

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065293.D
 Acq On : 24 Feb 2020 14:31
 Operator : VA/SY
 Sample : L1635-12MS
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:22:29 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	108842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	203389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	81504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	119017	121.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	243.10%	
35) Dibromofluoromethane	7.92	113	98732	80.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	161.48%	
50) Toluene-d8	10.34	98	267826	57.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.58%	
62) 4-Bromofluorobenzene	12.64	95	80918	54.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	35161	38.516	ug/l	97
3) Chloromethane	2.21	50	48702	41.914	ug/l	99
4) Vinyl Chloride	2.35	62	42808	36.230	ug/l #	88
5) Bromomethane	2.77	94	19245	26.939	ug/l	92
6) Chloroethane	2.93	64	38613	53.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	68510	40.500	ug/l	92
8) Diethyl Ether	3.71	74	68229	133.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	38845	36.363	ug/l	99
10) Methyl Iodide	4.29	142	21229	19.140	ug/l	98
11) Tert butyl alcohol	5.25	59	43075	736.194	ug/l	99
12) 1,1-Dichloroethene	4.06	96	40689	40.321	ug/l	98
13) Acrolein	3.69	56	53	Below Cal	#	42
14) Allyl chloride	4.71	41	59063	36.042	ug/l	89
15) Acrylonitrile	5.43	53	122212	540.596	ug/l	98
16) Acetone	4.17	43	115157	481.119	ug/l	95
17) Carbon Disulfide	4.40	76	27863	8.236	ug/l	97
18) Methyl Acetate	4.72	43	98242	182.496	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	289811	137.718	ug/l	100
20) Methylene Chloride	4.96	84	128621	127.889	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	63189	55.081	ug/l	95
22) Diisopropyl ether	6.37	45	320629	101.494	ug/l	98
23) Vinyl Acetate	6.37	43	172760	99.196	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	144367	73.676	ug/l	97
25) 2-Butanone	7.23	43	78424	258.968	ug/l	100
26) 2,2-Dichloropropane	7.21	77	37504	22.060	ug/l	88
27) cis-1,2-Dichloroethene	7.21	96	93198	76.696	ug/l	92
28) Bromochloromethane	7.55	49	87482	120.340	ug/l	100
29) Tetrahydrofuran	7.57	42	139852	788.178	ug/l	99
30) Chloroform	7.71	83	171615	86.932	ug/l	100
31) Cyclohexane	7.98	56	53231	27.649	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	93402	52.881	ug/l	98
36) 1,1-Dichloropropene	8.11	75	65898	33.772	ug/l	99
37) Ethyl Acetate	7.23	43	78424	96.142	ug/l #	1
38) Carbon Tetrachloride	8.10	117	59529	29.969	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	36930	16.099	ug/l	94
40) Benzene	8.36	78	313057	56.841	ug/l	98
41) Methacrylonitrile	7.57	41	109053	231.540	ug/l #	44
42) 1,2-Dichloroethane	8.43	62	142401	94.049	ug/l	99
43) Isopropyl Acetate	8.46	43	5713	3.851	ug/l #	59
44) Trichloroethene	9.11	130	68643	44.962	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102968	75.186	ug/l	99
46) Dibromomethane	9.48	93	76526	108.603	ug/l	99
47) Bromodichloromethane	9.67	83	144774	77.962	ug/l	97
48) Methyl methacrylate	9.46	41	54228	79.090	ug/l	99
49) 1,4-Dioxane	9.47	88	21176	2562.323	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	363187	482.056	ug/l	99
52) Toluene	10.41	92	183655	53.872	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	90569	52.618	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	86873	41.796	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	102556	103.406	ug/l	96
56) Ethyl methacrylate	10.67	69	1977	1.727	ug/l #	67
57) 1,3-Dichloropropane	10.95	76	166901	98.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	133135	368.894	ug/l	100
59) 2-Hexanone	10.99	43	96679	179.260	ug/l	99
60) Dibromochloromethane	11.14	129	110458	87.015	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87996	93.709	ug/l	97
64) Tetrachloroethene	10.88	164	55739	38.640	ug/l	95
65) Chlorobenzene	11.67	112	200131	49.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	100109	65.727	ug/l	99
67) Ethyl Benzene	11.75	91	272539	38.126	ug/l	99
68) m/p-Xylenes	11.86	106	218968	80.065	ug/l	97
69) o-Xylene	12.18	106	111390	45.972	ug/l	98
70) Styrene	12.20	104	135212	31.431	ug/l	97
71) Bromoform	12.37	173	65817	77.873	ug/l #	96
73) Isopropylbenzene	12.48	105	198597	36.805	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	110071	113.027	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	105978	152.825	ug/l #	100
77) Bromobenzene	12.77	156	88436	66.002	ug/l	92
78) n-propylbenzene	12.83	91	209331	32.282	ug/l	99
79) 2-Chlorotoluene	12.91	91	161420	44.436	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	176383	39.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10122	31.516	ug/l	95
82) 4-Chlorotoluene	13.01	91	175071	45.396	ug/l	100
83) tert-Butylbenzene	13.23	119	124663	33.468	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	191529	43.056	ug/l	99
85) sec-Butylbenzene	13.41	105	127739	23.799	ug/l	99
86) p-Isopropyltoluene	13.53	119	74066	15.090	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	114851	44.338	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	120754	47.233	ug/l	100
89) n-Butylbenzene	13.85	91	65724	14.531	ug/l	96
90) Hexachloroethane	14.12	117	28289	28.385	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	118711	53.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16378	109.132	ug/l	97
93) 1,2,4-Trichlorobenzene	15.17	180	45056	30.970	ug/l	96

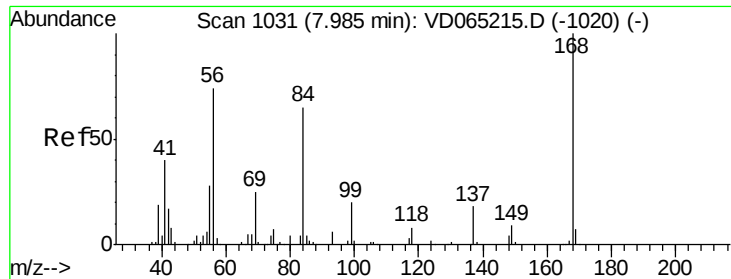
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.28	225	10482	11.232	ug/l	96
95) Naphthalene	15.41	128	105411	44.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	40472	31.852	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

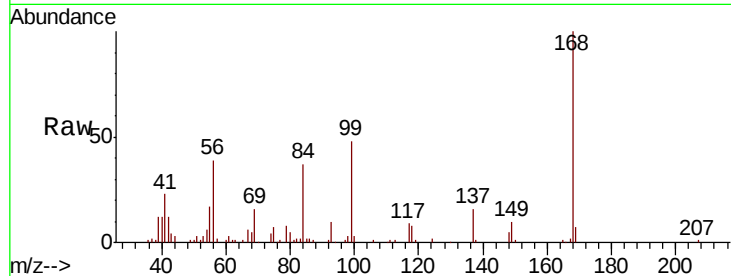
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 108842

Ion Ratio Lower Upper

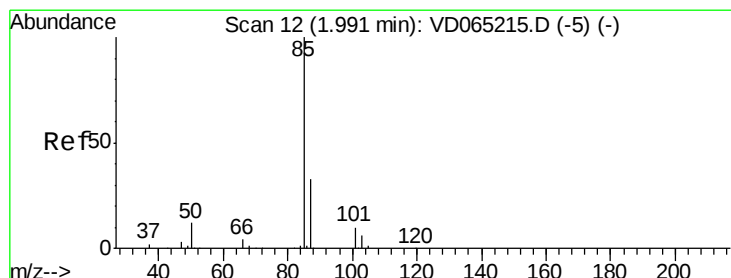
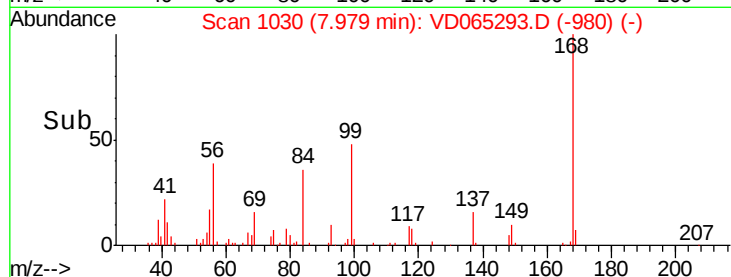
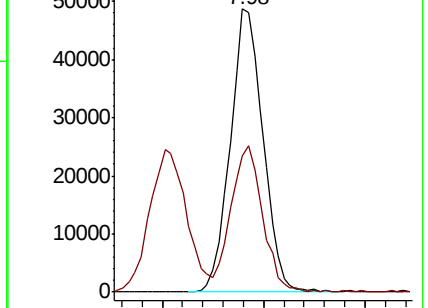
168 100

99 47.6 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: 38.516 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065293.D

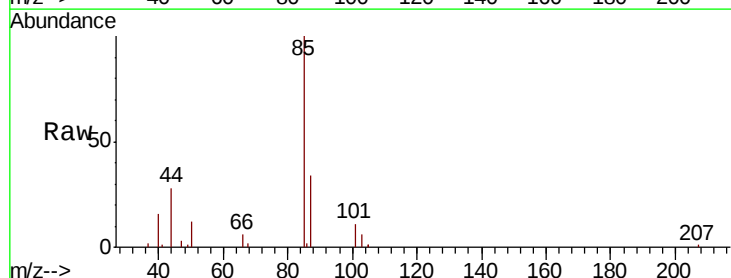
Acq: 24 Feb 2020 14:31

Tgt Ion: 85 Resp: 35161

Ion Ratio Lower Upper

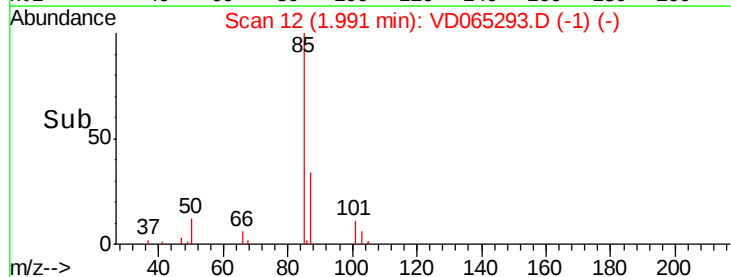
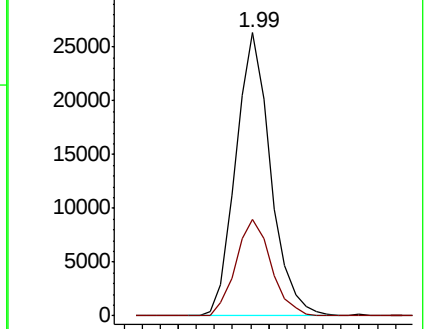
85 100

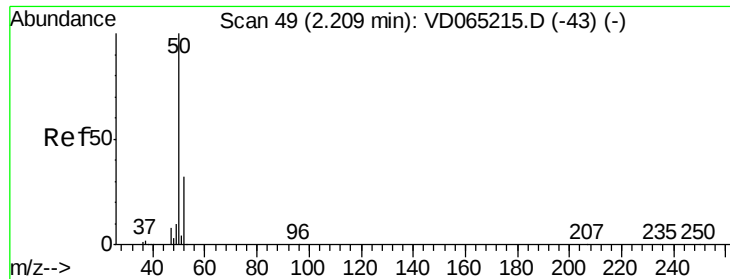
87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.914 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

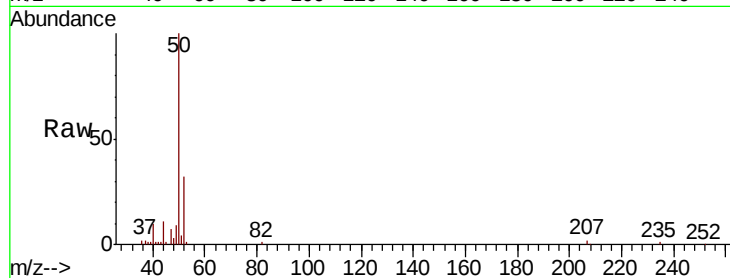
ClientSampleId :

Tot Ion: 50 Resp: 48702

Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

40000

30000

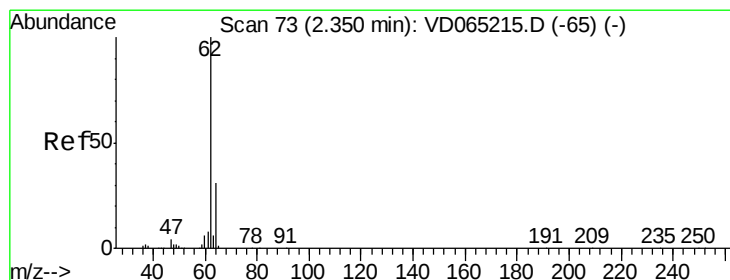
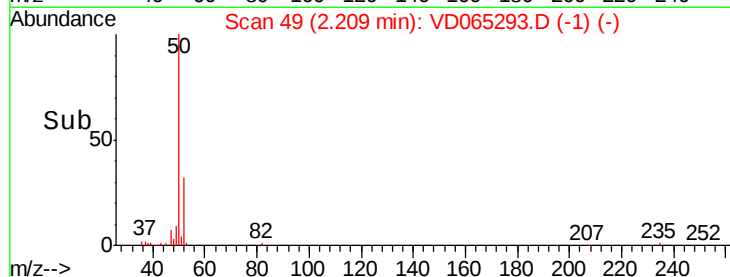
20000

10000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 36.230 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065293.D

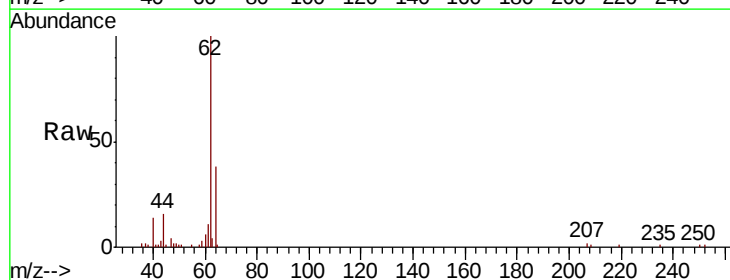
Acq: 24 Feb 2020 14:31

Tgt Ion: 62 Resp: 42808

Ion Ratio Lower Upper

62 100

64 38.1 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

30000

25000

20000

15000

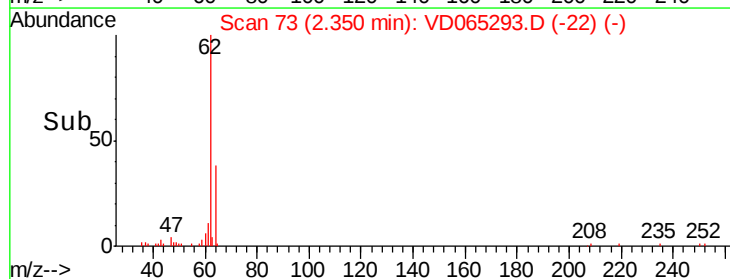
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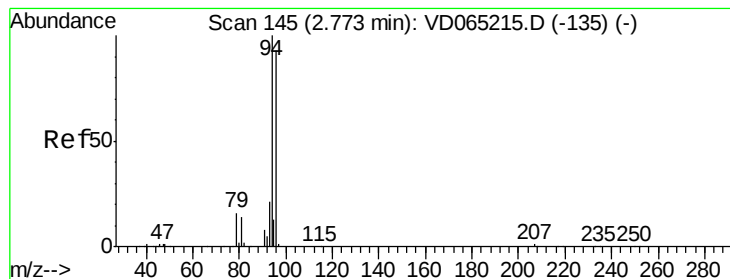
5000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 26.939 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

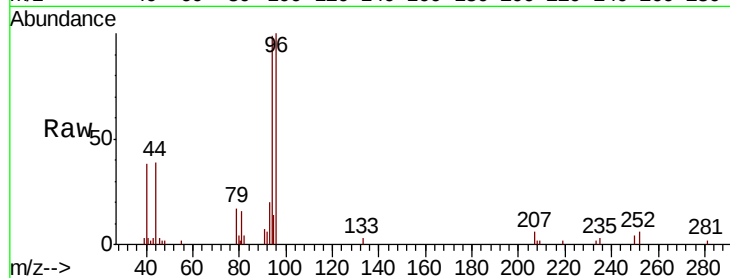
ClientSampleId :

Tot Ion: 94 Resp: 19245

Ion Ratio Lower Upper

94 100

96 100.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

10000

8000

6000

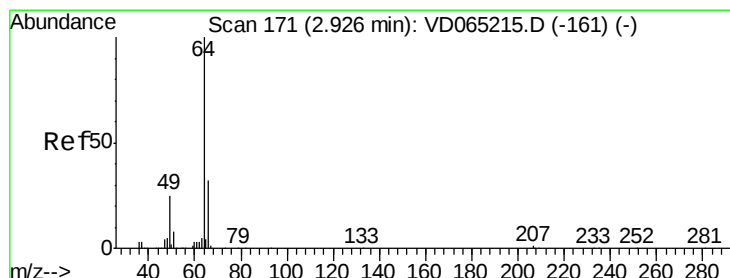
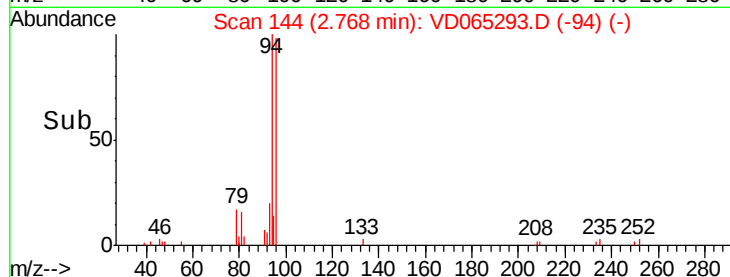
4000

2000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 53.538 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065293.D

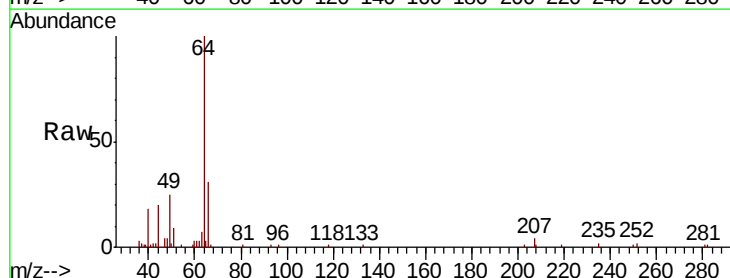
Acq: 24 Feb 2020 14:31

Tgt Ion: 64 Resp: 38613

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

20000

15000

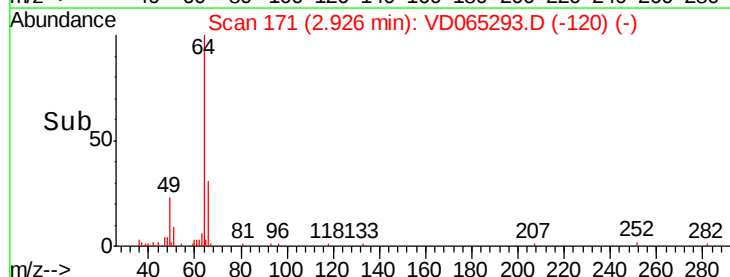
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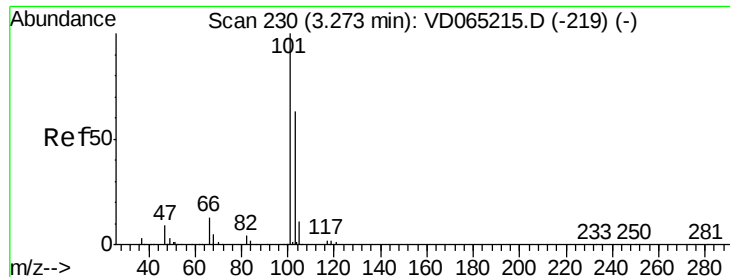
5000

0

Time-->

2.85 2.90 2.95 3.00



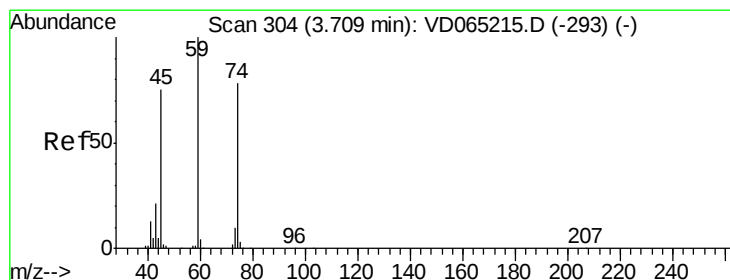
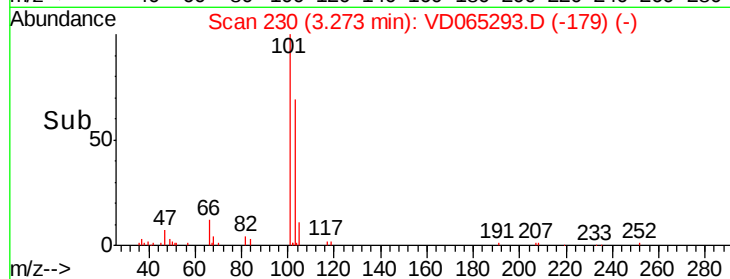
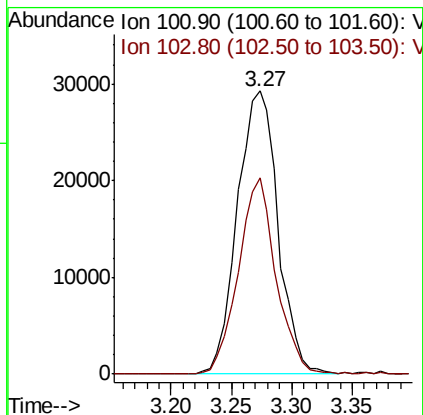
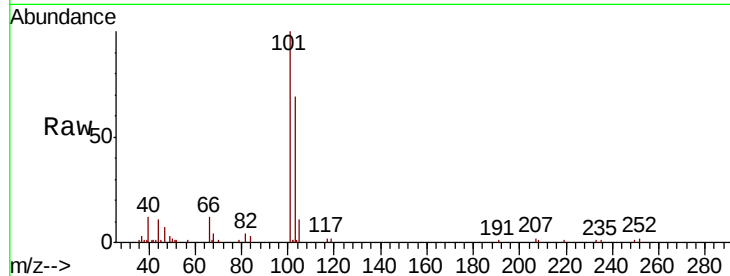


#7

Trichlorofluoromethane
 Concen: 40.500 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :

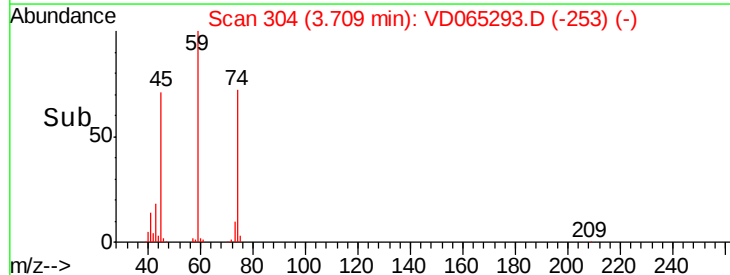
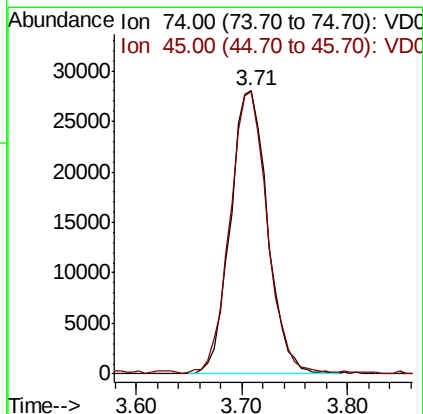
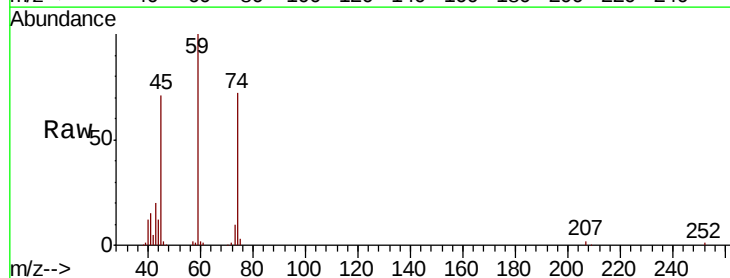
Tot Ion:101 Resp: 68510
 Ion Ratio Lower Upper
 101 100
 103 69.3 50.7 76.1

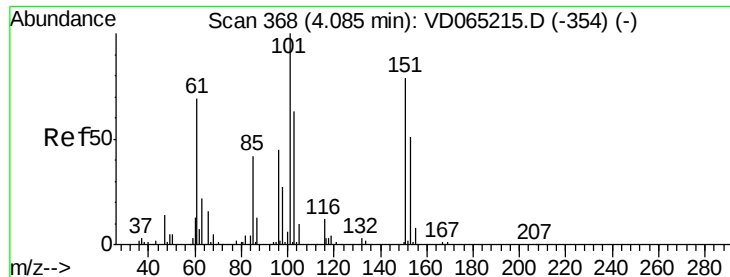


#8

Diethyl Ether
 Concen: 133.620 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 74 Resp: 68229
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.363 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

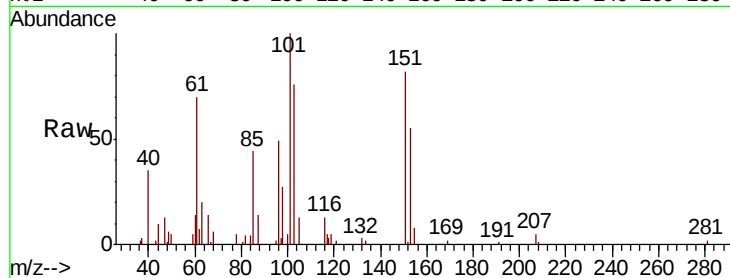
Tot Ion:101 Resp: 38845

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

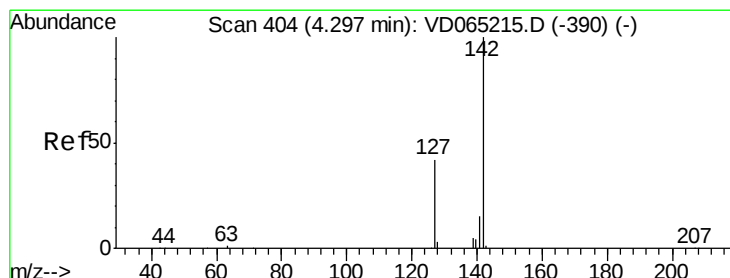
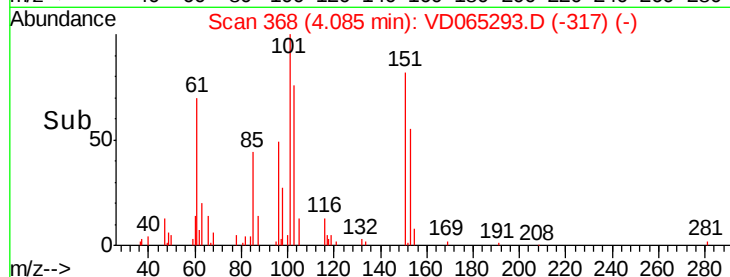
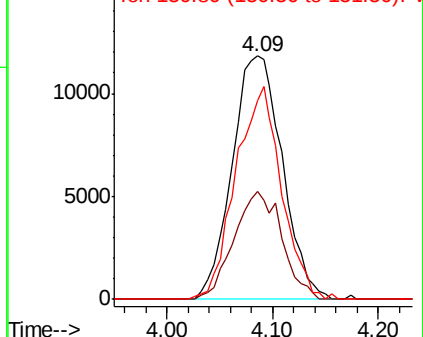
151 80.2 63.5 95.3



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: 19.140 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

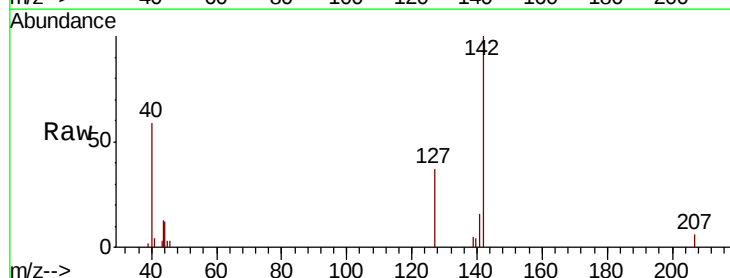
Tgt Ion:142 Resp: 21229

Ion Ratio Lower Upper

142 100

127 40.9 33.8 50.8

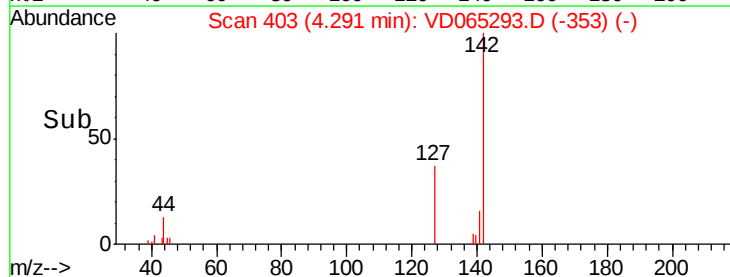
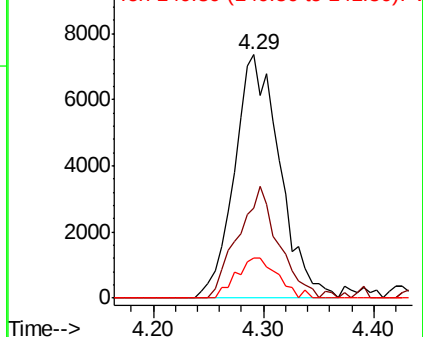
141 15.1 11.7 17.5

