

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065419.D
 Acq On : 04 Mar 2020 19:10
 Operator : VA/SY
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 02:38:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	553850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210955	65.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.76%	
35) Dibromofluoromethane	7.92	113	209191	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
50) Toluene-d8	10.34	98	784704	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.64	95	253178	58.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	13633	4.249 ug/l	90
3) Chloromethane	2.21	50	18133	4.681 ug/l	96
4) Vinyl Chloride	2.35	62	17477	4.574 ug/l	97
5) Bromomethane	2.77	94	14472	5.924 ug/l	89
6) Chloroethane	2.93	64	11191	4.783 ug/l	90
7) Trichlorofluoromethane	3.27	101	26237	4.660 ug/l	92
8) Diethyl Ether	3.71	74	9521	5.687 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	16922	4.667 ug/l	97
10) Methyl Iodide	4.29	142	15666	4.159 ug/l #	76
11) Tert butyl alcohol	5.24	59	5561	30.275 ug/l #	76
12) 1,1-Dichloroethene	4.07	96	16399	4.723 ug/l	83
13) Acrolein	3.92	56	8107	25.592 ug/l	97
14) Allyl chloride	4.71	41	24520	4.597 ug/l	98
15) Acrylonitrile	5.43	53	18943	26.009 ug/l	97
16) Acetone	4.17	43	18992	29.325 ug/l	97
17) Carbon Disulfide	4.40	76	54670	4.728 ug/l	99
18) Methyl Acetate	4.73	43	8703	5.298 ug/l #	84
19) Methyl tert-butyl Ether	5.49	73	31924	4.781 ug/l	99
20) Methylene Chloride	4.97	84	25589	6.387 ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	18023	4.667 ug/l	86
22) Diisopropyl ether	6.37	45	45509	4.590 ug/l	99
23) Vinyl Acetate	6.31	43	118689	21.560 ug/l	97
24) 1,1-Dichloroethane	6.26	63	31597	4.969 ug/l	95
25) 2-Butanone	7.23	43	22611	25.584 ug/l #	87
26) 2,2-Dichloropropane	7.21	77	25950	4.670 ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	18845	4.774 ug/l	98
28) Bromochloromethane	7.56	49	13087	5.144 ug/l	96
29) Tetrahydrofuran	7.58	42	13983	24.775 ug/l	95
30) Chloroform	7.71	83	33330	5.244 ug/l	97
31) Cyclohexane	7.98	56	32285	5.077 ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	26131	4.449 ug/l	98
36) 1,1-Dichloropropene	8.11	75	23358	4.120 ug/l	98
37) Ethyl Acetate	7.30	43	10622	4.848 ug/l #	93
38) Carbon Tetrachloride	8.10	117	25507	4.339 ug/l	89

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 MSVOA_D
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	25761	3.762	ug/l	99
40) Benzene	8.36	78	70957	4.477	ug/l	97
41) Methacrylonitrile	7.53	41	6206	5.356	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	21326	5.153	ug/l	98
43) Isopropyl Acetate	8.46	43	19336	4.779	ug/l	98
44) Trichloroethene	9.11	130	20414	4.561	ug/l	99
45) 1,2-Dichloropropane	9.39	63	17696	4.609	ug/l	97
46) Dibromomethane	9.48	93	10168	5.106	ug/l	95
47) Bromodichloromethane	9.67	83	25570	4.935	ug/l	91
48) Methyl methacrylate	9.46	41	8992	4.725	ug/l	94
49) 1,4-Dioxane	9.46	88	2030	89.111	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	46002	22.595	ug/l	97
52) Toluene	10.40	92	44004	4.407	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	21486	4.438	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	24909	4.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	14454	5.124	ug/l	94
56) Ethyl methacrylate	10.66	69	13765	4.329	ug/l	95
57) 1,3-Dichloropropane	10.95	76	22911	4.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	20842	20.324	ug/l	96
59) 2-Hexanone	10.99	43	31830	22.585	ug/l	90
60) Dibromochloromethane	11.14	129	17332	4.794	ug/l	95
61) 1,2-Dibromoethane	11.24	107	12840	4.772	ug/l	98
64) Tetrachloroethene	10.88	164	17175	4.328	ug/l	95
65) Chlorobenzene	11.68	112	49247	4.493	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	18476	4.629	ug/l	97
67) Ethyl Benzene	11.75	91	75762	4.001	ug/l	96
68) m/p-Xylenes	11.86	106	54797	7.504	ug/l	97
69) o-Xylene	12.18	106	24347	3.790	ug/l	95
70) Styrene	12.20	104	41373	3.660	ug/l	97
71) Bromoform	12.37	173	10410	4.643	ug/l #	98
73) Isopropylbenzene	12.48	105	64738	3.598	ug/l	100
74) N-amyl acetate	12.30	43	14127	3.835	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	15534	4.912	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	19912	9.225	ug/l #	100
77) Bromobenzene	12.77	156	20150	4.507	ug/l	98
78) n-propylbenzene	12.83	91	82894	3.883	ug/l	99
79) 2-Chlorotoluene	12.91	91	48767	4.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	55128	3.727	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	4260	4.165	ug/l	97
82) 4-Chlorotoluene	13.01	91	52706	4.169	ug/l	98
83) tert-Butylbenzene	13.23	119	43945	3.512	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	51974	3.565	ug/l	99
85) sec-Butylbenzene	13.41	105	62326	3.489	ug/l	99
86) p-Isopropyltoluene	13.53	119	55010	3.375	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	36012	4.190	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	38815	4.540	ug/l	94
89) n-Butylbenzene	13.85	91	54859	3.640	ug/l	98
90) Hexachloroethane	14.12	117	14141	4.213	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	33240	4.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2564	5.323	ug/l	88

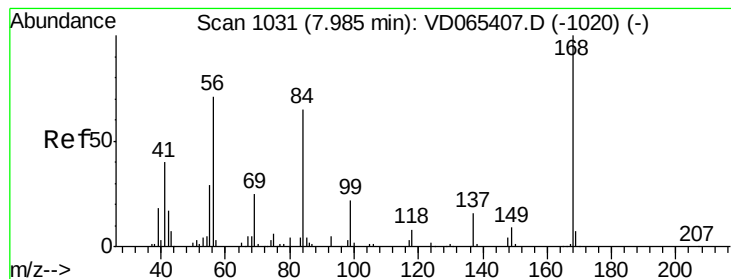
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20887	4.214	ug/l	99
94) Hexachlorobutadiene	15.28	225	13881	4.262	ug/l	99
95) Naphthalene	15.41	128	30597	3.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	17847	4.166	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

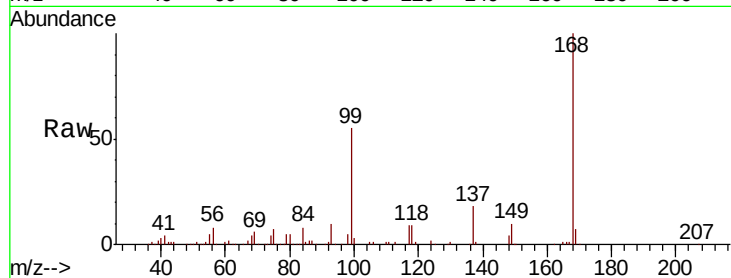
ClientSampled :

Tot Ion:168 Resp: 373315

Ion Ratio Lower Upper

168 100

99 55.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

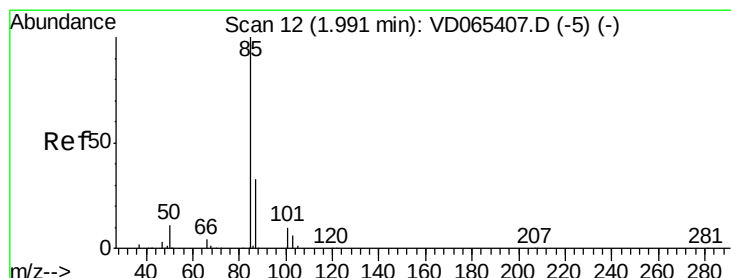
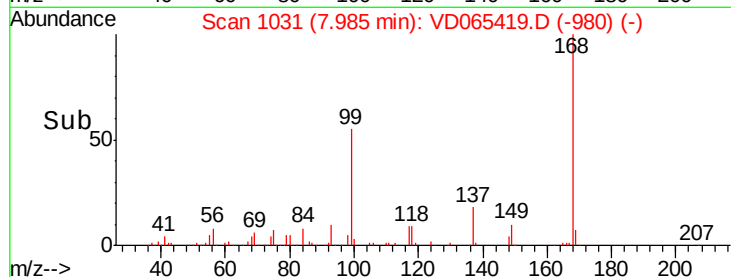
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.249 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065419.D

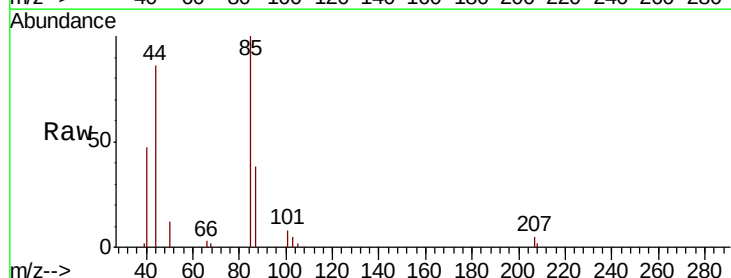
Acq: 04 Mar 2020 19:10

Tgt Ion: 85 Resp: 13633

Ion Ratio Lower Upper

85 100

87 38.5 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

10000

8000

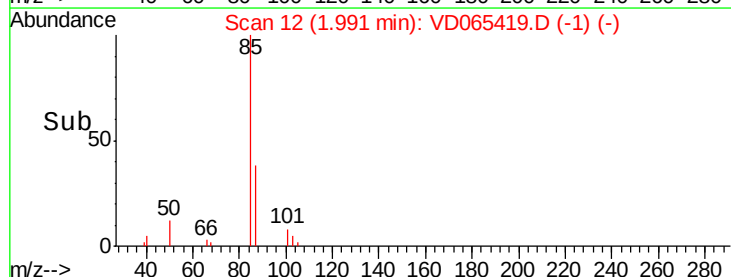
6000

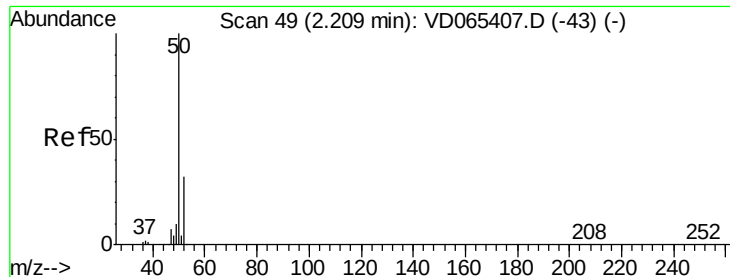
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.681 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

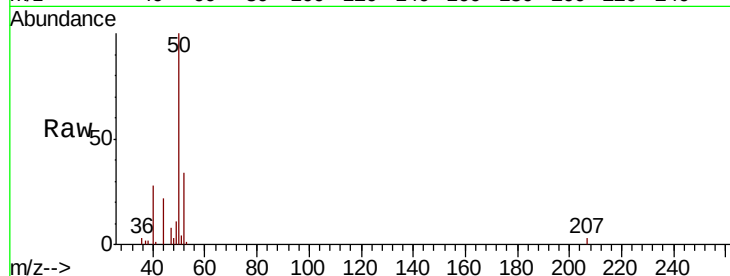
ClientSampleId :

Tot Ion: 50 Resp: 18133

Ion Ratio Lower Upper

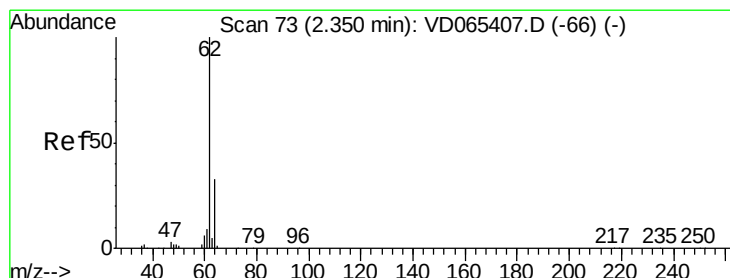
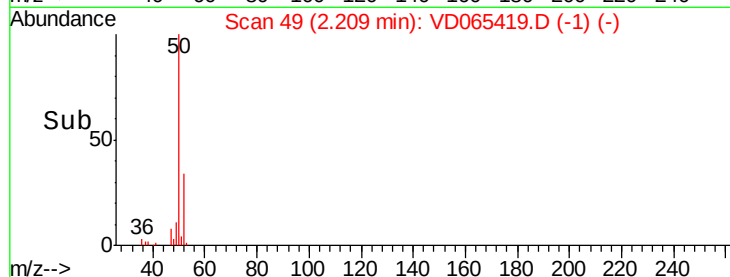
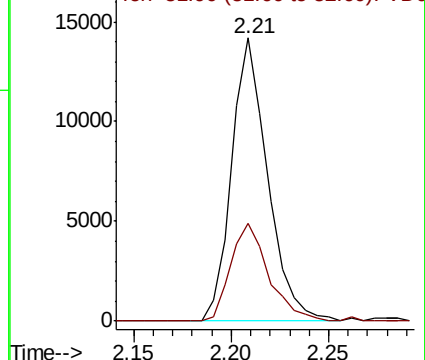
50 100

52 34.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.574 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065419.D

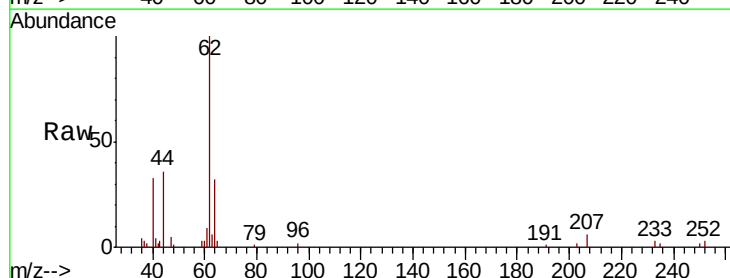
Acq: 04 Mar 2020 19:10

Tgt Ion: 62 Resp: 17477

Ion Ratio Lower Upper

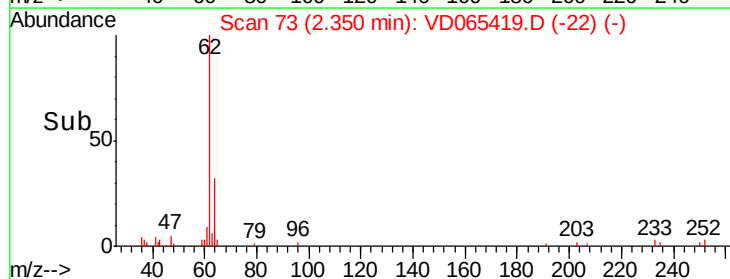
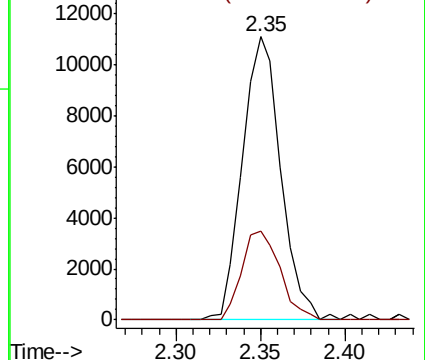
62 100

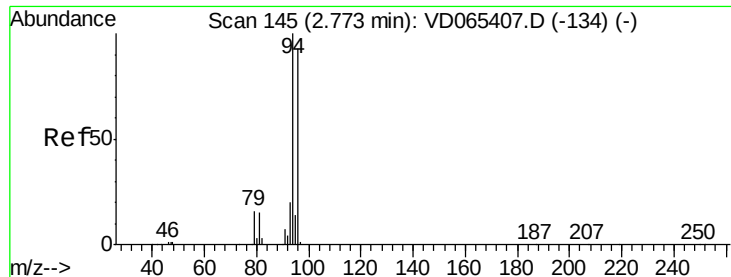
64 31.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.924 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

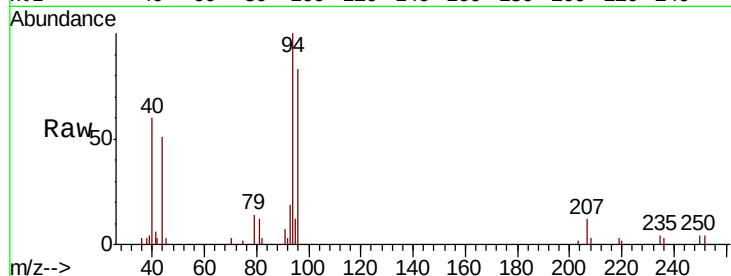
ClientSampleId :

Tot Ion: 94 Resp: 14472

Ion Ratio Lower Upper

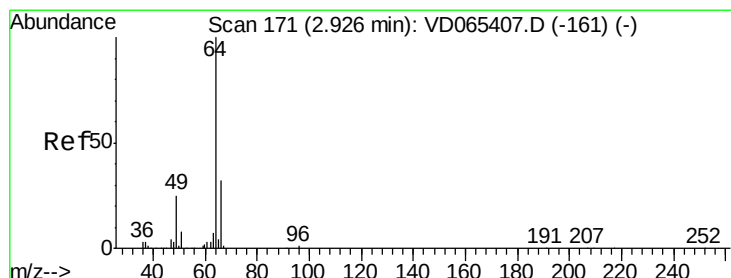
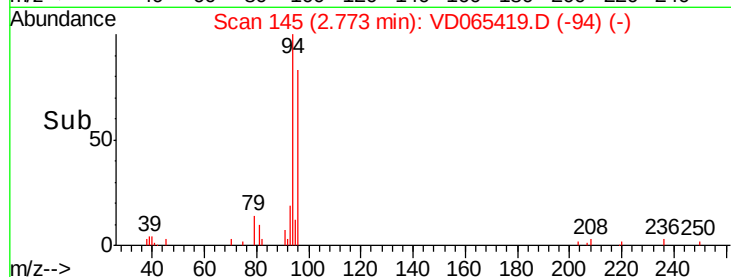
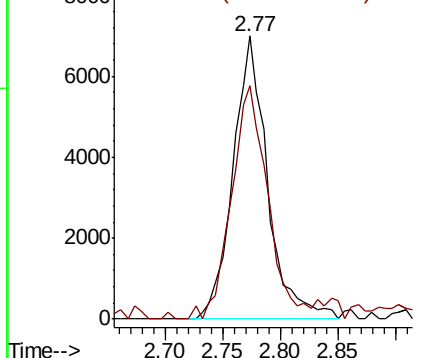
94 100

96 82.5 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.783 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065419.D

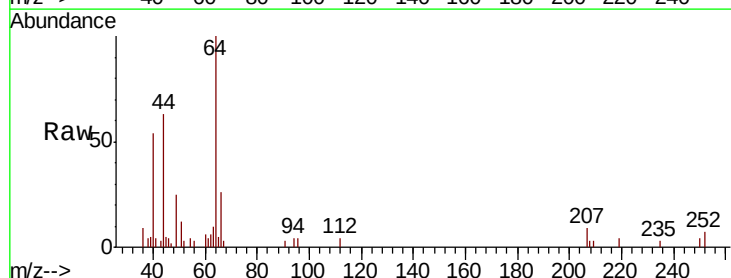
Acq: 04 Mar 2020 19:10

Tgt Ion: 64 Resp: 11191

Ion Ratio Lower Upper

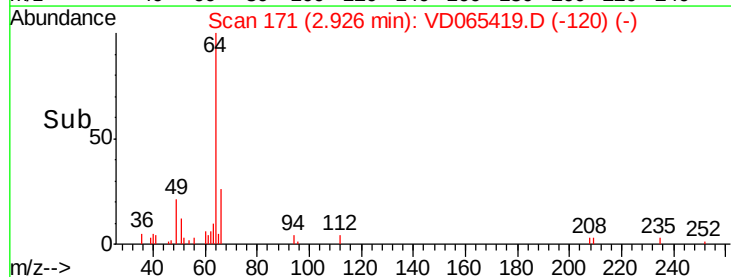
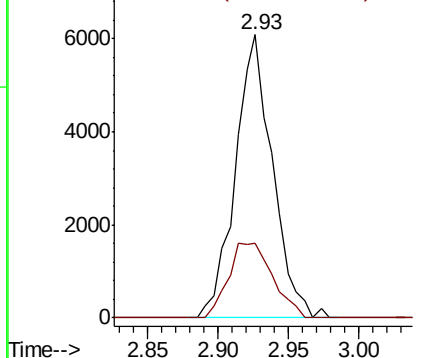
64 100

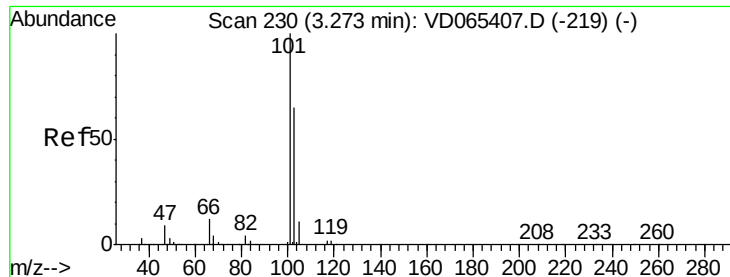
66 26.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



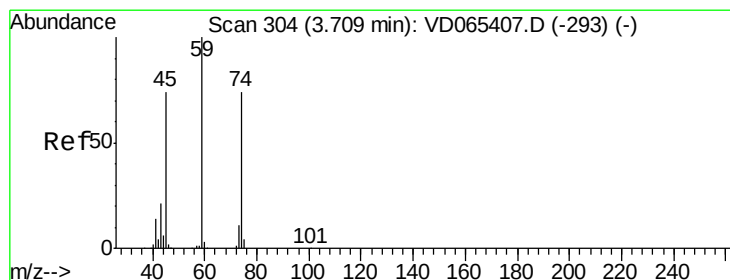
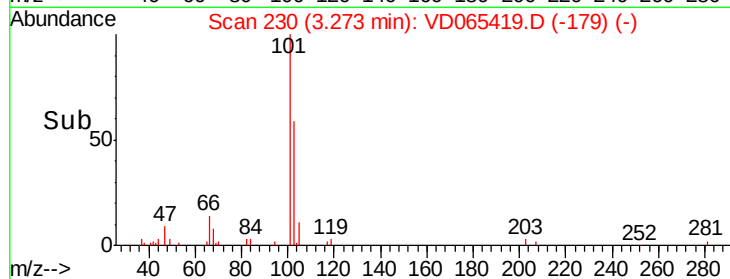
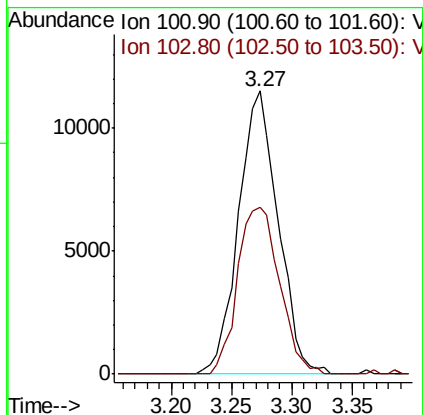
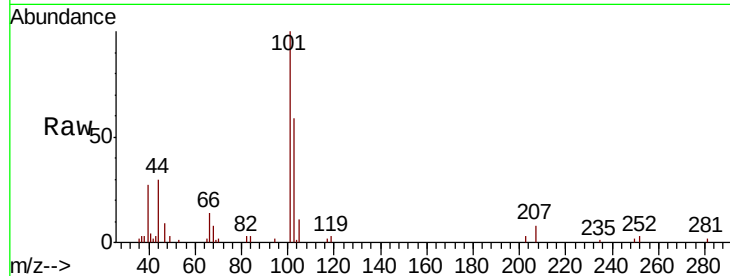


#7

Trichlorofluoromethane
 Concen: 4.660 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :

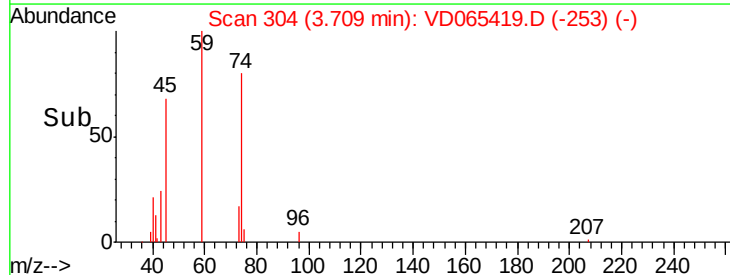
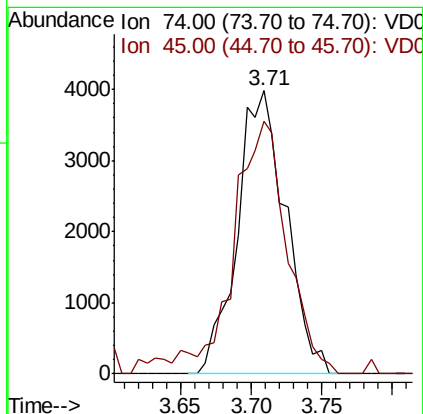
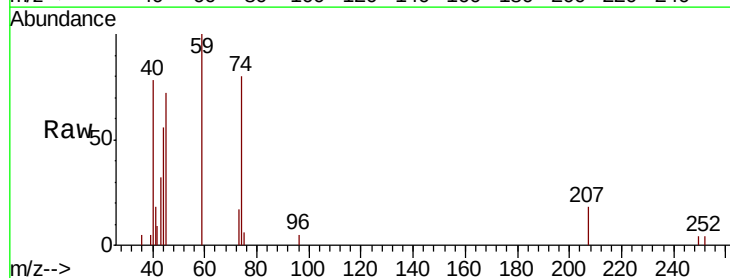
Tot Ion:101 Resp: 26237
 Ion Ratio Lower Upper
 101 100
 103 58.9 52.1 78.1

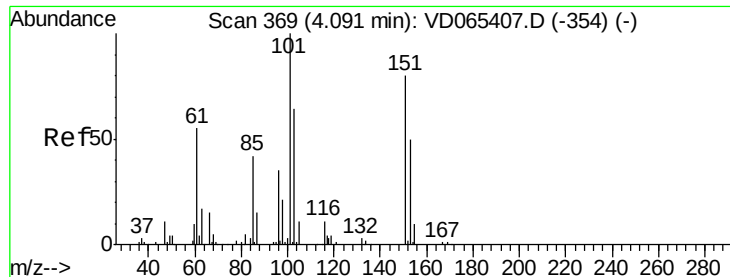


#8

Diethyl Ether
 Concen: 5.687 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 74 Resp: 9521
 Ion Ratio Lower Upper
 74 100
 45 101.4 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.667 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

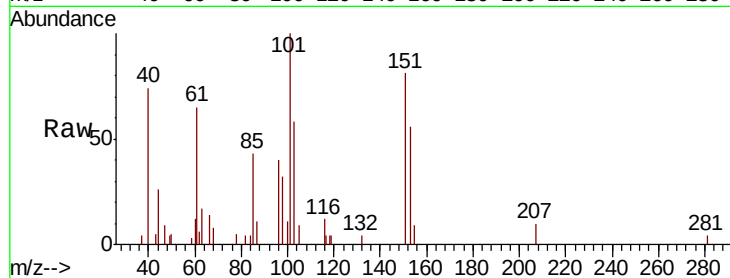
Tot Ion:101 Resp: 16922

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

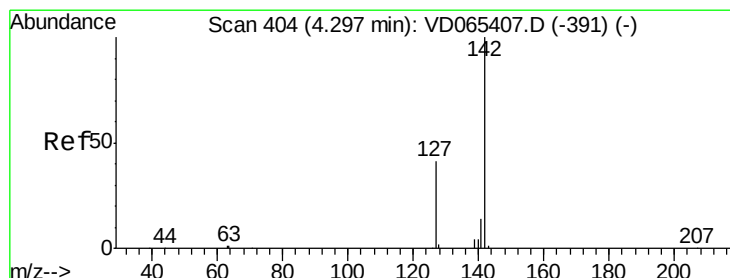
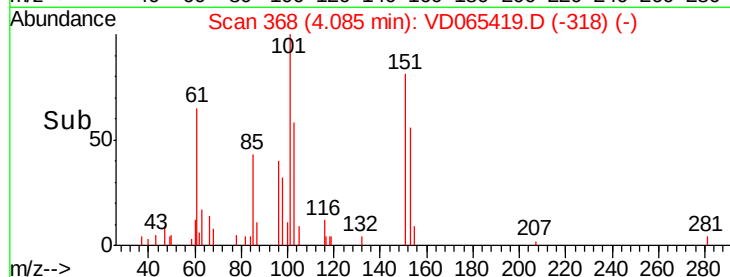
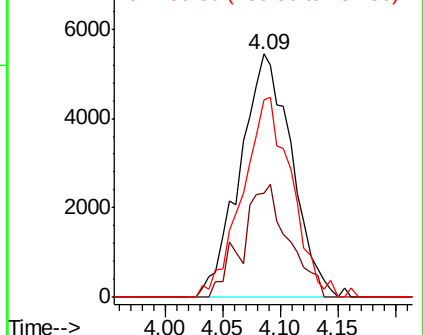
151 78.4 65.1 97.7



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: 4.159 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

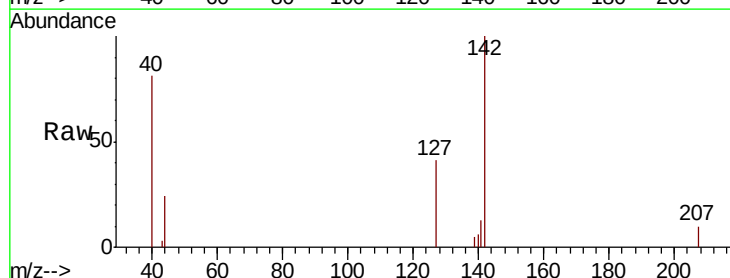
Tgt Ion:142 Resp: 15666

Ion Ratio Lower Upper

142 100

127 23.8 35.0 52.6#

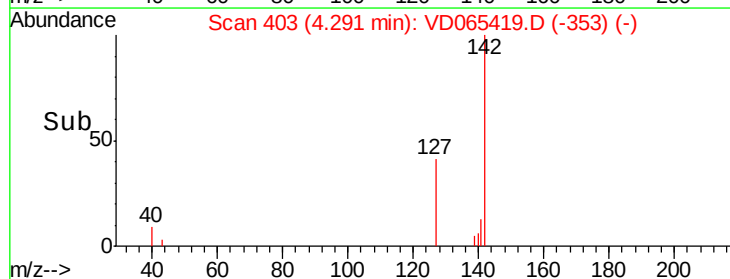
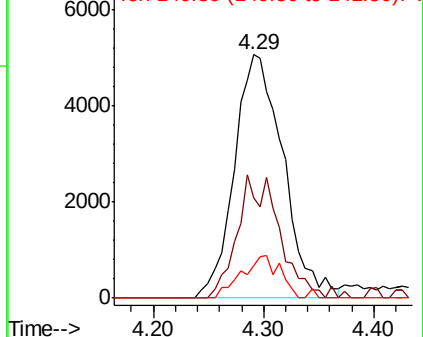
141 13.7 12.4 18.6

