

Data File : VD065511.D
Acq On : 16 Mar 2020 14:20
Operator : VA/SY
Sample : VD0316SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Quant Time: Mar 17 07:26:19 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	500082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197725	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	7.92	113	212867	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.34	98	822483	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	260104	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84090	19.566	ug/l	98
3) Chloromethane	2.21	50	97903	18.868	ug/l	100
4) Vinyl Chloride	2.36	62	97931	19.135	ug/l	97
5) Bromomethane	2.77	94	67738	20.828	ug/l	99
6) Chloroethane	2.93	64	61220	19.531	ug/l	98
7) Trichlorofluoromethane	3.28	101	143910	19.083	ug/l	99
8) Diethyl Ether	3.71	74	43274	19.296	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93928	19.339	ug/l	99
10) Methyl Iodide	4.30	142	95067	18.840	ug/l	97
11) Tert butyl alcohol	5.25	59	27182	110.471	ug/l	97
12) 1,1-Dichloroethene	4.06	96	85180	18.315	ug/l	99
13) Acrolein	3.93	56	28556	67.293	ug/l	99
14) Allyl chloride	4.71	41	129734	18.159	ug/l	99
15) Acrylonitrile	5.43	53	88454	90.662	ug/l	99
16) Acetone	4.16	43	78828	90.863	ug/l	95
17) Carbon Disulfide	4.40	76	280455	18.108	ug/l	97
18) Methyl Acetate	4.73	43	40988	18.625	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	166943	18.666	ug/l	97
20) Methylene Chloride	4.97	84	111876	21.797	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98375	19.015	ug/l	99
22) Diisopropyl ether	6.37	45	261057	19.656	ug/l	98
23) Vinyl Acetate	6.31	43	676470	91.733	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162987	19.133	ug/l	99
25) 2-Butanone	7.23	43	102958	86.965	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144220	19.373	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100312	18.969	ug/l	98
28) Bromochloromethane	7.56	49	67821	19.899	ug/l	99
29) Tetrahydrofuran	7.57	42	66766	88.308	ug/l	99
30) Chloroform	7.72	83	166142	19.513	ug/l	99
31) Cyclohexane	7.99	56	154463	18.133	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	151480	19.251	ug/l	97
36) 1,1-Dichloropropene	8.11	75	132988	19.294	ug/l	99
37) Ethyl Acetate	7.30	43	51476	19.322	ug/l	99
38) Carbon Tetrachloride	8.10	117	141453	19.791	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151188	18.161	ug/l	92
40) Benzene	8.36	78	380559	19.747	ug/l	99
41) Methacrylonitrile	7.53	41	22515	15.980	ug/l	96
42) 1,2-Dichloroethane	8.43	62	101789	20.227	ug/l	99
43) Isopropyl Acetate	8.46	43	90204	18.337	ug/l	98
44) Trichloroethene	9.11	130	106494	19.567	ug/l	92
45) 1,2-Dichloropropane	9.39	63	93053	19.933	ug/l	99
46) Dibromomethane	9.48	93	47919	19.790	ug/l	97
47) Bromodichloromethane	9.67	83	127423	20.228	ug/l	98
48) Methyl methacrylate	9.46	41	45164	19.518	ug/l	93
49) 1,4-Dioxane	9.47	88	10169	367.144	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	235743	95.234	ug/l	99
52) Toluene	10.41	92	248462	20.466	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115289	19.584	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	142399	19.984	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68773	20.053	ug/l	100
56) Ethyl methacrylate	10.67	69	71012	18.367	ug/l	100
57) 1,3-Dichloropropane	10.95	76	114749	19.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	119319	100.062	ug/l	97
59) 2-Hexanone	10.99	43	154838	90.359	ug/l	98
60) Dibromochloromethane	11.14	129	89832	20.434	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63444	19.394	ug/l	100
64) Tetrachloroethene	10.88	164	94653	20.139	ug/l	98
65) Chlorobenzene	11.67	112	259578	19.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96384	20.389	ug/l	98
67) Ethyl Benzene	11.75	91	442878	19.747	ug/l	100
68) m/p-Xylenes	11.86	106	346912	40.115	ug/l	99
69) o-Xylene	12.18	106	147555	19.397	ug/l	98
70) Styrene	12.20	104	267156	19.955	ug/l	100
71) Bromoform	12.37	173	52787	19.880	ug/l #	100
73) Isopropylbenzene	12.48	105	405796	18.479	ug/l	100
74) N-amyl acetate	12.30	43	76454	17.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	71808	18.603	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	92515	35.118	ug/l #	100
77) Bromobenzene	12.77	156	102906	18.862	ug/l	98
78) n-propylbenzene	12.83	91	499339	19.165	ug/l	100
79) 2-Chlorotoluene	12.91	91	280494	19.102	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	350316	19.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21363	17.113	ug/l	93
82) 4-Chlorotoluene	13.01	91	301123	19.515	ug/l	100
83) tert-Butylbenzene	13.23	119	284592	18.634	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	342910	19.270	ug/l	99
85) sec-Butylbenzene	13.41	105	409764	18.796	ug/l	100
86) p-Isopropyltoluene	13.53	119	377643	18.983	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	203299	19.382	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	199584	19.128	ug/l	99
89) n-Butylbenzene	13.85	91	336713	18.308	ug/l	99
90) Hexachloroethane	14.12	117	78150	19.076	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	171416	19.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10381	17.659	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031620\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112334	18.568	ug/l	100
94) Hexachlorobutadiene	15.28	225	75802	19.069	ug/l	98
95) Naphthalene	15.41	128	167290	18.554	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	99847	19.099	ug/l	98

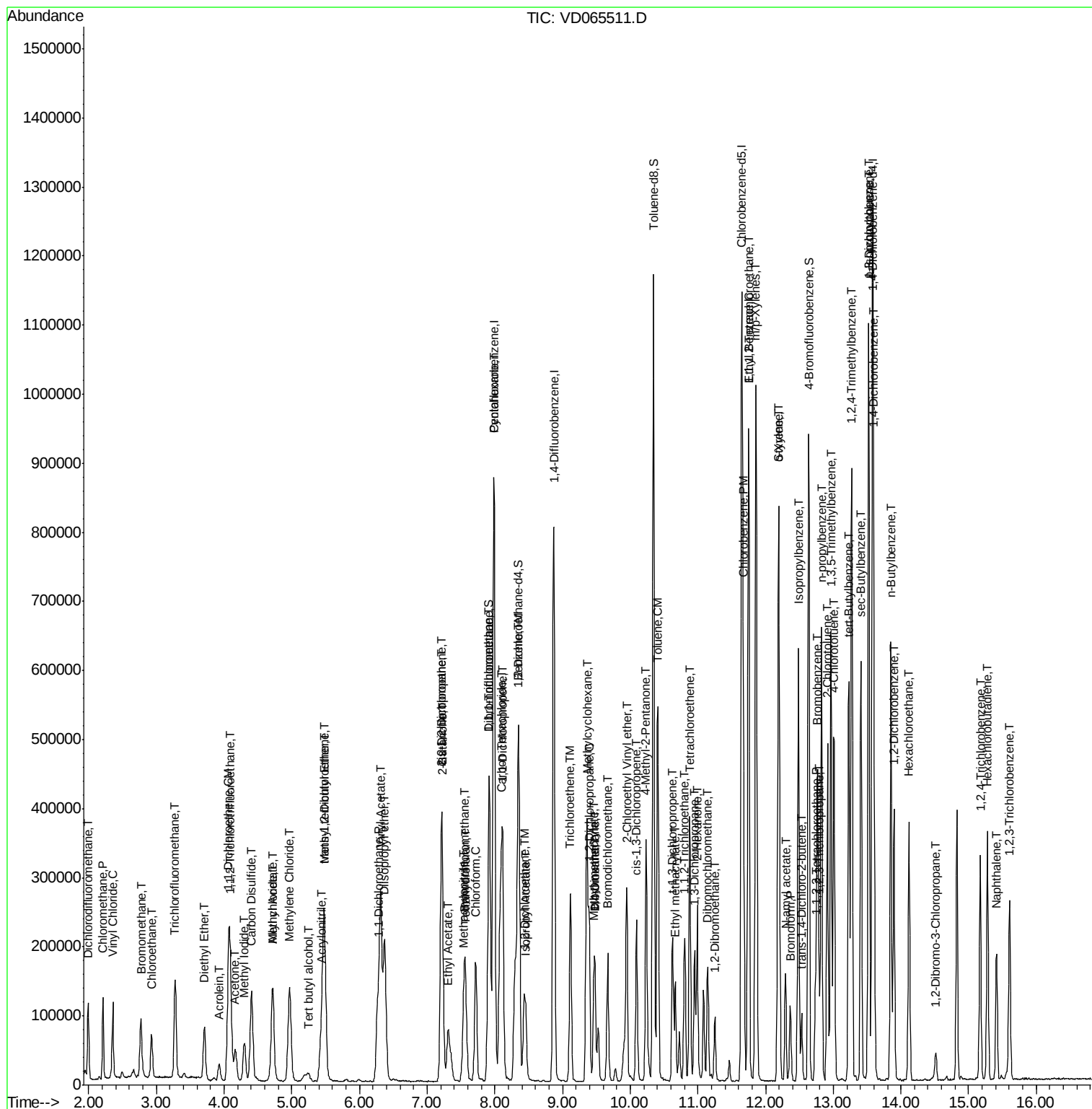
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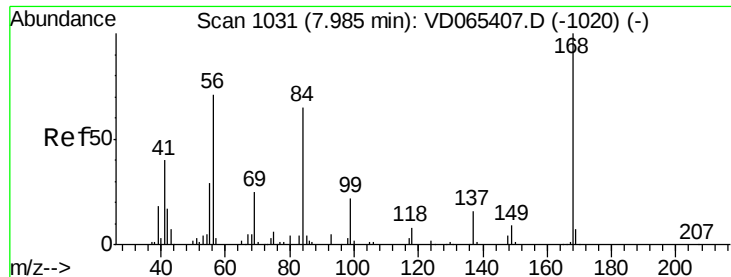
Data File : VD065511.D

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Operator     : VA/SY
Sample       : VD0316SBS01
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ALS Vial     : 5      Sample Multiplier: 1
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

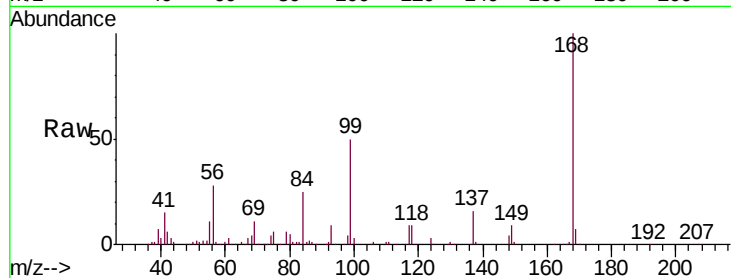
VD0316SBS01

Tgt Ion:168 Resp: 500082

Ion Ratio Lower Upper

168 100

99 50.3 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

250000

200000

150000

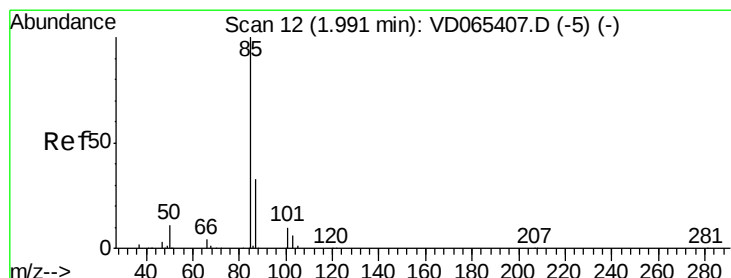
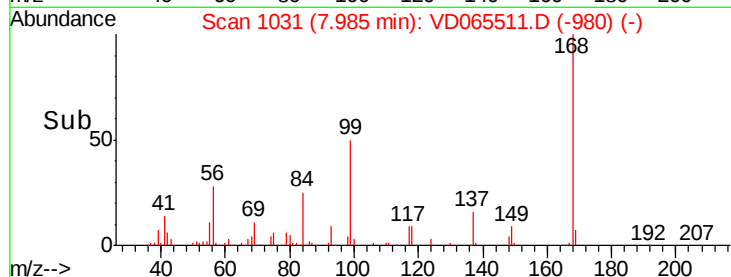
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.566 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065511.D

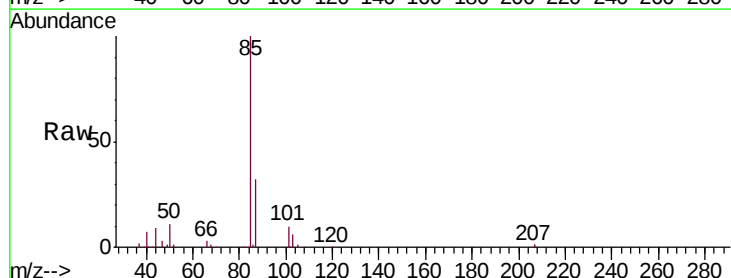
Acq: 16 Mar 2020 14:20

Tgt Ion: 85 Resp: 84090

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

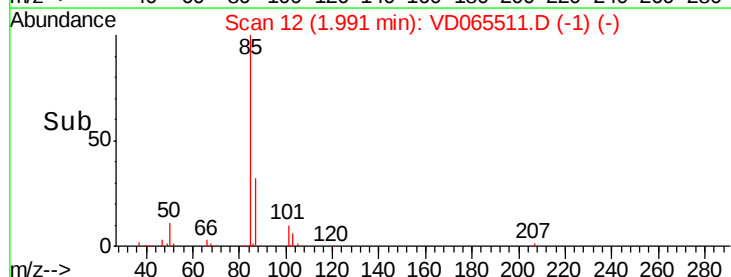
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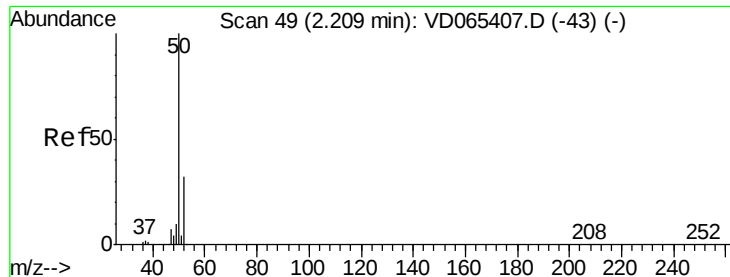
20000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

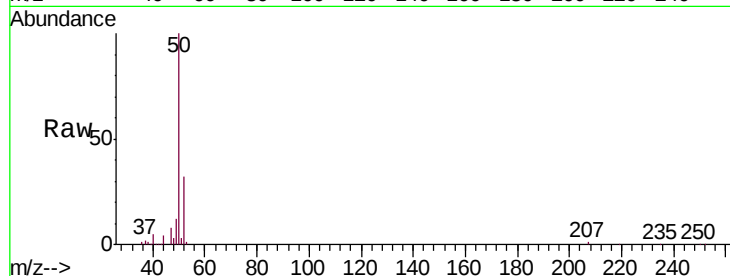
VD0316SBS01

Tgt Ion: 50 Resp: 97903

Ion Ratio Lower Upper

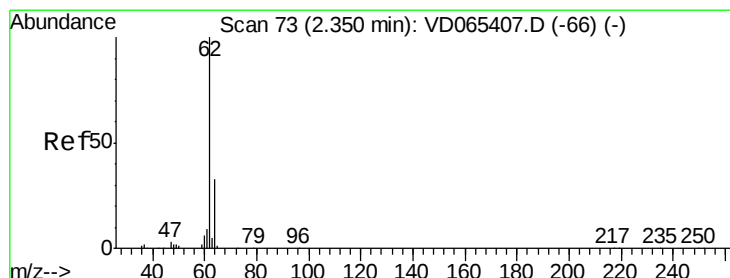
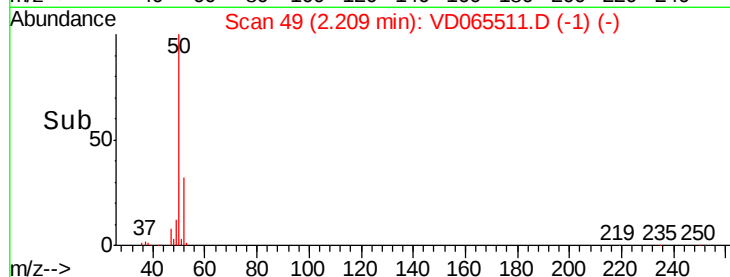
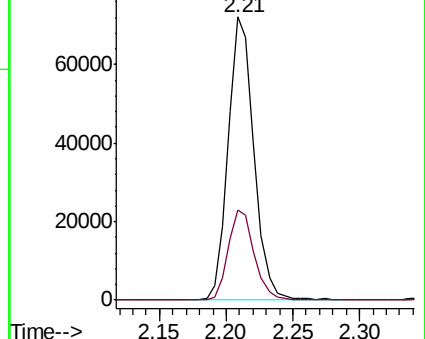
50 100

52 32.0 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: 19.135 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065511.D

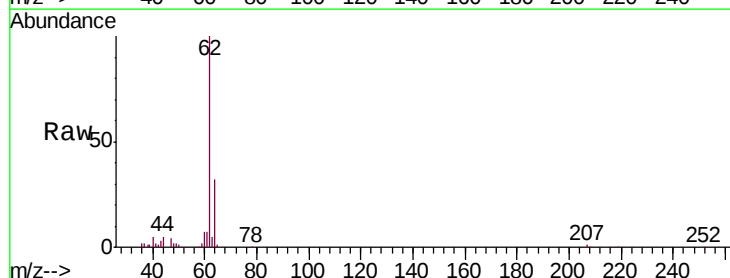
Acq: 16 Mar 2020 14:20

Tgt Ion: 62 Resp: 97931

Ion Ratio Lower Upper

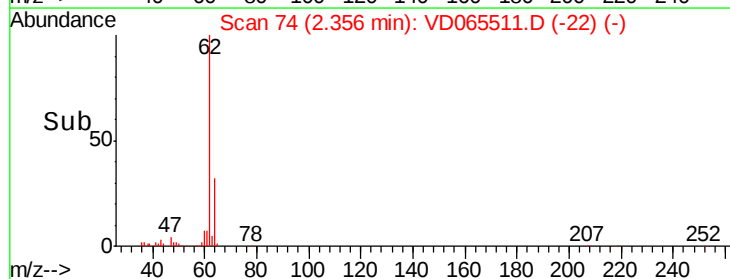
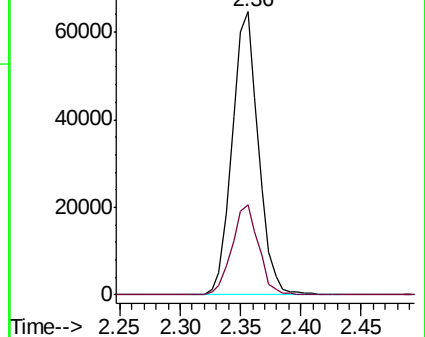
62 100

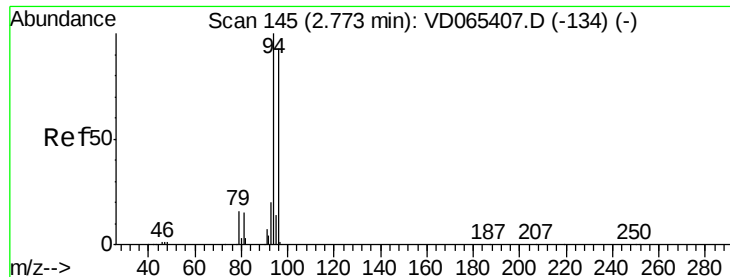
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.828 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

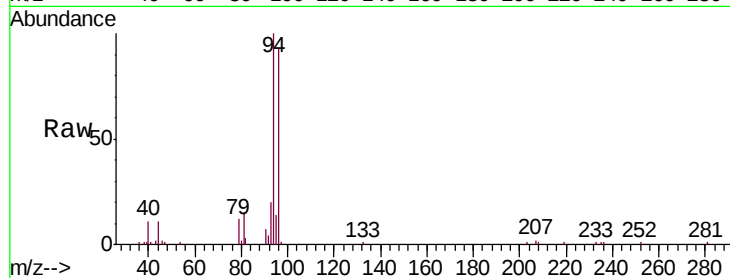
VD0316SBS01

Tgt Ion: 94 Resp: 67738

Ion Ratio Lower Upper

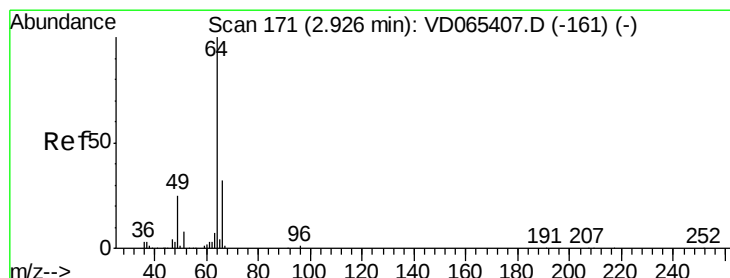
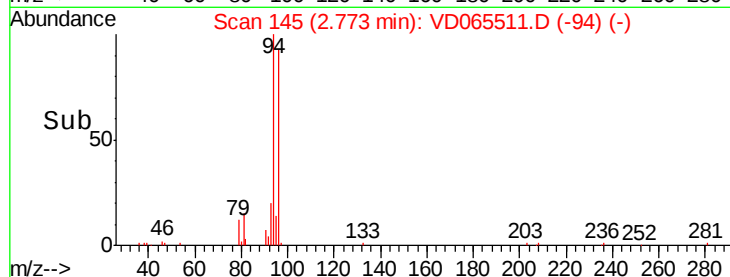
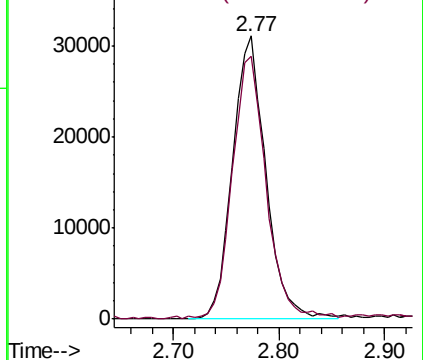
94 100

96 92.1 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: 19.531 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065511.D

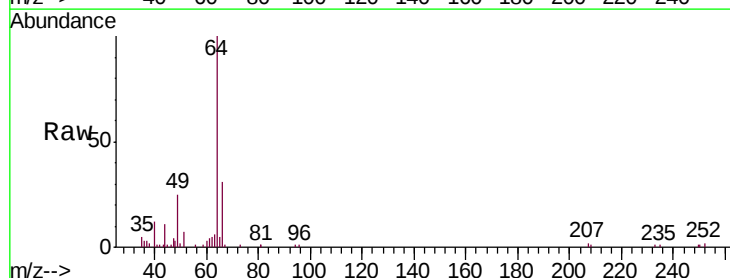
Acq: 16 Mar 2020 14:20

Tgt Ion: 64 Resp: 61220

Ion Ratio Lower Upper

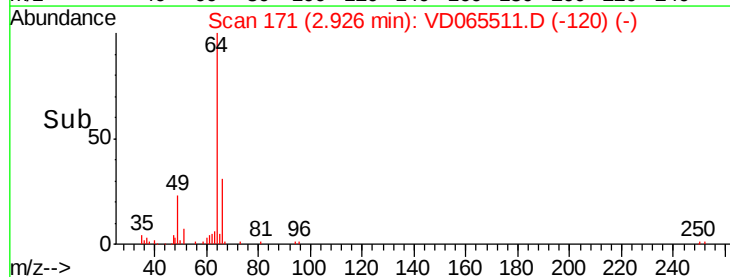
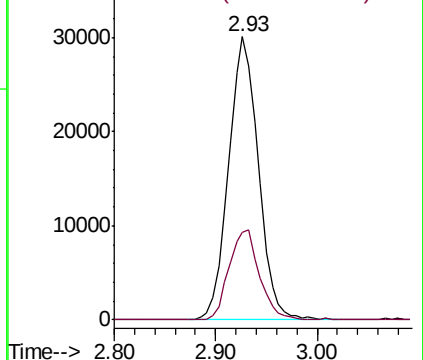
64 100

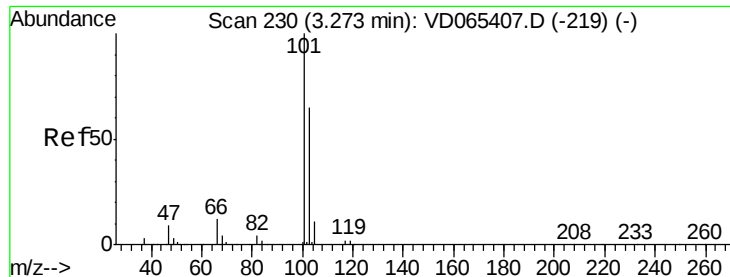
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



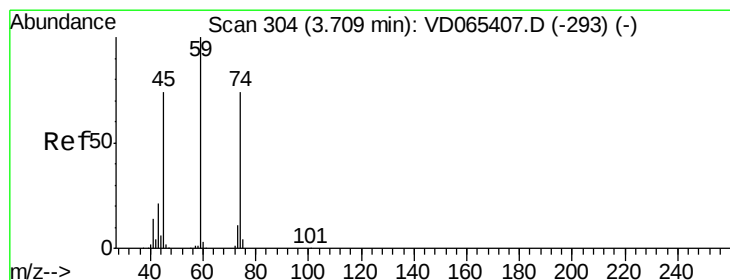
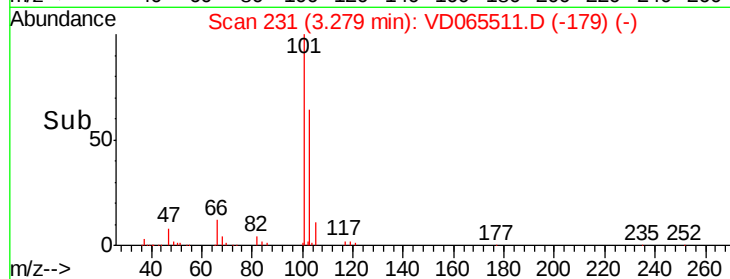
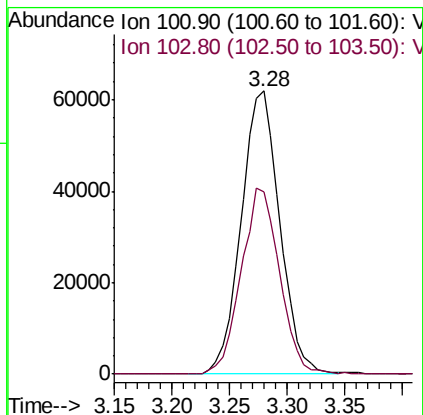
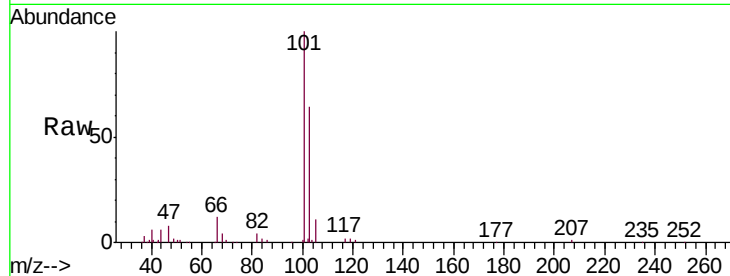


#7

Trichlorofluoromethane
 Concen: 19.083 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

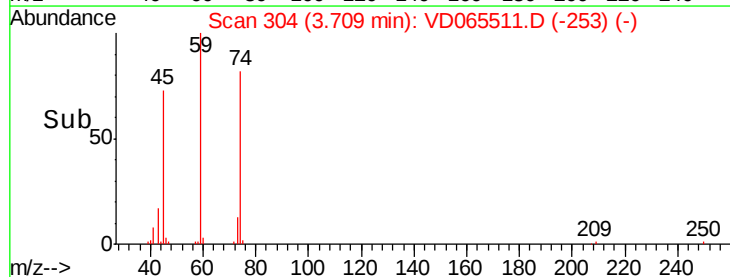
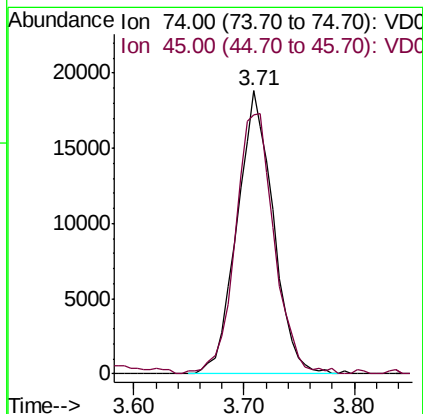
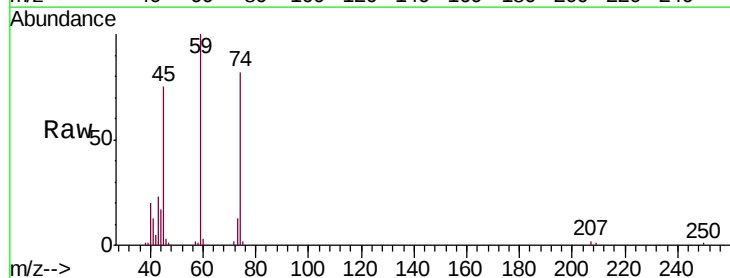
Tgt Ion: 101 Resp: 143910
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

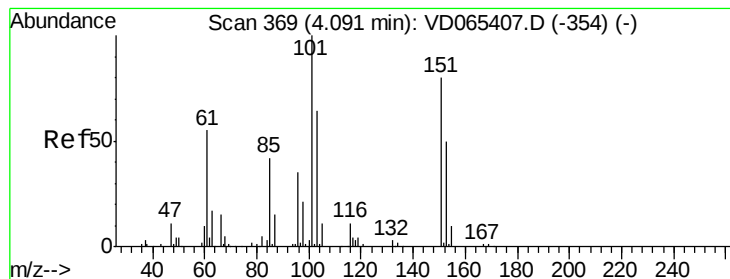


#8

Diethyl Ether
 Concen: 19.296 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 74 Resp: 43274
 Ion Ratio Lower Upper
 74 100
 45 99.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.339 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

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MSVOA_D

ClientSampleId :

VD0316SBS01

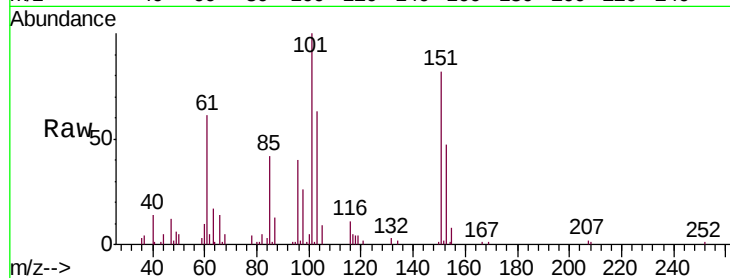
Tgt Ion:101 Resp: 93928

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.2

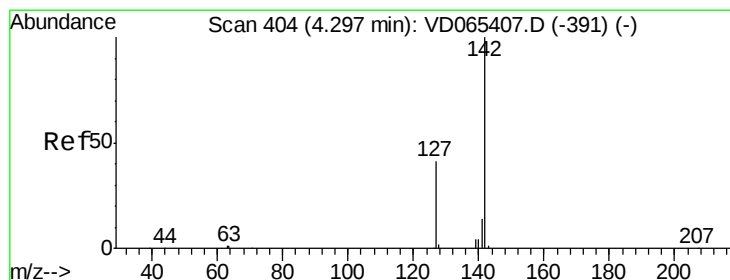
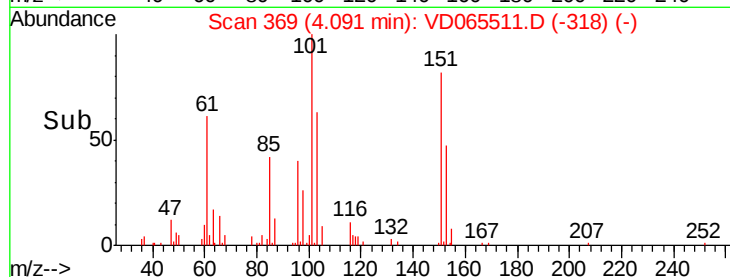
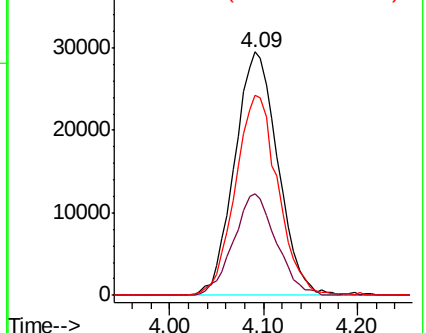
151 81.3 65.1 97.7



