

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065235.D
 Acq On : 19 Feb 2020 13:29
 Operator : VA/SY
 Sample : VD0219SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:40:44 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	7.99	168	473319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304575	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	221400	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.92	113	228932	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
50) Toluene-d8	10.34	98	901907	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
62) 4-Bromofluorobenzene	12.64	95	281476	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	74774	18.835	ug/l	97
3) Chloromethane	2.21	50	100991	19.986	ug/l	97
4) Vinyl Chloride	2.35	62	103430	20.130	ug/l	96
5) Bromomethane	2.76	94	63073	20.302	ug/l	92
6) Chloroethane	2.92	64	64159	20.456	ug/l	95
7) Trichlorofluoromethane	3.27	101	150432	20.449	ug/l	95
8) Diethyl Ether	3.70	74	43492	19.586	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95383	20.532	ug/l	99
10) Methyl Iodide	4.29	142	91616	18.994	ug/l	98
11) Tert butyl alcohol	5.26	59	22728	89.325	ug/l	99
12) 1,1-Dichloroethene	4.06	96	88563	20.181	ug/l	97
13) Acrolein	3.93	56	41266	116.818	ug/l	96
14) Allyl chloride	4.71	41	146848	20.606	ug/l	98
15) Acrylonitrile	5.44	53	99826	101.542	ug/l	99
16) Acetone	4.17	43	93676	89.998	ug/l	100
17) Carbon Disulfide	4.40	76	304460	20.694	ug/l	99
18) Methyl Acetate	4.72	43	49642	21.205	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	182503	19.943	ug/l	94
20) Methylene Chloride	4.97	84	110061	21.087	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	104633	20.974	ug/l	99
22) Diisopropyl ether	6.37	45	288121	20.973	ug/l	99
23) Vinyl Acetate	6.31	43	758207	100.111	ug/l	98
24) 1,1-Dichloroethane	6.27	63	175443	20.589	ug/l	98
25) 2-Butanone	7.22	43	121074	91.937	ug/l	98
26) 2,2-Dichloropropane	7.21	77	150946	20.417	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105466	19.958	ug/l	98
28) Bromochloromethane	7.55	49	57596	18.219	ug/l	97
29) Tetrahydrofuran	7.57	42	79564	103.113	ug/l	97
30) Chloroform	7.71	83	177249	20.647	ug/l	94
31) Cyclohexane	7.99	56	168295	20.101	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	160366	20.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	140474	20.647	ug/l	100
37) Ethyl Acetate	7.30	43	55713	19.588	ug/l	99
38) Carbon Tetrachloride	8.10	117	144950	20.929	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162843	20.359	ug/l	99
40) Benzene	8.36	78	404970	21.088	ug/l	100
41) Methacrylonitrile	7.53	41	35406	21.560	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	108343	20.522	ug/l	100
43) Isopropyl Acetate	8.46	43	103781	20.065	ug/l	98
44) Trichloroethene	9.11	130	110505	20.759	ug/l	100
45) 1,2-Dichloropropane	9.39	63	97235	20.363	ug/l	97
46) Dibromomethane	9.48	93	51375	20.910	ug/l	100
47) Bromodichloromethane	9.67	83	133789	20.663	ug/l	97
48) Methyl methacrylate	9.46	41	49618	20.755	ug/l	98
49) 1,4-Dioxane	9.47	88	13152	456.414	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	267726	101.914	ug/l	98
52) Toluene	10.41	92	257561	21.668	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122816	20.464	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	148299	20.463	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	68647	19.851	ug/l	98
56) Ethyl methacrylate	10.67	69	78954	19.781	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121184	20.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113137	89.907	ug/l	100
59) 2-Hexanone	10.99	43	183219	97.431	ug/l	98
60) Dibromochloromethane	11.14	129	90512	20.449	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67900	20.738	ug/l	98
64) Tetrachloroethene	10.88	164	94209	20.788	ug/l	95
65) Chlorobenzene	11.67	112	264095	20.595	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	98095	20.500	ug/l	99
67) Ethyl Benzene	11.75	91	464640	20.689	ug/l	98
68) m/p-Xylenes	11.86	106	361672	42.092	ug/l	100
69) o-Xylene	12.18	106	158976	20.884	ug/l	99
70) Styrene	12.20	104	282254	20.884	ug/l	99
71) Bromoform	12.37	173	53146	20.015	ug/l #	99
73) Isopropylbenzene	12.48	105	429737	21.312	ug/l	100
74) N-amyl acetate	12.30	43	90428	20.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75200	20.664	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	99174	38.270	ug/l #	100
77) Bromobenzene	12.77	156	106226	21.215	ug/l	99
78) n-propylbenzene	12.83	91	528115	21.794	ug/l	99
79) 2-Chlorotoluene	12.91	91	291351	21.463	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	358214	21.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24599	20.496	ug/l	99
82) 4-Chlorotoluene	13.01	91	305350	21.188	ug/l	100
83) tert-Butylbenzene	13.23	119	293568	21.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361270	21.733	ug/l	99
85) sec-Butylbenzene	13.41	105	432218	21.549	ug/l	100
86) p-Isopropyltoluene	13.53	119	388619	21.187	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	203806	21.054	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198641	20.792	ug/l	99
89) n-Butylbenzene	13.85	91	358764	21.226	ug/l	99
90) Hexachloroethane	14.12	117	78139	20.981	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	173846	20.916	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11152	19.885	ug/l	96

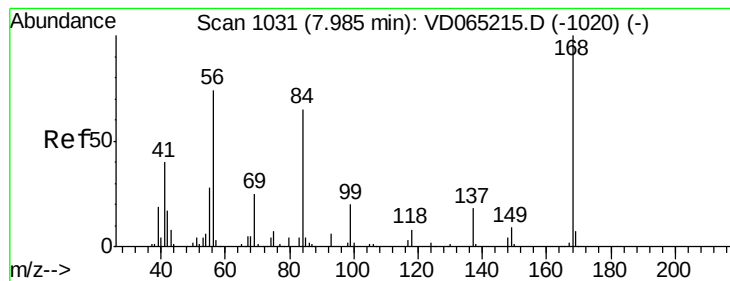
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021920\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113488	20.875	ug/l	98
94) Hexachlorobutadiene	15.28	225	72631	20.826	ug/l	99
95) Naphthalene	15.41	128	177409	20.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99643	20.985	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

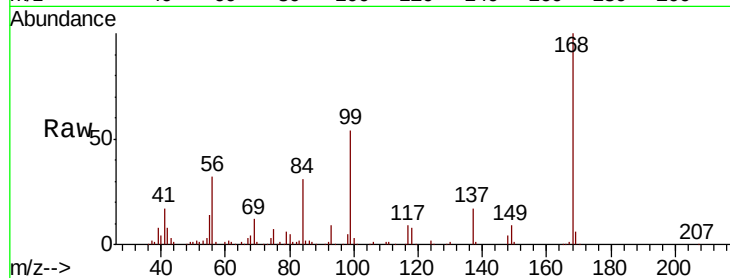
ClientSampleId :

Tot Ion:168 Resp: 473319

Ion Ratio Lower Upper

168 100

99 54.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

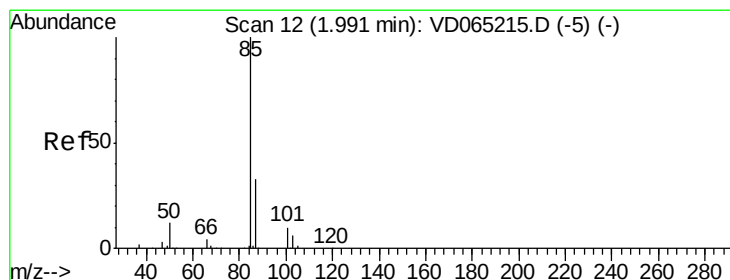
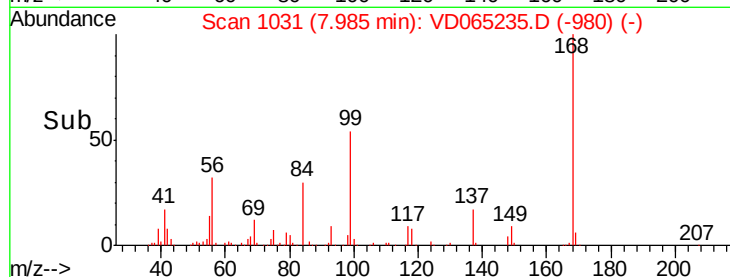
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.835 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065235.D

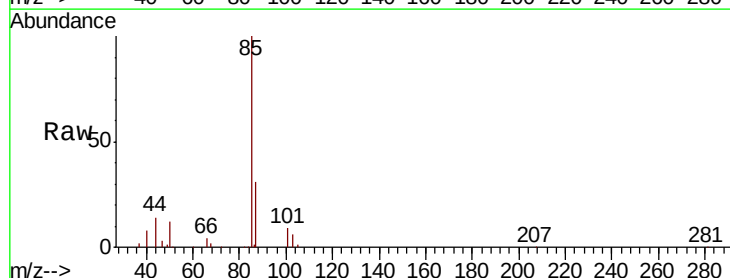
Acq: 19 Feb 2020 13:29

Tgt Ion: 85 Resp: 74774

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

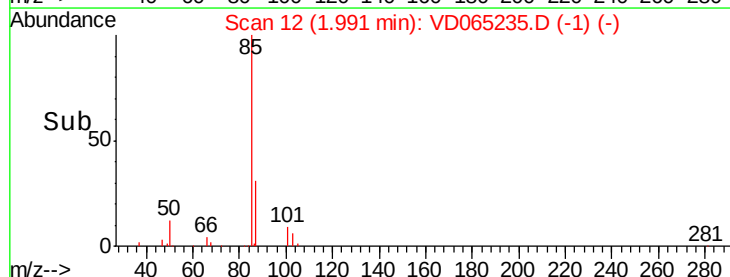
30000

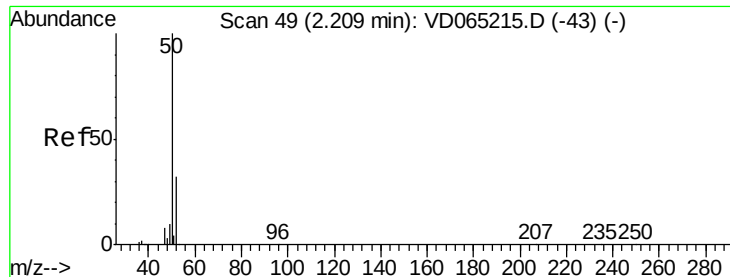
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.986 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

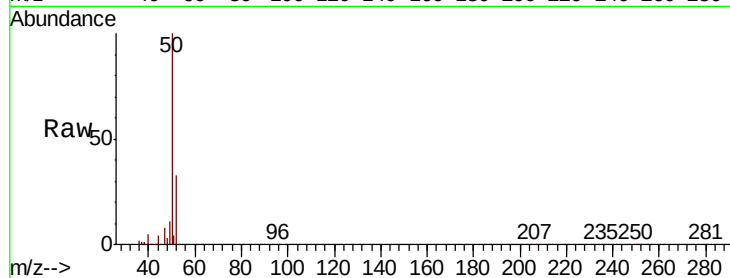
ClientSampleId :

Tot Ion: 50 Resp: 100991

Ion Ratio Lower Upper

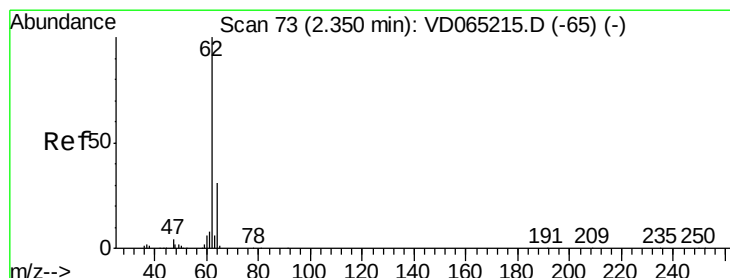
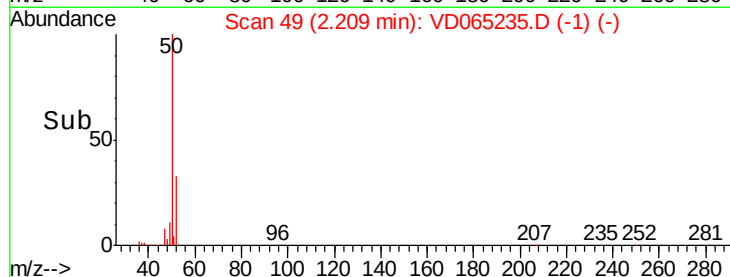
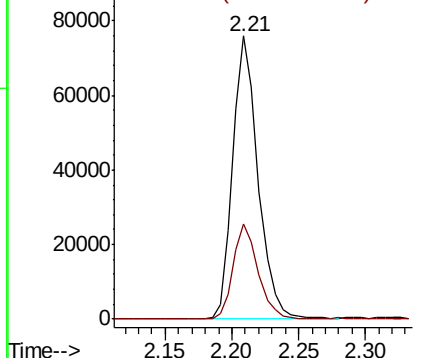
50 100

52 33.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.130 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065235.D

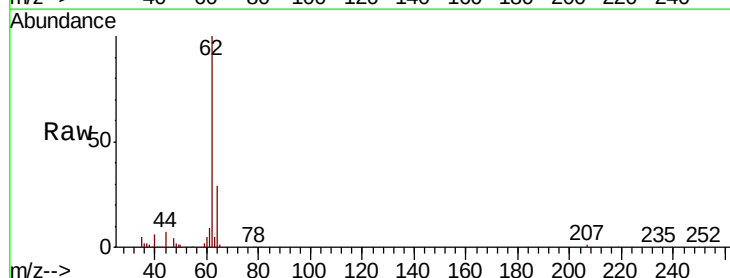
Acq: 19 Feb 2020 13:29

Tgt Ion: 62 Resp: 103430

Ion Ratio Lower Upper

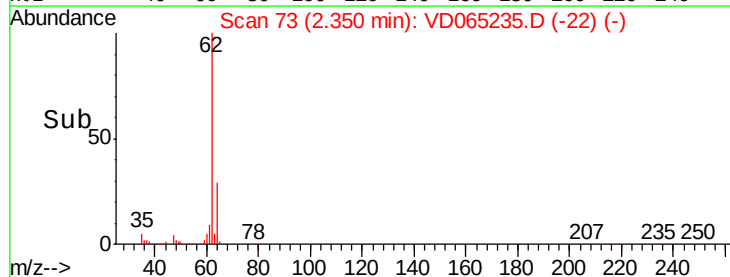
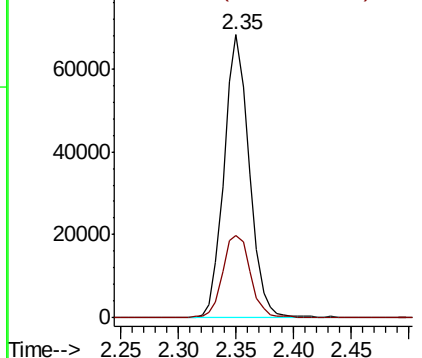
62 100

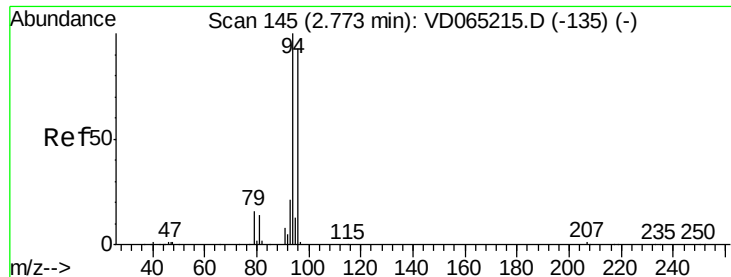
64 29.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.302 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

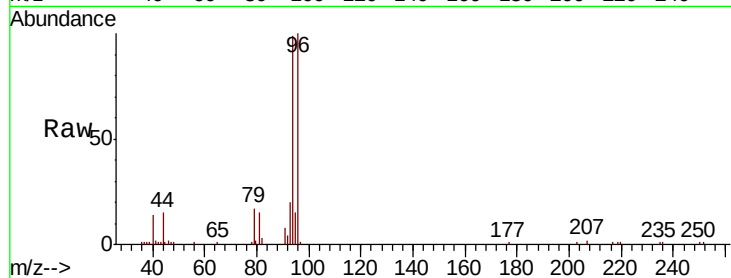
ClientSampleId :

Tot Ion: 94 Resp: 63073

Ion Ratio Lower Upper

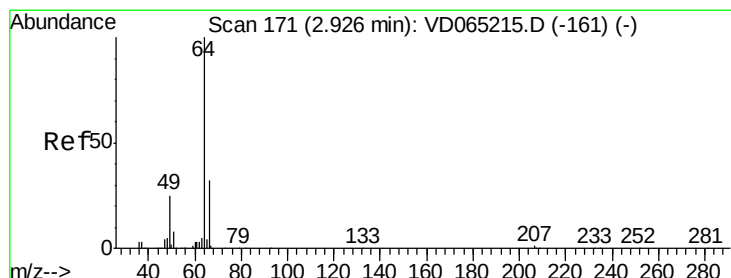
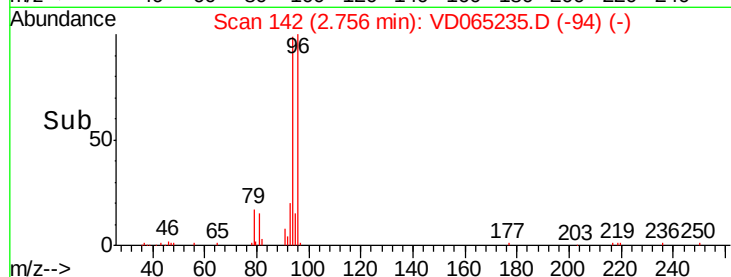
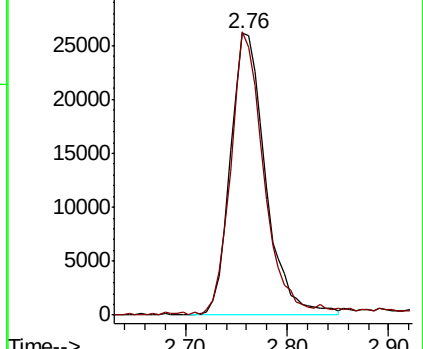
94 100

96 100.5 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.456 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065235.D

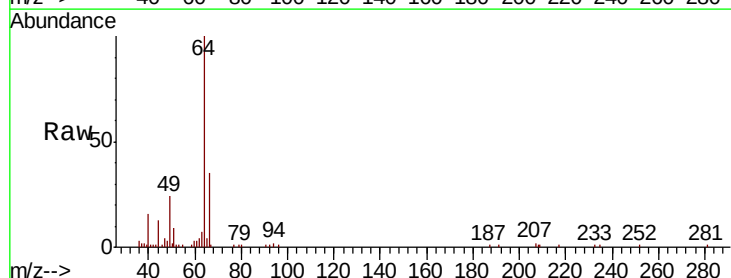
Acq: 19 Feb 2020 13:29

Tgt Ion: 64 Resp: 64159

Ion Ratio Lower Upper

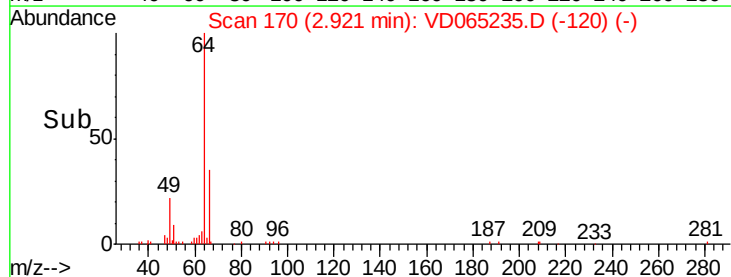
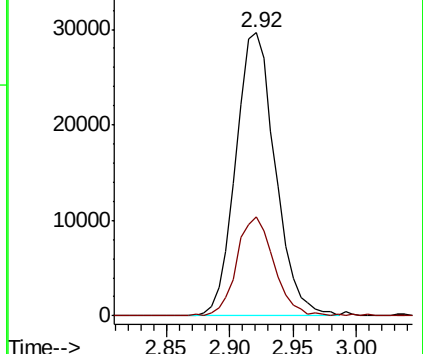
64 100

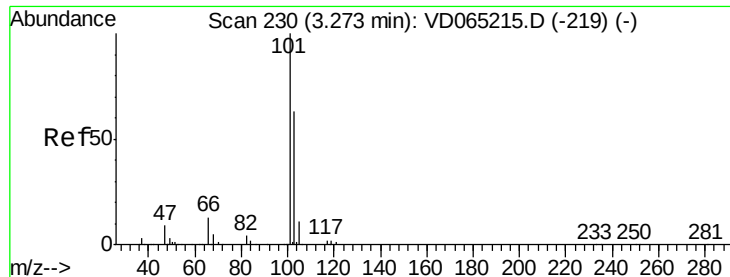
66 35.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



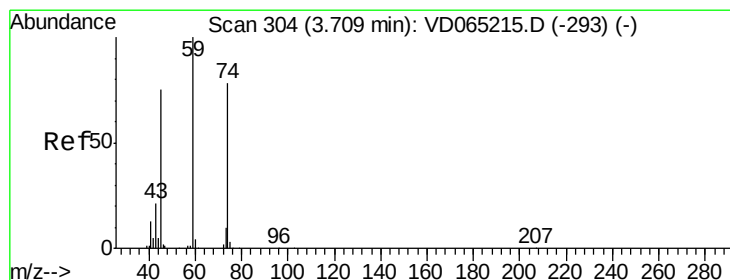
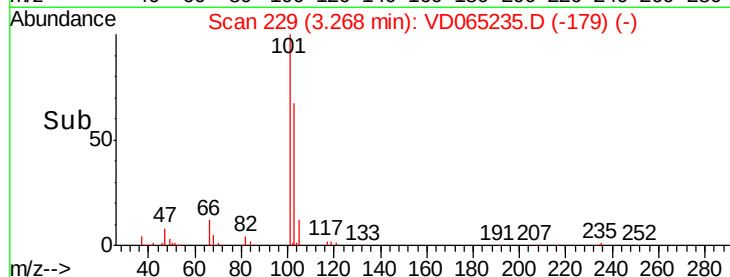
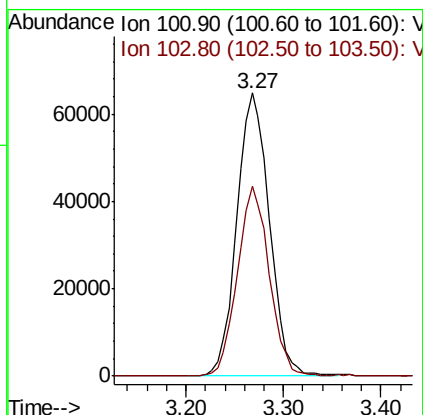
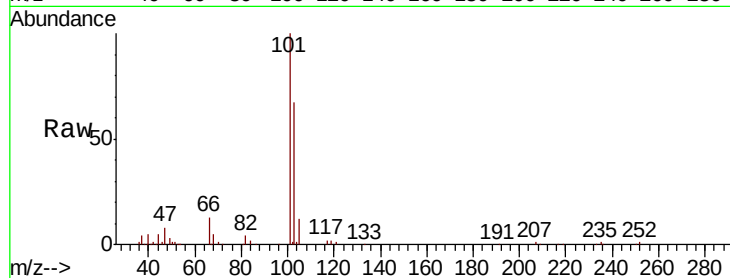


#7

Trichlorofluoromethane
 Concen: 20.449 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

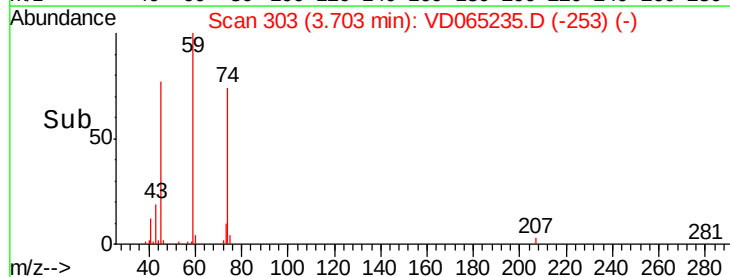
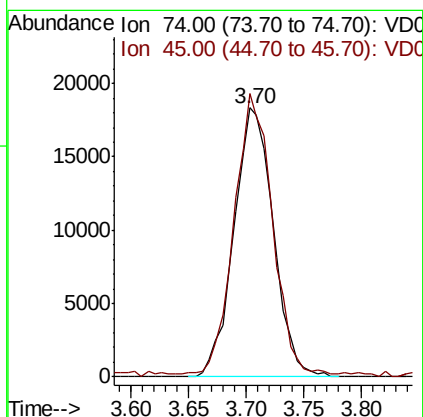
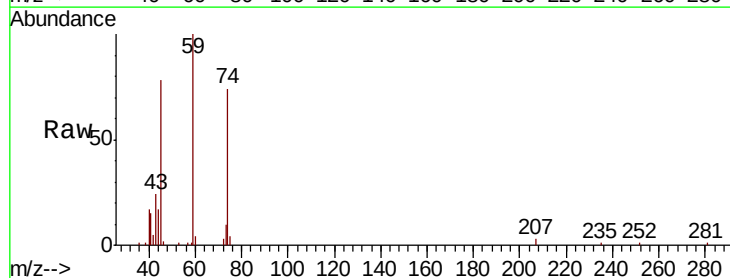
Tot Ion:101 Resp: 150432
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.7 76.1

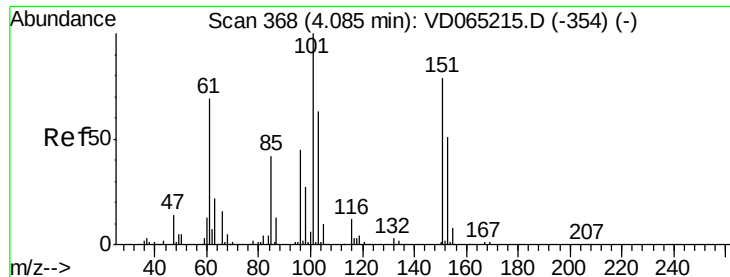


#8

Diethyl Ether
 Concen: 19.586 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion: 74 Resp: 43492
 Ion Ratio Lower Upper
 74 100
 45 100.2 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.532 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

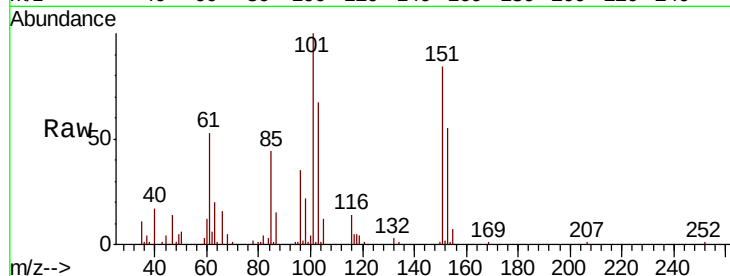
Tot Ion:101 Resp: 95383

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

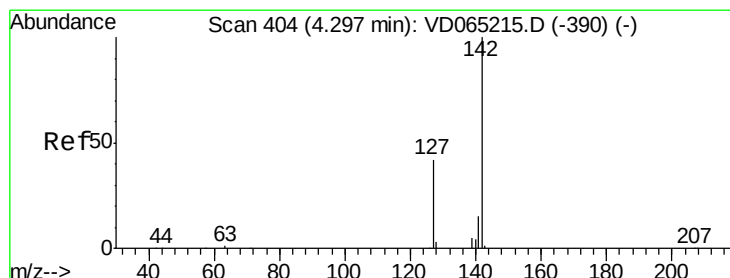
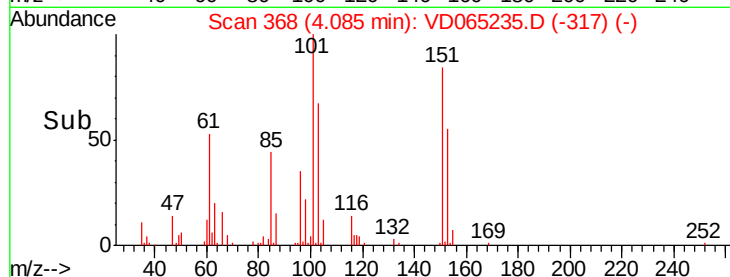
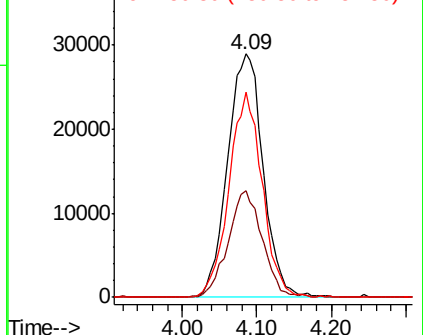
151 79.0 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.994 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

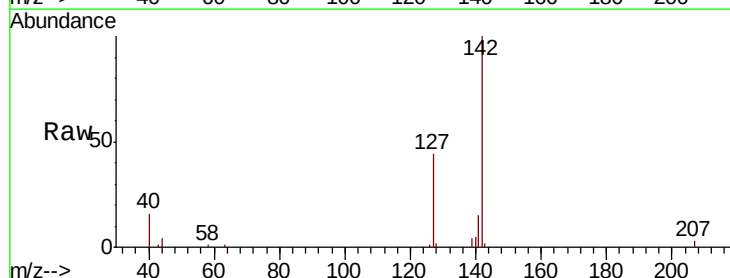
Tgt Ion:142 Resp: 91616

Ion Ratio Lower Upper

142 100

127 43.9 33.8 50.8

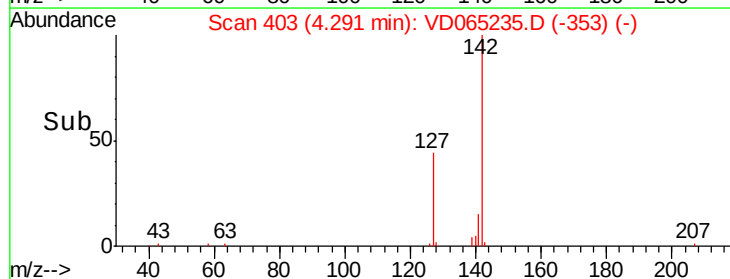
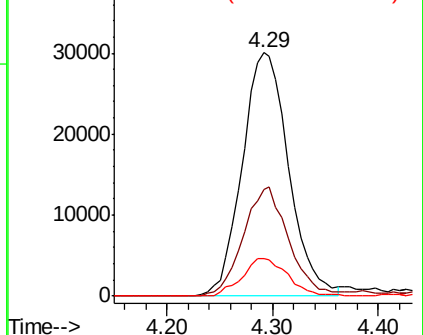
141 15.2 11.7 17.5

