

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041520\
 Data File : VD065639.D
 Acq On : 15 Apr 2020 17:51
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Quant Time: Apr 29 13:12:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 25 08:07:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	246087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166893	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99304	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.92	113	102776	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.34	98	381805	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	125443	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	108925	53.15	ug/l	99
3) Chloromethane	2.21	50	111055	49.66	ug/l	99
4) Vinyl Chloride	2.35	62	119577	49.22	ug/l	100
5) Bromomethane	2.77	94	68603	51.99	ug/l	96
6) Chloroethane	2.93	64	70804	49.02	ug/l	98
7) Trichlorofluoromethane	3.27	101	169524	48.94	ug/l	99
8) Diethyl Ether	3.71	74	35215	49.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78262	49.56	ug/l	99
10) Methyl Iodide	4.30	142	91383	37.05	ug/l	98
11) Tert butyl alcohol	5.25	59	26599	243.74	ug/l	99
12) 1,1-Dichloroethene	4.07	96	69978	49.30	ug/l	91
13) Acrolein	3.93	56	23375	252.30	ug/l	98
14) Allyl chloride	4.71	41	169422	59.78	ug/l	91
15) Acrylonitrile	5.43	53	118550	276.70	ug/l	99
16) Acetone	4.16	43	65999	220.44	ug/l	99
17) Carbon Disulfide	4.40	76	288359	46.59	ug/l	99
18) Methyl Acetate	4.72	43	60679	55.08	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	228284	56.80	ug/l	99
20) Methylene Chloride	4.96	84	122304	62.24	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	124825	54.43	ug/l	93
22) Diisopropyl ether	6.37	45	353073	53.90	ug/l	97
23) Vinyl Acetate	6.31	43	961645	250.23	ug/l	100
24) 1,1-Dichloroethane	6.27	63	209953	50.73	ug/l	98
25) 2-Butanone	7.22	43	138766	248.41	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173433	48.08	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131022	51.50	ug/l	98
28) Bromochloromethane	7.55	49	83837	50.72	ug/l	98
29) Tetrahydrofuran	7.57	42	93500	263.79	ug/l	99
30) Chloroform	7.71	83	214133	50.55	ug/l	100
31) Cyclohexane	7.98	56	191446	48.56	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	191454	50.27	ug/l	99
36) 1,1-Dichloropropene	8.11	75	170027	51.98	ug/l	99
37) Ethyl Acetate	7.30	43	70981	54.42	ug/l	98
38) Carbon Tetrachloride	8.10	117	179248	51.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199789	52.49	ug/l	97
40) Benzene	8.36	78	488639	51.96	ug/l	98
41) Methacrylonitrile	7.57	41	93637	144.94	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	136442	52.94	ug/l	99
43) Isopropyl Acetate	8.46	43	121687	51.80	ug/l	97
44) Trichloroethene	9.11	130	133941	50.88	ug/l	98
45) 1,2-Dichloropropane	9.39	63	120360	52.15	ug/l	99
46) Dibromomethane	9.48	93	63195	52.95	ug/l	99
47) Bromodichloromethane	9.67	83	167600	52.73	ug/l	98
48) Methyl methacrylate	9.46	41	59651	47.56	ug/l	93
49) 1,4-Dioxane	9.47	88	14200	978.33	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	325701	248.41	ug/l	100
52) Toluene	10.41	92	310957	53.64	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	153935	52.75	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	187383	53.05	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	87876	52.05	ug/l	99
56) Ethyl methacrylate	10.67	69	102446	48.58	ug/l	99
57) 1,3-Dichloropropane	10.95	76	152022	52.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	241823	239.04	ug/l	99
59) 2-Hexanone	10.99	43	219971	244.43	ug/l	98
60) Dibromochloromethane	11.14	129	117436	52.82	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84891	52.26	ug/l	99
64) Tetrachloroethene	10.88	164	117200	50.76	ug/l	98
65) Chlorobenzene	11.67	112	331374	52.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	124604	51.15	ug/l	99
67) Ethyl Benzene	11.75	91	576931	52.98	ug/l	97
68) m/p-Xylenes	11.86	106	456567	108.53	ug/l	99
69) o-Xylene	12.18	106	200298	54.27	ug/l	99
70) Styrene	12.20	104	365158	55.89	ug/l	100
71) Bromoform	12.37	173	71107	51.96	ug/l #	99
73) Isopropylbenzene	12.48	105	544478	54.09	ug/l	100
74) N-amyl acetate	12.30	43	113639	48.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	93524	51.17	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	120621	89.89	ug/l #	100
77) Bromobenzene	12.77	156	138580	51.84	ug/l	98
78) n-propylbenzene	12.83	91	651661	53.52	ug/l	99
79) 2-Chlorotoluene	12.91	91	369955	53.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455722	53.65	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	31987	52.24	ug/l	98
82) 4-Chlorotoluene	13.01	91	388608	52.22	ug/l	99
83) tert-Butylbenzene	13.23	119	381327	53.54	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	463665	54.75	ug/l	100
85) sec-Butylbenzene	13.41	105	544292	53.42	ug/l	100
86) p-Isopropyltoluene	13.53	119	513573	53.70	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	270240	51.64	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	265427	50.95	ug/l	98
89) n-Butylbenzene	13.86	91	463798	53.44	ug/l	100
90) Hexachloroethane	14.12	117	100905	50.31	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	233786	52.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13926	50.38	ug/l	93