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: 18.840 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

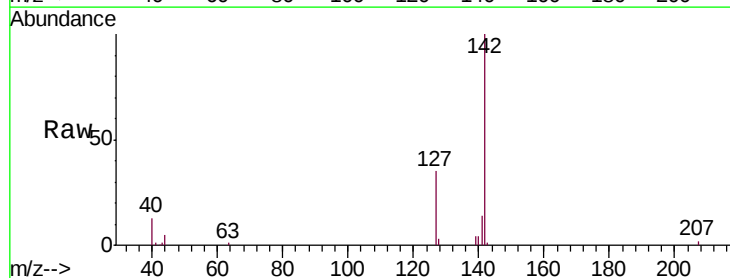
Tgt Ion:142 Resp: 95067

Ion Ratio Lower Upper

142 100

127 41.7 35.0 52.6

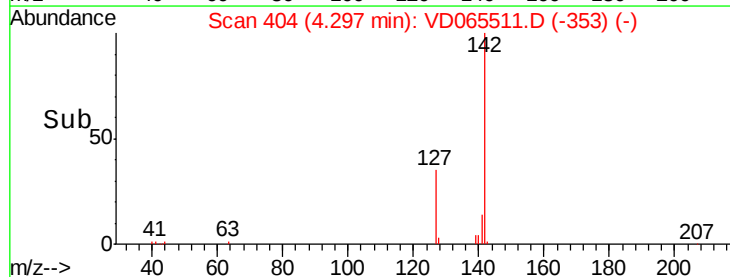
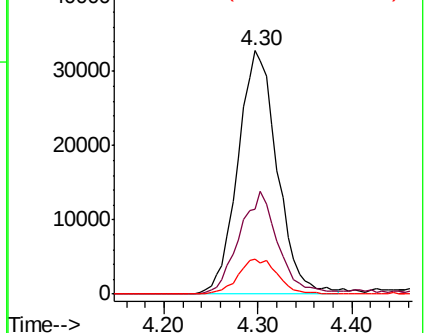
141 14.3 12.4 18.6

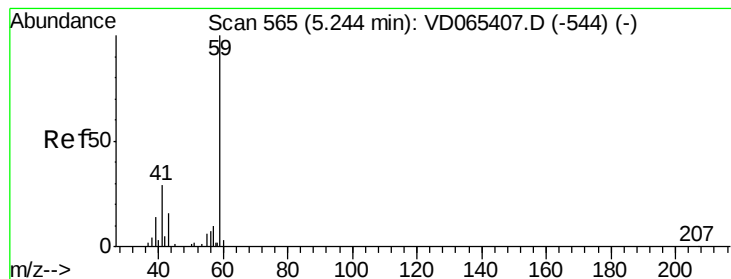


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.471 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

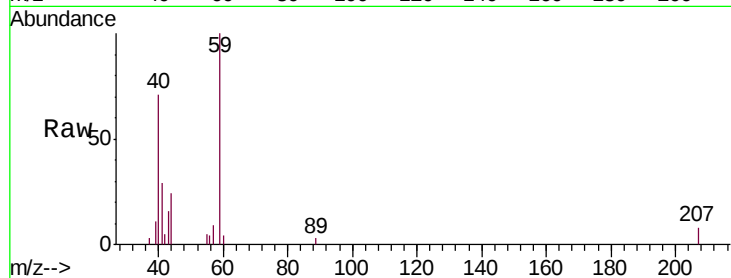
VD0316SBS01

Tgt Ion: 59 Resp: 27182

Ion Ratio Lower Upper

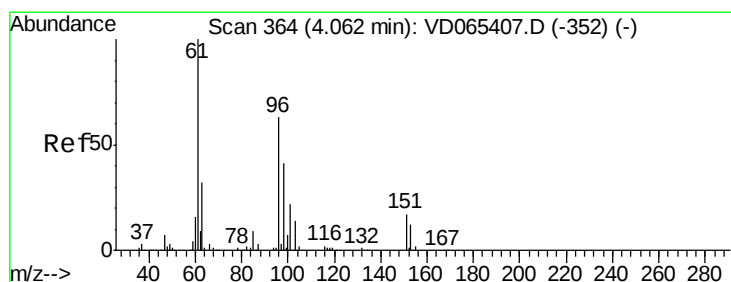
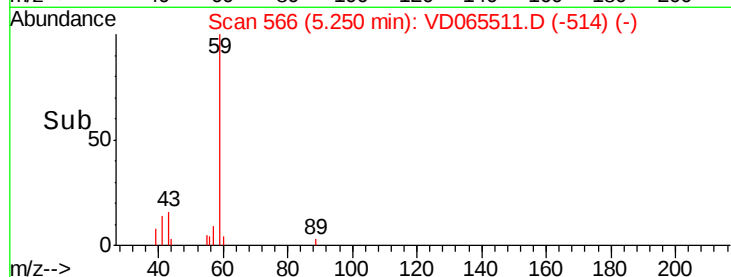
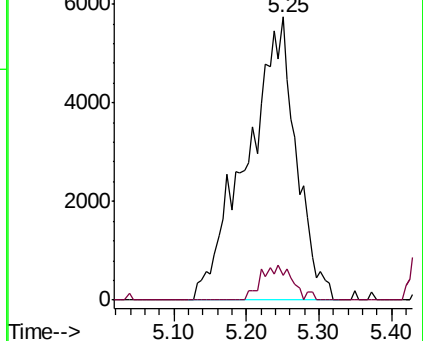
59 100

57 7.5 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: 18.315 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

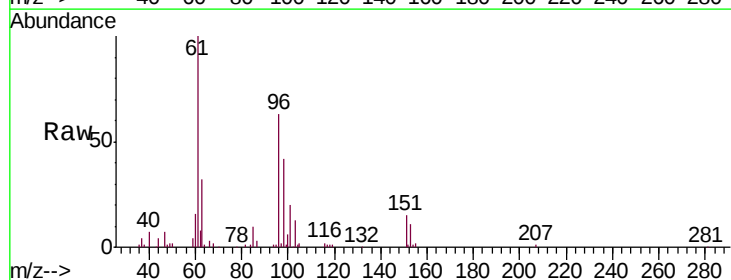
Tgt Ion: 96 Resp: 85180

Ion Ratio Lower Upper

96 100

61 159.2 128.0 192.0

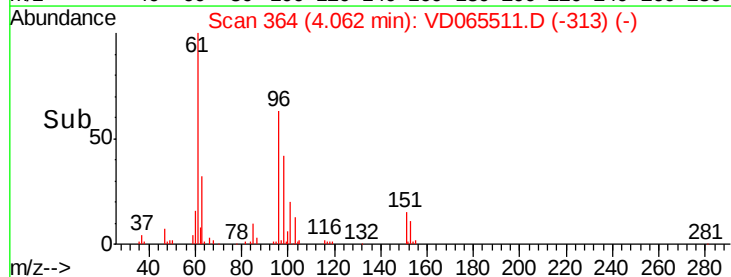
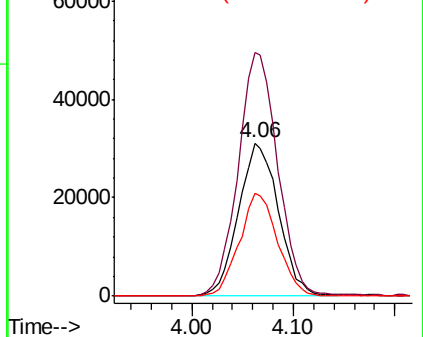
98 67.1 51.9 77.9

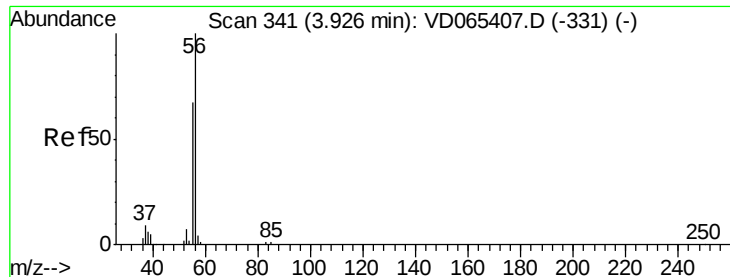


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 67.293 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

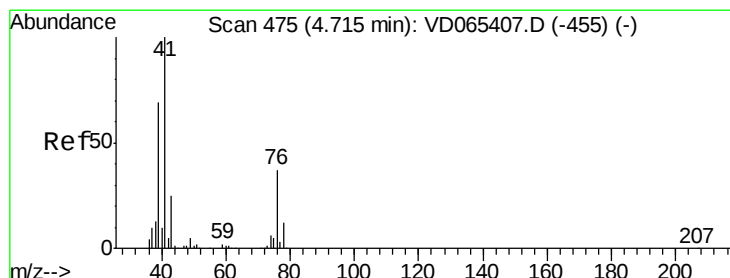
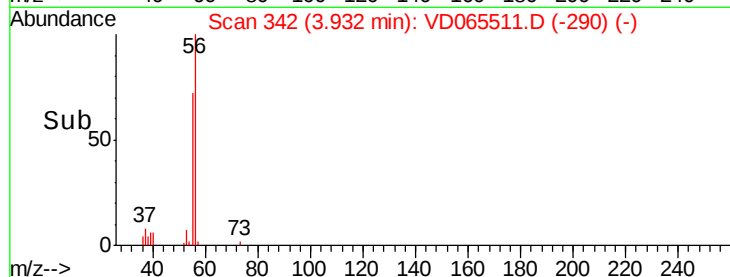
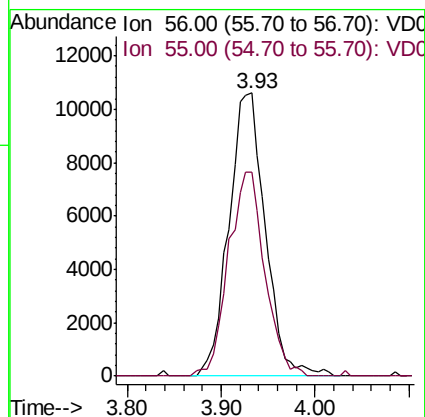
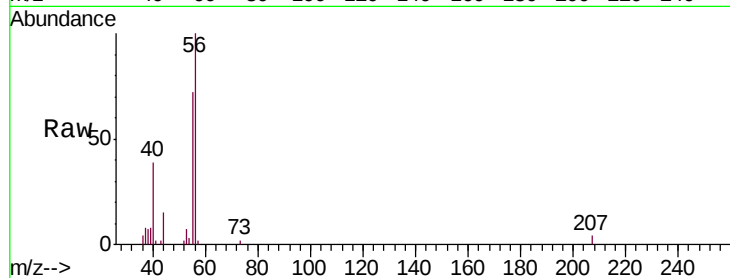
VD0316SBS01

Tgt Ion: 56 Resp: 28556

Ion Ratio Lower Upper

56 100

55 71.8 56.6 85.0



#14

Allyl chloride

Concen: 18.159 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

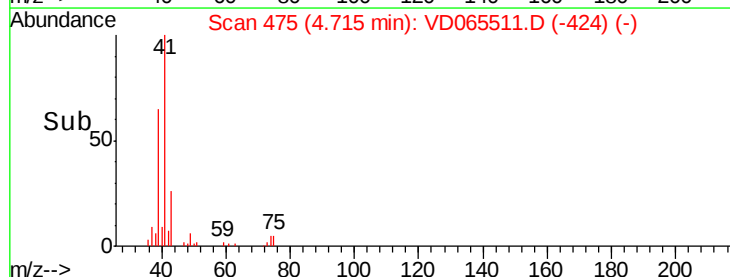
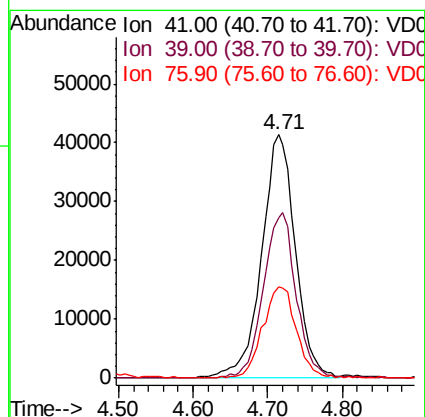
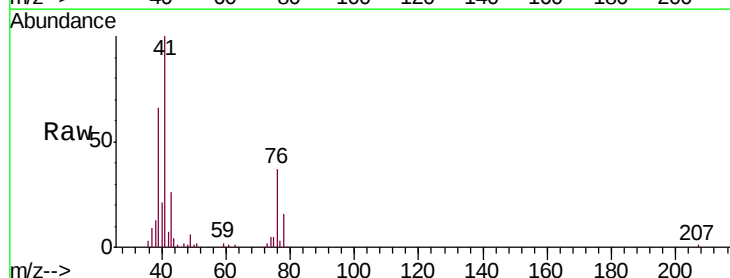
Tgt Ion: 41 Resp: 129734

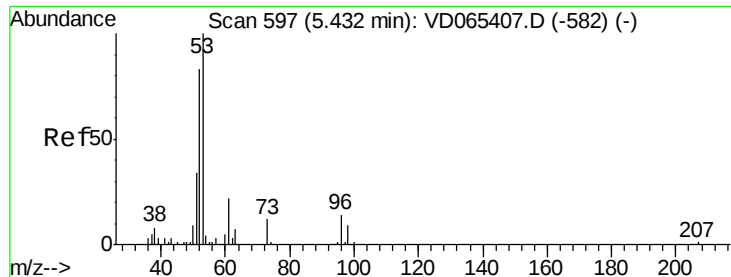
Ion Ratio Lower Upper

41 100

39 65.7 52.6 79.0

76 37.5 29.2 43.8





#15

Acrylonitrile

Concen: 90.662 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

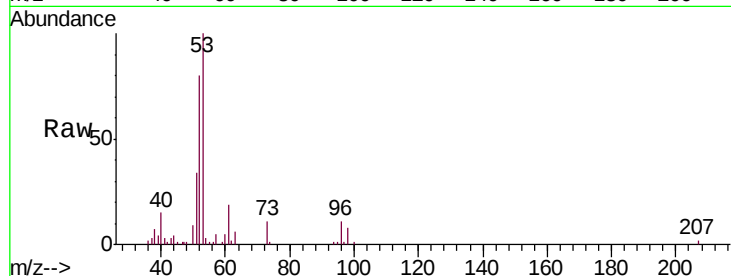
Tgt Ion: 53 Resp: 88454

Ion Ratio Lower Upper

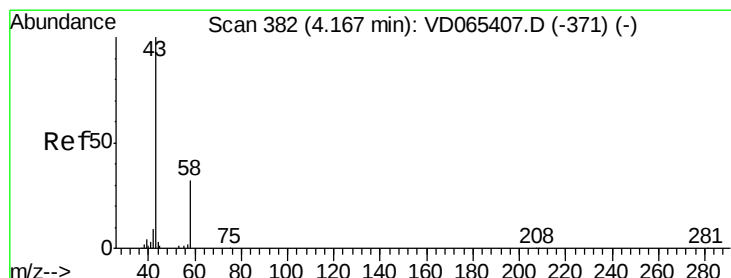
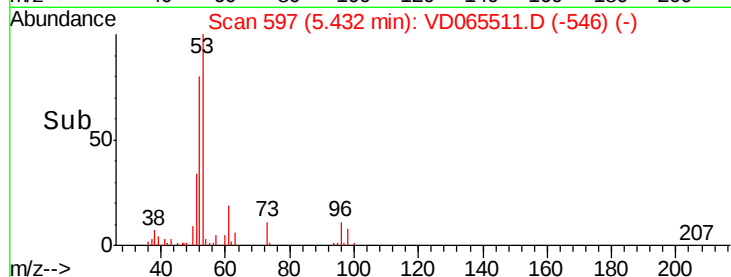
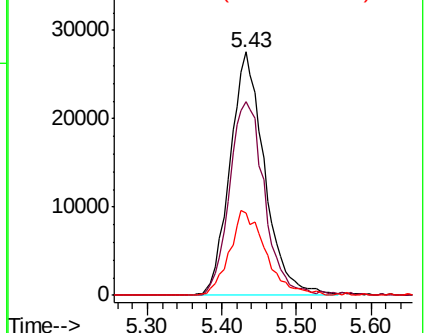
53 100

52 80.4 65.1 97.7

51 36.7 28.5 42.7



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



#16

Acetone

Concen: 90.863 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065511.D

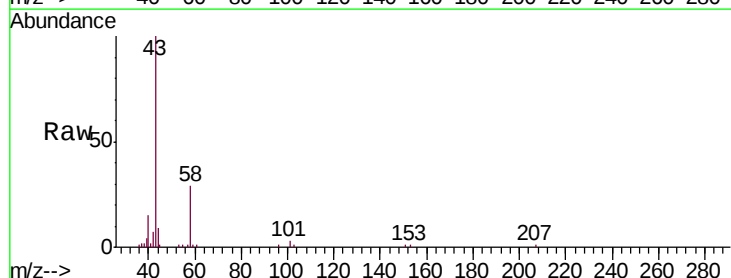
Acq: 16 Mar 2020 14:20

Tgt Ion: 43 Resp: 78828

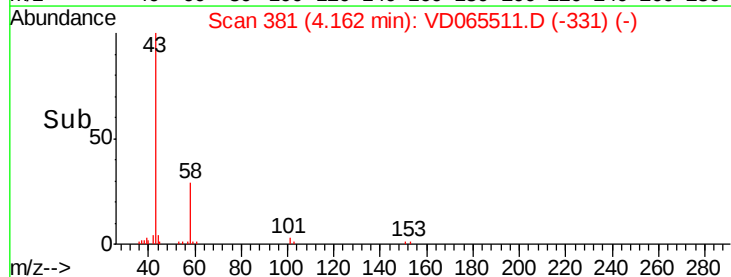
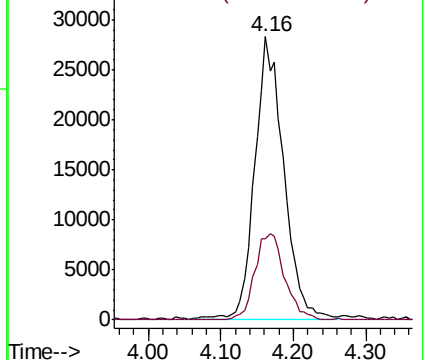
Ion Ratio Lower Upper

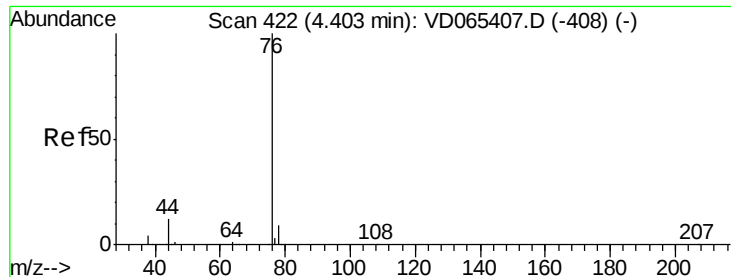
43 100

58 28.6 25.1 37.7



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

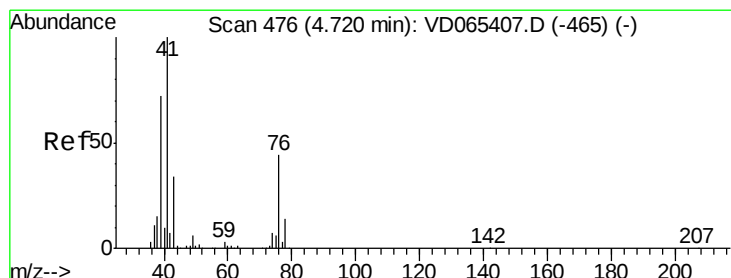
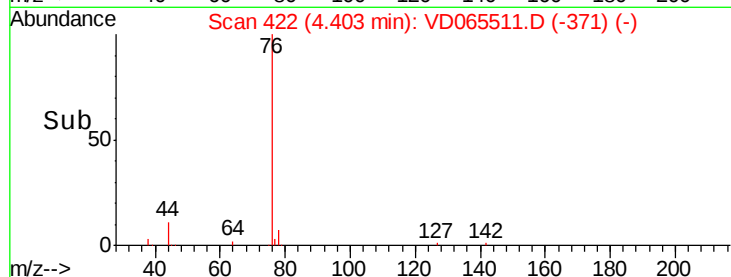
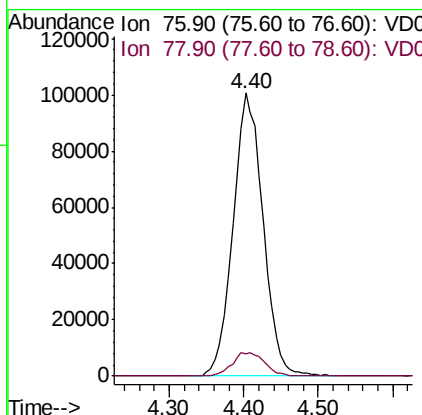
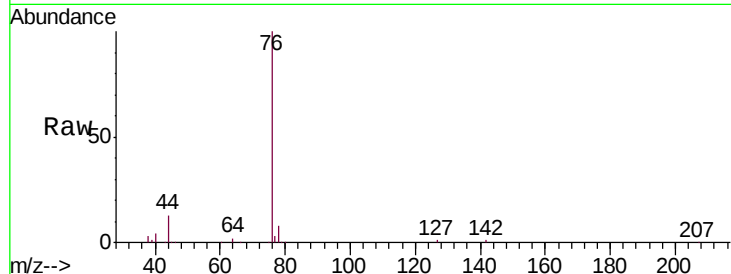




#17
Carbon Disulfide
Concen: 18.108 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

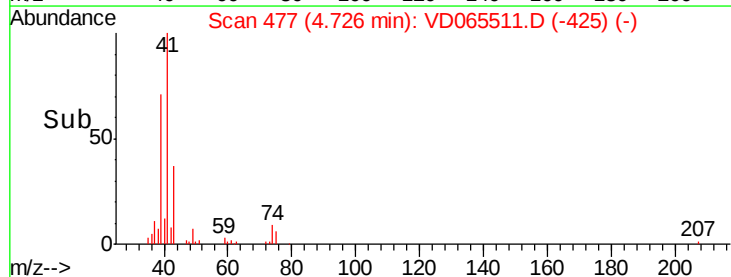
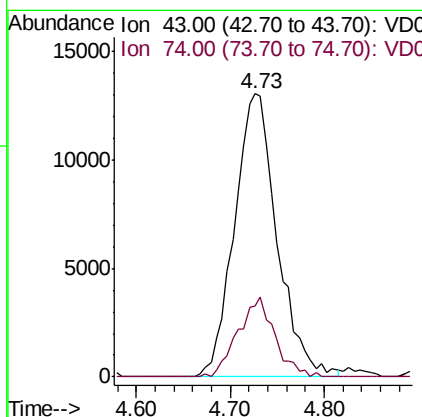
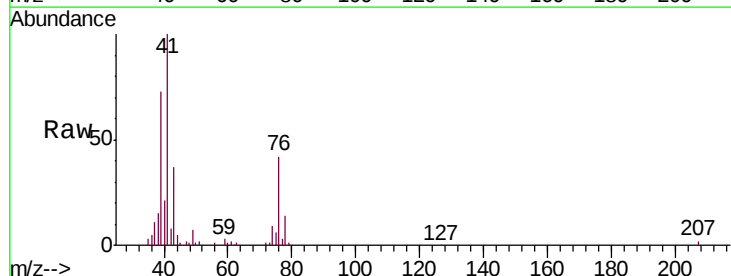
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

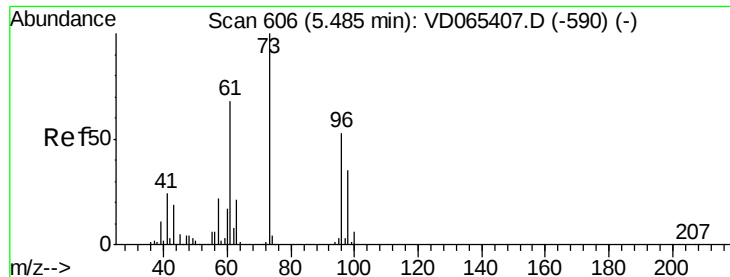
Tgt Ion: 76 Resp: 280455
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 18.625 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 43 Resp: 40988
Ion Ratio Lower Upper
43 100
74 24.3 19.6 29.4

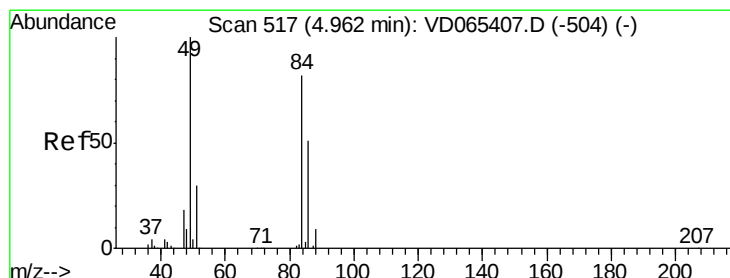
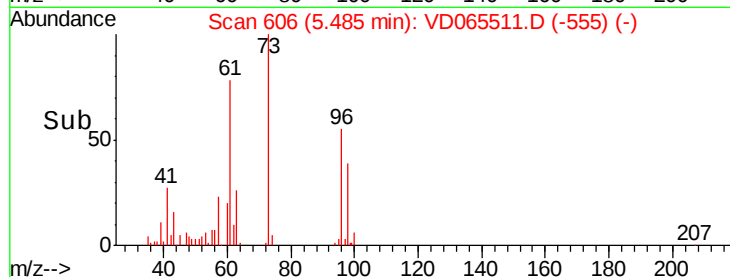
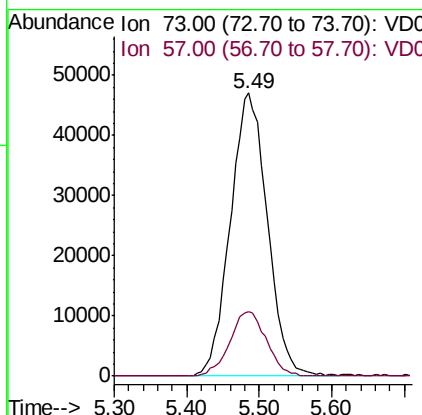
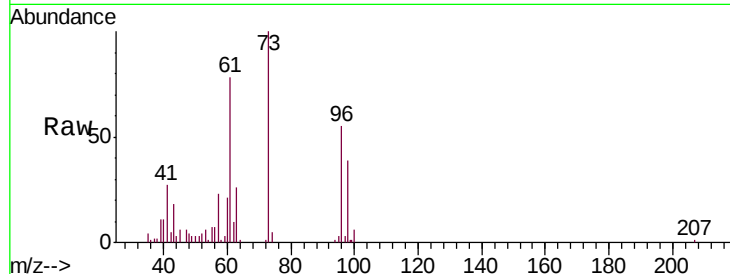




#19
Methyl tert-butyl Ether
Concen: 18.666 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

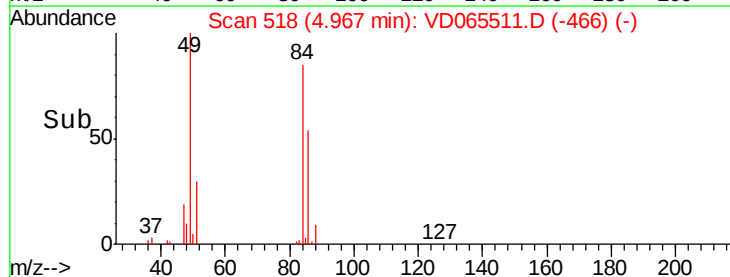
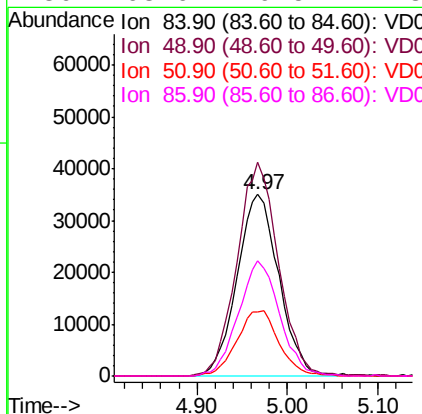
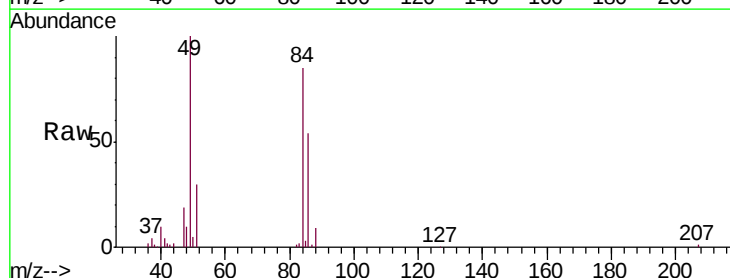
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

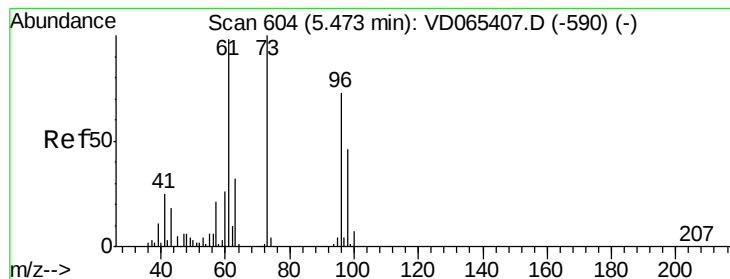
Tgt Ion: 73 Resp: 166943
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 21.797 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 84 Resp: 111876
Ion Ratio Lower Upper
84 100
49 117.6 97.7 146.5
51 35.5 28.8 43.2
86 63.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

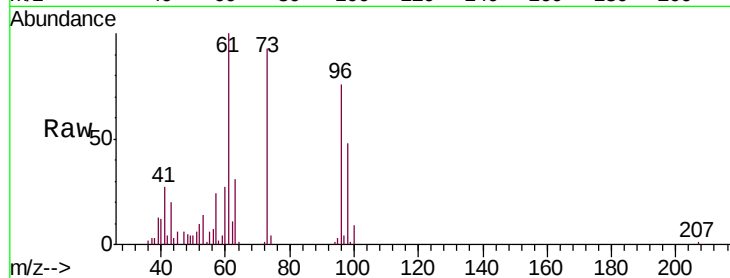
Tgt Ion: 96 Resp: 98375

Ion Ratio Lower Upper

96 100

61 130.7 106.3 159.5

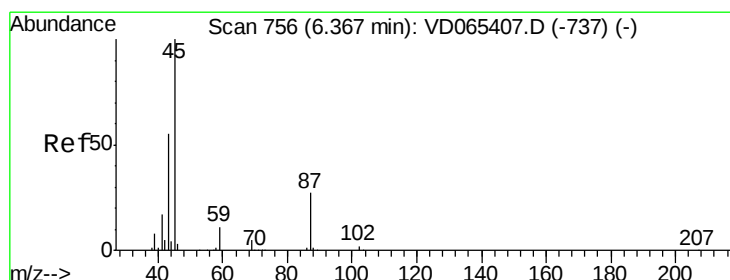
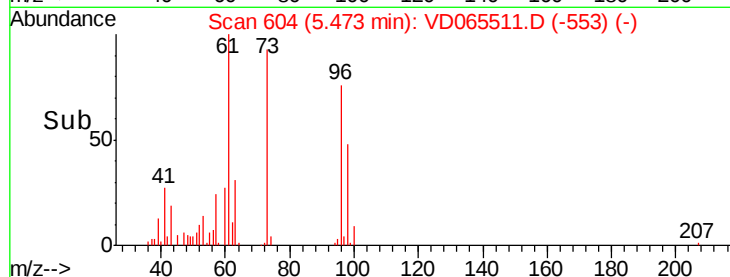
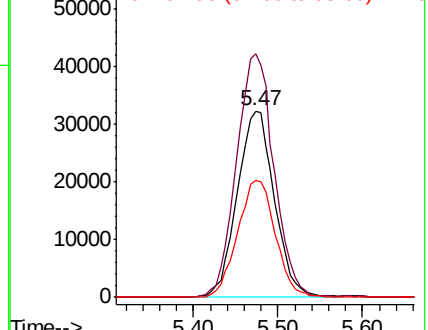
98 62.8 50.2 75.4



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: 19.656 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion: 45 Resp: 261057