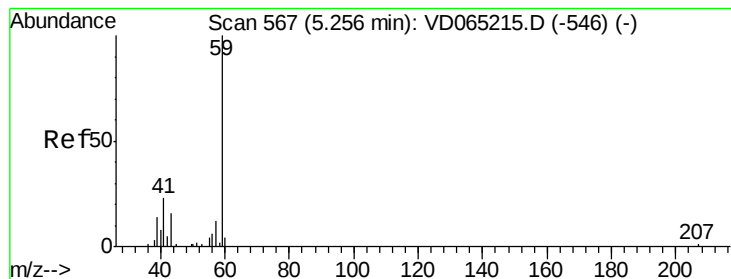


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



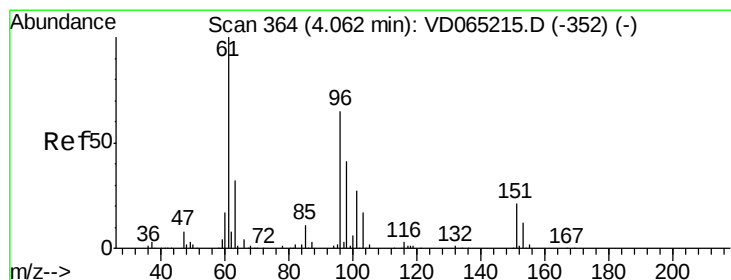
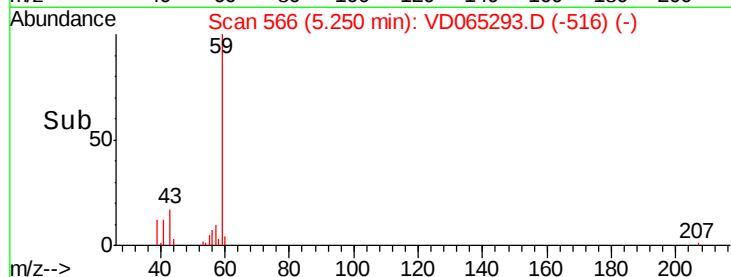
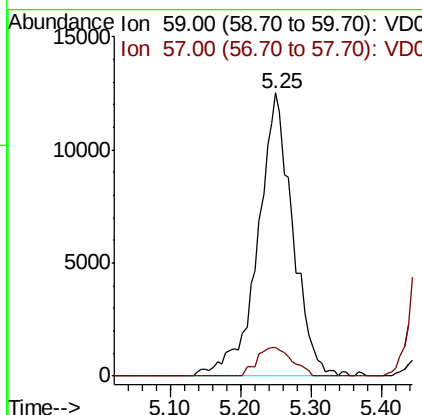
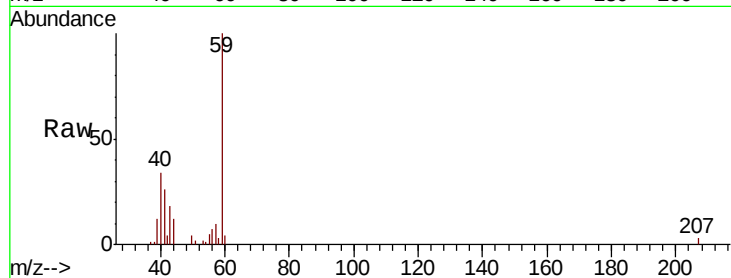


#11

Tert butyl alcohol
Concen: 736.194 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampled :

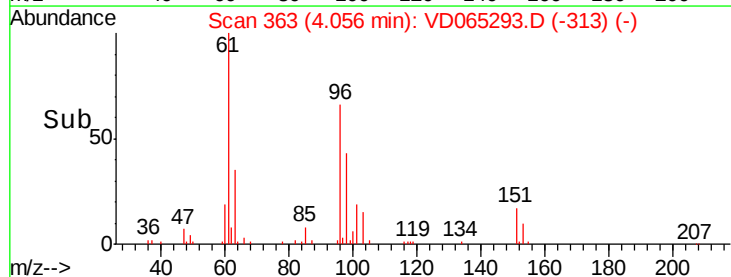
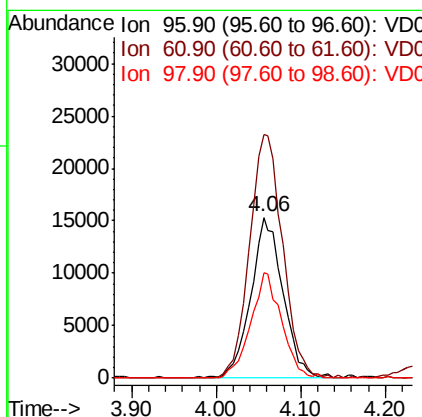
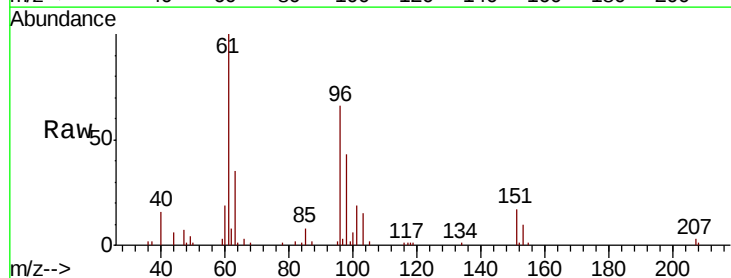
Tot Ion: 59 Resp: 43075
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6



#12

1,1-Dichloroethene
Concen: 40.321 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 96 Resp: 40689
Ion Ratio Lower Upper
96 100
61 151.8 123.3 184.9
98 65.7 51.0 76.4





#13

Acrolein

Concen: Below Cal

RT: 3.69 min Scan# 301

Delta R.T. -0.23 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

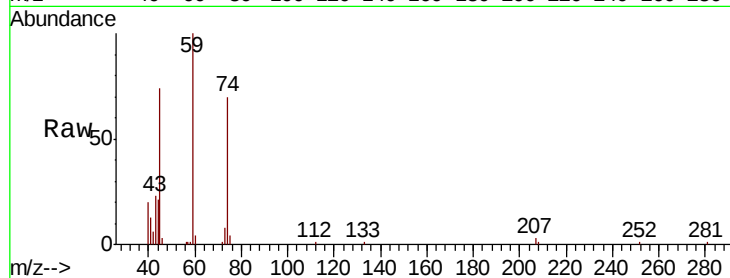
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 53

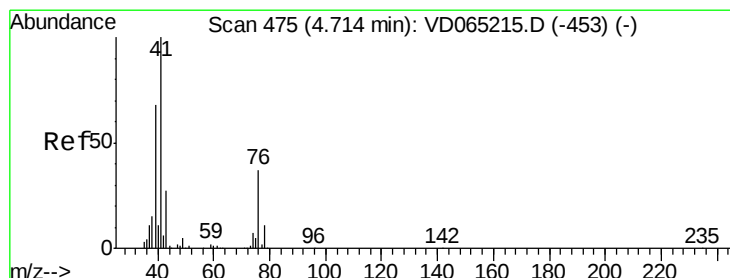
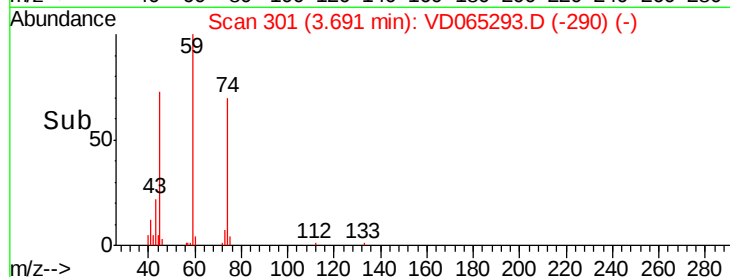
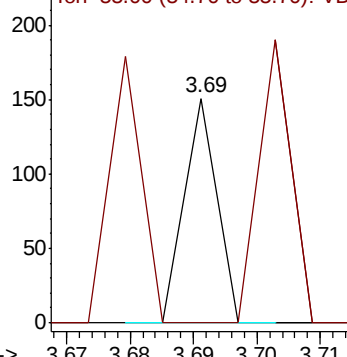
Ion Ratio Lower Upper

56 100

55 118.9 56.6 85.0#



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



#14

Allyl chloride

Concen: 36.042 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

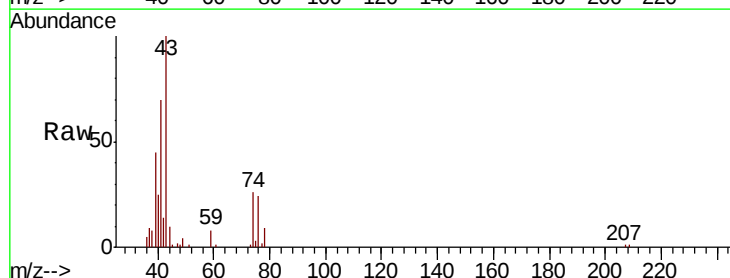
Tgt Ion: 41 Resp: 59063

Ion Ratio Lower Upper

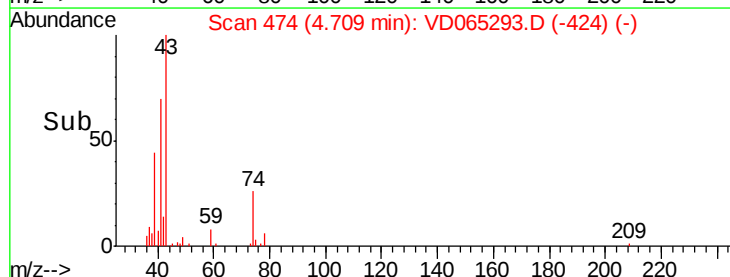
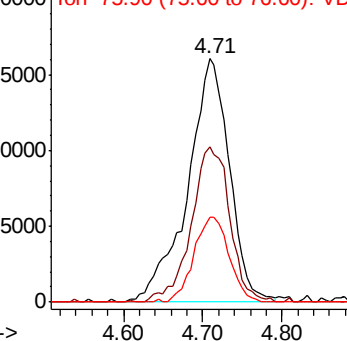
41 100

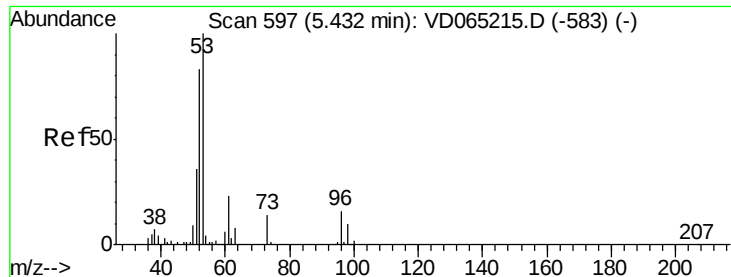
39 58.6 53.8 80.6

76 29.1 28.7 43.1



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





#15

Acrylonitrile

Concen: 540.596 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

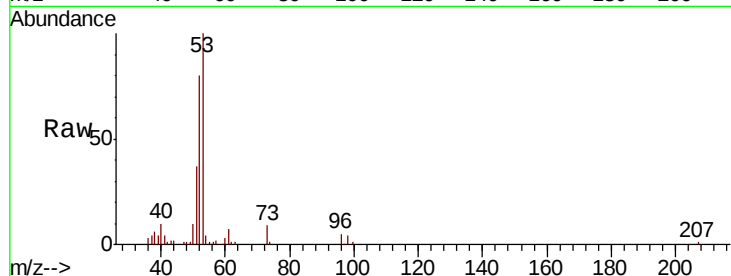
Tot Ion: 53 Resp: 122212

Ion Ratio Lower Upper

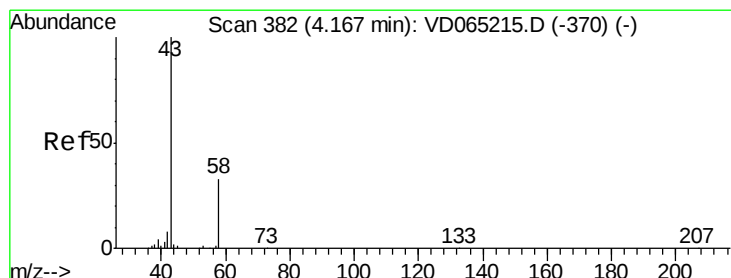
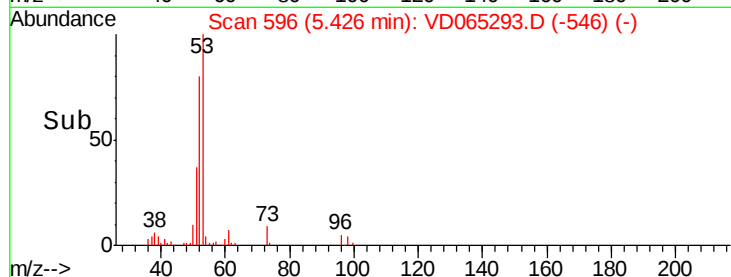
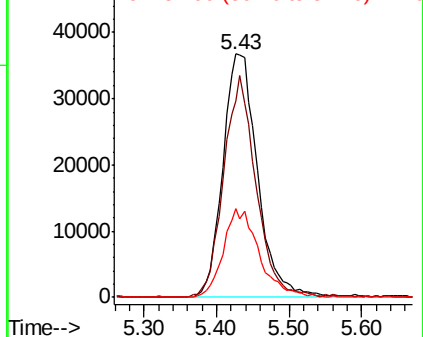
53 100

52 84.5 65.4 98.2

51 37.6 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: 481.119 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065293.D

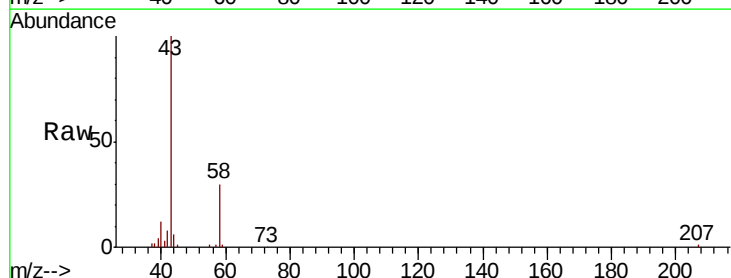
Acq: 24 Feb 2020 14:31

Tgt Ion: 43 Resp: 115157

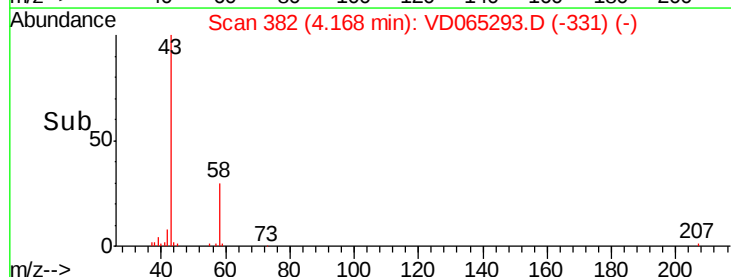
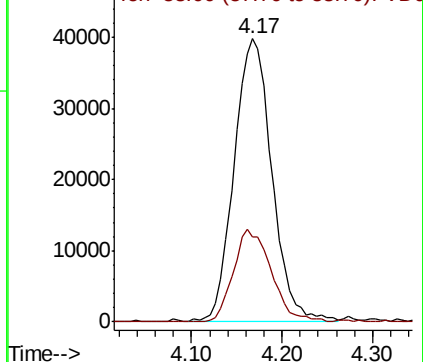
Ion Ratio Lower Upper

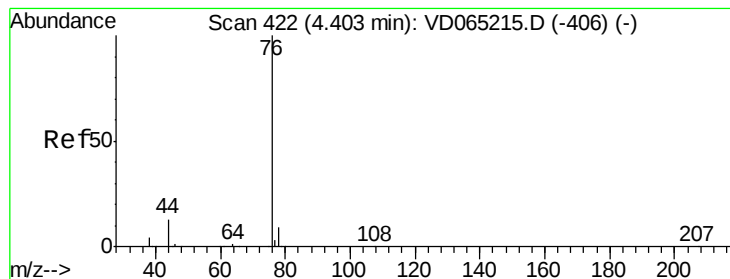
43 100

58 30.0 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: 8.236 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

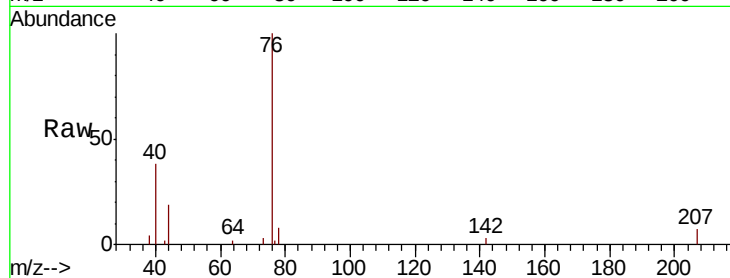
ClientSampleId :

Tot Ion: 76 Resp: 27863

Ion Ratio Lower Upper

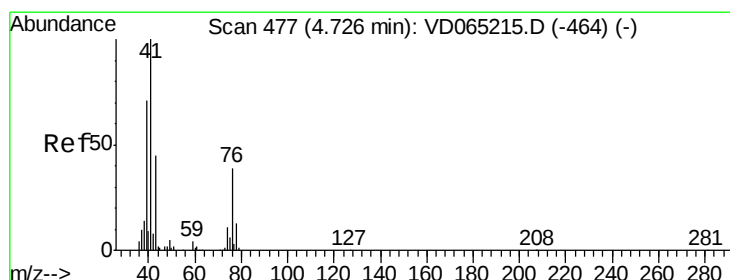
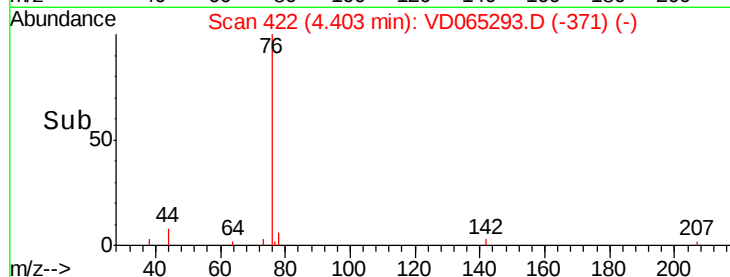
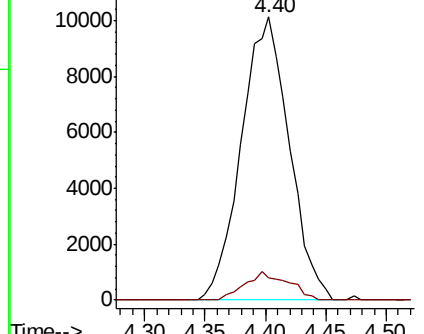
76 100

78 7.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 182.496 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065293.D

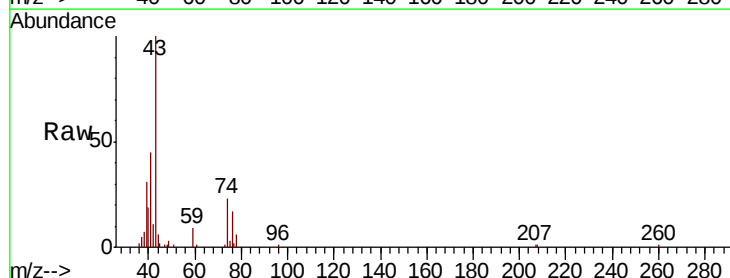
Acq: 24 Feb 2020 14:31

Tgt Ion: 43 Resp: 98242

Ion Ratio Lower Upper

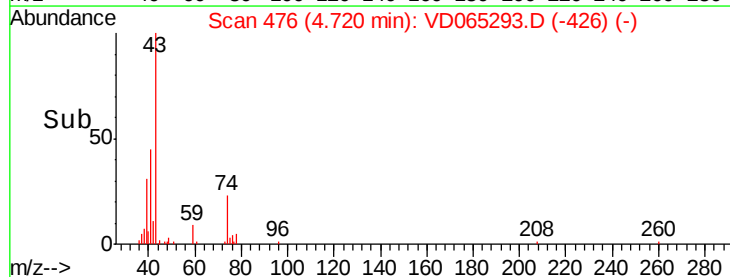
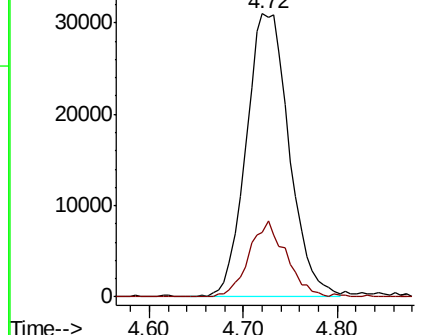
43 100

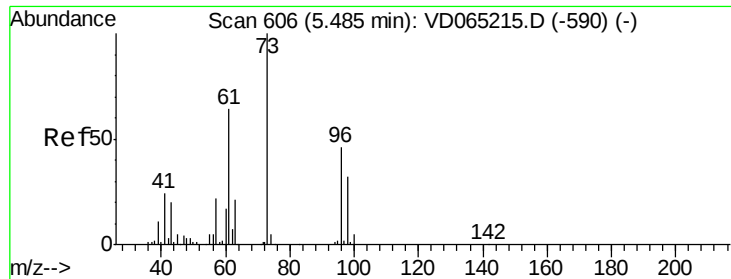
74 23.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



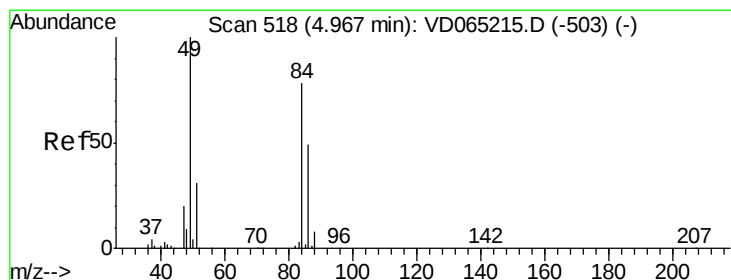
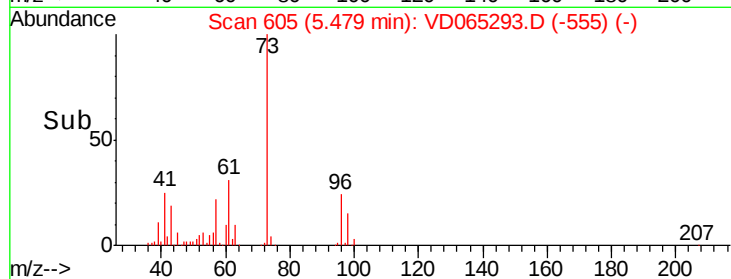
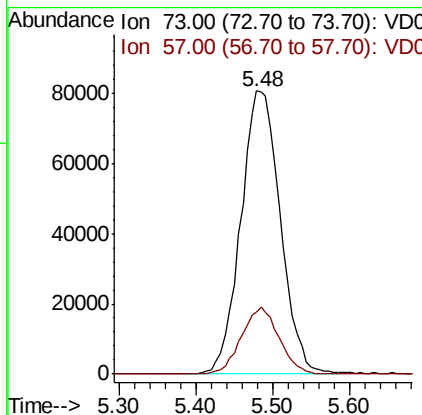
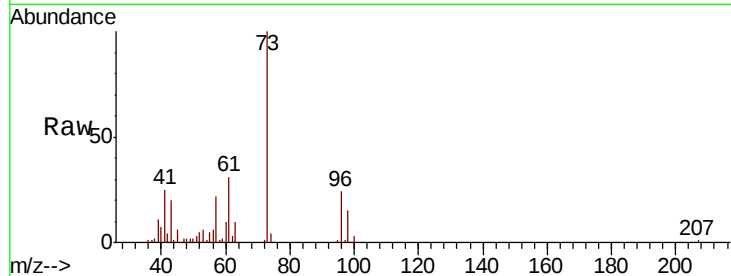


#19

Methyl tert-butyl Ether
 Concen: 137.718 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleID :

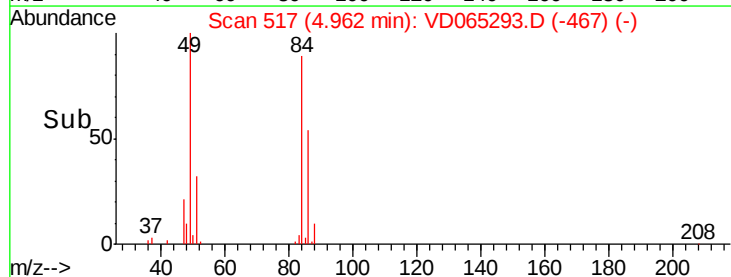
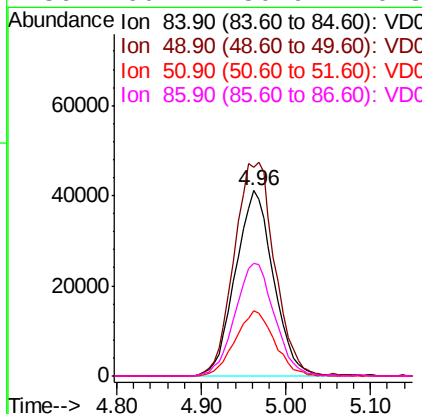
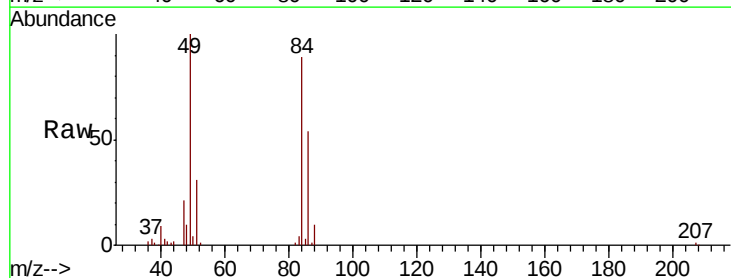
Tot Ion: 73 Resp: 289811
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.3 25.9

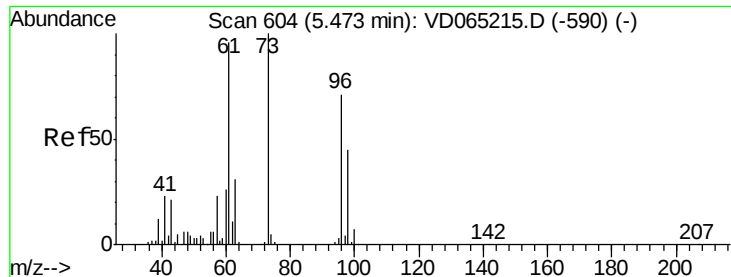


#20

Methylene Chloride
 Concen: 127.889 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 84 Resp: 128621
 Ion Ratio Lower Upper
 84 100
 49 112.4 103.1 154.7
 51 35.4 31.7 47.5
 86 60.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 55.081 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

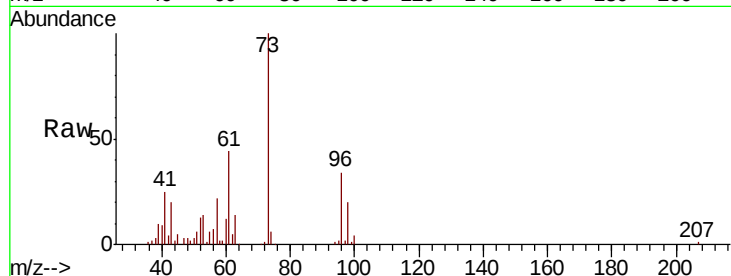
Tot Ion: 96 Resp: 63189

Ion Ratio Lower Upper

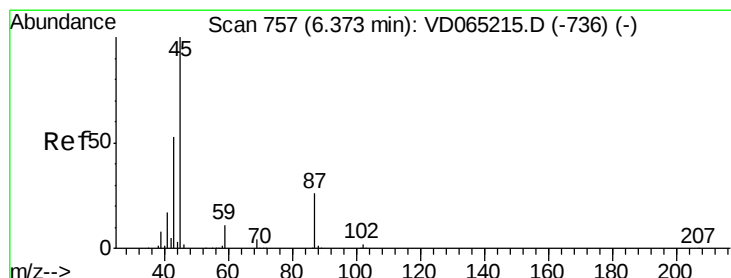
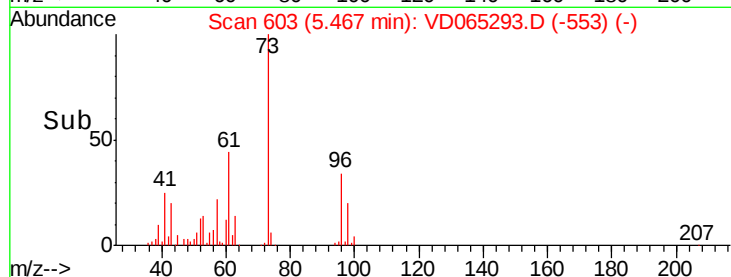
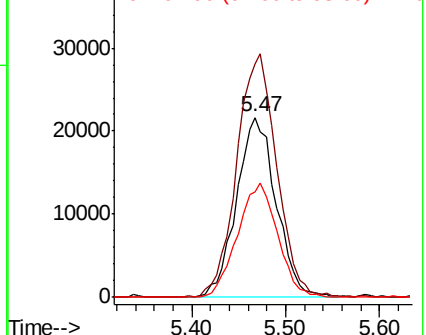
96 100

61 129.3 108.3 162.5

98 58.7 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: 101.494 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Tgt Ion: 45 Resp: 320629

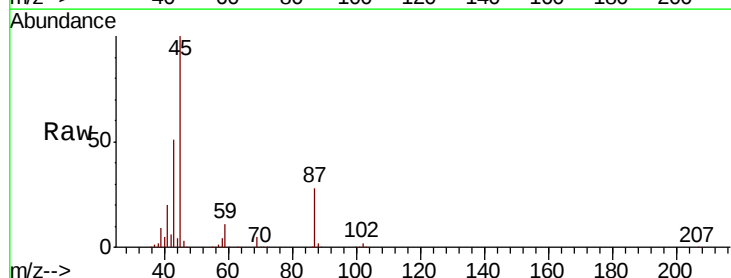
Ion Ratio Lower Upper

45 100

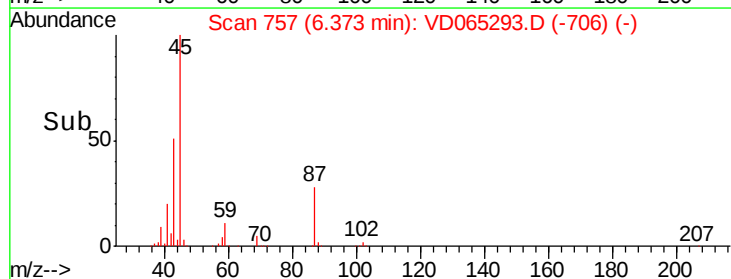
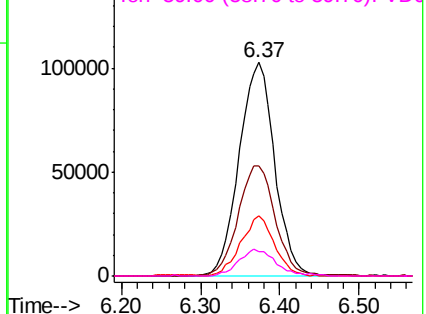
43 51.3 42.6 64.0

