

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065274.D
 Acq On : 21 Feb 2020 14:38
 Operator : VA/SY
 Sample : L1635-02MS
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:23:25 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	210432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	86487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	127969	67.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.20%	
35) Dibromofluoromethane	7.92	113	111739	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
50) Toluene-d8	10.34	98	357113	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.64	95	88904	38.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93299	52.862	ug/l	98
3) Chloromethane	2.21	50	119919	53.380	ug/l	97
4) Vinyl Chloride	2.35	62	116131	50.837	ug/l	99
5) Bromomethane	2.78	94	72029	52.150	ug/l	98
6) Chloroethane	2.93	64	74294	53.280	ug/l	97
7) Trichlorofluoromethane	3.27	101	159827	48.869	ug/l	99
8) Diethyl Ether	3.71	74	72871	73.815	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94132	45.577	ug/l	99
10) Methyl Iodide	4.30	142	117664	54.870	ug/l	99
11) Tert butyl alcohol	5.25	59	43295	382.727	ug/l	100
12) 1,1-Dichloroethene	4.07	96	95024	48.705	ug/l	97
13) Acrolein	3.93	56	27082	188.215	ug/l	99
14) Allyl chloride	4.71	41	178650	56.387	ug/l	96
15) Acrylonitrile	5.43	53	192693	440.869	ug/l	98
16) Acetone	4.17	43	133921	289.398	ug/l	98
17) Carbon Disulfide	4.40	76	309374	47.297	ug/l	97
18) Methyl Acetate	4.73	43	292587	281.123	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	306822	75.413	ug/l	95
20) Methylene Chloride	4.96	84	144884	72.393	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	115003	51.851	ug/l	94
22) Diisopropyl ether	6.37	45	383307	62.758	ug/l	98
23) Vinyl Acetate	6.31	43	189106	56.162	ug/l	98
24) 1,1-Dichloroethane	6.27	63	207497	54.772	ug/l	99
25) 2-Butanone	7.23	43	223716	382.101	ug/l	96
26) 2,2-Dichloropropane	7.21	77	164250	49.970	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	126148	53.694	ug/l	99
28) Bromochloromethane	7.56	49	94064	66.927	ug/l	96
29) Tetrahydrofuran	7.57	42	155980	454.683	ug/l	100
30) Chloroform	7.71	83	210333	55.109	ug/l	97
31) Cyclohexane	7.98	56	142492	38.282	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	166841	48.857	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136763	44.582	ug/l	99
37) Ethyl Acetate	7.30	43	78878	61.507	ug/l	99
38) Carbon Tetrachloride	8.10	117	142470	45.622	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	101578	28.166	ug/l	95
40) Benzene	8.36	78	455651	52.623	ug/l	99
41) Methacrylonitrile	7.53	41	48380	65.337	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	159685	67.083	ug/l	99
43) Isopropyl Acetate	8.46	43	158661	68.035	ug/l	99
44) Trichloroethene	9.11	130	109640	45.680	ug/l	97
45) 1,2-Dichloropropane	9.39	63	124172	57.672	ug/l	99
46) Dibromomethane	9.48	93	77087	69.586	ug/l	99
47) Bromodichloromethane	9.67	83	170395	58.365	ug/l	96
48) Methyl methacrylate	9.46	41	112891	104.728	ug/l	98
49) 1,4-Dioxane	9.47	88	22522	1733.413	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	510150	430.695	ug/l	99
52) Toluene	10.41	92	256893	47.931	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	166363	61.478	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	194799	59.614	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	105348	67.564	ug/l	95
56) Ethyl methacrylate	10.67	69	95904	53.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	183083	68.989	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180527	318.168	ug/l	99
59) 2-Hexanone	10.99	43	335299	395.447	ug/l	98
60) Dibromochloromethane	11.14	129	125192	62.731	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103448	70.072	ug/l	96
64) Tetrachloroethene	10.88	164	76801	41.518	ug/l	96
65) Chlorobenzene	11.67	112	244674	46.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	117084	59.945	ug/l	98
67) Ethyl Benzene	11.75	91	396024	43.202	ug/l	97
68) m/p-Xylenes	11.86	106	305513	87.111	ug/l	100
69) o-Xylene	12.18	106	146697	47.212	ug/l	99
70) Styrene	12.20	104	244819	44.378	ug/l	100
71) Bromoform	12.37	173	76345	70.439	ug/l #	98
73) Isopropylbenzene	12.48	105	327542	57.204	ug/l	99
74) N-amyl acetate	12.29	43	55113	43.317	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	114938	111.224	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	142673	193.887	ug/l #	100
77) Bromobenzene	12.77	156	94093	66.177	ug/l	90
78) n-propylbenzene	12.83	91	333285	48.436	ug/l	100
79) 2-Chlorotoluene	12.91	91	206682	53.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	256970	54.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	37825	110.987	ug/l	97
82) 4-Chlorotoluene	13.01	91	210924	51.542	ug/l	99
83) tert-Butylbenzene	13.23	119	213712	54.069	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	255889	54.210	ug/l	98
85) sec-Butylbenzene	13.41	105	228701	40.155	ug/l	100
86) p-Isopropyltoluene	13.53	119	210802	40.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	123225	44.830	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	124890	46.037	ug/l	99
89) n-Butylbenzene	13.85	91	137897	28.731	ug/l	97
90) Hexachloroethane	14.12	117	52102	49.266	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	117779	49.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16776	105.344	ug/l	96

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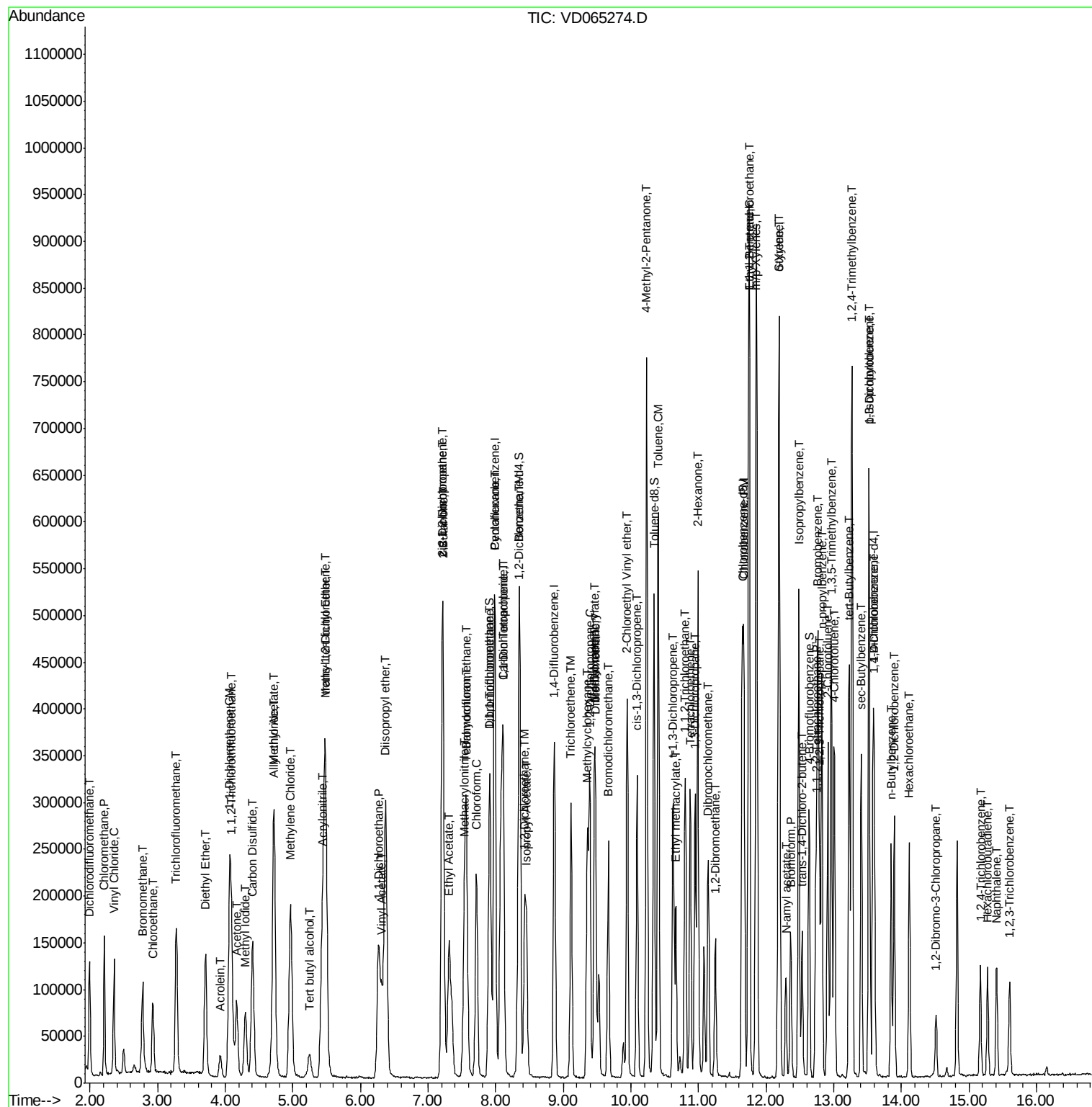
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	40500	26.234	ug/l	97
94) Hexachlorobutadiene	15.28	225	23326	23.554	ug/l	99
95) Naphthalene	15.41	128	102847	40.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	36839	27.323	ug/l	97

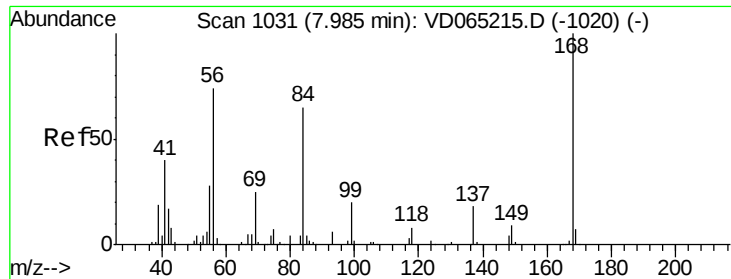
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

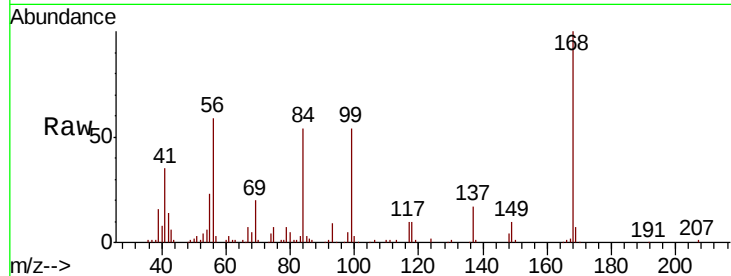
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 210432

Ion Ratio Lower Upper

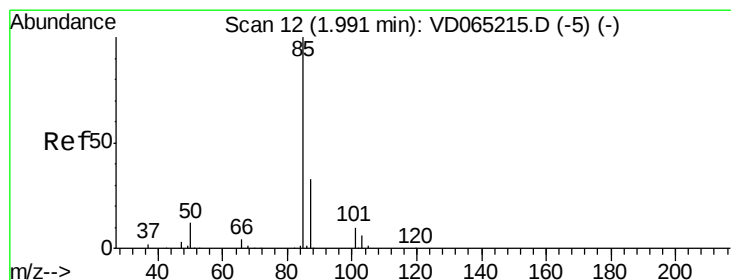
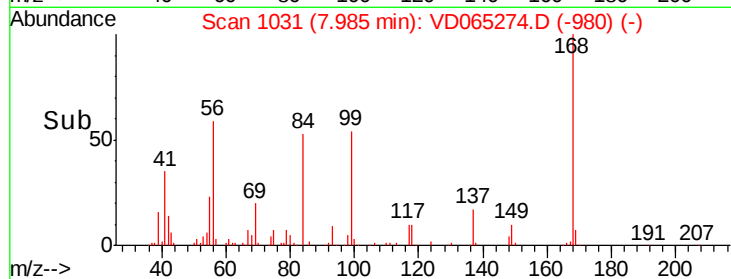
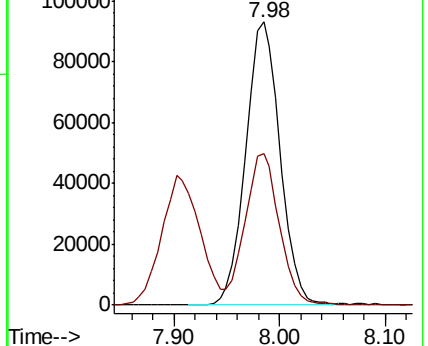
168 100

99 53.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.862 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065274.D

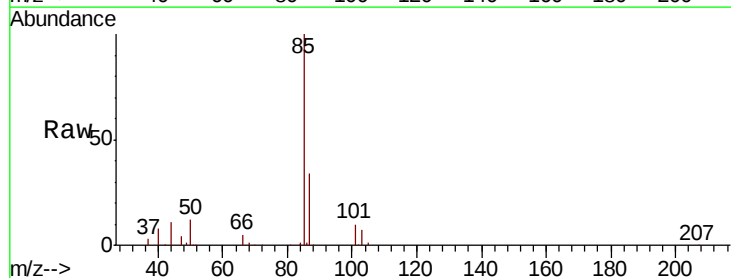
Acq: 21 Feb 2020 14:38

Tgt Ion: 85 Resp: 93299

Ion Ratio Lower Upper

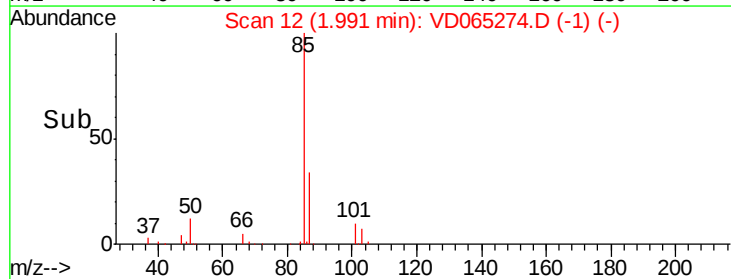
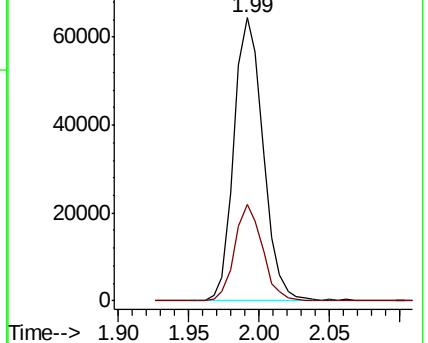
85 100

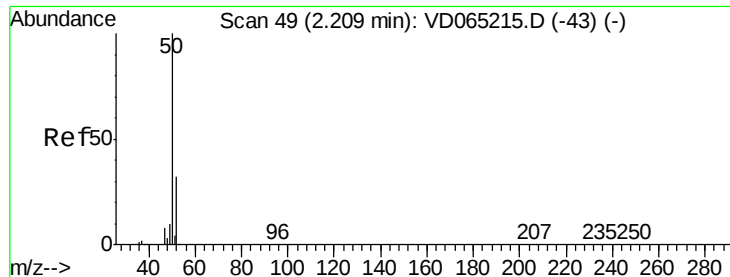
87 34.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

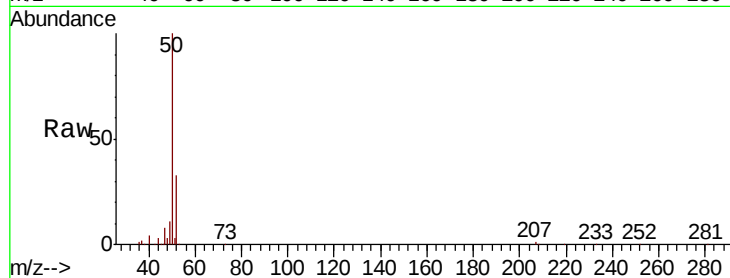
ClientSampleId :

Tot Ion: 50 Resp: 119919

Ion Ratio Lower Upper

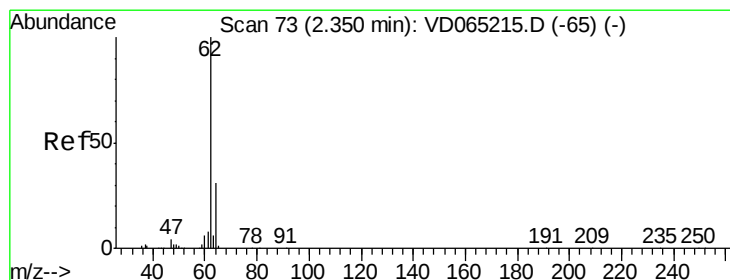
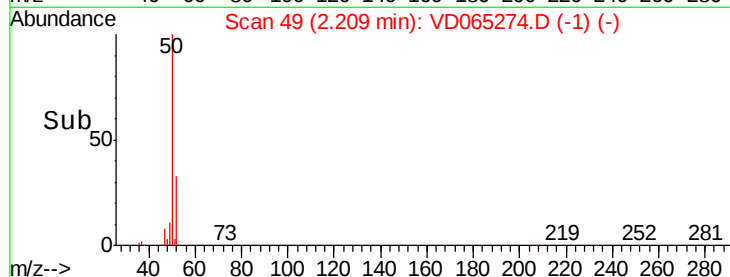
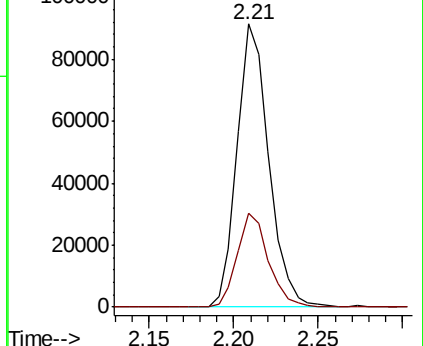
50 100

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: 50.837 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065274.D

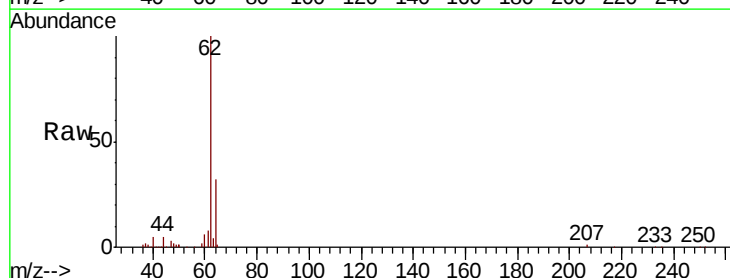
Acq: 21 Feb 2020 14:38

Tgt Ion: 62 Resp: 116131

Ion Ratio Lower Upper

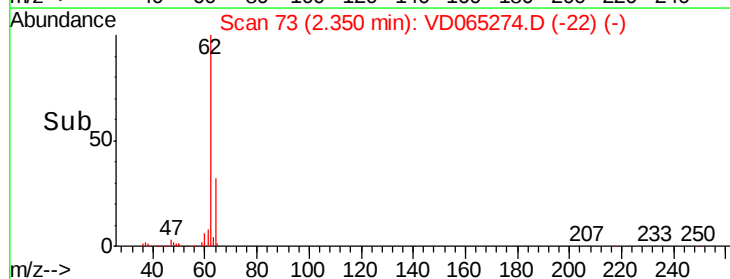
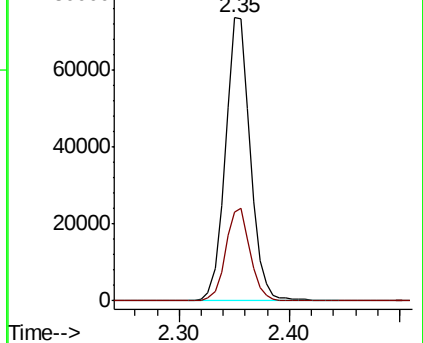
62 100

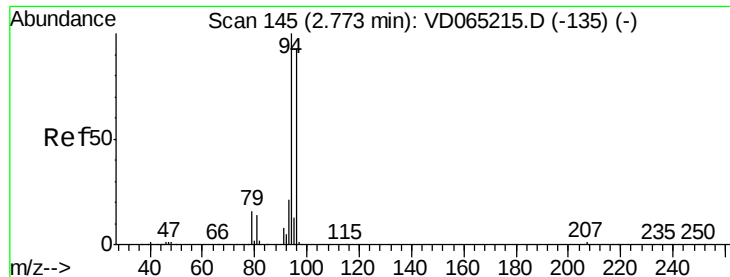
64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.150 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

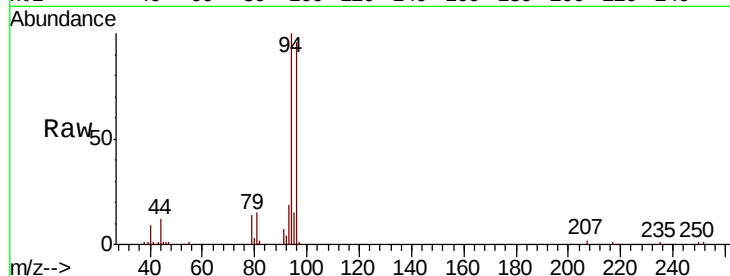
ClientSampleId :

Tot Ion: 94 Resp: 72029

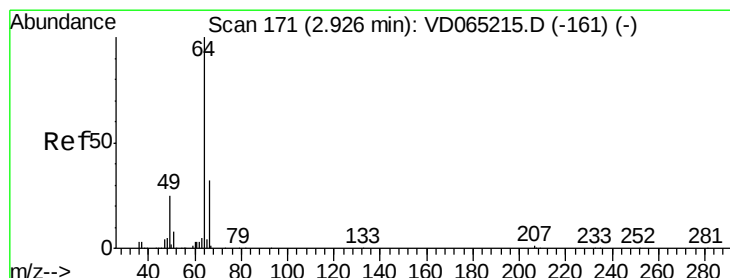
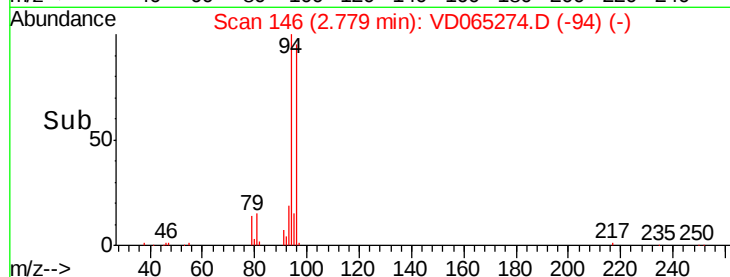
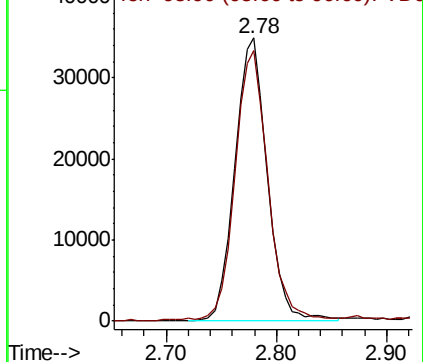
Ion Ratio Lower Upper

94 100

96 94.8 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: 53.280 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065274.D

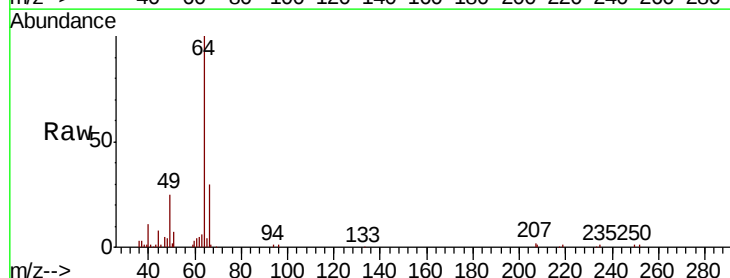
Acq: 21 Feb 2020 14:38

Tgt Ion: 64 Resp: 74294

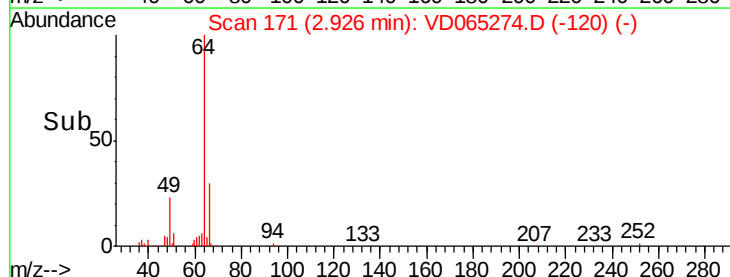
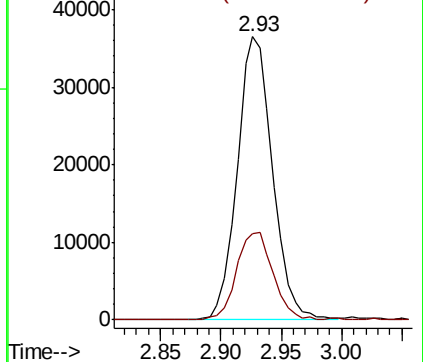
Ion Ratio Lower Upper

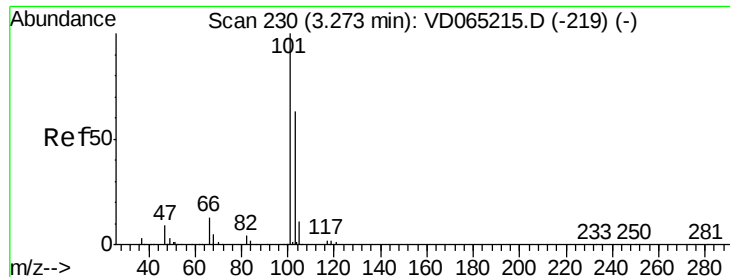
64 100

66 30.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



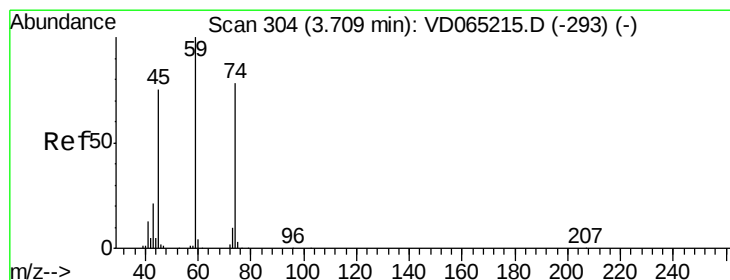
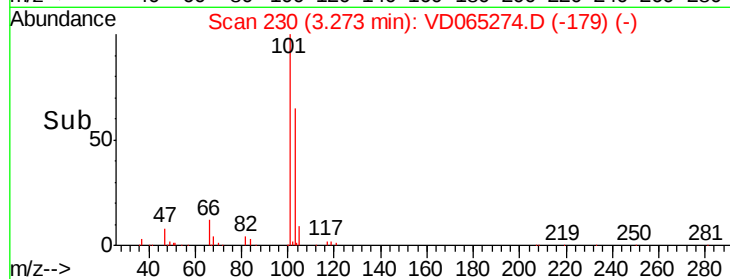
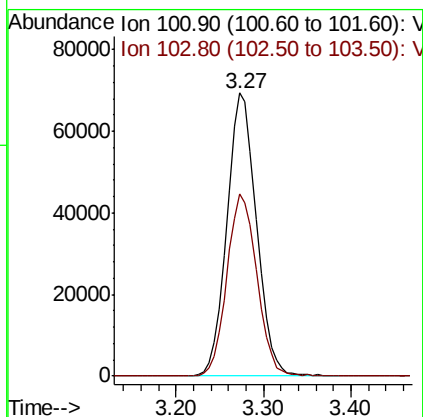
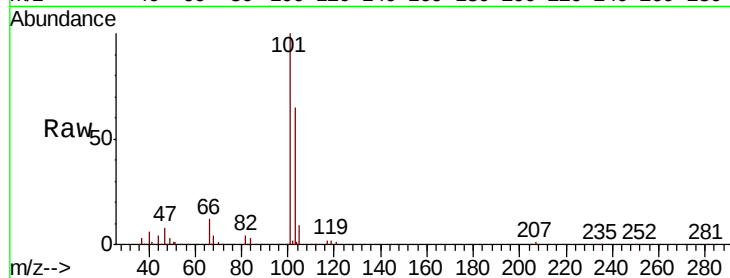


#7

Trichlorofluoromethane
 Concen: 48.869 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065274.D
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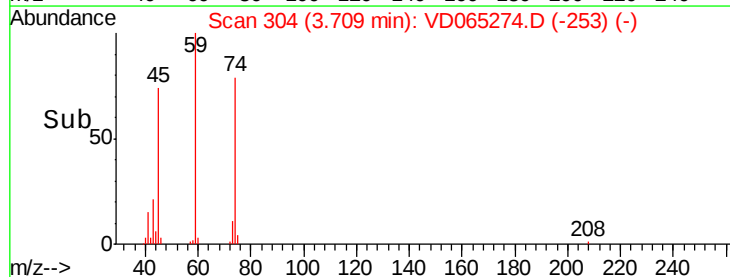
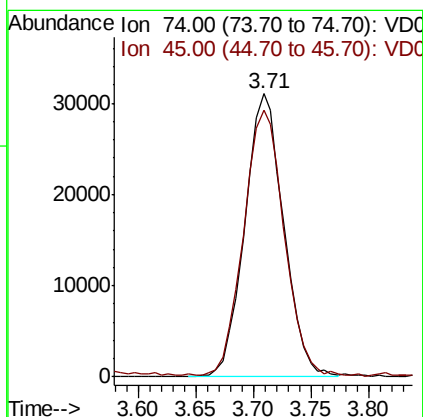
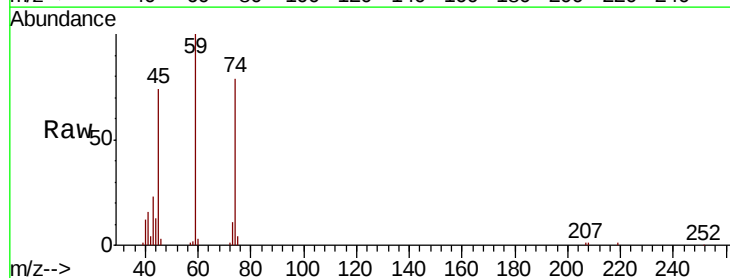
Tot Ion:101 Resp: 159827
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.7 76.1

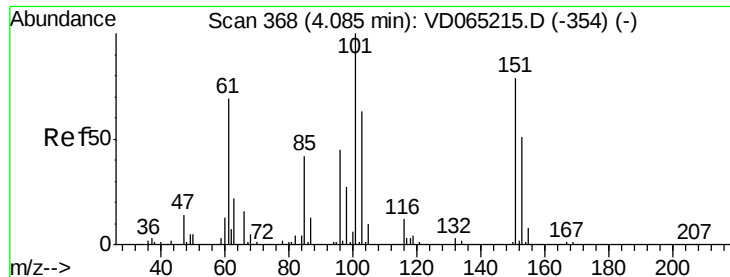


#8

Diethyl Ether
 Concen: 73.815 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 74 Resp: 72871
 Ion Ratio Lower Upper
 74 100
 45 99.3 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.577 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

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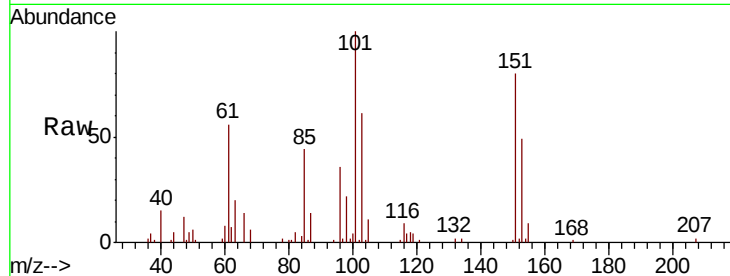
Tot Ion:101 Resp: 94132

