

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065523.D
 Acq On : 24 Mar 2020 17:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 25 02:14:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	621378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	567693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196946	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.92	113	214754	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
50) Toluene-d8	10.34	98	795547	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	12.64	95	261823	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	163499	43.521	ug/l 96
3) Chloromethane	2.21	50	200532	44.212	ug/l 100
4) Vinyl Chloride	2.35	62	218197	48.773	ug/l 97
5) Bromomethane	2.77	94	142339	57.499	ug/l 99
6) Chloroethane	2.93	64	141680	51.709	ug/l 100
7) Trichlorofluoromethane	3.27	101	336643	51.069	ug/l 97
8) Diethyl Ether	3.70	74	106316	54.233	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224182	52.804	ug/l 99
10) Methyl Iodide	4.30	142	261468	59.280	ug/l 96
11) Tert butyl alcohol	5.24	59	52639	244.741	ug/l # 95
12) 1,1-Dichloroethene	4.06	96	206759	50.859	ug/l 98
13) Acrolein	3.92	56	100246	270.254	ug/l 100
14) Allyl chloride	4.71	41	323571	51.812	ug/l 99
15) Acrylonitrile	5.43	53	240399	281.884	ug/l 99
16) Acetone	4.16	43	211352	278.704	ug/l 96
17) Carbon Disulfide	4.40	76	613772	45.336	ug/l 99
18) Methyl Acetate	4.72	43	105473	54.830	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	452806	57.919	ug/l 100
20) Methylene Chloride	4.96	84	234352	57.420	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	237244	52.460	ug/l 97
22) Diisopropyl ether	6.37	45	665974	57.366	ug/l 98
23) Vinyl Acetate	6.31	43	1893888	293.806	ug/l 100
24) 1,1-Dichloroethane	6.27	63	400231	53.748	ug/l 98
25) 2-Butanone	7.22	43	283969	274.401	ug/l 98
26) 2,2-Dichloropropane	7.21	77	353719	54.358	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	259941	56.234	ug/l 97
28) Bromochloromethane	7.55	49	161701	54.277	ug/l 97
29) Tetrahydrofuran	7.57	42	186504	282.206	ug/l 98
30) Chloroform	7.71	83	417610	56.110	ug/l 99
31) Cyclohexane	7.98	56	360704	48.444	ug/l 96
32) 1,1,1-Trichloroethane	7.91	97	376003	54.667	ug/l 99
36) 1,1-Dichloropropene	8.11	75	319181	53.587	ug/l 98
37) Ethyl Acetate	7.30	43	131875	57.282	ug/l 99
38) Carbon Tetrachloride	8.10	117	343110	55.551	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	394107	54.783	ug/l	96
40) Benzene	8.36	78	929896	55.838	ug/l	99
41) Methacrylonitrile	7.53	41	76626	62.936	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	254464	58.515	ug/l	100
43) Isopropyl Acetate	8.46	43	241185	56.738	ug/l	98
44) Trichloroethene	9.11	130	264898	56.325	ug/l	97
45) 1,2-Dichloropropane	9.39	63	232164	57.551	ug/l	96
46) Dibromomethane	9.48	93	122751	58.663	ug/l	97
47) Bromodichloromethane	9.67	83	319643	58.718	ug/l	97
48) Methyl methacrylate	9.46	41	114031	57.028	ug/l	97
49) 1,4-Dioxane	9.47	88	28468	1189.393	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	643222	300.693	ug/l	99
52) Toluene	10.41	92	600887	57.275	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299747	58.922	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	364814	59.245	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	174780	58.975	ug/l	97
56) Ethyl methacrylate	10.67	69	209548	62.719	ug/l	98
57) 1,3-Dichloropropane	10.95	76	295418	58.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	261583	250.500	ug/l	98
59) 2-Hexanone	10.99	43	448273	302.725	ug/l	99
60) Dibromochloromethane	11.14	129	230210	60.599	ug/l	100
61) 1,2-Dibromoethane	11.25	107	166570	58.924	ug/l	99
64) Tetrachloroethene	10.88	164	231478	56.904	ug/l	98
65) Chlorobenzene	11.68	112	647063	57.598	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	244636	59.792	ug/l	98
67) Ethyl Benzene	11.75	91	1130433	58.236	ug/l	100
68) m/p-Xylenes	11.86	106	887038	118.514	ug/l	99
69) o-Xylene	12.18	106	398263	60.491	ug/l	99
70) Styrene	12.20	104	709831	61.260	ug/l	99
71) Bromoform	12.37	173	138015	60.054	ug/l #	97
73) Isopropylbenzene	12.48	105	1088213	56.369	ug/l	100
74) N-amyl acetate	12.30	43	223533	56.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186912	55.081	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	239899	103.584	ug/l #	100
77) Bromobenzene	12.77	156	275290	57.395	ug/l	96
78) n-propylbenzene	12.83	91	1289286	56.287	ug/l	100
79) 2-Chlorotoluene	12.91	91	712484	55.191	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904521	56.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	64244	58.538	ug/l	97
82) 4-Chlorotoluene	13.01	91	751444	55.394	ug/l	98
83) tert-Butylbenzene	13.23	119	765602	57.019	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	901290	57.611	ug/l	100
85) sec-Butylbenzene	13.41	105	1076134	56.148	ug/l	98
86) p-Isopropyltoluene	13.53	119	1014060	57.983	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	516184	55.977	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	505290	55.085	ug/l	99
89) n-Butylbenzene	13.86	91	914399	56.554	ug/l	99
90) Hexachloroethane	14.12	117	199106	55.282	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	441844	56.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28472	55.092	ug/l	98

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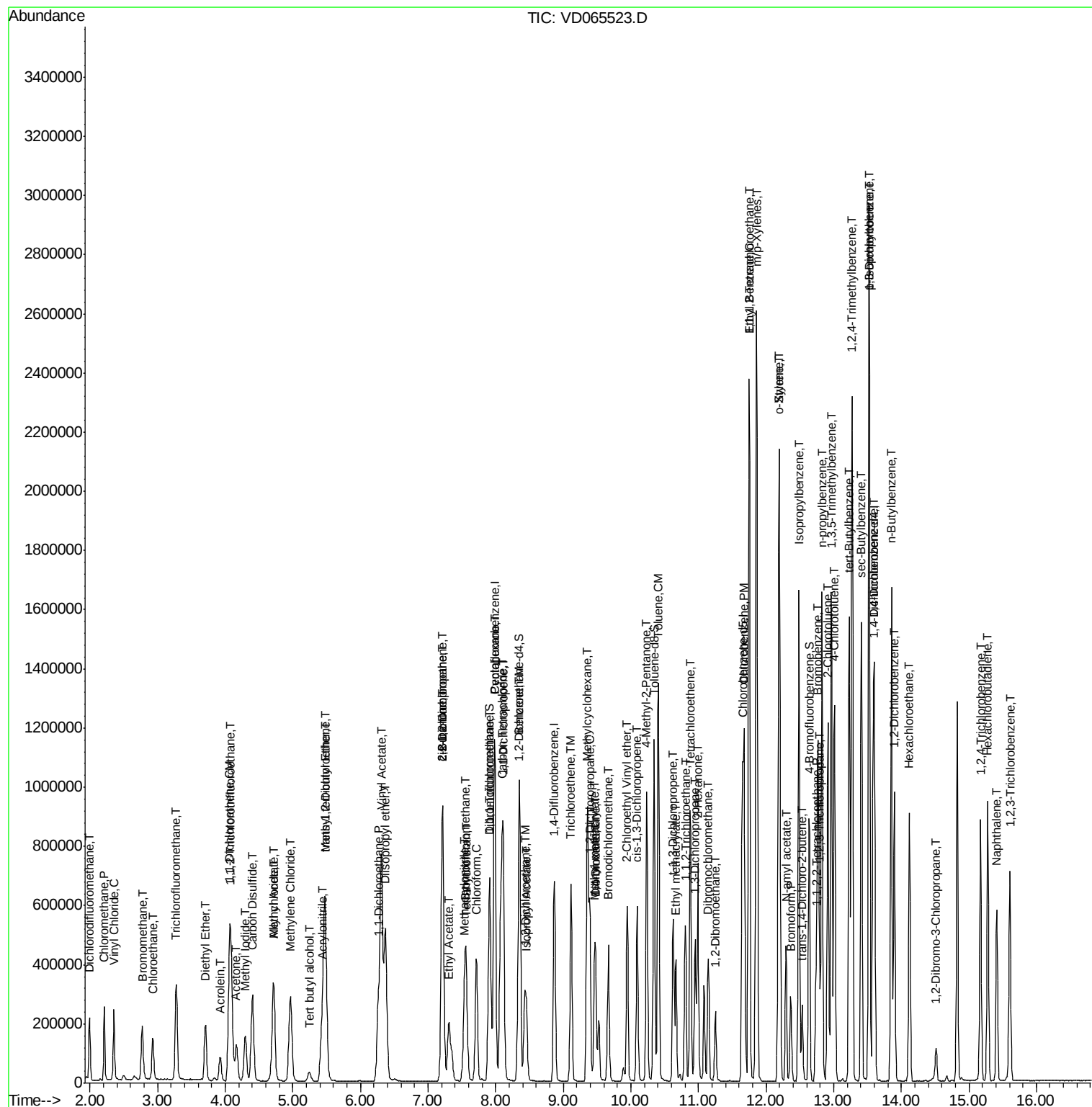
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	311011	58.475	ug/l	99
94) Hexachlorobutadiene	15.28	225	203165	58.135	ug/l	99
95) Naphthalene	15.41	128	507443	53.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272670	59.327	ug/l	100

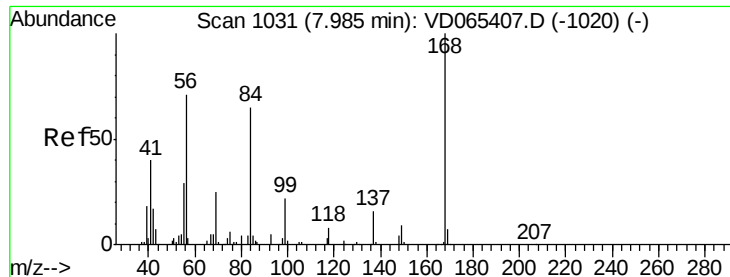
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

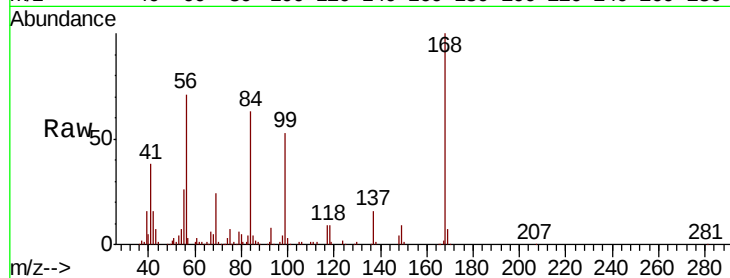
ClientSampled :

Tot Ion:168 Resp: 437129

Ion Ratio Lower Upper

168 100

99 52.9 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

200000

150000

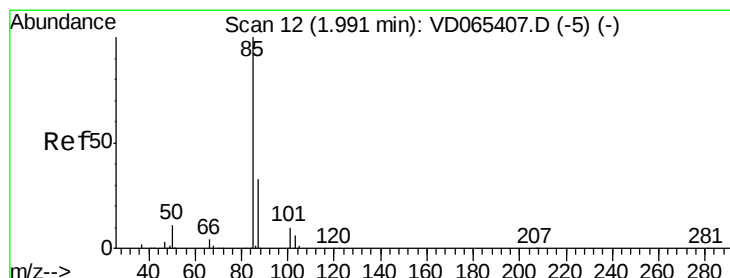
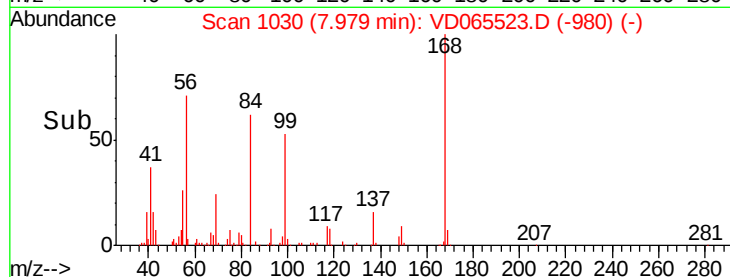
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.521 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065523.D

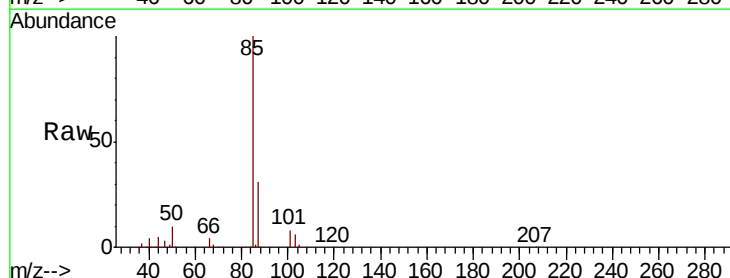
Acq: 24 Mar 2020 17:05

Tgt Ion: 85 Resp: 163499

Ion Ratio Lower Upper

85 100

87 30.6 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

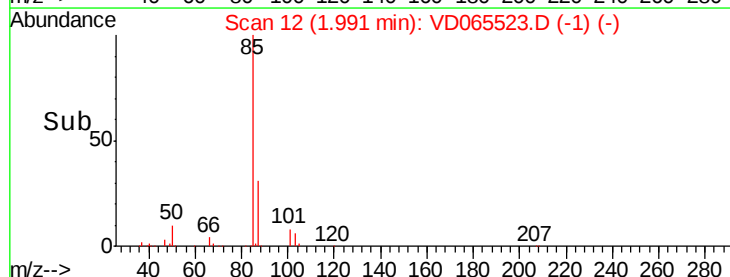
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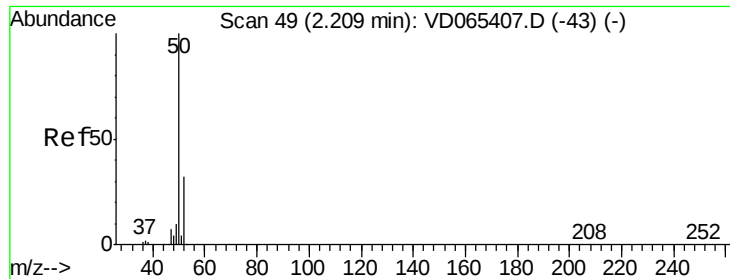
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.212 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

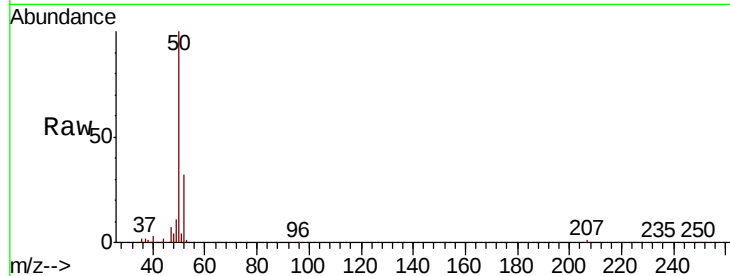
ClientSampleId :

Tot Ion: 50 Resp: 200532

Ion Ratio Lower Upper

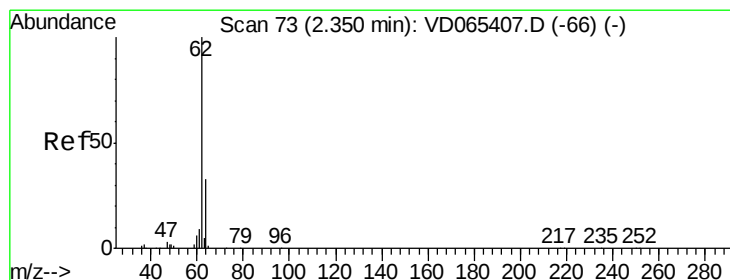
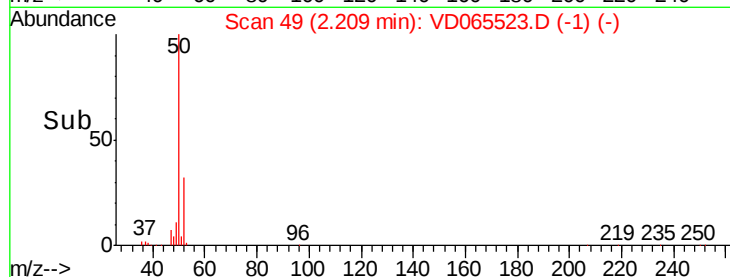
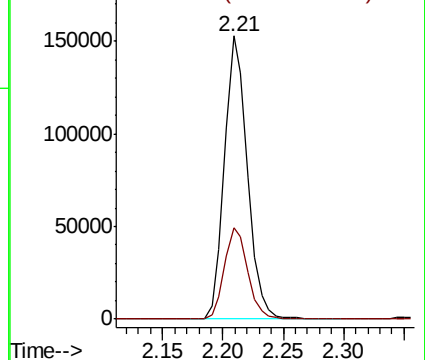
50 100

52 32.5 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: 48.773 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065523.D

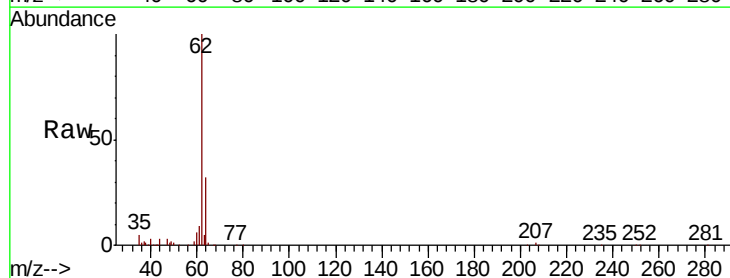
Acq: 24 Mar 2020 17:05

Tgt Ion: 62 Resp: 218197

Ion Ratio Lower Upper

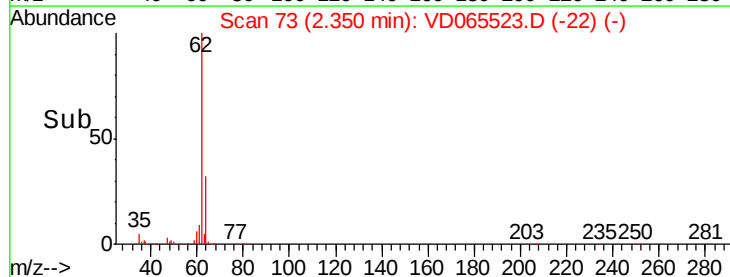
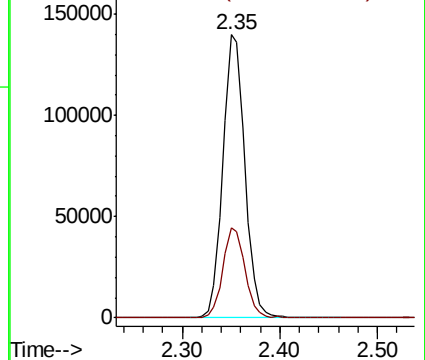
62 100

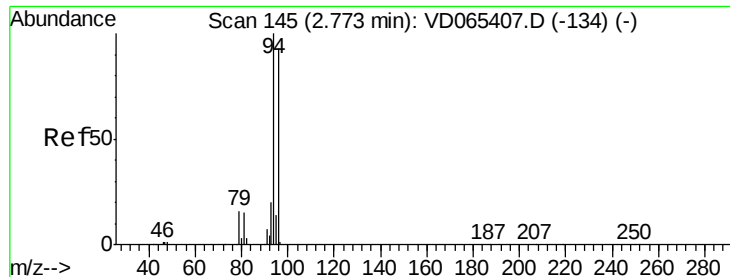
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.499 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

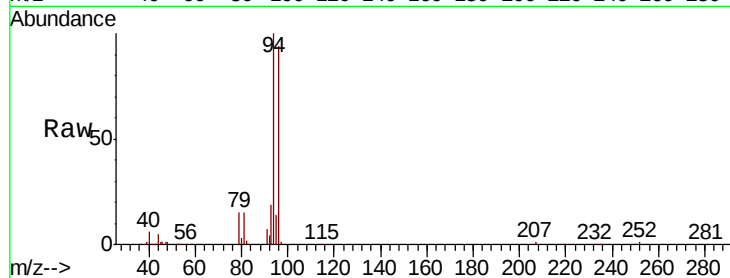
ClientSampleId :

Tot Ion: 94 Resp: 142339

Ion Ratio Lower Upper

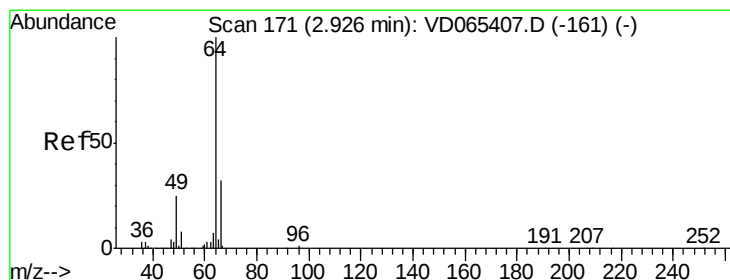
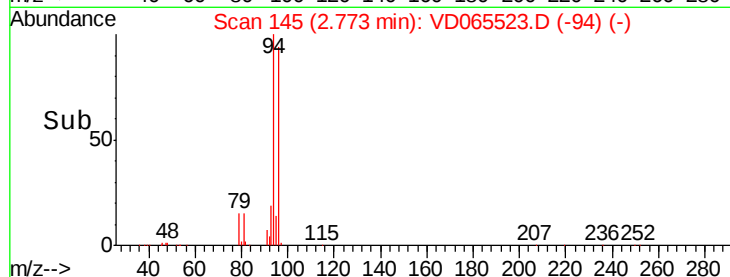
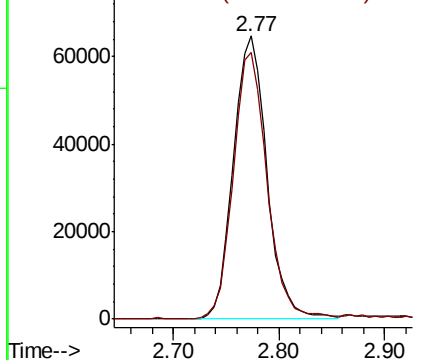
94 100

96 93.9 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: 51.709 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065523.D

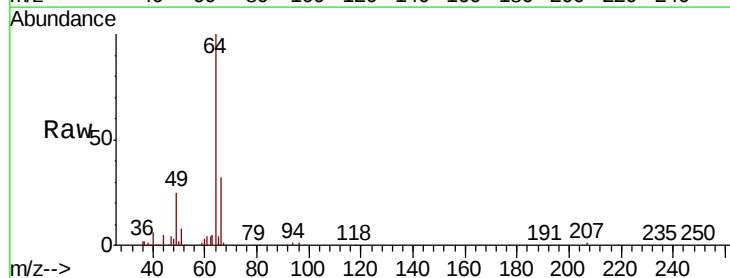
Acq: 24 Mar 2020 17:05

Tgt Ion: 64 Resp: 141680

Ion Ratio Lower Upper

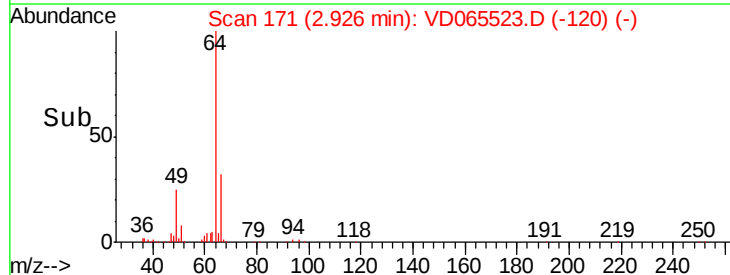
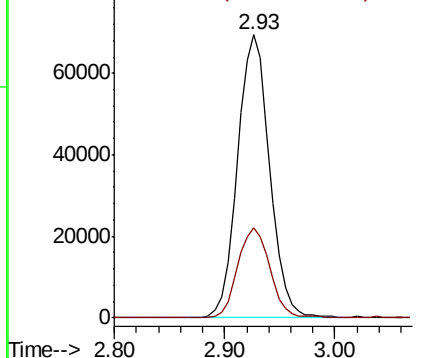
64 100

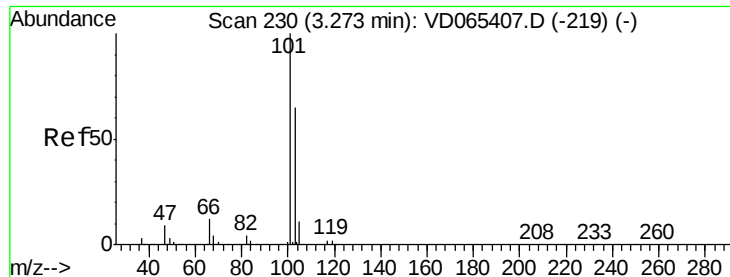
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



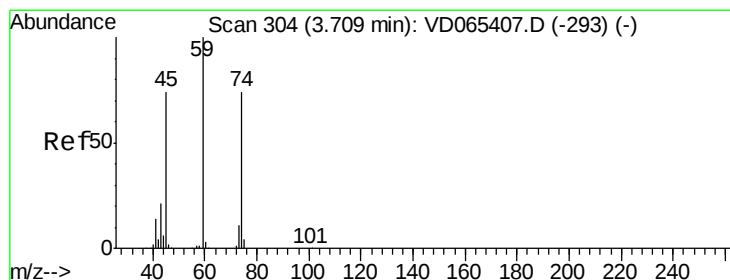
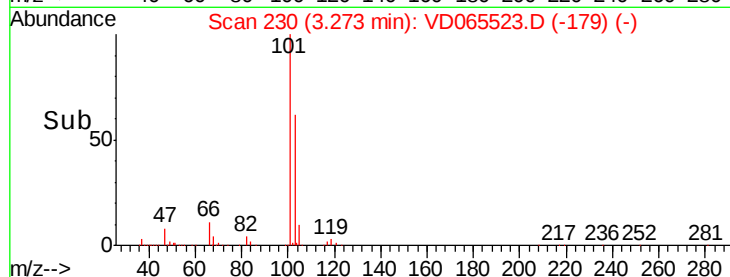
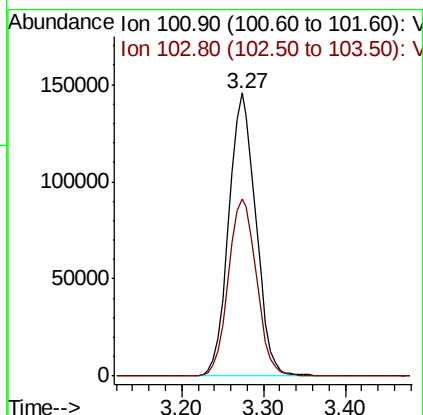
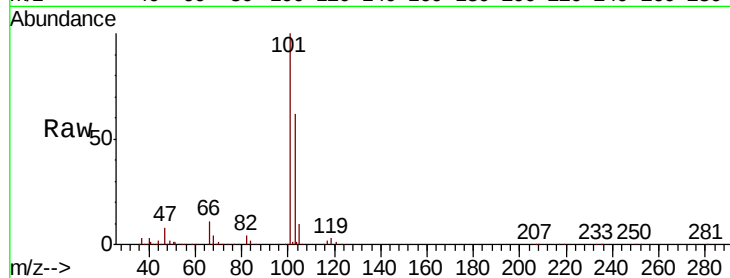


#7

Trichlorofluoromethane
Concen: 51.069 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampleId :

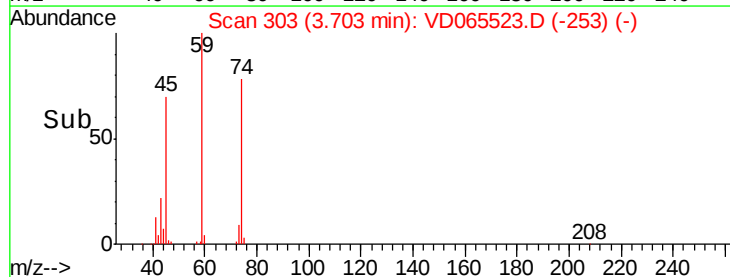
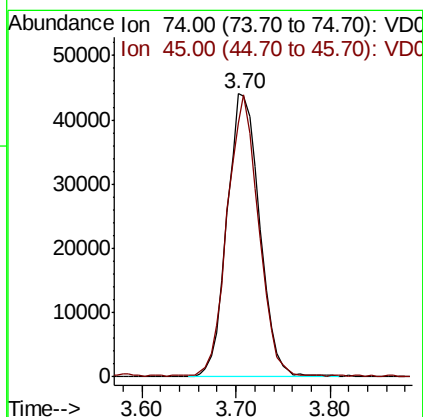
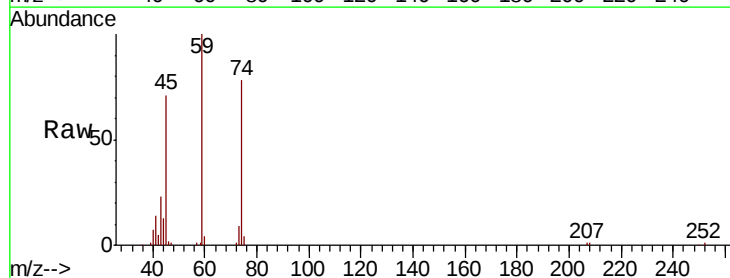
Tot Ion:101 Resp: 336643
Ion Ratio Lower Upper
101 100
103 62.4 52.1 78.1

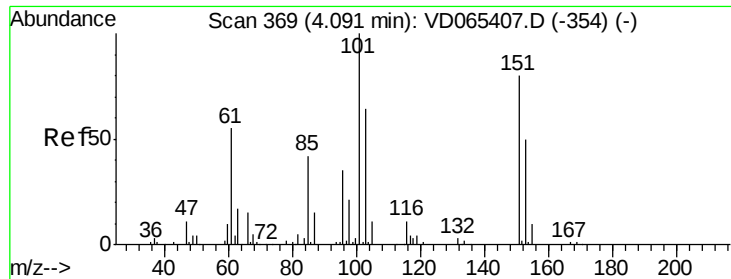


#8

Diethyl Ether
Concen: 54.233 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 74 Resp: 106316
Ion Ratio Lower Upper
74 100
45 94.6 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.804 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

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ClientSampleId :

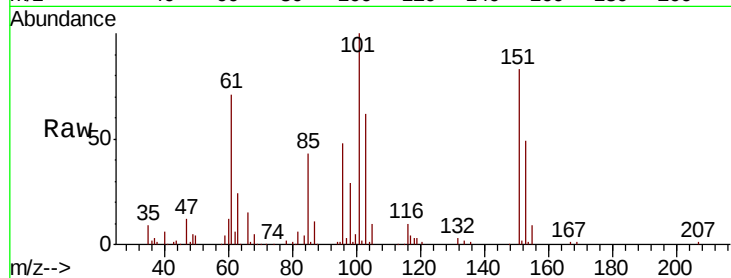
Tot Ion:101 Resp: 224182

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.2

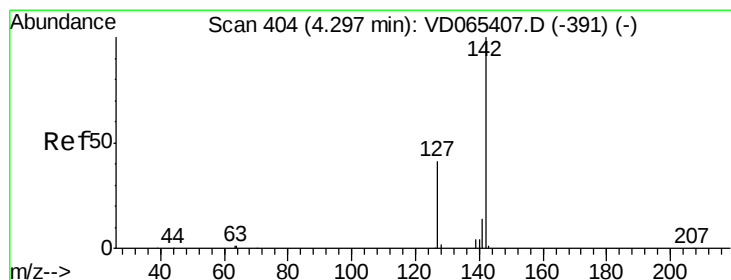
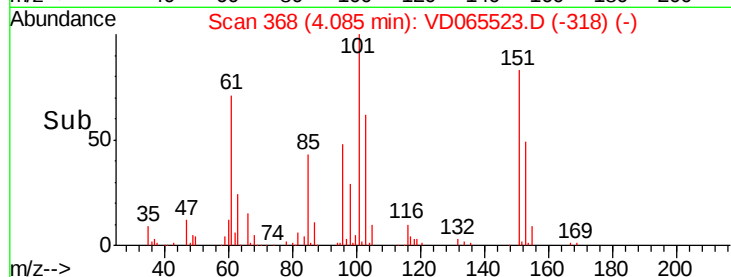
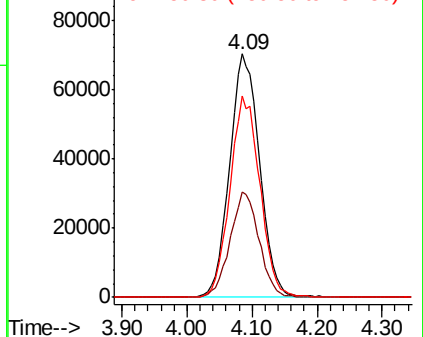
151 82.3 65.1 97.7