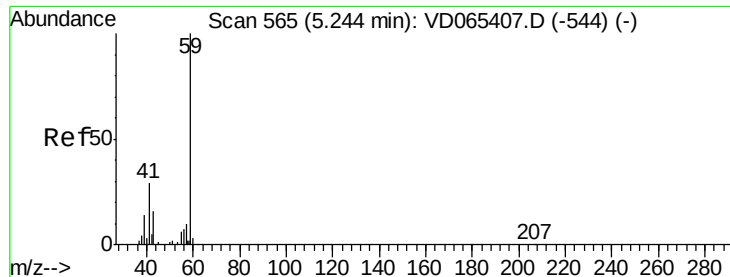


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

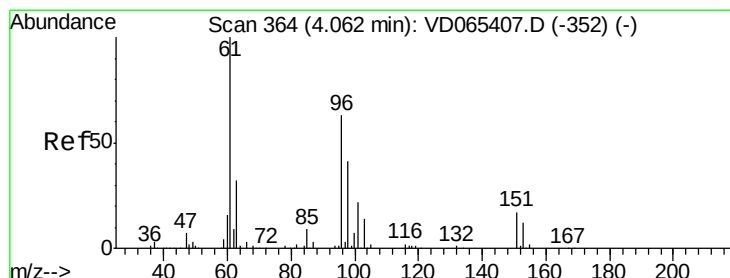
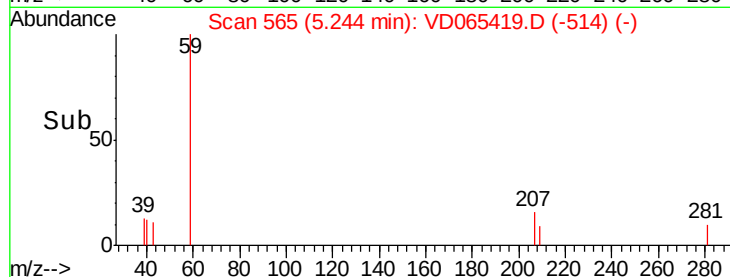
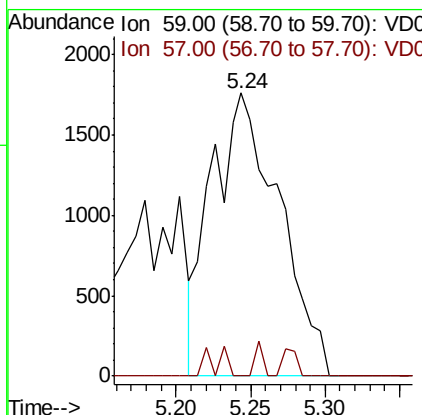
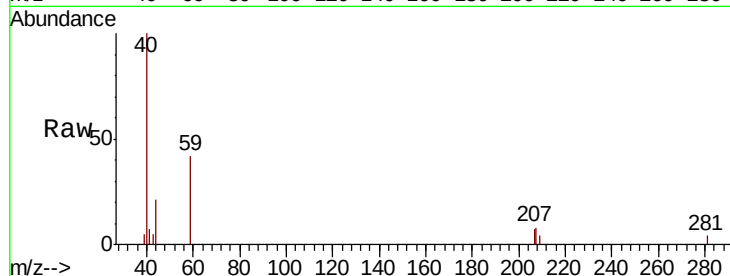




#11
Tert butyl alcohol
Concen: 30.275 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

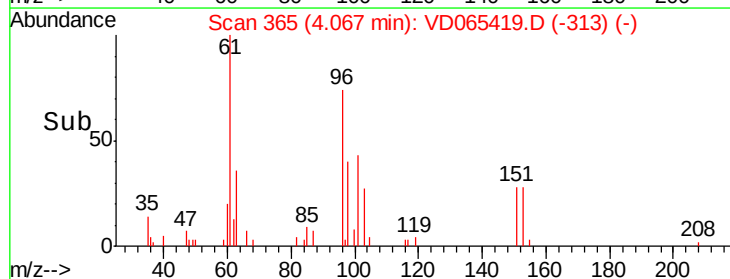
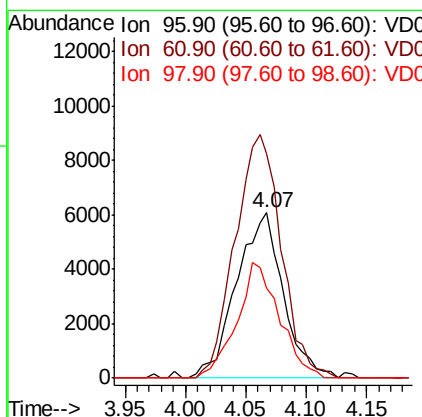
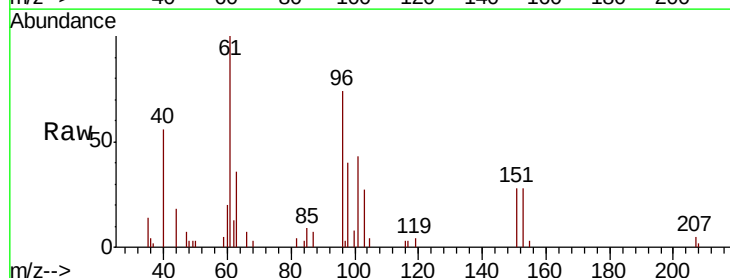
Instrument :
MSVOA_D
ClientSampled :

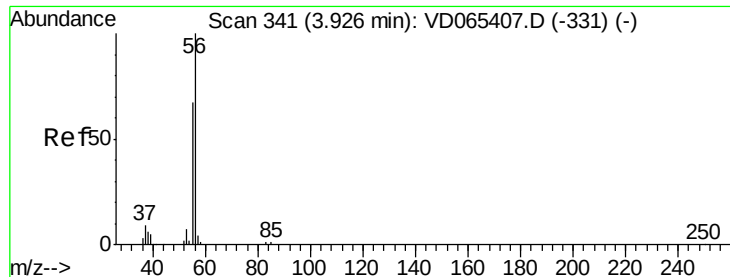
Tot Ion: 59 Resp: 5561
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 4.723 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 96 Resp: 16399
Ion Ratio Lower Upper
96 100
61 135.6 128.0 192.0
98 54.6 51.9 77.9





#13

Acrolein

Concen: 25.592 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

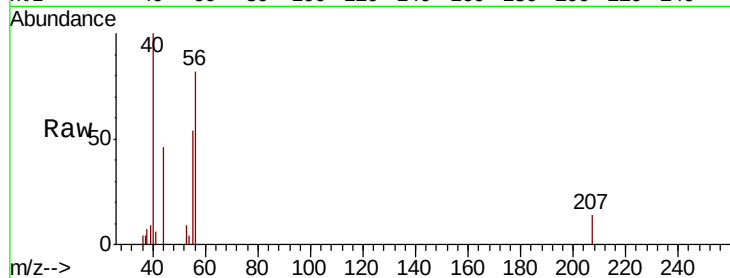
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8107

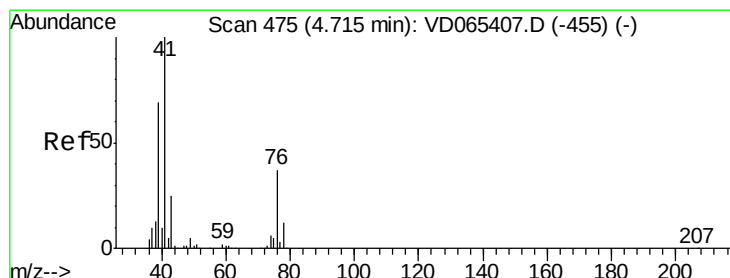
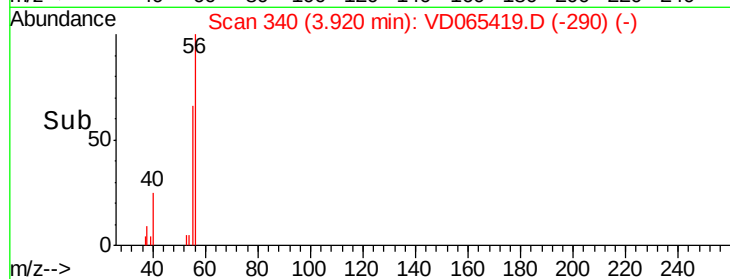
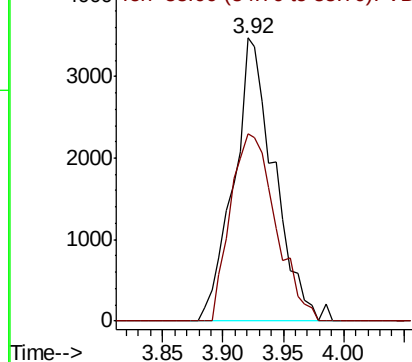
Ion Ratio Lower Upper

56 100

55 73.7 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: 4.597 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

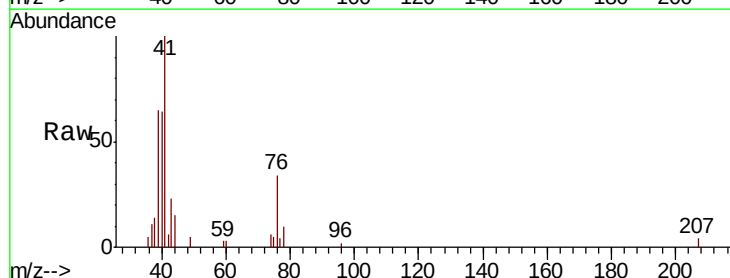
Tgt Ion: 41 Resp: 24520

Ion Ratio Lower Upper

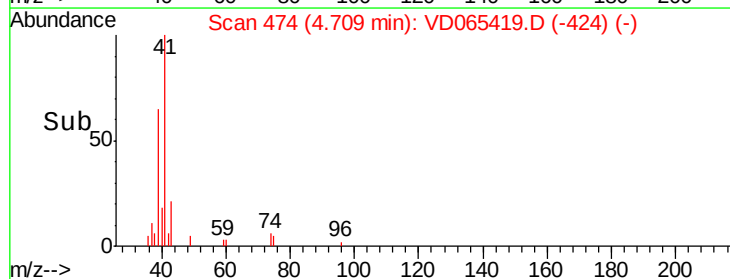
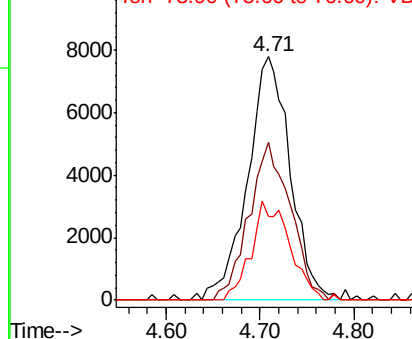
41 100

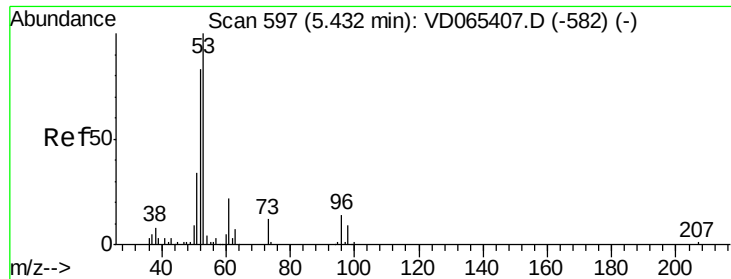
39 63.0 52.6 79.0

76 36.2 29.2 43.8



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: 26.009 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampled :

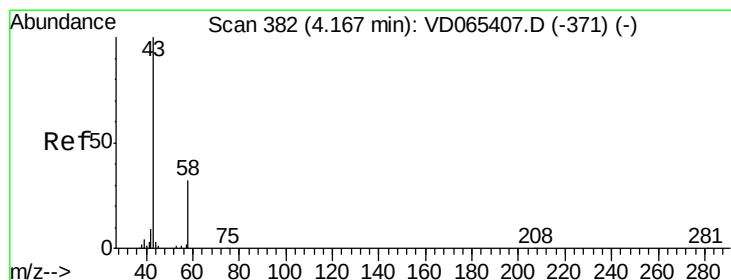
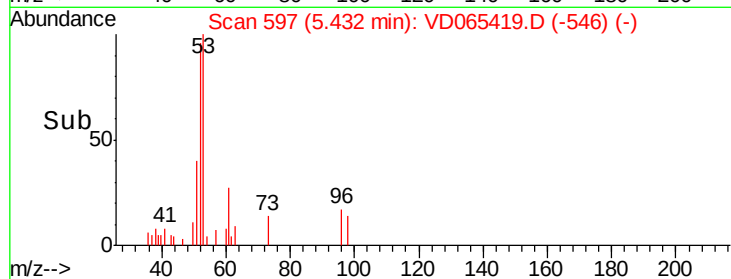
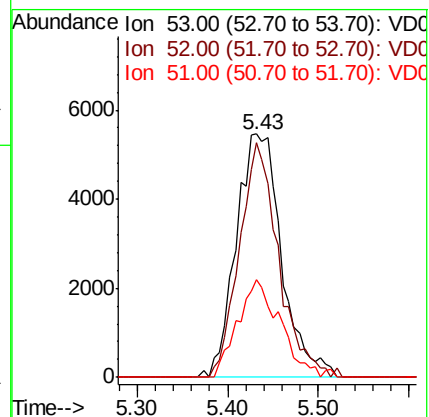
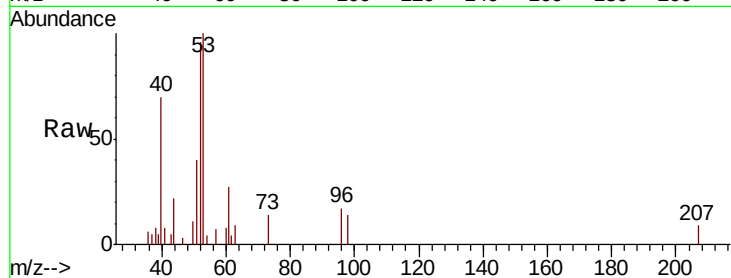
Tot Ion: 53 Resp: 18943

Ion Ratio Lower Upper

53 100

52 83.7 65.1 97.7

51 37.5 28.5 42.7



#16

Acetone

Concen: 29.325 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065419.D

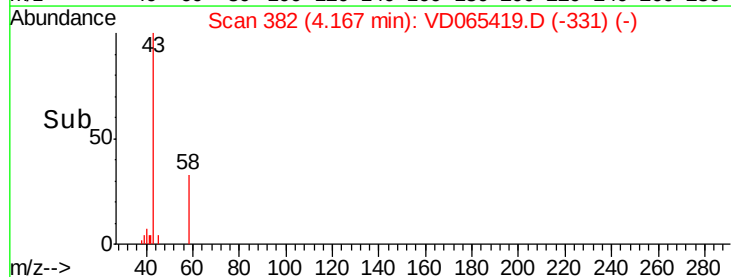
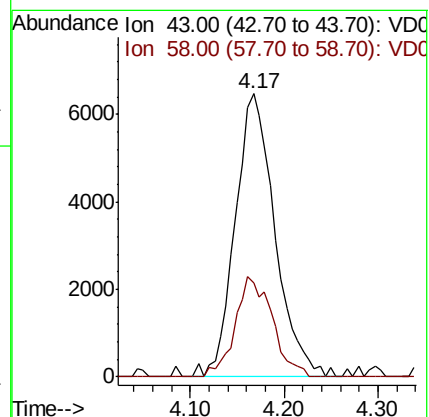
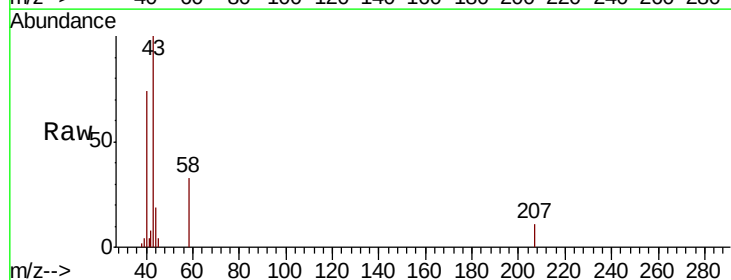
Acq: 04 Mar 2020 19:10

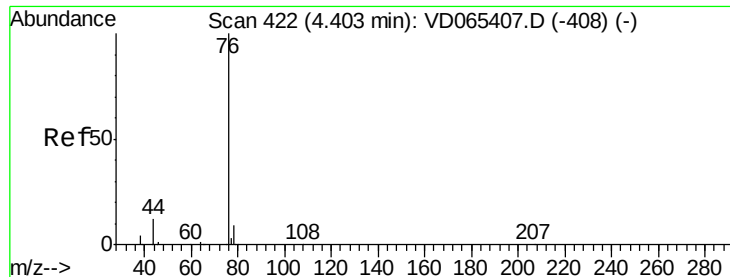
Tgt Ion: 43 Resp: 18992

Ion Ratio Lower Upper

43 100

58 33.1 25.1 37.7

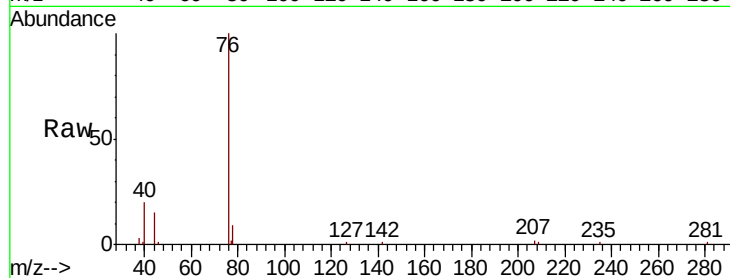




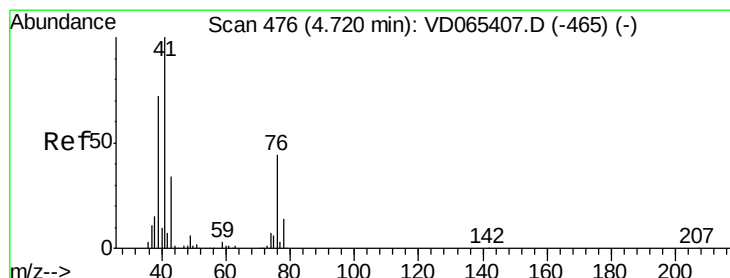
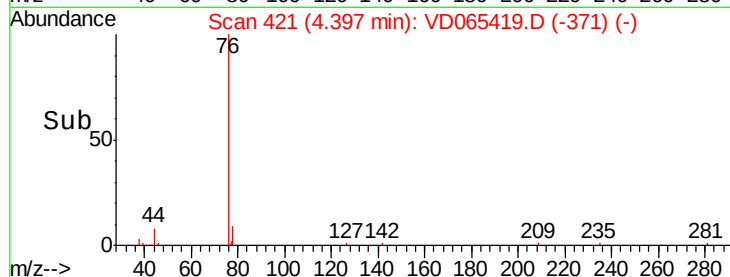
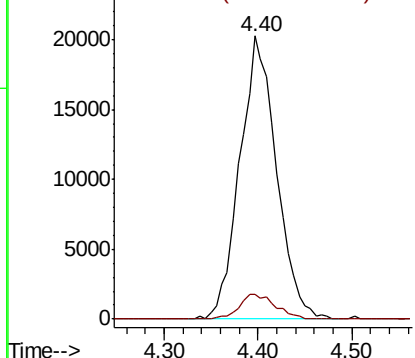
#17
Carbon Disulfide
Concen: 4.728 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 54670
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

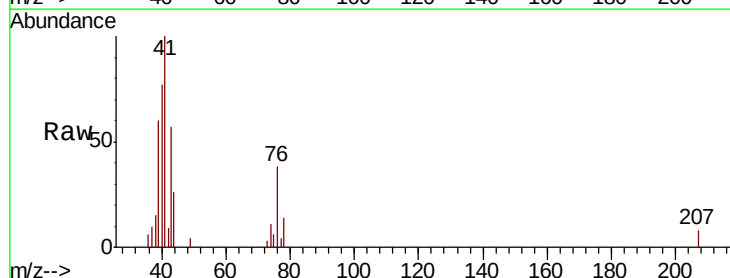


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

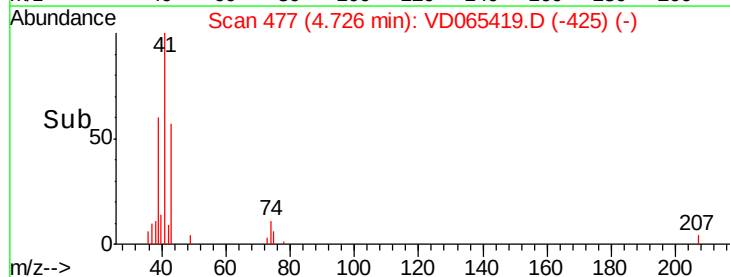
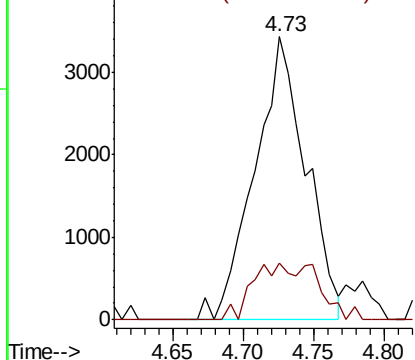


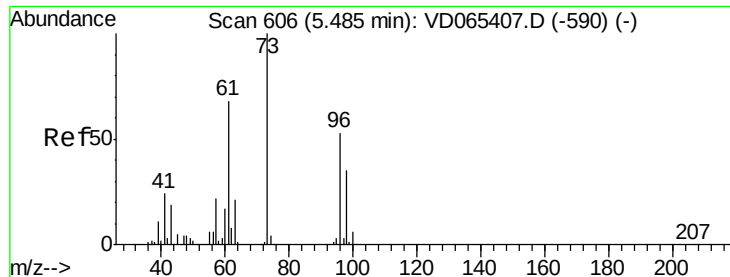
#18
Methyl Acetate
Concen: 5.298 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 43 Resp: 8703
Ion Ratio Lower Upper
43 100
74 16.5 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



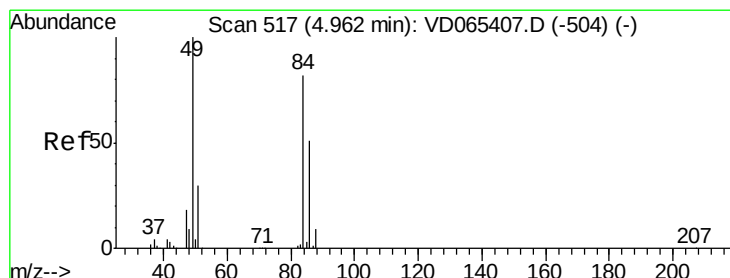
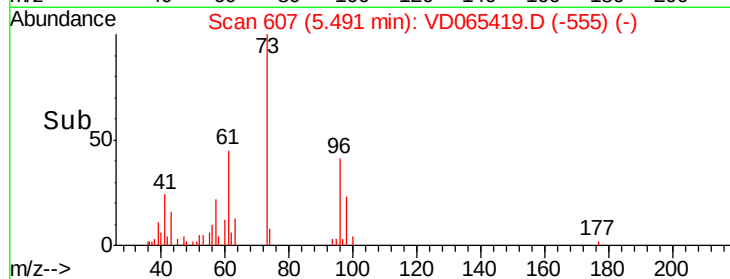
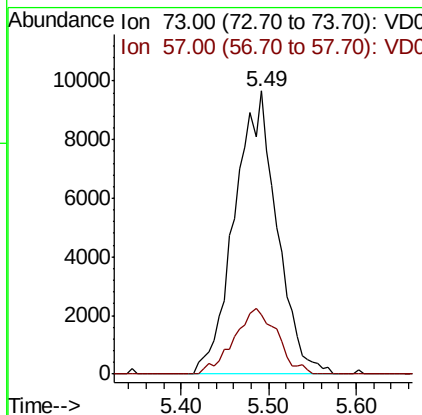
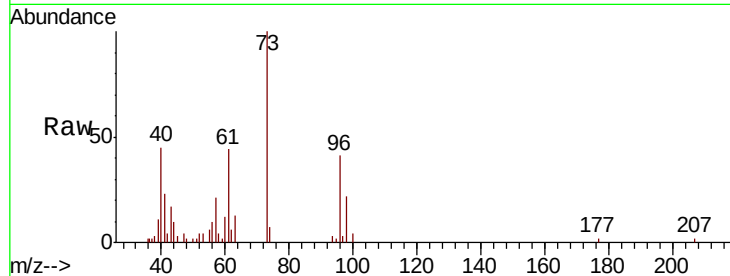


#19

Methyl tert-butyl Ether
 Concen: 4.781 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :

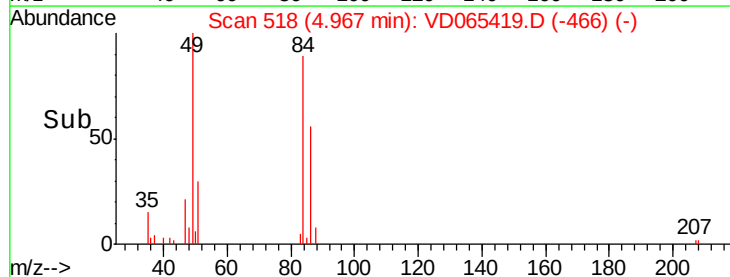
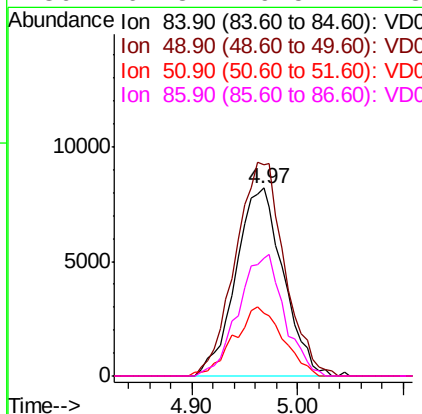
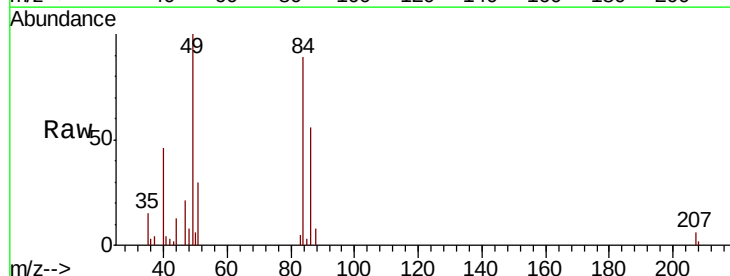
Tot Ion: 73 Resp: 31924
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.3 25.9

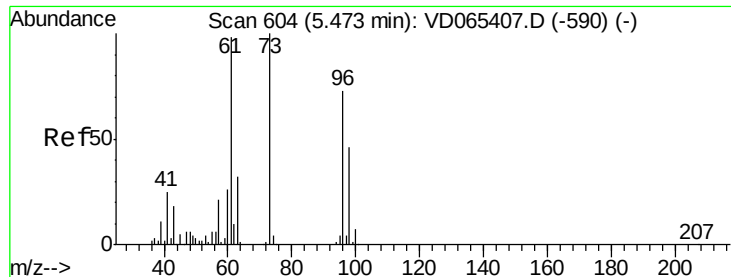


#20

Methylene Chloride
 Concen: 6.387 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 84 Resp: 25589
 Ion Ratio Lower Upper
 84 100
 49 112.6 97.7 146.5
 51 33.5 28.8 43.2
 86 62.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 4.667 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

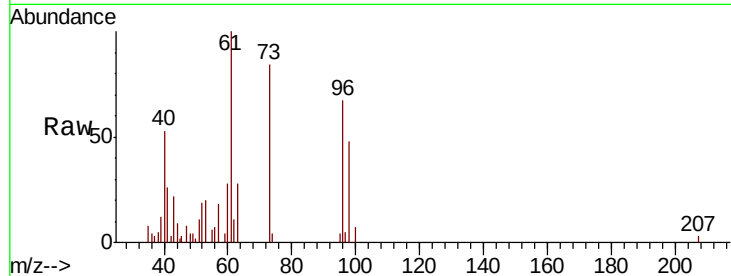
Tot Ion: 96 Resp: 18023

Ion Ratio Lower Upper

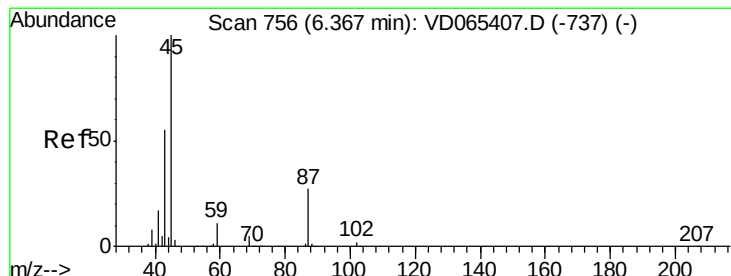
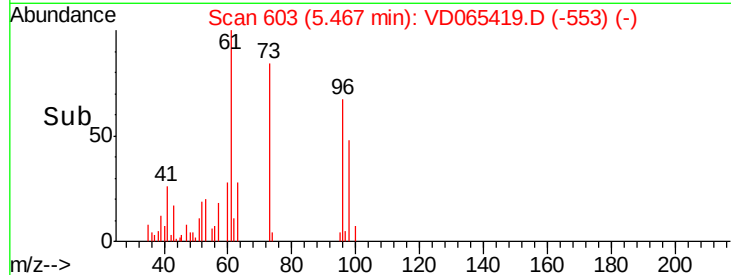
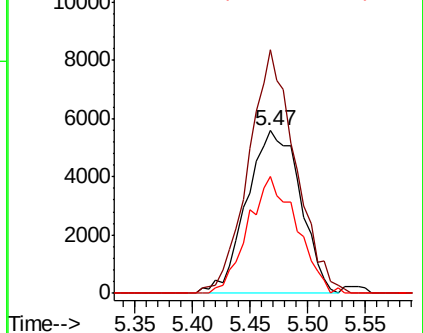
96 100

61 149.9 106.3 159.5

98 72.1 50.2 75.4



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



#22

Diisopropyl ether

Concen: 4.590 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion: 45 Resp: 45509

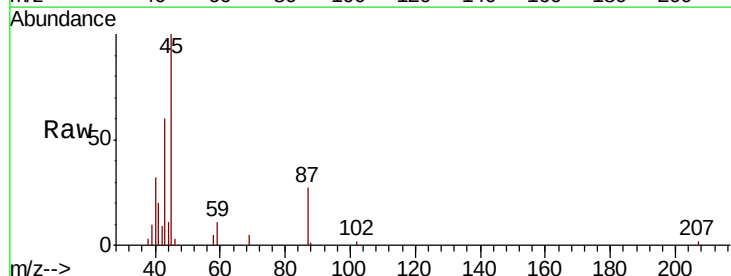
Ion Ratio Lower Upper

45 100

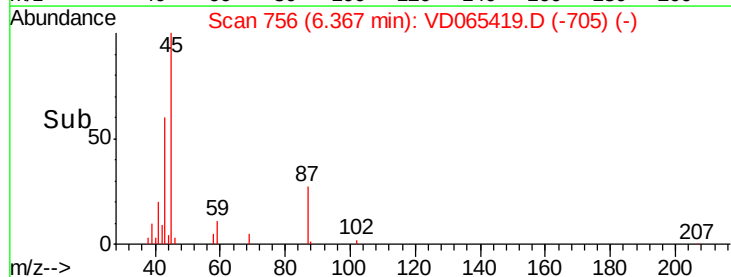
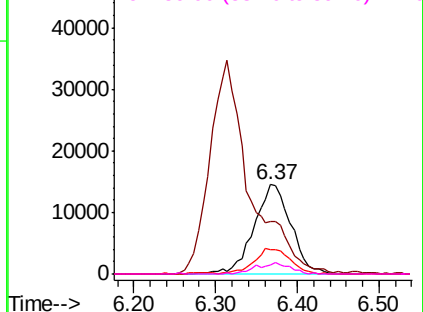
43 56.1 44.4 66.6

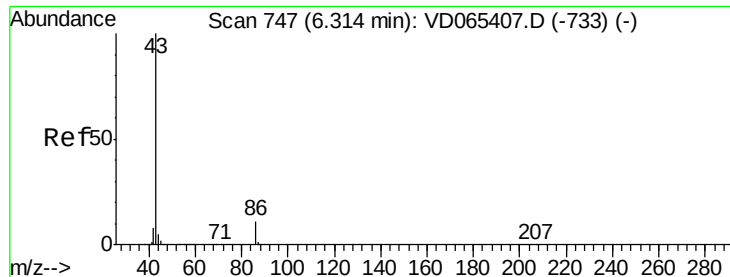
87 26.9 21.9 32.9

59 10.8 9.2 13.8



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: 21.560 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

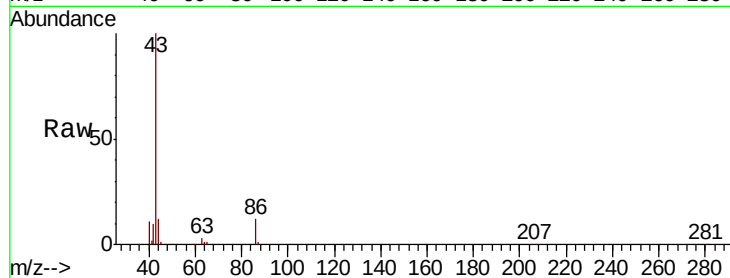
ClientSampleId :