Ion Ratio Lower Upper

101 100

85 44.7 34.2 51.2

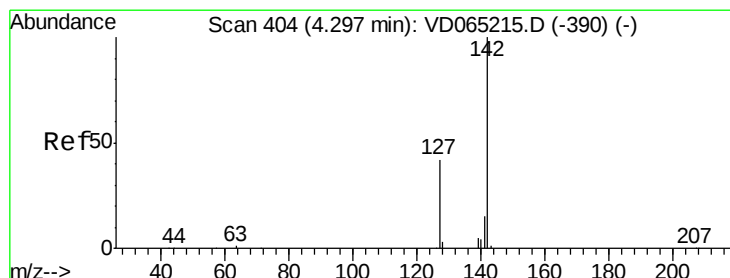
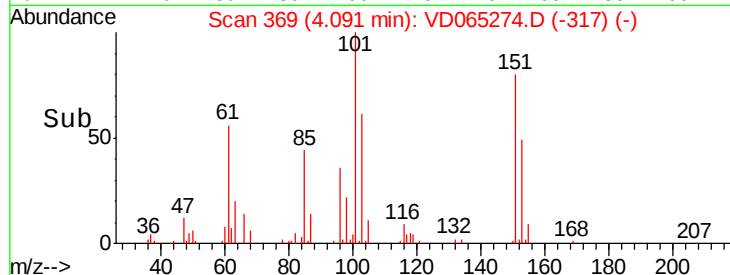
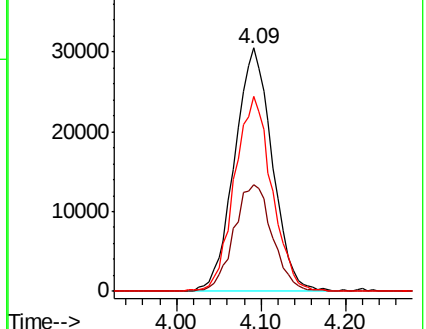
151 79.3 63.5 95.3



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: 54.870 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

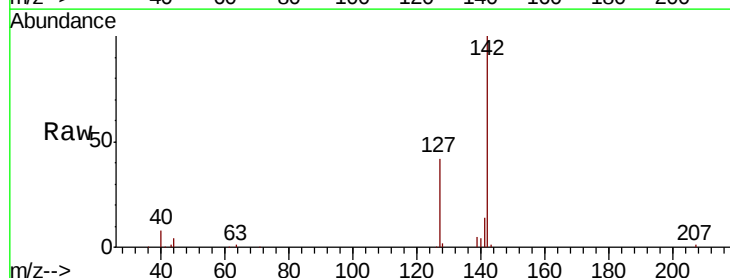
Tgt Ion:142 Resp: 117664

Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.8

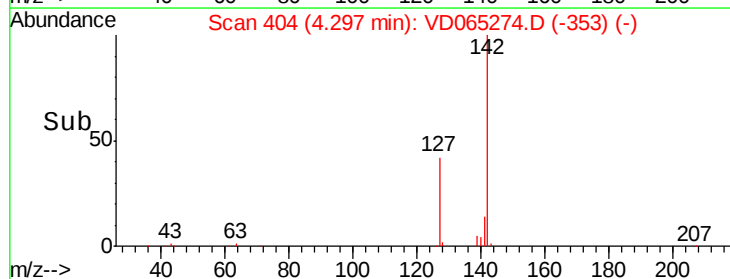
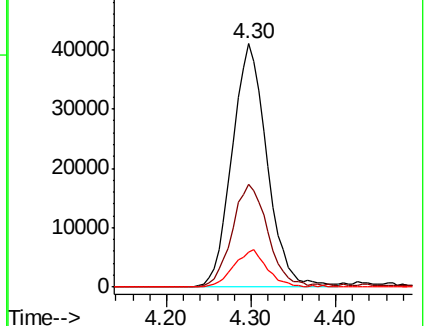
141 14.4 11.7 17.5

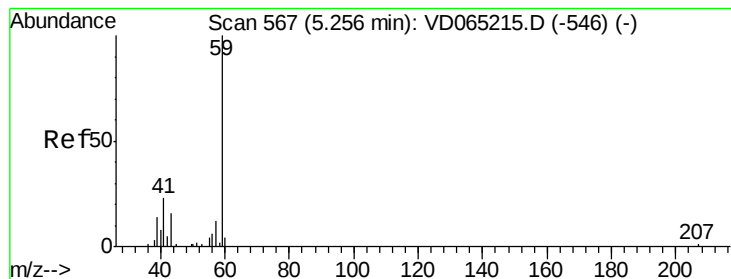


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 382.727 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

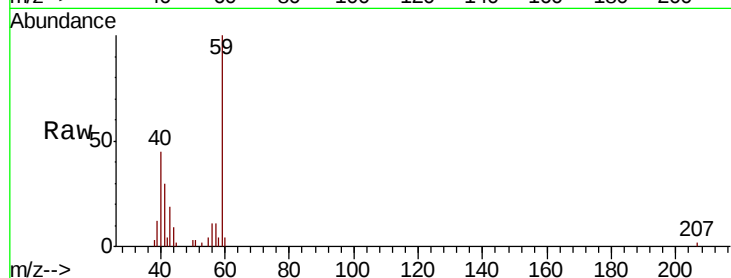
ClientSampled :

Tot Ion: 59 Resp: 43295

Ion Ratio Lower Upper

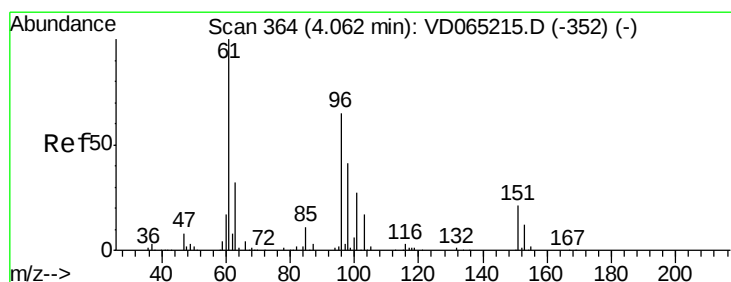
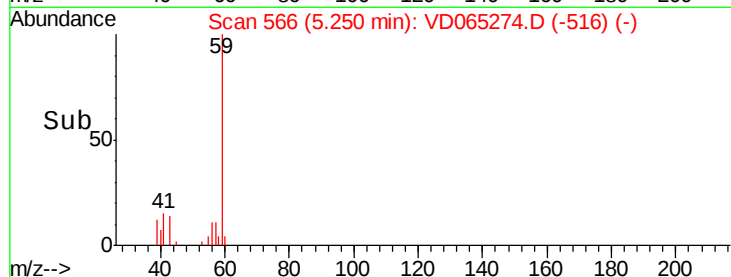
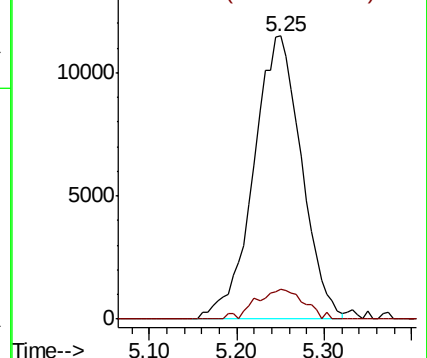
59 100

57 10.6 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 48.705 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

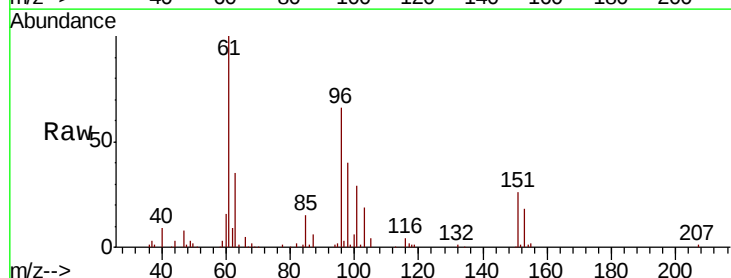
Tgt Ion: 96 Resp: 95024

Ion Ratio Lower Upper

96 100

61 151.2 123.3 184.9

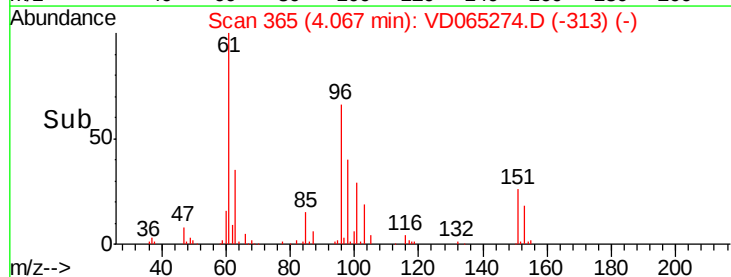
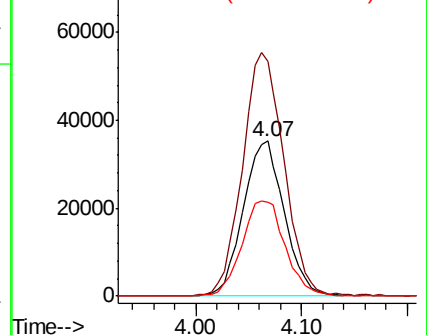
98 60.5 51.0 76.4



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

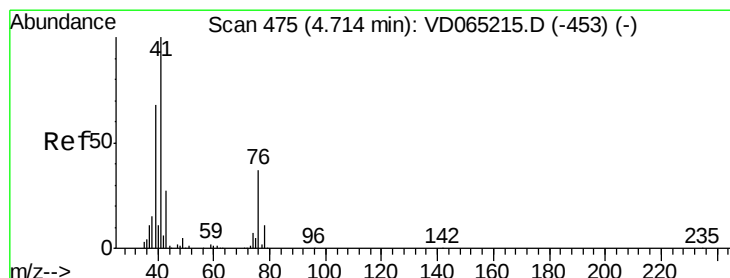
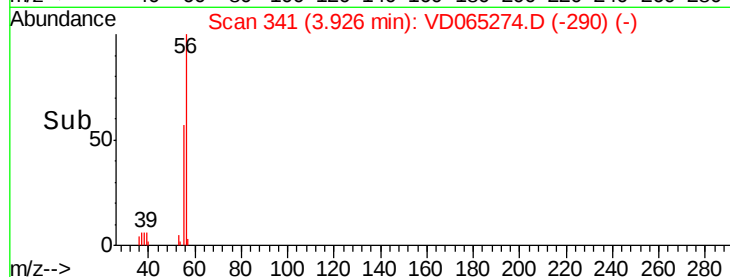
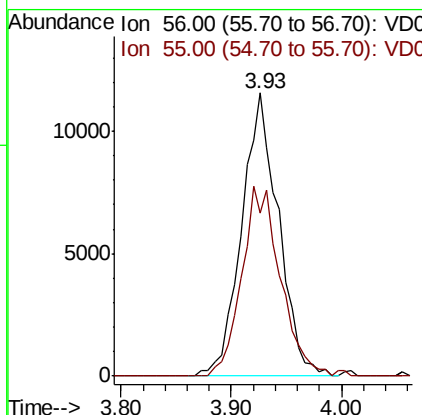
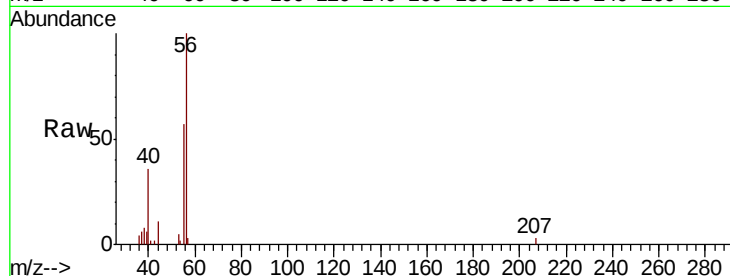




#13
Acrolein
Concen: 188.215 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

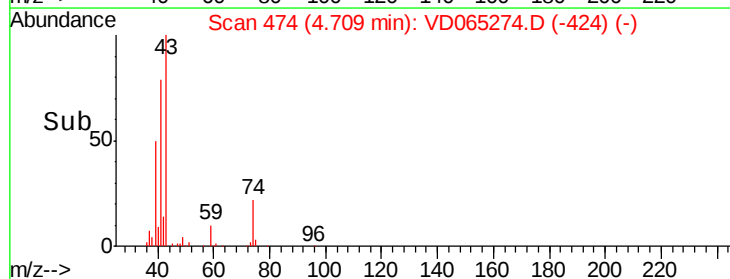
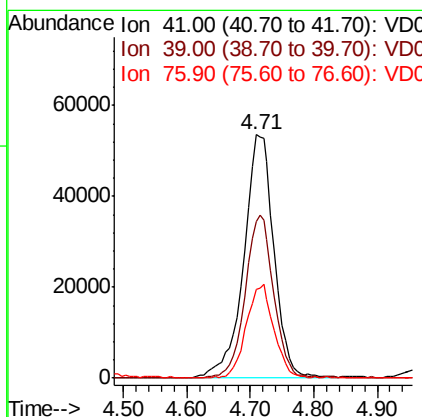
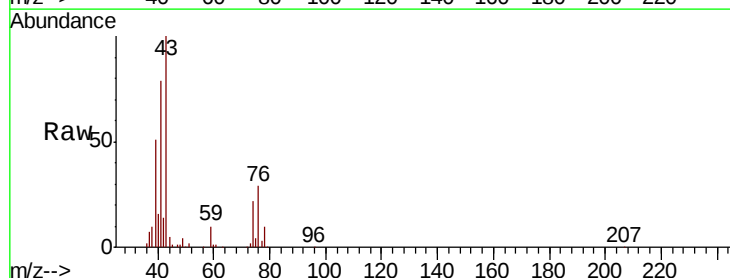
Instrument :
MSVOA_D
ClientSampled :

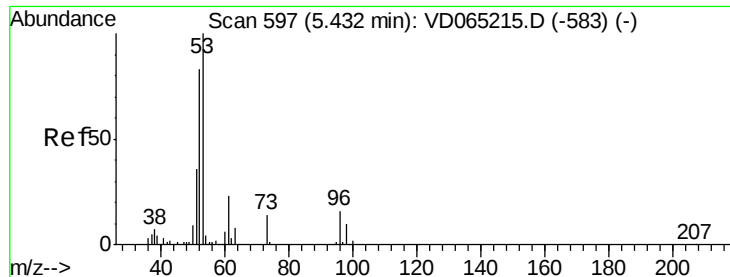
Tot Ion: 56 Resp: 27082
Ion Ratio Lower Upper
56 100
55 70.0 56.6 85.0



#14
Allyl chloride
Concen: 56.387 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 41 Resp: 178650
Ion Ratio Lower Upper
41 100
39 62.9 53.8 80.6
76 35.0 28.7 43.1





#15

Acrylonitrile

Concen: 440.869 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :

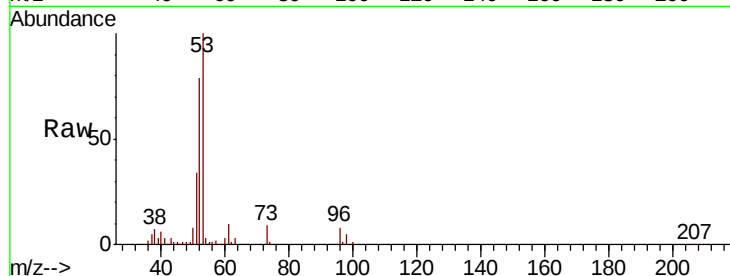
Tot Ion: 53 Resp: 192693

Ion Ratio Lower Upper

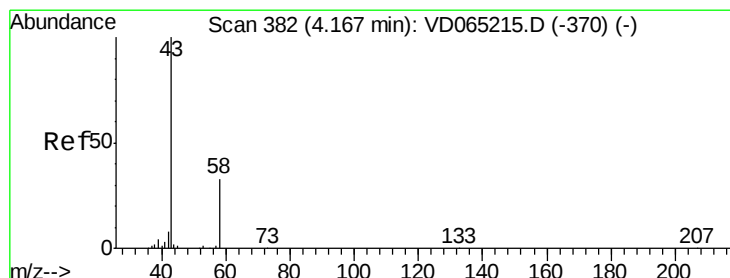
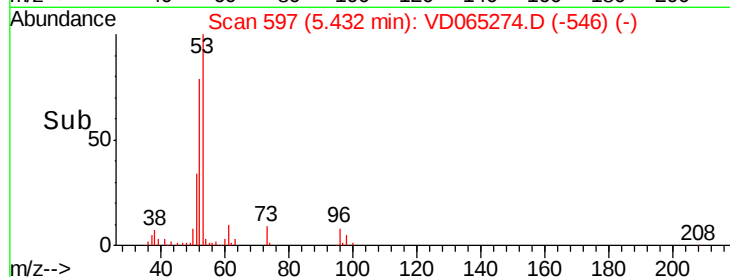
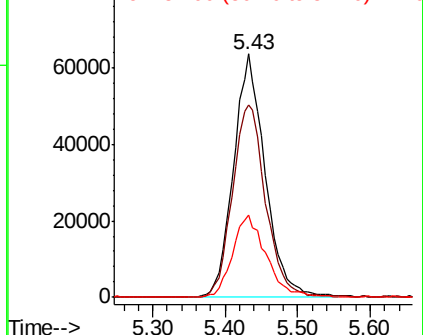
53 100

52 83.3 65.4 98.2

51 35.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 289.398 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065274.D

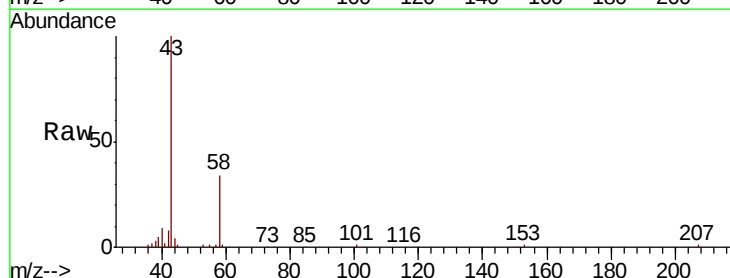
Acq: 21 Feb 2020 14:38

Tgt Ion: 43 Resp: 133921

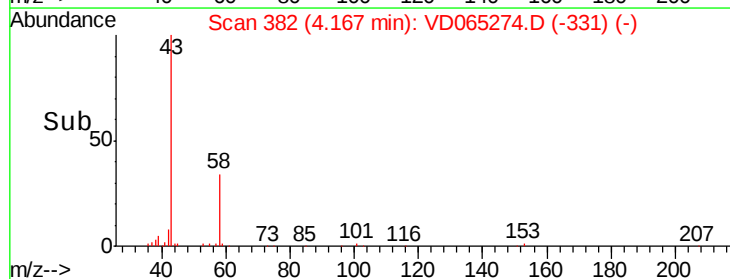
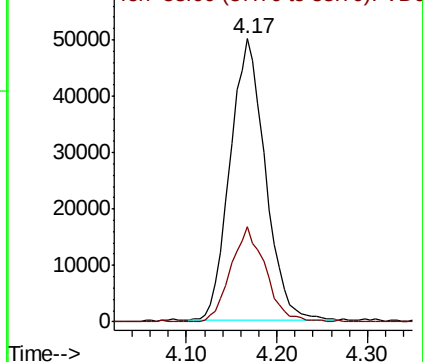
Ion Ratio Lower Upper

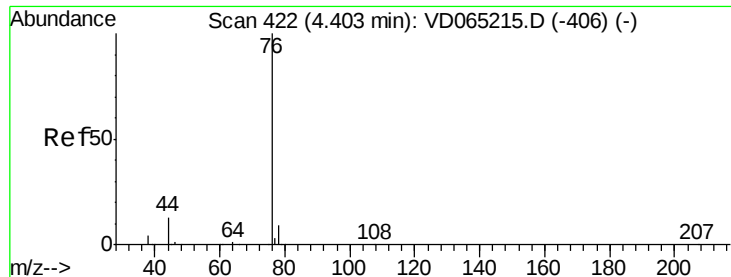
43 100

58 33.9 26.2 39.2



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

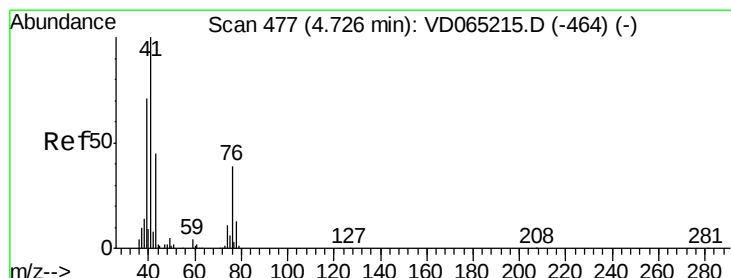
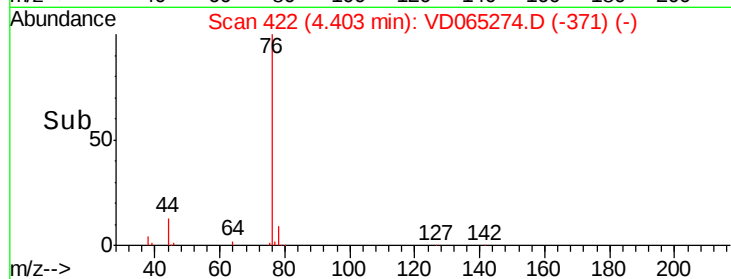
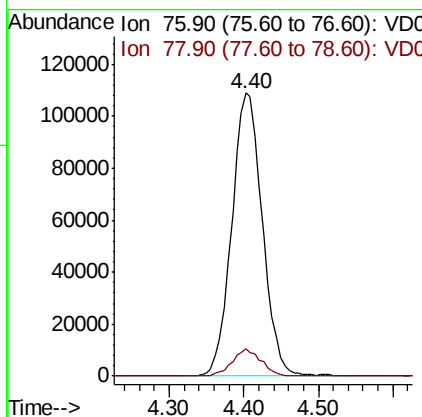
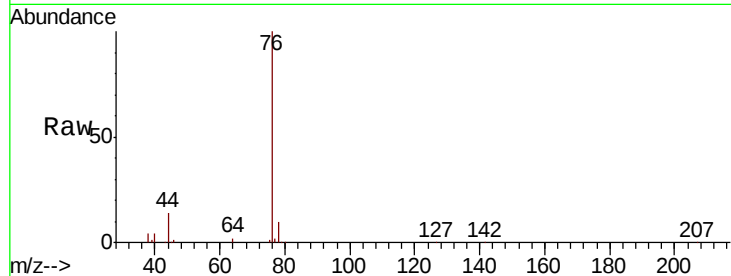




#17
Carbon Disulfide
Concen: 47.297 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

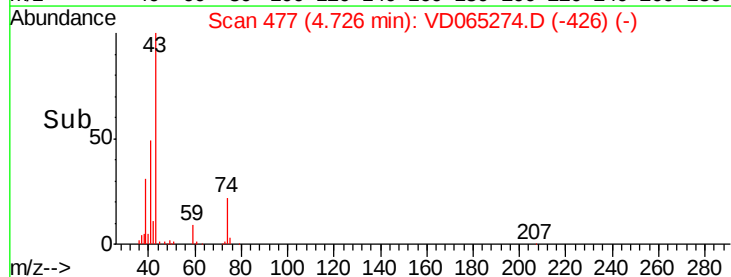
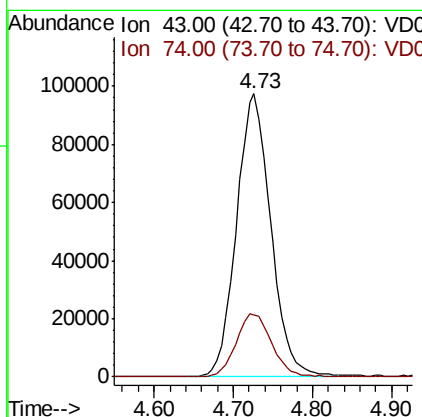
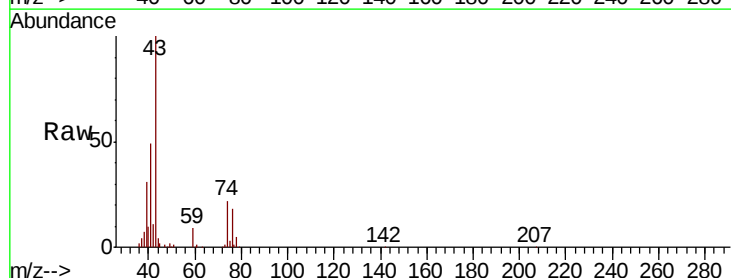
Instrument :
MSVOA_D
ClientSampleId :

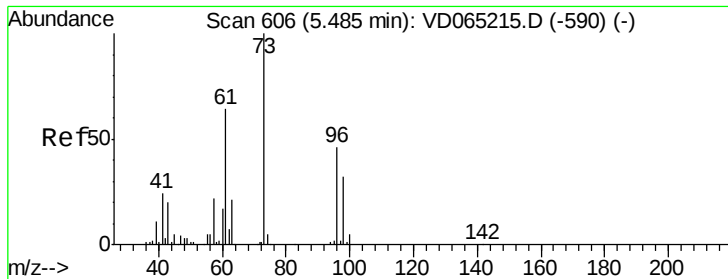
Tot Ion: 76 Resp: 309374
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 281.123 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 43 Resp: 292587
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2

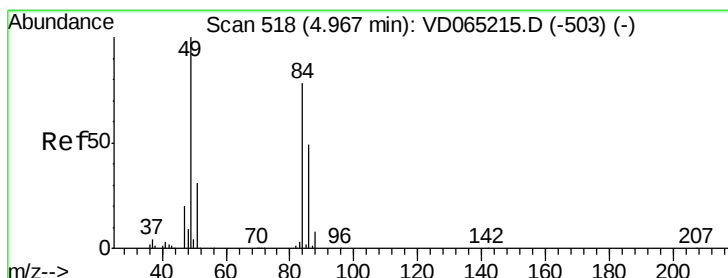
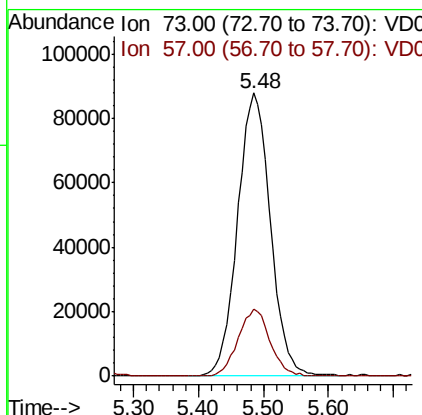
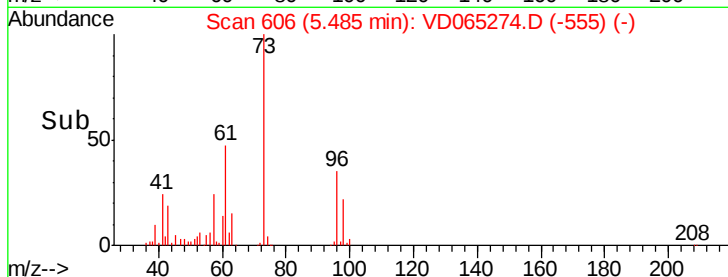
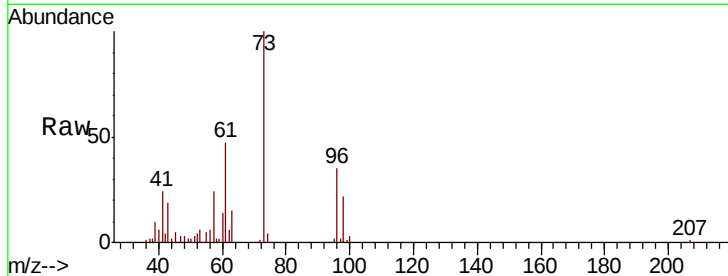




#19
Methvl tert-butvl Ether
Concen: 75.413 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

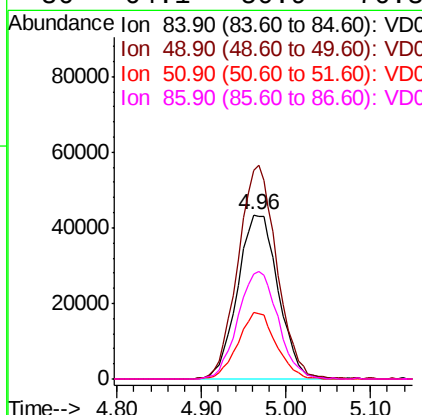
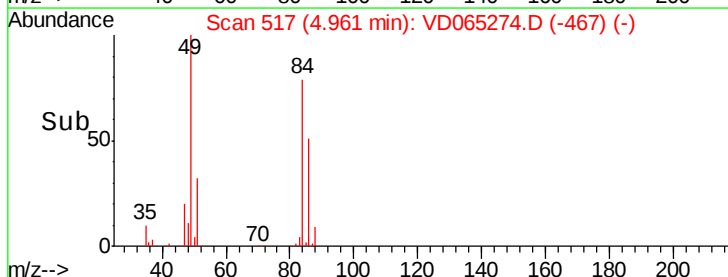
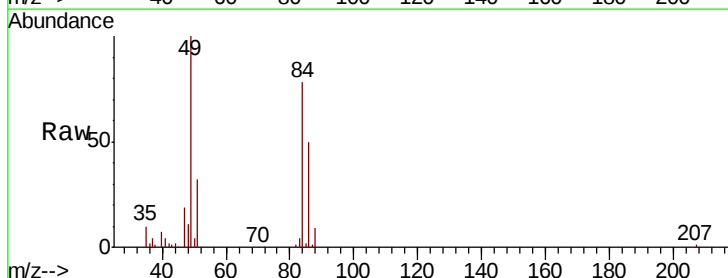
Instrument :
MSVOA_D
ClientSampleId :

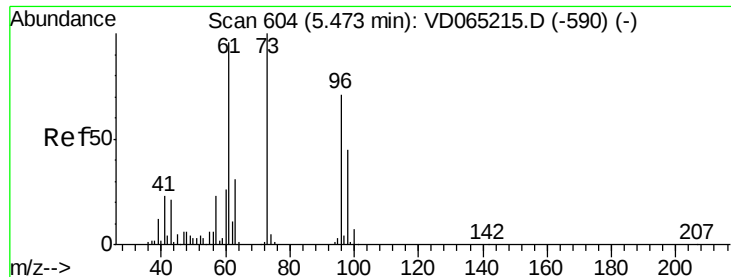
Tot Ion: 73 Resp: 306822
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9



#20
Methylene Chloride
Concen: 72.393 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 84 Resp: 144884
Ion Ratio Lower Upper
84 100
49 127.6 103.1 154.7
51 41.0 31.7 47.5
86 64.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.851 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

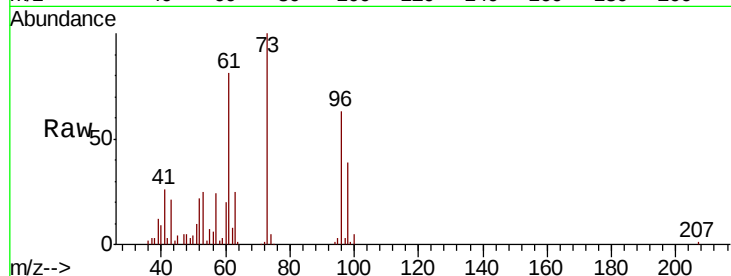
Tot Ion: 96 Resp: 115003

Ion Ratio Lower Upper

96 100

61 127.1 108.3 162.5

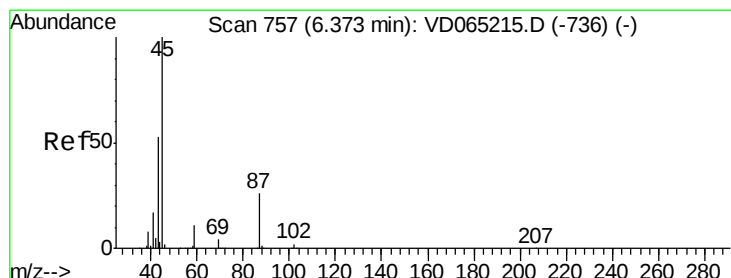
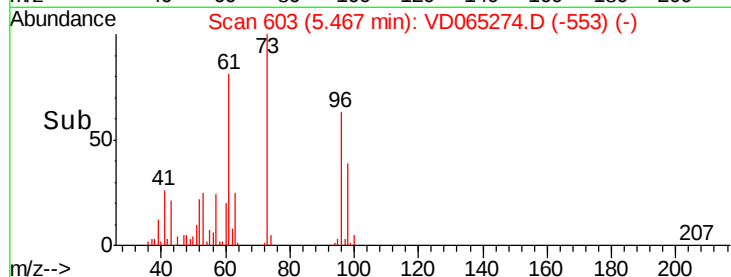
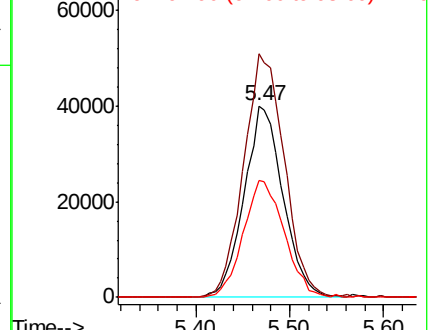
98 61.0 50.7 76.1