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: 59.280 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

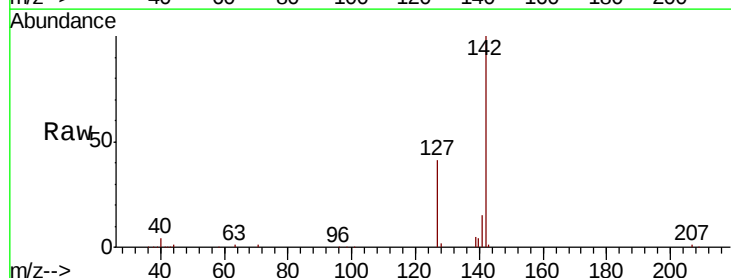
Tgt Ion:142 Resp: 261468

Ion Ratio Lower Upper

142 100

127 40.9 35.0 52.6

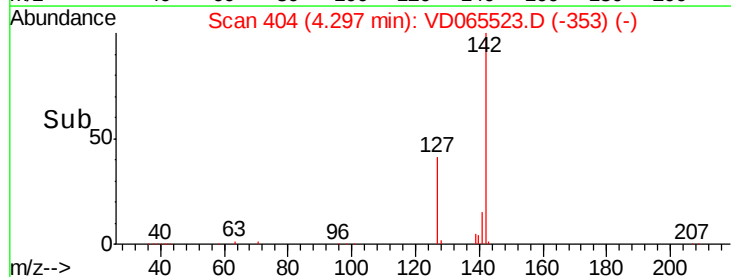
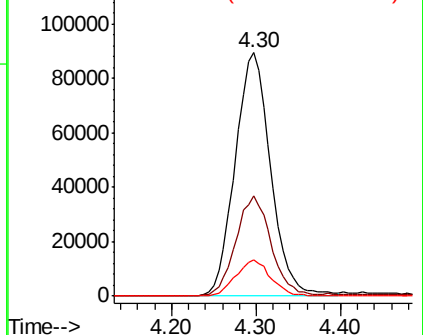
141 14.5 12.4 18.6

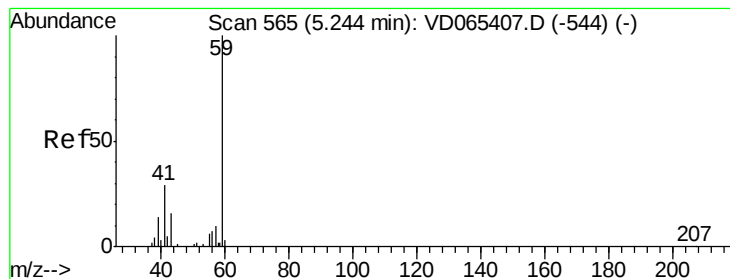


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



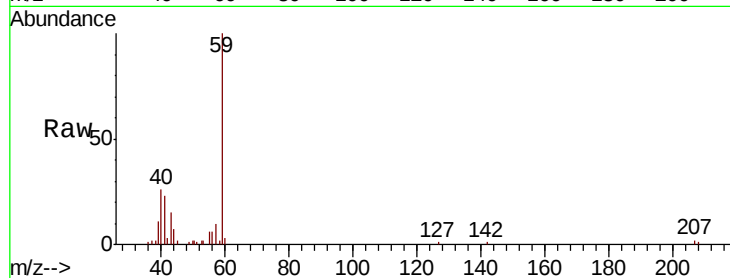


#11

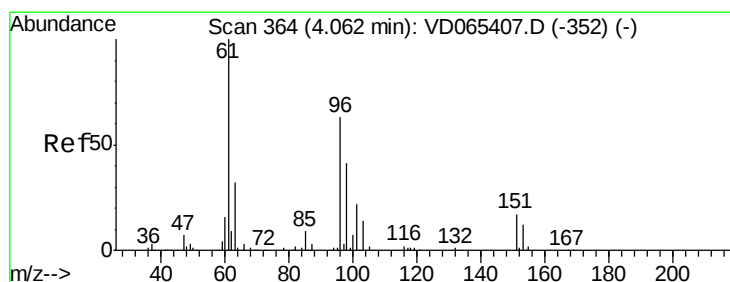
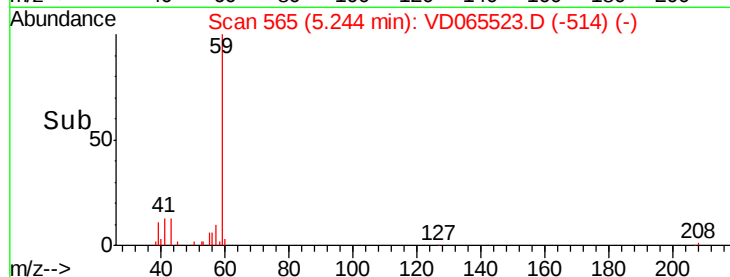
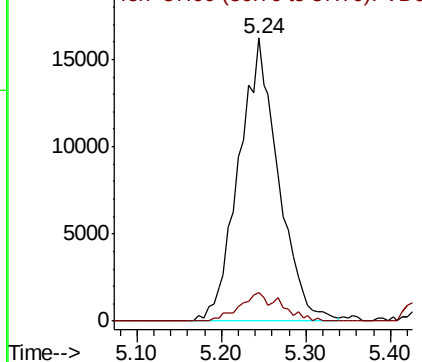
Tert butyl alcohol
Concen: 244.741 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 52639
Ion Ratio Lower Upper
59 100
57 6.8 6.9 10.3#



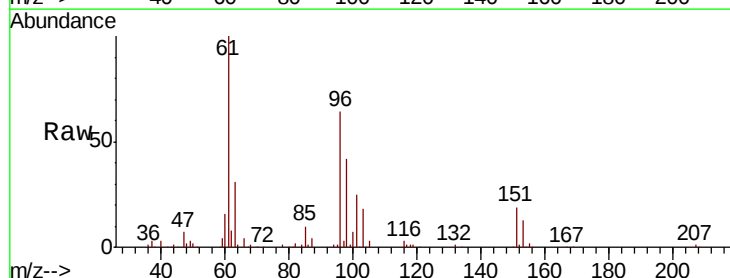
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



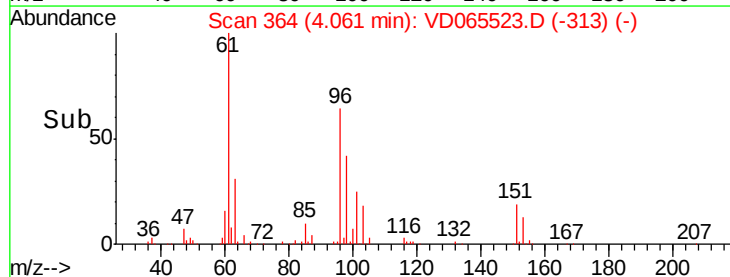
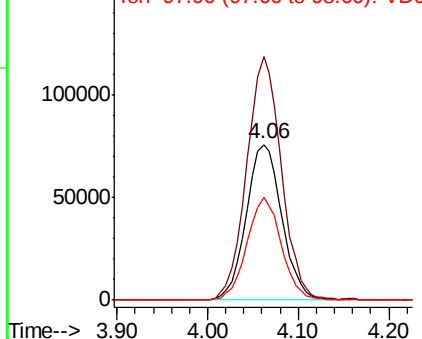
#12

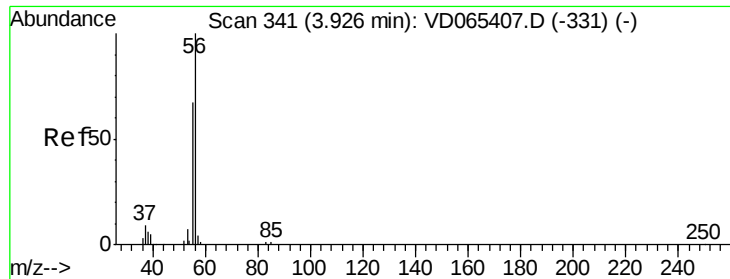
1,1-Dichloroethene
Concen: 50.859 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 96 Resp: 206759
Ion Ratio Lower Upper
96 100
61 156.5 128.0 192.0
98 66.4 51.9 77.9



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





#13

Acrolein

Concen: 270.254 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

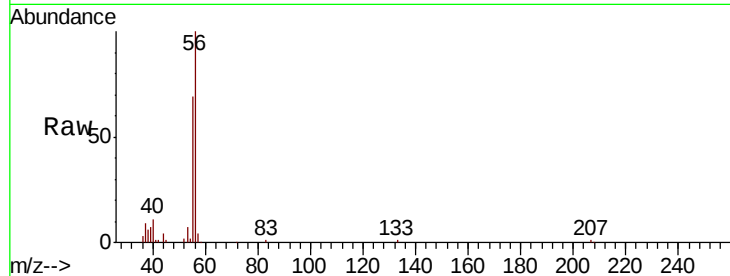
ClientSampleId :

Tot Ion: 56 Resp: 100246

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

40000

30000

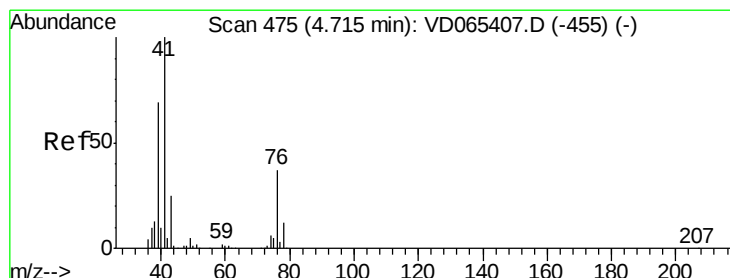
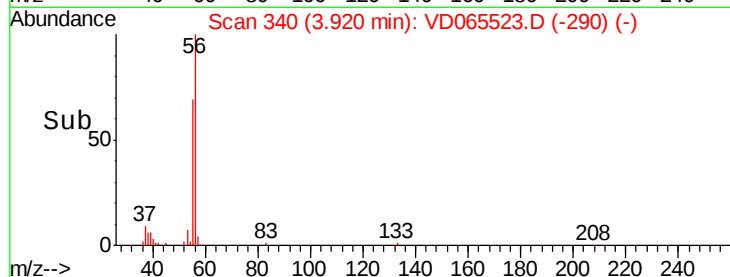
20000

10000

0

Time-->

3.80 3.90 4.00 4.10



#14

Allyl chloride

Concen: 51.812 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

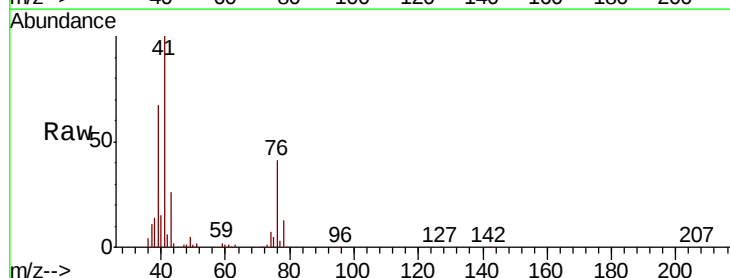
Tgt Ion: 41 Resp: 323571

Ion Ratio Lower Upper

41 100

39 65.1 52.6 79.0

76 37.1 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

4.71

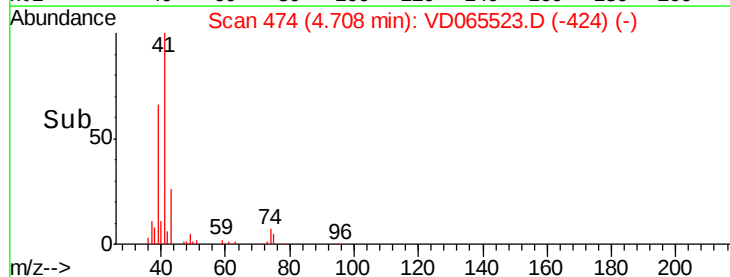
100000

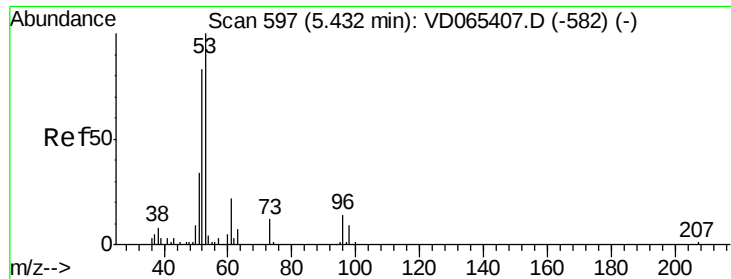
50000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 281.884 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

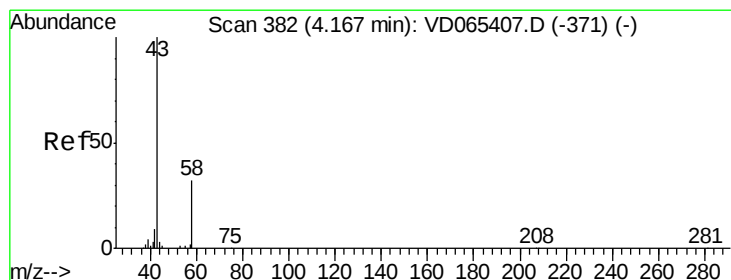
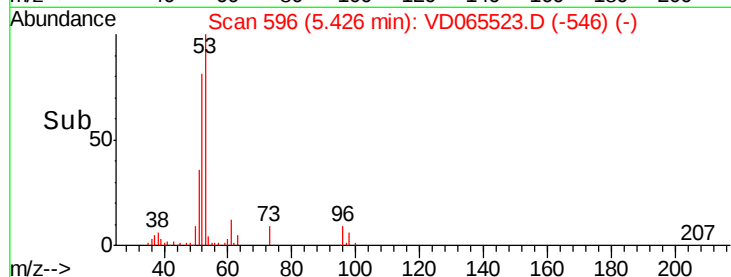
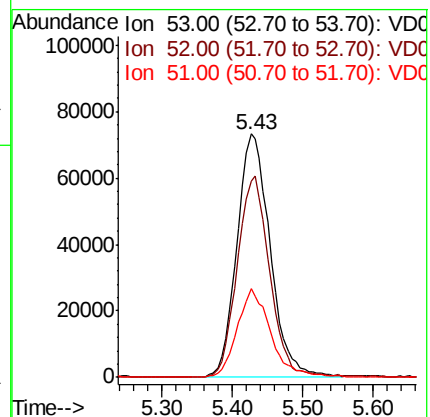
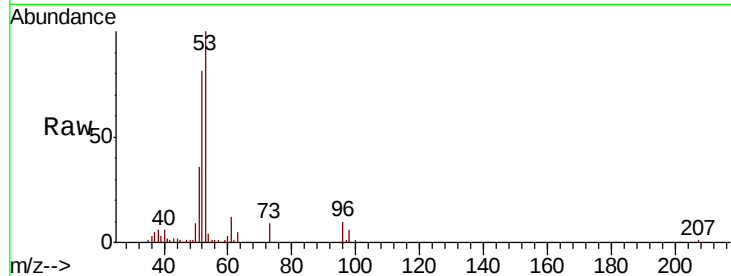
Tot Ion: 53 Resp: 240399

Ion Ratio Lower Upper

53 100

52 80.9 65.1 97.7

51 36.3 28.5 42.7



#16

Acetone

Concen: 278.704 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065523.D

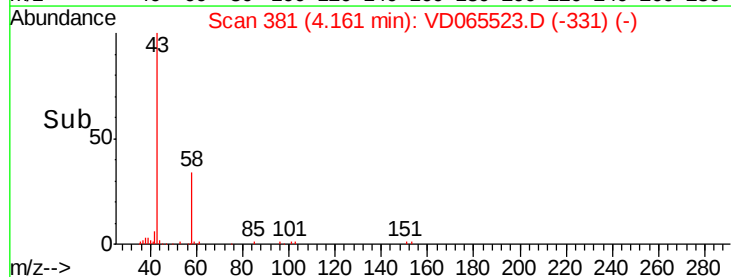
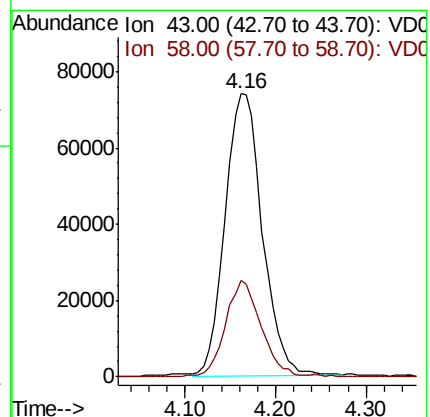
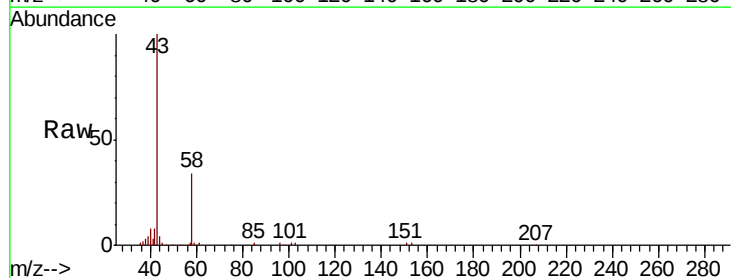
Acq: 24 Mar 2020 17:05

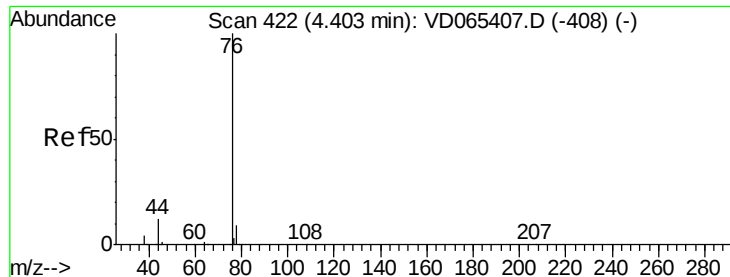
Tgt Ion: 43 Resp: 211352

Ion Ratio Lower Upper

43 100

58 33.9 25.1 37.7





#17

Carbon Disulfide

Concen: 45.336 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

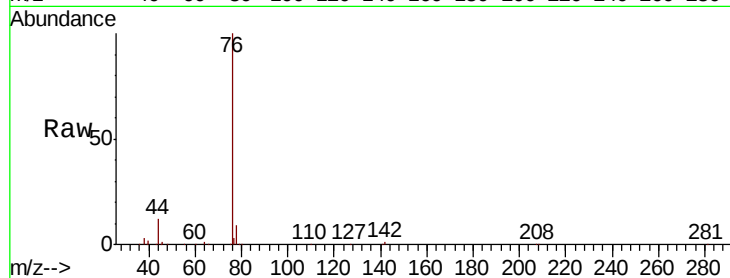
ClientSampleId :

Tot Ion: 76 Resp: 613772

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

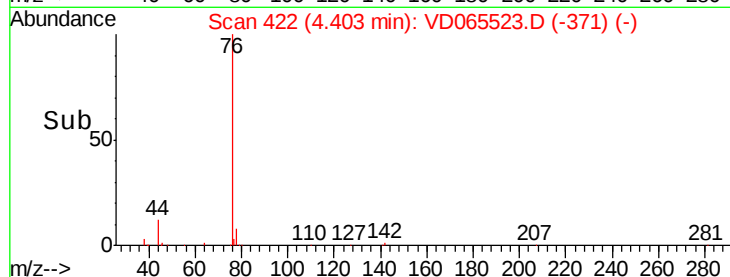
150000

100000

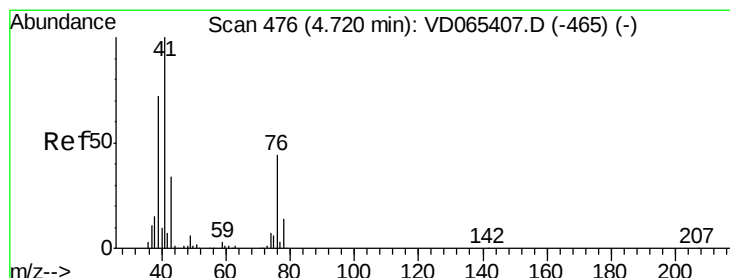
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.830 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065523.D

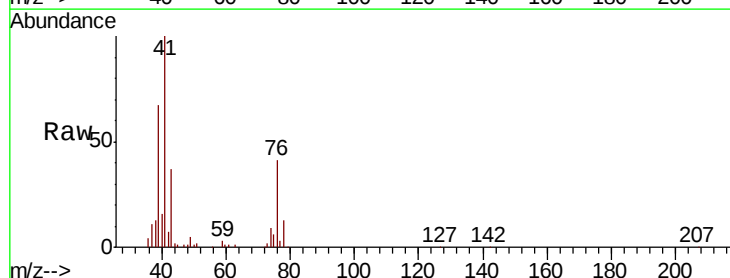
Acq: 24 Mar 2020 17:05

Tgt Ion: 43 Resp: 105473

Ion Ratio Lower Upper

43 100

74 25.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

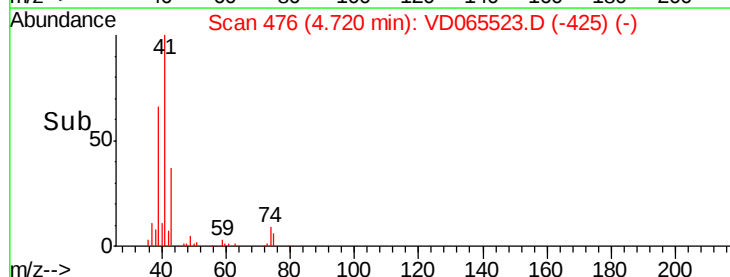
30000

20000

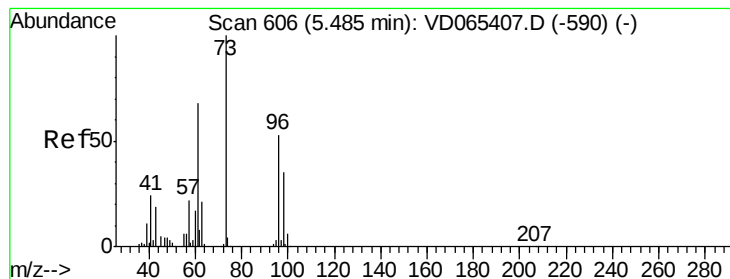
10000

0

Time-->



Time-->

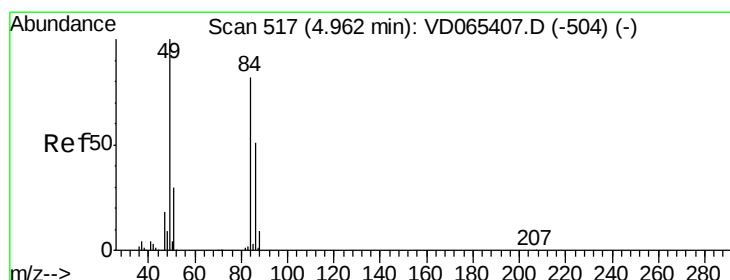
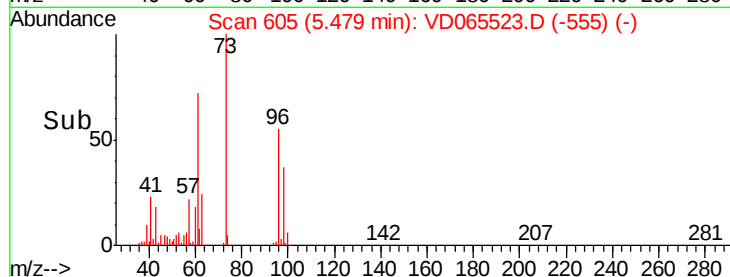
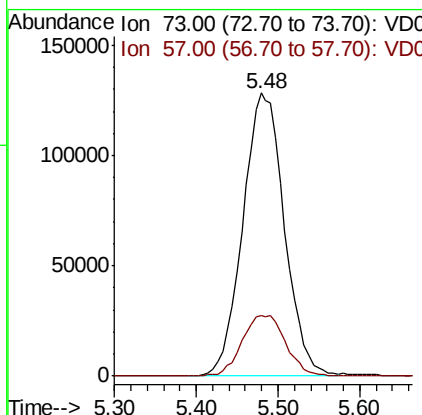
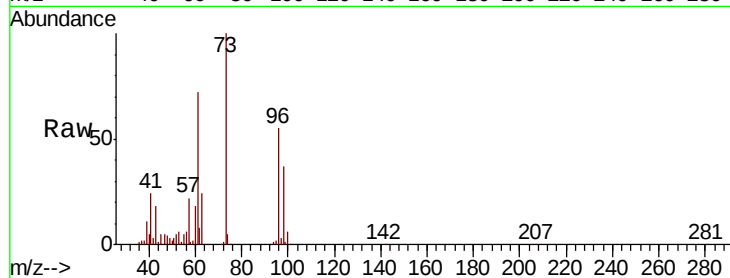


#19

Methyl tert-butyl Ether
 Concen: 57.919 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Instrument :
 MSVOA_D
 ClientSampled :

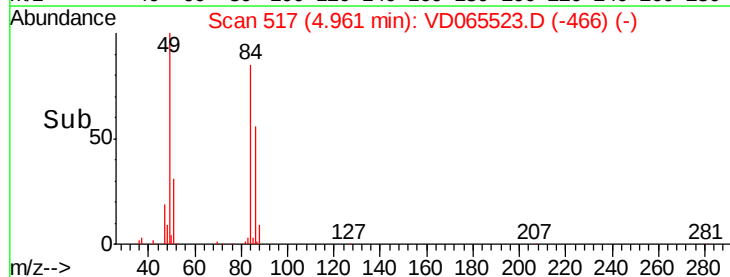
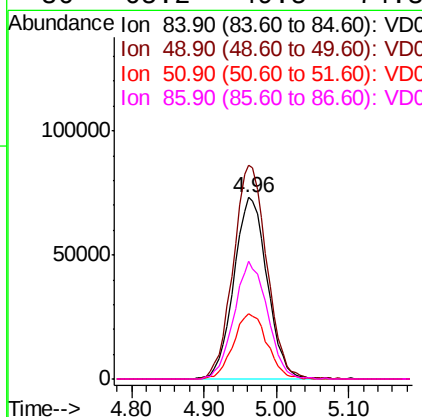
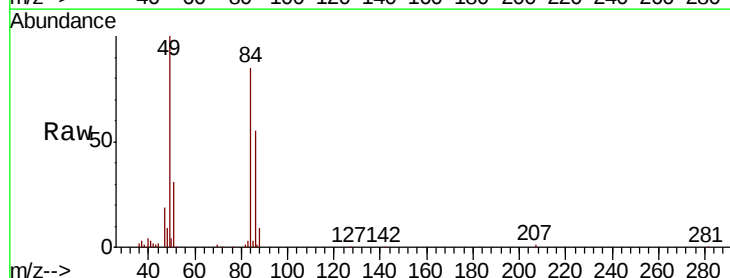
Tot Ion: 73 Resp: 452806
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.3 25.9

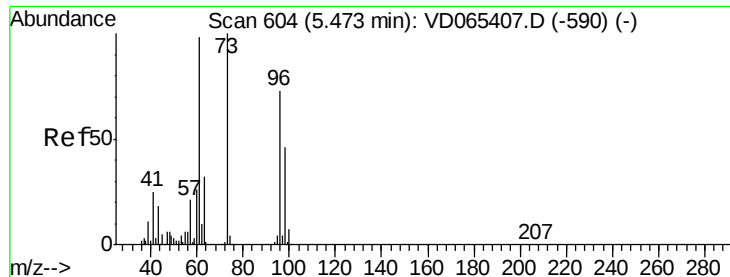


#20

Methylene Chloride
 Concen: 57.420 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion: 84 Resp: 234352
 Ion Ratio Lower Upper
 84 100
 49 117.6 97.7 146.5
 51 36.3 28.8 43.2
 86 65.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 52.460 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampled :

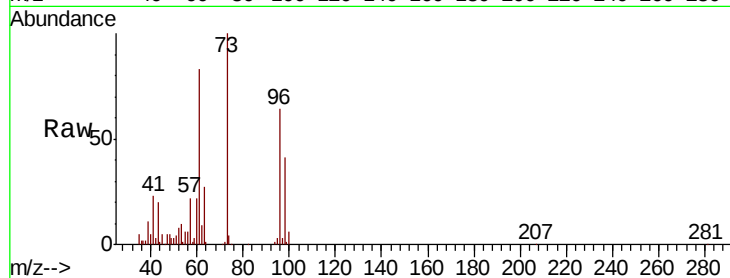
Tot Ion: 96 Resp: 237244

Ion Ratio Lower Upper

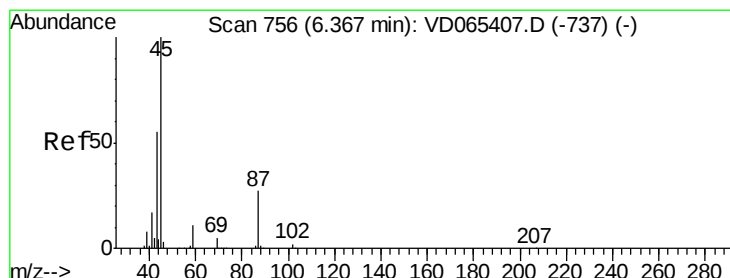
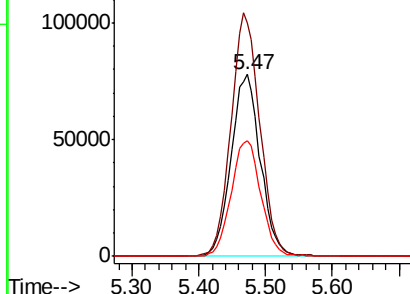
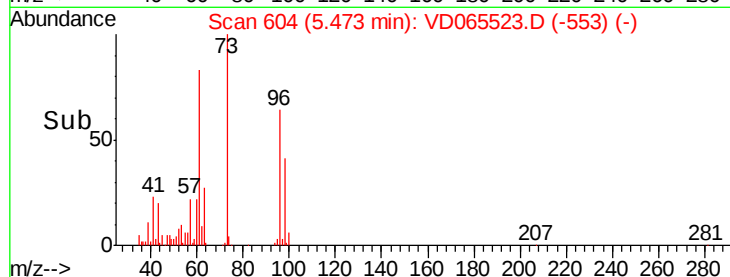
96 100

61 128.1 106.3 159.5

98 63.4 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: 57.366 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Tgt Ion: 45 Resp: 665974

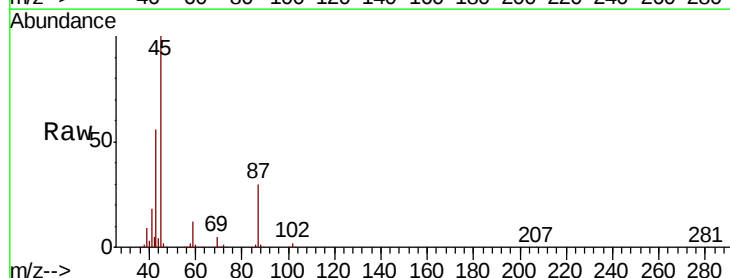
Ion Ratio Lower Upper

45 100

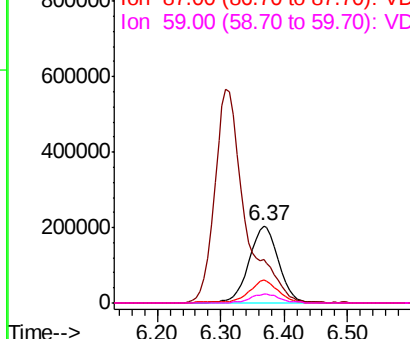
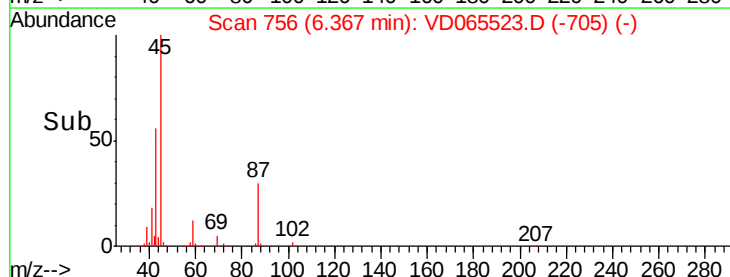
43 55.1 44.4 66.6