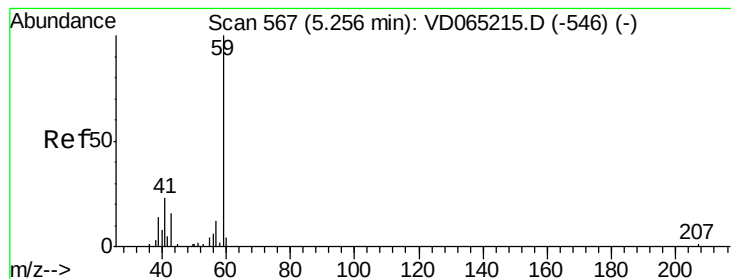


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



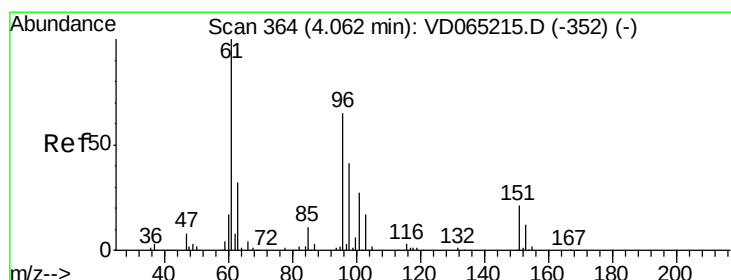
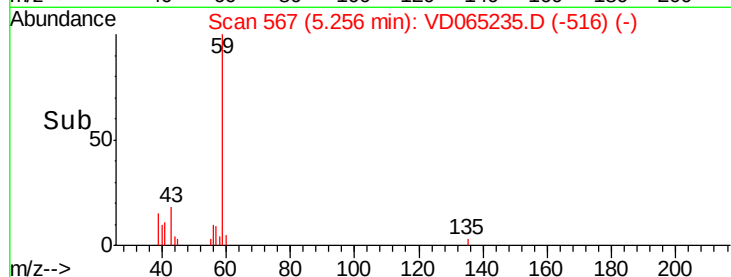
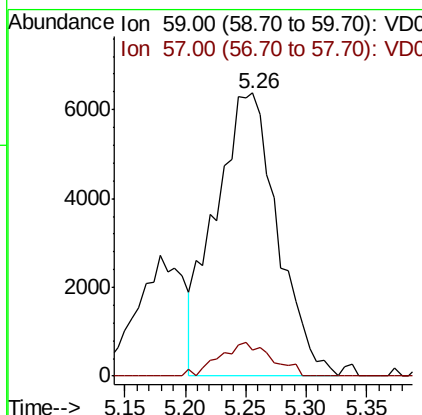
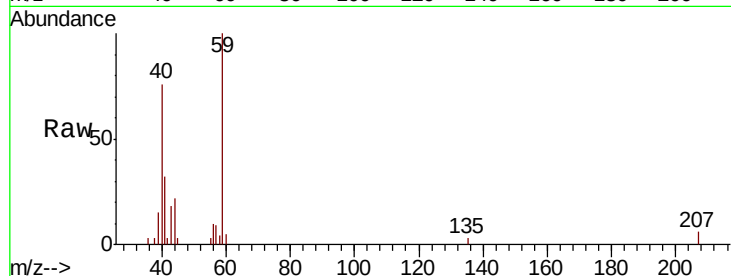


#11

Tert butyl alcohol
Concen: 89.325 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :

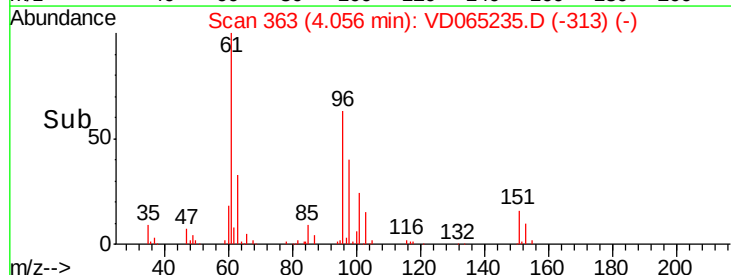
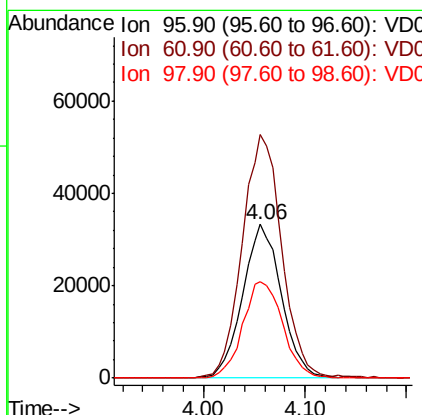
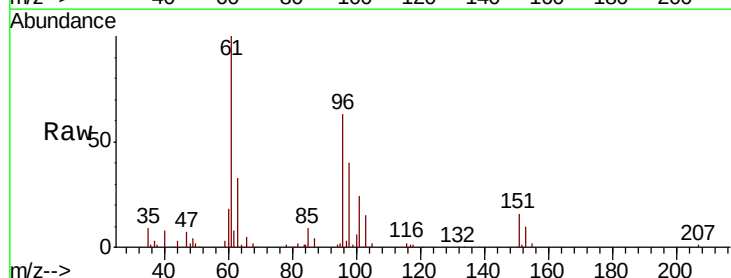
Tot Ion: 59 Resp: 22728
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6

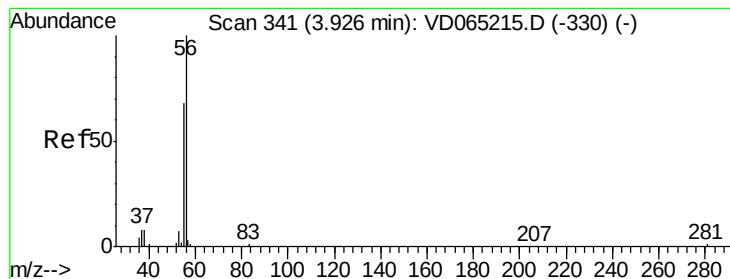


#12

1,1-Dichloroethene
Concen: 20.181 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 96 Resp: 88563
Ion Ratio Lower Upper
96 100
61 158.6 123.3 184.9
98 62.8 51.0 76.4





#13

Acrolein

Concen: 116.818 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

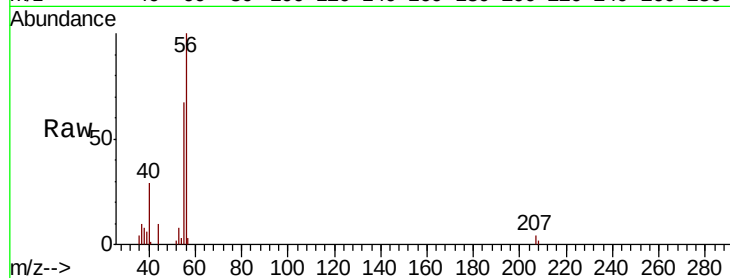
ClientSampleId :

Tot Ion: 56 Resp: 41266

Ion Ratio Lower Upper

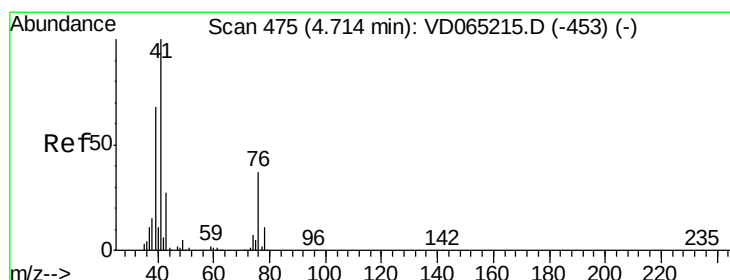
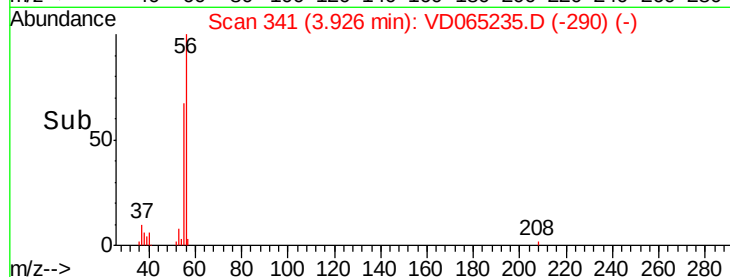
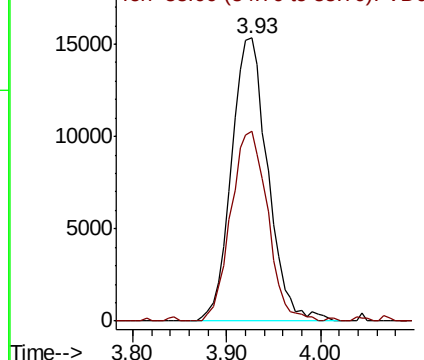
56 100

55 67.7 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: 20.606 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

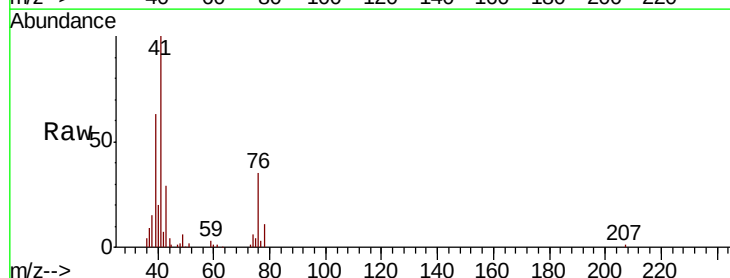
Tgt Ion: 41 Resp: 146848

Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.6

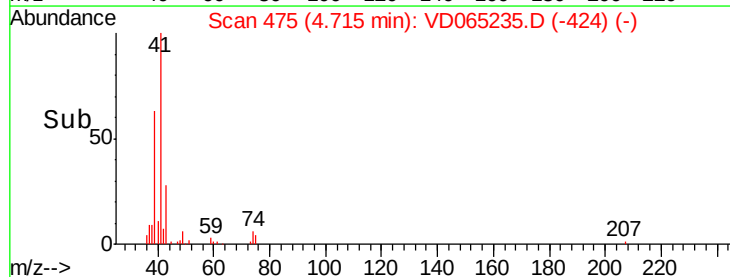
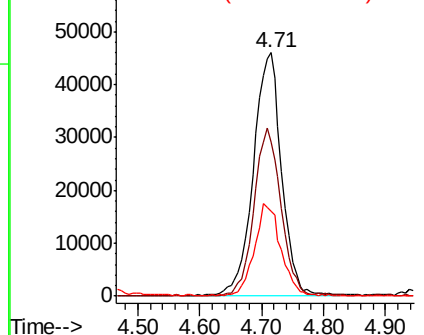
76 35.2 28.7 43.1

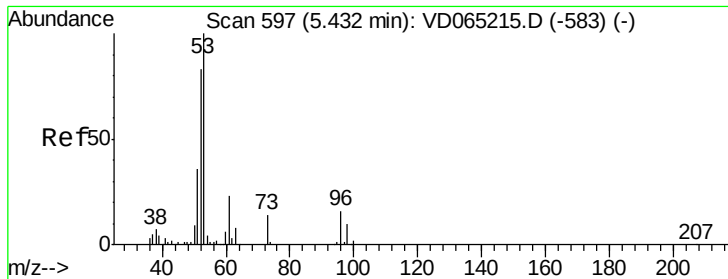


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.542 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065235.D

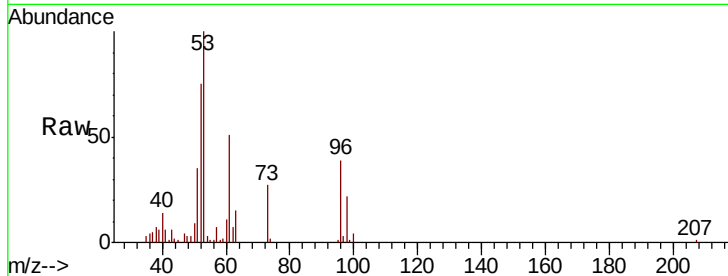
Acq: 19 Feb 2020 13:29

Instrument :

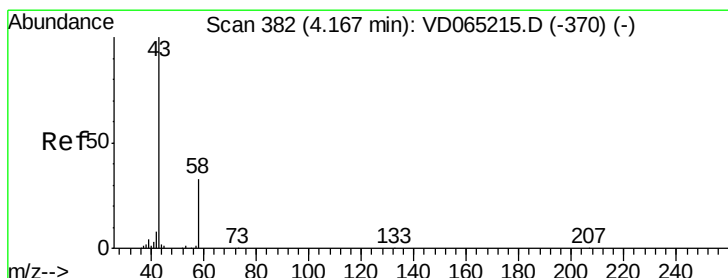
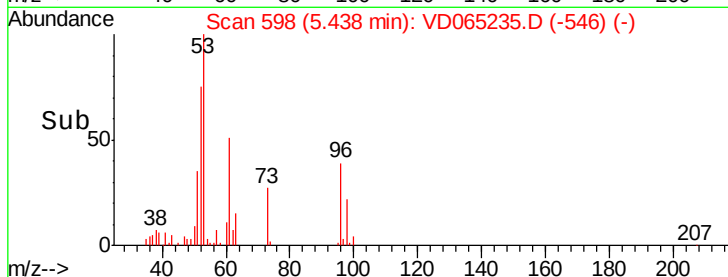
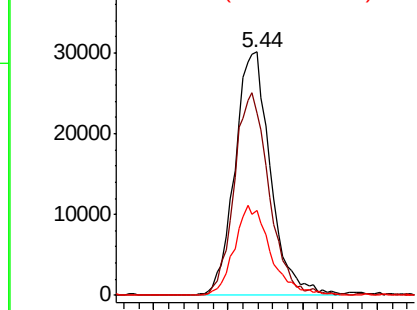
MSVOA_D

ClientSampled :

Tot Ion:	53	Resp:	99826
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.2
51	37.3	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: 89.998 ug/l

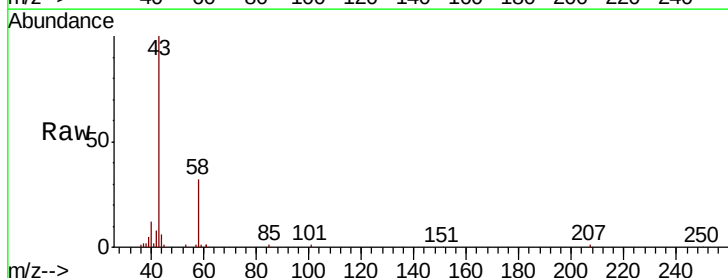
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

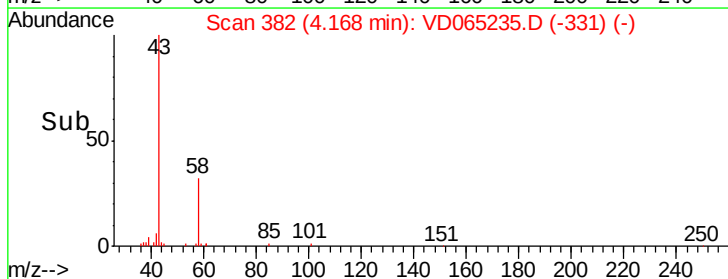
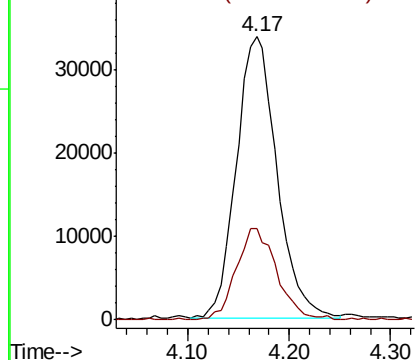
Lab File: VD065235.D

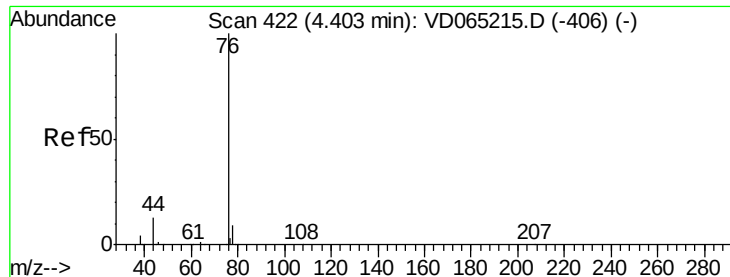
Acq: 19 Feb 2020 13:29

Tgt Ion:	43	Resp:	93676
Ion	Ratio	Lower	Upper
43	100		
58	32.4	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: 20.694 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

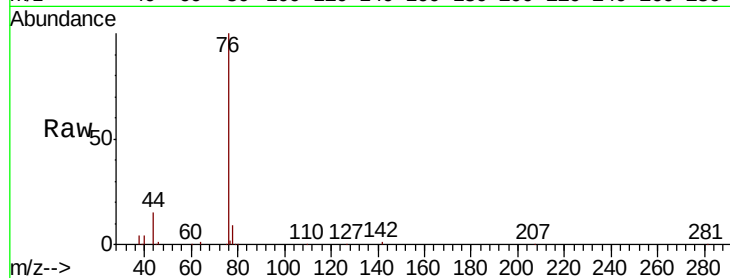
ClientSampleId :

Tot Ion: 76 Resp: 304460

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

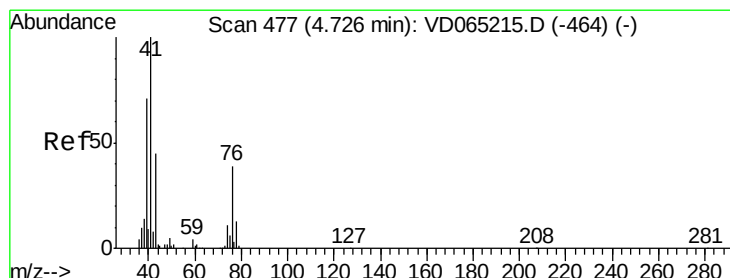
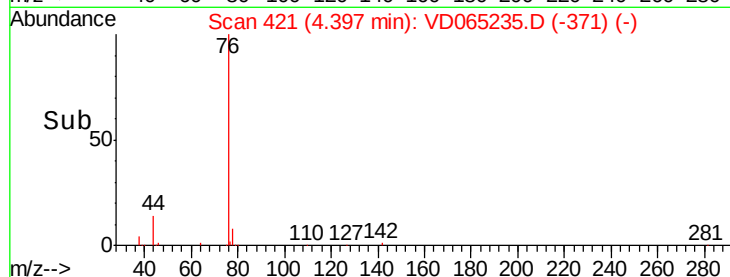
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.205 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065235.D

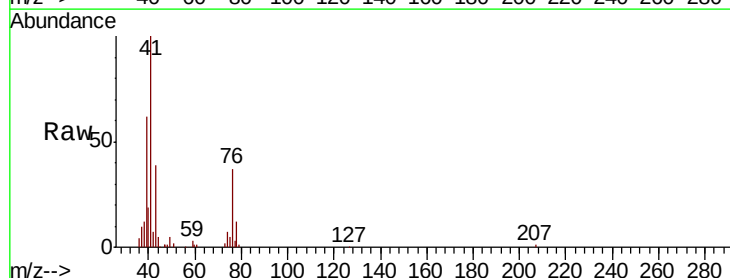
Acq: 19 Feb 2020 13:29

Tgt Ion: 43 Resp: 49642

Ion Ratio Lower Upper

43 100

74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

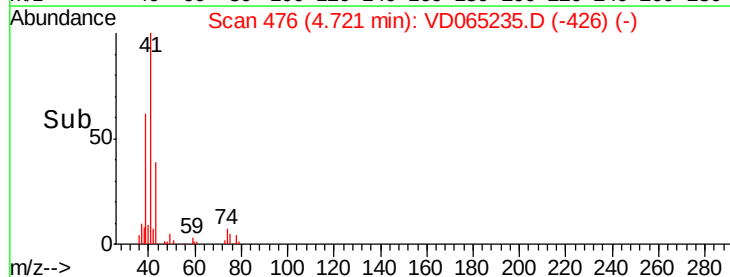
15000

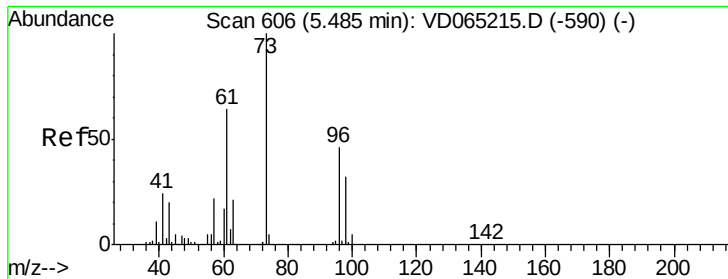
10000

5000

0

Time-->



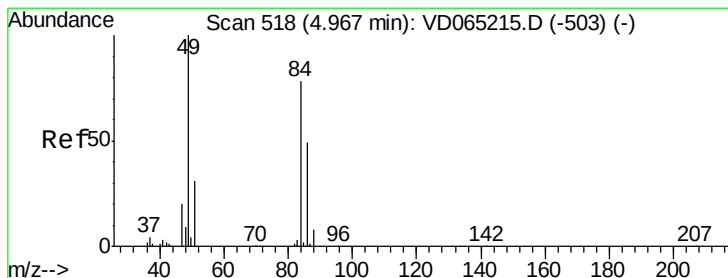
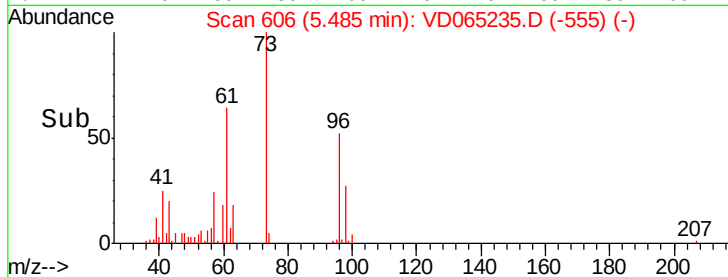
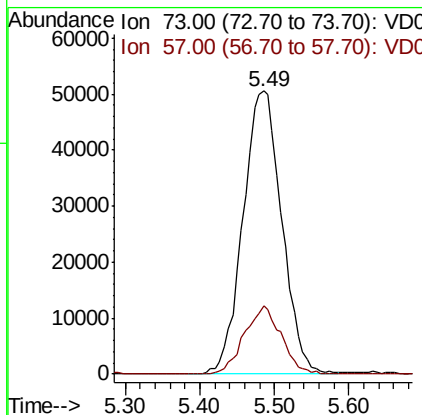
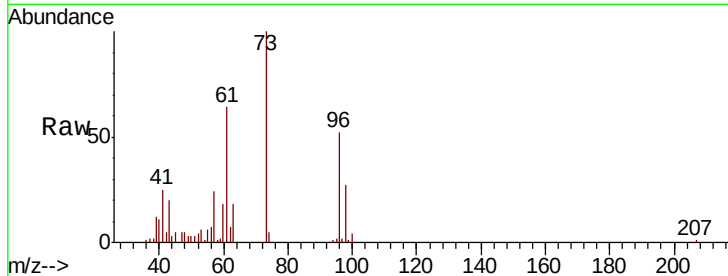


#19

Methyl tert-butyl Ether
 Concen: 19.943 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

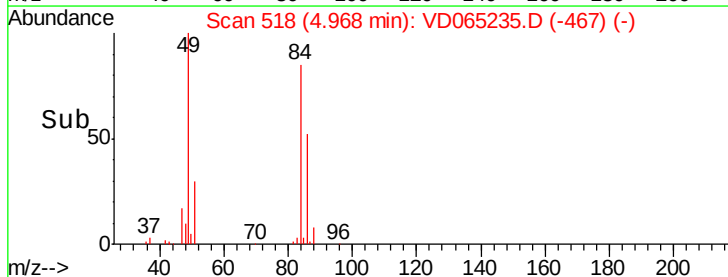
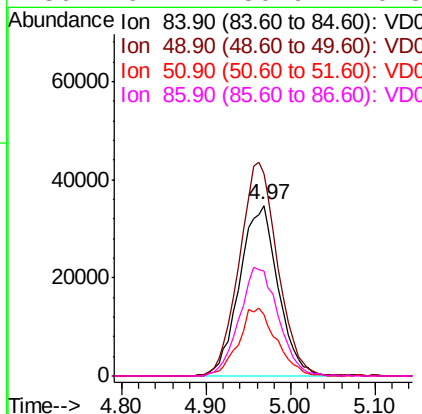
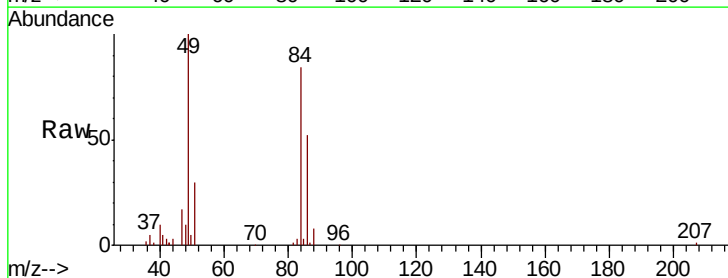
Tot Ion: 73 Resp: 182503
 Ion Ratio Lower Upper
 73 100
 57 24.4 17.3 25.9

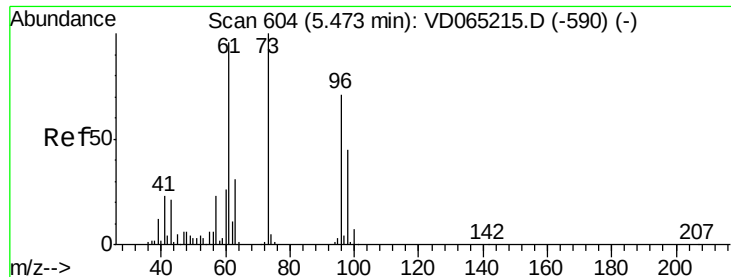


#20

Methylene Chloride
 Concen: 21.087 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion: 84 Resp: 110061
 Ion Ratio Lower Upper
 84 100
 49 118.7 103.1 154.7
 51 35.8 31.7 47.5
 86 61.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.974 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

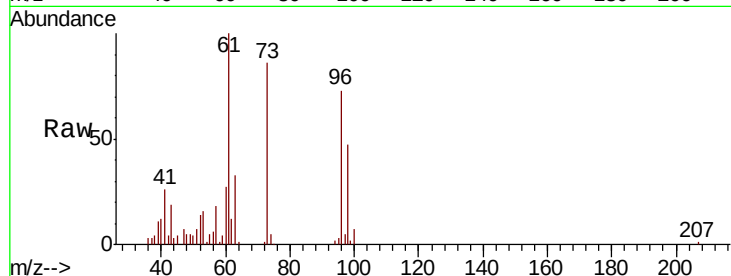
Tot Ion: 96 Resp: 104633

Ion Ratio Lower Upper

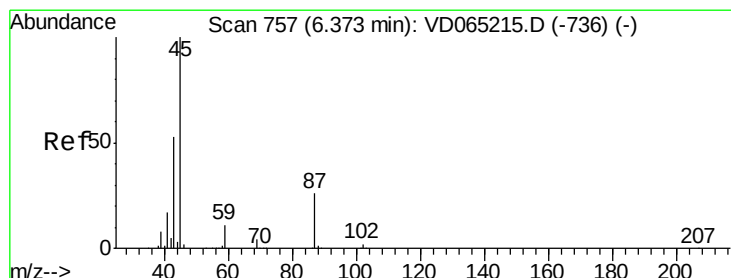
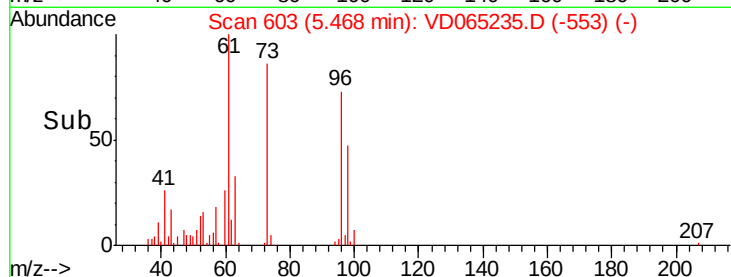
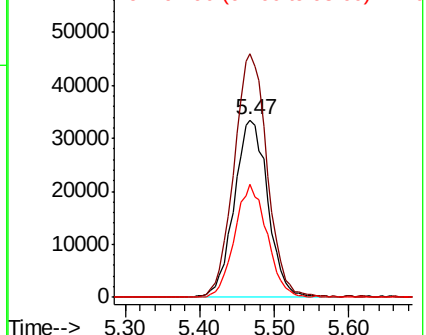
96 100

61 137.4 108.3 162.5

98 64.1 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: 20.973 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion: 45 Resp: 288121

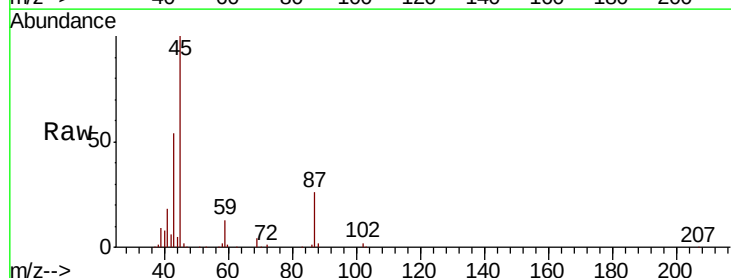
Ion Ratio Lower Upper

45 100

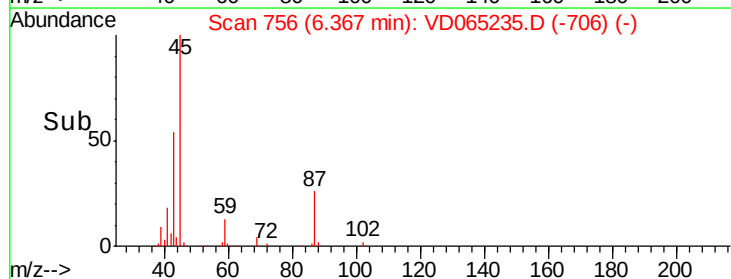
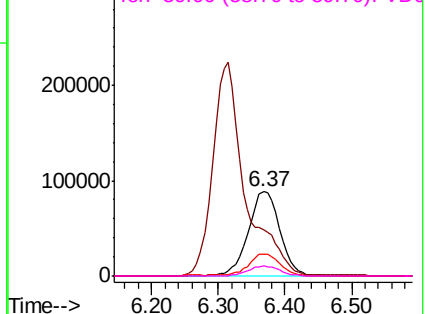
43 53.5 42.6 64.0

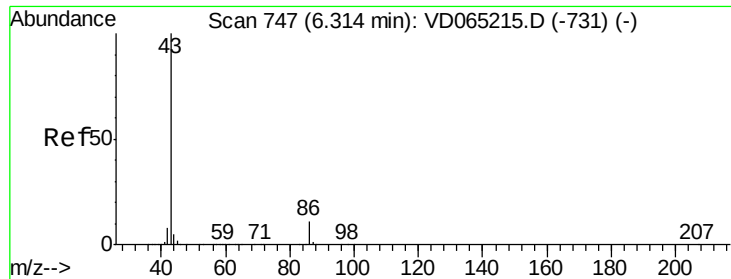
87 25.8 21.2 31.8

59 12.6 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: 100.111 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

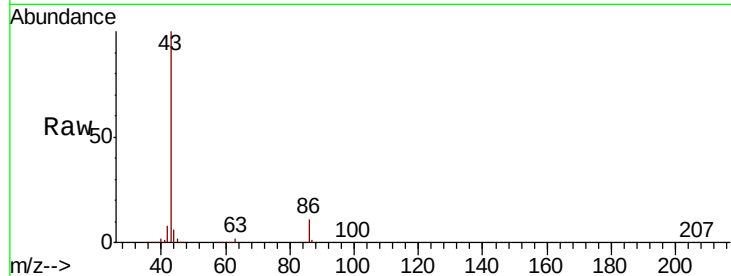
ClientSampleId :

Tot Ion: 43 Resp: 758207

Ion Ratio Lower Upper

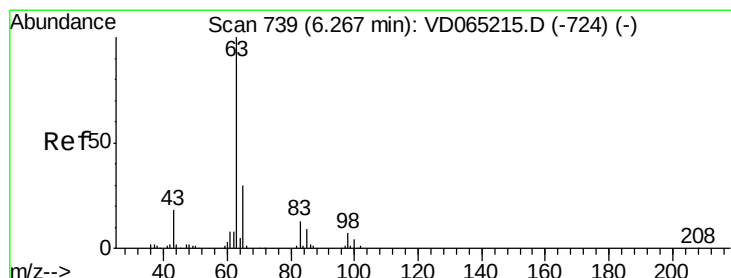
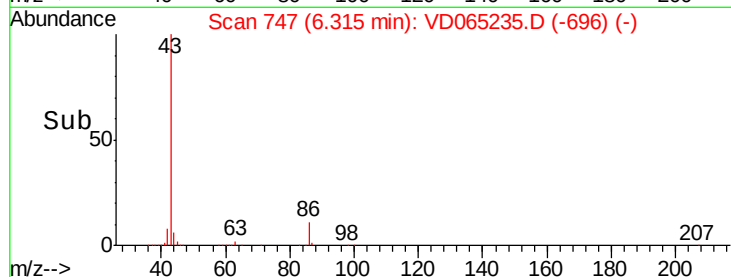
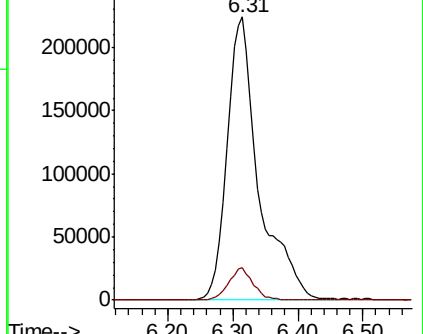
43 100

