

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065547.D
 Acq On : 27 Mar 2020 16:41
 Operator : VA/SY
 Sample : L2050-07
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	451199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	370254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163644	83.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.28%	
35) Dibromofluoromethane	7.92	113	167058	59.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.96%	
50) Toluene-d8	10.34	98	512322	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.64	95	140517	42.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	64	Below Cal	#	42
3) Chloromethane	2.21	50	344	Below Cal	#	76
5) Bromomethane	2.78	94	751	Below Cal	#	21
8) Diethyl Ether	3.70	74	1637	1.583	ug/l #	36
11) Tert butyl alcohol	5.23	59	54044	488.258	ug/l #	85
13) Acrolein	4.17	56	8194	43.845	ug/l #	1
14) Allyl chloride	4.66	41	4749	1.528	ug/l #	39
15) Acrylonitrile	5.44	53	1516	3.559	ug/l #	25
16) Acetone	4.16	43	28922211	77874.065	ug/l #	79
18) Methyl Acetate	4.72	43	36880	38.188	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	22384	5.494	ug/l #	86
20) Methylene Chloride	4.96	84	20459	3.881	ug/l	92
22) Diisopropyl ether	6.37	45	9249	1.534	ug/l #	96
25) 2-Butanone	7.22	43	95822	189.977	ug/l	98
29) Tetrahydrofuran	7.57	42	1978	6.051	ug/l #	55
31) Cyclohexane	7.96	56	113922	30.790	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	15463	3.751	ug/l #	53
37) Ethyl Acetate	7.30	43	5060	3.207	ug/l #	78
38) Carbon Tetrachloride	7.98	117	21712	5.001	ug/l #	18
39) Methylcyclohexane	9.36	83	219816	45.227	ug/l	97
40) Benzene	8.35	78	31722	2.697	ug/l	91
41) Methacrylonitrile	7.57	41	2448	2.688	ug/l #	30
43) Isopropyl Acetate	8.45	43	55827	19.482	ug/l #	50
48) Methyl methacrylate	9.48	41	9525	6.991	ug/l #	12
51) 4-Methyl-2-Pentanone	10.23	43	318197	220.040	ug/l	100
52) Toluene	10.41	92	9800067	1315.491	ug/l	87
53) t-1,3-Dichloropropene	10.41	75	111174	30.601	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	53654	25.084	ug/l #	24
56) Ethyl methacrylate	10.59	69	491441	179.039	ug/l #	78
59) 2-Hexanone	10.95	43	37633	38.168	ug/l #	23
67) Ethyl Benzene	11.75	91	1087954	89.236	ug/l	99
68) m/p-Xylenes	11.85	106	864641	180.621	ug/l	100
69) o-Xylene	12.18	106	831161	198.256	ug/l	99
70) Styrene	12.18	104	43413	5.863	ug/l #	1

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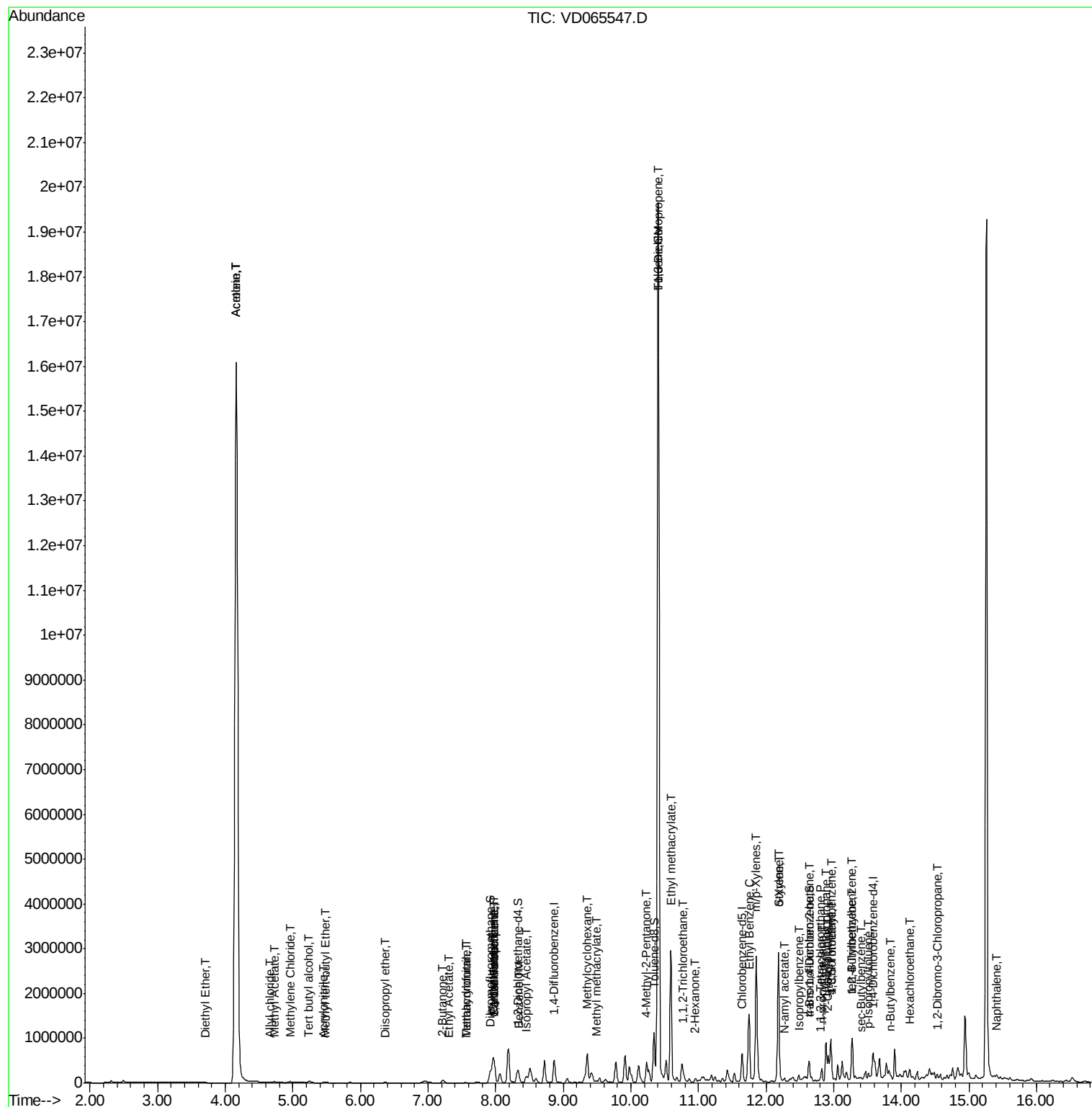
73) Isopropylbenzene	12.48	105	87763	11.162	ug/l	99
74) N-amyl acetate	12.27	43	29681	19.128	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.80	83	3405	2.493	ug/l #	25
76) 1,2,3-Trichloropropane	12.89	75	4522	4.593	ug/l #	100
78) n-propylbenzene	12.83	91	228409	24.371	ug/l	100
79) 2-Chlorotoluene	12.92	91	32763	6.128	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.97	105	258916	39.729	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69853	158.388	ug/l #	13
82) 4-Chlorotoluene	12.97	91	26686	4.696	ug/l #	41
83) tert-Butylbenzene	13.27	119	66807	12.240	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.27	105	537099	82.437	ug/l	100
85) sec-Butylbenzene	13.41	105	26079	3.339	ug/l #	69
86) p-Isopropyltoluene	13.53	119	21608	3.002	ug/l	99
89) n-Butylbenzene	13.85	91	30476	4.662	ug/l #	71
90) Hexachloroethane	14.13	117	11779	7.804	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.53	75	396	1.925	ug/l #	8
95) Naphthalene	15.41	128	69232	20.314	ug/l	98

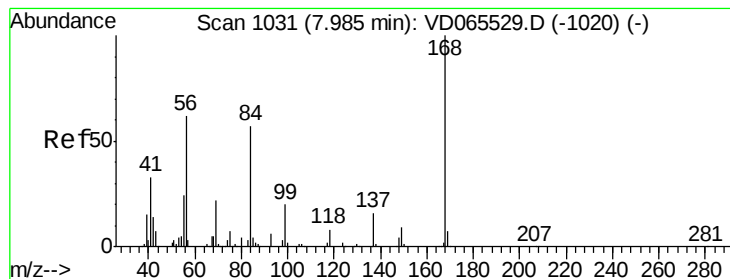
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

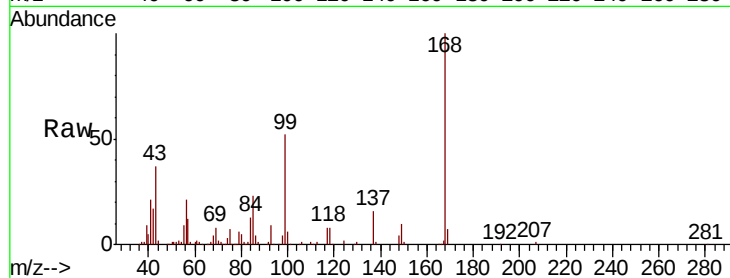
ClientSampleID :

Tot Ion:168 Resp: 236457

Ion Ratio Lower Upper

168 100

99 51.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

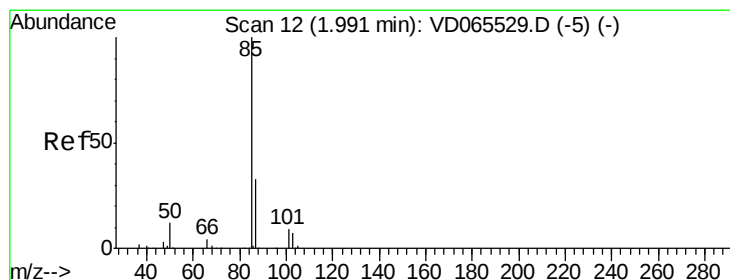
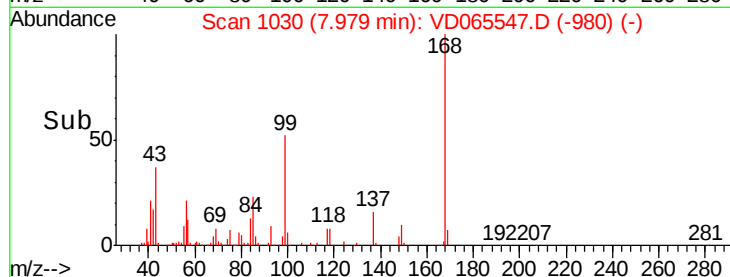
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065547.D

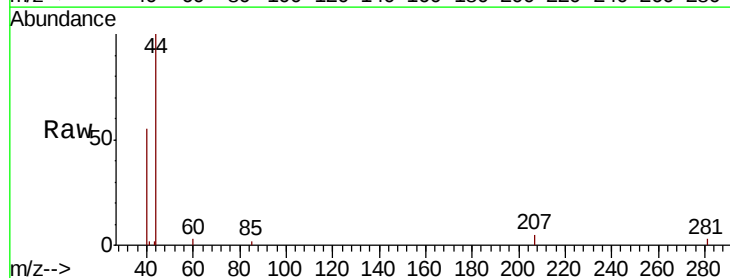
Acq: 27 Mar 2020 16:41

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

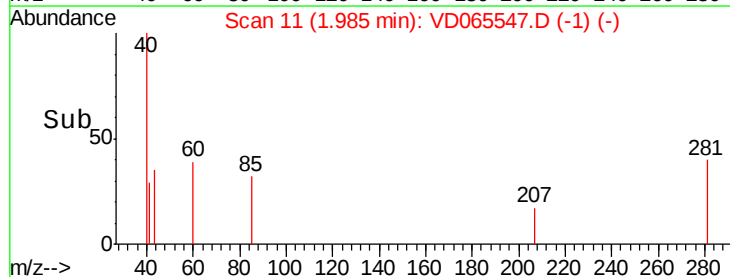
150

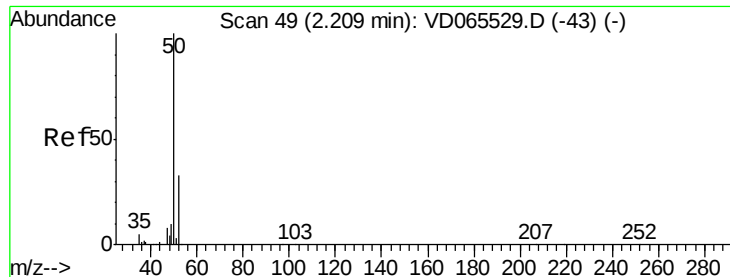
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

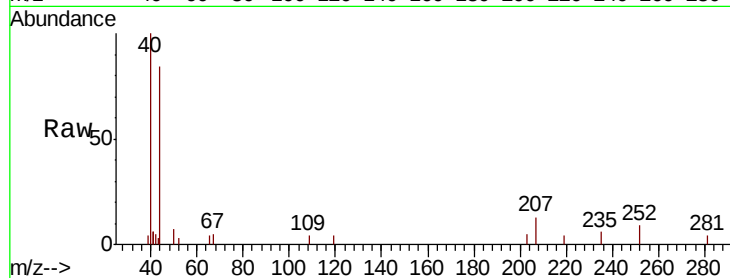
ClientSampleId :

Tot Ion: 50 Resp: 344

Ion Ratio Lower Upper

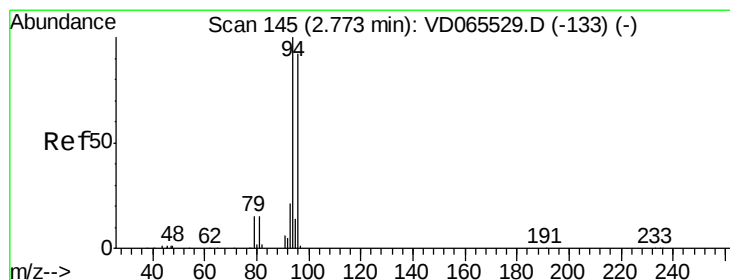
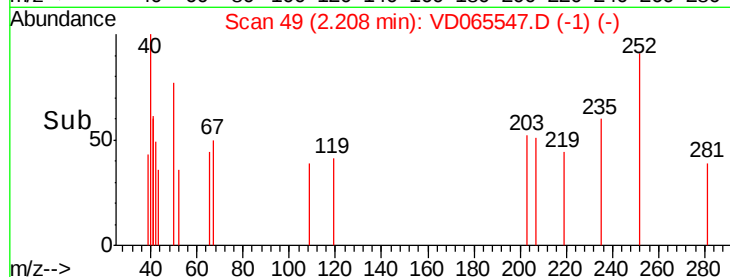
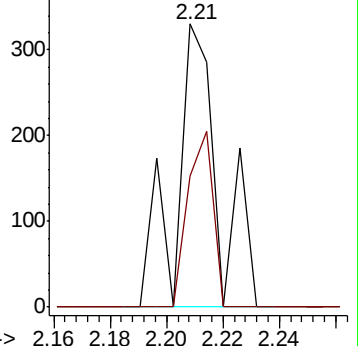
50 100

52 46.4 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065547.D

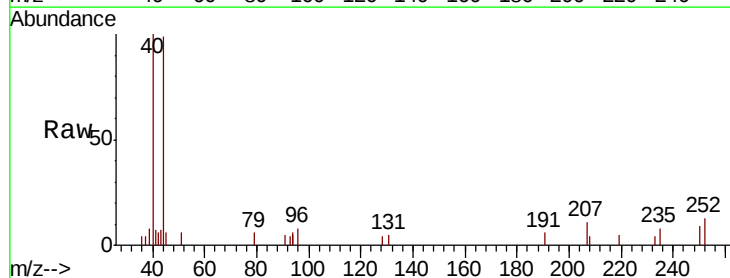
Acq: 27 Mar 2020 16:41

Tgt Ion: 94 Resp: 751

Ion Ratio Lower Upper

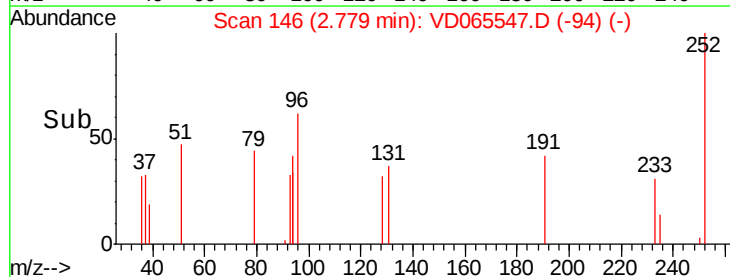
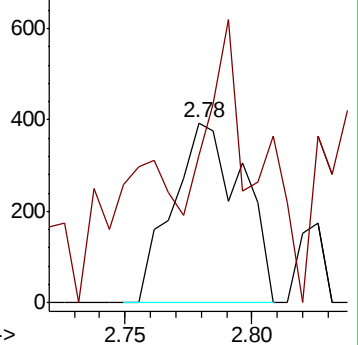
94 100

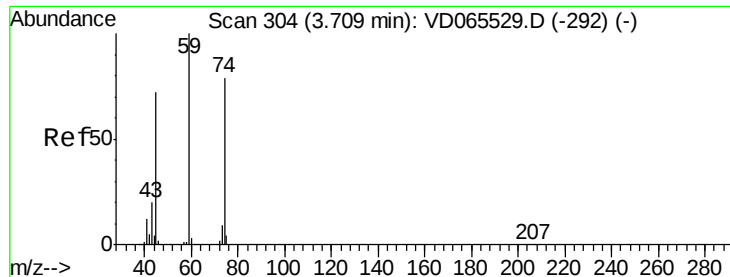
96 16.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.583 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

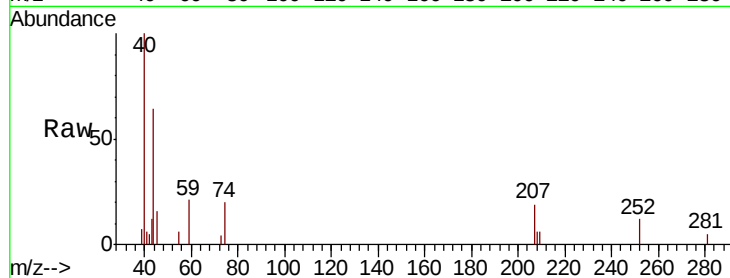
ClientSampled :

Tot Ion: 74 Resp: 1637

Ion Ratio Lower Upper

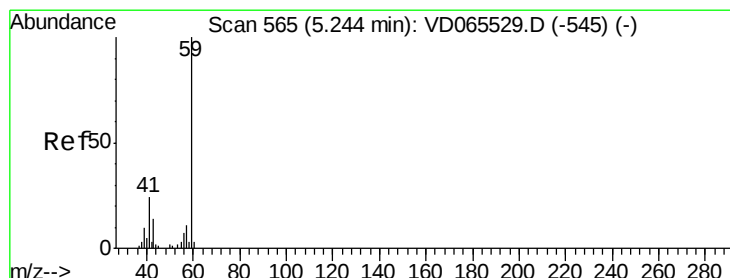
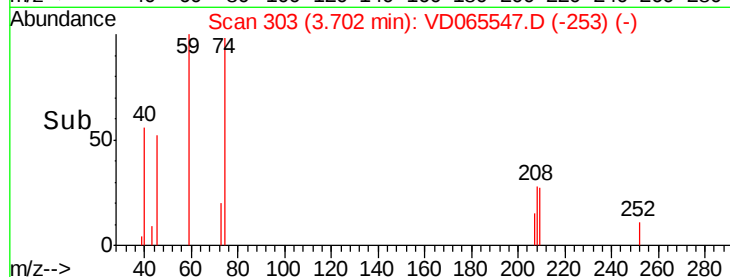
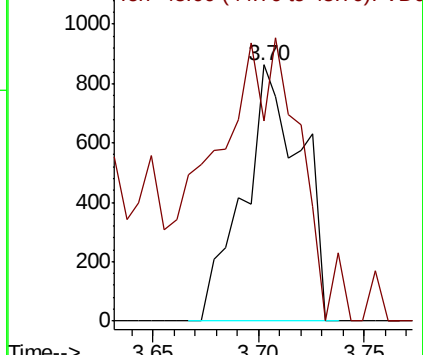
74 100