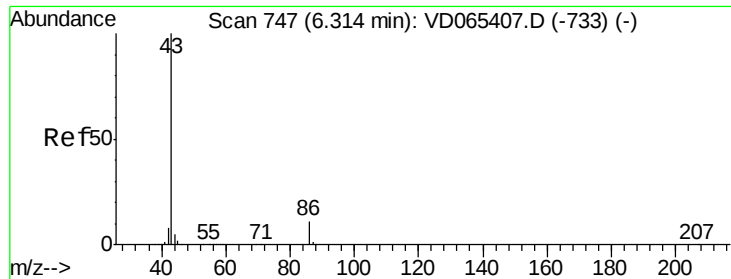
87 30.0 21.9 32.9

59 11.8 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: 293.806 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

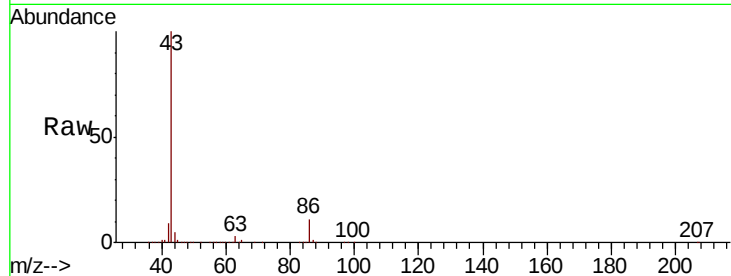
ClientSampled :

Tot Ion: 43 Resp: 1893888

Ion Ratio Lower Upper

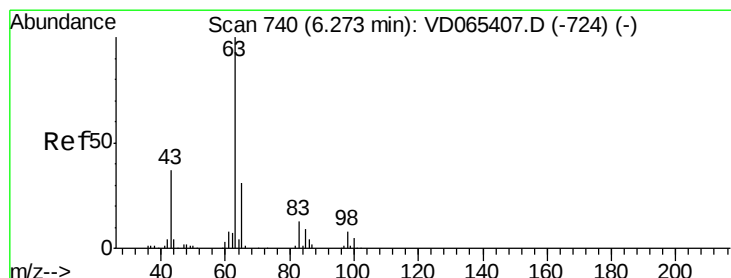
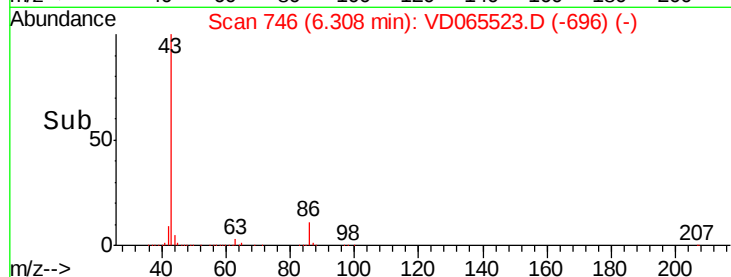
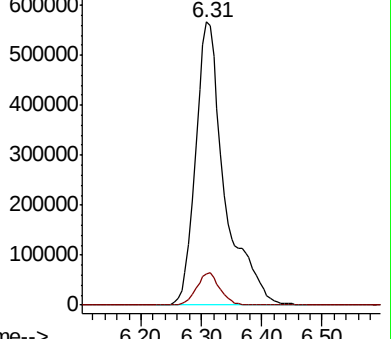
43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.748 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

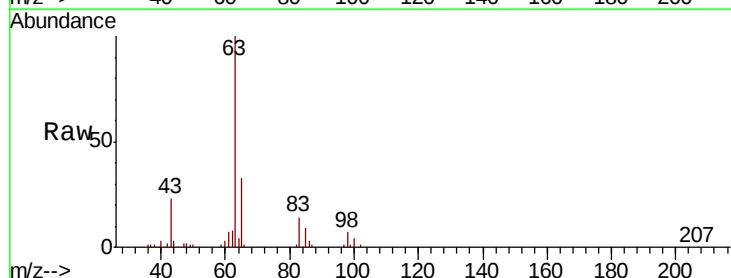
Tgt Ion: 63 Resp: 400231

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

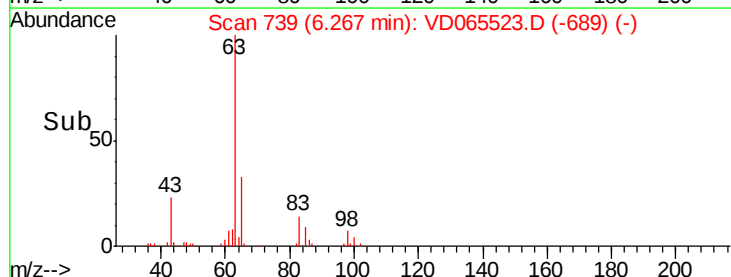
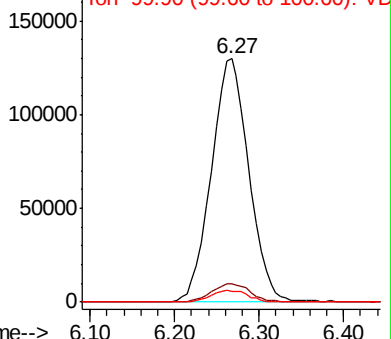
100 4.4 2.4 7.2

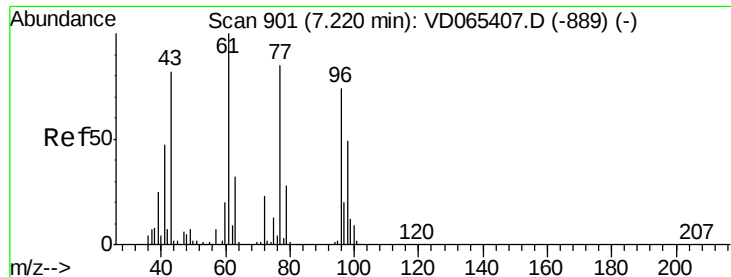


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 274.401 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

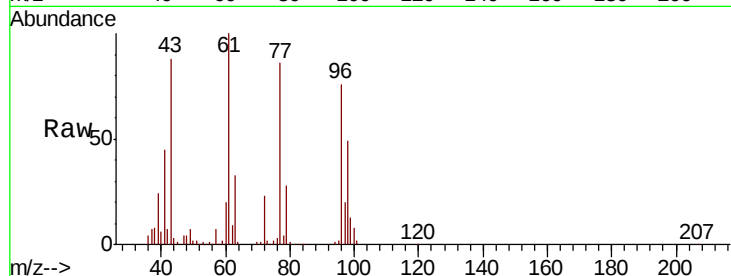
ClientSampleId :

Tot Ion: 43 Resp: 283969

Ion Ratio Lower Upper

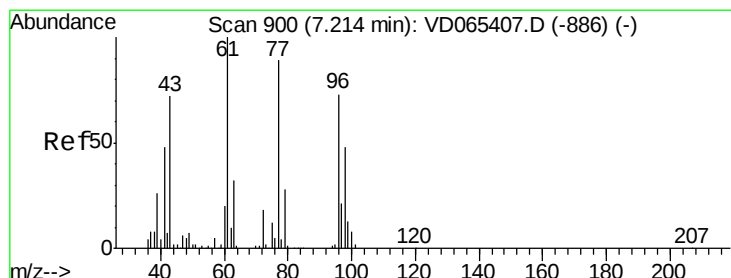
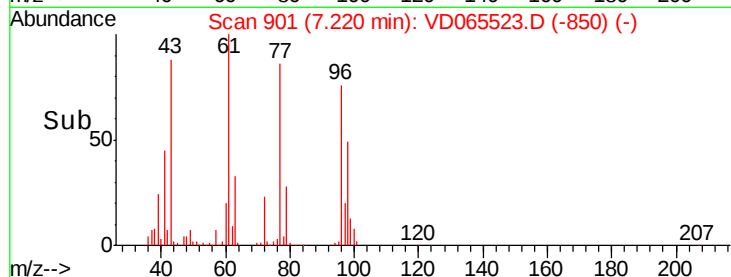
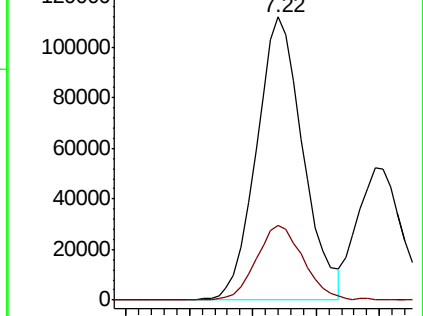
43 100

72 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.358 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065523.D

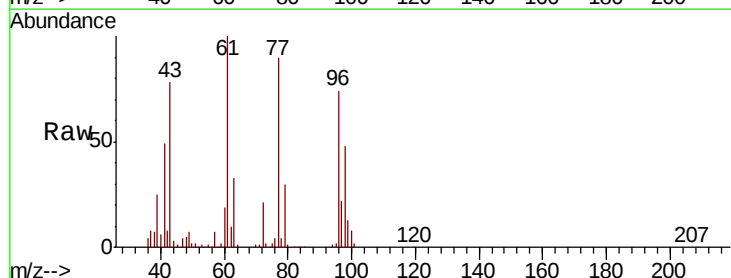
Acq: 24 Mar 2020 17:05

Tgt Ion: 77 Resp: 353719

Ion Ratio Lower Upper

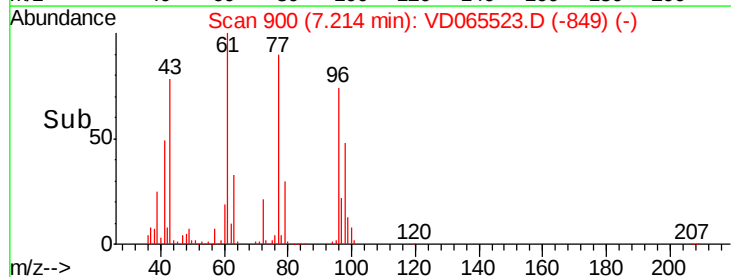
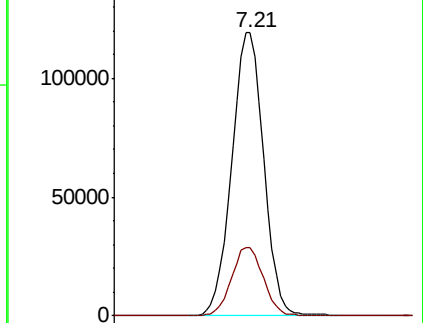
77 100

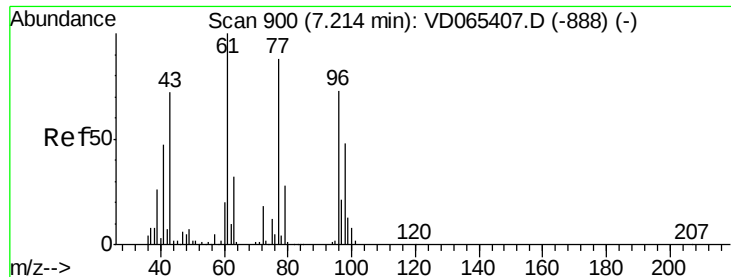
97 24.1 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 56.234 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

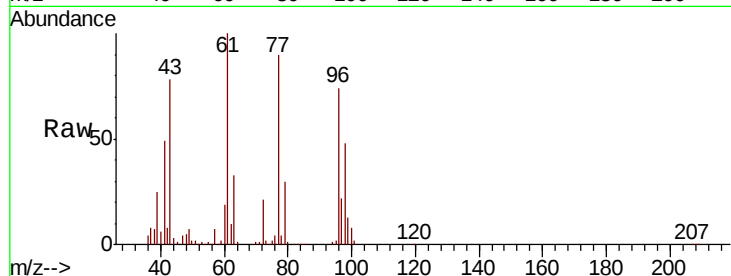
Tot Ion: 96 Resp: 259941

Ion Ratio Lower Upper

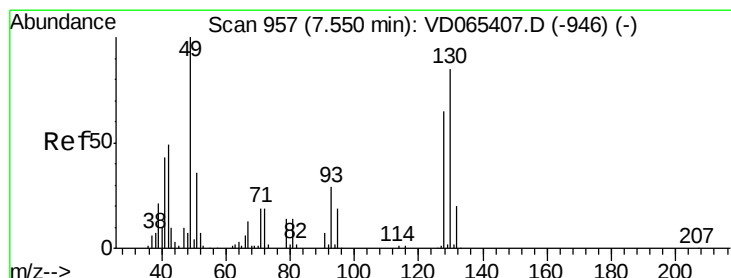
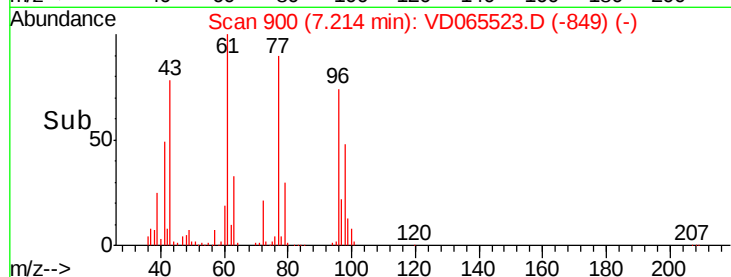
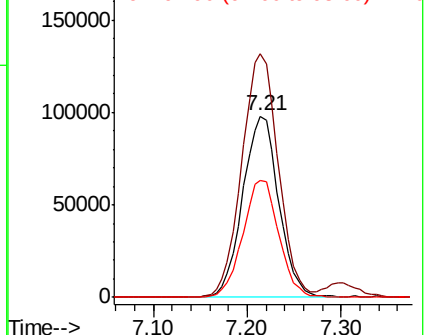
96 100

61 136.2 0.0 280.4

98 64.8 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: 54.277 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

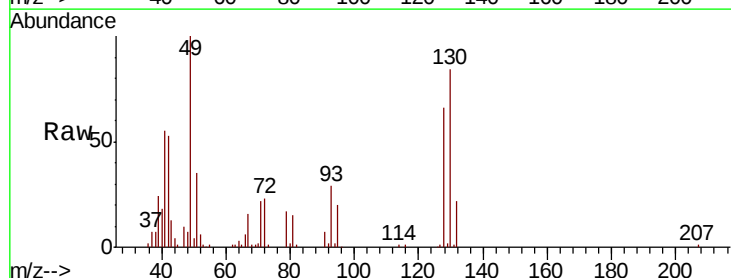
Tgt Ion: 49 Resp: 161701

Ion Ratio Lower Upper

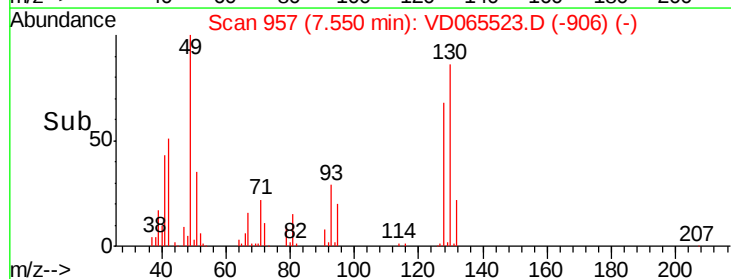
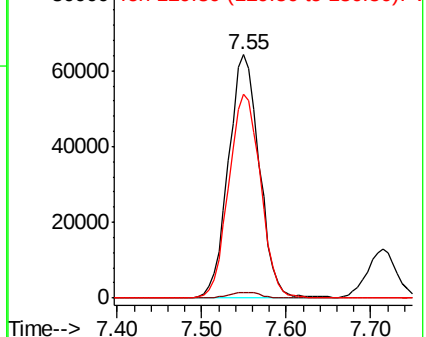
49 100

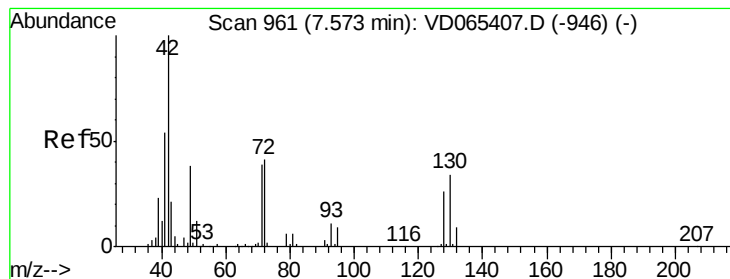
129 2.3 0.0 4.6

130 86.2 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: 282.206 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

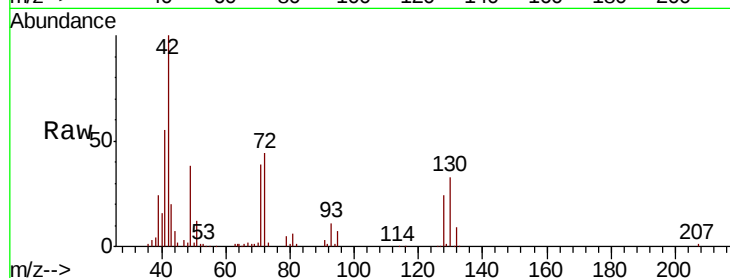
Tot Ion: 42 Resp: 186504

Ion Ratio Lower Upper

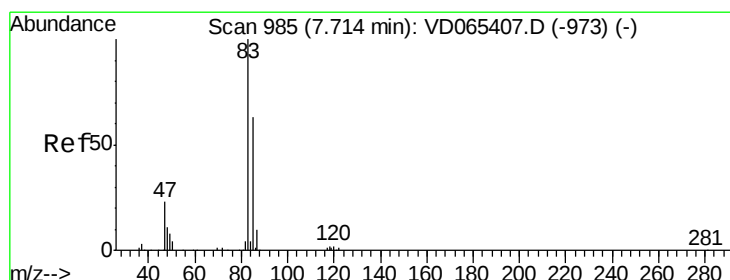
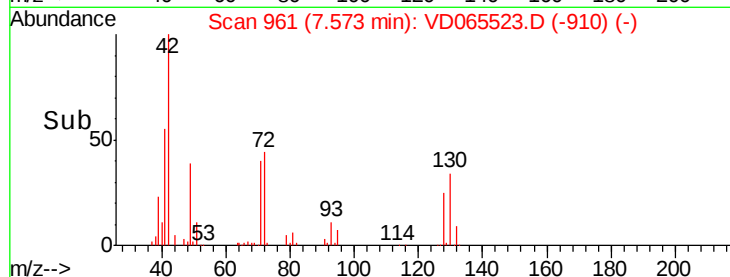
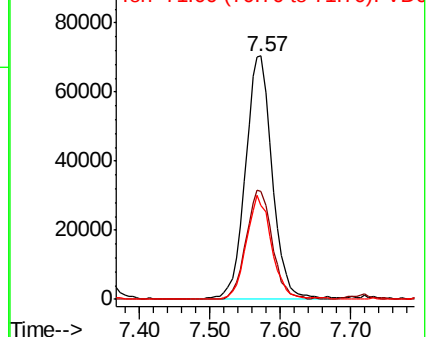
42 100

72 43.6 33.0 49.6

71 40.1 32.0 48.0



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



#30

Chloroform

Concen: 56.110 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065523.D

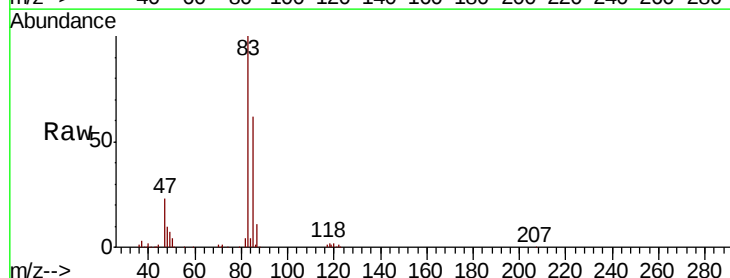
Acq: 24 Mar 2020 17:05

Tgt Ion: 83 Resp: 417610

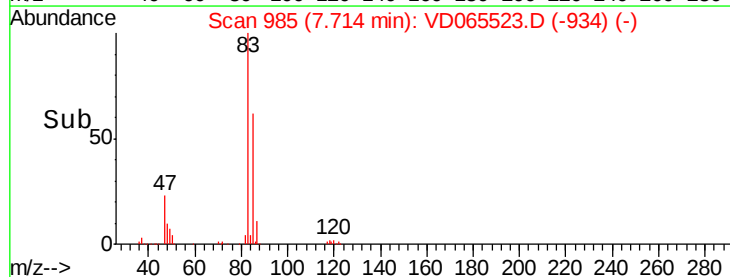
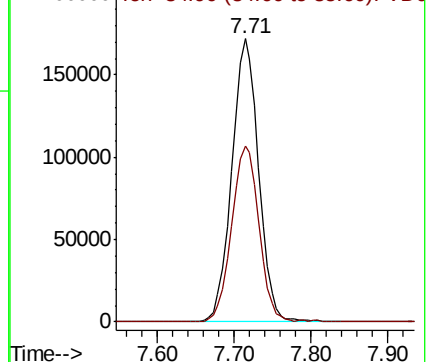
Ion Ratio Lower Upper

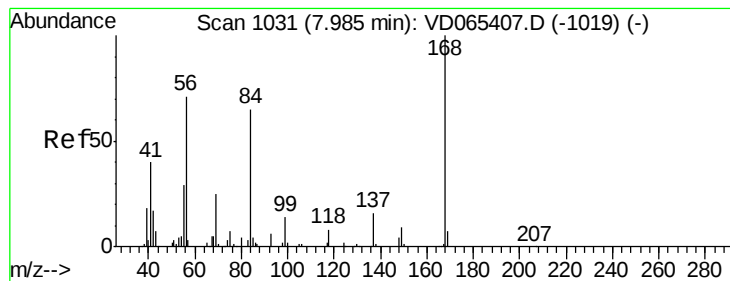
83 100

85 61.9 50.3 75.5



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





#31

Cyclohexane

Concen: 48.444 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

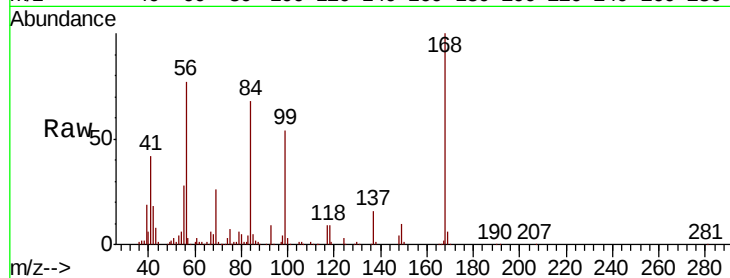
Tot Ion: 56 Resp: 360704

Ion Ratio Lower Upper

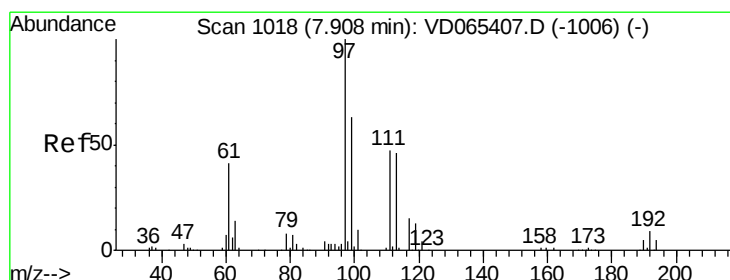
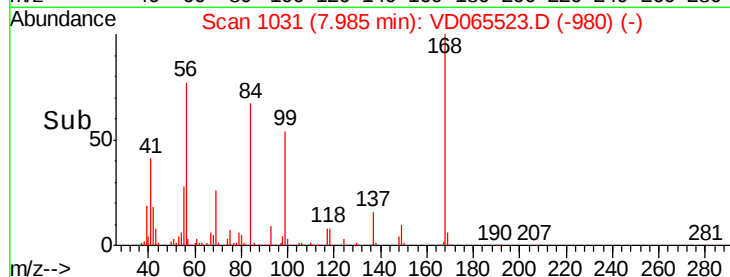
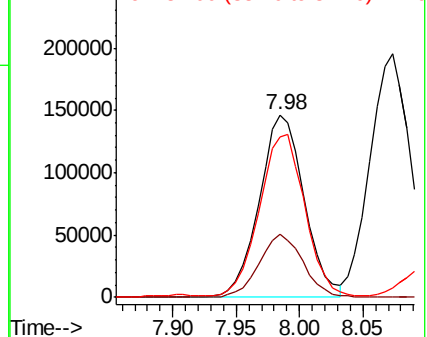
56 100

69 34.3 28.3 42.5

84 86.8 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: 54.667 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

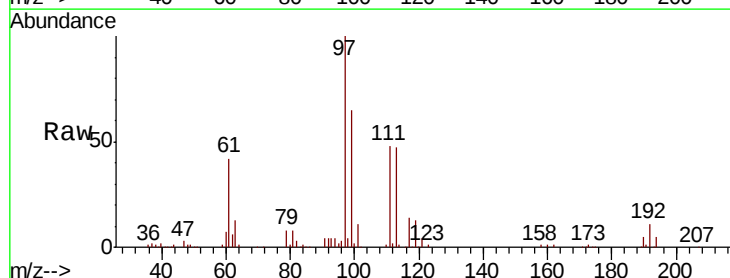
Tgt Ion: 97 Resp: 376003

Ion Ratio Lower Upper

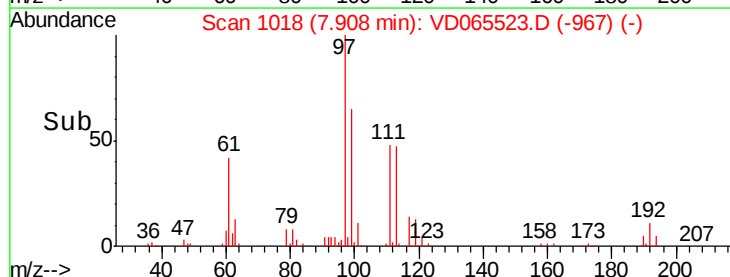
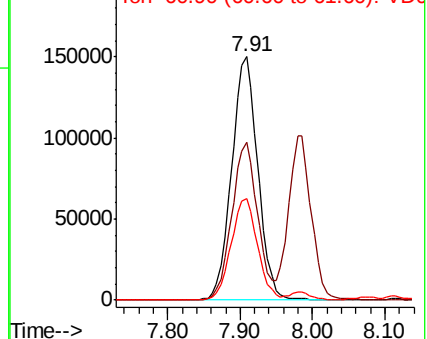
97 100

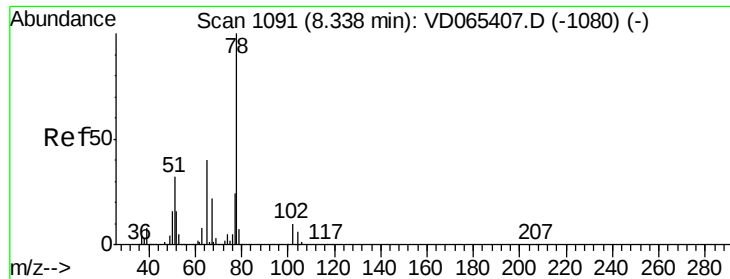
99 64.6 50.9 76.3

61 41.8 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

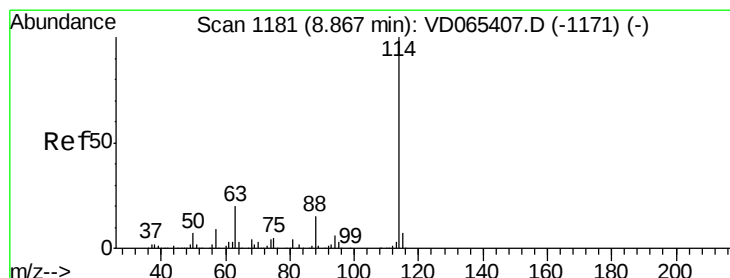
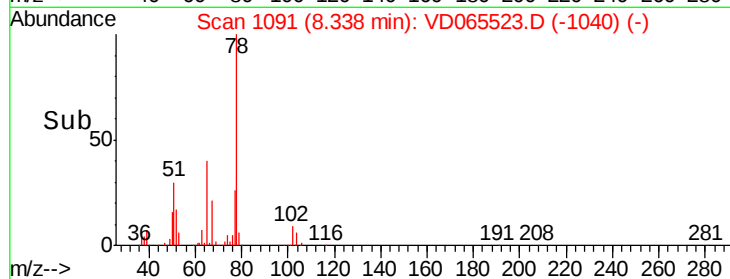
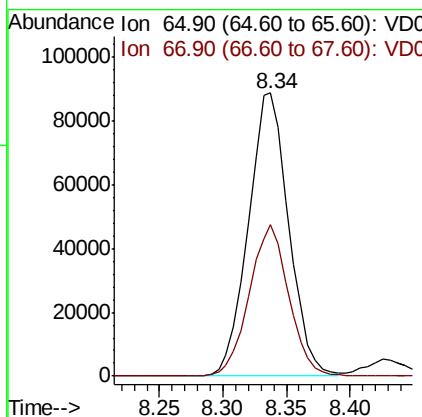
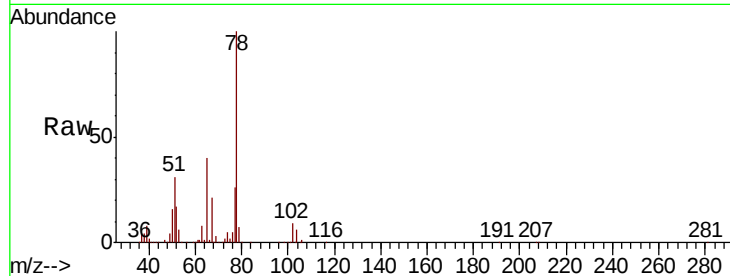




#33
 1,2-Dichloroethane-d4
 Concen: 52.523 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

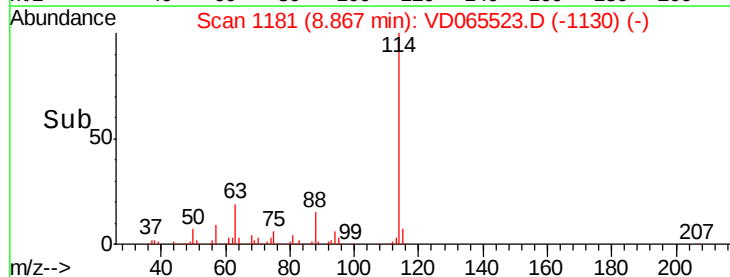
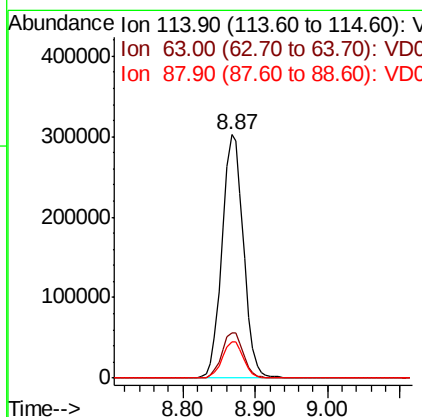
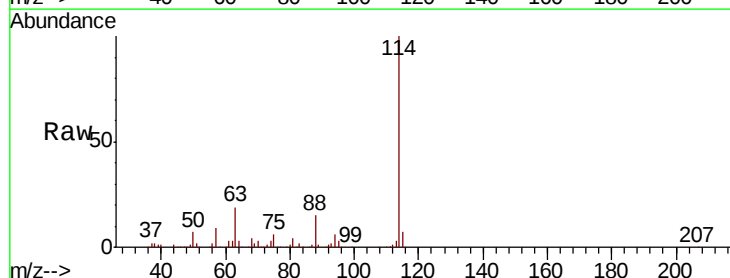
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 196946
 Ion Ratio Lower Upper
 65 100
 67 52.5 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: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion: 114 Resp: 621378
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 14.7 0.0 30.4