Tot Ion: 43 Resp: 118689

Ion Ratio Lower Upper

43 100

86 12.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

40000

30000

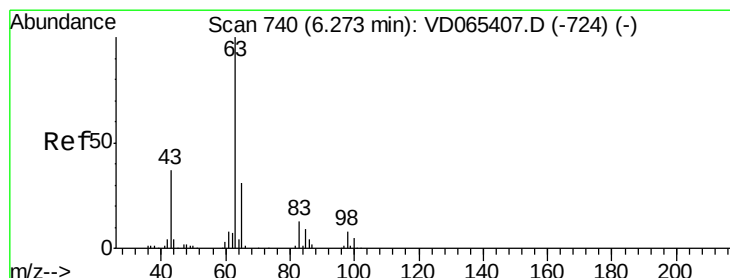
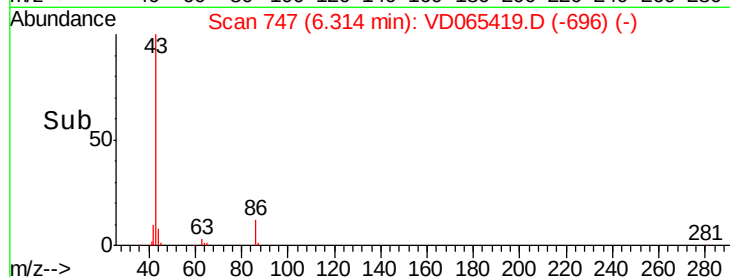
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 4.969 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

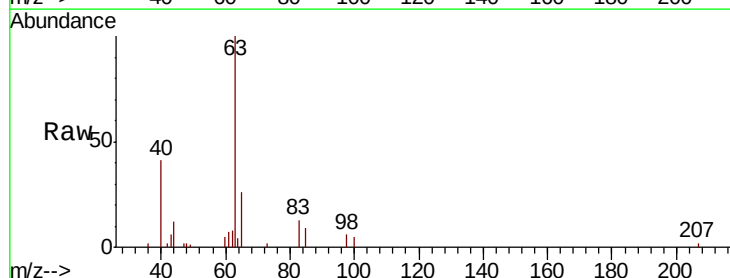
Tgt Ion: 63 Resp: 31597

Ion Ratio Lower Upper

63 100

98 5.6 4.2 12.6

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

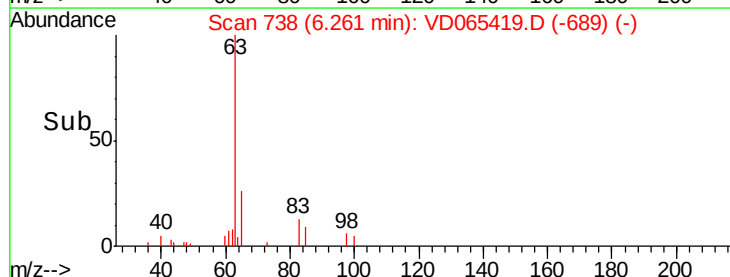
10000

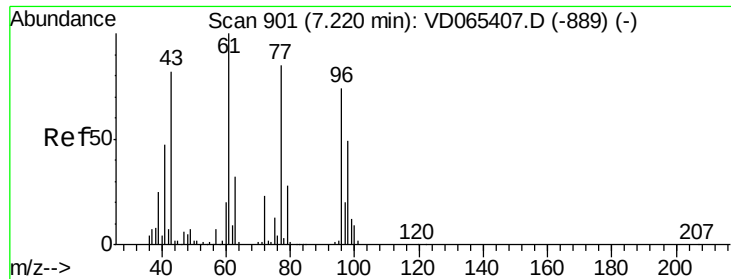
5000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 25.584 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

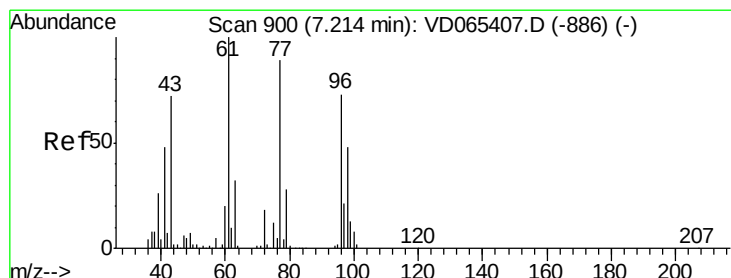
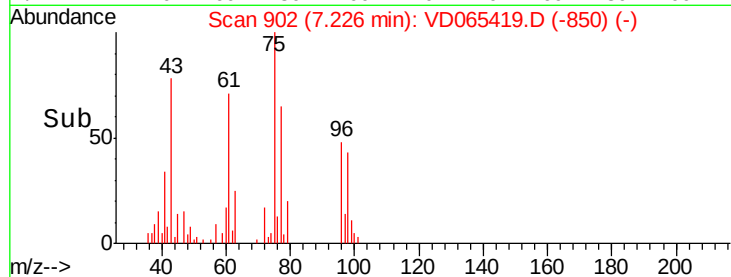
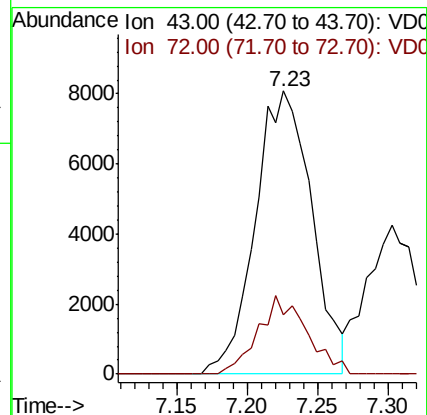
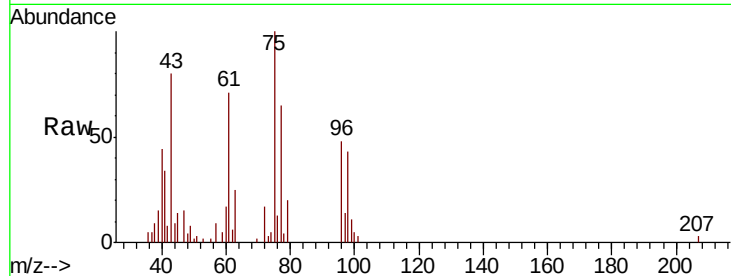
ClientSampleId :

Tot Ion: 43 Resp: 22611

Ion Ratio Lower Upper

43 100

72 21.0 22.3 33.5#



#26

2,2-Dichloropropane

Concen: 4.670 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065419.D

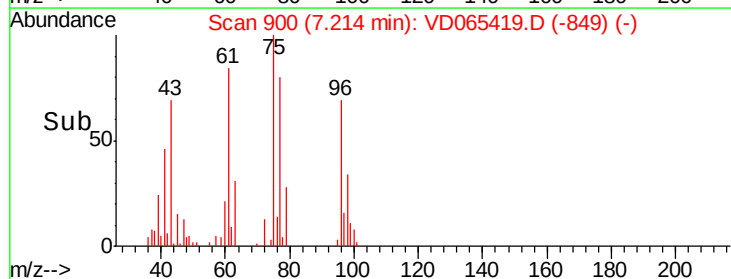
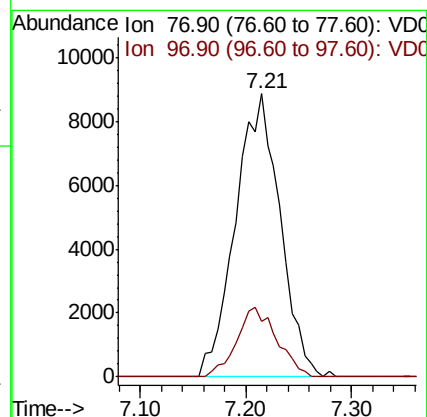
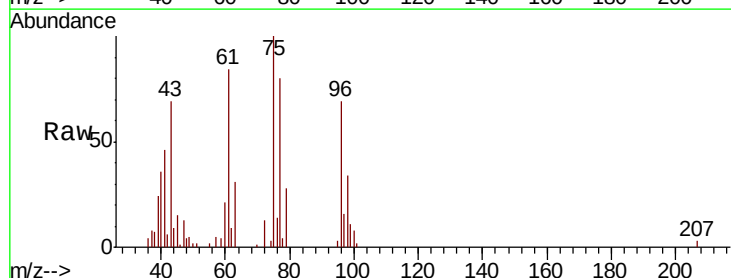
Acq: 04 Mar 2020 19:10

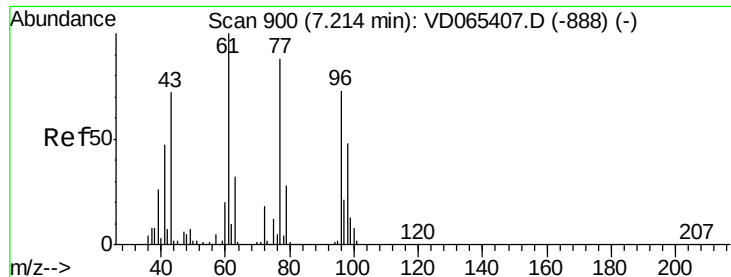
Tgt Ion: 77 Resp: 25950

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 4.774 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

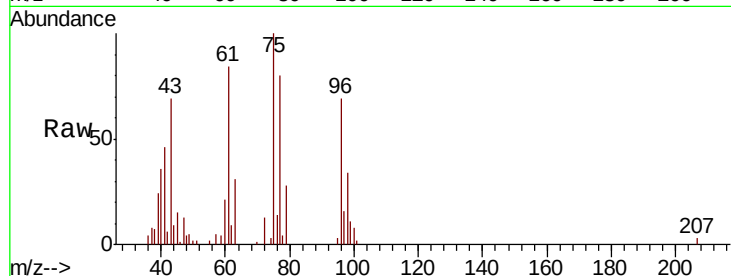
Tot Ion: 96 Resp: 18845

Ion Ratio Lower Upper

96 100

61 137.3 0.0 280.4

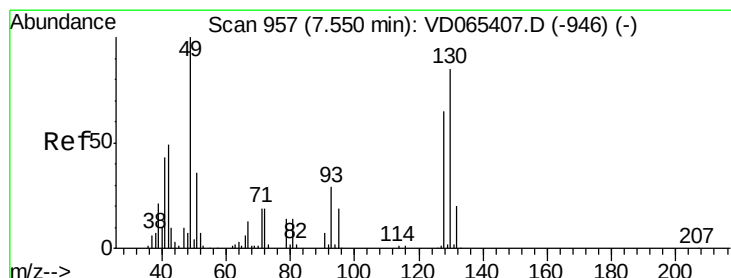
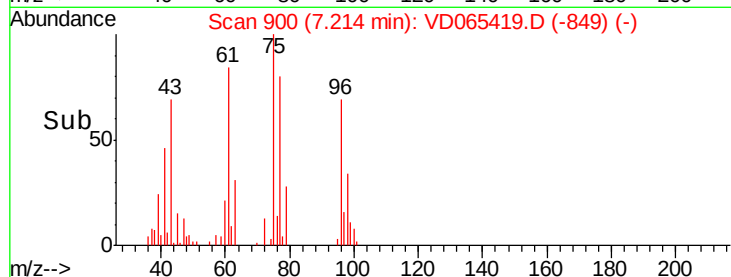
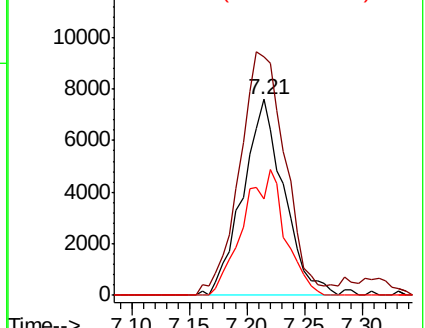
98 65.5 0.0 132.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 5.144 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

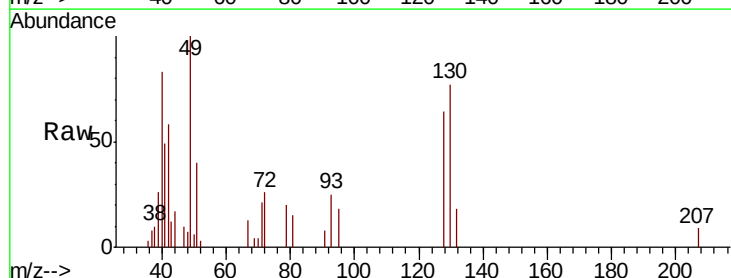
Tgt Ion: 49 Resp: 13087

Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.6

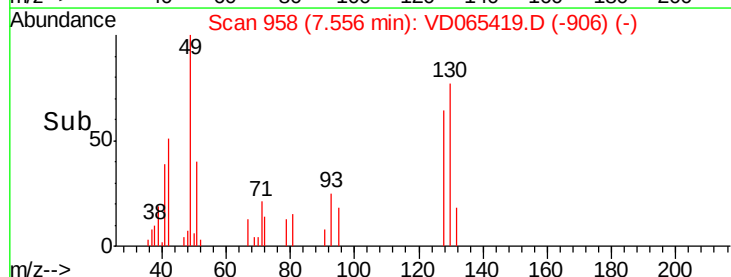
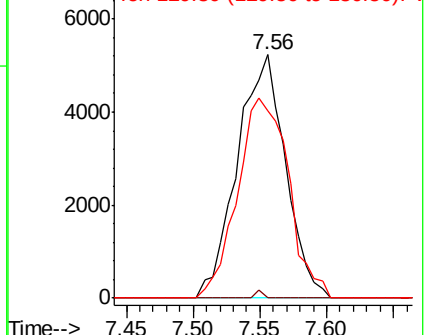
130 87.1 66.6 100.0

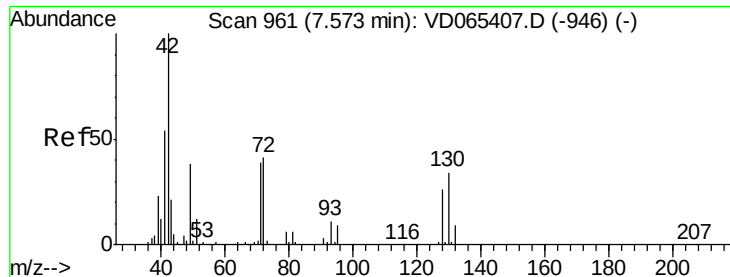


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

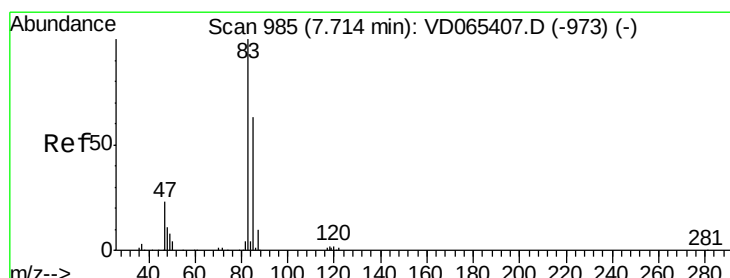
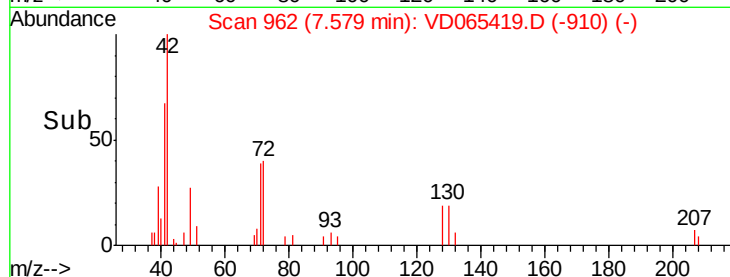
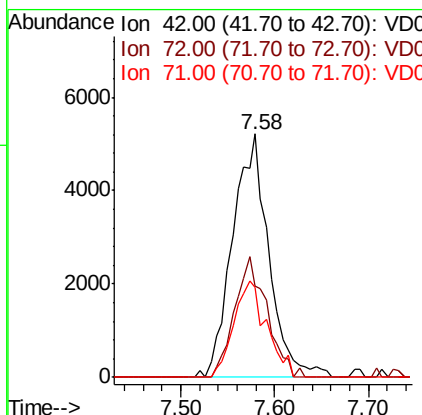
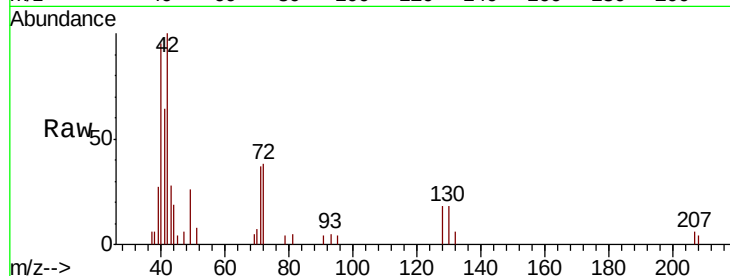




#29
Tetrahydrofuran
Concen: 24.775 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

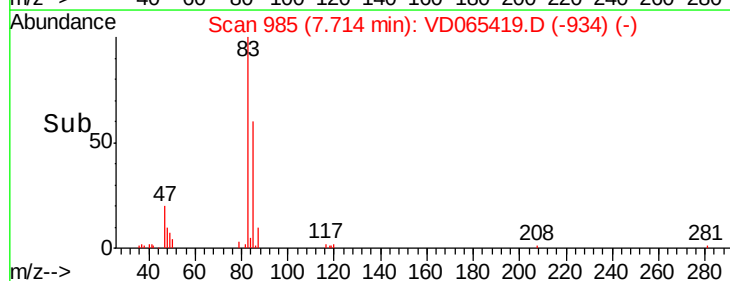
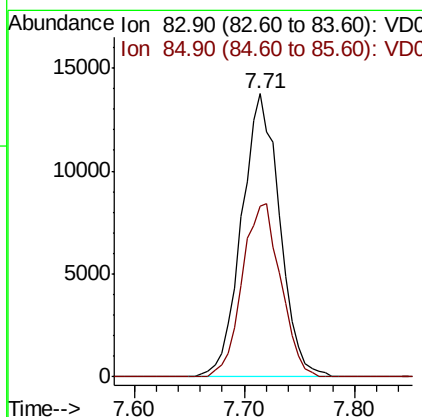
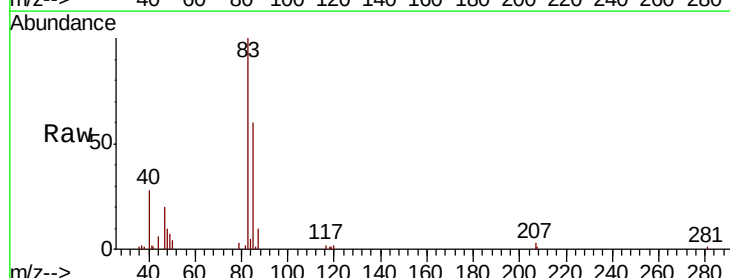
Instrument :
MSVOA_D
ClientSampleId :

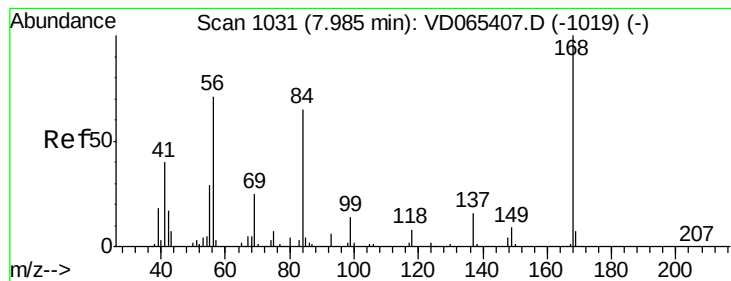
Tot Ion: 42 Resp: 13983
Ion Ratio Lower Upper
42 100
72 43.9 33.0 49.6
71 35.9 32.0 48.0



#30
Chloroform
Concen: 5.244 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 83 Resp: 33330
Ion Ratio Lower Upper
83 100
85 60.4 50.3 75.5





#31

Cyclohexane

Concen: 5.077 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

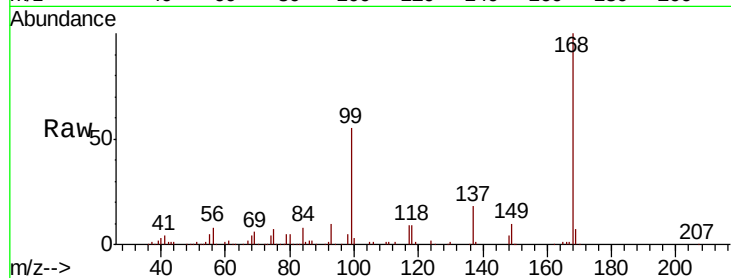
Tot Ion: 56 Resp: 32285

Ion Ratio Lower Upper

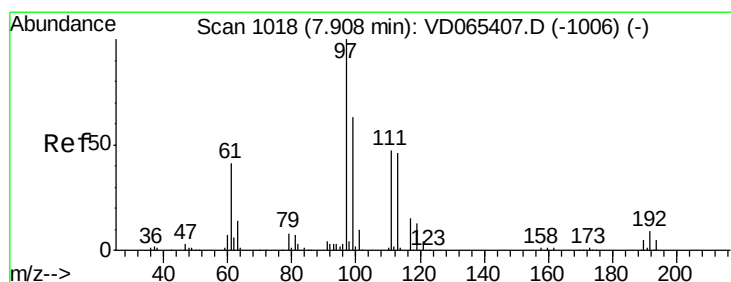
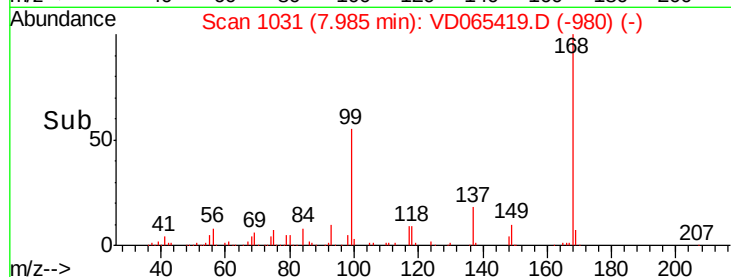
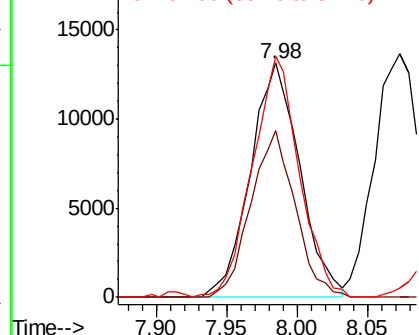
56 100

69 71.1 28.3 42.5#

84 103.1 73.1 109.7



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: 4.449 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

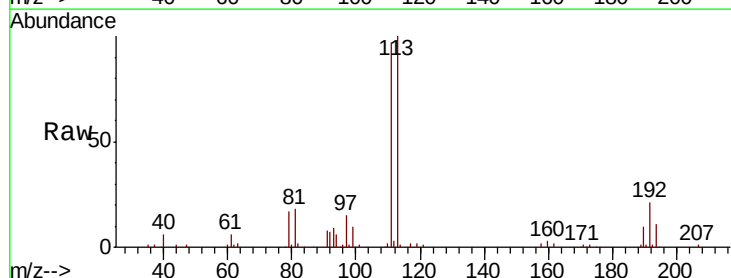
Tgt Ion: 97 Resp: 26131

Ion Ratio Lower Upper

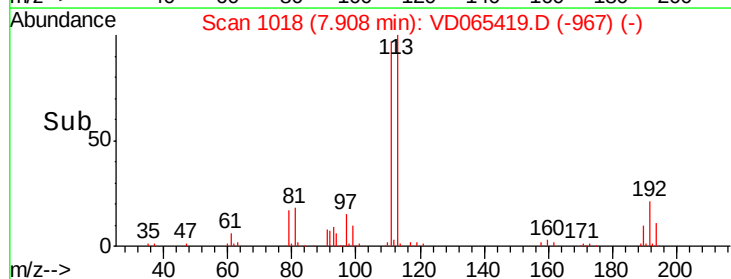
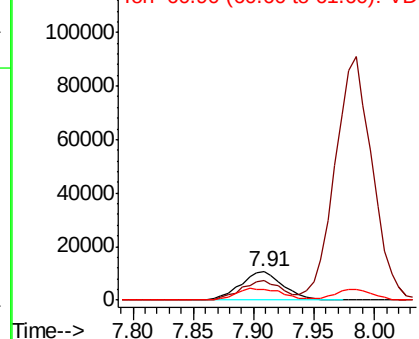
97 100

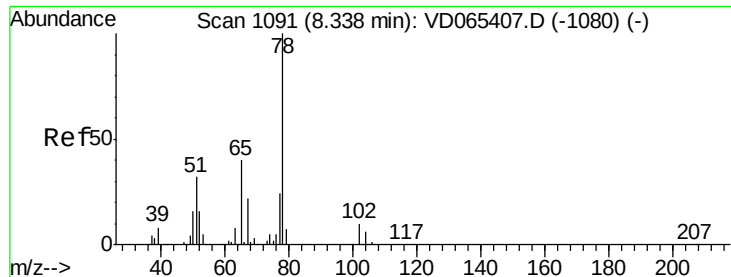
99 64.1 50.9 76.3

61 44.2 33.2 49.8



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

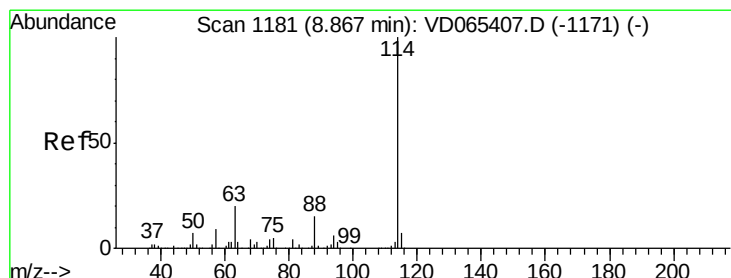
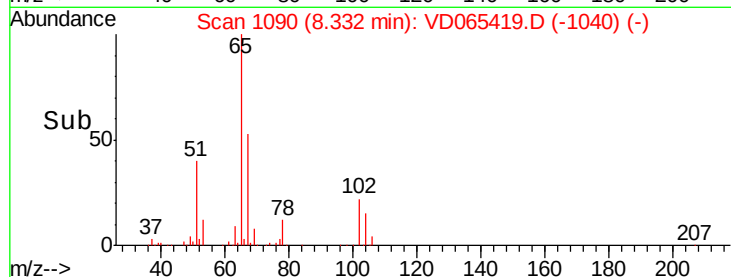
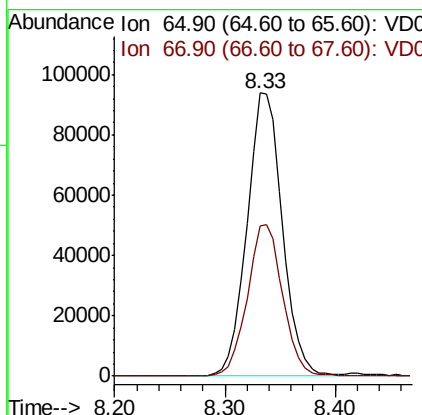
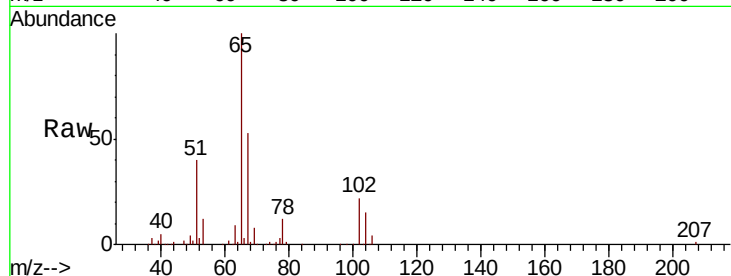




#33
 1,2-Dichloroethane-d4
 Concen: 65.876 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

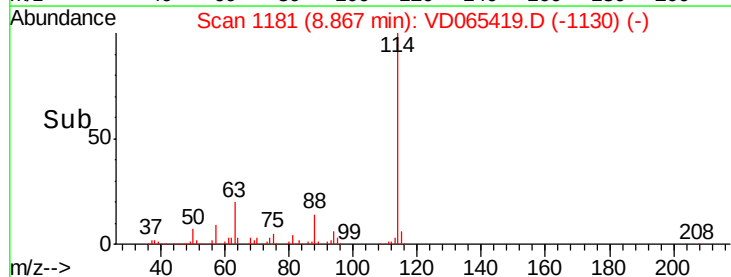
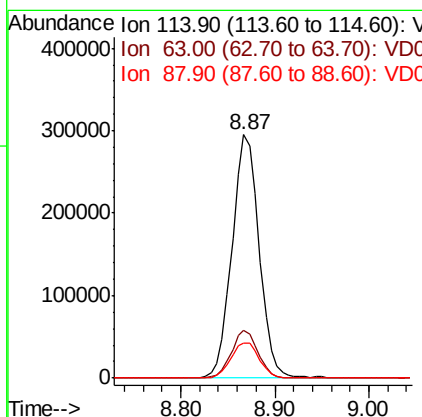
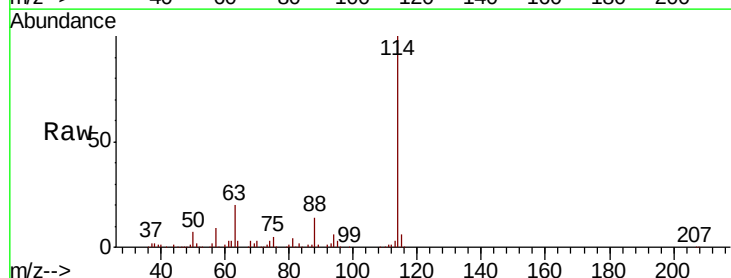
Instrument :
 MSVOA_D
 ClientSampled :

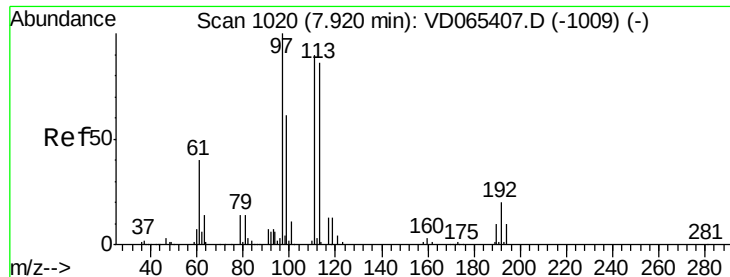
Tot Ion: 65 Resp: 210955
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 114 Resp: 591408
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 14.4 0.0 30.4

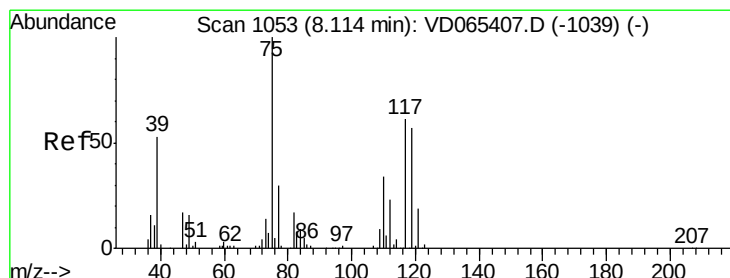
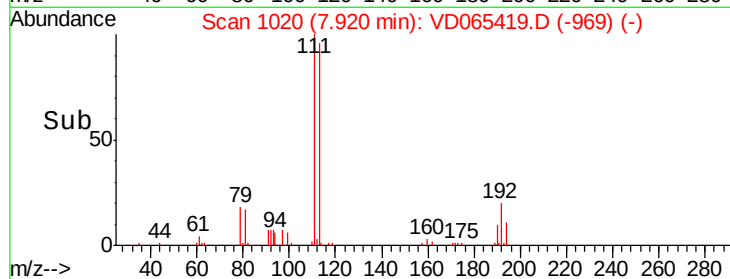
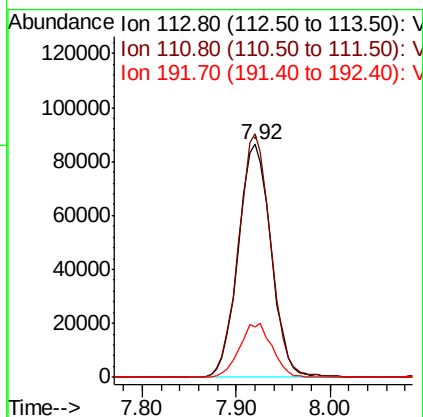
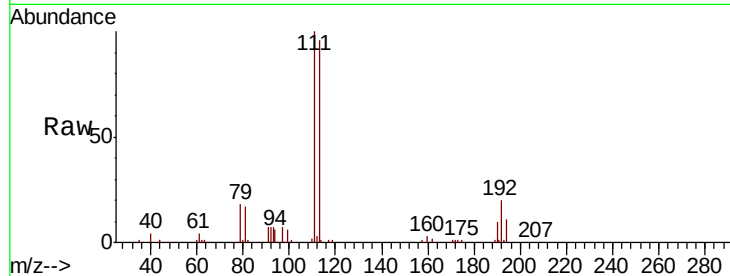