45 159.0 48.2 144.6#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#11

Tert butyl alcohol

Concen: 488.258 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD065547.D

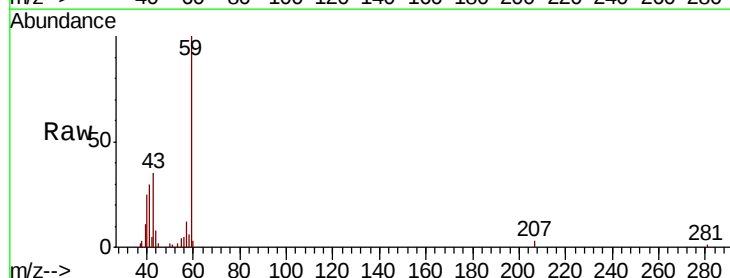
Acq: 27 Mar 2020 16:41

Tgt Ion: 59 Resp: 54044

Ion Ratio Lower Upper

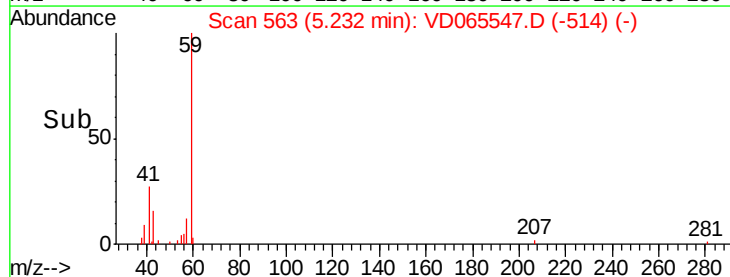
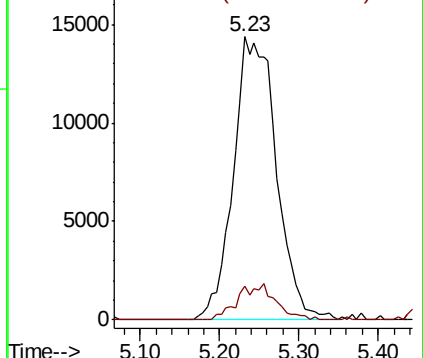
59 100

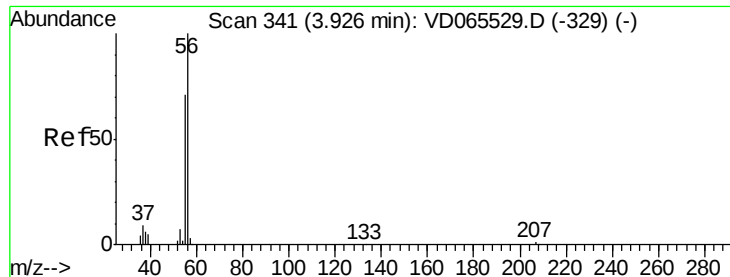
57 4.4 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 43.845 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.24 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

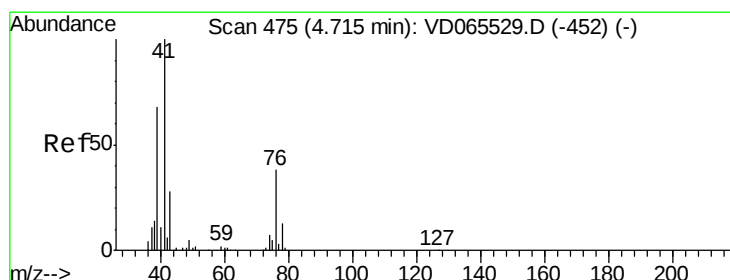
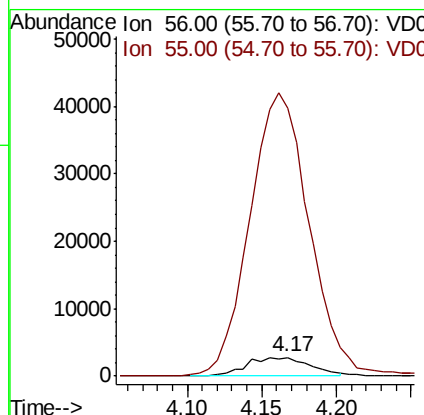
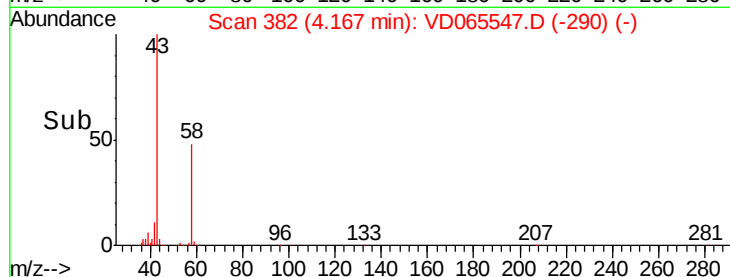
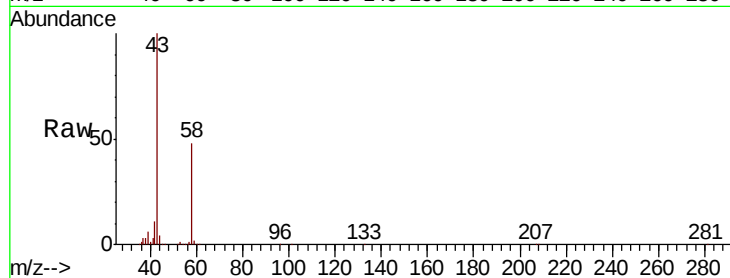
ClientSampleId :

Tot Ion: 56 Resp: 8194

Ion Ratio Lower Upper

56 100

55 1392.1 56.2 84.2#



#14

Allyl chloride

Concen: 1.528 ug/l

RT: 4.66 min Scan# 466

Delta R.T. -0.05 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

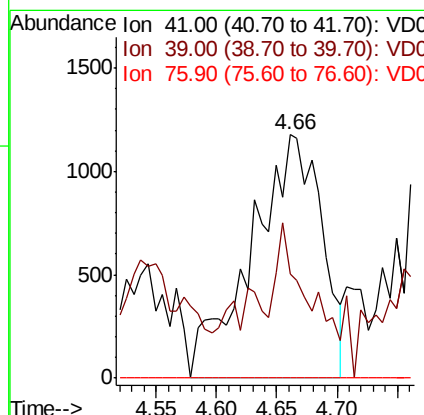
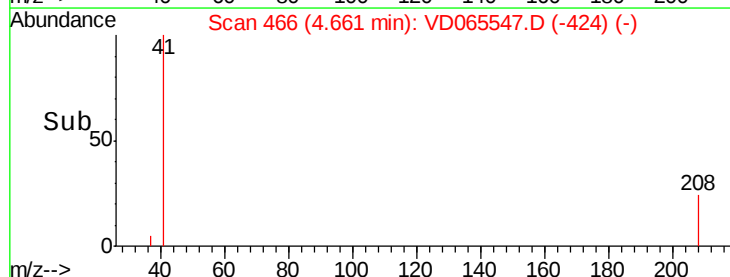
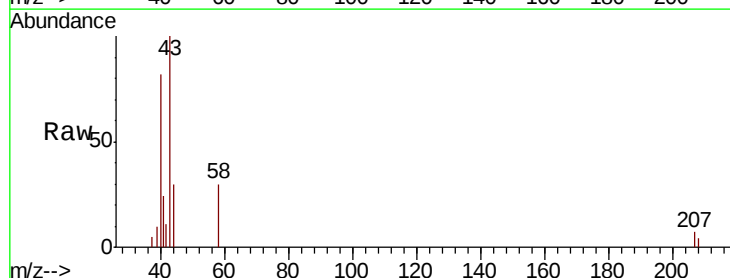
Tgt Ion: 41 Resp: 4749

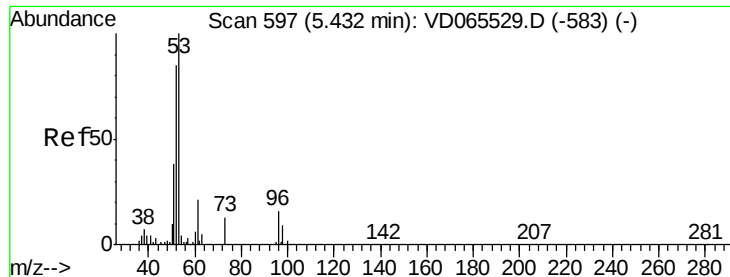
Ion Ratio Lower Upper

41 100

39 17.2 52.9 79.3#

76 0.0 28.9 43.3#





#15

Acrylonitrile

Concen: 3.559 ug/l

RT: 5.44 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampled :

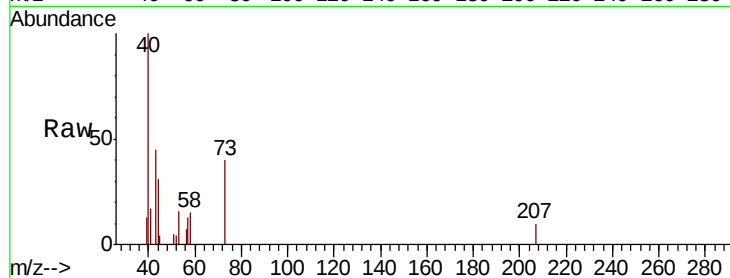
Tot Ion: 53 Resp: 1516

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 15.0 29.7 44.5#

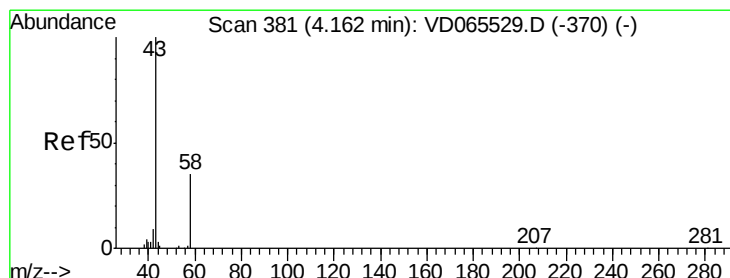
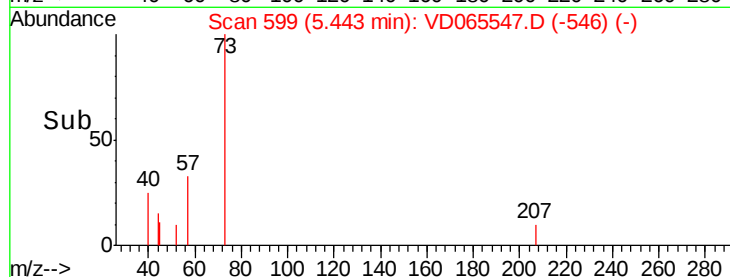
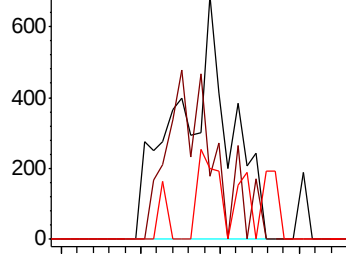


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

5.44



#16

Acetone

Concen: 77874.065 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065547.D

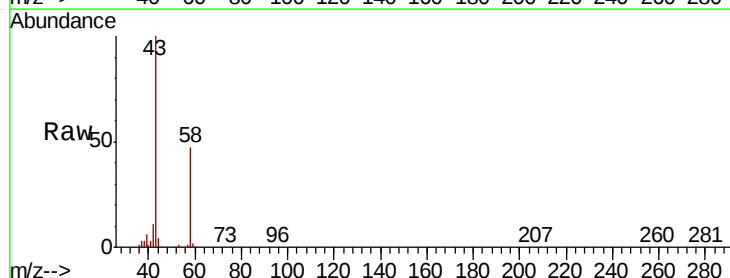
Acq: 27 Mar 2020 16:41

Tgt Ion: 43 Resp: 28922211

Ion Ratio Lower Upper

43 100

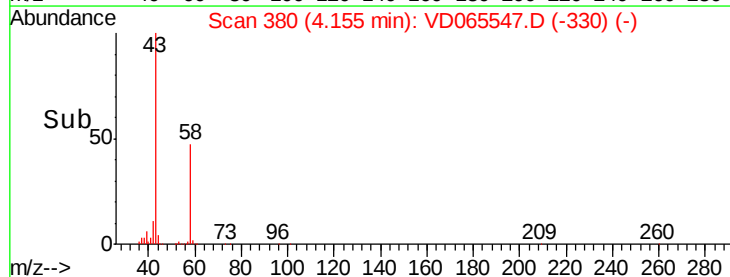
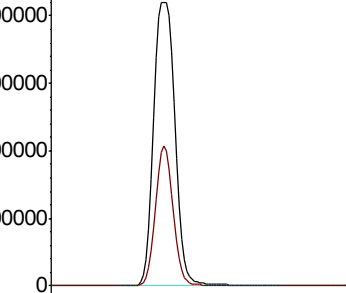
58 47.1 27.9 41.9#

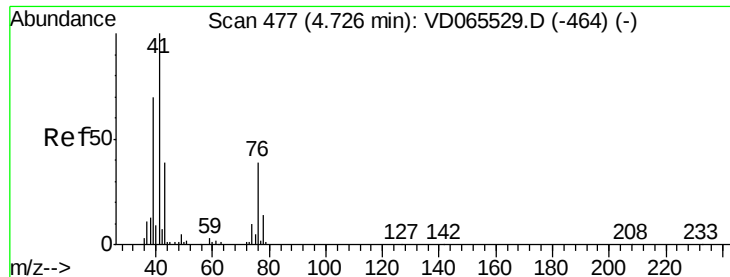


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

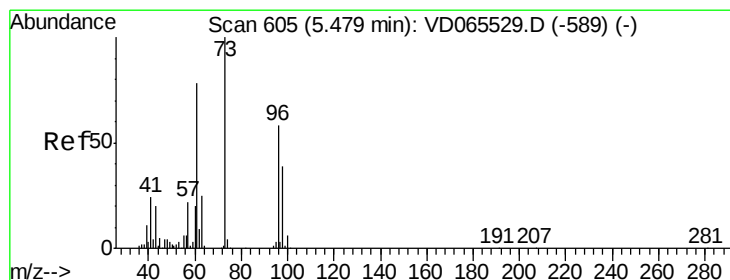
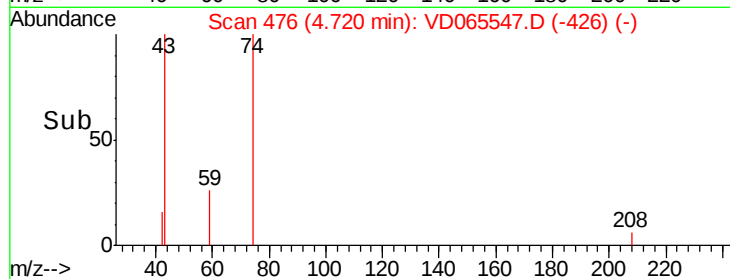
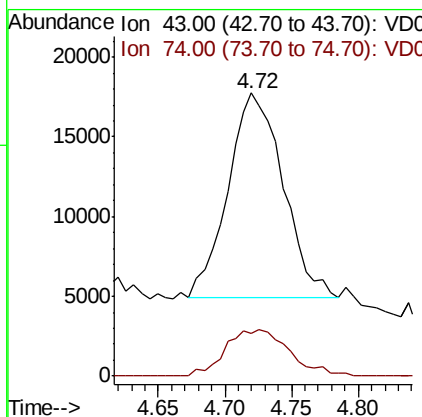
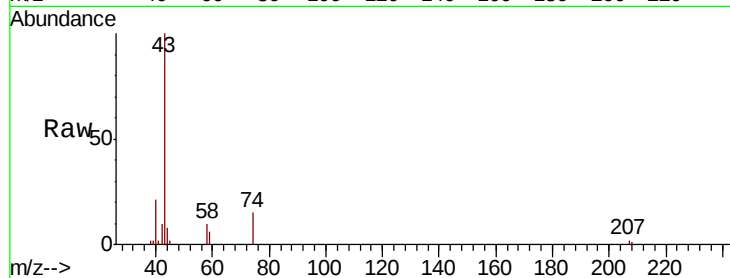




#18
Methyl Acetate
Concen: 38.188 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

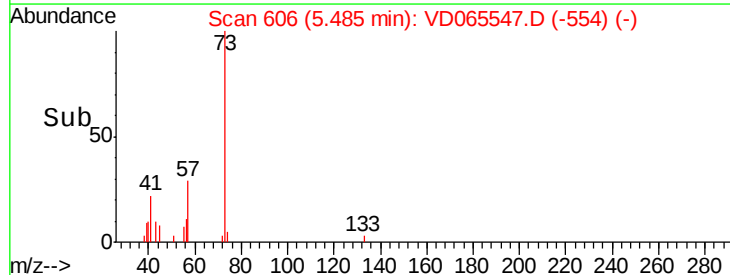
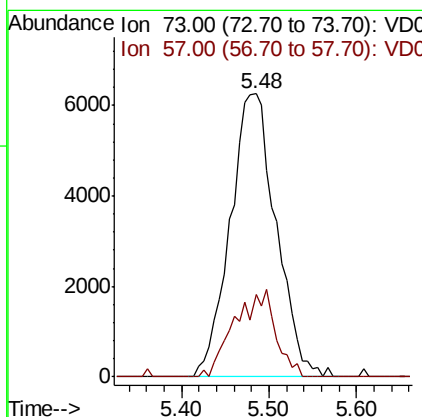
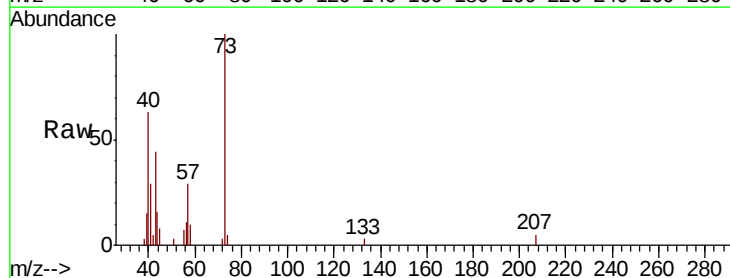
Instrument :
MSVOA_D
ClientSampled :

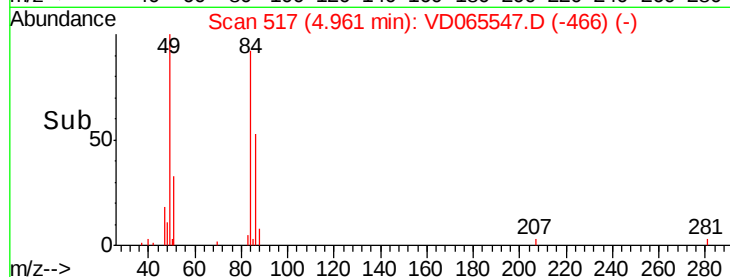
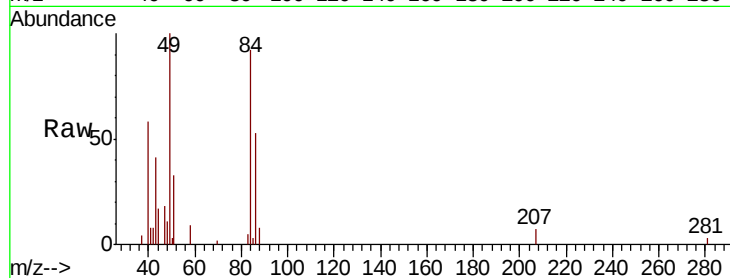
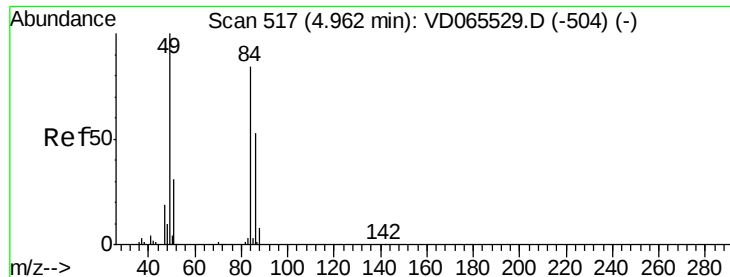
Tot Ion: 43 Resp: 36880
Ion Ratio Lower Upper
43 100
74 26.4 20.1 30.1



#19
Methyl tert-butyl Ether
Concen: 5.494 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 73 Resp: 22384
Ion Ratio Lower Upper
73 100
57 29.0 17.7 26.5#