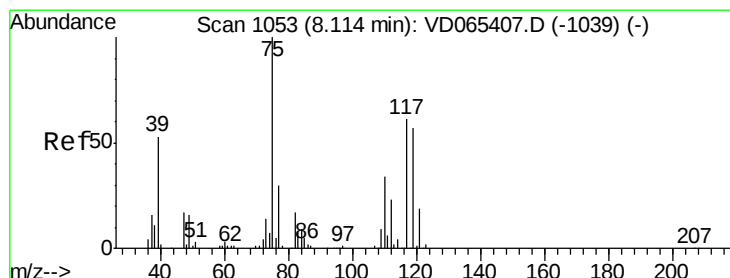
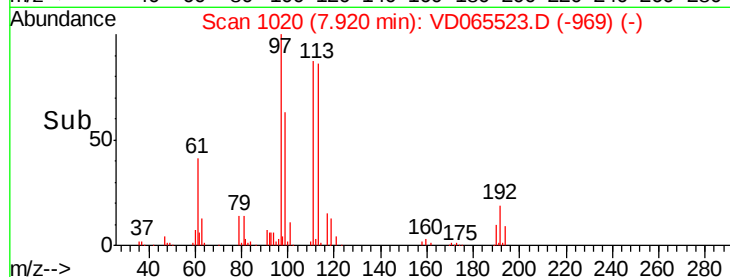
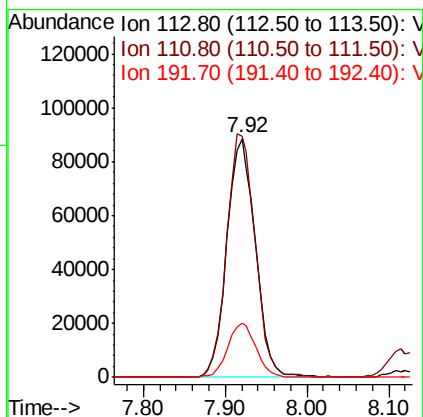
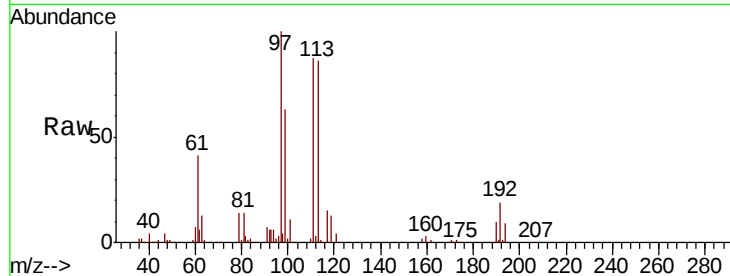




#35
 Dibromofluoromethane
 Concen: 55.887 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

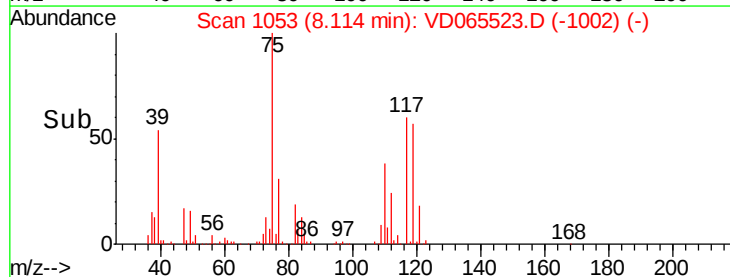
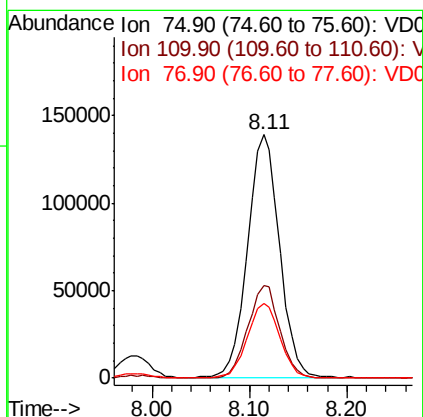
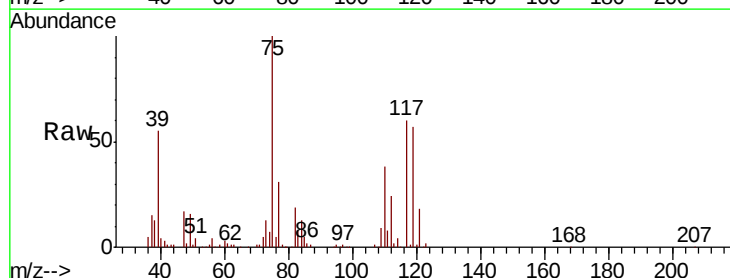
Instrument :
 MSVOA_D
 ClientSampleId :

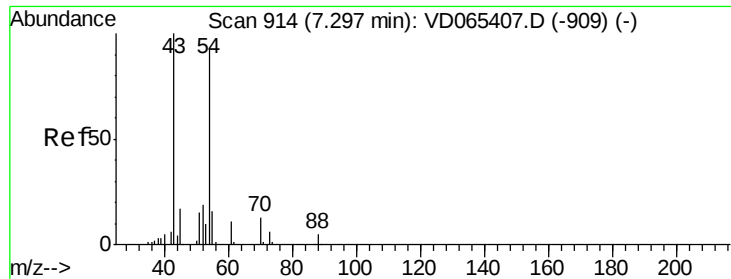
Tot Ion:113 Resp: 214754
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 22.4 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 53.587 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion: 75 Resp: 319181
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.1 54.1
 77 31.8 25.2 37.8

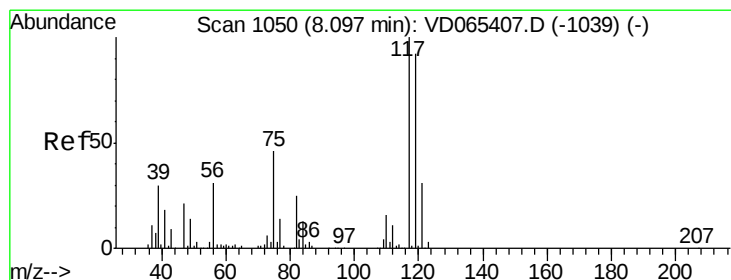
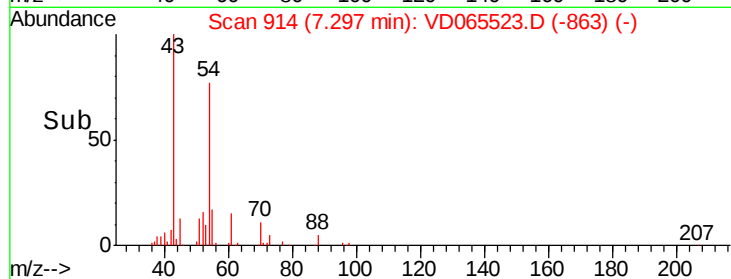
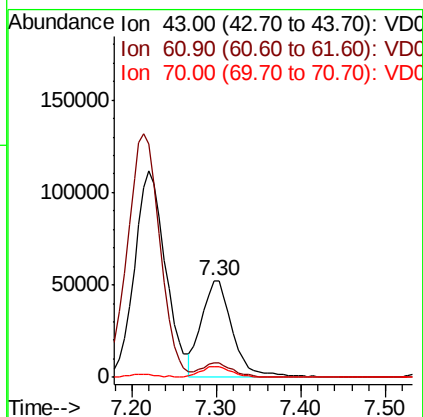
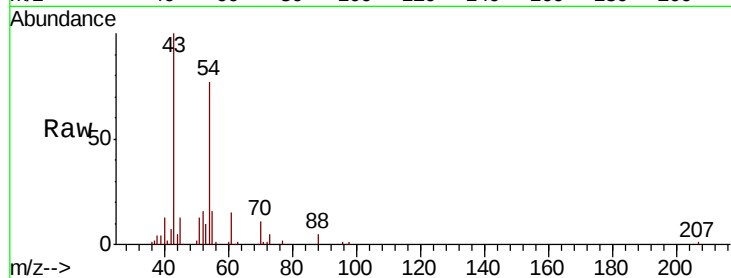




#37
Ethyl Acetate
Concen: 57.282 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

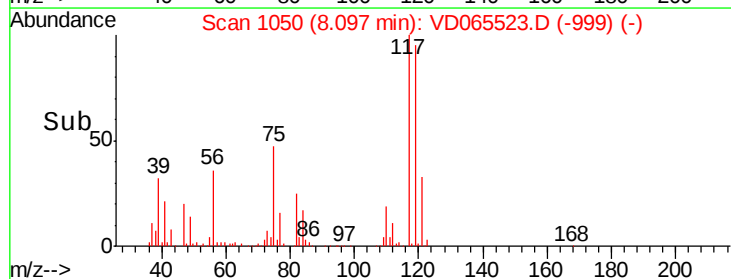
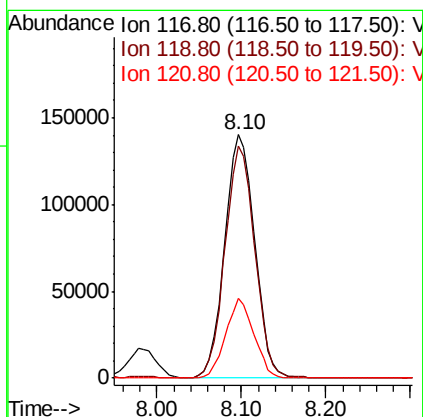
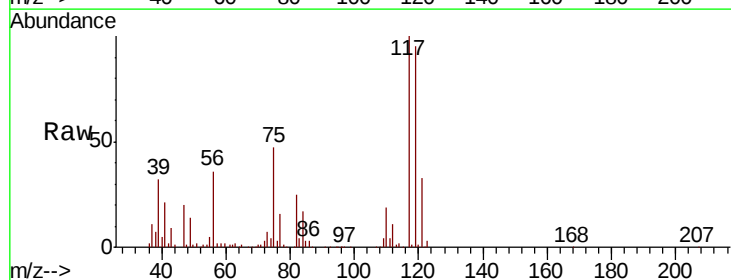
Instrument :
MSVOA_D
ClientSampleId :

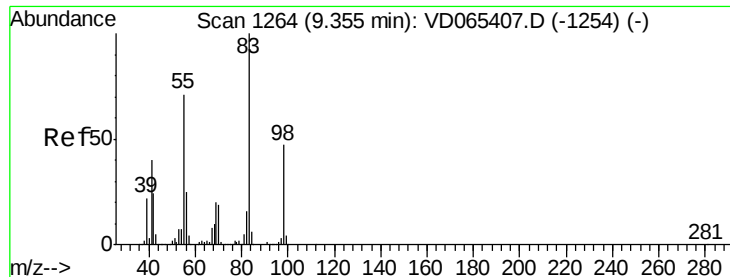
Tot Ion: 43 Resp: 131875
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.0
70 10.9 9.0 13.4



#38
Carbon Tetrachloride
Concen: 55.551 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 117 Resp: 343110
Ion Ratio Lower Upper
117 100
119 95.4 73.3 109.9
121 33.0 25.0 37.4

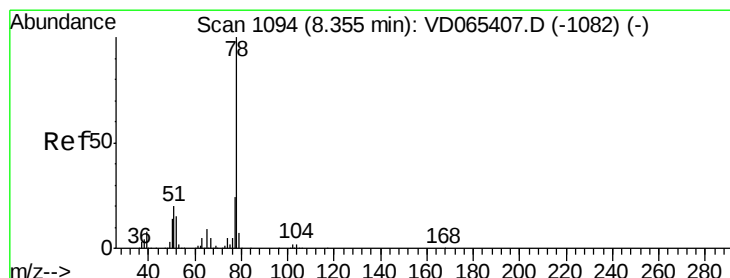
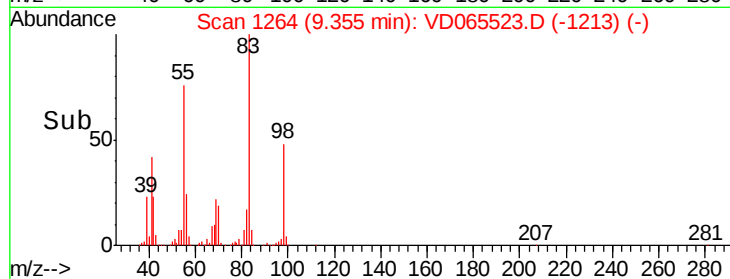
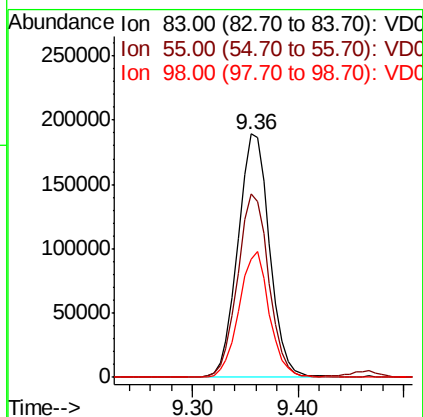
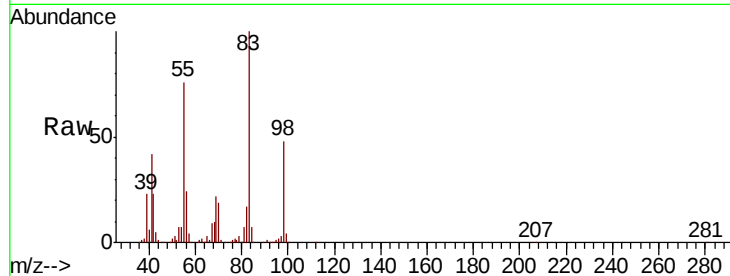




#39
Methylvlcvclohexane
Concen: 54.783 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

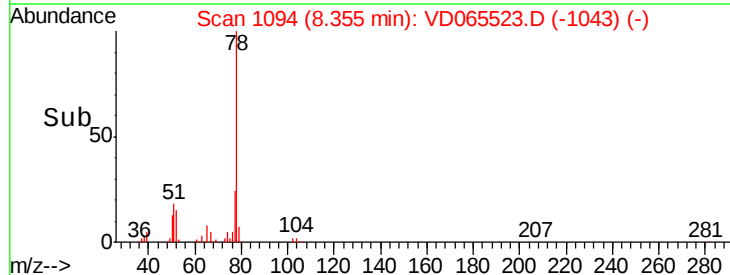
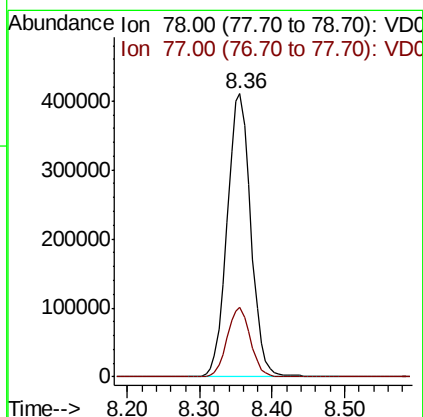
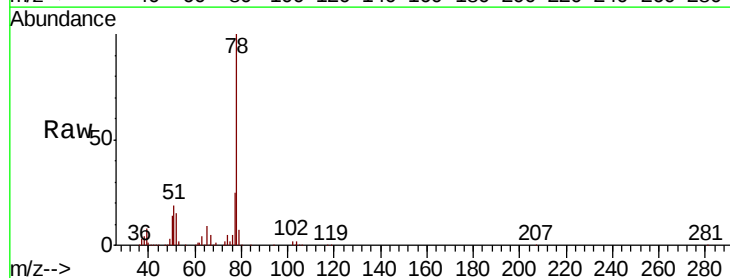
Instrument :
MSVOA_D
ClientSampled :

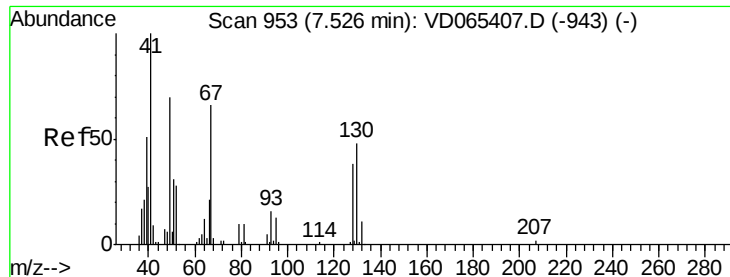
Tot Ion: 83 Resp: 394107
Ion Ratio Lower Upper
83 100
55 75.5 57.1 85.7
98 48.4 37.8 56.8



#40
Benzene
Concen: 55.838 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 78 Resp: 929896
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 62.936 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

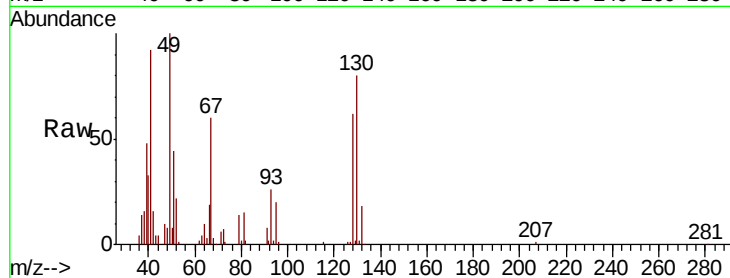
MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 76626

Ion Ratio Lower Upper

41	100		
39	61.0	55.0	82.6
67	72.7	70.3	105.5
52	29.4	30.7	46.1#



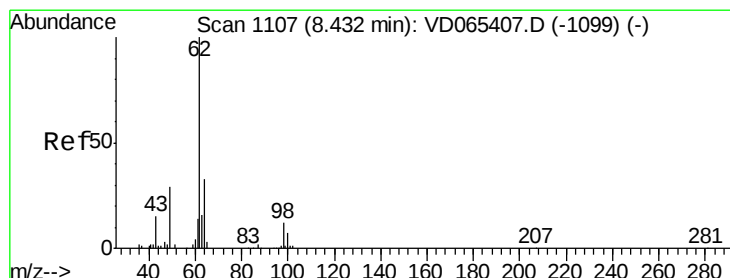
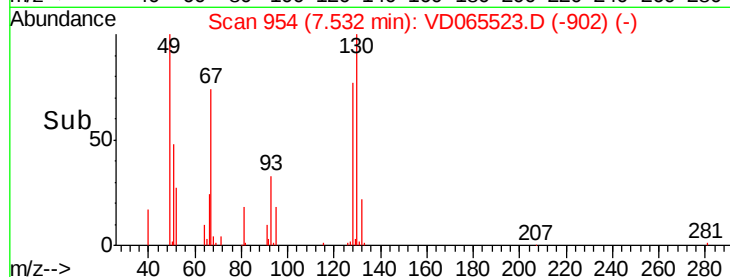
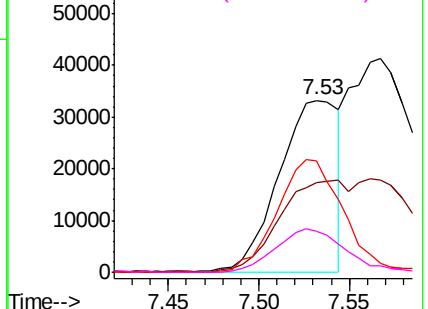
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 58.515 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

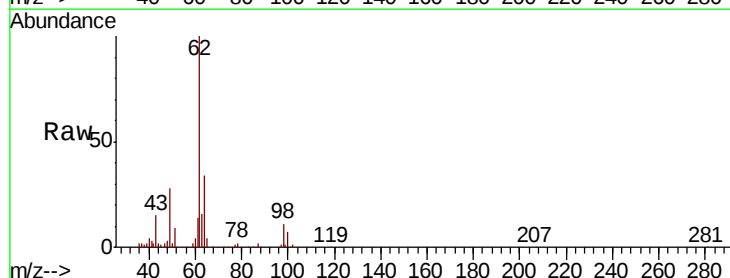
Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Tgt Ion: 62 Resp: 254464

Ion Ratio Lower Upper

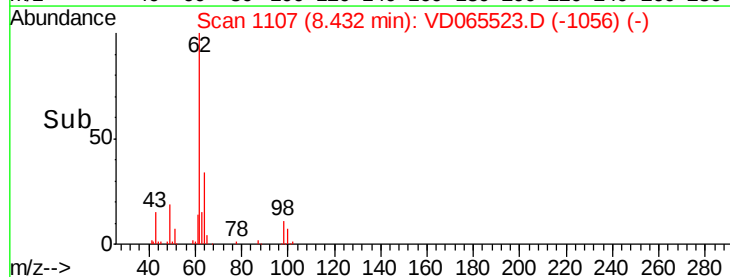
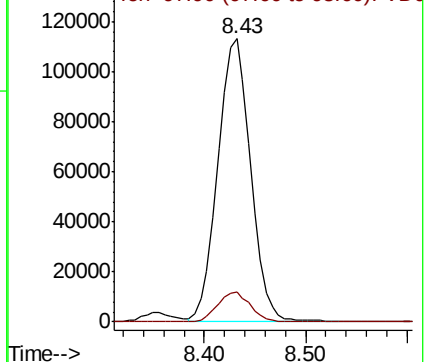
62	100		
98	10.5	0.0	21.4

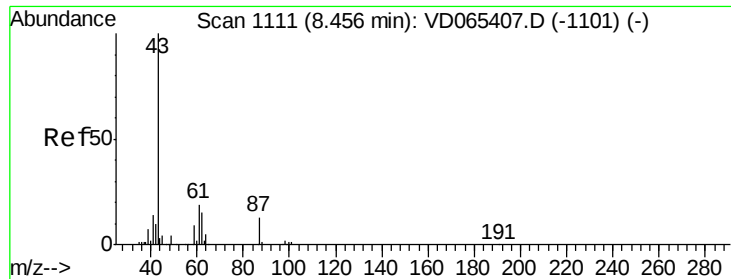


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.738 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

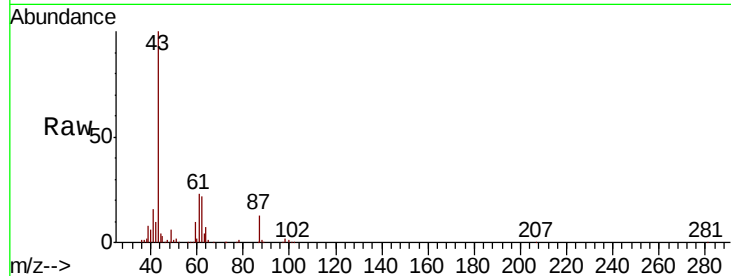
Tot Ion: 43 Resp: 241185

Ion Ratio Lower Upper

43 100

61 32.5 25.0 37.6

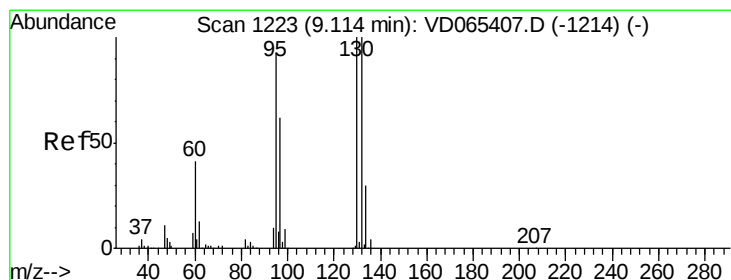
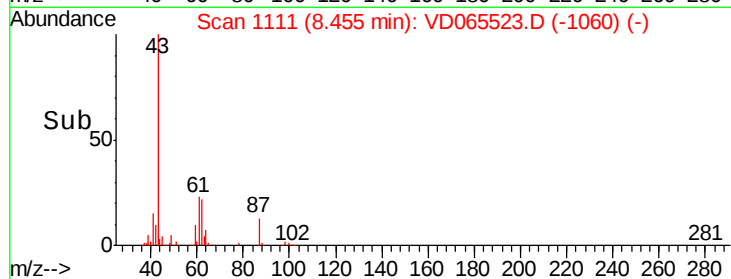
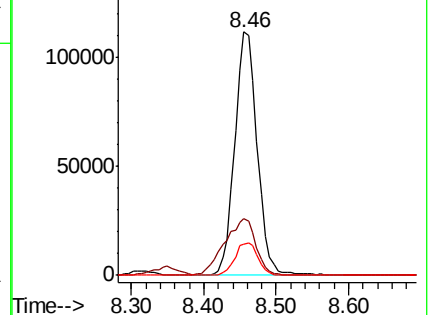
87 13.8 11.0 16.4



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: 56.325 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065523.D

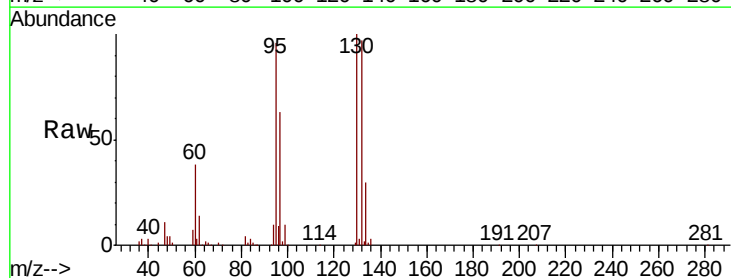
Acq: 24 Mar 2020 17:05

Tgt Ion:130 Resp: 264898

Ion Ratio Lower Upper

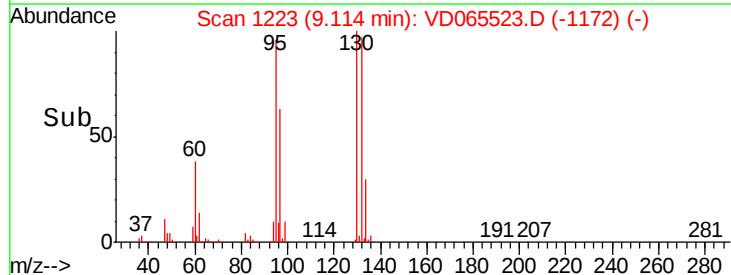
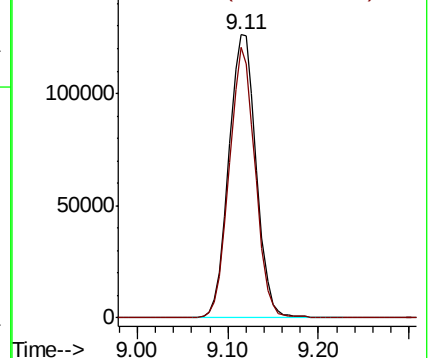
130 100

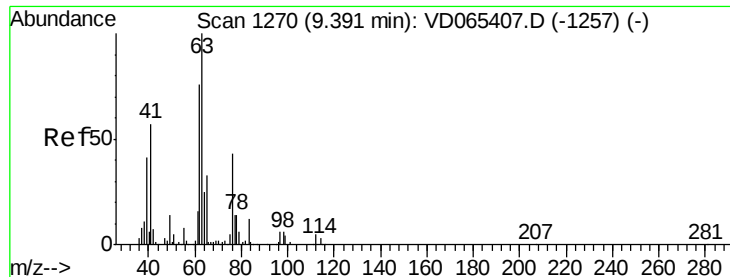
95 95.6 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.551 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

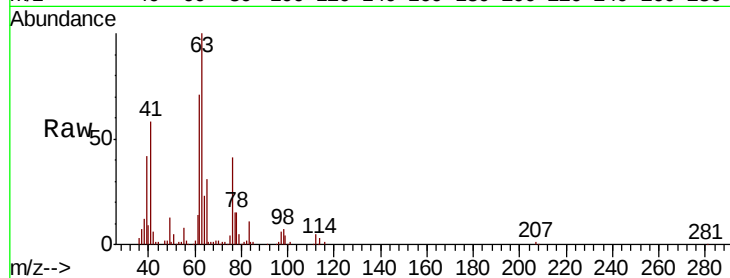
ClientSampleId :

Tot Ion: 63 Resp: 232164

Ion Ratio Lower Upper

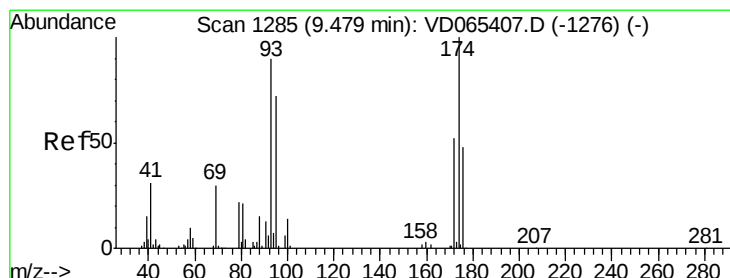
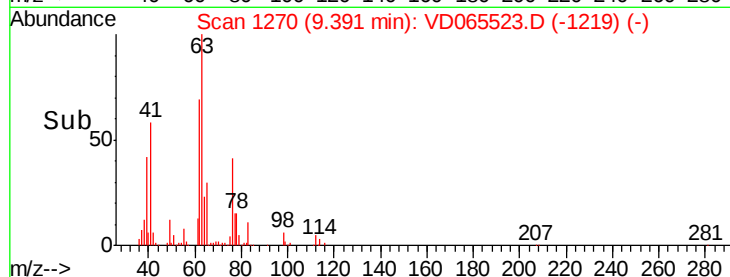
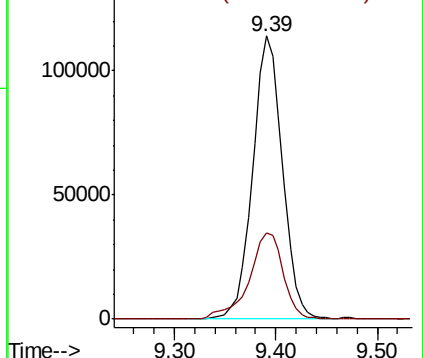
63 100

65 30.6 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 58.663 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

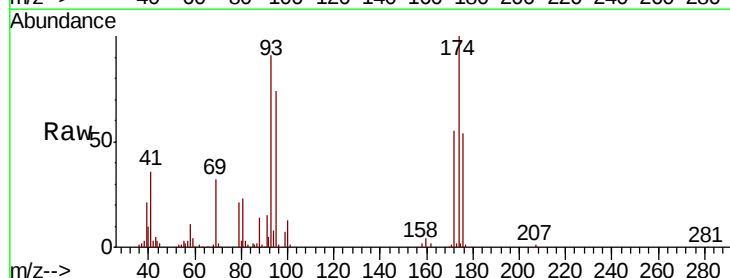
Tgt Ion: 93 Resp: 122751

Ion Ratio Lower Upper

93 100

95 81.7 65.0 97.6

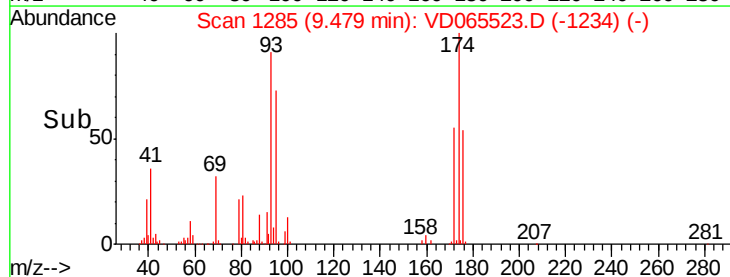
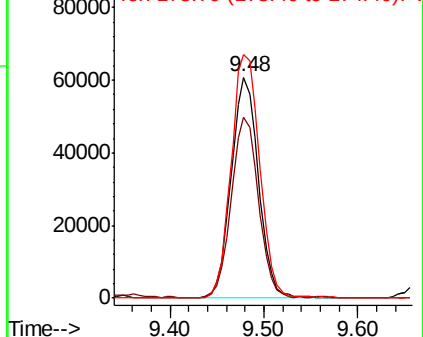
174 115.3 88.3 132.5

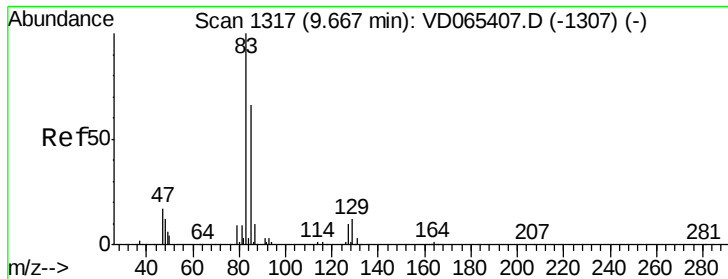


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.718 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