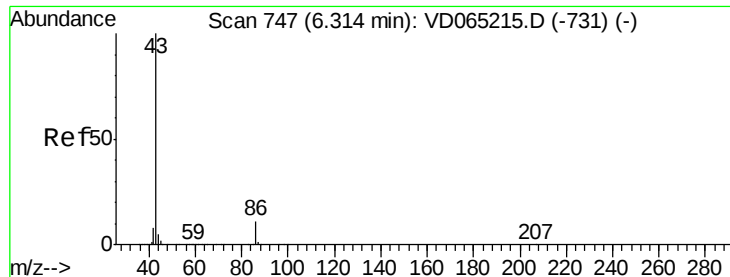
87 27.8 21.2 31.8

59 11.2 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

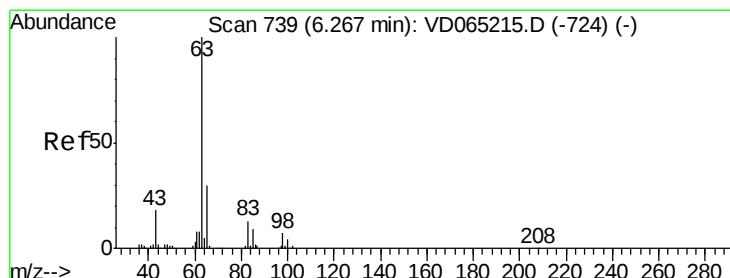
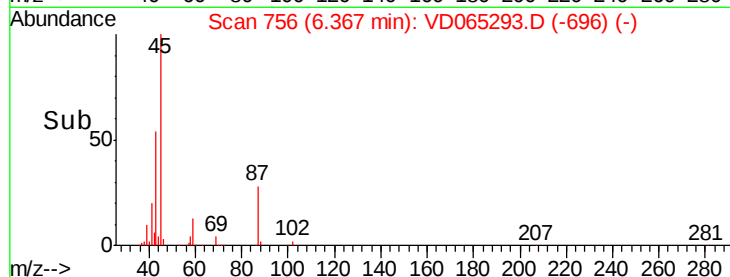
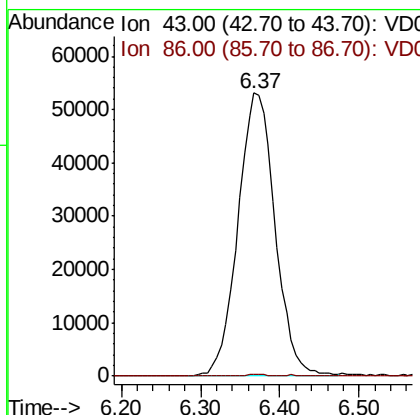
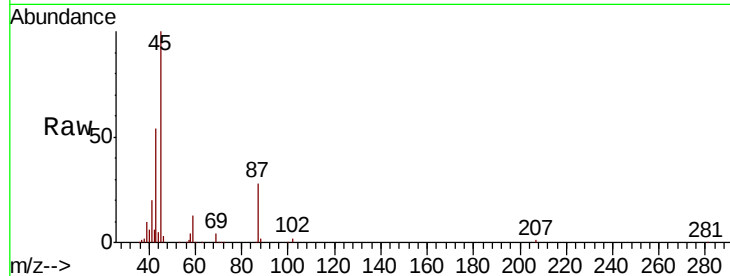




#23
 Vinyl Acetate
 Concen: 99.196 ug/l
 RT: 6.37 min Scan# 756
 Delta R.T. 0.05 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

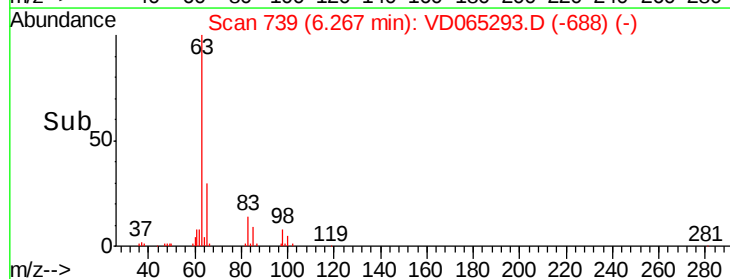
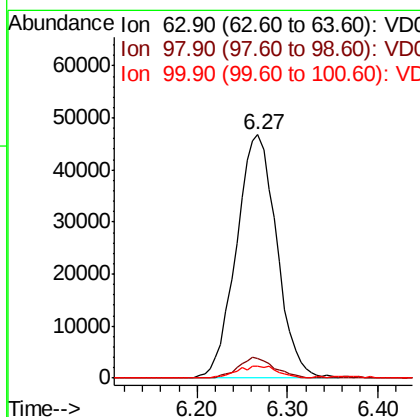
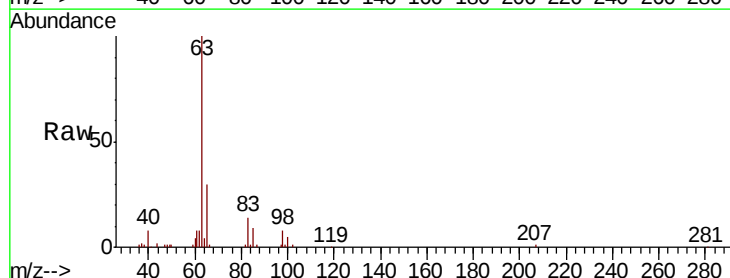
Instrument :
 MSVOA_D
 ClientSampled :

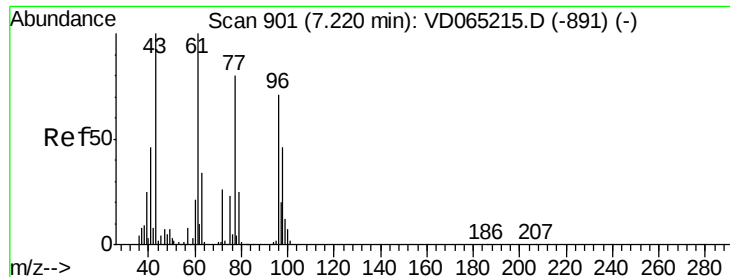
Tot Ion: 43 Resp: 172760
 Ion Ratio Lower Upper
 43 100
 86 0.5 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 73.676 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 63 Resp: 144367
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.4 10.1
 100 5.0 2.3 6.8





#25

2-Butanone

Concen: 258.968 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

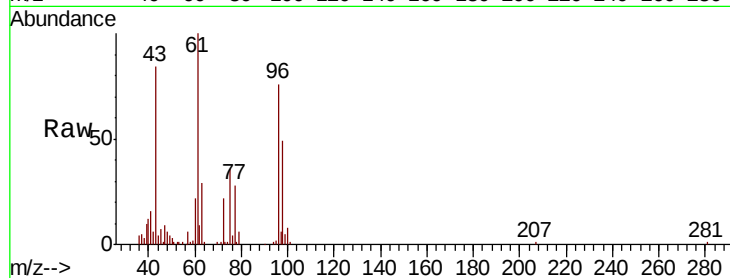
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 78424

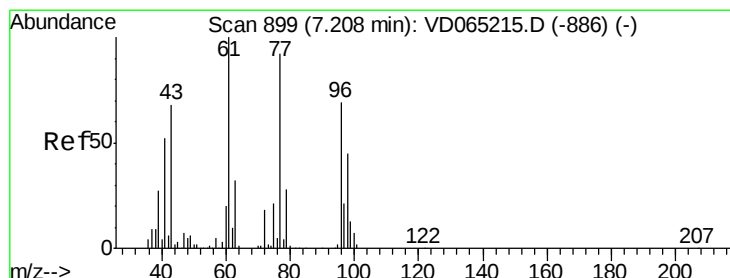
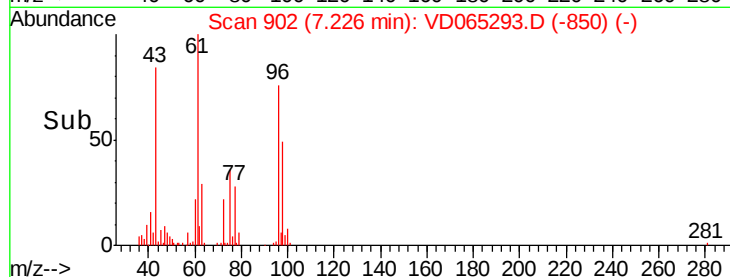
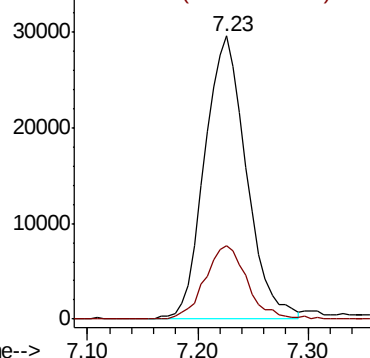
Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.060 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065293.D

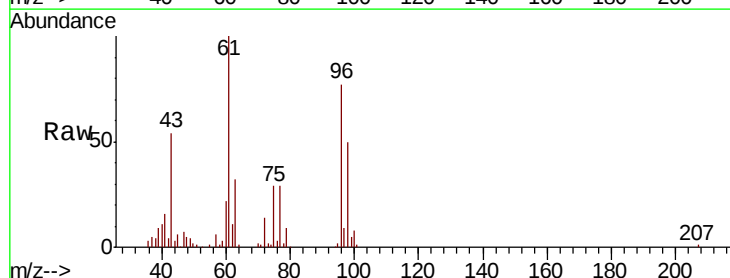
Acq: 24 Feb 2020 14:31

Tgt Ion: 77 Resp: 37504

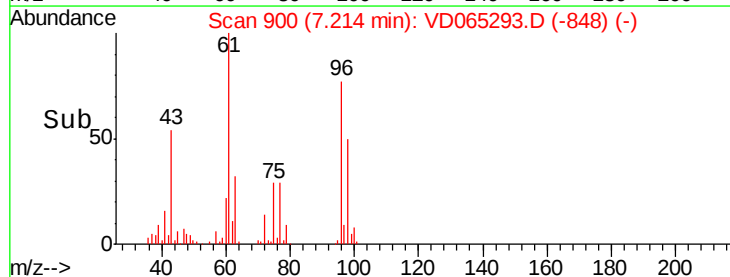
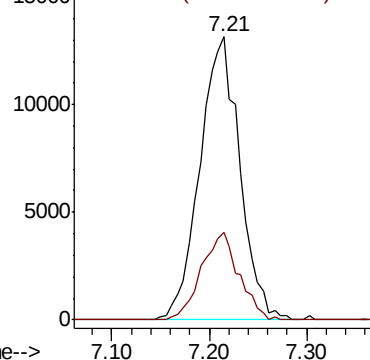
Ion Ratio Lower Upper

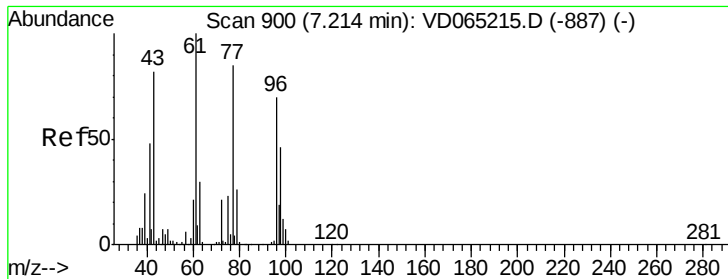
77 100

97 29.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



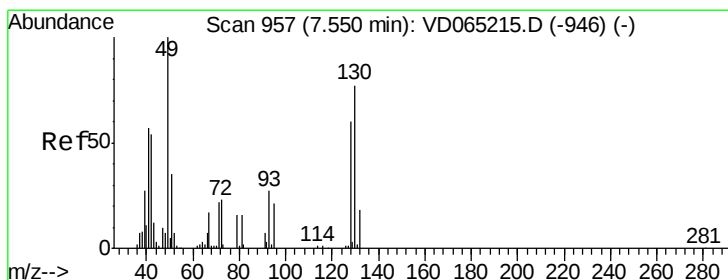
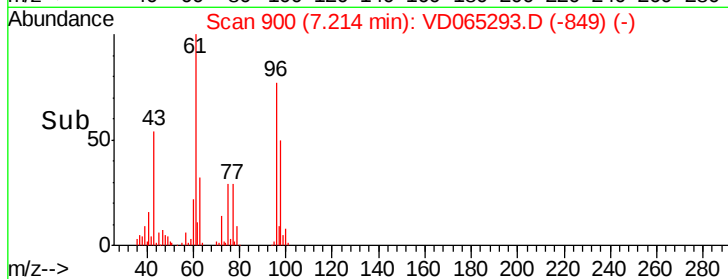
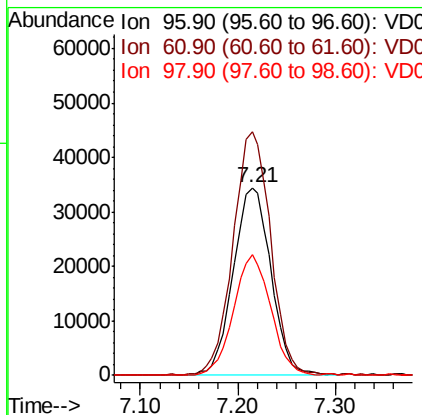
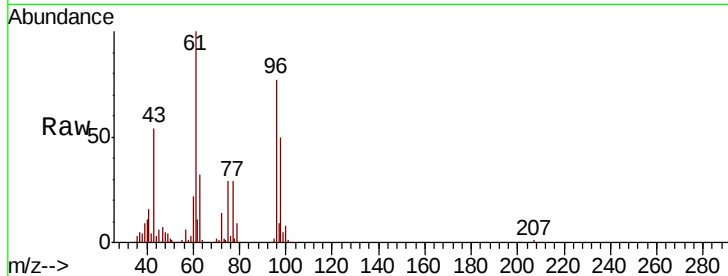


#27

cis-1,2-Dichloroethene
 Concen: 76.696 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :

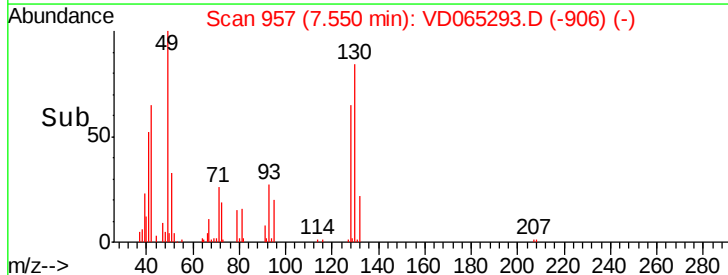
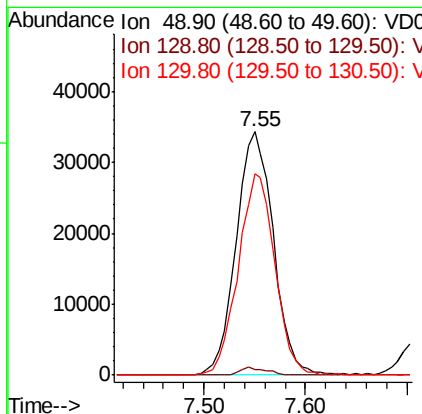
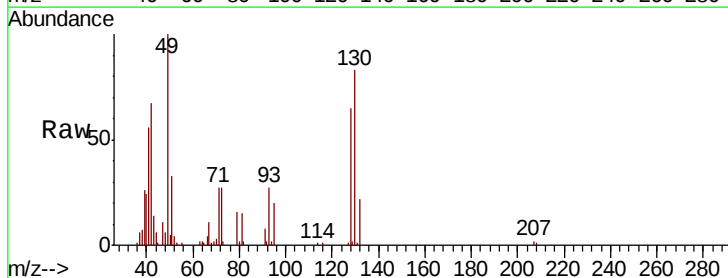
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	286.0
98	63.2	0.0	127.8

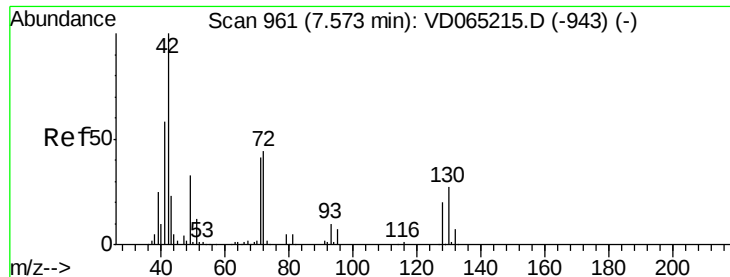


#28

Bromochloromethane
 Concen: 120.340 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	81.3	64.7	97.1

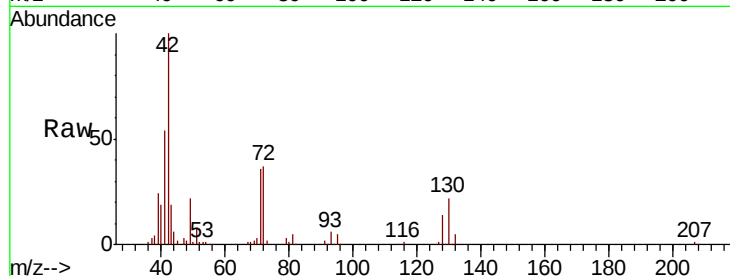




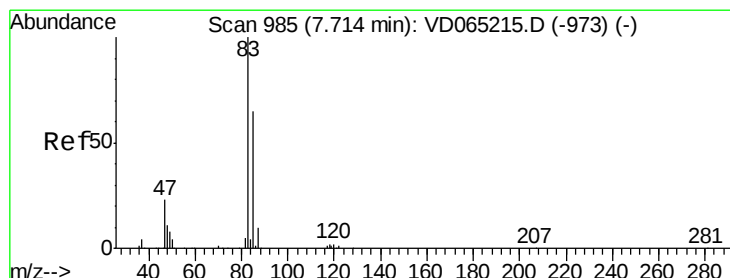
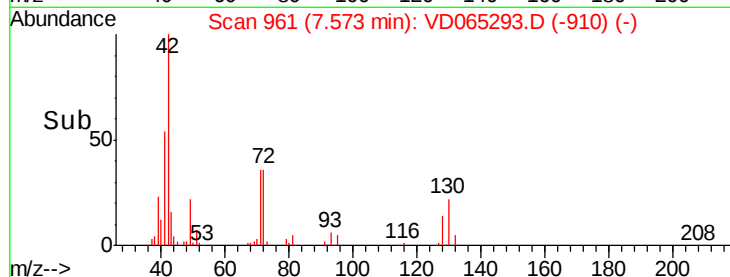
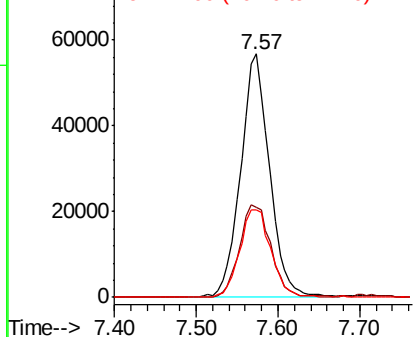
#29
Tetrahydrofuran
Concen: 788.178 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 139852
Ion Ratio Lower Upper
42 100
72 41.3 33.7 50.5
71 39.2 31.4 47.2

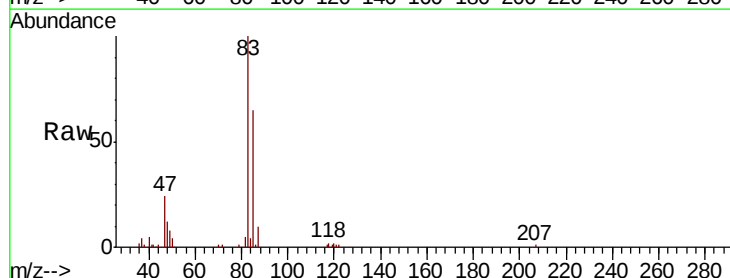


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

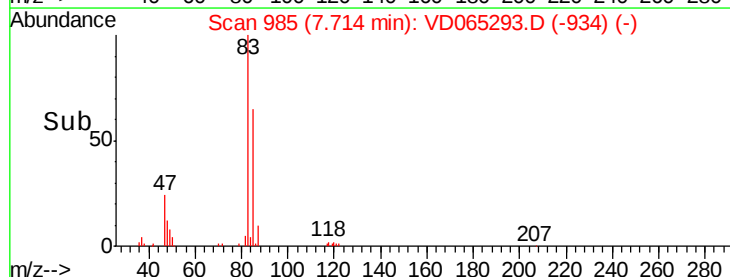
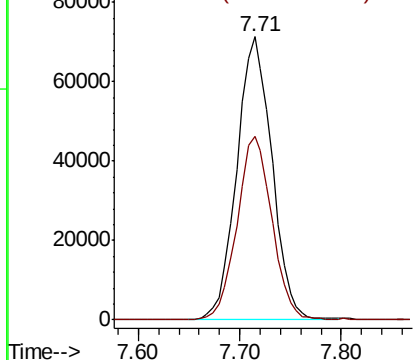


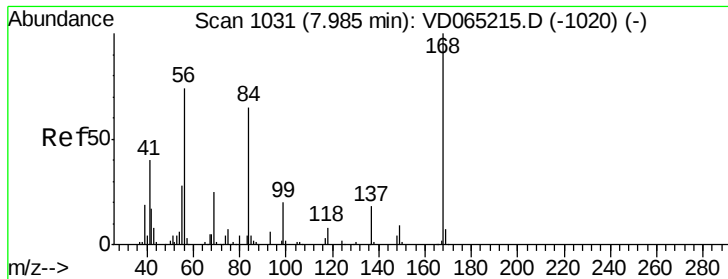
#30
Chloroform
Concen: 86.932 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 83 Resp: 171615
Ion Ratio Lower Upper
83 100
85 65.1 52.3 78.5



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

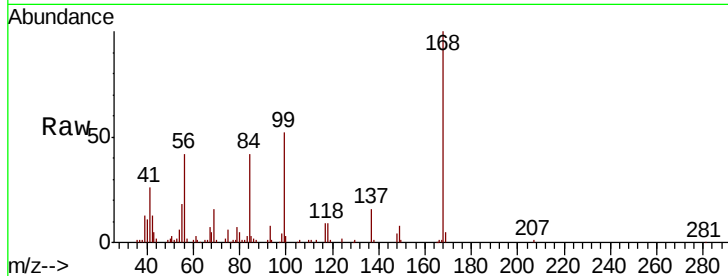




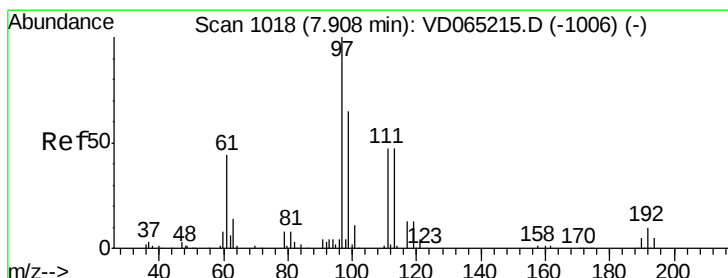
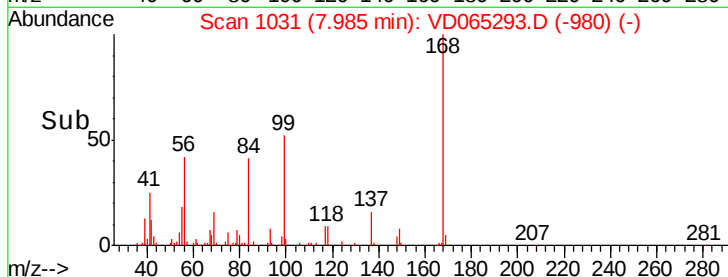
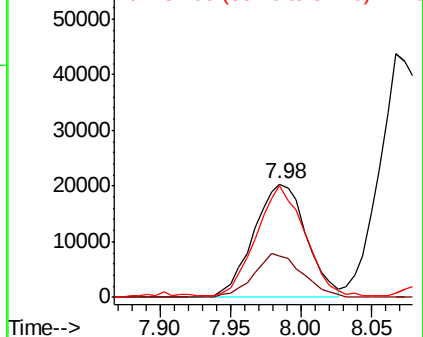
#31
Cyclohexane
Concen: 27.649 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 53231
Ion Ratio Lower Upper
56 100
69 36.9 27.4 41.0
84 95.7 71.1 106.7

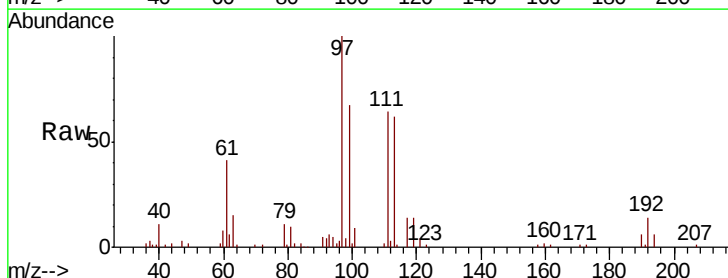


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

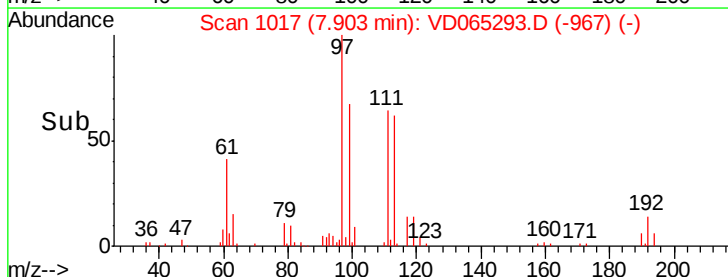
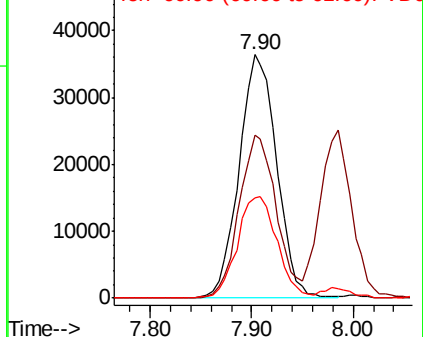


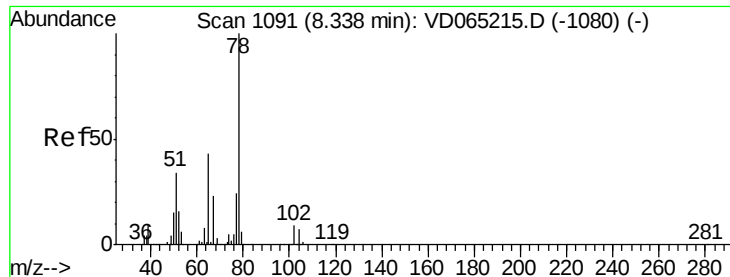
#32
1,1,1-Trichloroethane
Concen: 52.881 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 97 Resp: 93402
Ion Ratio Lower Upper
97 100
99 66.6 51.4 77.2
61 44.2 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: 121.551 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

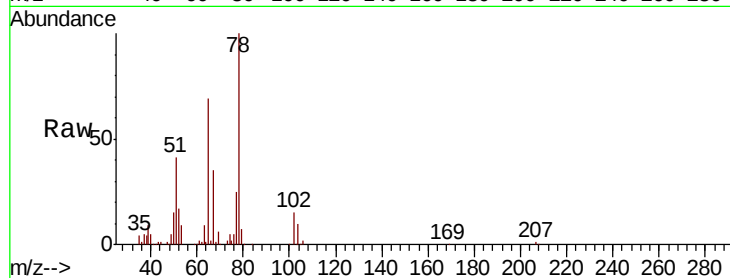
ClientSampleId :

Tot Ion: 65 Resp: 119017

Ion Ratio Lower Upper

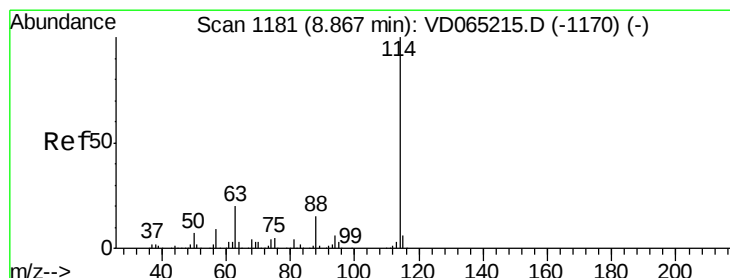
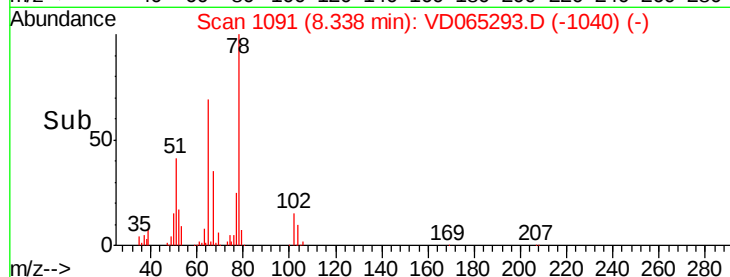
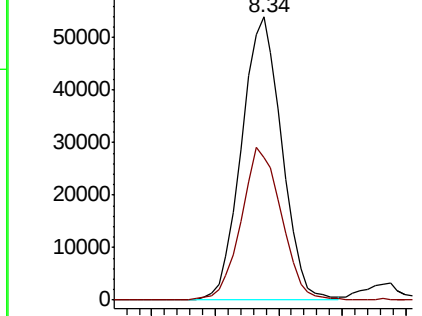
65 100

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# 1181

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

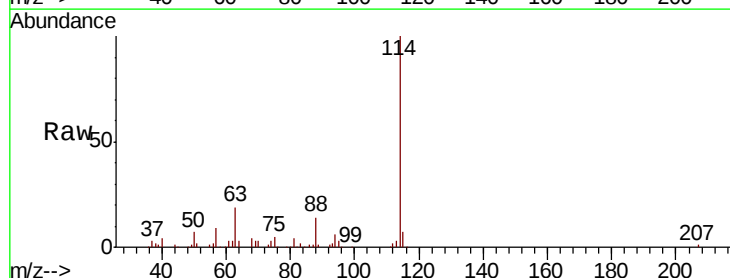
Tgt Ion:114 Resp: 200539

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

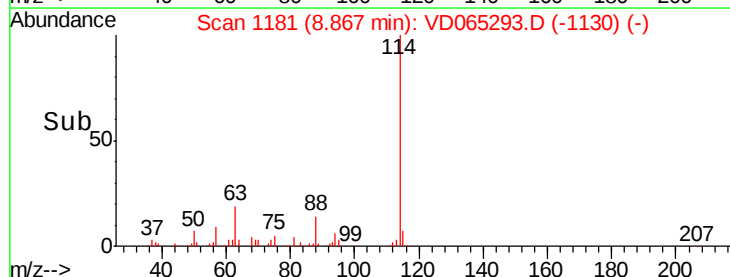
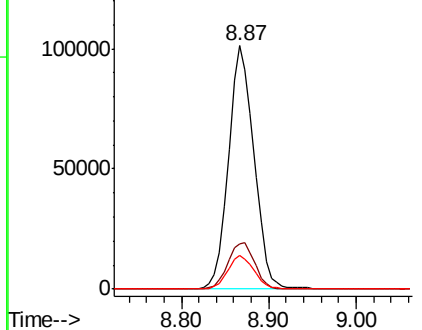
88 13.6 0.0 30.4