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QLast Update : Sat Apr 25 08:07:14 2020
Response via : Initial Calibration

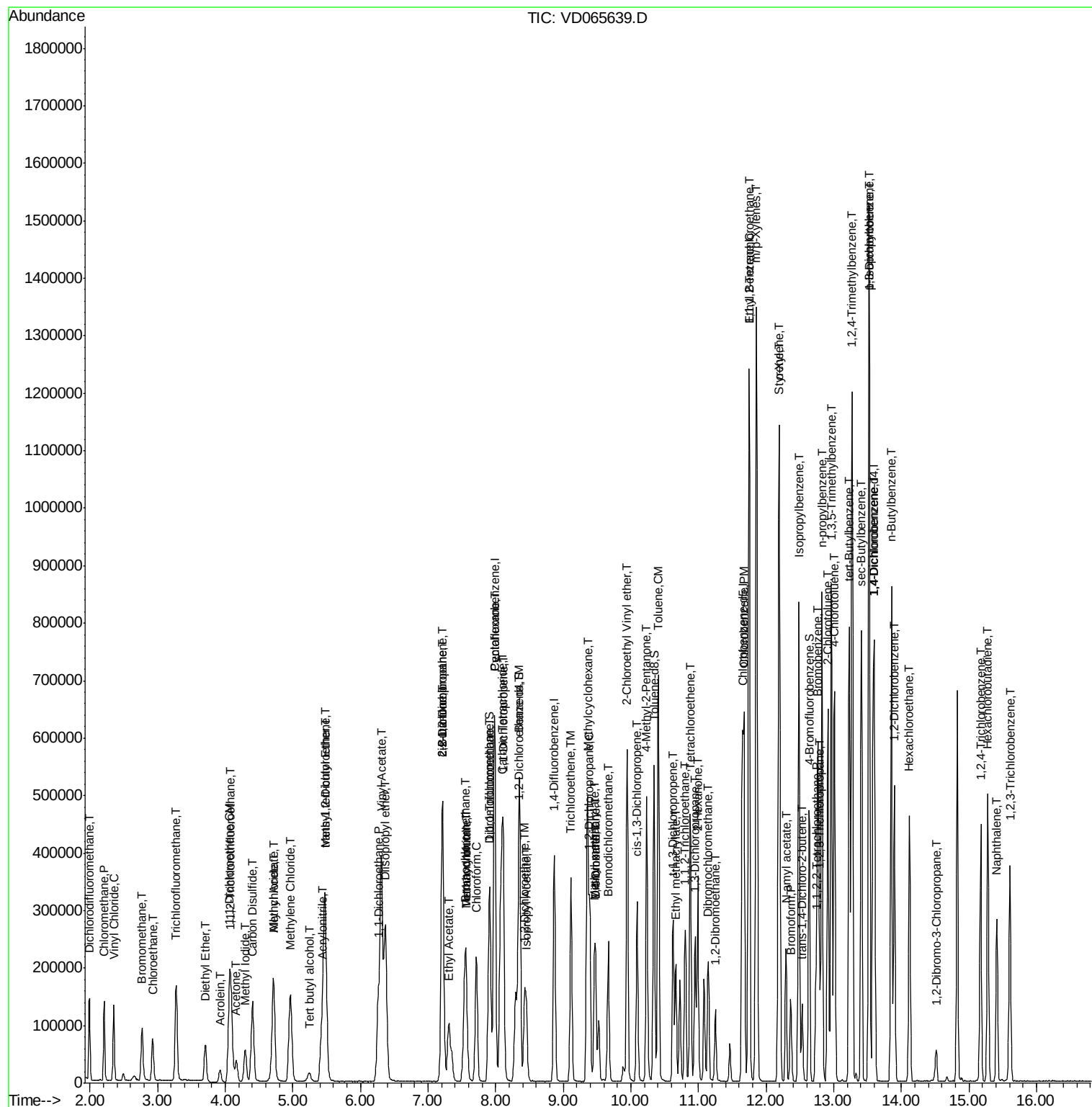
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	162410	52.62	ug/l	98
94) Hexachlorobutadiene	15.28	225	108397	51.22	ug/l	99
95) Naphthalene	15.41	128	248538	47.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	143291	52.62	ug/l	99

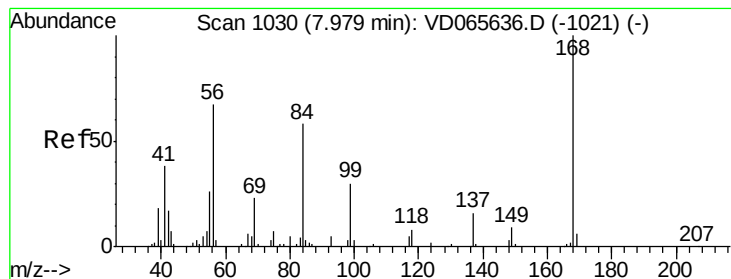
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