#35
 Dibromofluoromethane
 Concen: 57.198 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

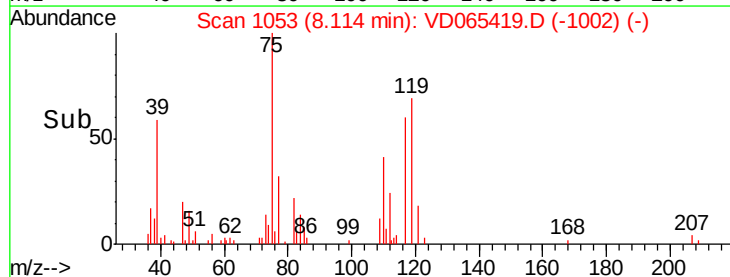
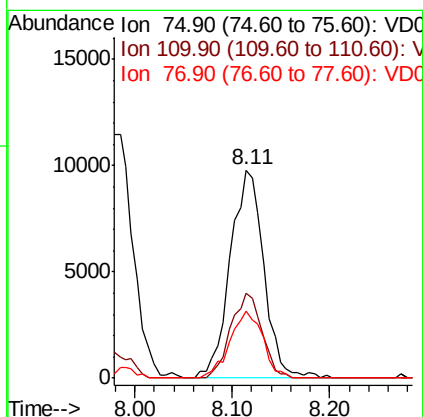
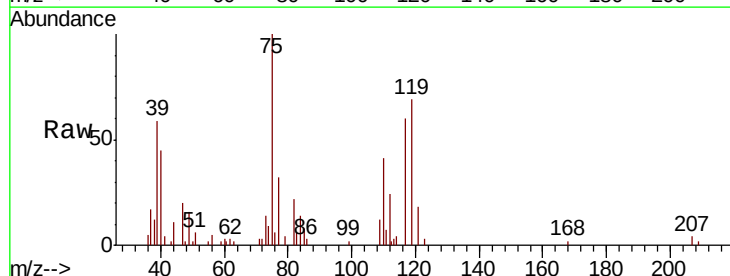
Instrument :
 MSVOA_D
 ClientSampleId :

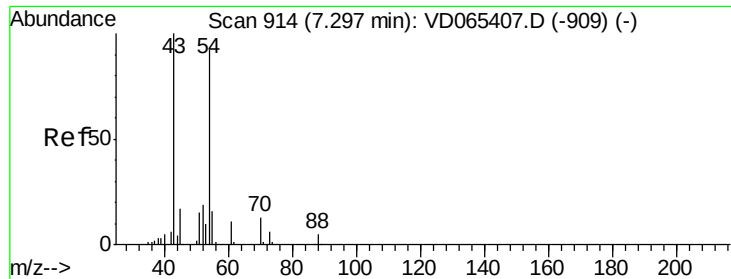
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	22.8	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.120 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.1	54.1
77	31.5	25.2	37.8

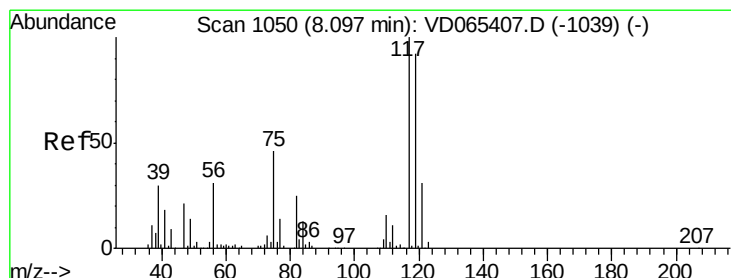
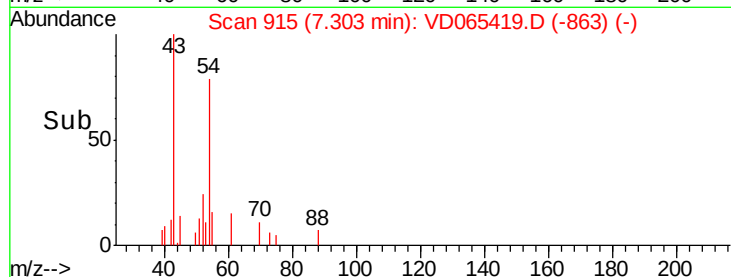
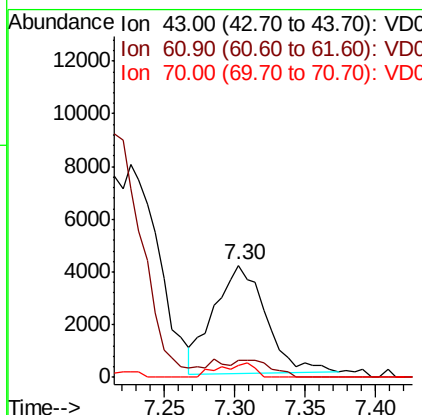
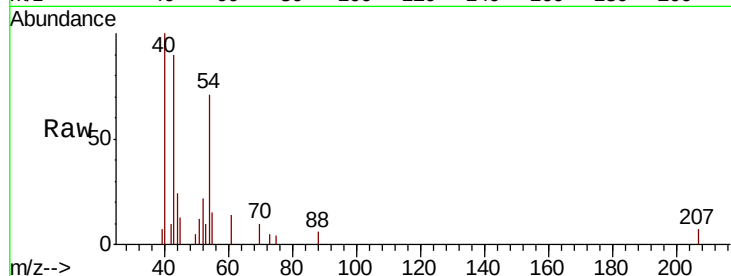




#37
Ethyl Acetate
Concen: 4.848 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

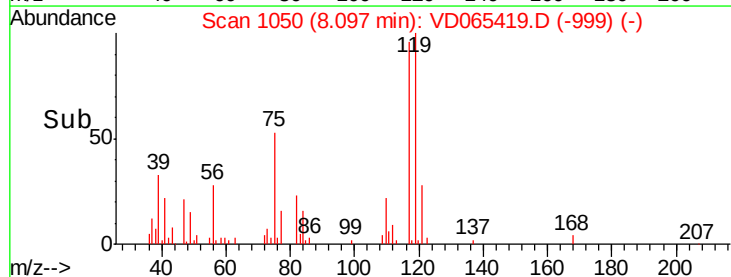
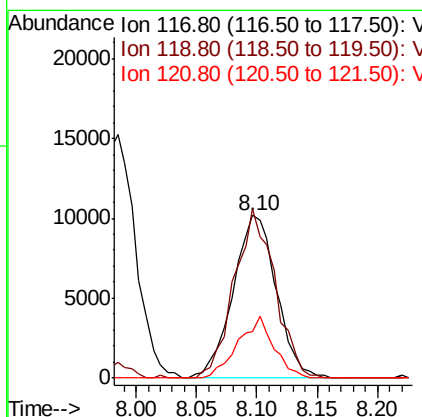
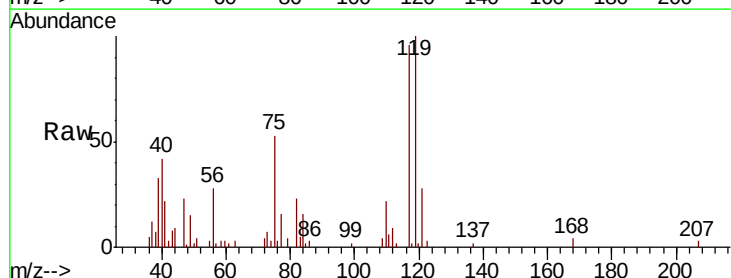
Instrument :
MSVOA_D
ClientSampled :

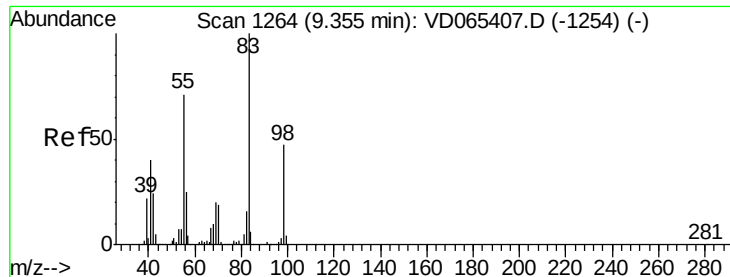
Tot Ion: 43 Resp: 10622
Ion Ratio Lower Upper
43 100
61 10.8 11.4 17.0#
70 9.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 4.339 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 117 Resp: 25507
Ion Ratio Lower Upper
117 100
119 104.0 73.3 109.9
121 28.6 25.0 37.4

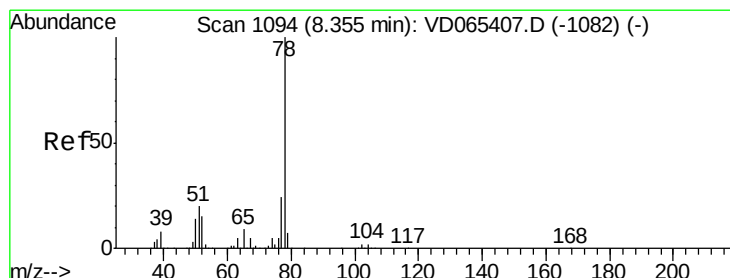
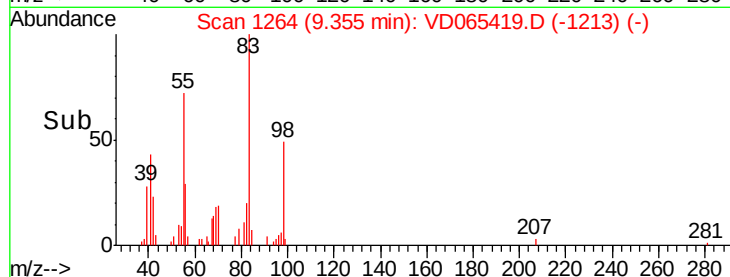
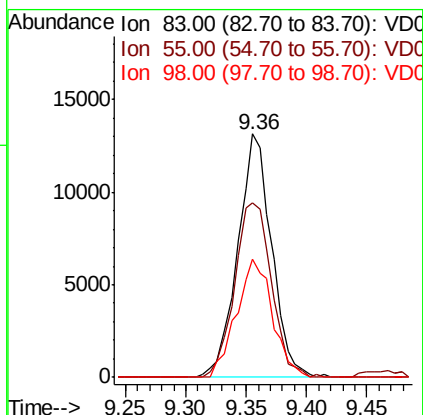
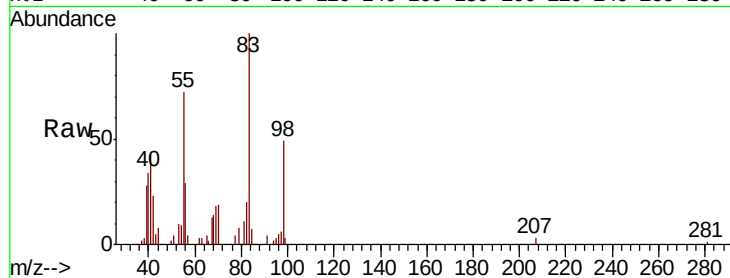




#39
Methylvlcyclohexane
Concen: 3.762 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

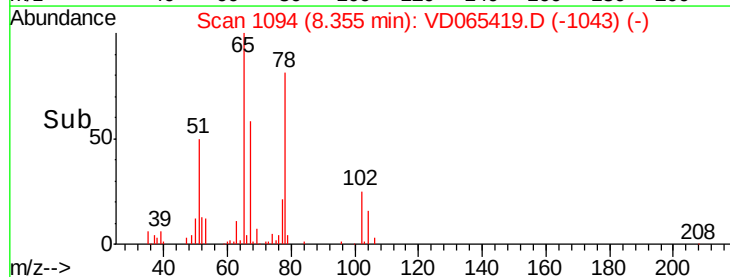
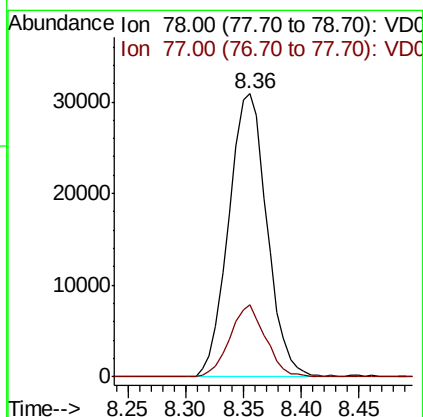
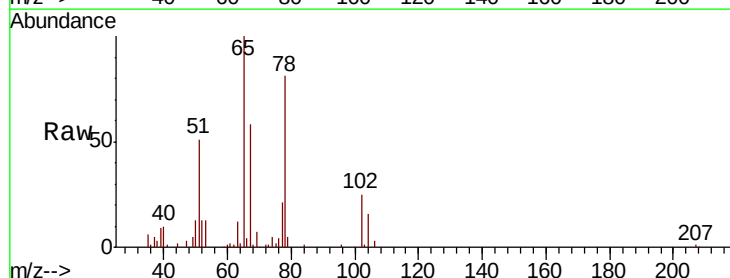
Instrument :
MSVOA_D
ClientSampleId :

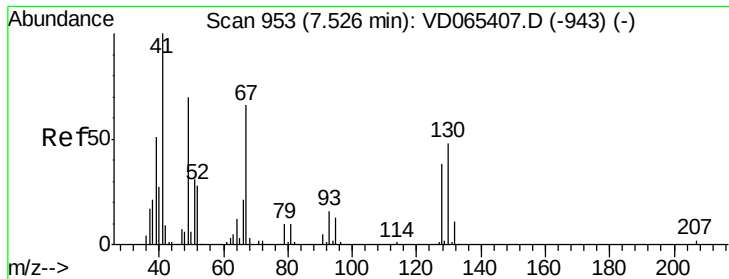
Tot Ion: 83 Resp: 25761
Ion Ratio Lower Upper
83 100
55 71.9 57.1 85.7
98 48.8 37.8 56.8



#40
Benzene
Concen: 4.477 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 78 Resp: 70957
Ion Ratio Lower Upper
78 100
77 25.6 19.4 29.0

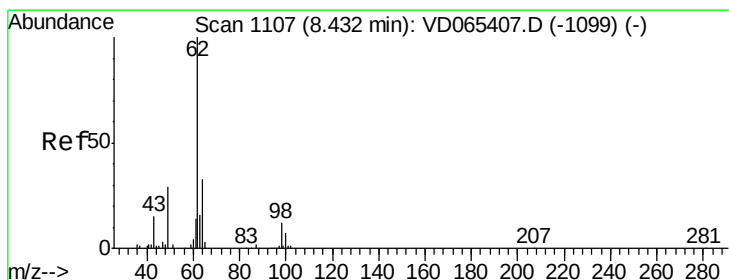
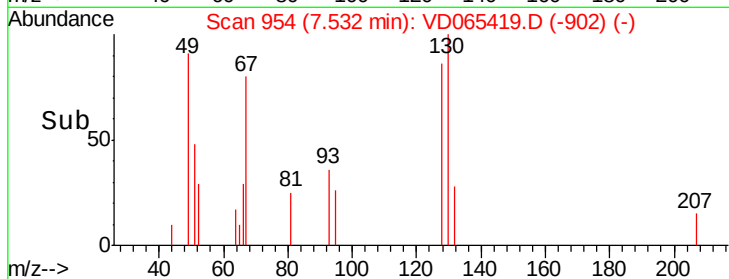
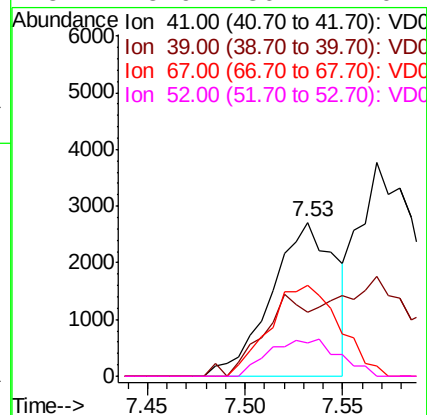
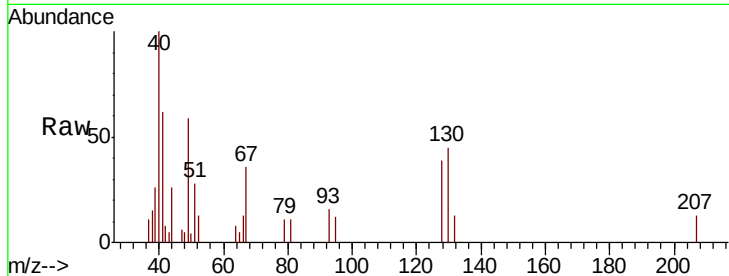




#41
Methacrylonitrile
Concen: 5.356 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

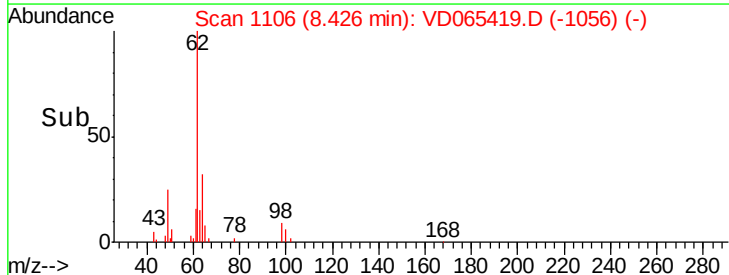
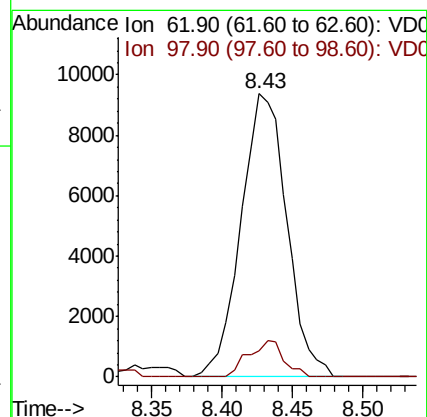
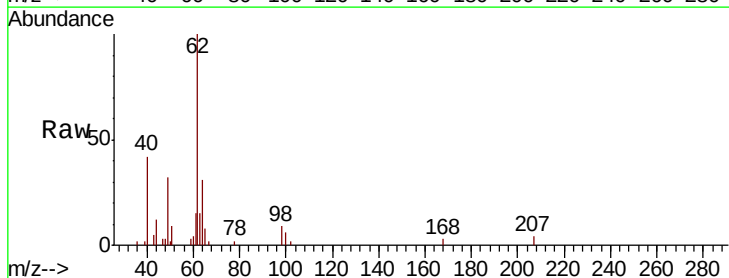
Instrument :
MSVOA_D
ClientSampleID :

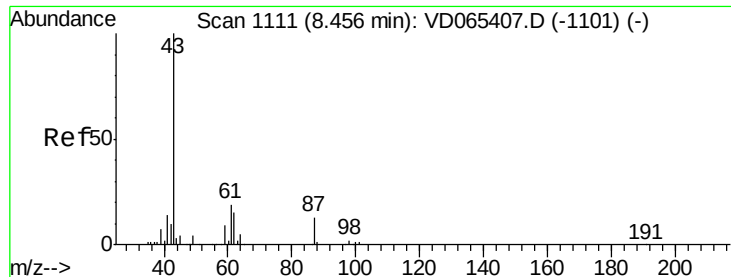
Tot Ion: 41 Resp: 6206
Ion Ratio Lower Upper
41 100
39 36.8 55.0 82.6#
67 64.0 70.3 105.5#
52 25.9 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 5.153 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 62 Resp: 21326
Ion Ratio Lower Upper
62 100
98 10.0 0.0 21.4





#43

Isopropyl Acetate

Concen: 4.779 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

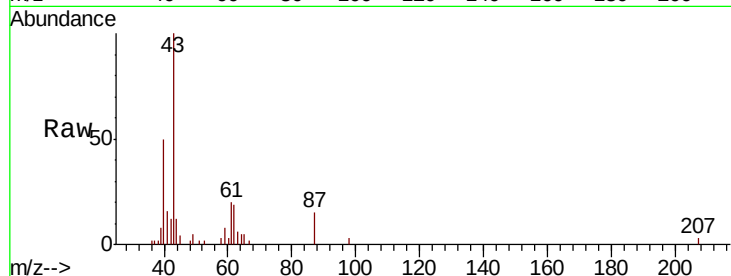
Tot Ion: 43 Resp: 19336

Ion Ratio Lower Upper

43 100

61 32.8 25.0 37.6

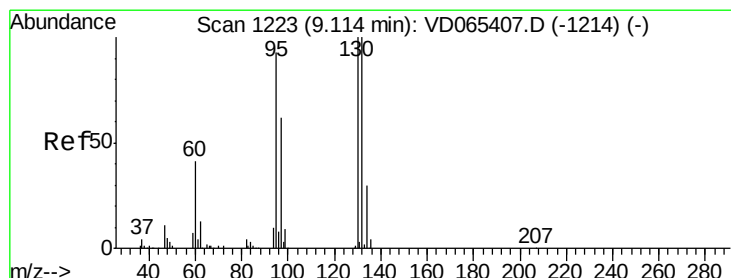
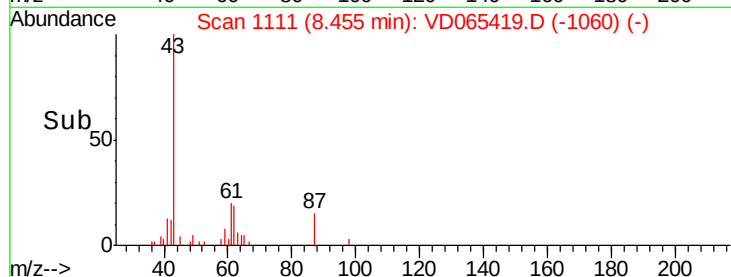
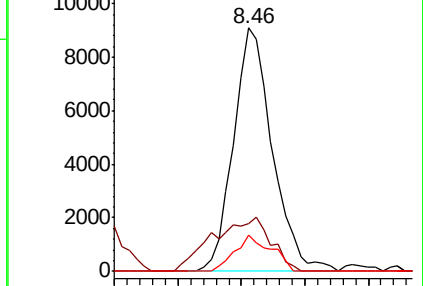
87 13.8 11.0 16.4



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: 4.561 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065419.D

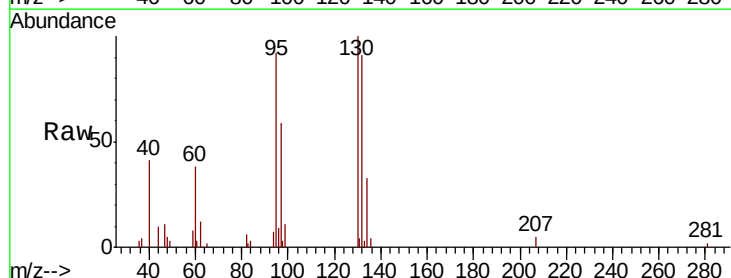
Acq: 04 Mar 2020 19:10

Tgt Ion:130 Resp: 20414

Ion Ratio Lower Upper

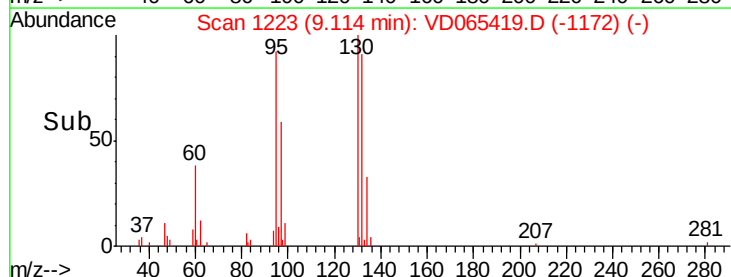
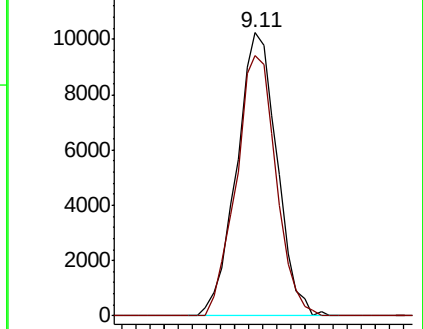
130 100

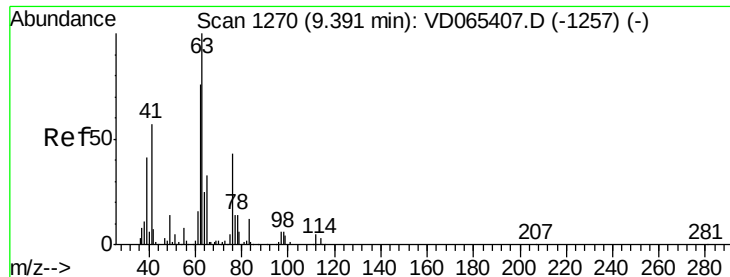
95 91.8 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

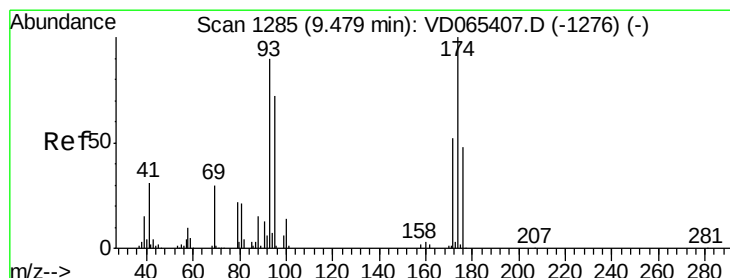
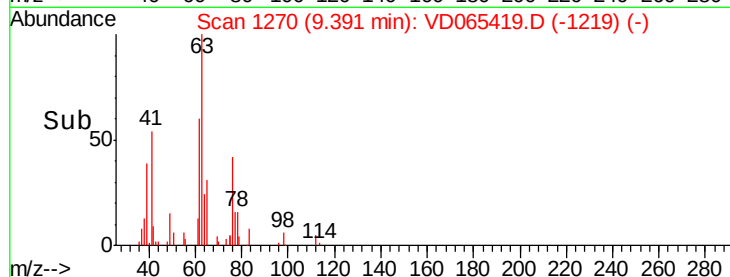
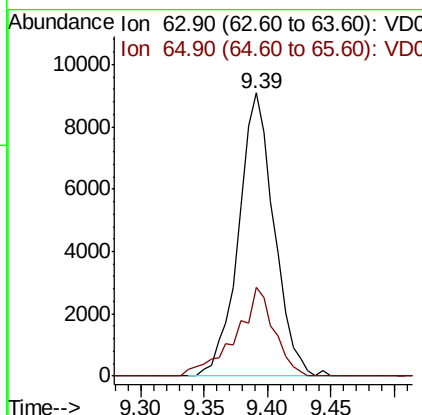
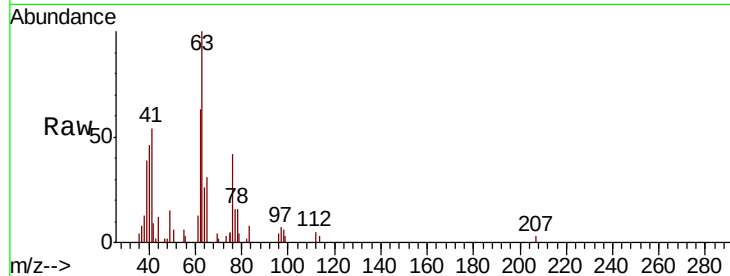




#45
 1,2-Dichloropropane
 Concen: 4.609 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

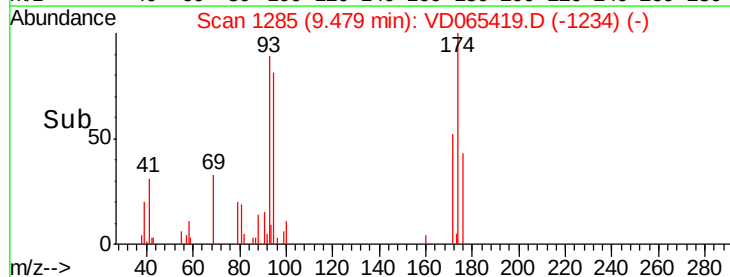
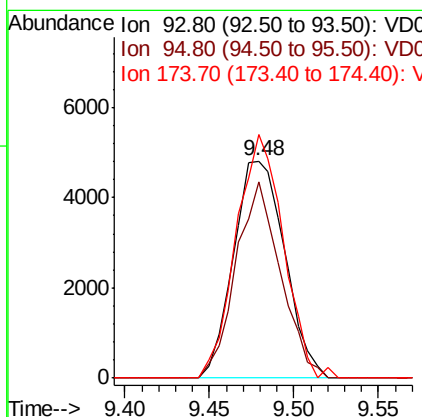
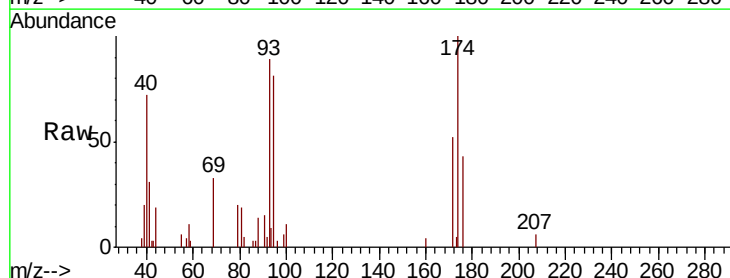
Instrument :
 MSVOA_D
 ClientSampled :

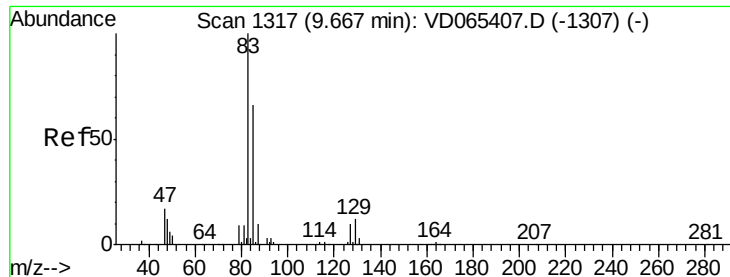
Tot Ion: 63 Resp: 17696
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.4 39.6



#46
 Dibromomethane
 Concen: 5.106 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 93 Resp: 10168
 Ion Ratio Lower Upper
 93 100
 95 78.9 65.0 97.6
 174 103.6 88.3 132.5