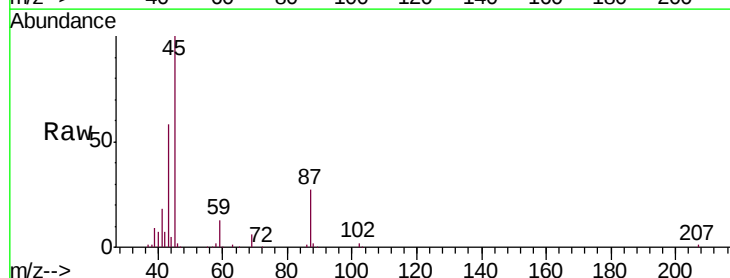
Ion Ratio Lower Upper

45 100

43 57.1 44.4 66.6

87 26.5 21.9 32.9

59 12.8 9.2 13.8

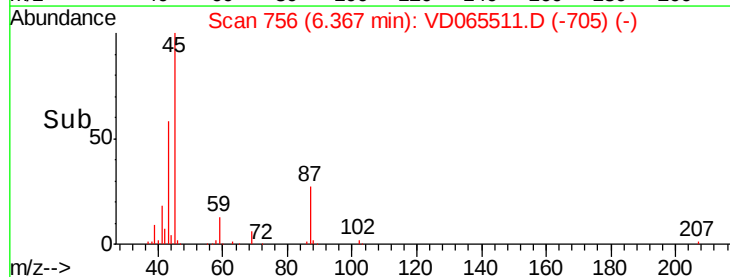
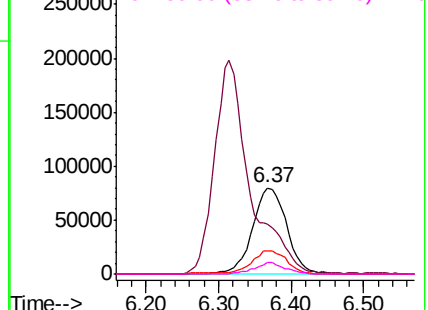


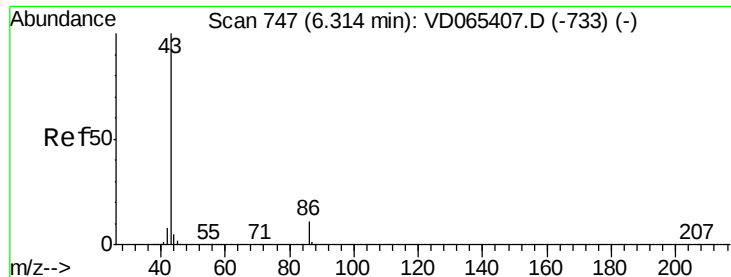
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 91.733 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

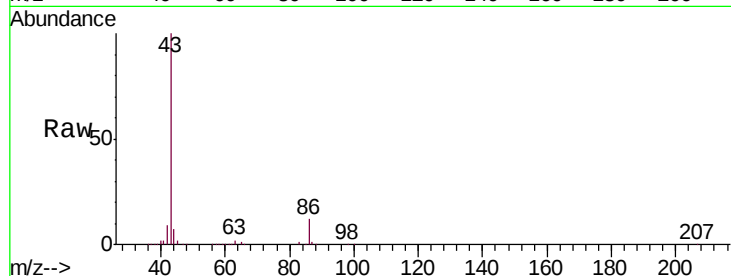
VD0316SBS01

Tgt Ion: 43 Resp: 676470

Ion Ratio Lower Upper

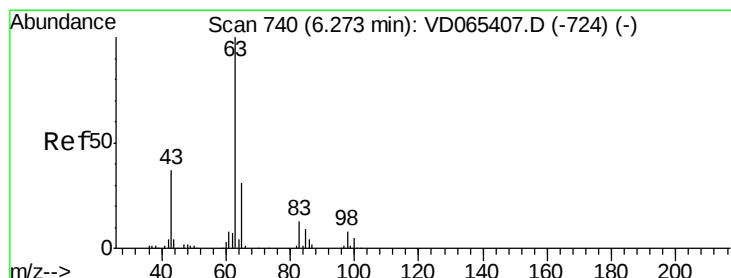
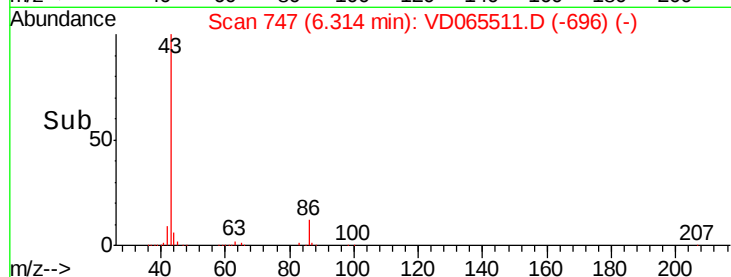
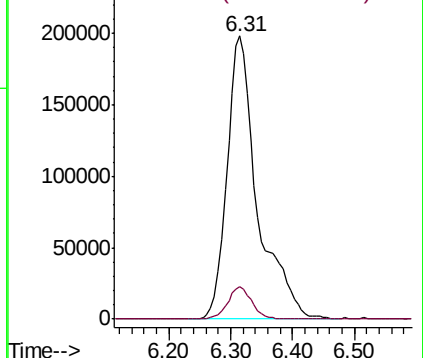
43 100

86 11.6 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: 19.133 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

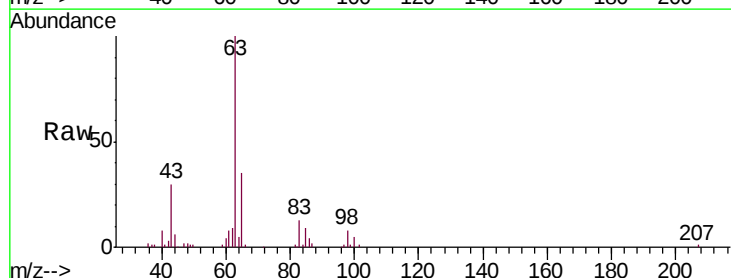
Tgt Ion: 63 Resp: 162987

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

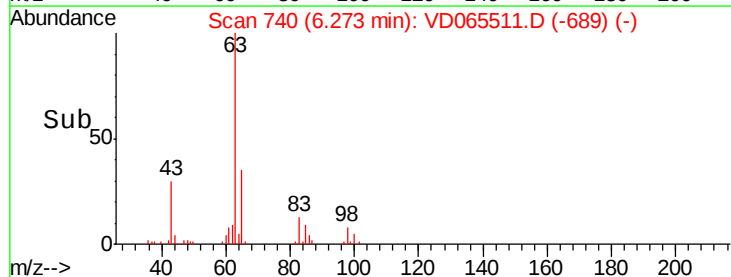
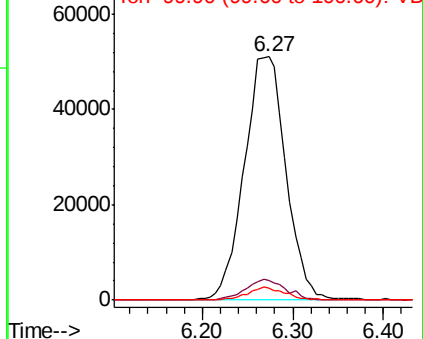
100 4.7 2.4 7.2

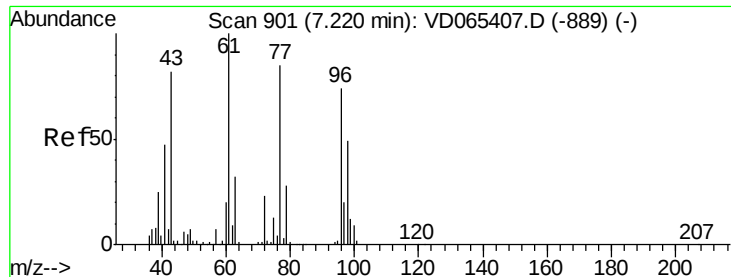


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.965 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

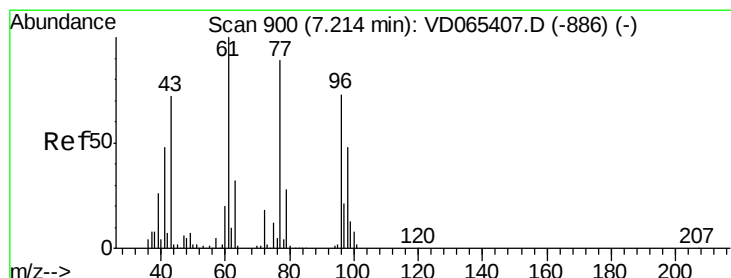
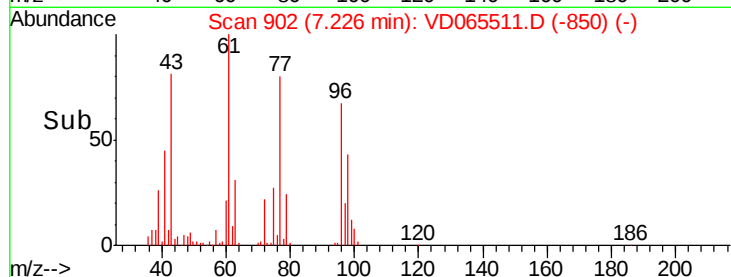
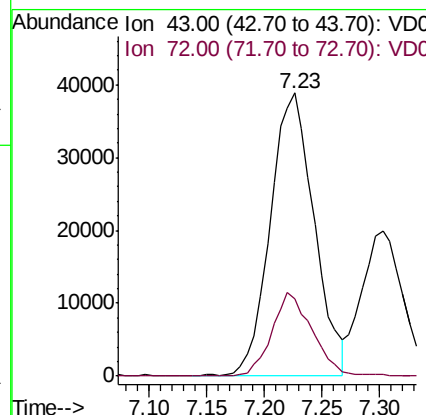
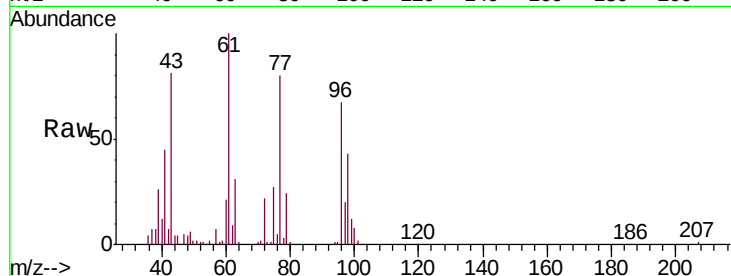
VD0316SBS01

Tgt Ion: 43 Resp: 102958

Ion Ratio Lower Upper

43 100

72 27.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 19.373 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065511.D

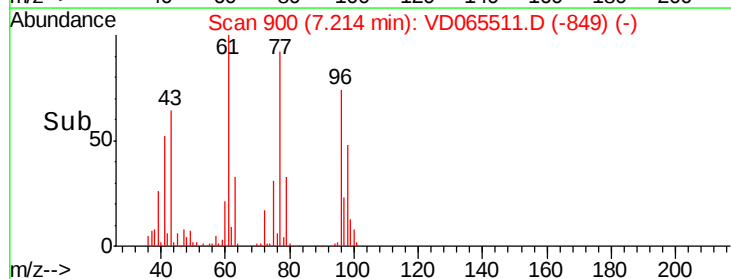
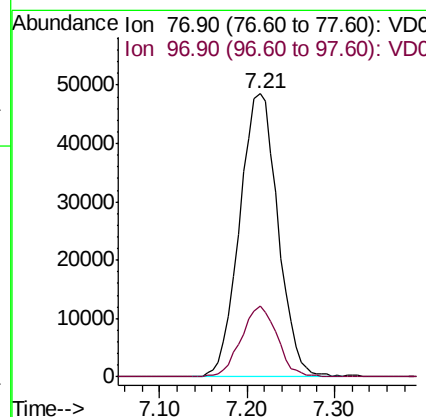
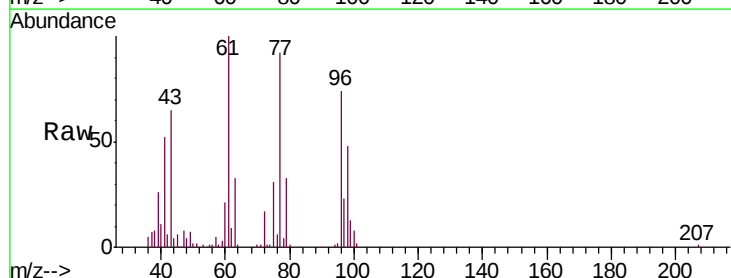
Acq: 16 Mar 2020 14:20

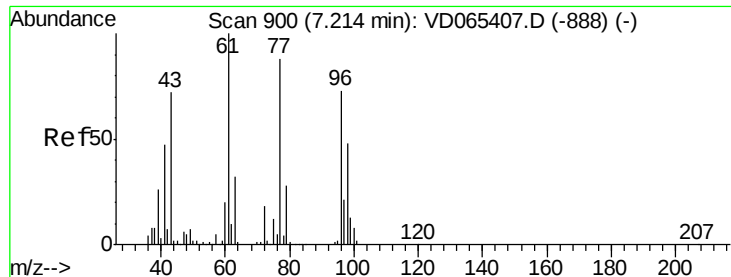
Tgt Ion: 77 Resp: 144220

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 18.969 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

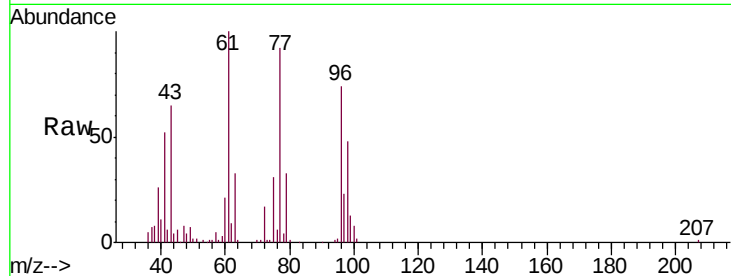
Tgt Ion: 96 Resp: 100312

Ion Ratio Lower Upper

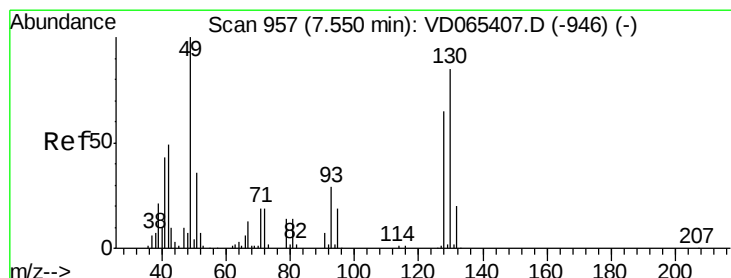
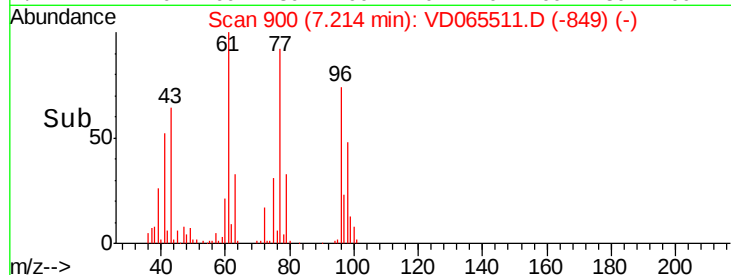
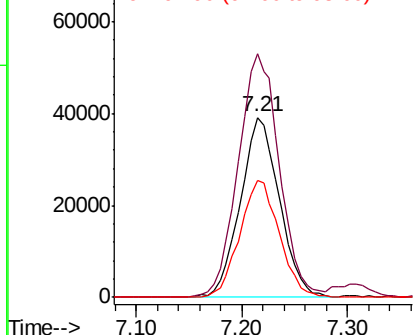
96 100

61 142.9 0.0 280.4

98 65.6 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: 19.899 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

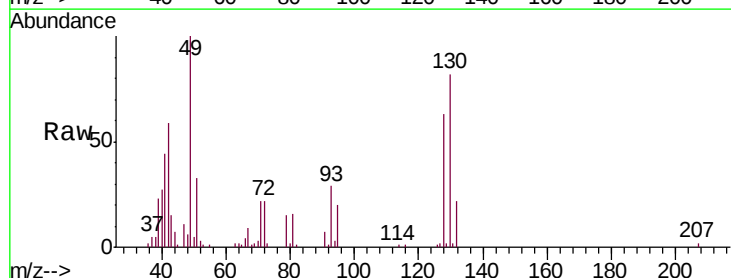
Tgt Ion: 49 Resp: 67821

Ion Ratio Lower Upper

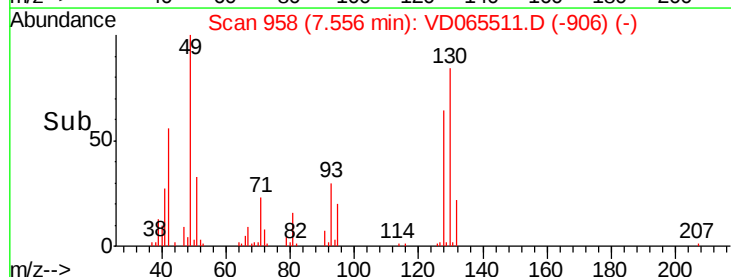
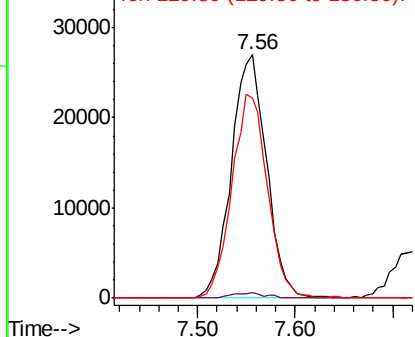
49 100

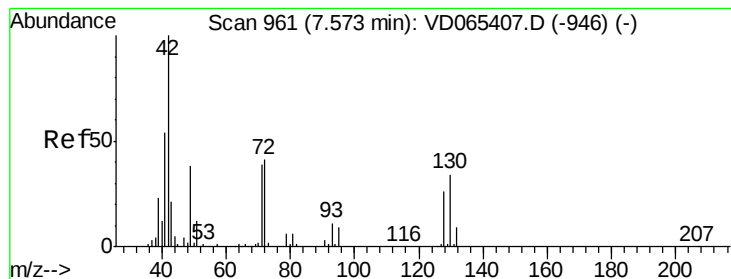
129 1.9 0.0 4.6

130 84.2 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: 88.308 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

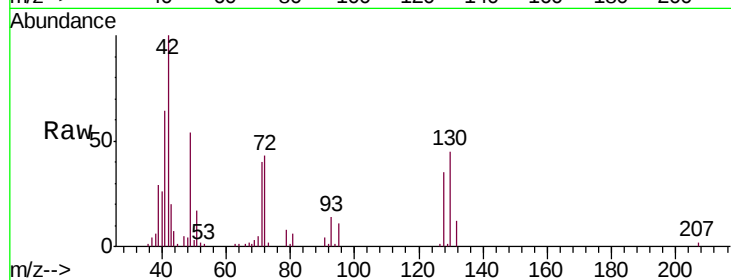
Tgt Ion: 42 Resp: 66766

Ion Ratio Lower Upper

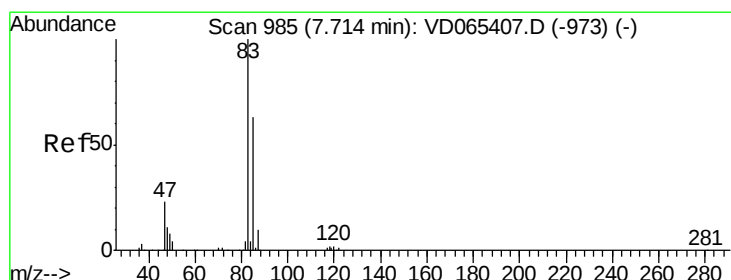
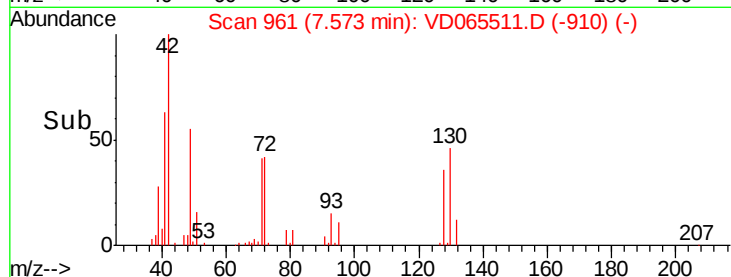
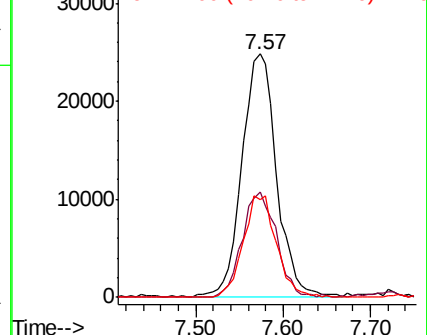
42 100

72 42.5 33.0 49.6

71 39.9 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: 19.513 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD065511.D

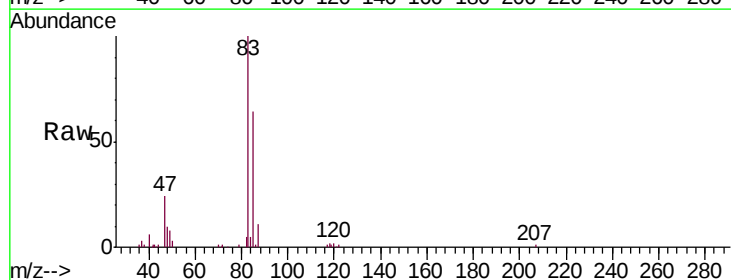
Acq: 16 Mar 2020 14:20

Tgt Ion: 83 Resp: 166142

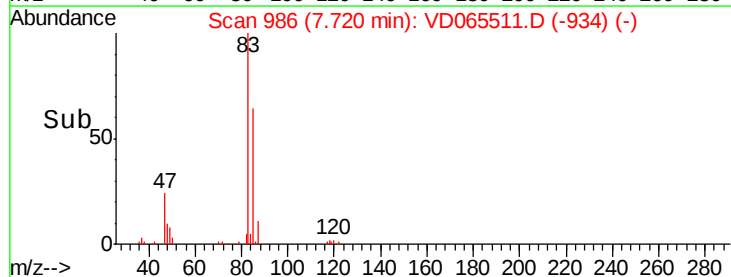
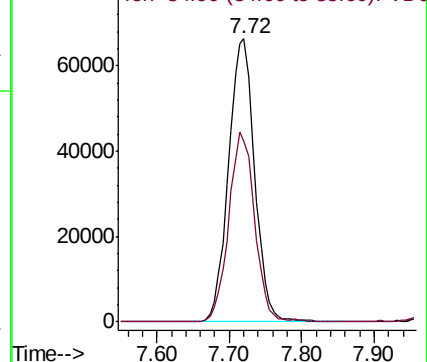
Ion Ratio Lower Upper

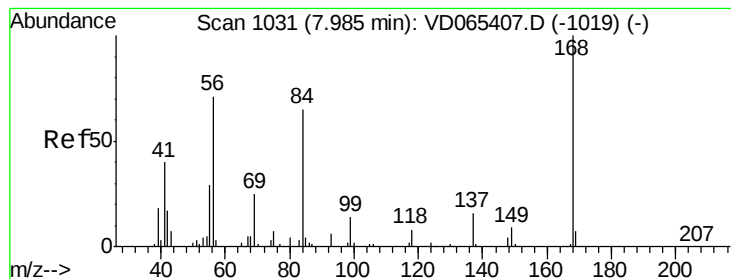
83 100

85 63.8 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: 18.133 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

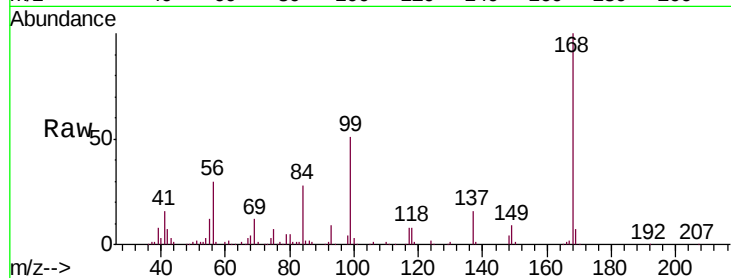
Tgt Ion: 56 Resp: 154463

Ion Ratio Lower Upper

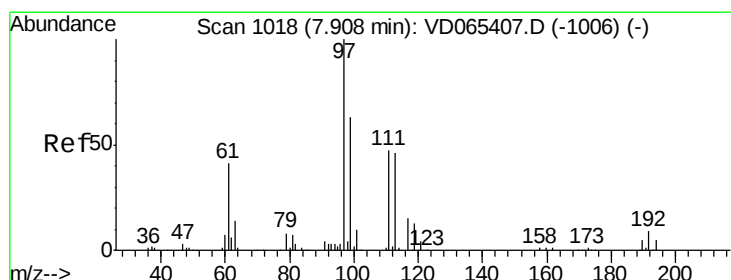
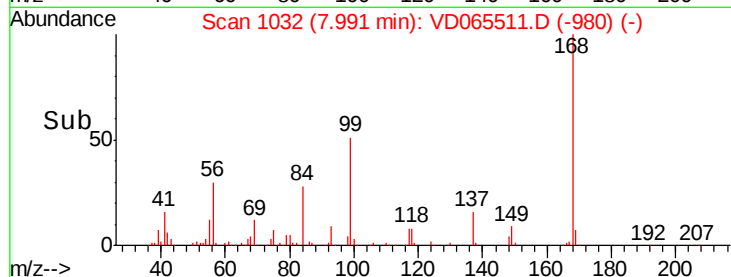
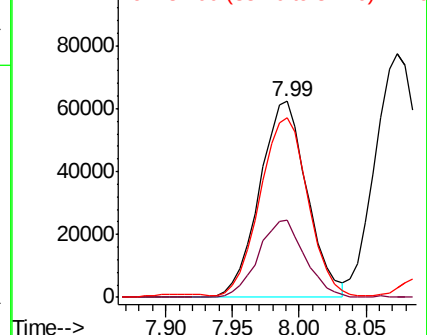
56 100

69 39.1 28.3 42.5

84 90.4 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: 19.251 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

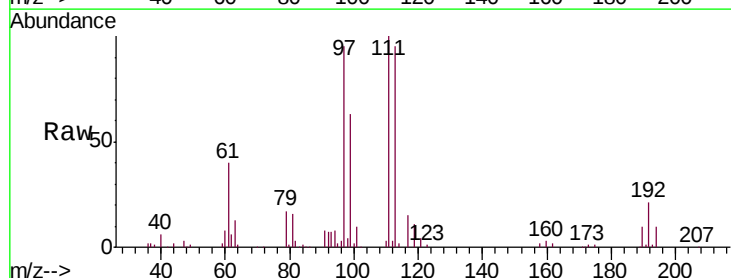
Tgt Ion: 97 Resp: 151480

Ion Ratio Lower Upper

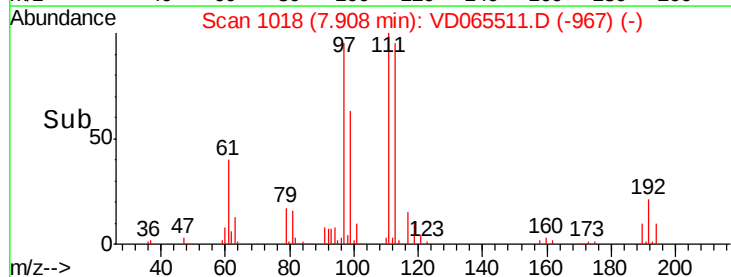
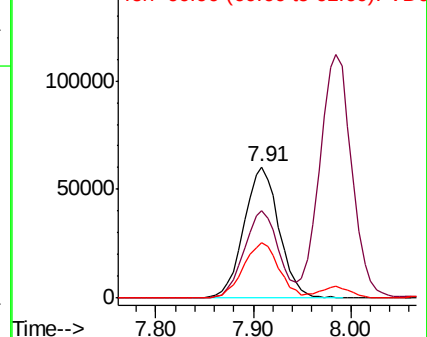
97 100

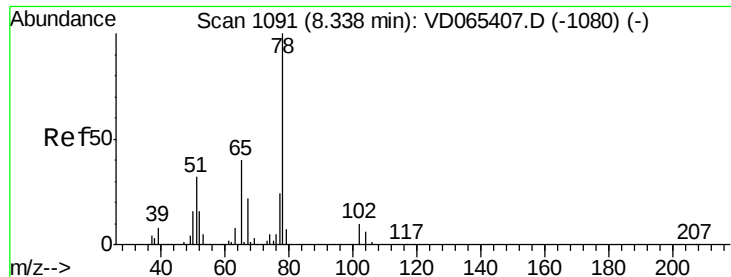
99 65.6 50.9 76.3

61 43.2 33.2 49.8



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





#33

1,2-Dichloroethane-d4

Concen: 46.093 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

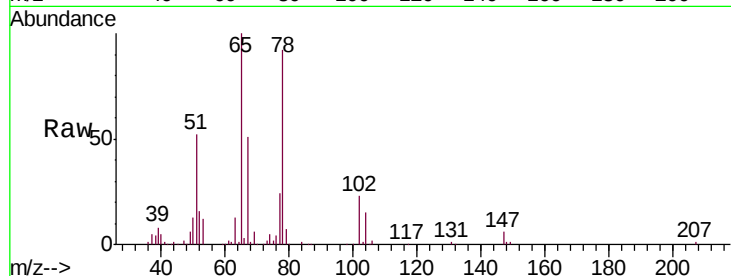
VD0316SBS01

Tgt Ion: 65 Resp: 197725

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

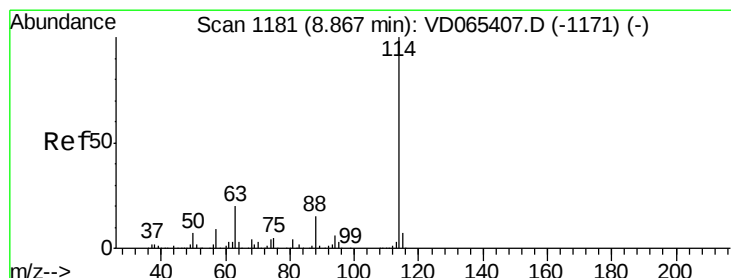
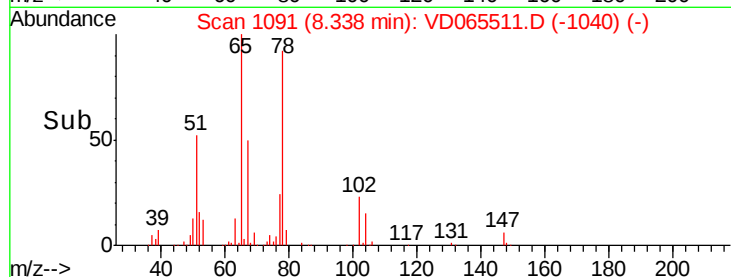
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

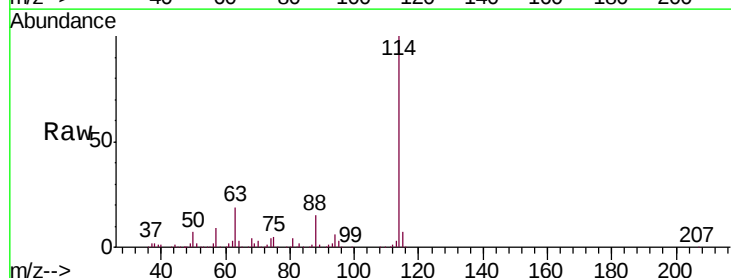
Tgt Ion: 114 Resp: 719062

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.0 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