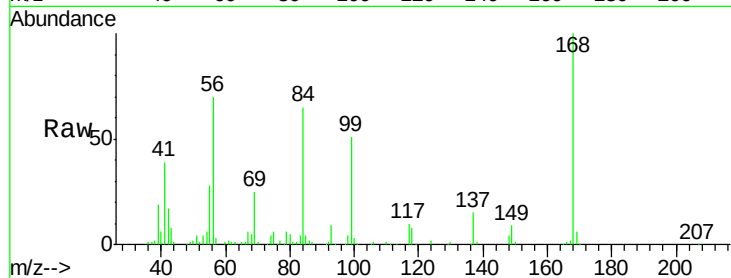
ICVVD041520

Tgt Ion:168 Resp: 246087

Ion Ratio Lower Upper

168 100

99 51.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

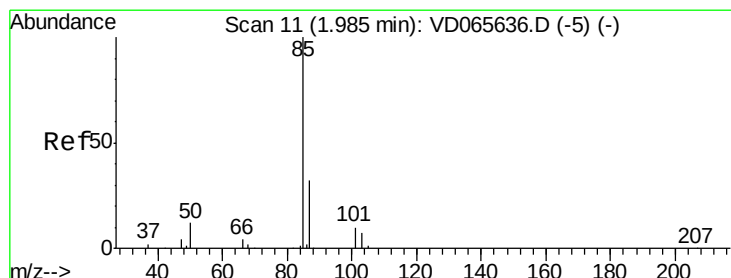
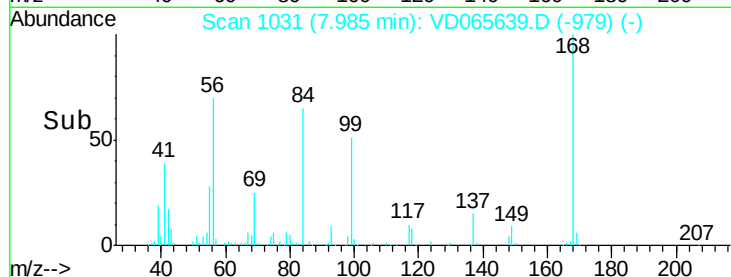
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.15 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065639.D

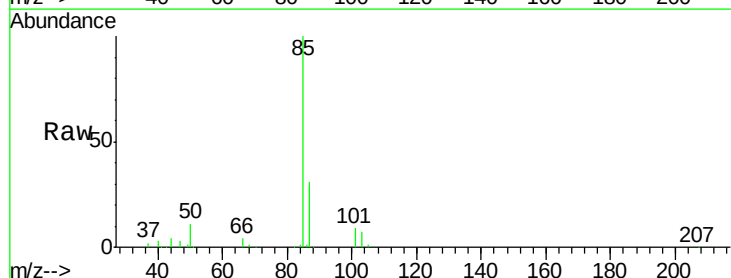
Acq: 15 Apr 2020 17:51

Tgt Ion: 85 Resp: 108925

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

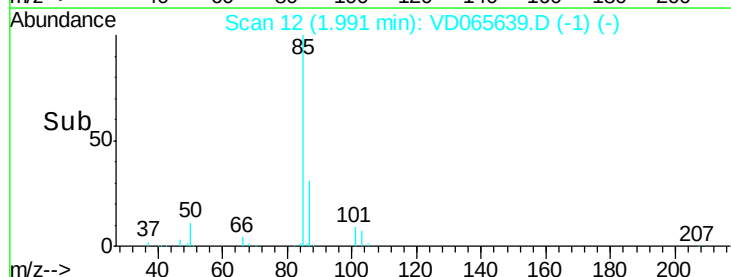
40000

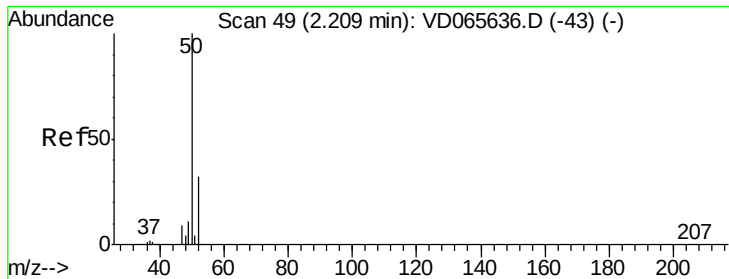
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 49.66 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