86 11.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.589 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

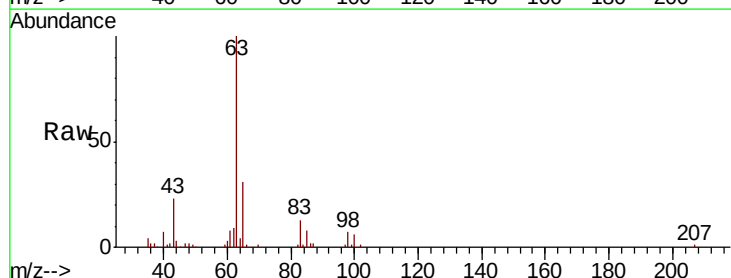
Tgt Ion: 63 Resp: 175443

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

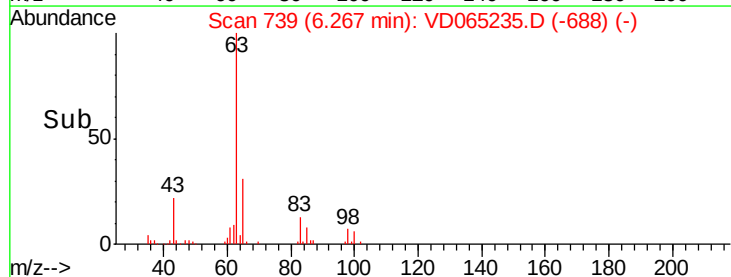
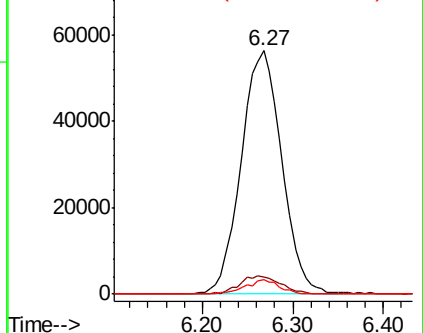
100 5.8 2.3 6.8

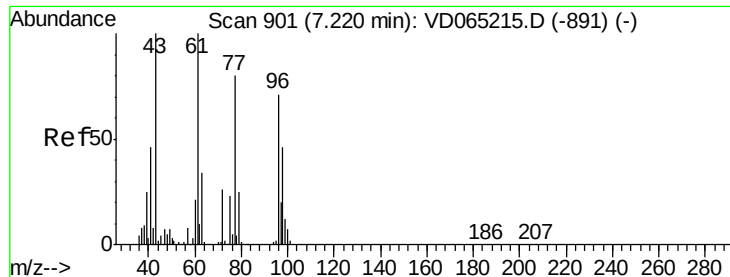


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 91.937 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

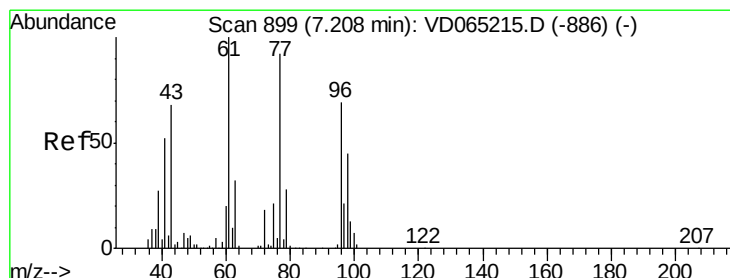
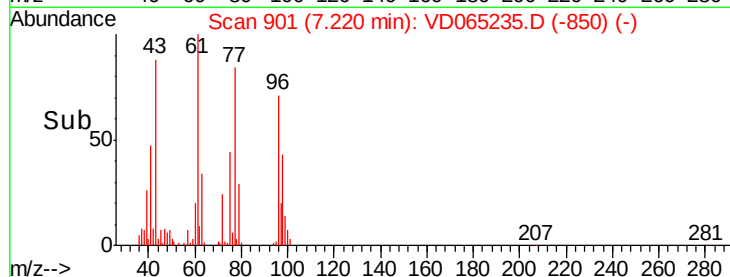
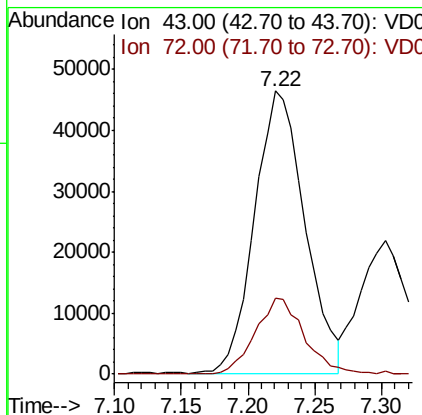
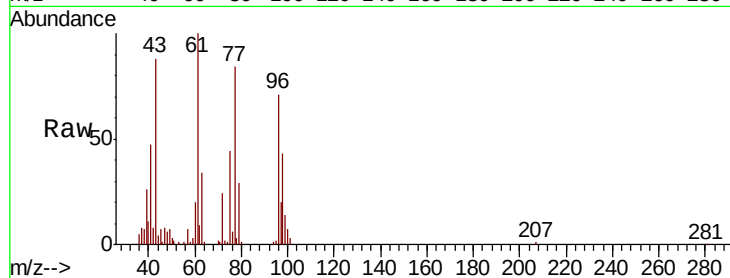
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 121074

Ion Ratio Lower Upper

43 100

72 27.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.417 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065235.D

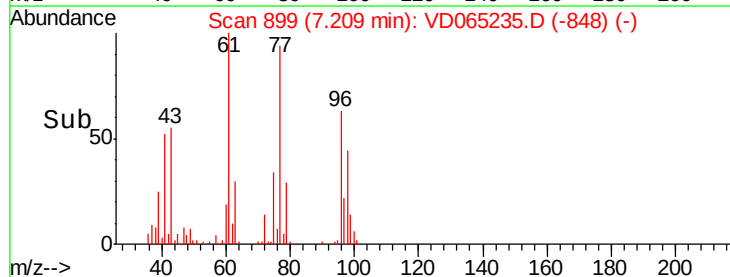
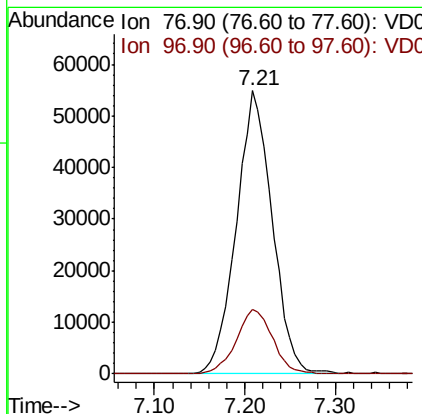
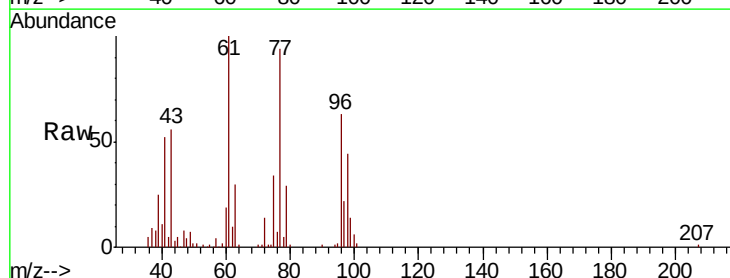
Acq: 19 Feb 2020 13:29

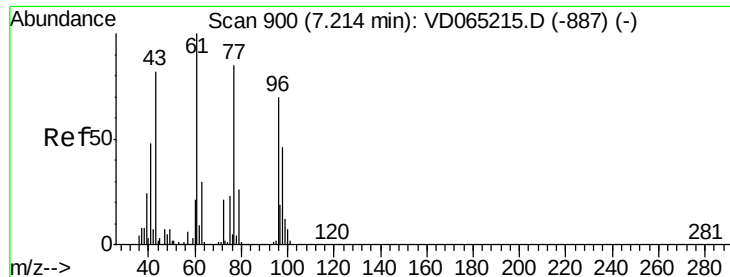
Tgt Ion: 77 Resp: 150946

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1



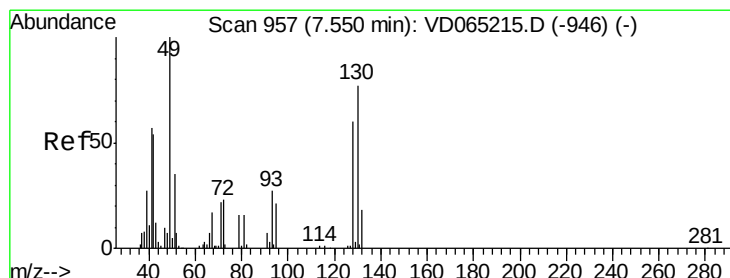
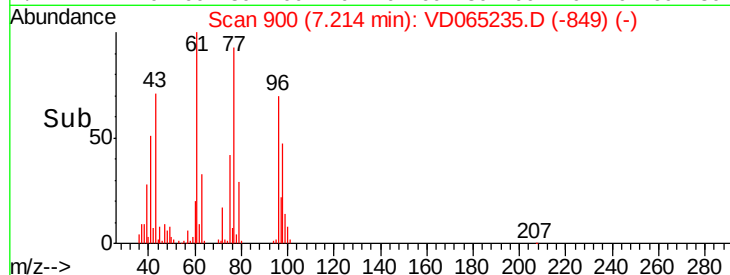
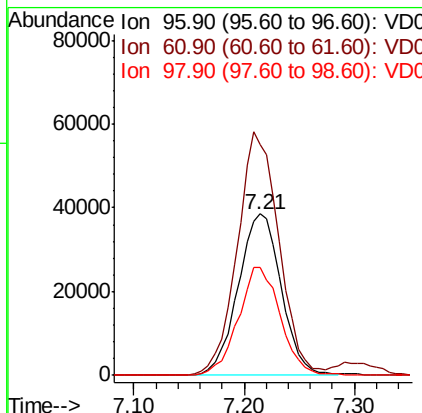
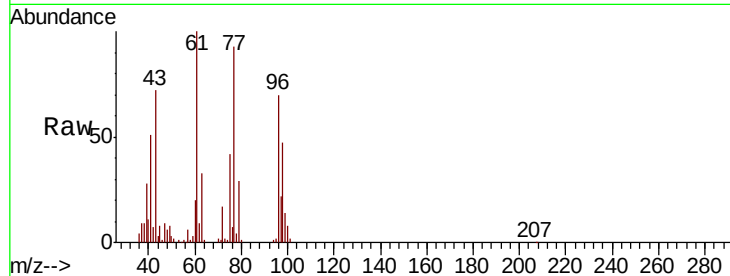


#27

cis-1,2-Dichloroethene
 Concen: 19.958 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

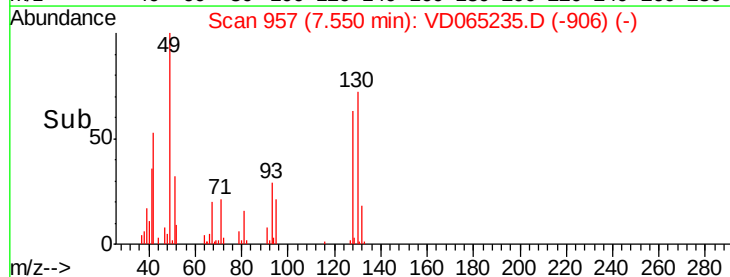
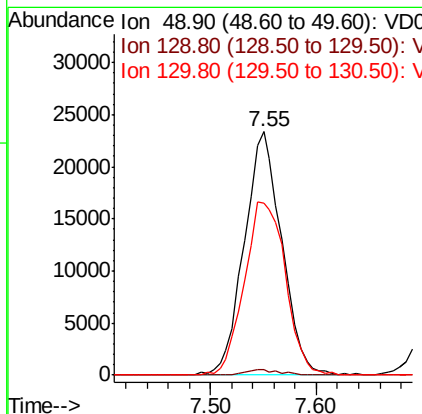
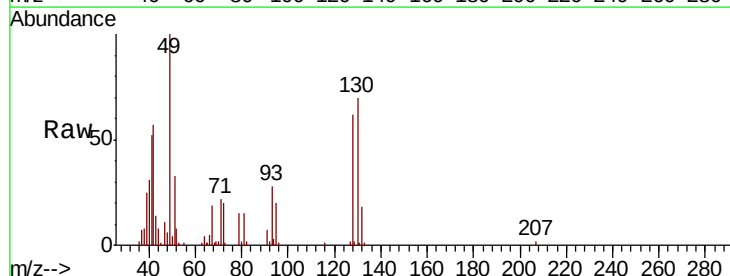
Tot Ion	96	Resp	105466
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	286.0
98	65.6	0.0	127.8

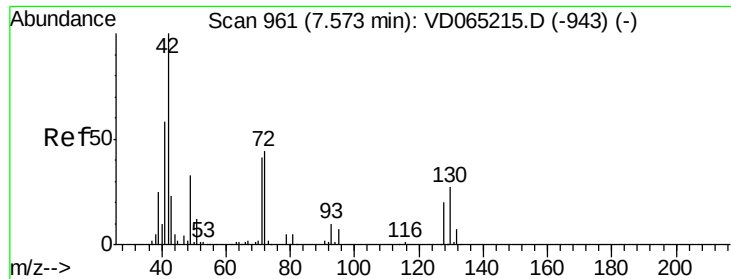


#28

Bromochloromethane
 Concen: 18.219 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	49	Resp	57596
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	77.9	64.7	97.1

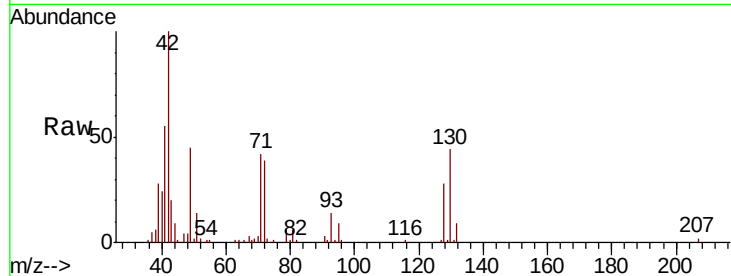




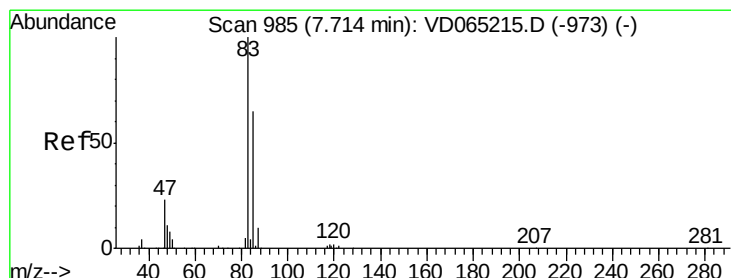
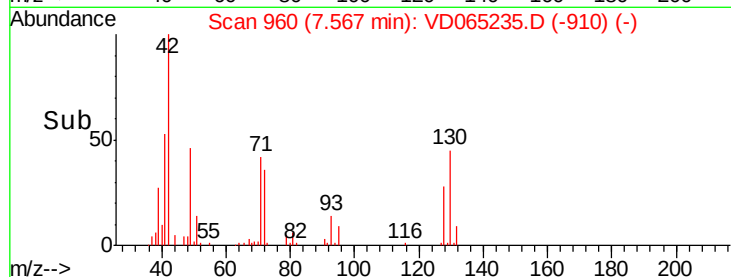
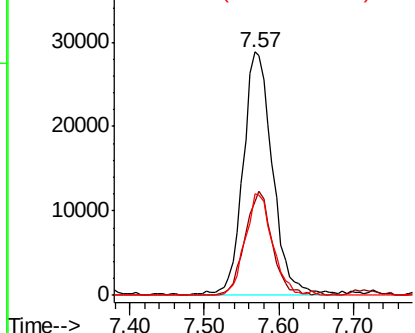
#29
Tetrahydrofuran
Concen: 103.113 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 79564
Ion Ratio Lower Upper
42 100
72 39.0 33.7 50.5
71 38.2 31.4 47.2

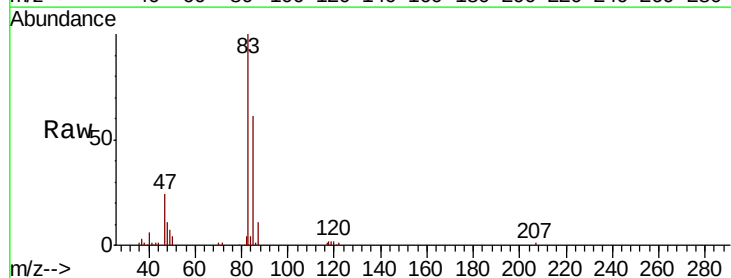


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

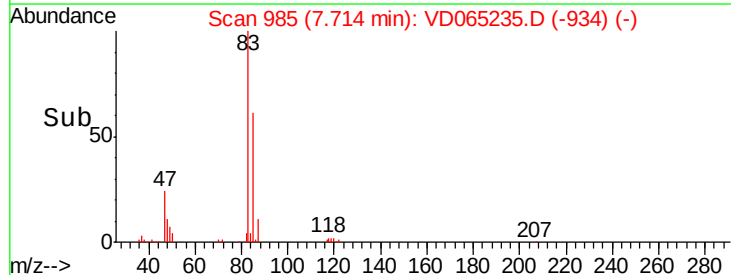
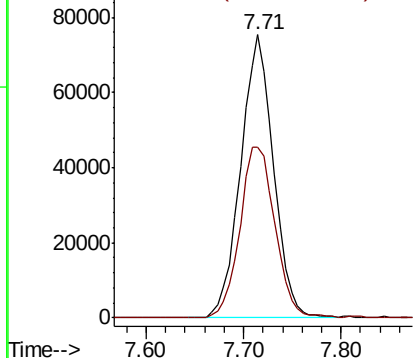


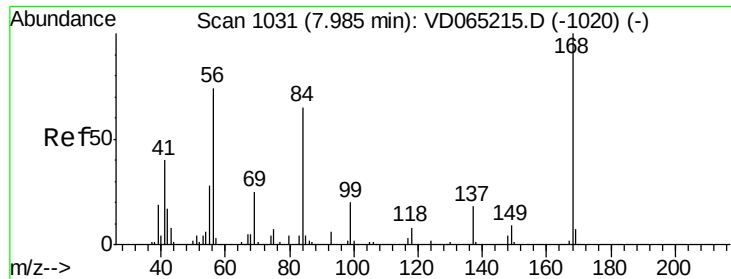
#30
Chloroform
Concen: 20.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 83 Resp: 177249
Ion Ratio Lower Upper
83 100
85 60.5 52.3 78.5



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

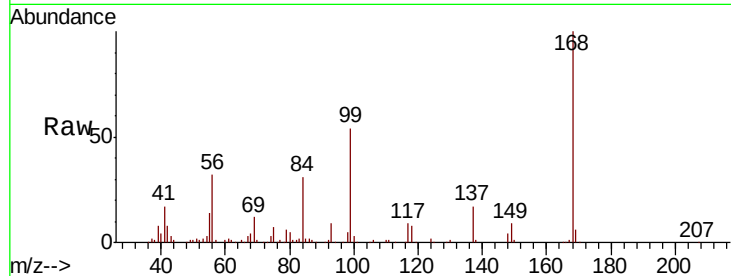




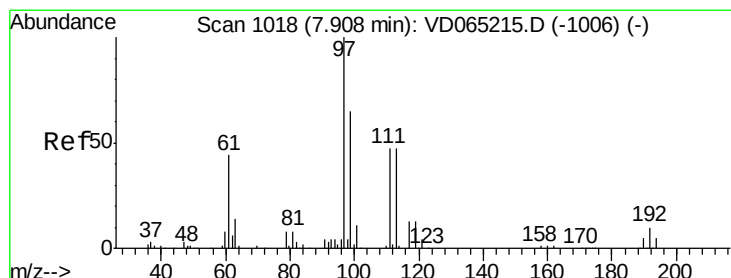
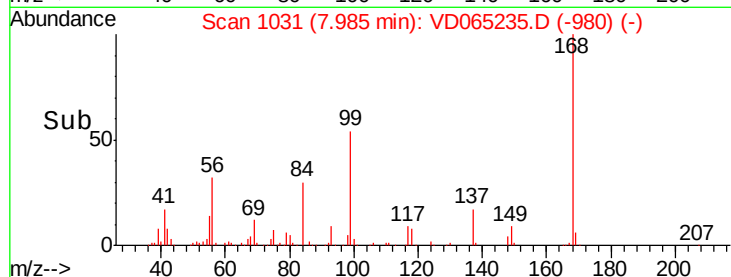
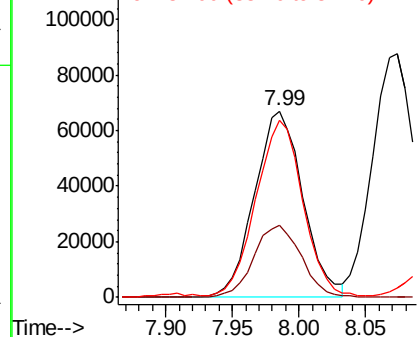
#31
Cyclohexane
Concen: 20.101 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 168295
Ion Ratio Lower Upper
56 100
69 38.6 27.4 41.0
84 93.9 71.1 106.7

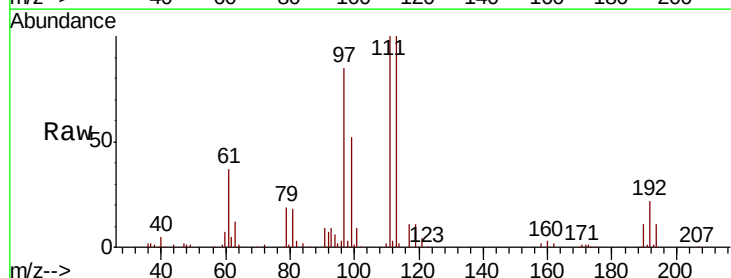


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

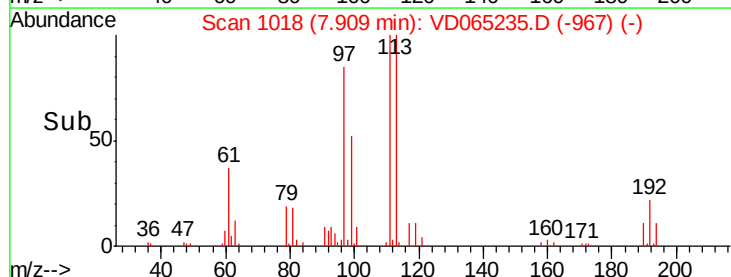
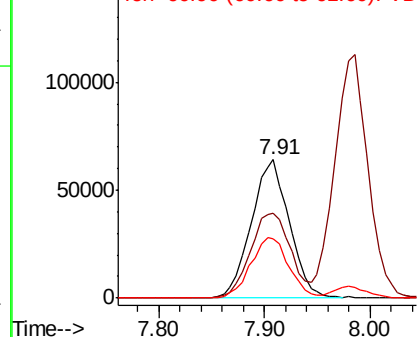


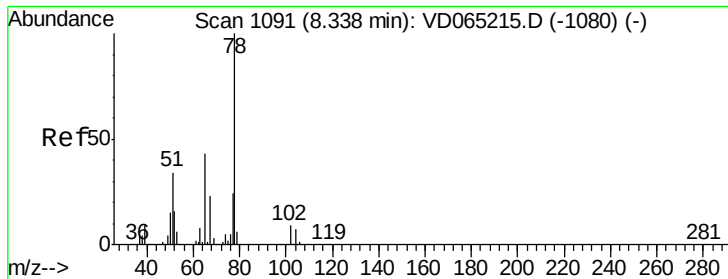
#32
1,1,1-Trichloroethane
Concen: 20.878 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 97 Resp: 160366
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.2
61 43.6 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

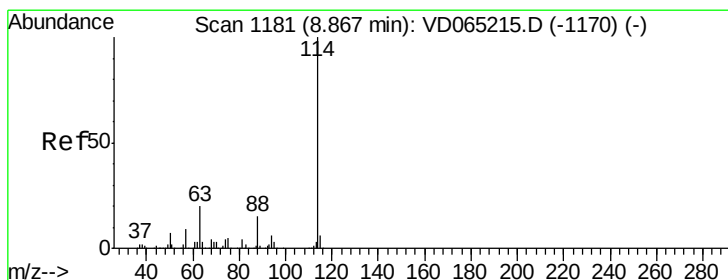
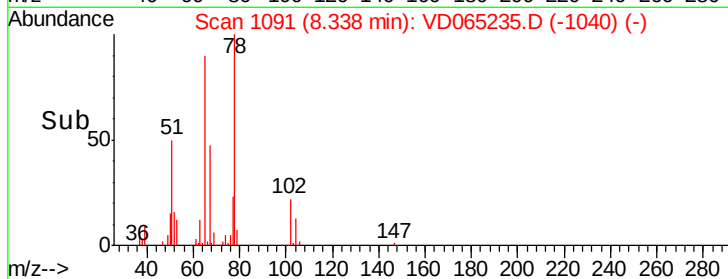
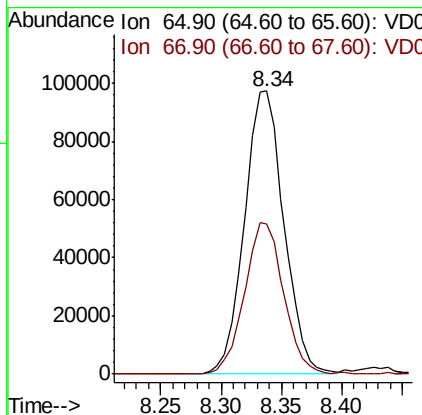
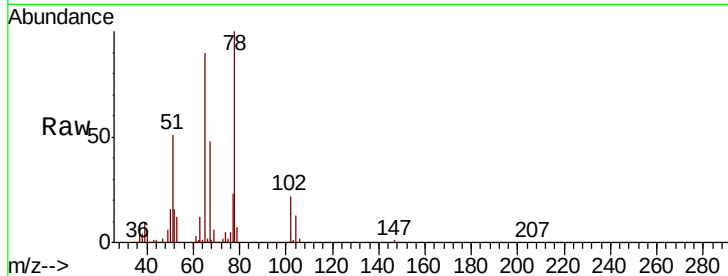




#33
 1,2-Dichloroethane-d4
 Concen: 51.996 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

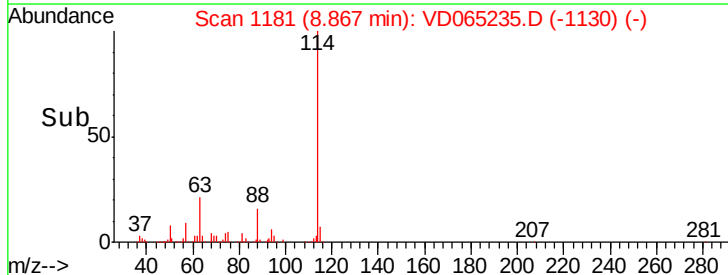
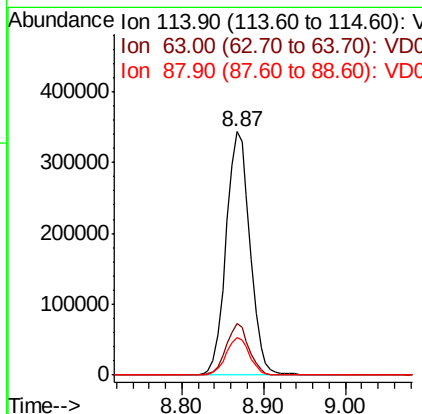
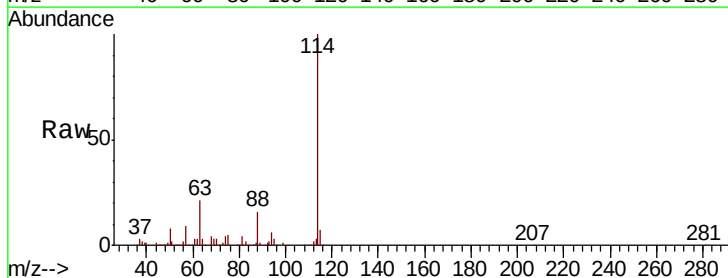
Instrument :
 MSVOA_D
 ClientSampleId :

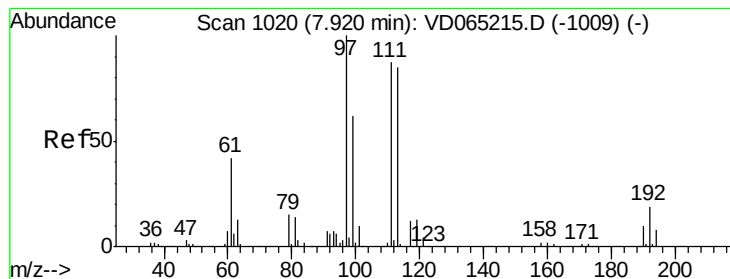
Tot Ion: 65 Resp: 221400
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion: 114 Resp: 699232
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.696 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

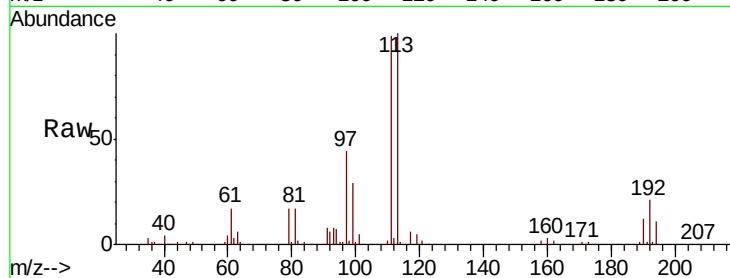
Tot Ion:113 Resp: 228932

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

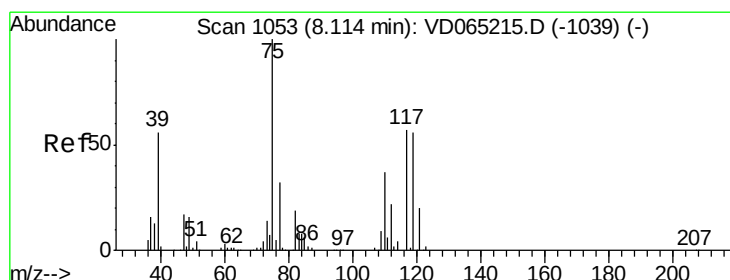
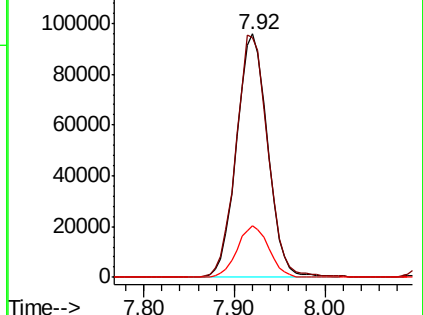
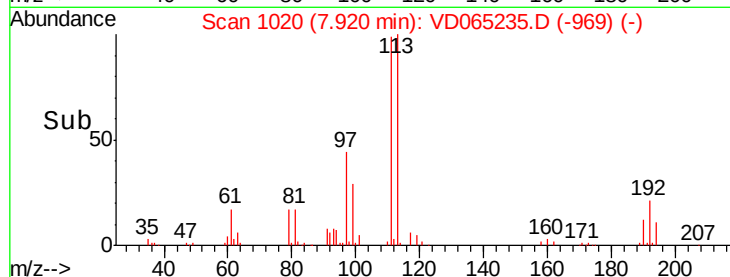
192 21.5 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.647 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

