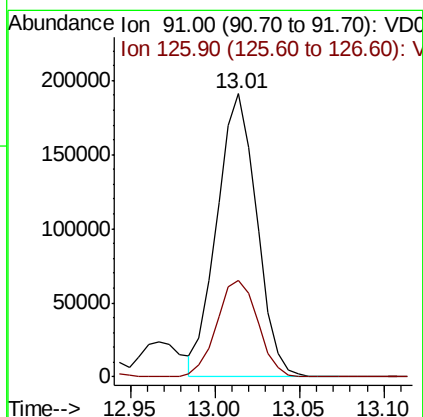
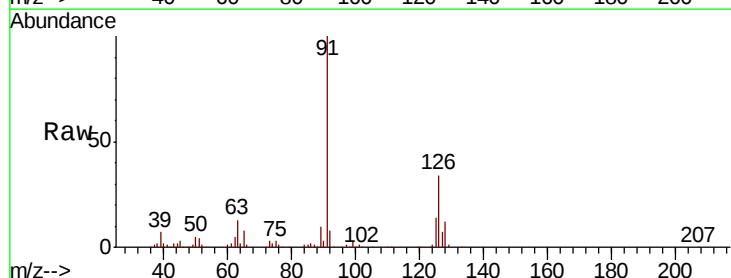
Acq: 21 Feb 2020 12:17

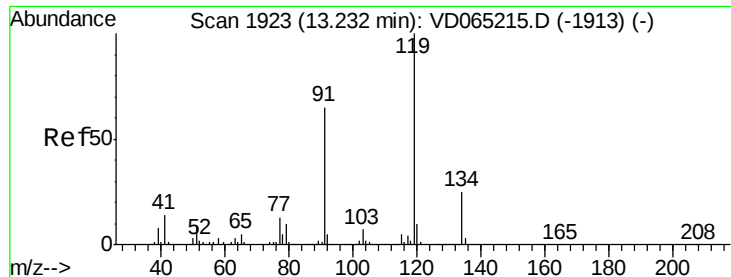
Tgt Ion: 91 Resp: 313637

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3

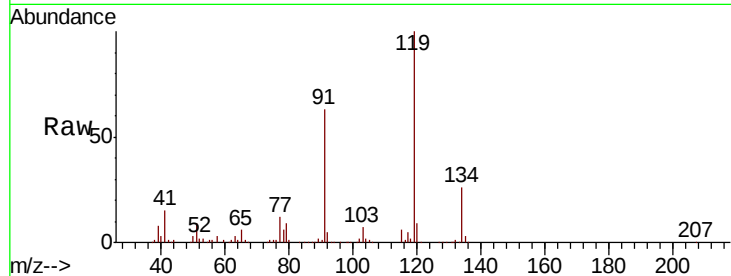




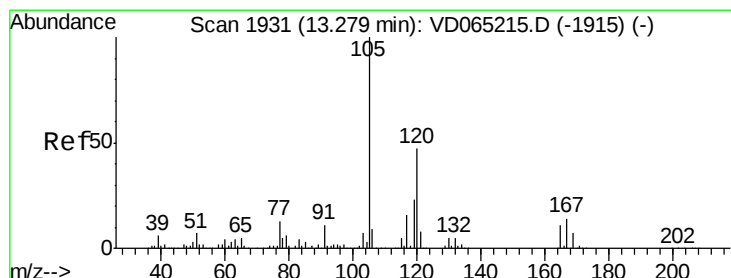
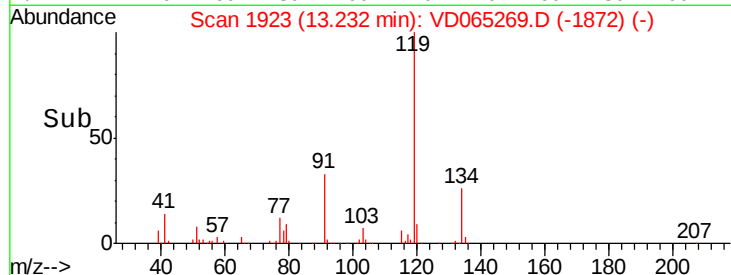
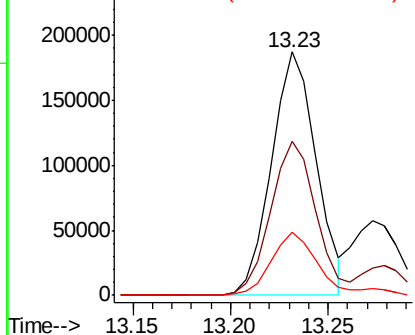
#83
tert-Butylbenzene
Concen: 19.984 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 297532
Ion Ratio Lower Upper
119 100
91 64.2 31.9 95.5
134 27.8 13.8 41.3