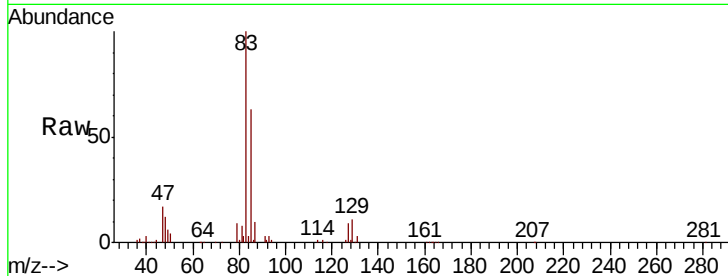
Tot Ion: 83 Resp: 319643

Ion Ratio Lower Upper

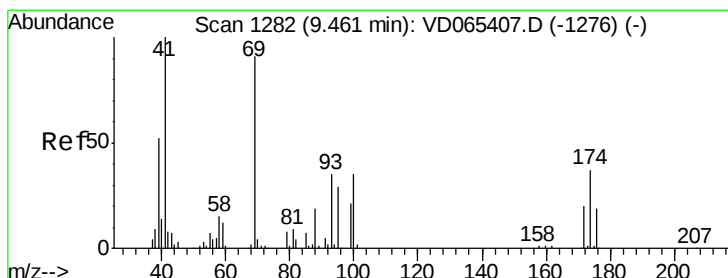
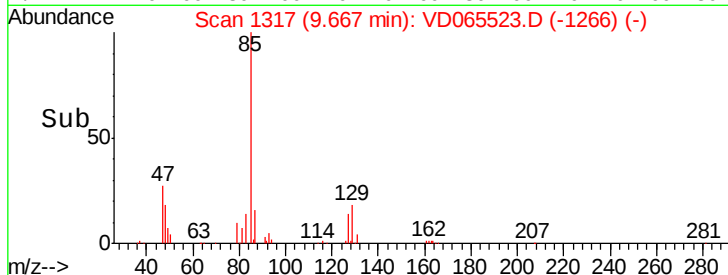
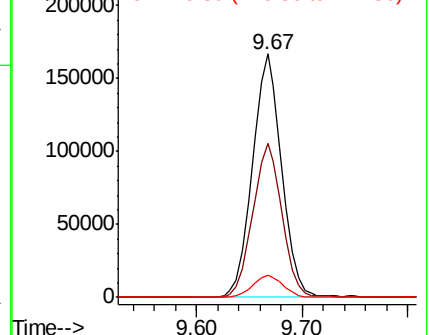
83 100

85 63.2 52.8 79.2

127 8.9 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: 57.028 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

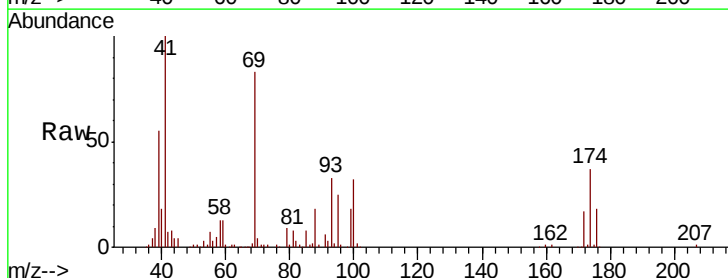
Tgt Ion: 41 Resp: 114031

Ion Ratio Lower Upper

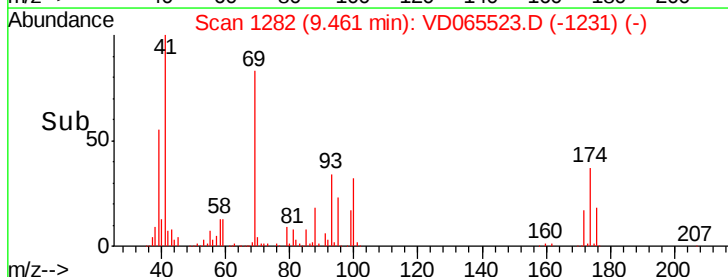
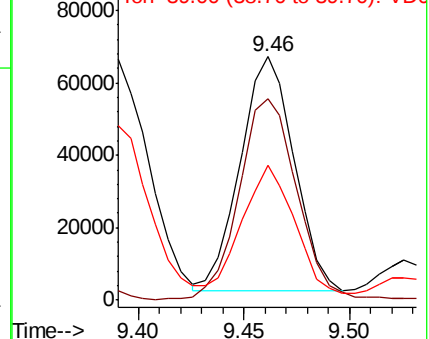
41 100

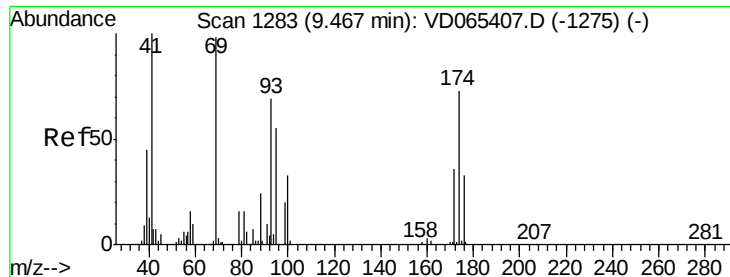
69 93.8 72.5 108.7

39 53.2 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: 1189.393 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampled :

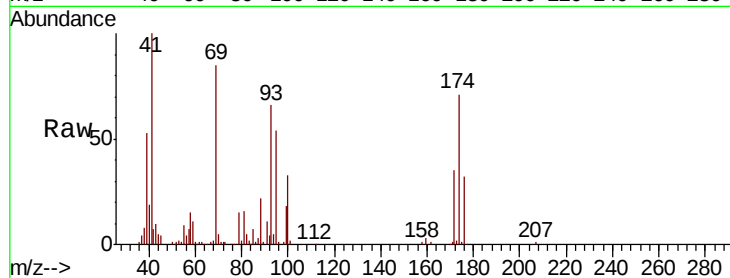
Tot Ion: 88 Resp: 28468

Ion Ratio Lower Upper

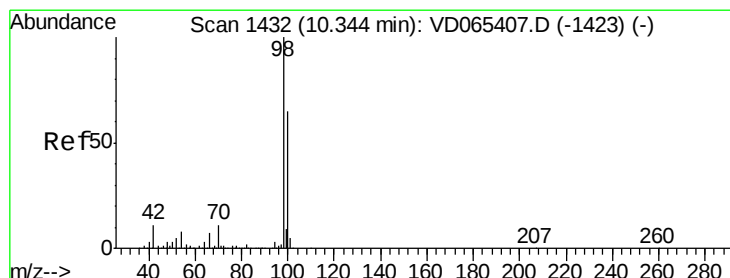
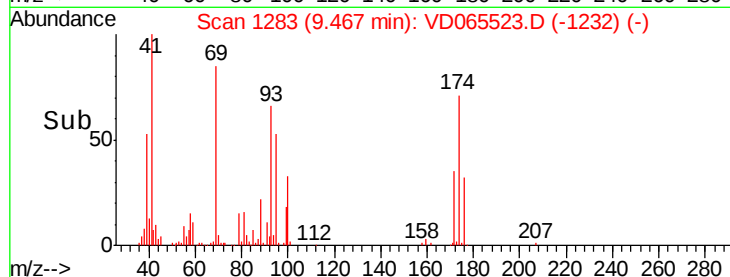
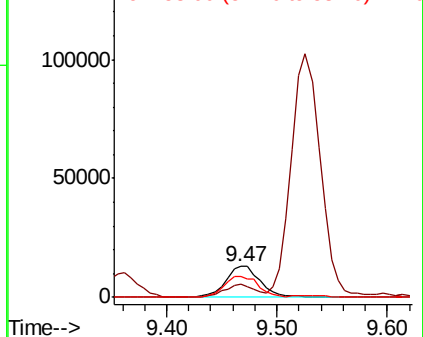
88 100

43 36.9 24.5 36.7#

58 68.1 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: 53.965 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065523.D

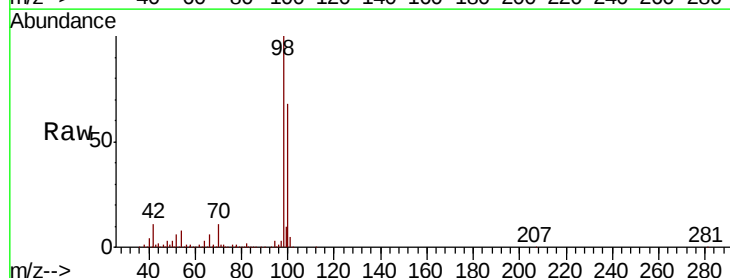
Acq: 24 Mar 2020 17:05

Tgt Ion: 98 Resp: 795547

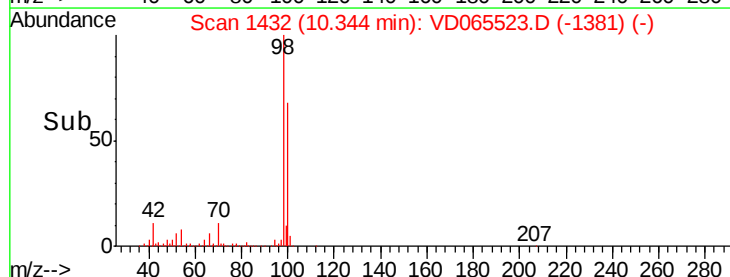
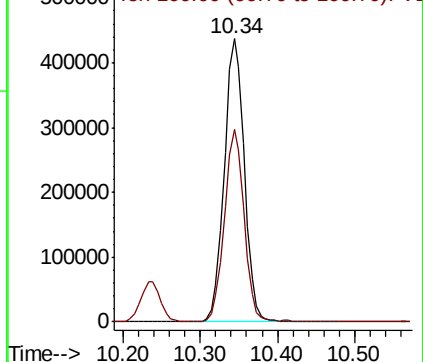
Ion Ratio Lower Upper

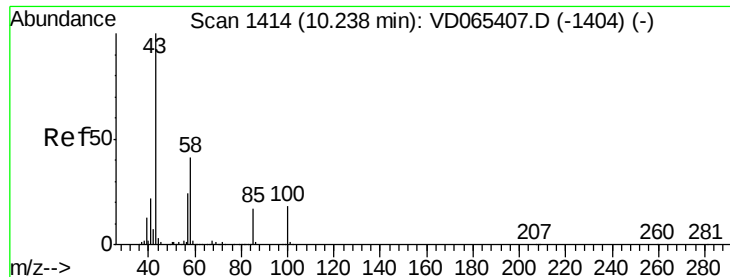
98 100

100 66.4 52.8 79.2



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

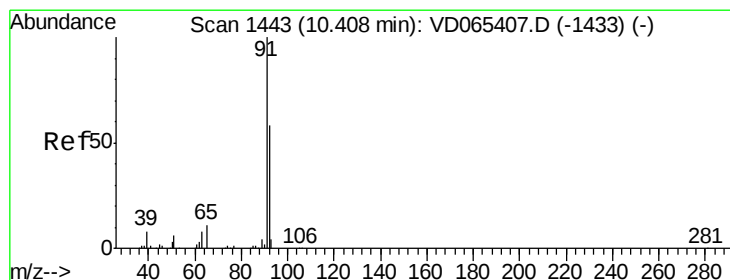
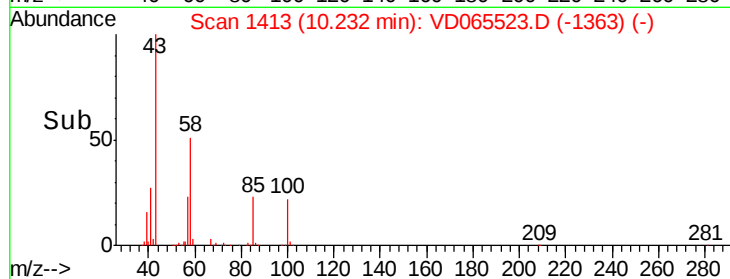
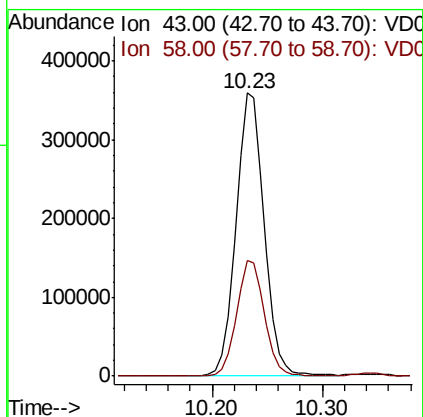
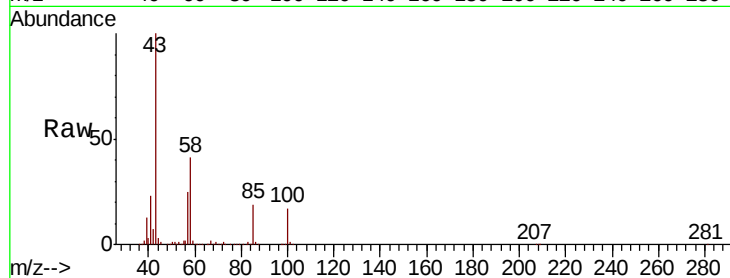




#51
4-Methyl-2-Pentanone
Concen: 300.693 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

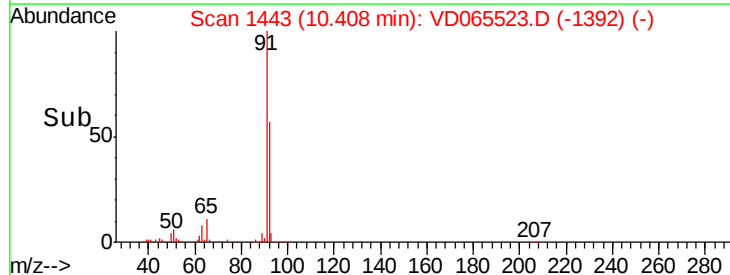
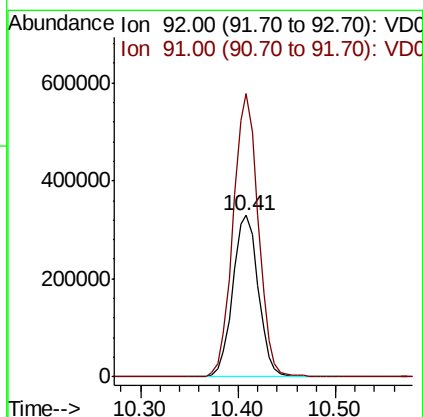
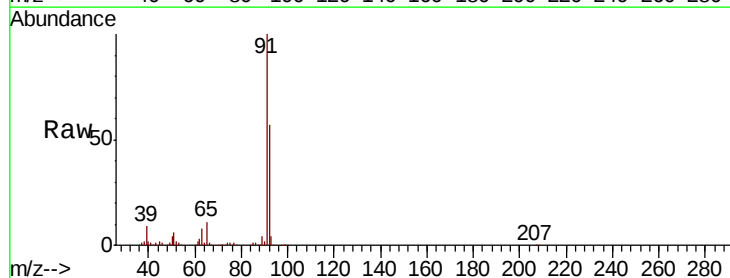
Instrument :
MSVOA_D
ClientSampled :

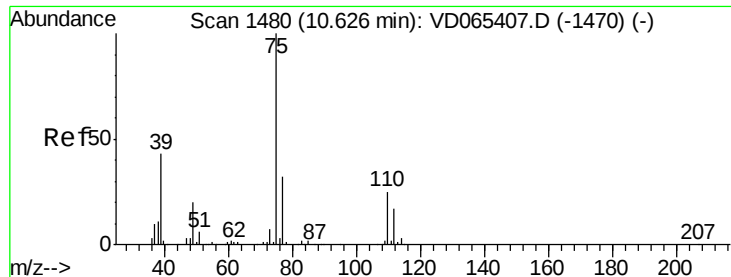
Tot Ion: 43 Resp: 643222
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.6



#52
Toluene
Concen: 57.275 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 92 Resp: 600887
Ion Ratio Lower Upper
92 100
91 172.4 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 58.922 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

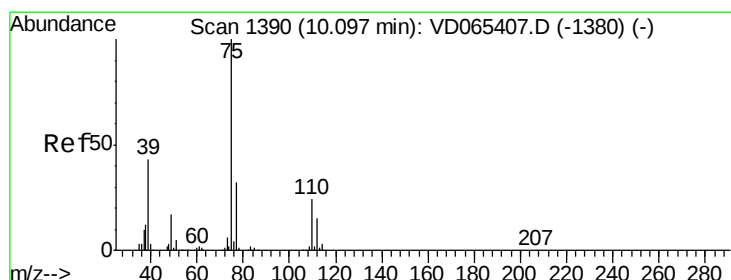
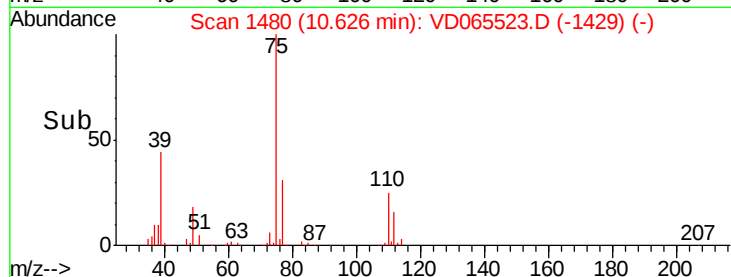
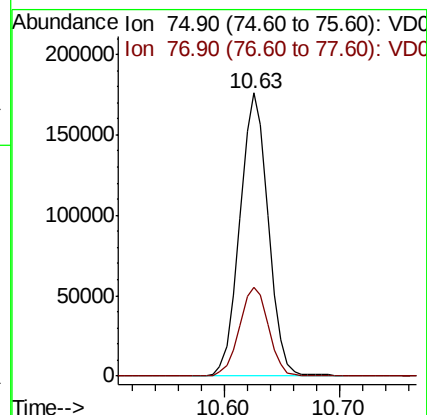
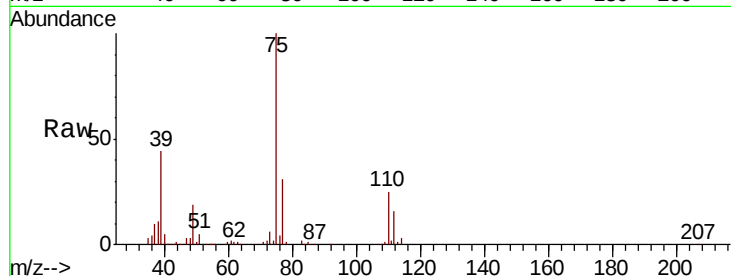
ClientSampleId :

Tot Ion: 75 Resp: 299747

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 59.245 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

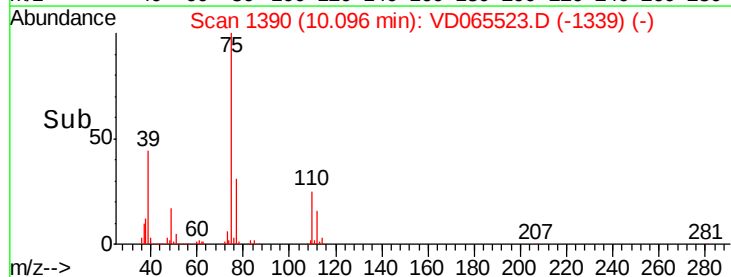
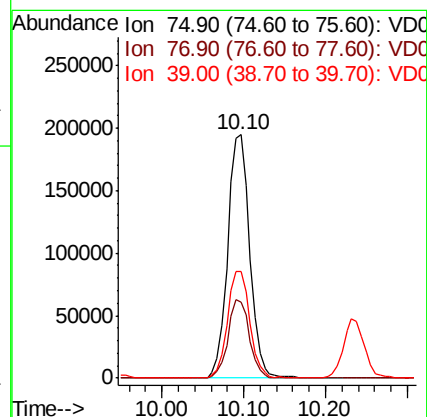
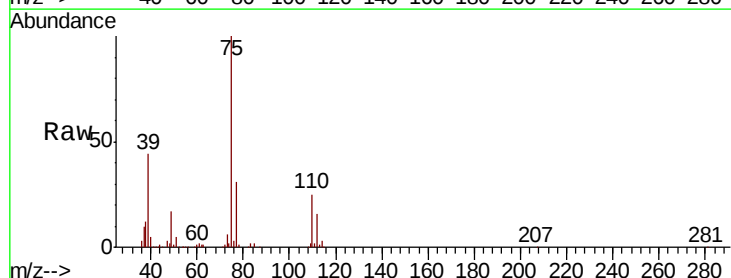
Tgt Ion: 75 Resp: 364814

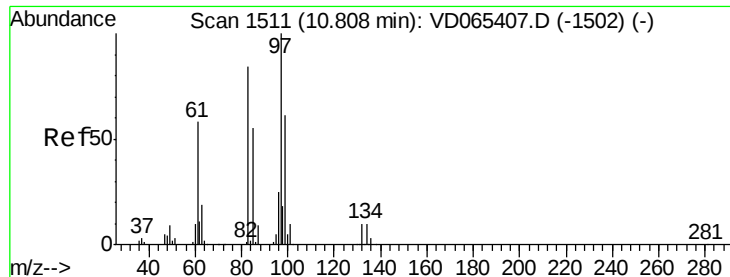
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 44.0 34.6 52.0

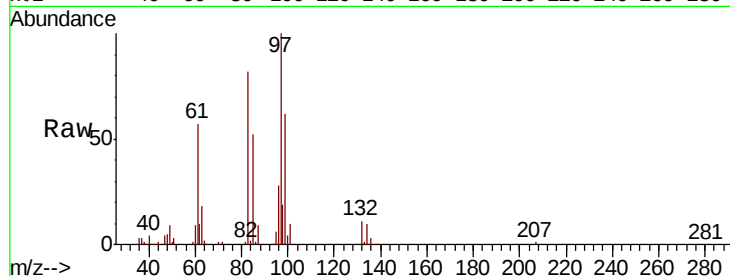




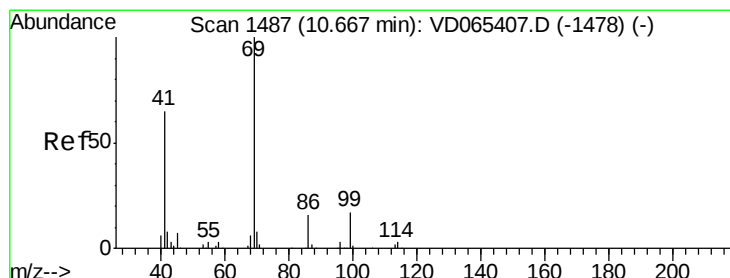
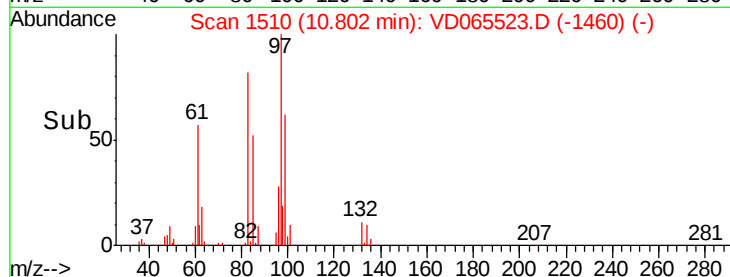
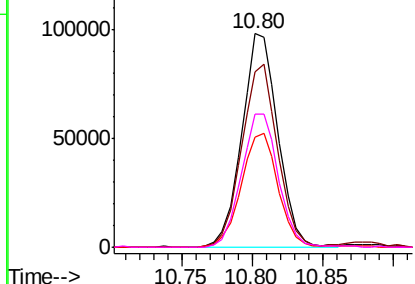
#55
1,1,2-Trichloroethane
Concen: 58.975 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.0
85	51.8	43.8	65.8
99	62.3	48.8	73.2

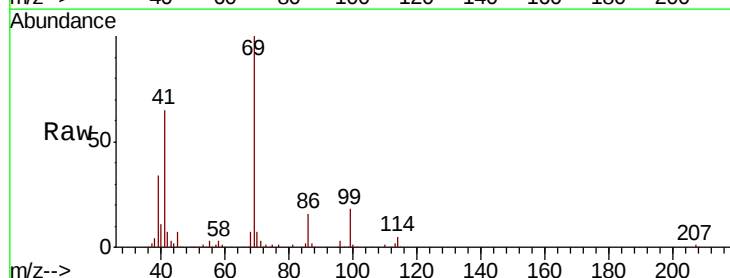


Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 98.90 (98.60 to 99.60): VDC

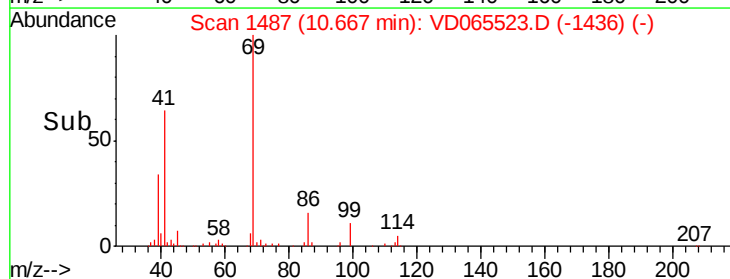
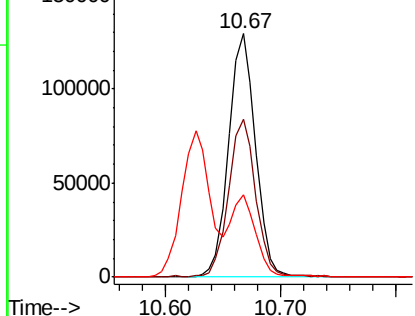


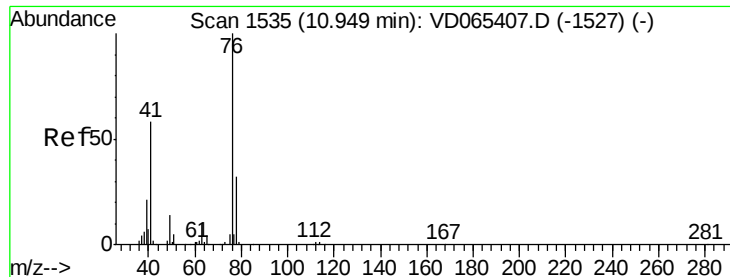
#56
Ethyl methacrylate
Concen: 62.719 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.0	79.6
39	30.8	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: 58.913 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

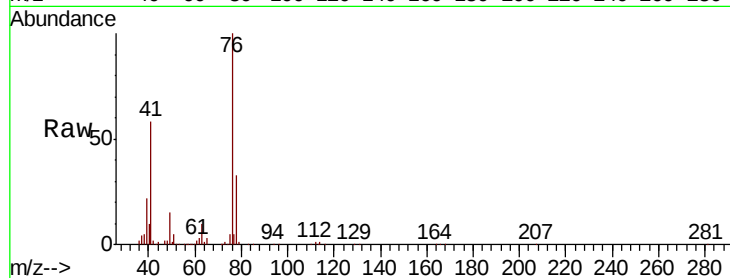
ClientSampleId :

Tot Ion: 76 Resp: 295418

Ion Ratio Lower Upper

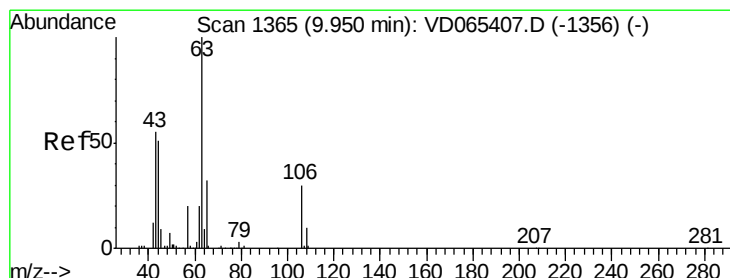
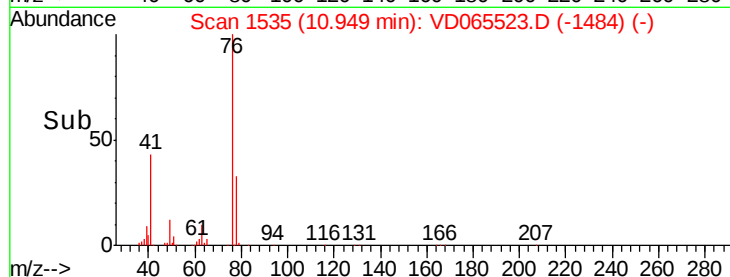
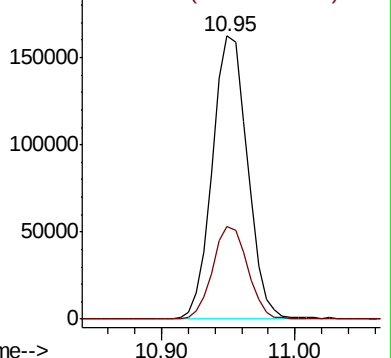
76 100

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: 250.500 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065523.D

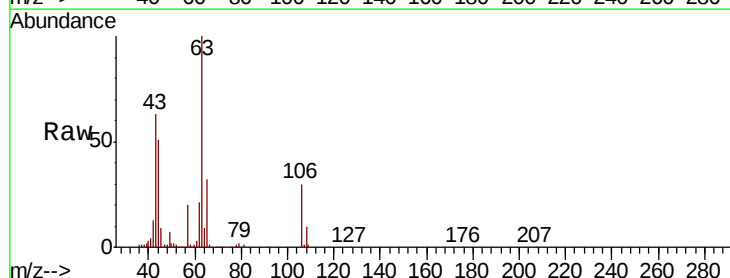
Acq: 24 Mar 2020 17:05

Tgt Ion: 63 Resp: 261583

Ion Ratio Lower Upper

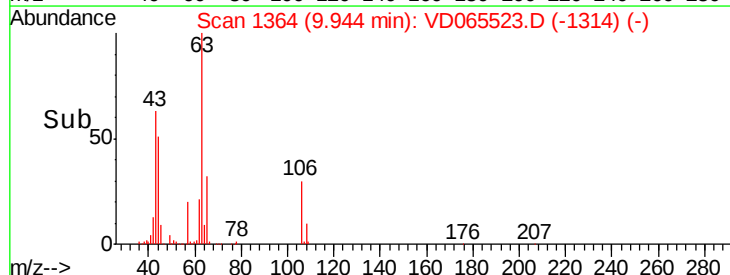
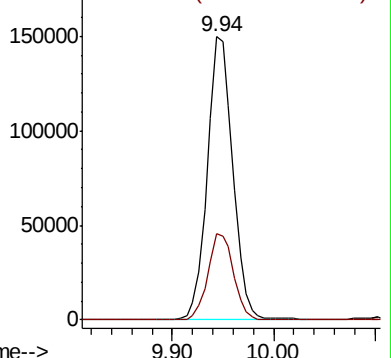
63 100

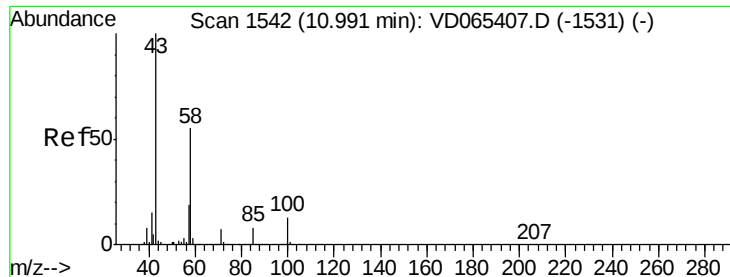
106 30.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