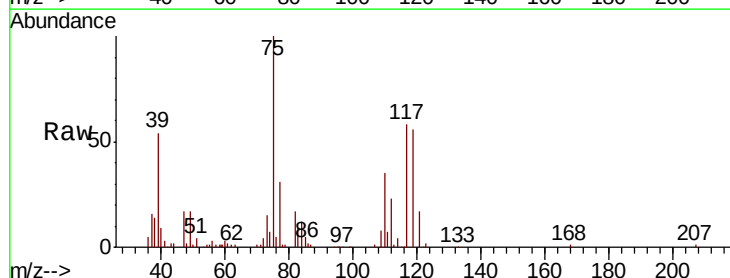
Tgt Ion: 75 Resp: 140474

Ion Ratio Lower Upper

75 100

110 35.8 17.9 53.7

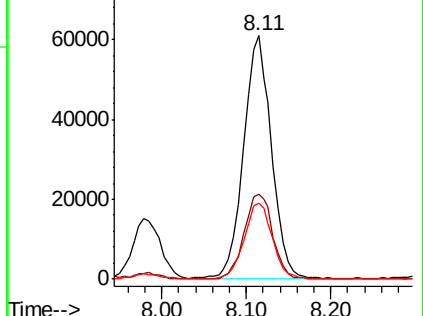
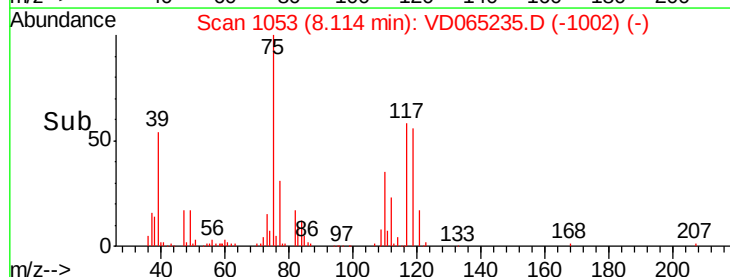
77 31.8 25.1 37.7

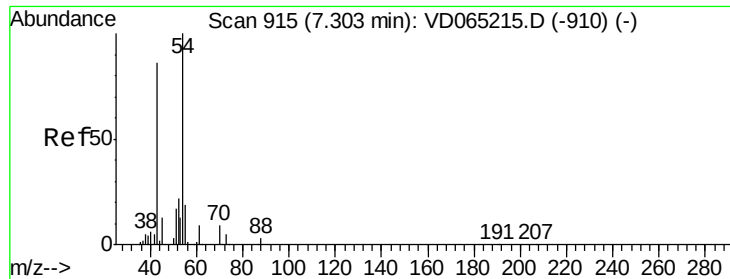


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

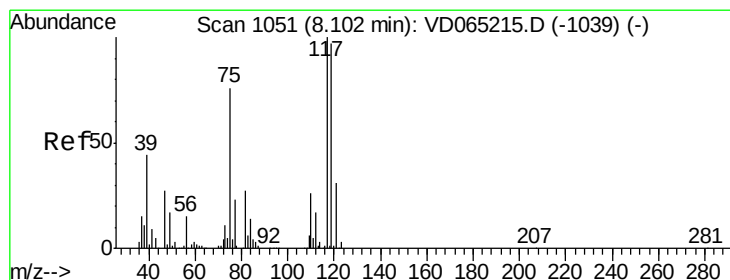
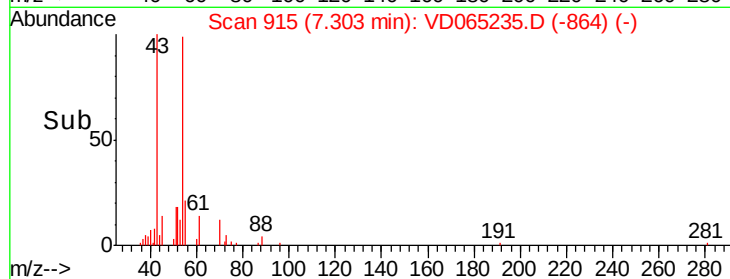
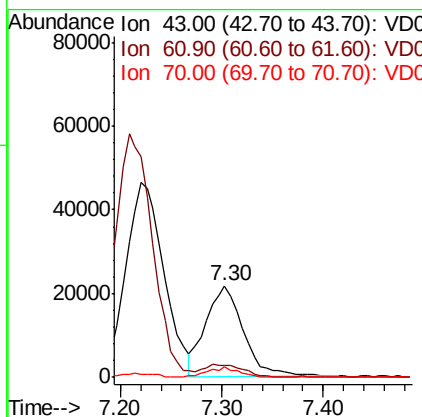
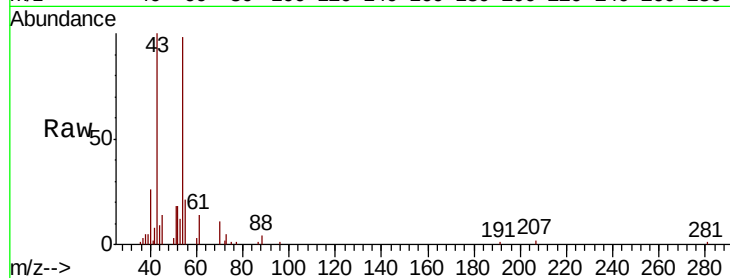




#37
Ethyl Acetate
Concen: 19.588 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

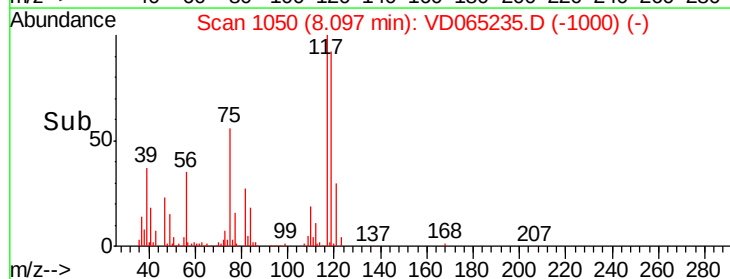
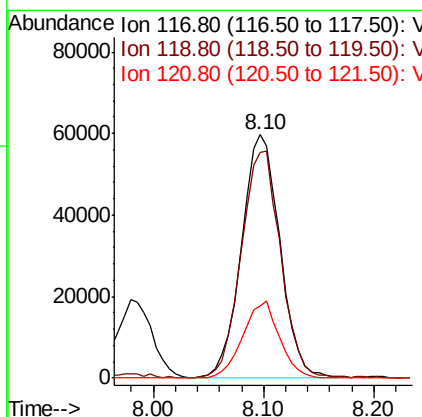
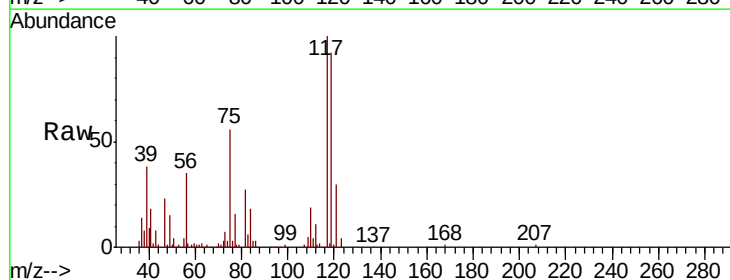
Instrument :
MSVOA_D
ClientSampled :

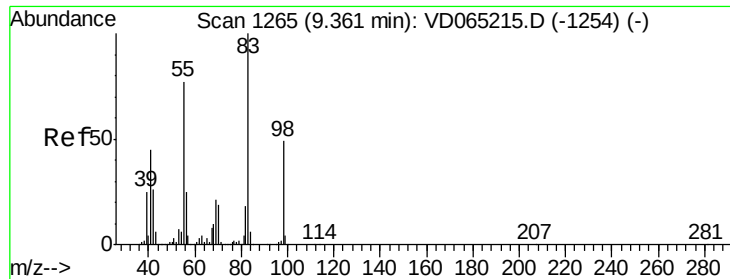
Tot Ion: 43 Resp: 55713
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 9.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.929 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 117 Resp: 144950
Ion Ratio Lower Upper
117 100
119 92.8 77.6 116.4
121 29.7 24.8 37.2

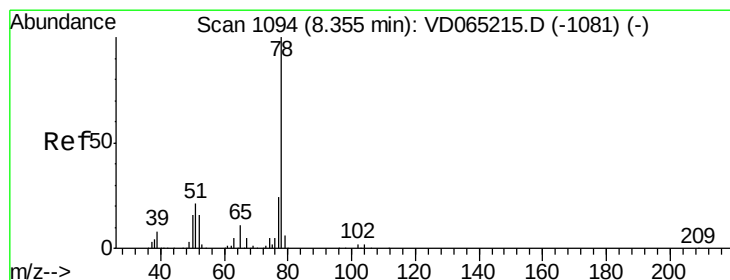
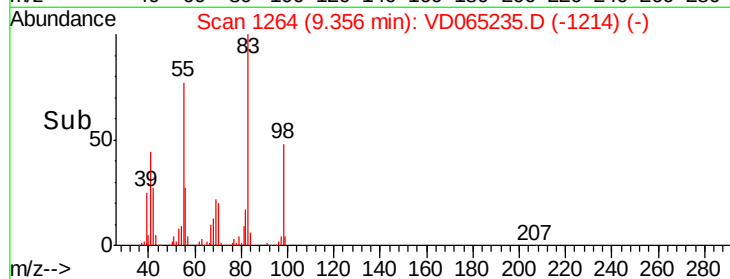
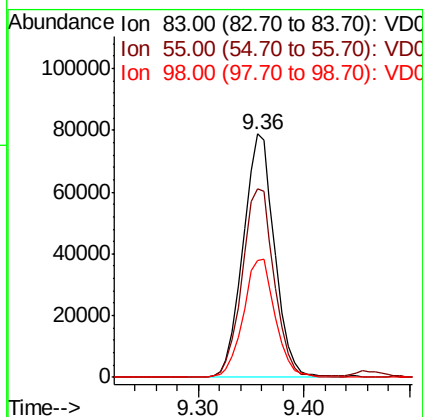
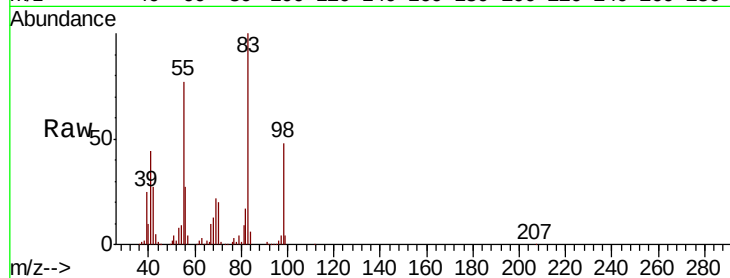




#39
Methylvlcyclohexane
Concen: 20.359 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

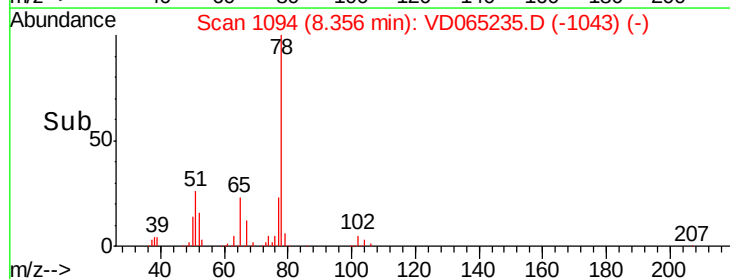
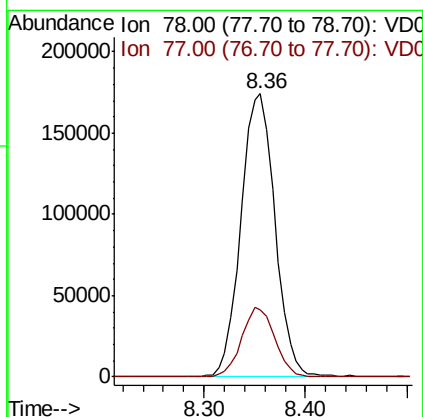
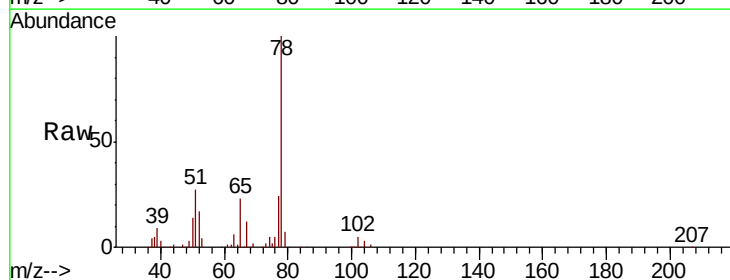
Instrument :
MSVOA_D
ClientSampled :

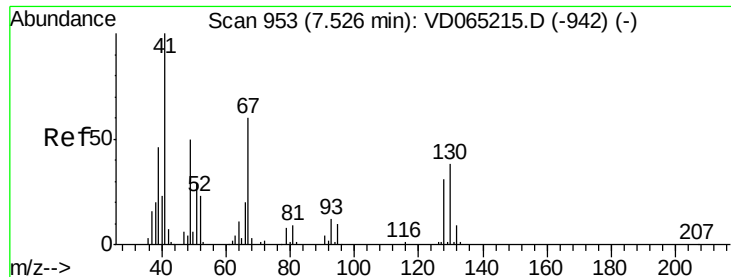
Tot Ion: 83 Resp: 162843
Ion Ratio Lower Upper
83 100
55 77.4 61.8 92.6
98 48.3 39.4 59.0



#40
Benzene
Concen: 21.088 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 78 Resp: 404970
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

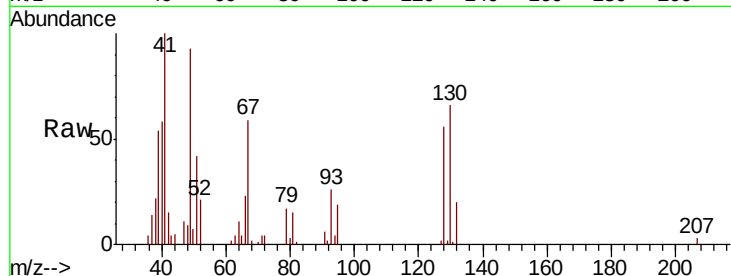




#41
Methacrylonitrile
Concen: 21.560 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	35406
Ion	Ratio	Lower	Upper
41	100		
39	46.5	48.1	72.1#
67	63.8	58.9	88.3
52	26.8	24.2	36.2



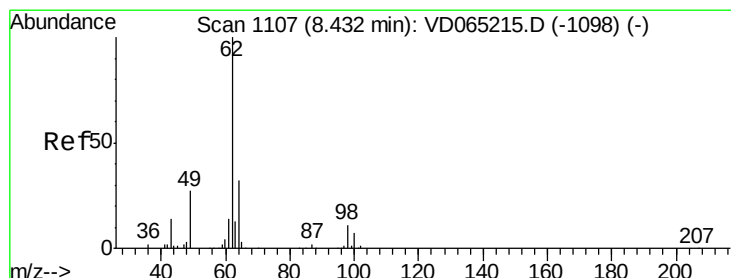
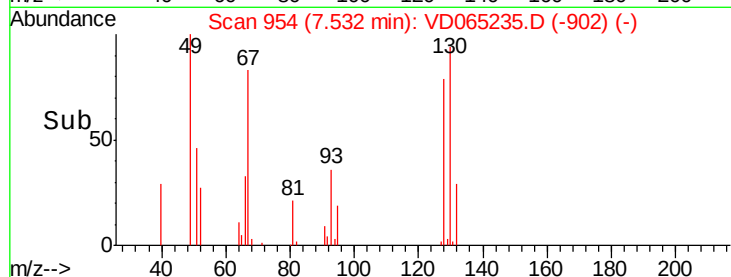
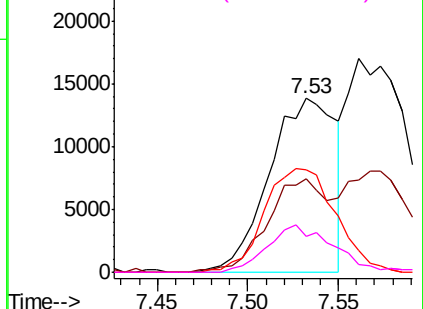
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

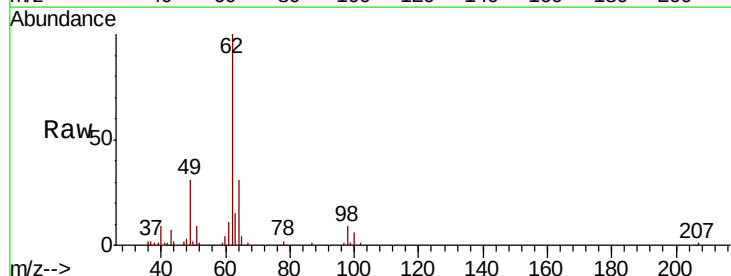
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.522 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

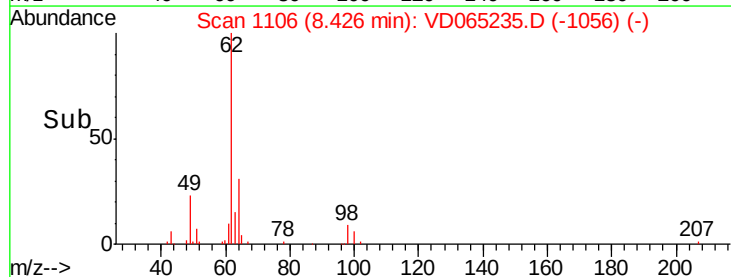
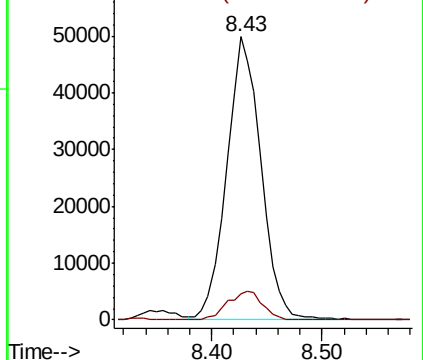
Tgt Ion:	62	Resp:	108343
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6

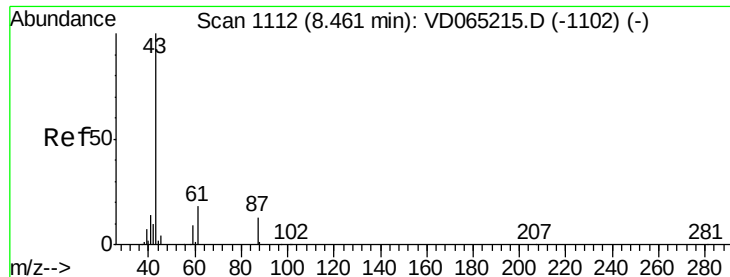


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.065 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

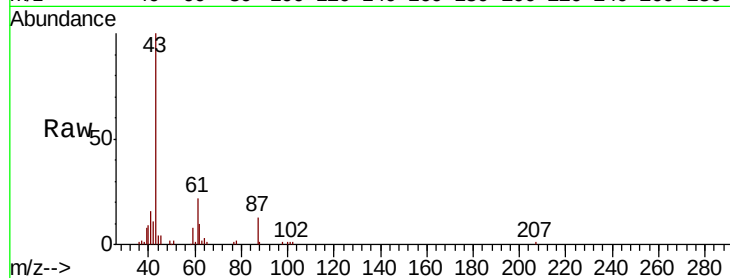
Tot Ion: 43 Resp: 103781

Ion Ratio Lower Upper

43 100

61 31.7 24.6 36.8

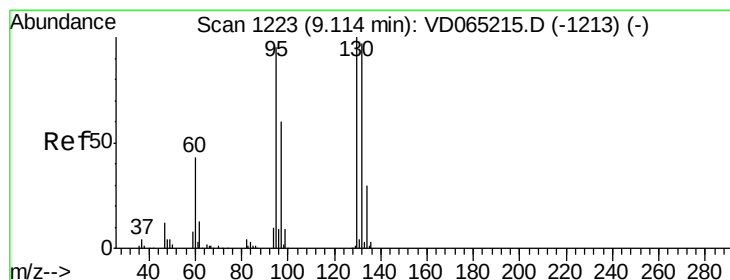
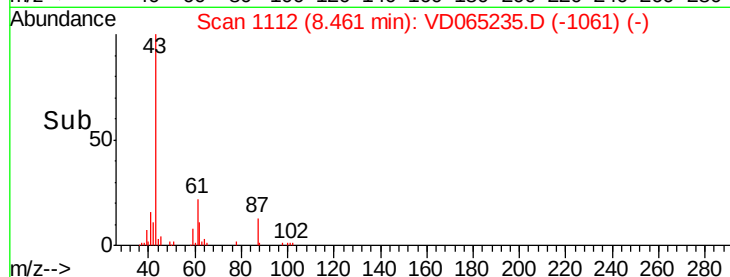
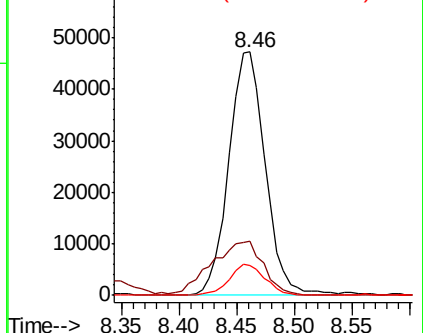
87 12.3 10.6 16.0



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: 20.759 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065235.D

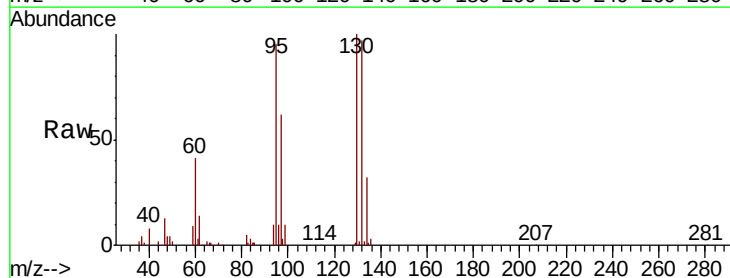
Acq: 19 Feb 2020 13:29

Tgt Ion:130 Resp: 110505

Ion Ratio Lower Upper

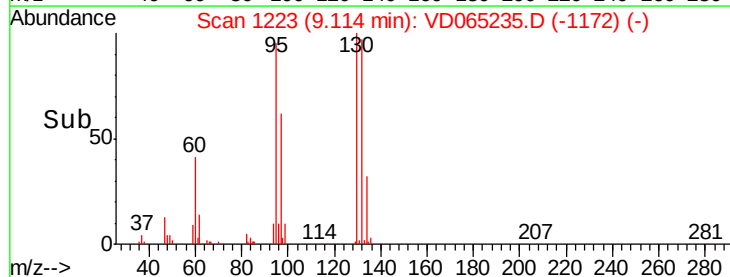
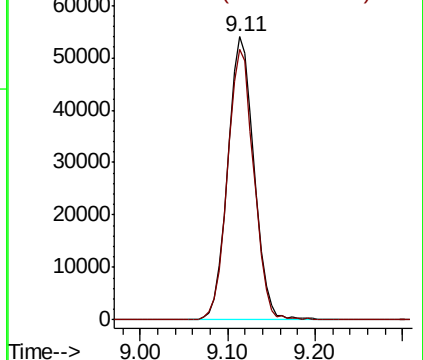
130 100

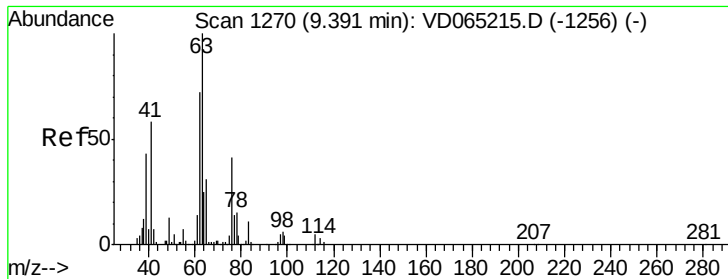
95 95.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.363 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

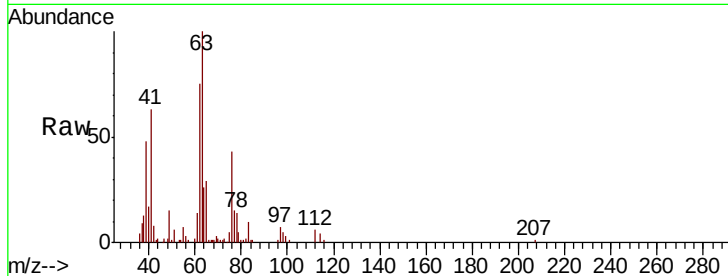
ClientSampled :

Tot Ion: 63 Resp: 97235

Ion Ratio Lower Upper

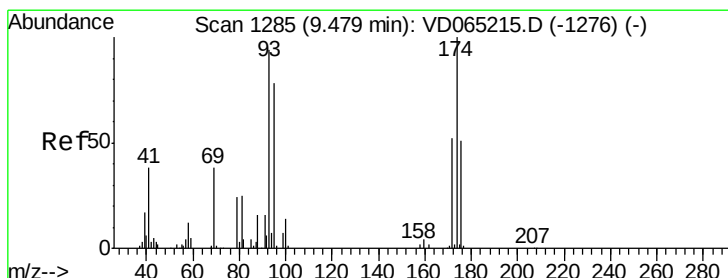
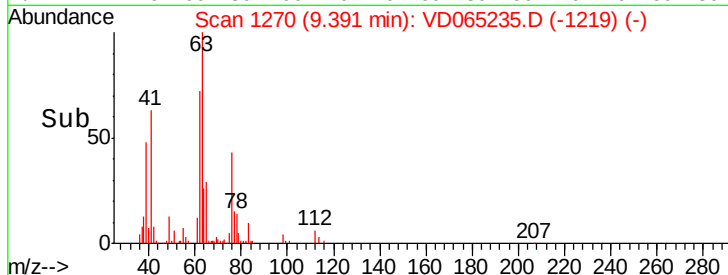
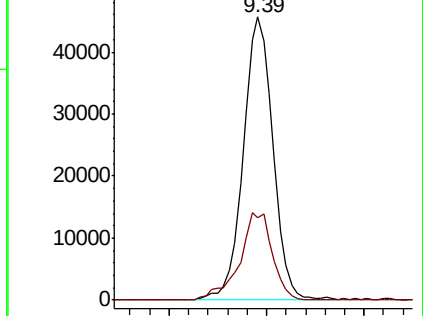
63 100

65 29.2 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: 20.910 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

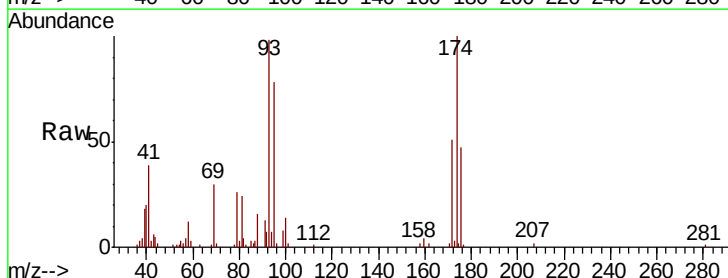
Tgt Ion: 93 Resp: 51375

Ion Ratio Lower Upper

93 100

95 81.3 65.8 98.6

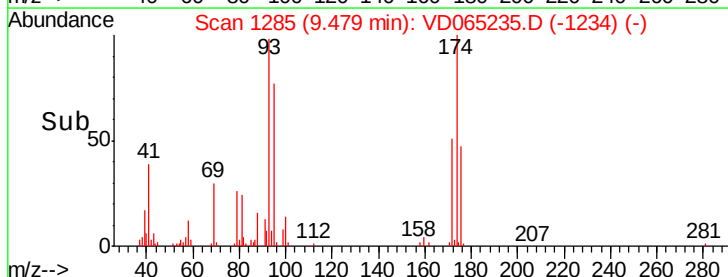
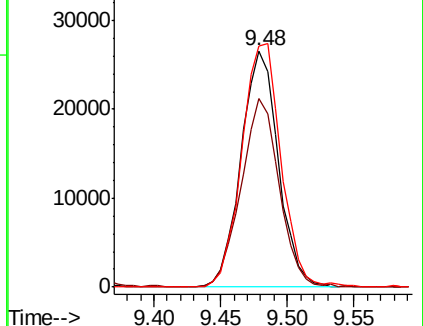
174 108.4 86.8 130.2

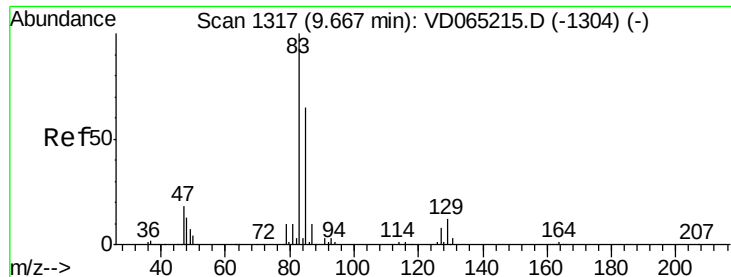


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

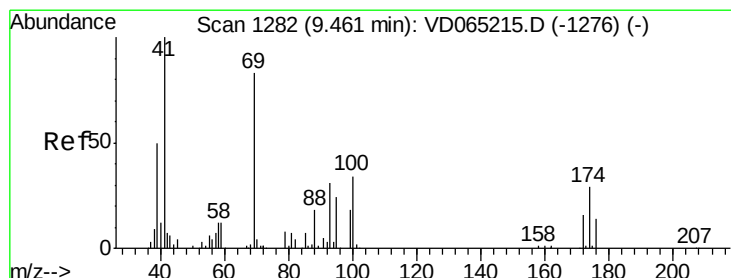
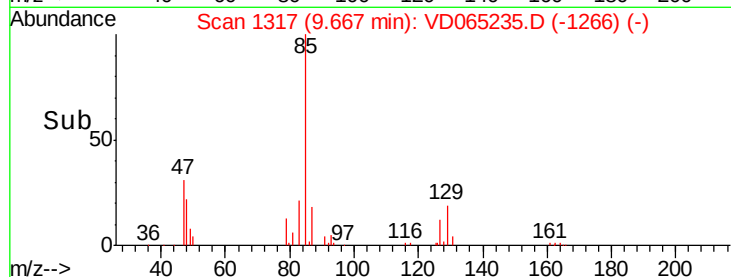
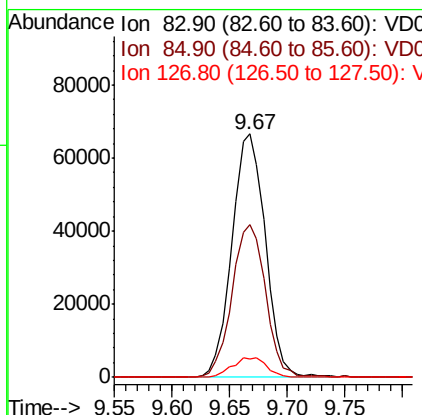
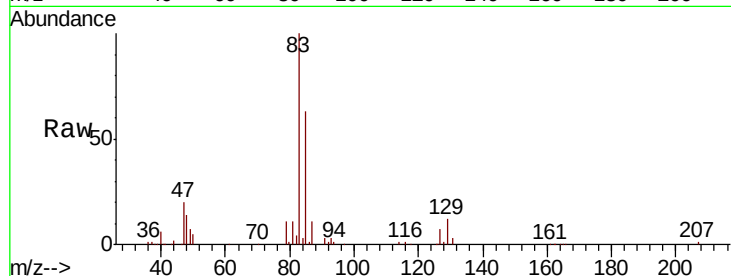