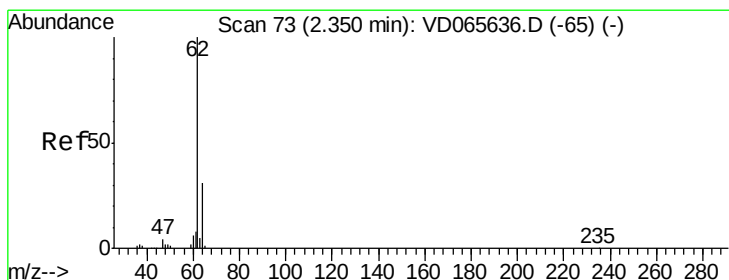
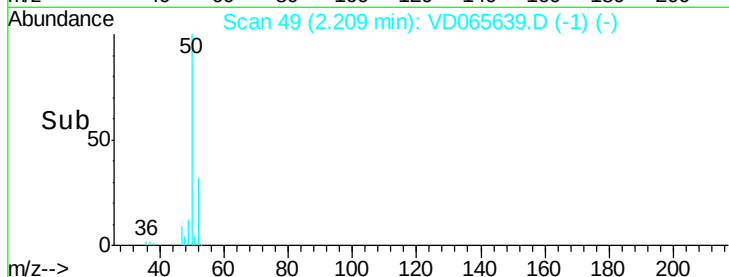
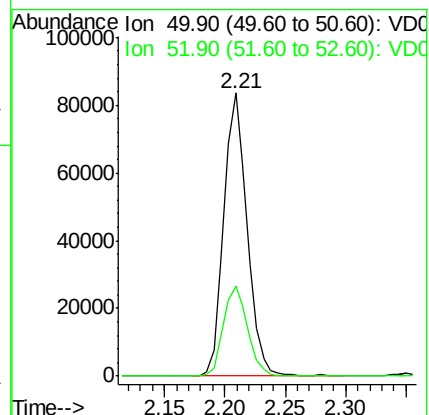
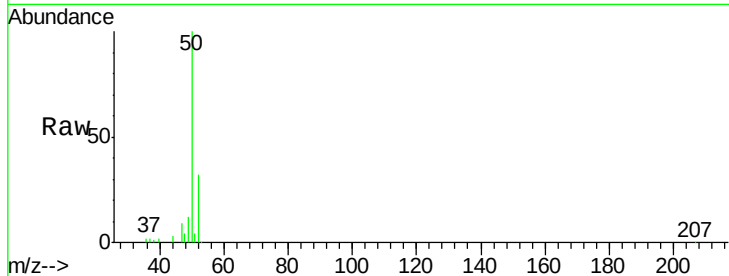
ICVVD041520

Tgt Ion: 50 Resp: 111055

Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5



#4

Vinyl Chloride

Concen: 49.22 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065639.D

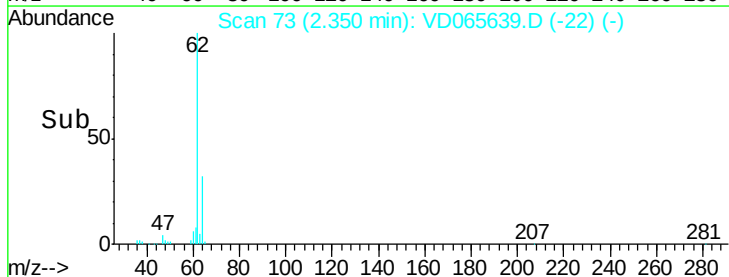
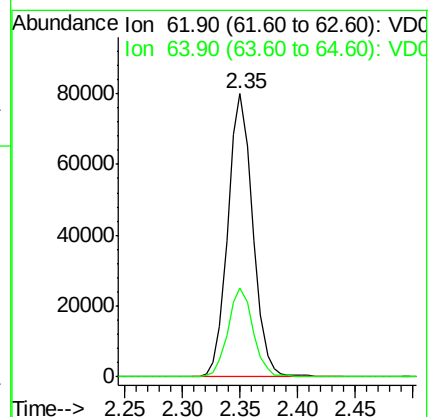
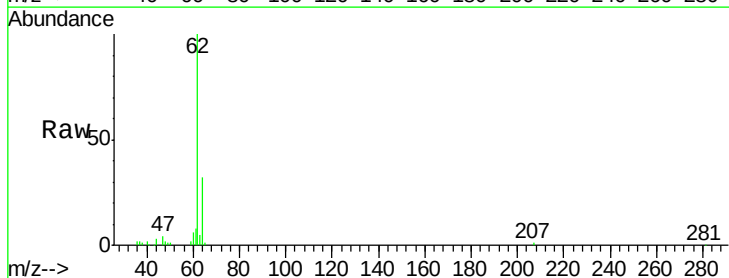
Acq: 15 Apr 2020 17:51

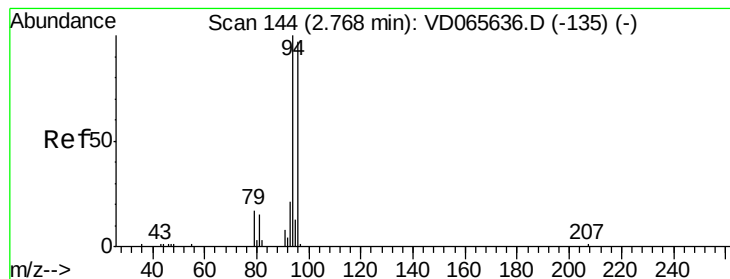
Tgt Ion: 62 Resp: 119577

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 51.99 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