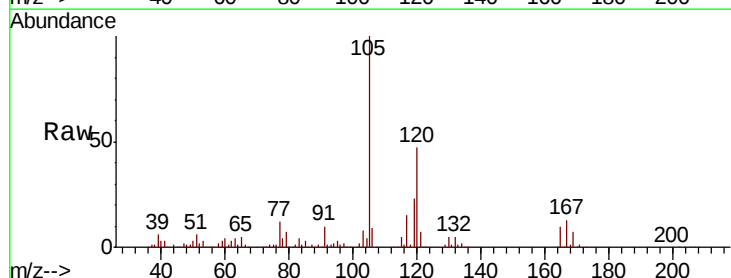


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

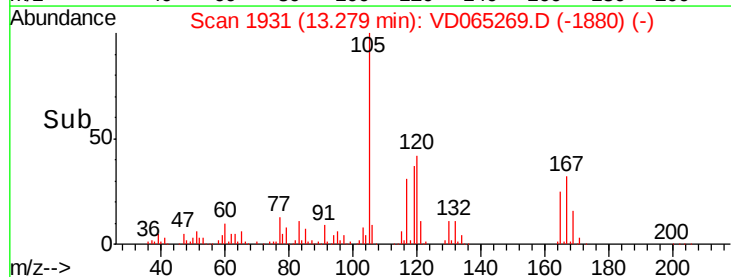
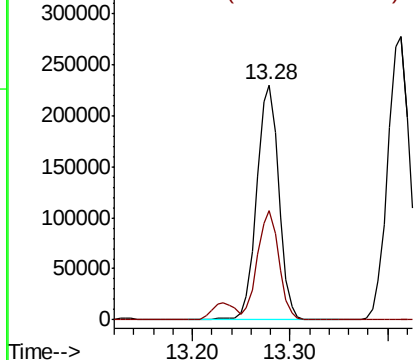


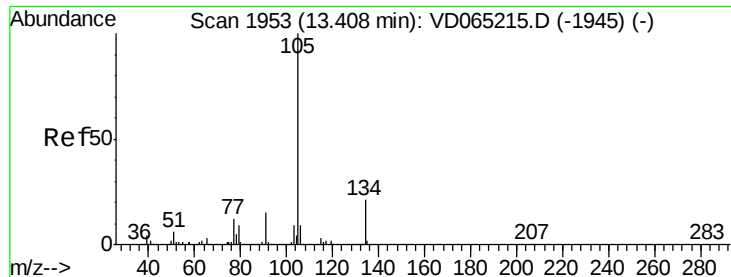
#84
1,2,4-Trimethylbenzene
Concen: 20.481 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion:105 Resp: 364146
Ion Ratio Lower Upper
105 100
120 45.4 23.3 69.9



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

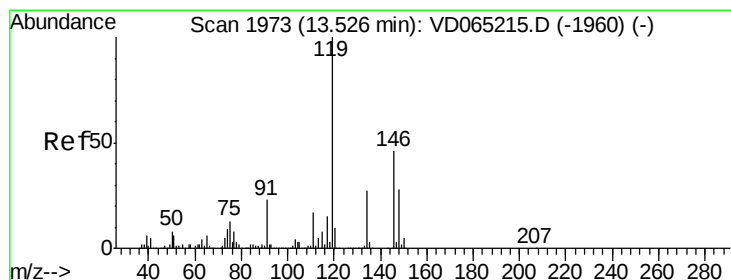
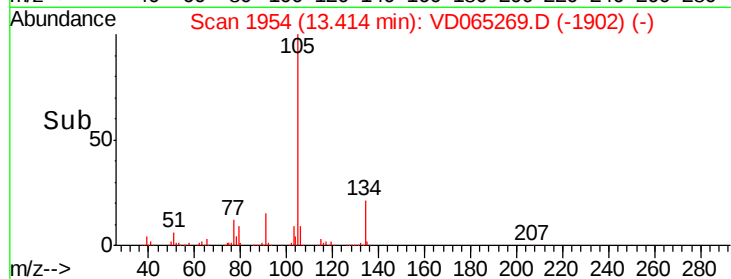
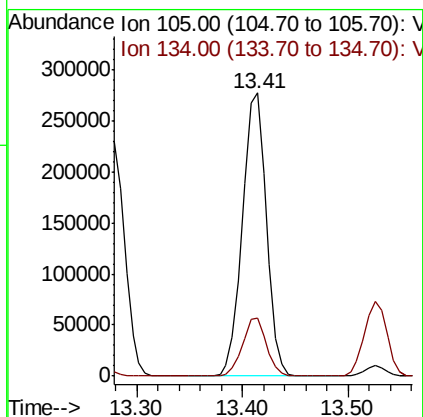
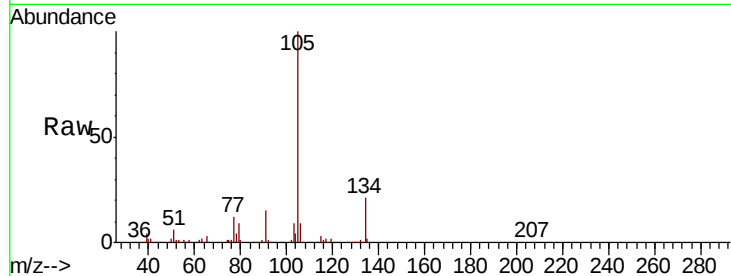