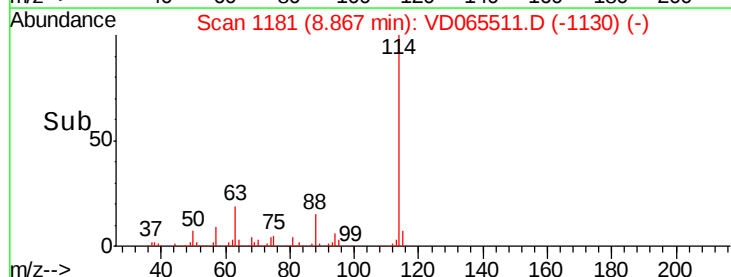
300000

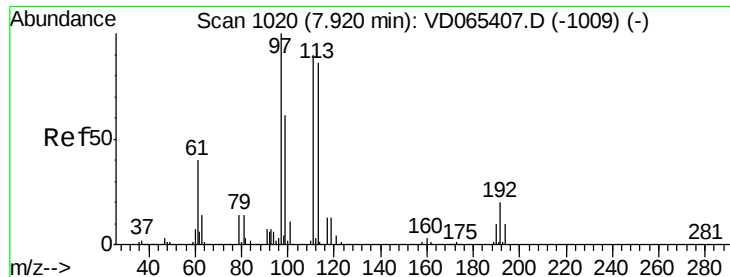
200000

100000

0

Time-->

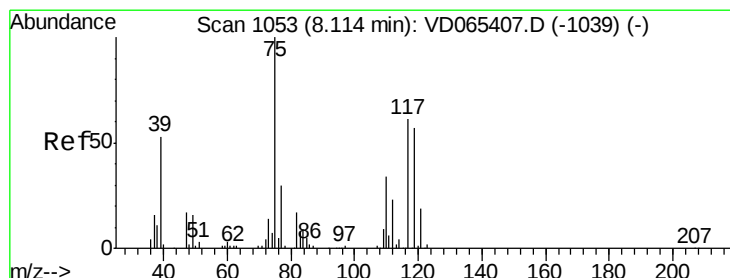
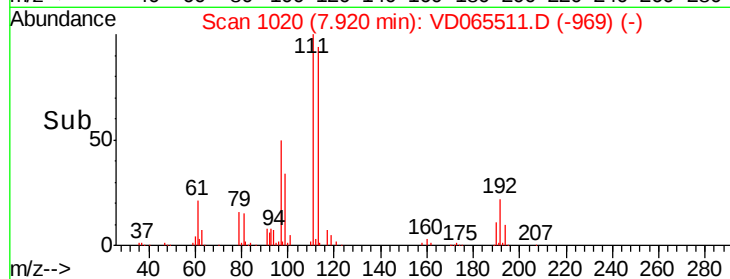
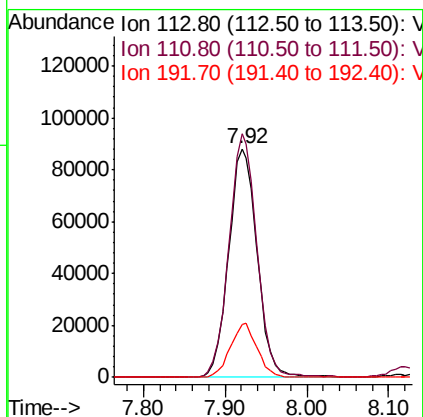
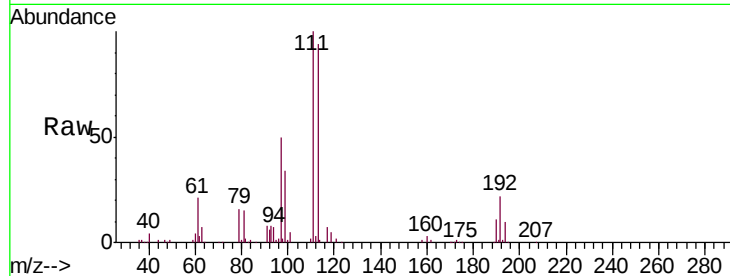




#35
 Dibromofluoromethane
 Concen: 47.871 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

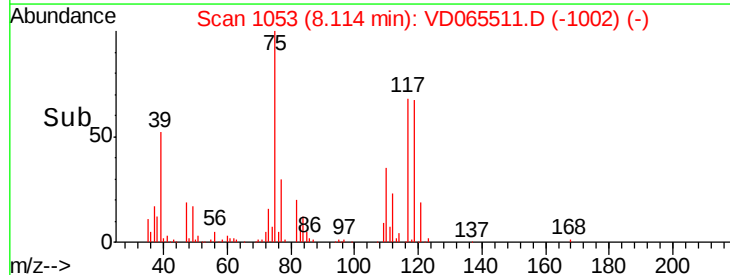
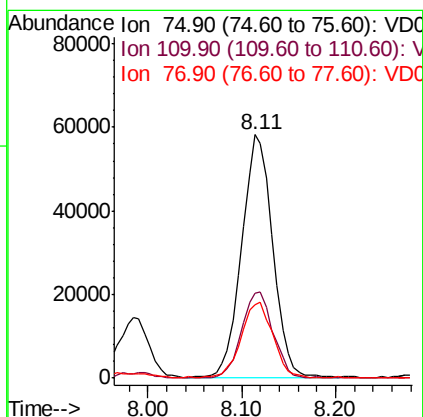
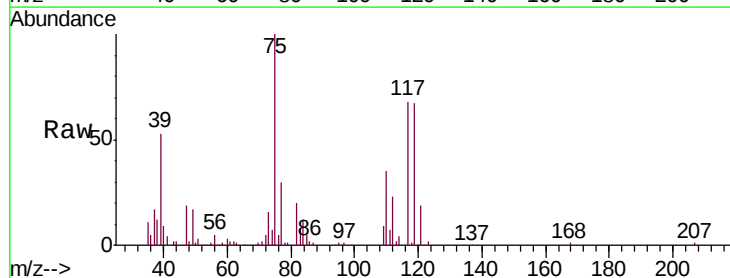
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

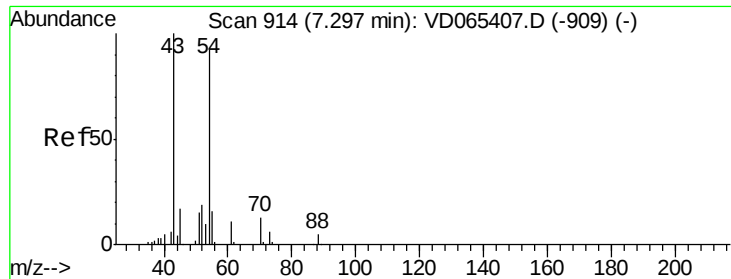
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.1	123.1
192	22.2	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 19.294 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	32.0	25.2	37.8

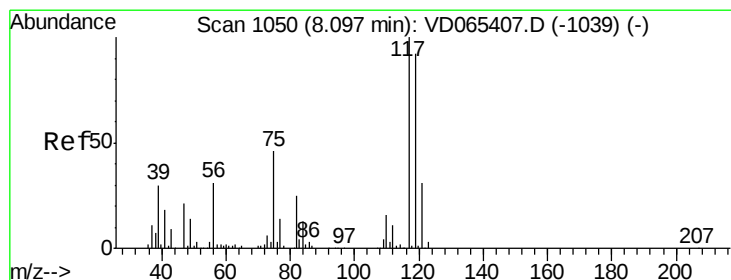
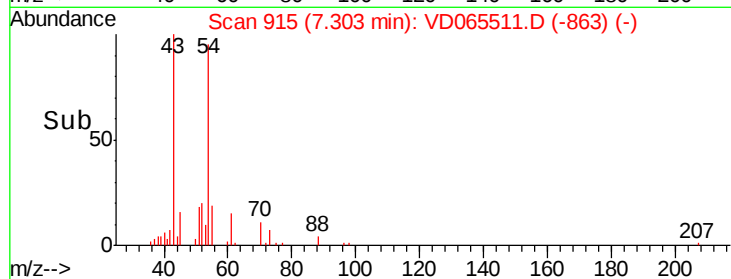
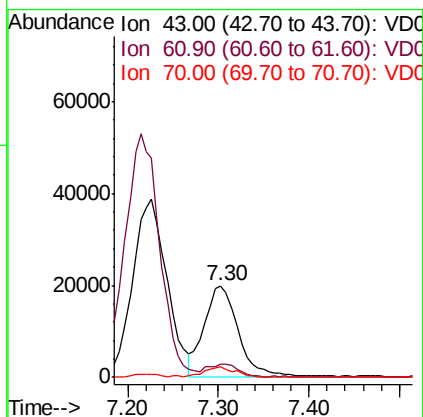
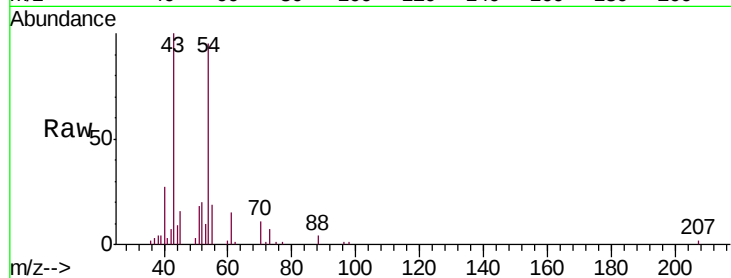




#37
Ethyl Acetate
Concen: 19.322 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

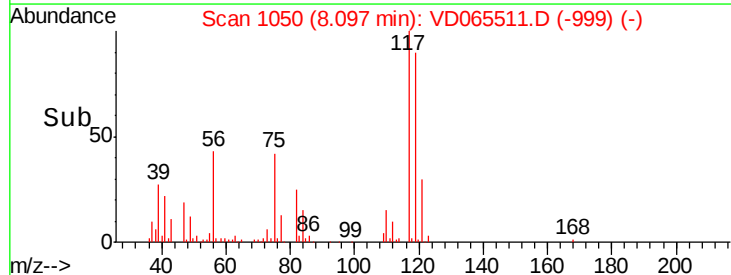
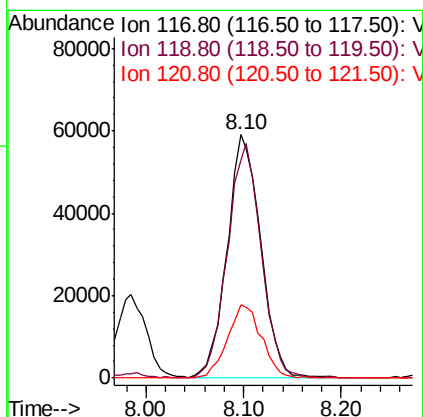
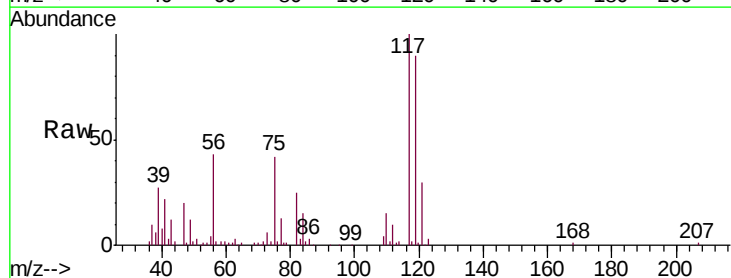
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

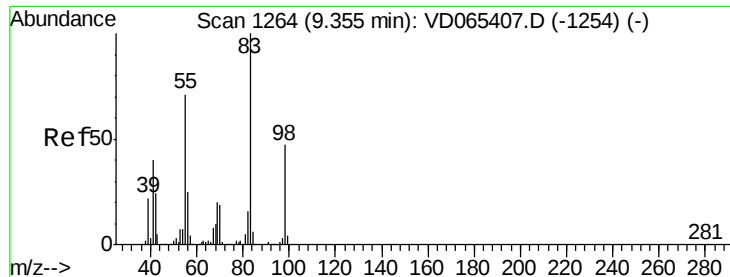
Tgt Ion: 43 Resp: 51476
Ion Ratio Lower Upper
43 100
61 13.3 11.4 17.0
70 11.0 9.0 13.4



#38
Carbon Tetrachloride
Concen: 19.791 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 117 Resp: 141453
Ion Ratio Lower Upper
117 100
119 89.3 73.3 109.9
121 30.2 25.0 37.4

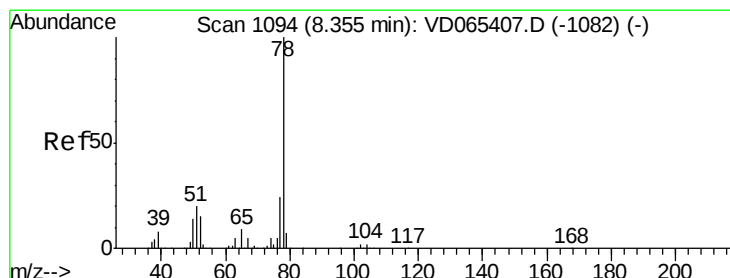
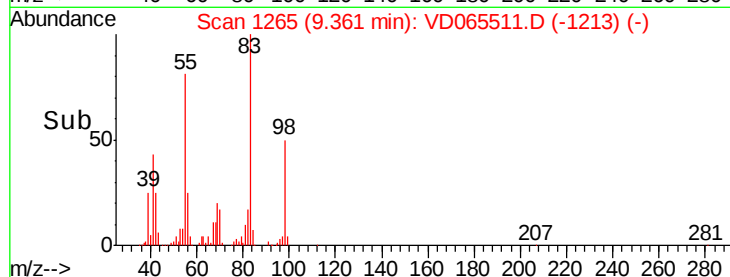
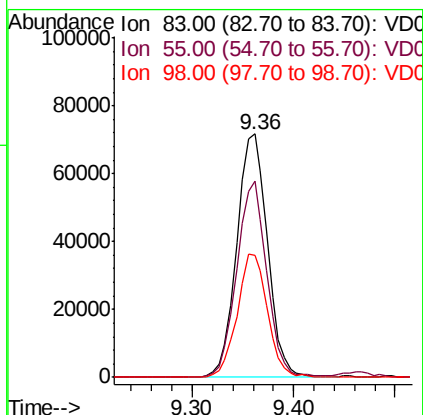
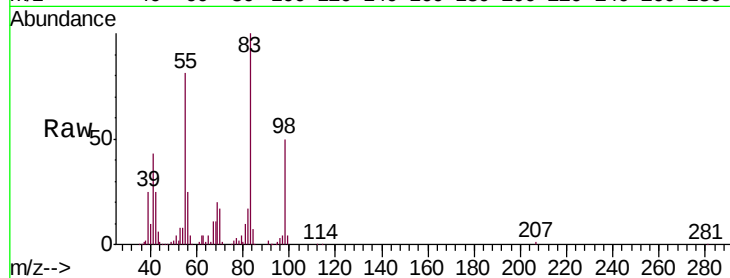




#39
Methylcyclohexane
Concen: 18.161 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

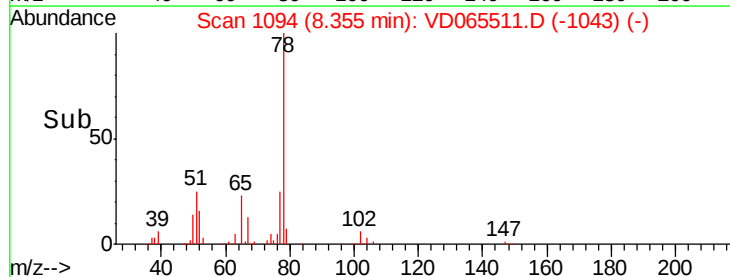
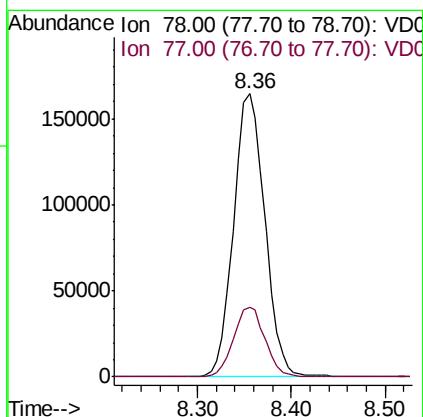
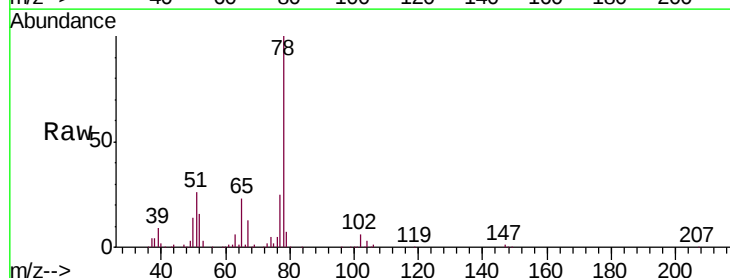
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

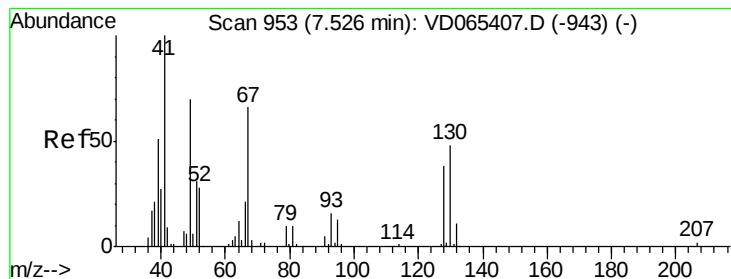
Tgt Ion: 83 Resp: 151188
Ion Ratio Lower Upper
83 100
55 80.5 57.1 85.7
98 50.2 37.8 56.8



#40
Benzene
Concen: 19.747 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 78 Resp: 380559
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0





#41

Methacrylonitrile

Concen: 15.980 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tgt Ion: 41 Resp: 22515

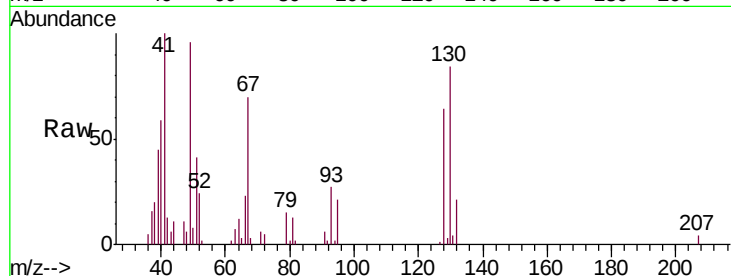
Ion Ratio Lower Upper

41 100

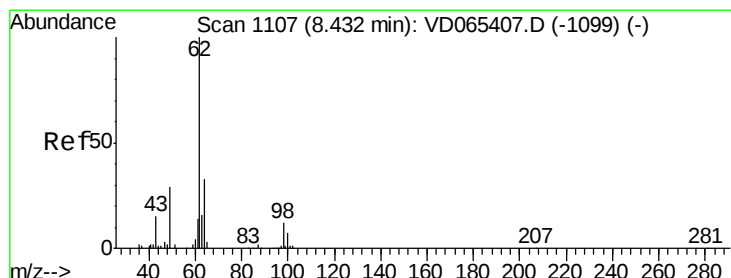
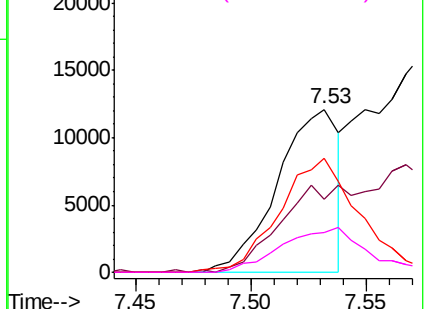
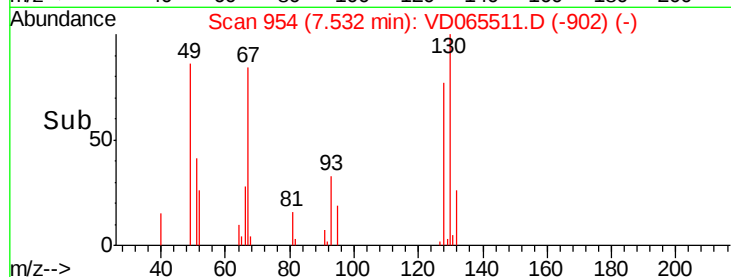
39 61.6 55.0 82.6

67 90.3 70.3 105.5

52 38.9 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: 20.227 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065511.D

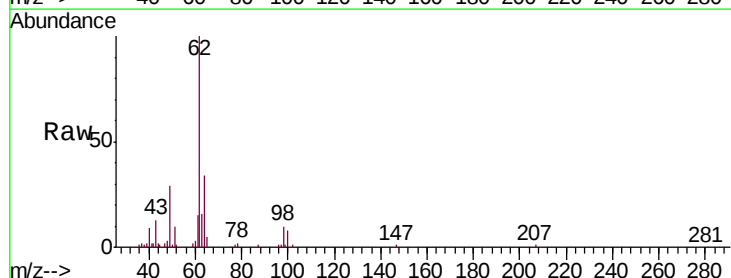
Acq: 16 Mar 2020 14:20

Tgt Ion: 62 Resp: 101789

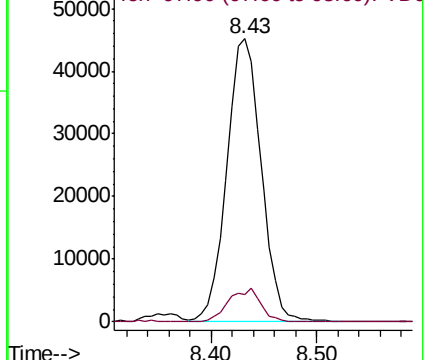
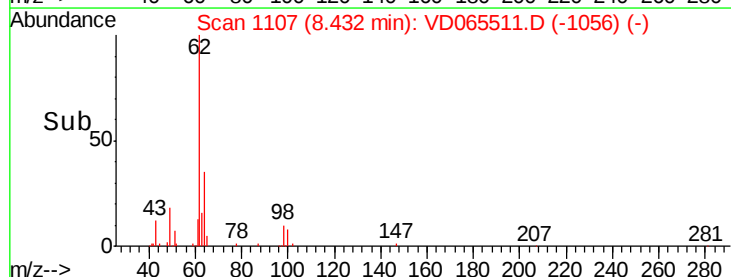
Ion Ratio Lower Upper

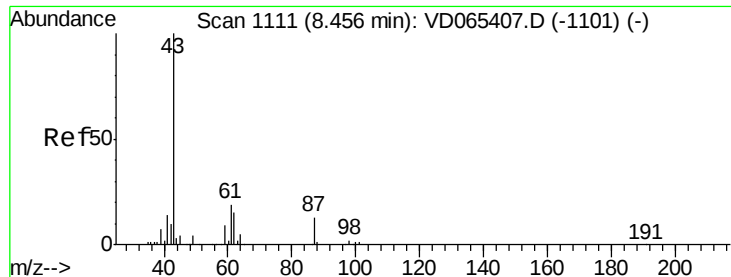
62 100

98 11.1 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: 18.337 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

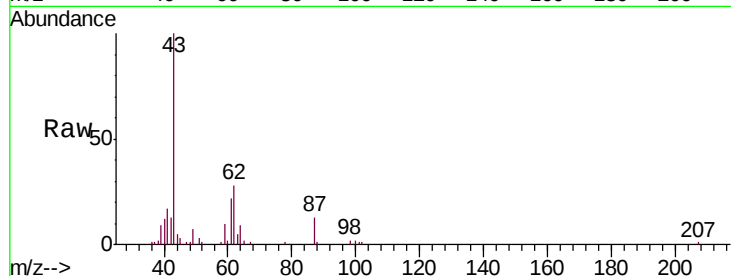
Tgt Ion: 43 Resp: 90204

Ion Ratio Lower Upper

43 100

61 32.7 25.0 37.6

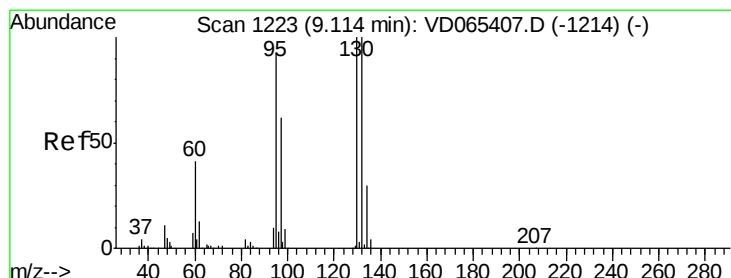
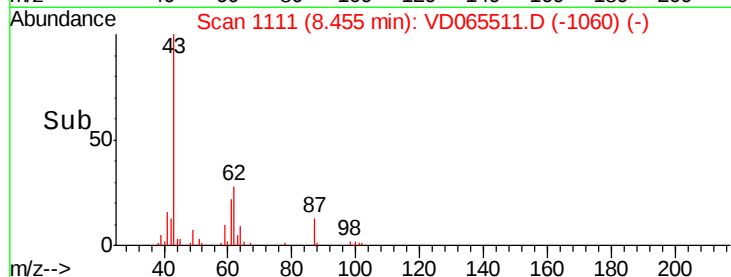
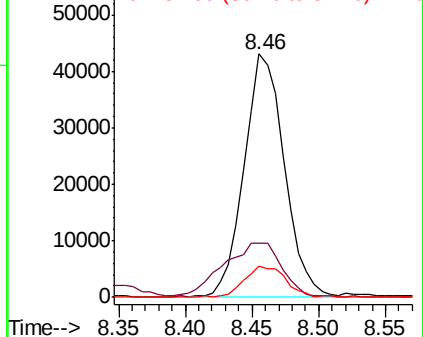
87 13.4 11.0 16.4



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: 19.567 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065511.D

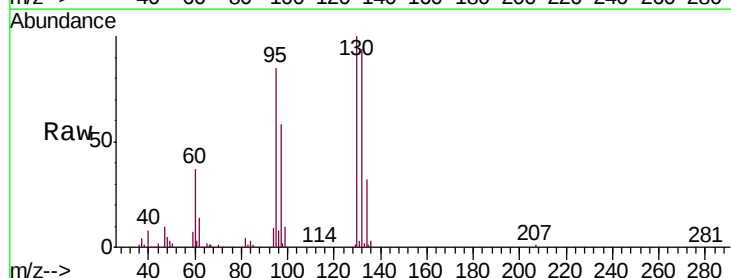
Acq: 16 Mar 2020 14:20

Tgt Ion: 130 Resp: 106494

Ion Ratio Lower Upper

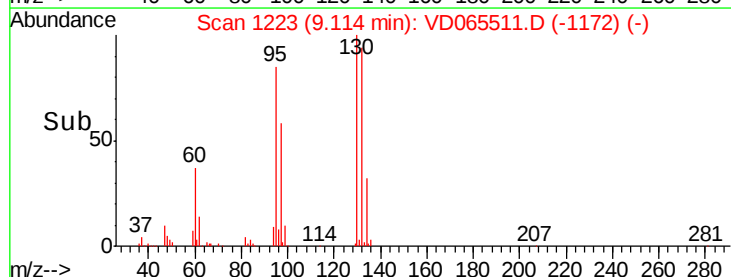
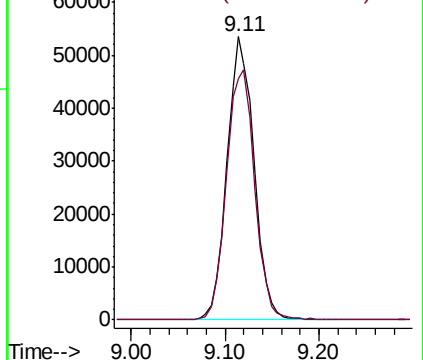
130 100

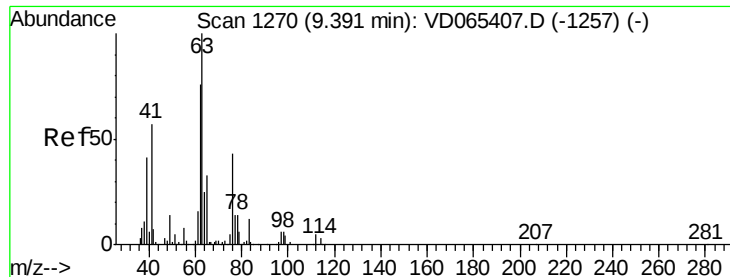
95 85.3 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.933 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

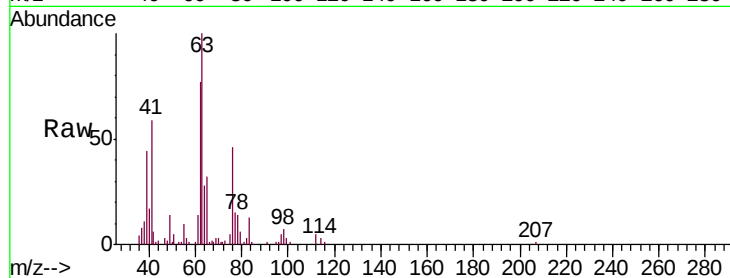
VD0316SBS01

Tgt Ion: 63 Resp: 93053

Ion Ratio Lower Upper

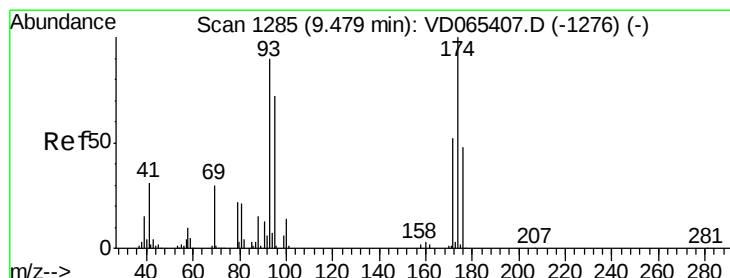
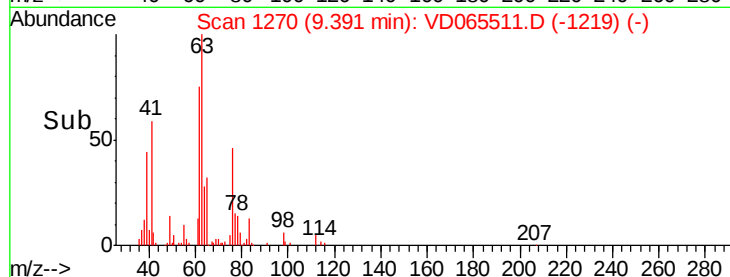
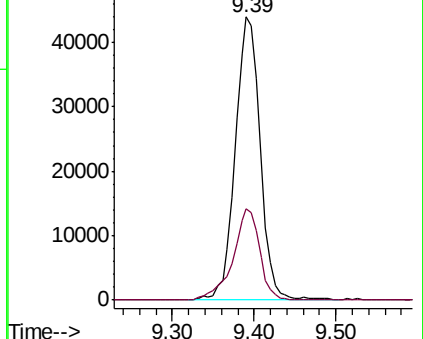
63 100

65 32.3 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: 19.790 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

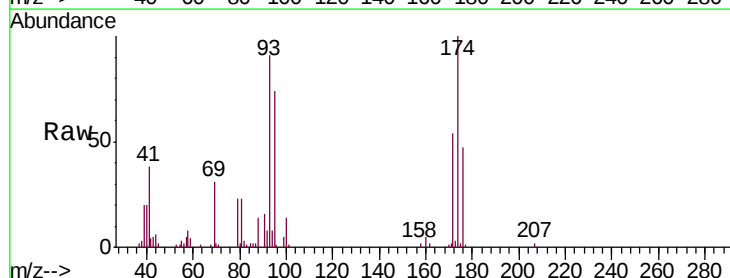
Tgt Ion: 93 Resp: 47919

Ion Ratio Lower Upper

93 100

95 83.6 65.0 97.6

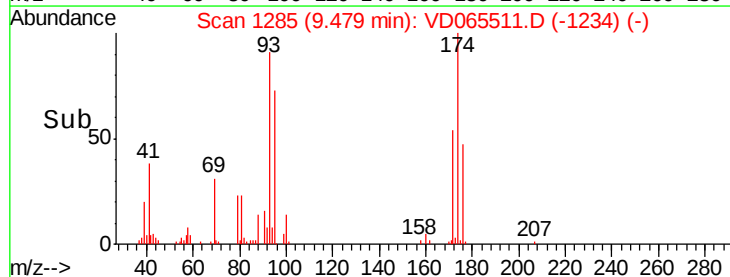
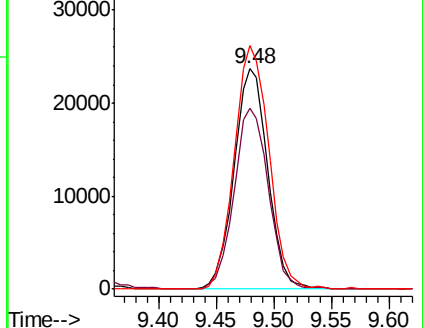
174 113.7 88.3 132.5