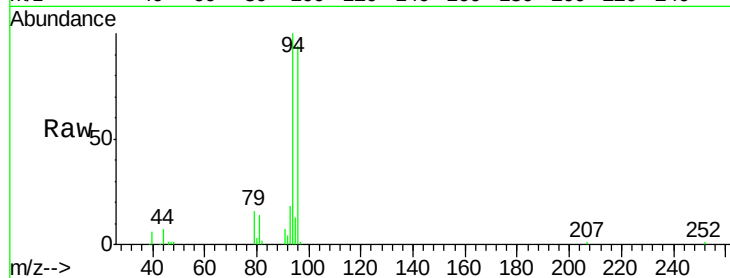
ICVVD041520

Tgt Ion: 94 Resp: 68603

Ion Ratio Lower Upper

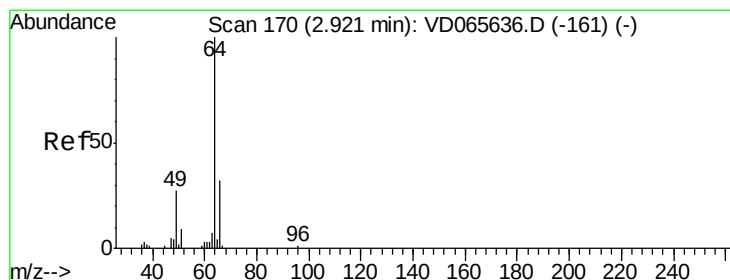
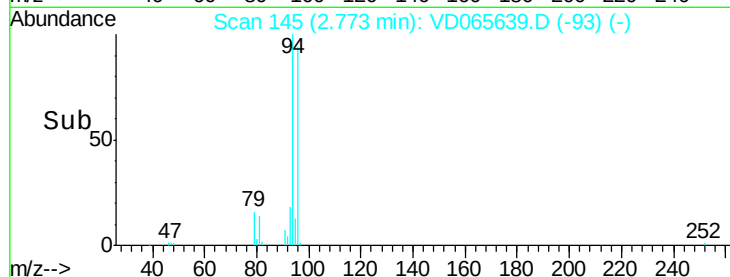
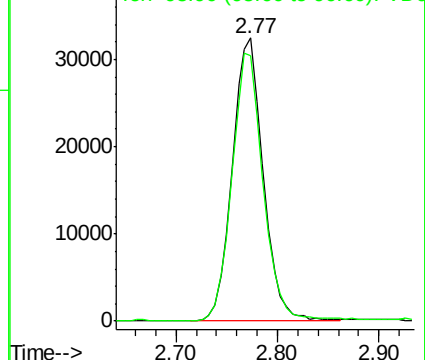
94 100

96 93.6 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.02 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065639.D

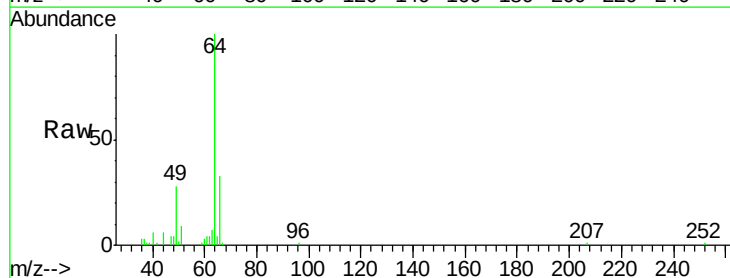
Acq: 15 Apr 2020 17:51

Tgt Ion: 64 Resp: 70804

Ion Ratio Lower Upper

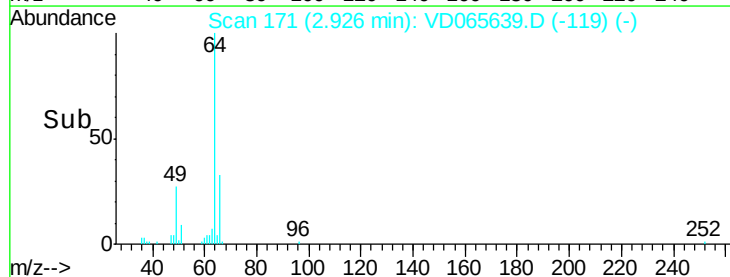
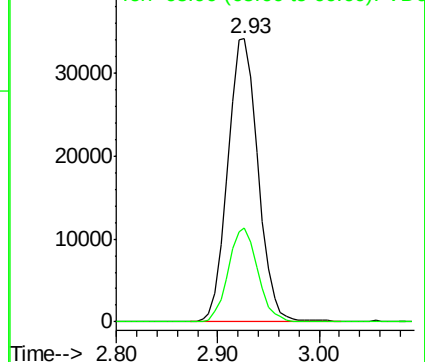
64 100

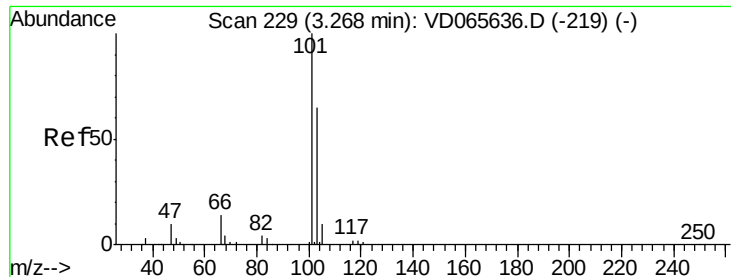
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