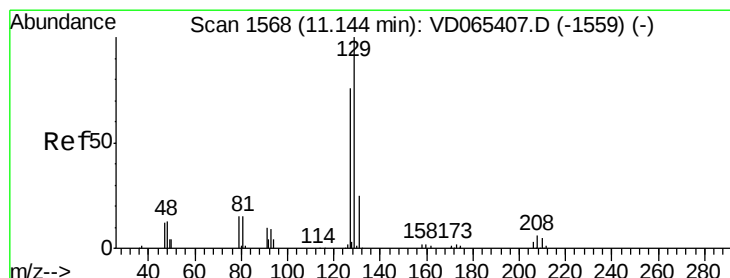
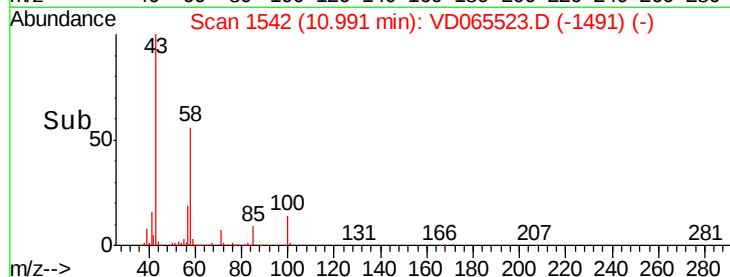
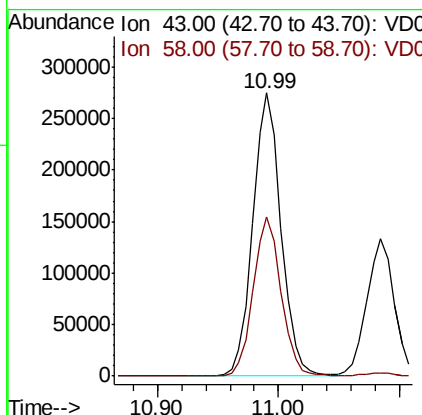
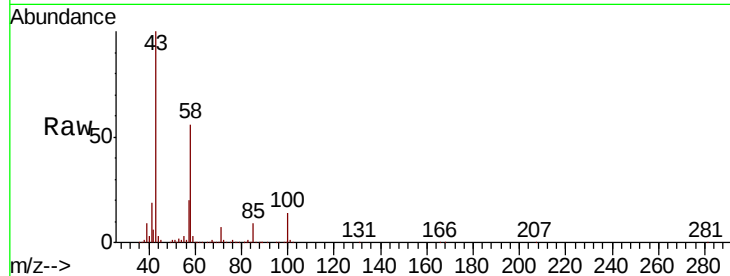




#59
2-Hexanone
Concen: 302.725 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

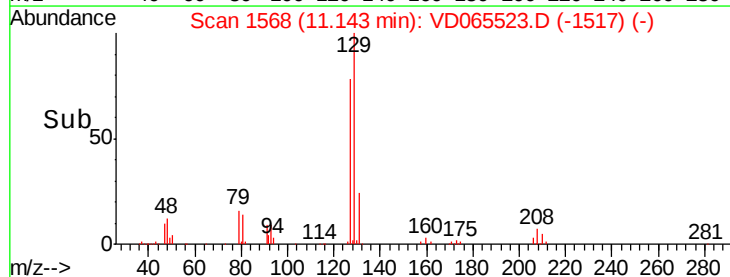
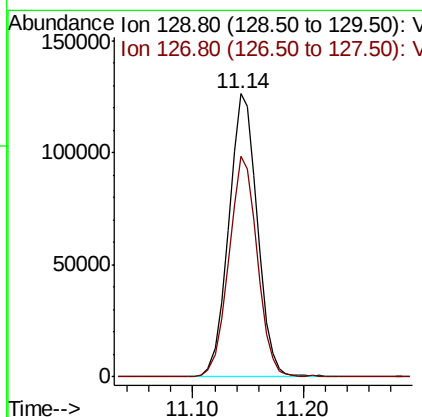
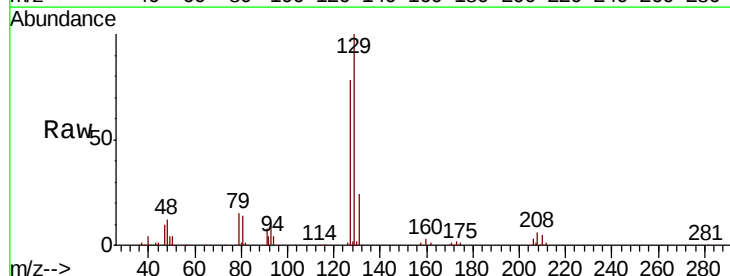
Instrument :
MSVOA_D
ClientSampleId :

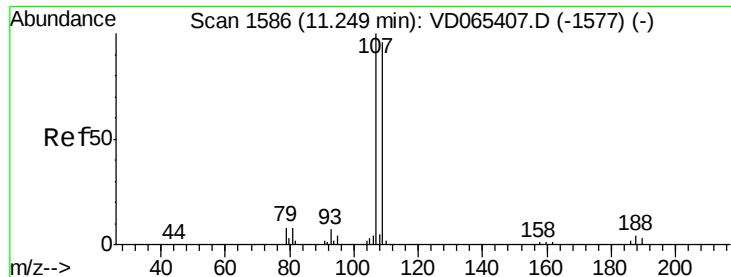
Tot Ion: 43 Resp: 448273
Ion Ratio Lower Upper
43 100
58 55.5 27.4 82.2



#60
Dibromochloromethane
Concen: 60.599 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 129 Resp: 230210
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

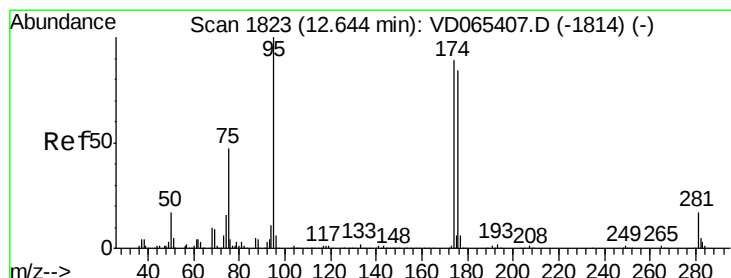
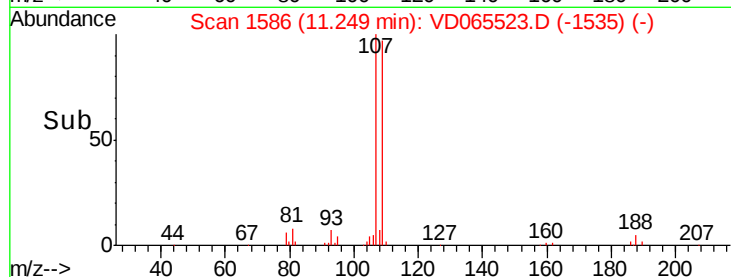
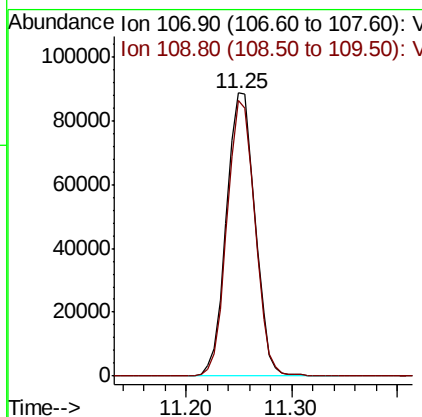
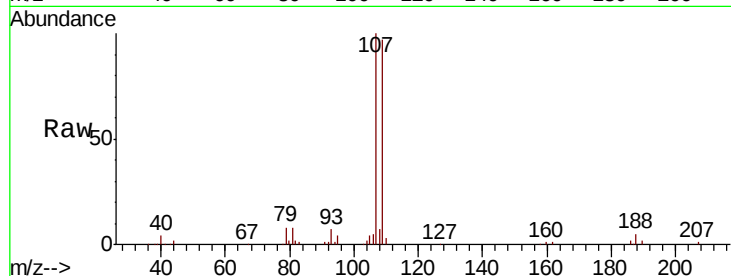




#61
1,2-Dibromoethane
Concen: 58.924 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

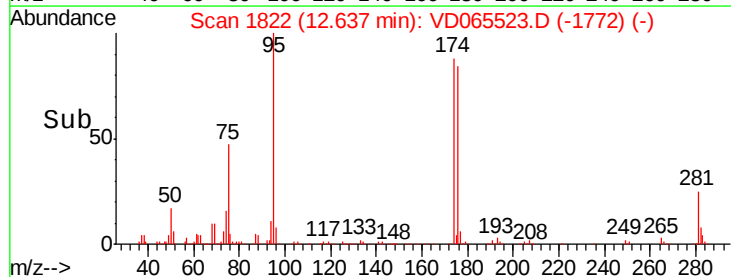
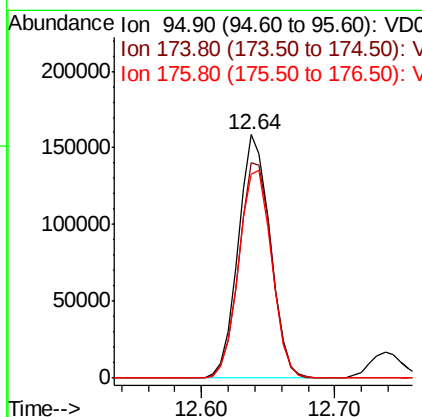
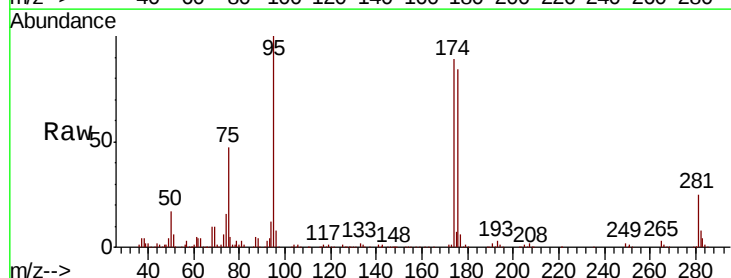
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:107 Resp: 166570
Ion Ratio Lower Upper
107 100
109 94.9 76.8 115.2



#62
4-Bromofluorobenzene
Concen: 57.532 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 95 Resp: 261823
Ion Ratio Lower Upper
95 100
174 90.8 0.0 176.8
176 88.2 0.0 171.4

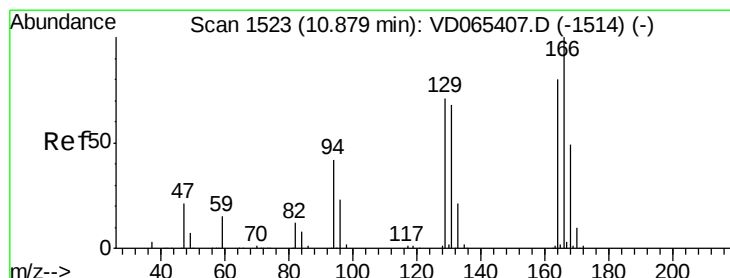
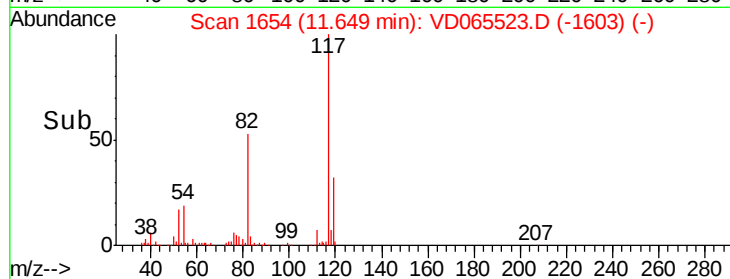
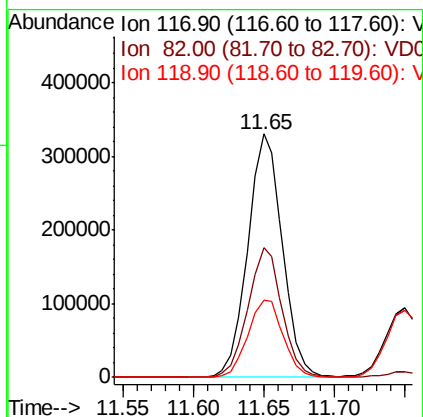
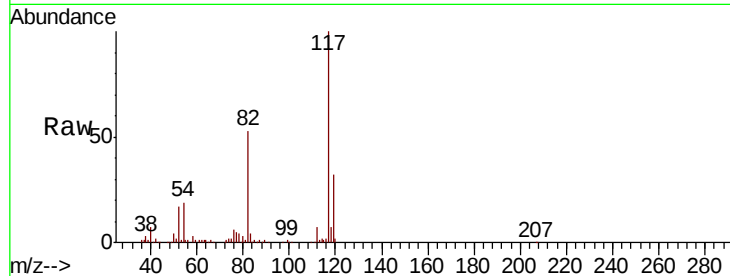




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

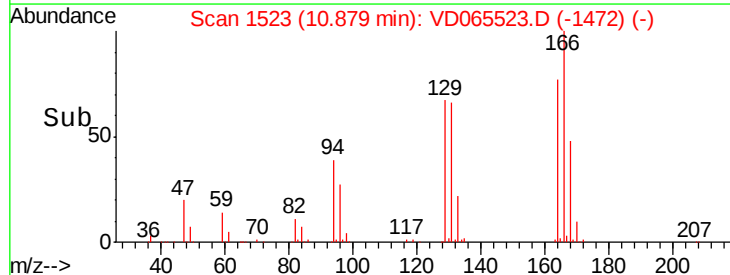
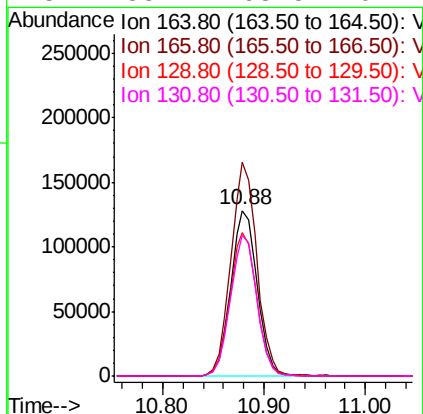
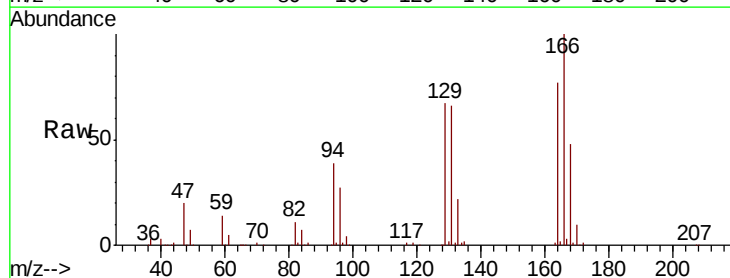
Instrument :
MSVOA_D
ClientSampled :

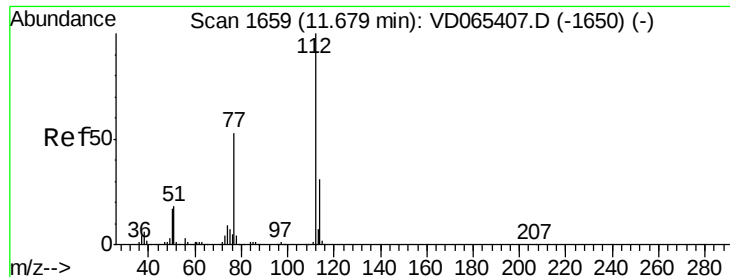
Tot Ion:117 Resp: 567693
Ion Ratio Lower Upper
117 100
82 53.1 40.6 60.8
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 56.904 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion:164 Resp: 231478
Ion Ratio Lower Upper
164 100
166 129.3 100.5 150.7
129 86.7 71.5 107.3
131 85.1 68.5 102.7

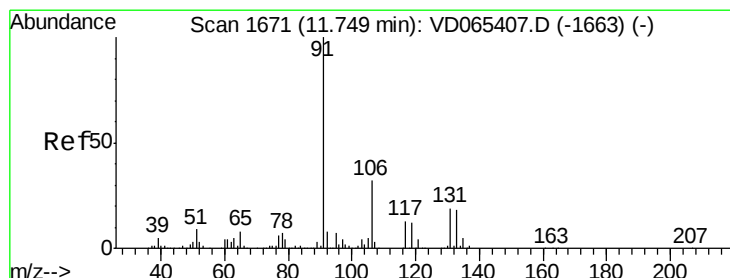
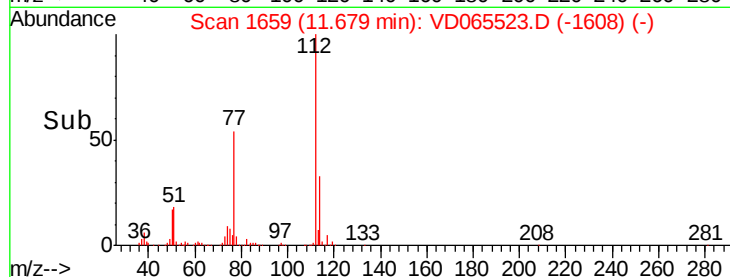
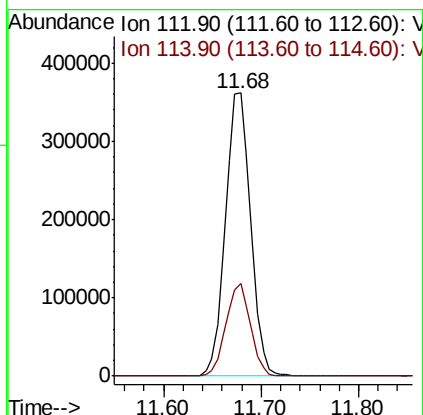
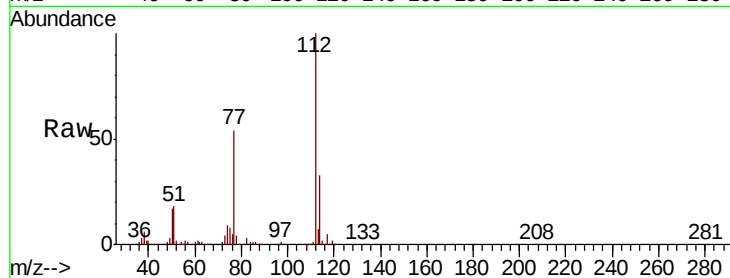




#65
Chlorobenzene
Concen: 57.598 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

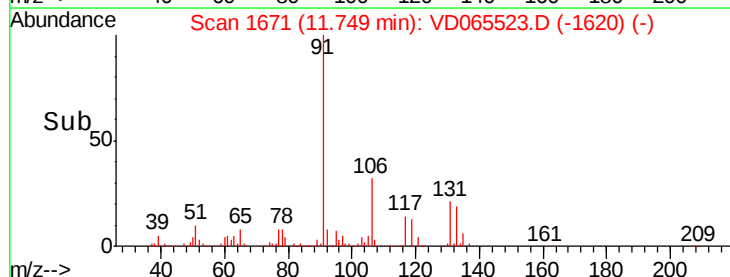
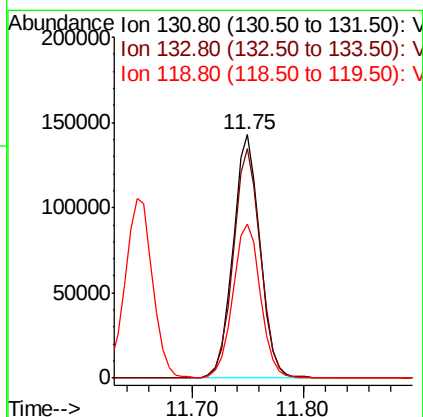
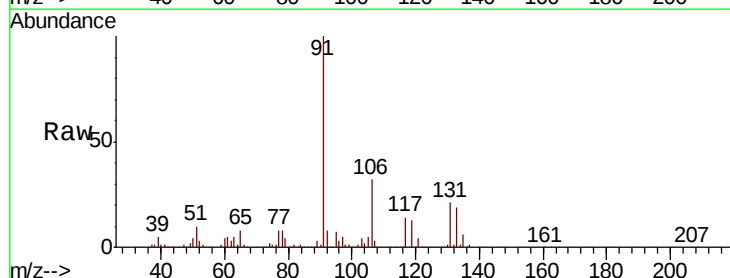
Instrument :
MSVOA_D
ClientSampled :

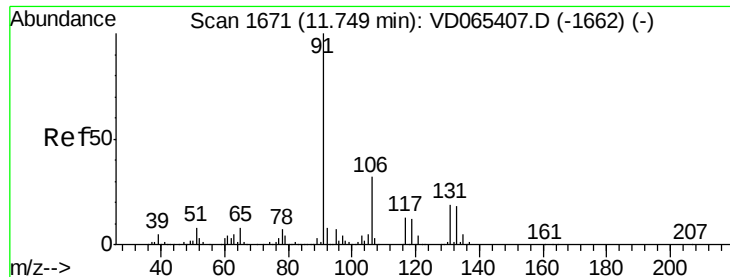
Tot Ion:112 Resp: 647063
Ion Ratio Lower Upper
112 100
114 32.7 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 59.792 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion:131 Resp: 244636
Ion Ratio Lower Upper
131 100
133 95.5 49.2 147.6
119 65.1 33.3 99.8





#67

Ethyl Benzene

Concen: 58.236 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

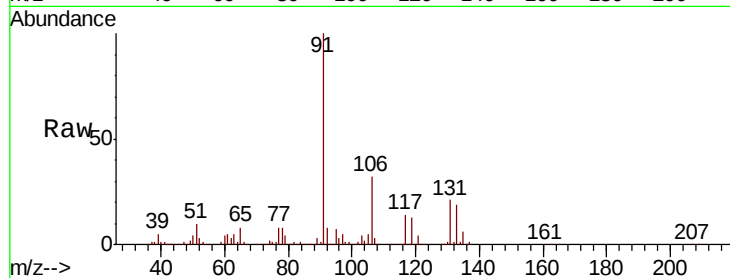
ClientSampleId :

Tot Ion: 91 Resp: 1130433

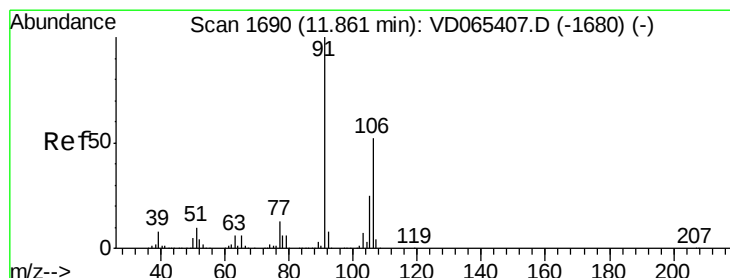
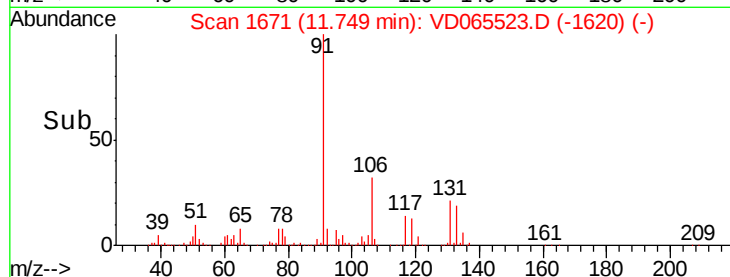
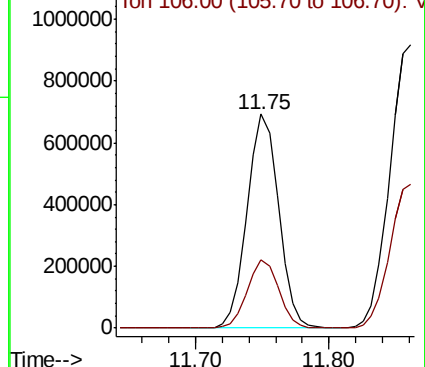
Ion Ratio Lower Upper

91 100

106 31.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 118.514 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065523.D

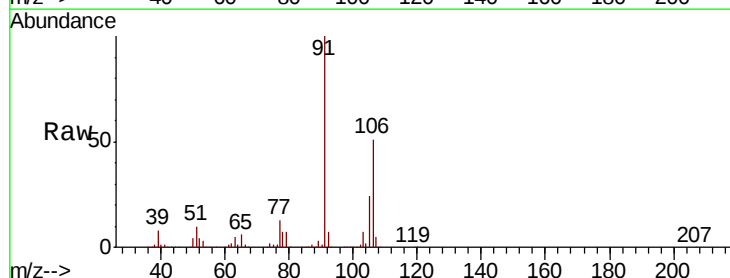
Acq: 24 Mar 2020 17:05

Tgt Ion: 106 Resp: 887038

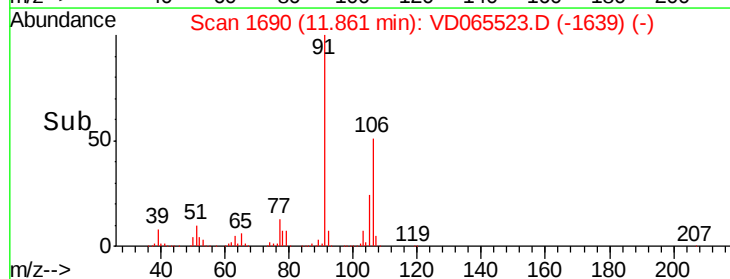
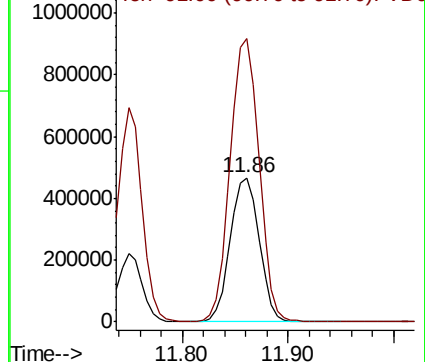
Ion Ratio Lower Upper

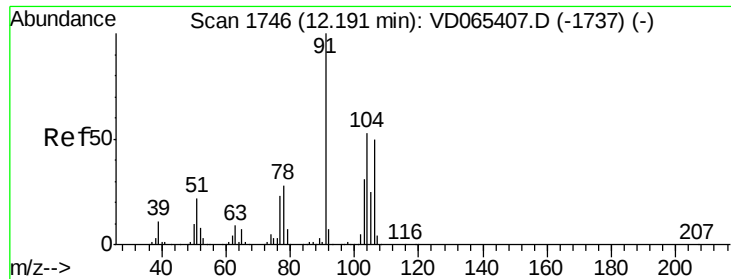
106 100

91 196.1 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

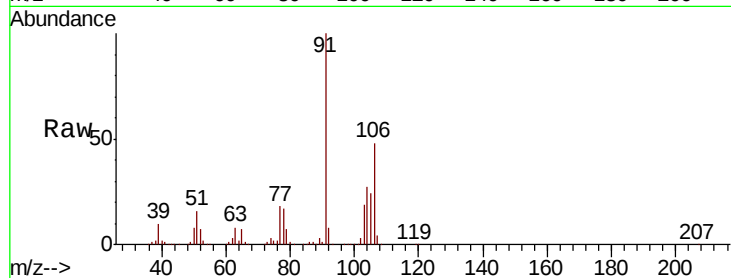




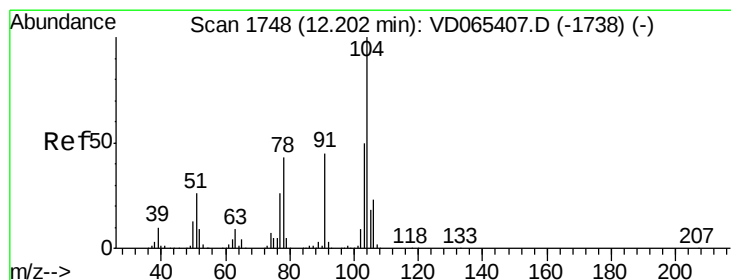
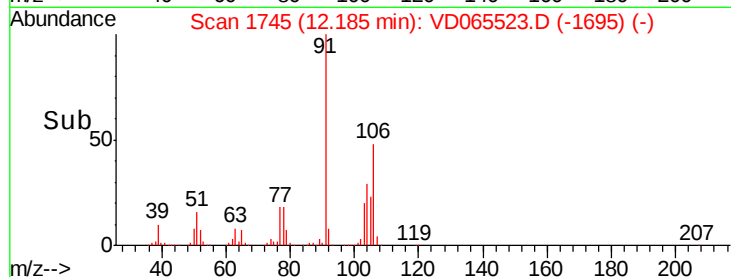
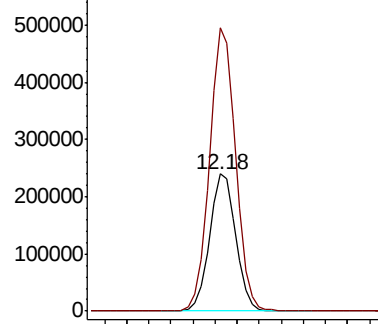
#69
o-Xylene
Concen: 60.491 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 398263
Ion Ratio Lower Upper
106 100
91 205.7 103.5 310.3

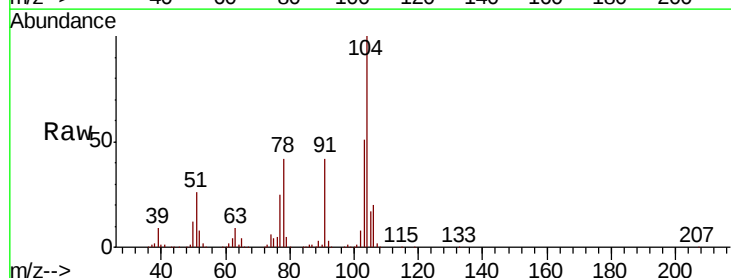


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

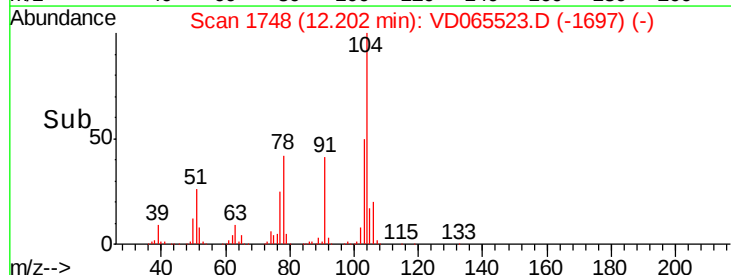
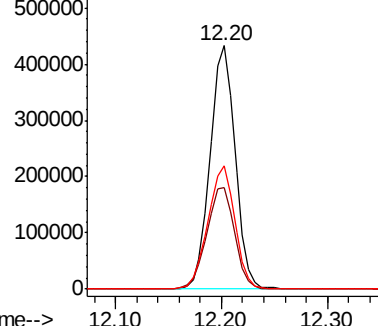


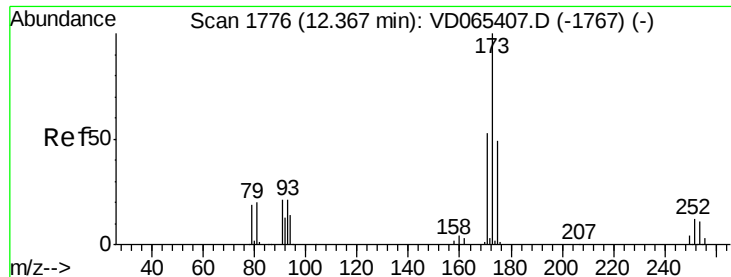
#70
Styrene
Concen: 61.260 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion:104 Resp: 709831
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.4 43.6 65.4