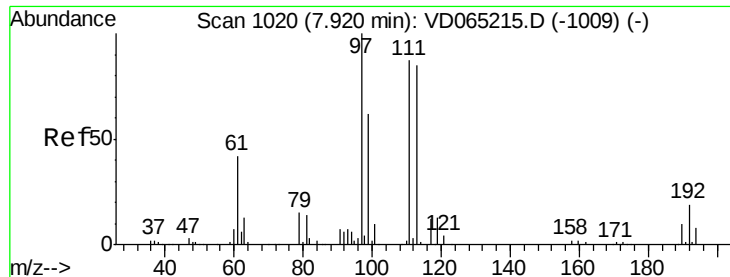


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

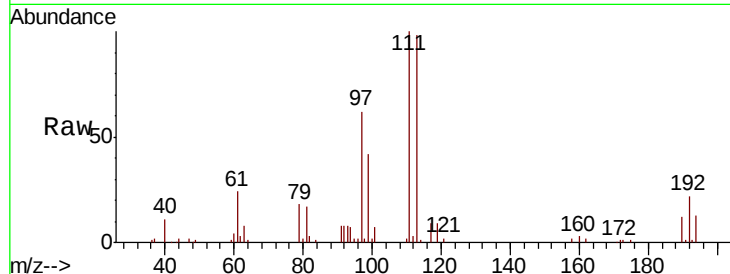




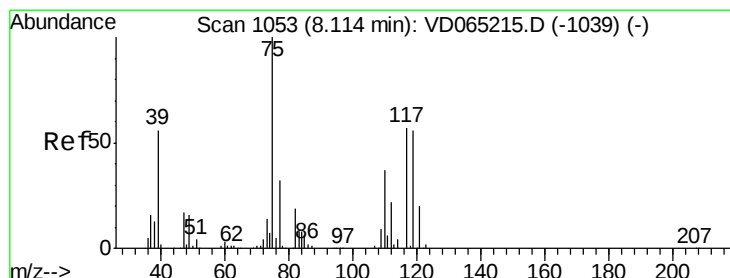
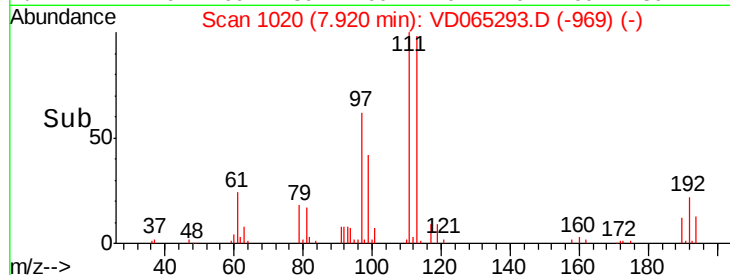
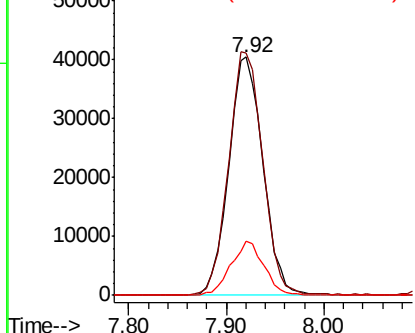
#35
 Dibromofluoromethane
 Concen: 80.745 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 98732
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 21.8 17.3 25.9

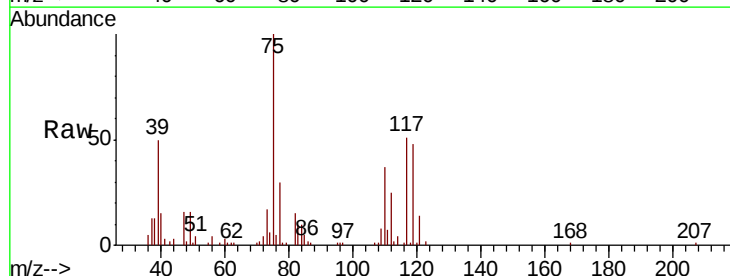


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

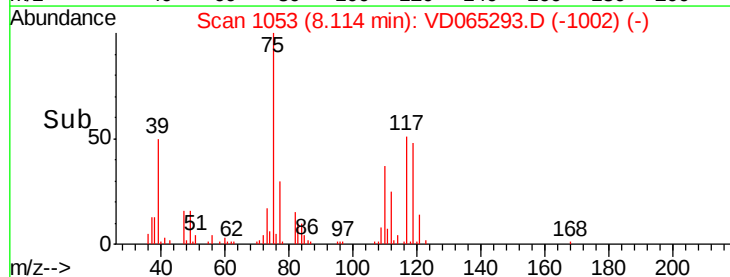
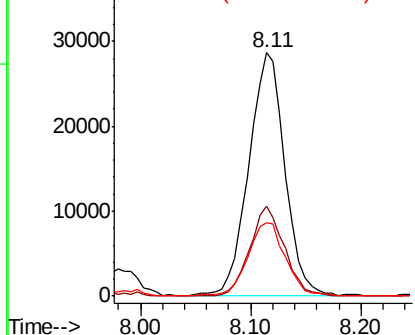


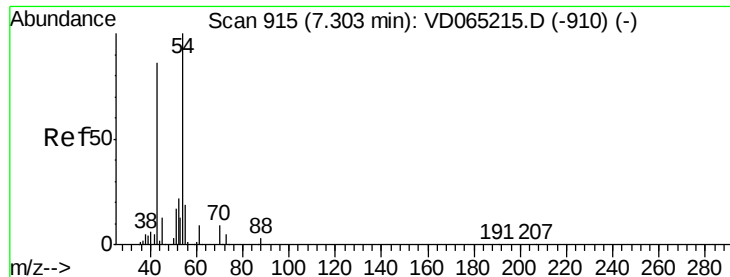
#36
 1,1-Dichloropropene
 Concen: 33.772 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 75 Resp: 65898
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.9 53.7
 77 31.5 25.1 37.7



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

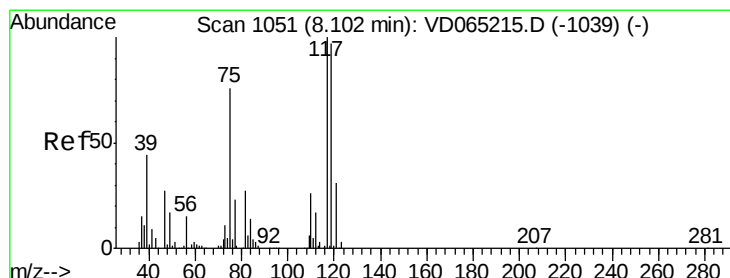
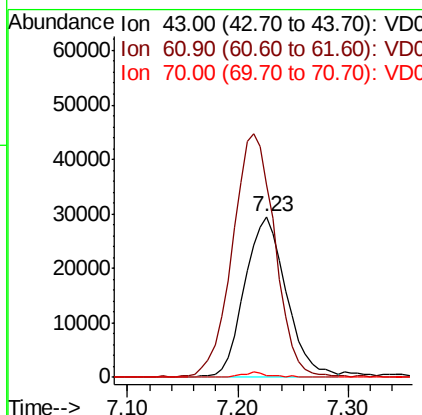
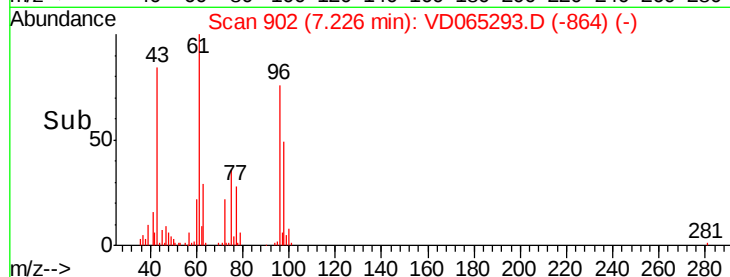
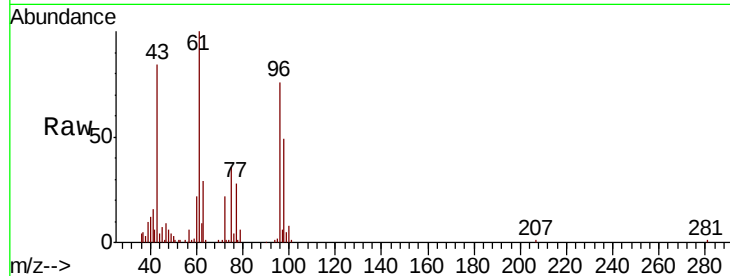




#37
Ethyl Acetate
Concen: 96.142 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

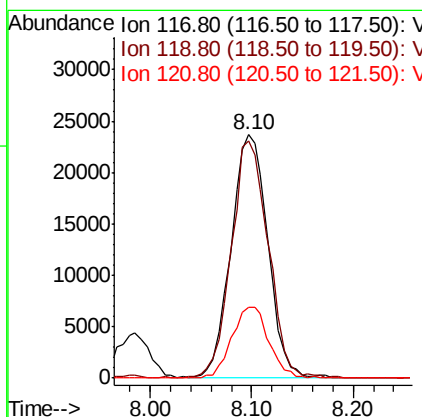
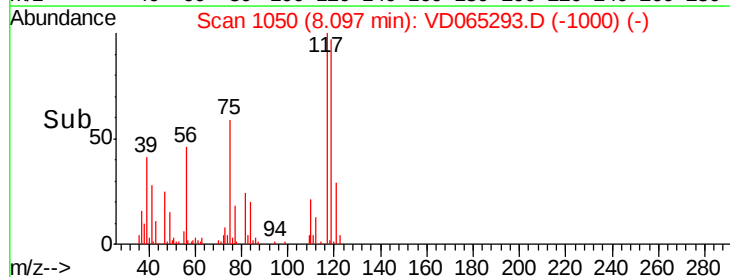
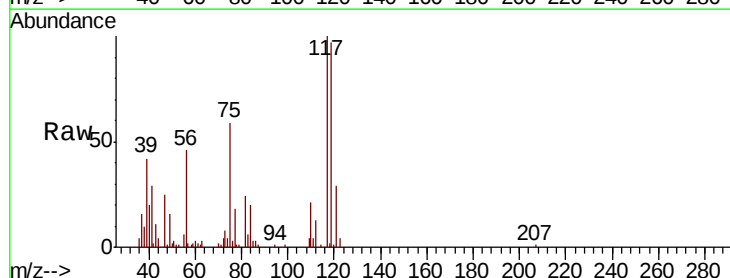
Instrument :
MSVOA_D
ClientSampleId :

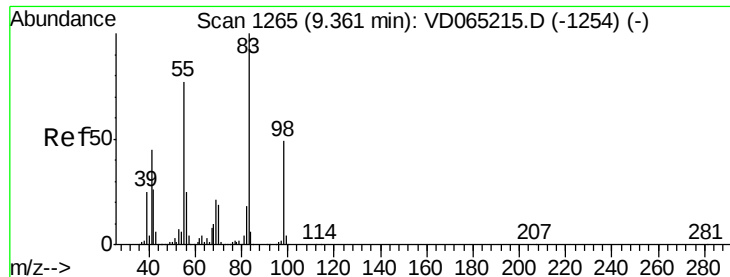
Tot Ion: 43 Resp: 78424
Ion Ratio Lower Upper
43 100
61 153.3 11.2 16.8#
70 2.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 29.969 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 117 Resp: 59529
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4
121 29.3 24.8 37.2

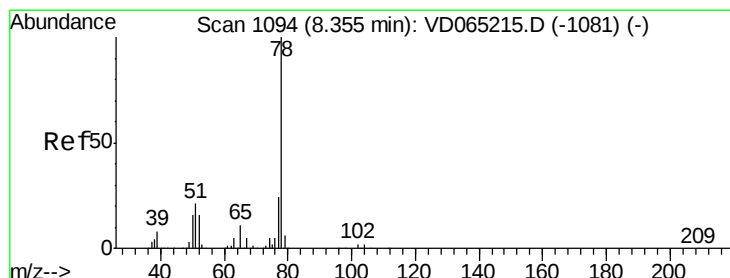
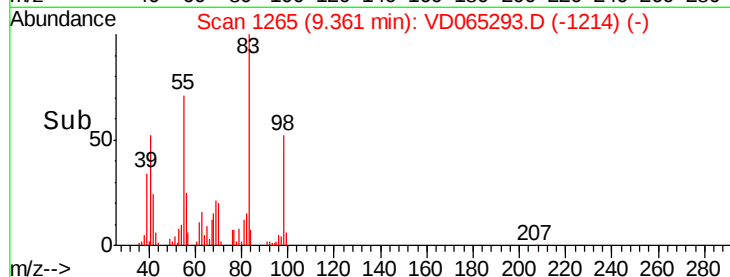
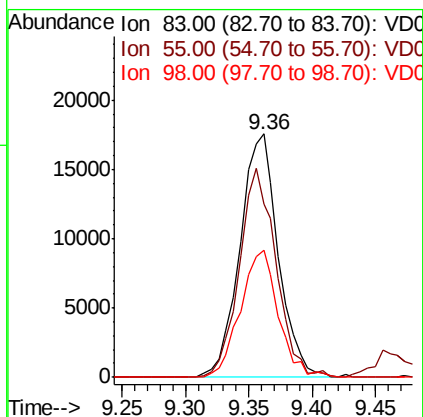
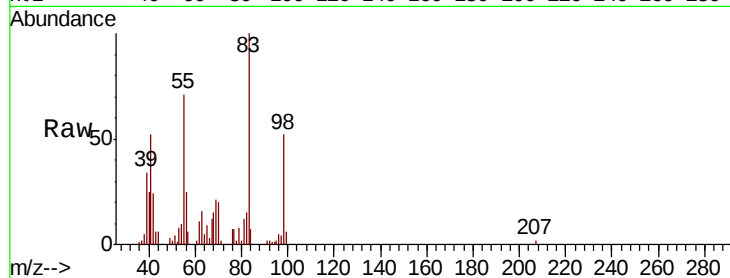




#39
Methvlcvclohexane
Concen: 16.099 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

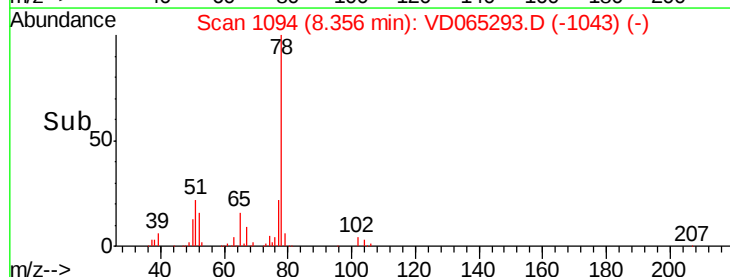
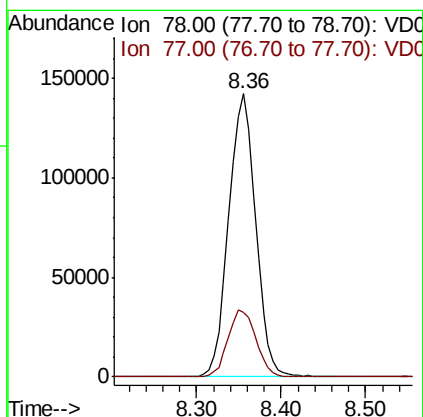
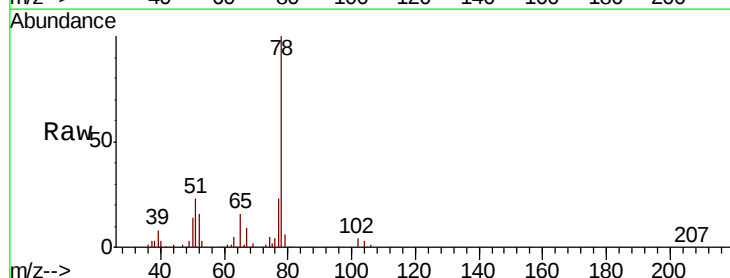
Instrument :
MSVOA_D
ClientSampleId :

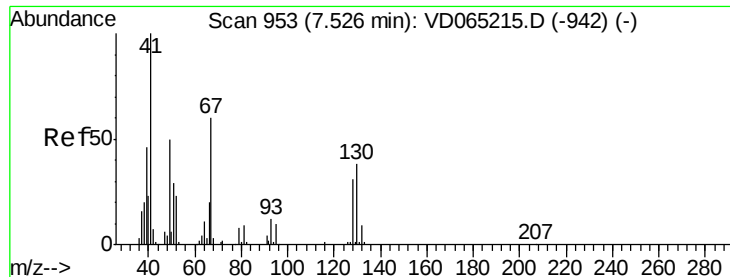
Tot Ion: 83 Resp: 36930
Ion Ratio Lower Upper
83 100
55 71.4 61.8 92.6
98 52.3 39.4 59.0



#40
Benzene
Concen: 56.841 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 78 Resp: 313057
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6

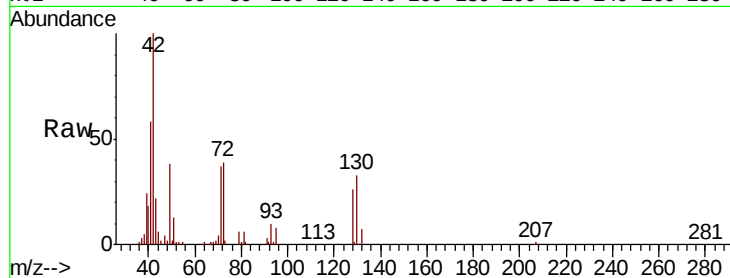




#41
Methacrylonitrile
Concen: 231.540 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.2	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#



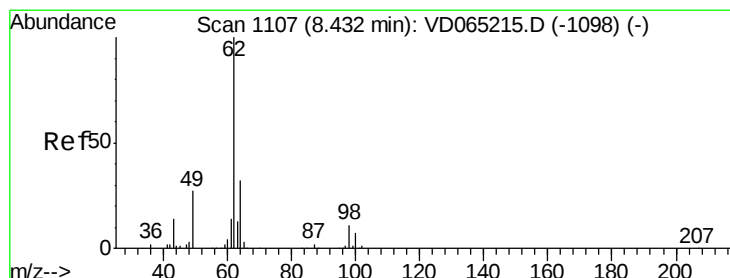
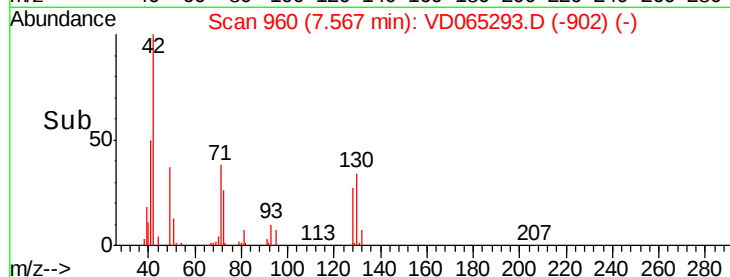
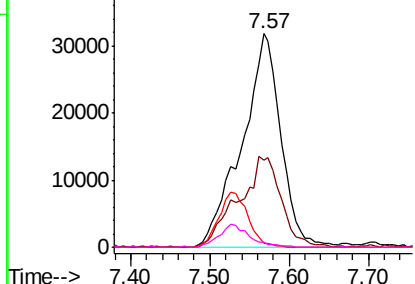
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

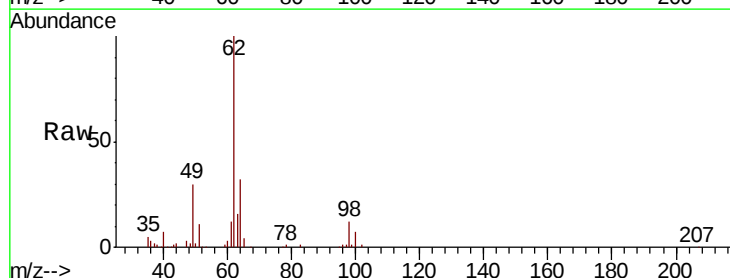
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 94.049 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

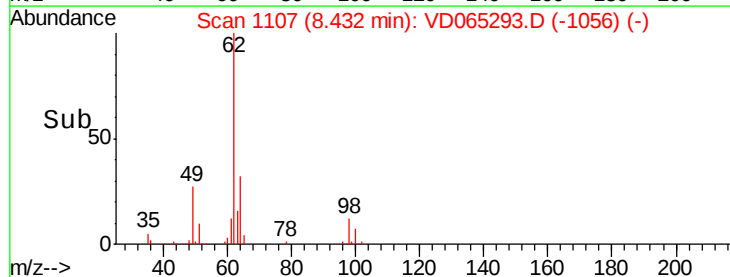
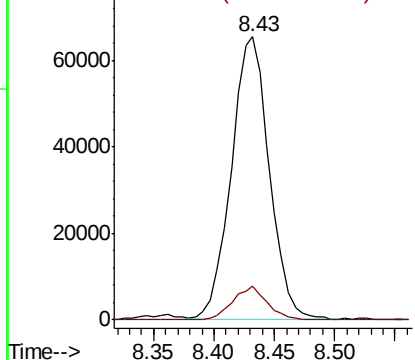
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6

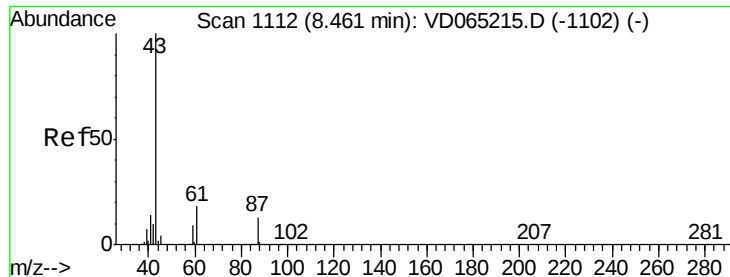


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 3.851 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

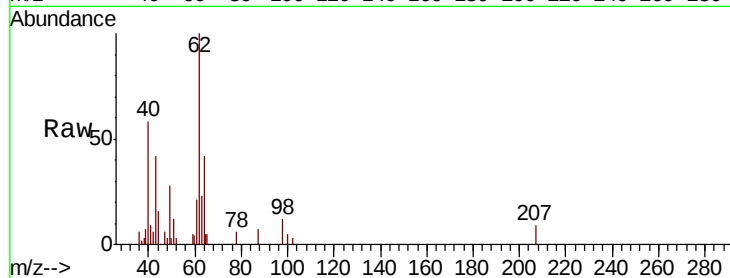
Tot Ion: 43 Resp: 5713

Ion Ratio Lower Upper

43 100

61 0.0 24.6 36.8#

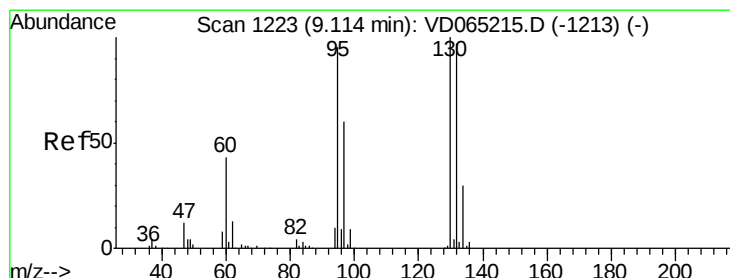
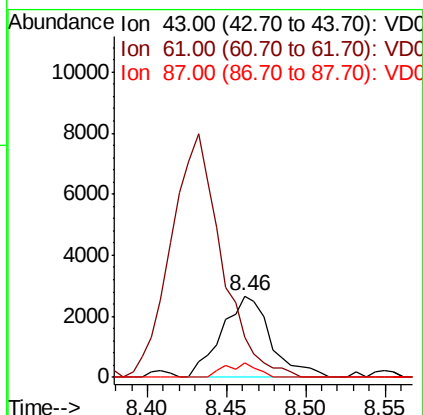
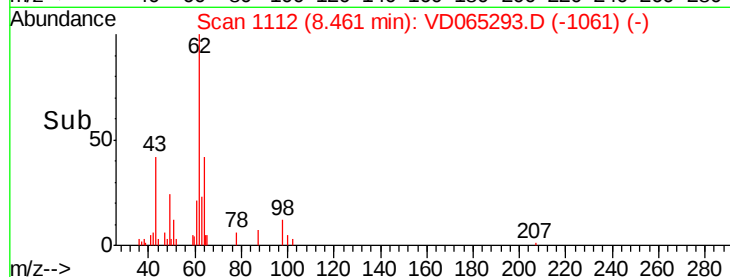
87 11.3 10.6 16.0



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: 44.962 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065293.D

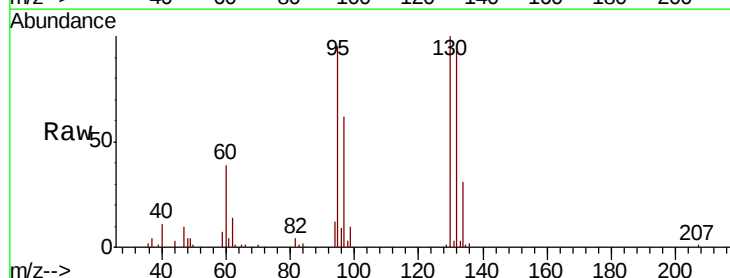
Acq: 24 Feb 2020 14:31

Tgt Ion: 130 Resp: 68643

Ion Ratio Lower Upper

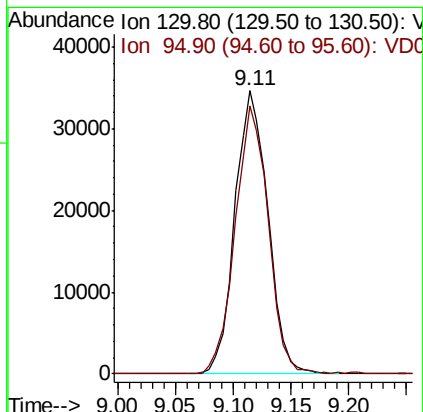
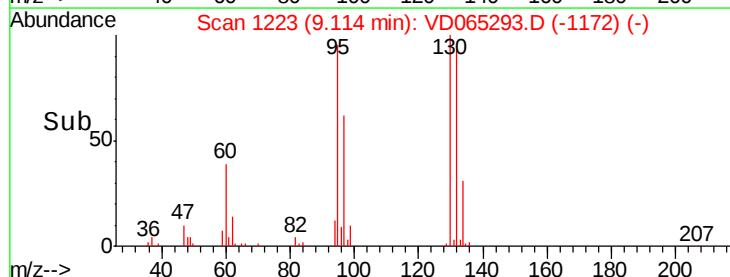
130 100

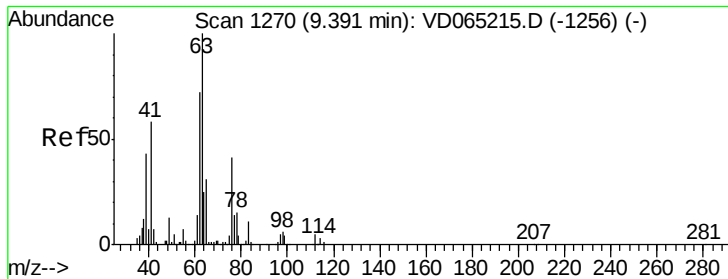
95 94.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 75.186 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

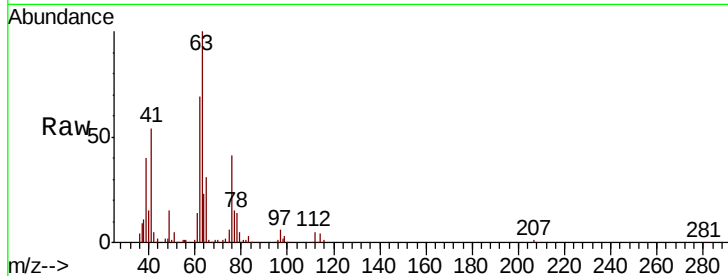
ClientSampled :

Tot Ion: 63 Resp: 102968

Ion Ratio Lower Upper

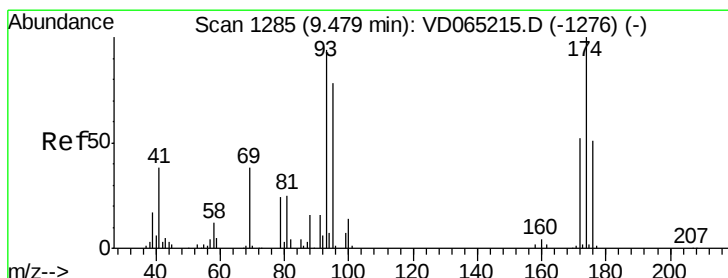
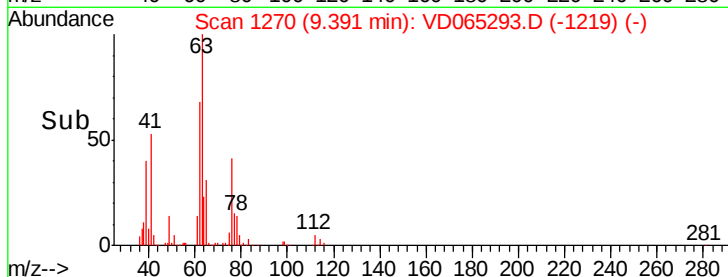
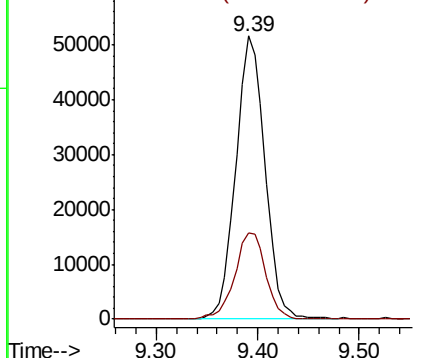
63 100

65 30.5 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: 108.603 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

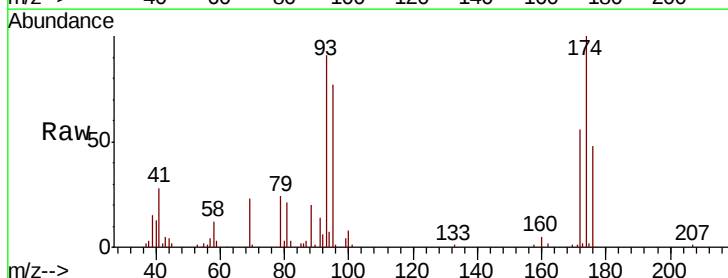
Tgt Ion: 93 Resp: 76526

Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.6

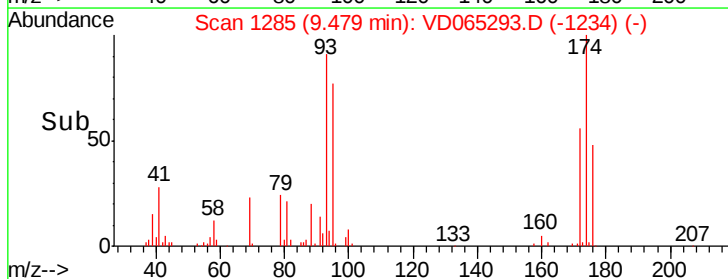
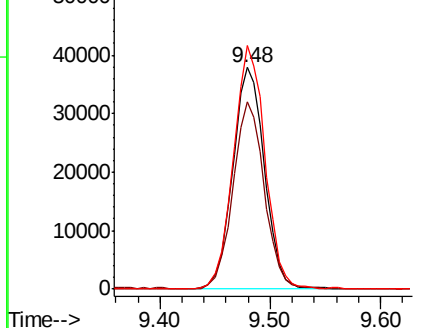
174 108.6 86.8 130.2