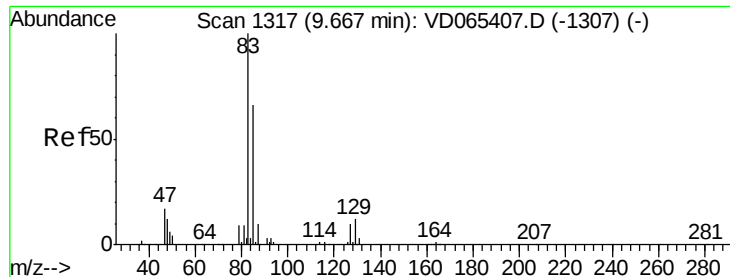


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

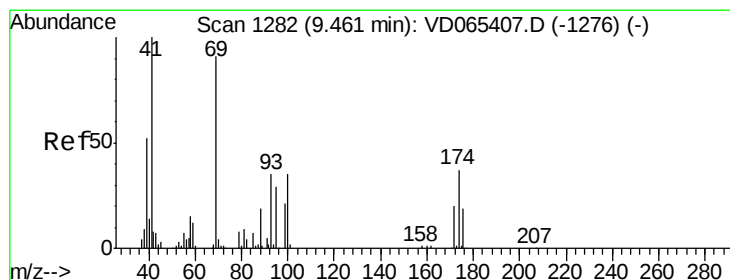
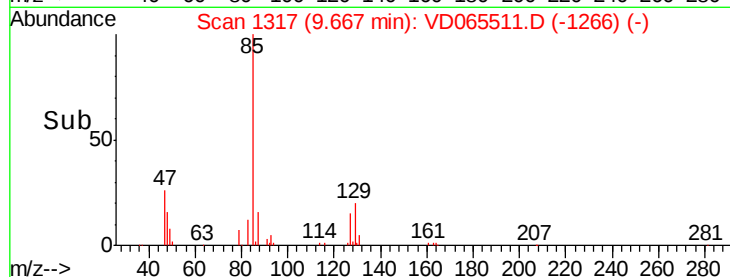
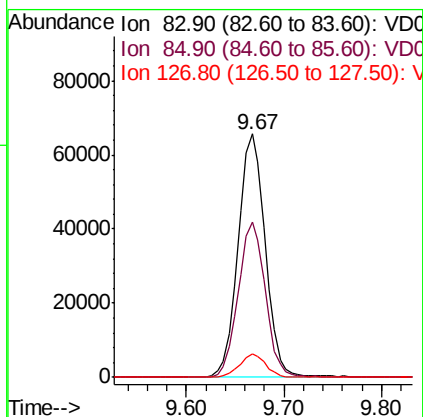
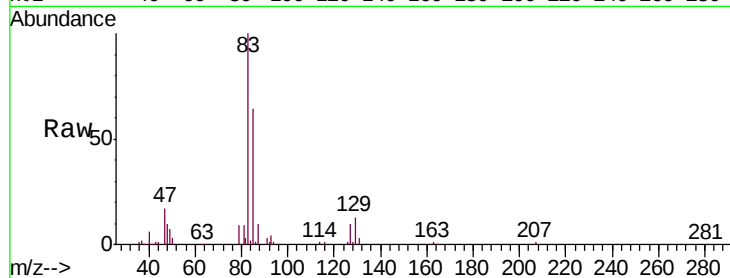




#47
Bromodichloromethane
Concen: 20.228 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

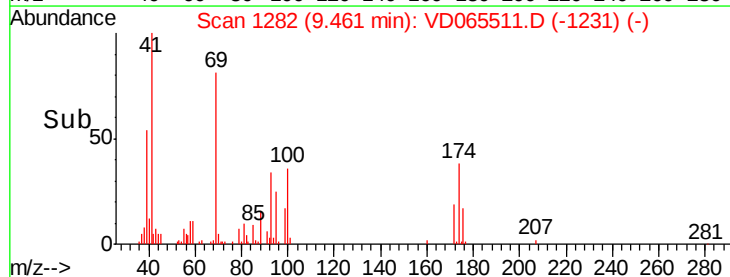
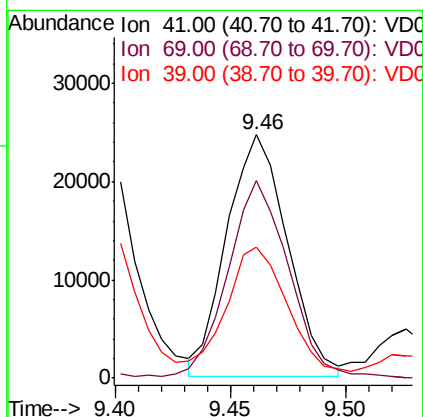
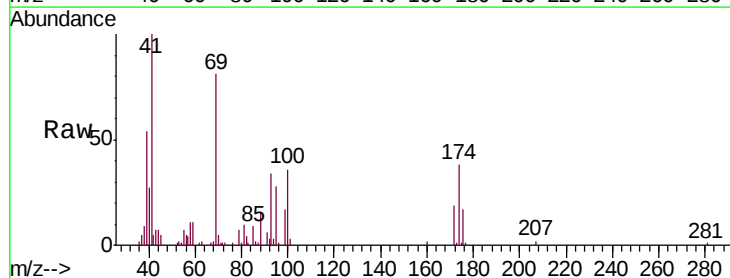
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

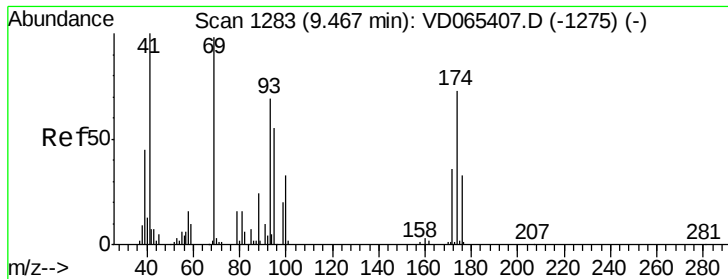
Tgt Ion: 83 Resp: 127423
Ion Ratio Lower Upper
83 100
85 63.9 52.8 79.2
127 9.8 8.0 12.0



#48
Methyl methacrylate
Concen: 19.518 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 41 Resp: 45164
Ion Ratio Lower Upper
41 100
69 81.8 72.5 108.7
39 49.7 41.6 62.4

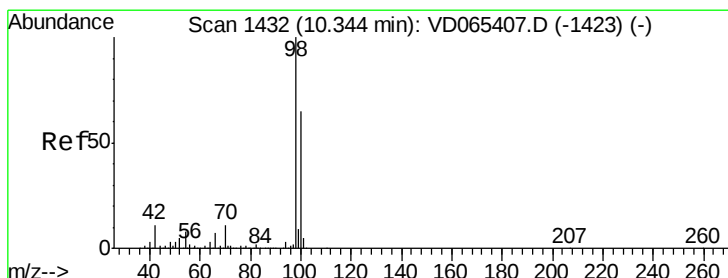
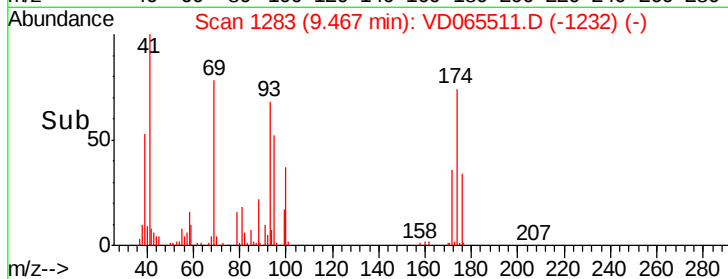
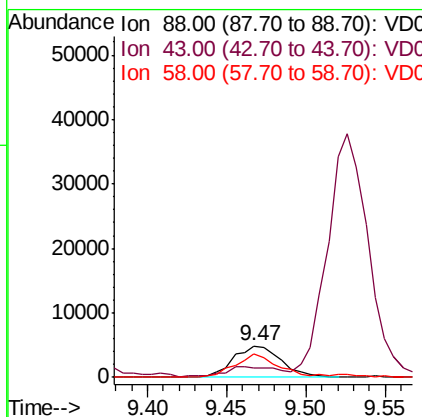
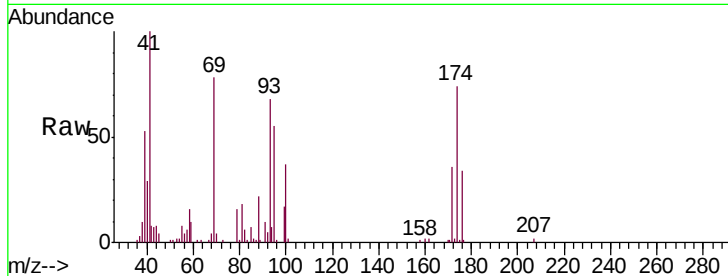




#49
1,4-Dioxane
Concen: 367.144 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

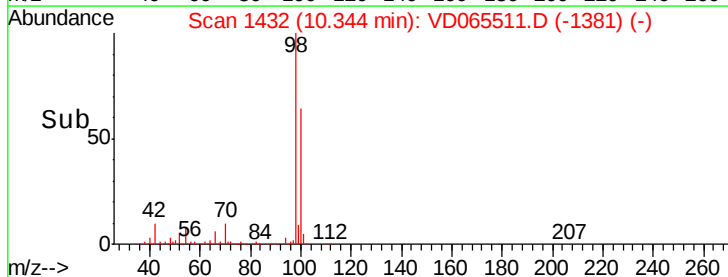
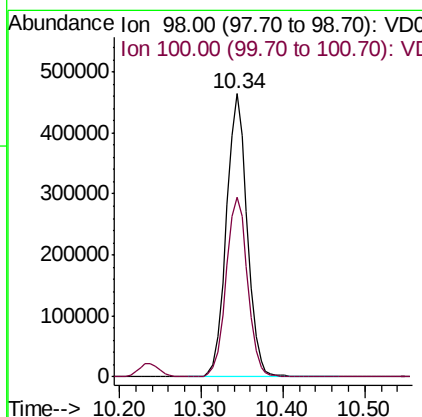
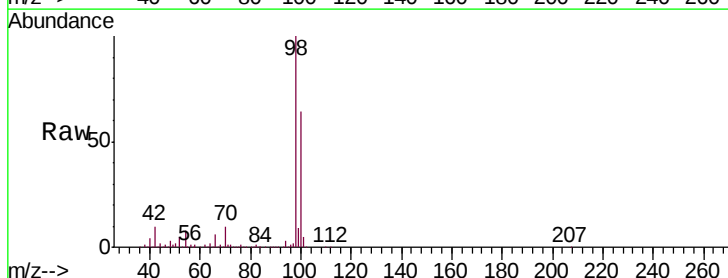
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

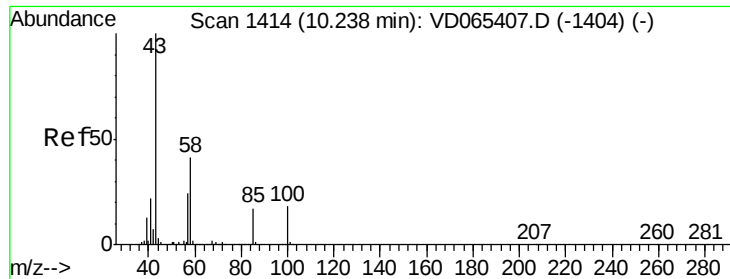
Tgt Ion: 88 Resp: 10169
Ion Ratio Lower Upper
88 100
43 40.2 24.5 36.7#
58 73.3 54.5 81.7



#50
Toluene-d8
Concen: 48.213 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 98 Resp: 822483
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

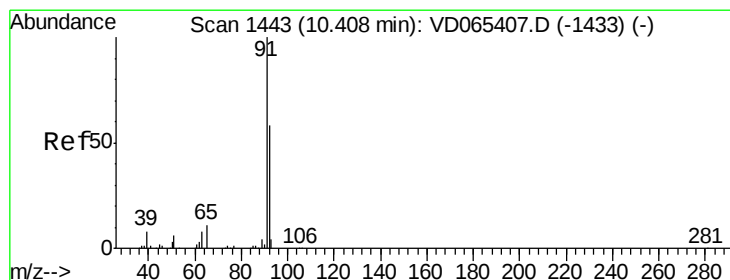
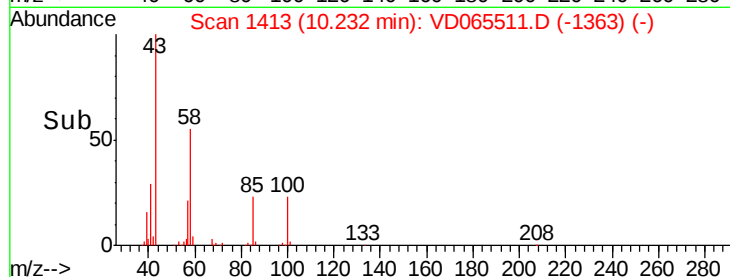
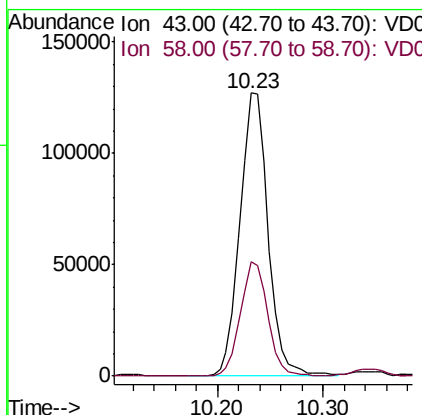
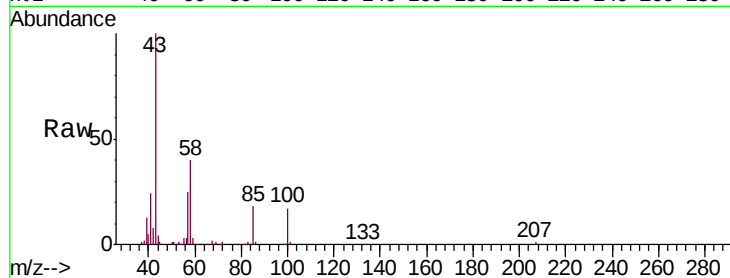




#51
4-Methyl-2-Pentanone
Concen: 95.234 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

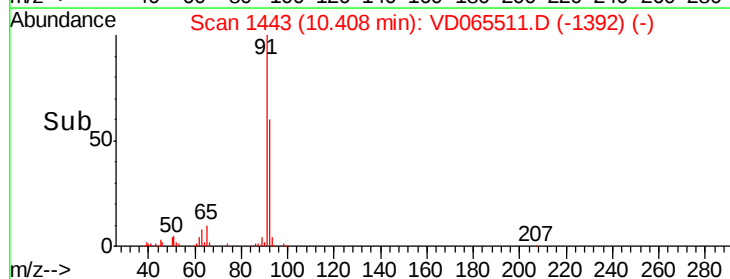
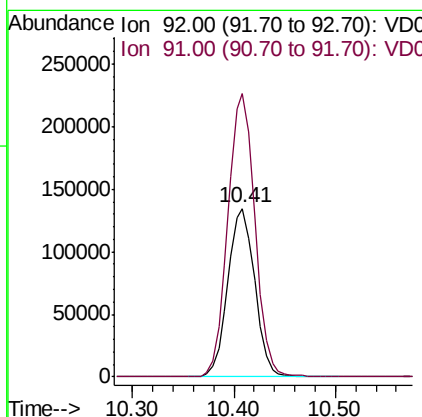
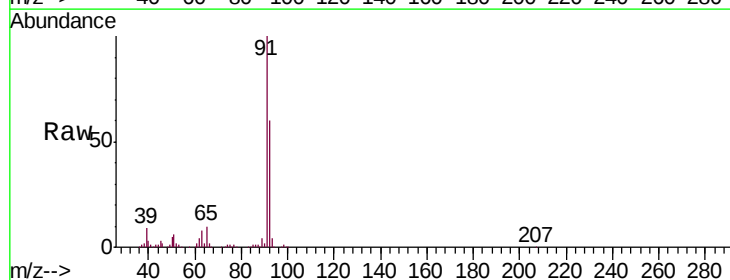
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

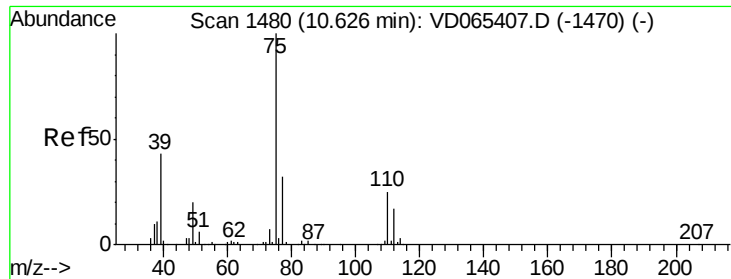
Tgt Ion: 43 Resp: 235743
Ion Ratio Lower Upper
43 100
58 39.3 31.8 47.6



#52
Toluene
Concen: 20.466 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 92 Resp: 248462
Ion Ratio Lower Upper
92 100
91 168.9 137.8 206.8

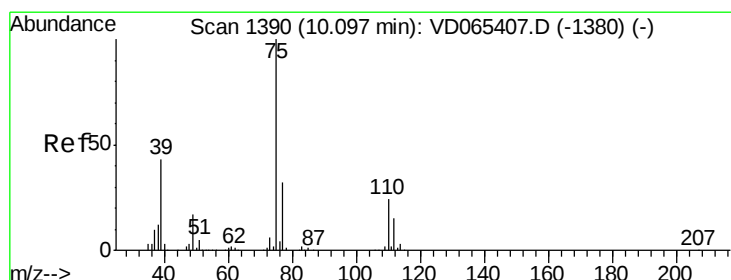
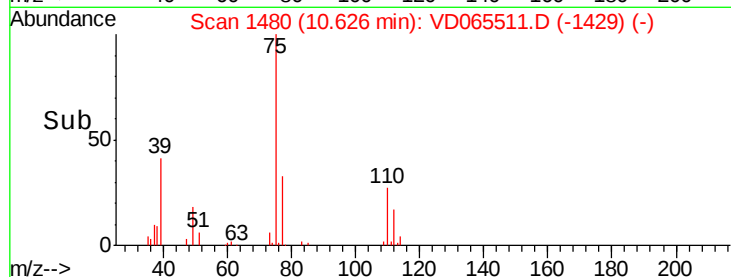
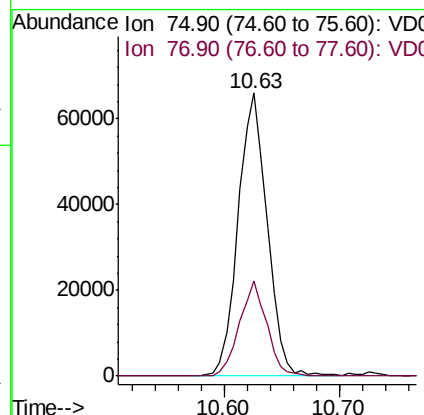
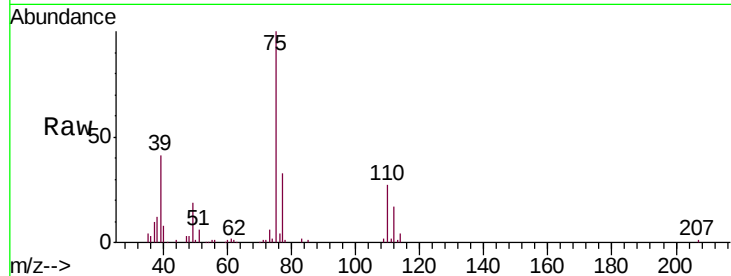




#53
 t-1,3-Dichloropropene
 Concen: 19.584 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

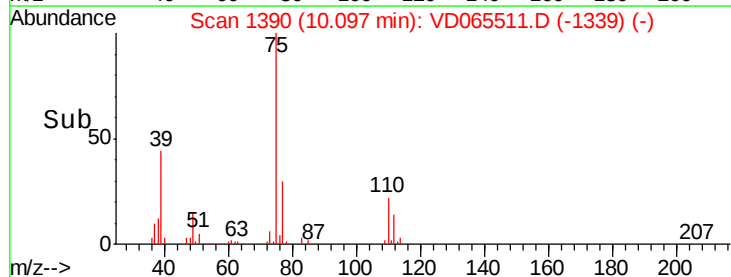
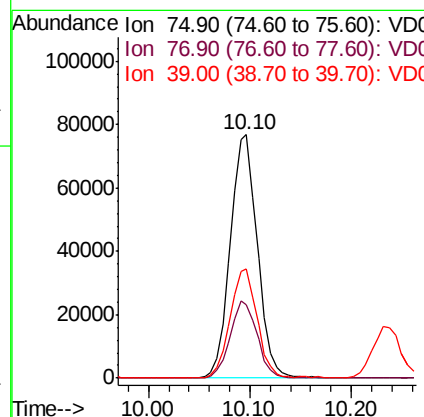
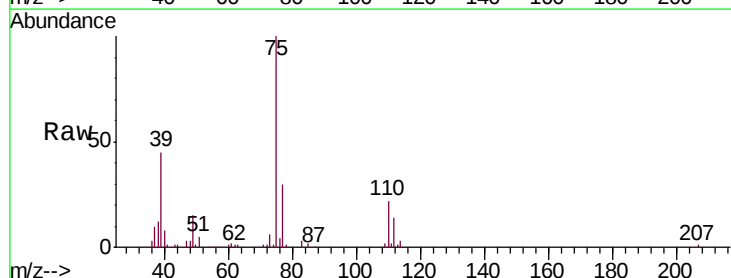
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

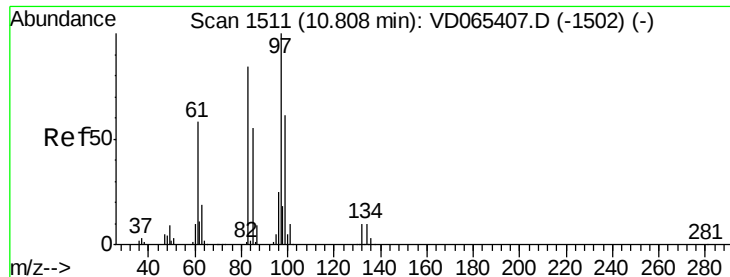
Tgt Ion: 75 Resp: 115289
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.984 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 75 Resp: 142399
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9
 39 44.6 34.6 52.0

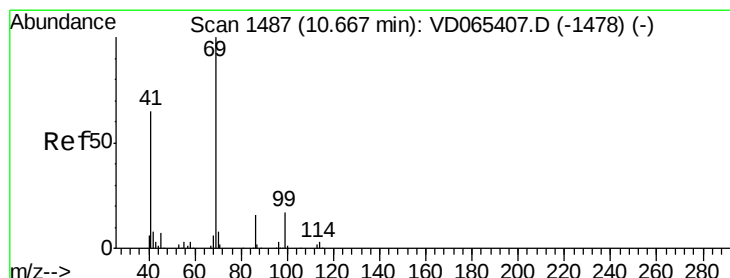
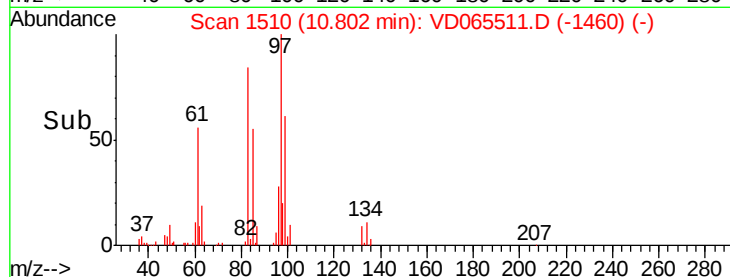
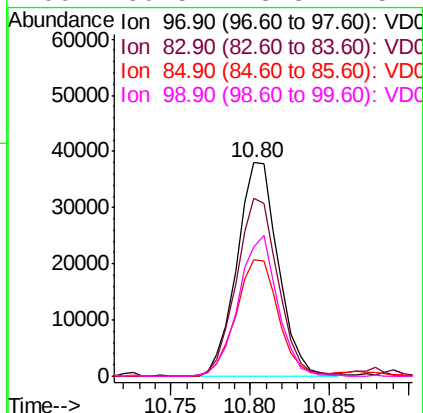
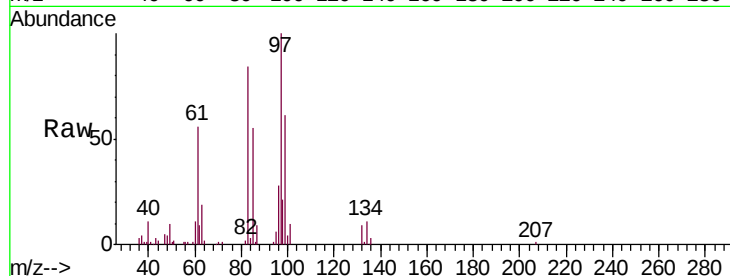




#55
 1,1,2-Trichloroethane
 Concen: 20.053 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

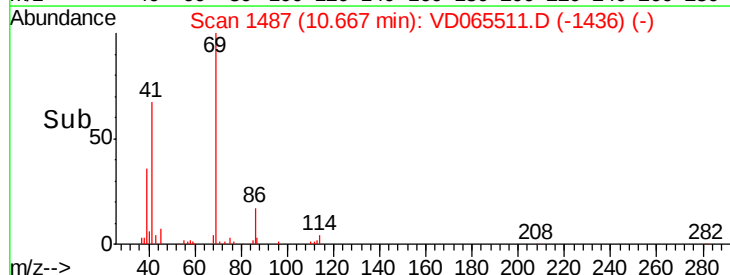
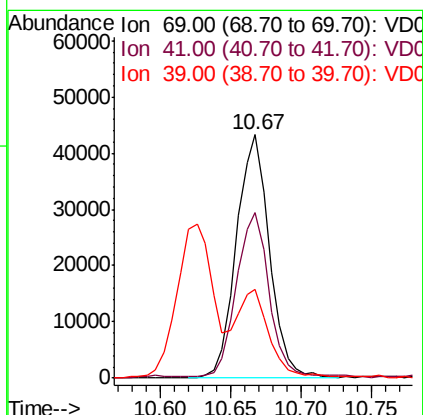
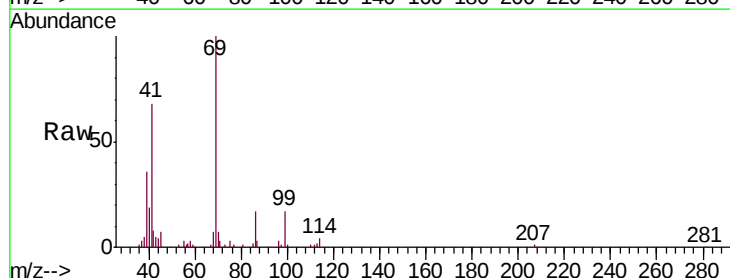
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

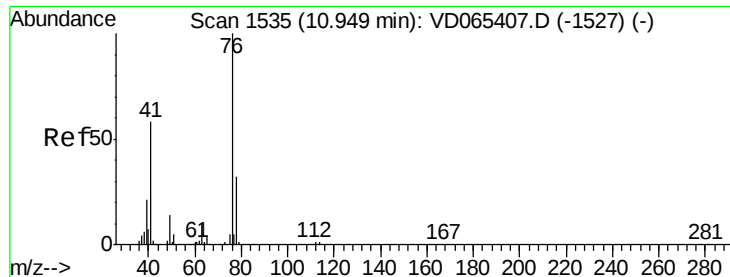
Tgt Ion:	97	Resp:	68773
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.4	101.0
85	54.8	43.8	65.8
99	60.5	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 18.367 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion:	69	Resp:	71012
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.0	79.6
39	32.1	26.0	39.0

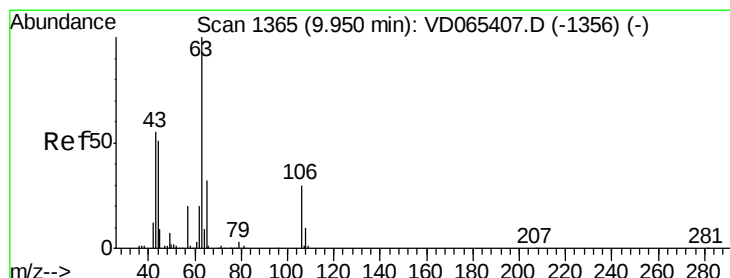
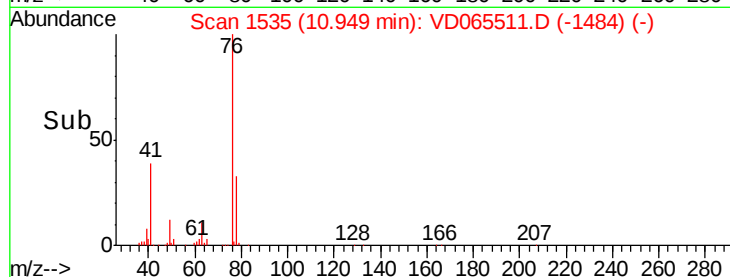
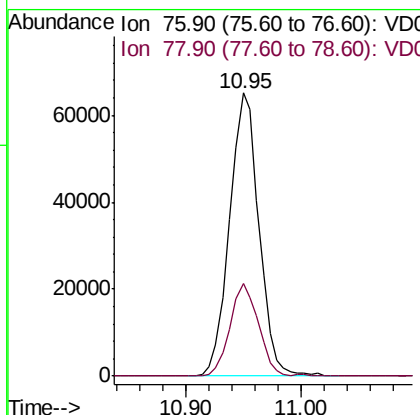
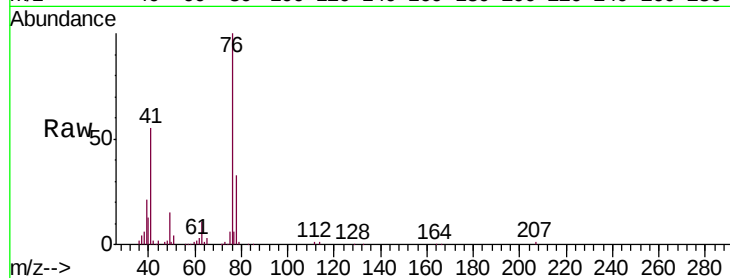




#57
 1,3-Dichloropropane
 Concen: 19.775 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

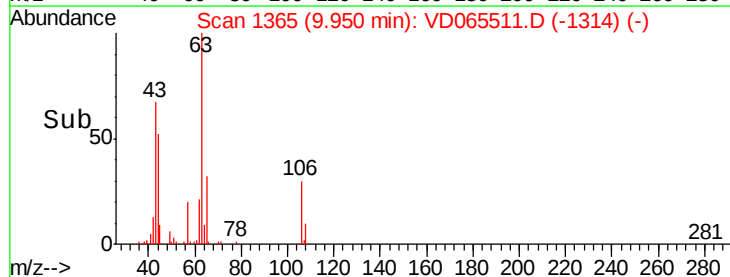
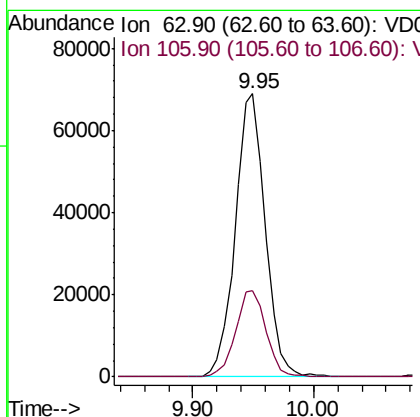
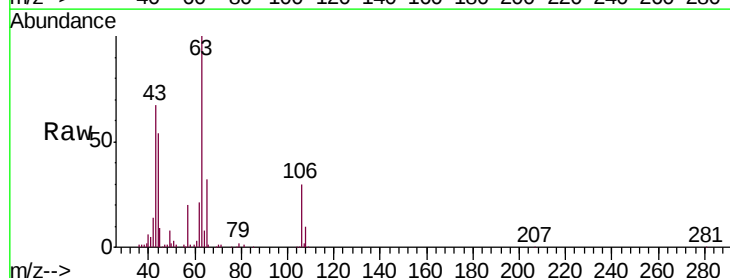
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

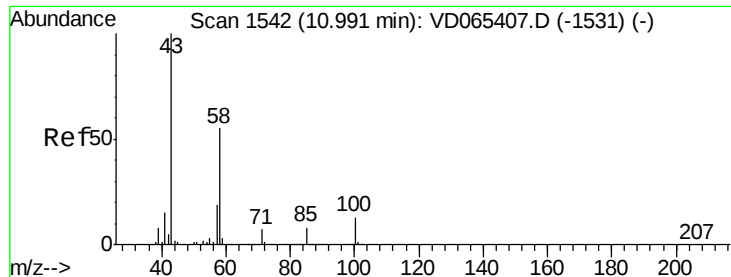
Tgt Ion: 76 Resp: 114749
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.062 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 63 Resp: 119319
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.3 34.9