#47
Bromodichloromethane
Concen: 20.663 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

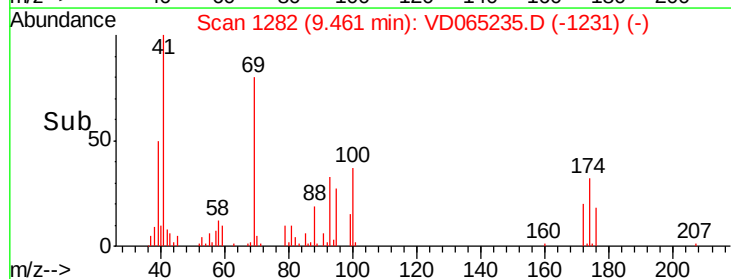
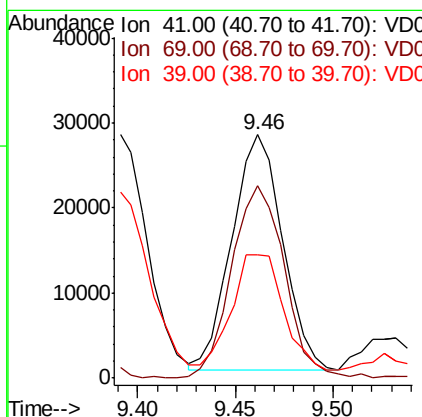
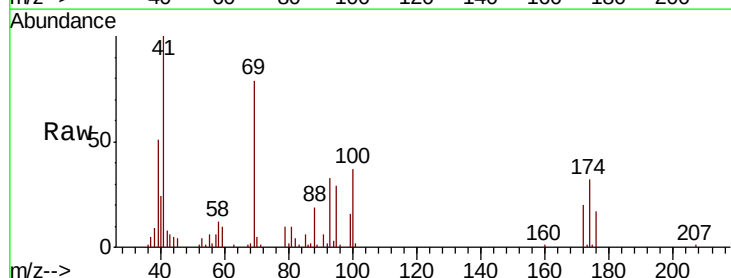
Instrument :
MSVOA_D
ClientSampled :

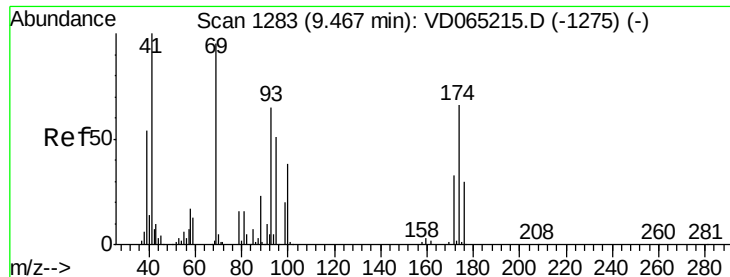
Tot Ion: 83 Resp: 133789
Ion Ratio Lower Upper
83 100
85 62.8 52.0 78.0
127 7.3 6.7 10.1



#48
Methyl methacrylate
Concen: 20.755 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 41 Resp: 49618
Ion Ratio Lower Upper
41 100
69 85.8 68.2 102.2
39 50.2 42.0 63.0

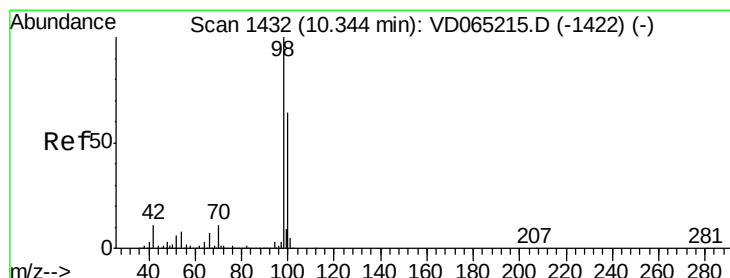
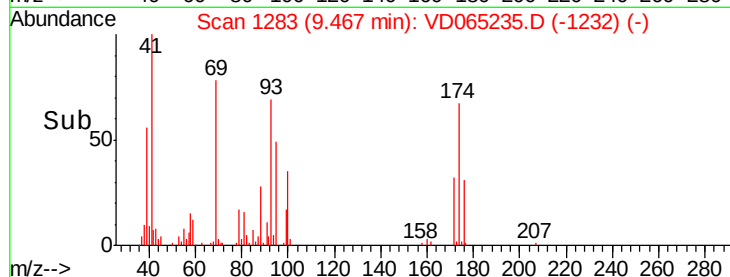
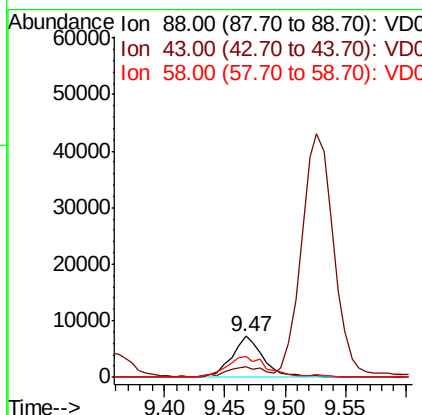
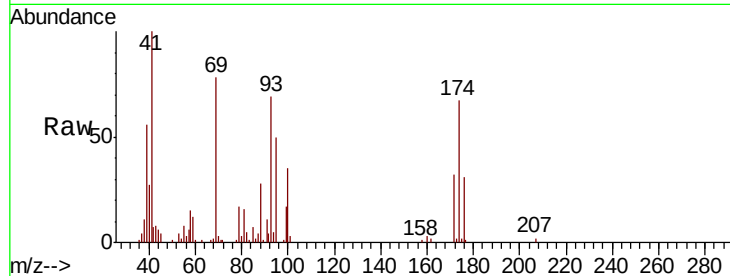




#49
 1,4-Dioxane
 Concen: 456.414 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

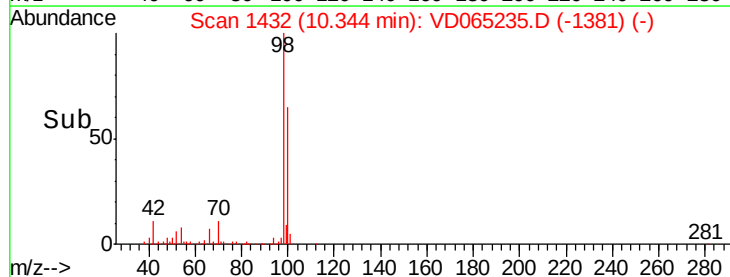
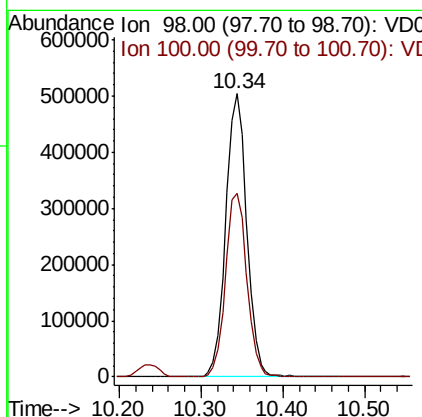
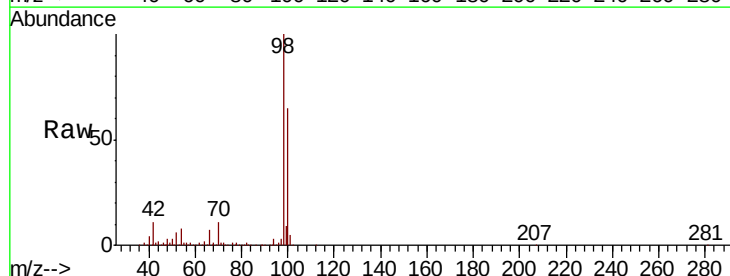
Instrument :
 MSVOA_D
 ClientSampleId :

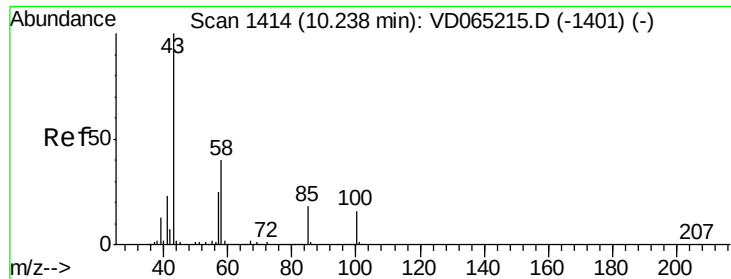
Tot Ion: 88 Resp: 13152
 Ion Ratio Lower Upper
 88 100
 43 31.8 28.5 42.7
 58 62.2 58.6 87.8



#50
 Toluene-d8
 Concen: 55.335 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion: 98 Resp: 901907
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 101.914 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

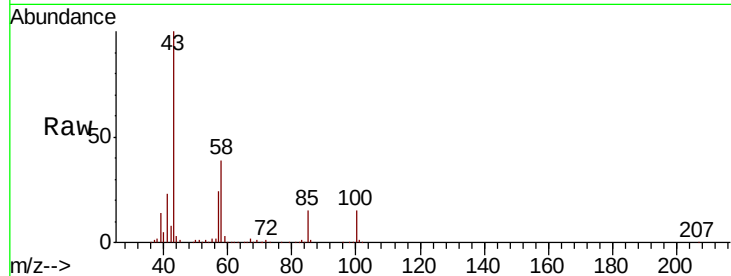
ClientSampleId :

Tot Ion: 43 Resp: 267726

Ion Ratio Lower Upper

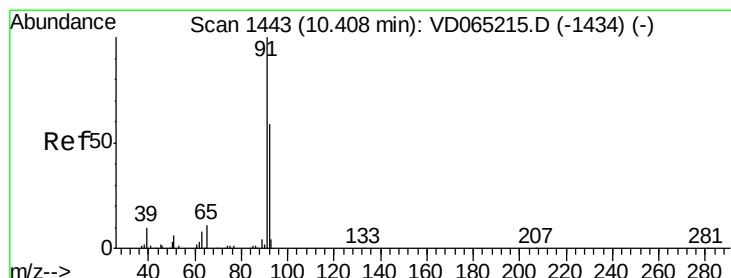
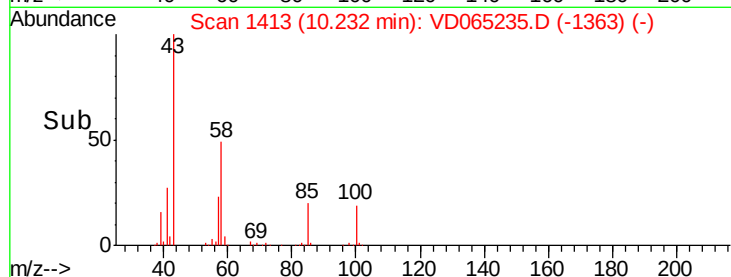
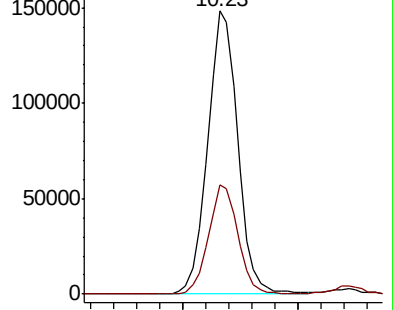
43 100

58 37.8 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.668 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065235.D

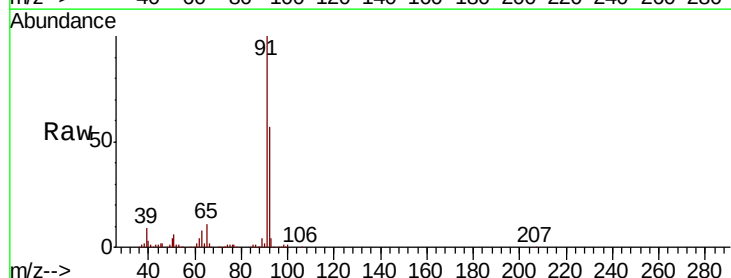
Acq: 19 Feb 2020 13:29

Tgt Ion: 92 Resp: 257561

Ion Ratio Lower Upper

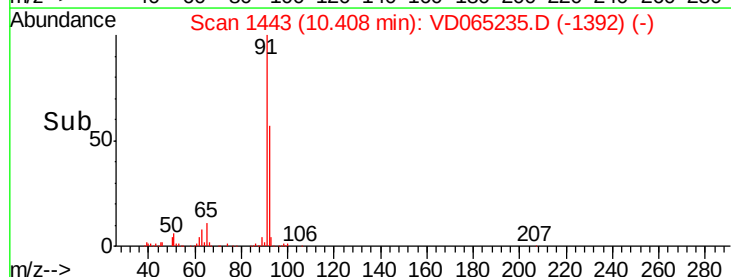
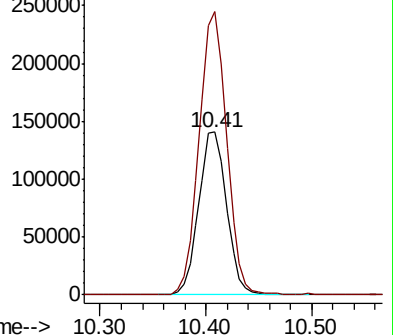
92 100

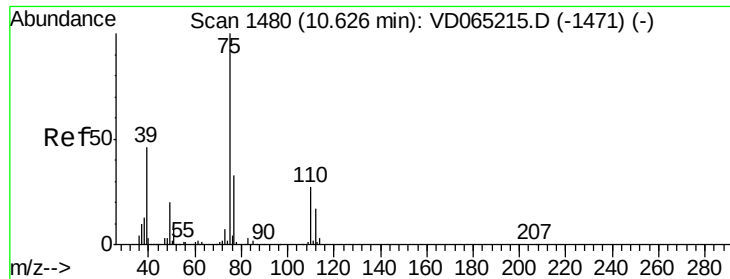
91 171.9 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.464 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

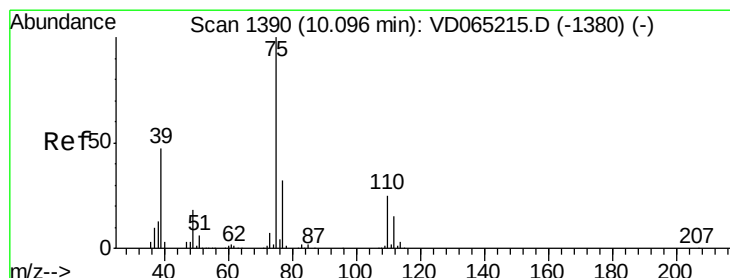
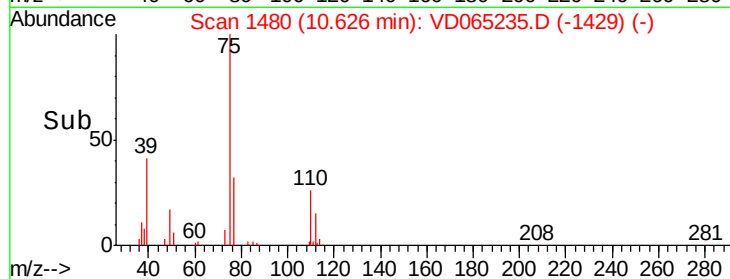
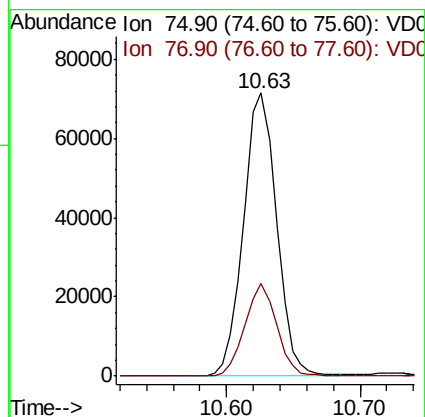
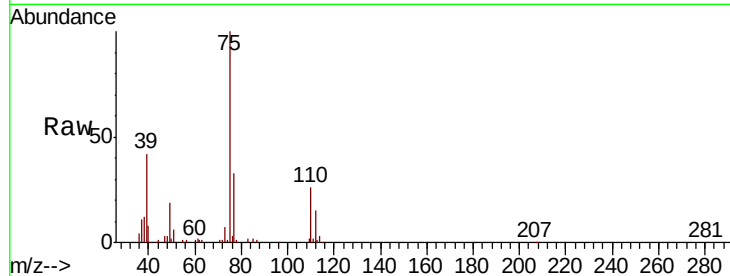
ClientSampleId :

Tot Ion: 75 Resp: 122816

Ion Ratio Lower Upper

75 100

77 32.9 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.463 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

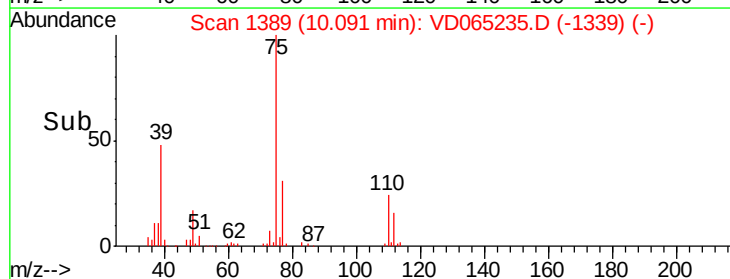
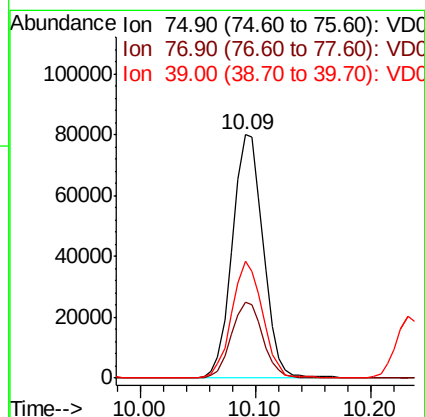
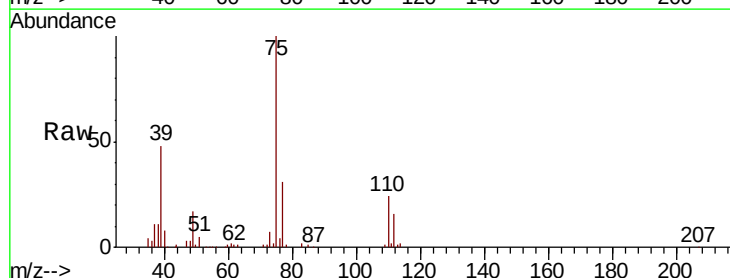
Tgt Ion: 75 Resp: 148299

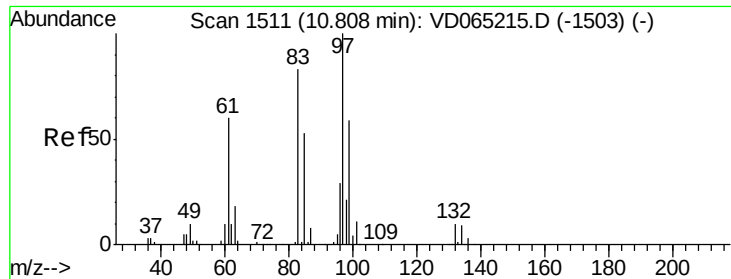
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 47.6 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 19.851 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 68647

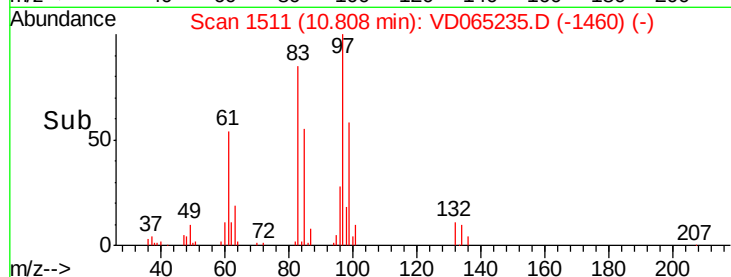
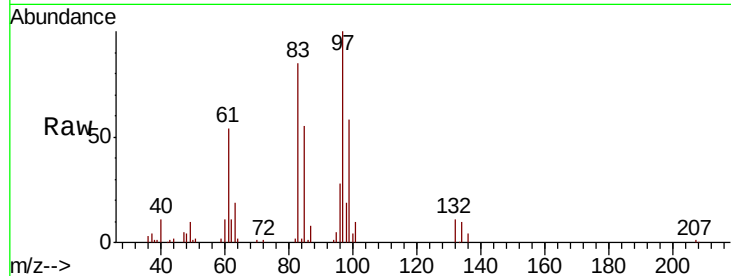
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	55.3	42.4	63.6
99	58.3	47.5	71.3

97 100

83 85.8 66.7 100.1

85 55.3 42.4 63.6

99 58.3 47.5 71.3



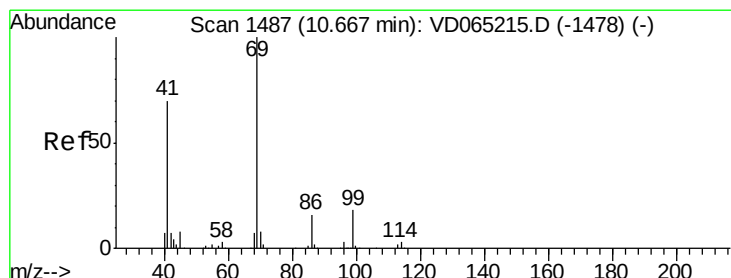
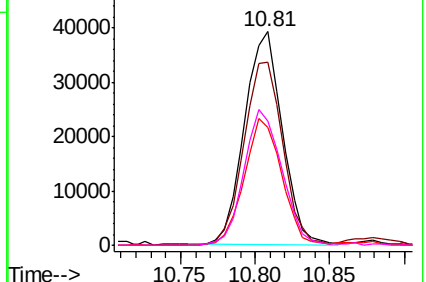
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 19.781 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

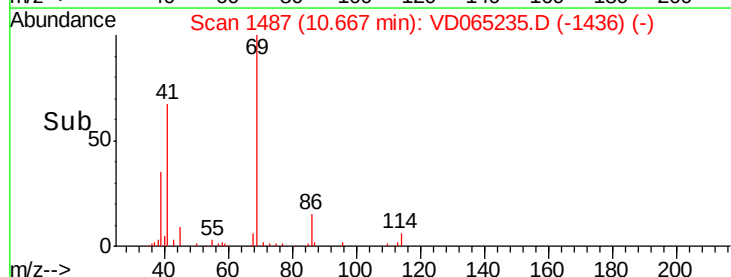
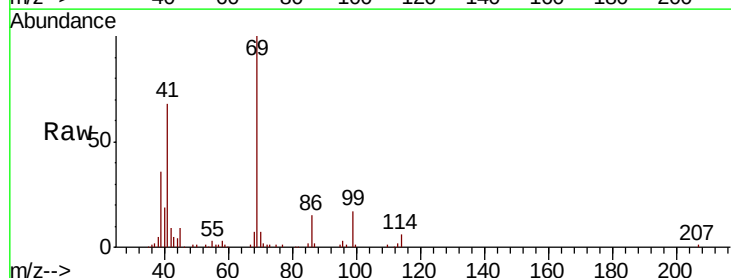
Tgt Ion: 69 Resp: 78954

Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.6	81.8
39	32.5	26.5	39.7

69 100

41 69.9 54.6 81.8

39 32.5 26.5 39.7

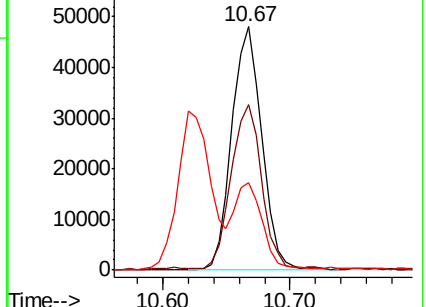


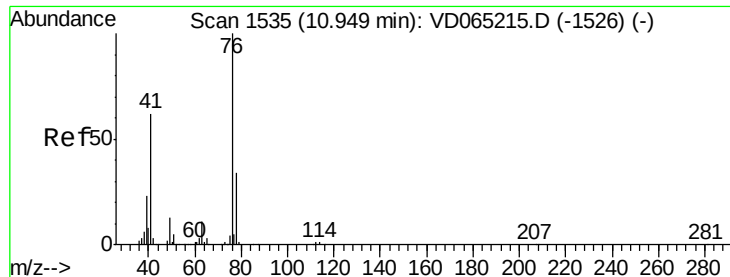
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 20.590 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

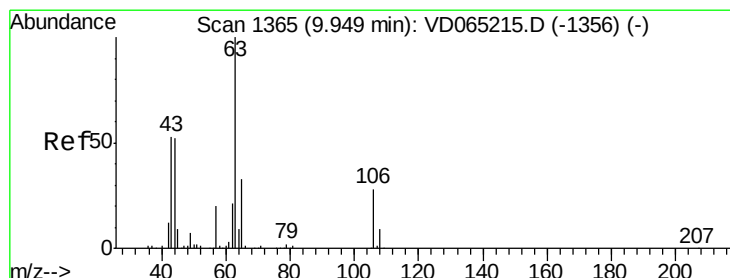
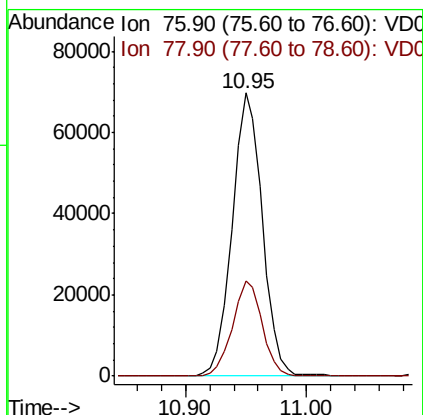
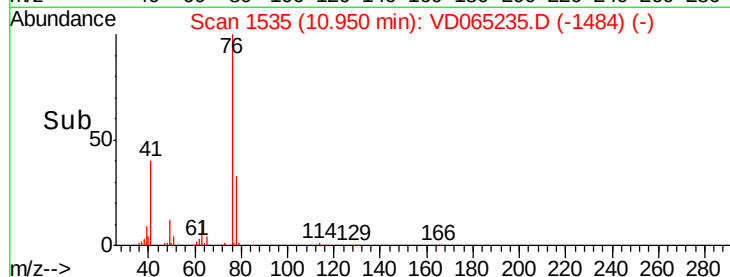
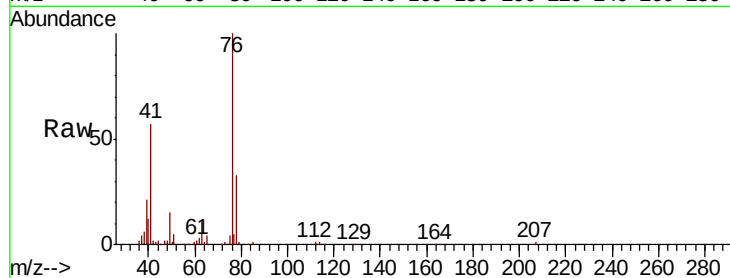
ClientSampleId :

Tot Ion: 76 Resp: 121184

Ion Ratio Lower Upper

76 100

78 33.2 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 89.907 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065235.D

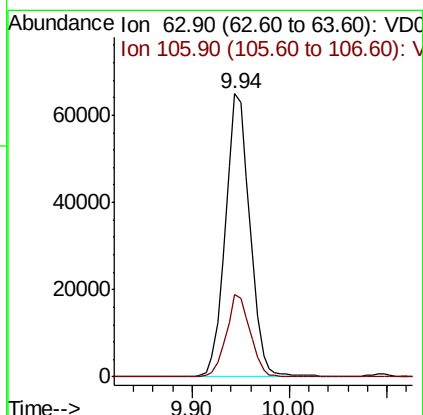
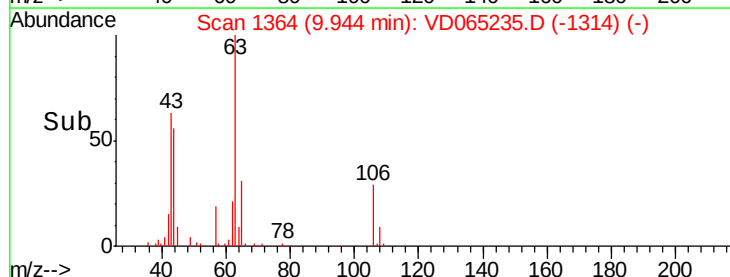
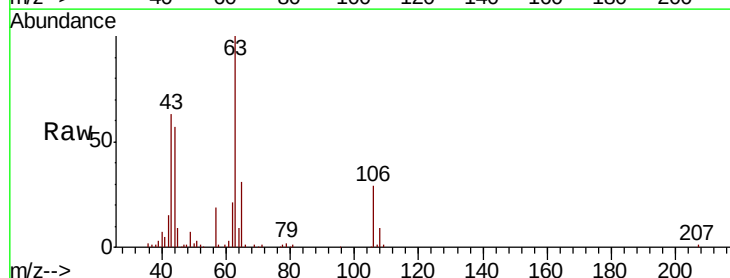
Acq: 19 Feb 2020 13:29

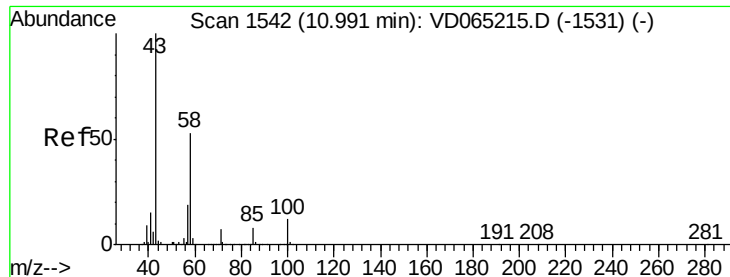
Tgt Ion: 63 Resp: 113137

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2

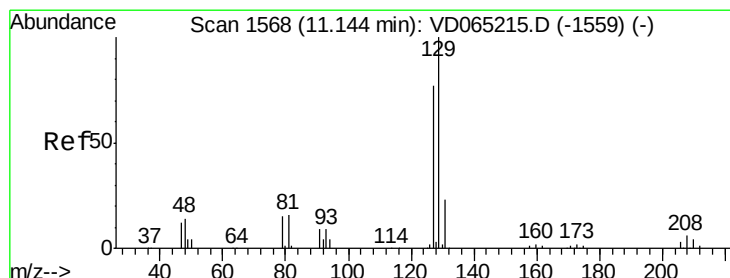
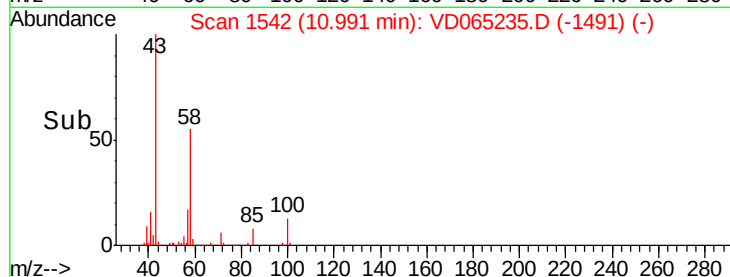
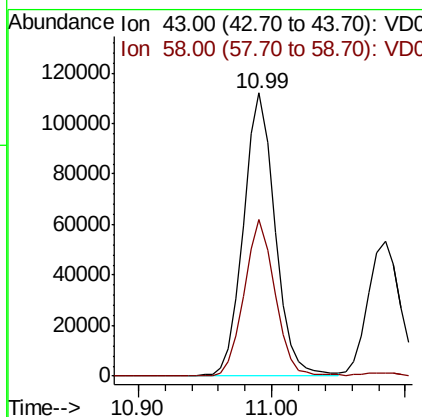
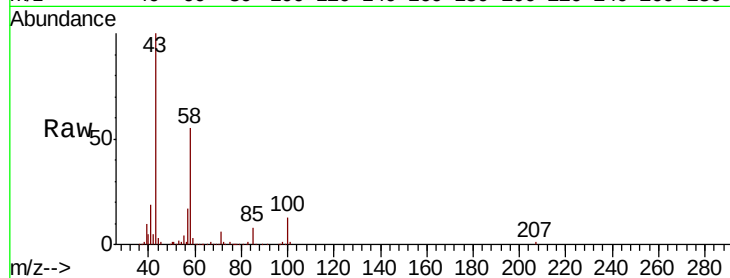