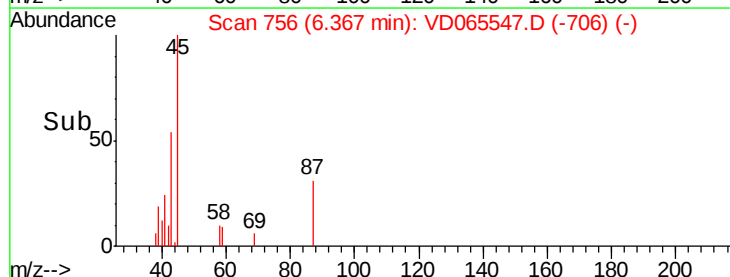
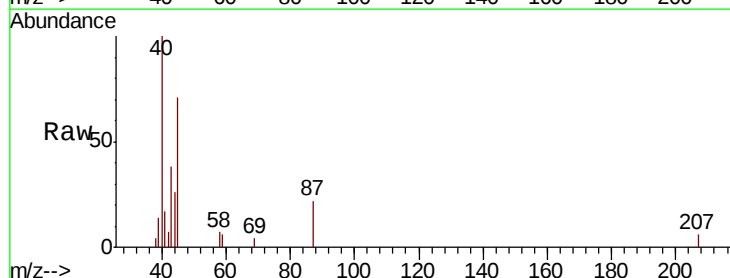
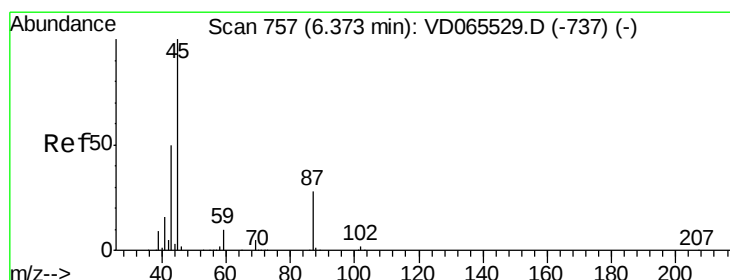
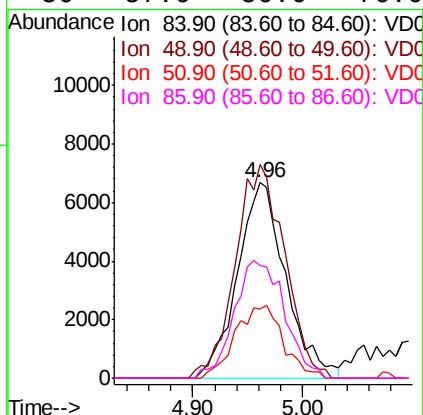




#20
Methvlene Chloride
Concen: 3.881 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

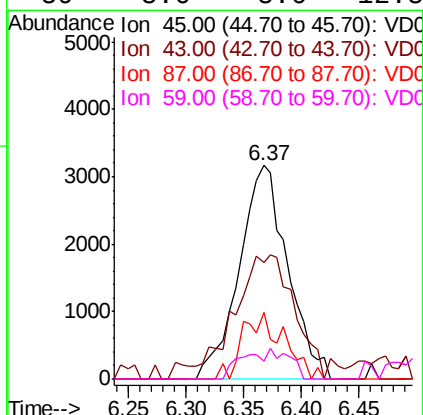
Instrument :
MSVOA_D
ClientSampleId :

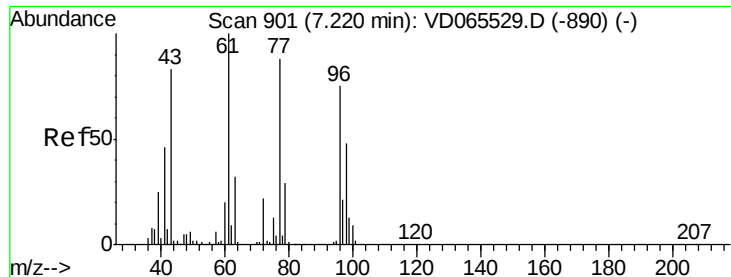
Tot Ion:	84	Resp:	20459
Ion	Ratio	Lower	Upper
84	100		
49	109.2	95.6	143.4
51	35.5	29.4	44.2
86	57.6	50.6	76.0



#22
Diisopropyl ether
Concen: 1.534 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion:	45	Resp:	9249
Ion	Ratio	Lower	Upper
45	100		
43	48.5	40.5	60.7
87	31.4	22.5	33.7
59	8.6	8.6	12.8#

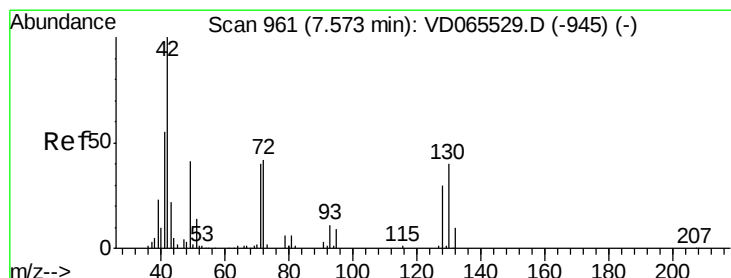
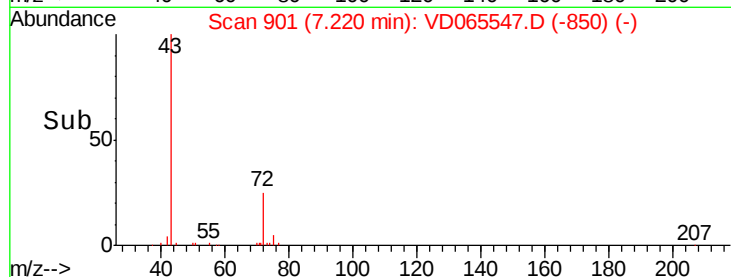
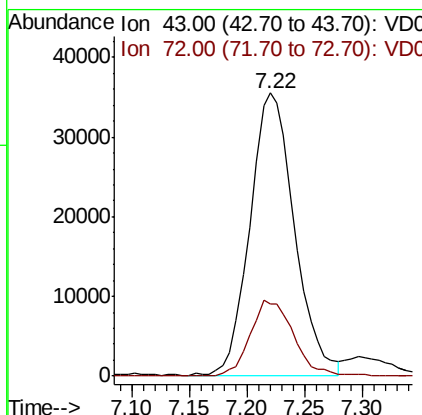
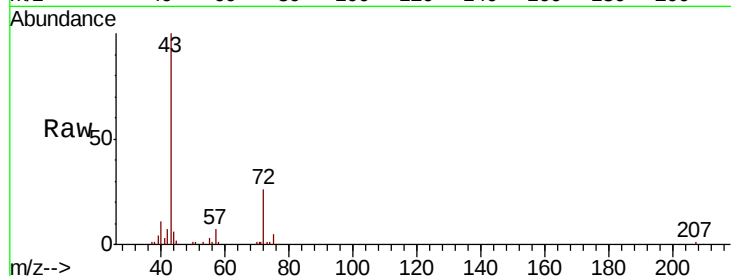




#25
2-Butanone
Concen: 189.977 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

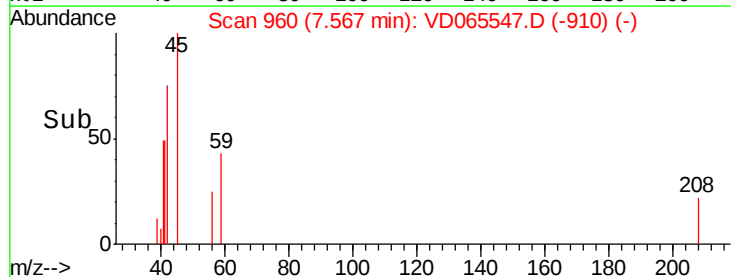
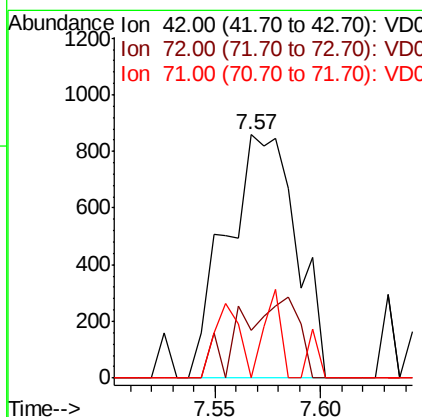
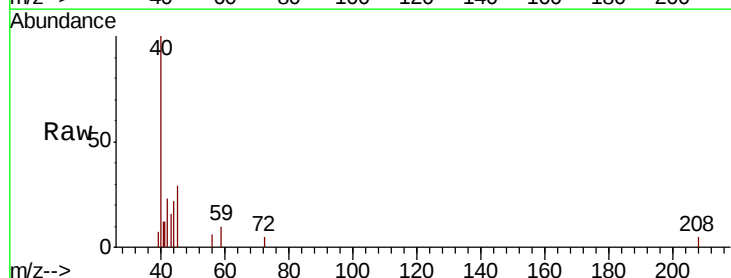
Instrument :
MSVOA_D
ClientSampleId :

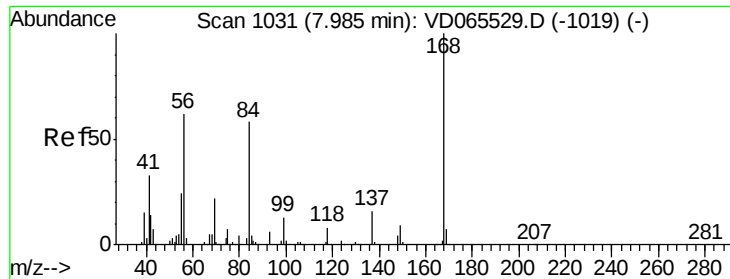
Tot Ion: 43 Resp: 95822
Ion Ratio Lower Upper
43 100
72 25.7 21.5 32.3



#29
Tetrahydrofuran
Concen: 6.051 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 42 Resp: 1978
Ion Ratio Lower Upper
42 100
72 27.2 35.0 52.6#
71 0.0 33.0 49.6#

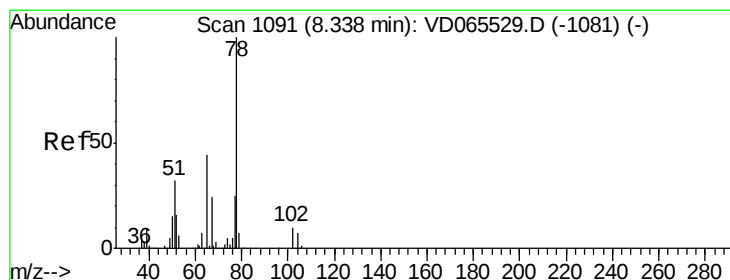
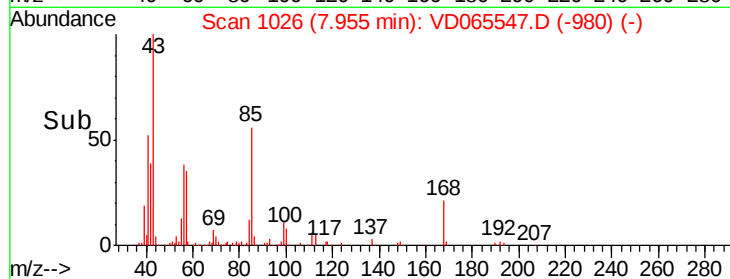
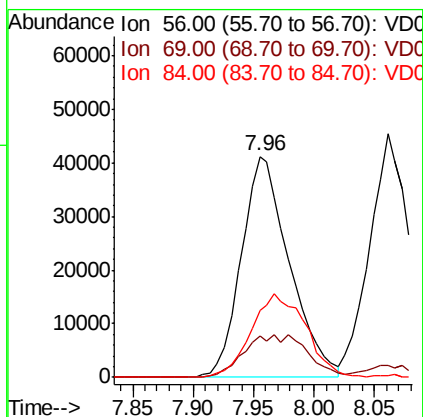
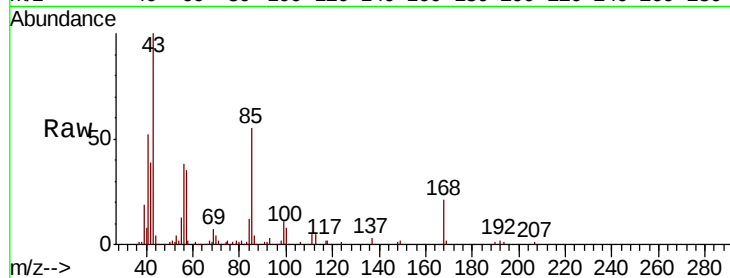




#31
Cyclohexane
Concen: 30.790 ug/l
RT: 7.96 min Scan# 1026
Delta R.T. -0.03 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

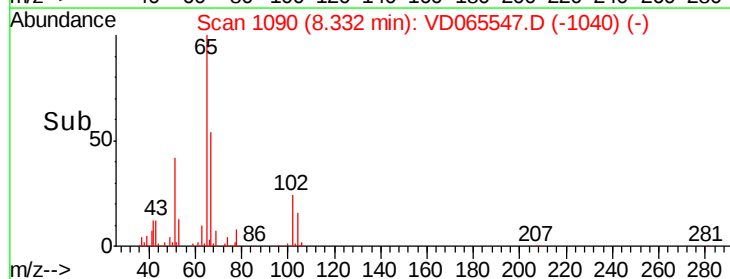
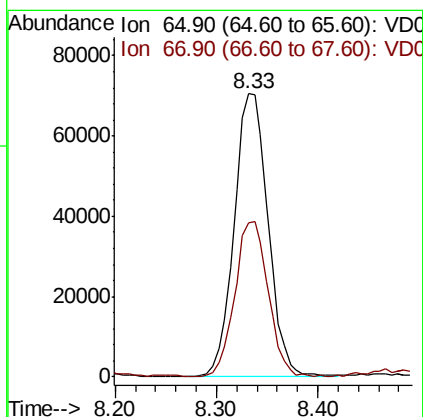
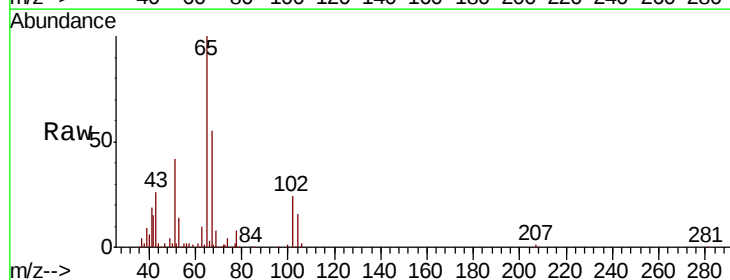
Instrument :
MSVOA_D
ClientSampleID :

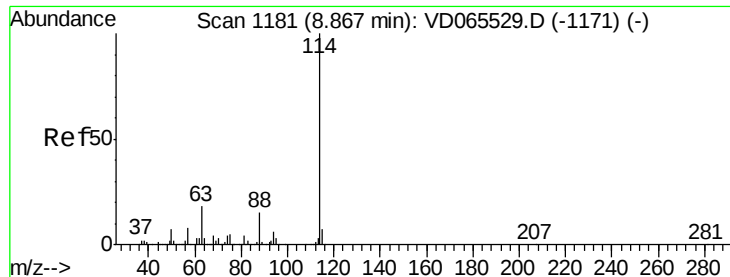
Tot Ion: 56 Resp: 113922
Ion Ratio Lower Upper
56 100
69 18.5 28.2 42.4#
84 30.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 83.138 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 65 Resp: 163644
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.6

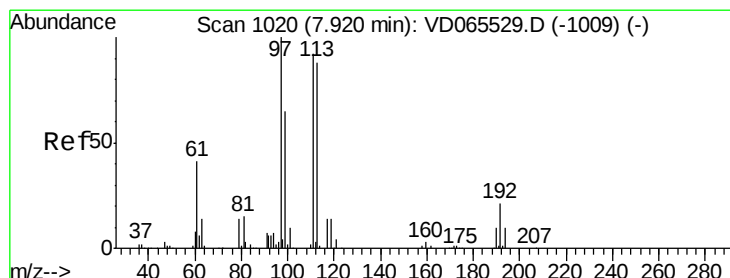
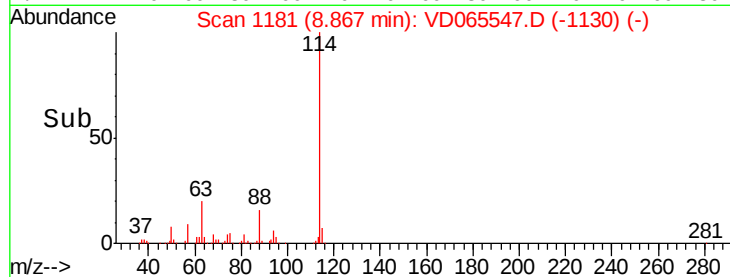
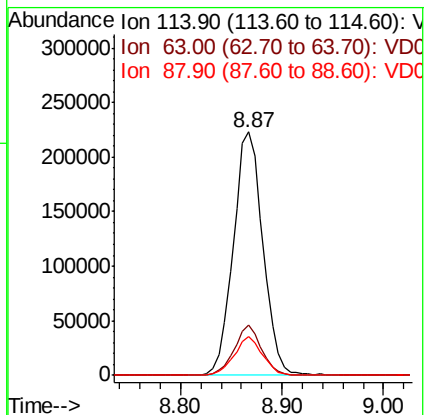
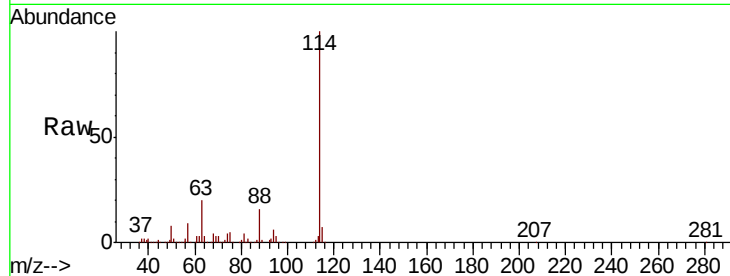




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

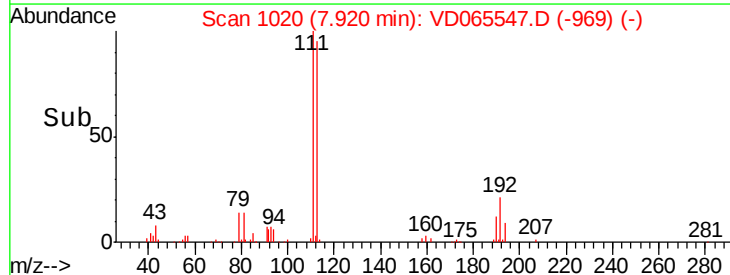
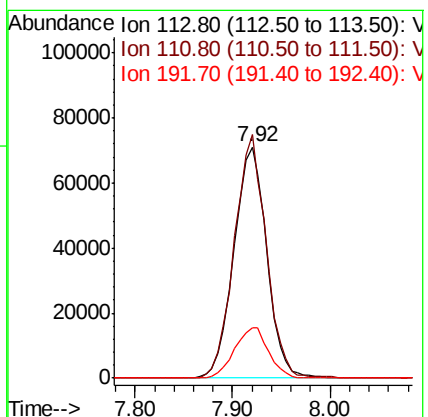
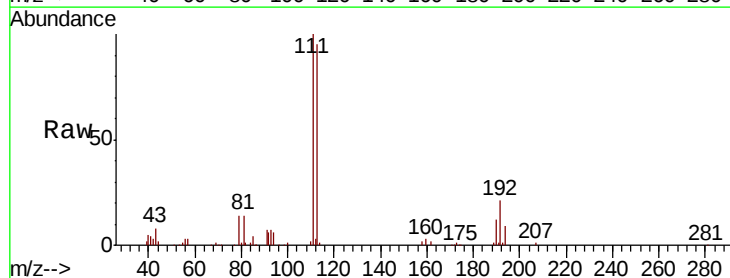
Instrument :
 MSVOA_D
 ClientSampleId :

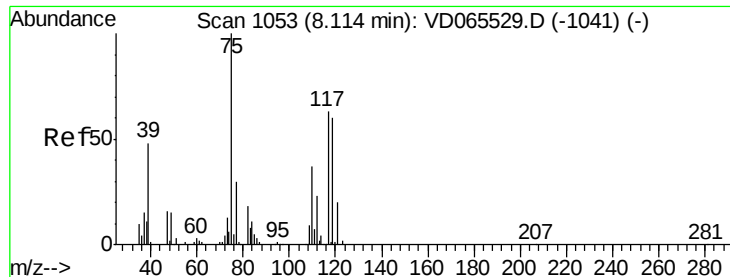
Tot Ion:114 Resp: 451199
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.0
 88 16.1 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 59.985 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Tgt Ion:113 Resp: 167058
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.3 124.9
 192 22.6 18.5 27.7