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: 62.758 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion: 45 Resp: 383307

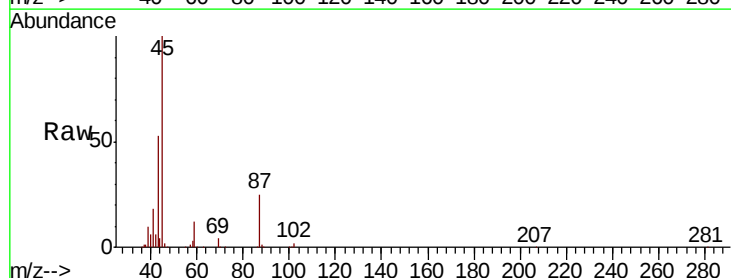
Ion Ratio Lower Upper

45 100

43 52.7 42.6 64.0

87 25.0 21.2 31.8

59 11.8 8.9 13.3

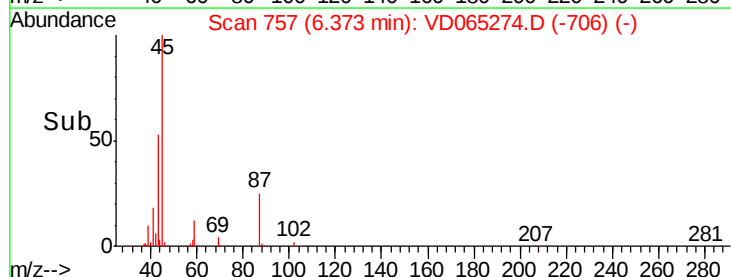
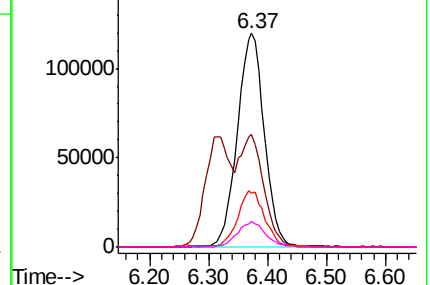


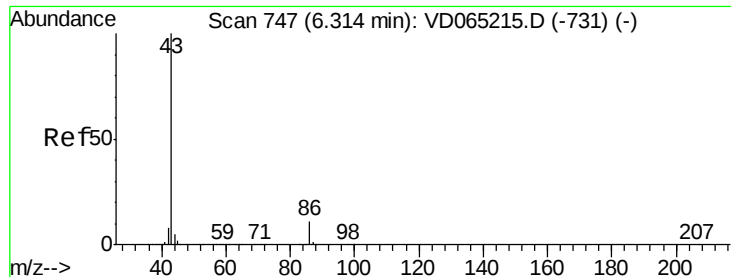
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 56.162 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

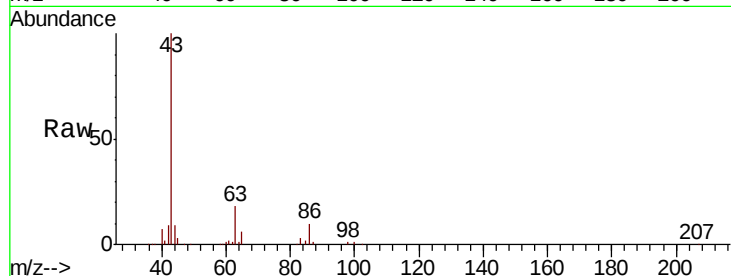
ClientSampleId :

Tot Ion: 43 Resp: 189106

Ion Ratio Lower Upper

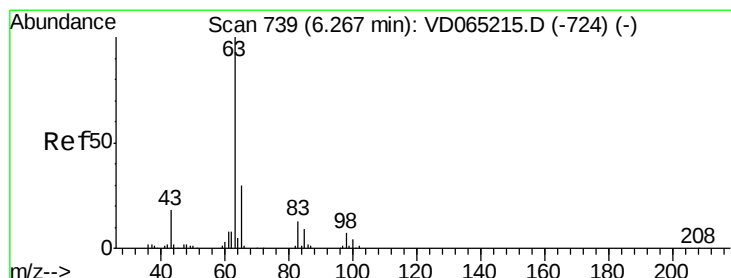
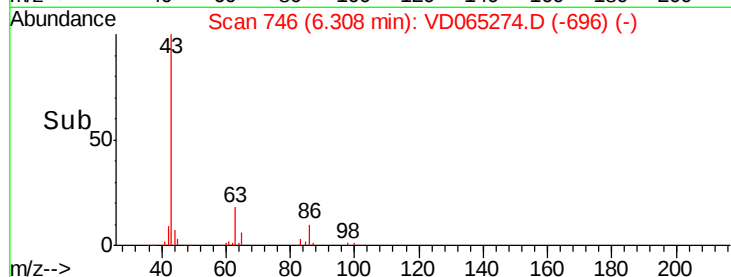
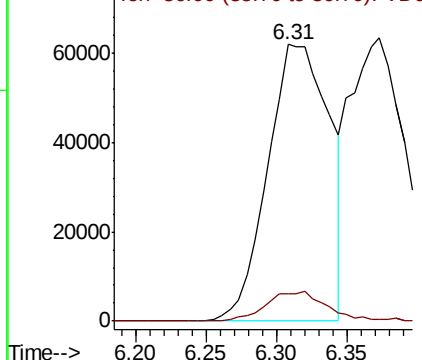
43 100

86 9.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.772 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

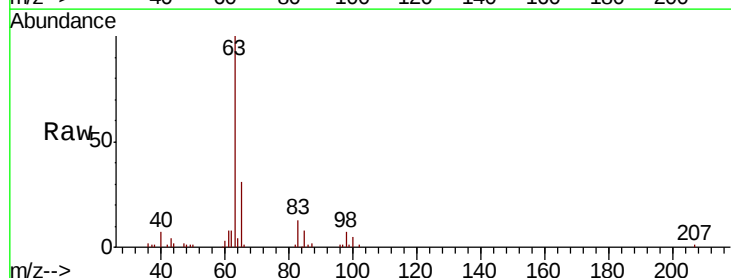
Tgt Ion: 63 Resp: 207497

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

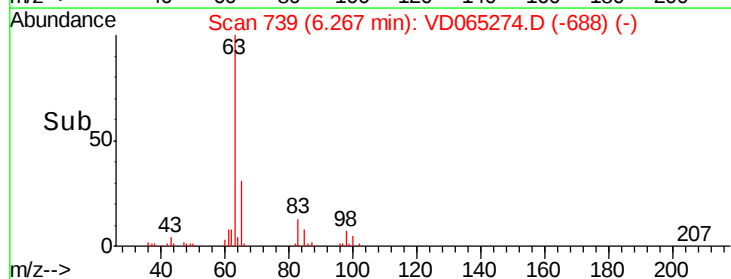
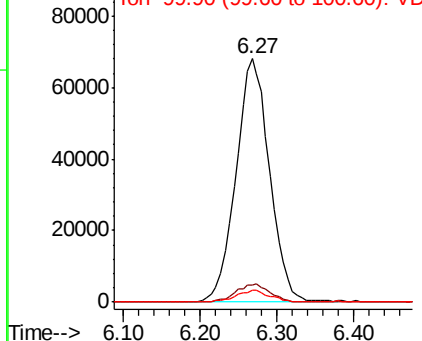
100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 382.101 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

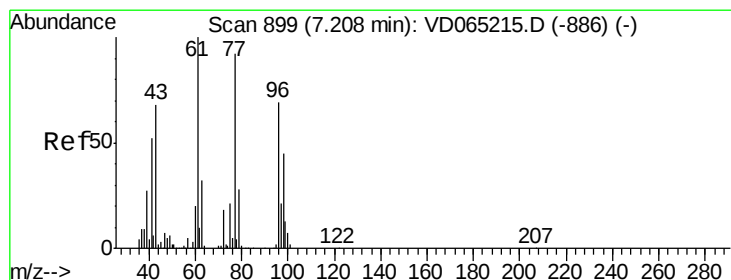
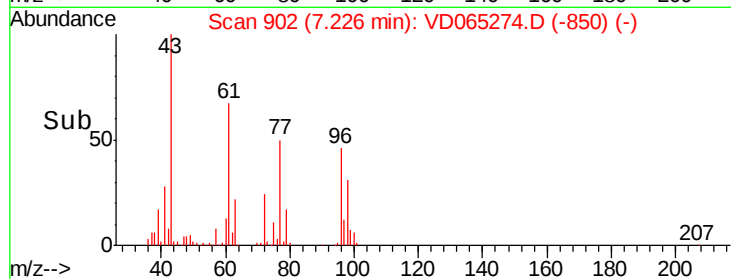
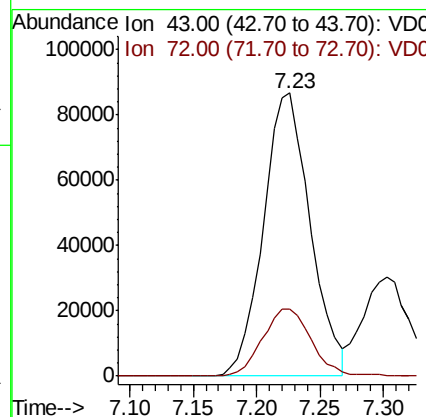
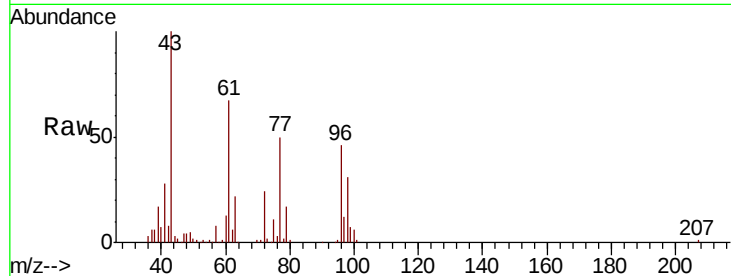
ClientSampleId :

Tot Ion: 43 Resp: 223716

Ion Ratio Lower Upper

43 100

72 23.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.970 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065274.D

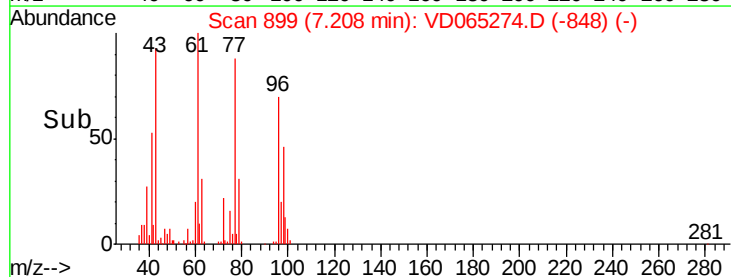
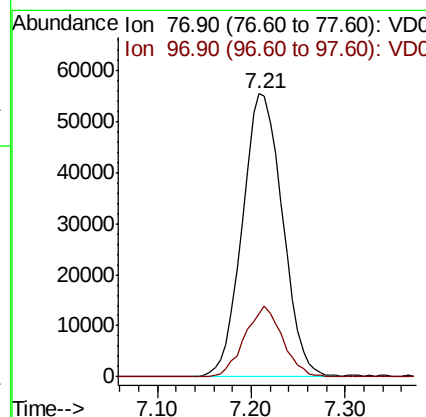
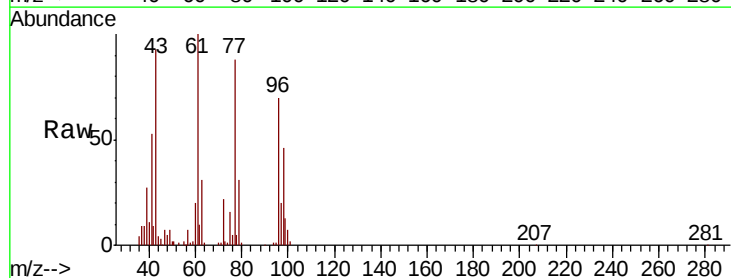
Acq: 21 Feb 2020 14:38

Tgt Ion: 77 Resp: 164250

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



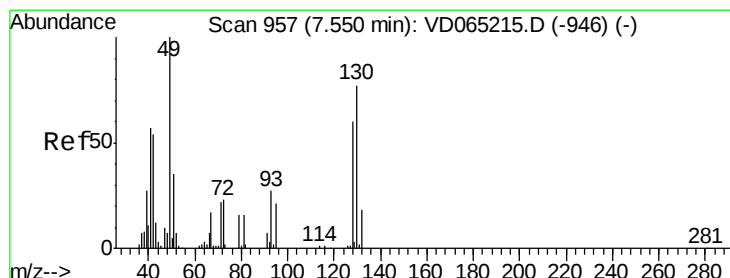
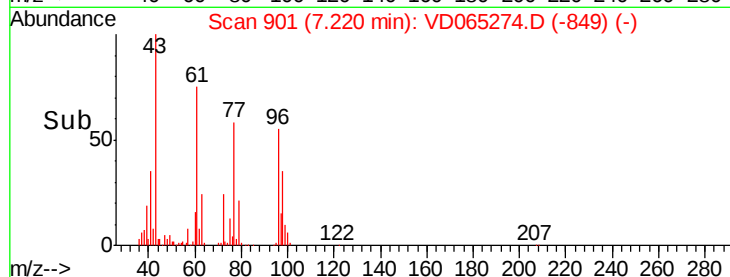
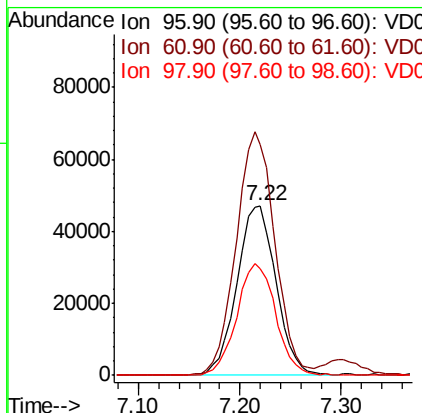
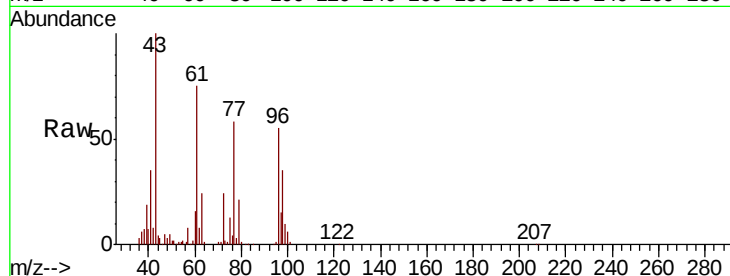


#27

cis-1,2-Dichloroethene
 Concen: 53.694 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :

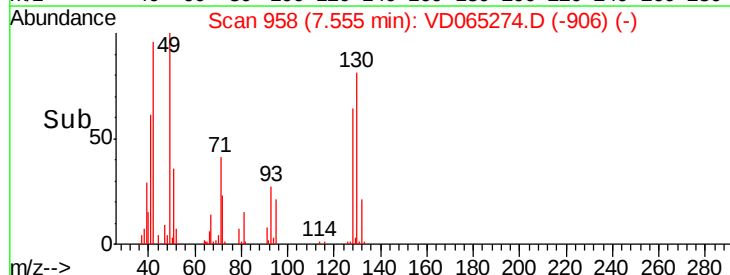
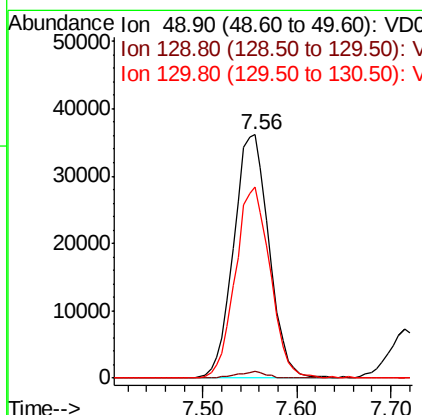
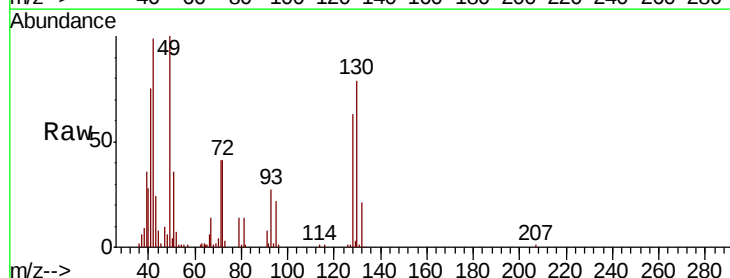
Tot Ion: 96 Resp: 126148
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 286.0
 98 65.7 0.0 127.8

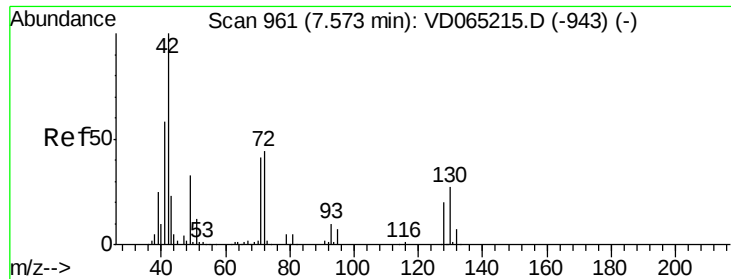


#28

Bromochloromethane
 Concen: 66.927 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 49 Resp: 94064
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 77.3 64.7 97.1

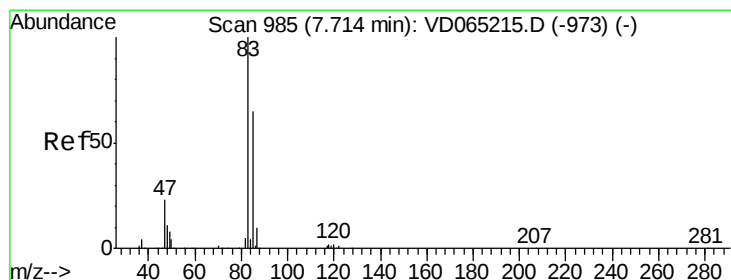
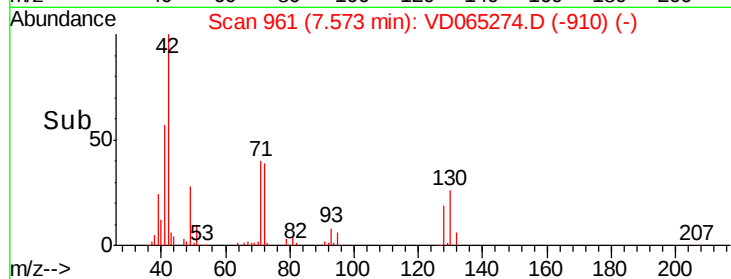
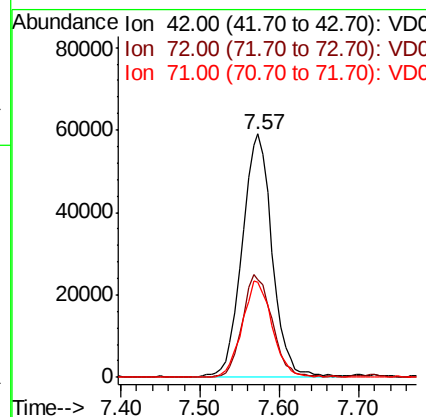
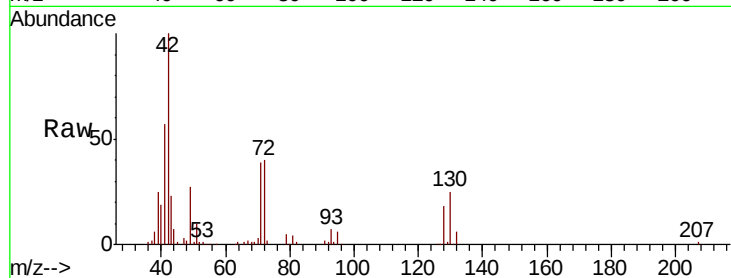




#29
Tetrahydrofuran
Concen: 454.683 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

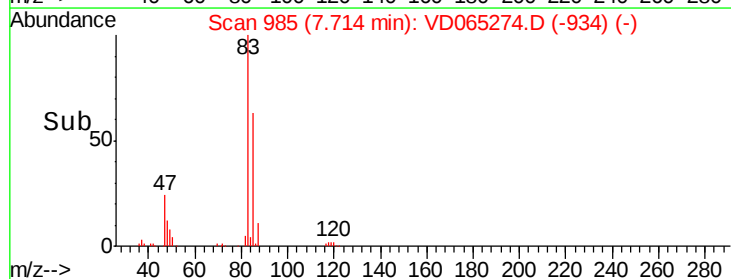
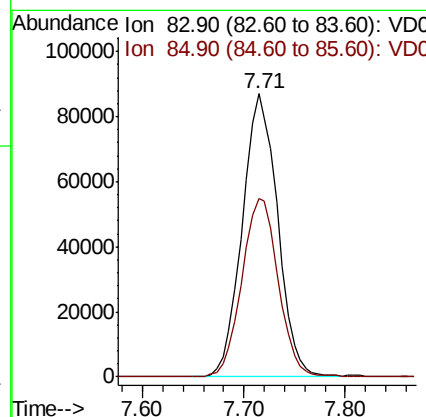
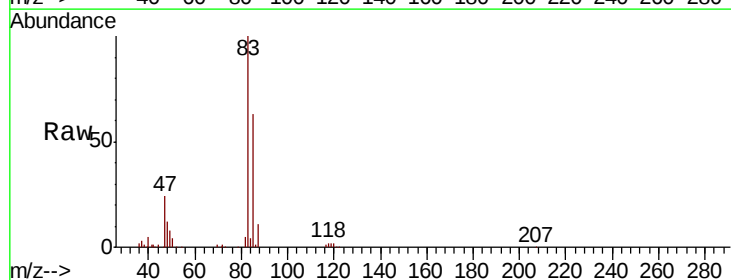
Instrument :
MSVOA_D
ClientSampleId :

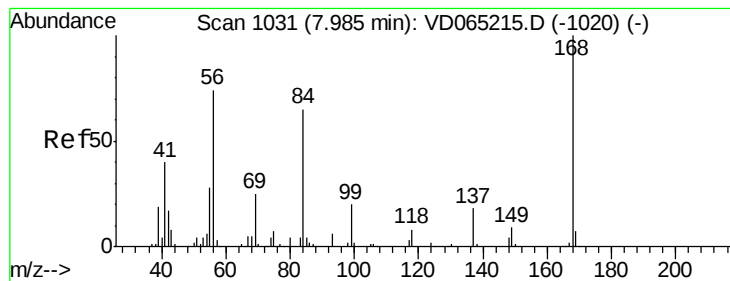
Tot Ion: 42 Resp: 155980
Ion Ratio Lower Upper
42 100
72 41.5 33.7 50.5
71 39.3 31.4 47.2



#30
Chloroform
Concen: 55.109 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 83 Resp: 210333
Ion Ratio Lower Upper
83 100
85 63.1 52.3 78.5





#31

Cyclohexane

Concen: 38.282 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampled :

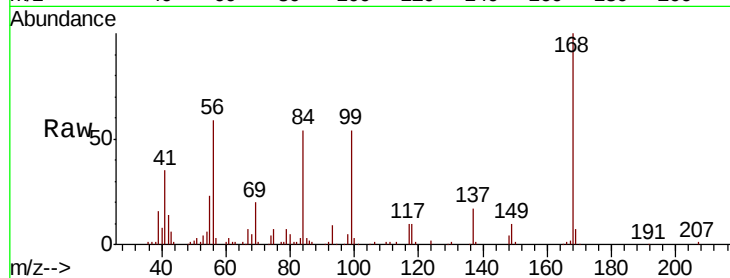
Tot Ion: 56 Resp: 142492

Ion Ratio Lower Upper

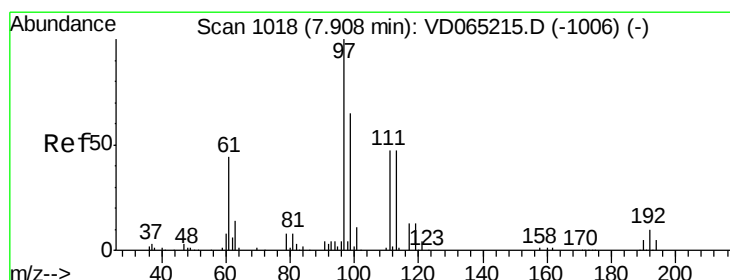
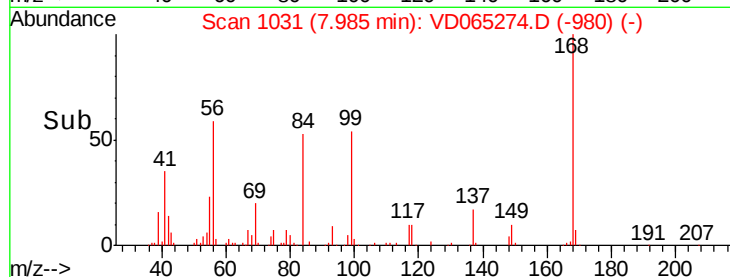
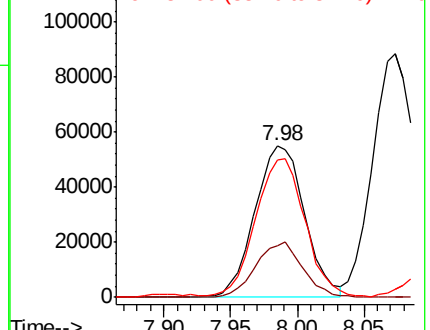
56 100

69 33.9 27.4 41.0

84 89.2 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 48.857 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

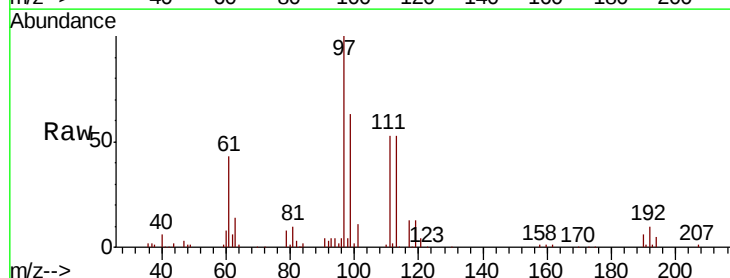
Tgt Ion: 97 Resp: 166841

Ion Ratio Lower Upper

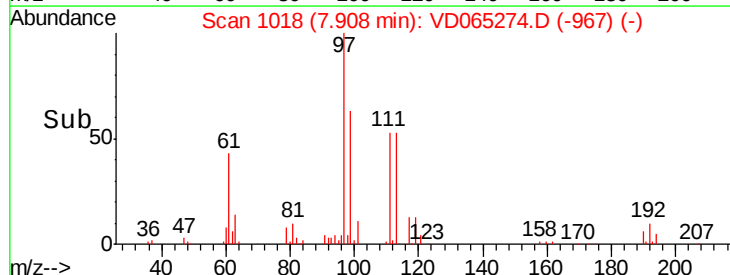
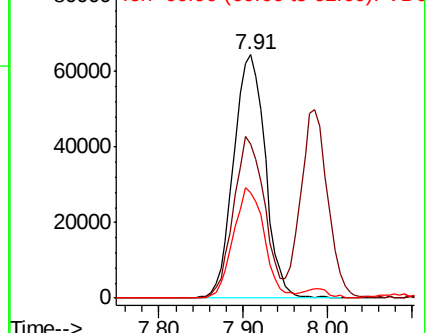
97 100

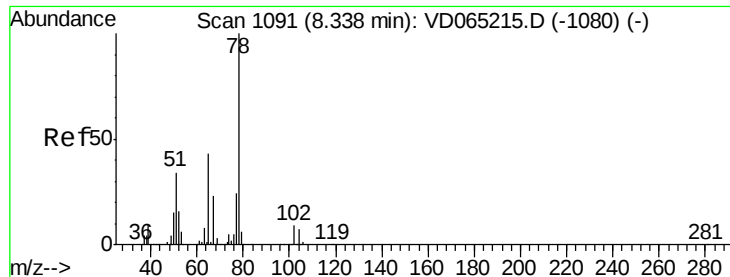
99 64.4 51.4 77.2

61 44.3 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 67.599 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

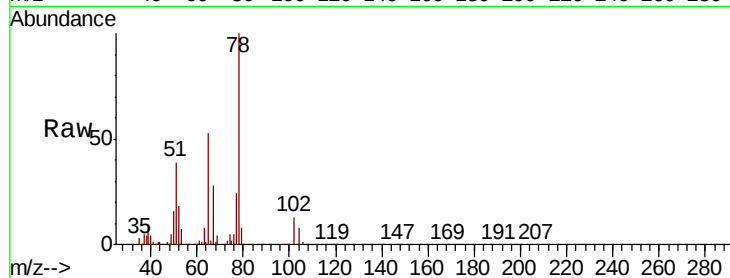
ClientSampleId :

Tot Ion: 65 Resp: 127969

Ion Ratio Lower Upper

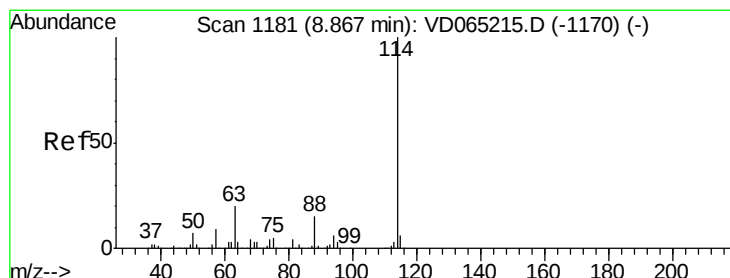
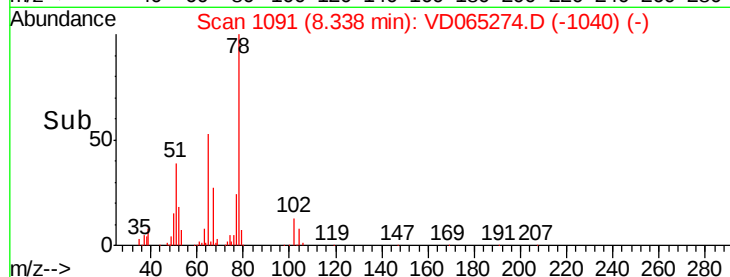
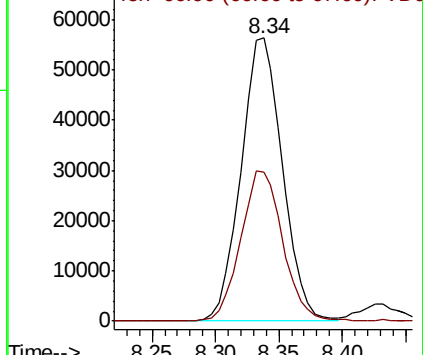
65 100