#59
2-Hexanone
Concen: 97.431 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

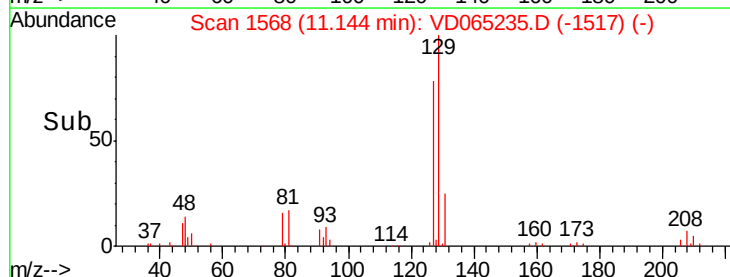
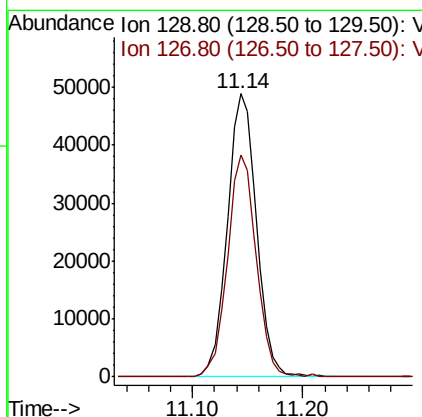
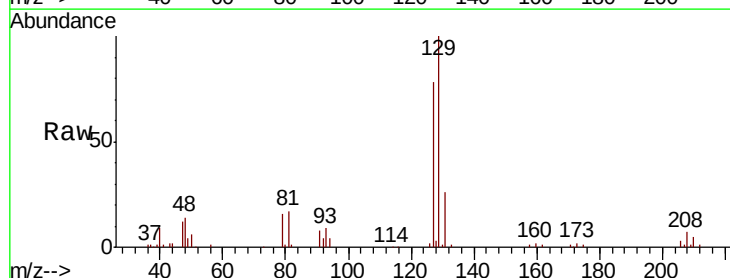
Instrument :
MSVOA_D
ClientSampleId :

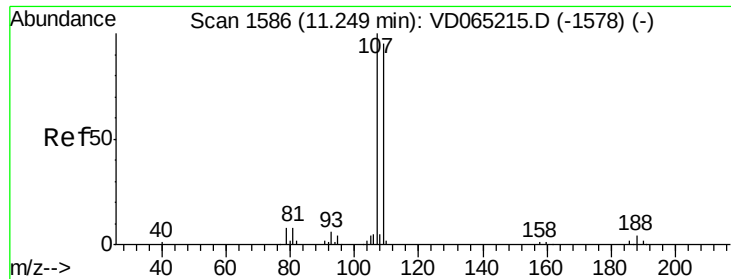
Tot Ion: 43 Resp: 183219
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.8



#60
Dibromochloromethane
Concen: 20.449 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:129 Resp: 90512
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.738 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

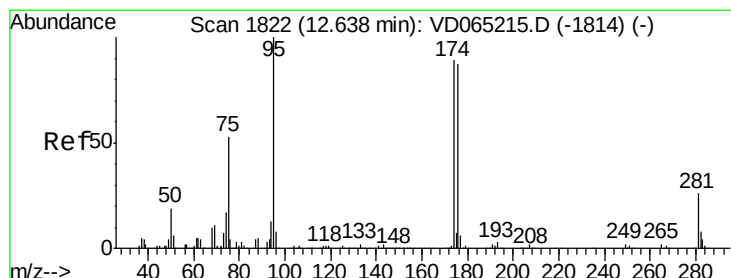
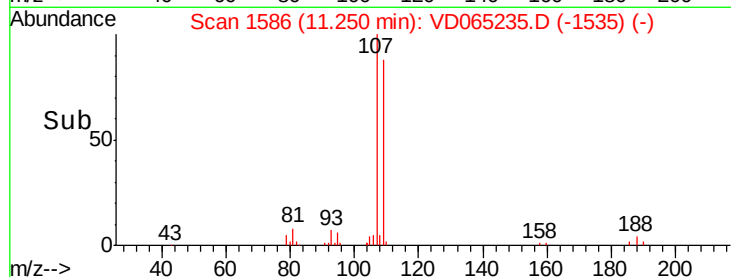
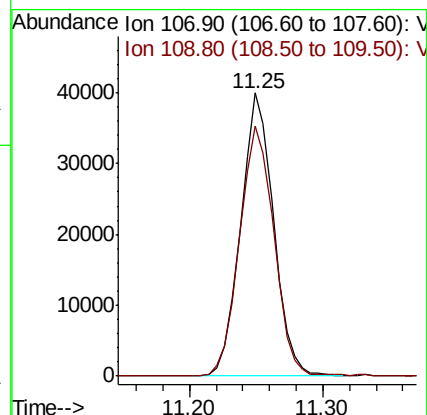
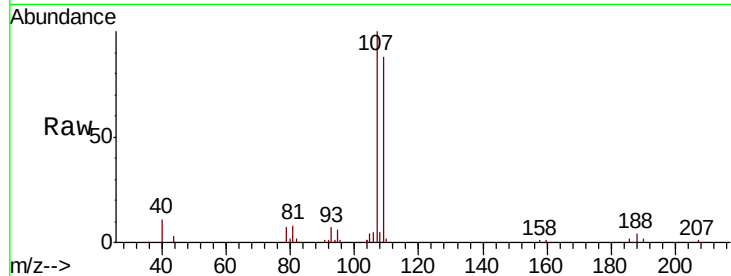
ClientSampleId :

Tot Ion:107 Resp: 67900

Ion Ratio Lower Upper

107 100

109 92.9 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 54.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

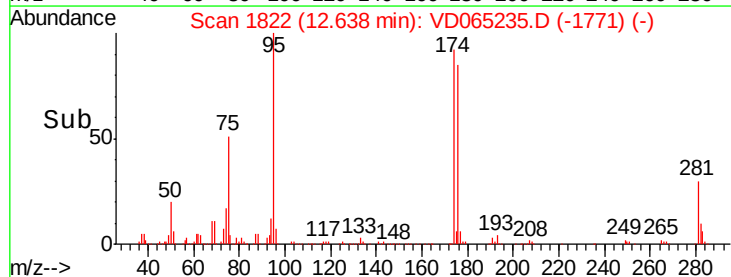
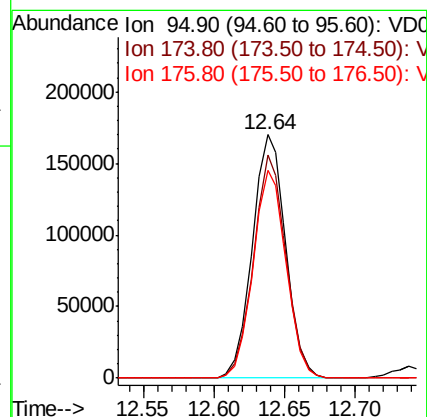
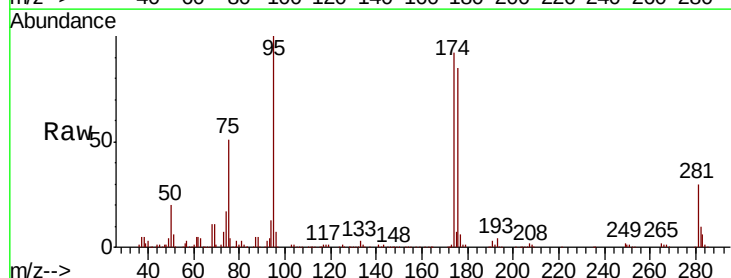
Tgt Ion: 95 Resp: 281476

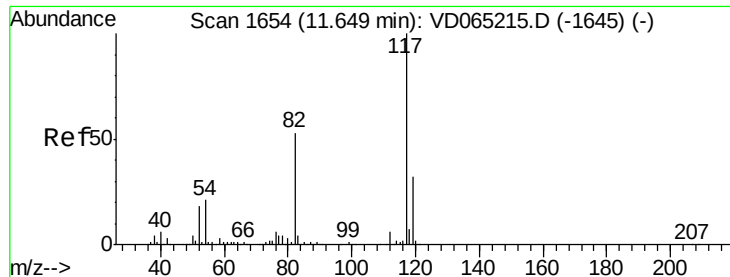
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

176 84.6 0.0 174.4

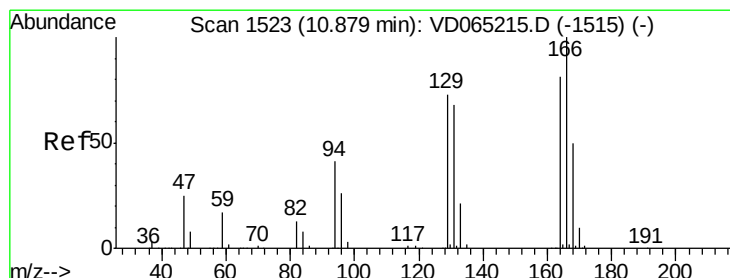
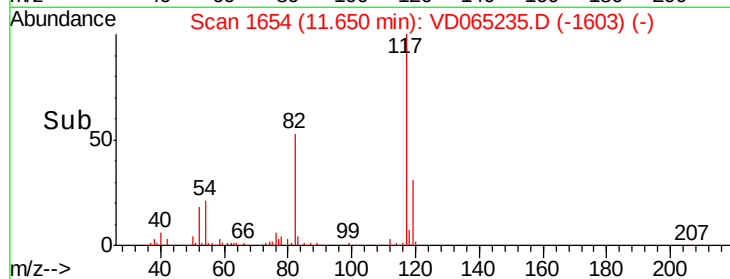
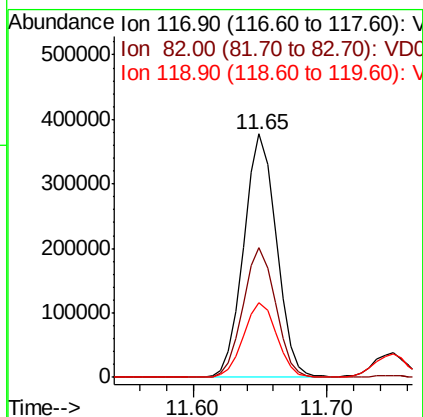
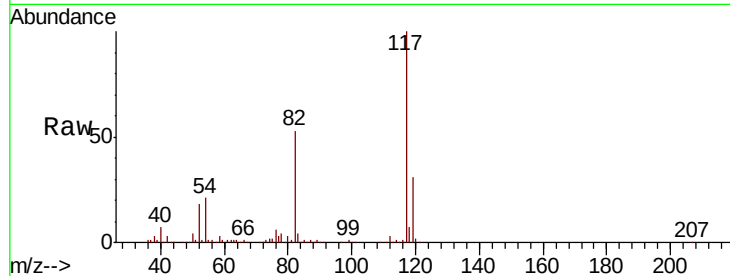




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

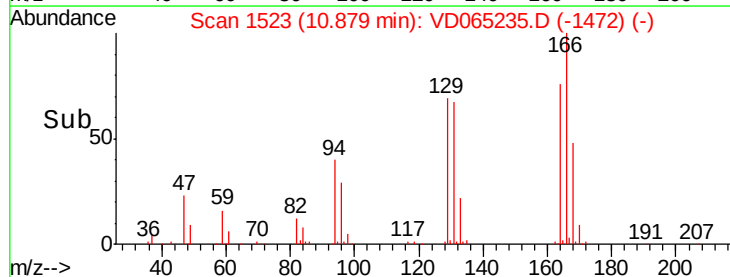
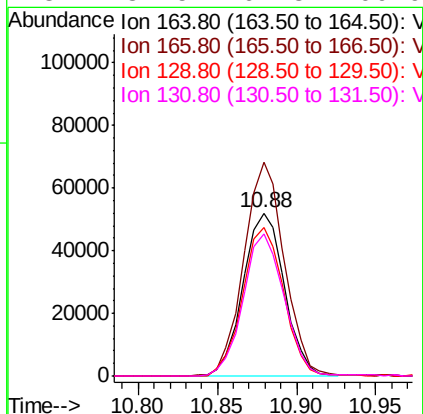
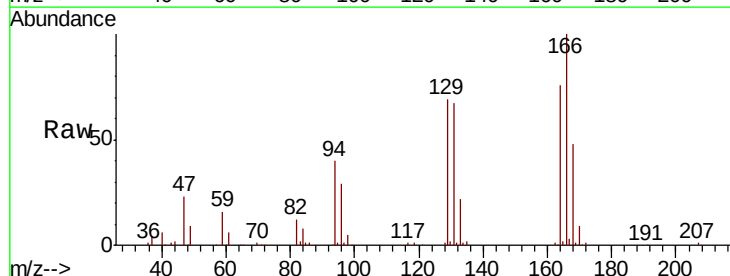
Instrument :
MSVOA_D
ClientSampled :

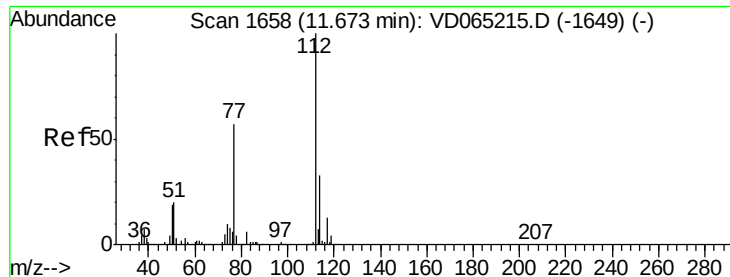
Tot Ion:117 Resp: 638998
Ion Ratio Lower Upper
117 100
82 53.2 42.7 64.1
119 30.8 25.5 38.3



#64
Tetrachloroethene
Concen: 20.788 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:164 Resp: 94209
Ion Ratio Lower Upper
164 100
166 131.1 98.4 147.6
129 90.9 71.6 107.4
131 87.5 67.3 100.9

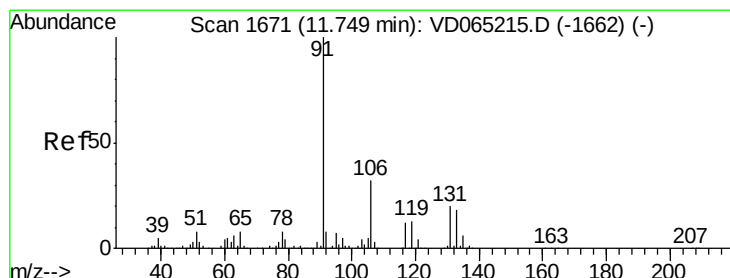
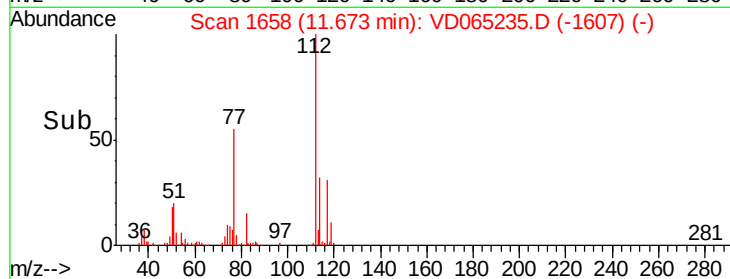
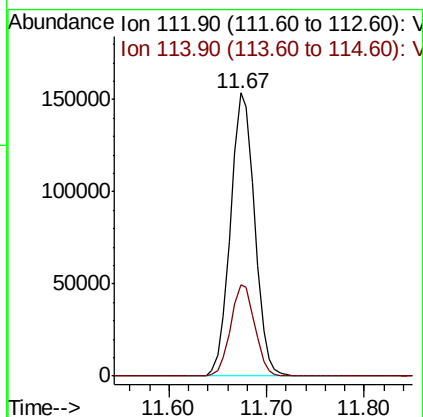
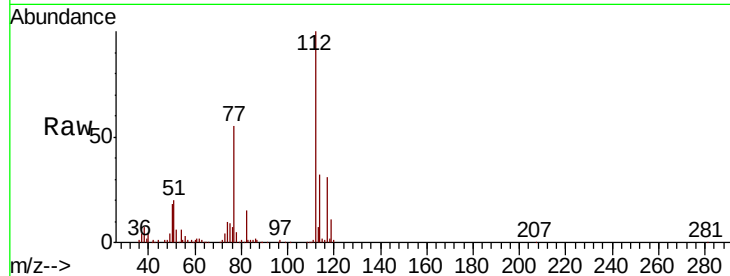




#65
Chlorobenzene
Concen: 20.595 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

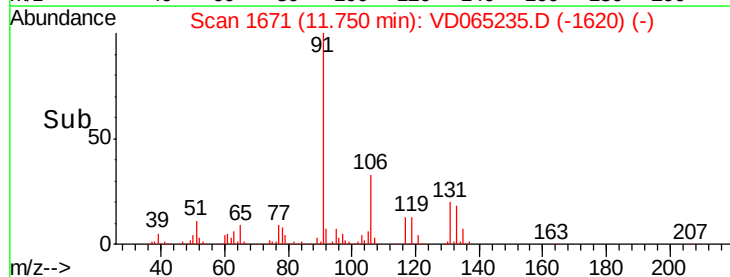
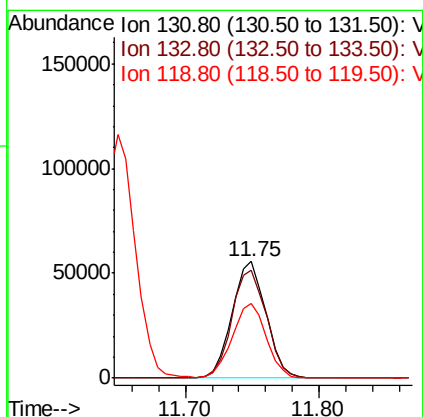
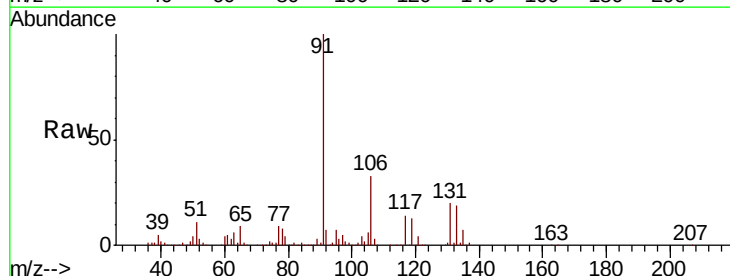
Instrument :
MSVOA_D
ClientSampleId :

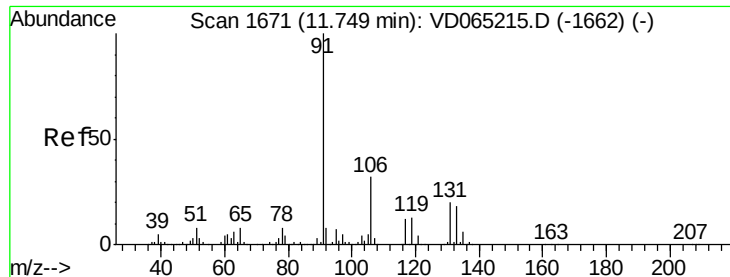
Tot Ion:112 Resp: 264095
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.500 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:131 Resp: 98095
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 64.7 32.7 98.1





#67

Ethyl Benzene

Concen: 20.689 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

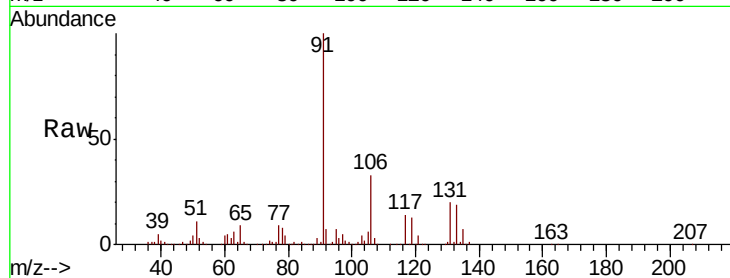
ClientSampled :

Tot Ion: 91 Resp: 464640

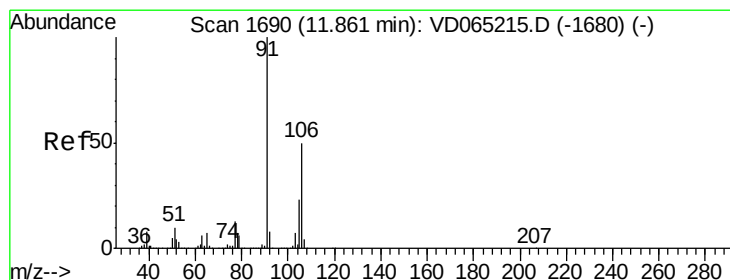
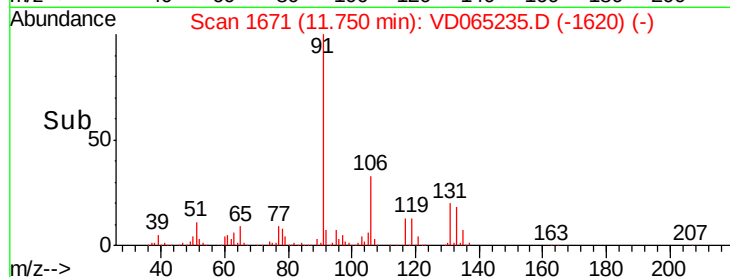
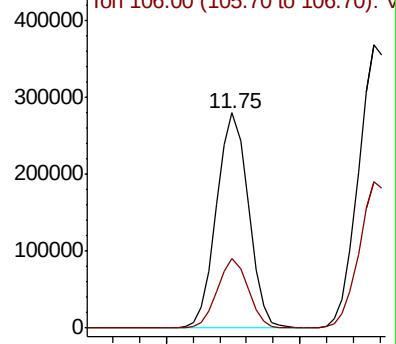
Ion Ratio Lower Upper

91 100

106 32.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 42.092 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065235.D

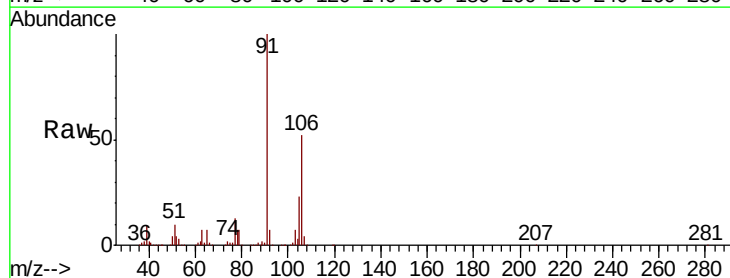
Acq: 19 Feb 2020 13:29

Tgt Ion: 106 Resp: 361672

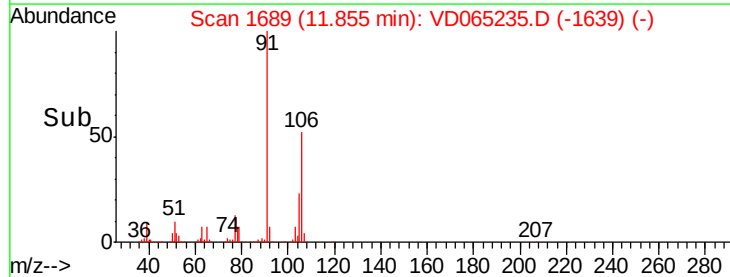
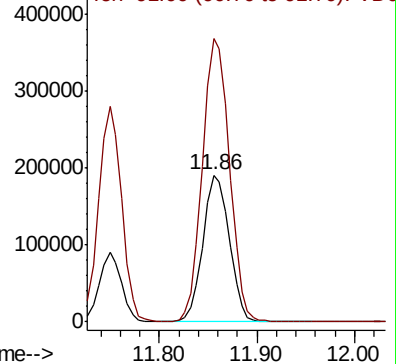
Ion Ratio Lower Upper

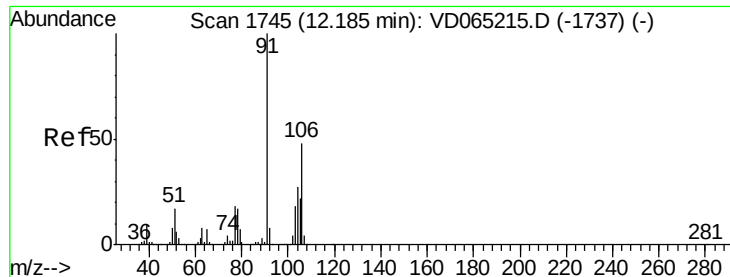
106 100

91 197.1 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

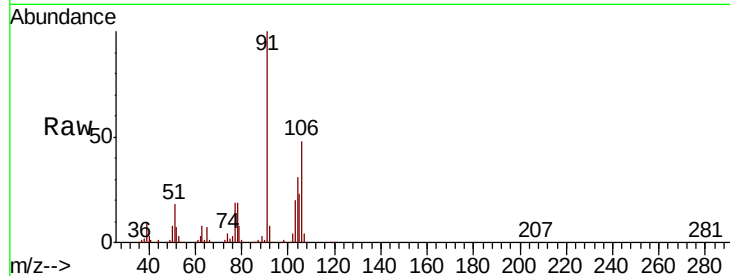




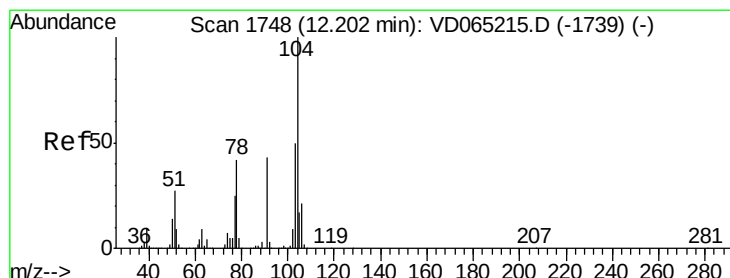
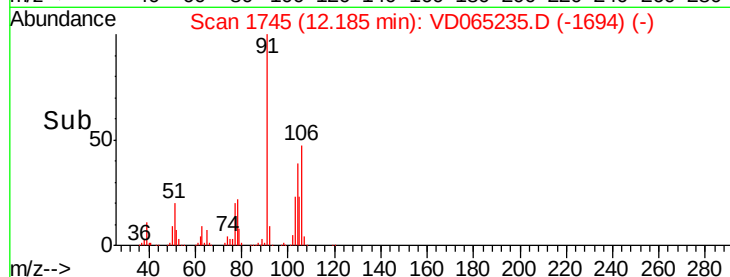
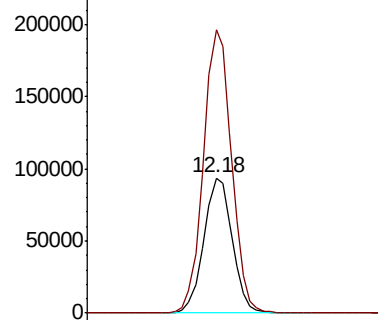
#69
o-Xylene
Concen: 20.884 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 158976
Ion Ratio Lower Upper
106 100
91 207.5 104.7 313.9

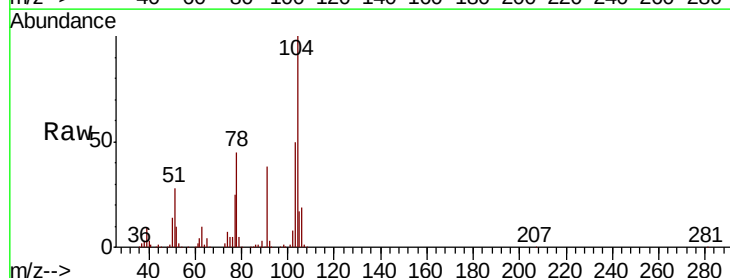


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

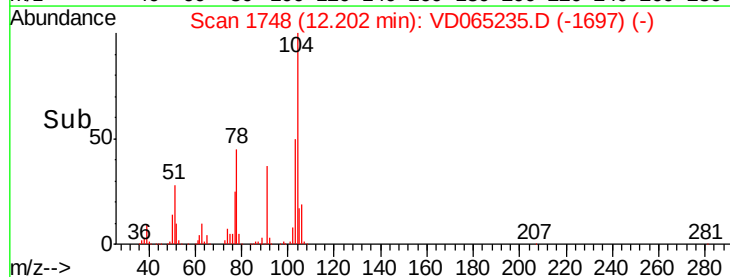
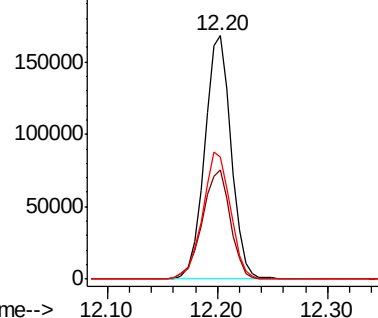


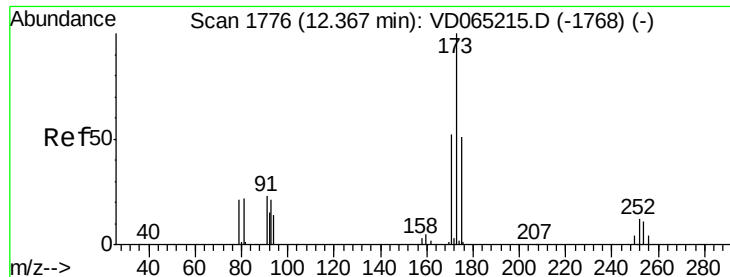
#70
Styrene
Concen: 20.884 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:104 Resp: 282254
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.1 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

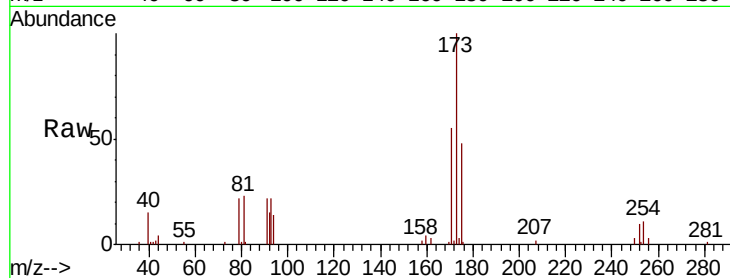




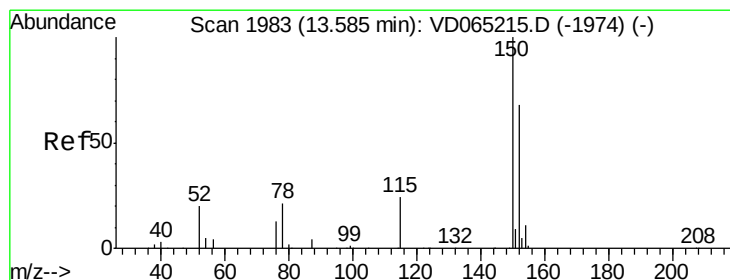
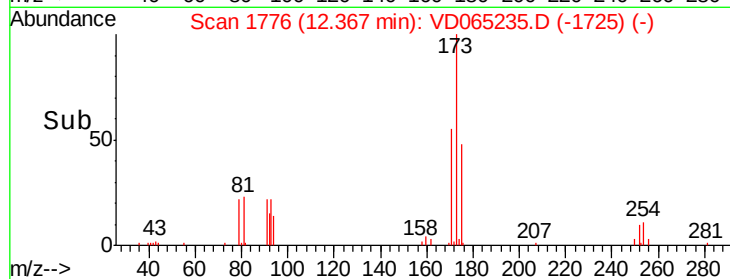
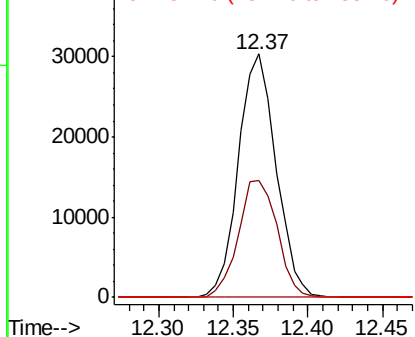
#71
Bromoform
Concen: 20.015 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 53146
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.4
254 0.0 0.0 0.0