#85
 sec-Butylbenzene
 Concen: 20.373 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

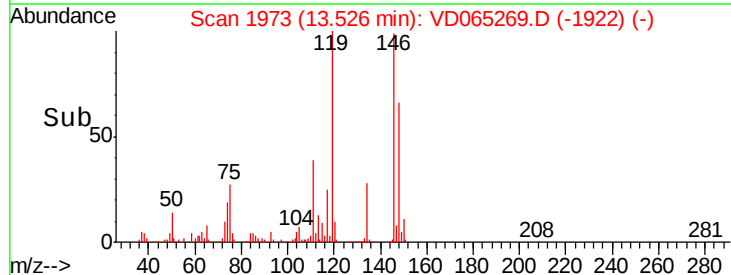
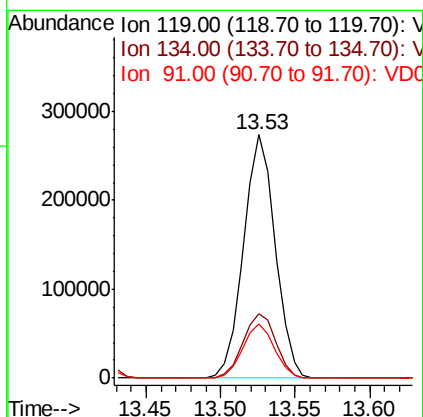
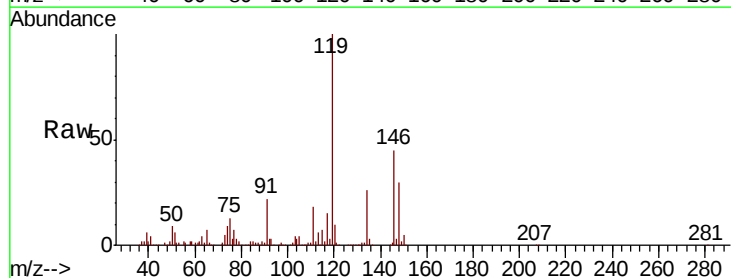
Instrument :
 MSVOA_D
 ClientSampled :

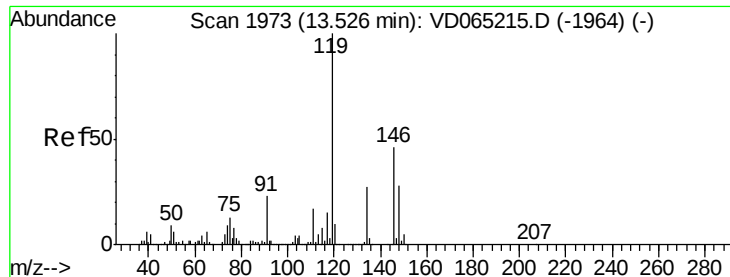
Tot Ion:105 Resp: 437064
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 20.464 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion:119 Resp: 401473
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.3 39.8
 91 22.0 11.1 33.1