67 53.7 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# 1182

Delta R.T. 0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

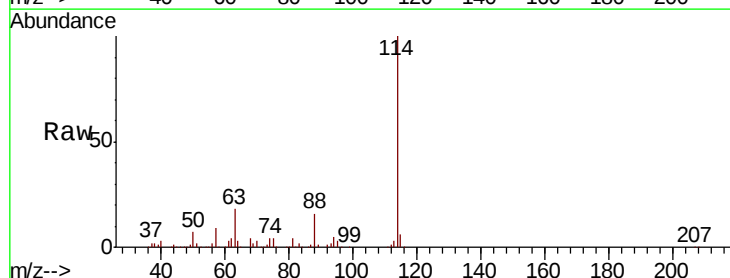
Tgt Ion:114 Resp: 315278

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

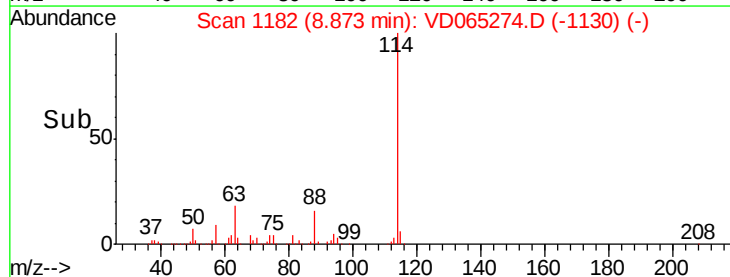
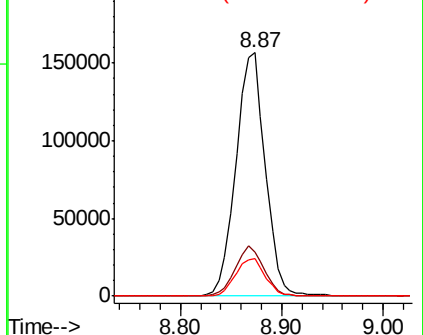
88 15.6 0.0 30.4

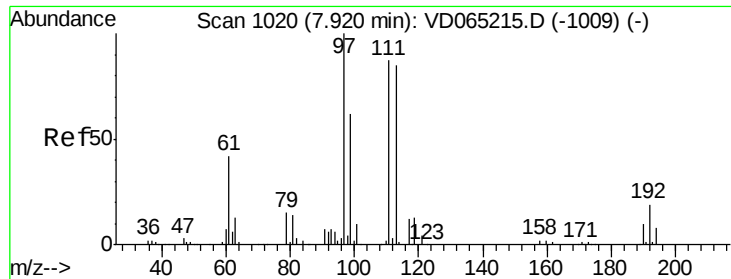


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

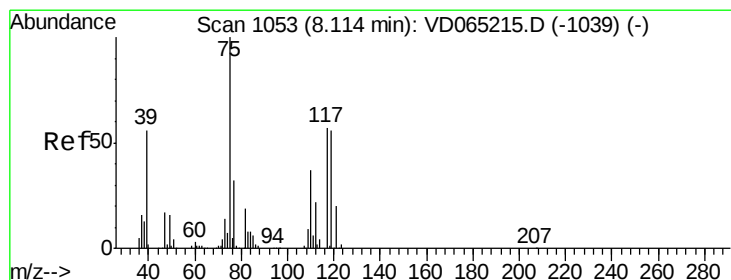
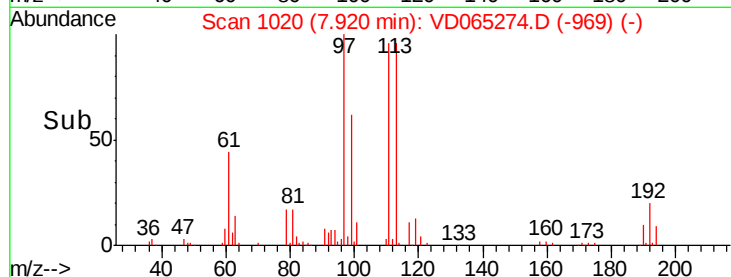
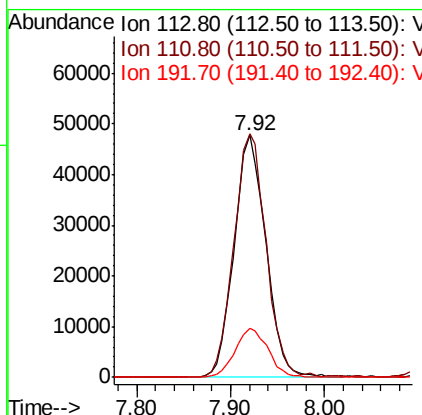
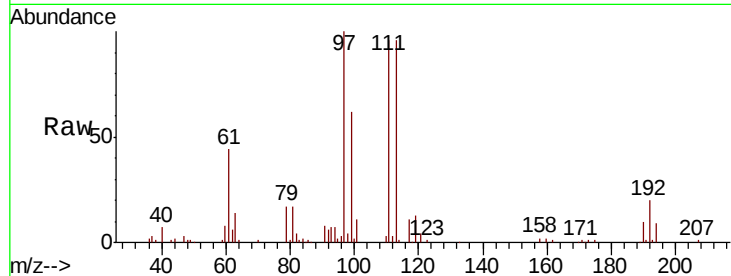




#35
 Dibromofluoromethane
 Concen: 58.125 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

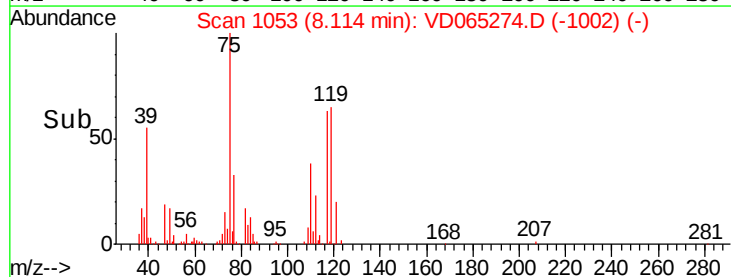
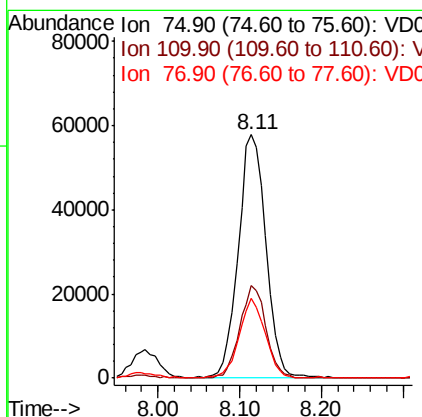
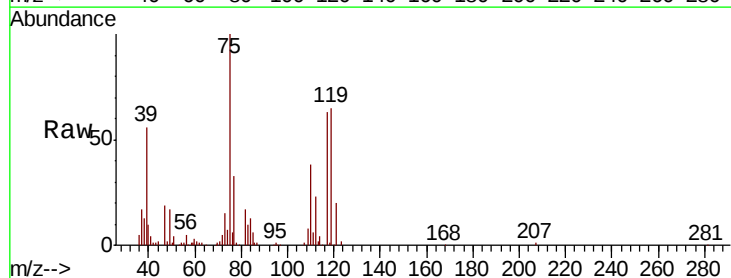
Instrument :
 MSVOA_D
 ClientSampleId :

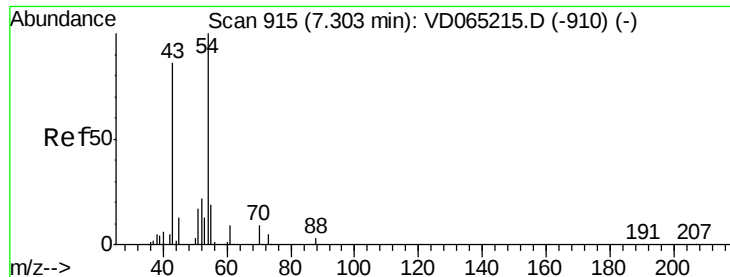
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	20.9	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 44.582 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.9	53.7
77	30.8	25.1	37.7

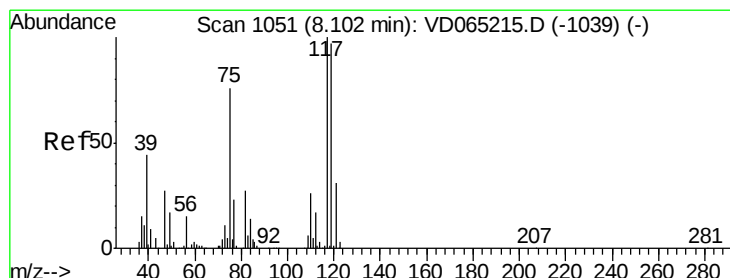
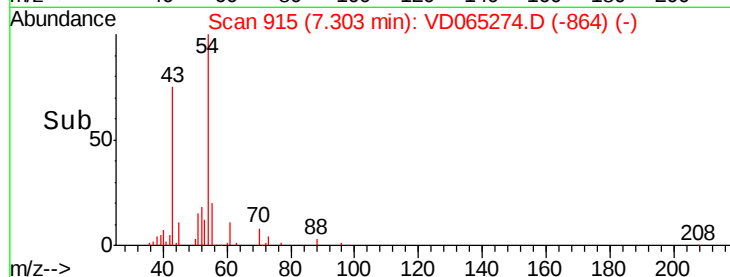
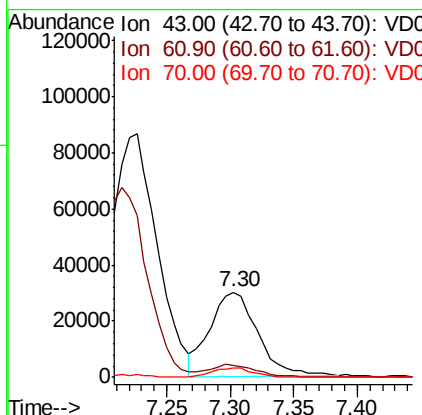
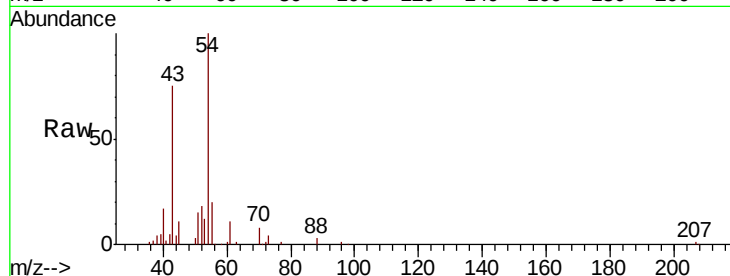




#37
Ethyl Acetate
Concen: 61.507 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

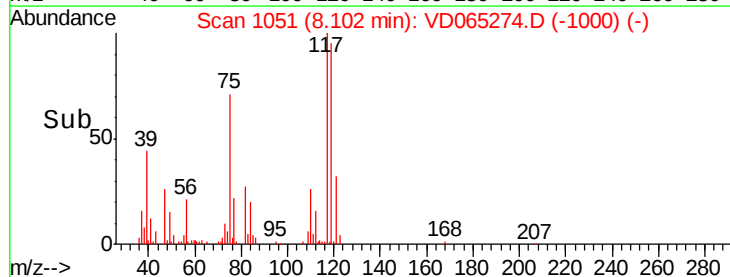
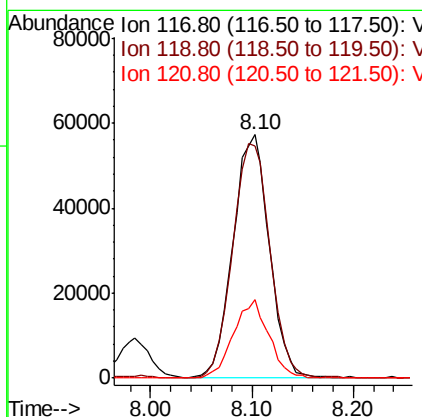
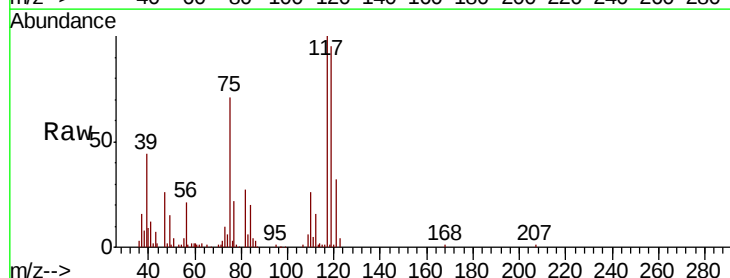
Instrument :
MSVOA_D
ClientSampled :

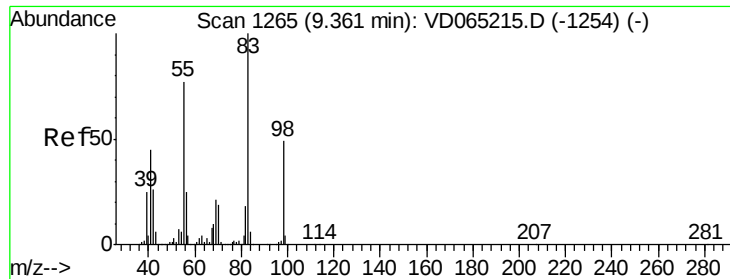
Tot Ion: 43 Resp: 78878
Ion Ratio Lower Upper
43 100
61 14.6 11.2 16.8
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 45.622 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 117 Resp: 142470
Ion Ratio Lower Upper
117 100
119 95.2 77.6 116.4
121 32.3 24.8 37.2

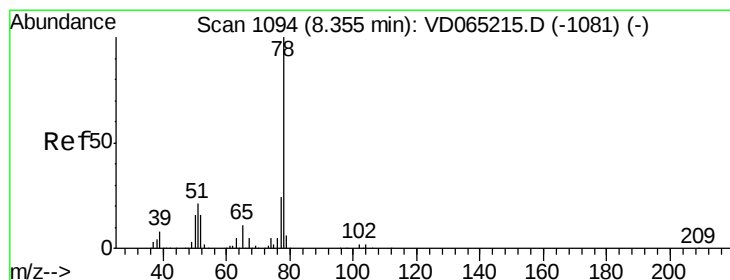
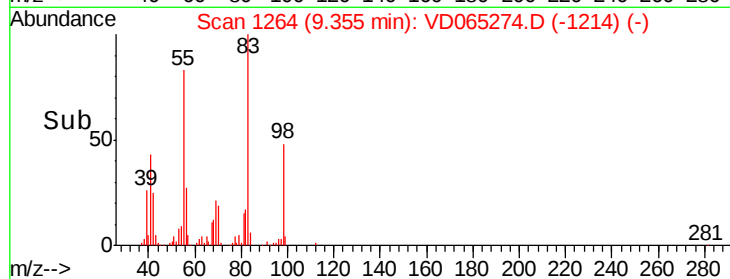
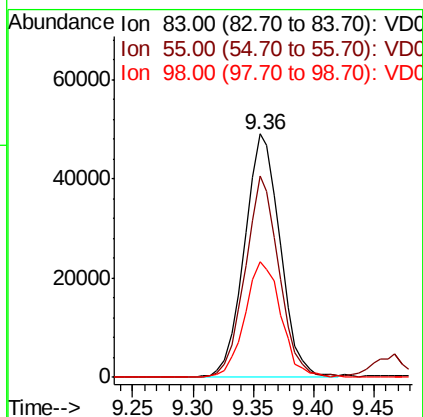
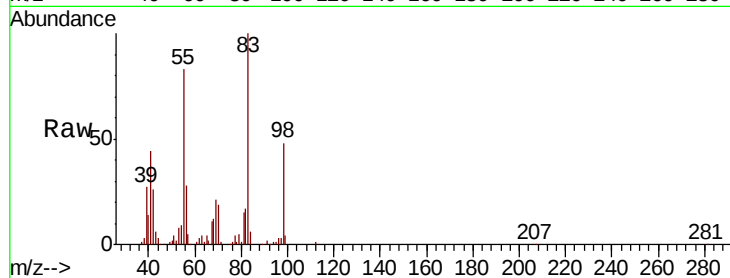




#39
Methvlcvclohexane
Concen: 28.166 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

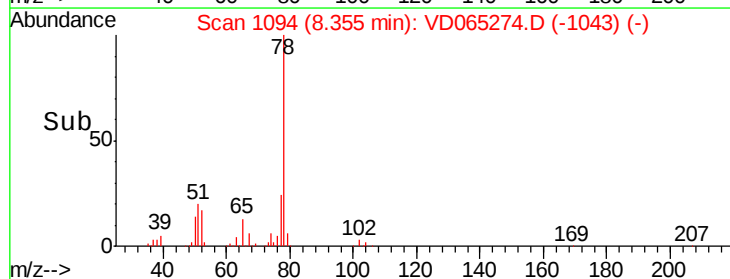
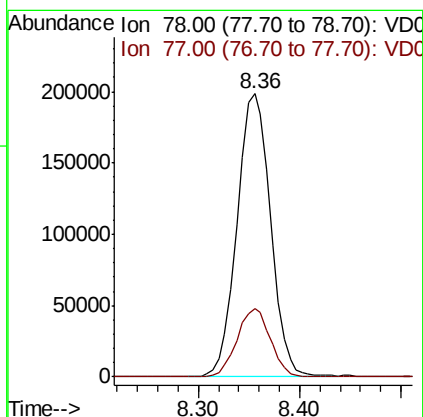
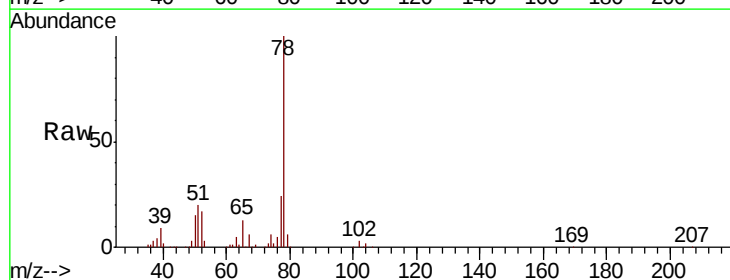
Instrument :
MSVOA_D
ClientSampleId :

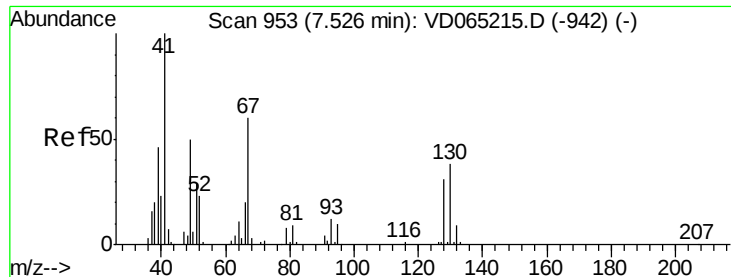
Tot Ion: 83 Resp: 101578
Ion Ratio Lower Upper
83 100
55 82.6 61.8 92.6
98 47.7 39.4 59.0



#40
Benzene
Concen: 52.623 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 78 Resp: 455651
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

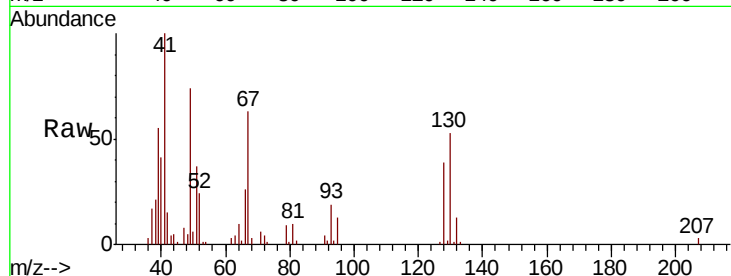




#41
Methacrylonitrile
Concen: 65.337 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.3	48.1	72.1#
67	87.2	58.9	88.3
52	36.9	24.2	36.2#



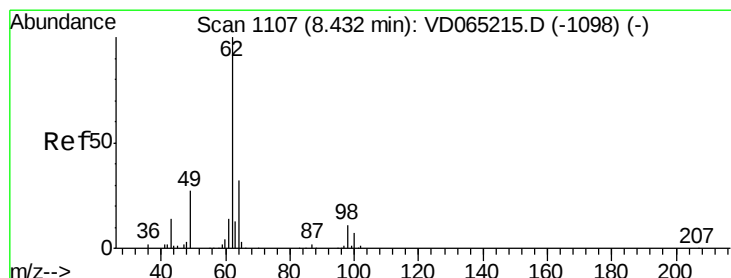
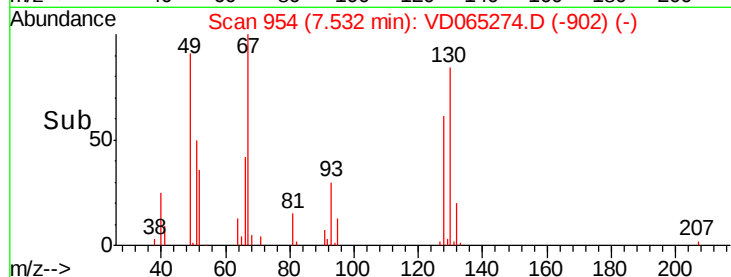
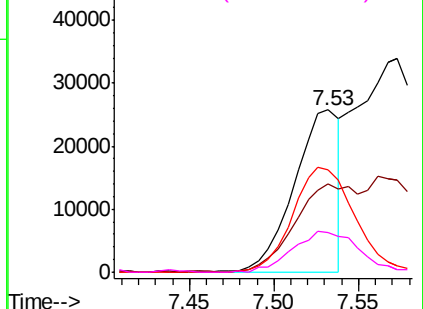
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

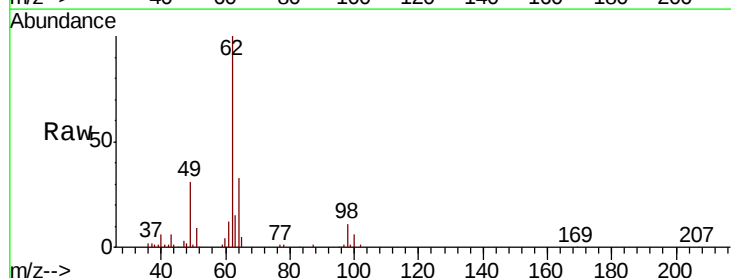
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 67.083 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

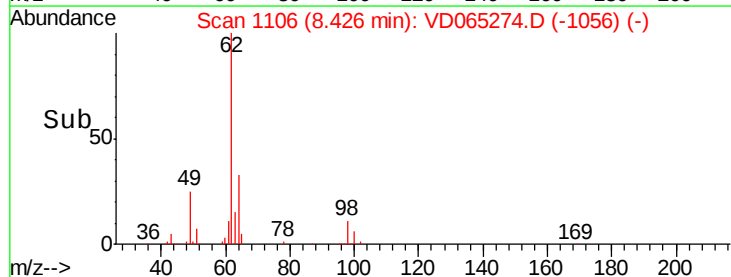
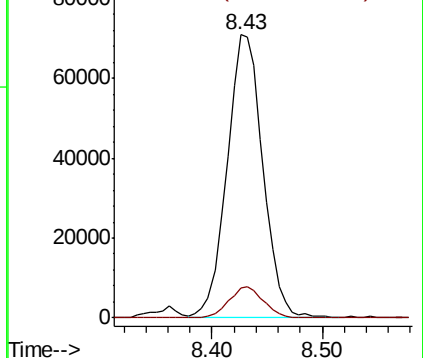
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6

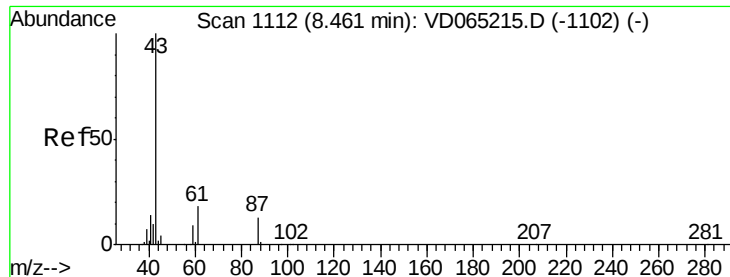


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 68.035 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

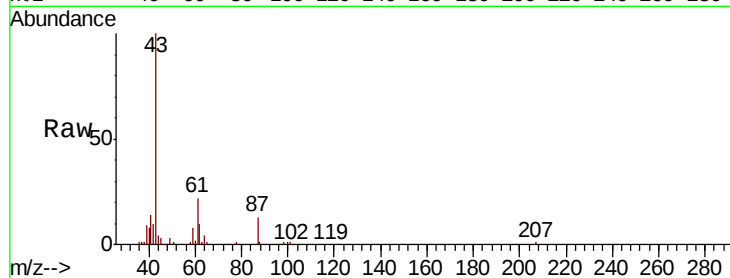
Tot Ion: 43 Resp: 158661

Ion Ratio Lower Upper

43 100

61 31.4 24.6 36.8

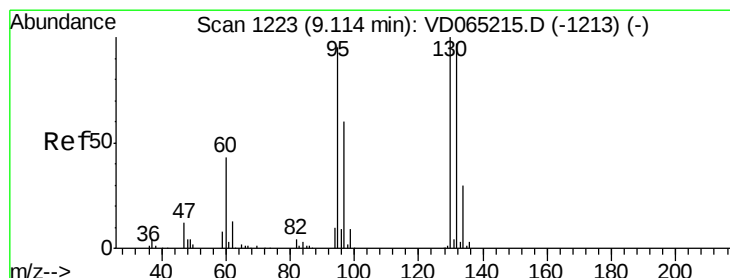
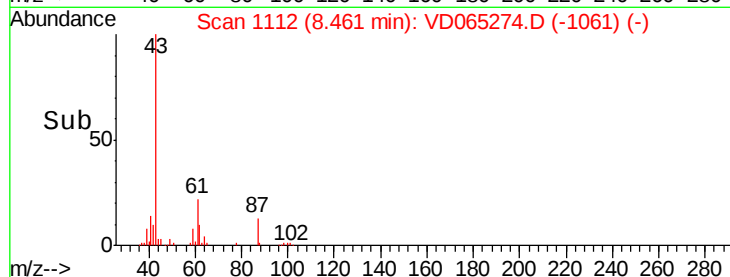
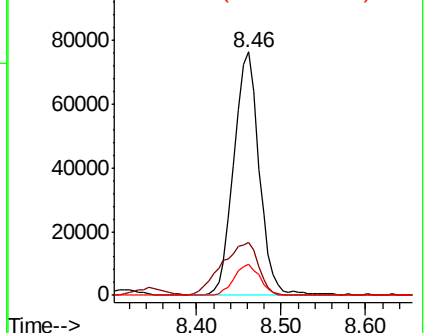
87 12.9 10.6 16.0



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: 45.680 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065274.D

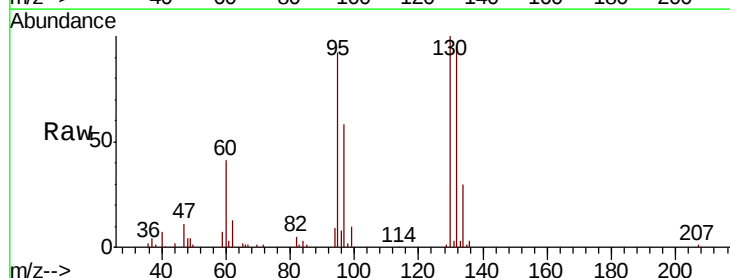
Acq: 21 Feb 2020 14:38

Tgt Ion:130 Resp: 109640

Ion Ratio Lower Upper

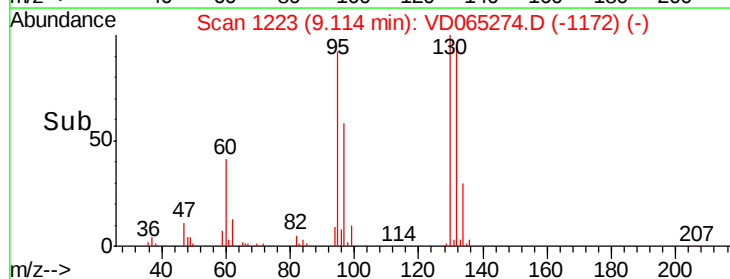
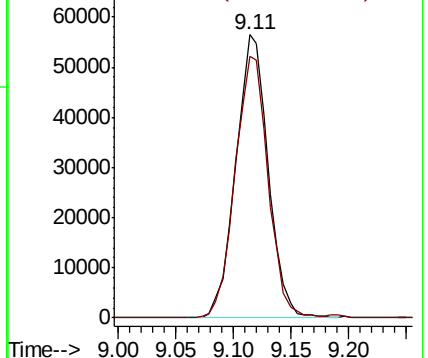
130 100

95 92.3 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: 57.672 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

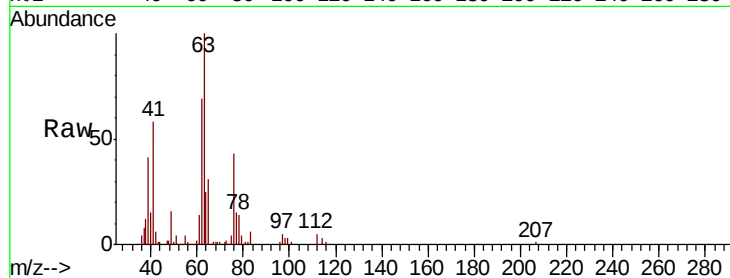
ClientSampleId :

Tot Ion: 63 Resp: 124172

Ion Ratio Lower Upper

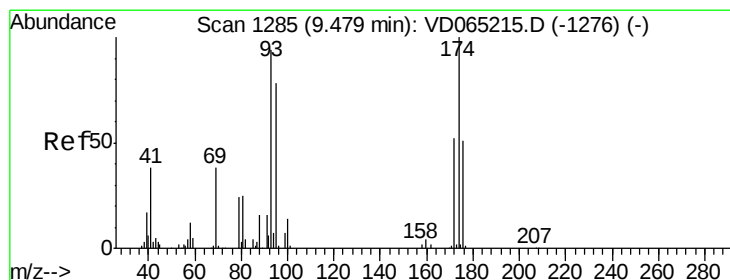
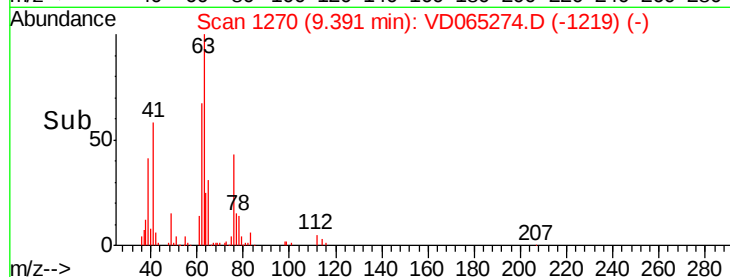
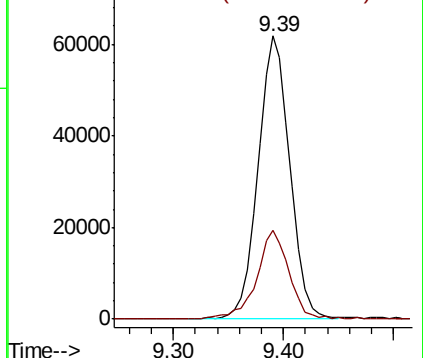
63 100

65 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 69.586 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