#36

1,1-Dichloropropene

Concen: 3.751 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

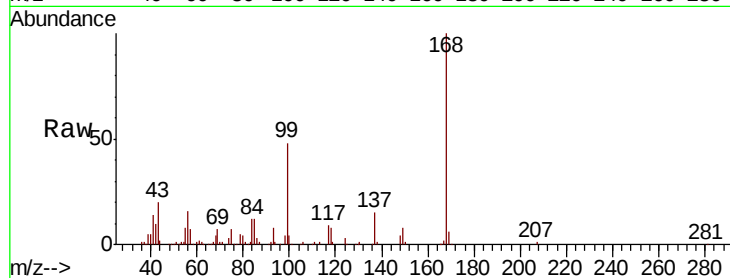
Tot Ion: 75 Resp: 15463

Ion Ratio Lower Upper

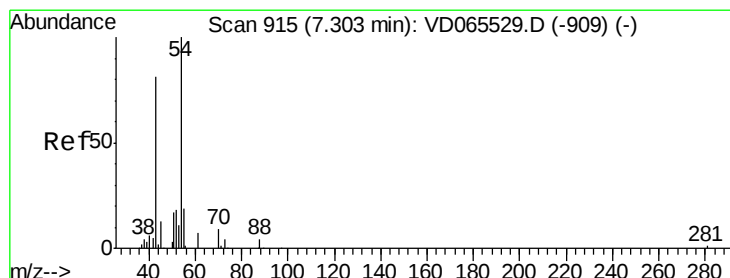
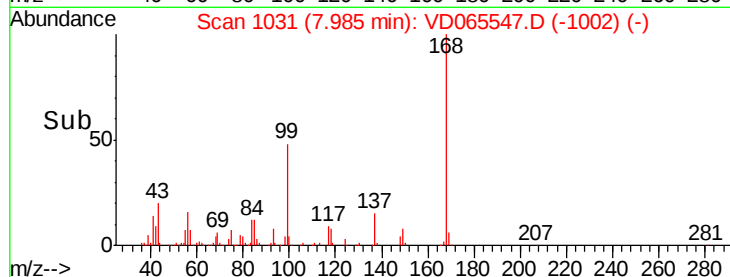
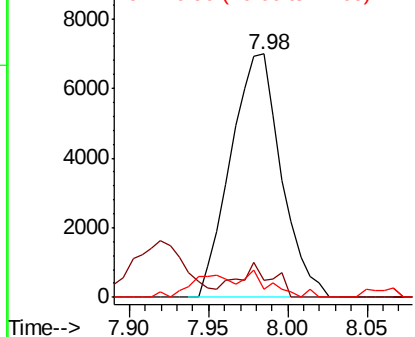
75 100

110 9.7 18.8 56.4#

77 5.3 25.1 37.7#



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



#37

Ethyl Acetate

Concen: 3.207 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

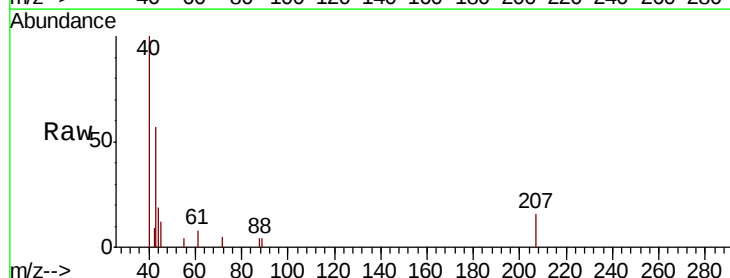
Tgt Ion: 43 Resp: 5060

Ion Ratio Lower Upper

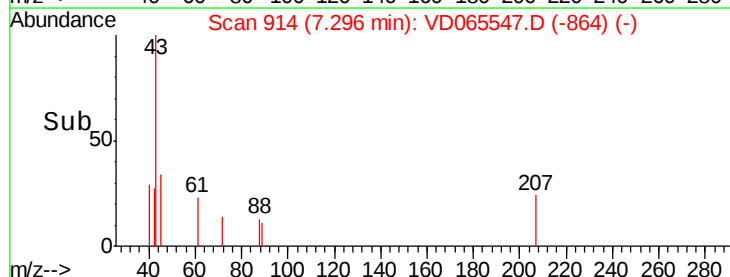
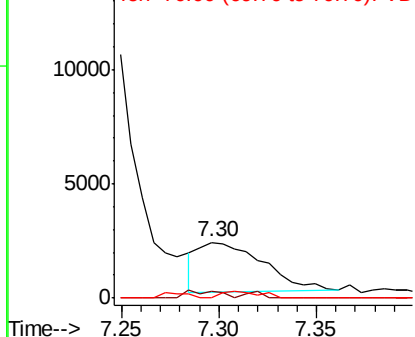
43 100

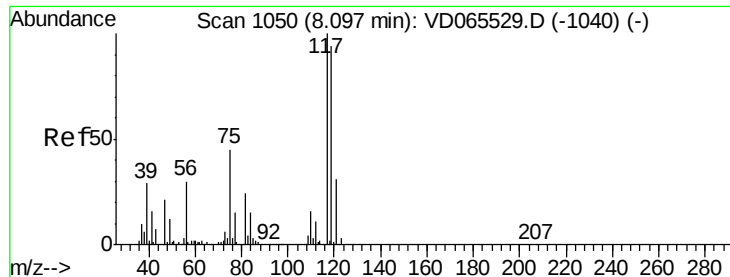
61 7.5 12.2 18.4#

70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

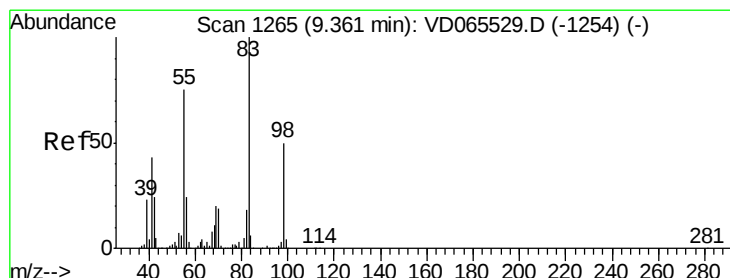
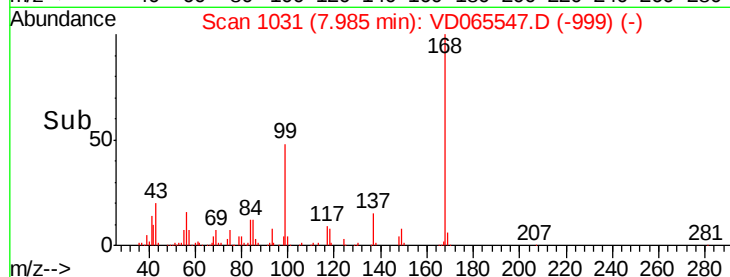
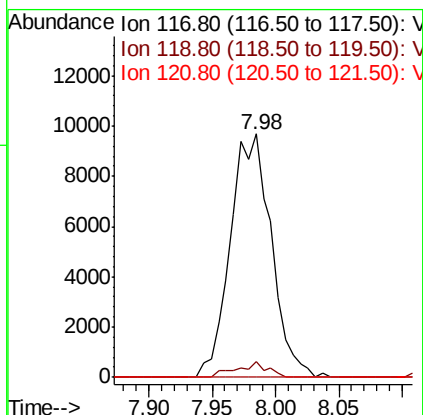
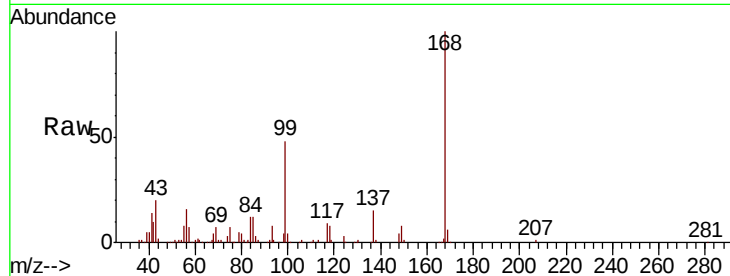




#38
Carbon Tetrachloride
Concen: 5.001 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

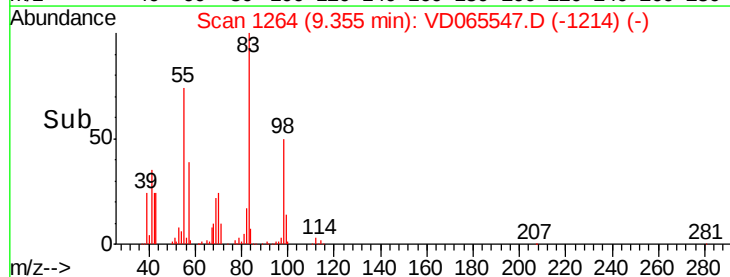
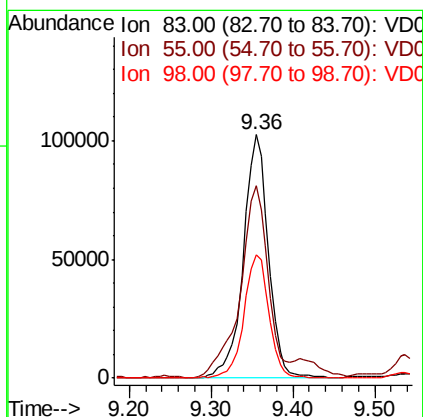
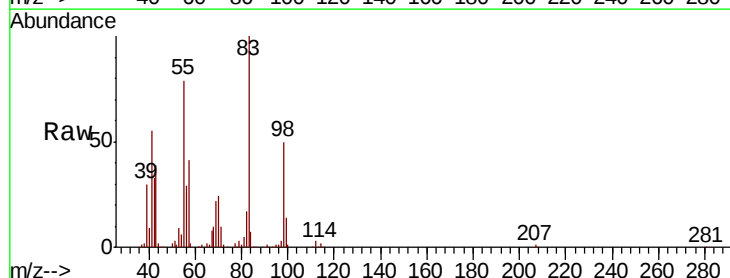
Instrument :
MSVOA_D
ClientSampleId :

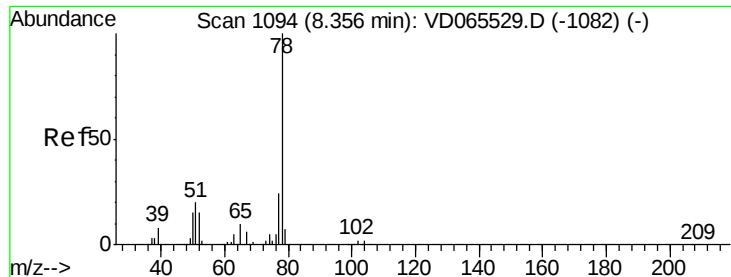
Tot Ion:117 Resp: 21712
Ion Ratio Lower Upper
117 100
119 6.6 75.2 112.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 45.227 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 83 Resp: 219816
Ion Ratio Lower Upper
83 100
55 78.8 59.7 89.5
98 50.4 40.2 60.2

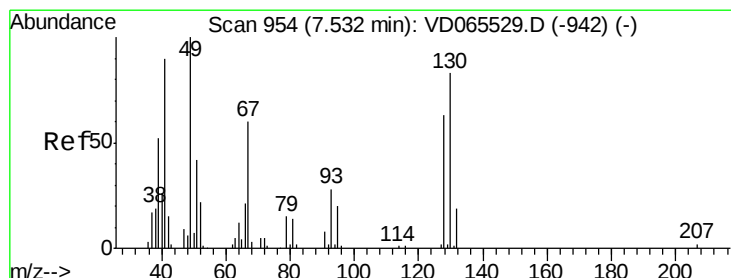
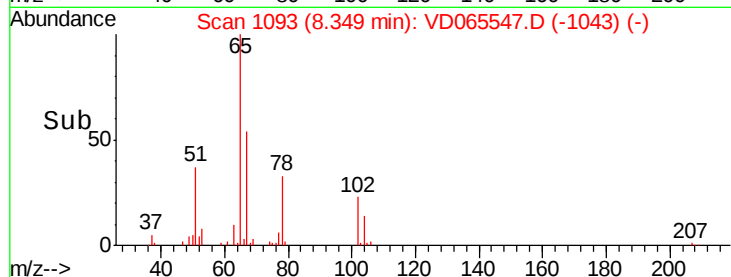
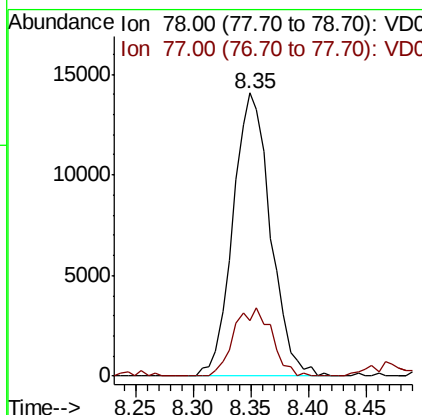
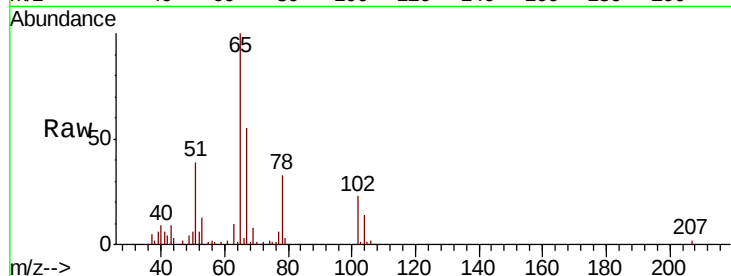




#40
Benzene
Concen: 2.697 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

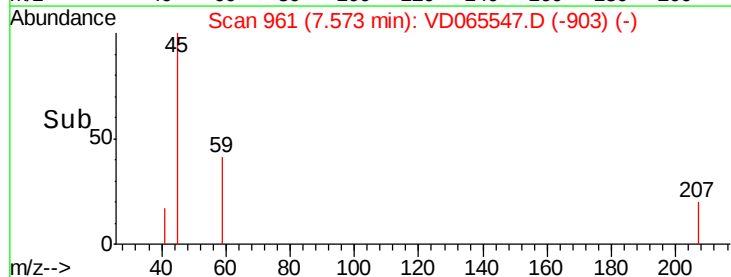
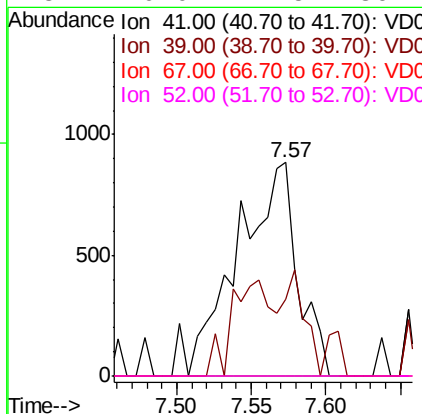
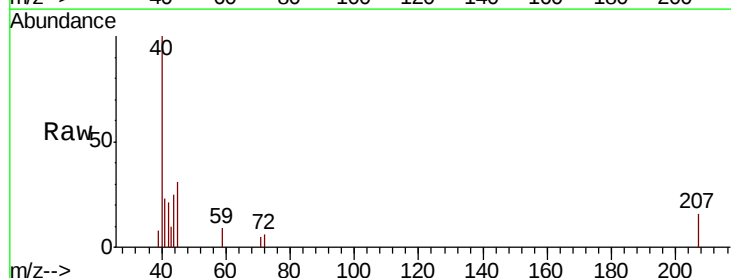
Instrument :
MSVOA_D
ClientSampleId :

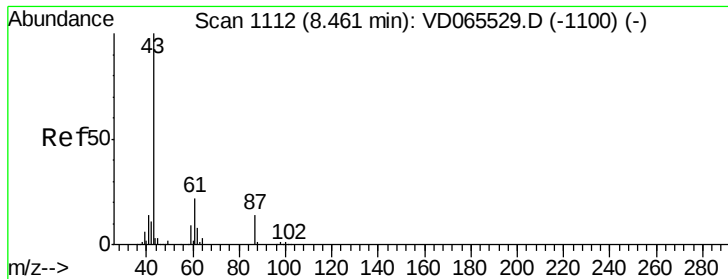
Tot Ion: 78 Resp: 31722
Ion Ratio Lower Upper
78 100
77 19.6 19.1 28.7



#41
Methacrylonitrile
Concen: 2.688 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 41 Resp: 2448
Ion Ratio Lower Upper
41 100
39 17.3 42.9 64.3#
67 0.0 60.5 90.7#
52 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 19.482 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

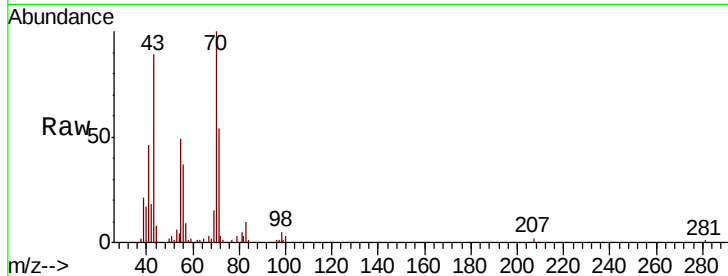
Tot Ion: 43 Resp: 55827

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#

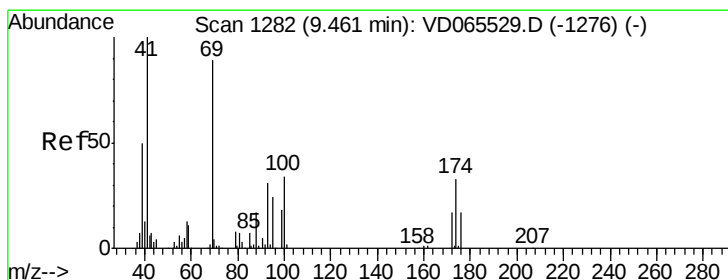
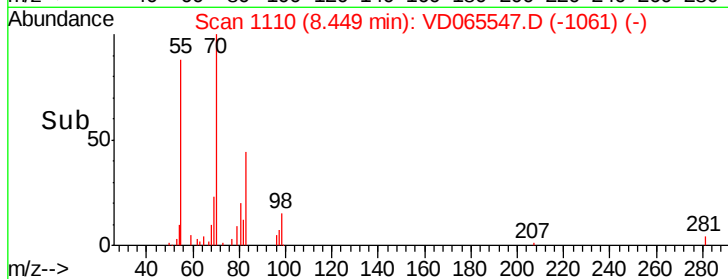
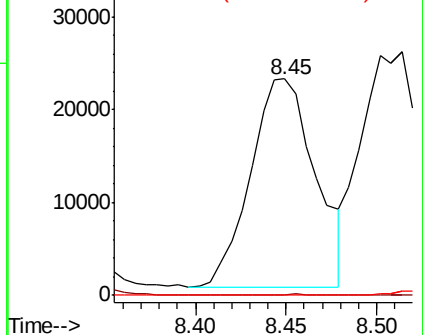
87 0.0 11.0 16.4#



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



#48

Methyl methacrylate

Concen: 6.991 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.02 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

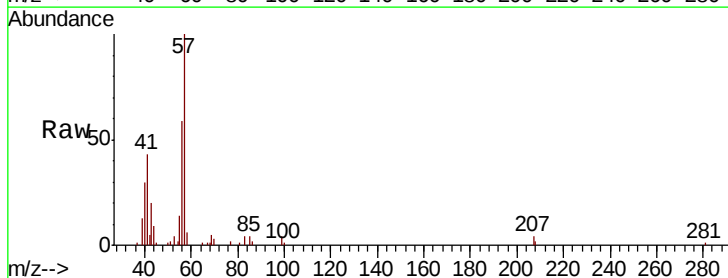
Tgt Ion: 41 Resp: 9525

Ion Ratio Lower Upper

41 100

69 0.0 71.8 107.6#

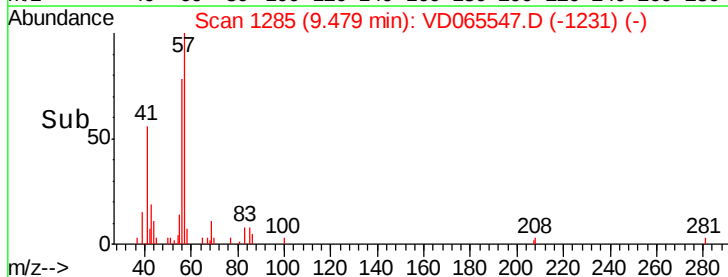
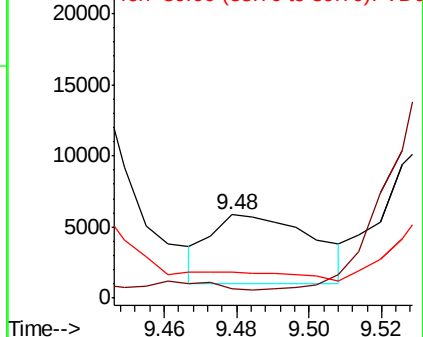
39 0.0 42.2 63.4#