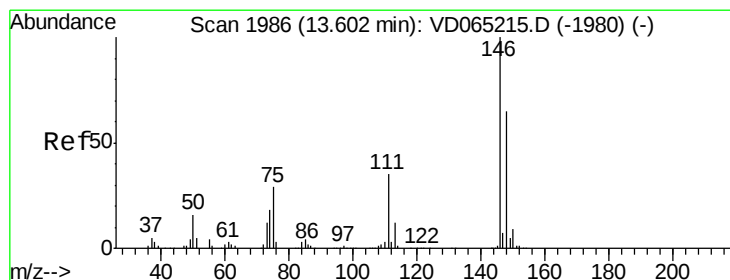
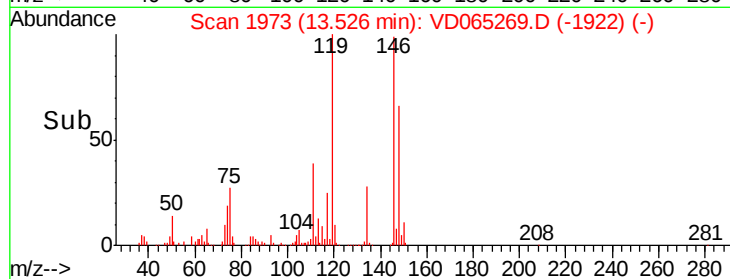
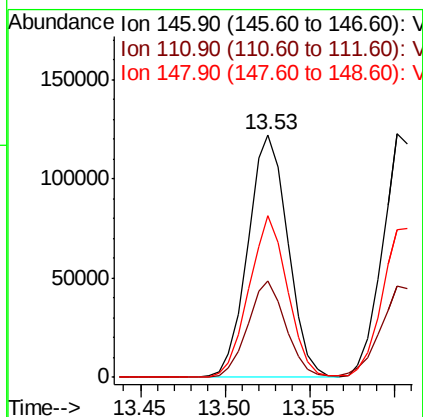
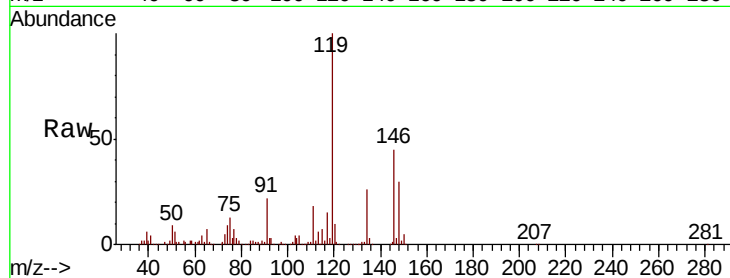




#87
 1,3-Dichlorobenzene
 Concen: 19.369 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

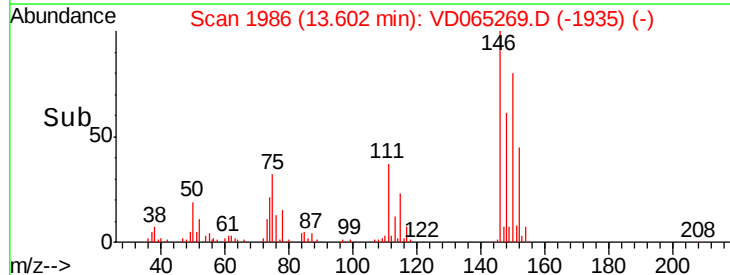
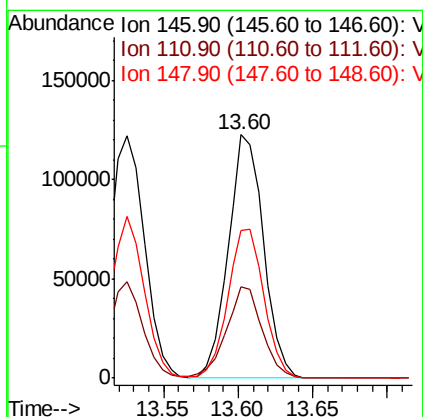
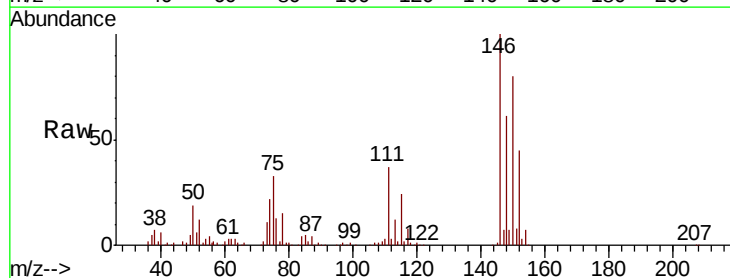
Instrument :
 MSVOA_D
 ClientSampleId :

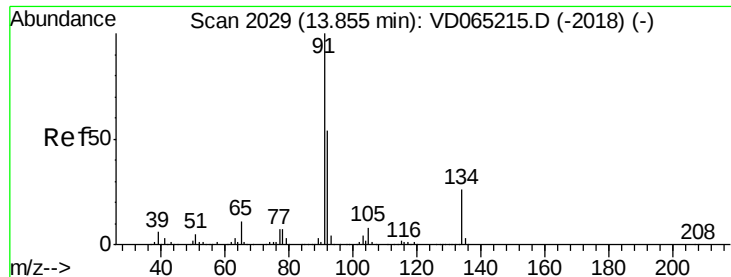
Tot Ion:146 Resp: 200542
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.773 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion:146 Resp: 202046
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.2
 148 63.1 32.1 96.5