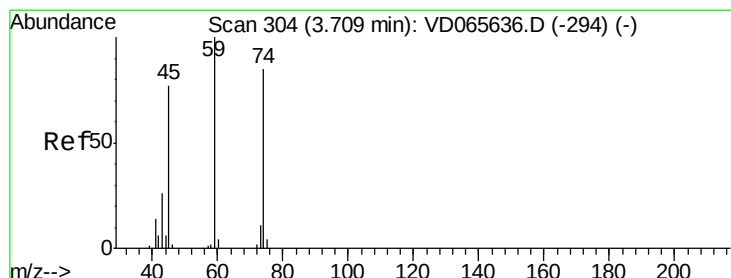
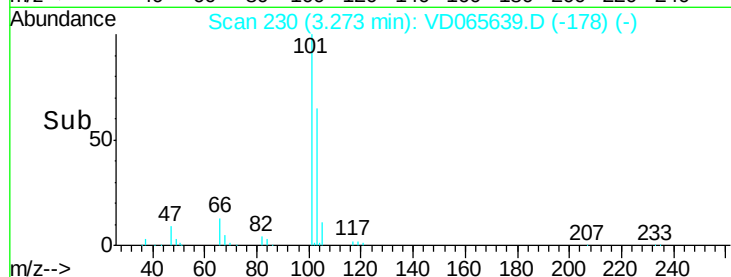
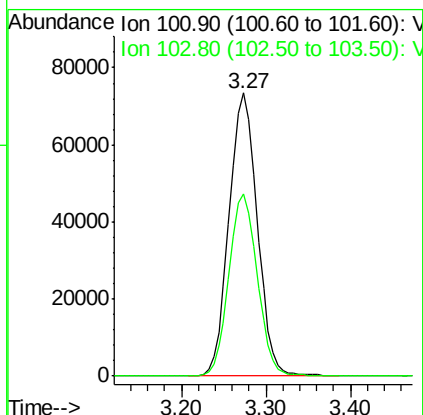
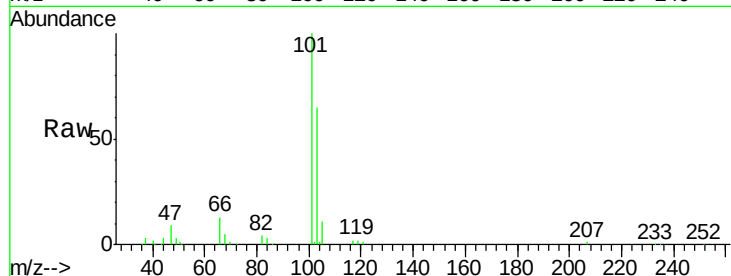


#7

Trichlorofluoromethane
 Concen: 48.94 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

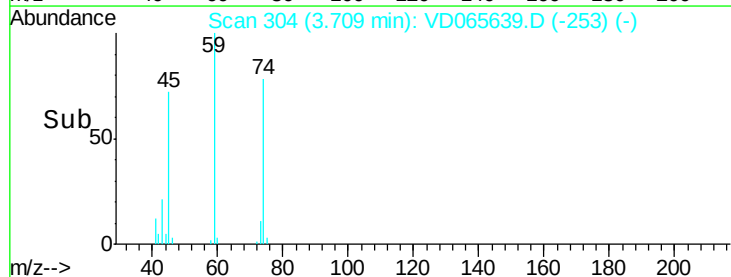
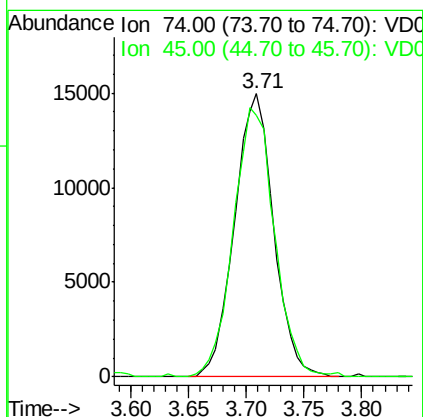
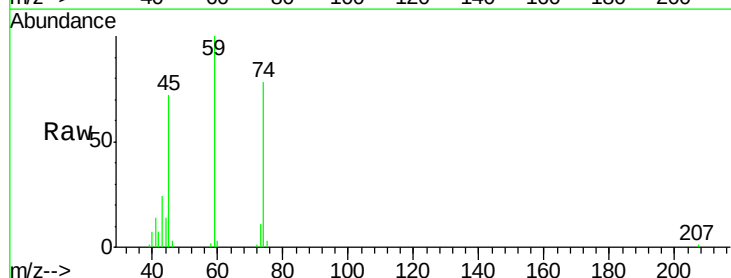
Tgt Ion:101 Resp: 169524
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

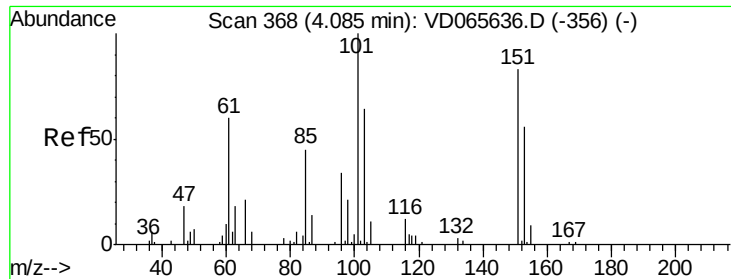


#8

Diethyl Ether
 Concen: 49.50 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 74 Resp: 35215
 Ion Ratio Lower Upper
 74 100
 45 100.3 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.56 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