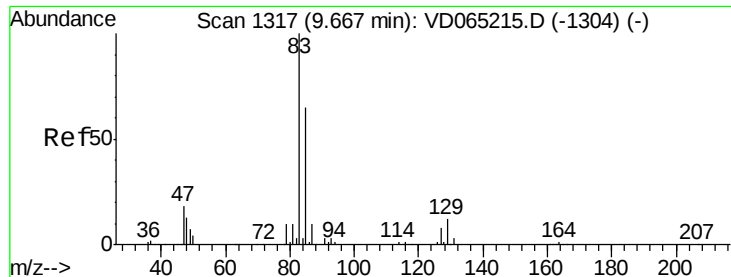


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

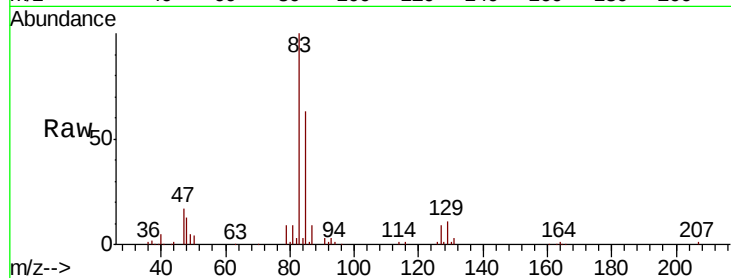




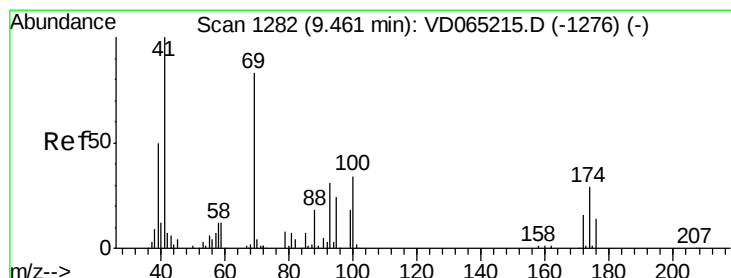
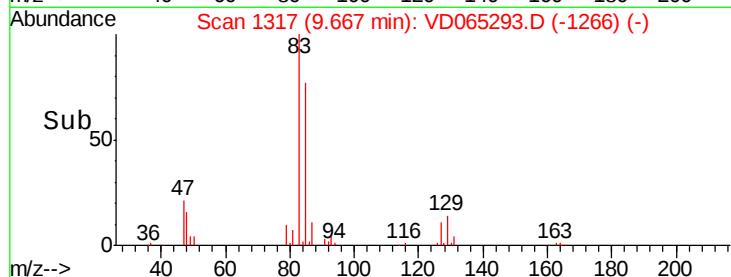
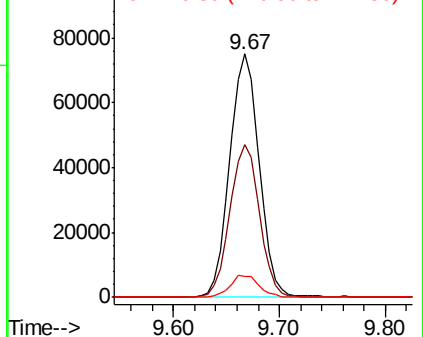
#47
Bromodichloromethane
Concen: 77.962 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 144774
Ion Ratio Lower Upper
83 100
85 62.7 52.0 78.0
127 8.8 6.7 10.1

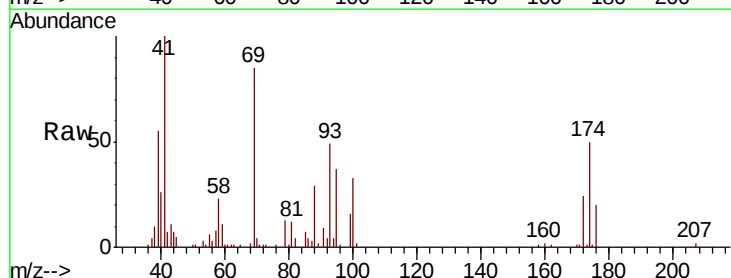


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

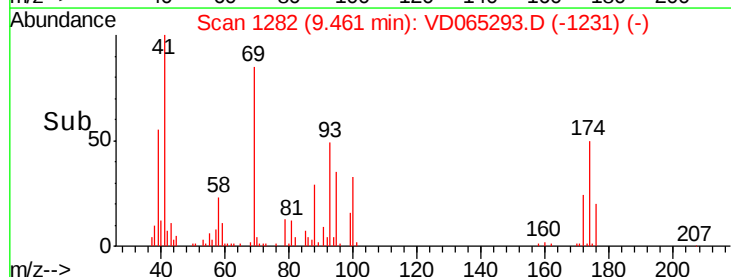
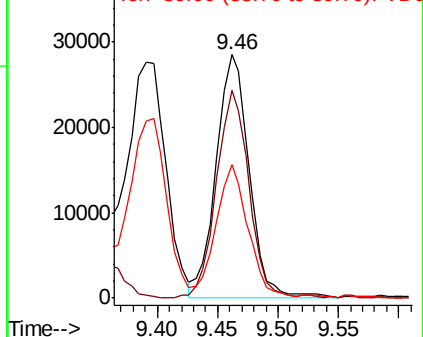


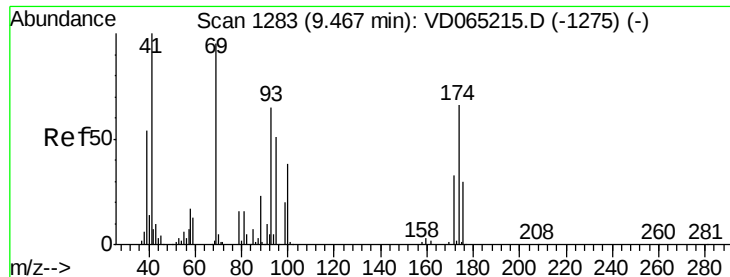
#48
Methyl methacrylate
Concen: 79.090 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 41 Resp: 54228
Ion Ratio Lower Upper
41 100
69 83.8 68.2 102.2
39 51.9 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

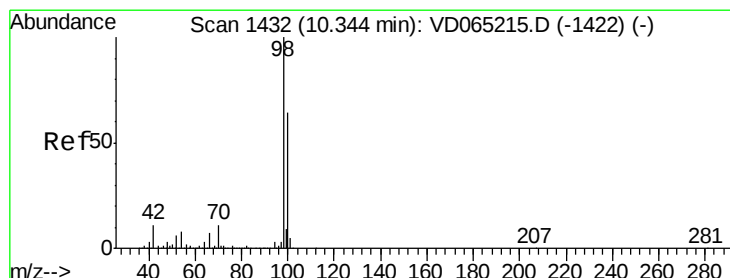
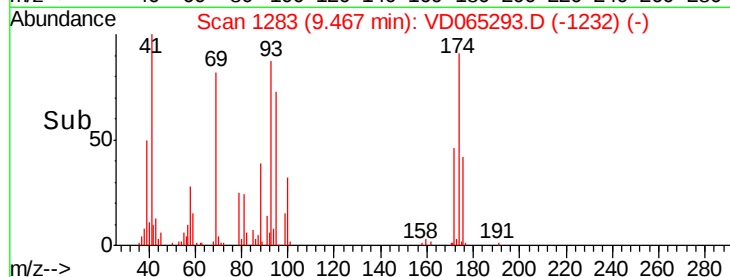
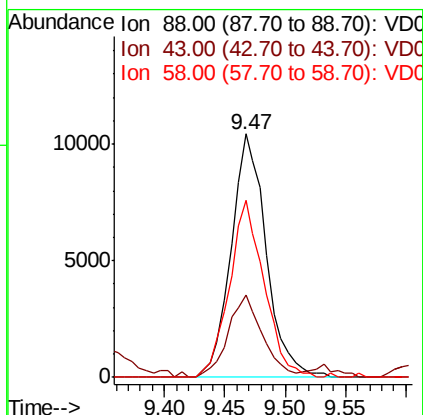
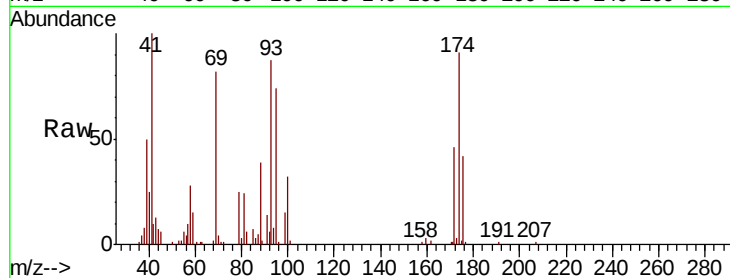




#49
1,4-Dioxane
Concen: 2562.323 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

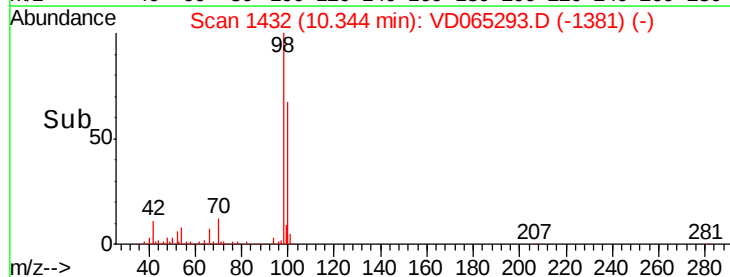
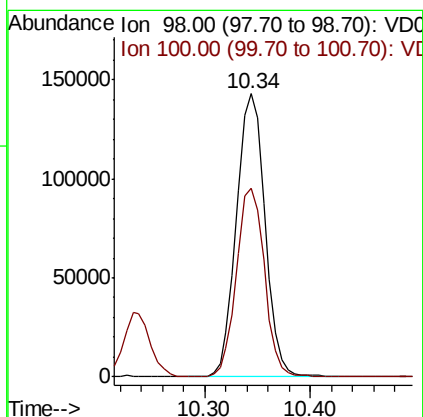
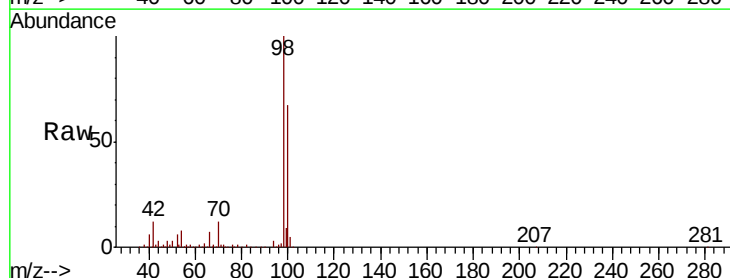
Instrument :
MSVOA_D
ClientSampleId :

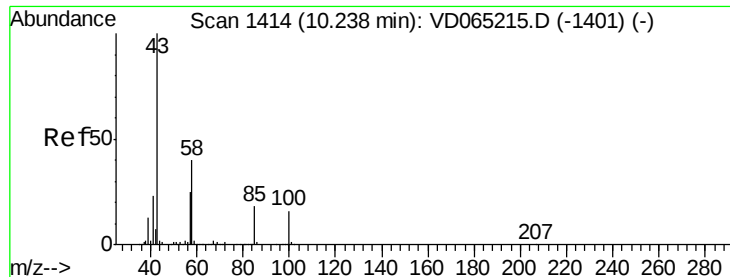
Tot Ion: 88 Resp: 21176
Ion Ratio Lower Upper
88 100
43 33.1 28.5 42.7
58 71.8 58.6 87.8



#50
Toluene-d8
Concen: 57.295 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 98 Resp: 267826
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

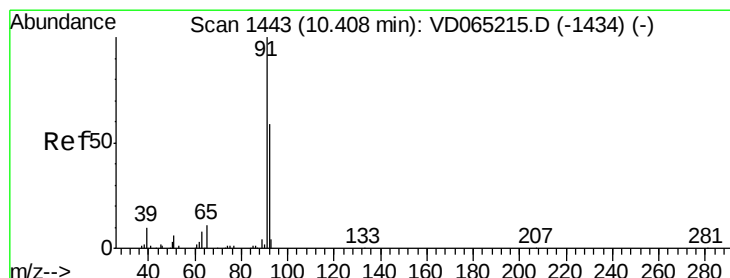
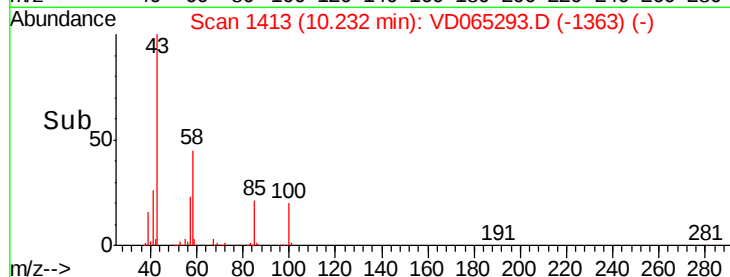
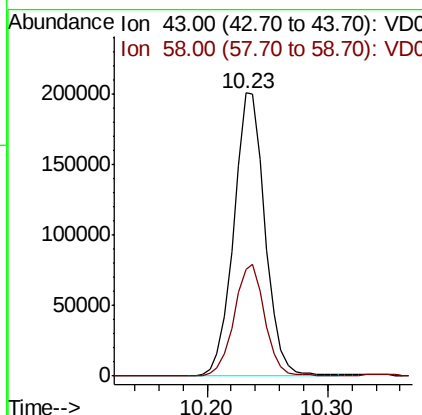
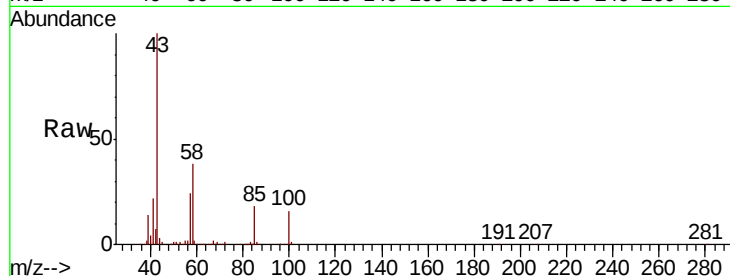




#51
4-Methyl-2-Pentanone
Concen: 482.056 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

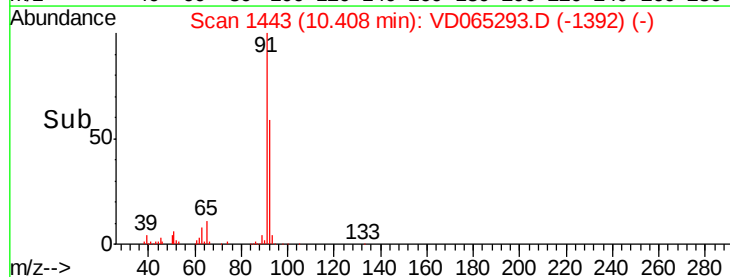
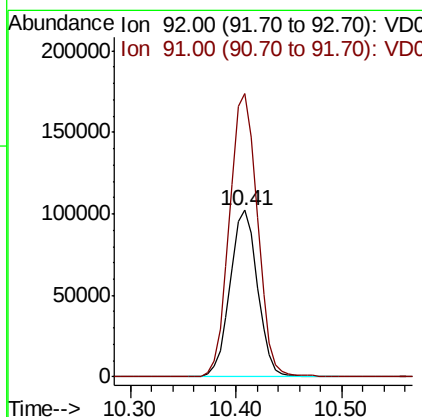
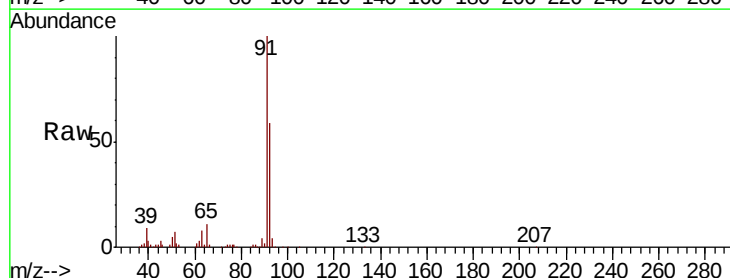
Instrument :
MSVOA_D
ClientSampled :

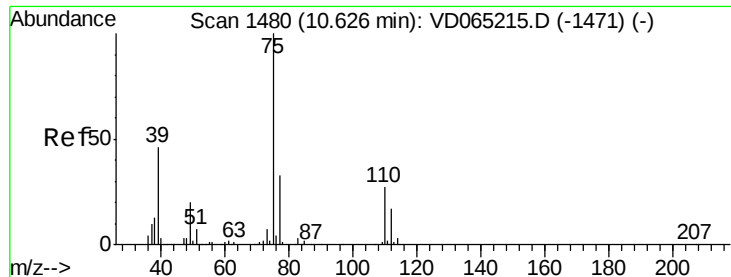
Tot Ion: 43 Resp: 363187
Ion Ratio Lower Upper
43 100
58 38.6 31.1 46.7



#52
Toluene
Concen: 53.872 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 92 Resp: 183655
Ion Ratio Lower Upper
92 100
91 173.2 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 52.618 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

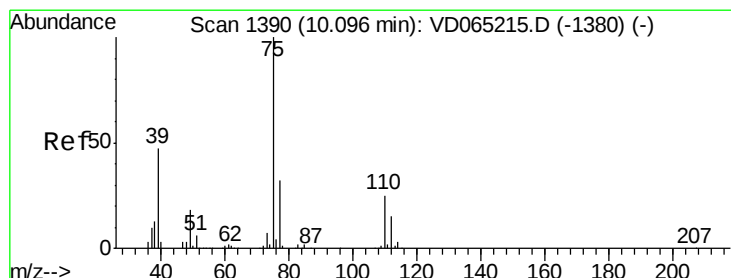
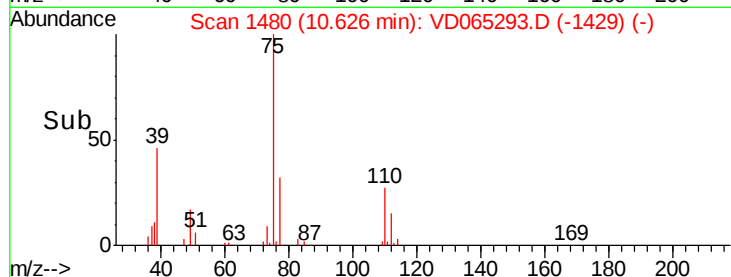
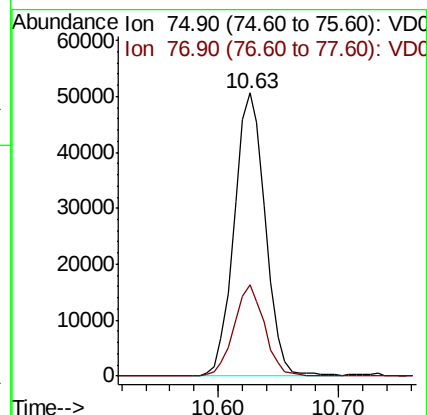
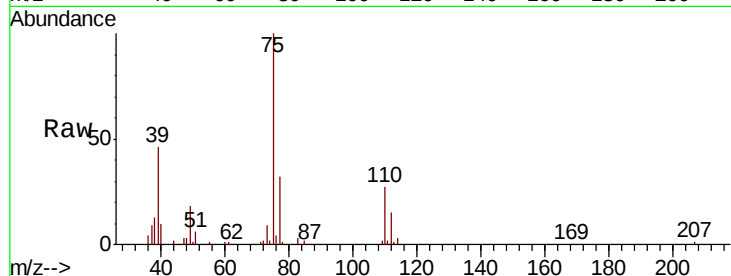
ClientSampled :

Tot Ion: 75 Resp: 90569

Ion Ratio Lower Upper

75 100

77 32.4 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 41.796 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

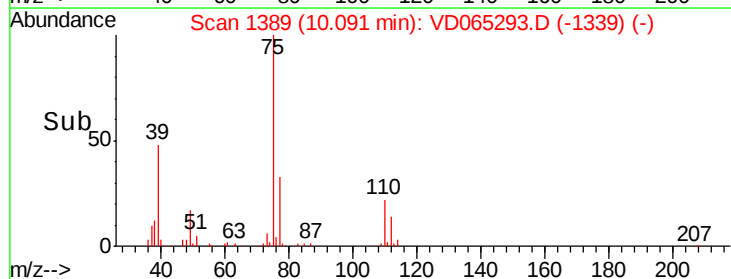
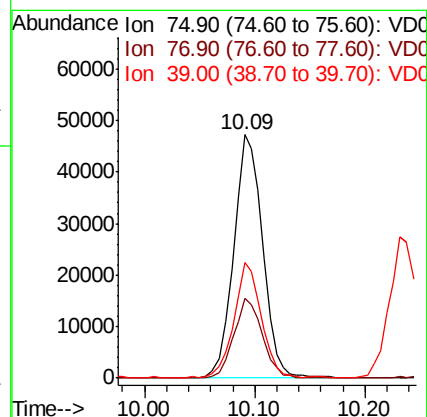
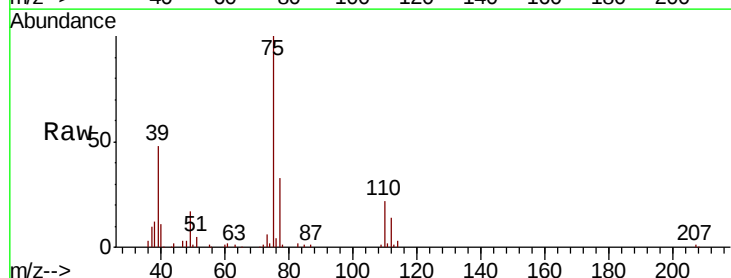
Tgt Ion: 75 Resp: 86873

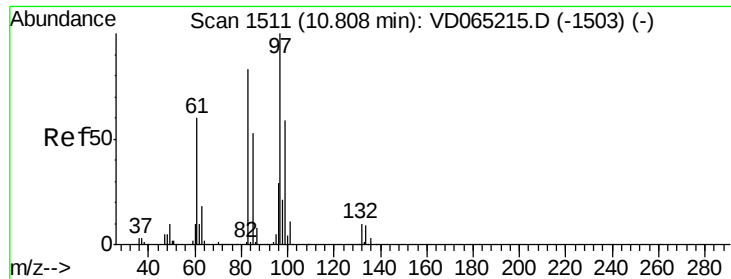
Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

39 47.6 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 103.406 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 102556

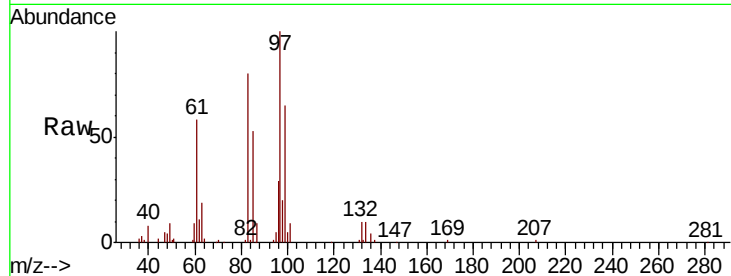
Ion Ratio Lower Upper

97 100

83 80.4 66.7 100.1

85 52.7 42.4 63.6

99 65.5 47.5 71.3

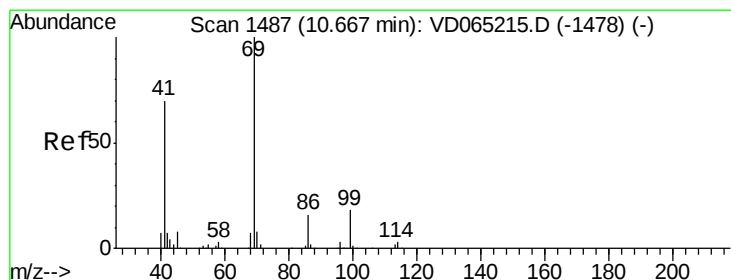
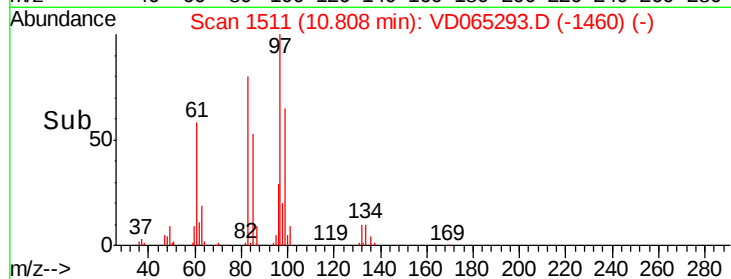
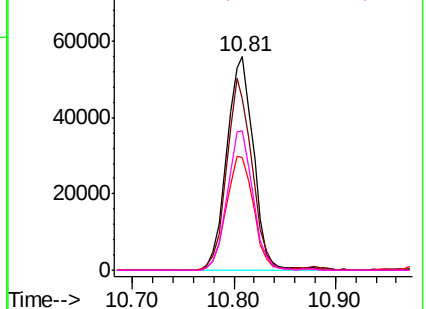


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 1.727 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

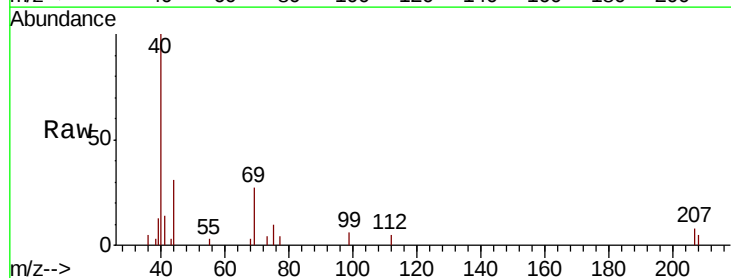
Tgt Ion: 69 Resp: 1977

Ion Ratio Lower Upper

69 100

41 84.6 54.6 81.8#

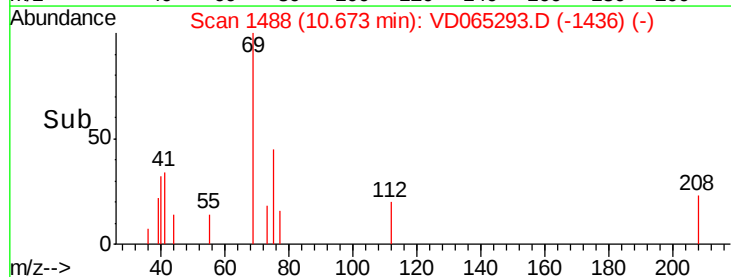
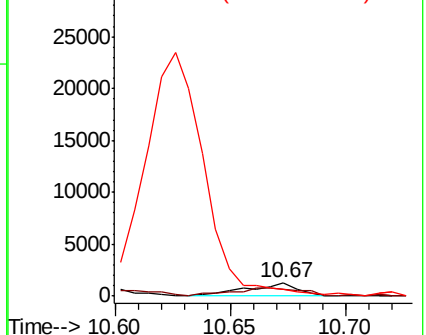
39 0.0 26.5 39.7#

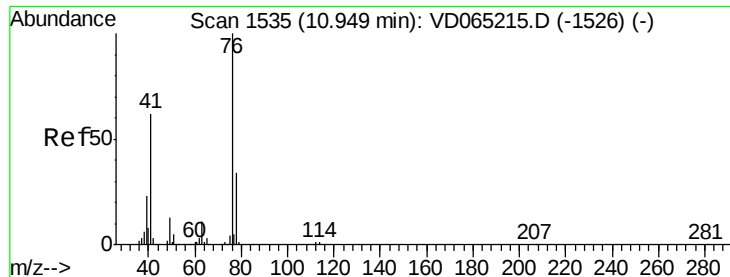


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 98.875 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

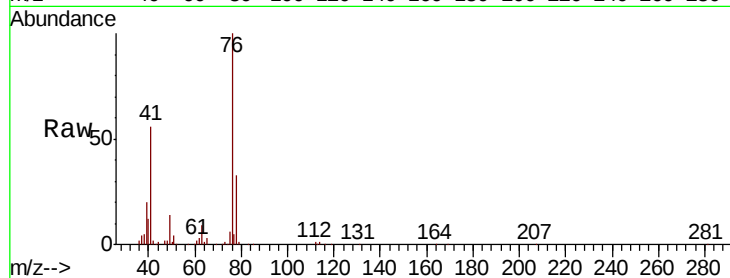
ClientSampleId :

Tot Ion: 76 Resp: 166901

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

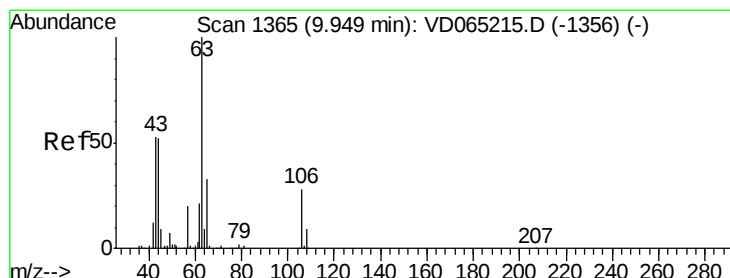
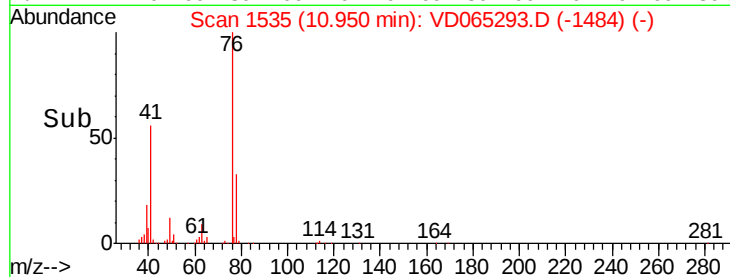
60000

40000

20000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 368.894 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065293.D

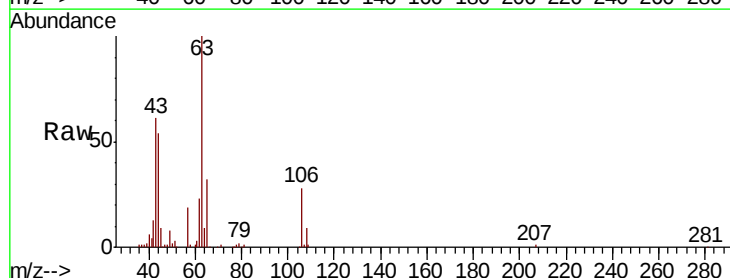
Acq: 24 Feb 2020 14:31

Tgt Ion: 63 Resp: 133135

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.95

80000

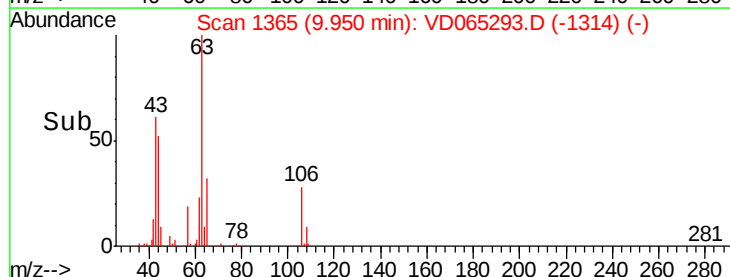
60000

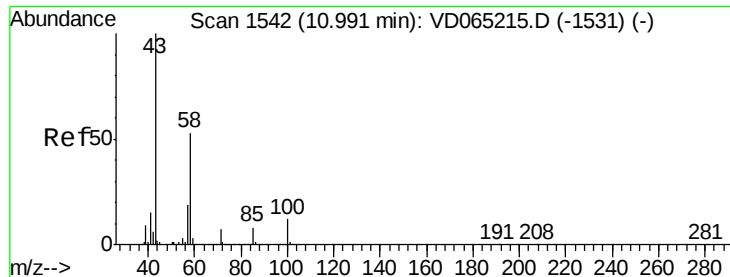
40000

20000

0

Time--> 9.90 9.95 10.00 10.10

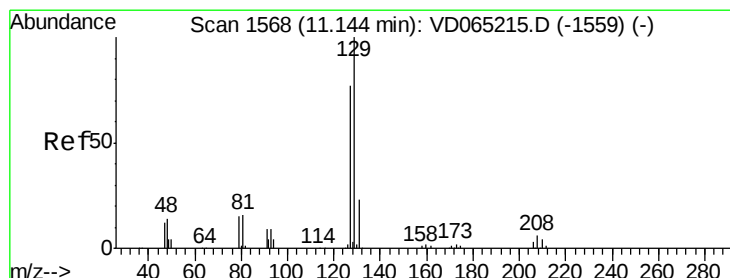
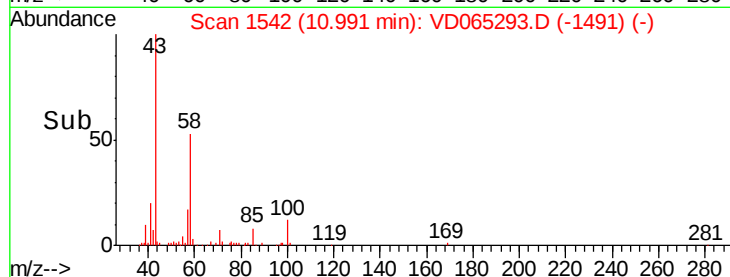
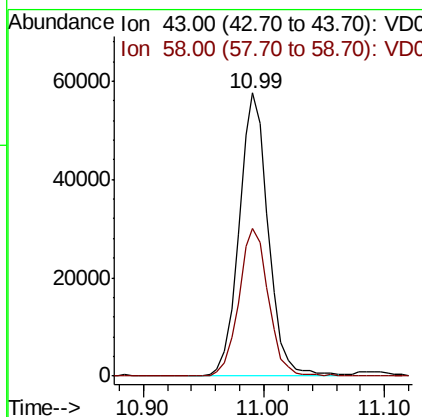
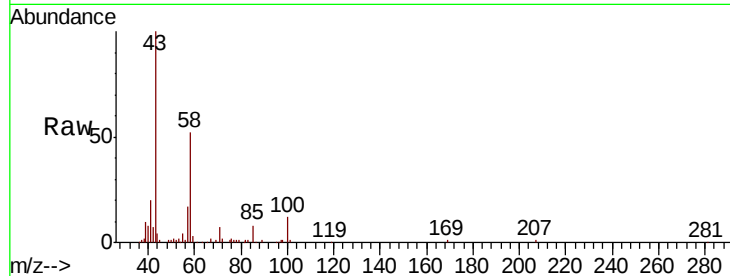