#47

Bromodichloromethane

Concen: 4.935 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

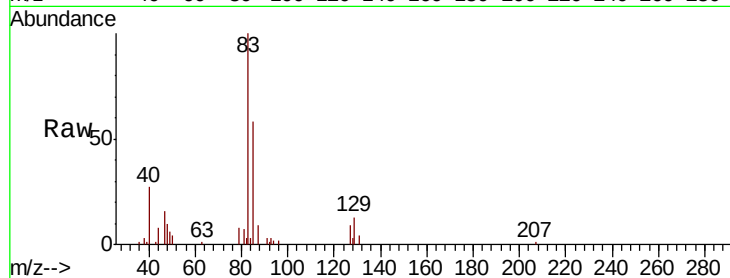
Tot Ion: 83 Resp: 25570

Ion Ratio Lower Upper

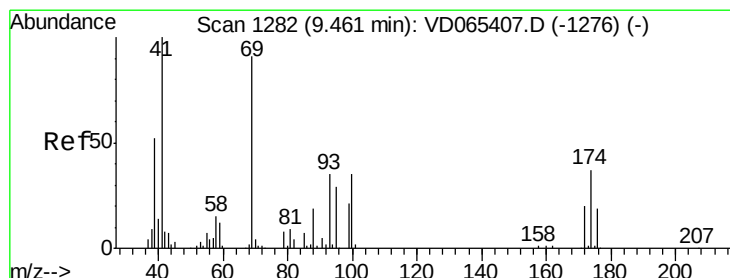
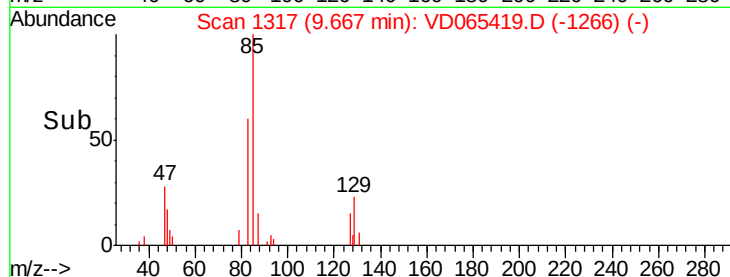
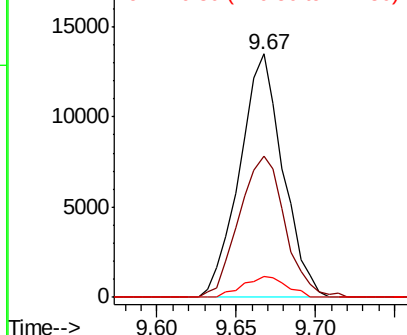
83 100

85 58.0 52.8 79.2

127 8.8 8.0 12.0



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



#48

Methyl methacrylate

Concen: 4.725 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

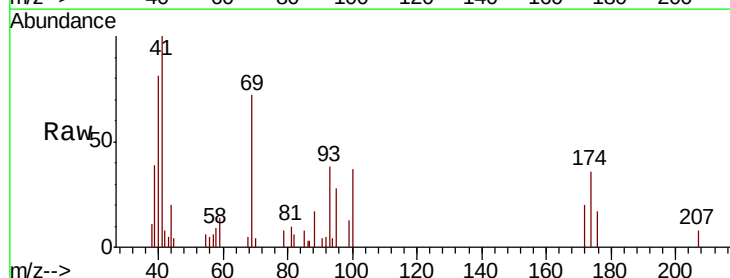
Tgt Ion: 41 Resp: 8992

Ion Ratio Lower Upper

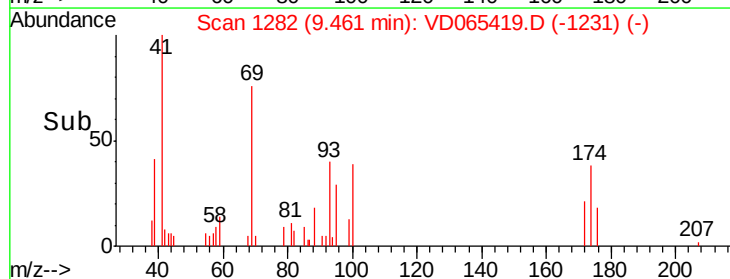
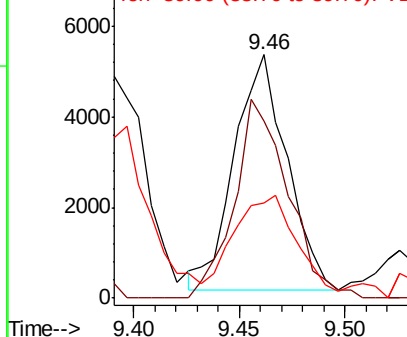
41 100

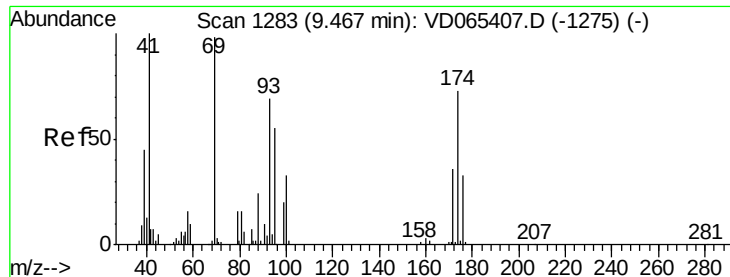
69 86.1 72.5 108.7

39 46.2 41.6 62.4



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

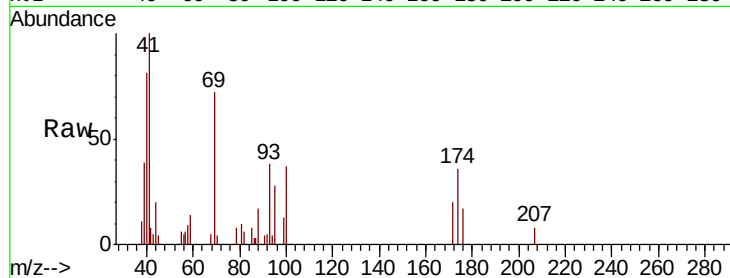




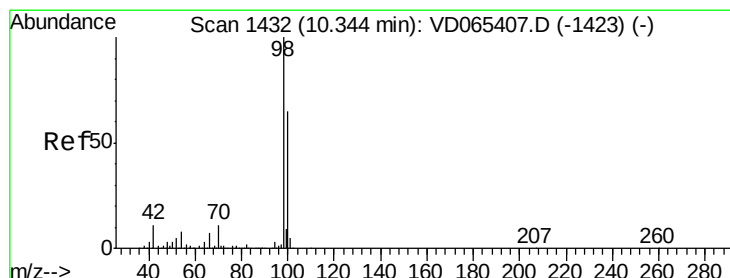
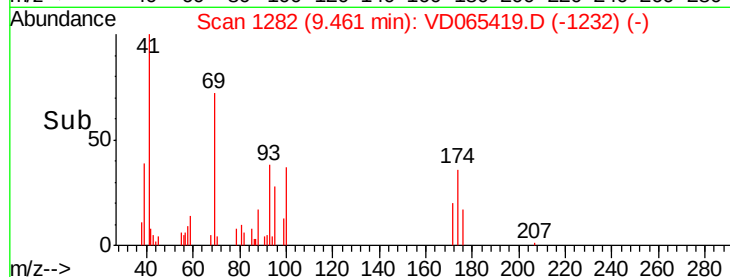
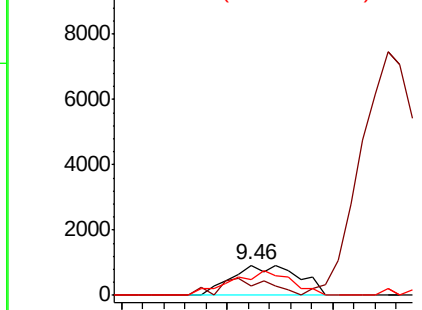
#49
1,4-Dioxane
Concen: 89.111 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 2030
Ion Ratio Lower Upper
88 100
43 41.2 24.5 36.7#
58 73.3 54.5 81.7

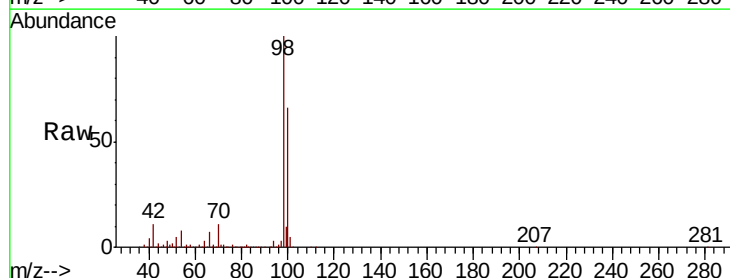


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

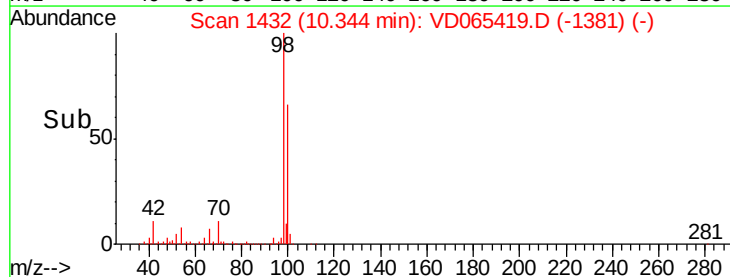
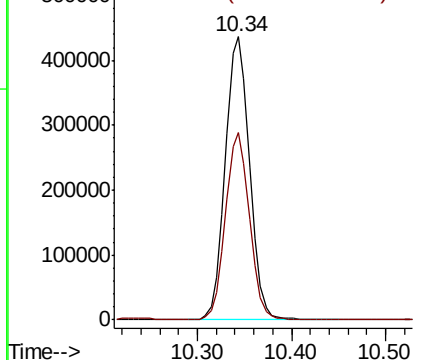


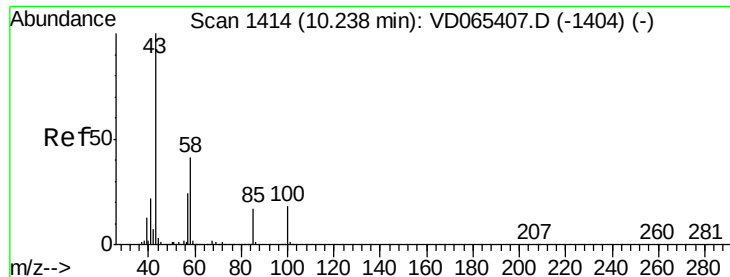
#50
Toluene-d8
Concen: 55.927 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 98 Resp: 784704
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 22.595 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

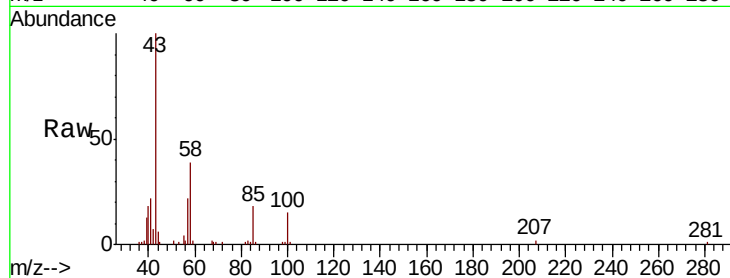
ClientSampled :

Tot Ion: 43 Resp: 46002

Ion Ratio Lower Upper

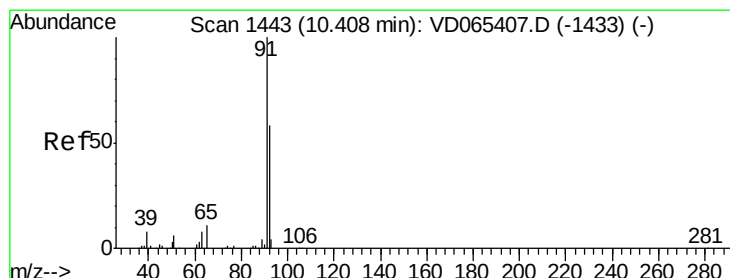
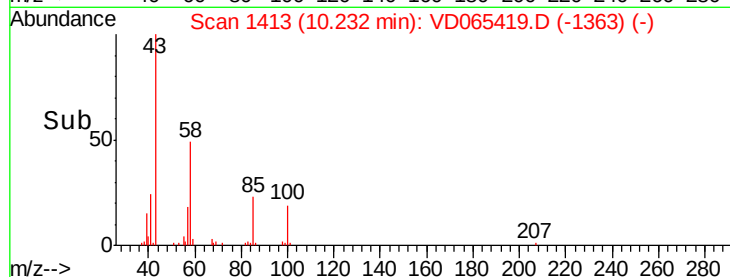
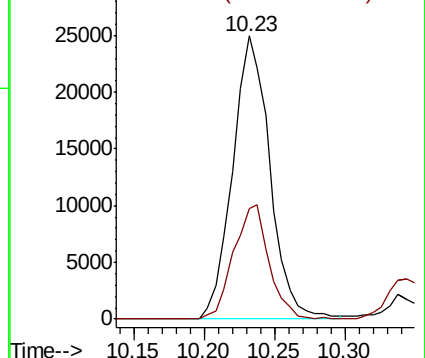
43 100

58 38.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.407 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065419.D

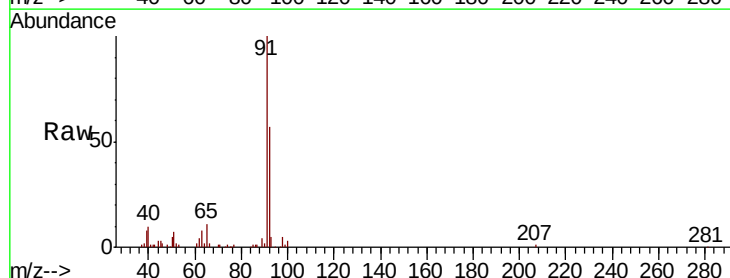
Acq: 04 Mar 2020 19:10

Tgt Ion: 92 Resp: 44004

Ion Ratio Lower Upper

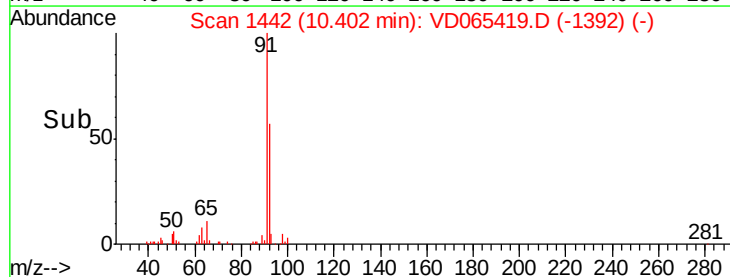
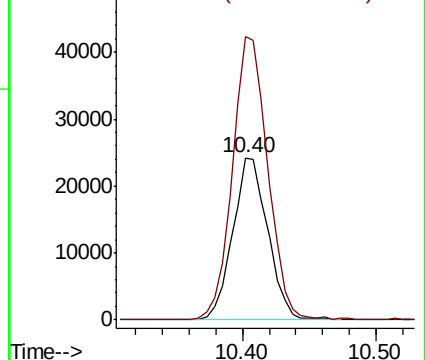
92 100

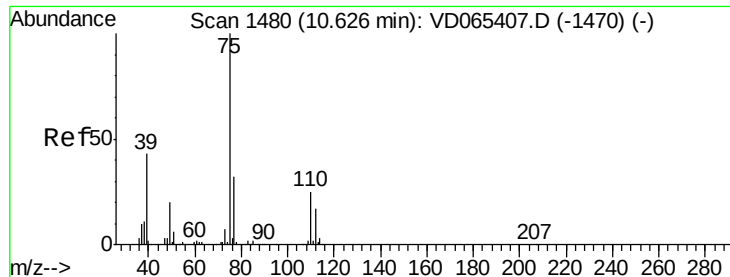
91 176.7 137.8 206.8



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: 4.438 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

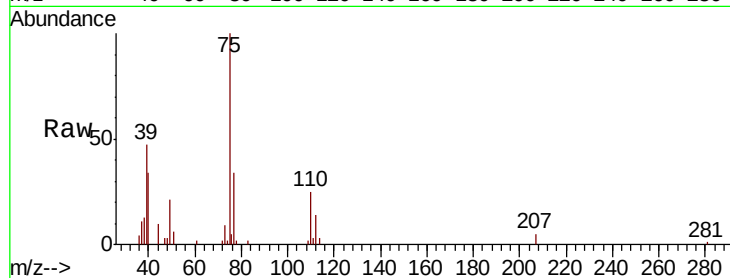
ClientSampleId :

Tot Ion: 75 Resp: 21486

Ion Ratio Lower Upper

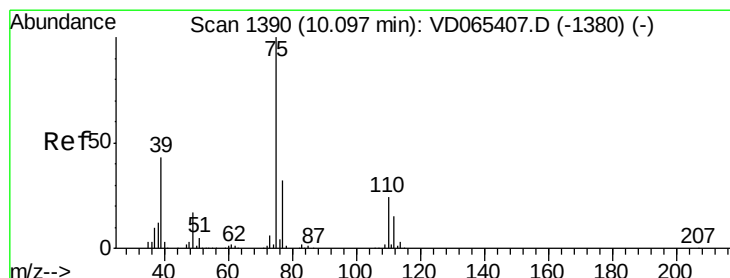
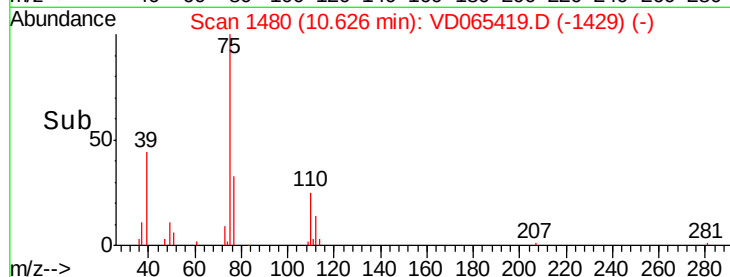
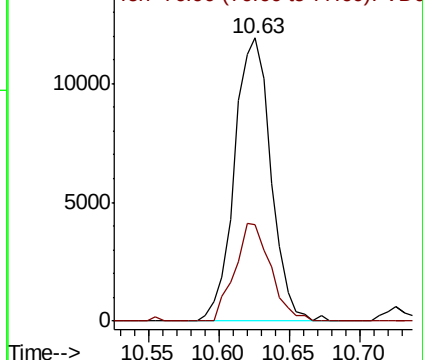
75 100

77 34.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.250 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

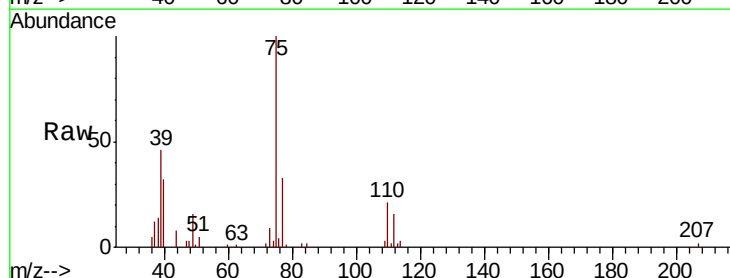
Tgt Ion: 75 Resp: 24909

Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

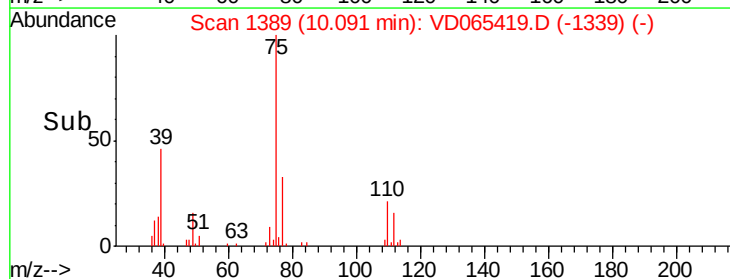
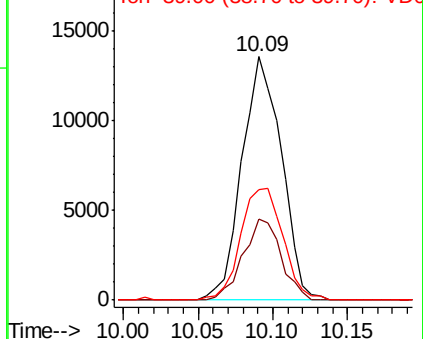
39 45.6 34.6 52.0

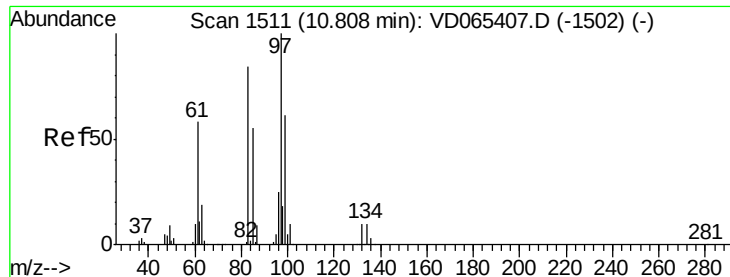


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



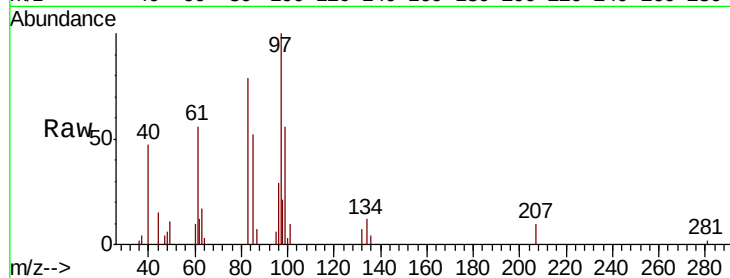


#55
 1,1,2-Trichloroethane
 Concen: 5.124 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 14454

Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.4	101.0
85	52.2	43.8	65.8
99	55.7	48.8	73.2



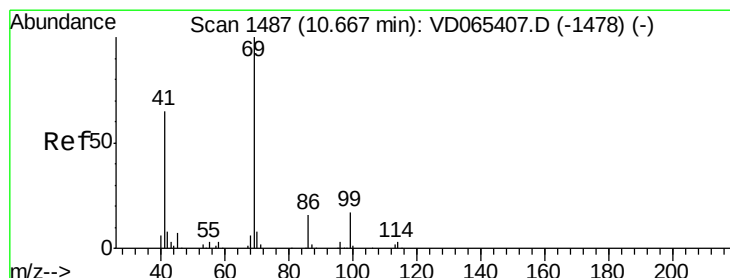
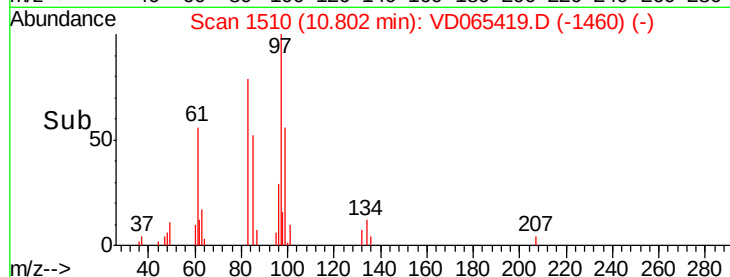
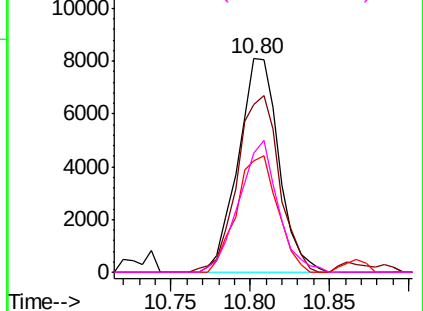
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

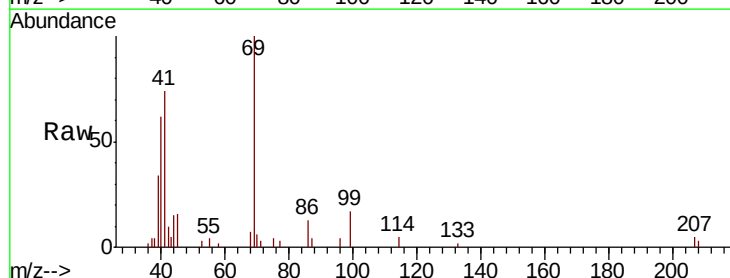
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 4.329 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 69 Resp: 13765

Ion	Ratio	Lower	Upper
69	100		
41	72.0	53.0	79.6
39	31.6	26.0	39.0

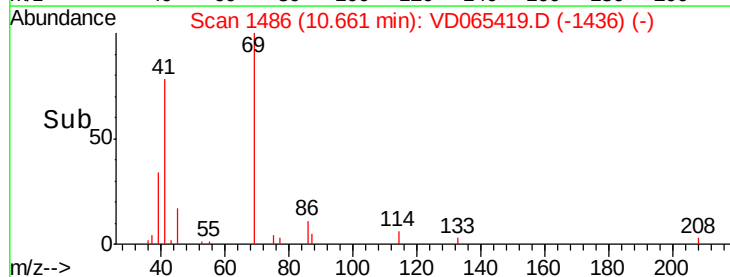
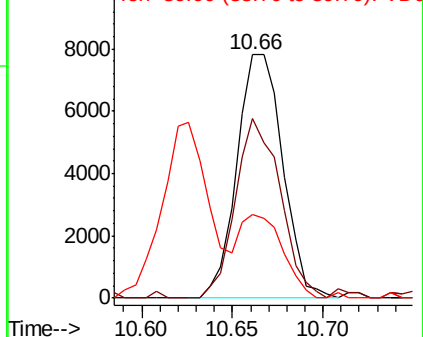


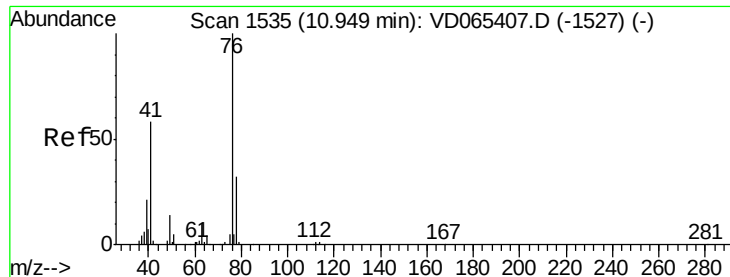
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 4.801 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

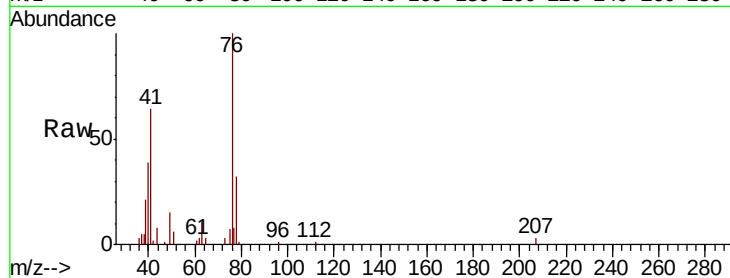
ClientSampled :

Tot Ion: 76 Resp: 22911

Ion Ratio Lower Upper

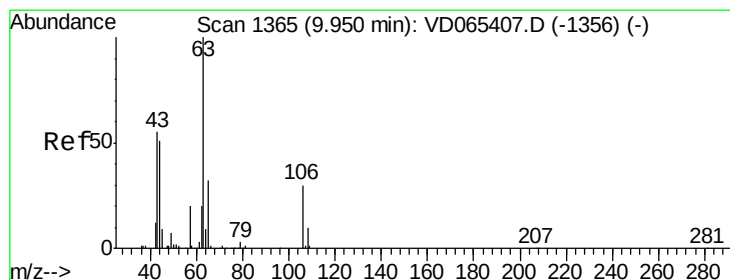
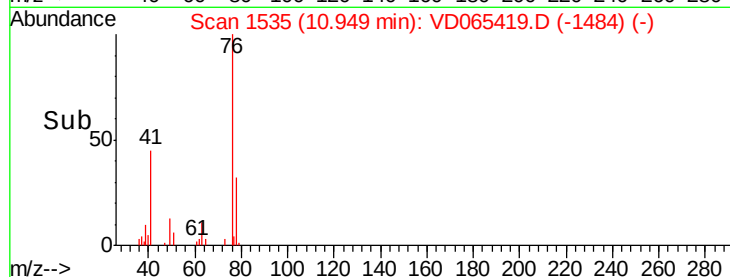
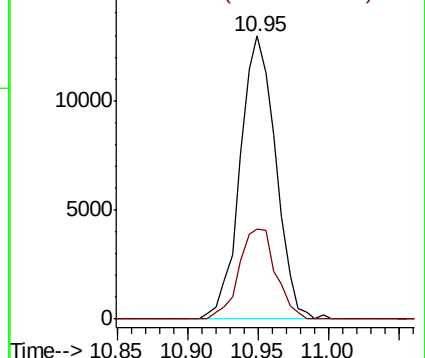
76 100

78 32.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 20.324 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065419.D

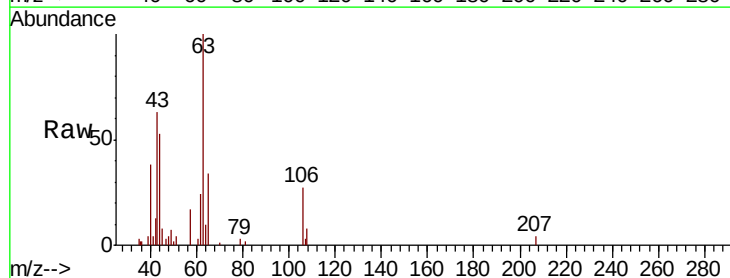
Acq: 04 Mar 2020 19:10

Tgt Ion: 63 Resp: 20842

Ion Ratio Lower Upper

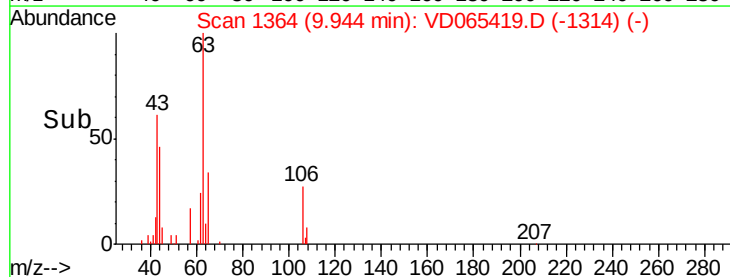
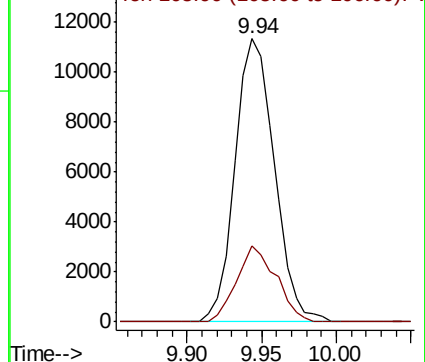
63 100

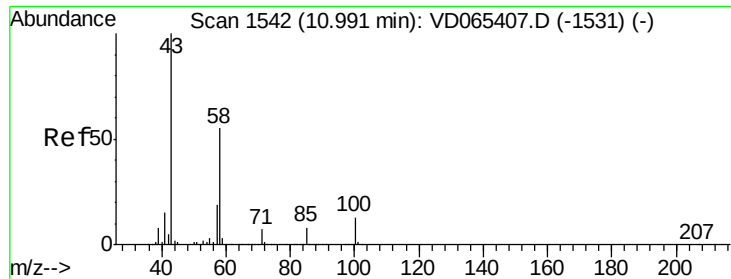
106 26.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

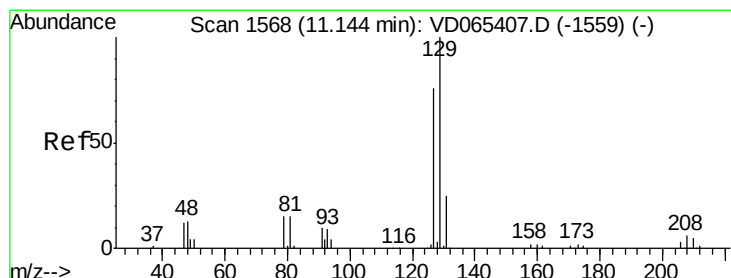
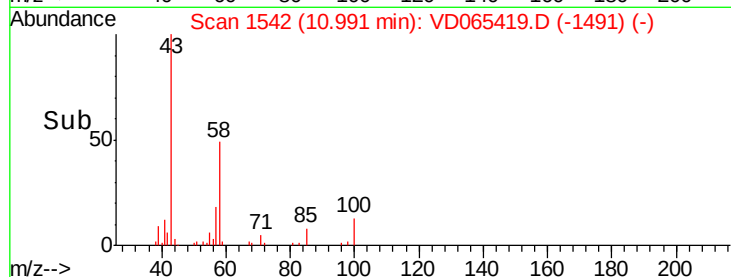
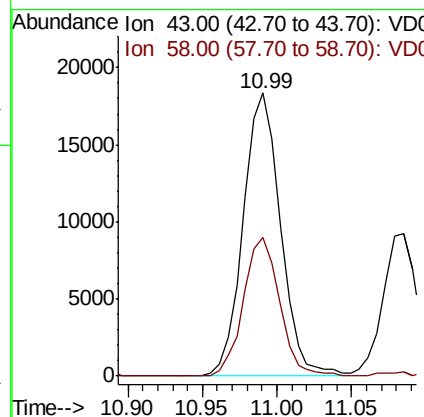
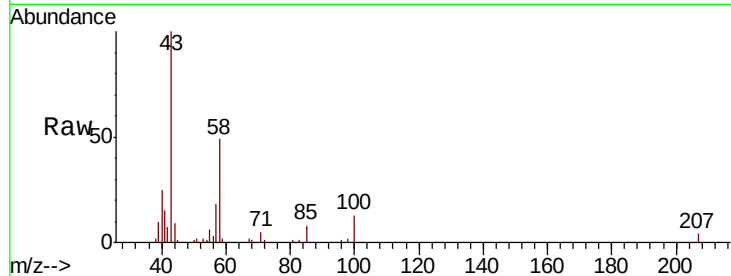