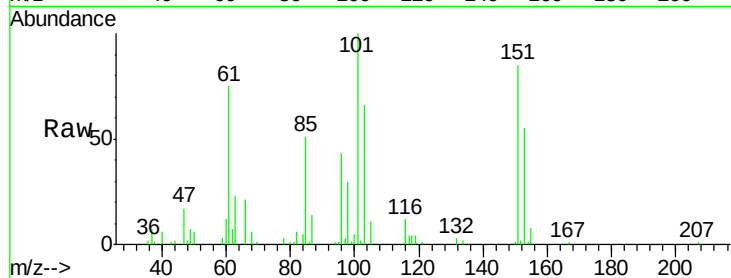
Tgt Ion:101 Resp: 78262

Ion Ratio Lower Upper

101 100

85 46.5 36.2 54.2

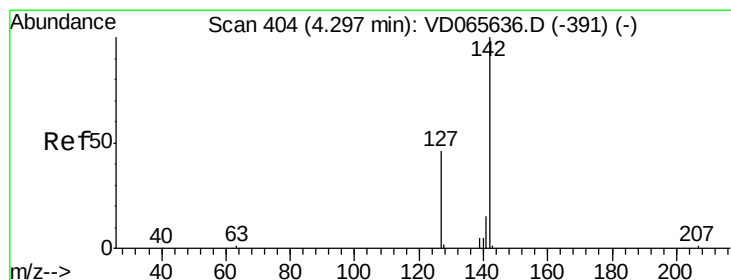
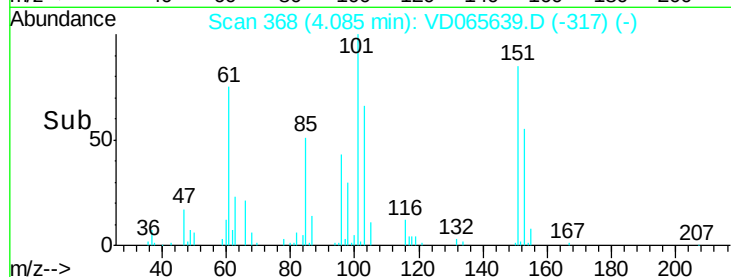
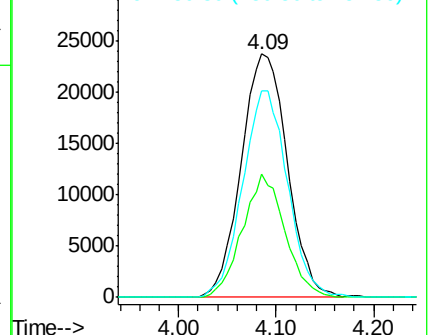
151 82.5 65.6 98.4



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: 37.05 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

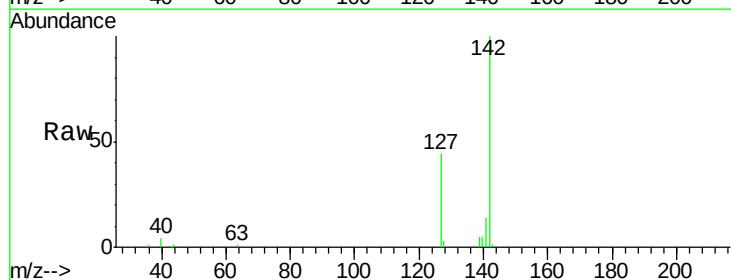
Tgt Ion:142 Resp: 91383

Ion Ratio Lower Upper

142 100

127 45.9 38.1 57.1

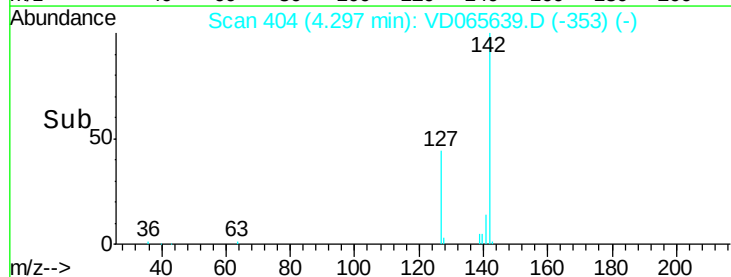
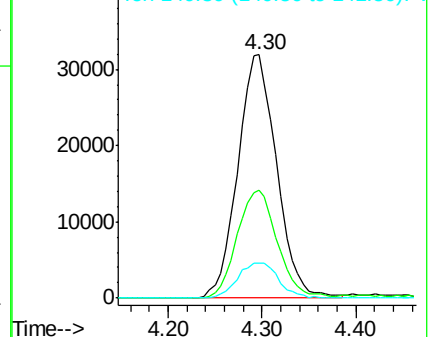
141 15.1 12.1 18.1