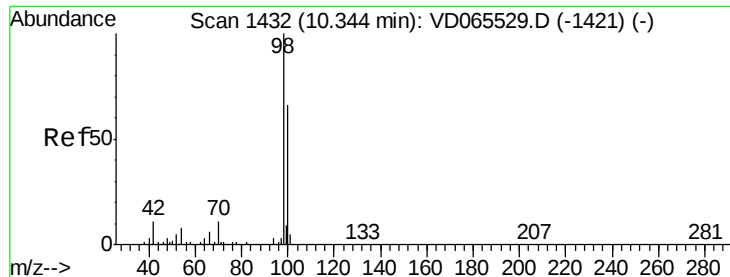


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

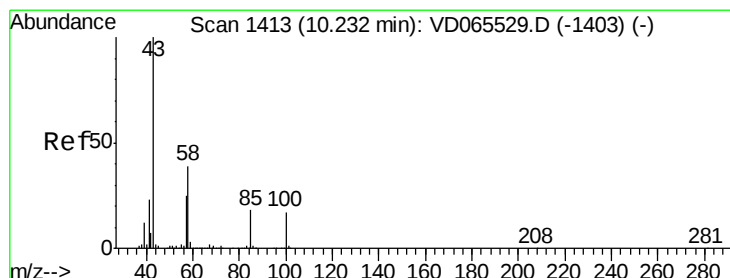
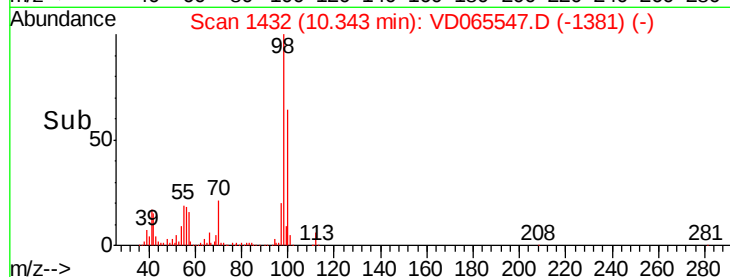
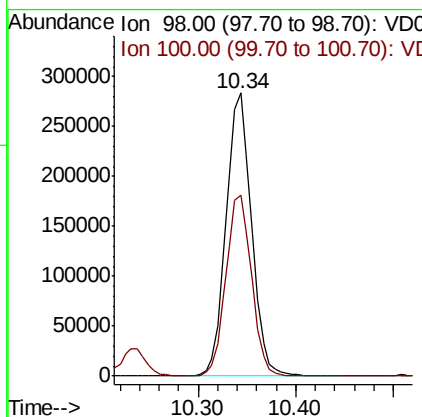
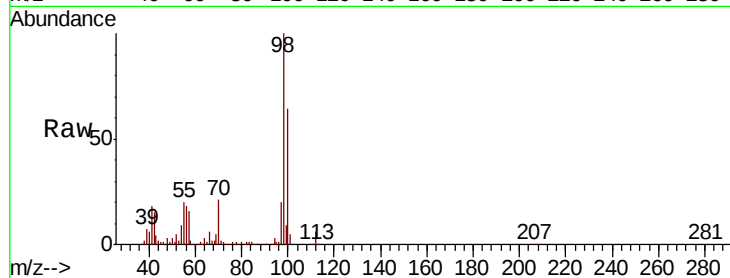




#50
Toluene-d8
Concen: 48.999 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

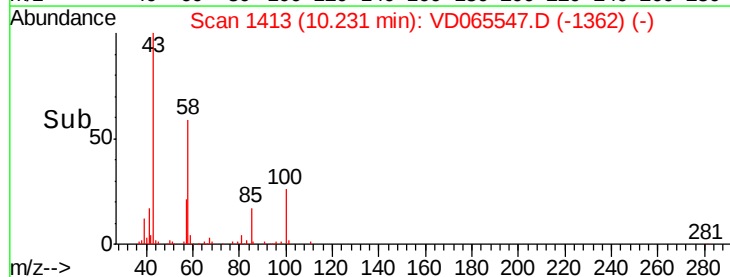
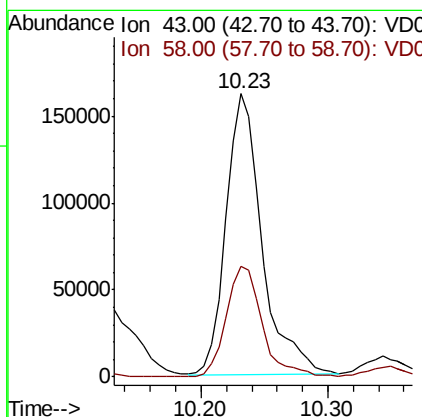
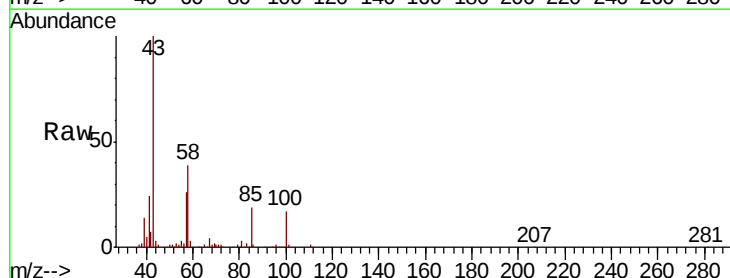
Instrument :
MSVOA_D
ClientSampleId :

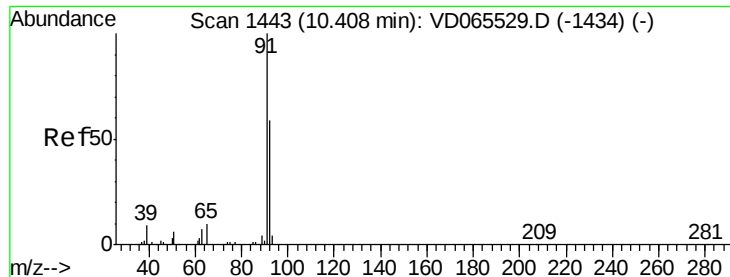
Tot Ion: 98 Resp: 512322
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 220.040 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 43 Resp: 318197
Ion Ratio Lower Upper
43 100
58 39.2 31.4 47.2





#52

Toluene

Concen: 1315.491 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

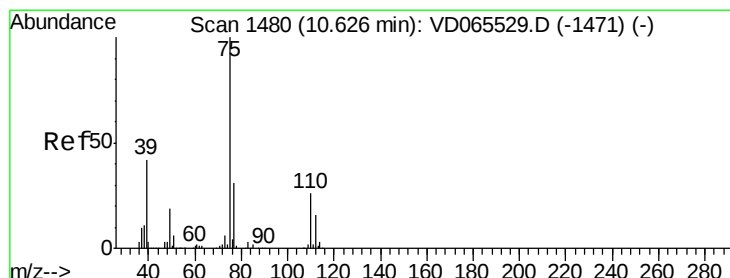
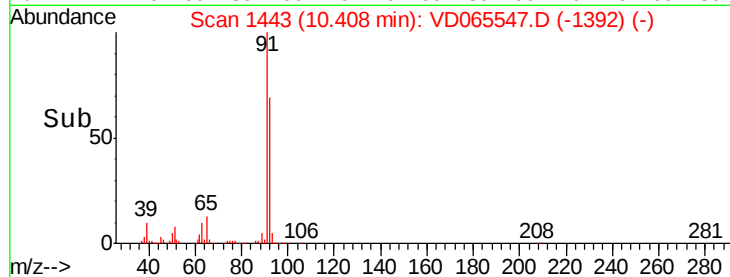
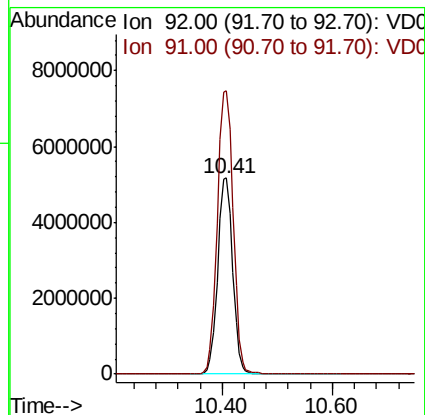
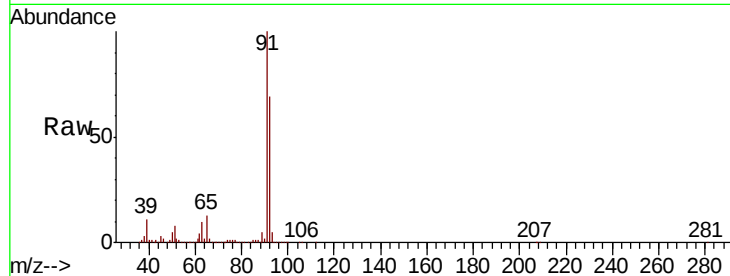
ClientSampleId :

Tot Ion: 92 Resp: 9800067

Ion Ratio Lower Upper

92 100

91 153.8 137.3 205.9



#53

t-1,3-Dichloropropene

Concen: 30.601 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.22 min

Lab File: VD065547.D

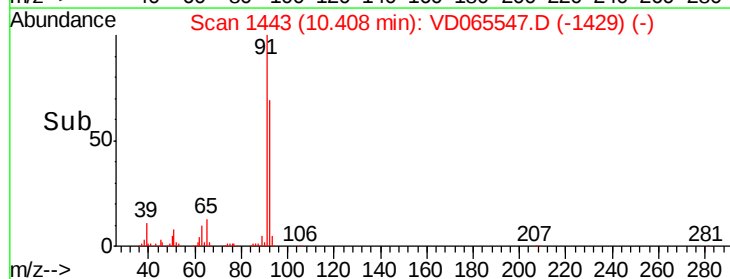
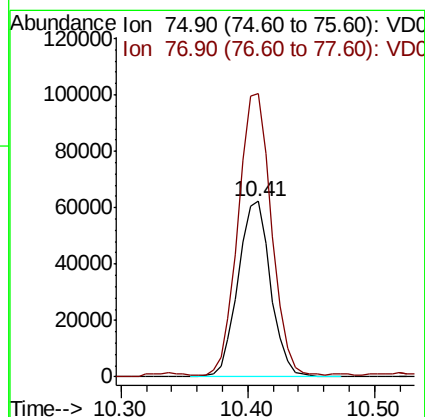
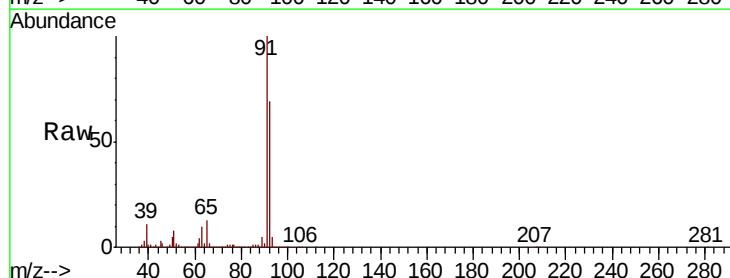
Acq: 27 Mar 2020 16:41

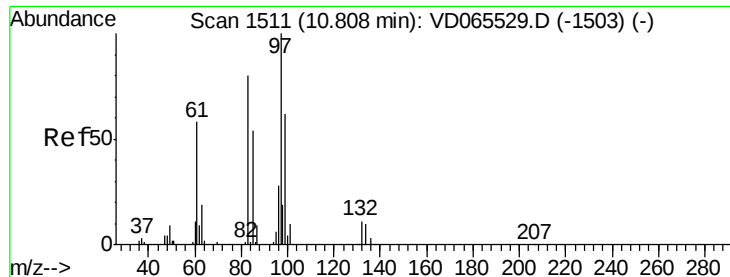
Tgt Ion: 75 Resp: 111174

Ion Ratio Lower Upper

75 100

77 160.0 25.2 37.8#

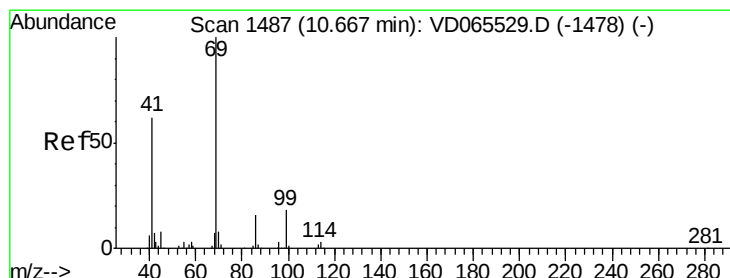
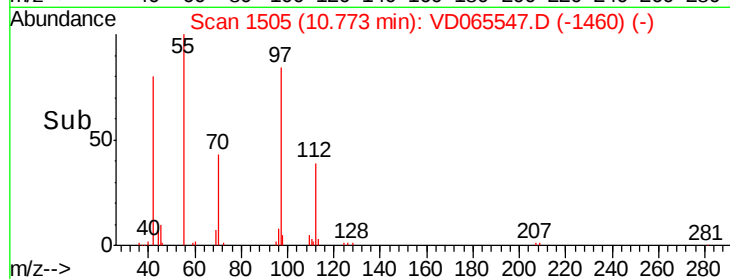
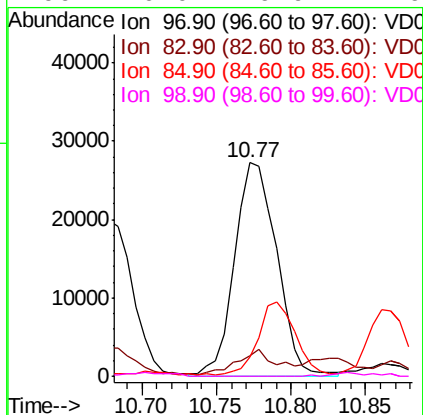
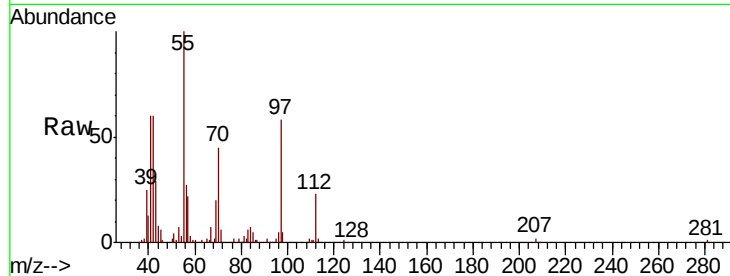




#55
 1,1,2-Trichloroethane
 Concen: 25.084 ug/l
 RT: 10.77 min Scan# 1505
 Delta R.T. -0.04 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

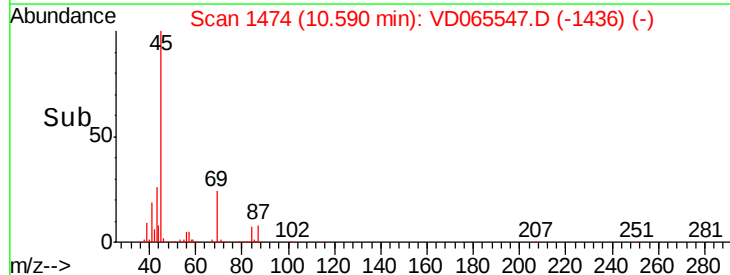
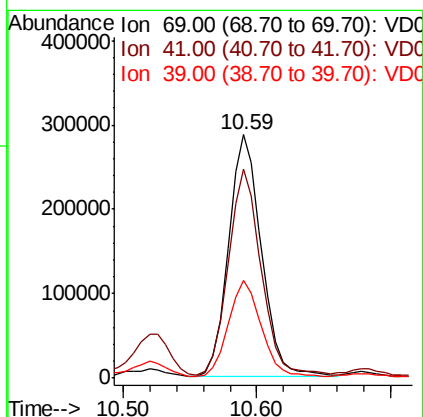
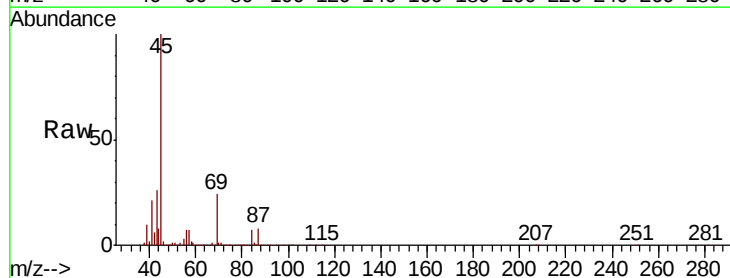
Instrument :
 MSVOA_D
 ClientSampleId :

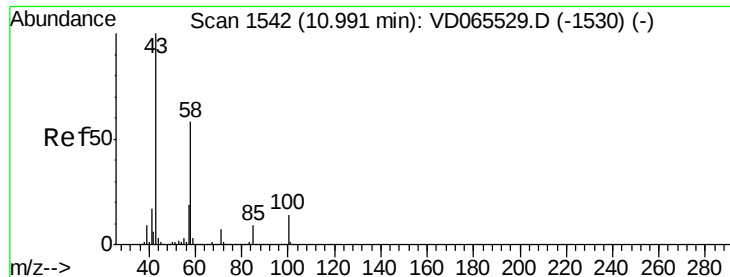
Tot Ion	Ratio	Lower	Upper
97	100		
83	8.7	63.8	95.6#
85	7.9	42.9	64.3#
99	0.0	49.9	74.9#



#56
 Ethyl methacrylate
 Concen: 179.039 ug/l
 RT: 10.59 min Scan# 1474
 Delta R.T. -0.08 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	85.0	51.3	76.9#
39	38.9	25.3	37.9#

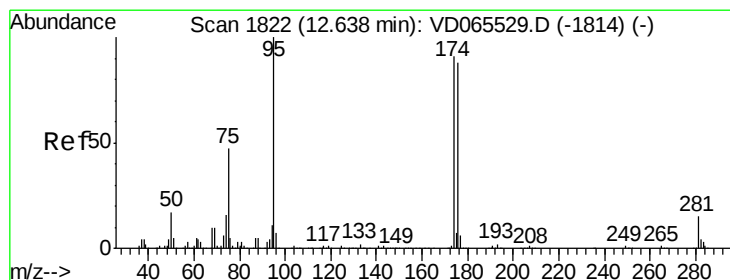
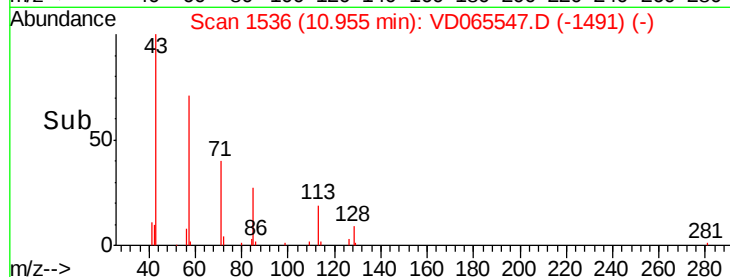
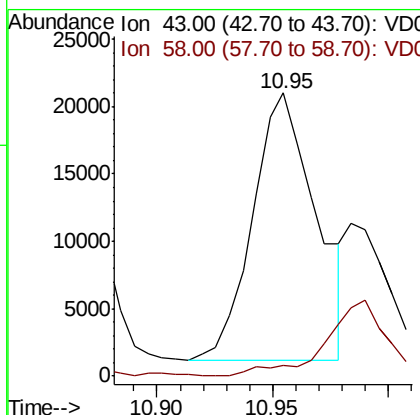
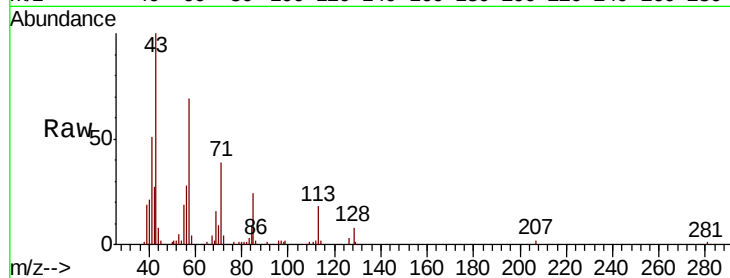




#59
2-Hexanone
Concen: 38.168 ug/l
RT: 10.95 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