#59
2-Hexanone
Concen: 22.585 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

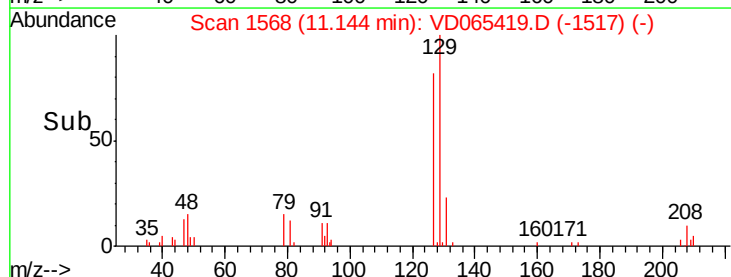
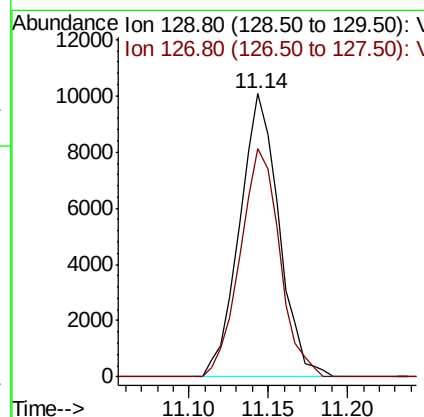
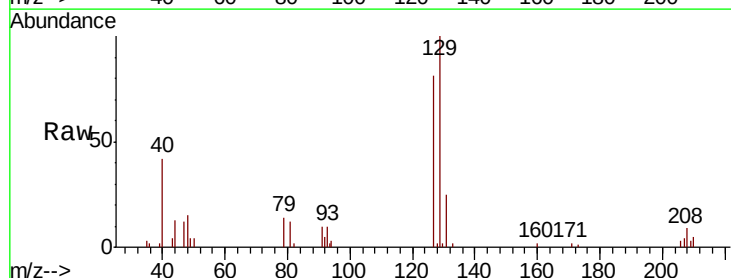
Instrument :
MSVOA_D
ClientSampled :

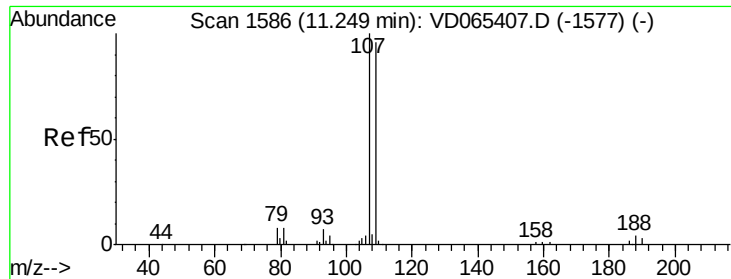
Tot Ion: 43 Resp: 31830
Ion Ratio Lower Upper
43 100
58 47.5 27.4 82.2



#60
Dibromochloromethane
Concen: 4.794 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:129 Resp: 17332
Ion Ratio Lower Upper
129 100
127 81.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.772 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

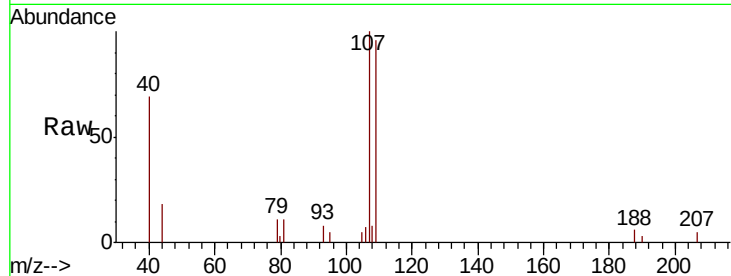
ClientSampleId :

Tot Ion:107 Resp: 12840

Ion Ratio Lower Upper

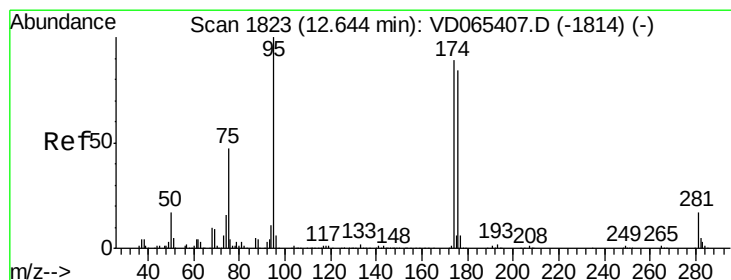
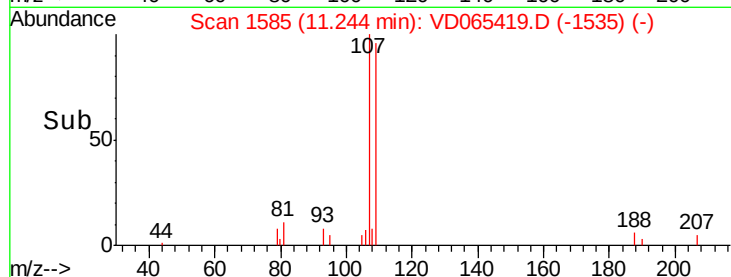
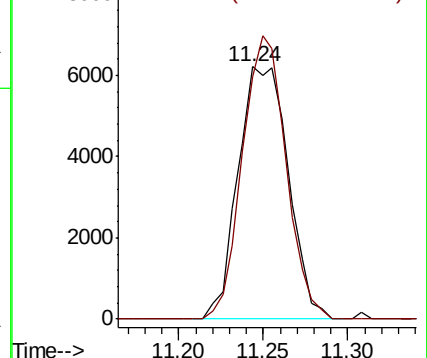
107 100

109 97.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.452 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

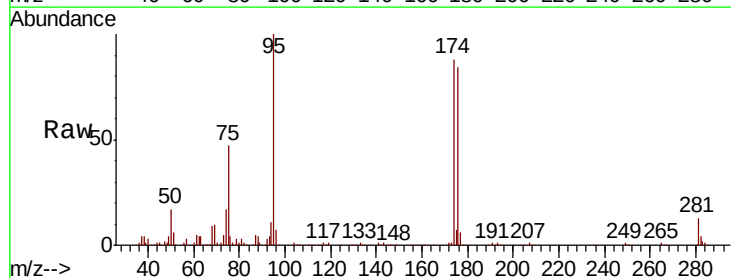
Tgt Ion: 95 Resp: 253178

Ion Ratio Lower Upper

95 100

174 89.2 0.0 176.8

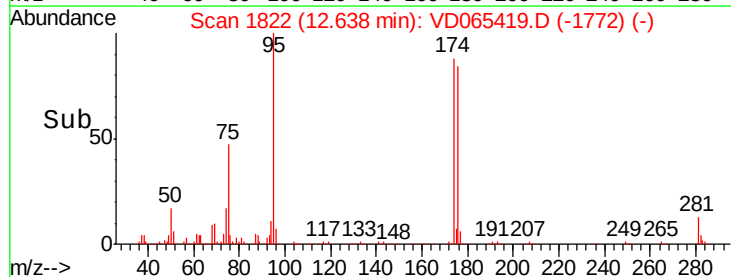
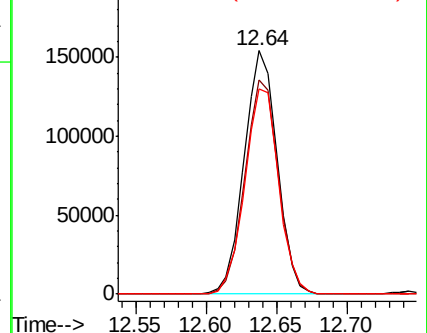
176 86.7 0.0 171.4

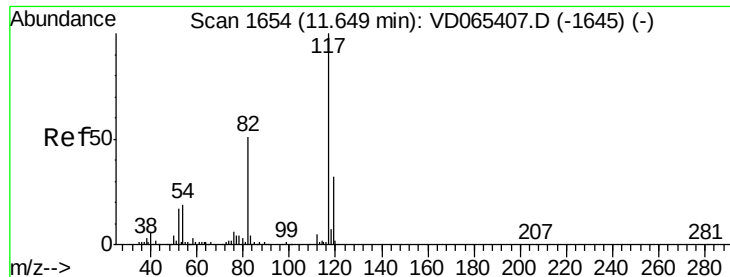


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

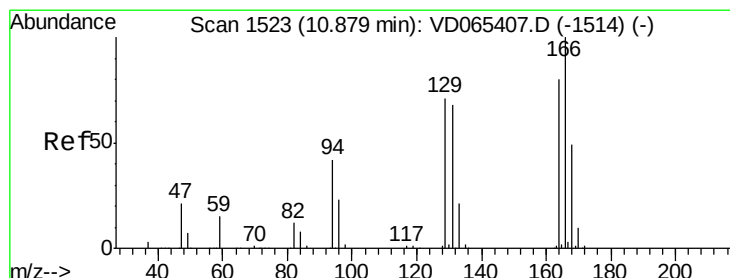
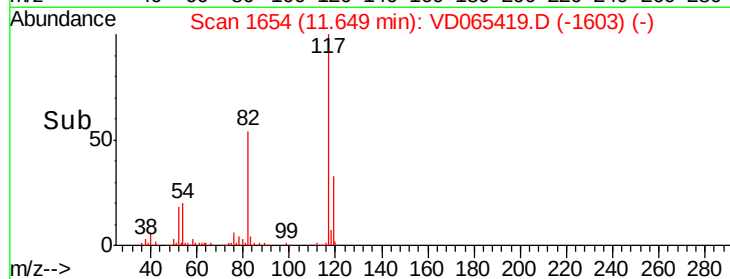
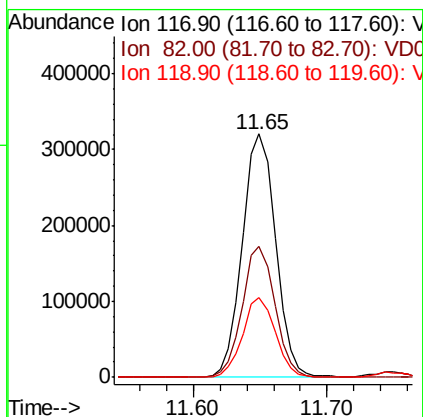
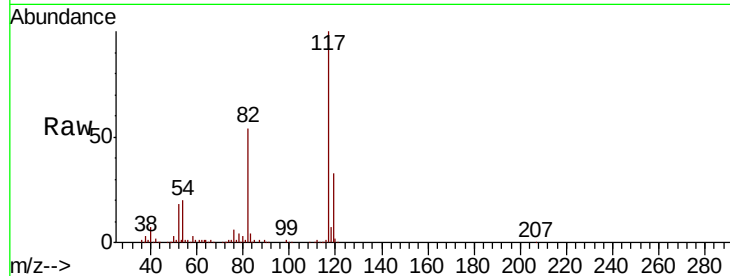




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

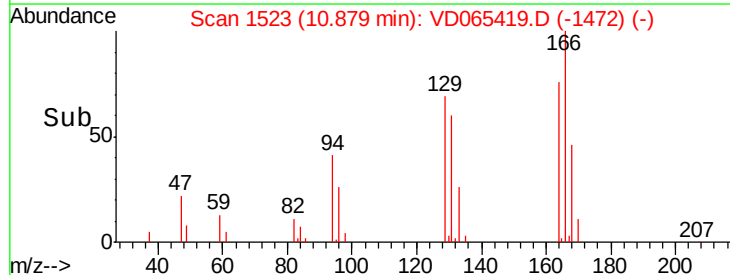
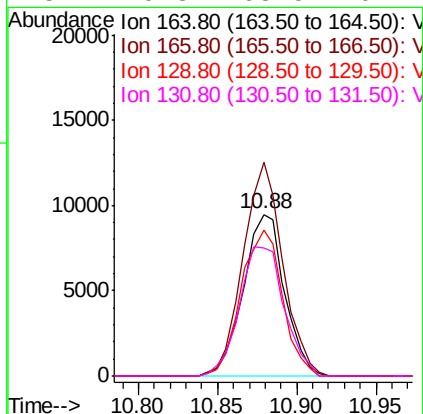
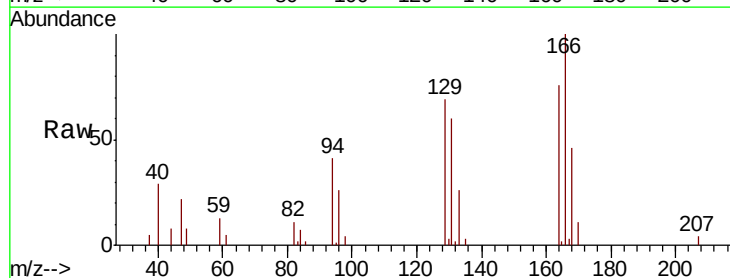
Instrument :
MSVOA_D
ClientSampleId :

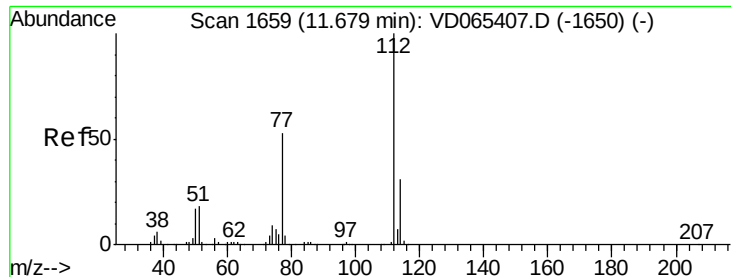
Tot Ion:117 Resp: 553850
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 32.8 25.4 38.2



#64
Tetrachloroethene
Concen: 4.328 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:164 Resp: 17175
Ion Ratio Lower Upper
164 100
166 132.4 100.5 150.7
129 90.9 71.5 107.3
131 79.3 68.5 102.7

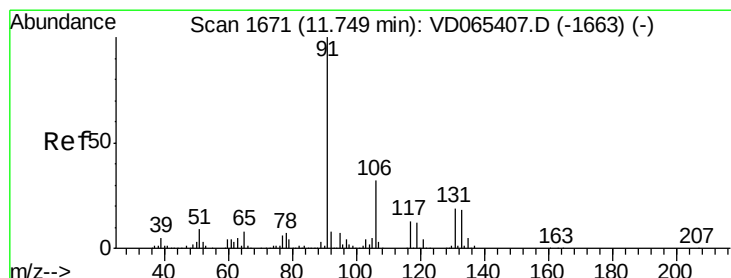
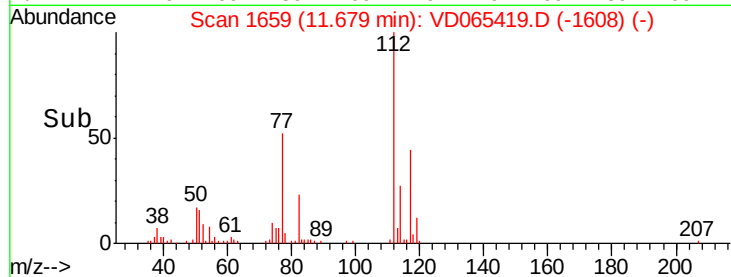
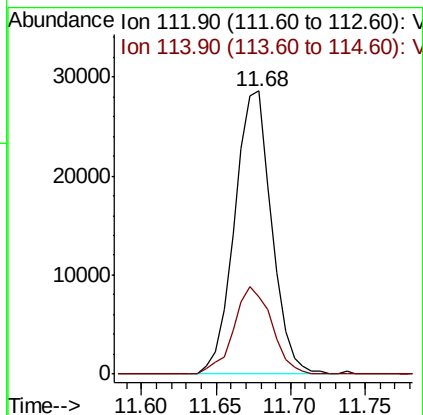
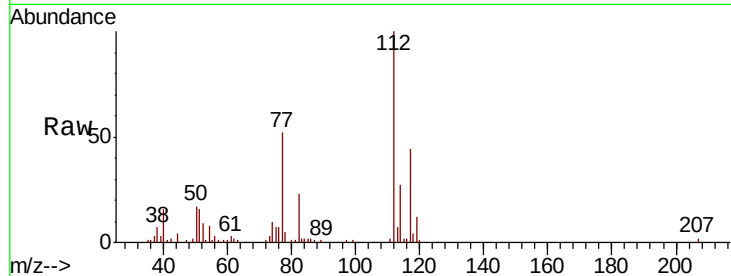




#65
Chlorobenzene
Concen: 4.493 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

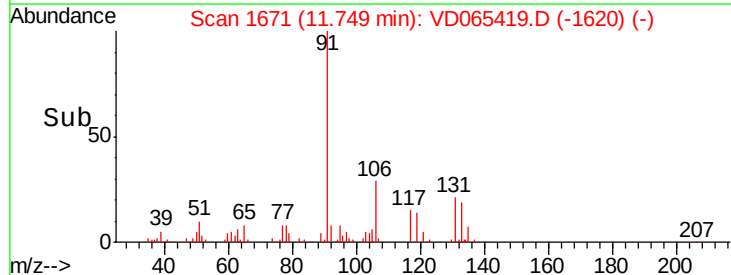
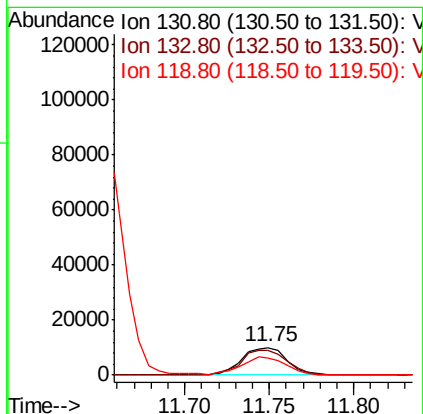
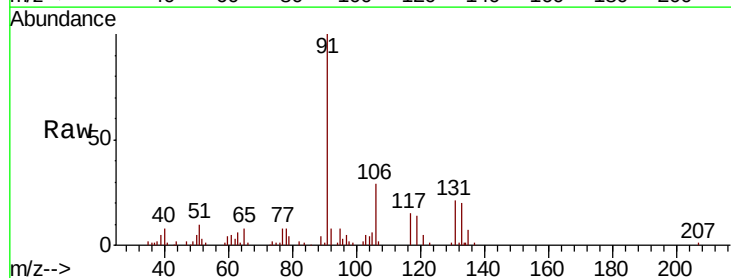
Instrument :
MSVOA_D
ClientSampleId :

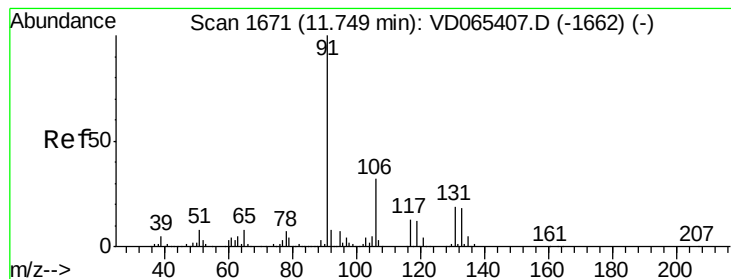
Tot Ion:112 Resp: 49247
Ion Ratio Lower Upper
112 100
114 27.2 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:131 Resp: 18476
Ion Ratio Lower Upper
131 100
133 94.2 49.2 147.6
119 64.8 33.3 99.8





#67

Ethyl Benzene

Concen: 4.001 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

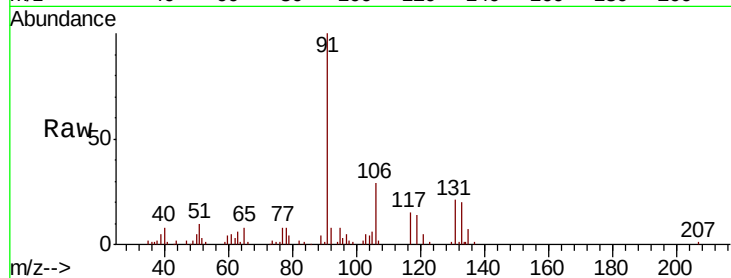
ClientSampleId :

Tot Ion: 91 Resp: 75762

Ion Ratio Lower Upper

91 100

106 29.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

60000

50000

40000

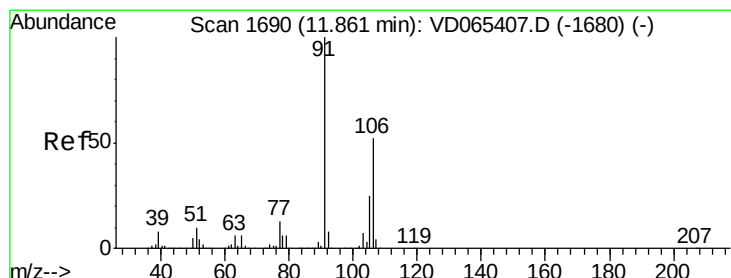
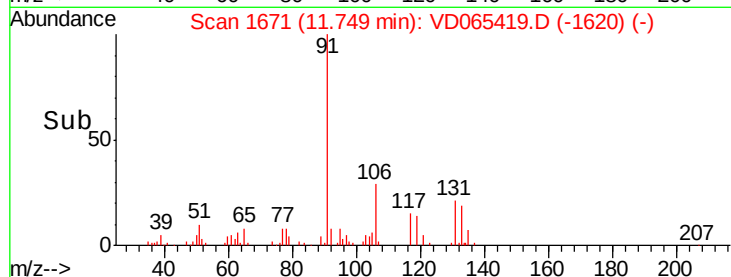
30000

20000

10000

0

Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 7.504 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065419.D

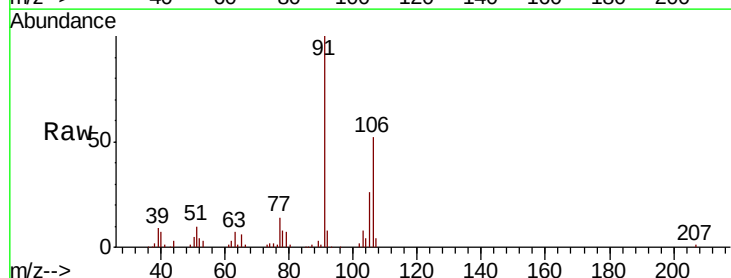
Acq: 04 Mar 2020 19:10

Tgt Ion: 106 Resp: 54797

Ion Ratio Lower Upper

106 100

91 198.8 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

60000

50000

40000

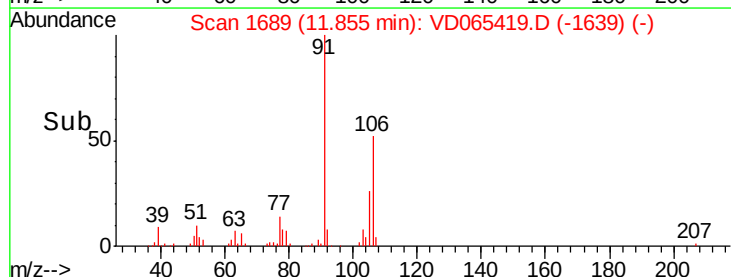
30000

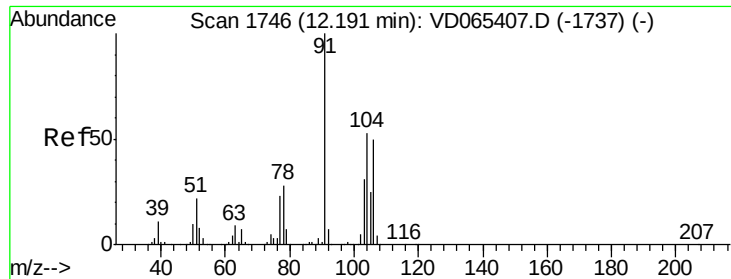
20000

10000

0

Time--> 11.80 11.85 11.90

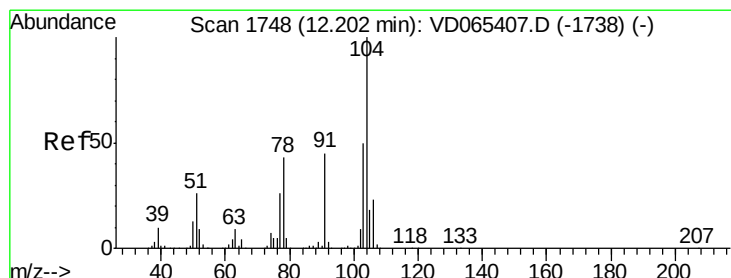
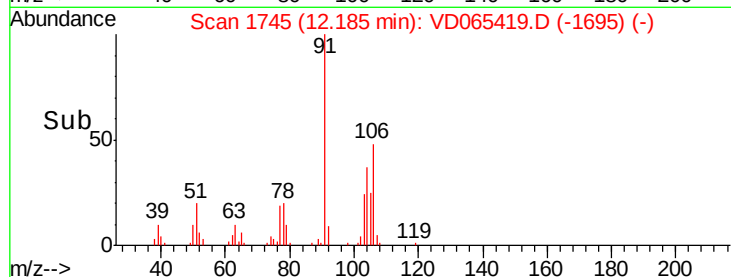
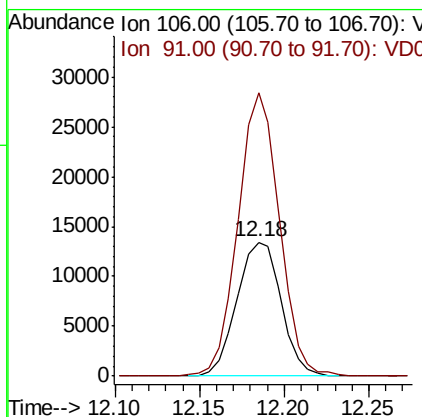
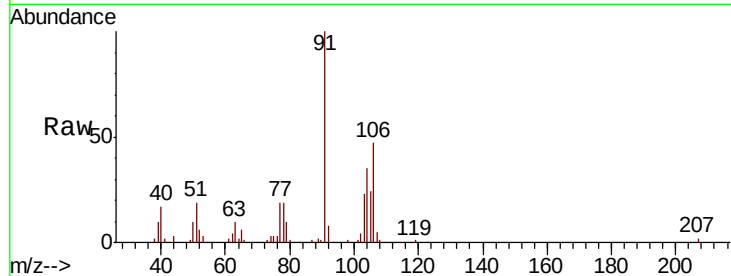




#69
o-Xylene
Concen: 3.790 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

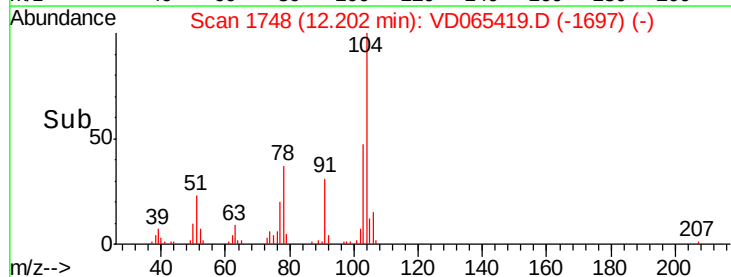
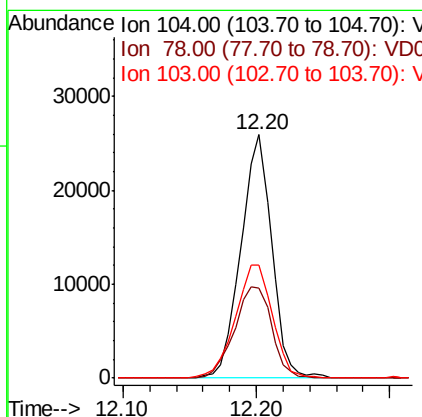
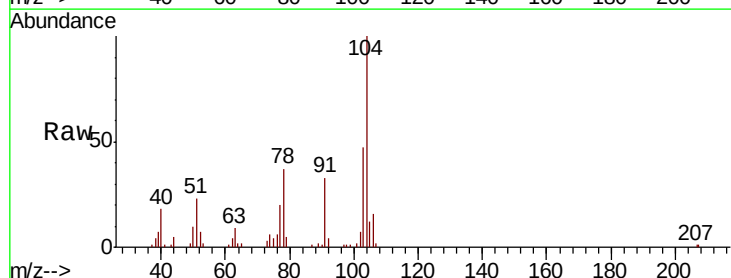
Instrument :
MSVOA_D
ClientSampleId :

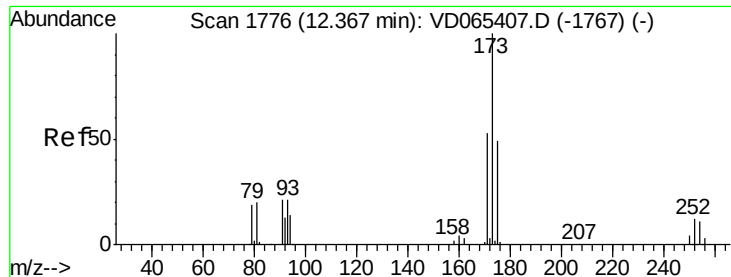
Tot Ion:106 Resp: 24347
Ion Ratio Lower Upper
106 100
91 199.0 103.5 310.3



#70
Styrene
Concen: 3.660 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:104 Resp: 41373
Ion Ratio Lower Upper
104 100
78 45.3 37.7 56.5
103 56.3 43.6 65.4

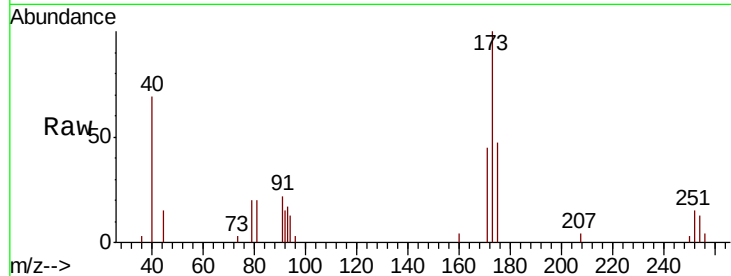




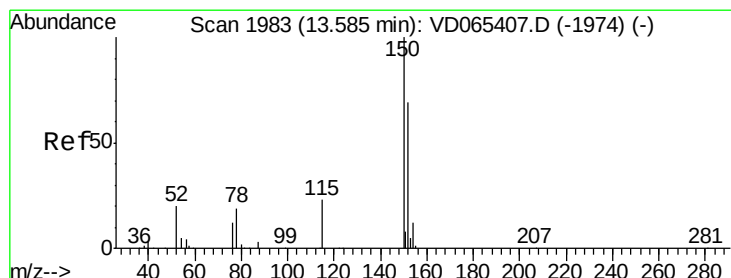
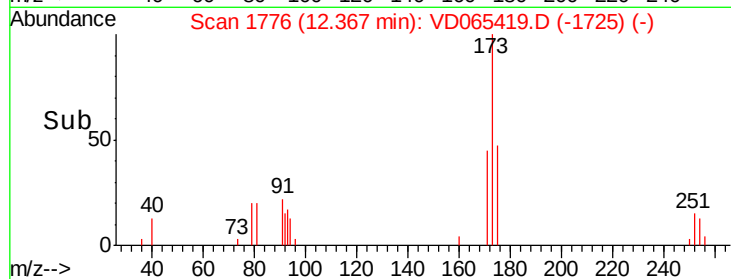
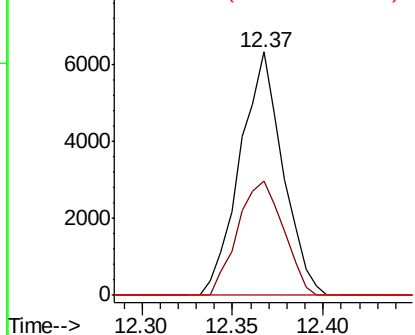
#71
Bromoform
Concen: 4.643 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 10410
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 0.0 0.1 0.1#