#59
2-Hexanone
Concen: 179.260 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

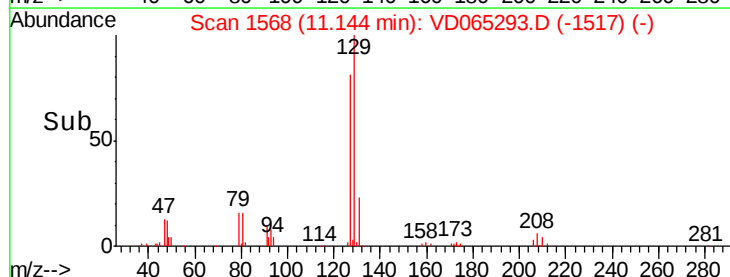
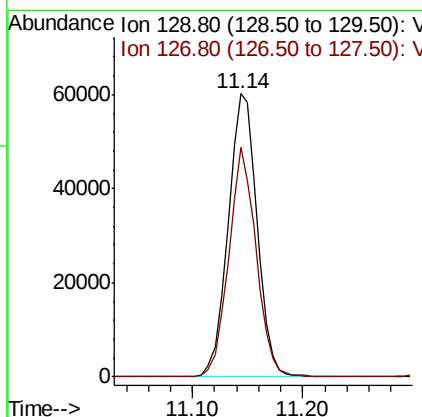
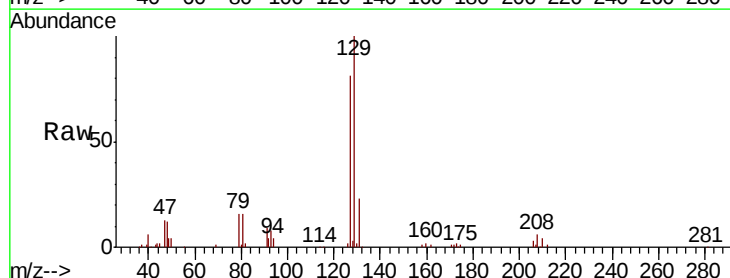
Instrument :
MSVOA_D
ClientSampleId :

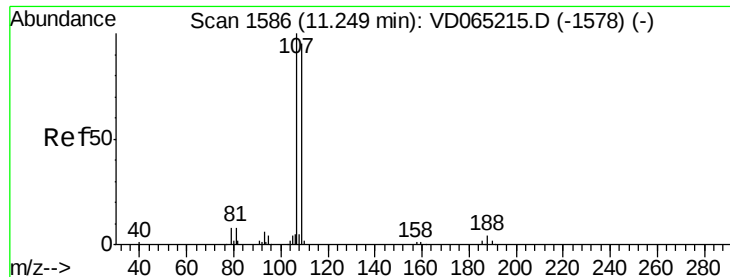
Tot Ion: 43 Resp: 96679
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.8



#60
Dibromochloromethane
Concen: 87.015 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:129 Resp: 110458
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1

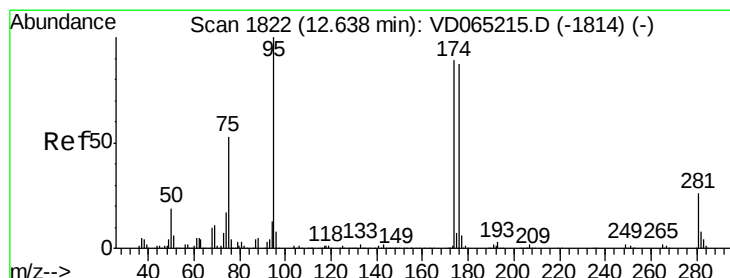
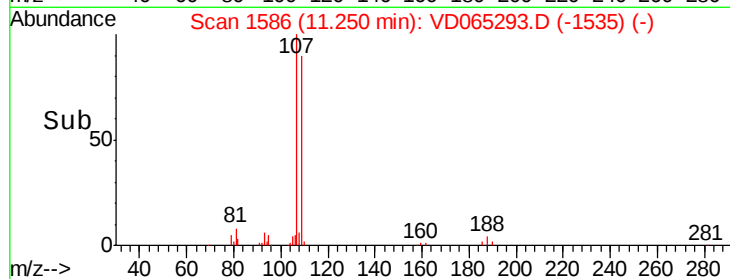
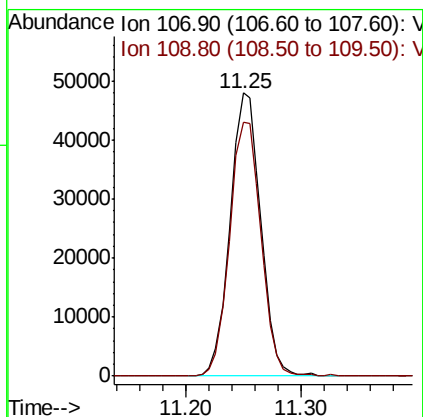
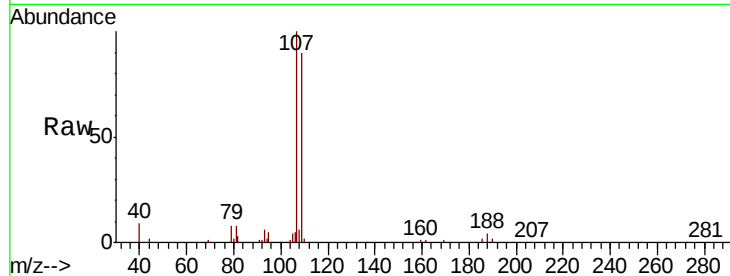




#61
 1,2-Dibromoethane
 Concen: 93.709 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

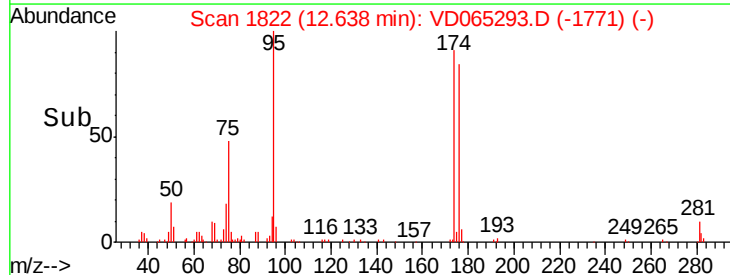
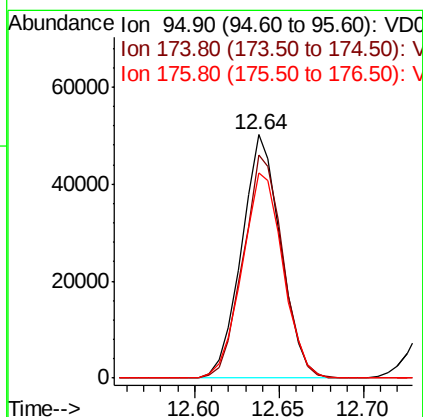
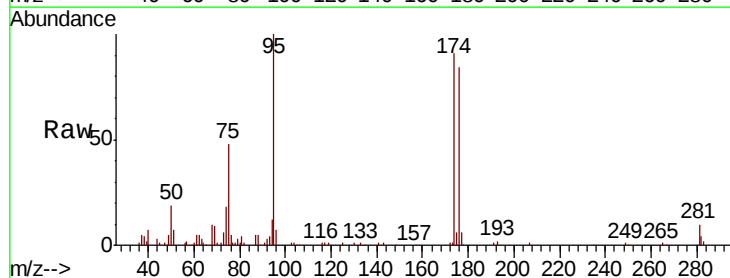
Instrument :
 MSVOA_D
 ClientSampleId :

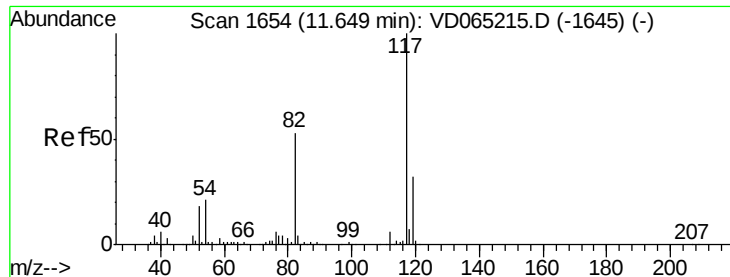
Tot Ion: 107 Resp: 87996
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 54.643 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 95 Resp: 80918
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 178.0
 176 88.1 0.0 174.4

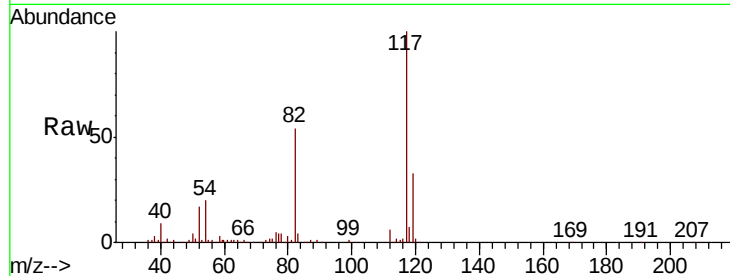




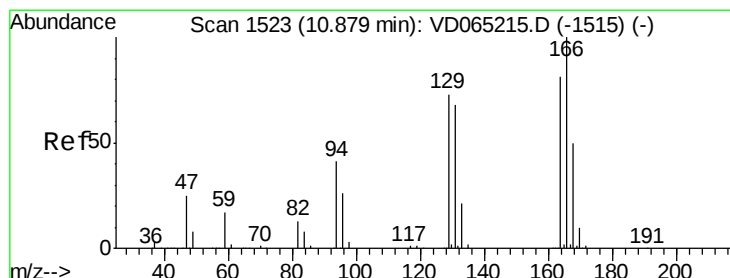
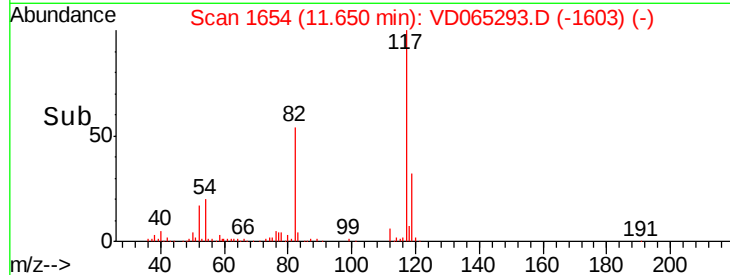
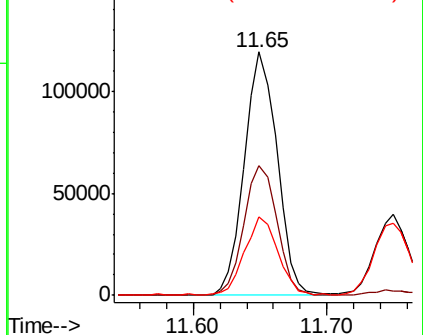
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 203389
Ion Ratio Lower Upper
117 100
82 53.5 42.7 64.1
119 32.1 25.5 38.3

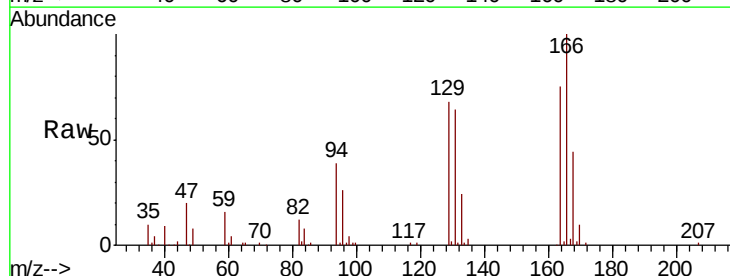


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

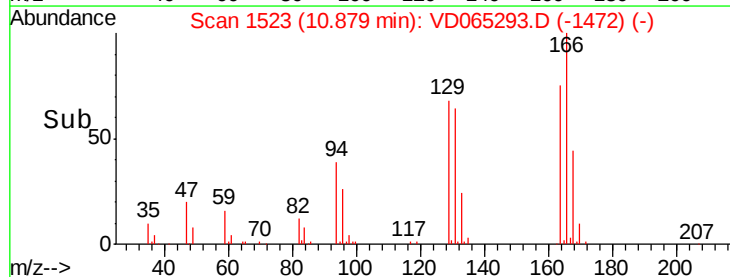
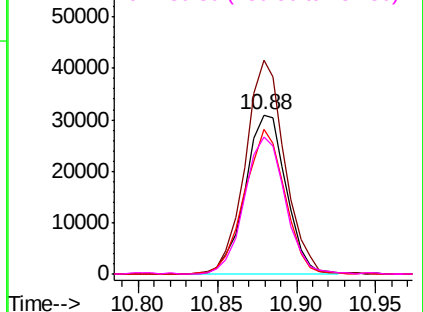


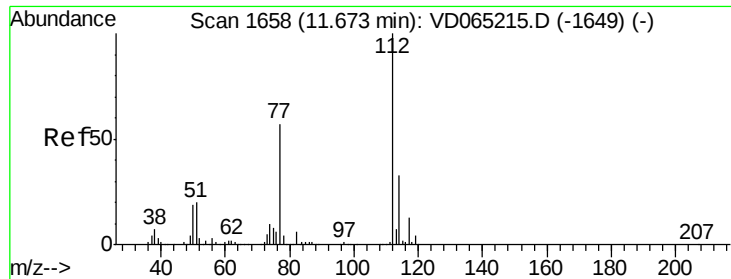
#64
Tetrachloroethene
Concen: 38.640 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:164 Resp: 55739
Ion Ratio Lower Upper
164 100
166 134.1 98.4 147.6
129 90.7 71.6 107.4
131 85.9 67.3 100.9



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

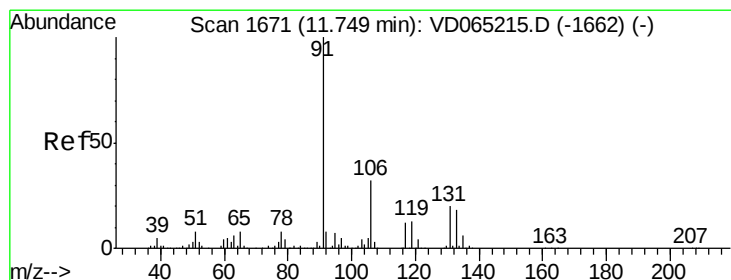
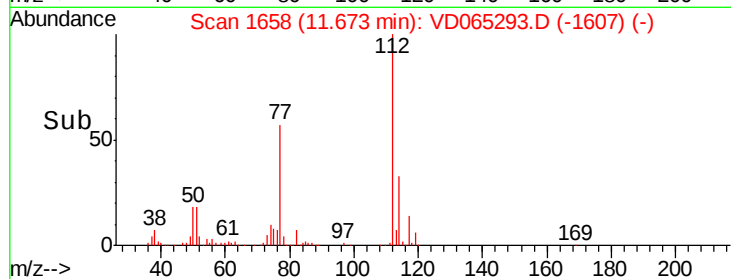
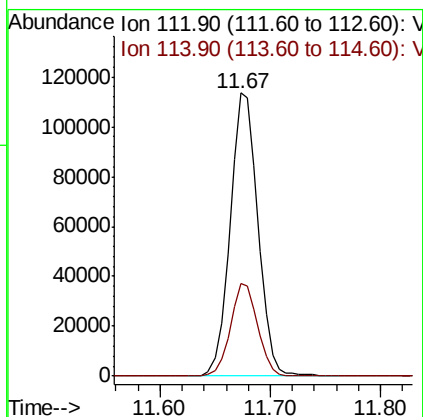
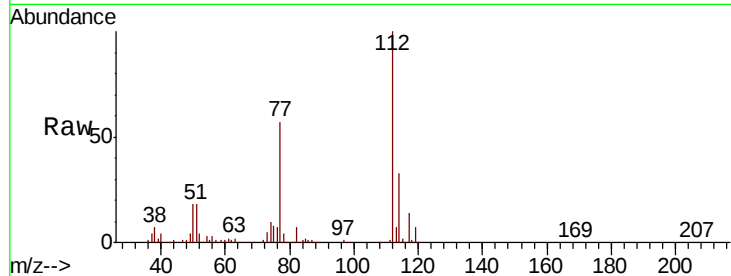




#65
Chlorobenzene
Concen: 49.034 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

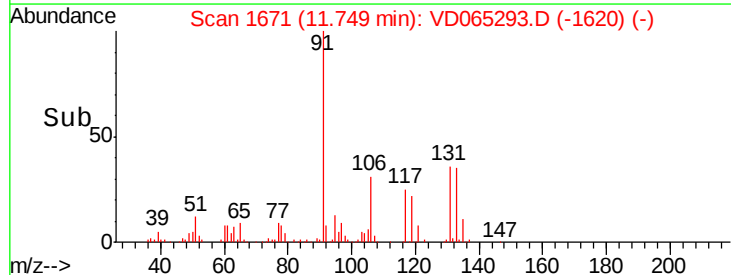
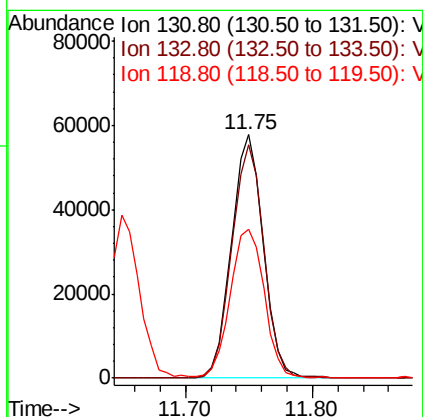
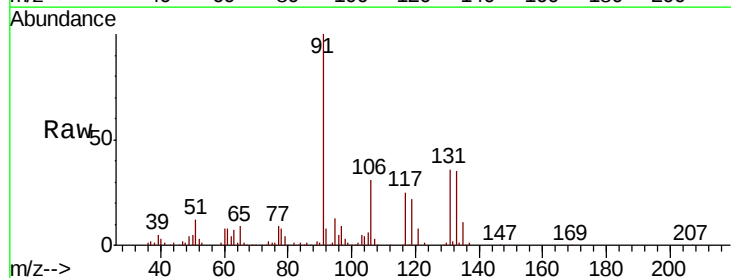
Instrument :
MSVOA_D
ClientSampled :

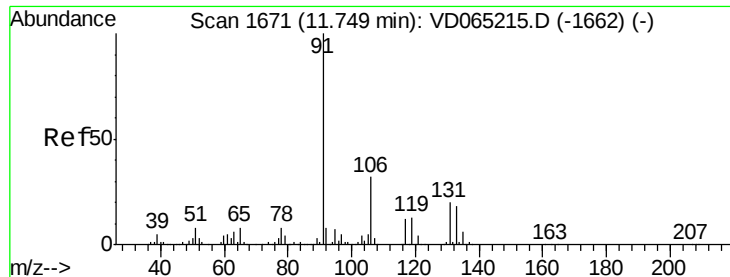
Tot Ion:112 Resp: 200131
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 65.727 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:131 Resp: 100109
Ion Ratio Lower Upper
131 100
133 96.8 47.7 143.1
119 65.9 32.7 98.1

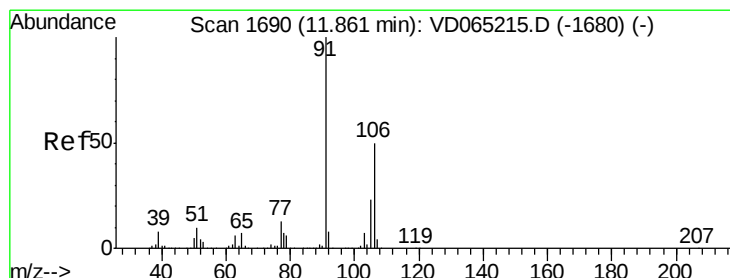
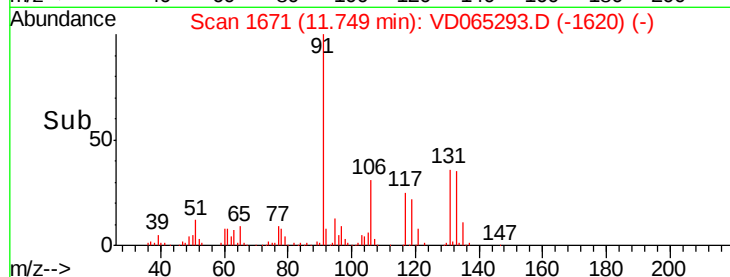
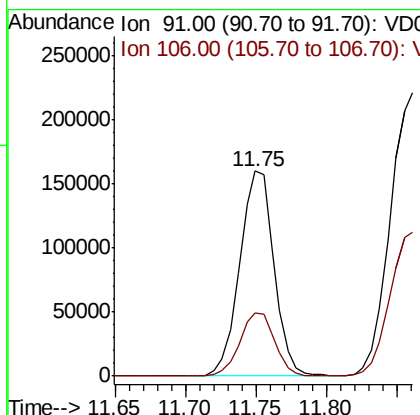
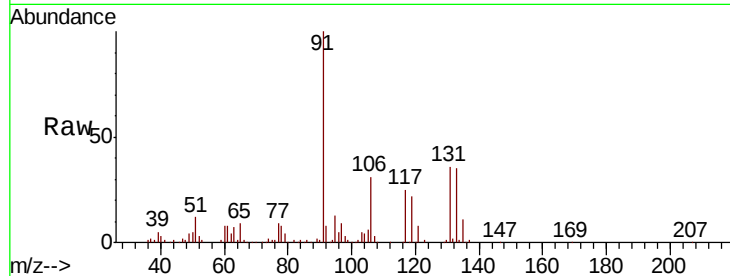




#67
Ethyl Benzene
Concen: 38.126 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

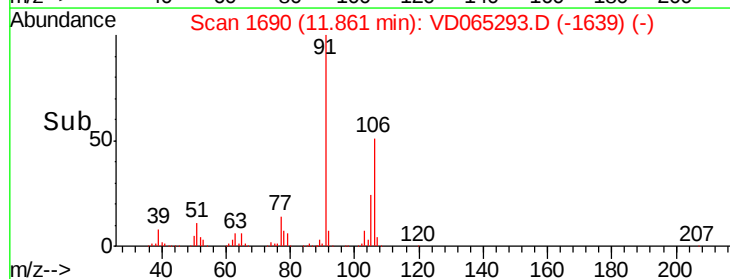
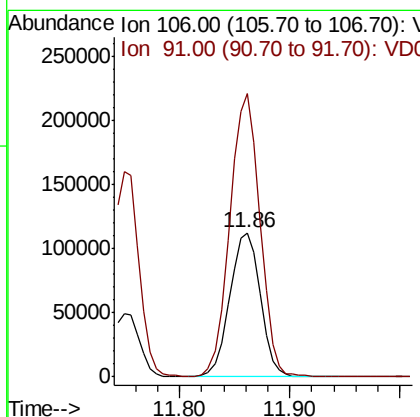
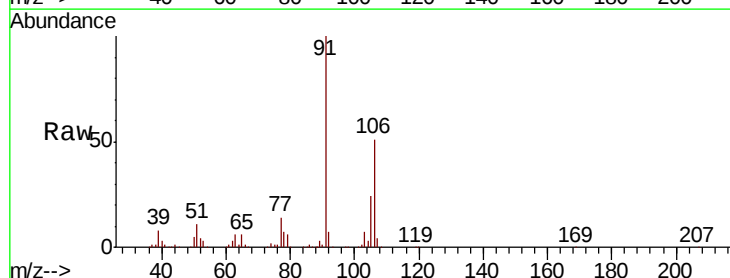
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 272539
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 80.065 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion: 106 Resp: 218968
Ion Ratio Lower Upper
106 100
91 193.4 158.2 237.4

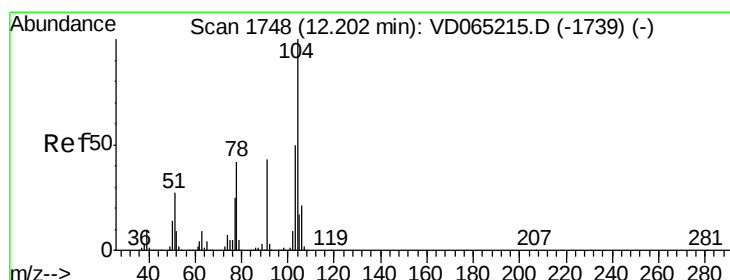
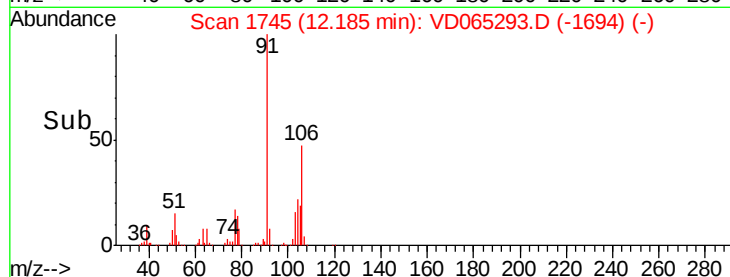
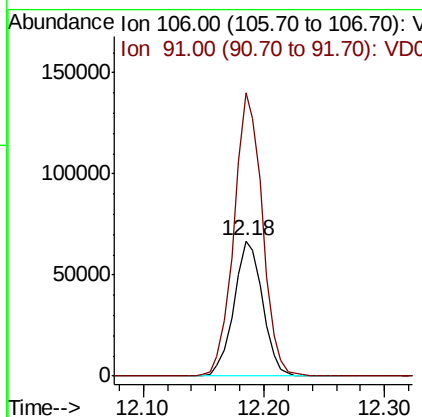
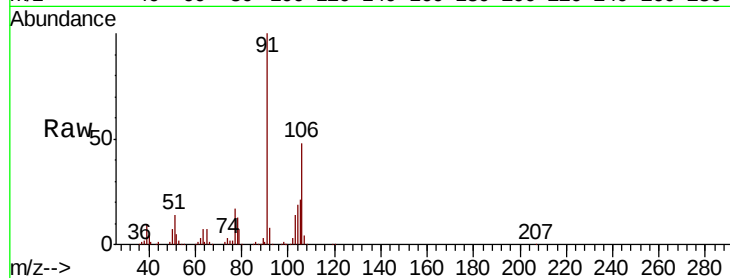




#69
o-Xylene
Concen: 45.972 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

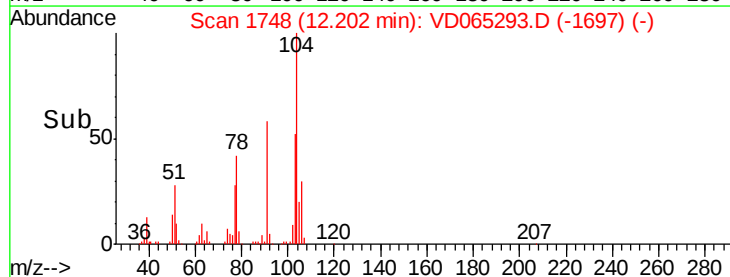
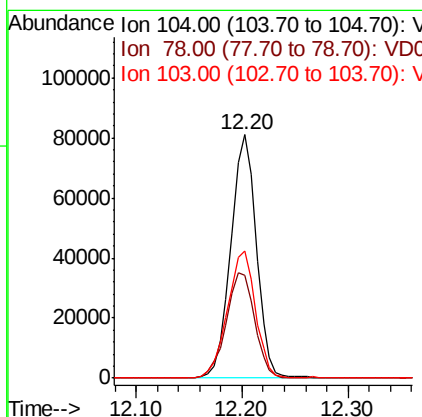
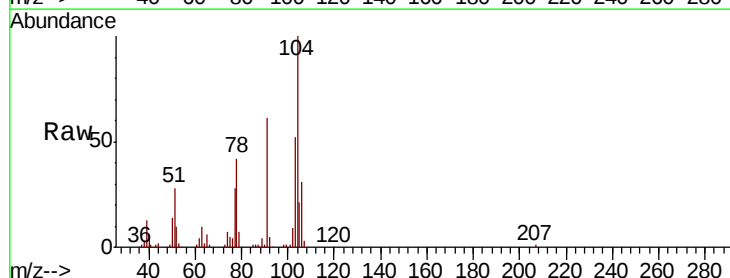
Instrument :
MSVOA_D
ClientSampleId :

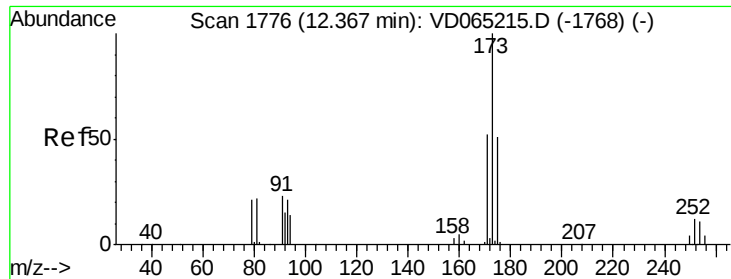
Tot Ion:106 Resp: 111390
Ion Ratio Lower Upper
106 100
91 206.8 104.7 313.9



#70
Styrene
Concen: 31.431 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:104 Resp: 135212
Ion Ratio Lower Upper
104 100
78 48.5 37.8 56.6
103 57.4 43.4 65.2