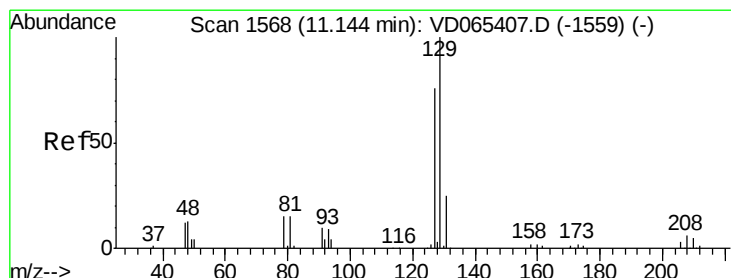
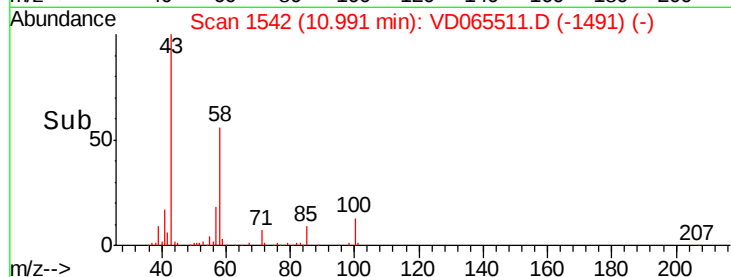
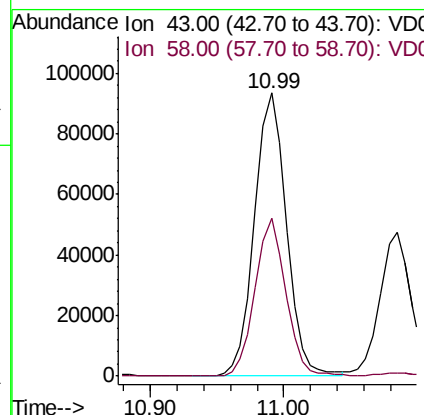
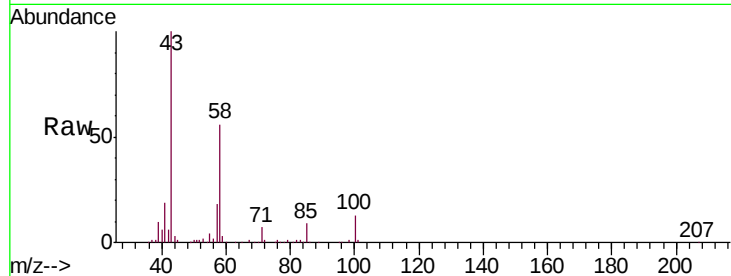




#59
2-Hexanone
Concen: 90.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

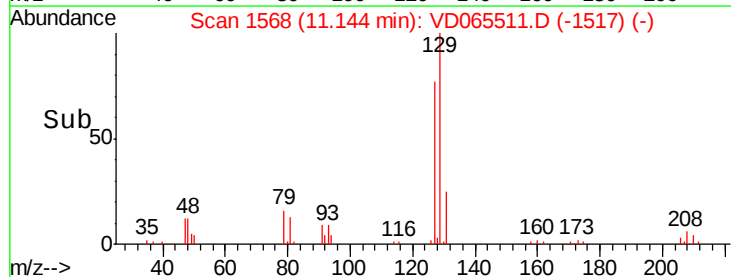
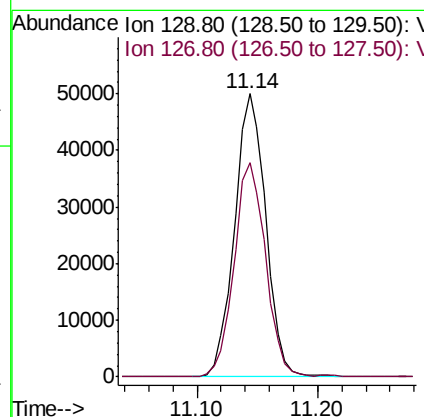
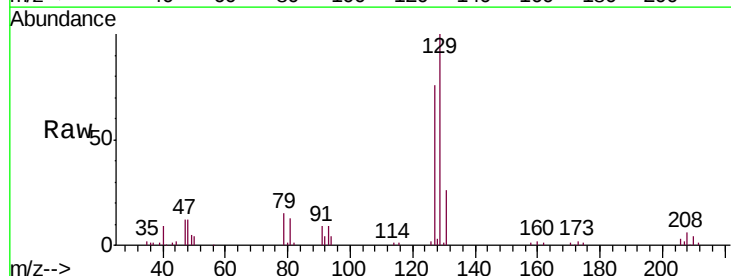
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

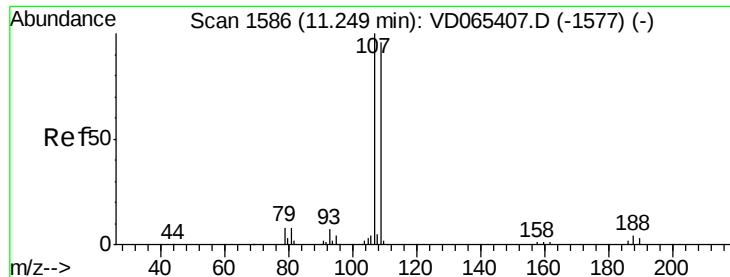
Tgt Ion: 43 Resp: 154838
Ion Ratio Lower Upper
43 100
58 53.7 27.4 82.2



#60
Dibromochloromethane
Concen: 20.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 129 Resp: 89832
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5

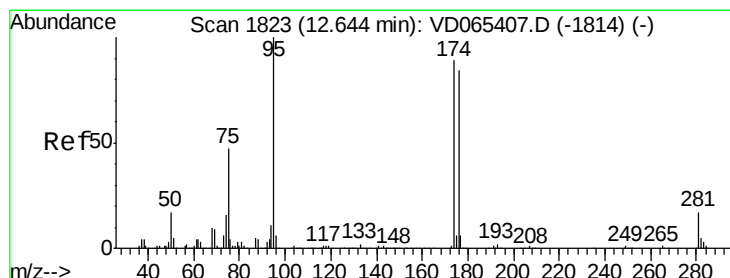
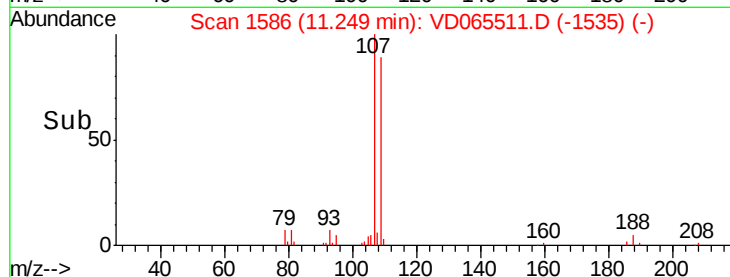
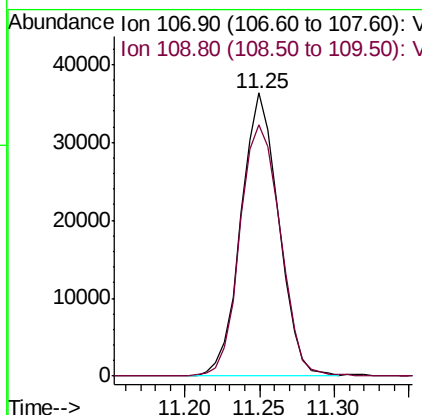
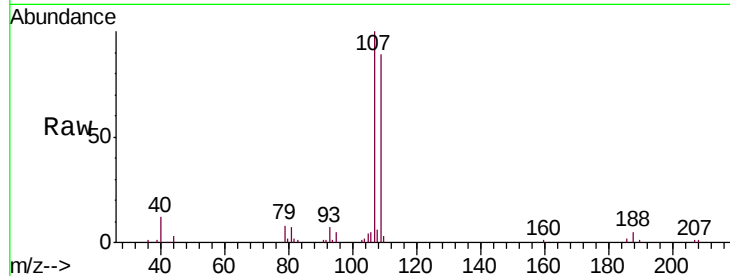




#61
 1,2-Dibromoethane
 Concen: 19.394 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

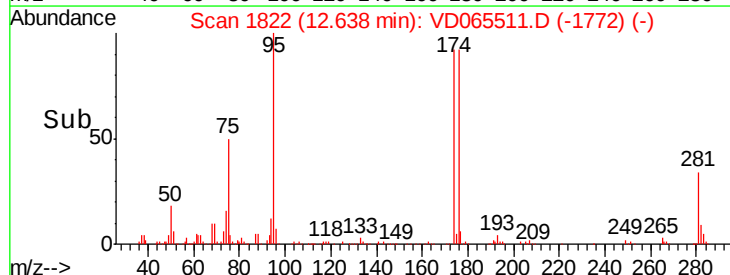
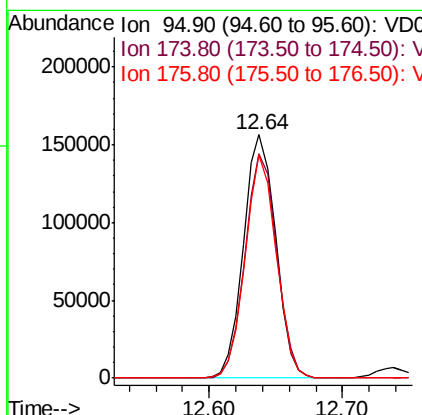
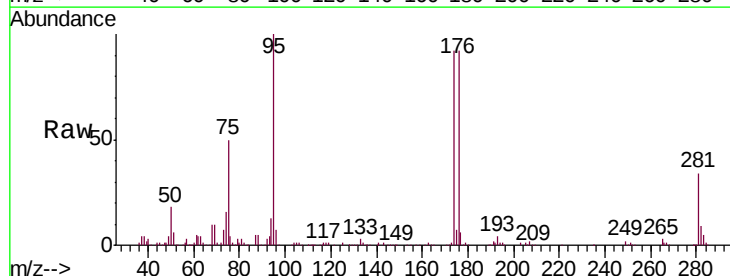
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

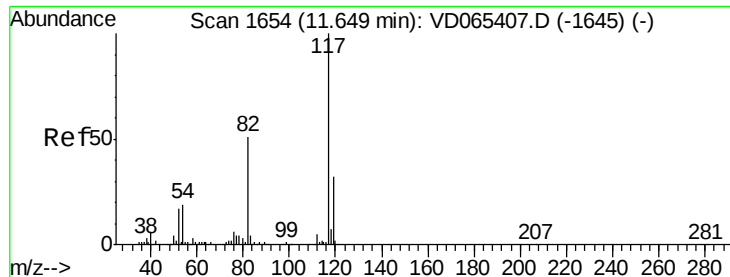
Tgt Ion: 107 Resp: 63444
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.390 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 95 Resp: 260104
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 176.8
 176 88.3 0.0 171.4

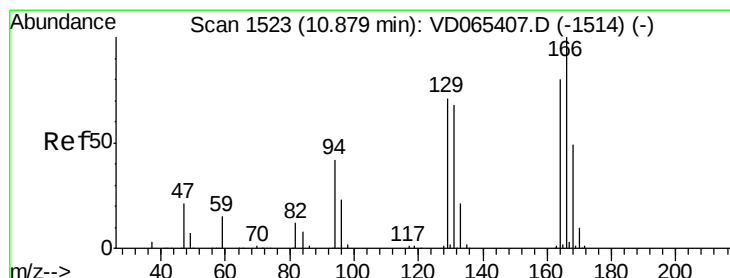
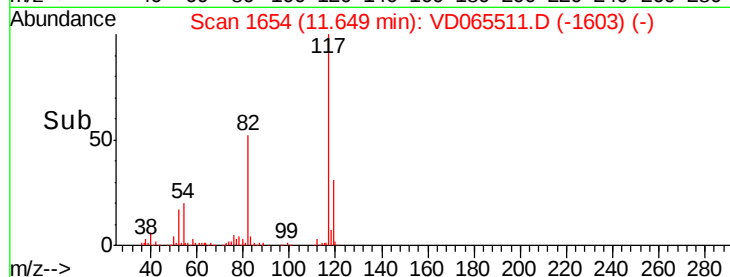
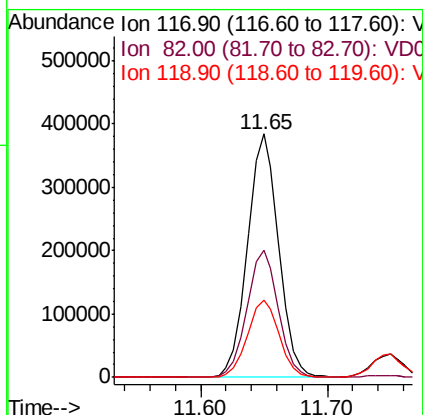
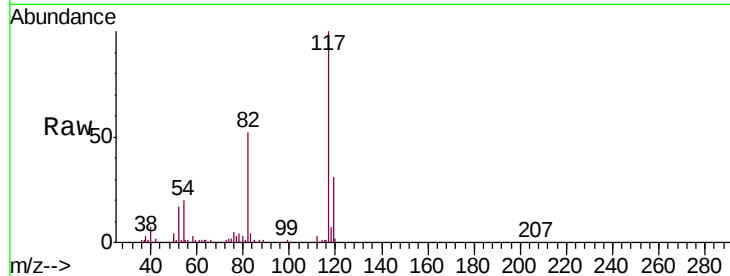




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

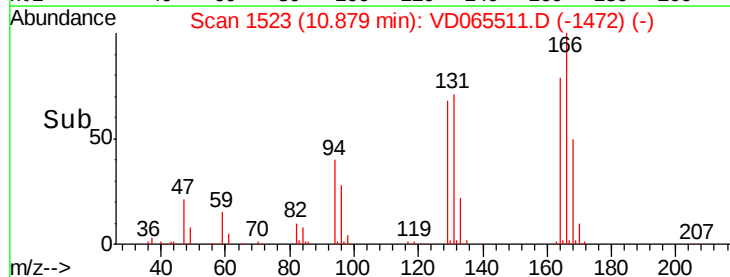
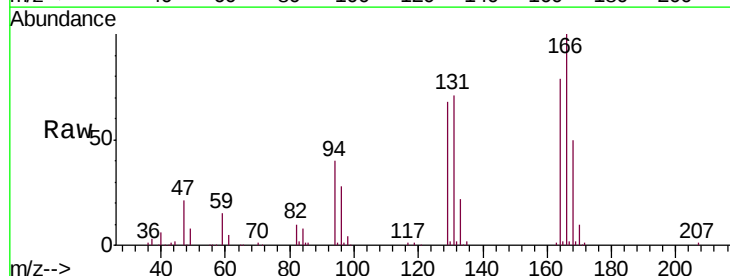
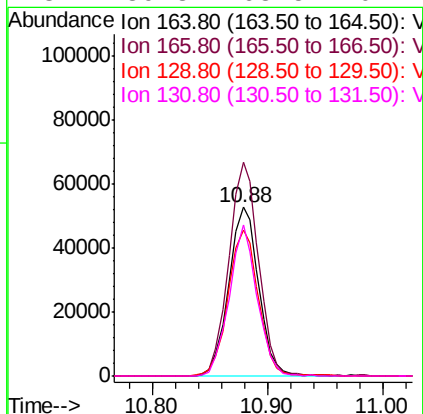
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

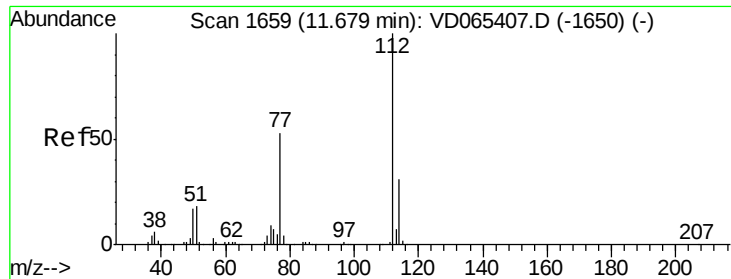
Tgt Ion:117 Resp: 655916
Ion Ratio Lower Upper
117 100
82 52.2 40.6 60.8
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 20.139 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion:164 Resp: 94653
Ion Ratio Lower Upper
164 100
166 126.5 100.5 150.7
129 86.3 71.5 107.3
131 89.3 68.5 102.7

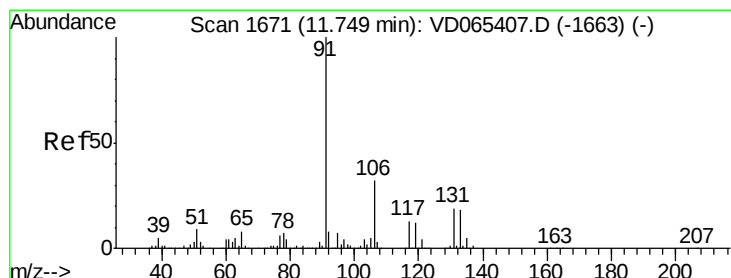
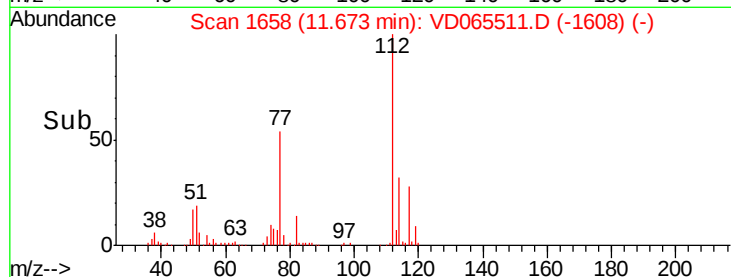
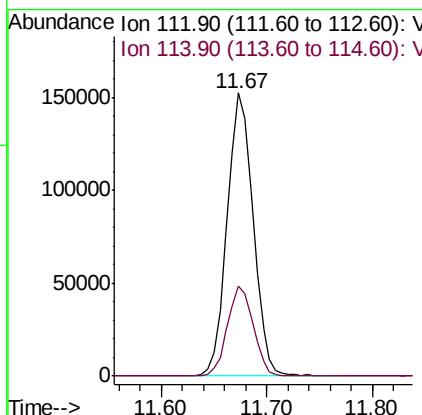
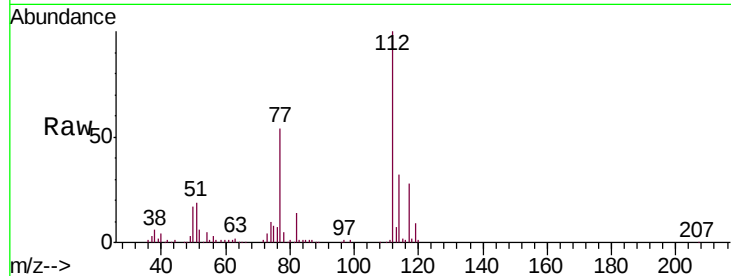




#65
Chlorobenzene
Concen: 19.998 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

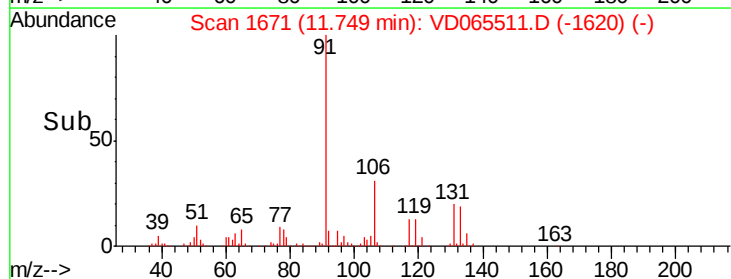
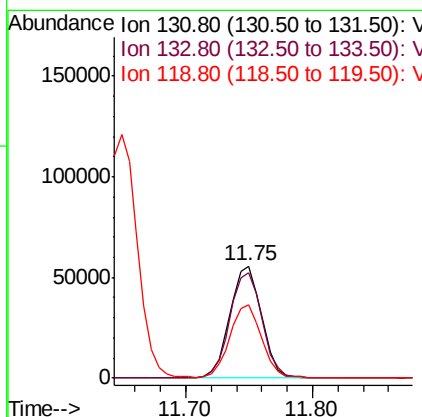
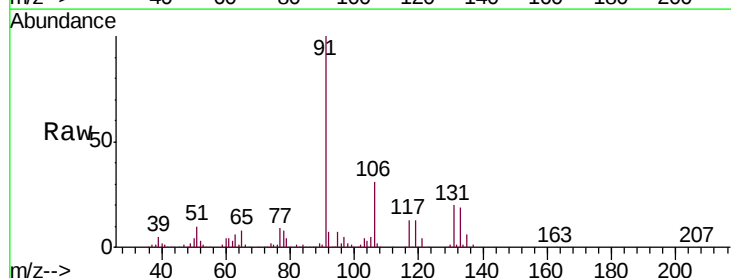
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

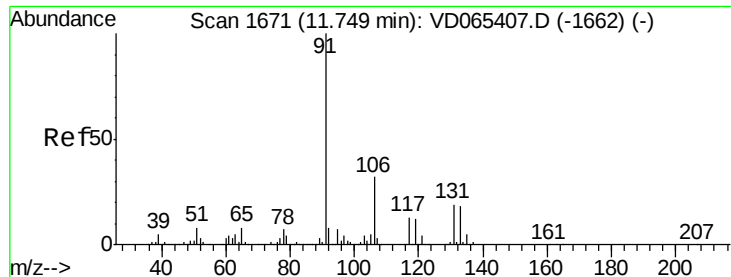
Tgt Ion:112 Resp: 259578
Ion Ratio Lower Upper
112 100
114 31.7 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.389 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion:131 Resp: 96384
Ion Ratio Lower Upper
131 100
133 95.4 49.2 147.6
119 65.6 33.3 99.8

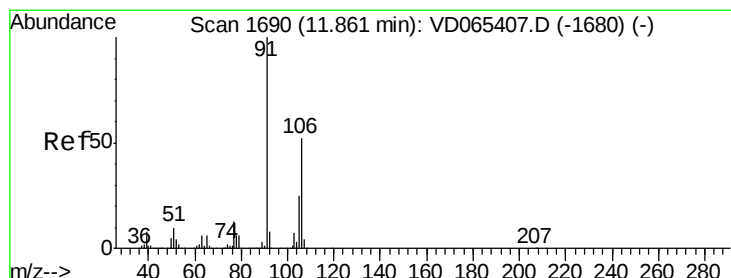
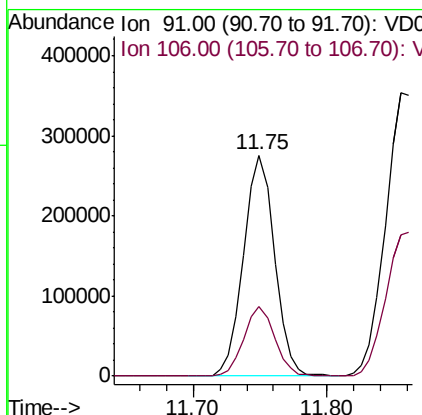
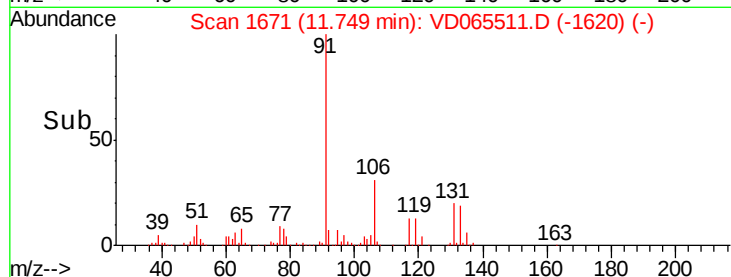
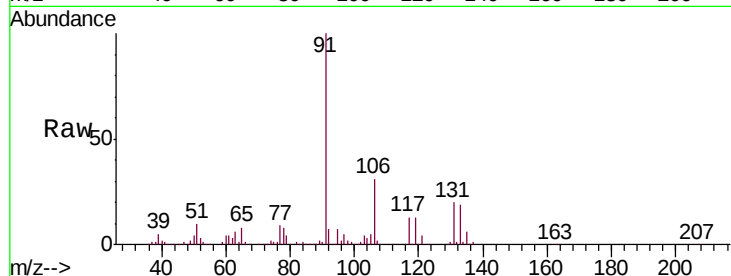




#67
Ethyl Benzene
Concen: 19.747 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

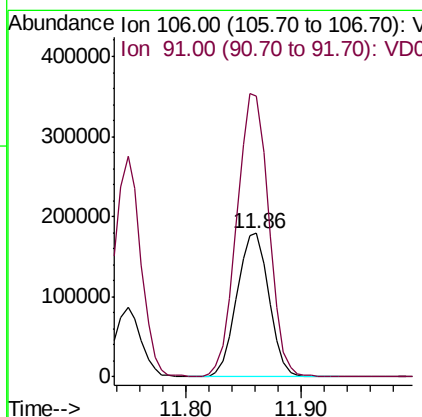
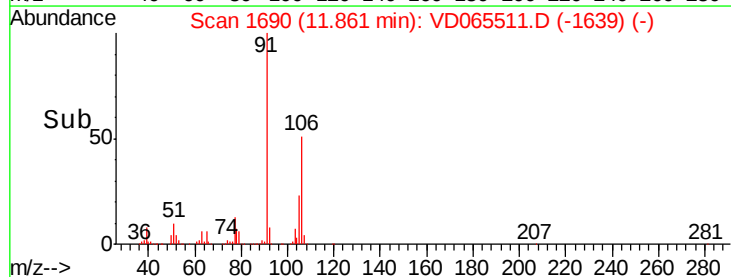
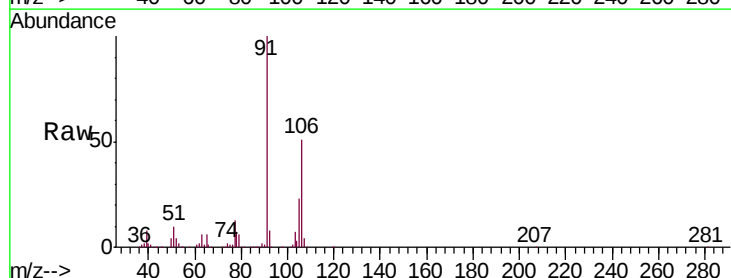
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

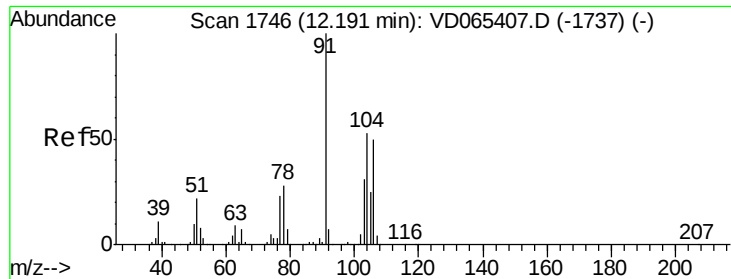
Tgt Ion: 91 Resp: 442878
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8



#68
m/p-Xylenes
Concen: 40.115 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 106 Resp: 346912
Ion Ratio Lower Upper
106 100
91 196.9 155.9 233.9

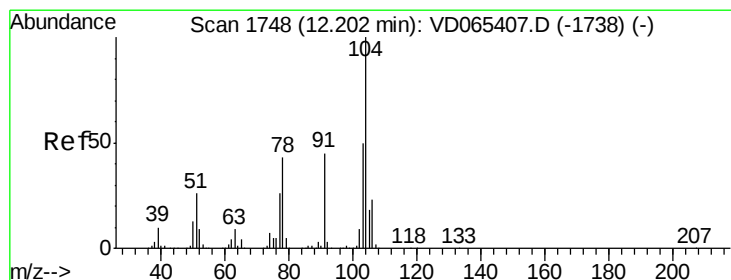
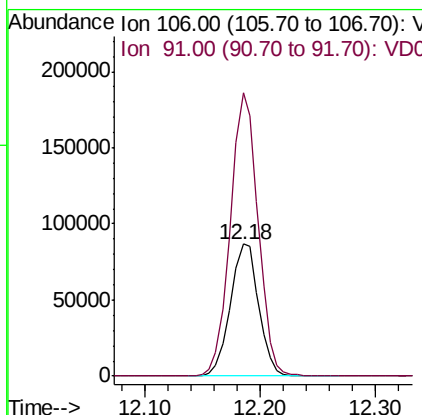
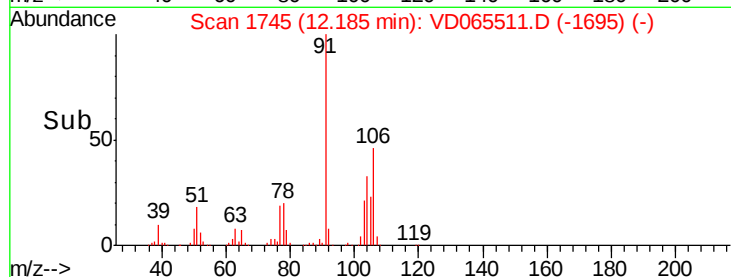
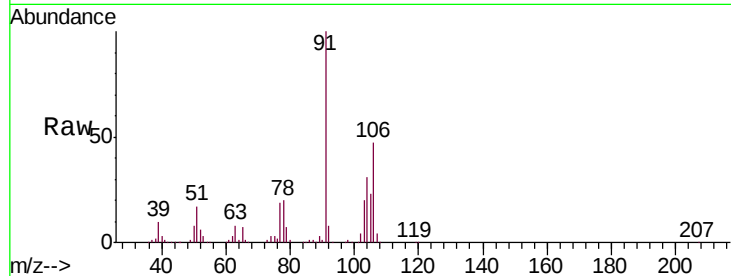




#69
o-Xylene
Concen: 19.397 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

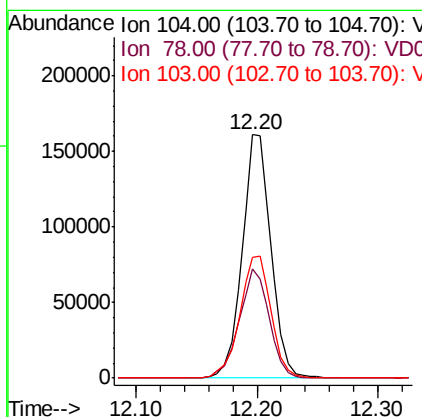
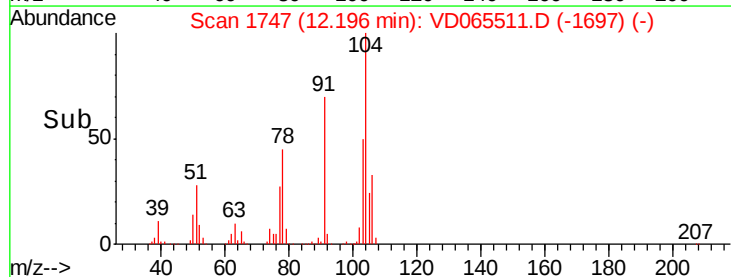
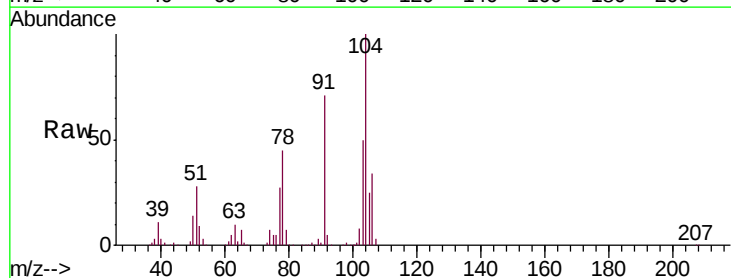
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

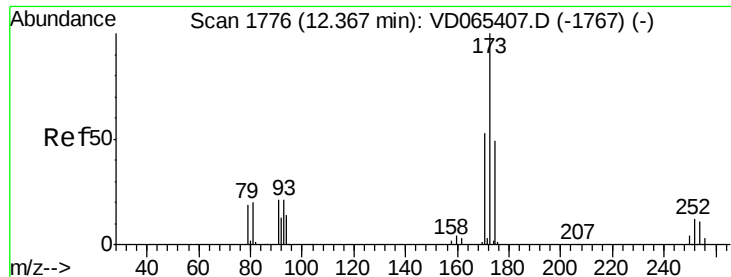
Tgt Ion:106 Resp: 147555
Ion Ratio Lower Upper
106 100
91 210.0 103.5 310.3



#70
Styrene
Concen: 19.955 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion:104 Resp: 267156
Ion Ratio Lower Upper
104 100
78 46.9 37.7 56.5
103 54.5 43.6 65.4