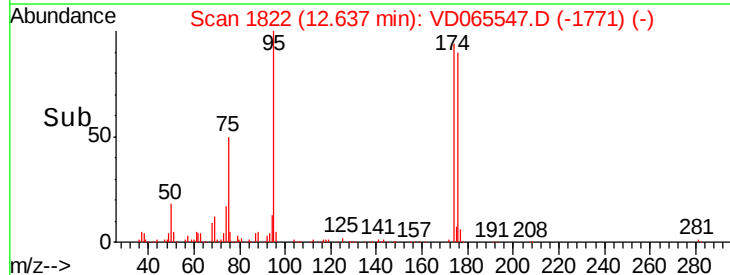
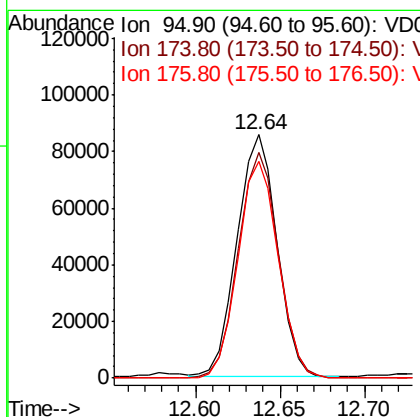
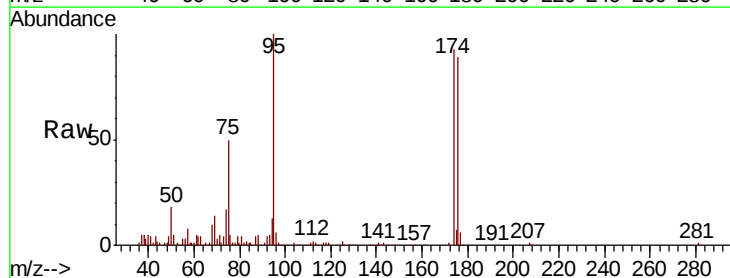
Instrument :
MSVOA_D
ClientSampleId :

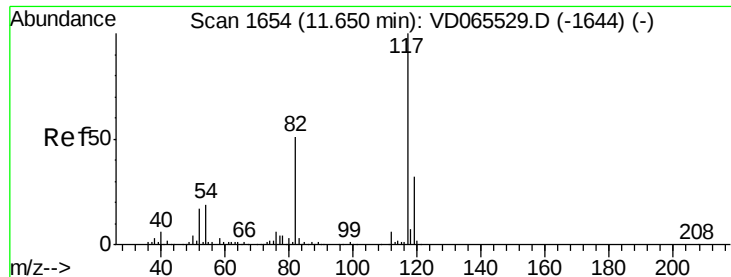
Tot Ion: 43 Resp: 37633
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 42.343 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 95 Resp: 140517
Ion Ratio Lower Upper
95 100
174 94.0 0.0 183.8
176 90.7 0.0 178.2

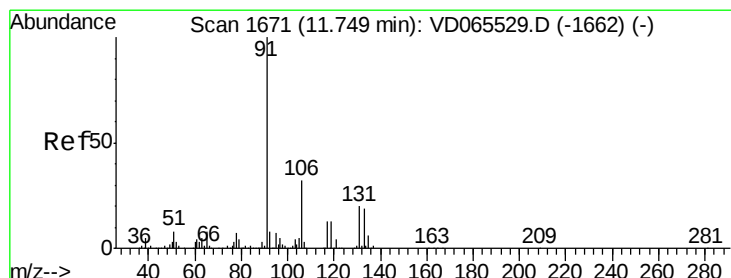
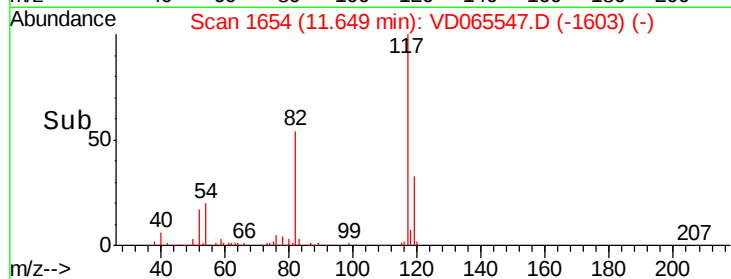
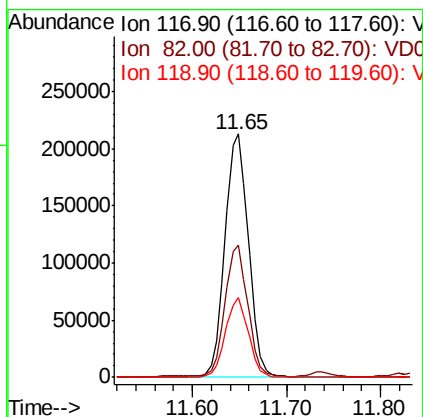
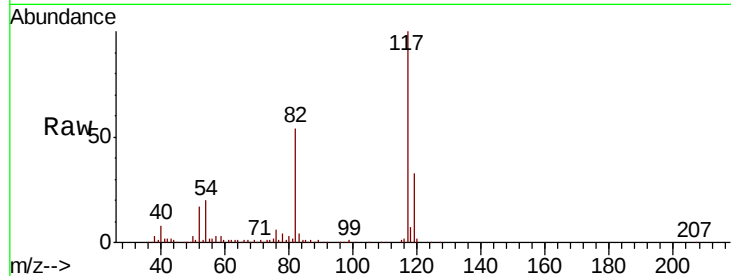




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

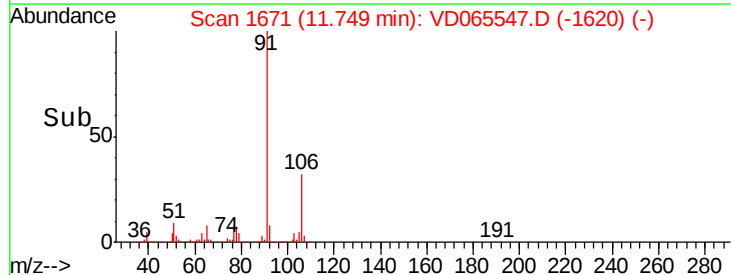
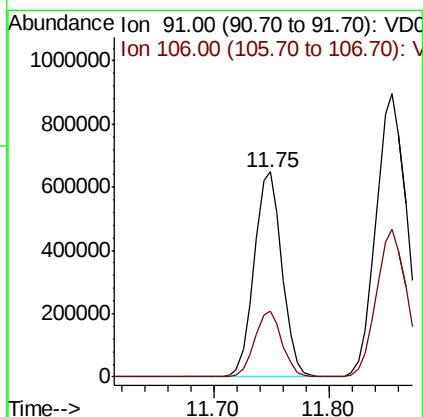
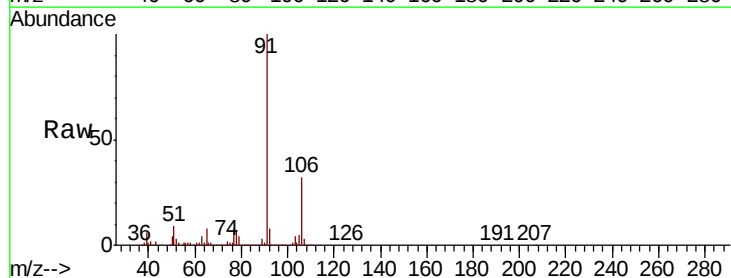
Instrument :
MSVOA_D
ClientSampled :

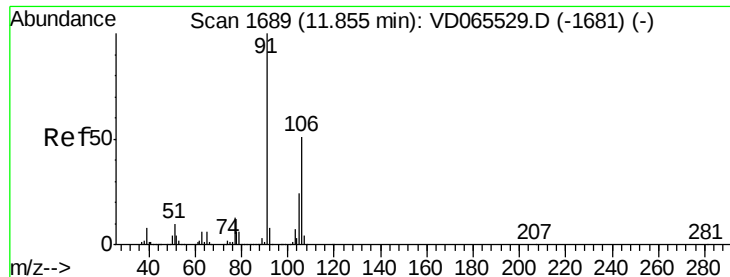
Tot Ion:117 Resp: 370254
Ion Ratio Lower Upper
117 100
82 53.5 41.0 61.6
119 32.7 25.5 38.3



#67
Ethyl Benzene
Concen: 89.236 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion: 91 Resp: 1087954
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

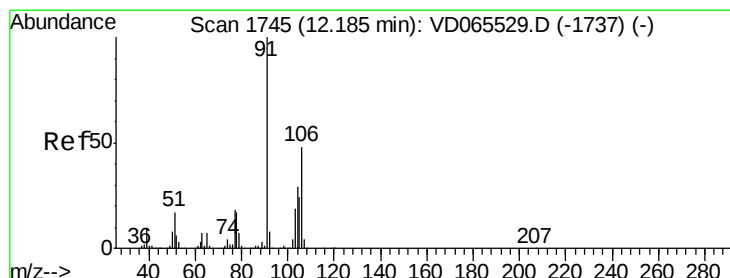
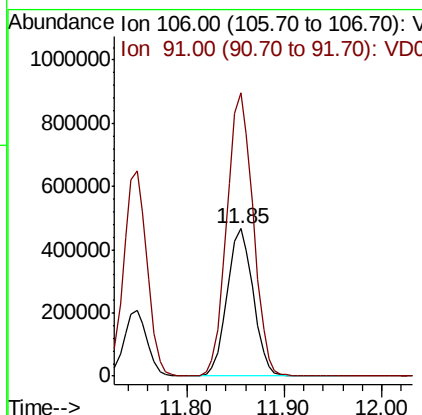
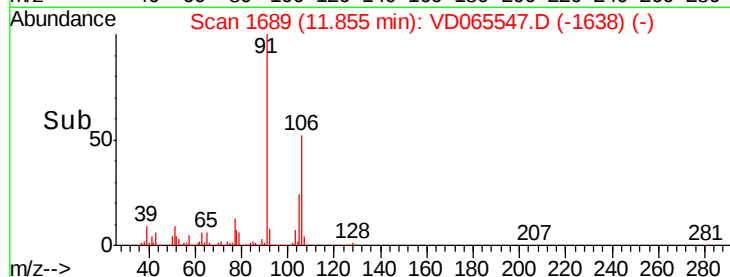
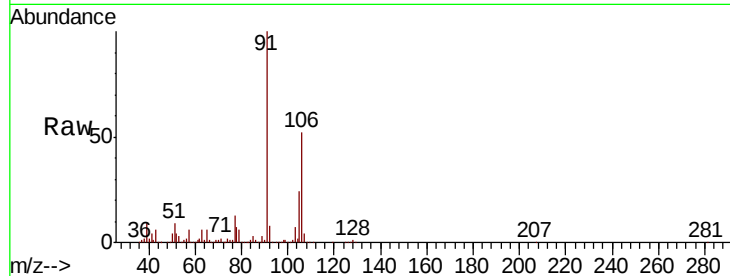




#68
m/p-Xylenes
Concen: 180.621 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

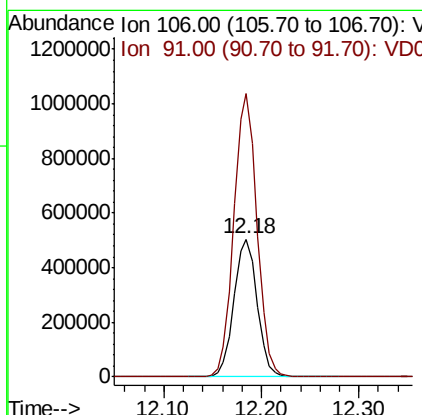
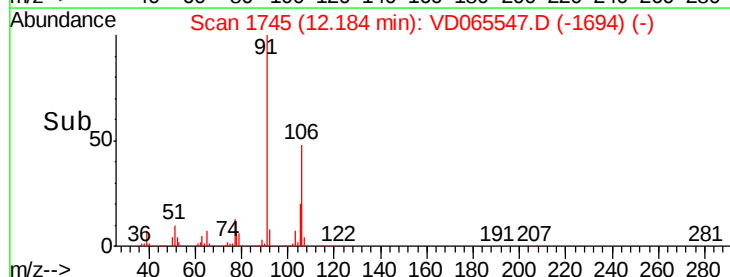
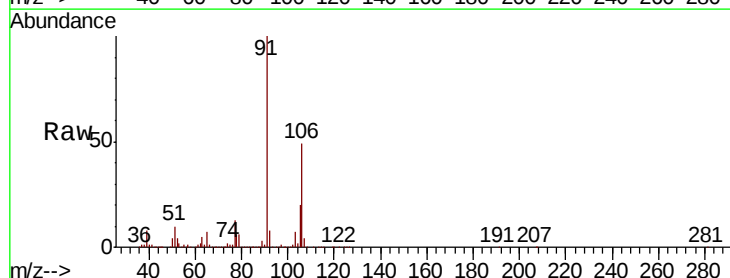
Instrument :
MSVOA_D
ClientSampleId :

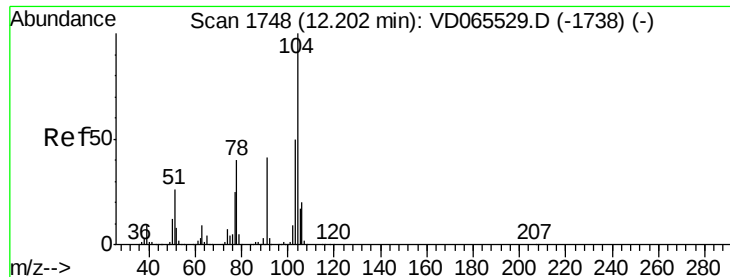
Tot Ion:106 Resp: 864641
Ion Ratio Lower Upper
106 100
91 193.8 155.4 233.0



#69
o-Xylene
Concen: 198.256 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065547.D
Acq: 27 Mar 2020 16:41

Tgt Ion:106 Resp: 831161
Ion Ratio Lower Upper
106 100
91 204.5 102.8 308.4





#70

Stvrene

Concen: 5.863 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. -0.02 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

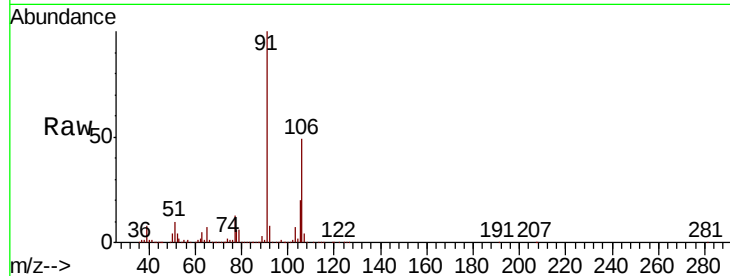
Tot Ion:104 Resp: 43413

Ion Ratio Lower Upper

104 100

78 264.2 36.6 55.0#

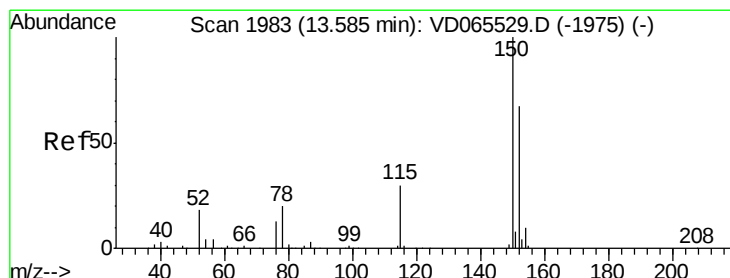
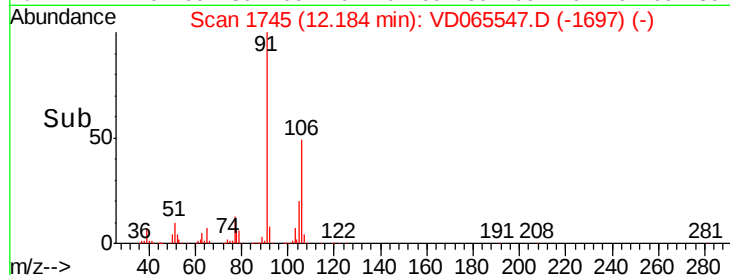
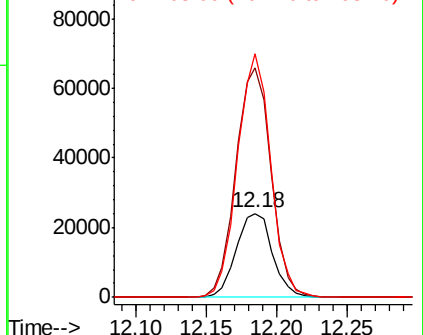
103 264.3 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

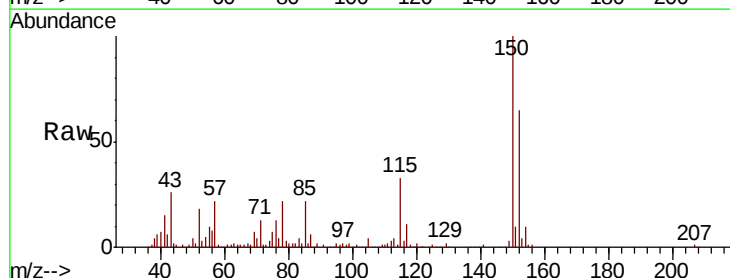
Tgt Ion:152 Resp: 128049

Ion Ratio Lower Upper

152 100

115 60.6 27.2 81.6

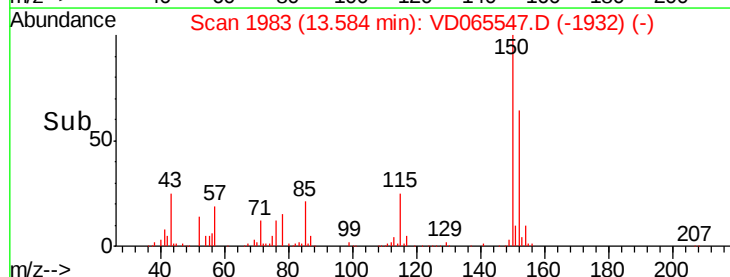
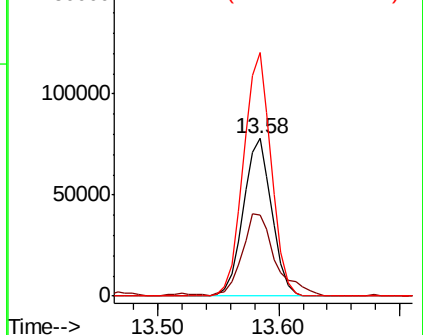
150 150.5 0.0 340.2

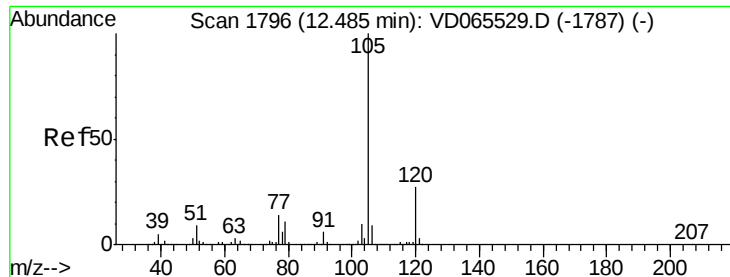


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.162 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

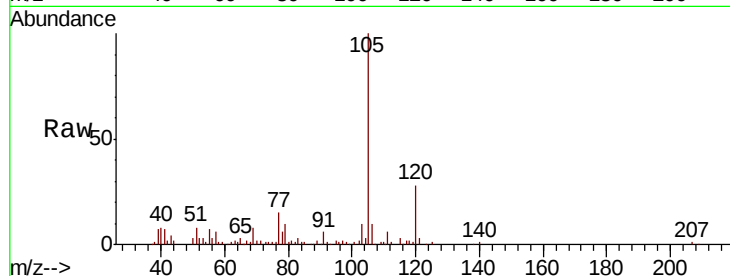
ClientSampleId :

Tot Ion:105 Resp: 87763

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

60000

50000

40000

30000

20000

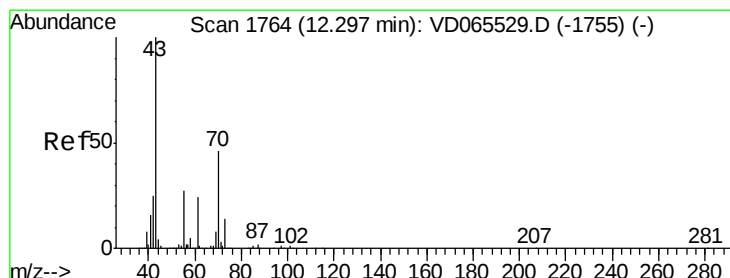
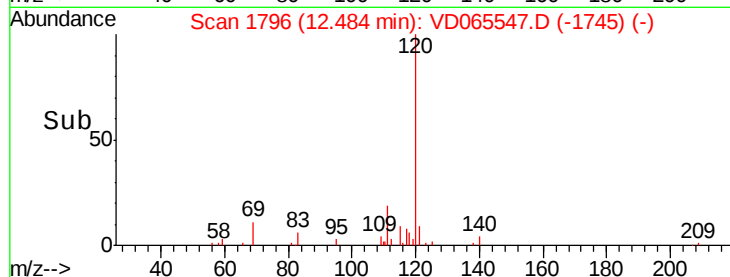
10000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 19.128 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Tgt Ion: 43 Resp: 29681