#71

Bromoform

Concen: 77.873 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

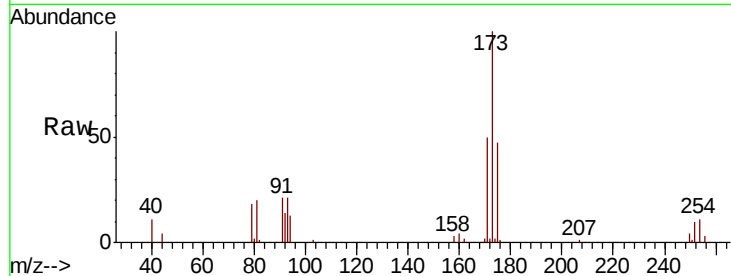
Tot Ion:173 Resp: 65817

Ion Ratio Lower Upper

173 100

175 46.4 24.4 73.4

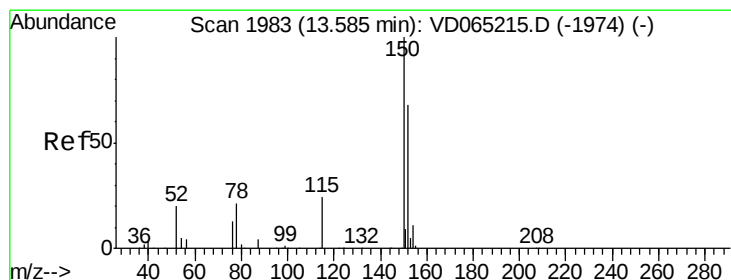
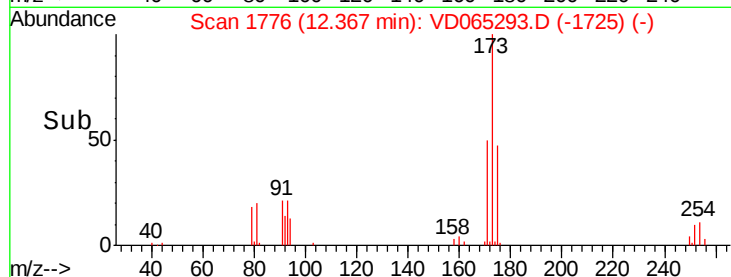
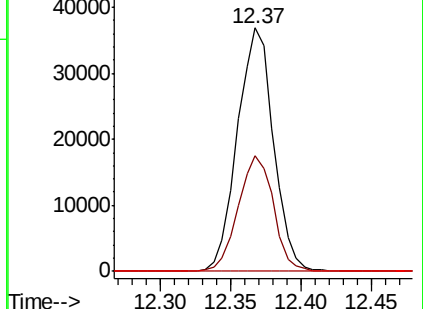
254 0.0 0.0 0.0



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: VD065293.D

Acq: 24 Feb 2020 14:31

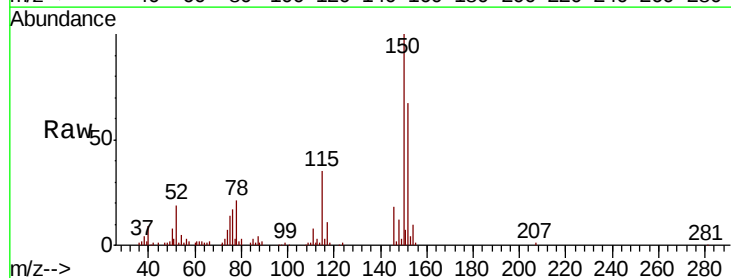
Tgt Ion:152 Resp: 81504

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

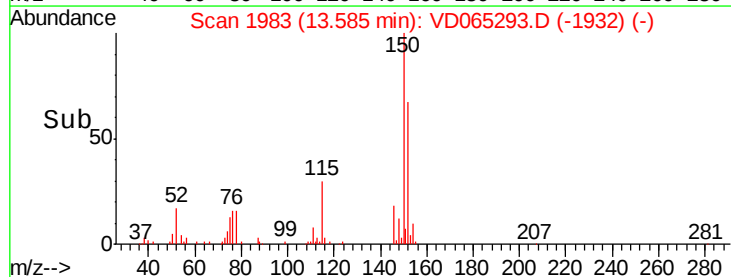
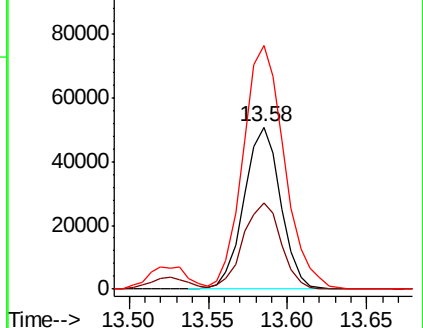
150 169.7 0.0 347.4

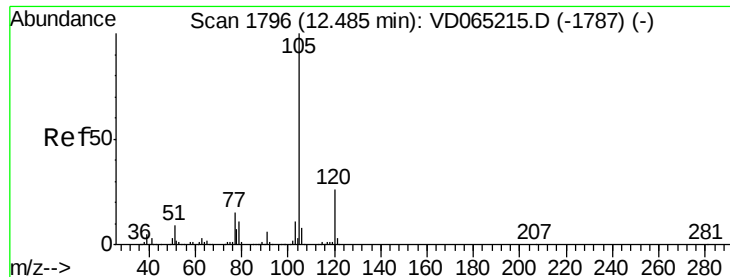


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 36.805 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

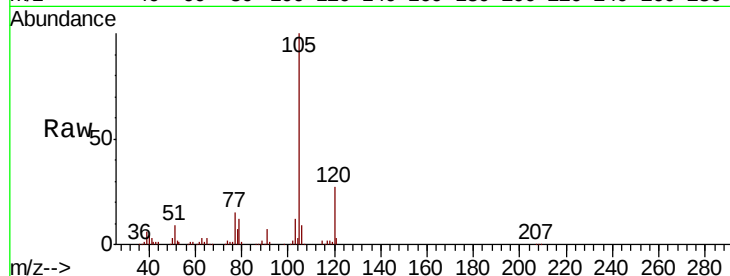
ClientSampleId :

Tot Ion: 105 Resp: 198597

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

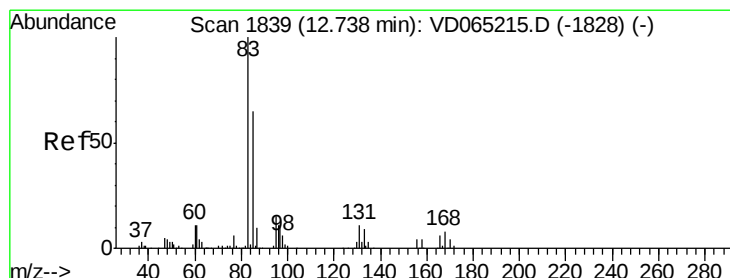
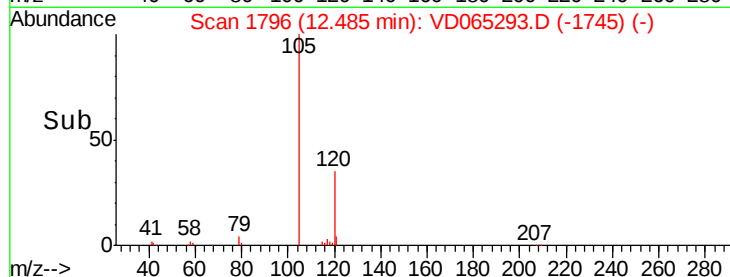
12.48

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#75

1,1,2,2-Tetrachloroethane

Concen: 113.027 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

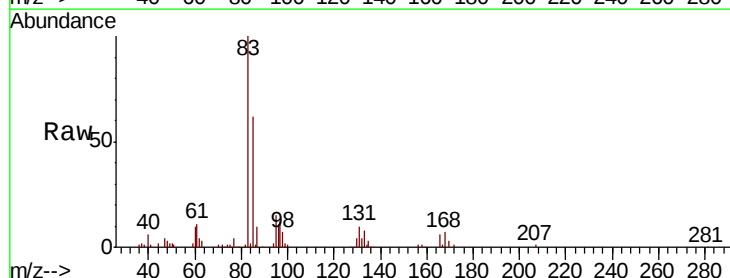
Tgt Ion: 83 Resp: 110071

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

85 64.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

12.74

80000

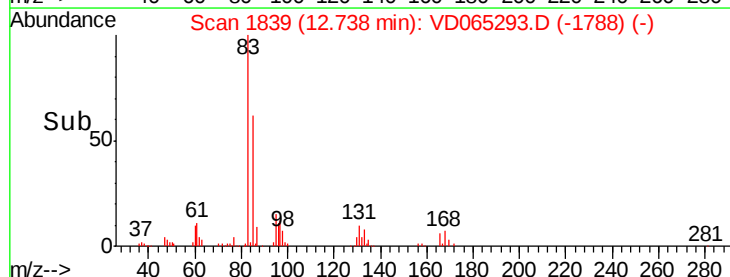
60000

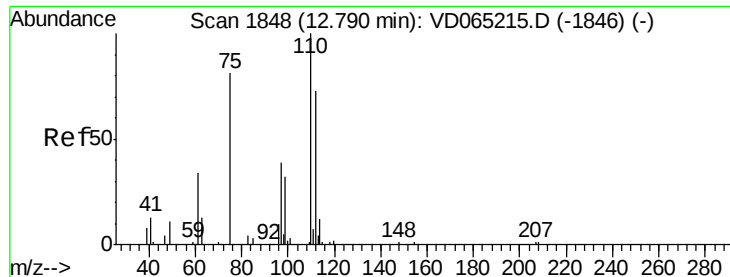
40000

20000

0

Time--> 12.65 12.70 12.75 12.80





#76

1,2,3-Trichloropropane

Concen: 152.825 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

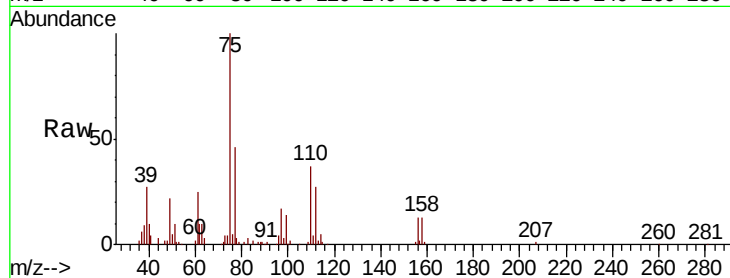
ClientSampleId :

Tot Ion: 75 Resp: 105978

Ion Ratio Lower Upper

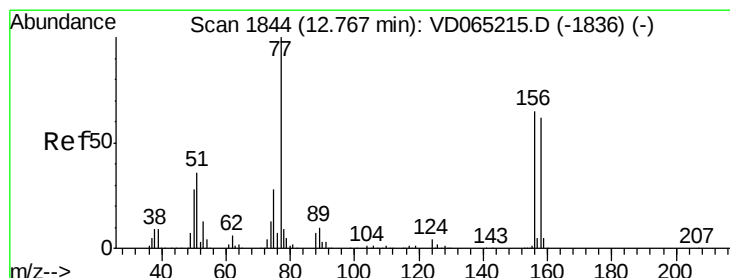
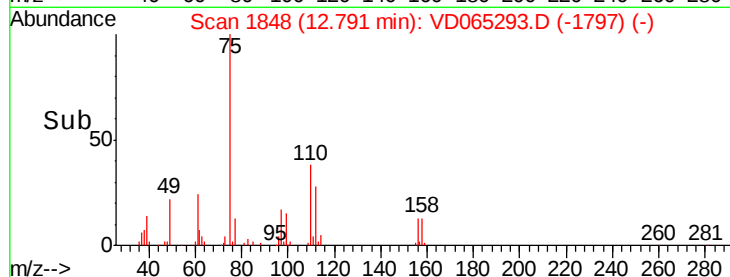
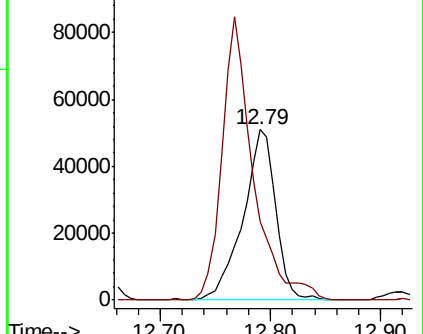
75 100

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: 66.002 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

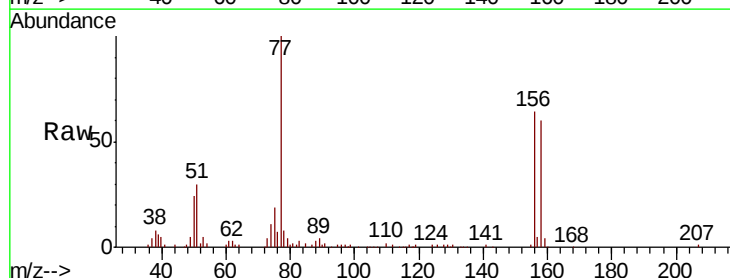
Tgt Ion: 156 Resp: 88436

Ion Ratio Lower Upper

156 100

77 189.5 86.6 259.7

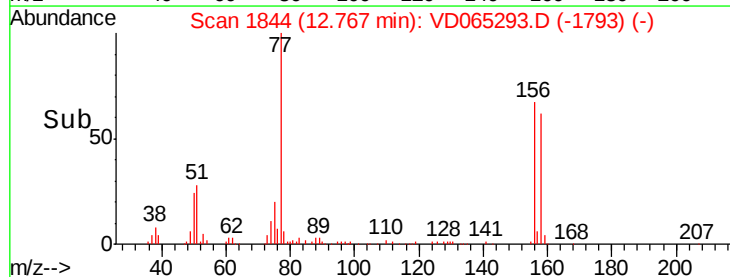
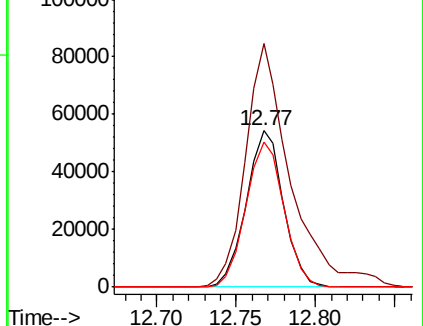
158 95.5 48.1 144.3

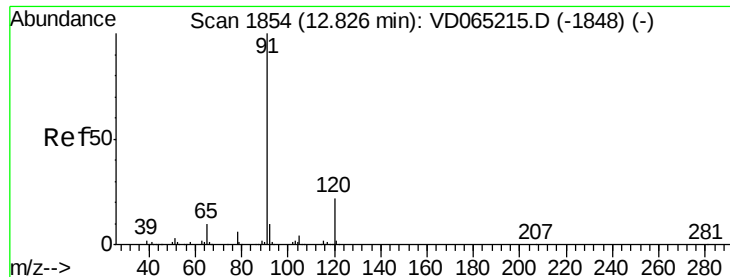


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 32.282 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

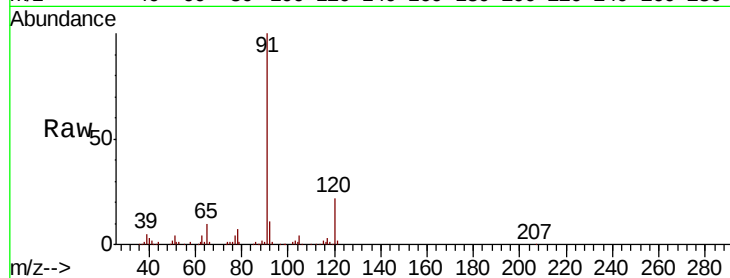
ClientSampled :

Tot Ion: 91 Resp: 209331

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.83

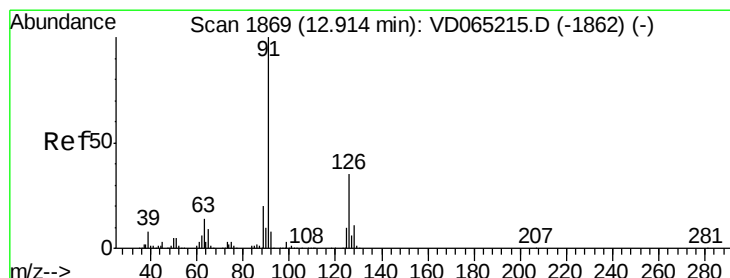
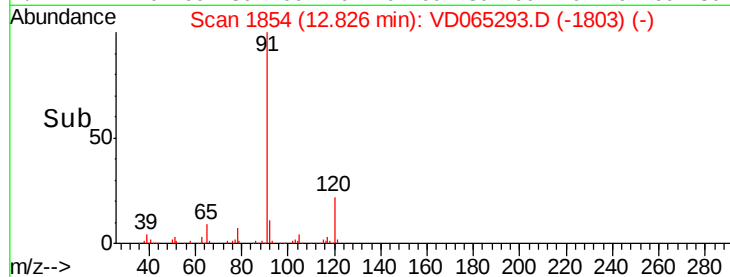
150000

100000

50000

0

Time--> 12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 44.436 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065293.D

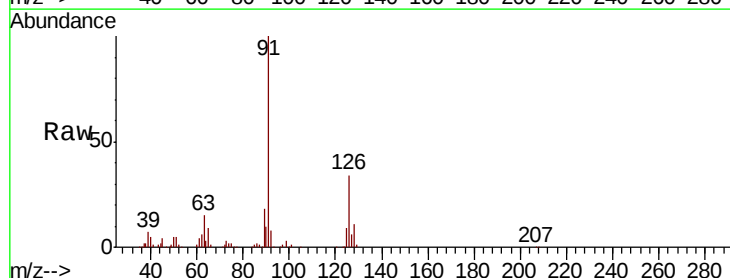
Acq: 24 Feb 2020 14:31

Tgt Ion: 91 Resp: 161420

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

12.91

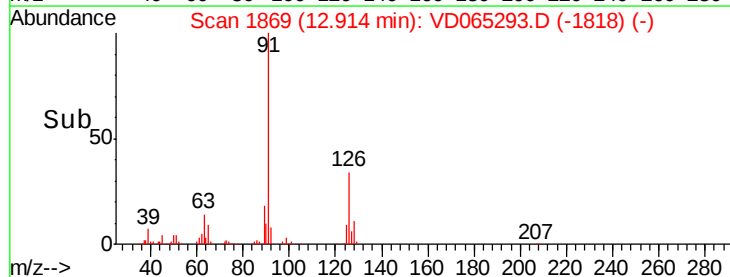
150000

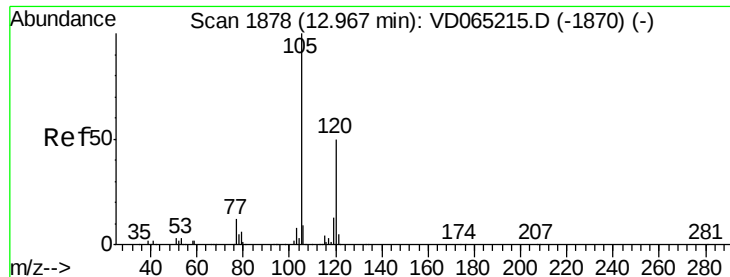
100000

50000

0

Time--> 12.85 12.90 12.95

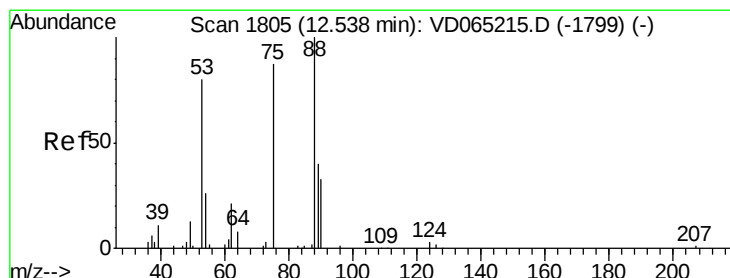
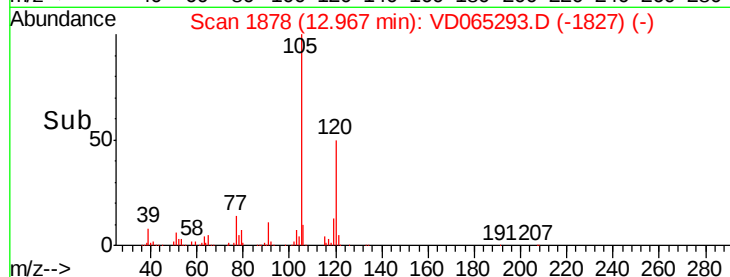
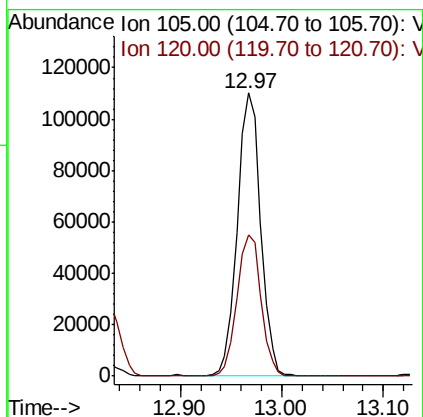
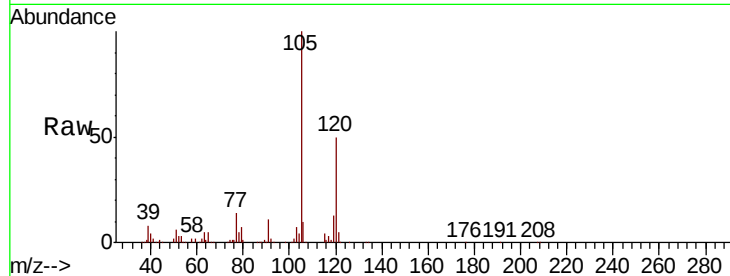




#80
 1,3,5-Trimethylbenzene
 Concen: 39.688 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

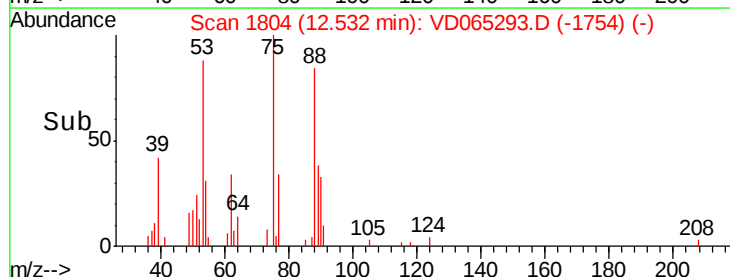
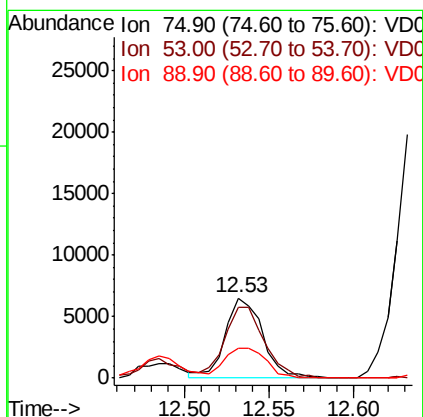
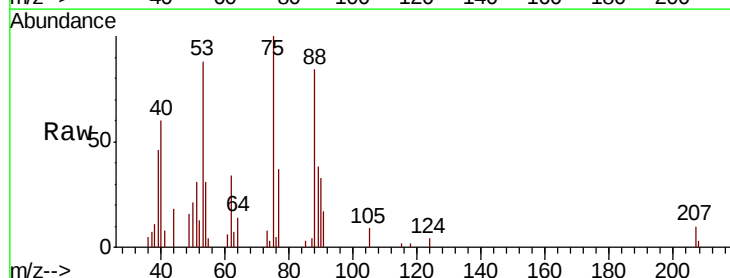
Instrument :
 MSVOA_D
 ClientSampleID :

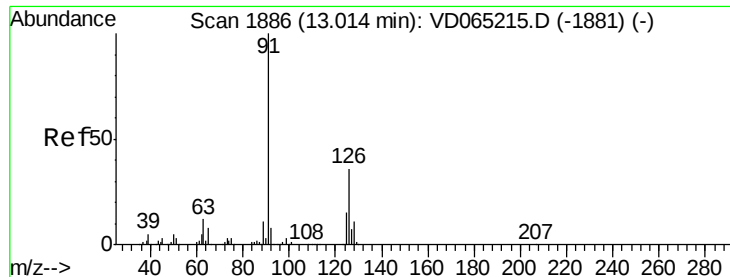
Tot Ion:105 Resp: 176383
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 31.516 ug/l
 RT: 12.53 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 75 Resp: 10122
 Ion Ratio Lower Upper
 75 100
 53 92.9 77.6 116.4
 89 41.0 37.2 55.8





#82

4-Chlorotoluene

Concen: 45.396 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

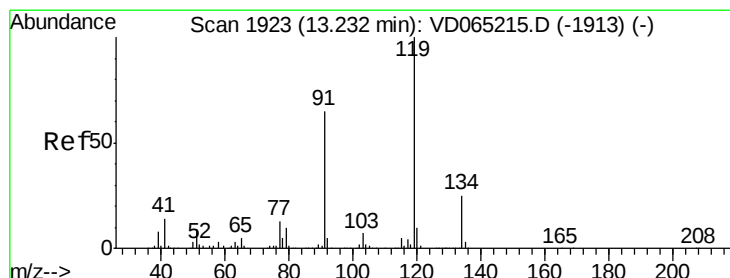
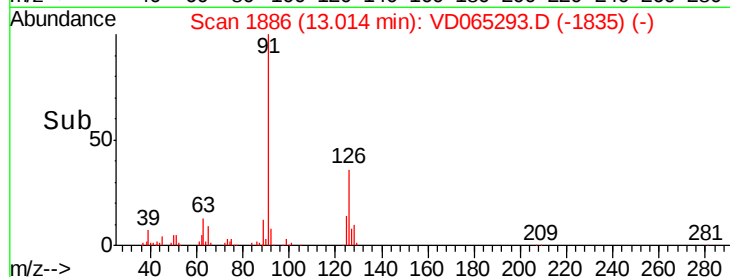
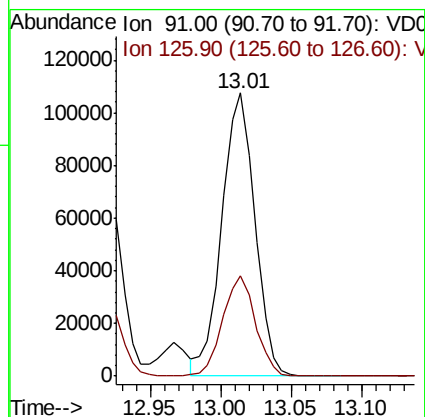
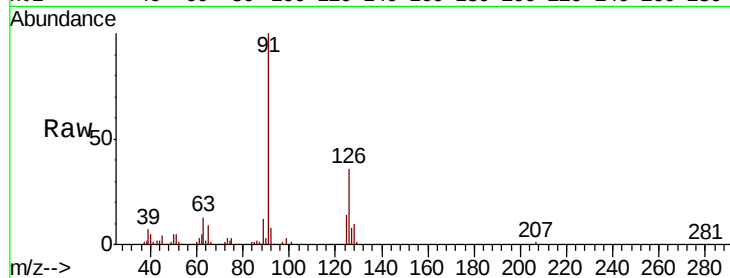
ClientSampled :

Tot Ion: 91 Resp: 175071

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#83

tert-Butylbenzene

Concen: 33.468 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

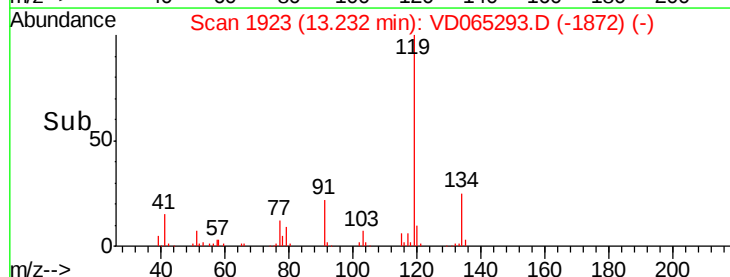
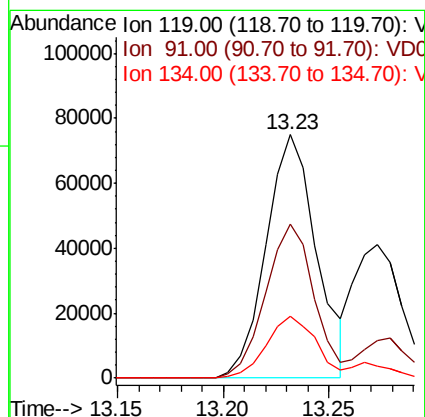
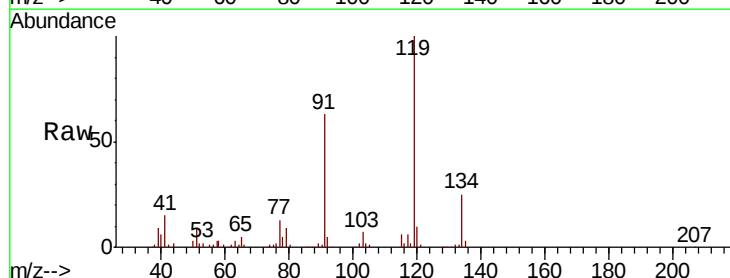
Tgt Ion: 119 Resp: 124663

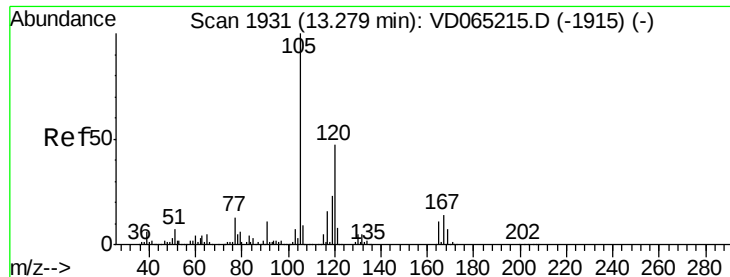
Ion Ratio Lower Upper

119 100

91 60.6 31.9 95.5

134 24.9 13.8 41.3

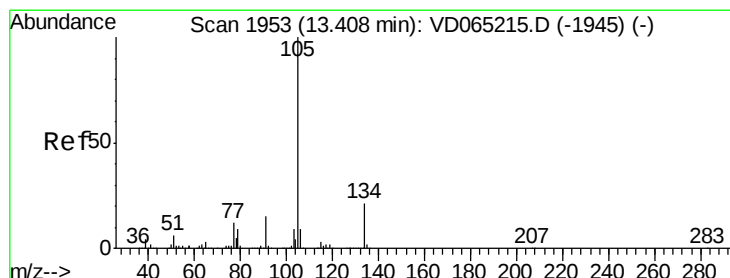
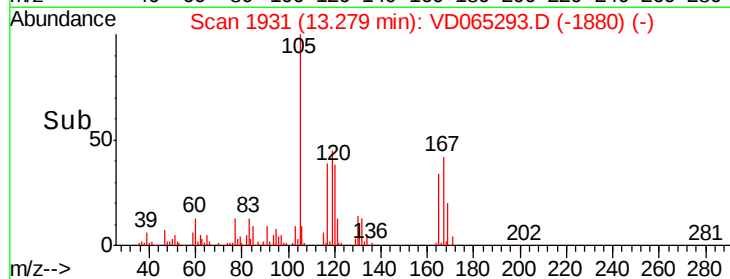
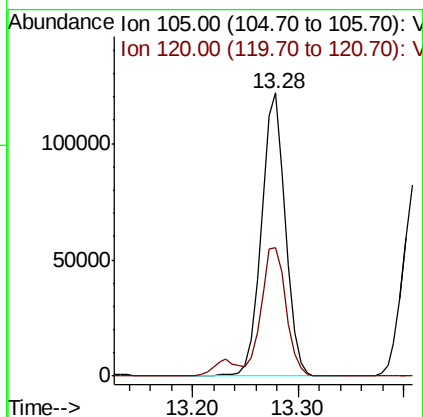
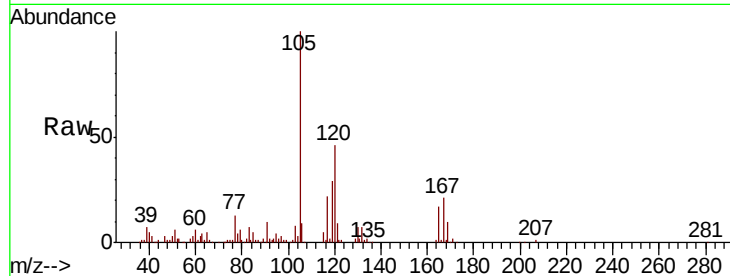