#71

Bromoform

Concen: 19.880 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

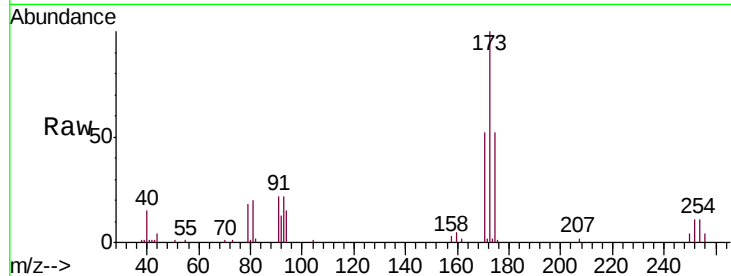
Tgt Ion:173 Resp: 52787

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

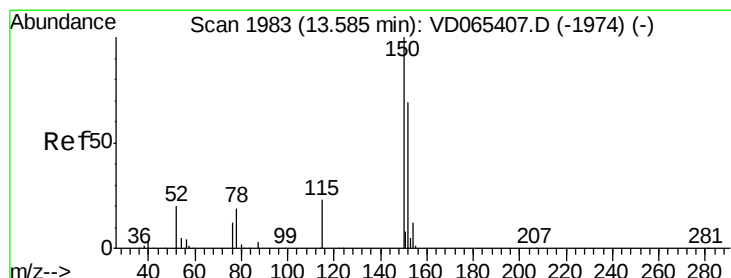
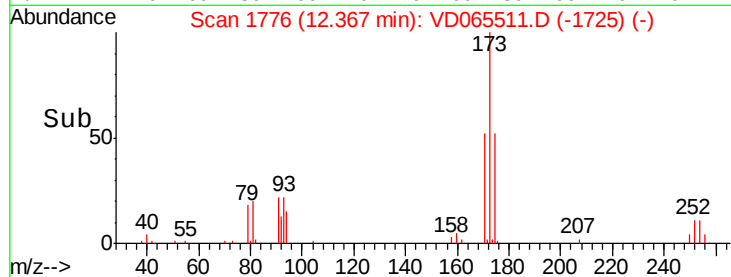
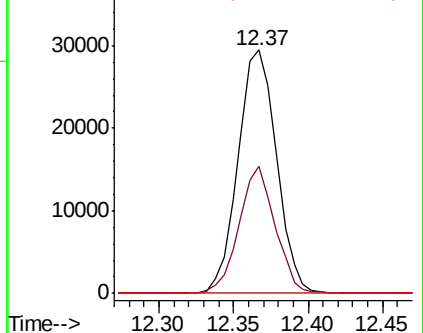
254 0.0 0.1 0.1#



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: VD065511.D

Acq: 16 Mar 2020 14:20

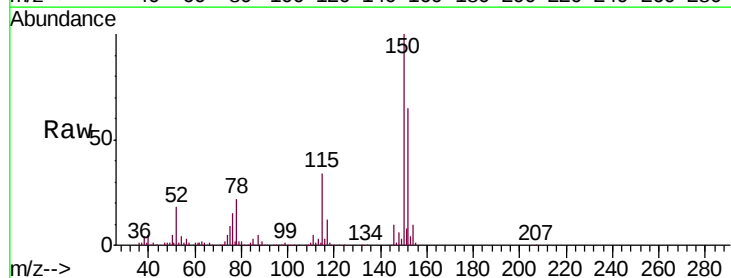
Tgt Ion:152 Resp: 333856

Ion Ratio Lower Upper

152 100

115 54.8 27.6 82.8

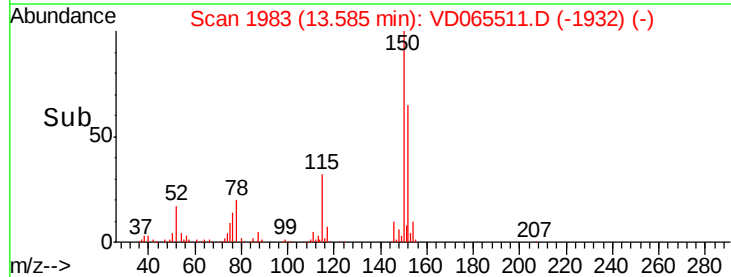
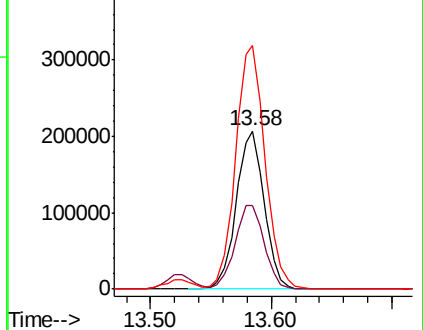
150 162.2 0.0 345.0

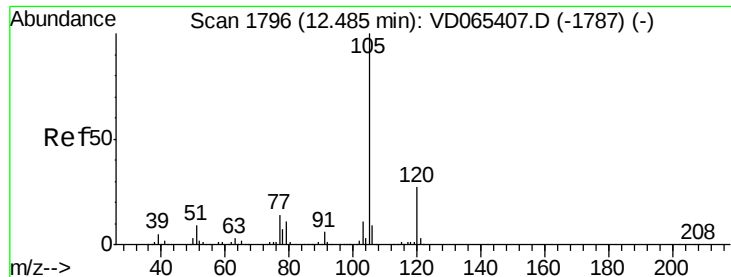


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.479 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

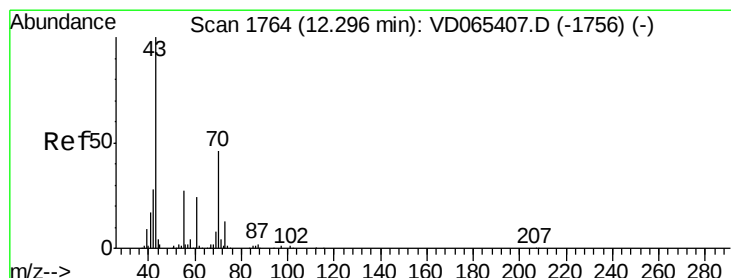
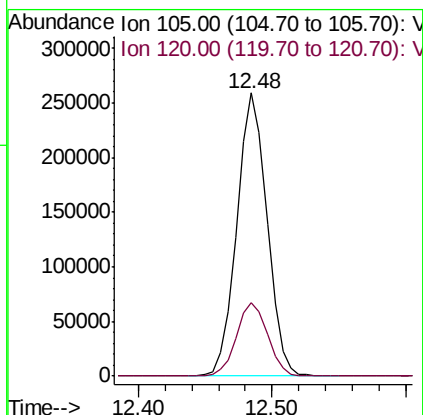
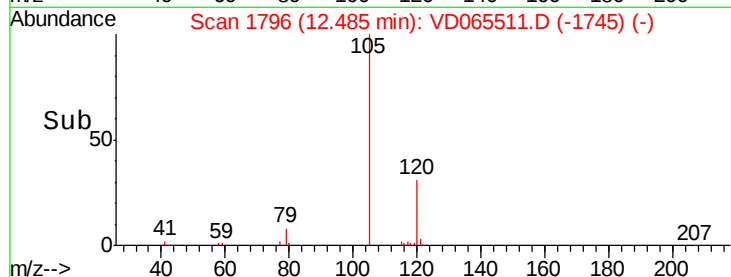
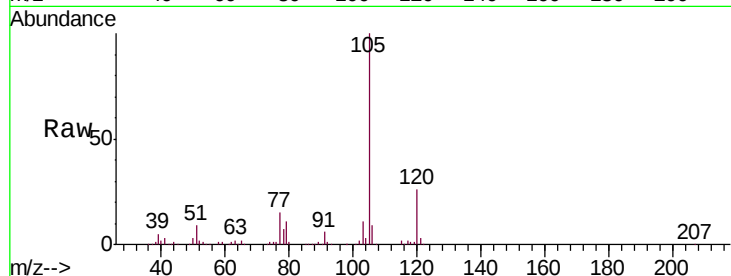
VD0316SBS01

Tgt Ion:105 Resp: 405796

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 17.006 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion: 43 Resp: 76454

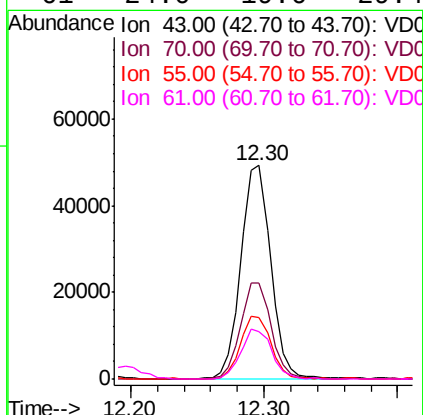
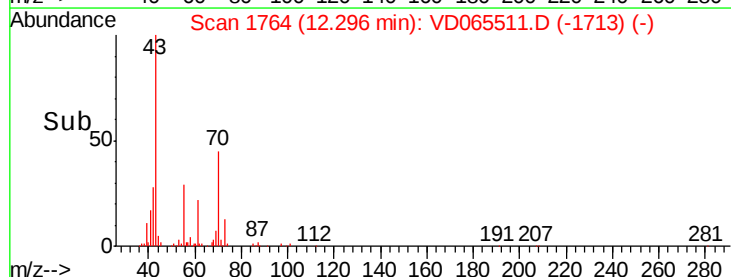
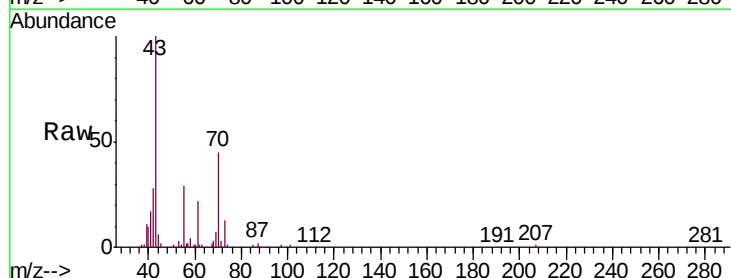
Ion Ratio Lower Upper

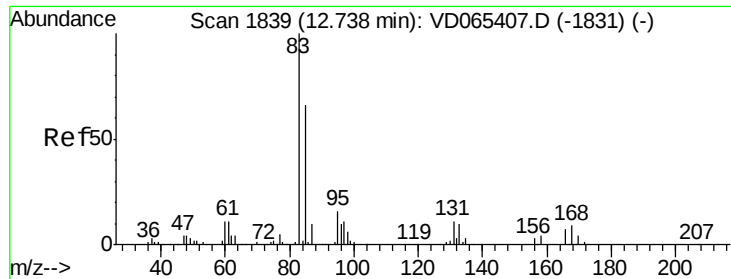
43 100

70 45.7 36.1 54.1

55 30.1 21.6 32.4

61 24.0 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.603 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

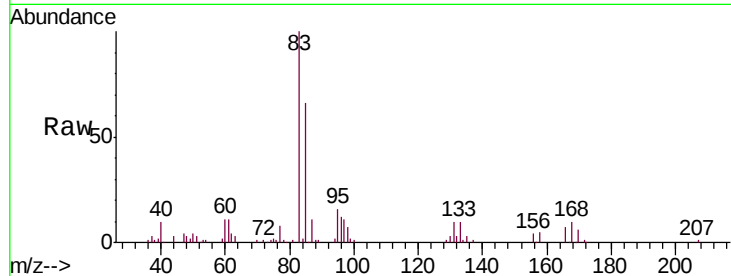
Tgt Ion: 83 Resp: 71808

Ion Ratio Lower Upper

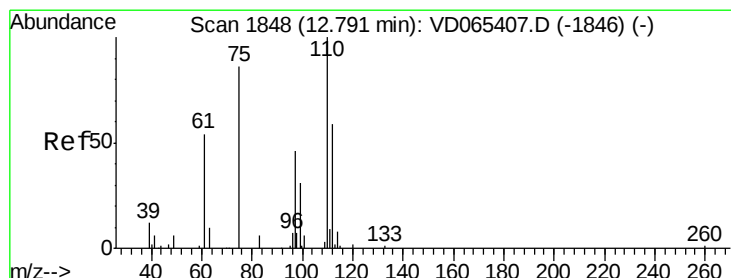
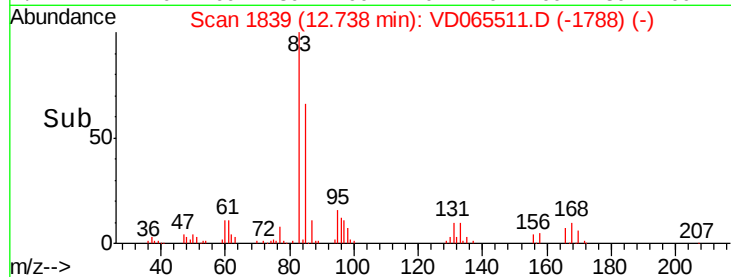
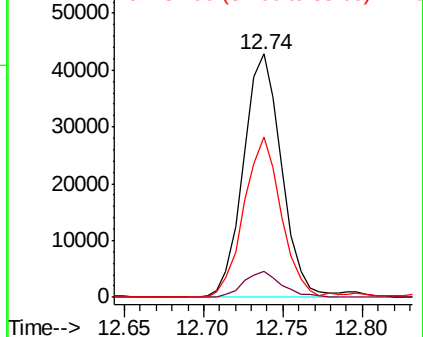
83 100

131 10.6 5.4 16.2

85 64.8 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: 35.118 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065511.D

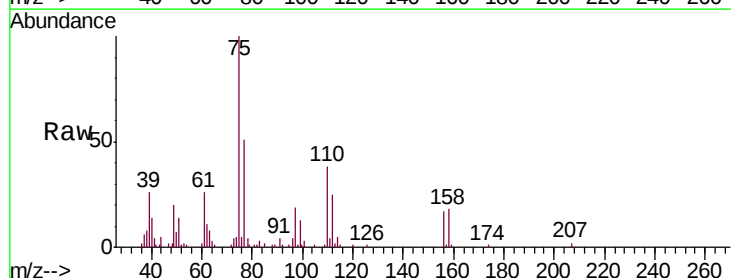
Acq: 16 Mar 2020 14:20

Tgt Ion: 75 Resp: 92515

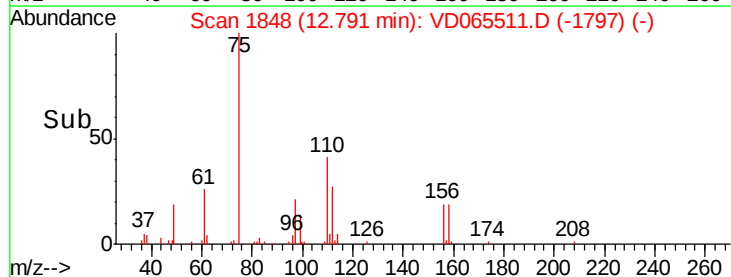
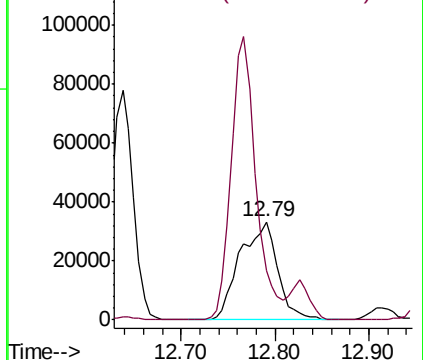
Ion Ratio Lower Upper

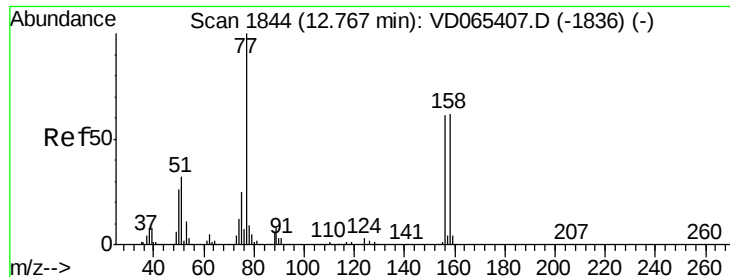
75 100

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: 18.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

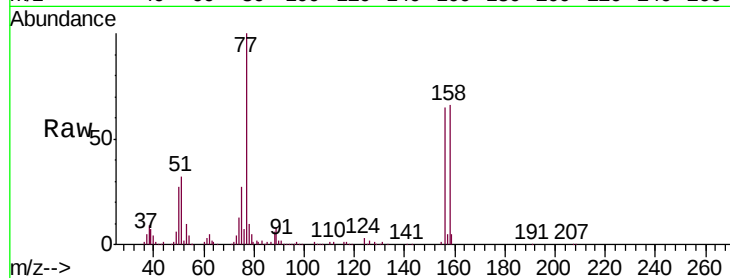
Tgt Ion:156 Resp: 102906

Ion Ratio Lower Upper

156 100

77 171.5 84.9 254.6

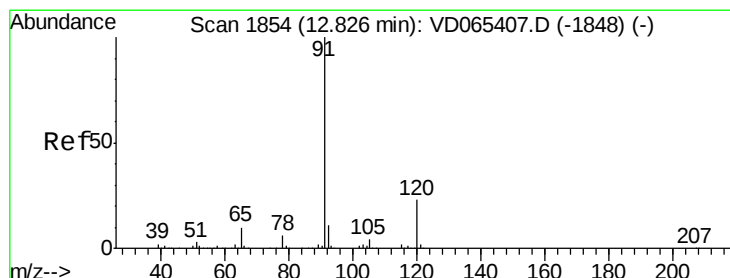
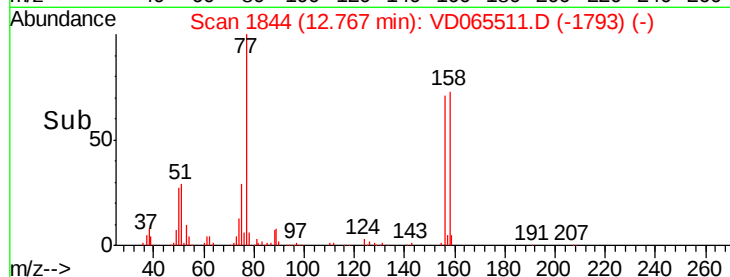
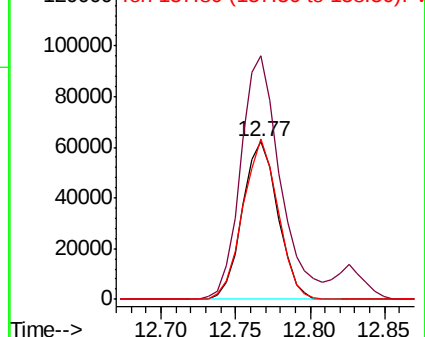
158 100.2 49.0 147.2



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: 19.165 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065511.D

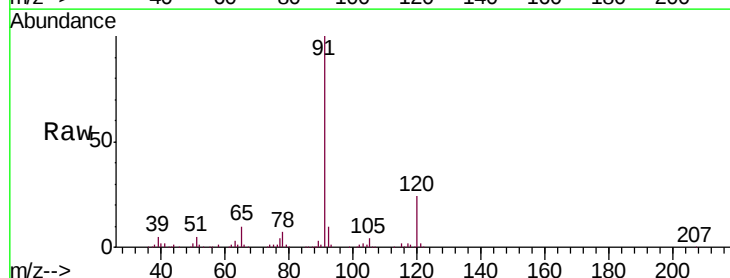
Acq: 16 Mar 2020 14:20

Tgt Ion: 91 Resp: 499339

Ion Ratio Lower Upper

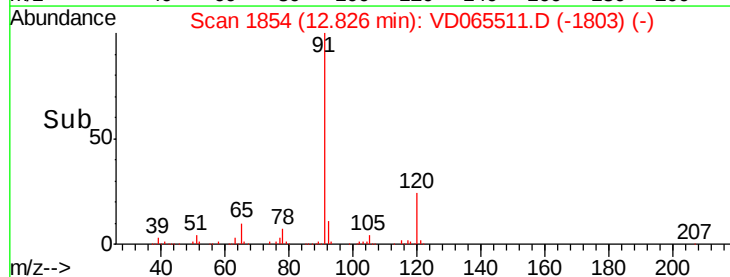
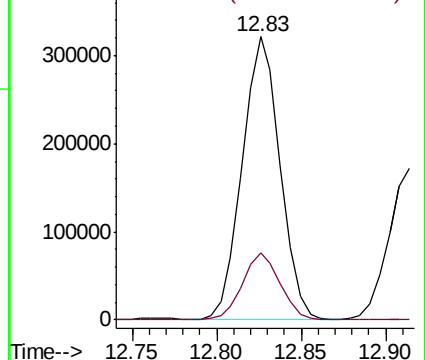
91 100

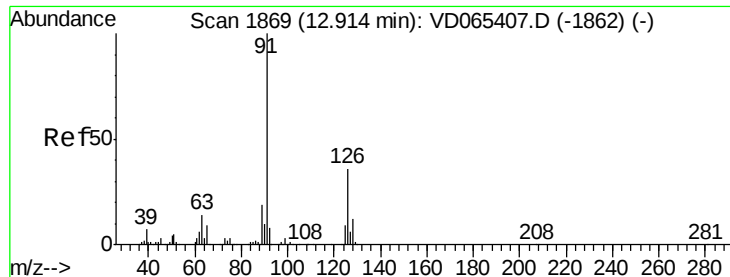
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.102 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

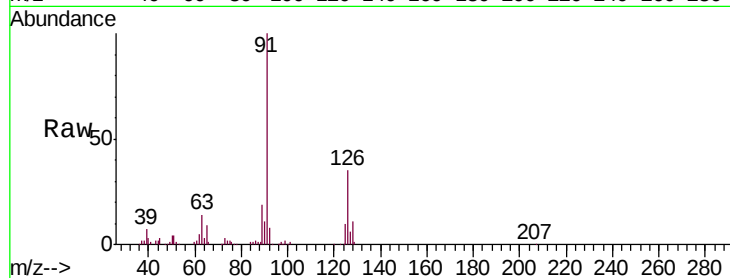
VD0316SBS01

Tgt Ion: 91 Resp: 280494

Ion Ratio Lower Upper

91 100

126 35.5 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) (-)

200000

150000

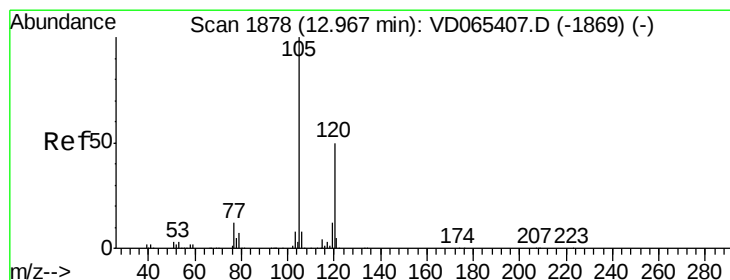
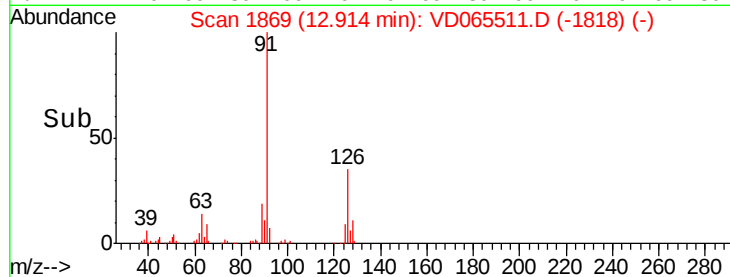
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.405 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065511.D

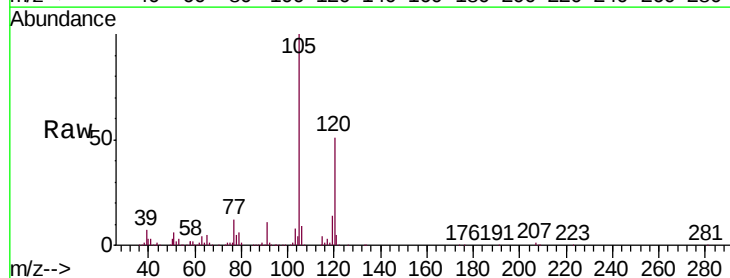
Acq: 16 Mar 2020 14:20

Tgt Ion: 105 Resp: 350316

Ion Ratio Lower Upper

105 100

120 50.9 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) (-)

250000

200000

150000

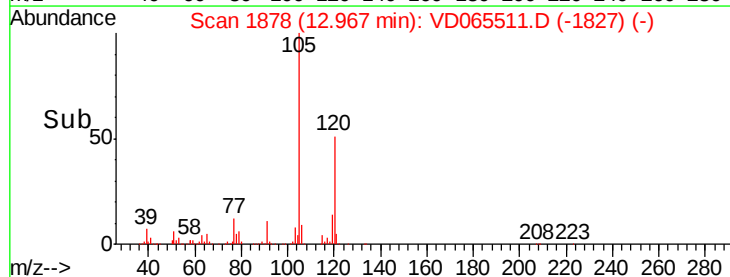
100000

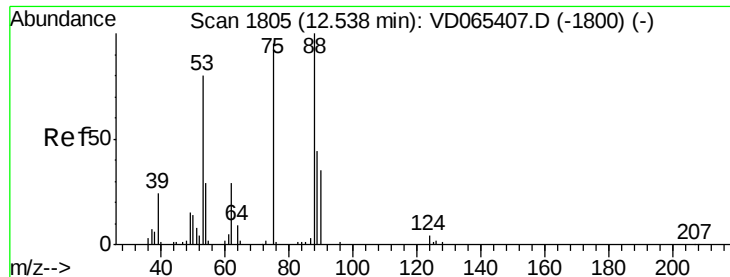
50000

0

12.90 12.97 13.00 13.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.113 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

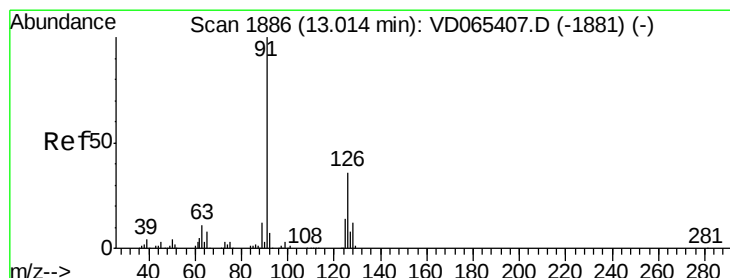
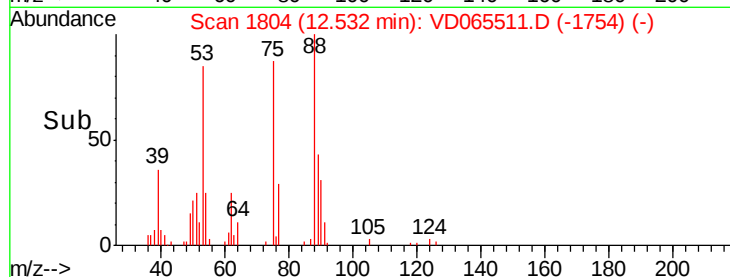
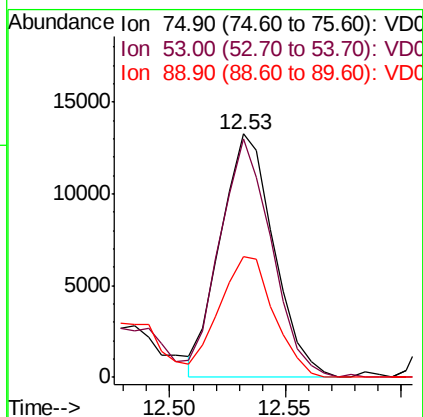
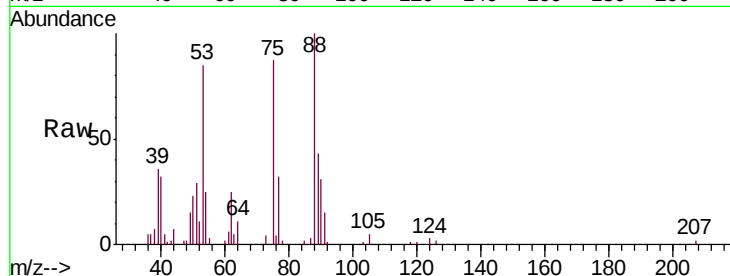
Tgt Ion: 75 Resp: 21363

Ion Ratio Lower Upper

75 100

53 96.0 71.3 106.9

89 50.7 37.0 55.6



#82

4-Chlorotoluene

Concen: 19.515 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065511.D

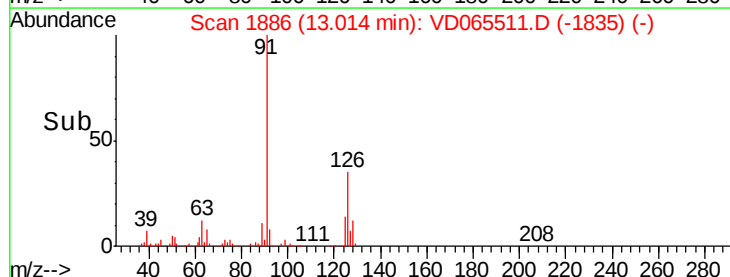
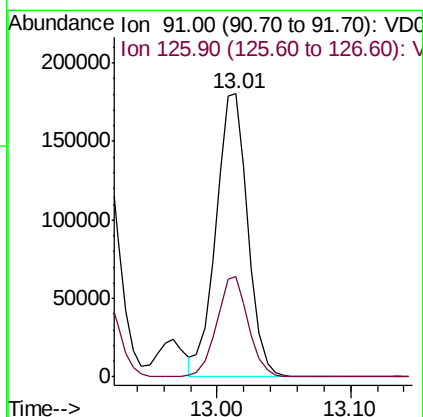
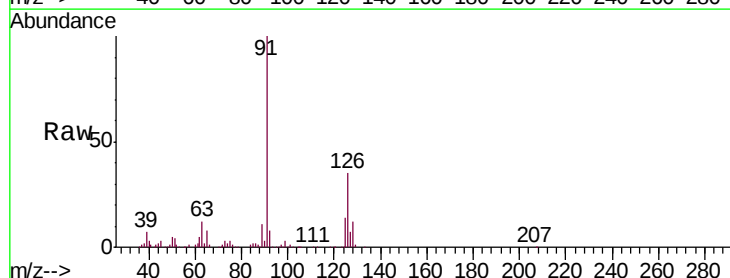
Acq: 16 Mar 2020 14:20

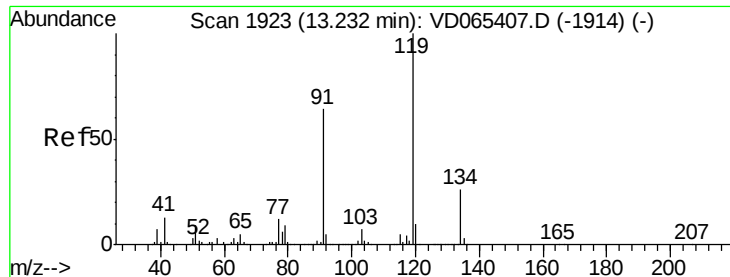
Tgt Ion: 91 Resp: 301123

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8

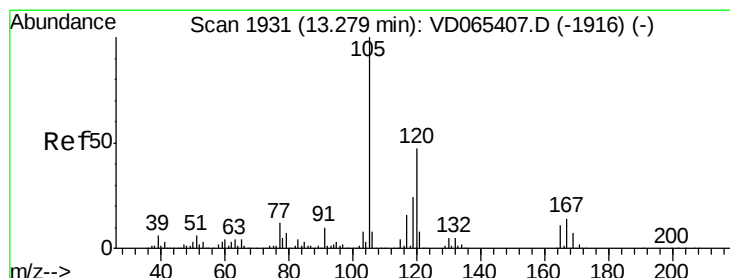
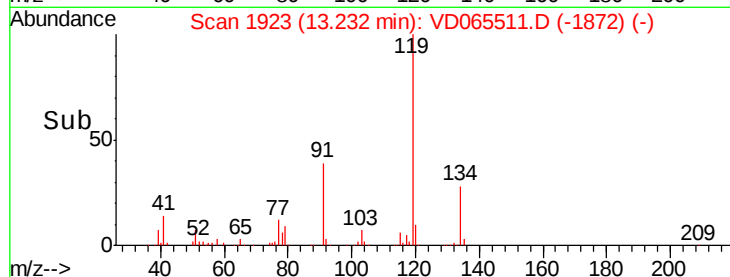
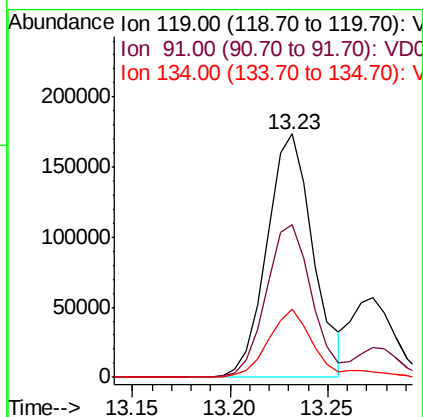
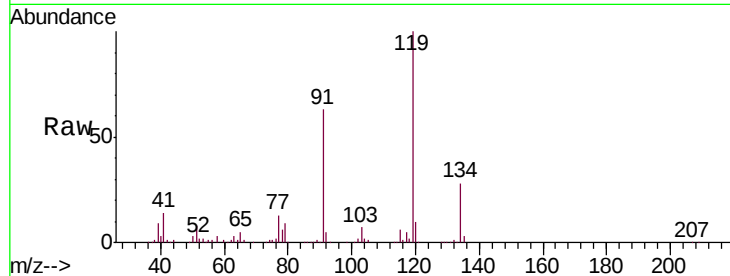