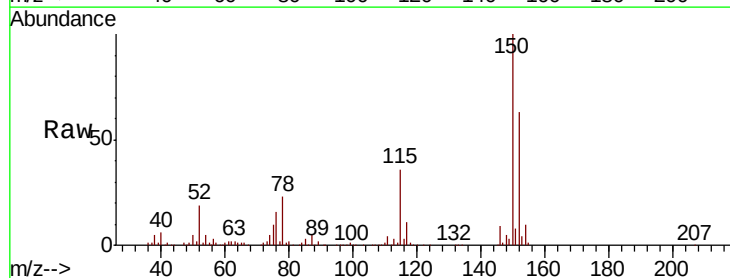


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

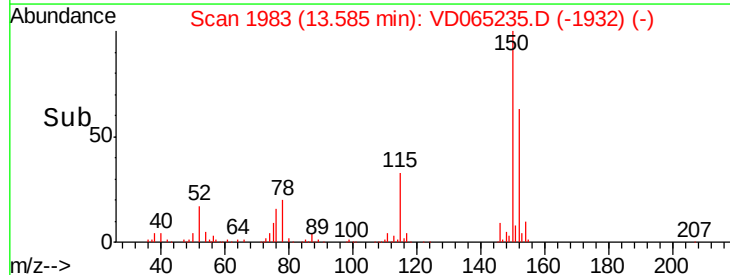
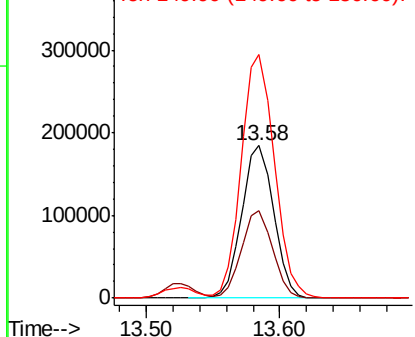


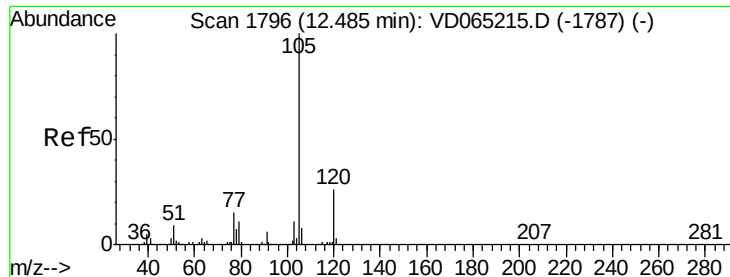
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:152 Resp: 304575
Ion Ratio Lower Upper
152 100
115 56.1 27.6 82.8
150 166.2 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: 21.312 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

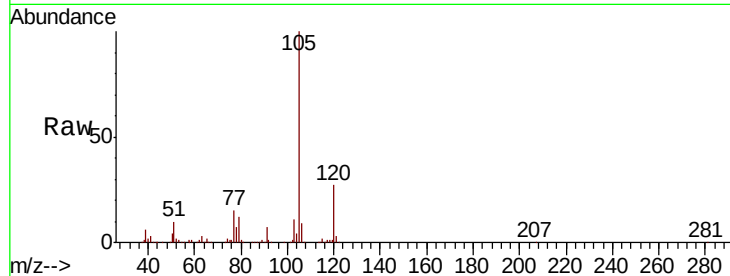
ClientSampleId :

Tot Ion:105 Resp: 429737

Ion Ratio Lower Upper

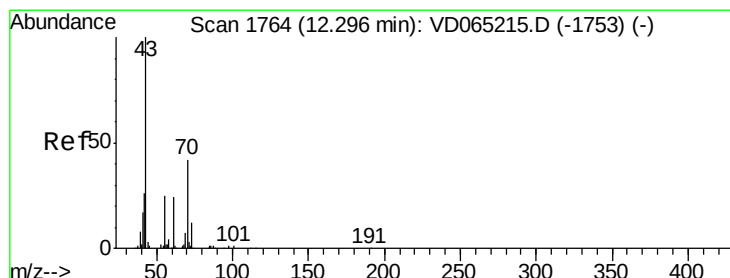
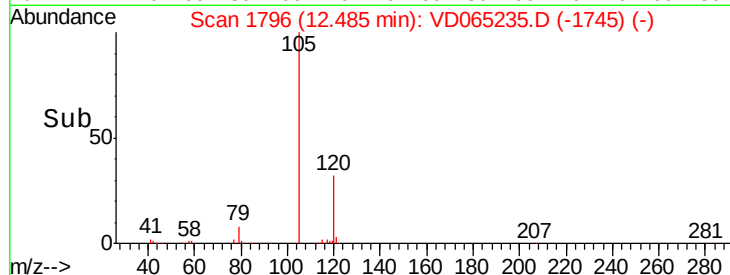
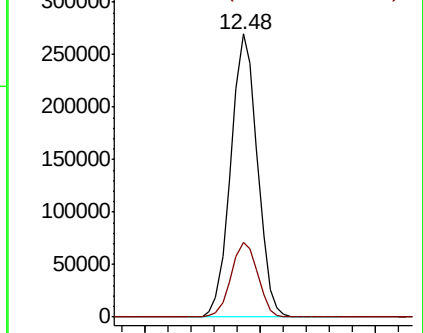
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.182 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion: 43 Resp: 90428

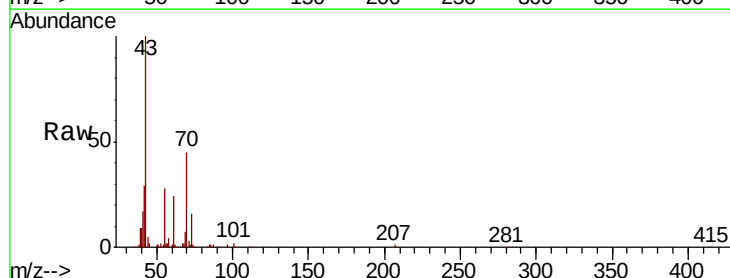
Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 27.8 20.7 31.1

61 23.5 19.0 28.4

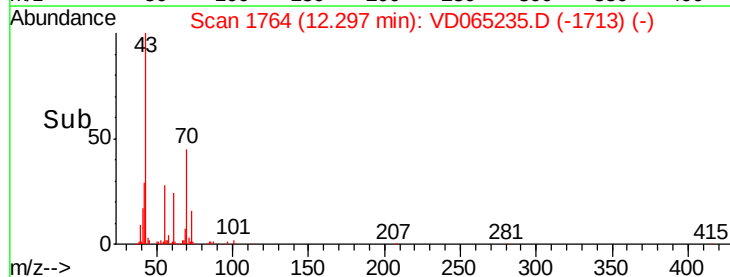
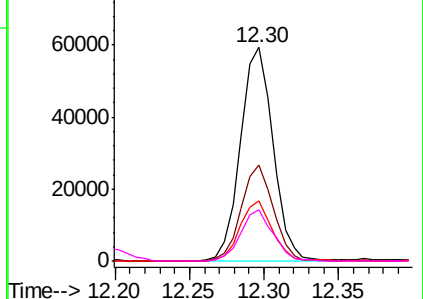


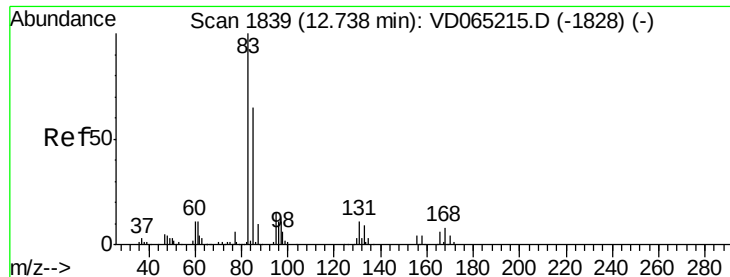
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.664 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

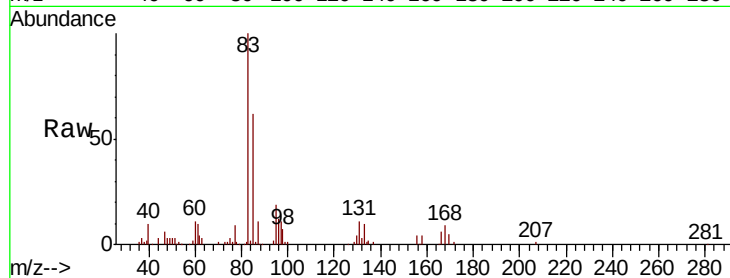
Tot Ion: 83 Resp: 75200

Ion Ratio Lower Upper

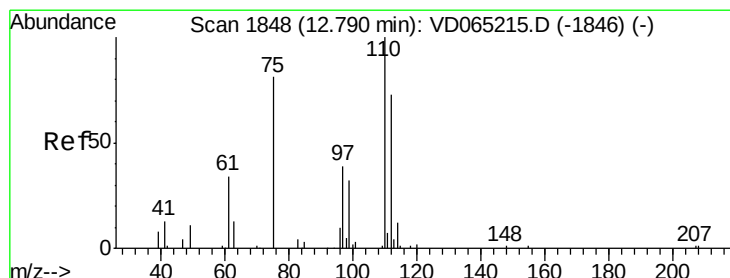
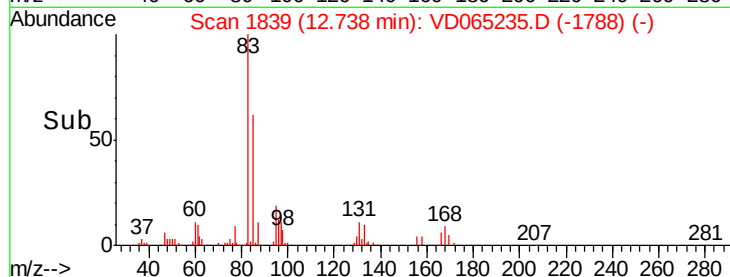
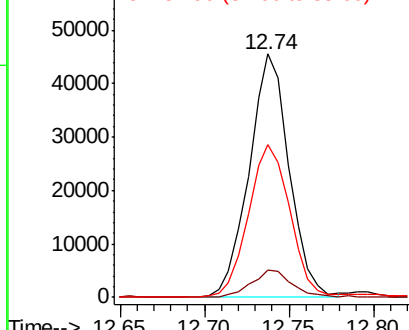
83 100

131 11.3 5.4 16.2

85 64.9 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.270 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065235.D

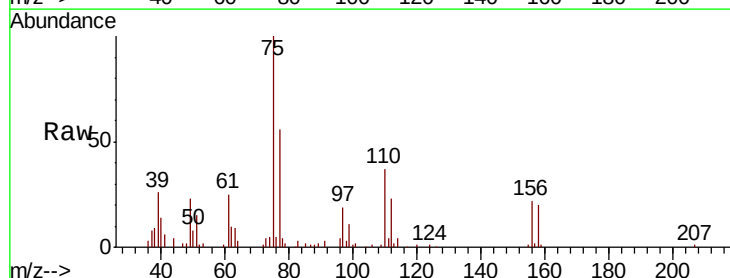
Acq: 19 Feb 2020 13:29

Tgt Ion: 75 Resp: 99174

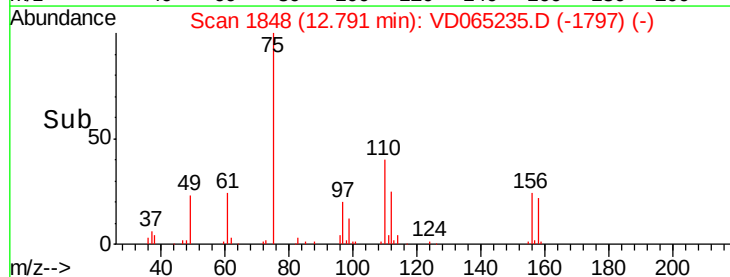
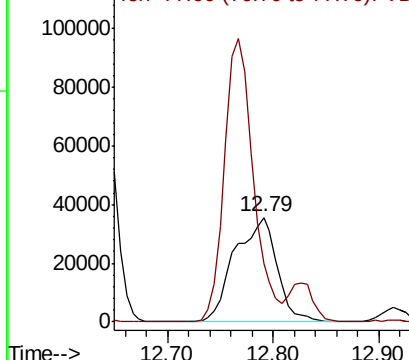
Ion Ratio Lower Upper

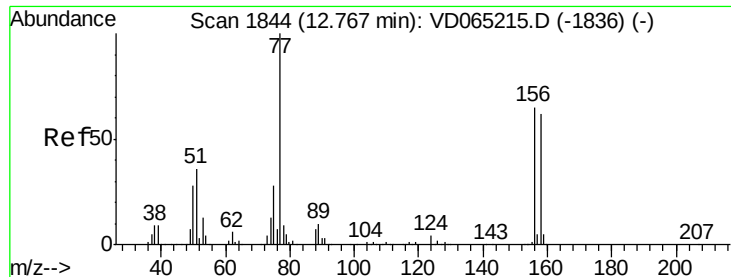
75 100

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: 21.215 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

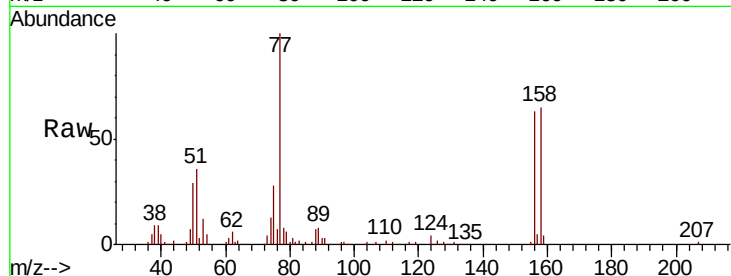
Tot Ion:156 Resp: 106226

Ion Ratio Lower Upper

156 100

77 173.7 86.6 259.7

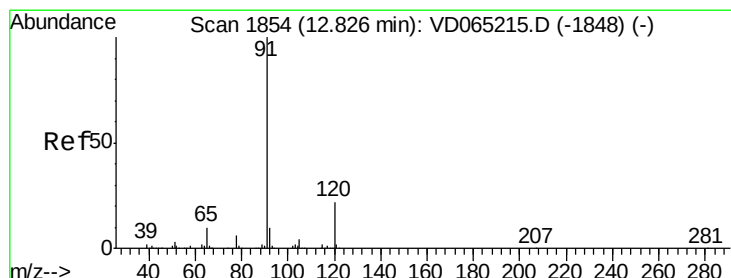
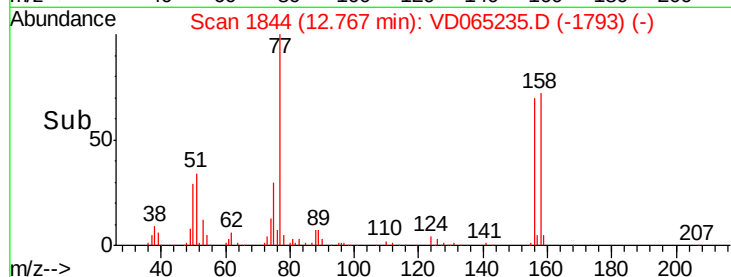
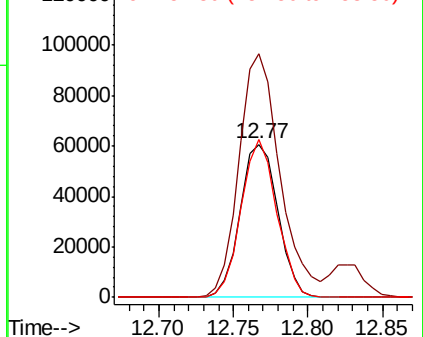
158 97.9 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.794 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065235.D

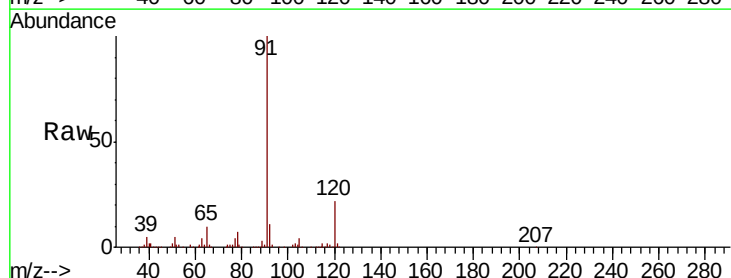
Acq: 19 Feb 2020 13:29

Tgt Ion: 91 Resp: 528115

Ion Ratio Lower Upper

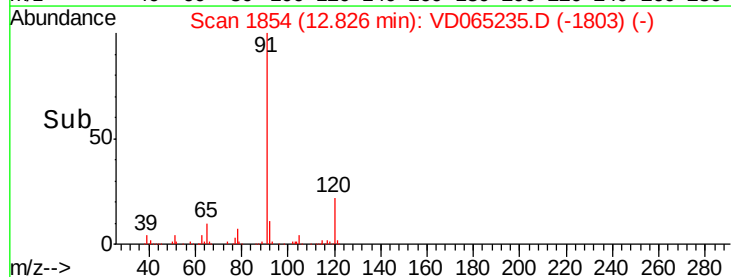
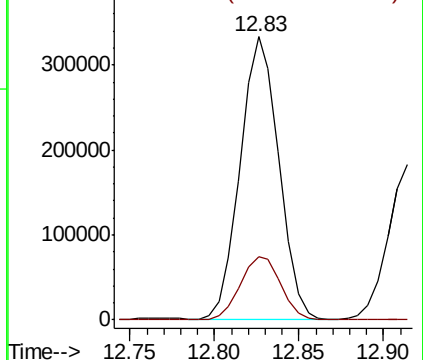
91 100

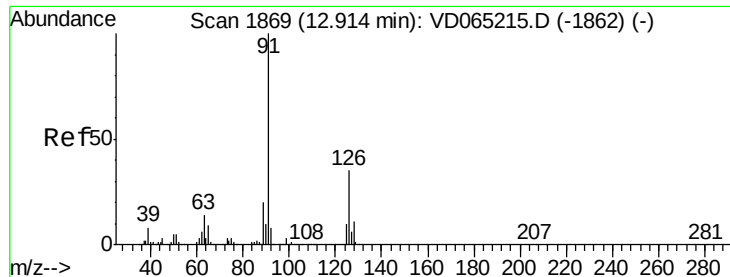
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

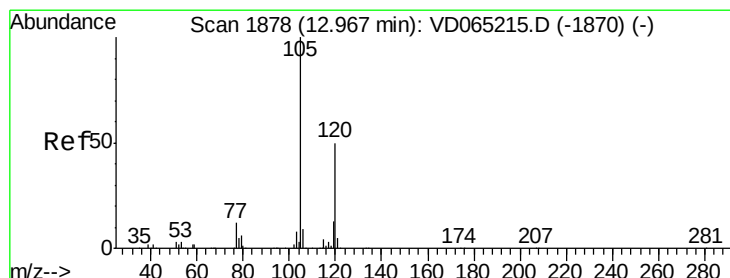
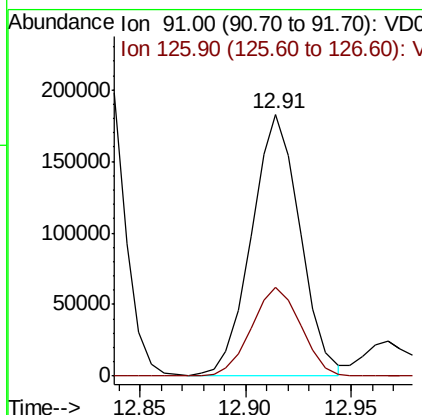
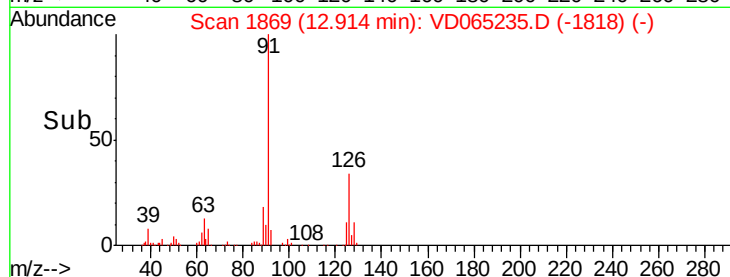
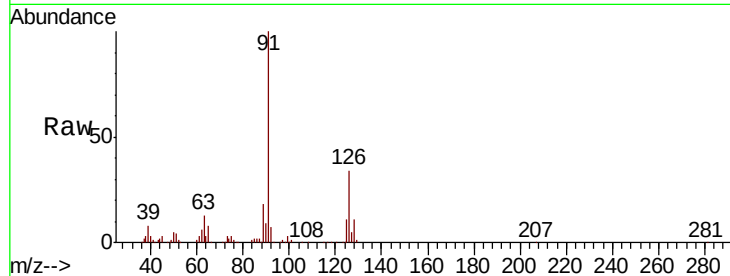




#79
 2-Chlorotoluene
 Concen: 21.463 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

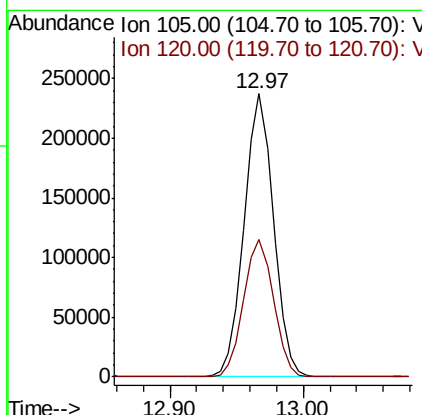
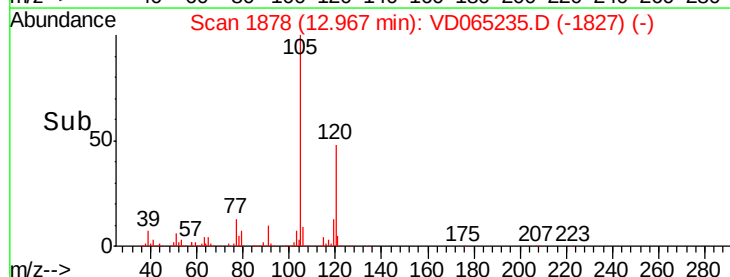
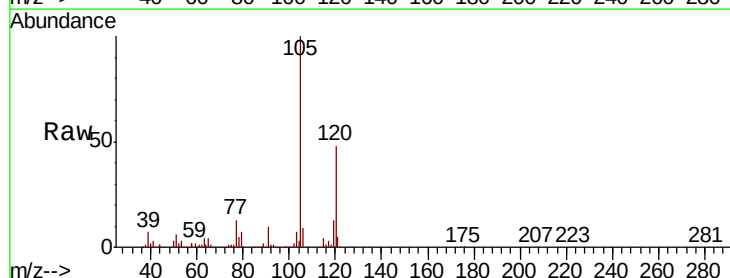
Instrument :
 MSVOA_D
 ClientSampleId :

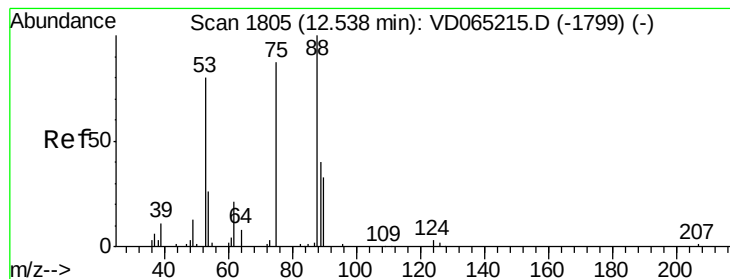
Tot Ion: 91 Resp: 291351
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.569 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion: 105 Resp: 358214
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.496 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

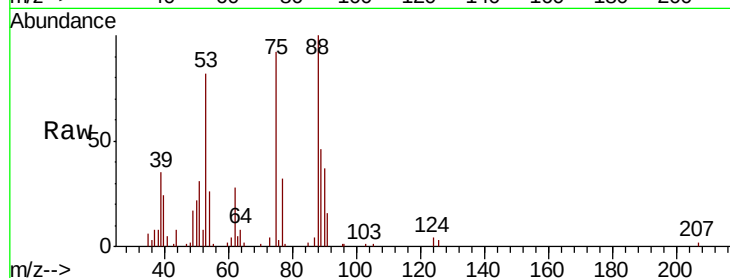
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 24599

Ion	Ratio	Lower	Upper
75	100		
53	97.5	77.6	116.4
89	45.1	37.2	55.8

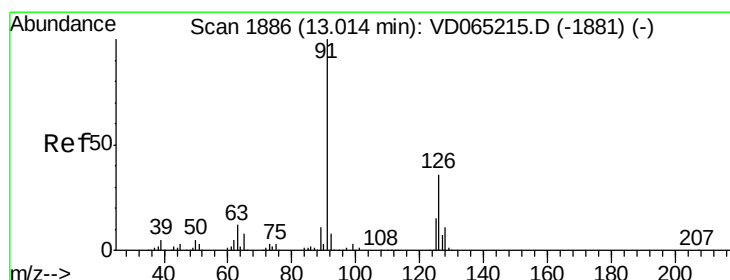
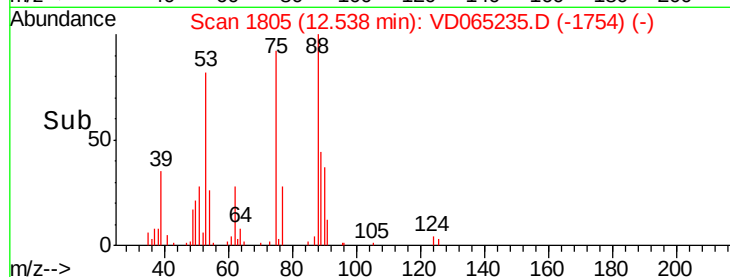
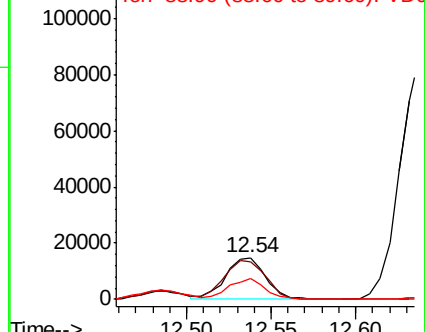


Abundance

Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.188 ug/l

RT: 13.01 min Scan# 1886

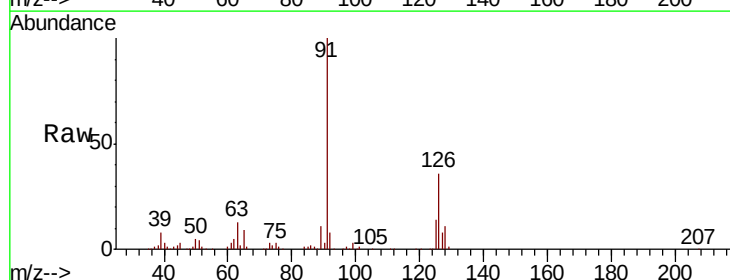
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion: 91 Resp: 305350

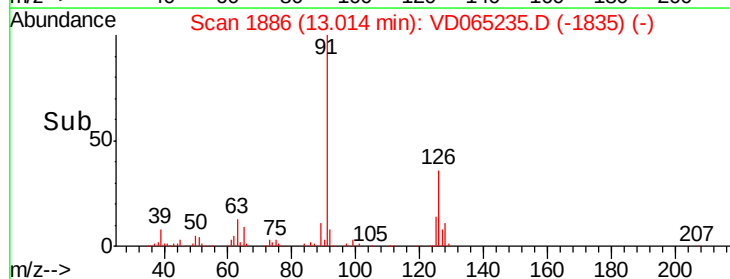
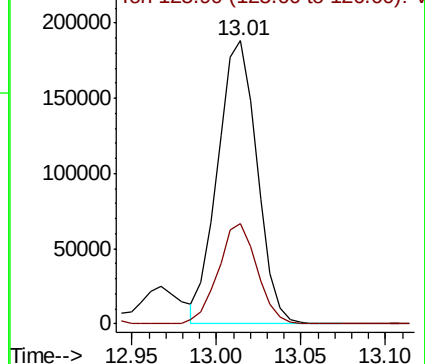
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3

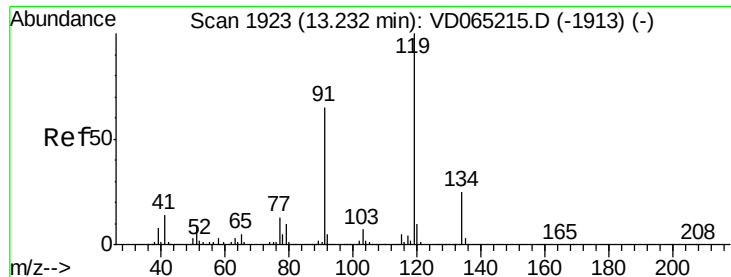


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

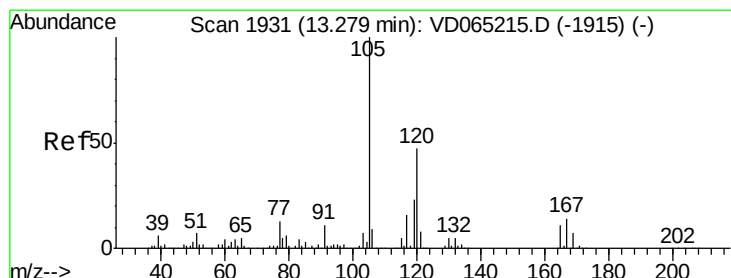
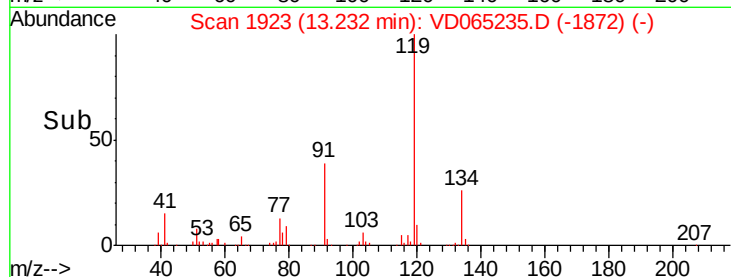
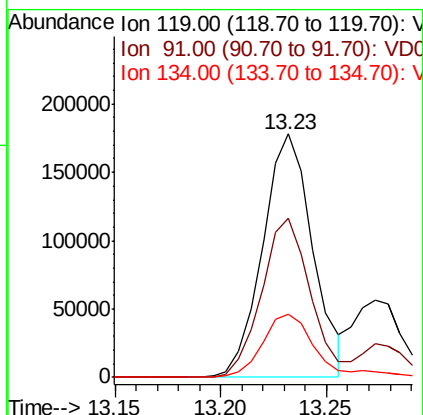
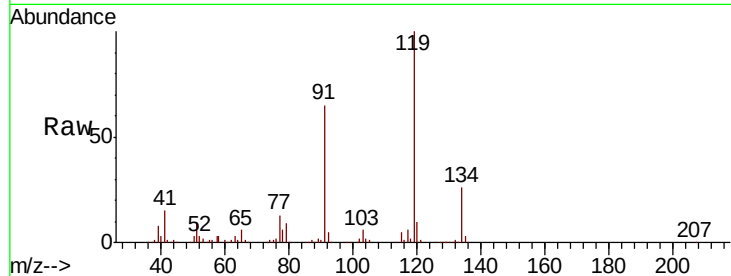




#83
 tert-Butylbenzene
 Concen: 21.090 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