#84
 1,2,4-Trimethylbenzene
 Concen: 43.056 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

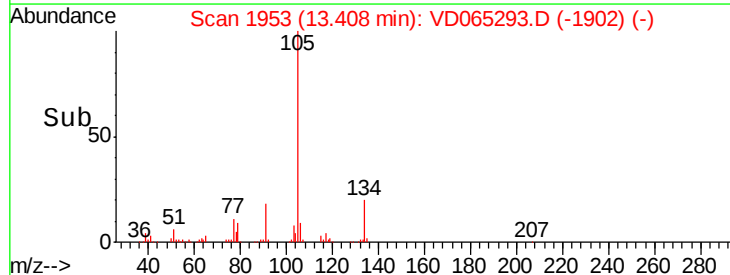
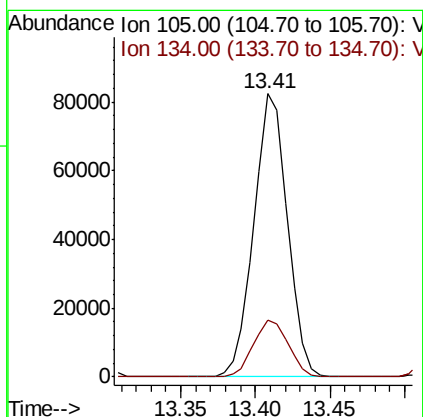
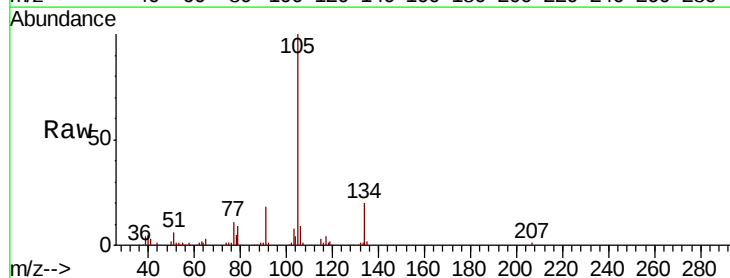
Instrument :
 MSVOA_D
 ClientSampleId :

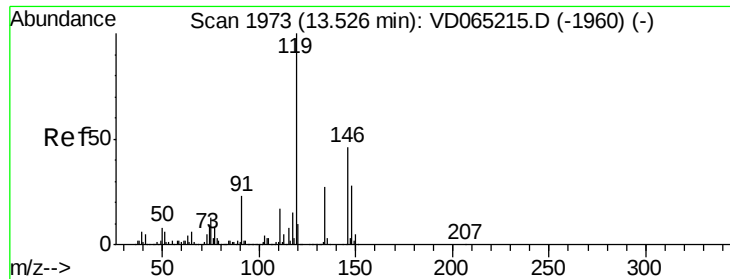
Tot Ion:105 Resp: 191529
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 23.799 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion:105 Resp: 127739
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.9

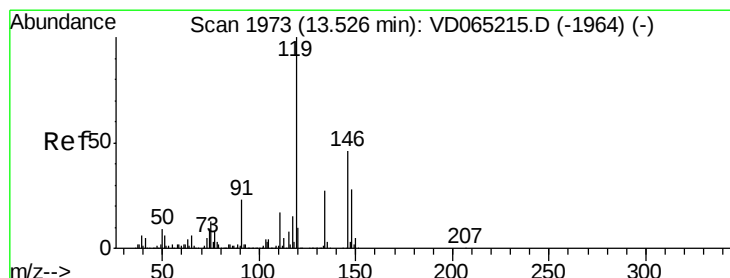
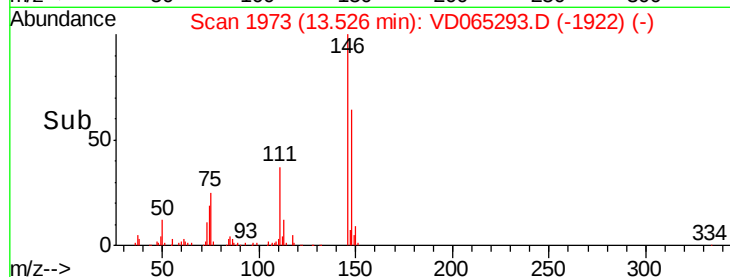
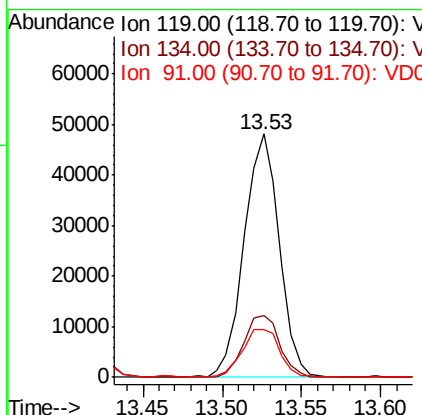
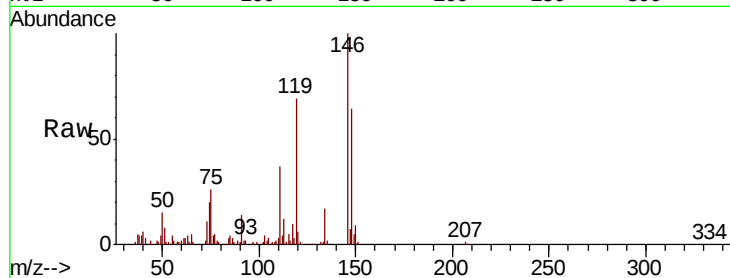




#86
p-Isopropyltoluene
Concen: 15.090 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

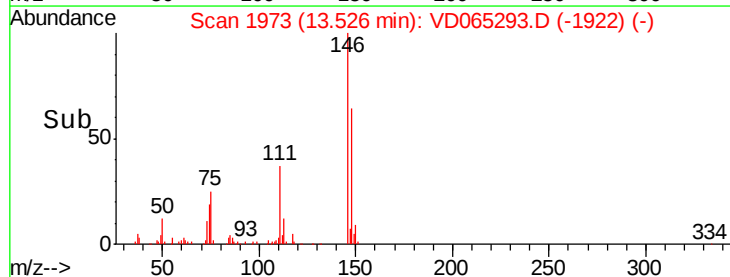
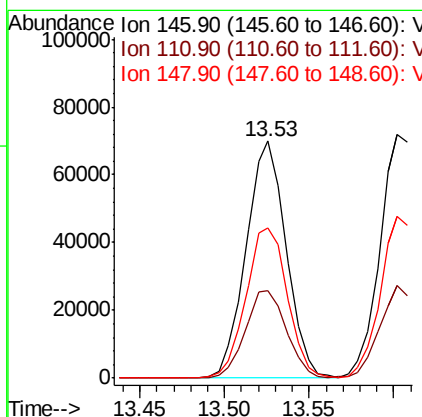
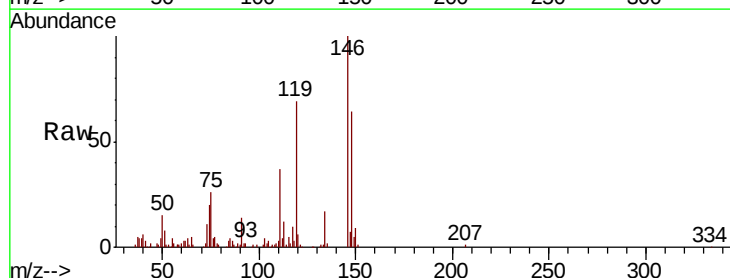
Instrument :
MSVOA_D
ClientSampleId :

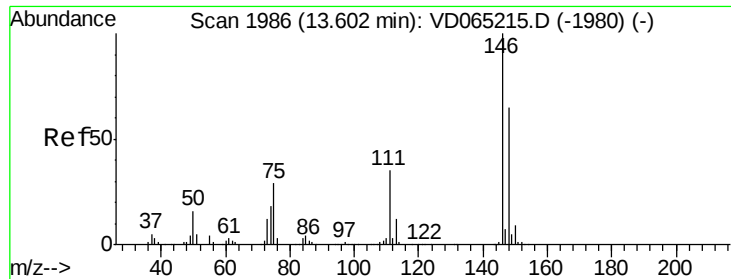
Tot Ion:119 Resp: 74066
Ion Ratio Lower Upper
119 100
134 26.1 13.3 39.8
91 21.5 11.1 33.1



#87
1,3-Dichlorobenzene
Concen: 44.338 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:146 Resp: 114851
Ion Ratio Lower Upper
146 100
111 37.6 18.6 55.8
148 65.6 31.4 94.3

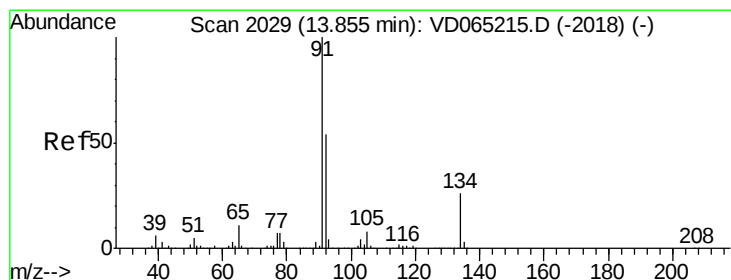
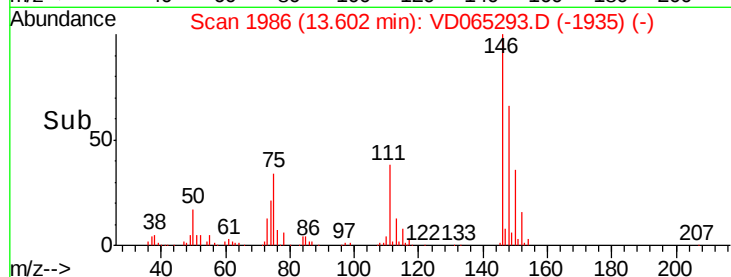
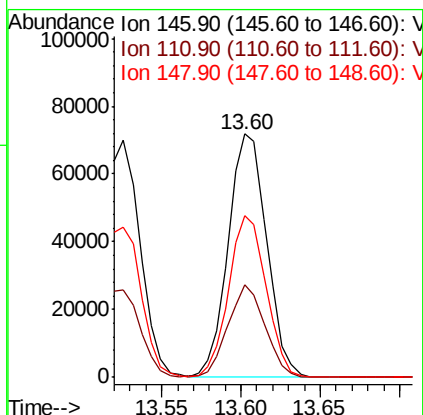
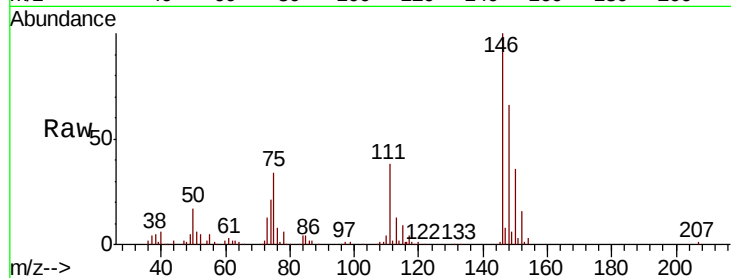




#88
 1,4-Dichlorobenzene
 Concen: 47.233 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

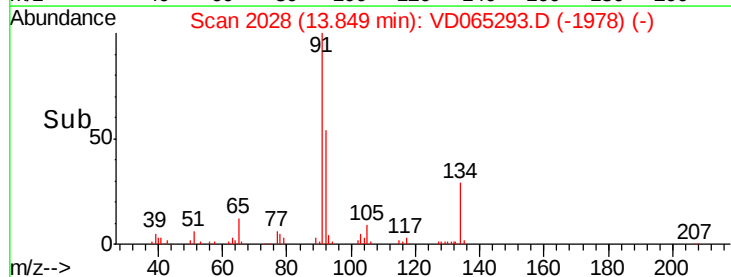
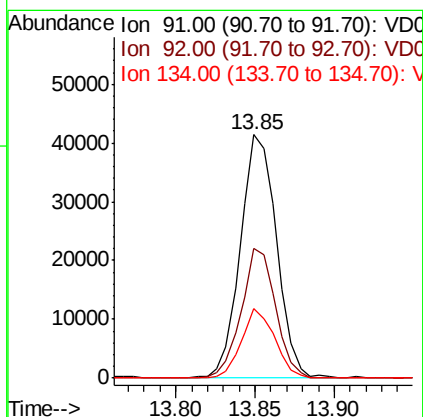
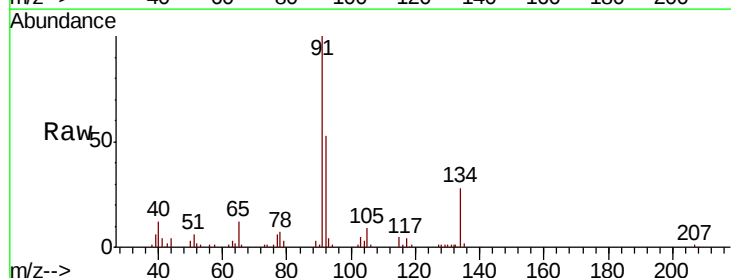
Instrument :
 MSVOA_D
 ClientSampleId :

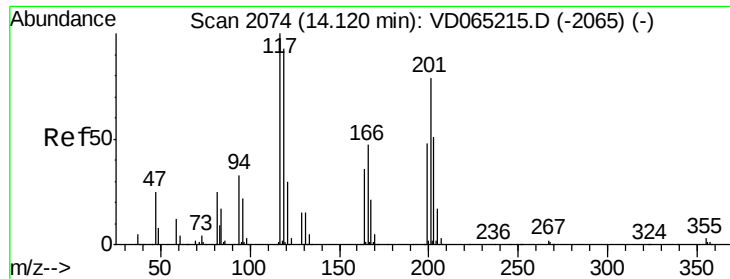
Tot Ion:146 Resp: 120754
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.2
 148 64.8 32.1 96.5



#89
 n-Butylbenzene
 Concen: 14.531 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 91 Resp: 65724
 Ion Ratio Lower Upper
 91 100
 92 50.4 27.0 80.8
 134 26.2 13.5 40.4

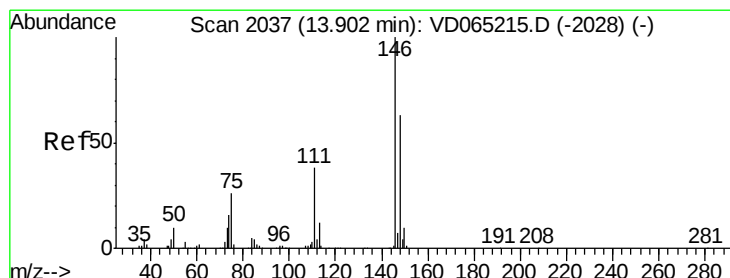
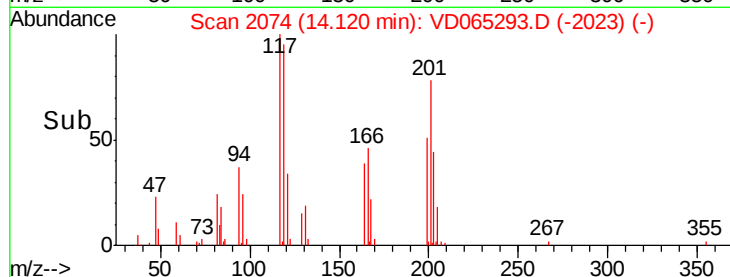
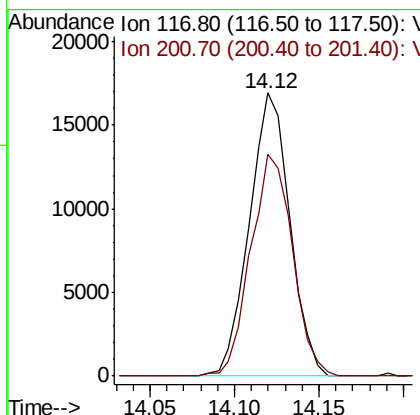
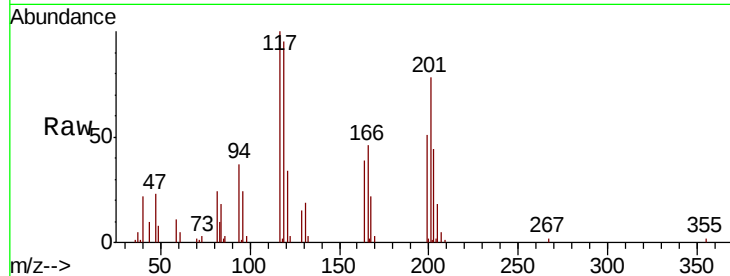




#90
Hexachloroethane
Concen: 28.385 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

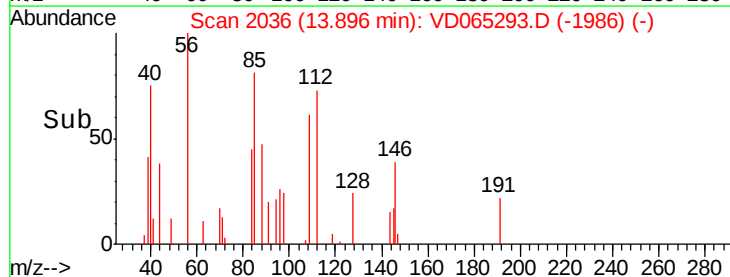
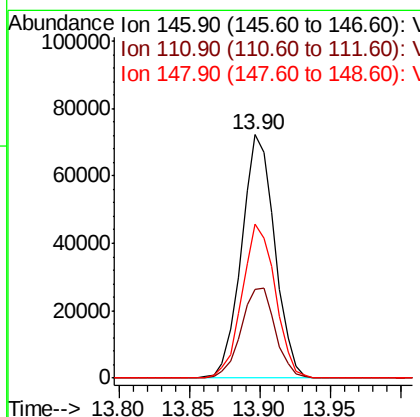
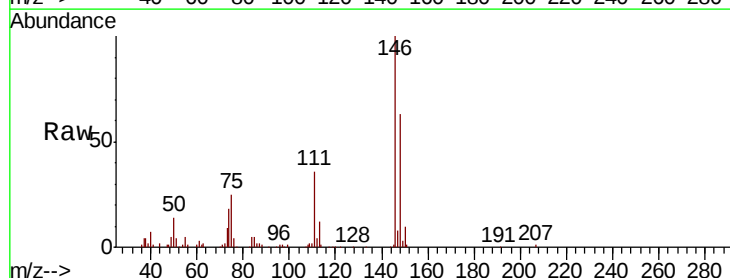
Instrument :
MSVOA_D
ClientSampleId :

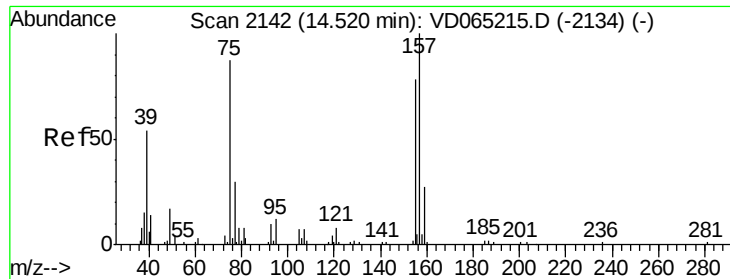
Tot Ion:117 Resp: 28289
Ion Ratio Lower Upper
117 100
201 80.7 41.3 124.1



#91
1,2-Dichlorobenzene
Concen: 53.374 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065293.D
Acq: 24 Feb 2020 14:31

Tgt Ion:146 Resp: 118711
Ion Ratio Lower Upper
146 100
111 38.1 19.7 59.0
148 63.5 32.0 96.2

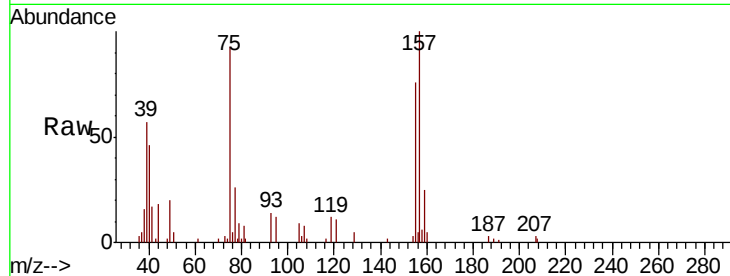




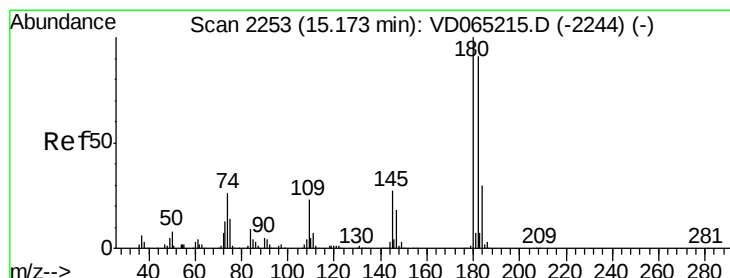
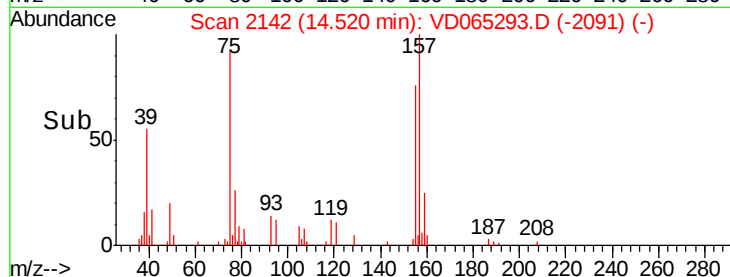
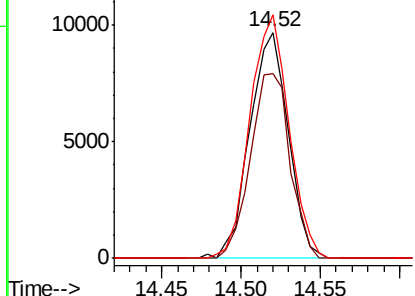
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.132 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 75 Resp: 16378
 Ion Ratio Lower Upper
 75 100
 155 83.8 42.3 126.9
 157 109.1 56.7 170.1

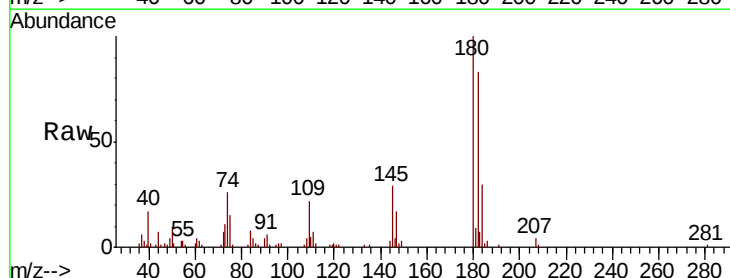


Abundance Ion 74.90 (74.60 to 75.60): VD
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

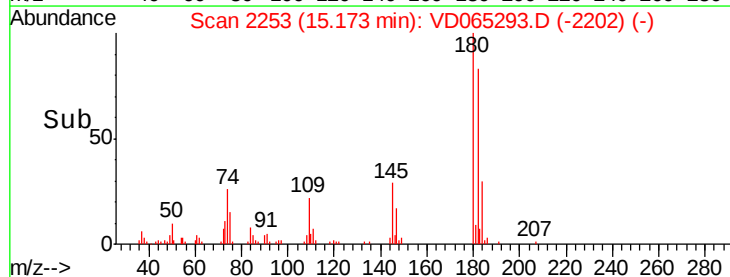
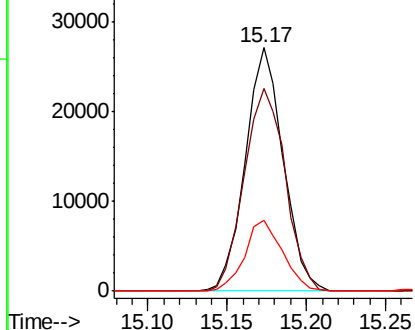


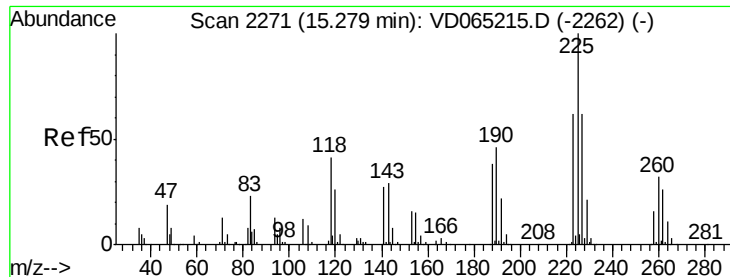
#93
 1,2,4-Trichlorobenzene
 Concen: 30.970 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Tgt Ion: 180 Resp: 45056
 Ion Ratio Lower Upper
 180 100
 182 90.1 46.9 140.6
 145 29.2 13.9 41.7



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





#94

Hexachlorobutadiene

Concen: 11.232 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

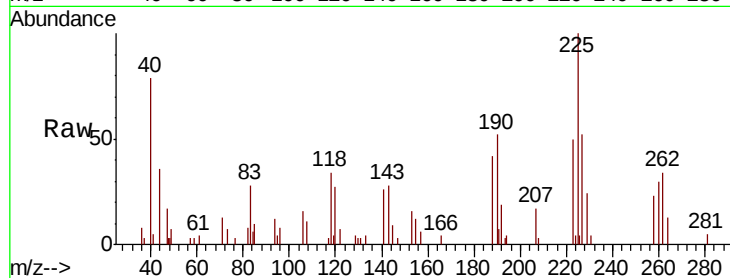
Tot Ion:225 Resp: 10482

Ion Ratio Lower Upper

225 100

223 59.4 31.4 94.2

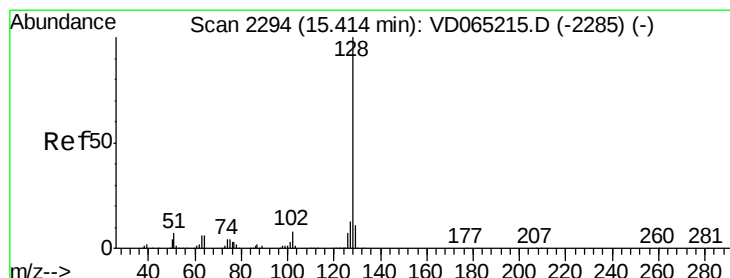
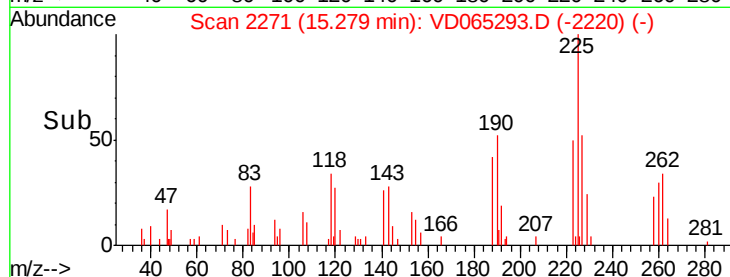
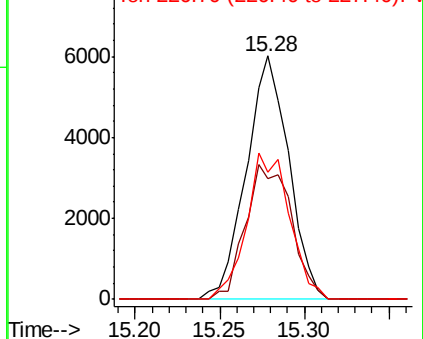
227 60.8 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 44.569 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065293.D

Acq: 24 Feb 2020 14:31

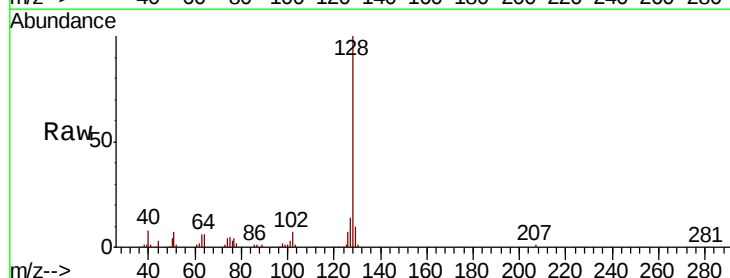
Tgt Ion:128 Resp: 105411

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

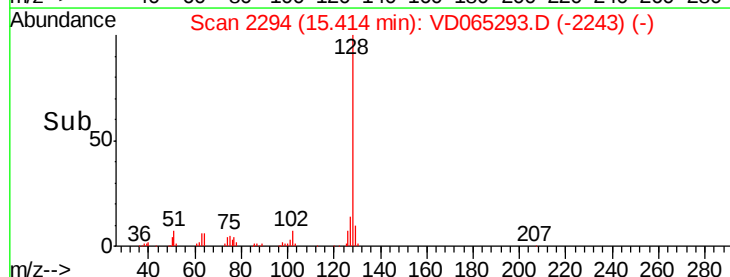
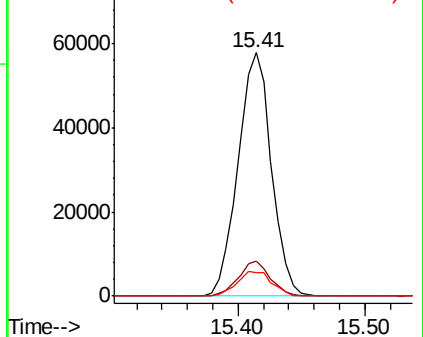
129 10.6 8.8 13.2

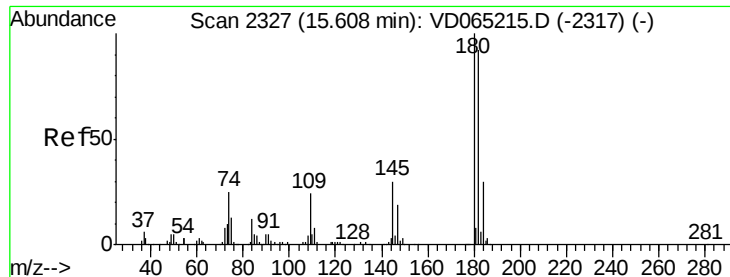


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 31.852 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VD065293.D
 Acq: 24 Feb 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.6
145	31.6	15.4	46.1