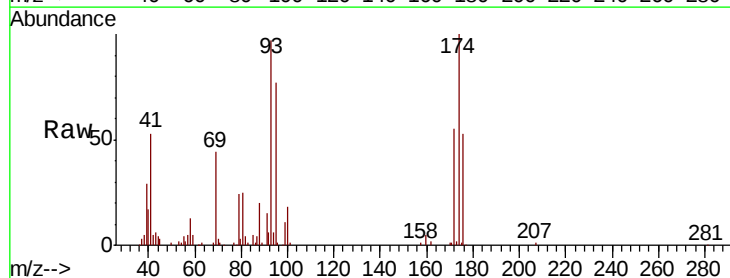
Tgt Ion: 93 Resp: 77087

Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.6

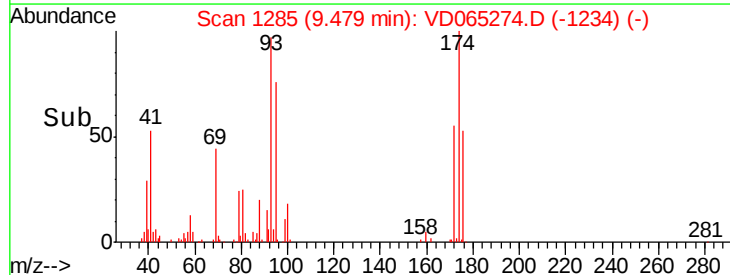
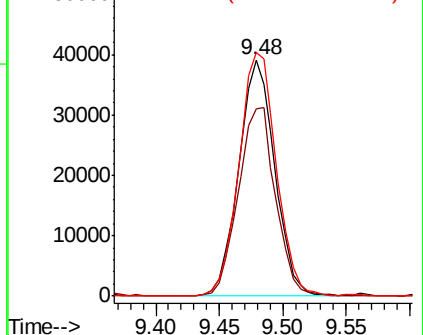
174 106.9 86.8 130.2

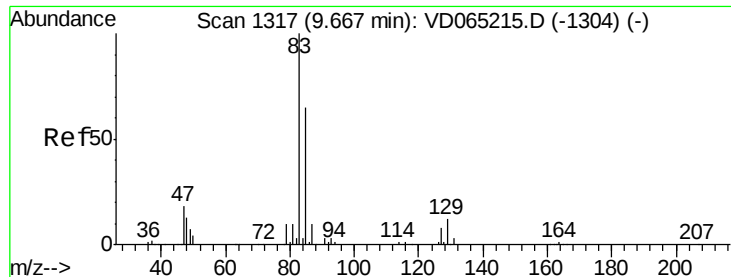


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.365 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

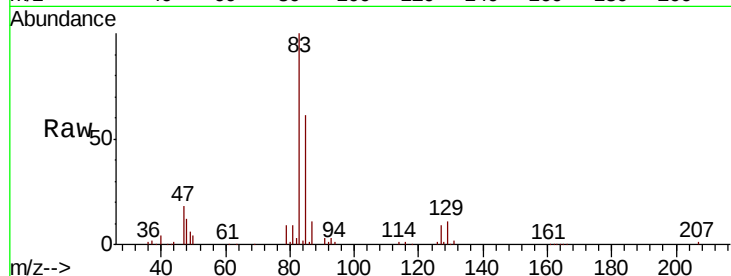
Tot Ion: 83 Resp: 170395

Ion Ratio Lower Upper

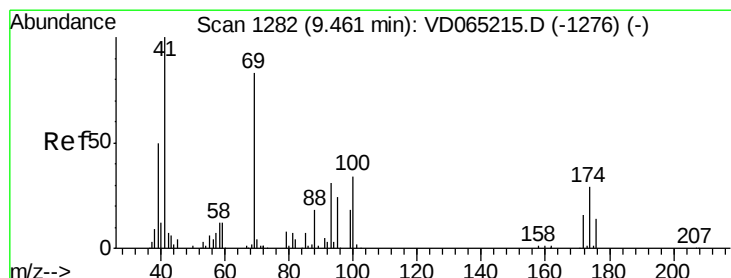
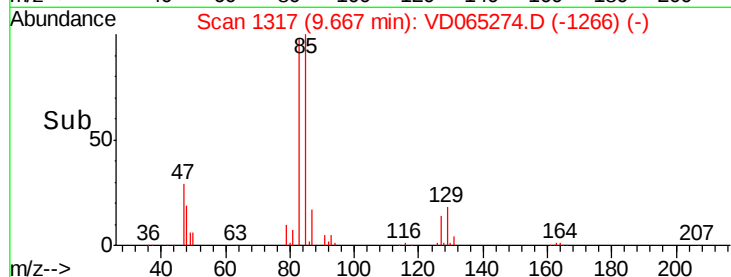
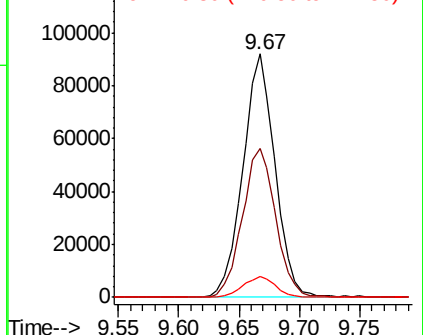
83 100

85 61.2 52.0 78.0

127 8.8 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: 104.728 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

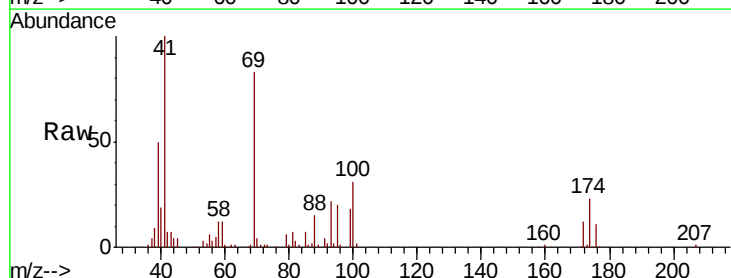
Tgt Ion: 41 Resp: 112891

Ion Ratio Lower Upper

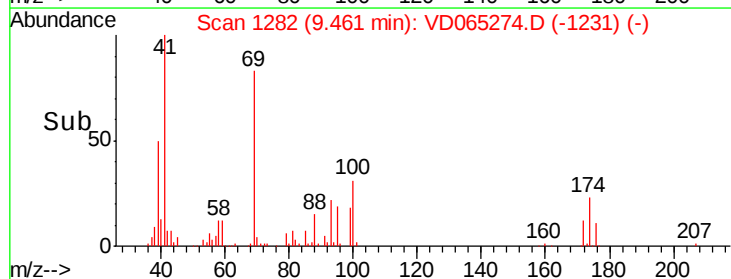
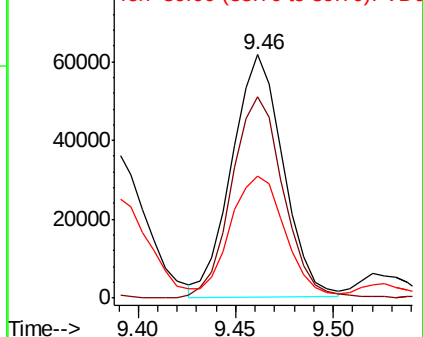
41 100

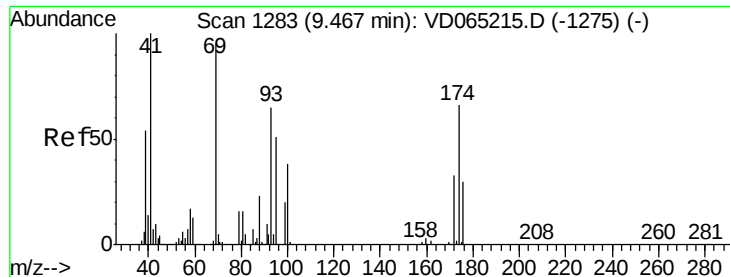
69 82.6 68.2 102.2

39 53.6 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

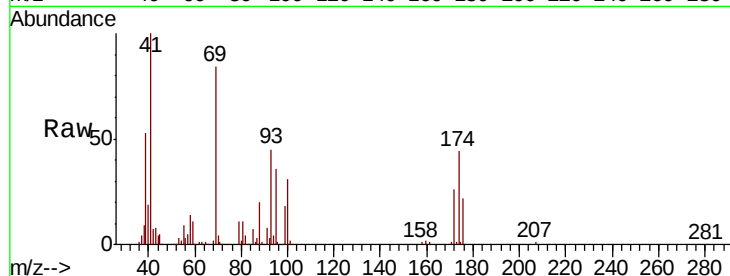




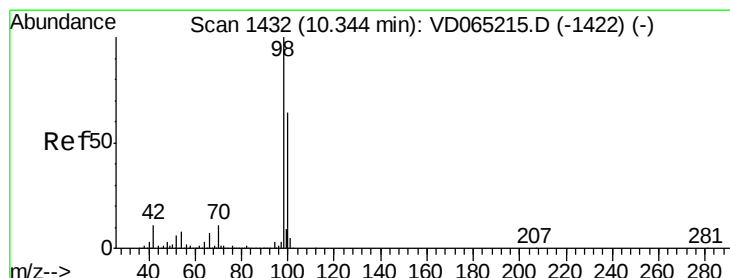
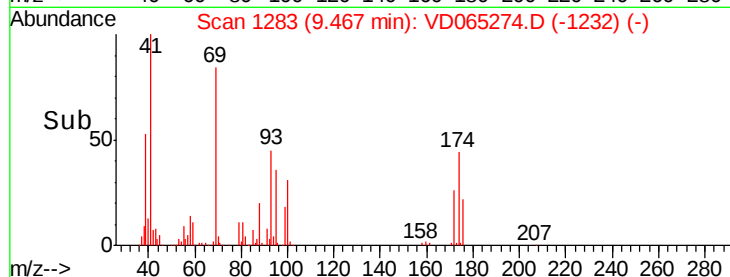
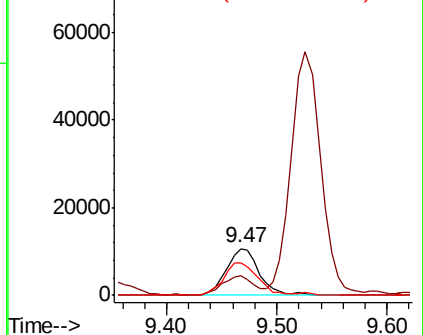
#49
 1,4-Dioxane
 Concen: 1733.413 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 22522
 Ion Ratio Lower Upper
 88 100
 43 38.3 28.5 42.7
 58 71.2 58.6 87.8

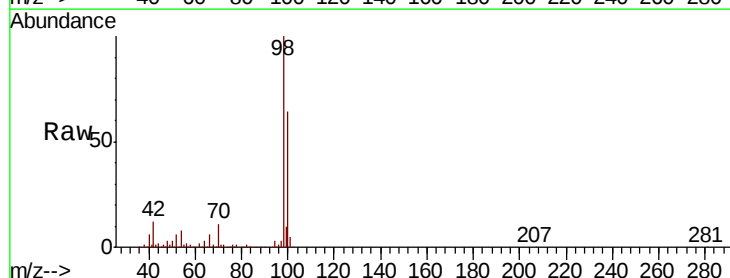


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

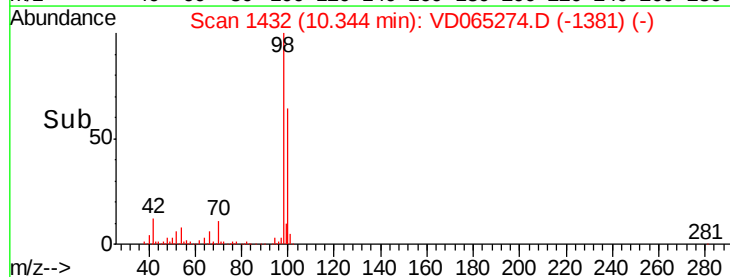
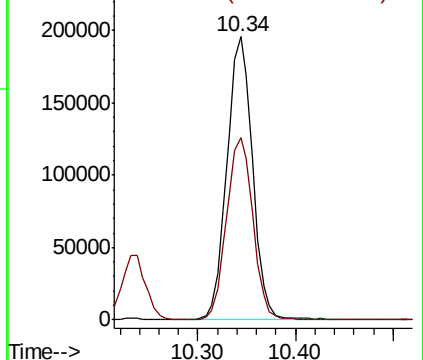


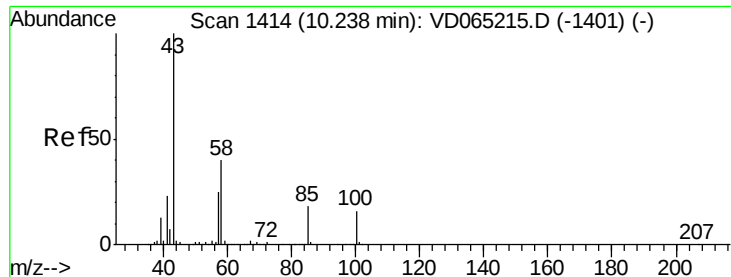
#50
 Toluene-d8
 Concen: 48.593 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 98 Resp: 357113
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

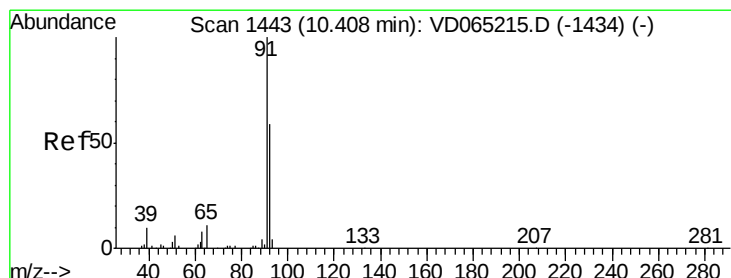
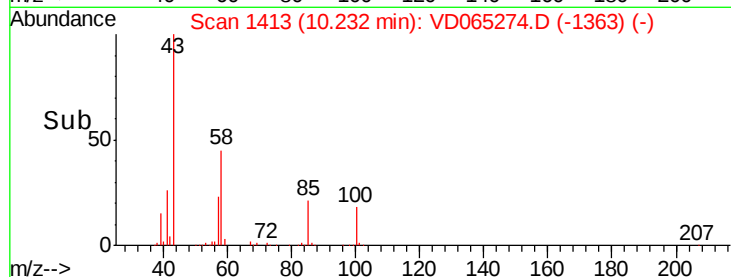
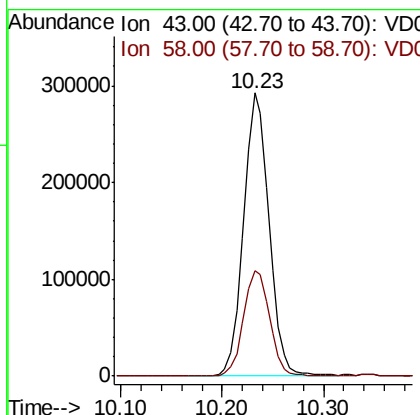
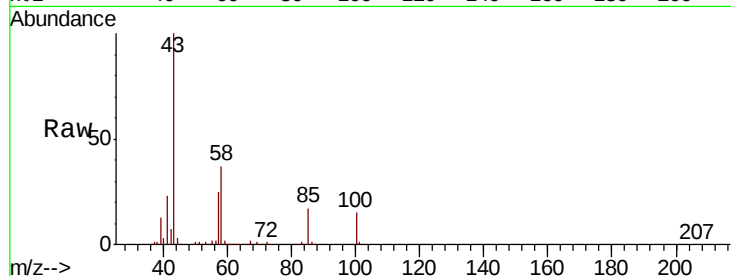




#51
 4-Methyl-2-Pentanone
 Concen: 430.695 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

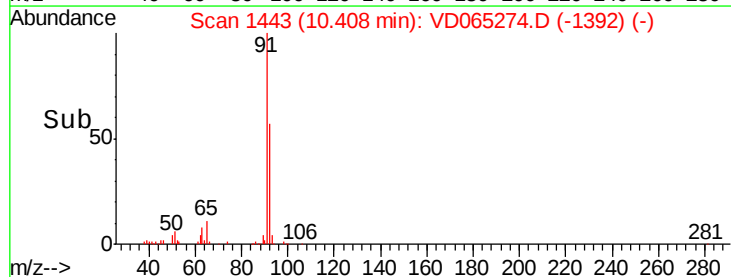
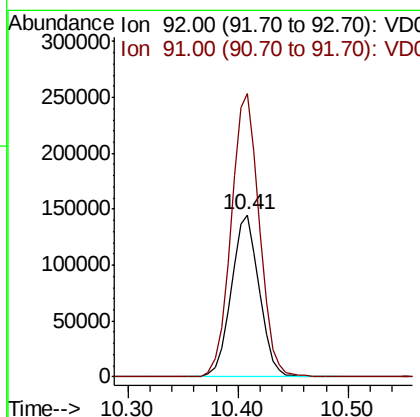
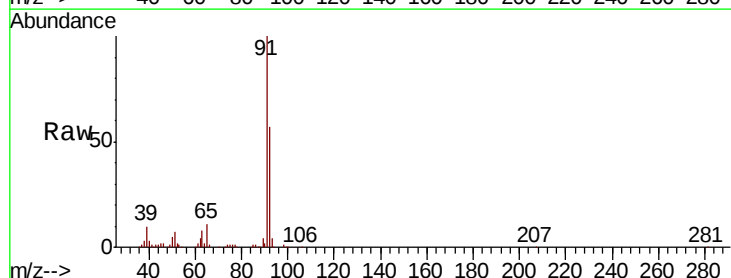
Instrument :
 MSVOA_D
 ClientSampleId :

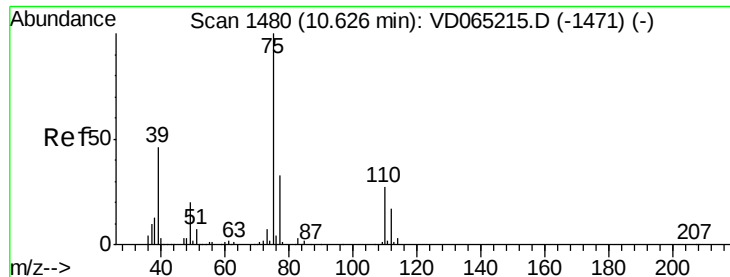
Tot Ion: 43 Resp: 510150
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.1 46.7



#52
 Toluene
 Concen: 47.931 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 92 Resp: 256893
 Ion Ratio Lower Upper
 92 100
 91 176.6 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 61.478 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

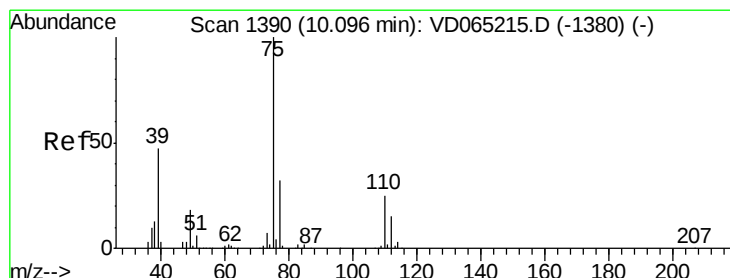
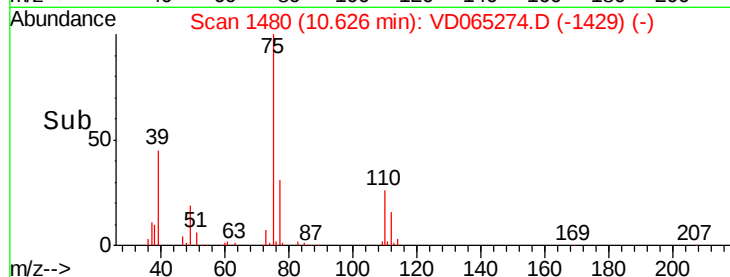
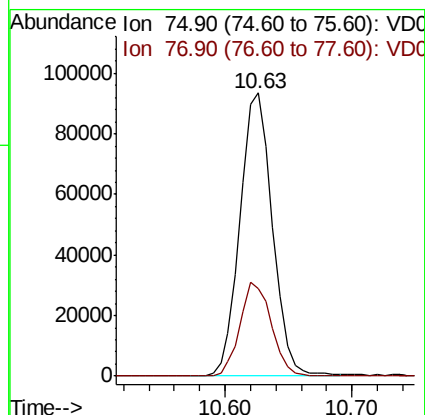
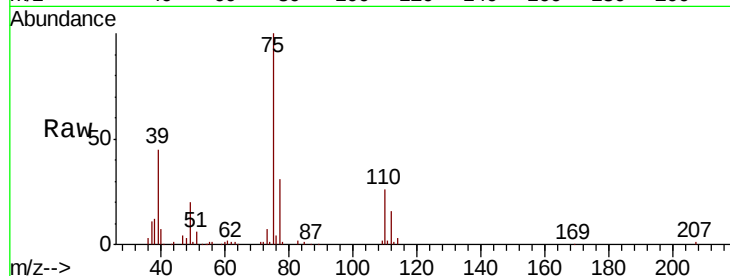
ClientSampleId :

Tot Ion: 75 Resp: 166363

Ion Ratio Lower Upper

75 100

77 30.7 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 59.614 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

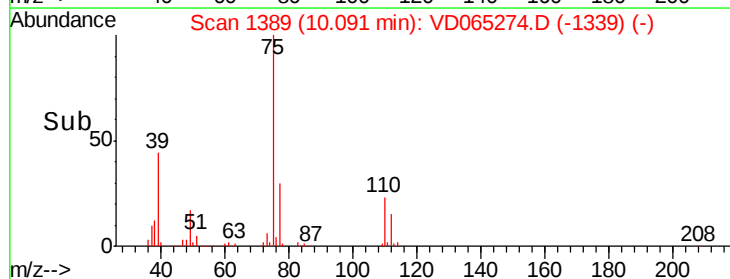
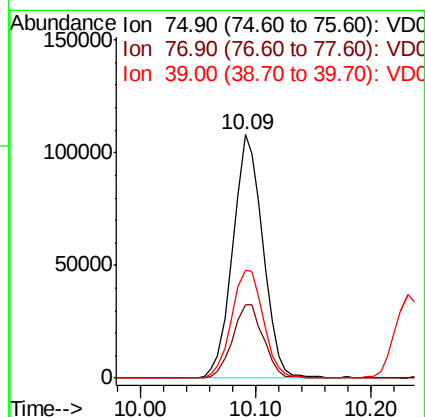
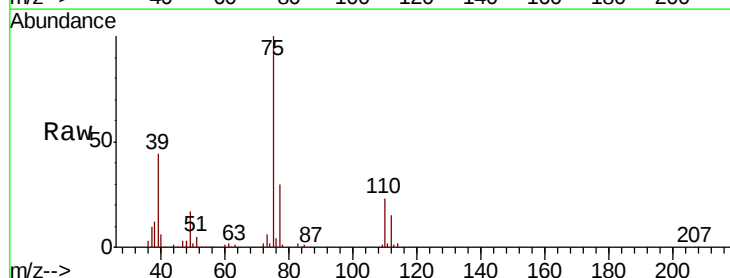
Tgt Ion: 75 Resp: 194799

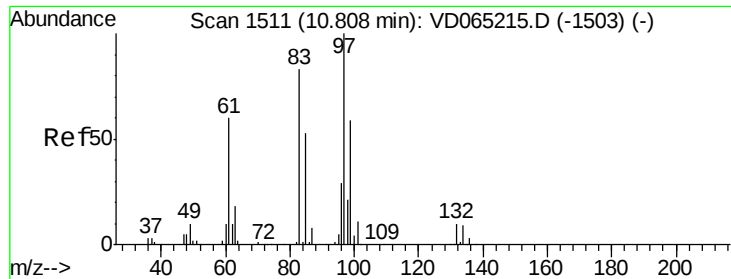
Ion Ratio Lower Upper

75 100

77 29.9 25.8 38.8

39 44.1 37.3 55.9

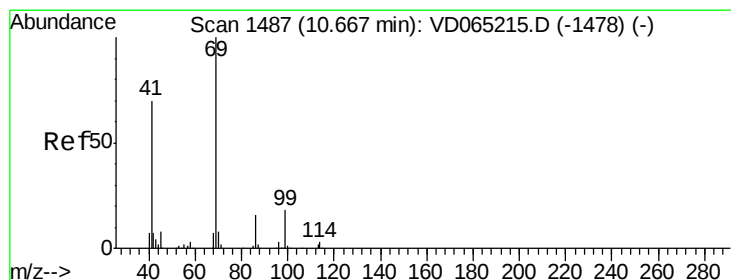
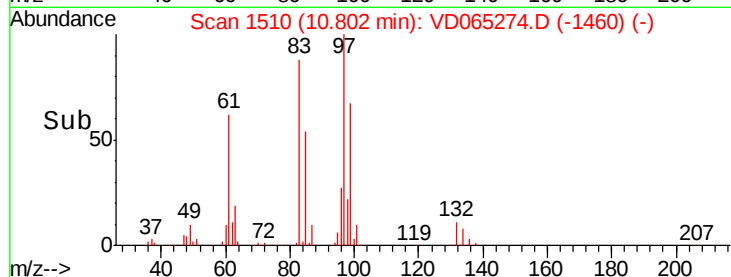
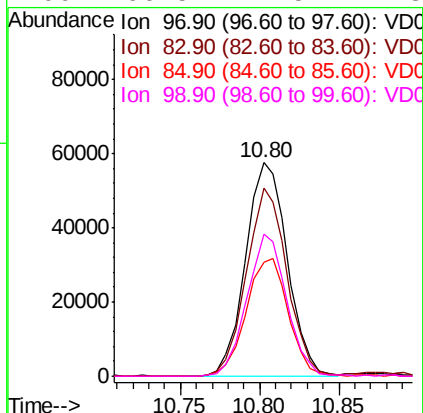
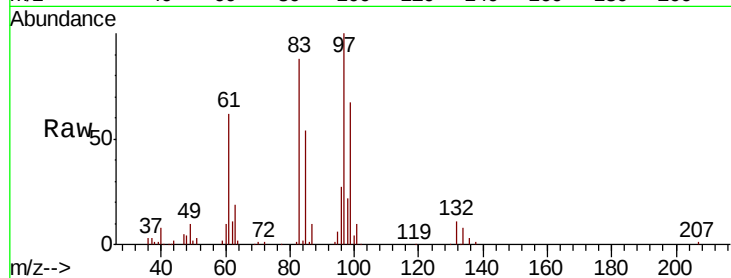




#55
 1,1,2-Trichloroethane
 Concen: 67.564 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

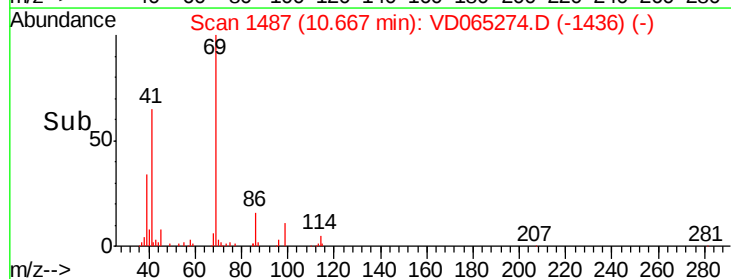
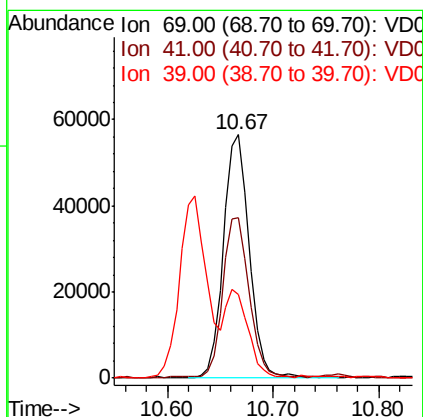
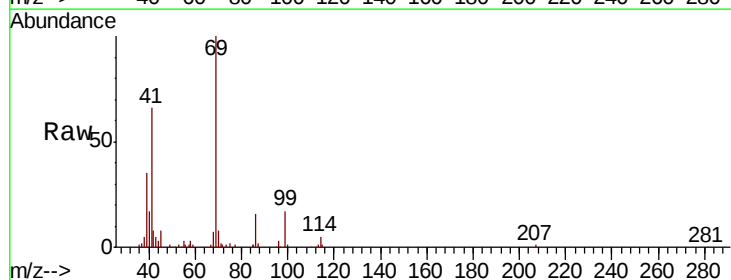
Instrument :
 MSVOA_D
 ClientSampleId :

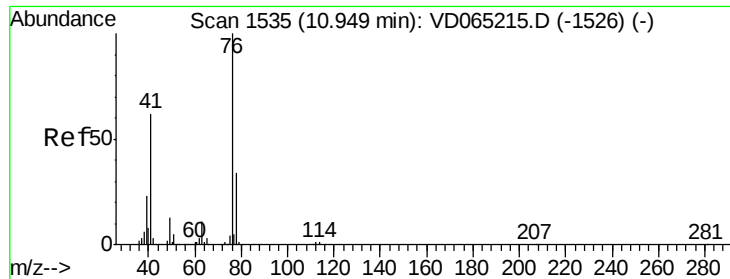
Tot Ion:	97	Resp:	105348
Ion	Ratio	Lower	Upper
97	100		
83	88.1	66.7	100.1
85	53.5	42.4	63.6
99	66.5	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 53.289 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion:	69	Resp:	95904
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	32.1	26.5	39.7

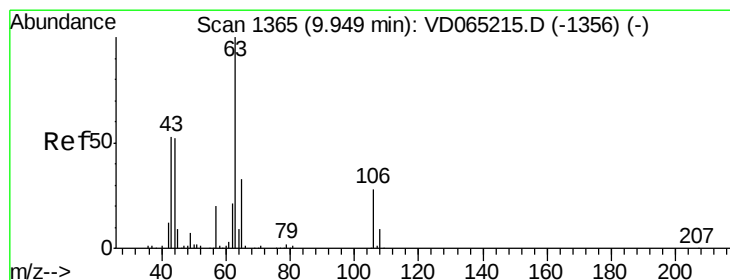
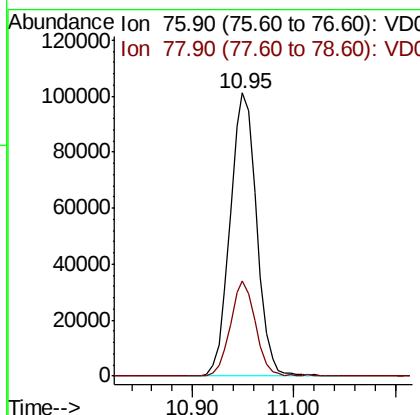
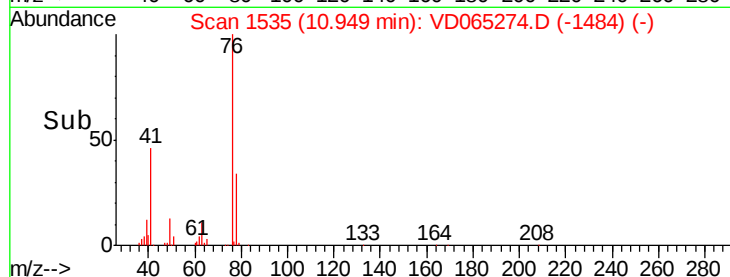
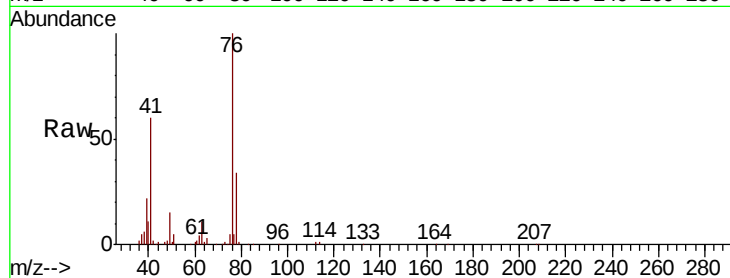




#57
 1,3-Dichloropropane
 Concen: 68.989 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