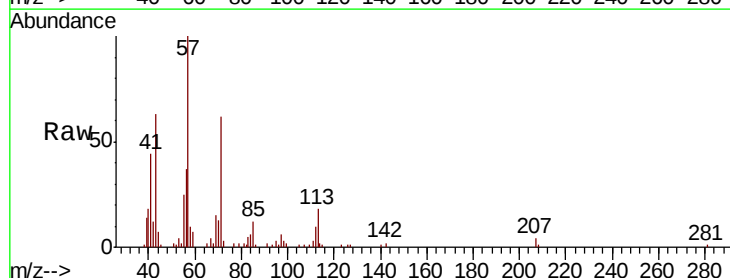
Ion Ratio Lower Upper

43 100

70 18.0 36.2 54.2#

55 13.0 22.2 33.4#

61 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

20000

15000

10000

5000

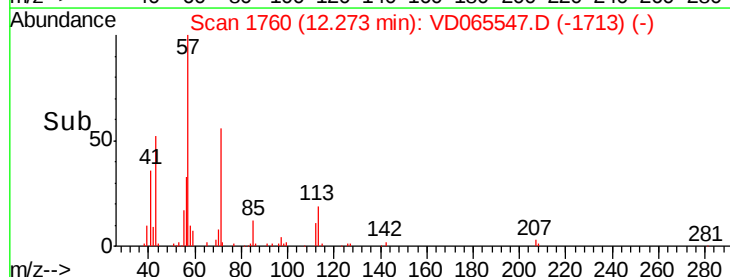
0

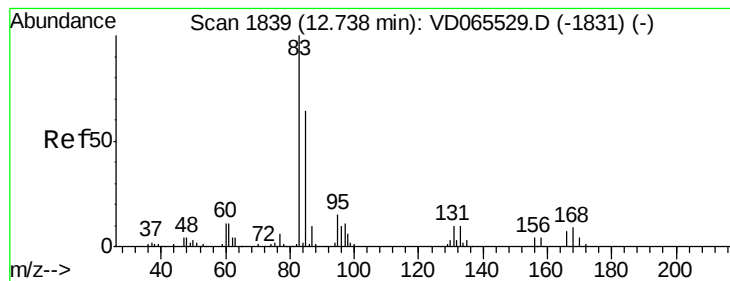
Time-->

12.20

12.25

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 2.493 ug/l

RT: 12.80 min Scan# 1850

Delta R.T. 0.06 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampled :

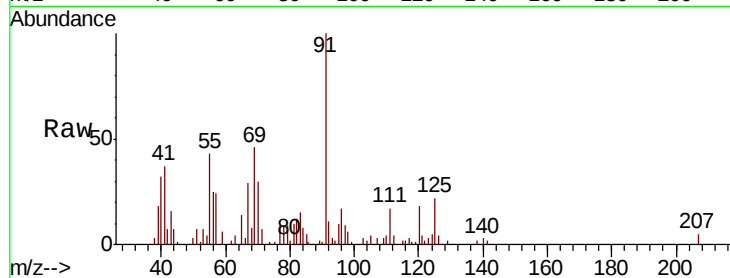
Tot Ion: 83 Resp: 3405

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

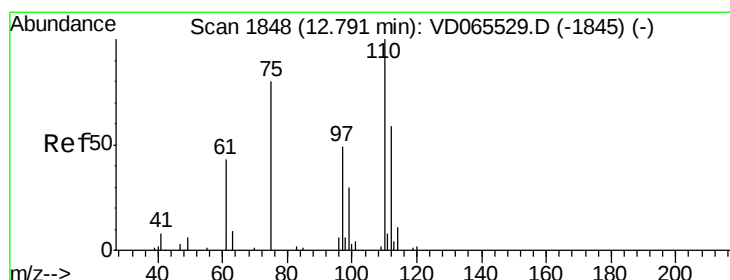
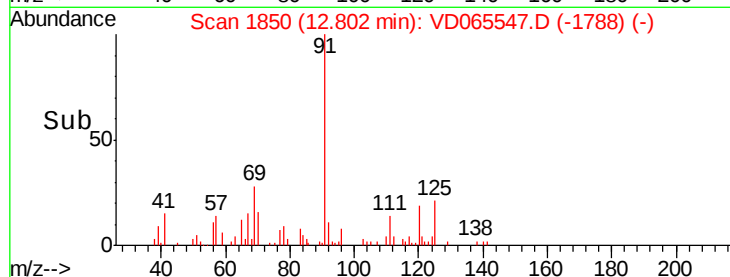
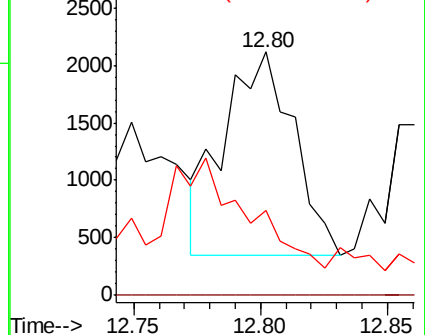
85 0.0 32.6 98.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 4.593 ug/l

RT: 12.89 min Scan# 1865

Delta R.T. 0.10 min

Lab File: VD065547.D

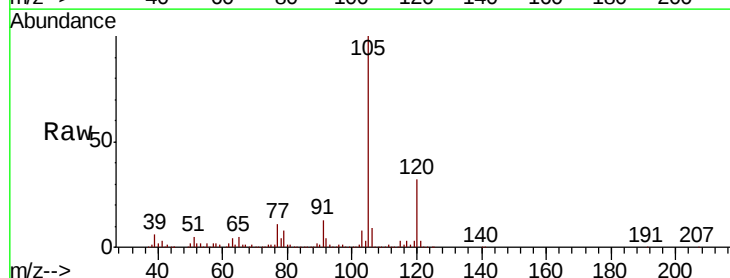
Acq: 27 Mar 2020 16:41

Tgt Ion: 75 Resp: 4522

Ion Ratio Lower Upper

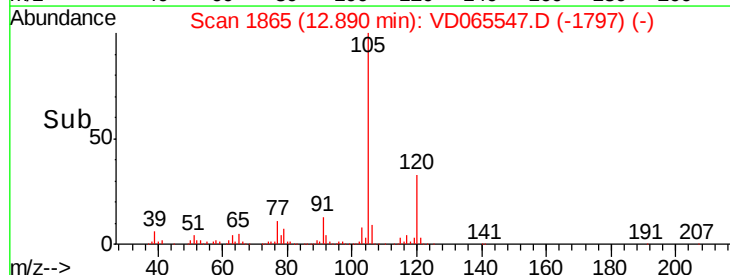
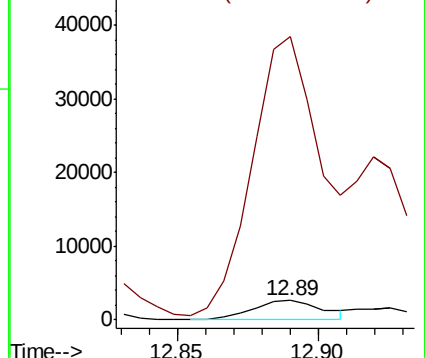
75 100

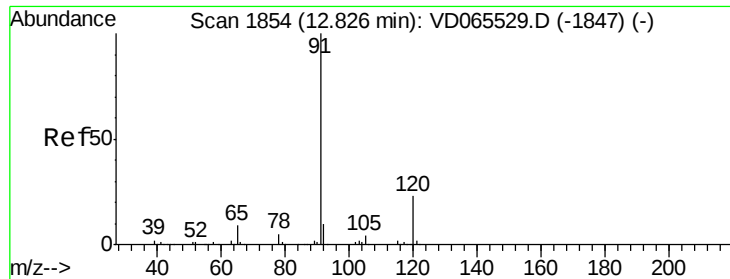
77 1417.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 24.371 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

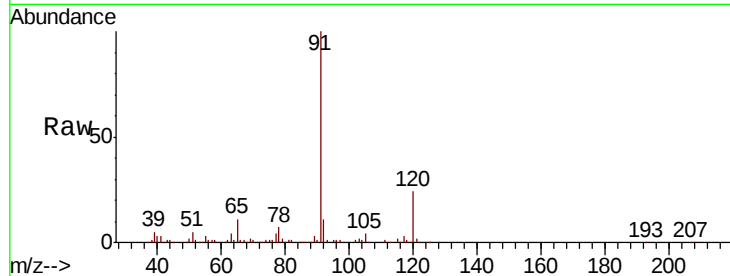
ClientSampleId :

Tot Ion: 91 Resp: 228409

Ion Ratio Lower Upper

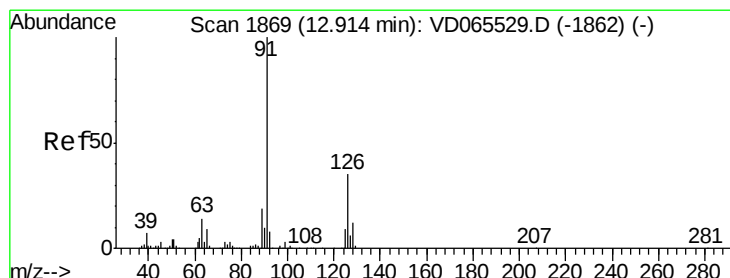
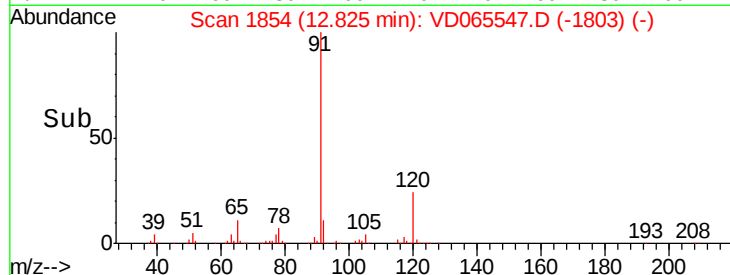
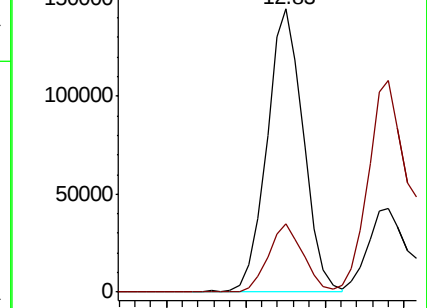
91 100

120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC



#79

2-Chlorotoluene

Concen: 6.128 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065547.D

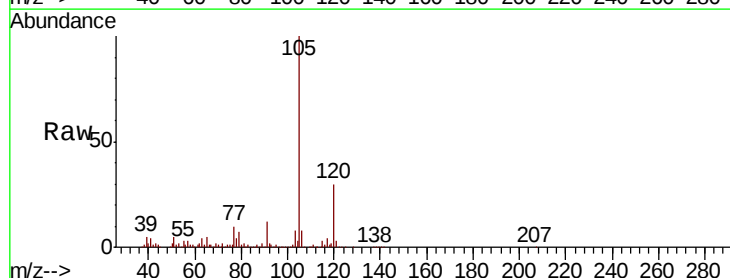
Acq: 27 Mar 2020 16:41

Tgt Ion: 91 Resp: 32763

Ion Ratio Lower Upper

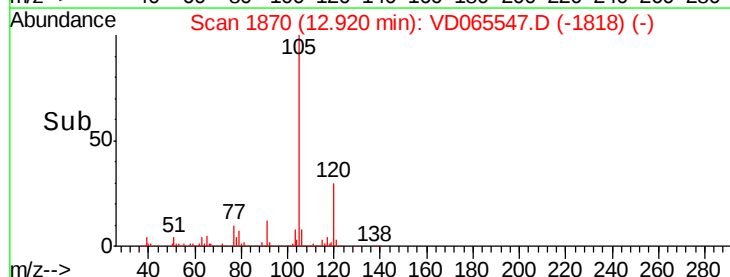
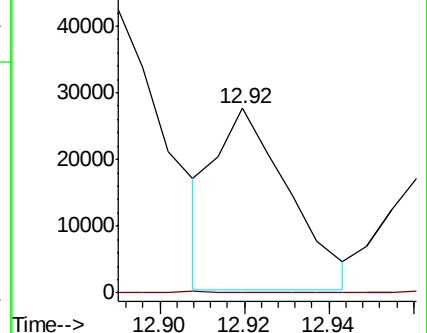
91 100

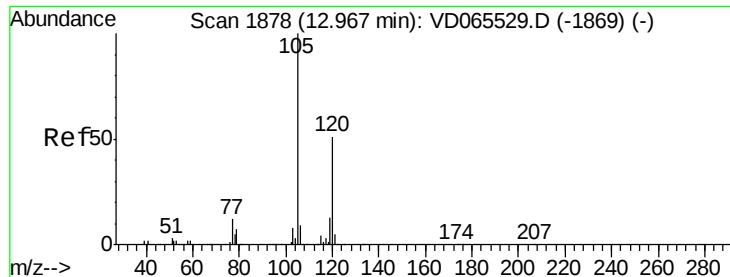
126 0.3 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

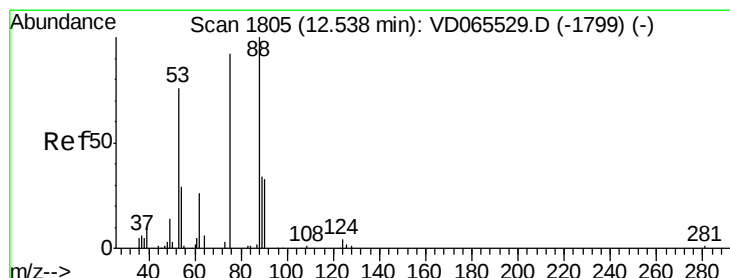
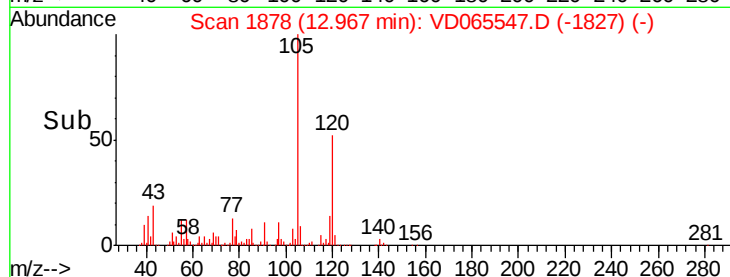
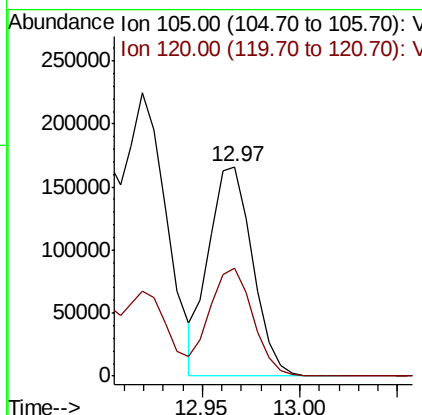
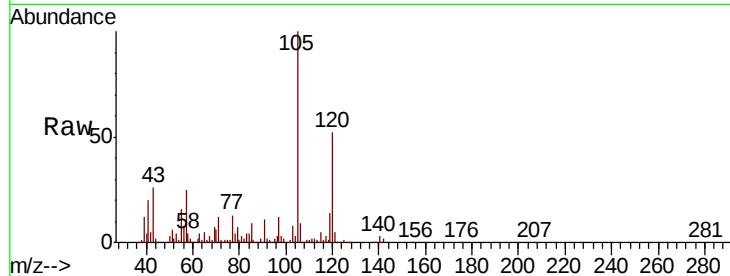




#80
 1,3,5-Trimethylbenzene
 Concen: 39.729 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

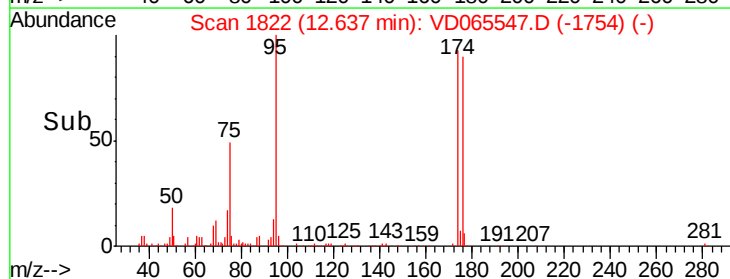
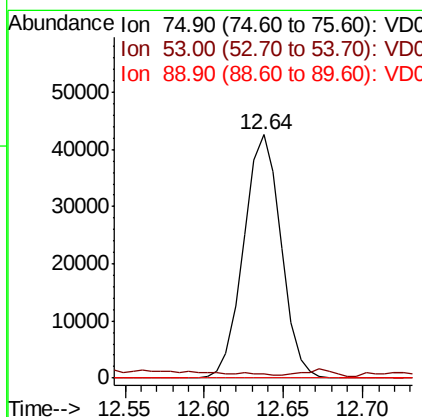
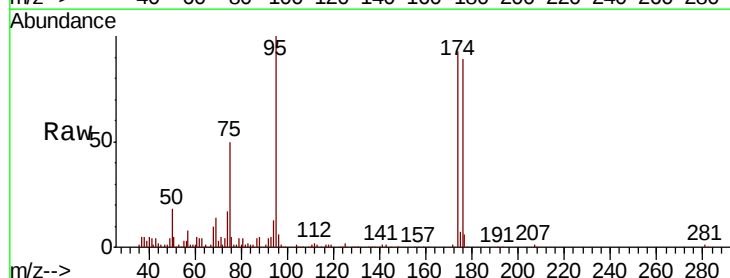
Instrument :
 MSVOA_D
 ClientSampleId :

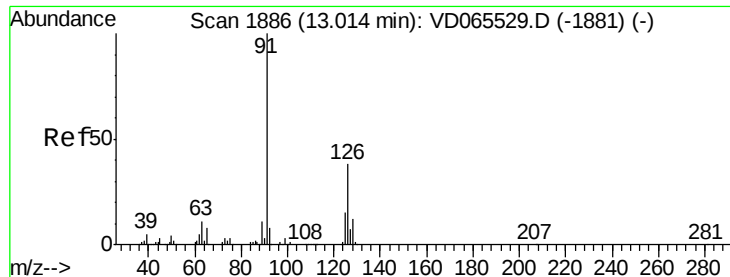
Tot Ion:105 Resp: 258916
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.388 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Tgt Ion: 75 Resp: 69853
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 4.696 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.05 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

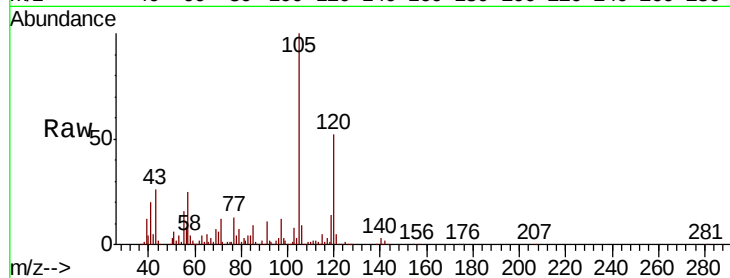
ClientSampled :

Tot Ion: 91 Resp: 26686

Ion Ratio Lower Upper

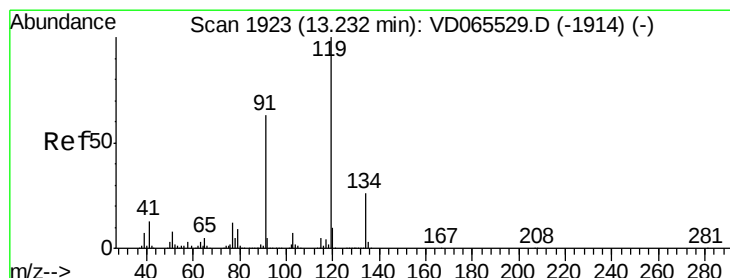
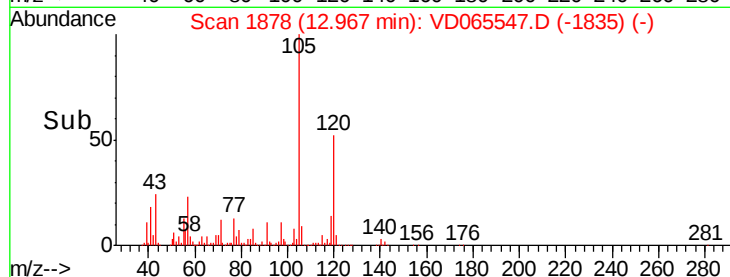
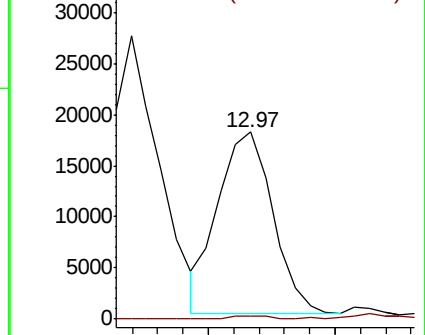
91 100