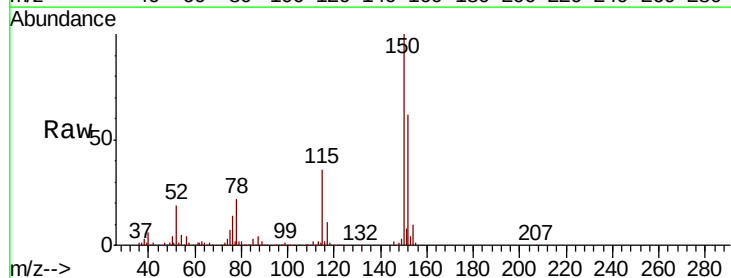


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

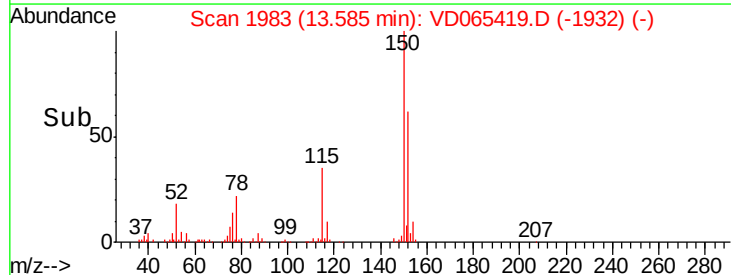
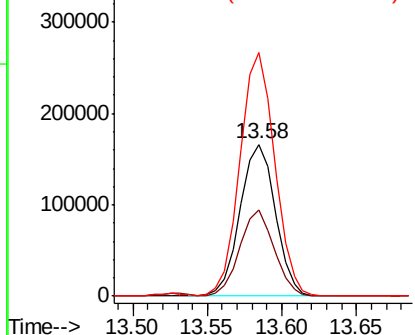


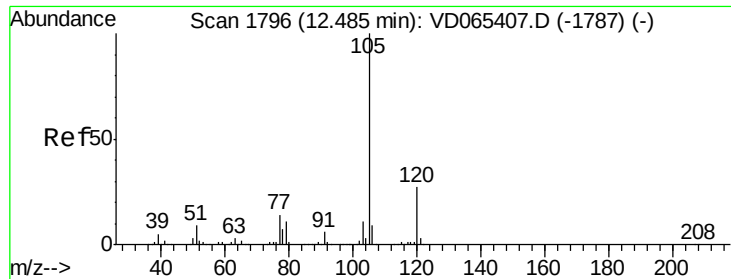
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:152 Resp: 273554
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 158.1 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.598 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

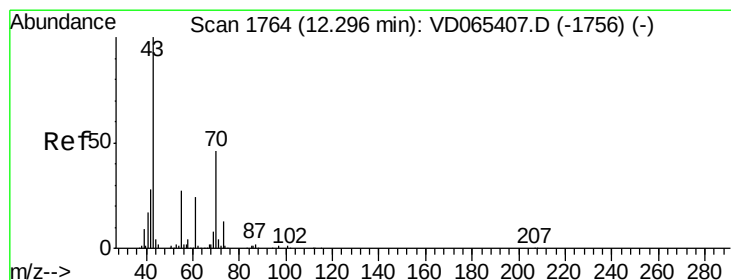
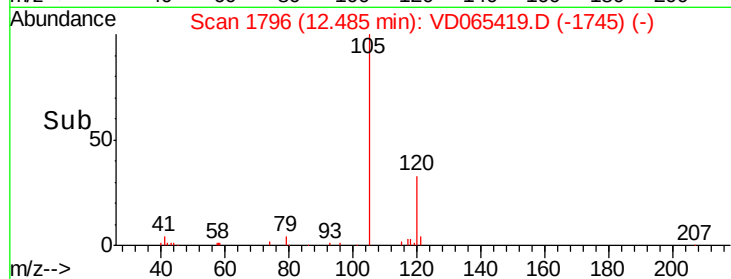
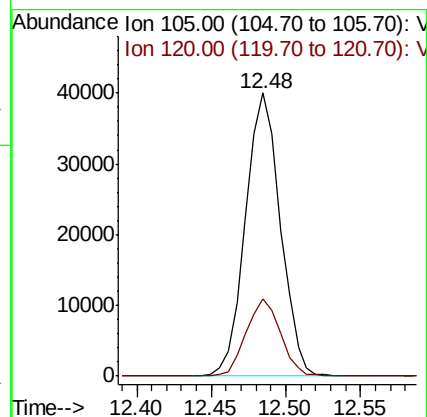
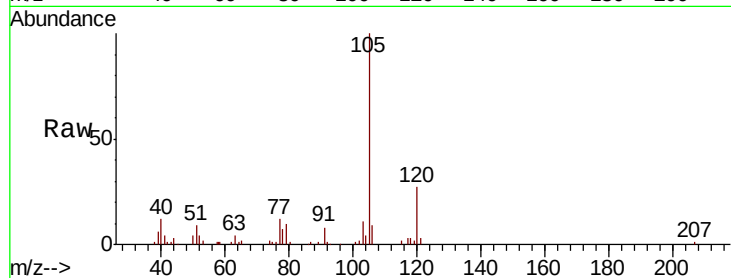
ClientSampleId :

Tot Ion:105 Resp: 64738

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 3.835 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Tgt Ion: 43 Resp: 14127

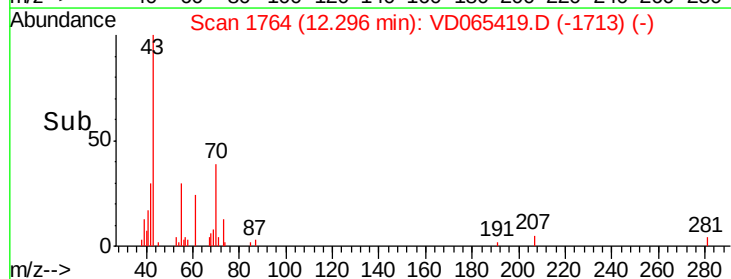
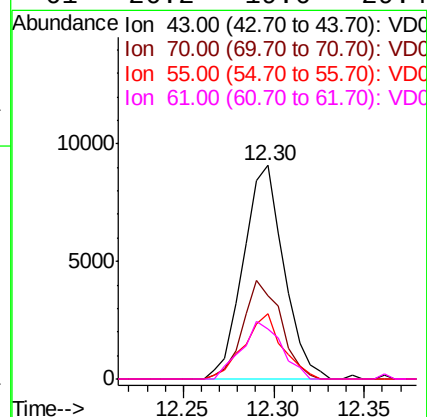
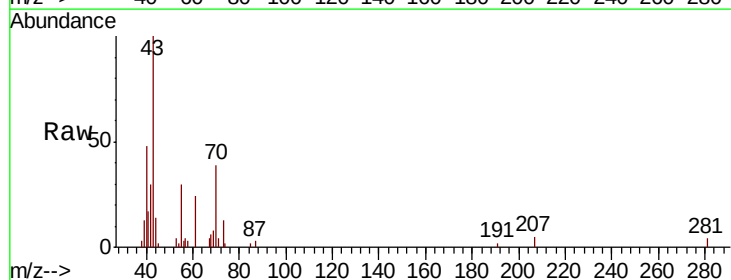
Ion Ratio Lower Upper

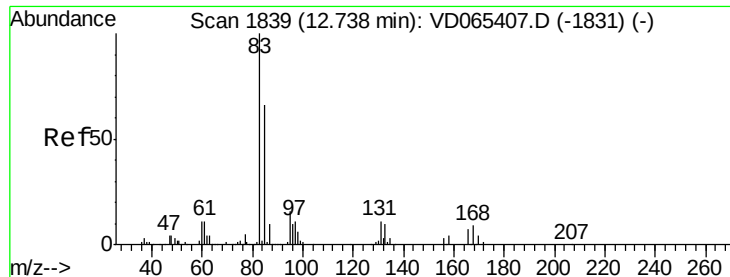
43 100

70 43.5 36.1 54.1

55 28.9 21.6 32.4

61 26.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.912 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

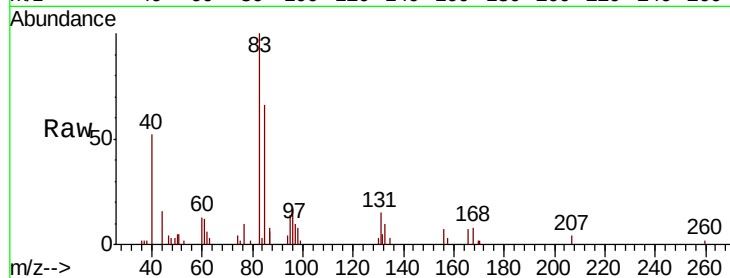
Tot Ion: 83 Resp: 15534

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

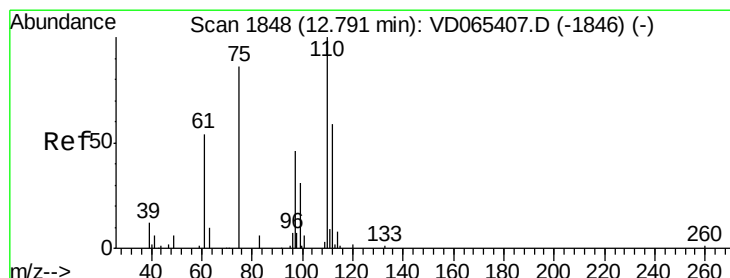
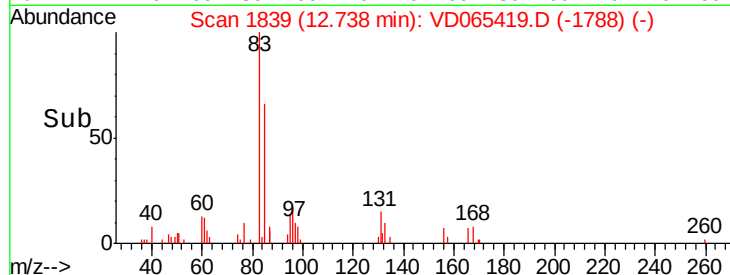
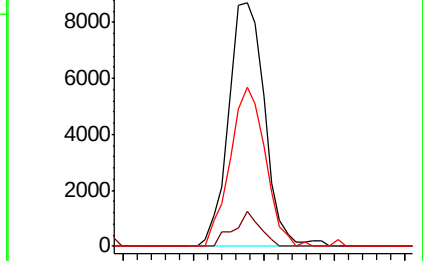
85 63.7 33.0 98.9



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: 9.225 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065419.D

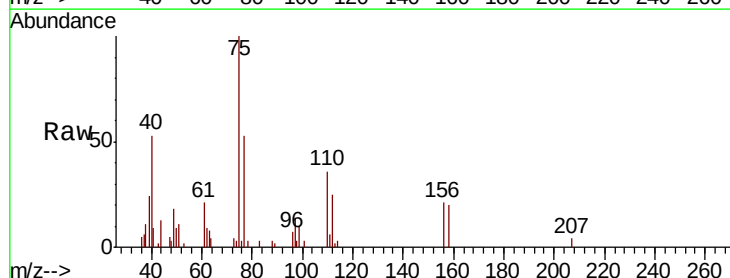
Acq: 04 Mar 2020 19:10

Tgt Ion: 75 Resp: 19912

Ion Ratio Lower Upper

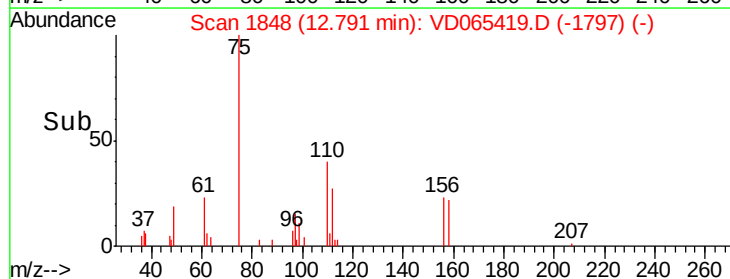
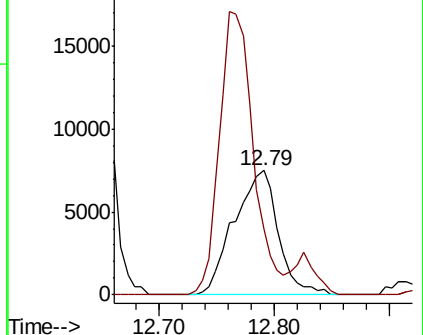
75 100

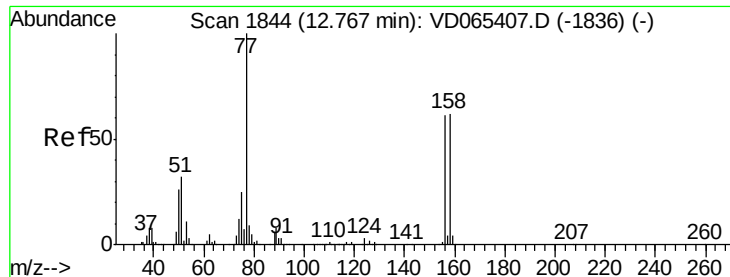
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.507 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

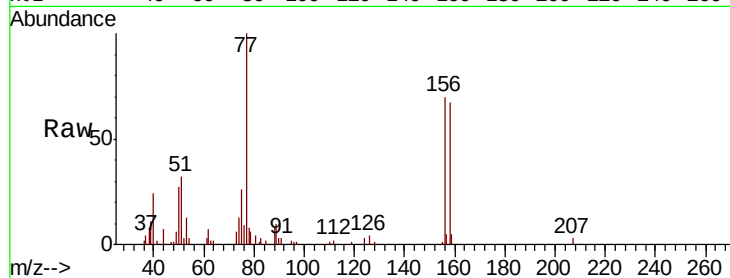
Tot Ion:156 Resp: 20150

Ion Ratio Lower Upper

156 100

77 172.7 84.9 254.6

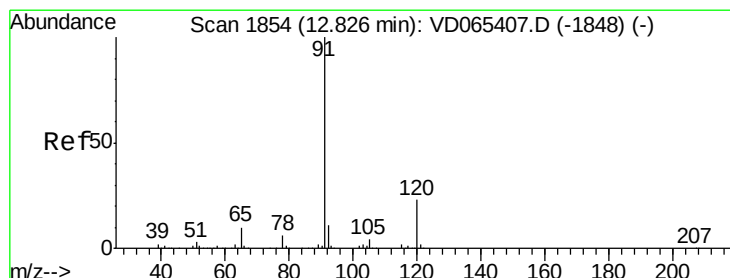
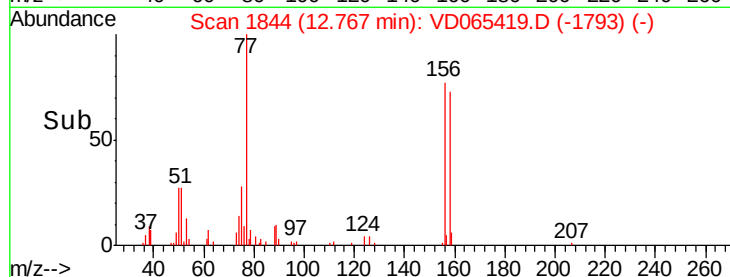
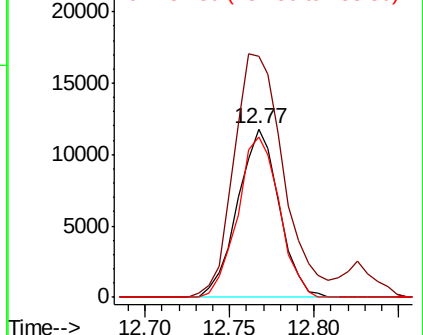
158 95.2 49.0 147.2



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: 3.883 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065419.D

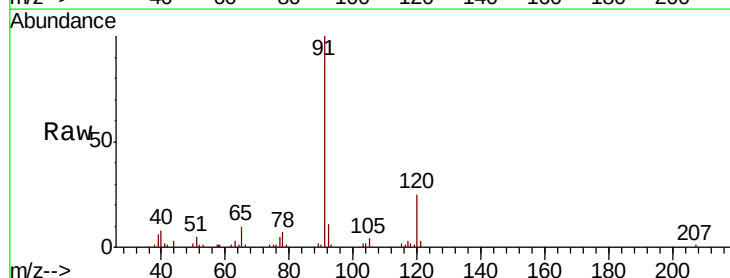
Acq: 04 Mar 2020 19:10

Tgt Ion: 91 Resp: 82894

Ion Ratio Lower Upper

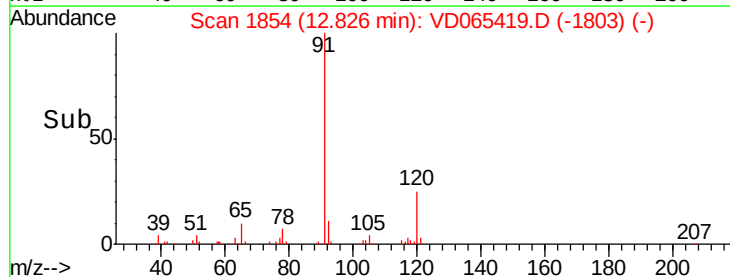
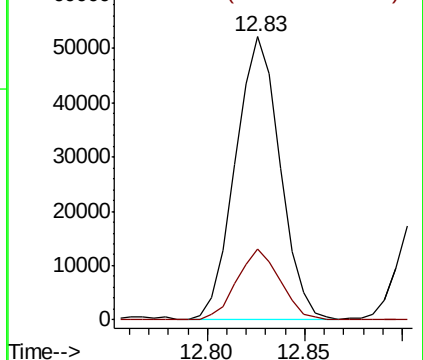
91 100

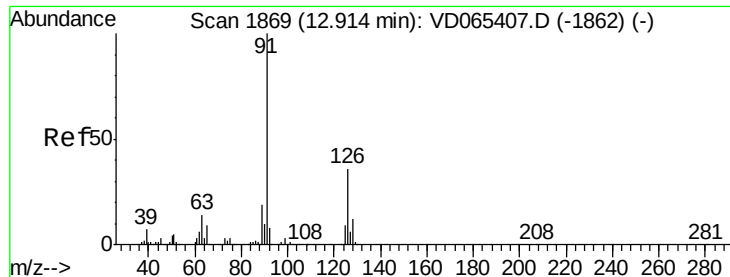
120 24.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

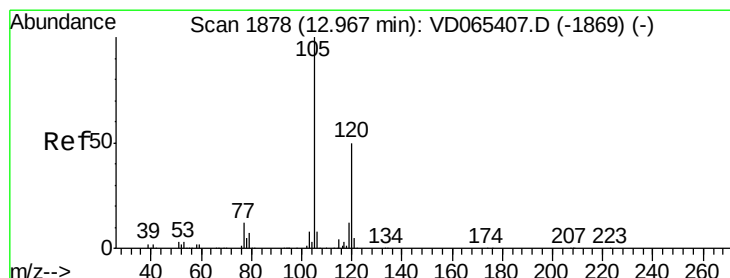
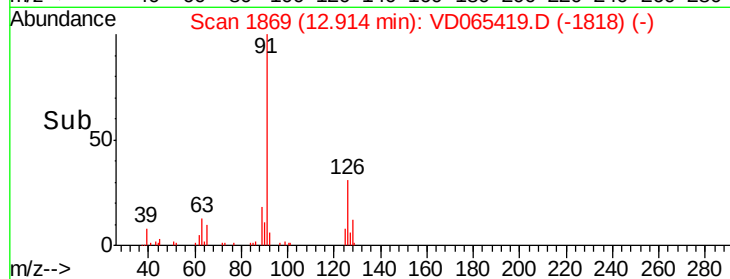
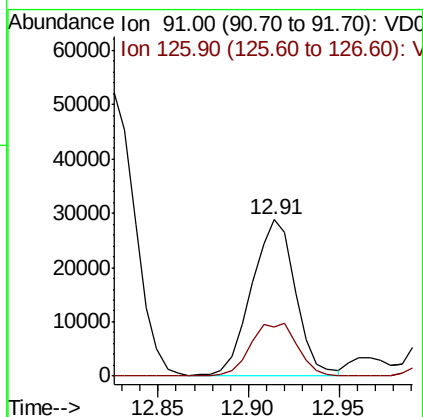
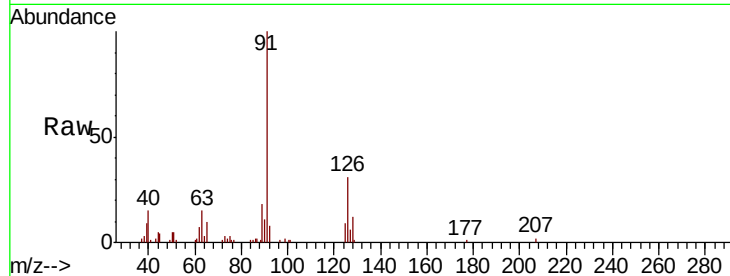




#79
 2-Chlorotoluene
 Concen: 4.053 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

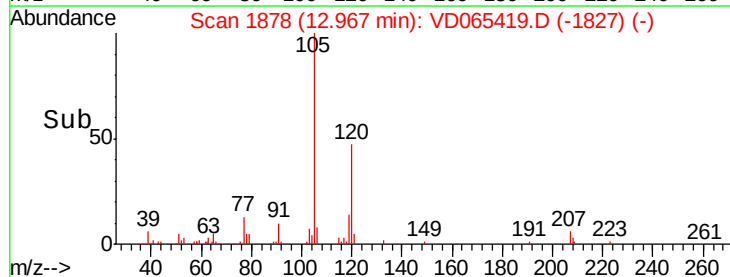
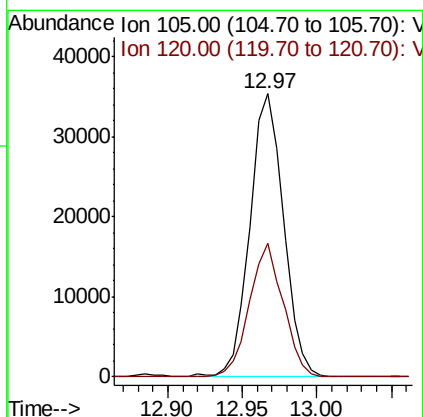
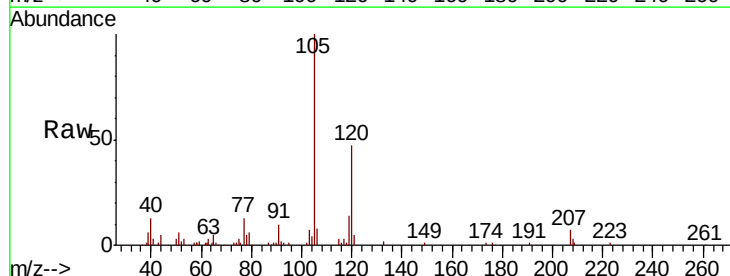
Instrument :
 MSVOA_D
 ClientSampled :

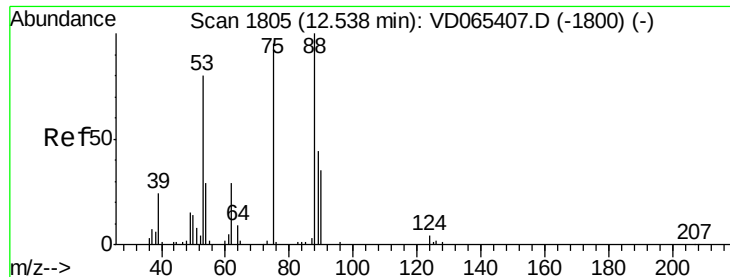
Tot Ion: 91 Resp: 48767
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 3.727 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion: 105 Resp: 55128
 Ion Ratio Lower Upper
 105 100
 120 47.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.165 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

ClientSampleId :

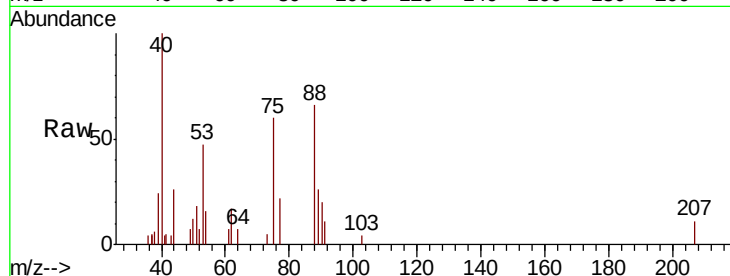
Tot Ion: 75 Resp: 4260

Ion Ratio Lower Upper

75 100

53 91.9 71.3 106.9

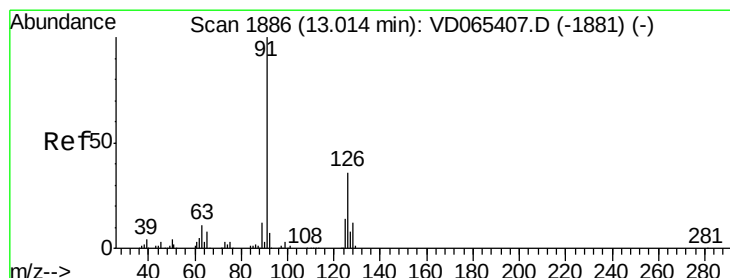
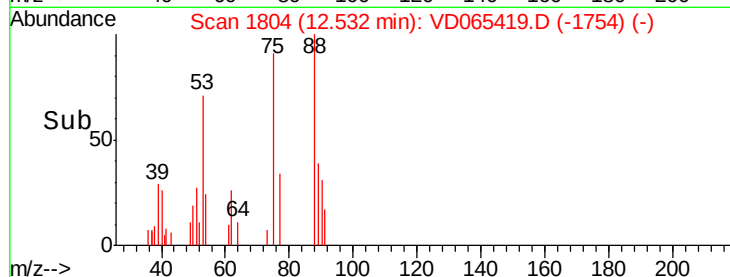
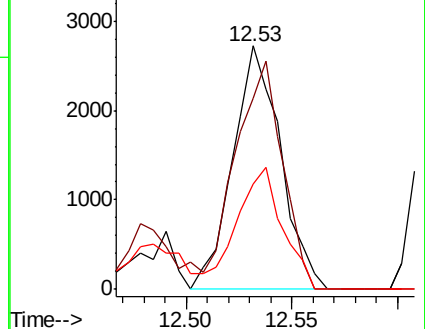
89 47.8 37.0 55.6



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: 4.169 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065419.D

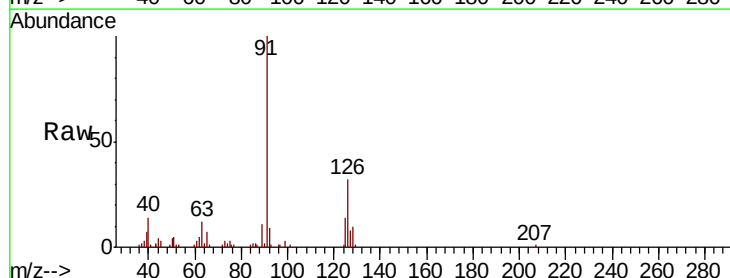
Acq: 04 Mar 2020 19:10

Tgt Ion: 91 Resp: 52706

Ion Ratio Lower Upper

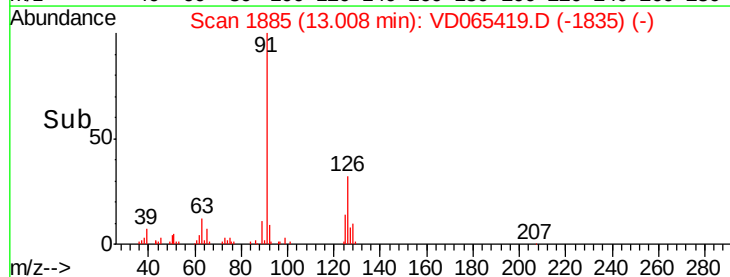
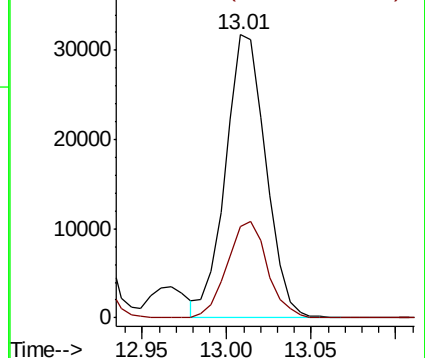
91 100

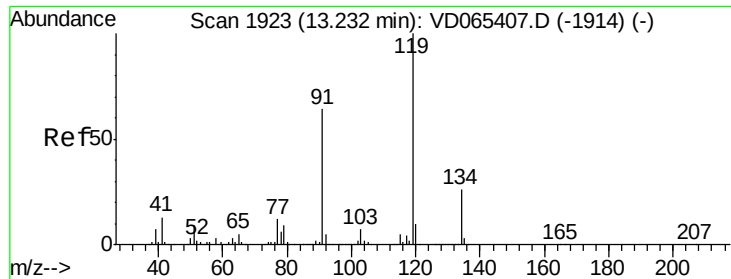
126 33.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

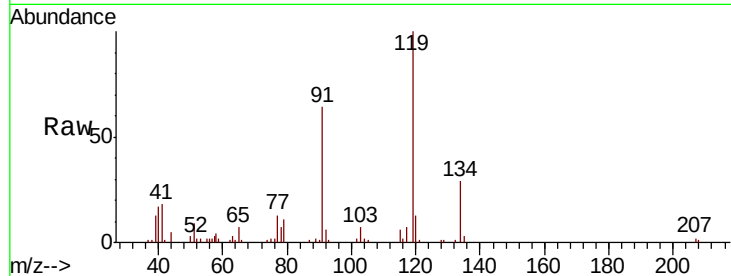




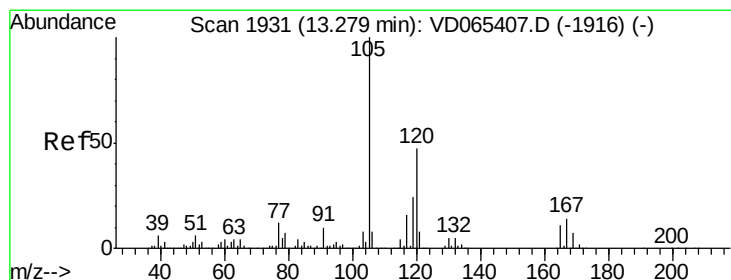
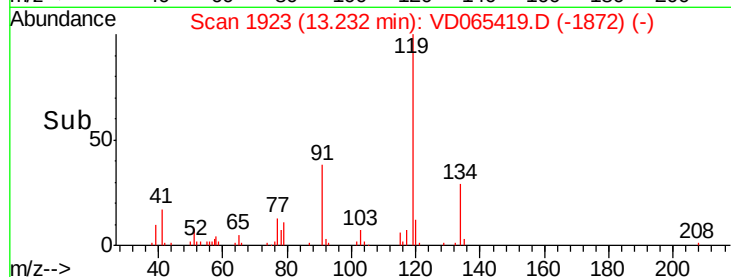
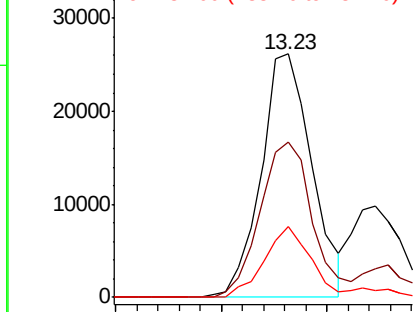
#83
tert-Butylbenzene
Concen: 3.512 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 43945
Ion Ratio Lower Upper
119 100
91 65.6 31.6 95.0
134 26.7 14.2 42.8