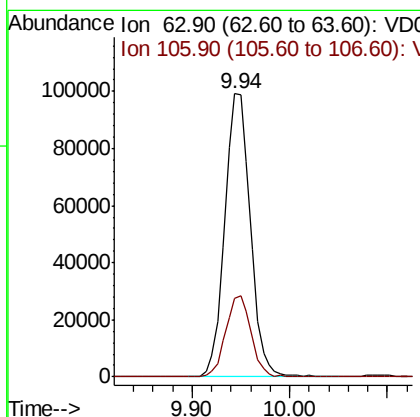
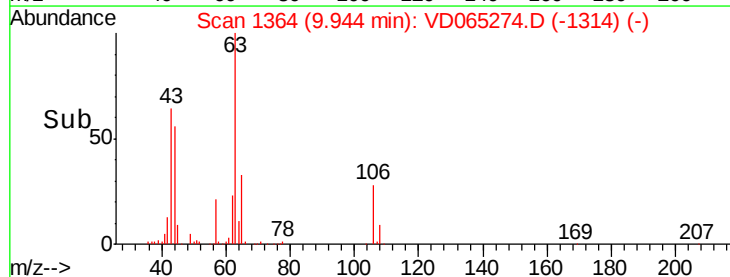
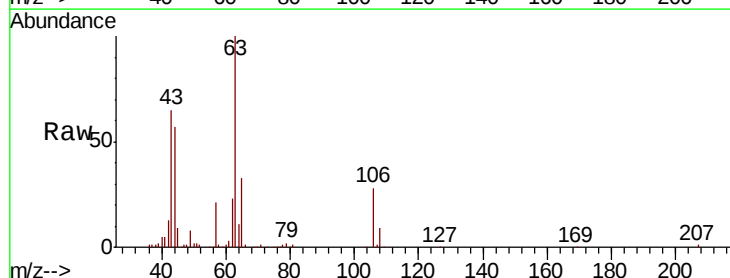
Instrument :
 MSVOA_D
 ClientSampleId :

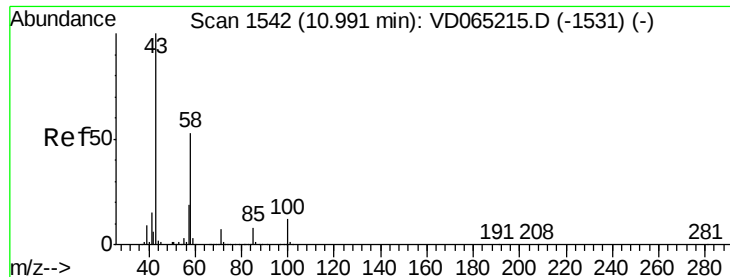
Tot Ion: 76 Resp: 183083
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 318.168 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 63 Resp: 180527
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.8 34.2

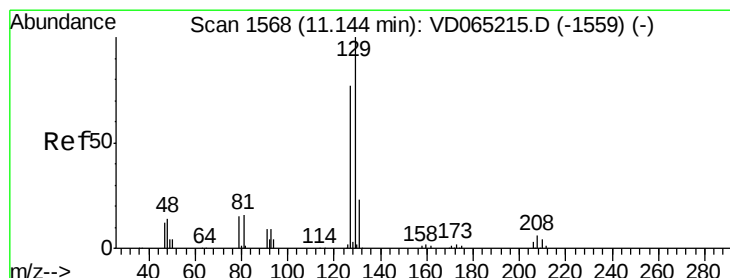
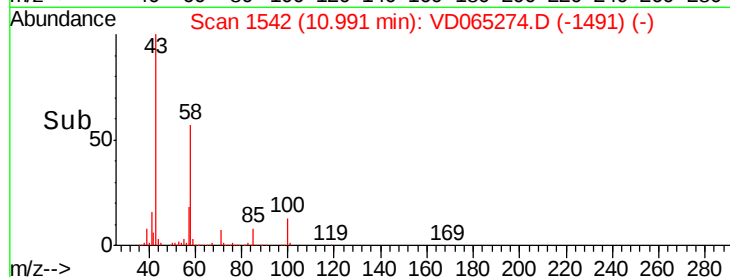
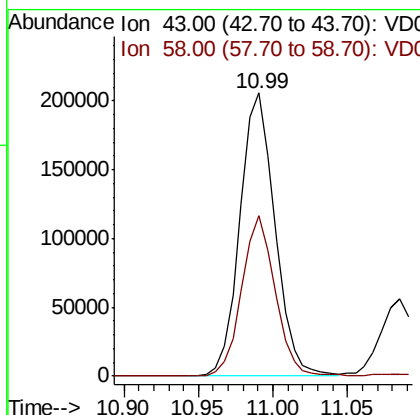
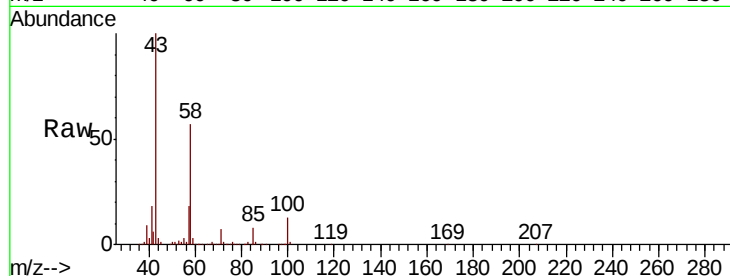




#59
2-Hexanone
Concen: 395.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

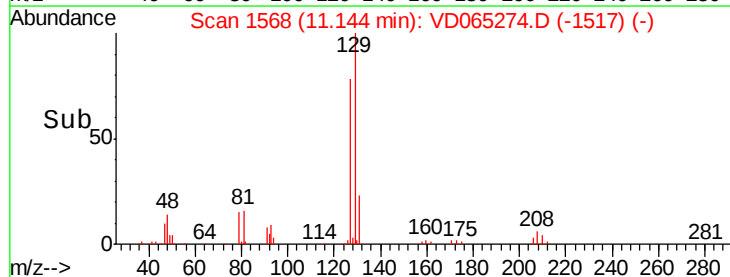
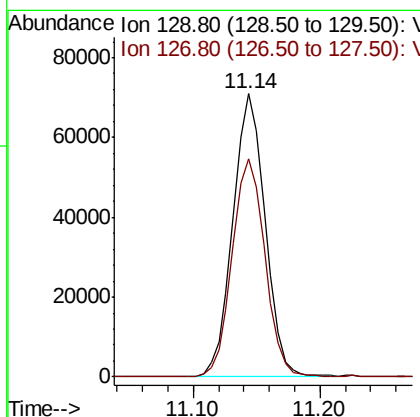
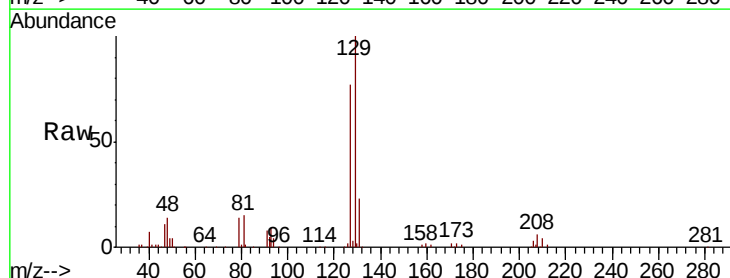
Instrument :
MSVOA_D
ClientSampleId :

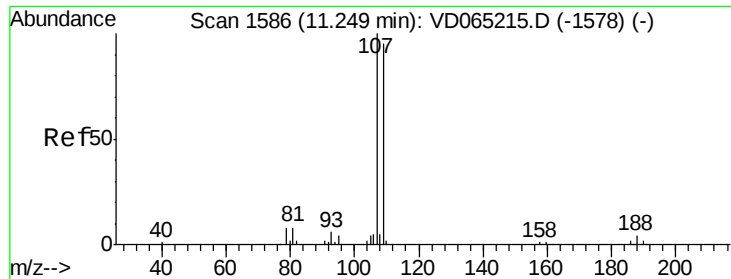
Tot Ion: 43 Resp: 335299
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.8



#60
Dibromochloromethane
Concen: 62.731 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 129 Resp: 125192
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1

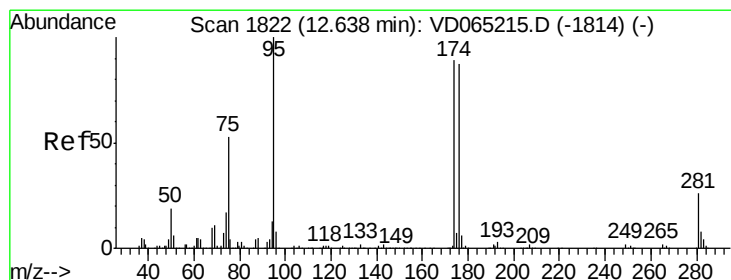
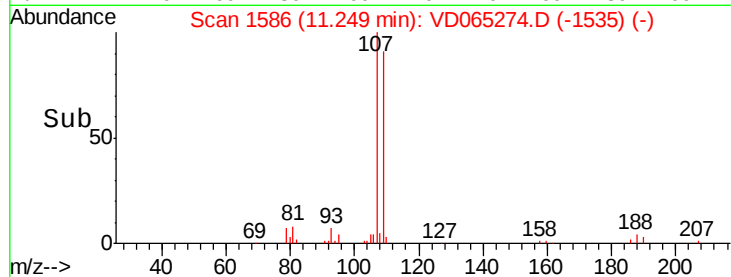
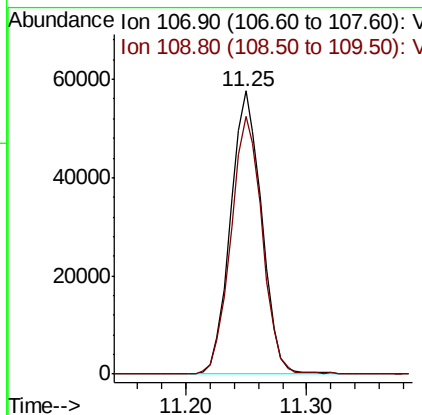
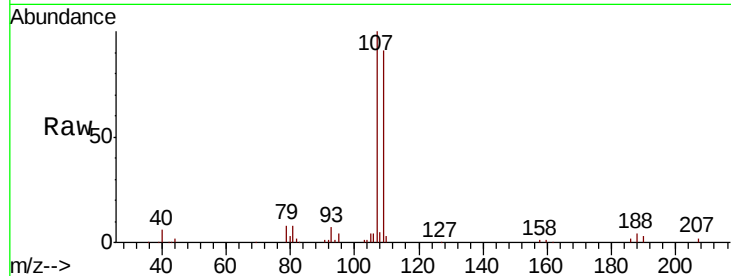




#61
 1,2-Dibromoethane
 Concen: 70.072 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

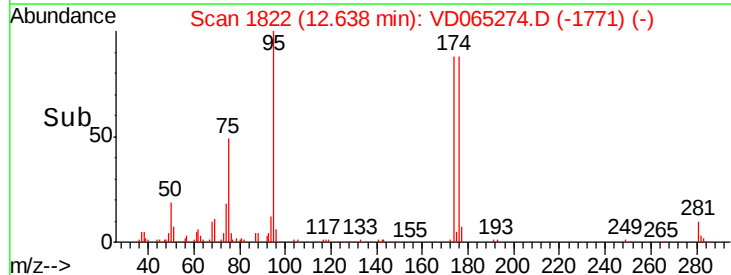
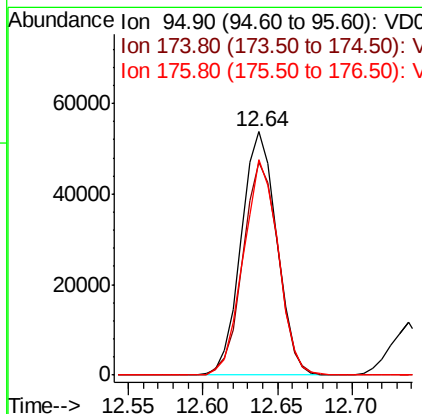
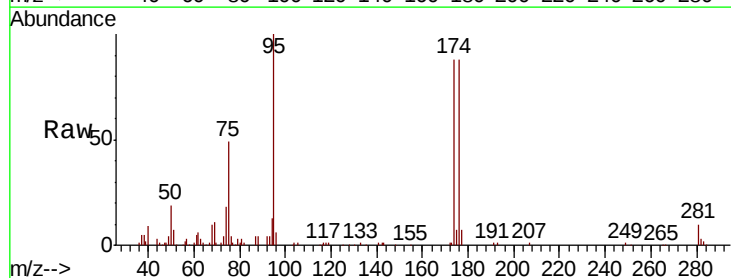
Instrument :
 MSVOA_D
 ClientSampleId :

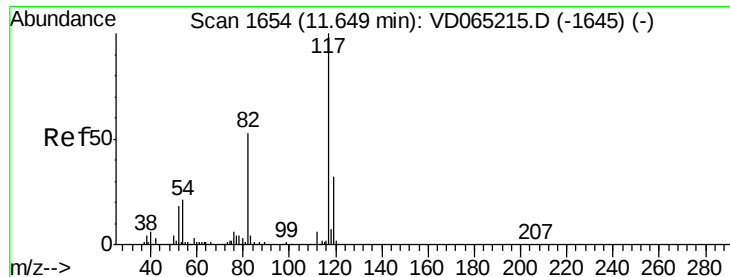
Tot Ion: 107 Resp: 103448
 Ion Ratio Lower Upper
 107 100
 109 91.6 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 38.187 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 95 Resp: 88904
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 178.0
 176 86.2 0.0 174.4

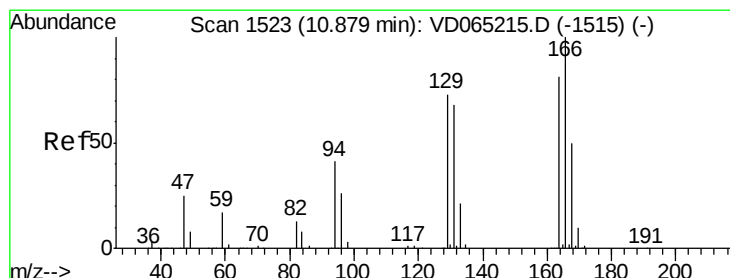
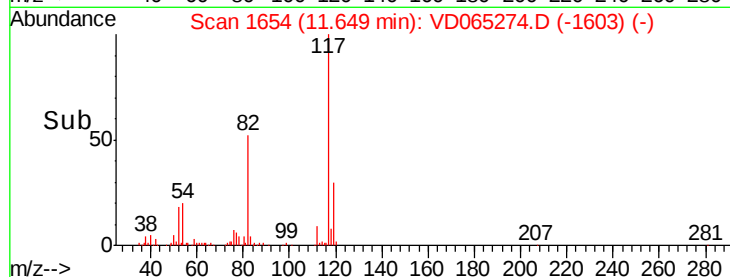
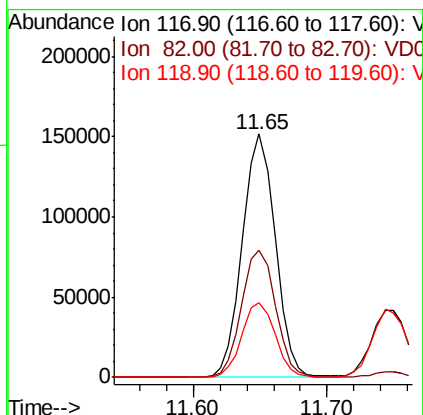
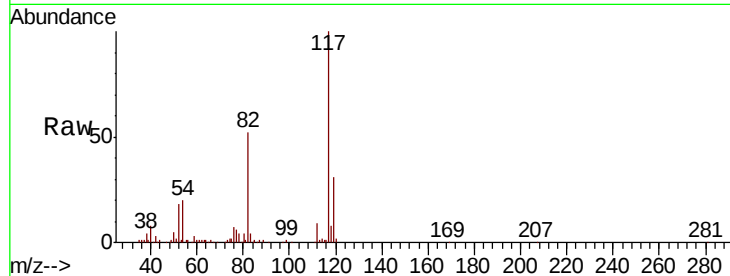




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

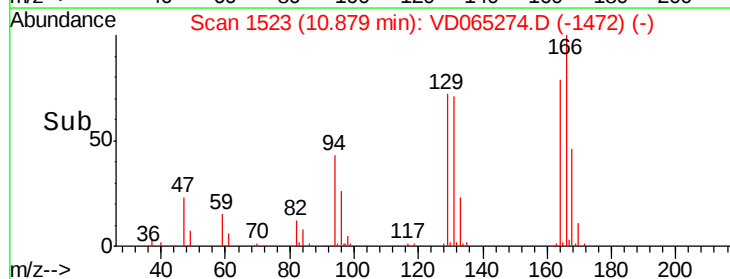
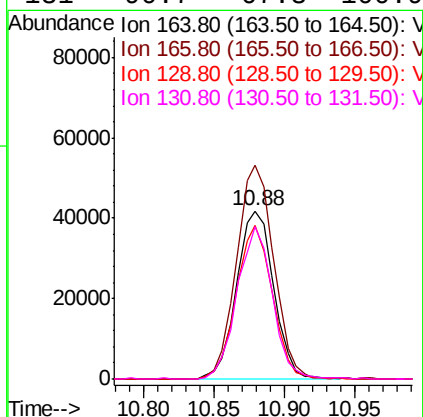
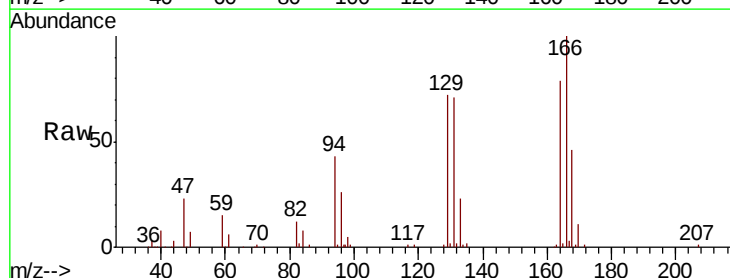
Instrument :
MSVOA_D
ClientSampleId :

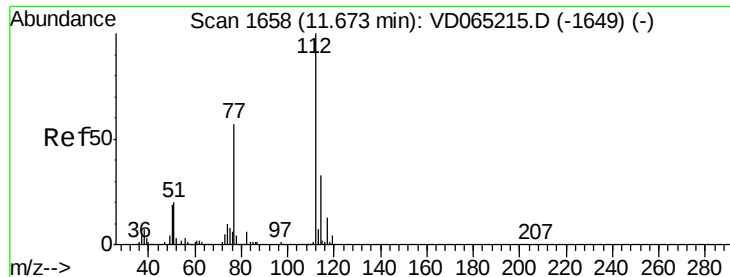
Tot Ion:117 Resp: 260822
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 30.4 25.5 38.3



#64
Tetrachloroethene
Concen: 41.518 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion:164 Resp: 76801
Ion Ratio Lower Upper
164 100
166 127.0 98.4 147.6
129 91.5 71.6 107.4
131 90.7 67.3 100.9





#65

Chlorobenzene

Concen: 46.747 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

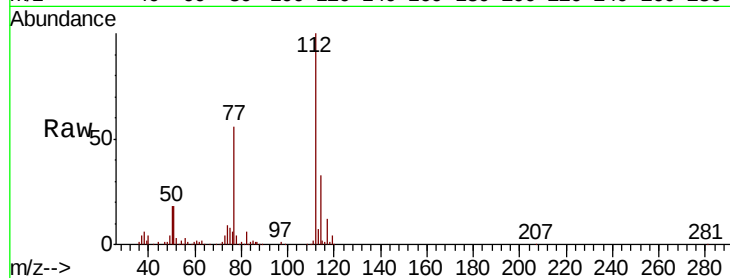
ClientSampleId :

Tot Ion:112 Resp: 244674

Ion Ratio Lower Upper

112 100

114 32.9 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

150000

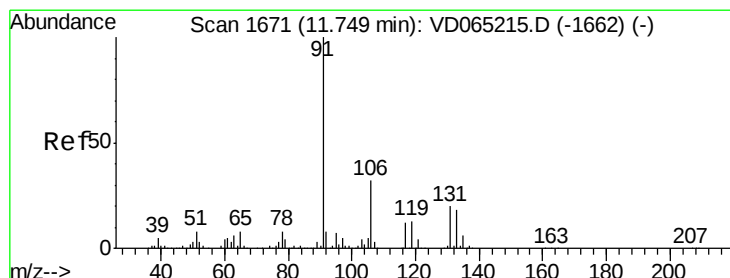
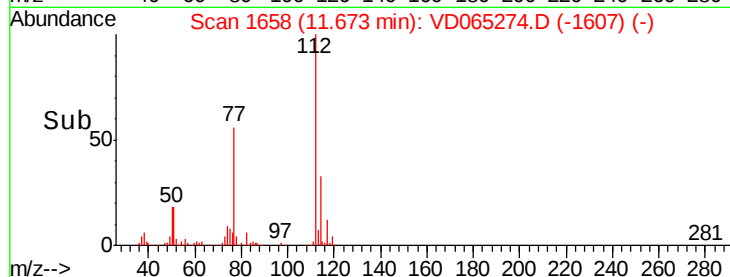
100000

50000

0

11.60 11.70 11.80

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 59.945 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

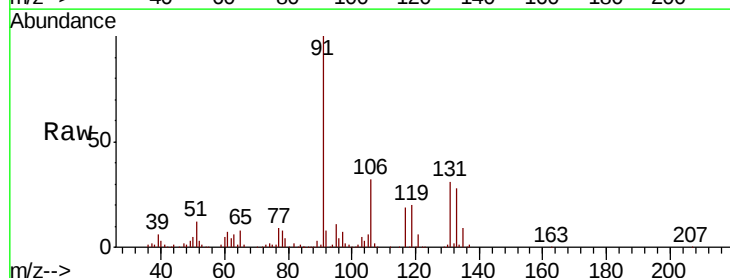
Tgt Ion:131 Resp: 117084

Ion Ratio Lower Upper

131 100

133 93.1 47.7 143.1

119 64.9 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

80000

60000

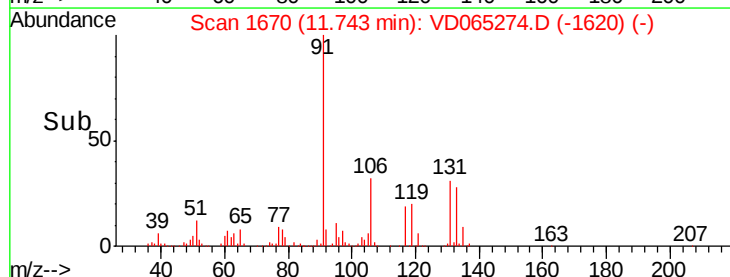
40000

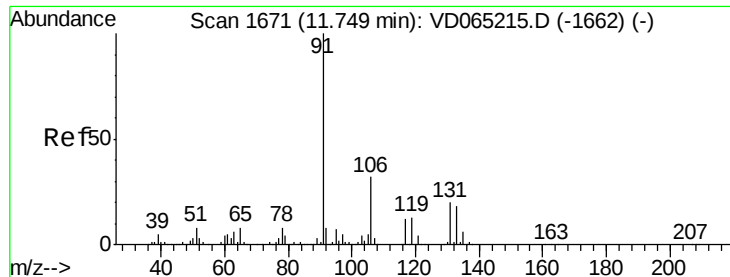
20000

0

11.70 11.80

Time-->





#67

Ethyl Benzene

Concen: 43.202 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

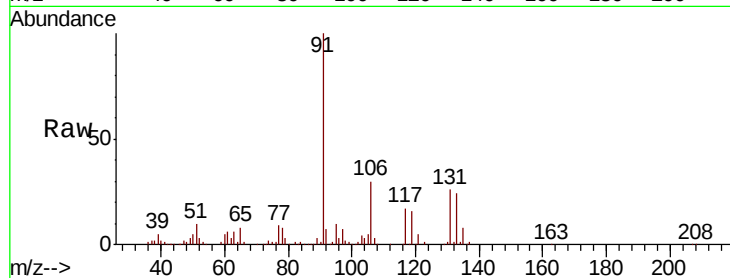
ClientSampled :

Tot Ion: 91 Resp: 396024

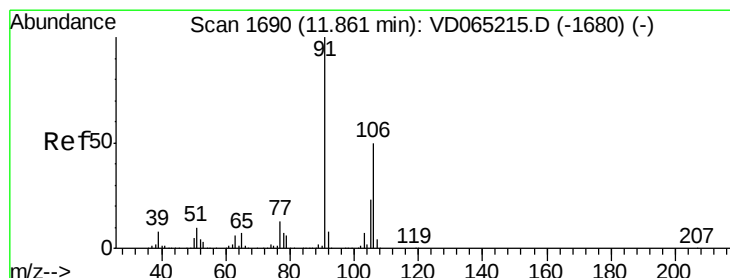
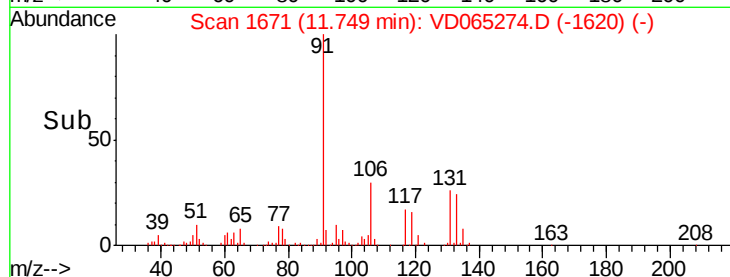
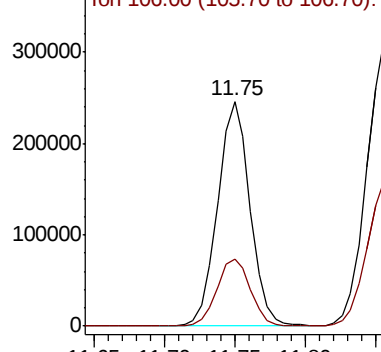
Ion Ratio Lower Upper

91 100

106 29.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 87.111 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065274.D

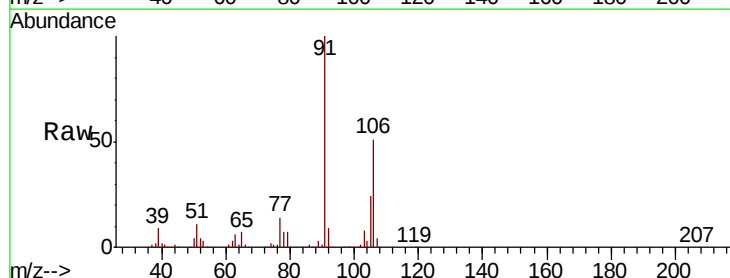
Acq: 21 Feb 2020 14:38

Tgt Ion: 106 Resp: 305513

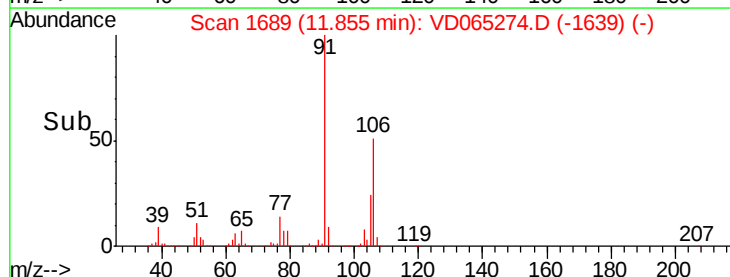
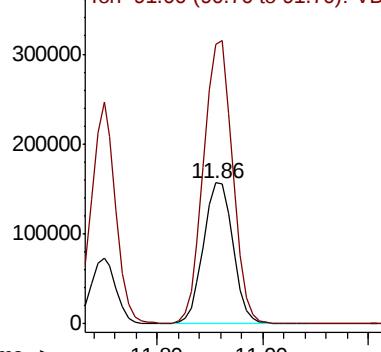
Ion Ratio Lower Upper

106 100

91 197.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

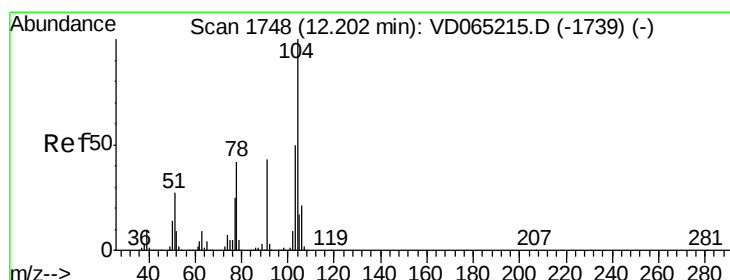
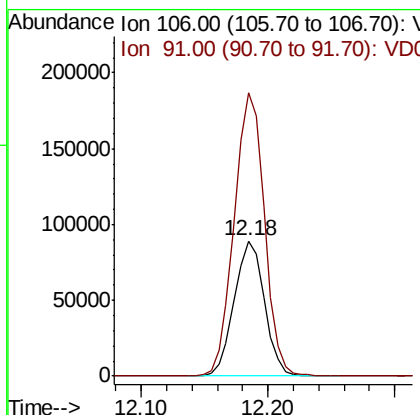
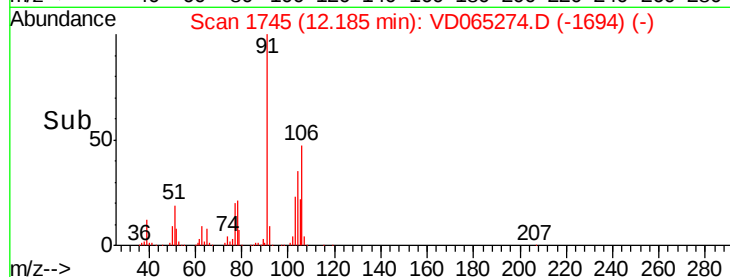
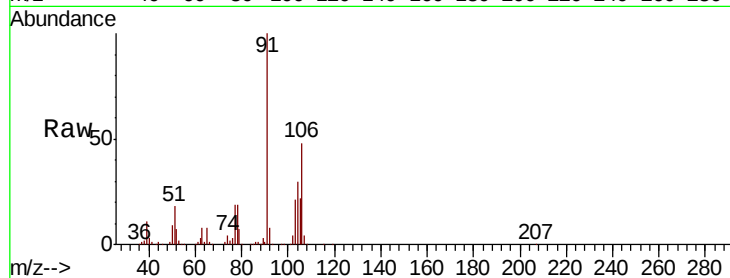




#69
o-Xylene
Concen: 47.212 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

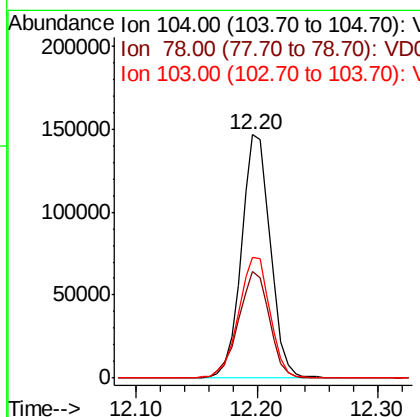
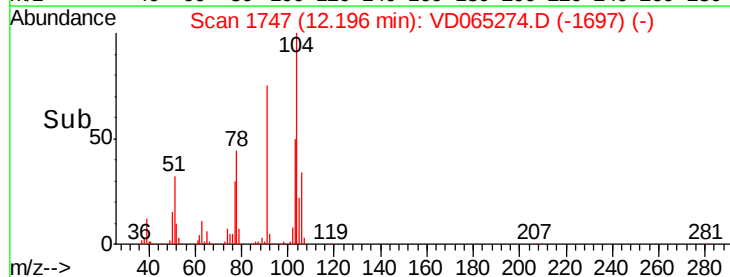
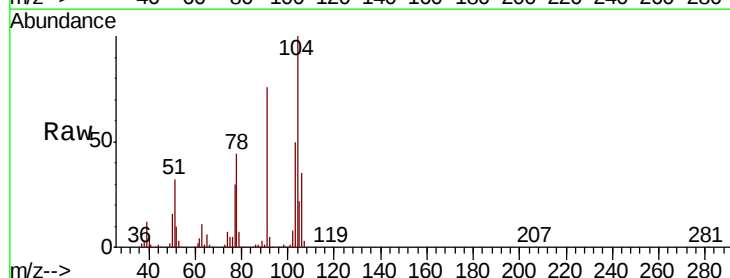
Instrument :
MSVOA_D
ClientSampleId :

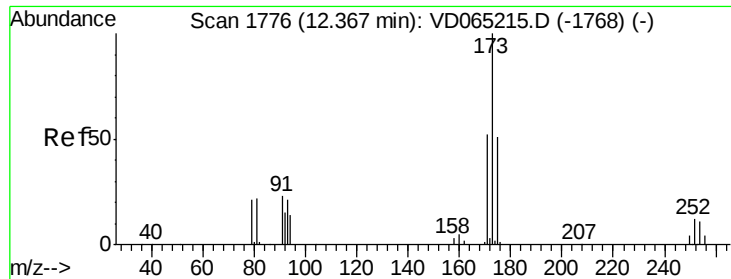
Tot Ion:106 Resp: 146697
Ion Ratio Lower Upper
106 100
91 210.6 104.7 313.9