126 1.2 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 12.240 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.04 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

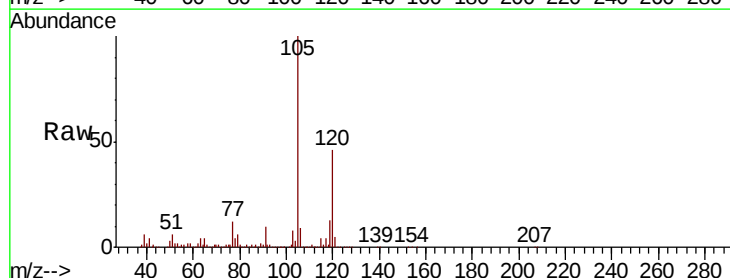
Tgt Ion: 119 Resp: 66807

Ion Ratio Lower Upper

119 100

91 82.9 31.4 94.0

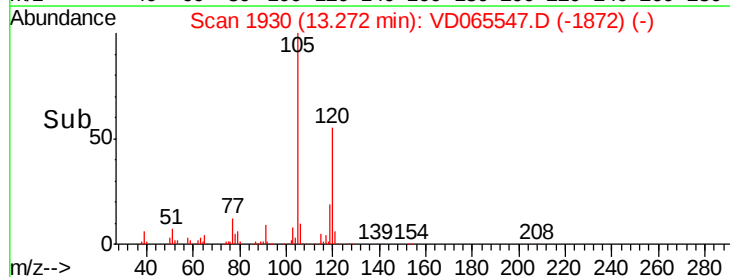
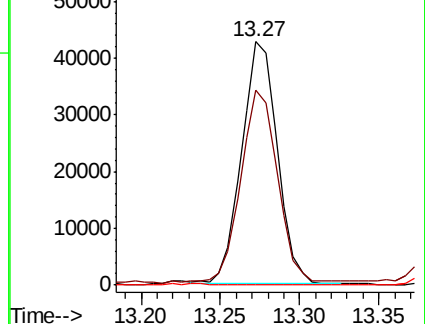
134 0.0 13.9 41.6#

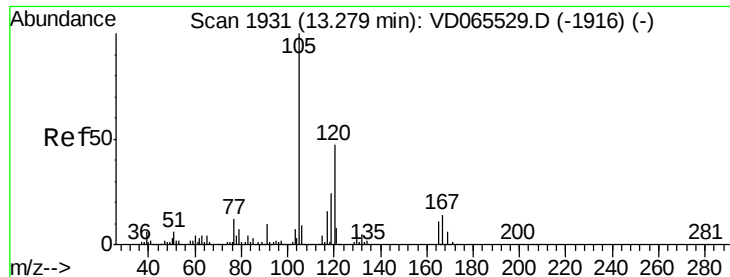


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

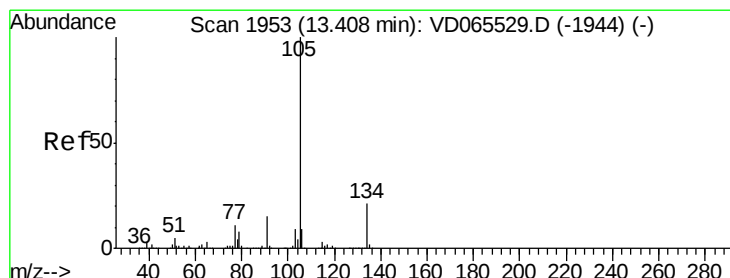
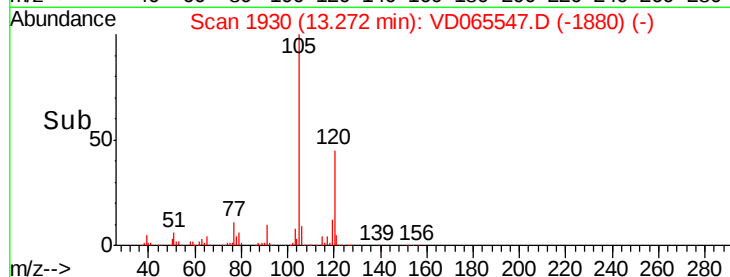
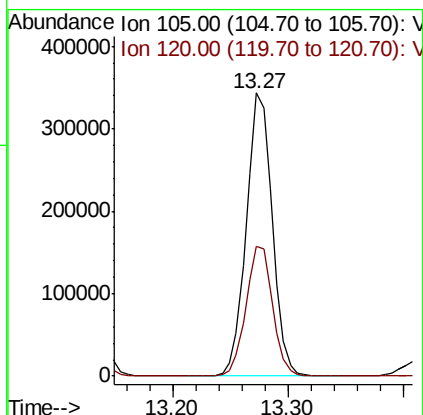
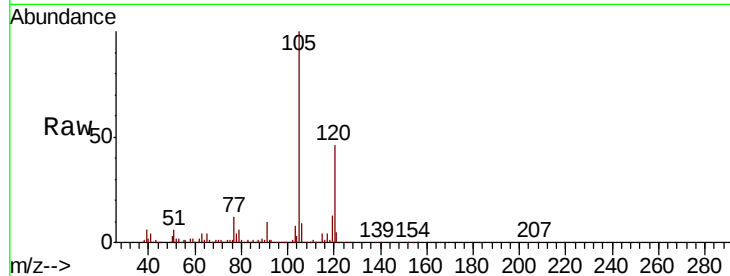




#84
 1,2,4-Trimethylbenzene
 Concen: 82.437 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

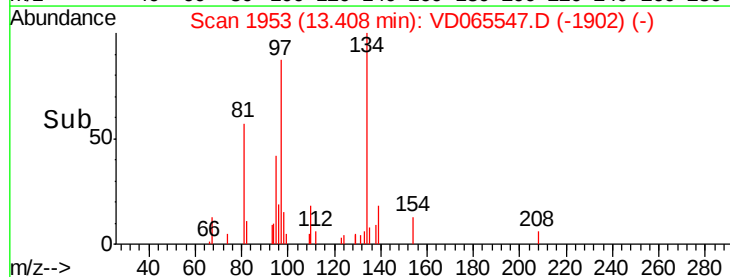
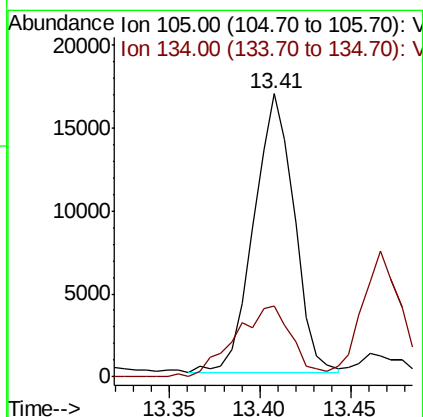
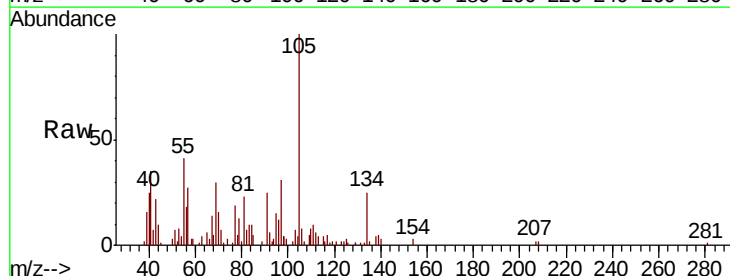
Instrument :
 MSVOA_D
 ClientSampleId :

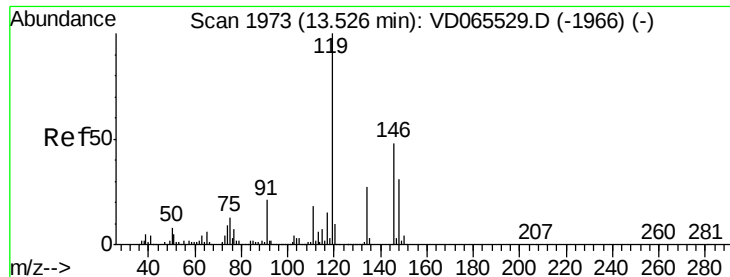
Tot Ion:105 Resp: 537099
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 3.339 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Tgt Ion:105 Resp: 26079
 Ion Ratio Lower Upper
 105 100
 134 36.0 10.6 31.8#

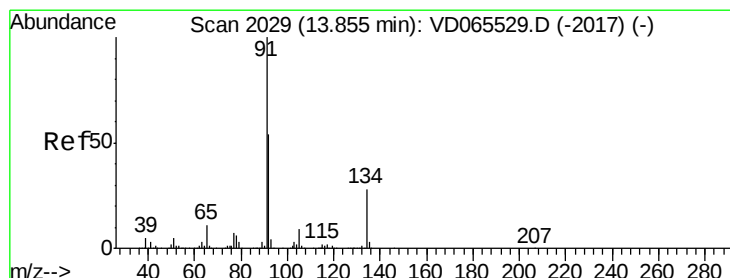
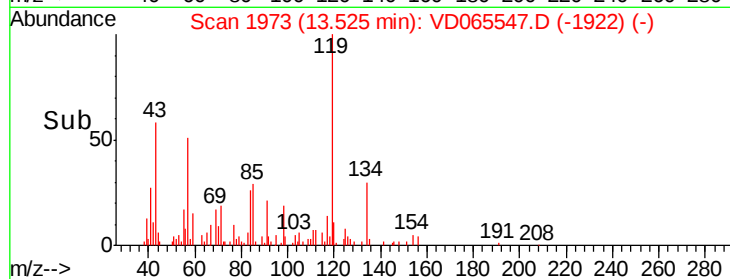
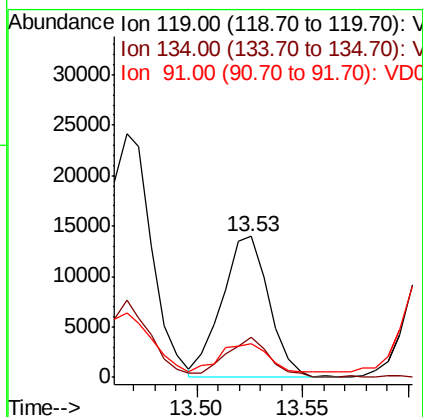
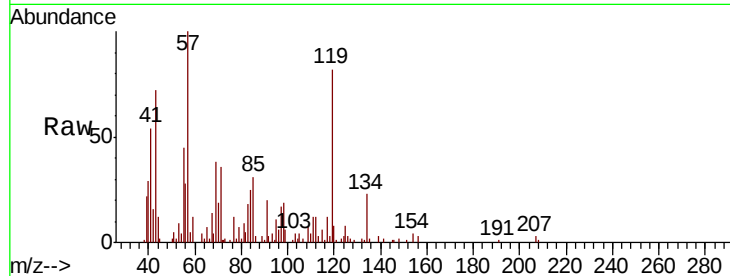




#86
 p-Isopropyltoluene
 Concen: 3.002 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

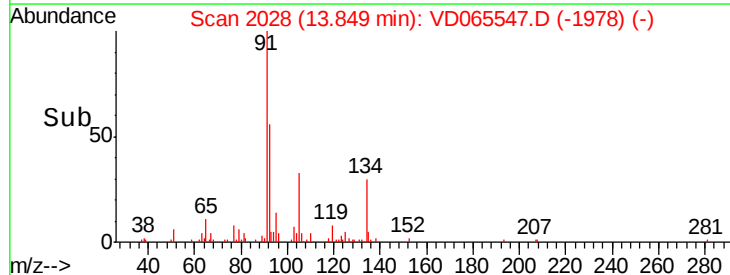
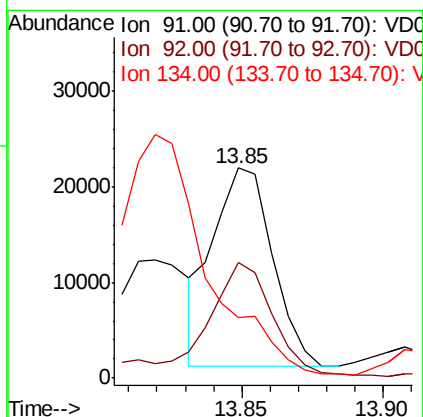
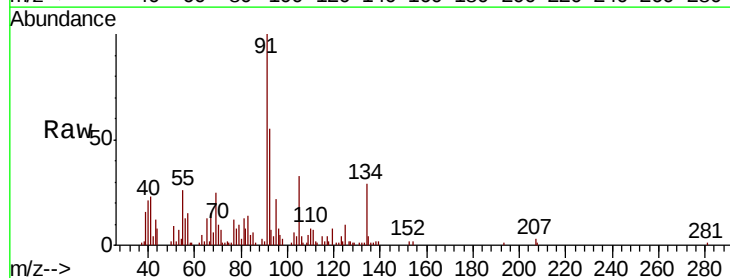
Instrument :
 MSVOA_D
 ClientSampleID :

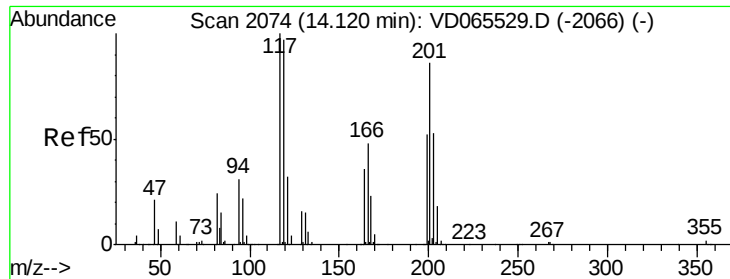
Tot Ion:119 Resp: 21608
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.5
 91 20.8 10.8 32.3



#89
 n-Butylbenzene
 Concen: 4.662 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Tgt Ion: 91 Resp: 30476
 Ion Ratio Lower Upper
 91 100
 92 65.6 26.8 80.4
 134 0.0 13.7 41.0#





#90

Hexachloroethane

Concen: 7.804 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

Instrument :

MSVOA_D

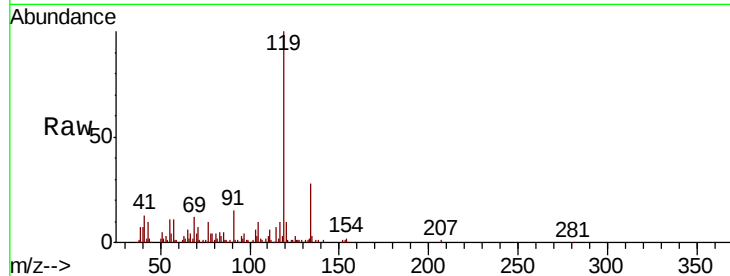
ClientSampled :

Tot Ion:117 Resp: 11779

Ion Ratio Lower Upper

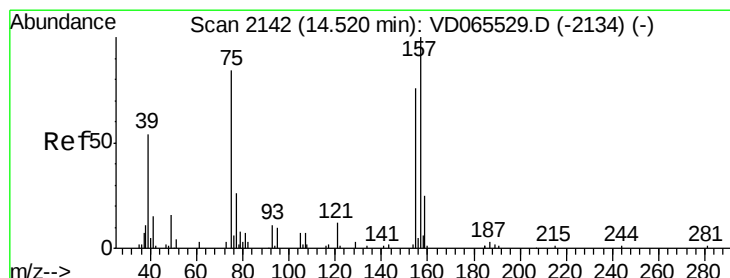
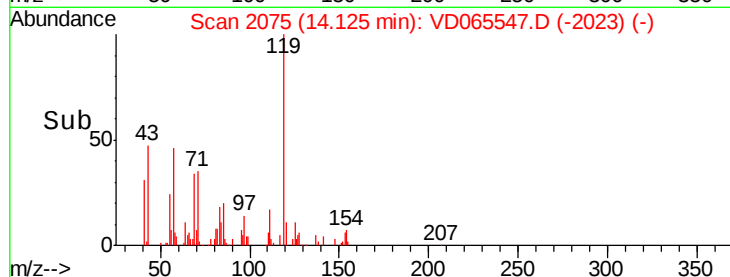
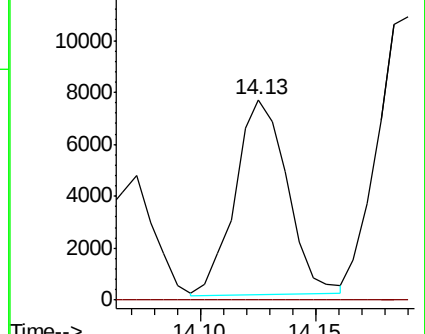
117 100

201 0.0 43.9 131.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.925 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VD065547.D

Acq: 27 Mar 2020 16:41

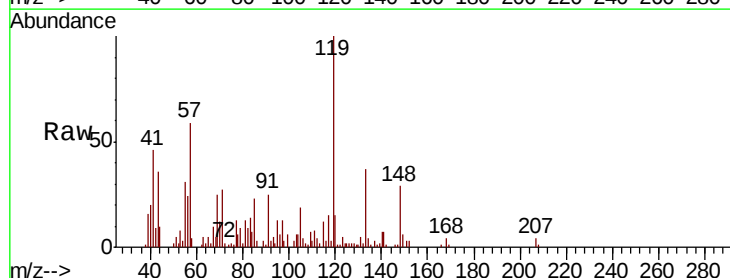
Tgt Ion: 75 Resp: 396

Ion Ratio Lower Upper

75 100

155 22.5 46.2 138.6#

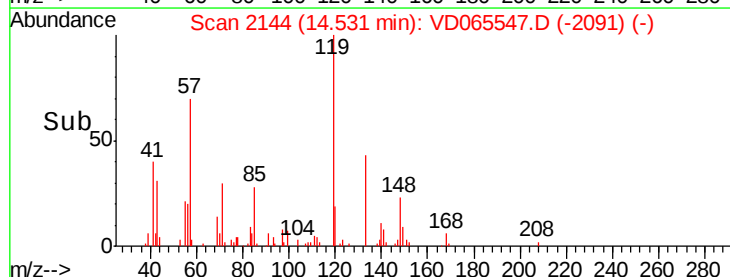
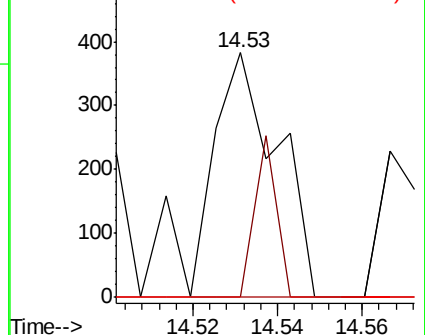
157 0.0 57.9 173.7#

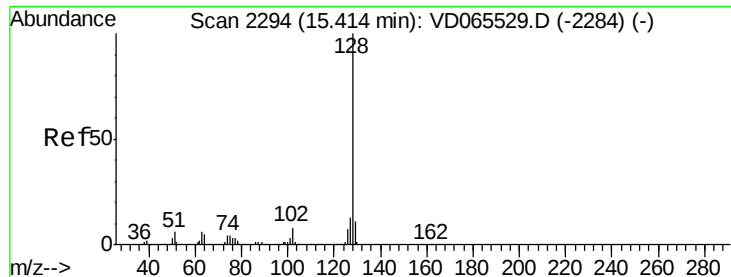


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

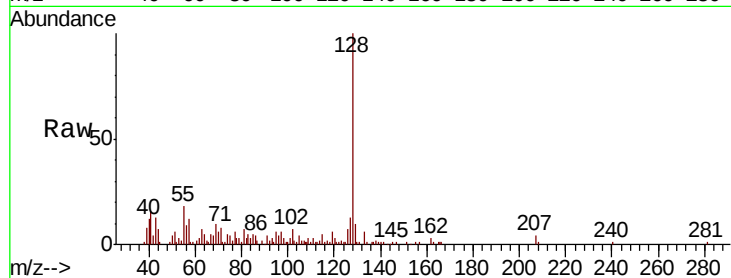




#95
 Naphthalene
 Concen: 20.314 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VD065547.D
 Acq: 27 Mar 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.9	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