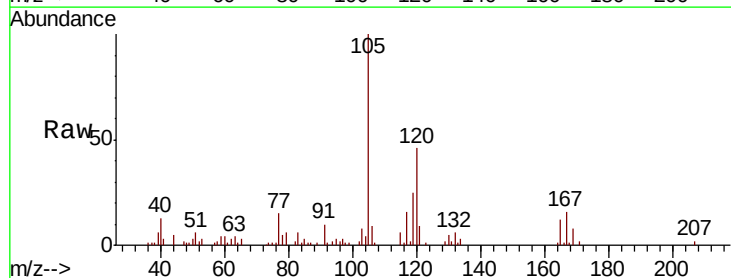


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

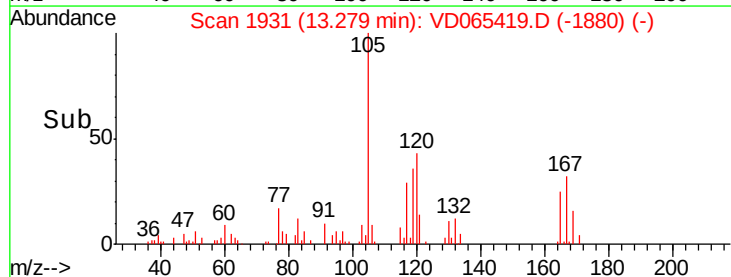
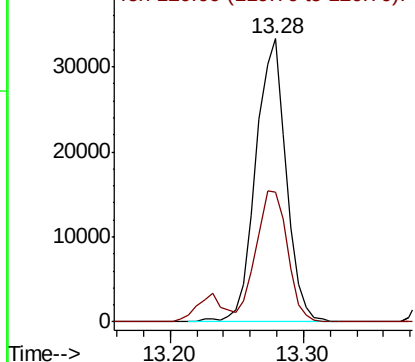


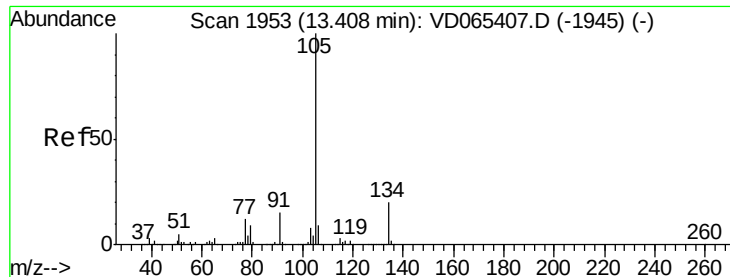
#84
1,2,4-Trimethylbenzene
Concen: 3.565 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:105 Resp: 51974
Ion Ratio Lower Upper
105 100
120 47.9 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 3.489 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

Instrument :

MSVOA_D

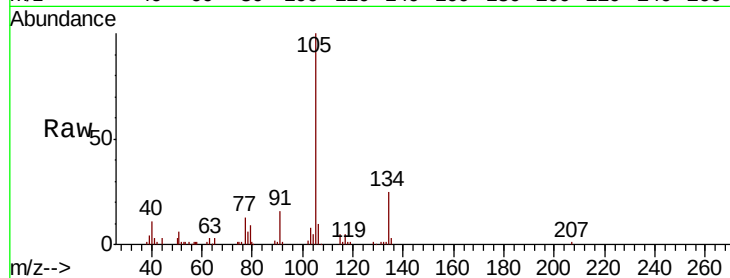
ClientSampleId :

Tot Ion:105 Resp: 62326

Ion Ratio Lower Upper

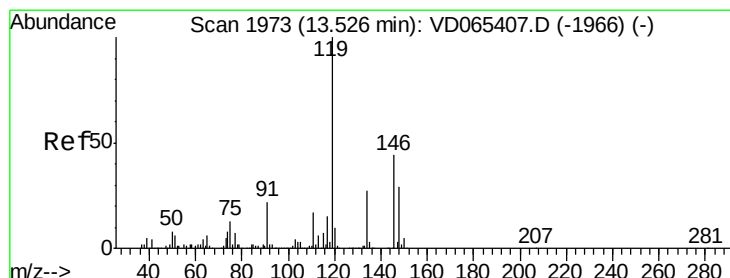
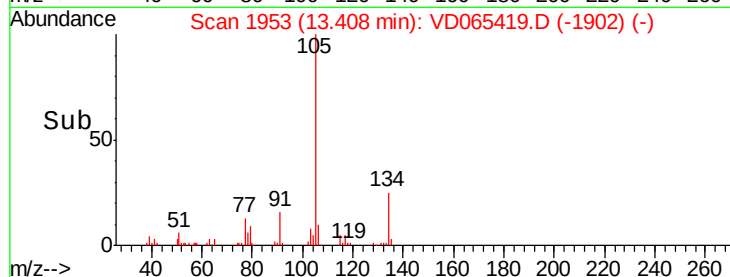
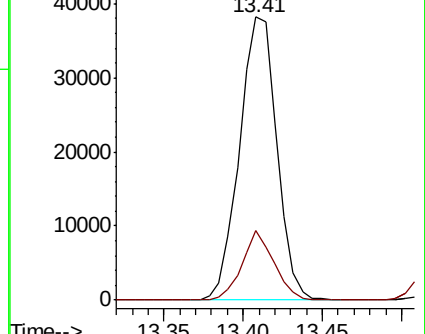
105 100

134 21.1 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.375 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065419.D

Acq: 04 Mar 2020 19:10

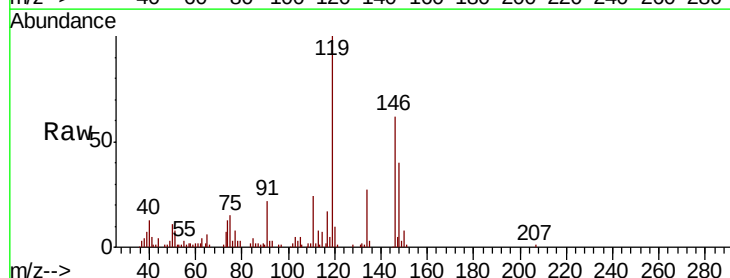
Tgt Ion:119 Resp: 55010

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

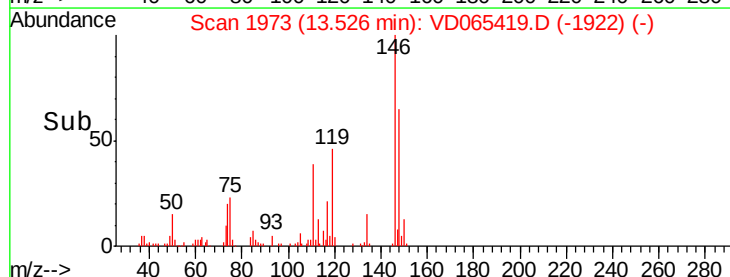
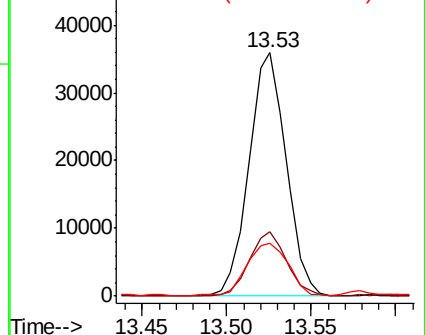
91 24.1 10.9 32.6

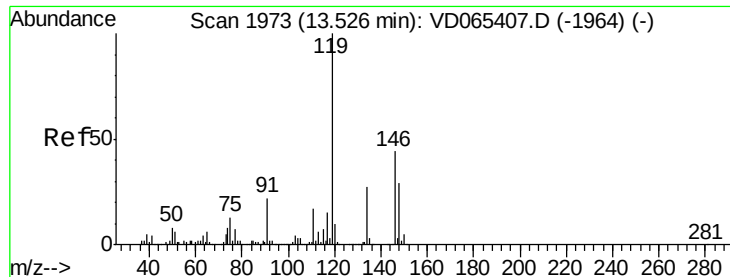


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

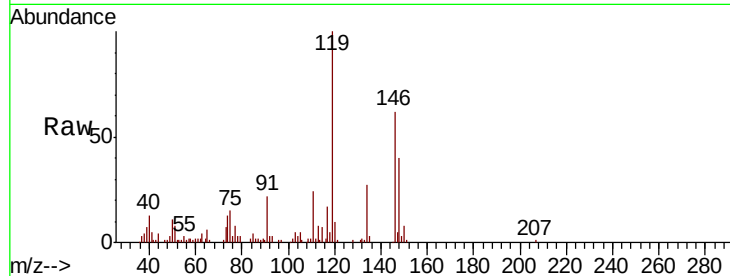




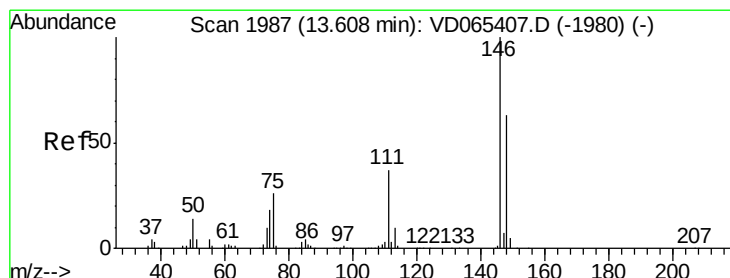
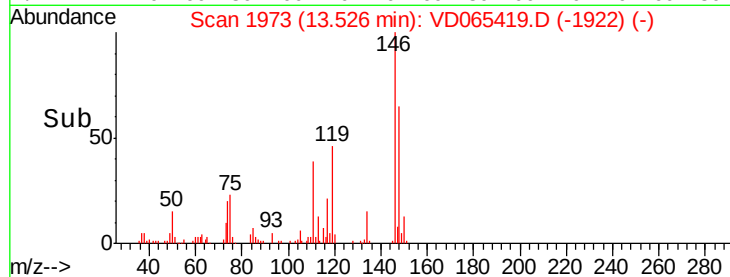
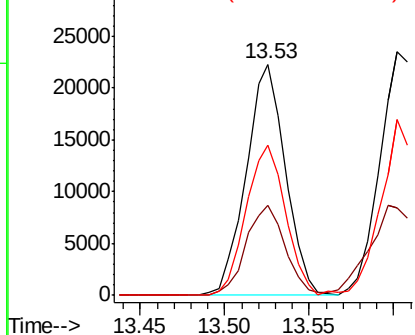
#87
 1,3-Dichlorobenzene
 Concen: 4.190 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	65.9	32.3	96.8

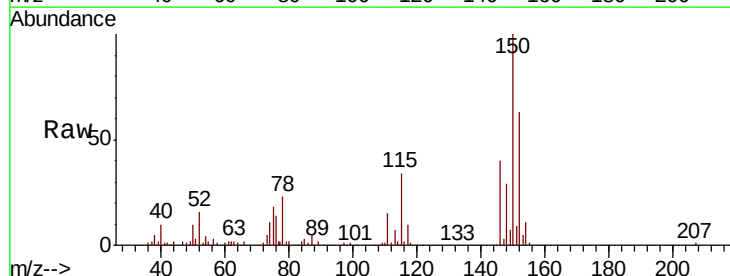


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

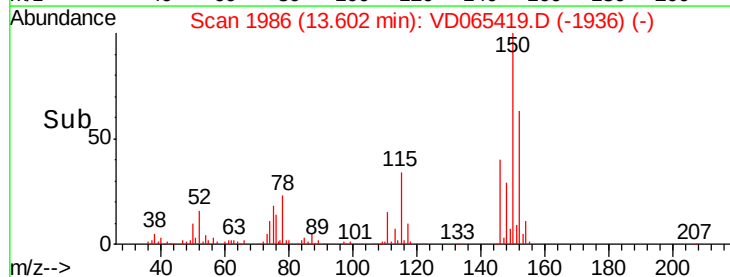
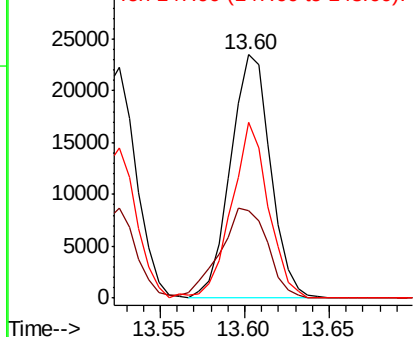


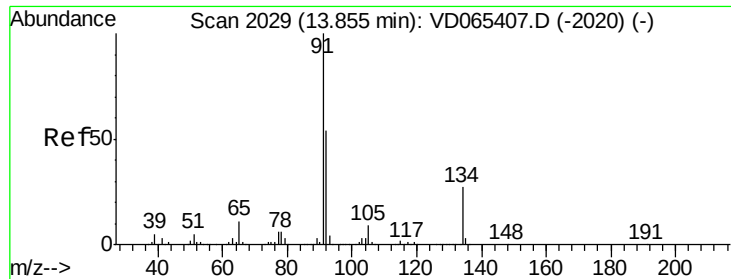
#88
 1,4-Dichlorobenzene
 Concen: 4.540 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.5	55.5
148	65.8	32.0	96.0



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

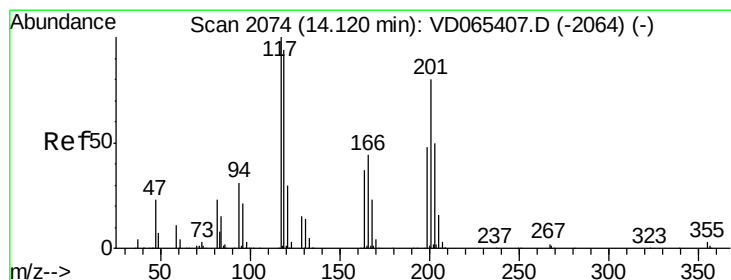
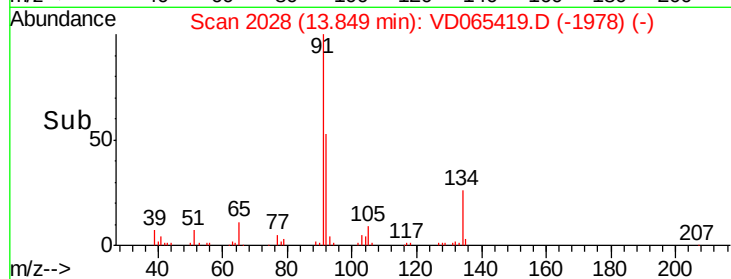
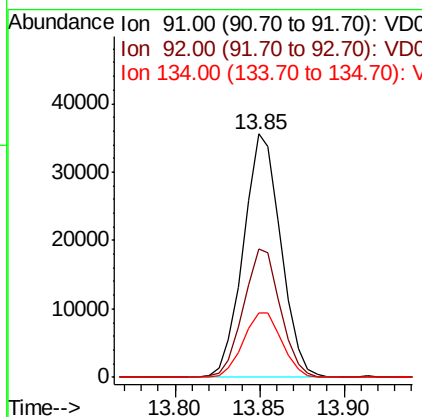
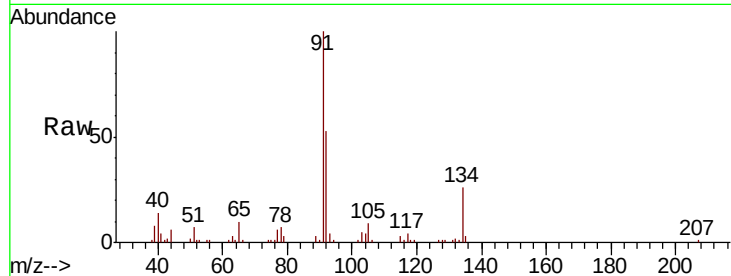




#89
n-Butylbenzene
Concen: 3.640 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

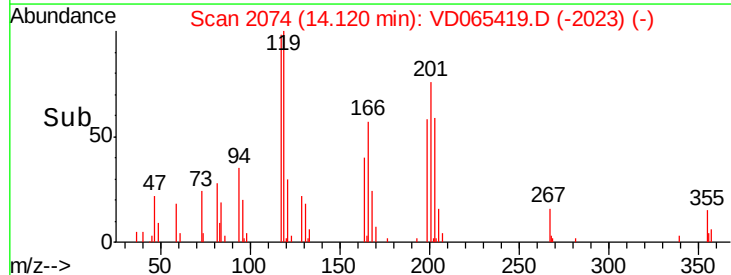
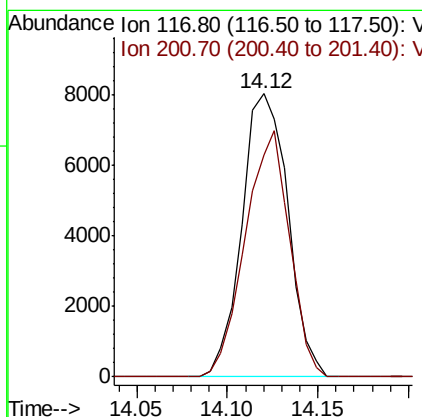
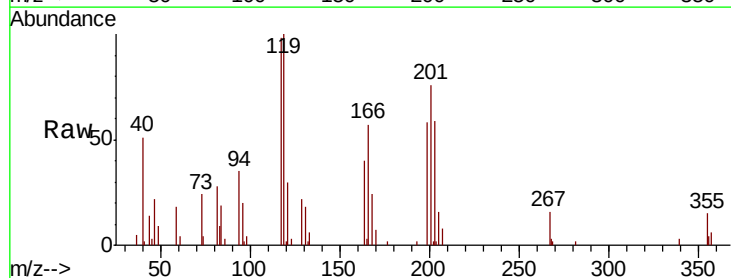
Instrument :
MSVOA_D
ClientSampleId :

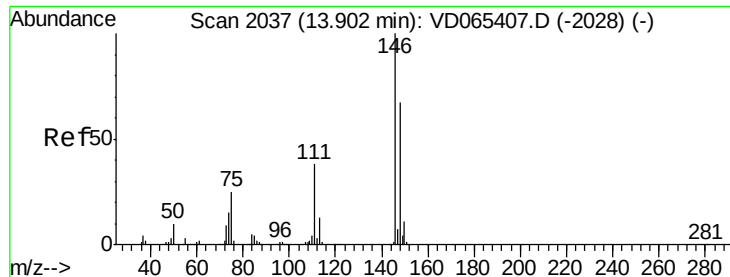
Tot Ion: 91 Resp: 54859
Ion Ratio Lower Upper
91 100
92 51.9 26.8 80.4
134 27.1 13.4 40.2



#90
Hexachloroethane
Concen: 4.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion: 117 Resp: 14141
Ion Ratio Lower Upper
117 100
201 83.6 41.9 125.6

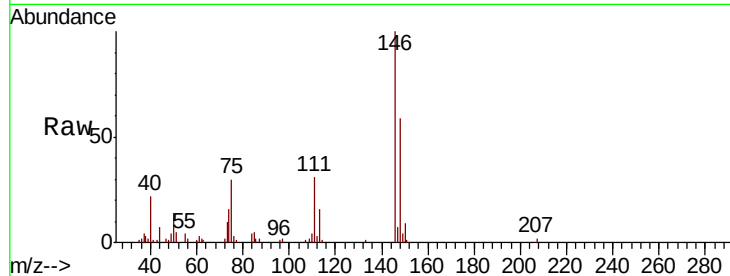




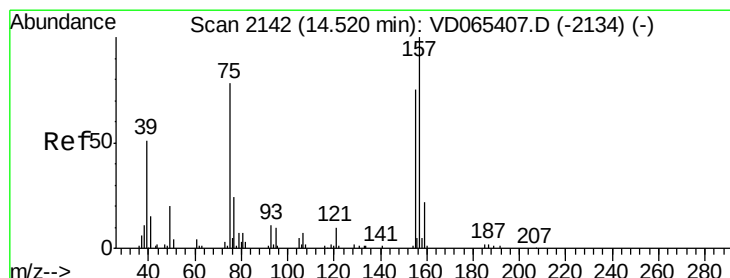
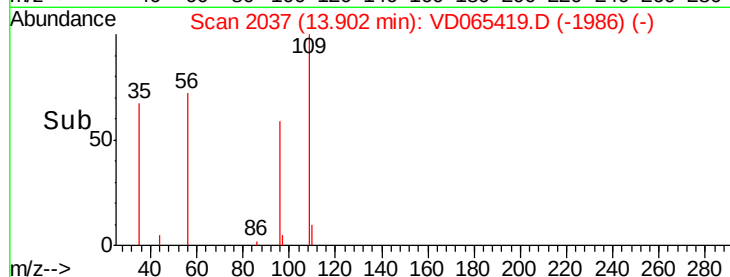
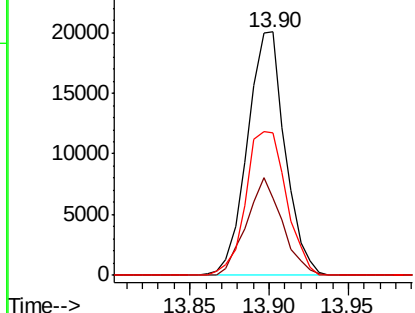
#91
 1,2-Dichlorobenzene
 Concen: 4.545 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.8	59.3
148	63.6	32.6	97.8

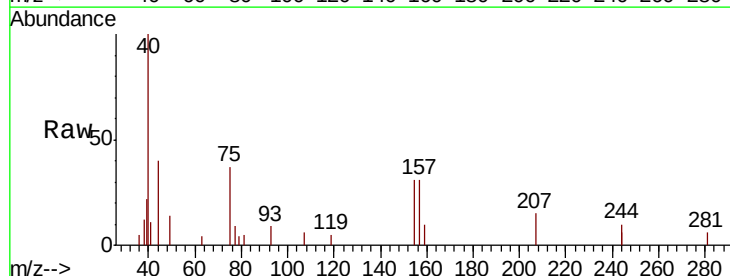


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

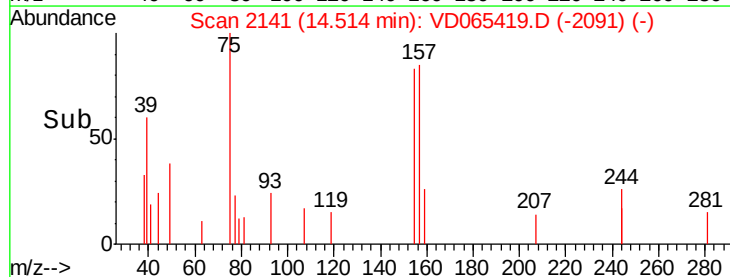
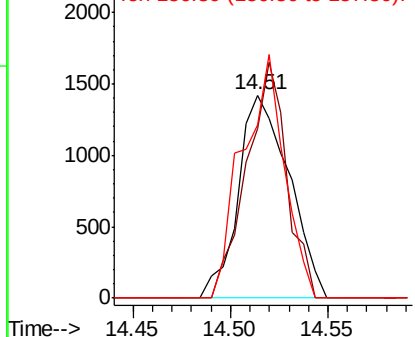


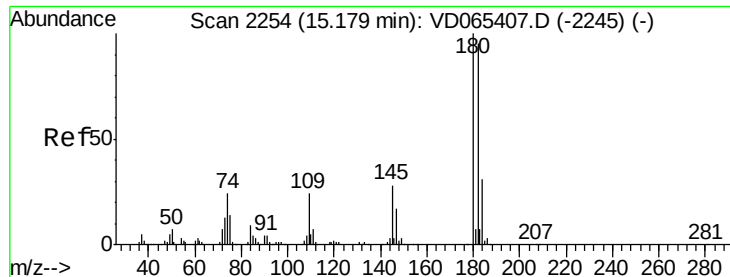
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.323 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	46.4	139.1
157	98.3	60.2	180.4



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

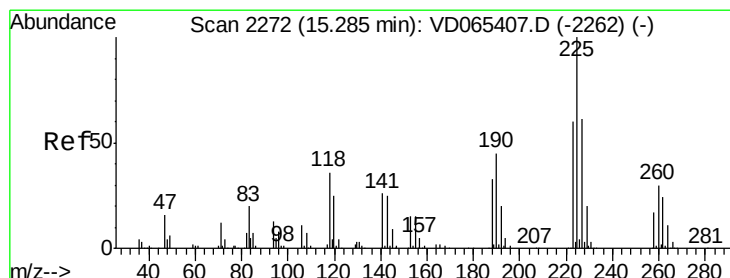
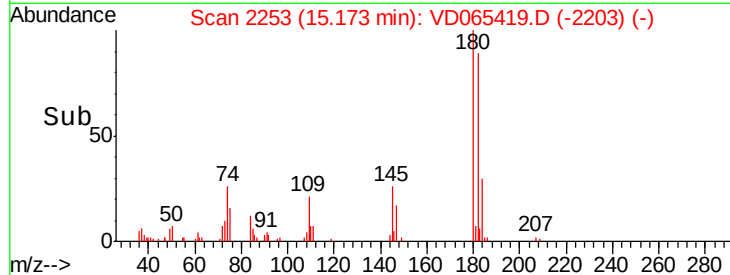
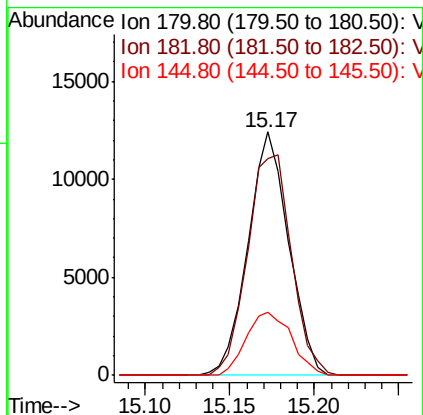
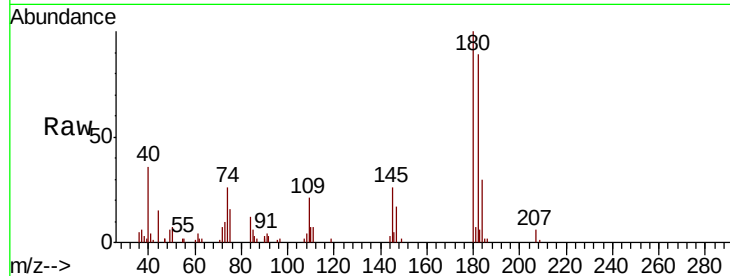




#93
 1,2,4-Trichlorobenzene
 Concen: 4.214 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

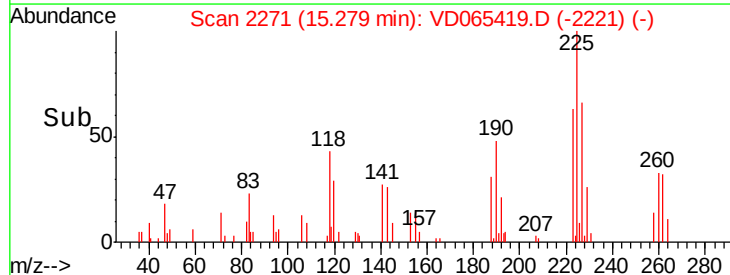
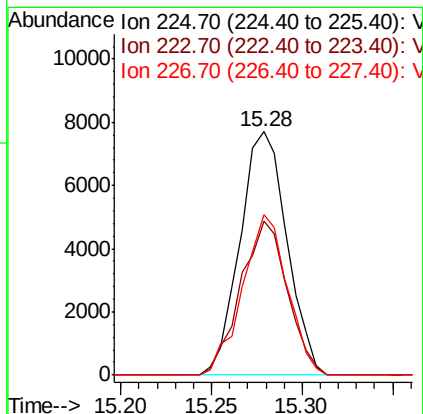
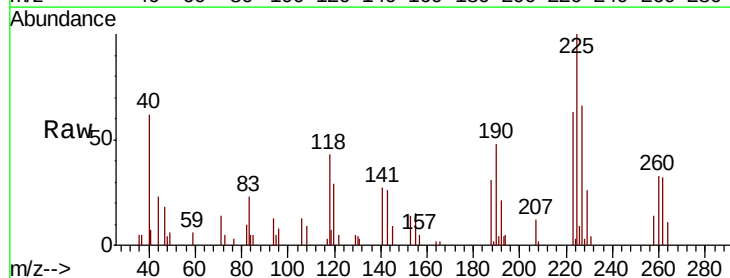
Instrument :
 MSVOA_D
 ClientSampleId :

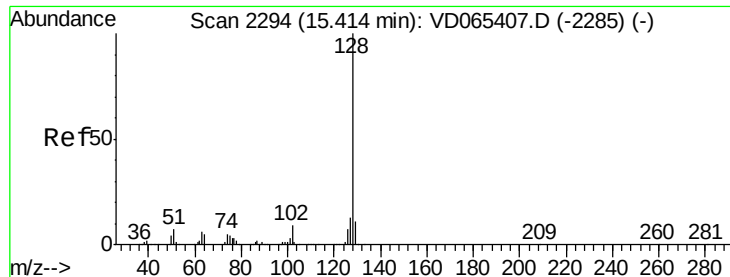
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.3	144.9
145	28.6	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 4.262 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065419.D
 Acq: 04 Mar 2020 19:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.5
227	62.6	31.6	94.7

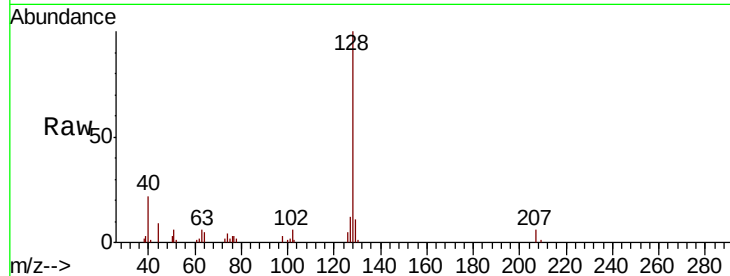




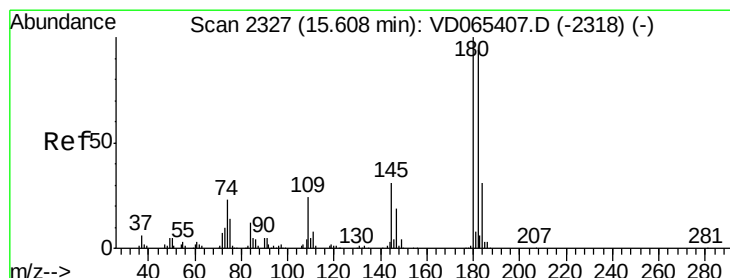
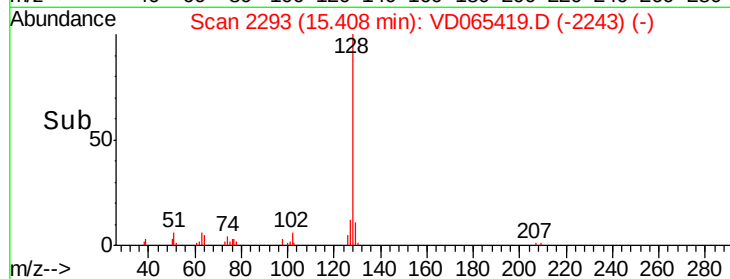
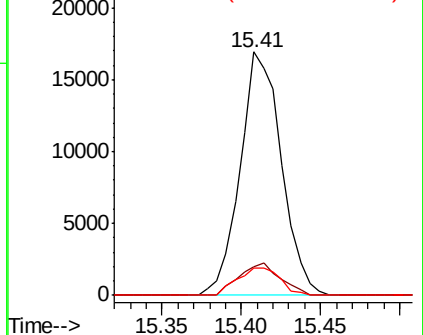
#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 30597
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.7 8.7 13.1

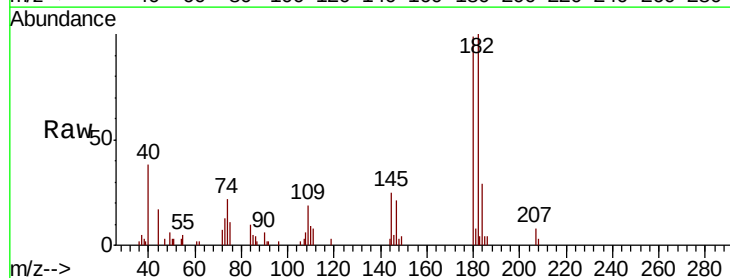


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.166 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065419.D
Acq: 04 Mar 2020 19:10

Tgt Ion:180 Resp: 17847
Ion Ratio Lower Upper
180 100
182 101.2 46.9 140.6
145 32.7 15.0 45.1



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