#70
Styrene
Concen: 44.378 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion:104 Resp: 244819
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 54.3 43.4 65.2





#71

Bromoform

Concen: 70.439 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampled :

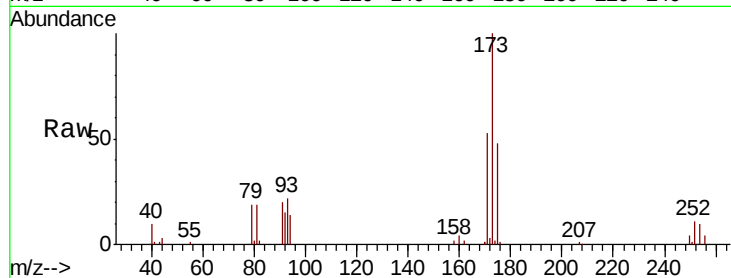
Tot Ion:173 Resp: 76345

Ion Ratio Lower Upper

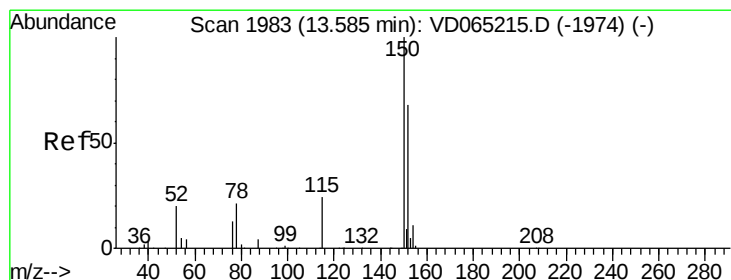
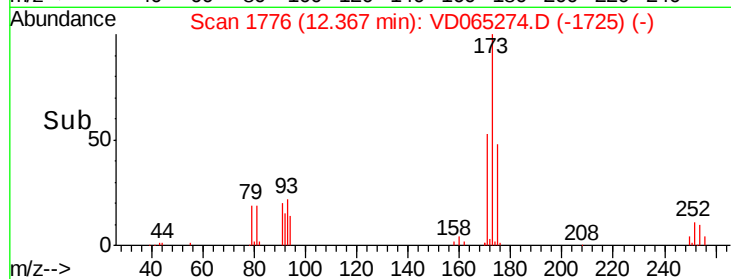
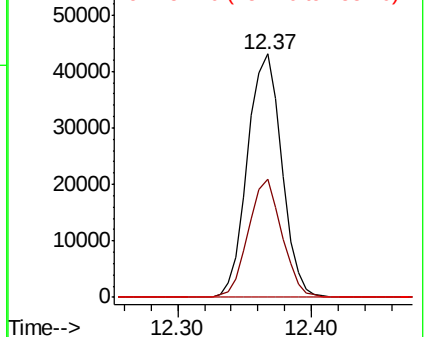
173 100

175 47.5 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: VD065274.D

Acq: 21 Feb 2020 14:38

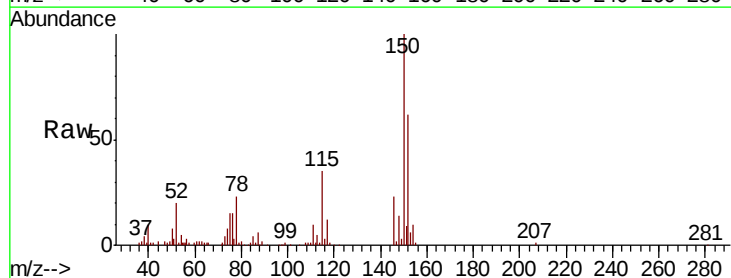
Tgt Ion:152 Resp: 86487

Ion Ratio Lower Upper

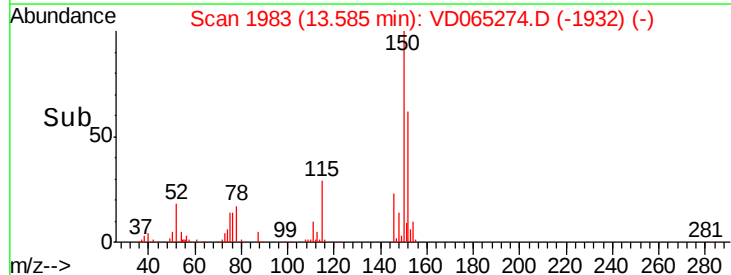
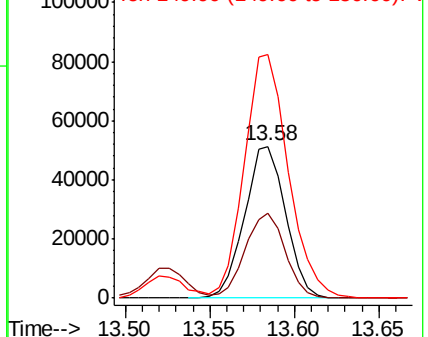
152 100

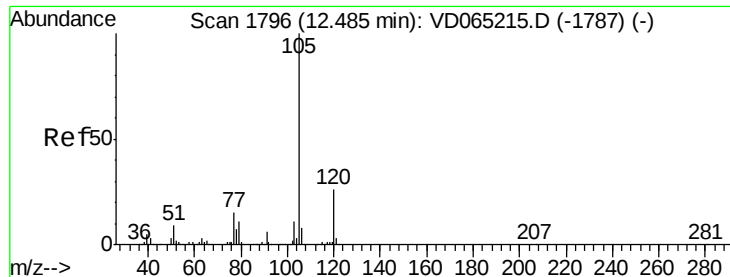
115 55.0 27.6 82.8

150 172.4 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: 57.204 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

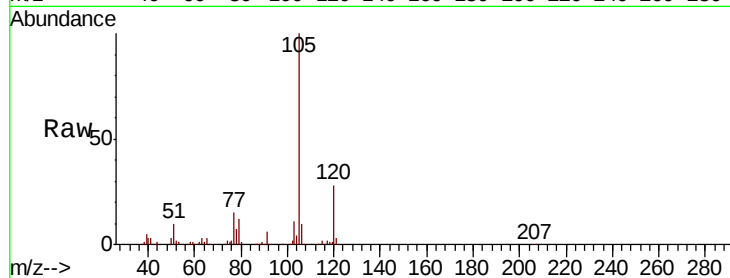
ClientSampleId :

Tot Ion:105 Resp: 327542

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

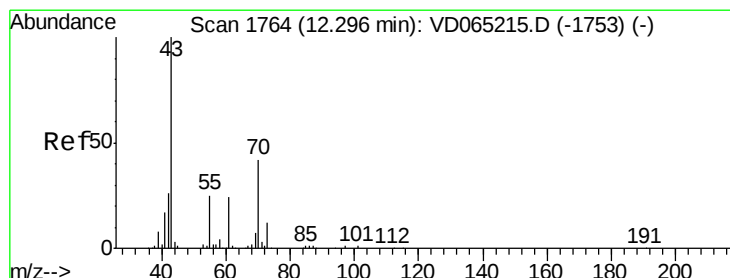
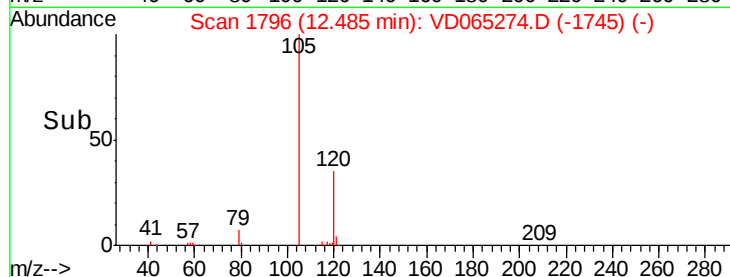
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 43.317 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Tgt Ion: 43 Resp: 55113

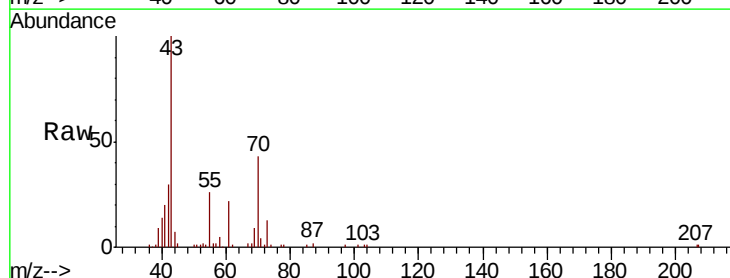
Ion Ratio Lower Upper

43 100

70 44.9 33.7 50.5

55 29.8 20.7 31.1

61 22.9 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

12.29

50000

40000

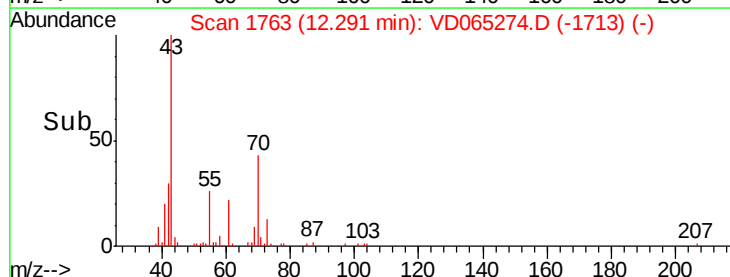
30000

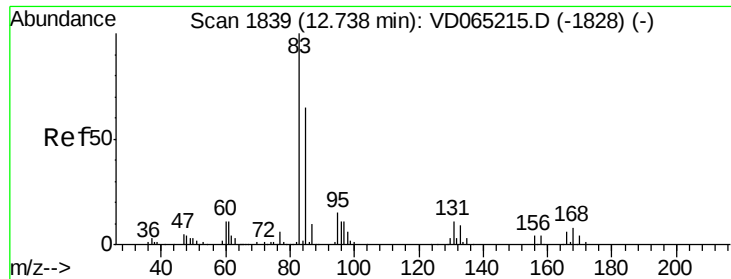
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 111.224 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

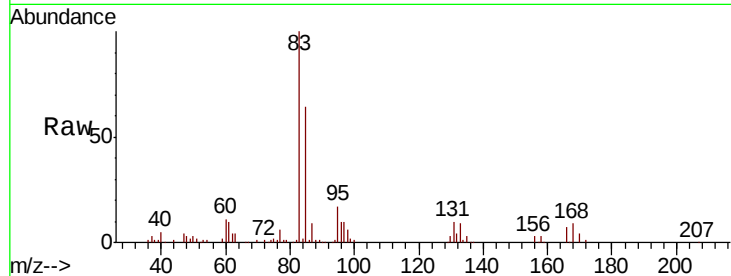
Tot Ion: 83 Resp: 114938

Ion Ratio Lower Upper

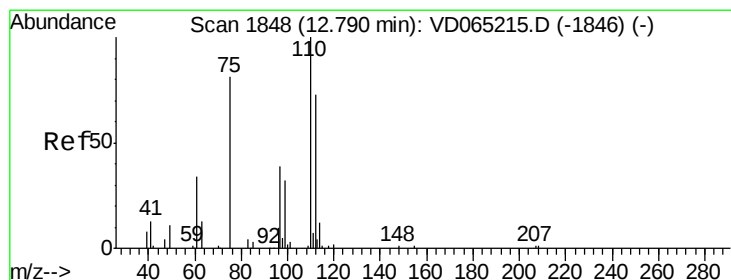
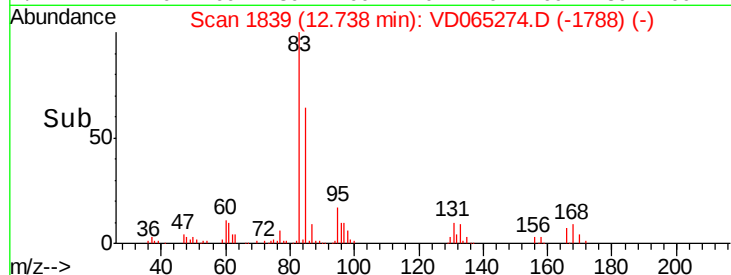
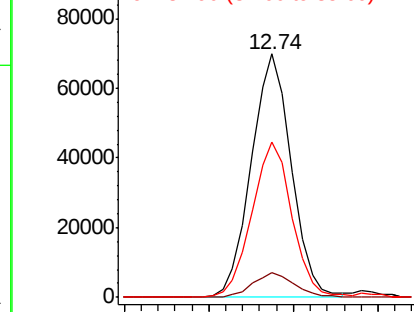
83 100

131 10.6 5.4 16.2

85 63.6 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: 193.887 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065274.D

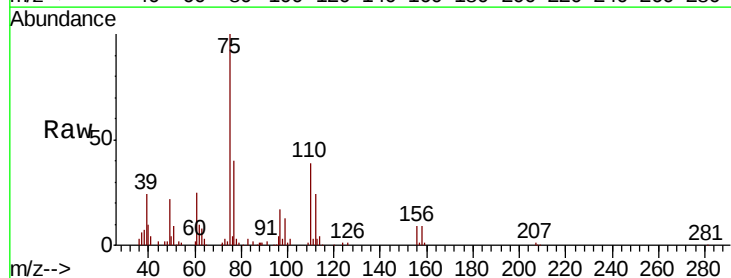
Acq: 21 Feb 2020 14:38

Tgt Ion: 75 Resp: 142673

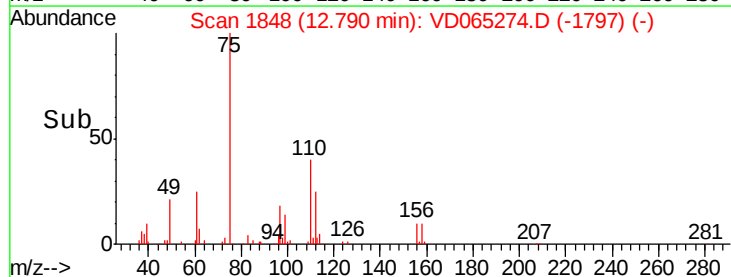
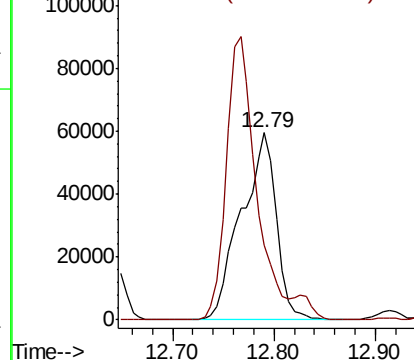
Ion Ratio Lower Upper

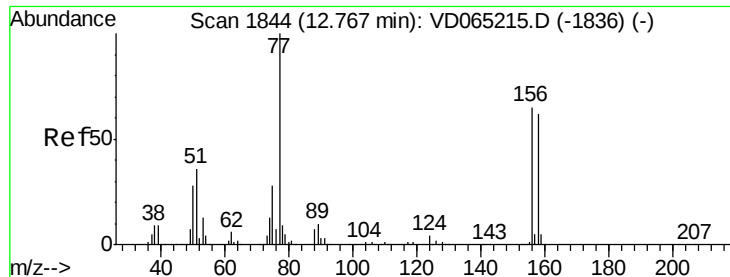
75 100

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: 66.177 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

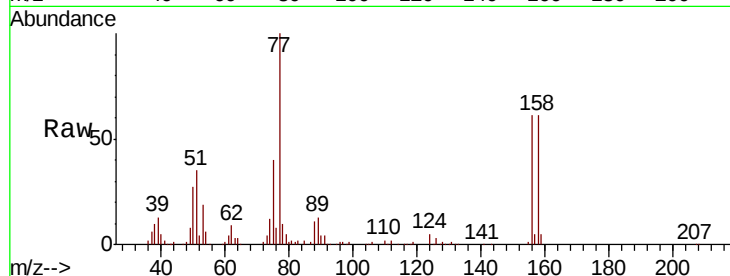
Tot Ion:156 Resp: 94093

Ion Ratio Lower Upper

156 100

77 193.6 86.6 259.7

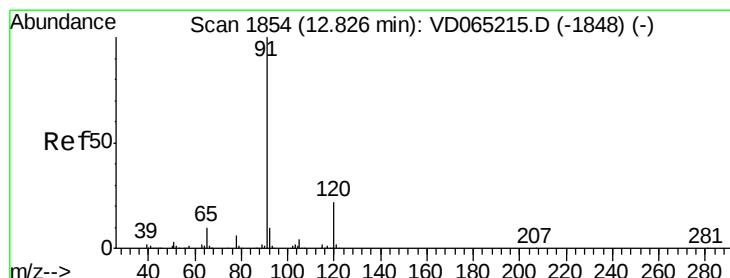
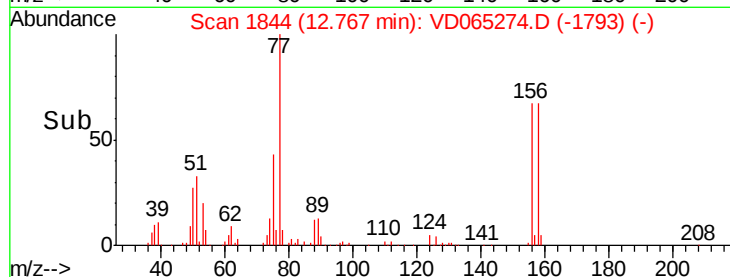
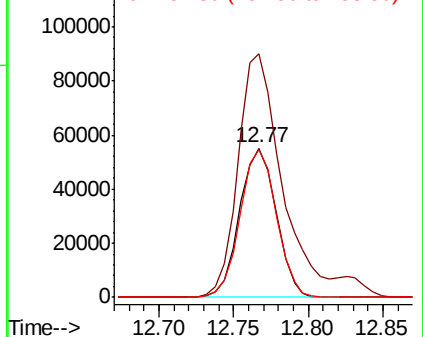
158 97.9 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.436 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065274.D

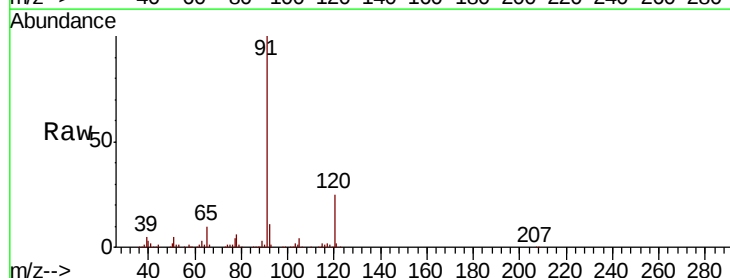
Acq: 21 Feb 2020 14:38

Tgt Ion: 91 Resp: 333285

Ion Ratio Lower Upper

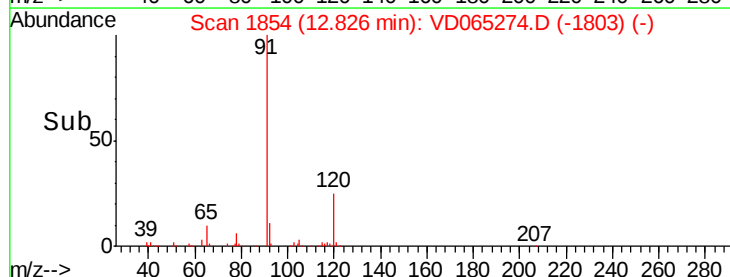
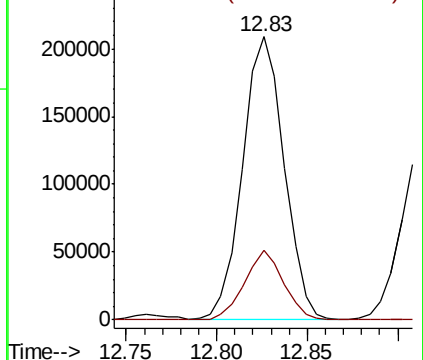
91 100

120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

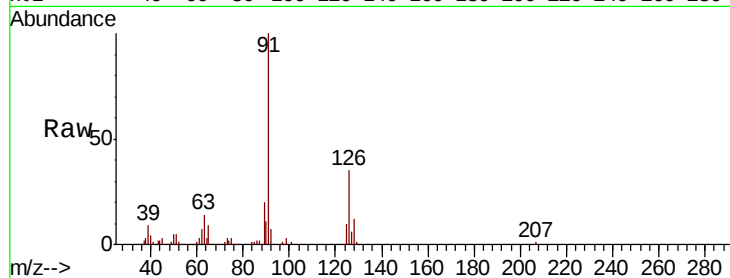




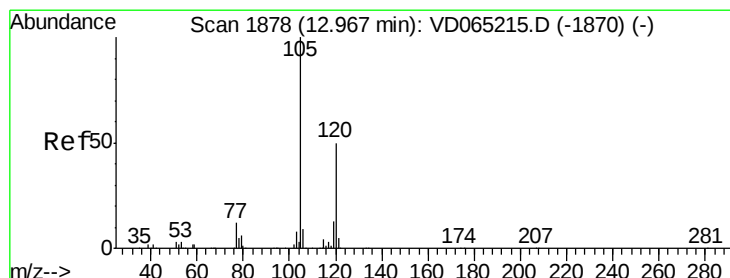
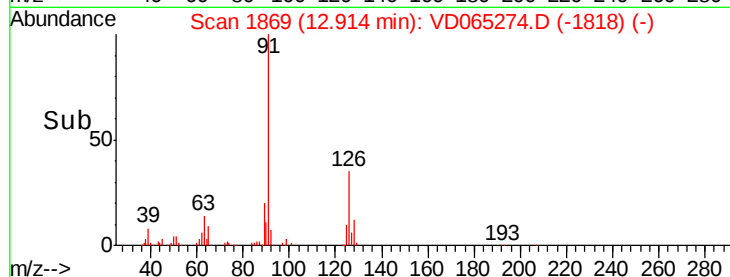
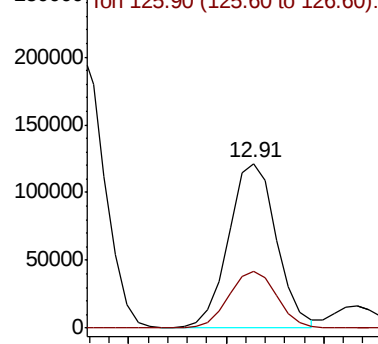
#79
 2-Chlorotoluene
 Concen: 53.618 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 206682
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.6

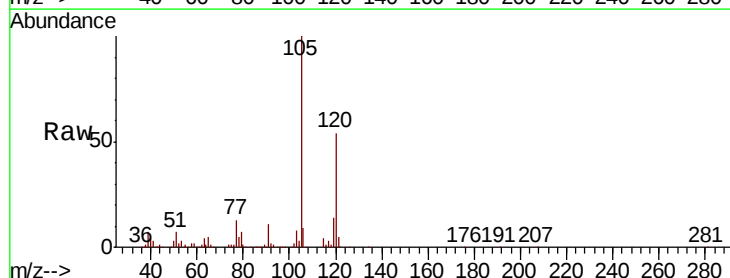


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

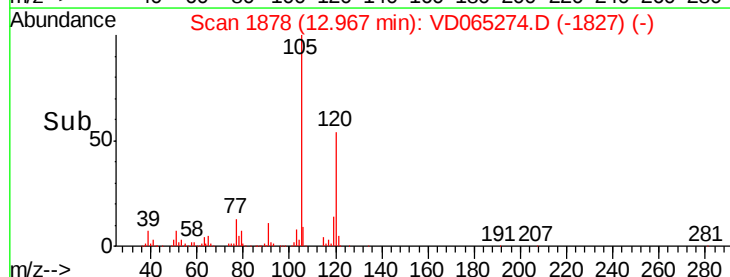
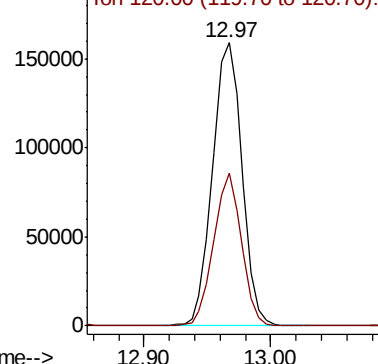


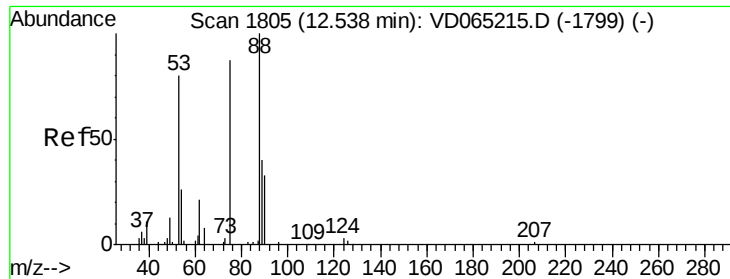
#80
 1,3,5-Trimethylbenzene
 Concen: 54.489 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion: 105 Resp: 256970
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 110.987 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

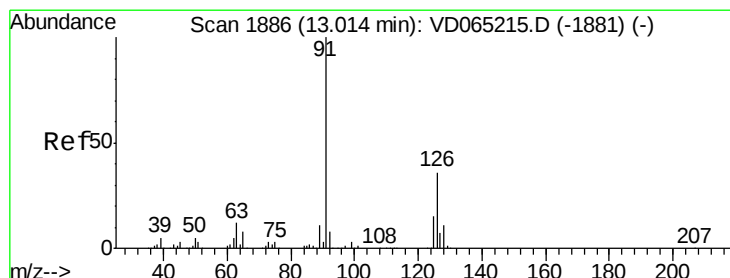
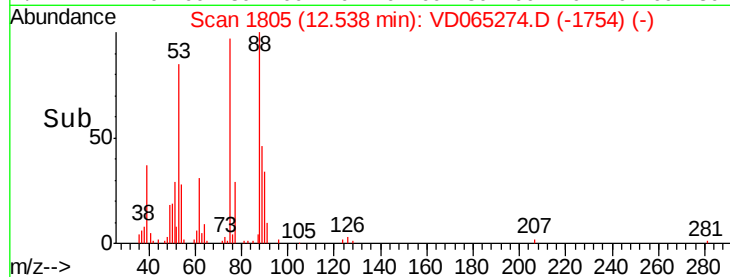
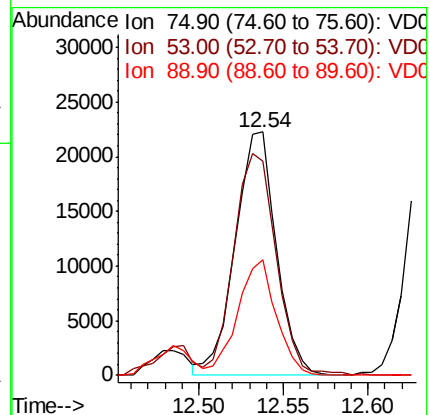
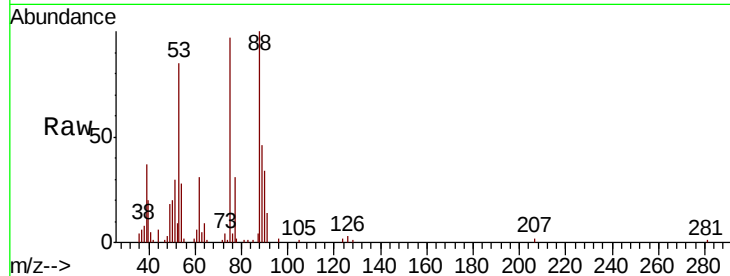
Tot Ion: 75 Resp: 37825

Ion Ratio Lower Upper

75 100

53 93.7 77.6 116.4

89 44.6 37.2 55.8



#82

4-Chlorotoluene

Concen: 51.542 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065274.D

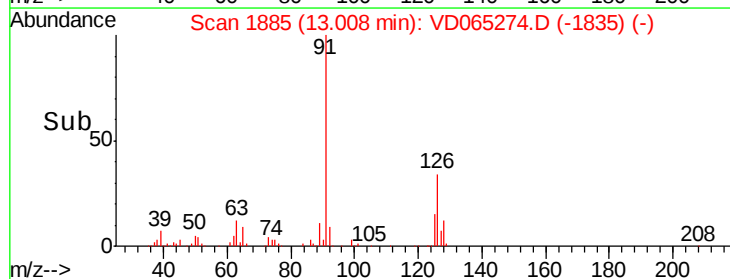
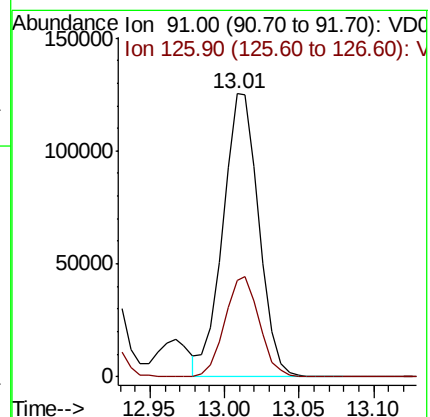
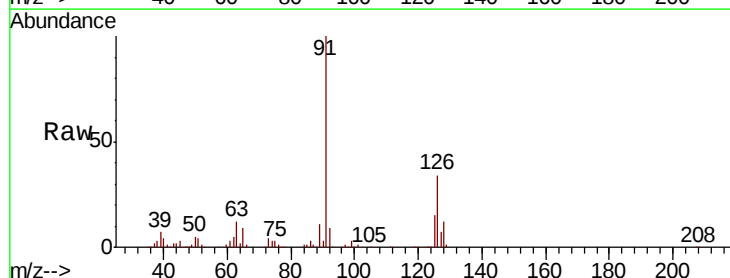
Acq: 21 Feb 2020 14:38

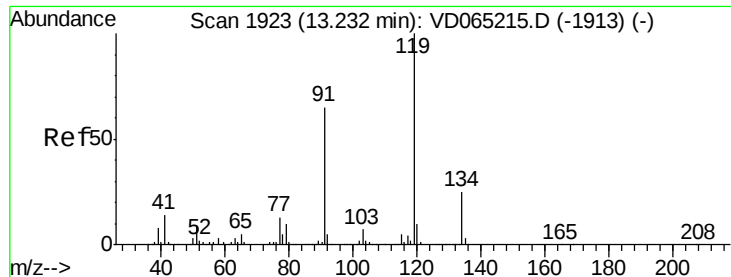
Tgt Ion: 91 Resp: 210924

Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.3

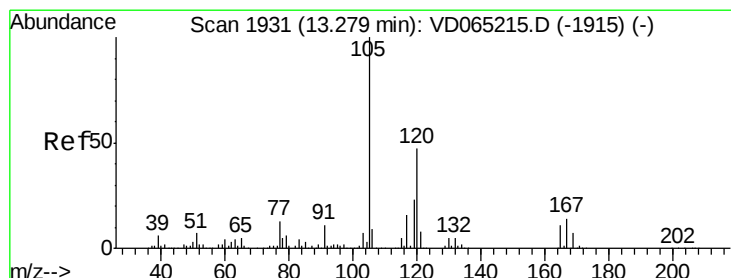
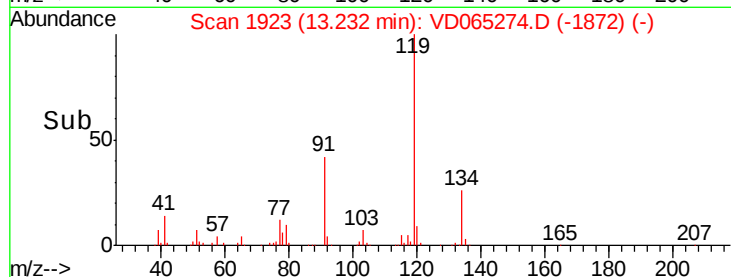
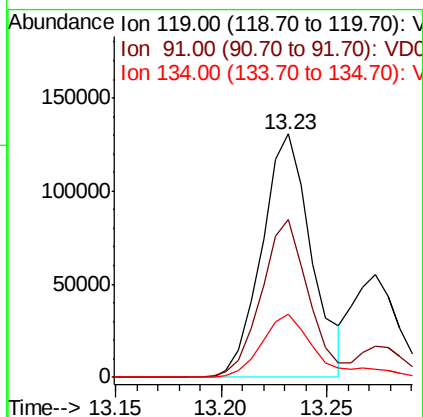
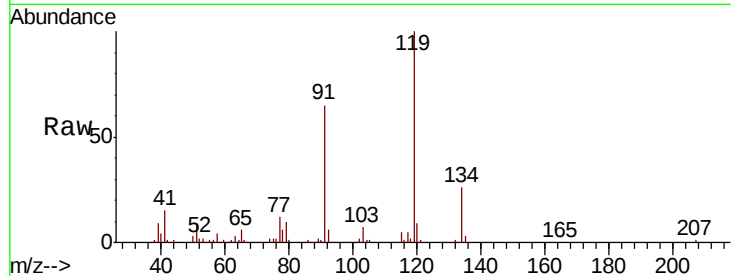