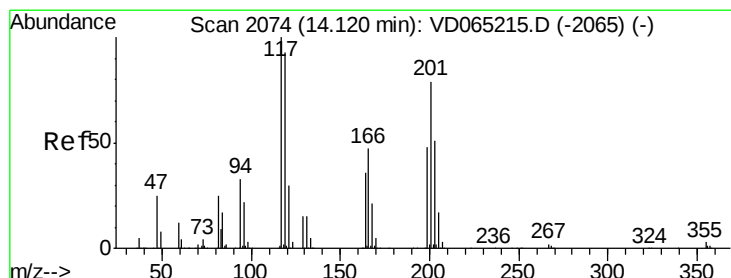
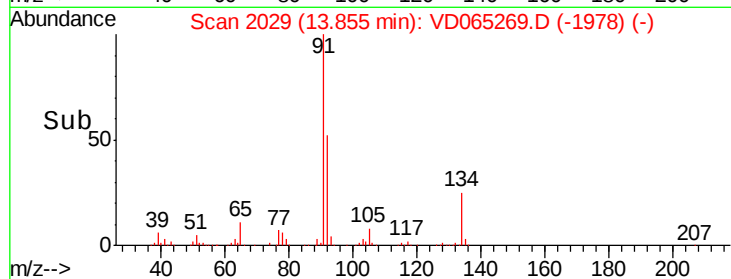
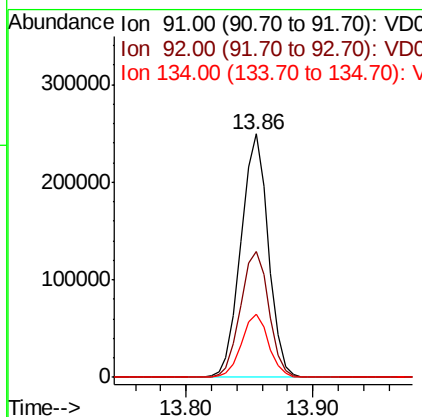
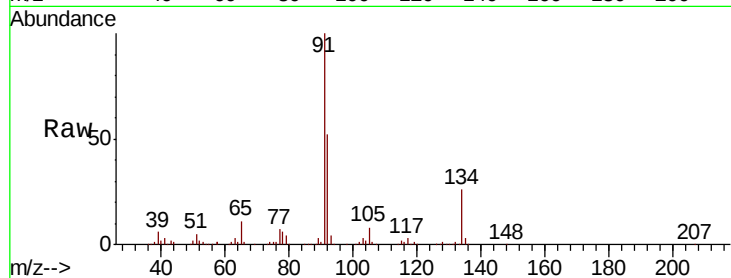




#89
n-Butylbenzene
Concen: 20.634 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

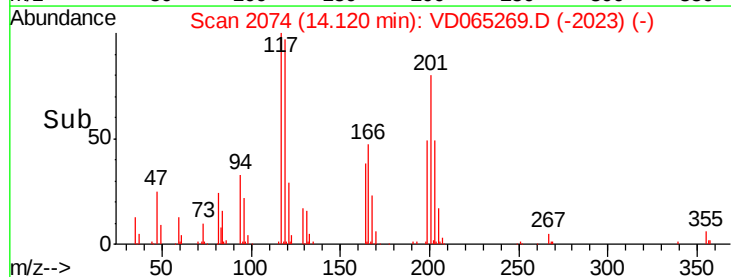
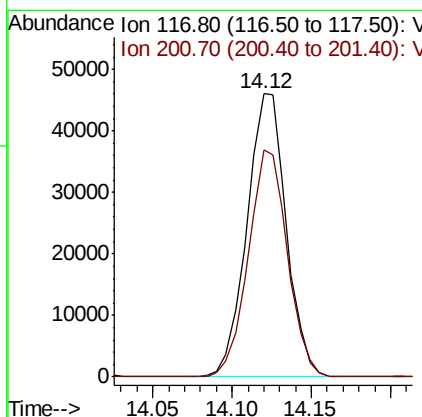
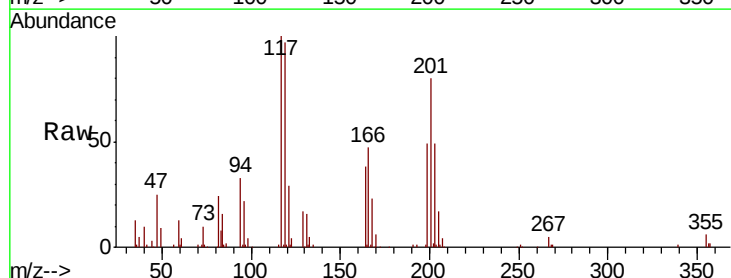
Instrument :
MSVOA_D
ClientSampleId :

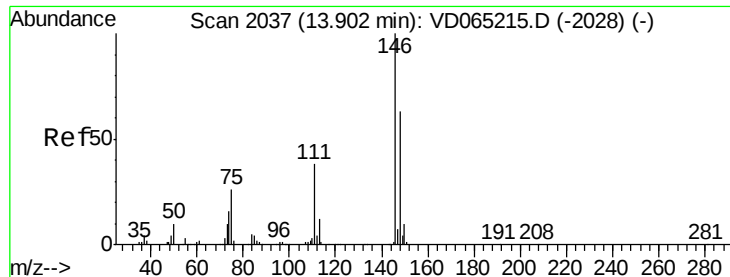
Tot Ion: 91 Resp: 373035
Ion Ratio Lower Upper
91 100
92 53.5 27.0 80.8
134 25.7 13.5 40.4