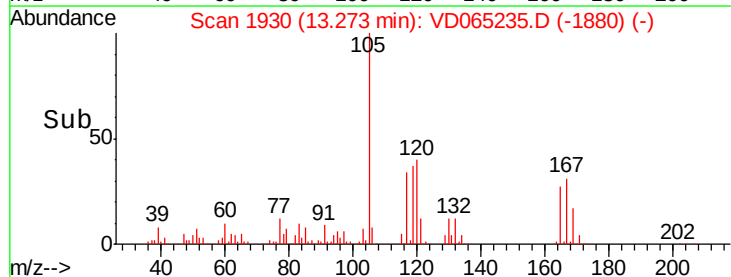
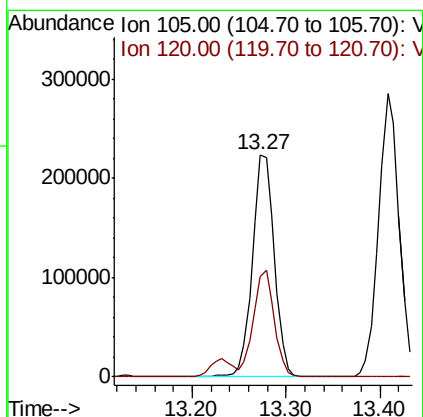
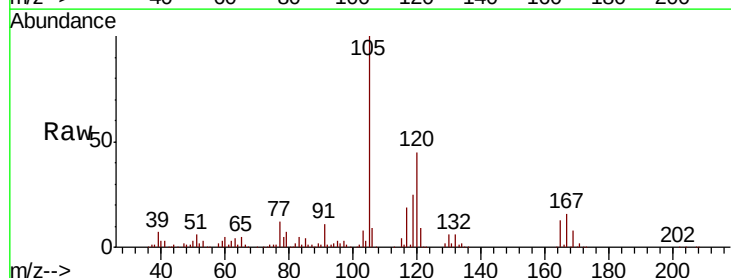
Instrument :
 MSVOA_D
 ClientSampleId :

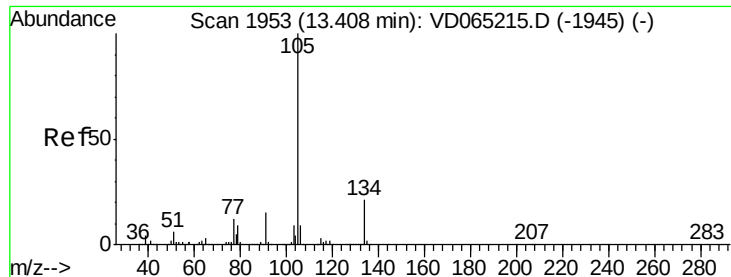
Tot Ion:119 Resp: 293568
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.9 95.5
 134 28.0 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.733 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion:105 Resp: 361270
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.3 69.9

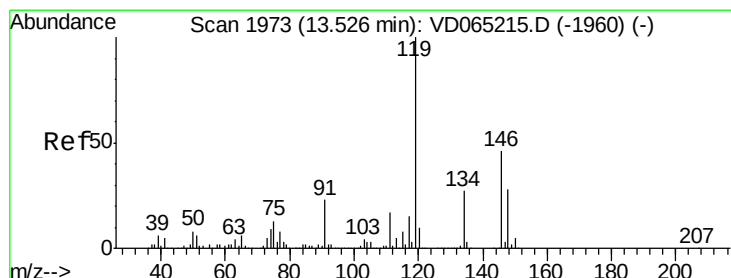
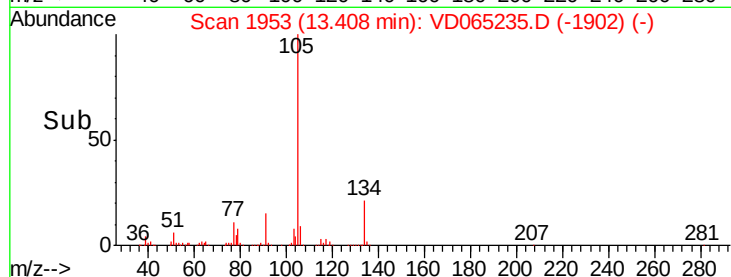
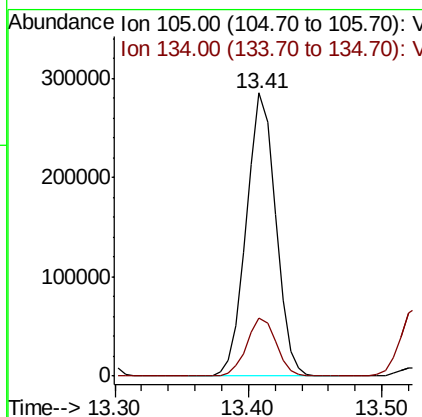
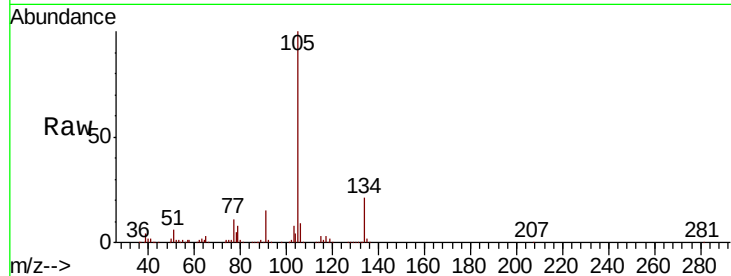




#85
 sec-Butylbenzene
 Concen: 21.549 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

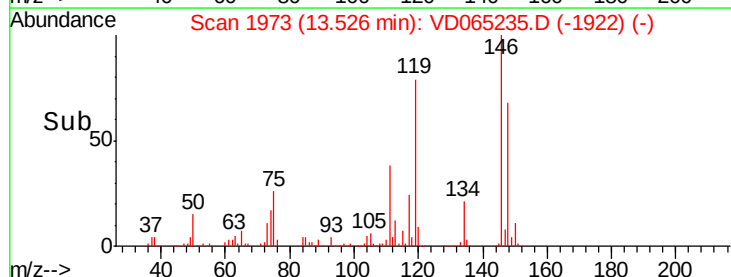
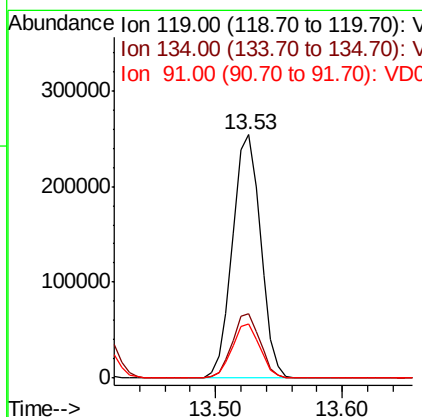
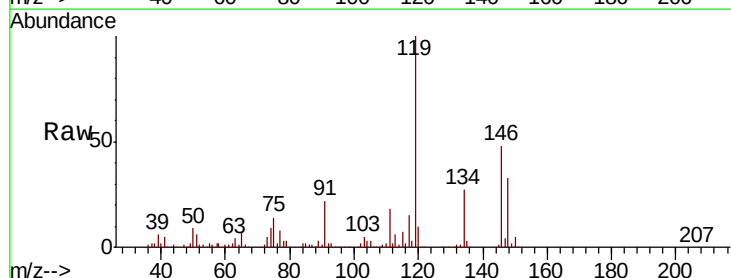
Instrument :
 MSVOA_D
 ClientSampleID :

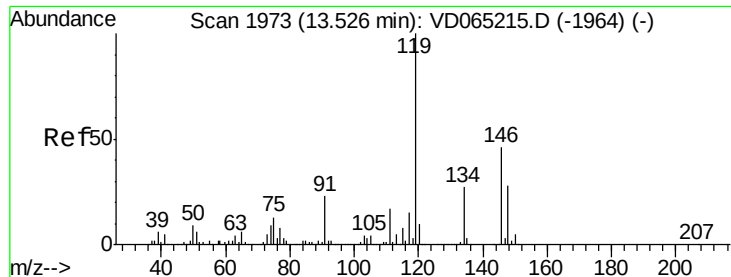
Tot Ion:105 Resp: 432218
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.187 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion:119 Resp: 388619
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 22.3 11.1 33.1

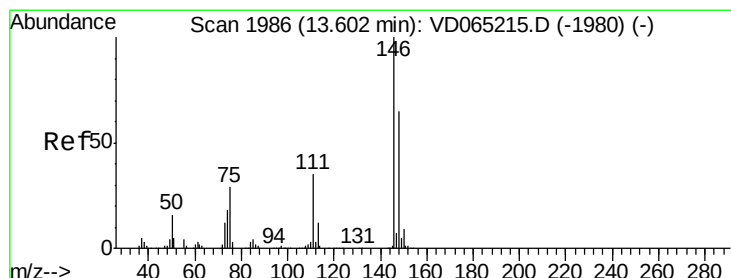
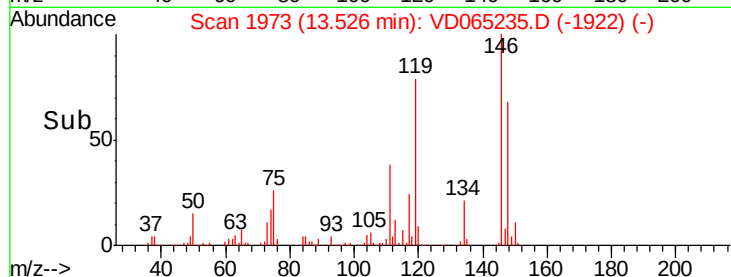
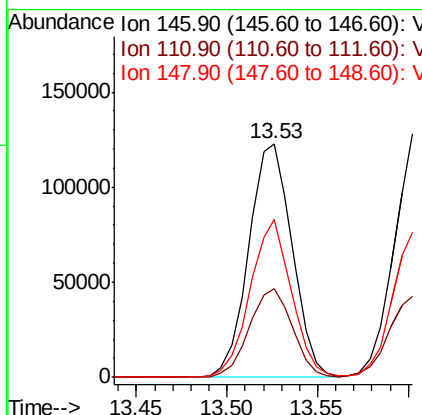
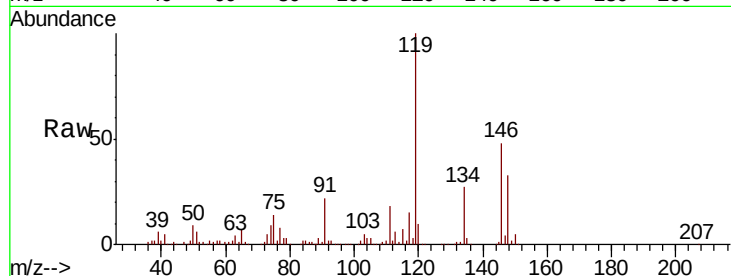




#87
 1,3-Dichlorobenzene
 Concen: 21.054 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

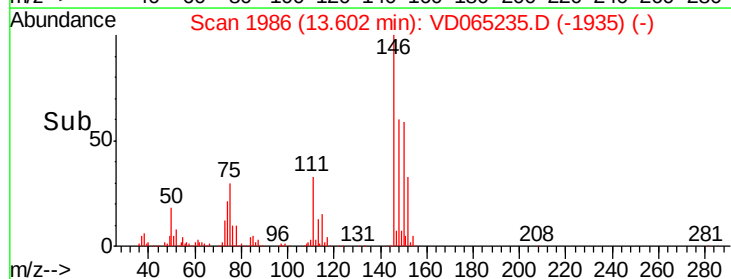
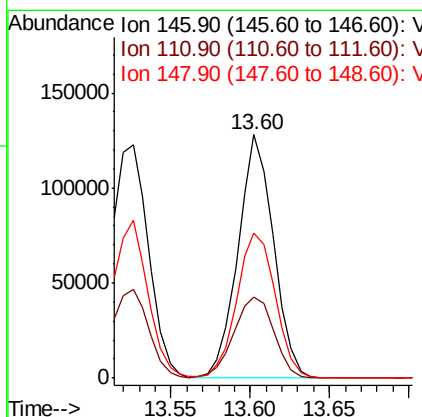
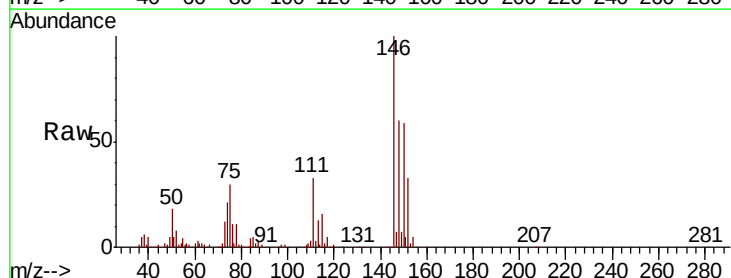
Instrument :
 MSVOA_D
 ClientSampleId :

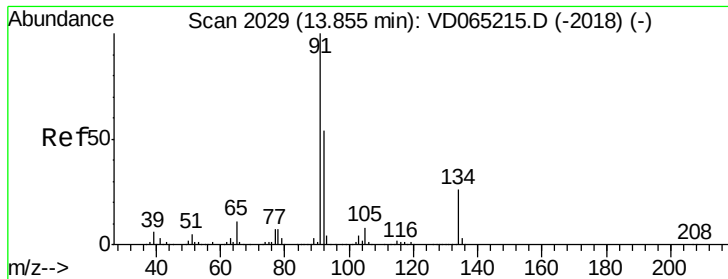
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.4	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.792 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.4	55.2
148	64.9	32.1	96.5

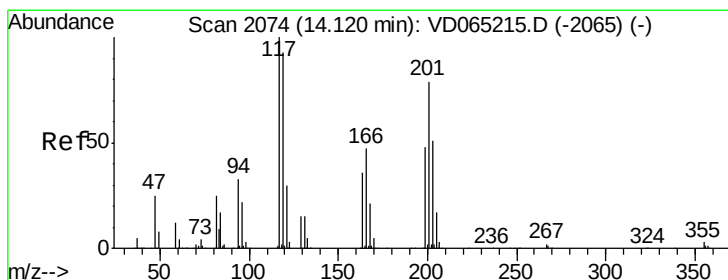
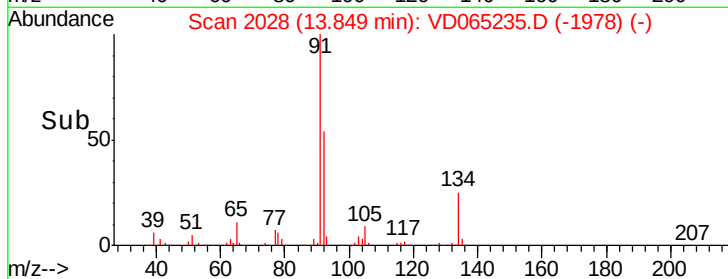
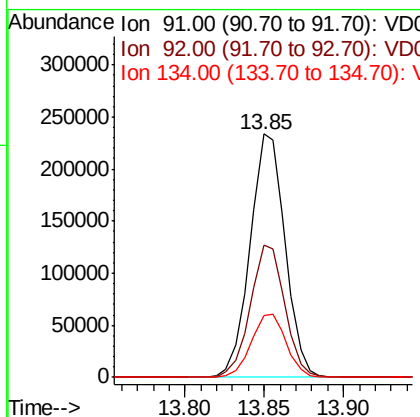
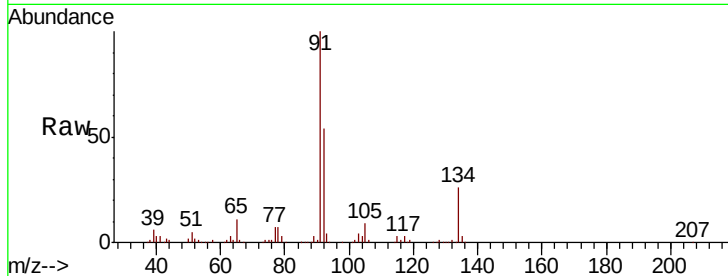




#89
n-Butylbenzene
Concen: 21.226 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

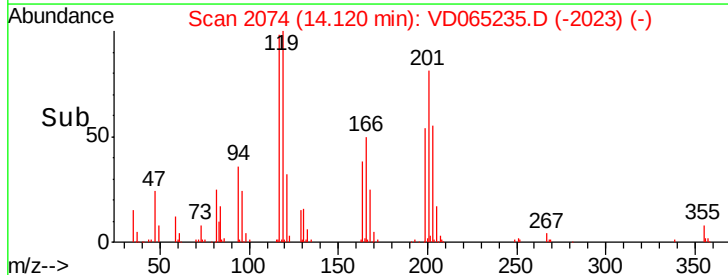
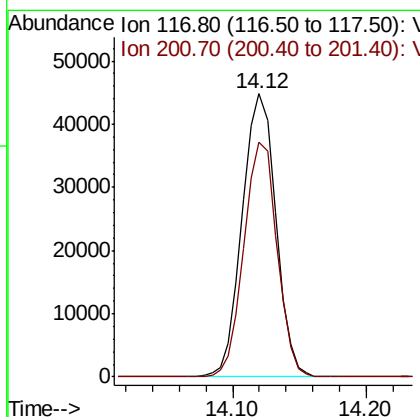
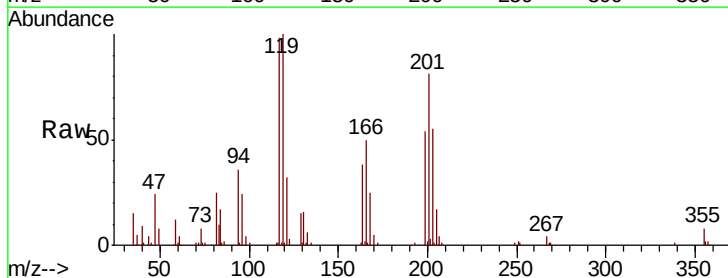
Instrument :
MSVOA_D
ClientSampleId :

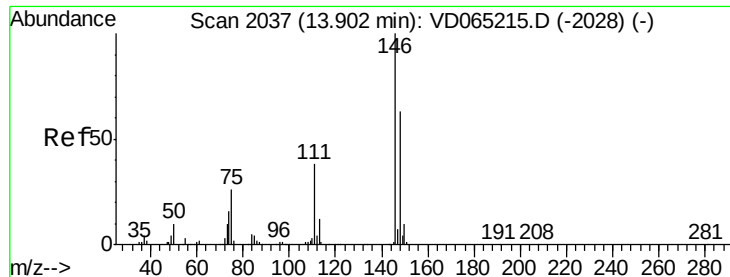
Tot Ion: 91 Resp: 358764
Ion Ratio Lower Upper
91 100
92 53.7 27.0 80.8
134 26.0 13.5 40.4



#90
Hexachloroethane
Concen: 20.981 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 117 Resp: 78139
Ion Ratio Lower Upper
117 100
201 81.4 41.3 124.1

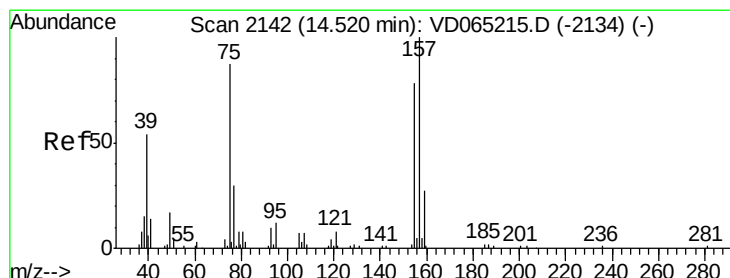
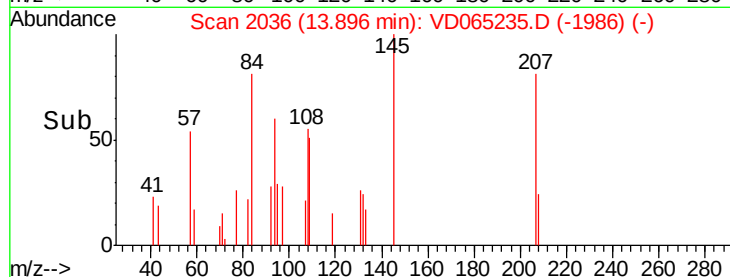
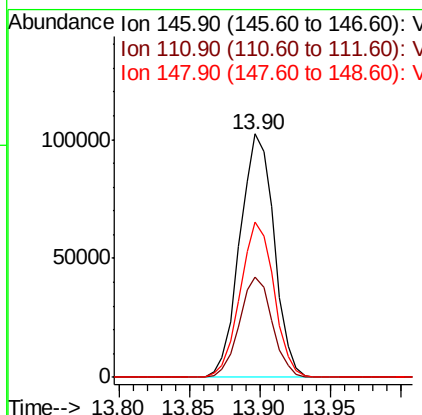
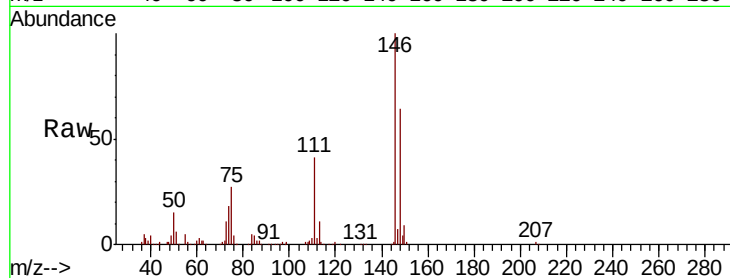




#91
 1,2-Dichlorobenzene
 Concen: 20.916 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

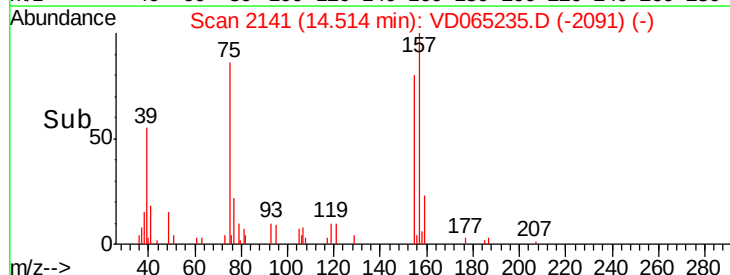
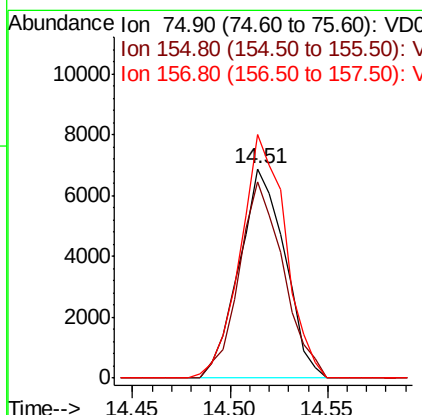
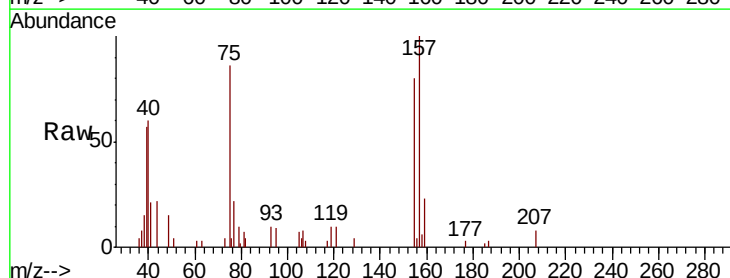
Instrument :
 MSVOA_D
 ClientSampleId :

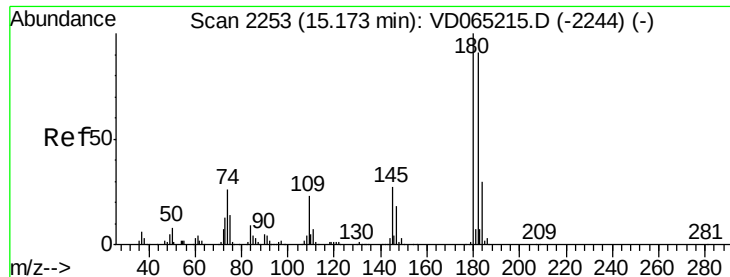
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.885 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	42.3	126.9
157	115.1	56.7	170.1

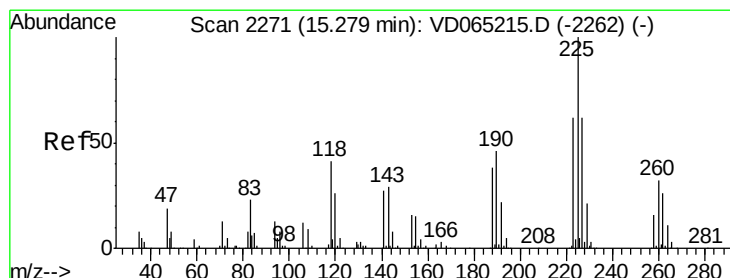
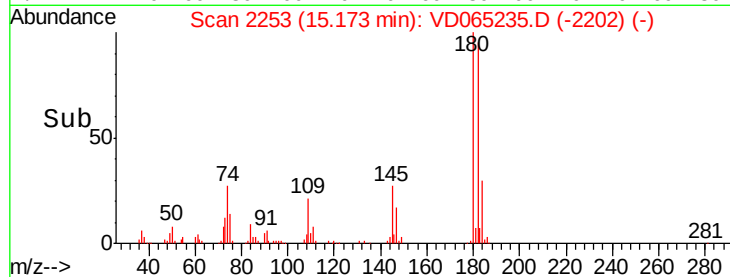
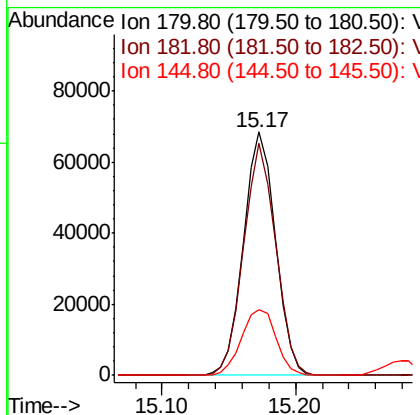
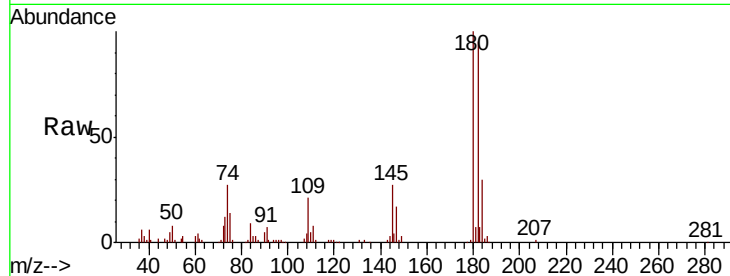




#93
 1,2,4-Trichlorobenzene
 Concen: 20.875 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

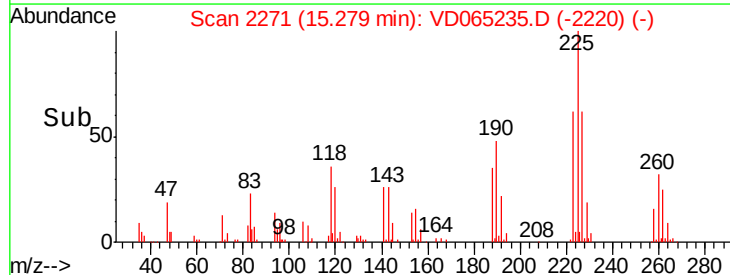
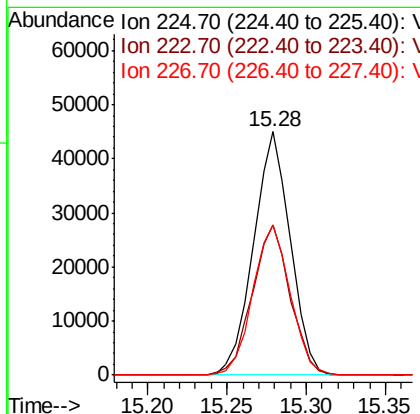
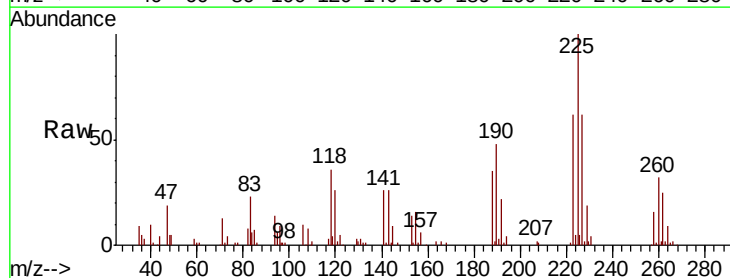
Instrument :
 MSVOA_D
 ClientSampleId :

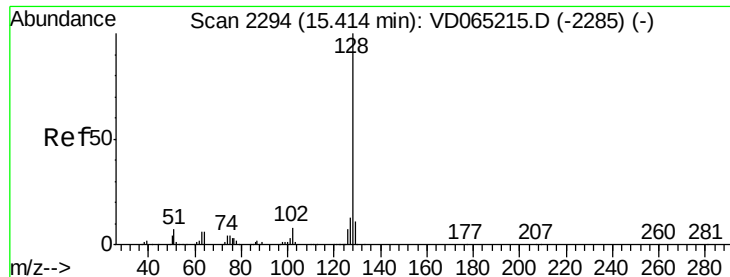
Tot Ion:180 Resp: 113488
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.6
 145 29.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.826 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion:225 Resp: 72631
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.2
 227 62.8 31.7 95.1

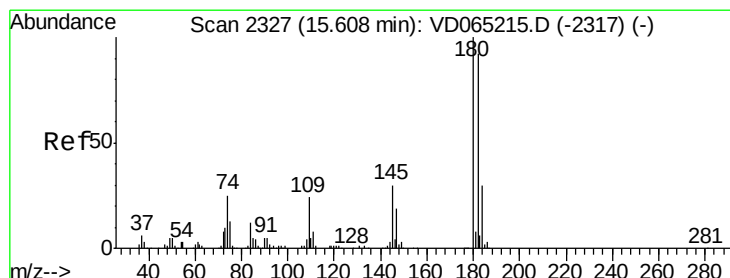
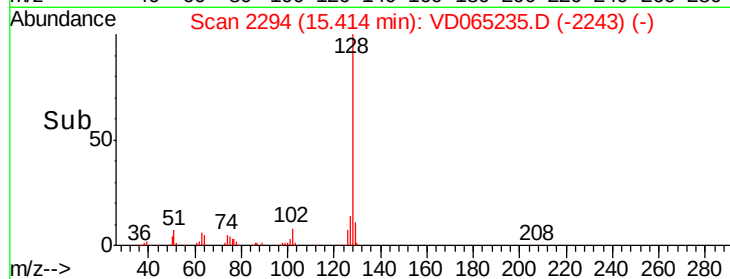
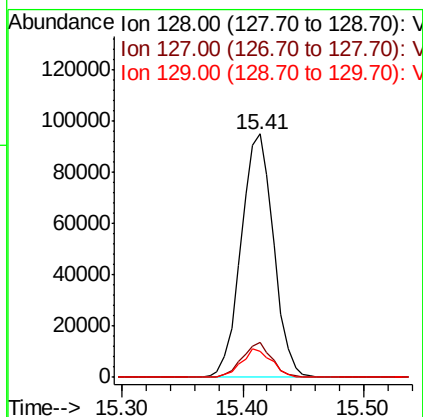
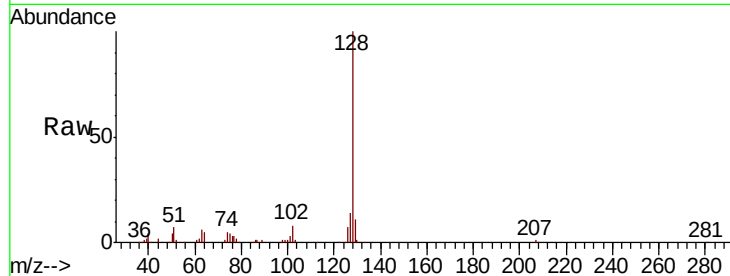




#95
Naphthalene
Concen: 20.073 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 177409
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.985 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion:180 Resp: 99643
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.6
145 30.6 15.4 46.1