#83
 tert-Butylbenzene
 Concen: 18.634 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

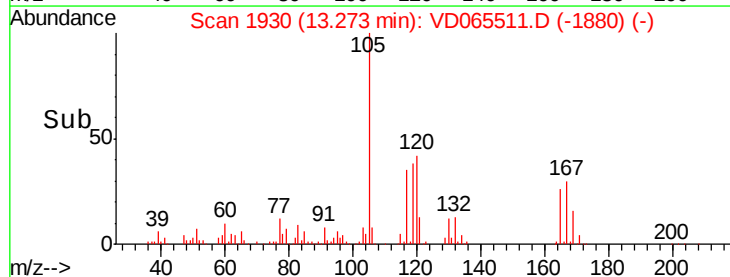
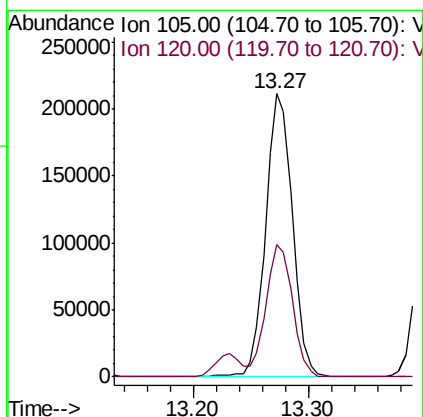
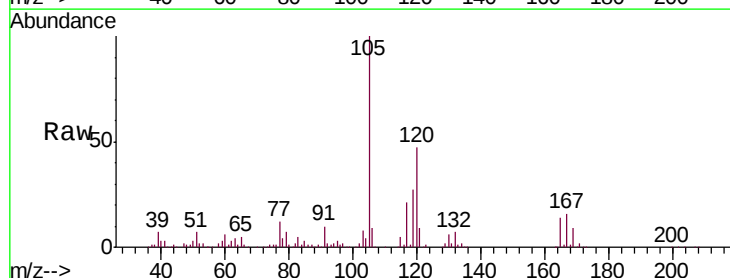
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

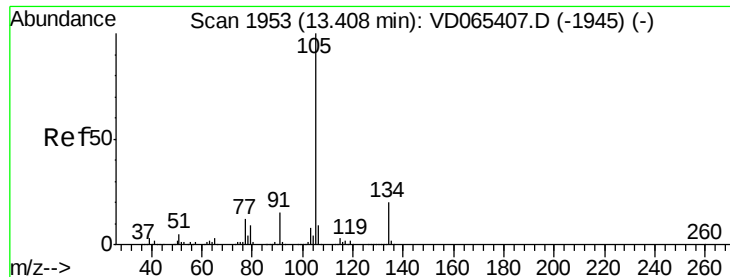
Tgt Ion:119 Resp: 284592
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.6 95.0
 134 28.2 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.270 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion:105 Resp: 342910
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 18.796 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

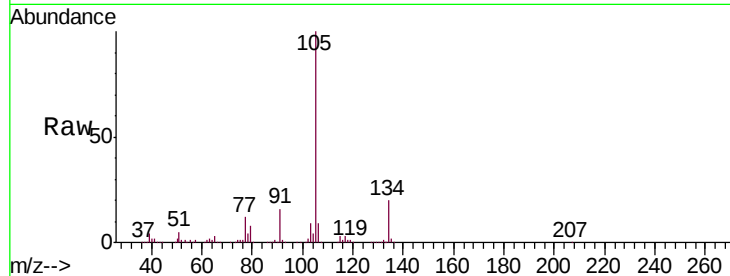
VD0316SBS01

Tgt Ion:105 Resp: 409764

Ion Ratio Lower Upper

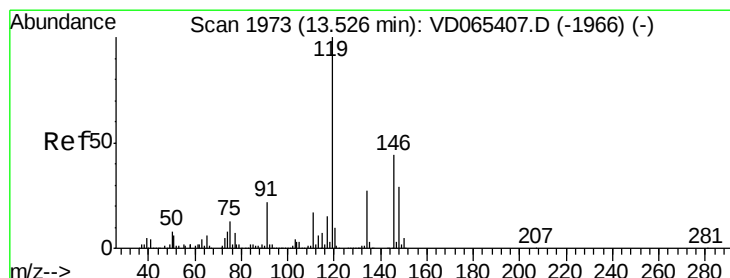
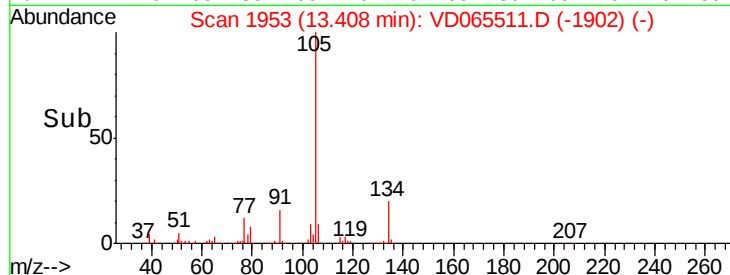
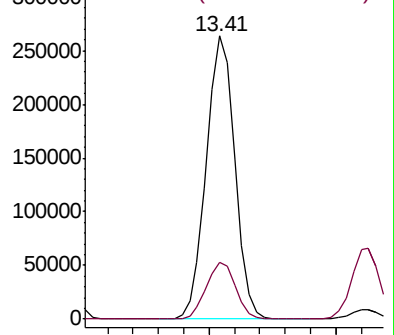
105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.983 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

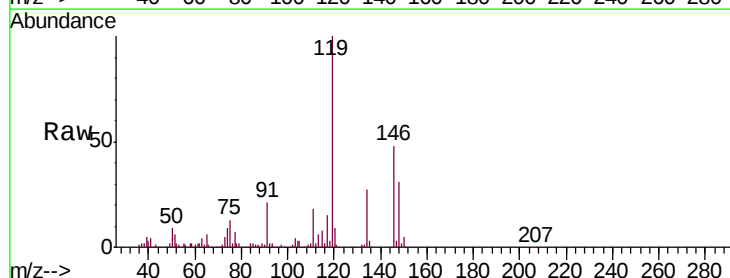
Tgt Ion:119 Resp: 377643

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

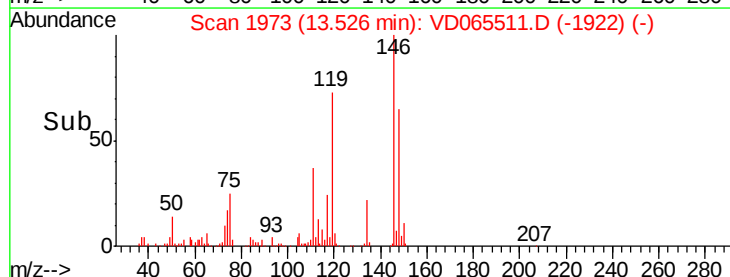
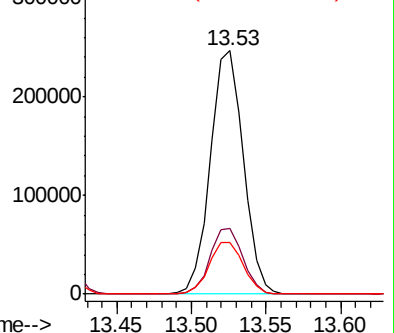
91 22.1 10.9 32.6

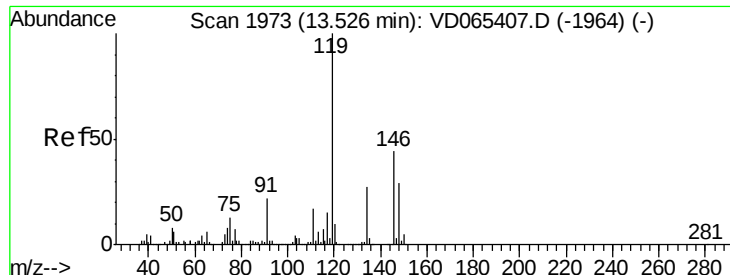


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

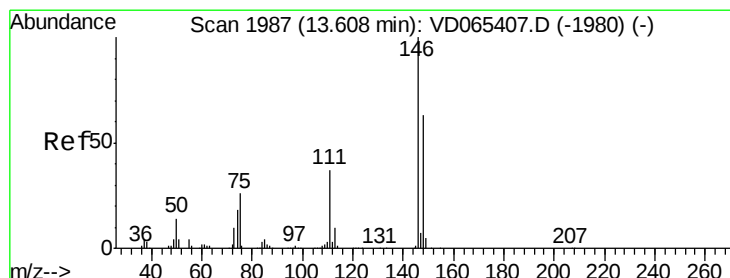
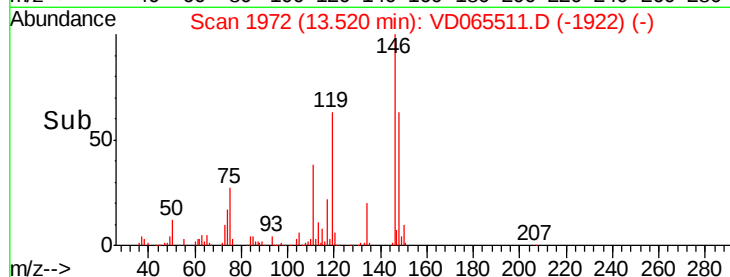
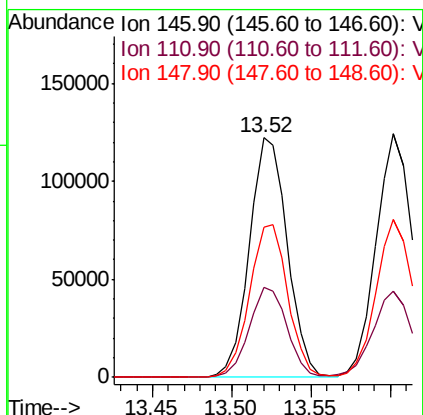
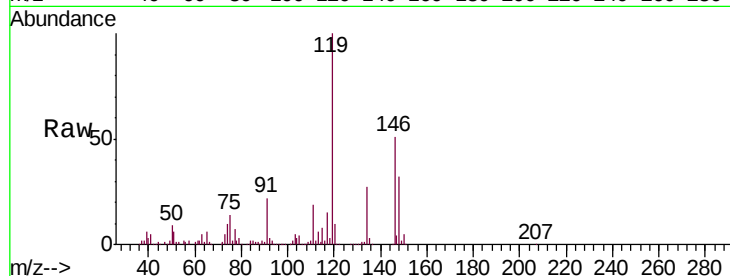




#87
 1,3-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

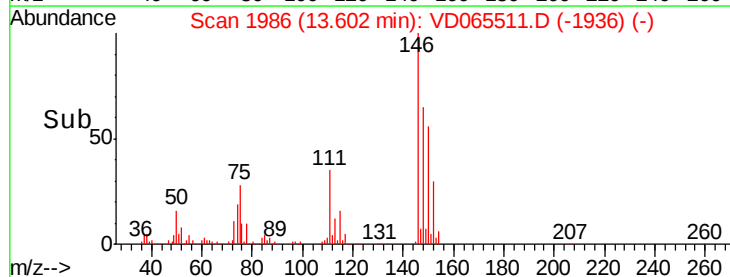
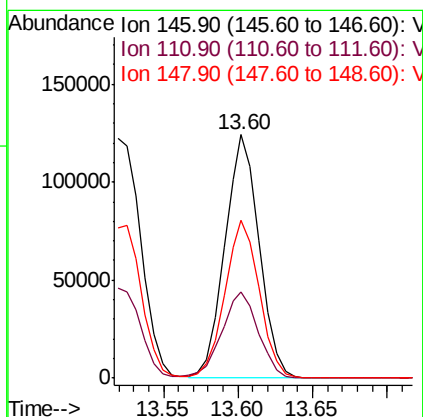
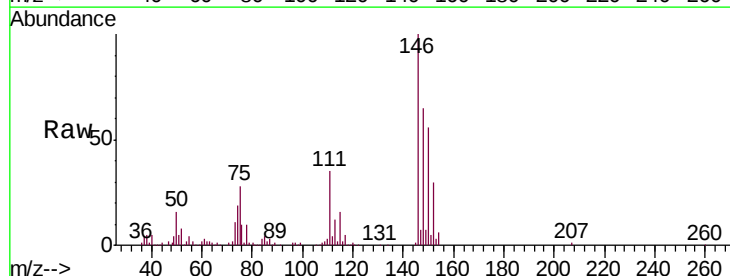
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

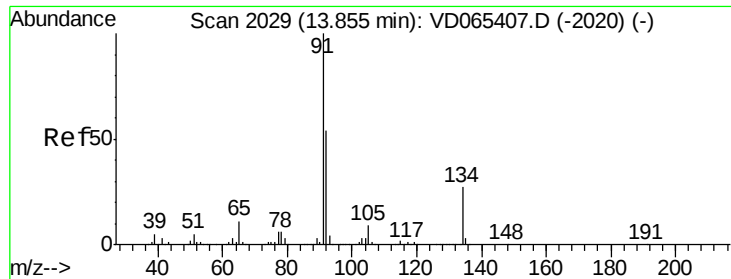
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.128 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	65.4	32.0	96.0

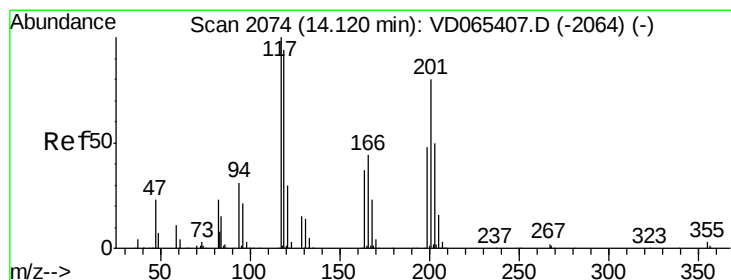
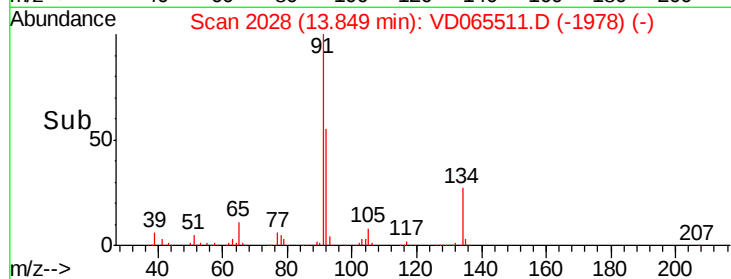
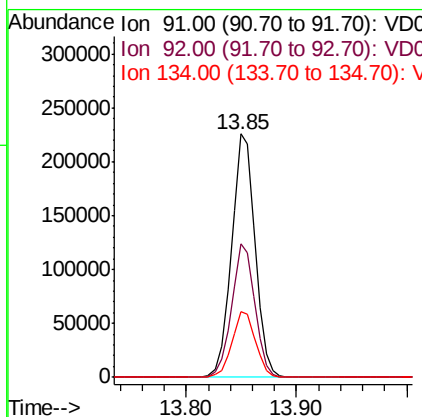
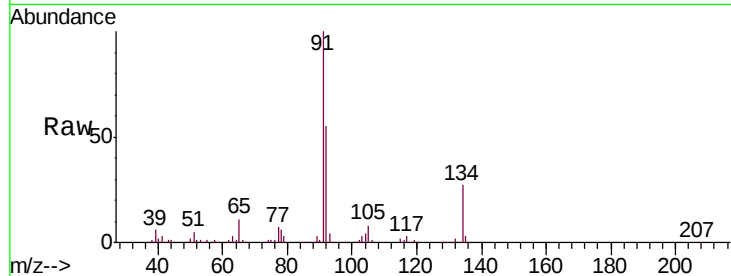




#89
n-Butylbenzene
Concen: 18.308 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

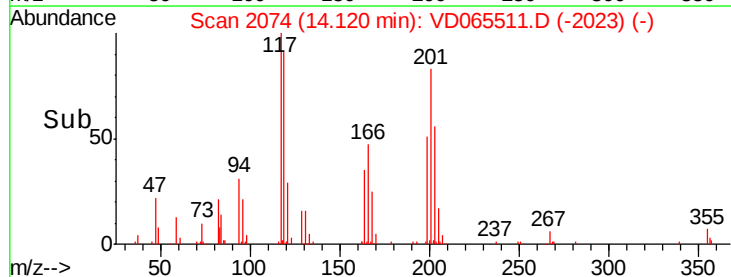
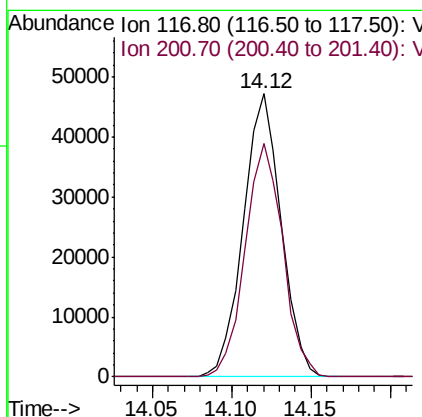
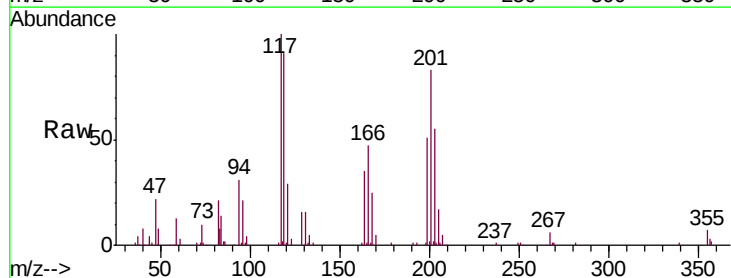
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

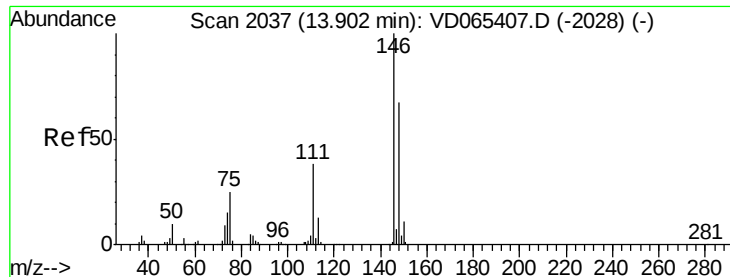
Tgt Ion: 91 Resp: 336713
Ion Ratio Lower Upper
91 100
92 54.2 26.8 80.4
134 27.0 13.4 40.2



#90
Hexachloroethane
Concen: 19.076 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 117 Resp: 78150
Ion Ratio Lower Upper
117 100
201 82.3 41.9 125.6

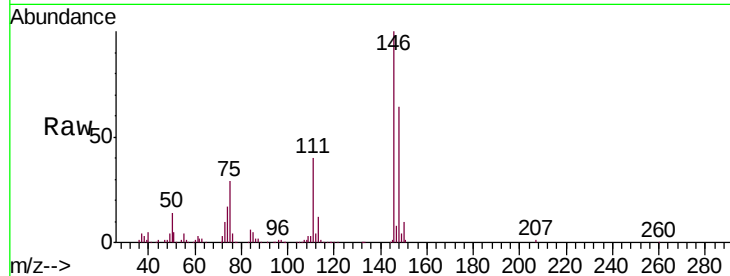




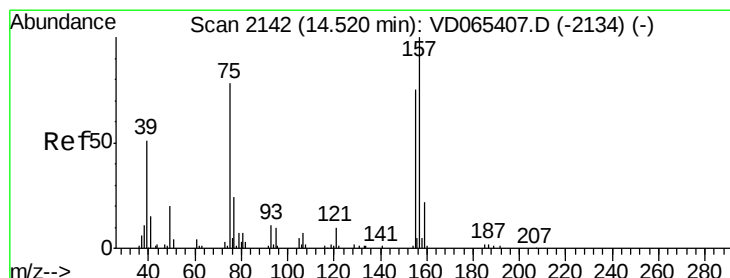
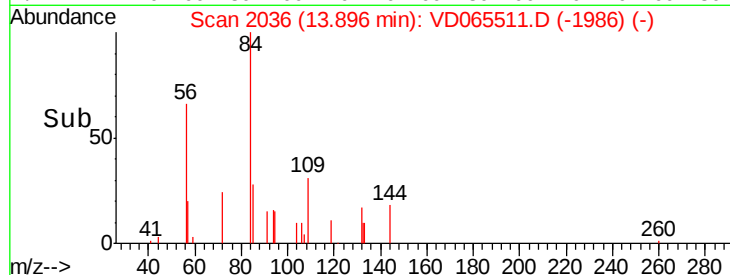
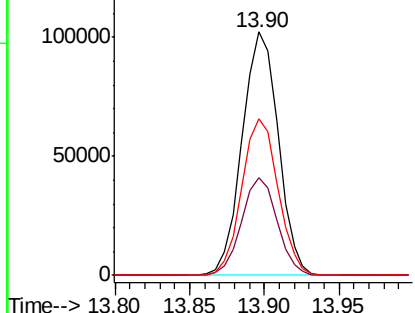
#91
 1,2-Dichlorobenzene
 Concen: 19.204 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.6	32.6	97.8

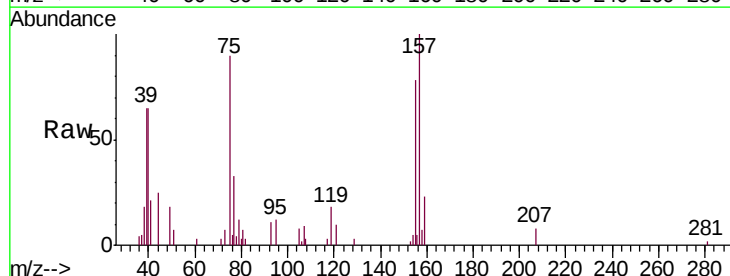


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

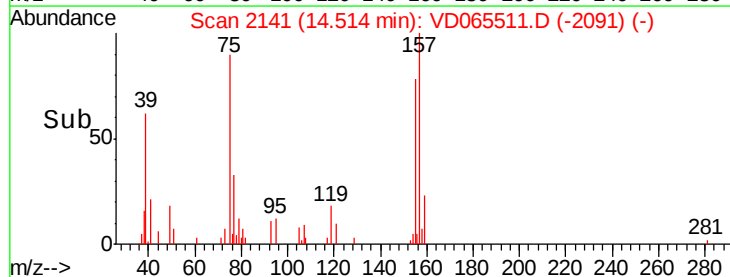
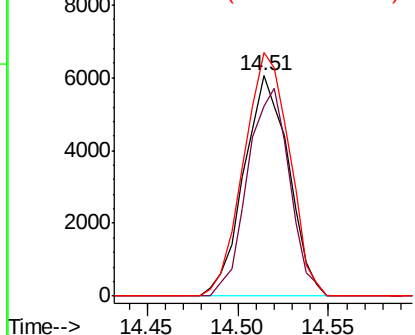


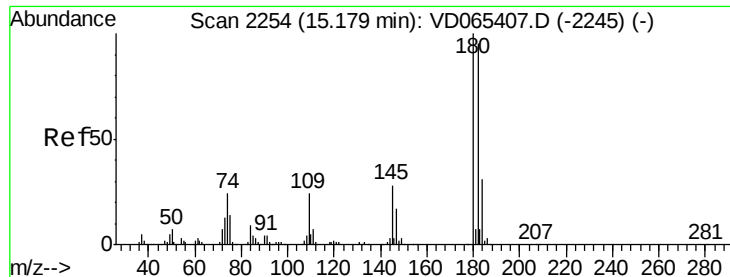
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.659 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	46.4	139.1
157	113.0	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

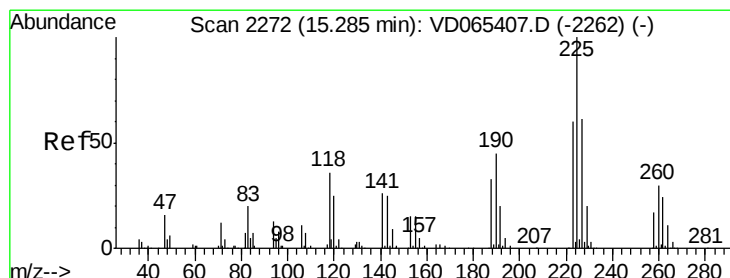
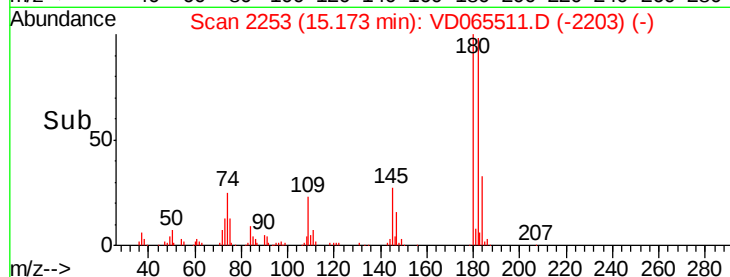
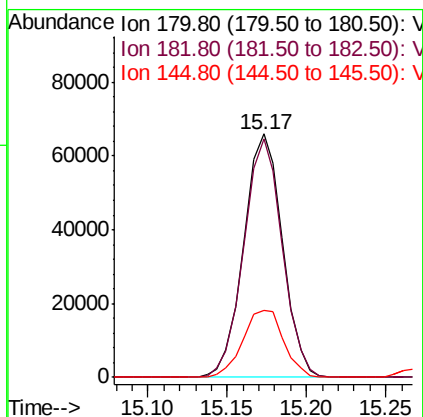
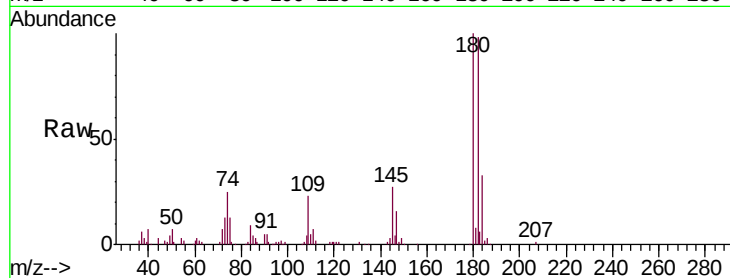




#93
 1,2,4-Trichlorobenzene
 Concen: 18.568 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

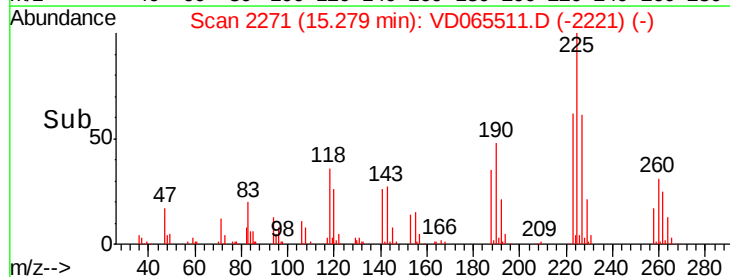
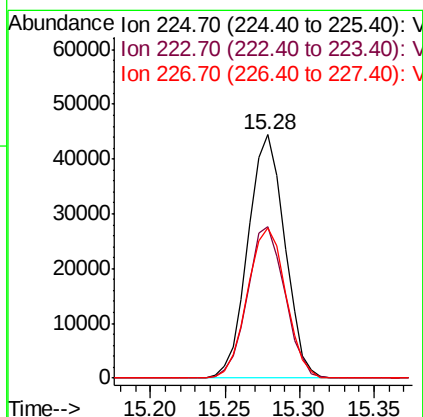
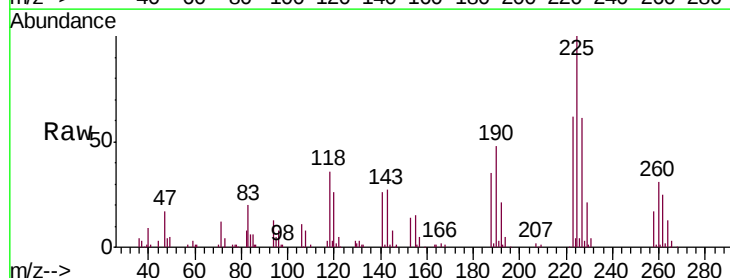
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

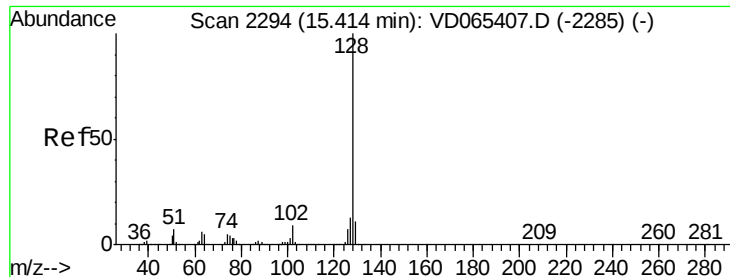
Tgt Ion:180 Resp: 112334
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.3 144.9
 145 29.1 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 19.069 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion:225 Resp: 75802
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.5
 227 64.2 31.6 94.7

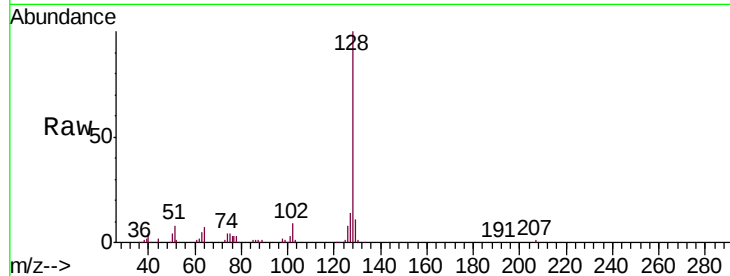




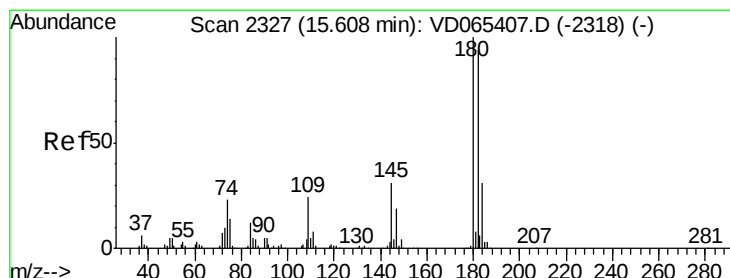
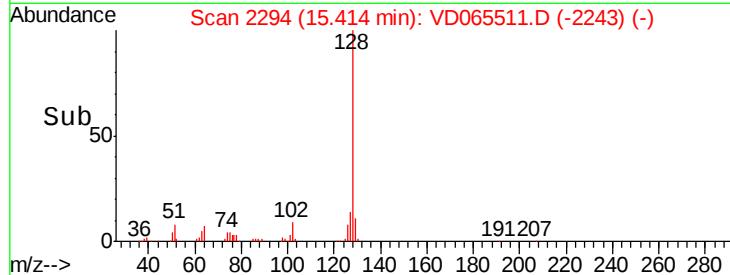
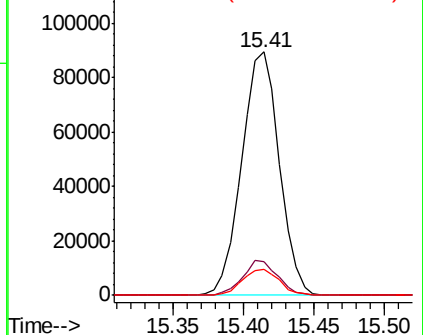
#95
Naphthalene
Concen: 18.554 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tgt Ion:128 Resp: 167290
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.5 8.7 13.1

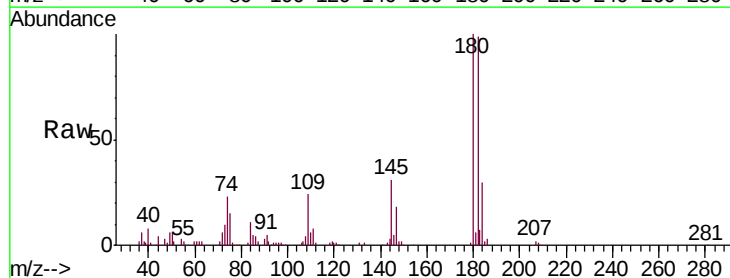


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.099 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion:180 Resp: 99847
Ion Ratio Lower Upper
180 100
182 96.0 46.9 140.6
145 30.3 15.0 45.1



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