#90
Hexachloroethane
Concen: 19.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion: 117 Resp: 79096
Ion Ratio Lower Upper
117 100
201 79.9 41.3 124.1

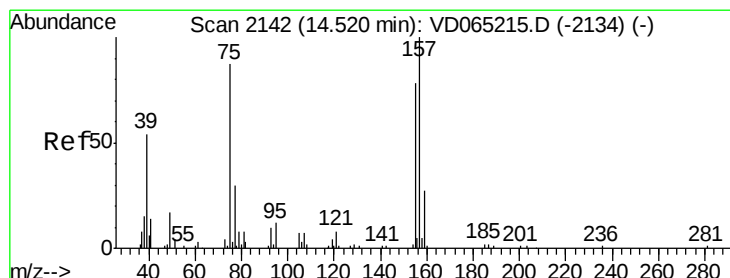
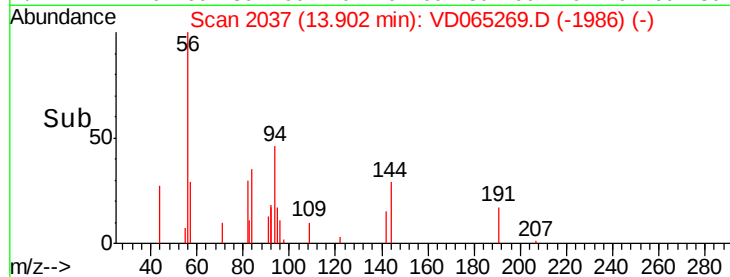
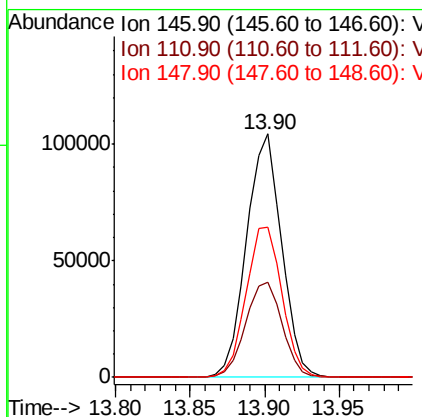
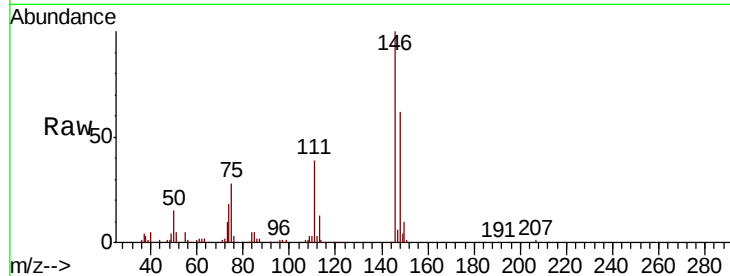




#91
 1,2-Dichlorobenzene
 Concen: 19.116 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

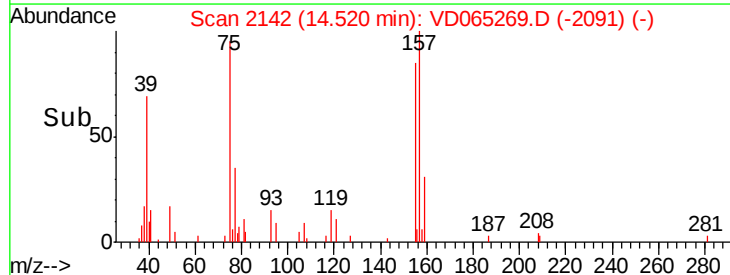
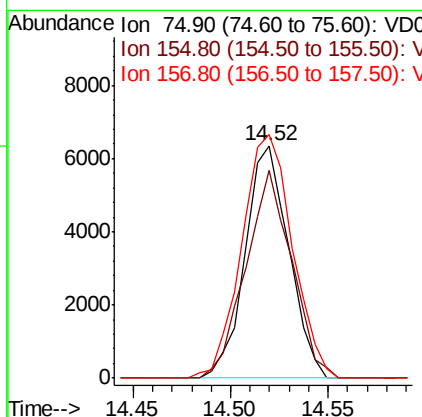
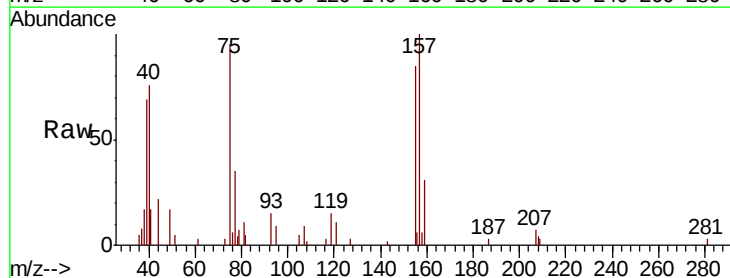
Instrument :
 MSVOA_D
 ClientSampleId :