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





#71

Bromoform

Concen: 60.054 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

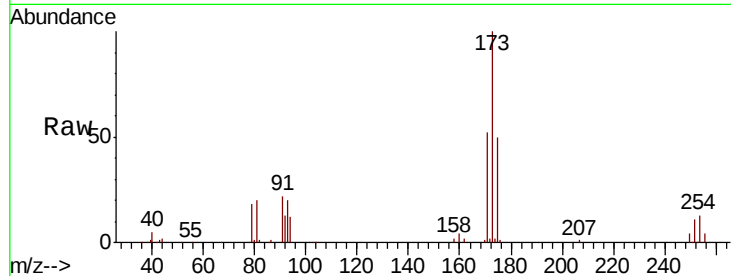
Tot Ion:173 Resp: 138015

Ion Ratio Lower Upper

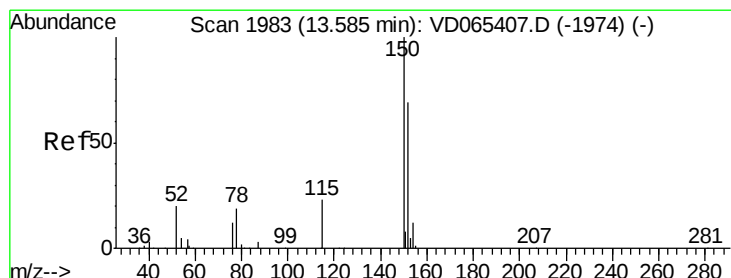
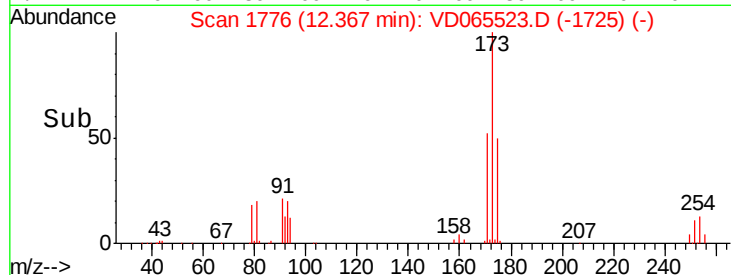
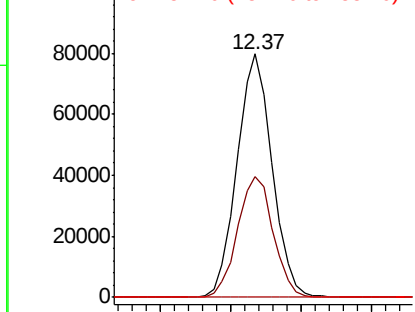
173 100

175 50.6 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: VD065523.D

Acq: 24 Mar 2020 17:05

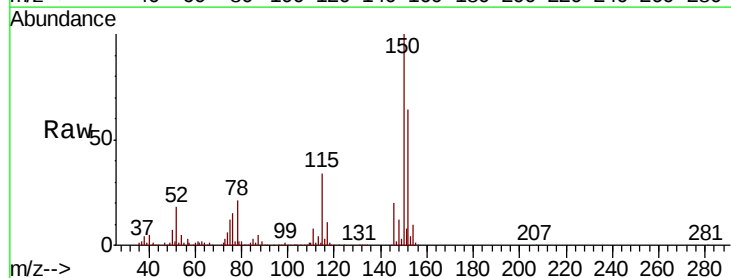
Tgt Ion:152 Resp: 293505

Ion Ratio Lower Upper

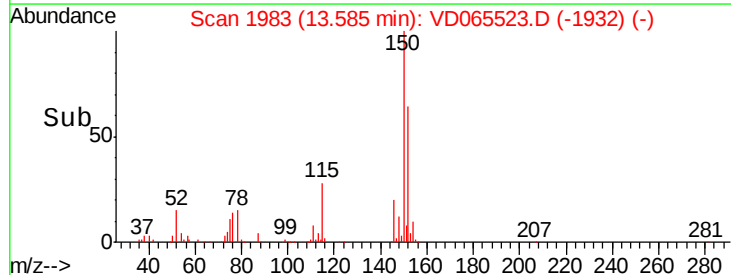
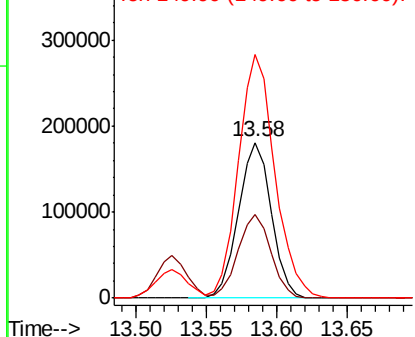
152 100

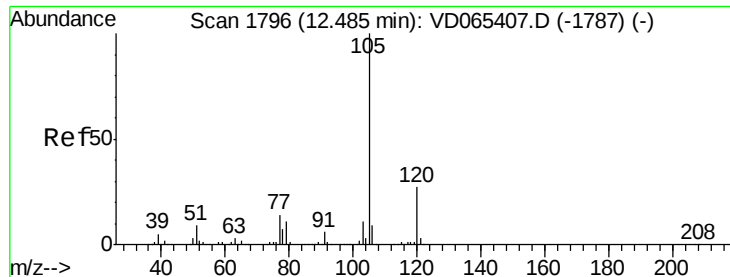
115 53.7 27.6 82.8

150 173.4 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: 56.369 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

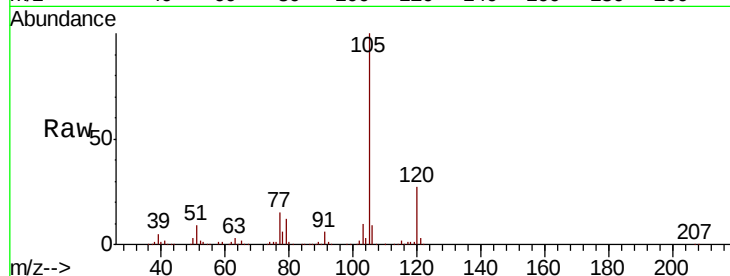
ClientSampleId :

Tot Ion:105 Resp: 1088213

Ion Ratio Lower Upper

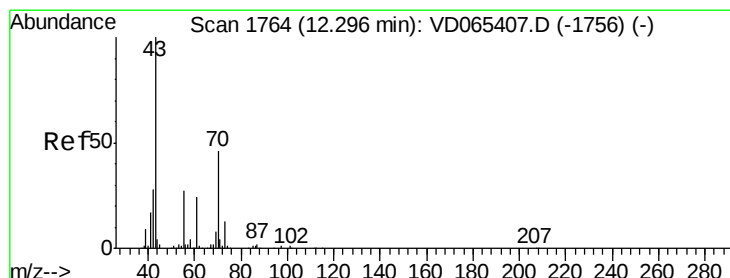
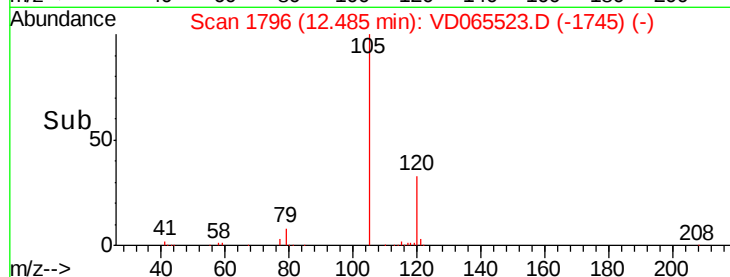
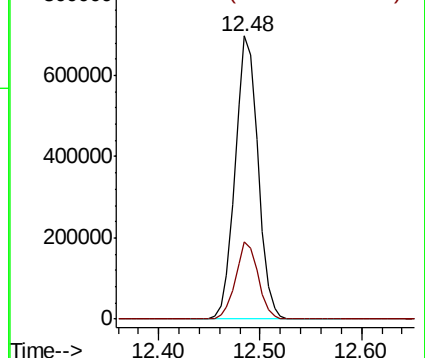
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.559 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Tgt Ion: 43 Resp: 223533

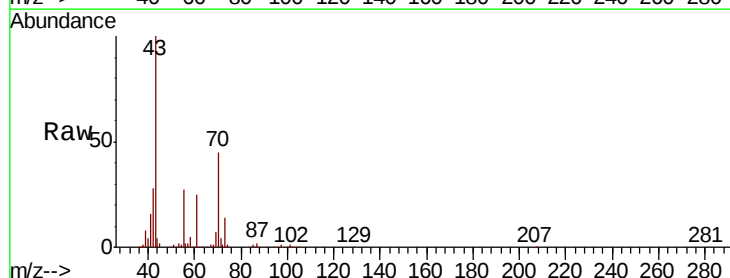
Ion Ratio Lower Upper

43 100

70 44.7 36.1 54.1

55 28.3 21.6 32.4

61 24.2 19.6 29.4

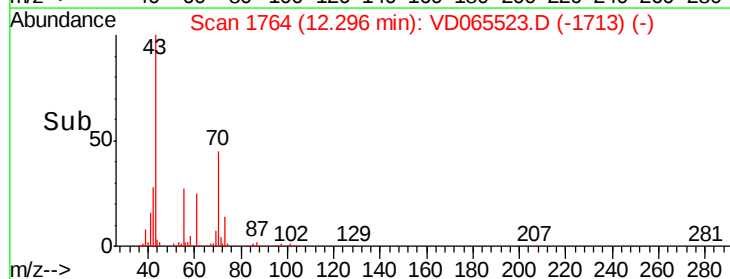
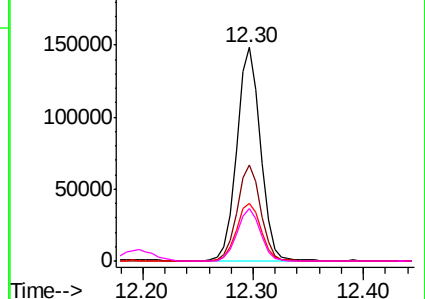


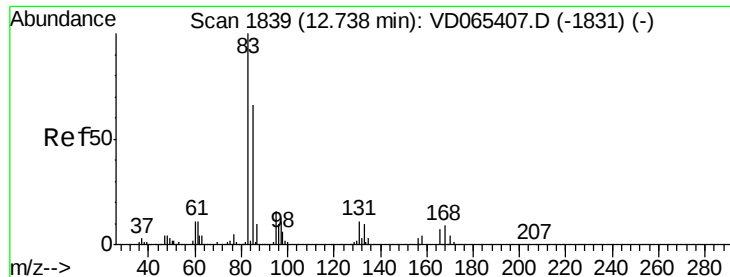
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.081 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065523.D

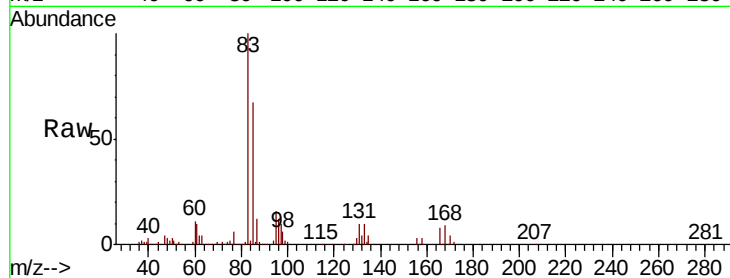
Acq: 24 Mar 2020 17:05

Instrument :

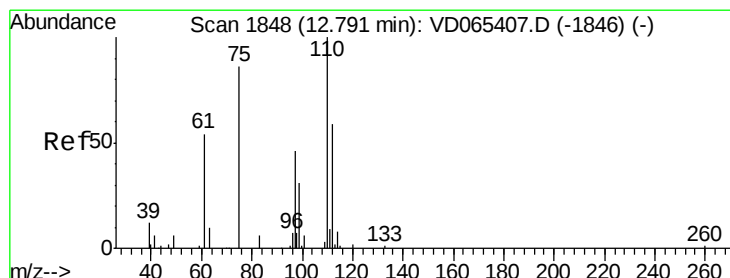
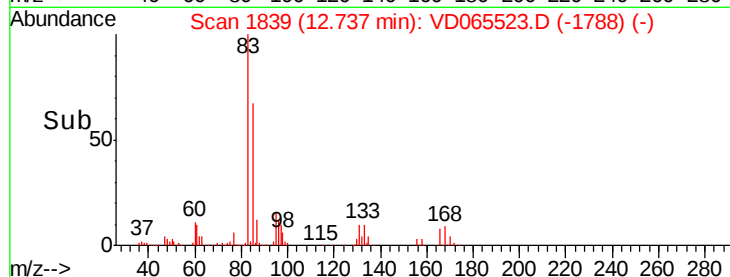
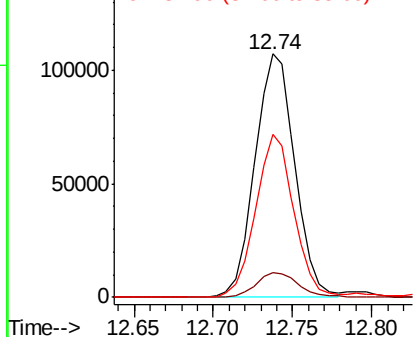
MSVOA_D

ClientSampleId :

Tot Ion:	83	Resp:	186912
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.0	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: 103.584 ug/l

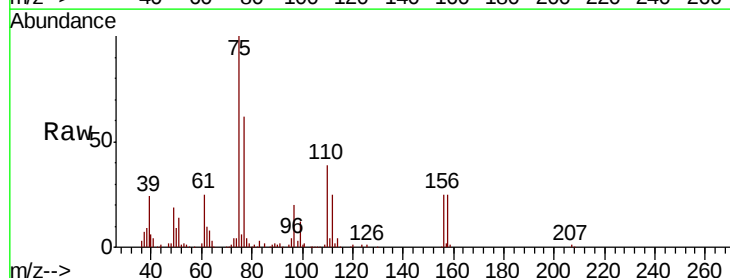
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

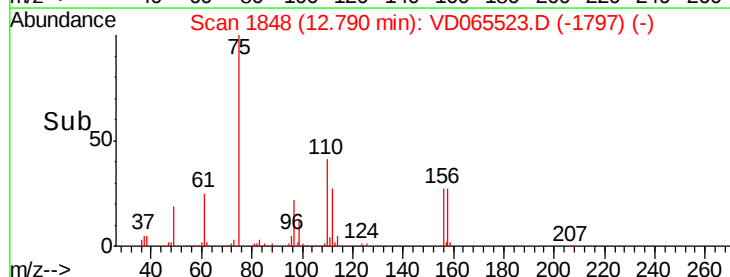
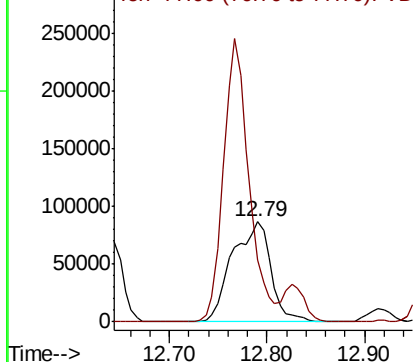
Lab File: VD065523.D

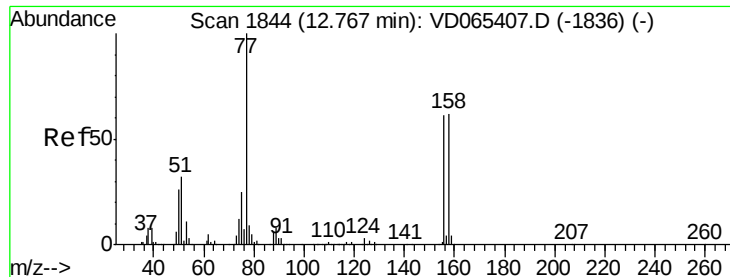
Acq: 24 Mar 2020 17:05

Tgt Ion:	75	Resp:	239899
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: 57.395 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

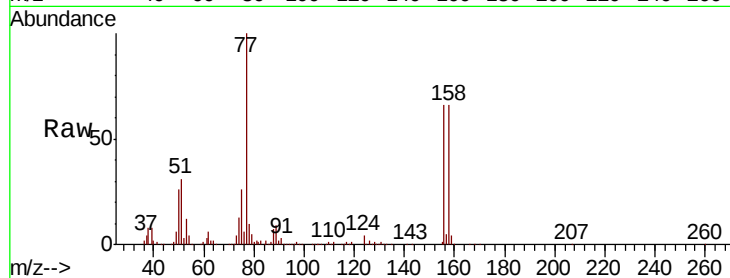
Tot Ion:156 Resp: 275290

Ion Ratio Lower Upper

156 100

77 161.0 84.9 254.6

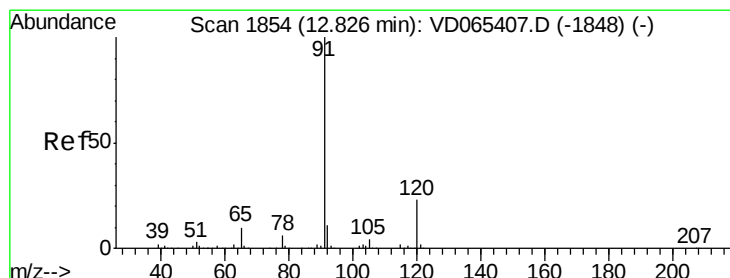
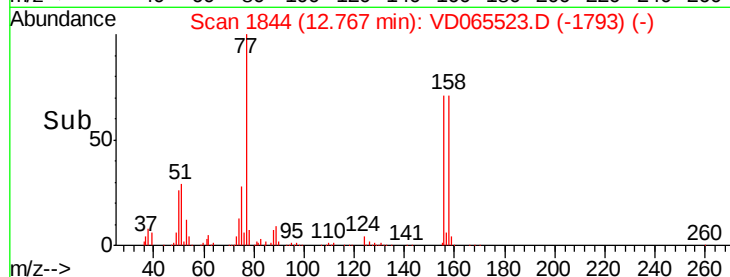
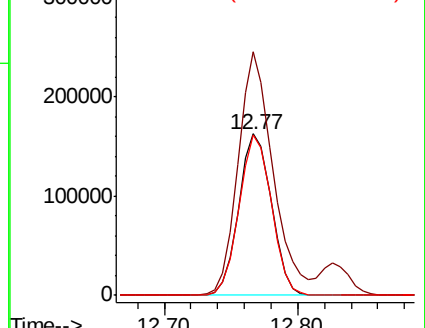
158 98.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.287 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065523.D

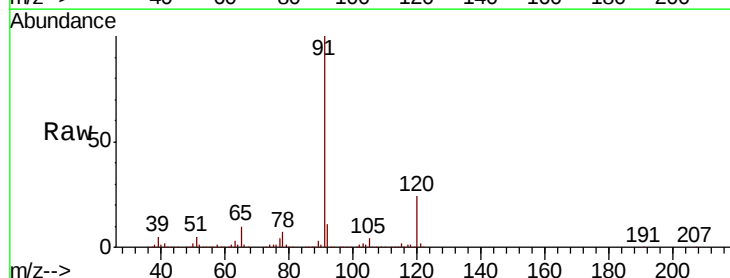
Acq: 24 Mar 2020 17:05

Tgt Ion: 91 Resp: 1289286

Ion Ratio Lower Upper

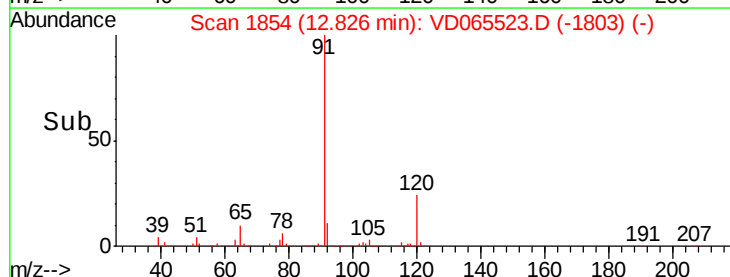
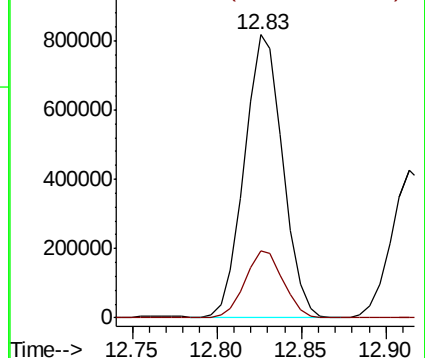
91 100

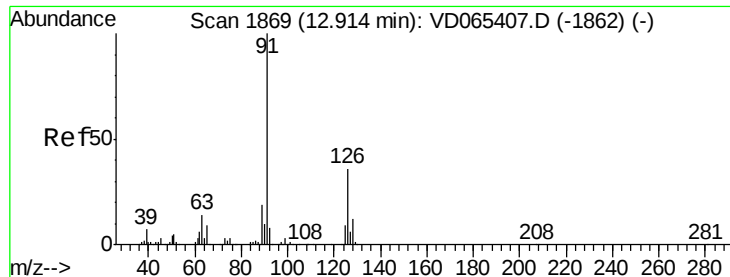
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

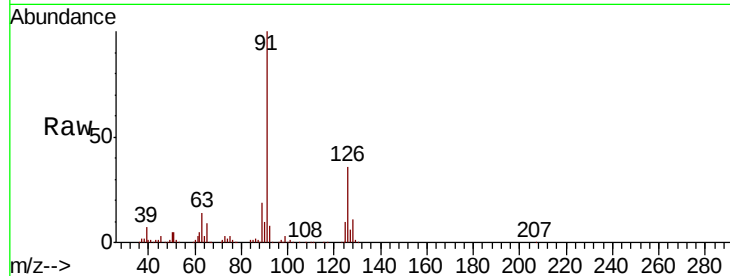




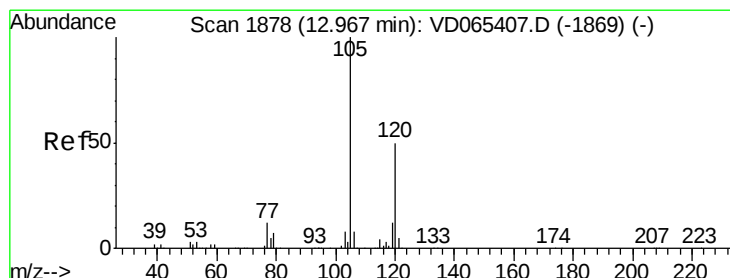
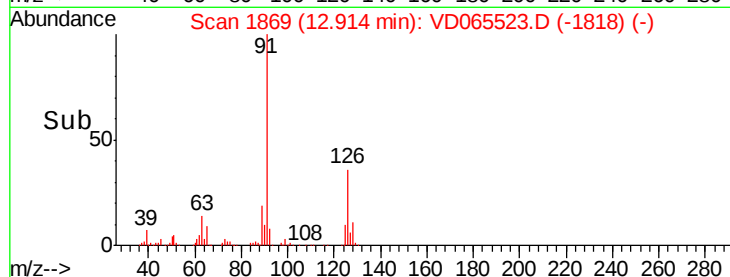
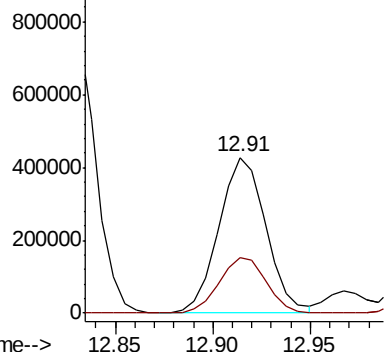
#79
 2-Chlorotoluene
 Concen: 55.191 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 712484
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.8

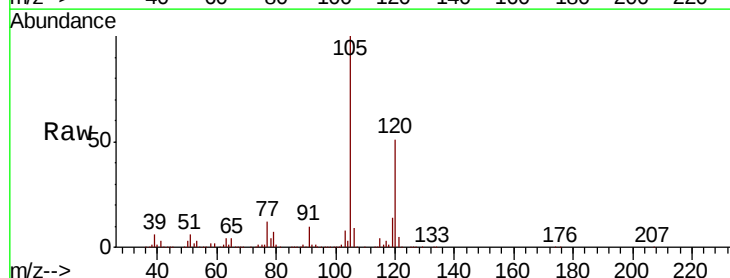


Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)
 Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

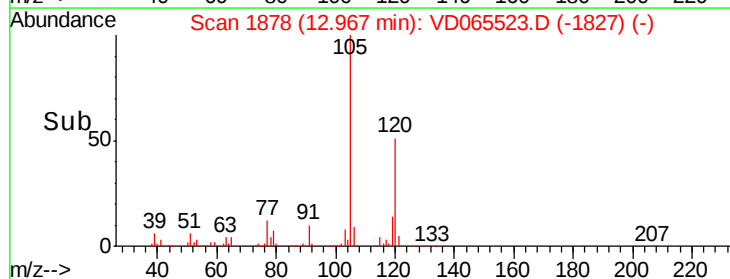
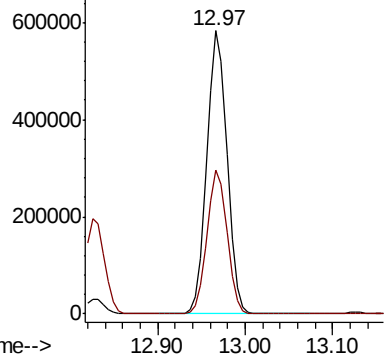


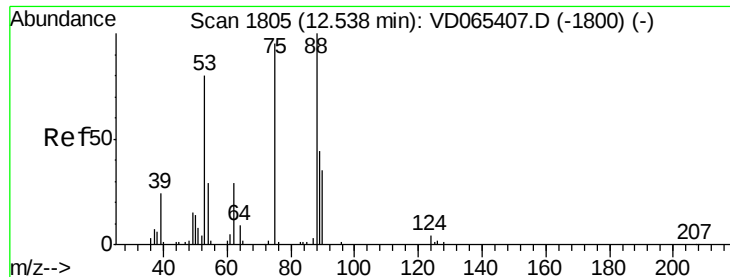
#80
 1,3,5-Trimethylbenzene
 Concen: 56.992 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion:105 Resp: 904521
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)
 Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

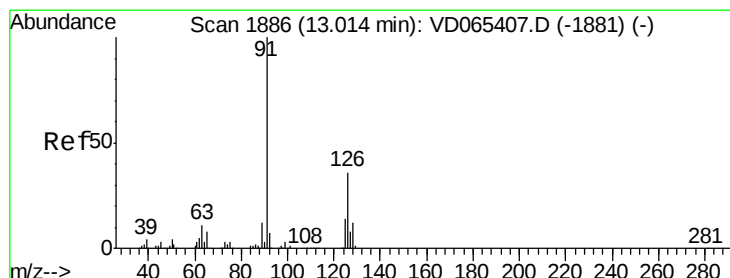
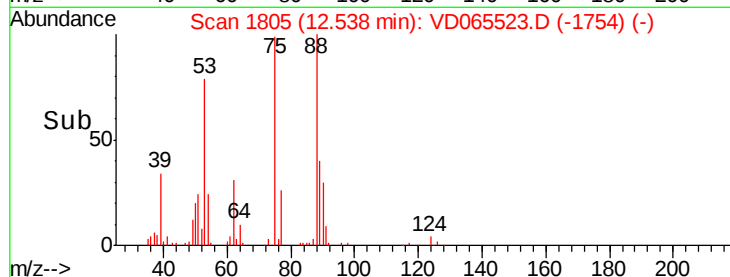
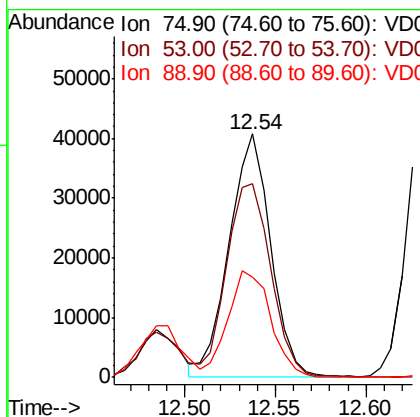
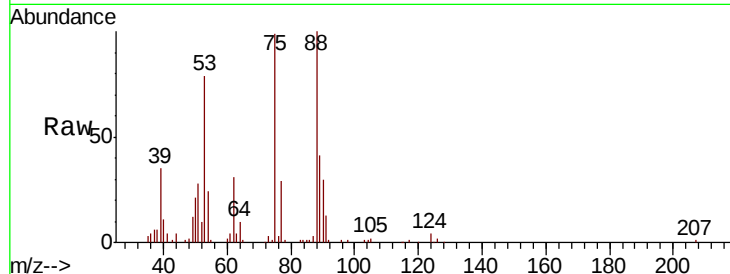




#81
trans-1,4-Dichloro-2-butene
Concen: 58.538 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

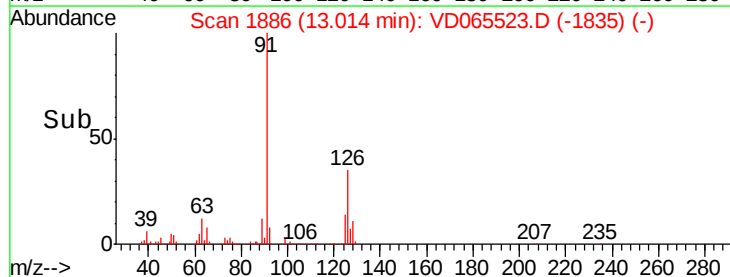
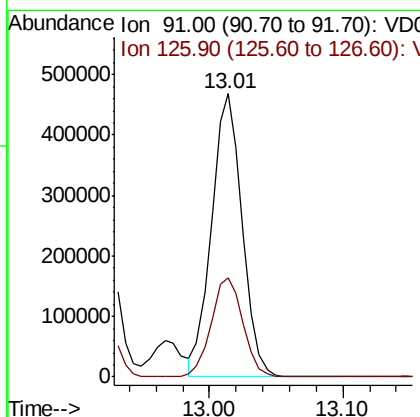
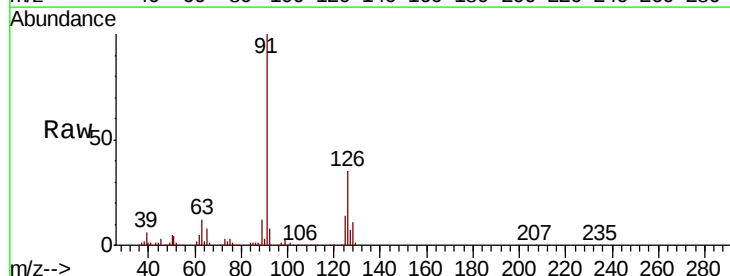
Instrument :
MSVOA_D
ClientSampled :

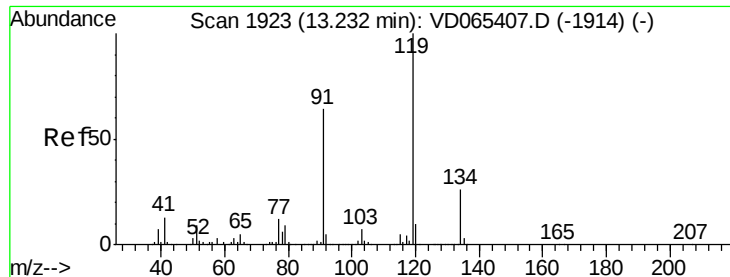
Tot Ion: 75 Resp: 64244
Ion Ratio Lower Upper
75 100
53 85.8 71.3 106.9
89 45.5 37.0 55.6



#82
4-Chlorotoluene
Concen: 55.394 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion: 91 Resp: 751444
Ion Ratio Lower Upper
91 100
126 36.2 17.6 52.8

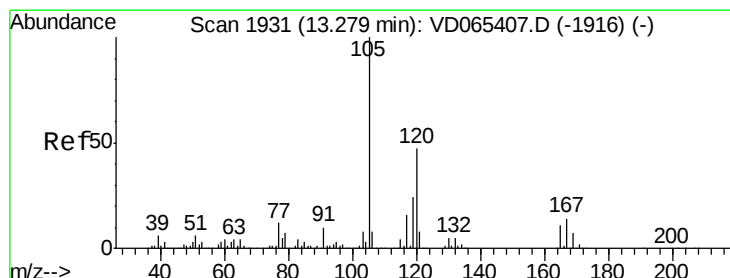
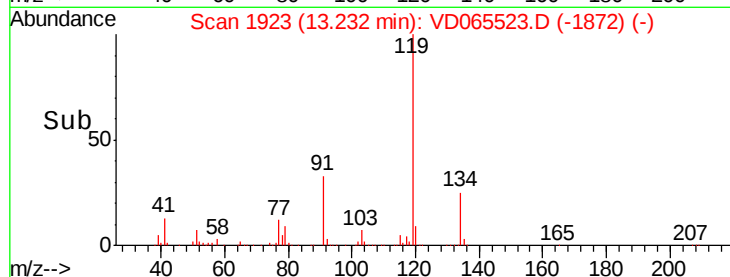
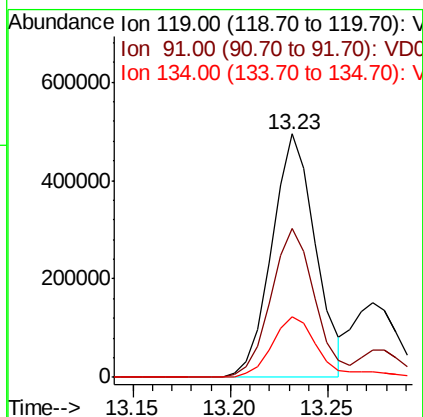
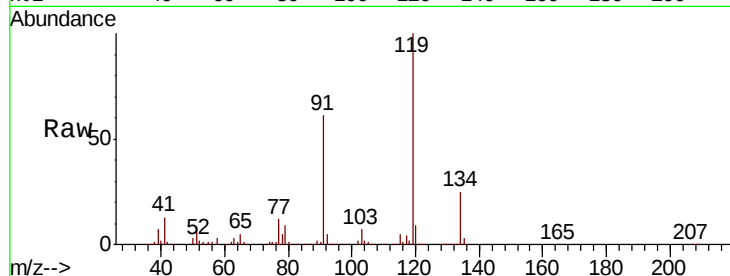