#83
tert-Butylbenzene
Concen: 54.069 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

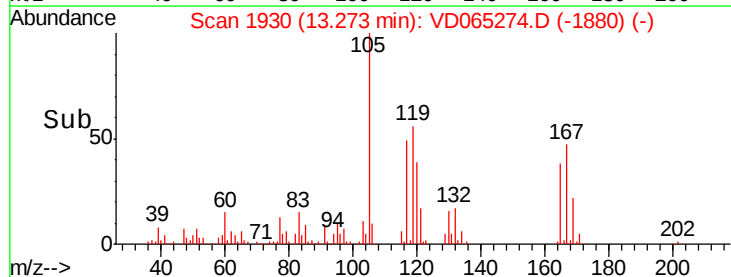
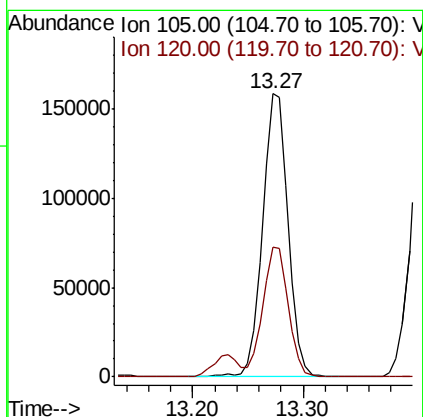
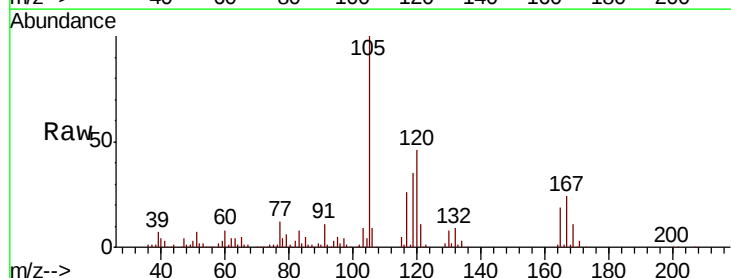
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 213712
Ion Ratio Lower Upper
119 100
91 61.3 31.9 95.5
134 28.8 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 54.210 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion:105 Resp: 255889
Ion Ratio Lower Upper
105 100
120 45.5 23.3 69.9





#85

sec-Butylbenzene

Concen: 40.155 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

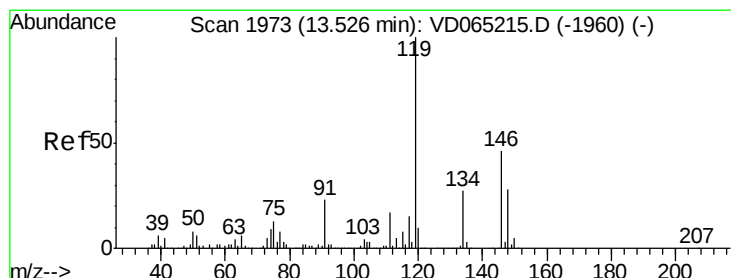
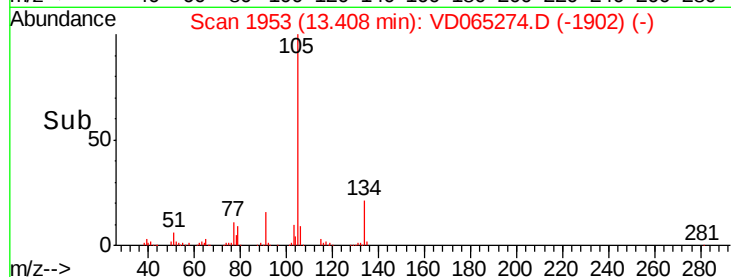
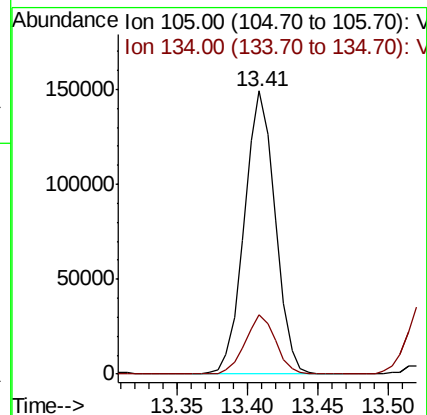
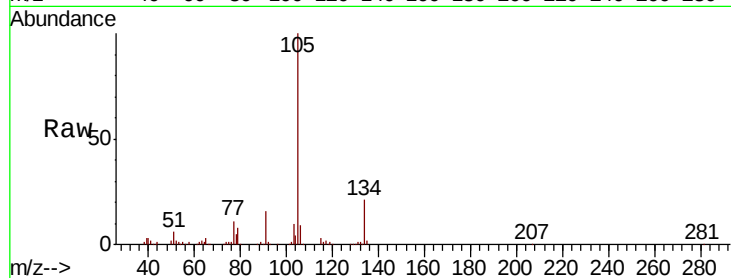
ClientSampleId :

Tot Ion:105 Resp: 228701

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9



#86

p-Isopropyltoluene

Concen: 40.473 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

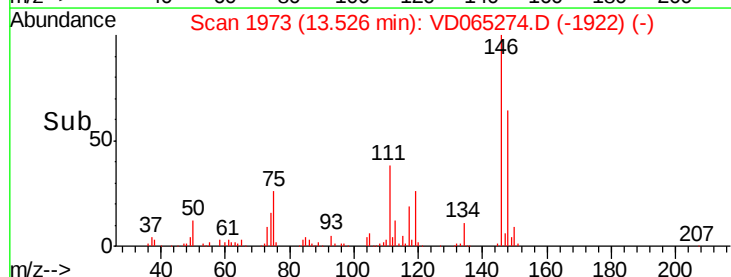
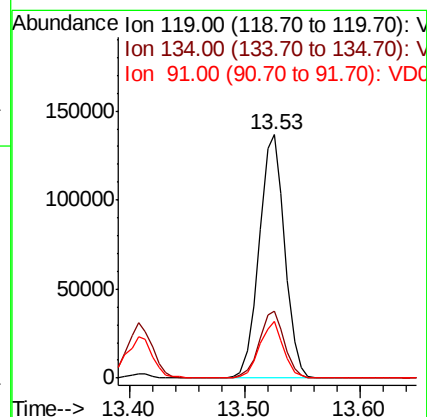
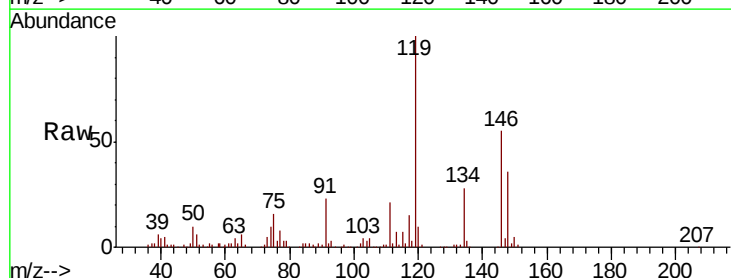
Tgt Ion:119 Resp: 210802

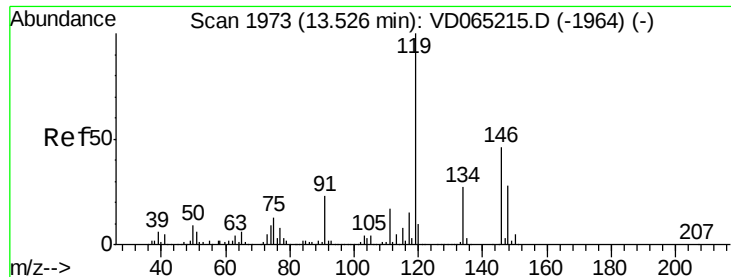
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 44.830 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

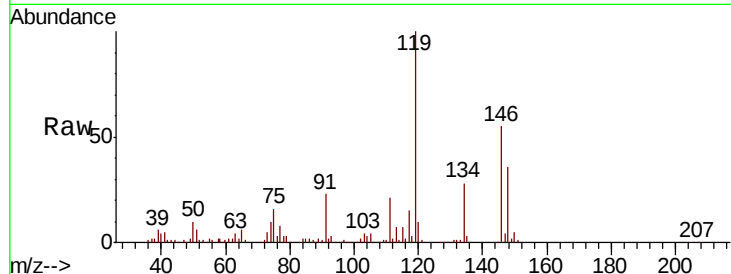
Tot Ion:146 Resp: 123225

Ion Ratio Lower Upper

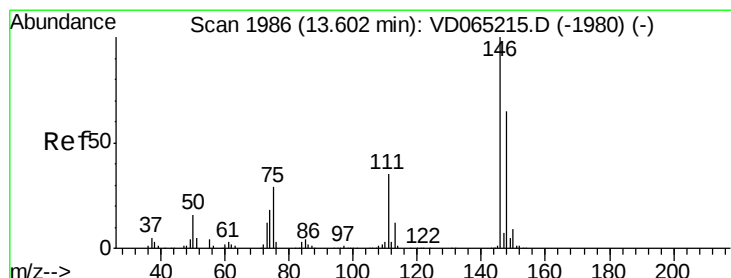
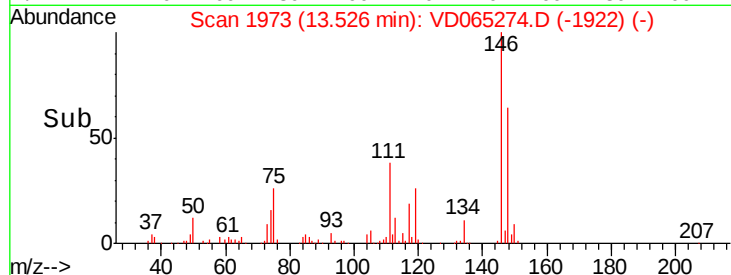
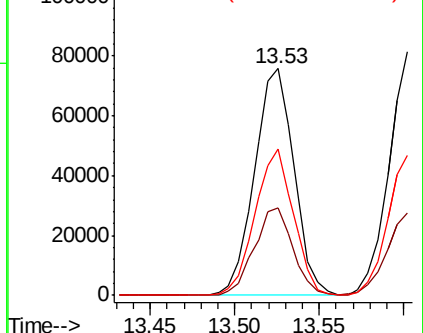
146 100

111 37.7 18.6 55.8

148 62.7 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.037 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065274.D

Acq: 21 Feb 2020 14:38

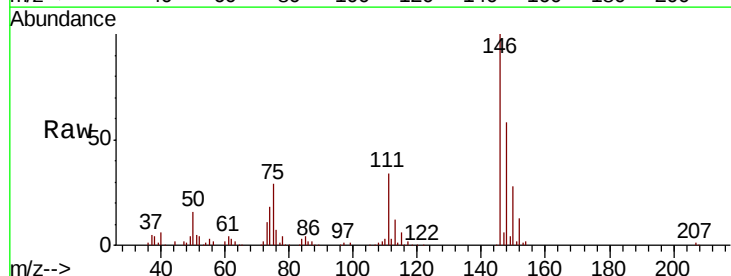
Tgt Ion:146 Resp: 124890

Ion Ratio Lower Upper

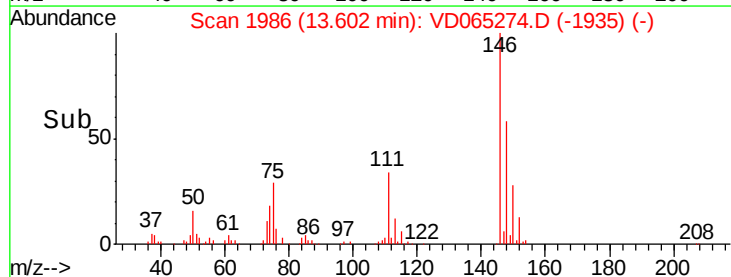
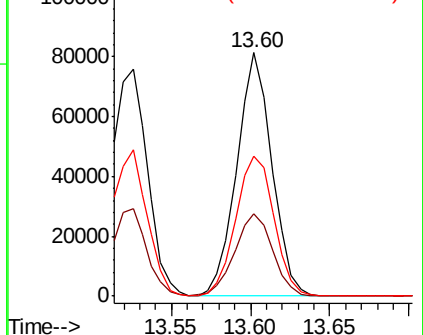
146 100

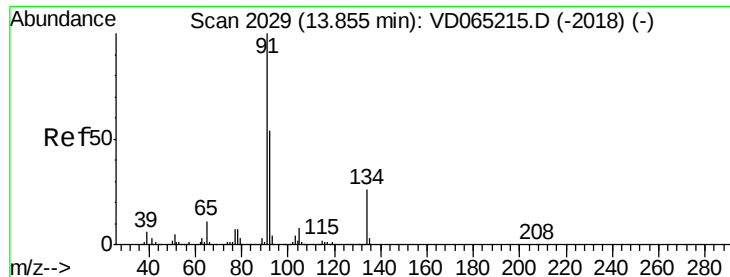
111 36.5 18.4 55.2

148 62.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

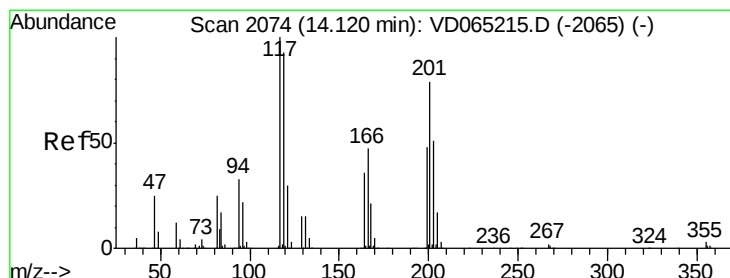
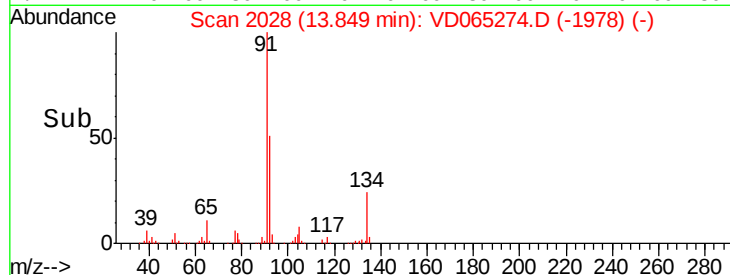
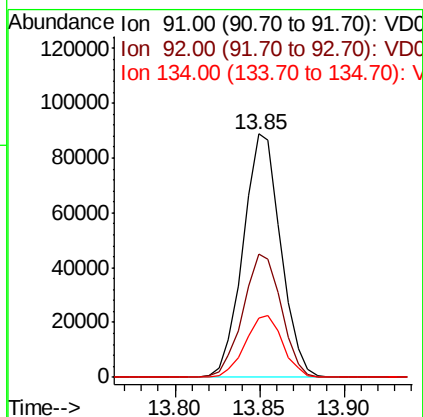
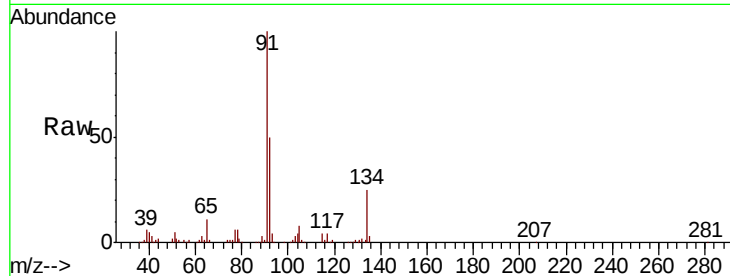




#89
n-Butylbenzene
Concen: 28.731 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

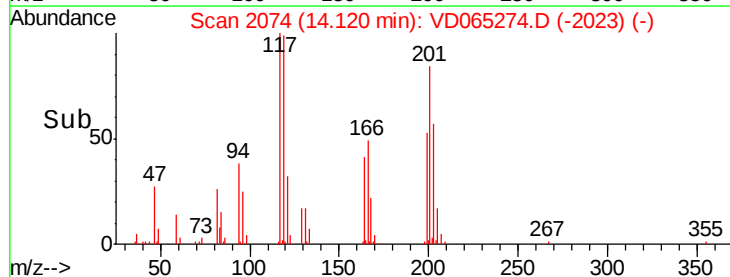
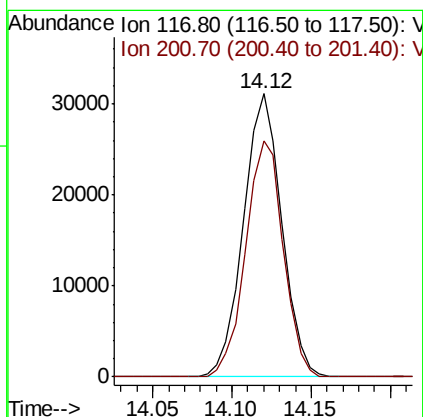
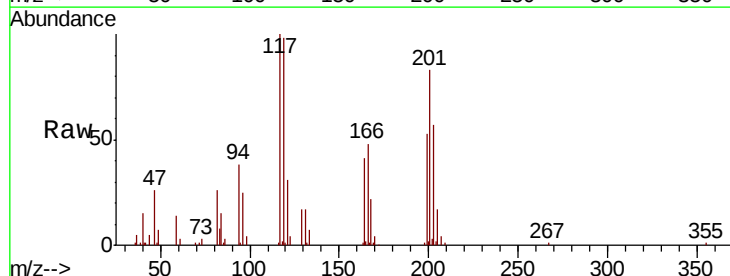
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 137897
Ion Ratio Lower Upper
91 100
92 51.4 27.0 80.8
134 25.3 13.5 40.4



#90
Hexachloroethane
Concen: 49.266 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion: 117 Resp: 52102
Ion Ratio Lower Upper
117 100
201 82.0 41.3 124.1

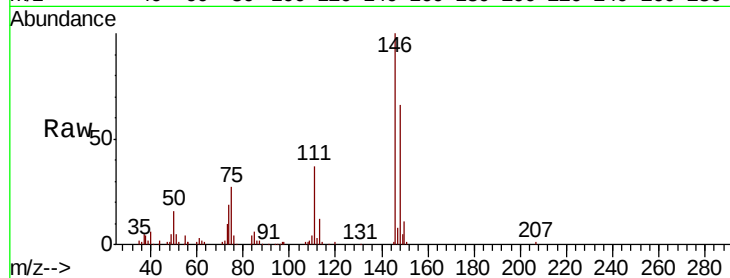




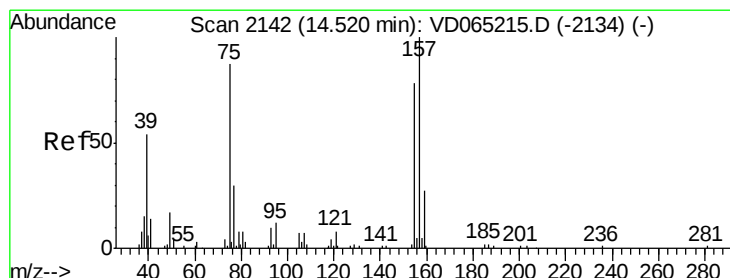
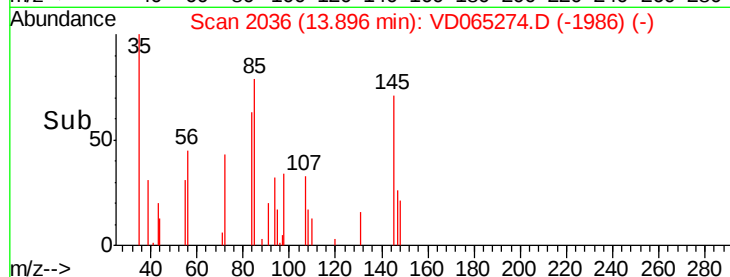
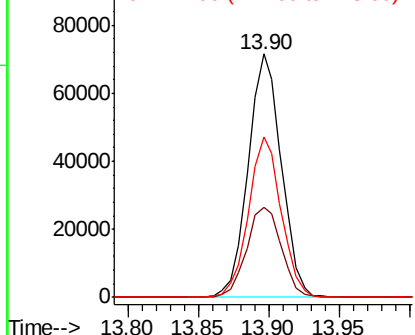
#91
 1,2-Dichlorobenzene
 Concen: 49.904 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.9	32.0	96.2

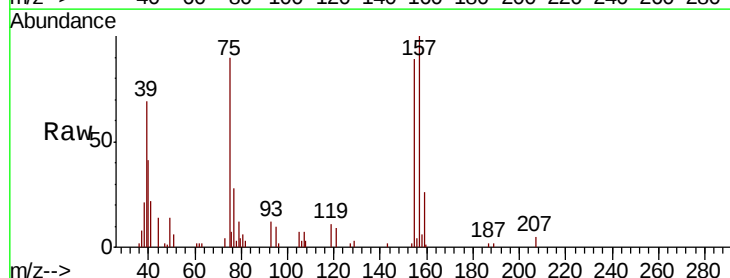


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

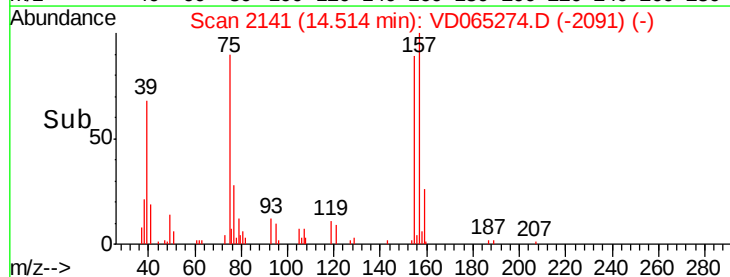
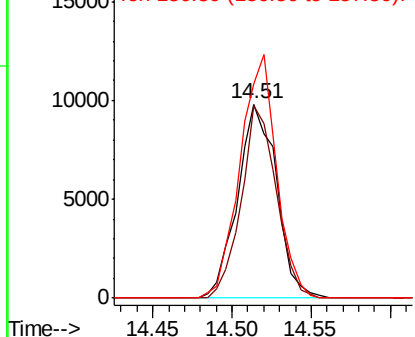


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 105.344 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.3	126.9
157	117.1	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

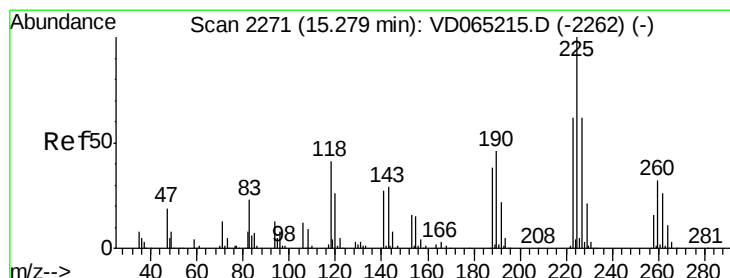
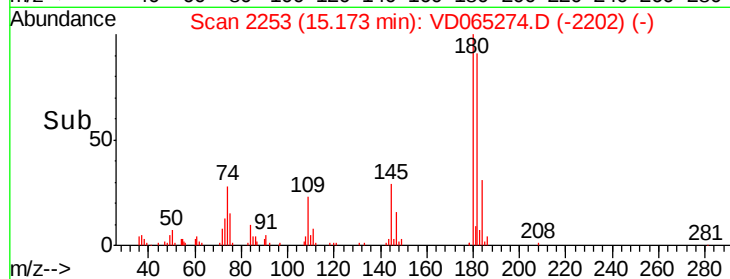
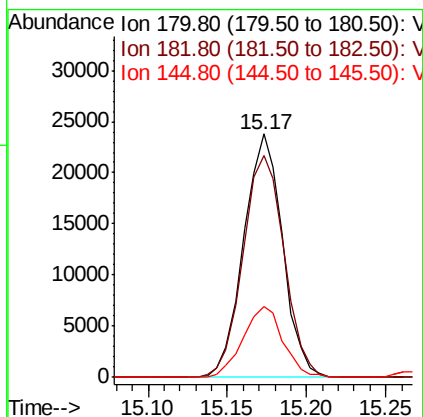
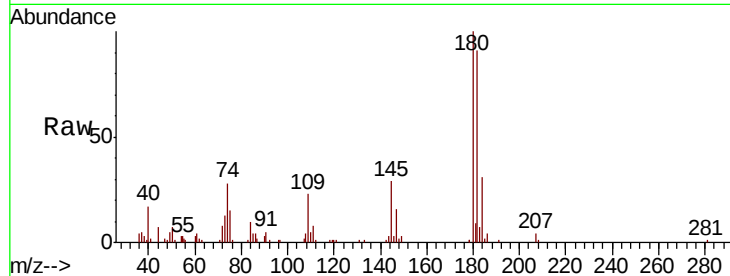




#93
 1,2,4-Trichlorobenzene
 Concen: 26.234 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

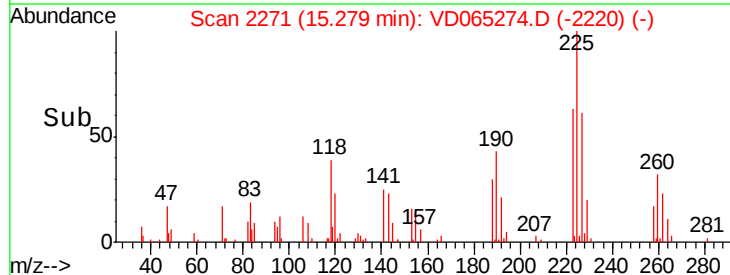
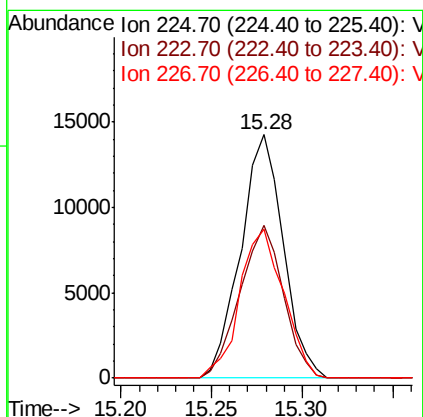
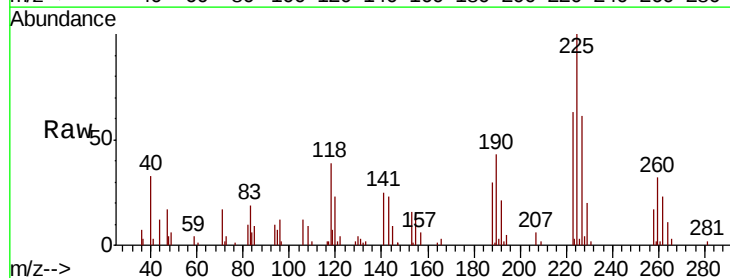
Instrument :
 MSVOA_D
 ClientSampleId :

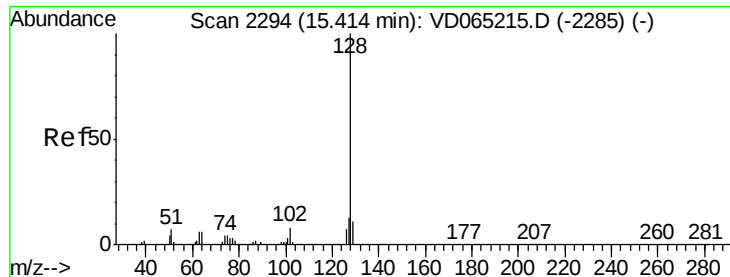
Tot Ion:180 Resp: 40500
 Ion Ratio Lower Upper
 180 100
 182 96.5 46.9 140.6
 145 29.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 23.554 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065274.D
 Acq: 21 Feb 2020 14:38

Tgt Ion:225 Resp: 23326
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.2
 227 63.2 31.7 95.1

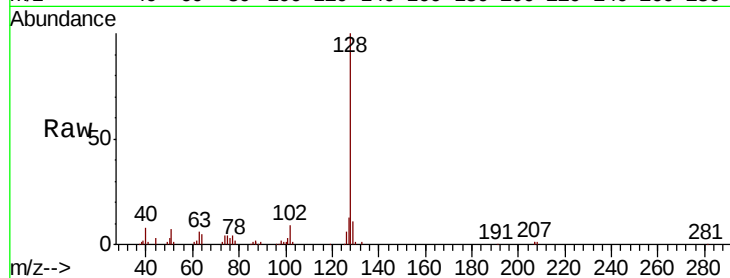




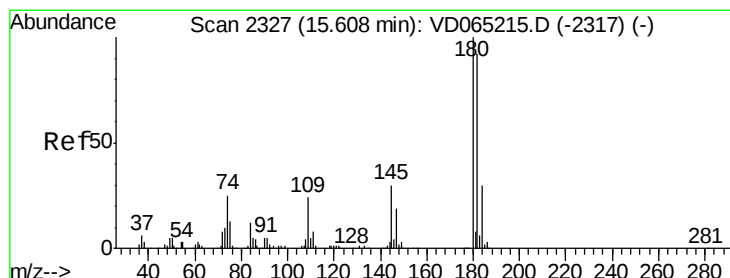
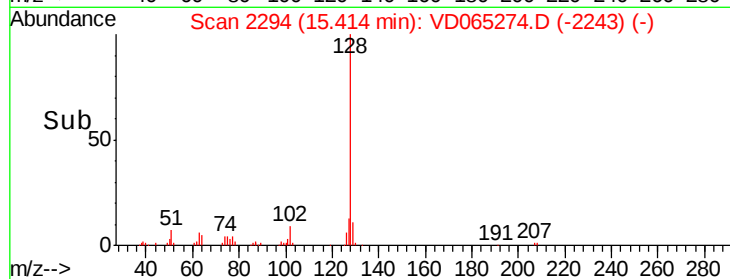
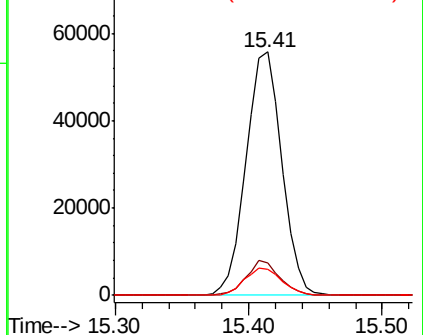
#95
Naphthalene
Concen: 40.980 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 102847
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.6 8.8 13.2

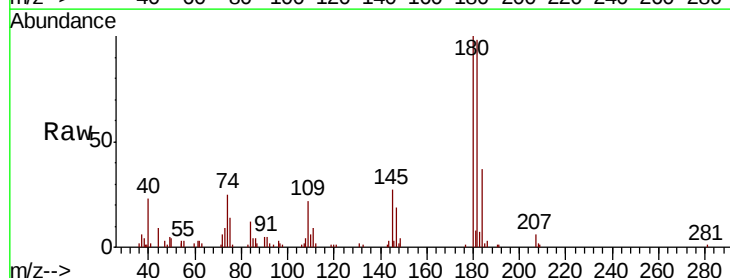


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 27.323 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065274.D
Acq: 21 Feb 2020 14:38

Tgt Ion:180 Resp: 36839
Ion Ratio Lower Upper
180 100
182 96.5 46.9 140.6
145 29.3 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