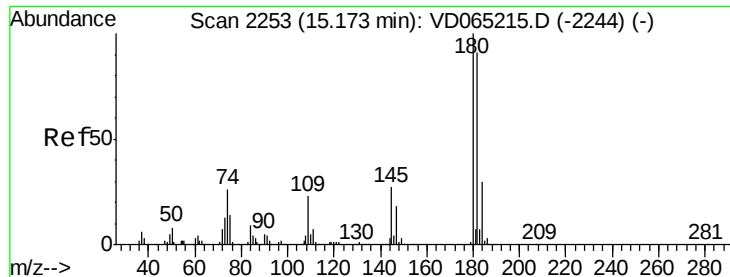
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	63.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.371 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	42.3	126.9
157	122.2	56.7	170.1

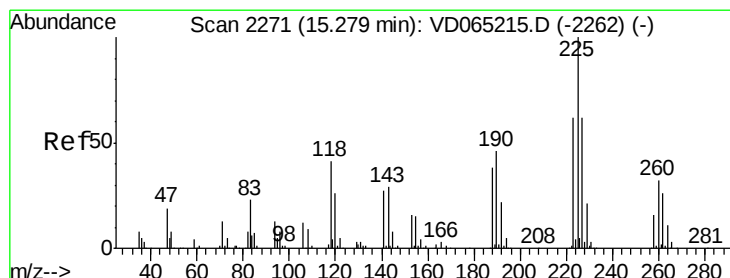
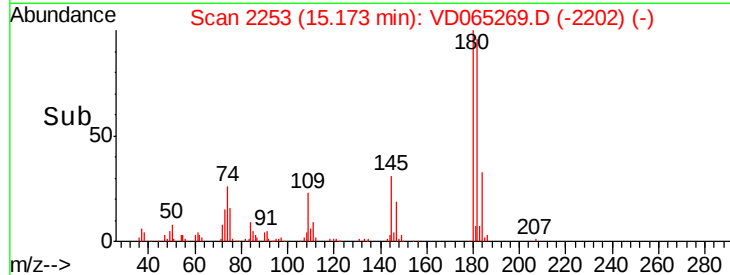
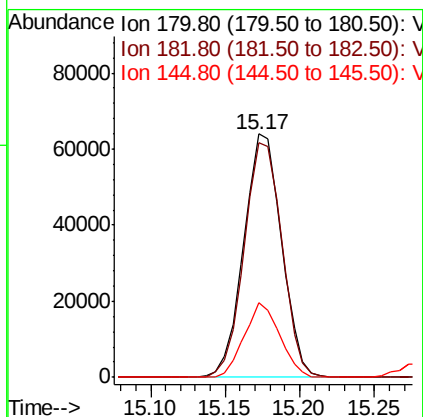
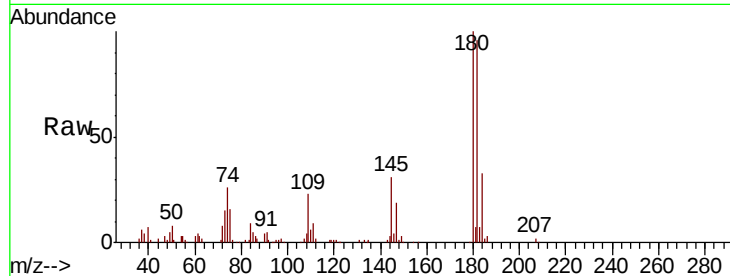




#93
 1,2,4-Trichlorobenzene
 Concen: 19.263 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