#83
tert-Butylbenzene
Concen: 57.019 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

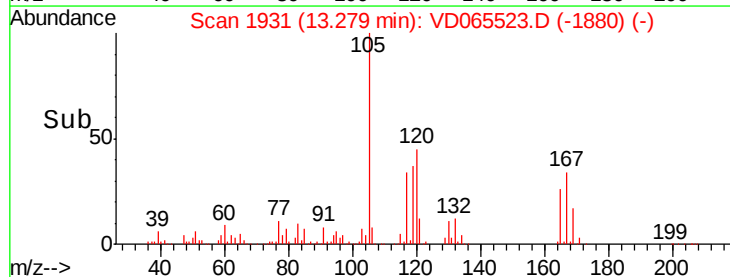
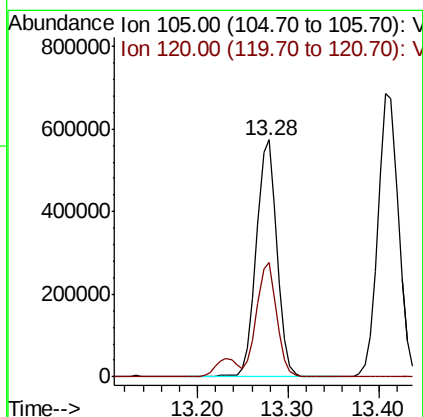
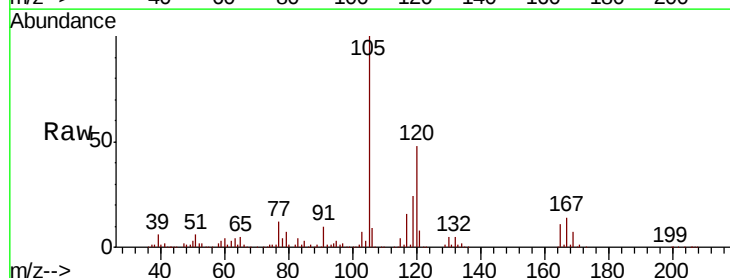
Instrument :
MSVOA_D
ClientSampleId :

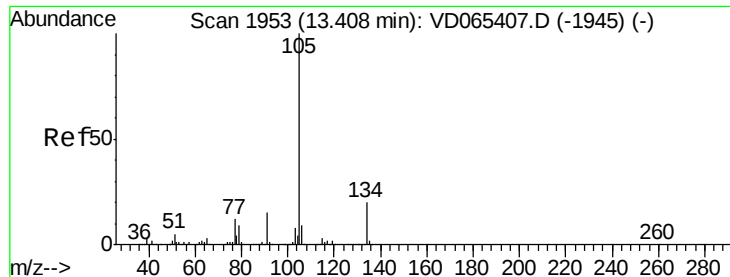
Tot Ion:119 Resp: 765602
Ion Ratio Lower Upper
119 100
91 61.8 31.6 95.0
134 27.2 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 57.611 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion:105 Resp: 901290
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3

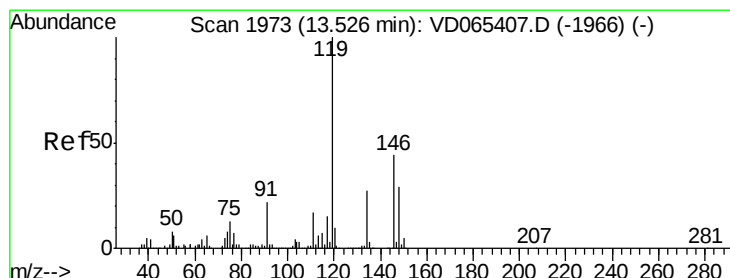
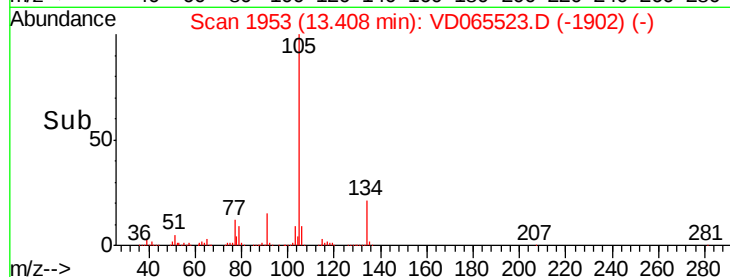
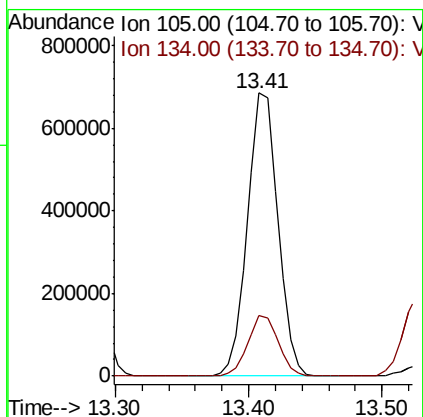
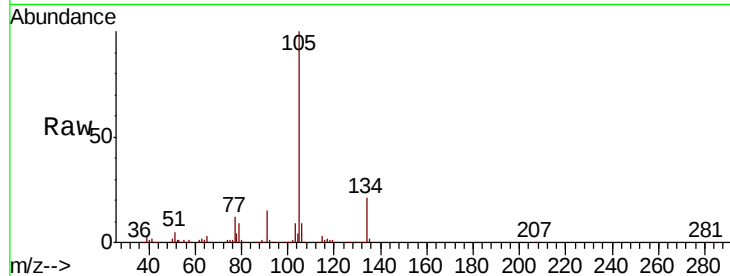




#85
 sec-Butylbenzene
 Concen: 56.148 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

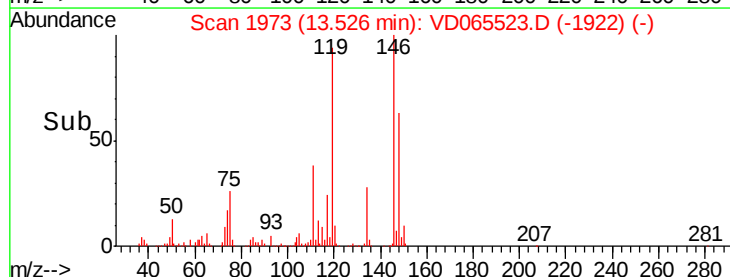
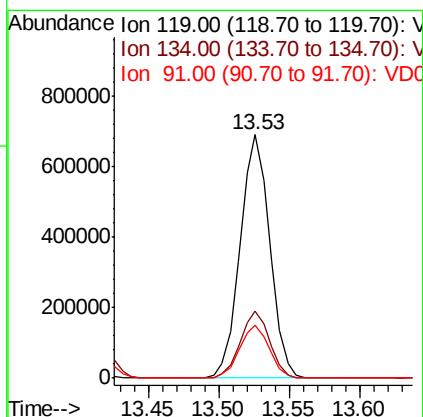
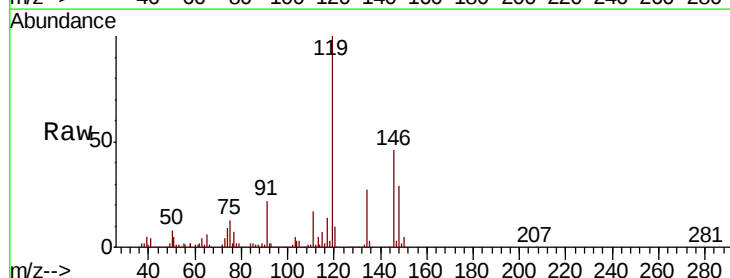
Instrument :
 MSVOA_D
 ClientSampleId :

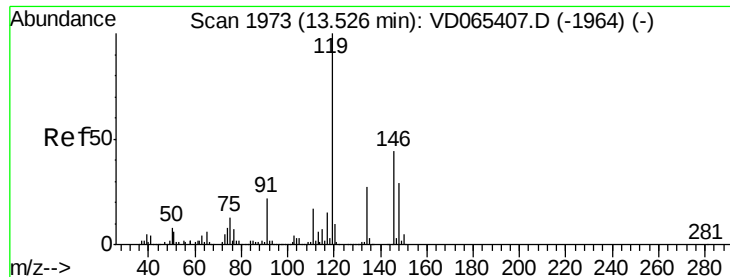
Tot Ion:105 Resp: 1076134
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 57.983 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion:119 Resp: 1014060
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.3 39.9
 91 21.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 55.977 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

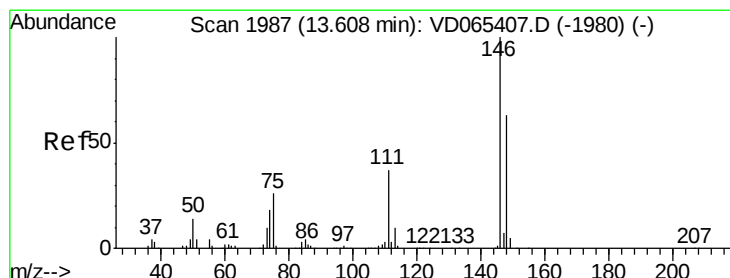
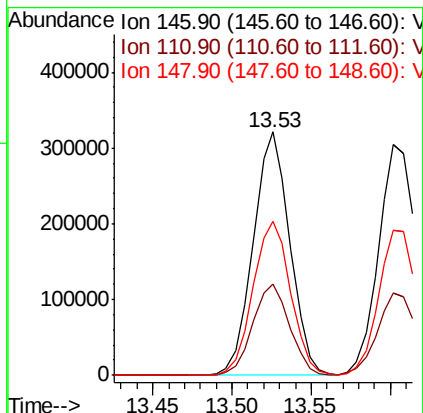
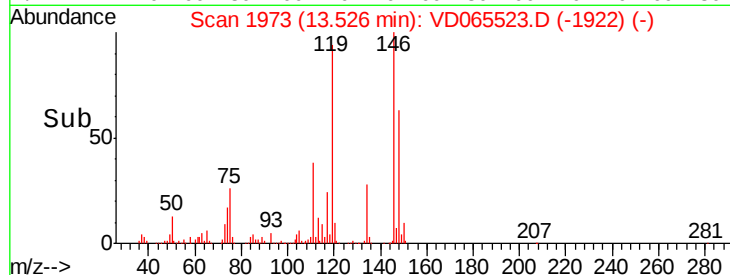
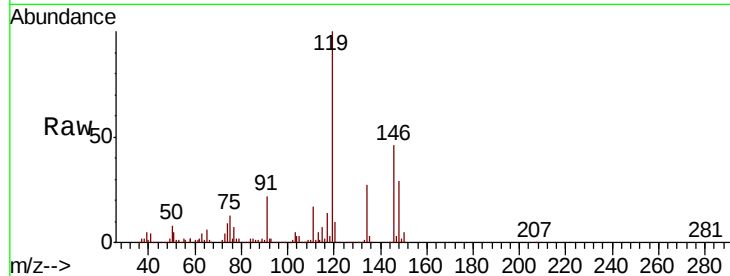
Tot Ion:146 Resp: 516184

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.1

148 65.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 55.085 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

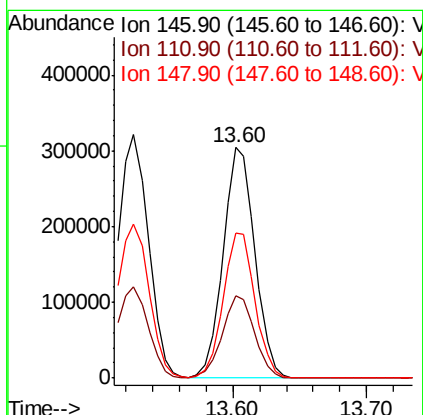
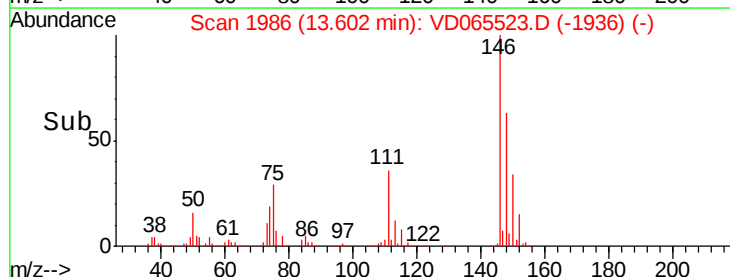
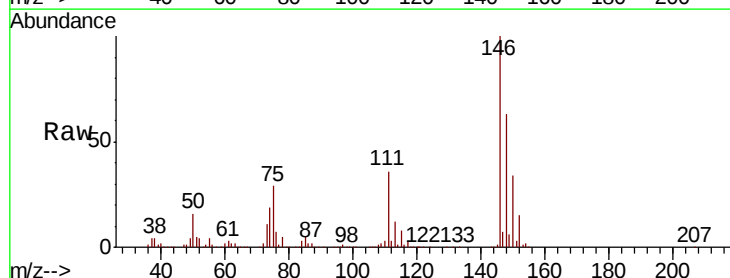
Tgt Ion:146 Resp: 505290

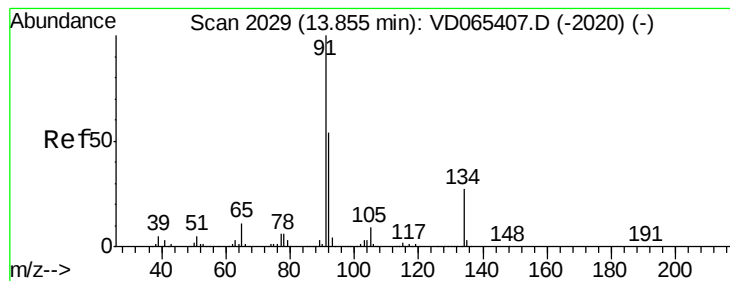
Ion Ratio Lower Upper

146 100

111 36.5 18.5 55.5

148 63.3 32.0 96.0





#89

n-Butylbenzene

Concen: 56.554 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065523.D

Acq: 24 Mar 2020 17:05

Instrument :

MSVOA_D

ClientSampleId :

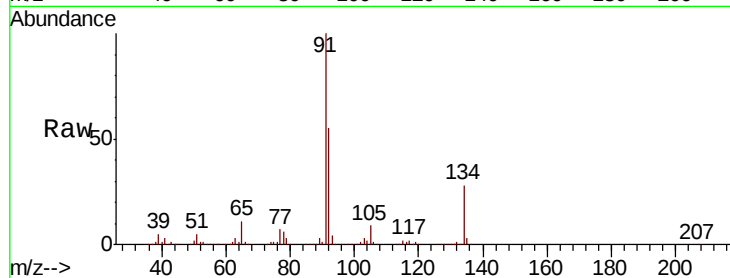
Tot Ion: 91 Resp: 914399

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.8	80.4
134	27.5	13.4	40.2

91 100

92 54.4 26.8 80.4

134 27.5 13.4 40.2

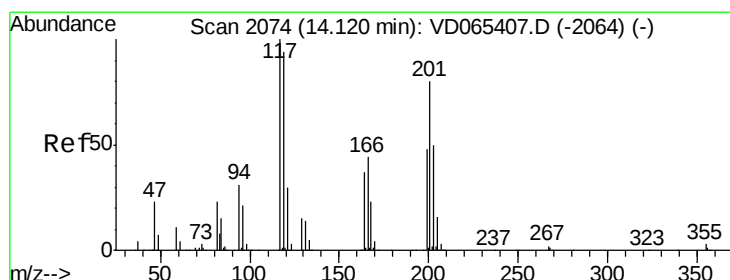
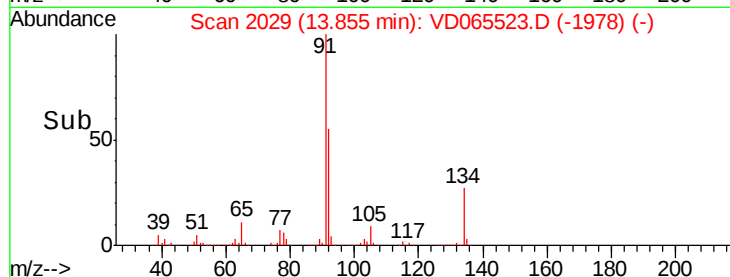
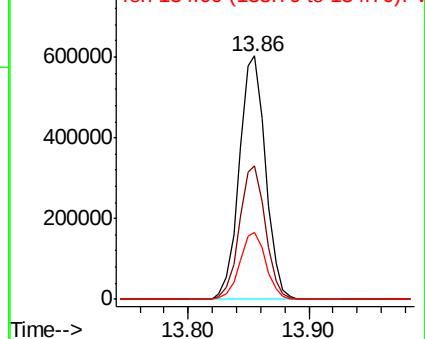


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.282 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065523.D

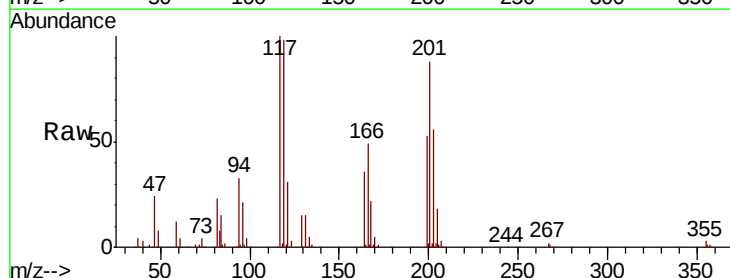
Acq: 24 Mar 2020 17:05

Tgt Ion: 117 Resp: 199106

Ion	Ratio	Lower	Upper
117	100		
201	84.7	41.9	125.6

117 100

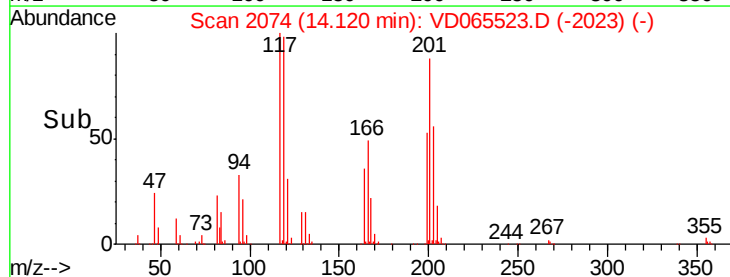
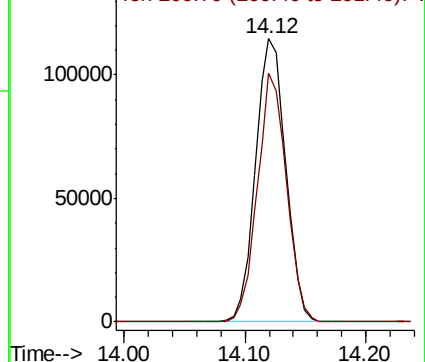
201 84.7 41.9 125.6



Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

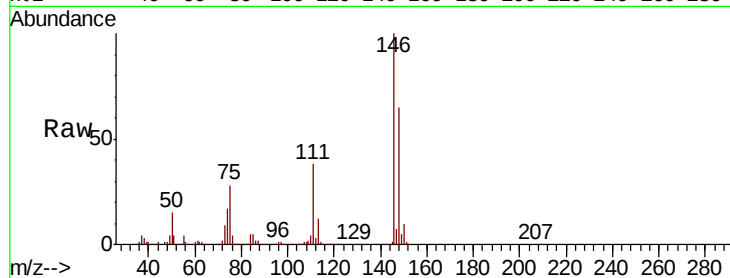




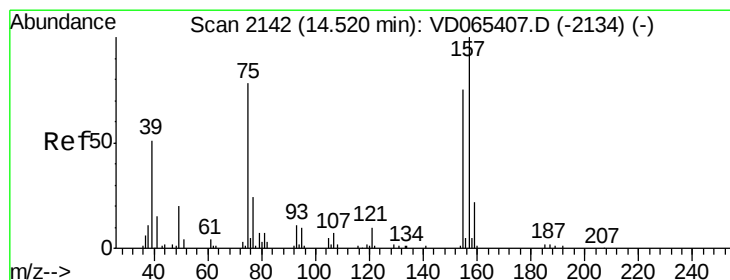
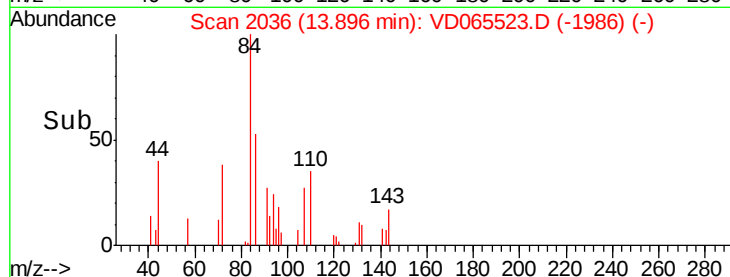
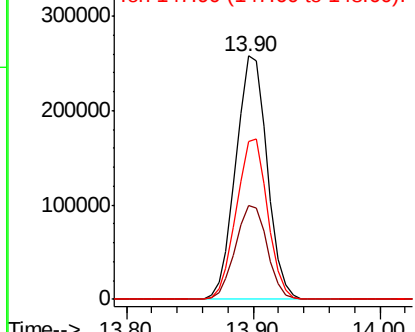
#91
 1,2-Dichlorobenzene
 Concen: 56.305 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	65.8	32.6	97.8

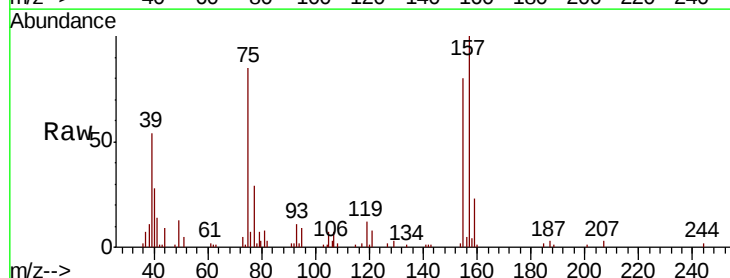


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

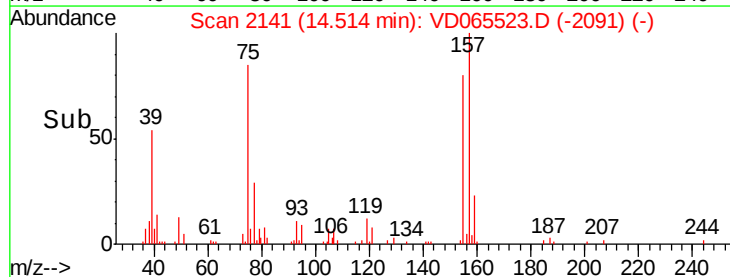
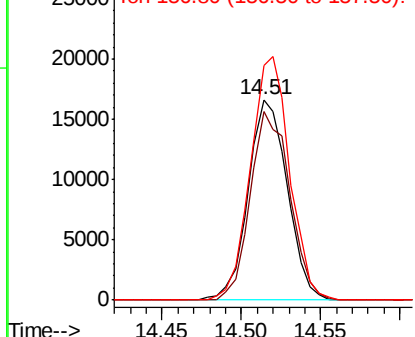


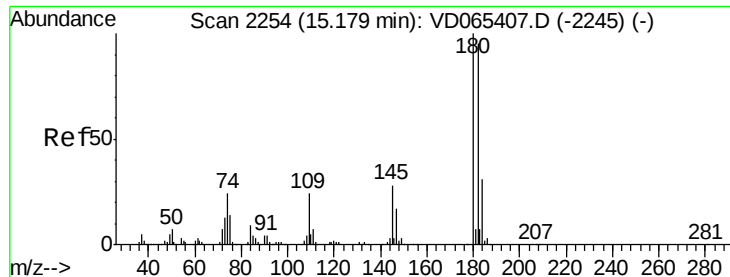
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.092 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	46.4	139.1
157	121.7	60.2	180.4



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

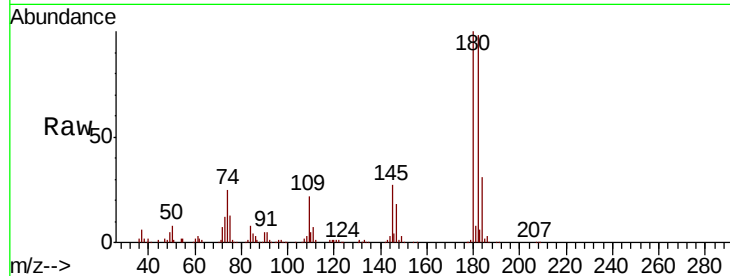




#93
 1,2,4-Trichlorobenzene
 Concen: 58.475 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.9
145	27.9	14.4	43.4

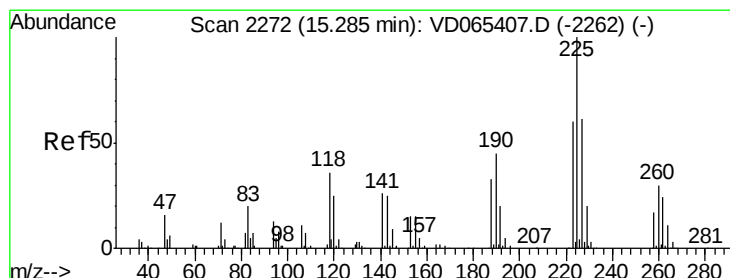
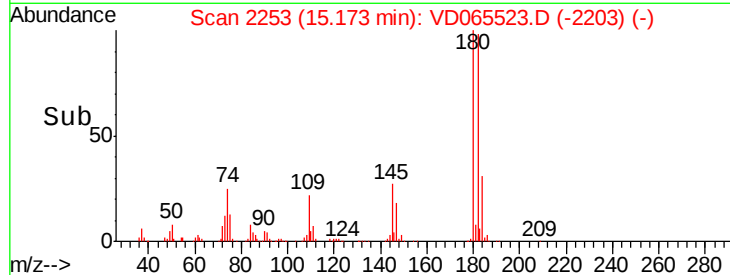
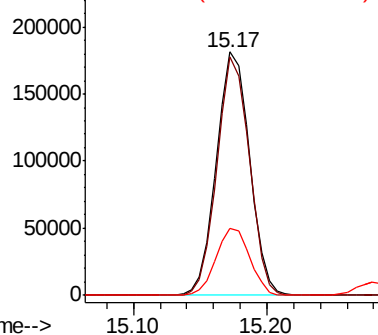


Abundance

Ion 179.80 (179.50 to 180.50): V

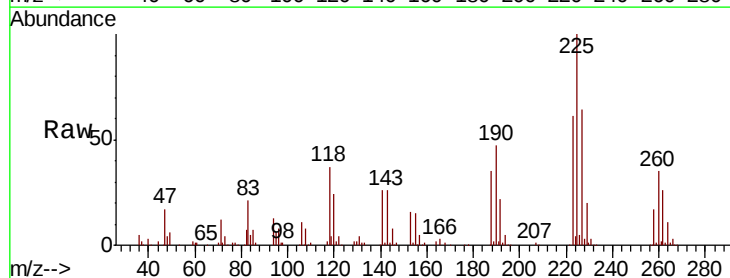
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 58.135 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065523.D
 Acq: 24 Mar 2020 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.9	92.5
227	62.4	31.6	94.7

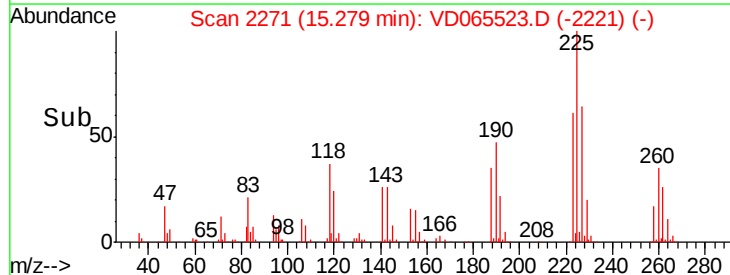
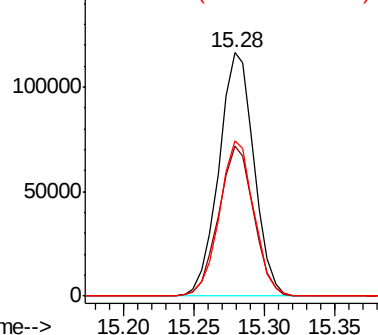


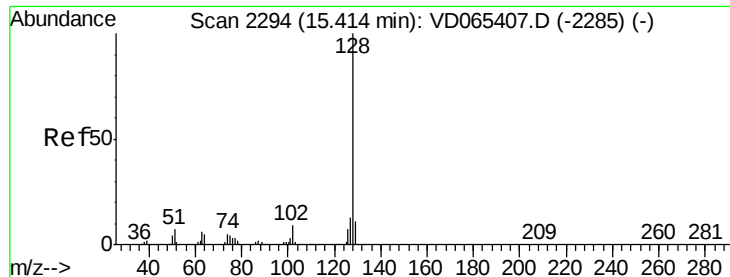
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

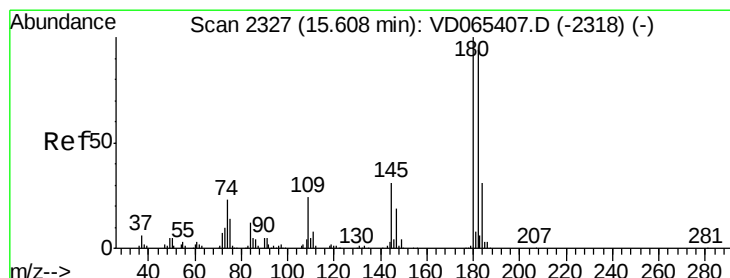
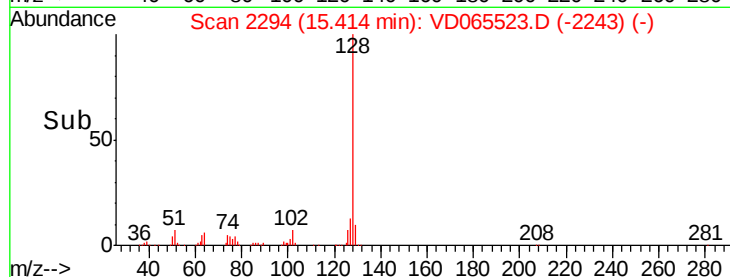
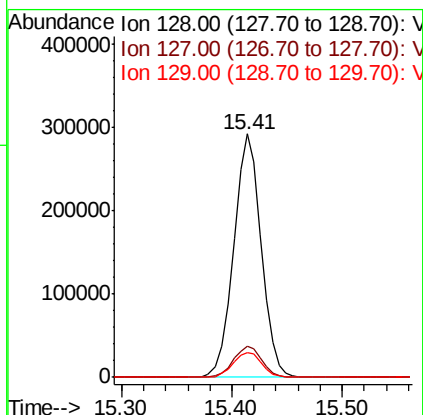
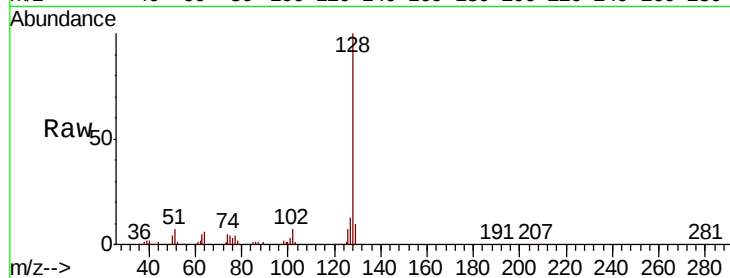




#95
Naphthalene
Concen: 53.219 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 59.327 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065523.D
Acq: 24 Mar 2020 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.9	140.6
145	30.0	15.0	45.1