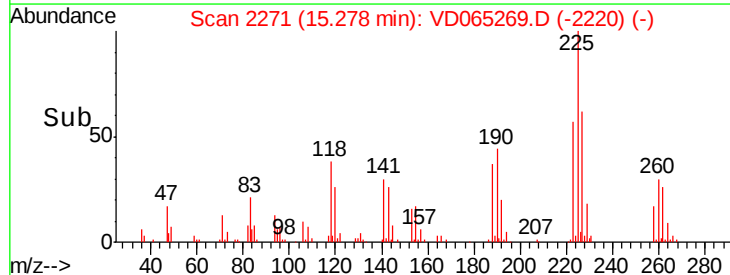
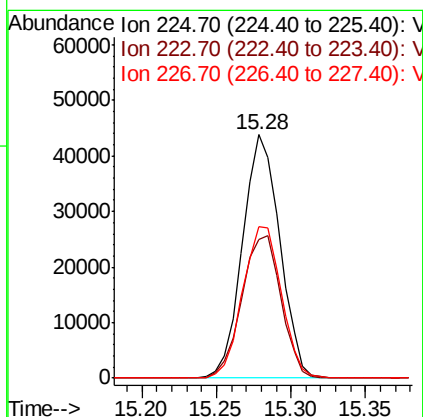
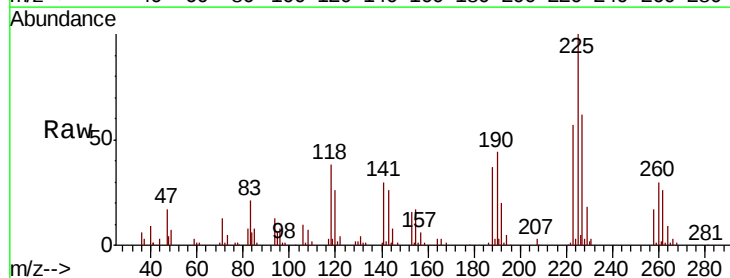
Instrument :
 MSVOA_D
 ClientSampleId :

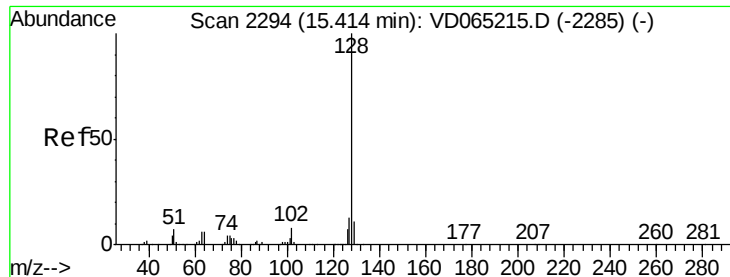
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	28.9	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 20.251 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065269.D
 Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.4	94.2
227	64.5	31.7	95.1

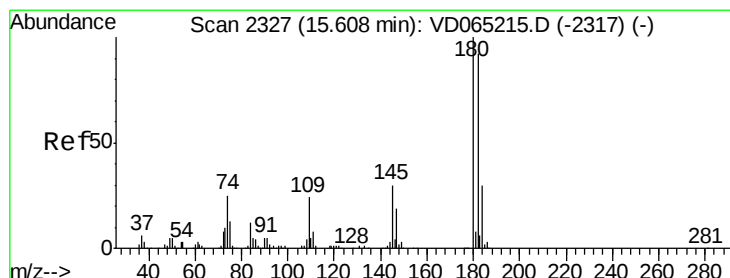
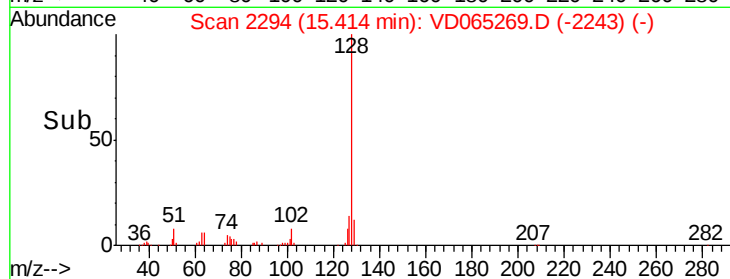
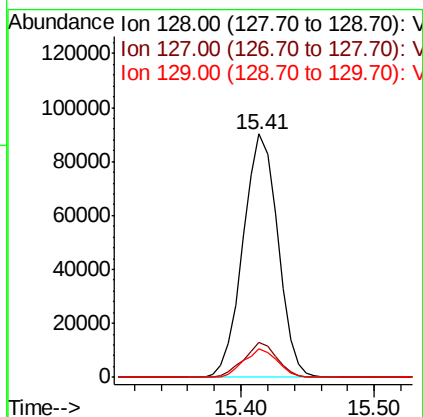
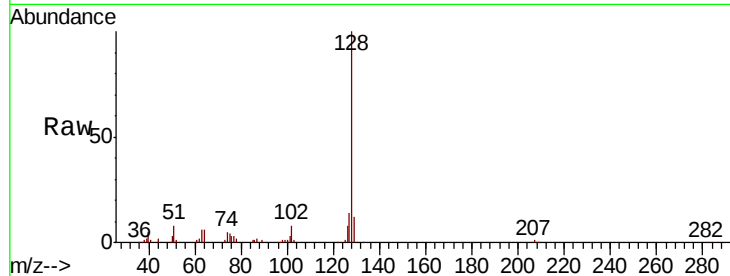




#95
Naphthalene
Concen: 17.237 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	11.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.872 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065269.D
Acq: 21 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.9	140.6
145	32.1	15.4	46.1