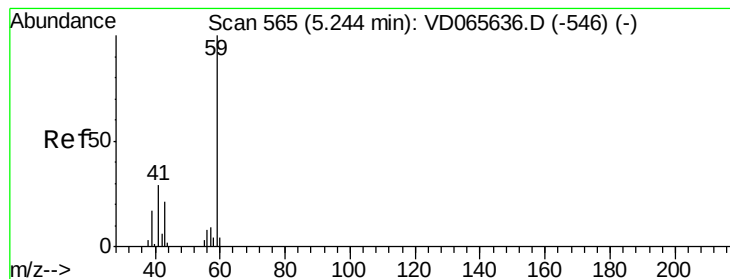


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



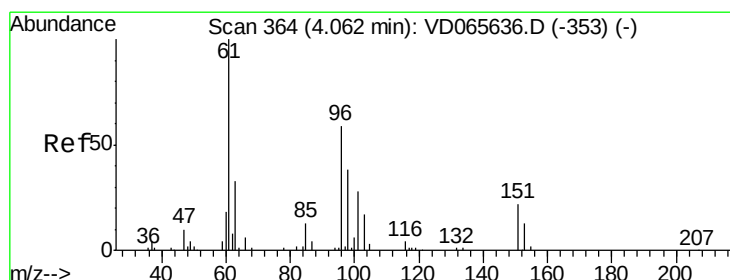
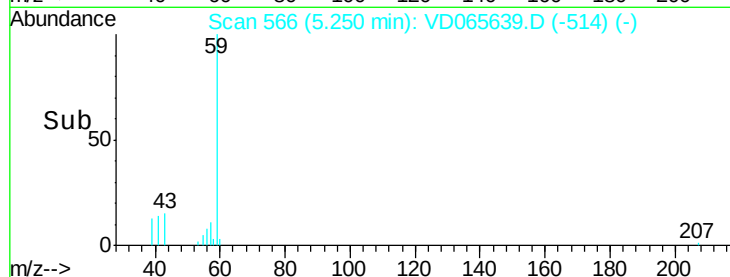
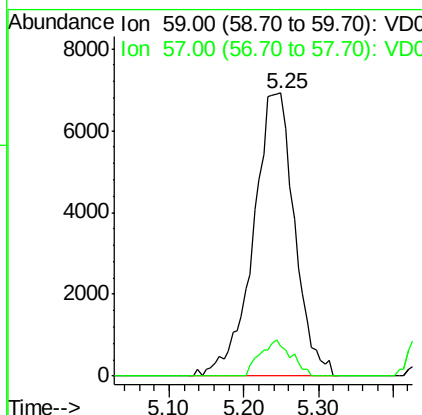
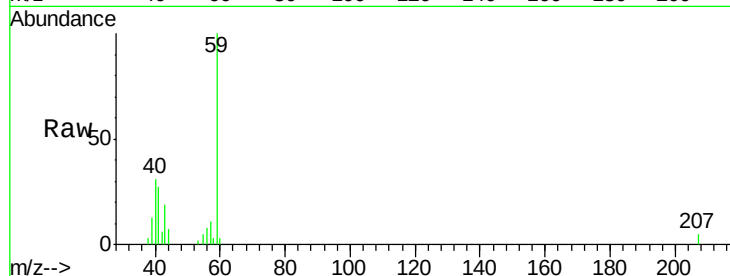


#11

Tert butyl alcohol
 Concen: 243.74 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

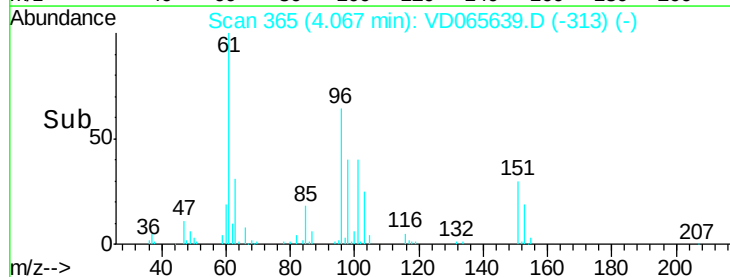
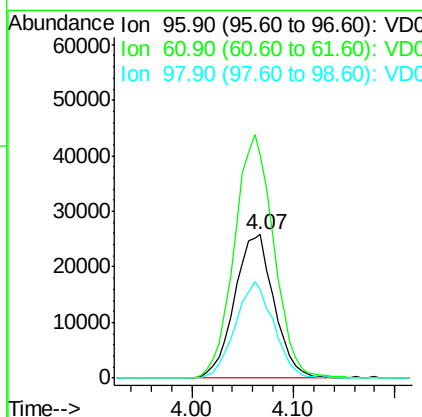
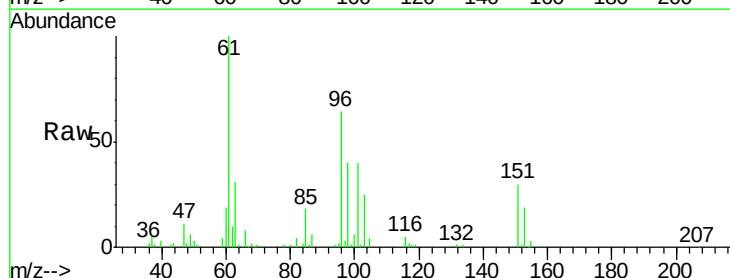
Tgt Ion: 59 Resp: 26599
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.4 11.2

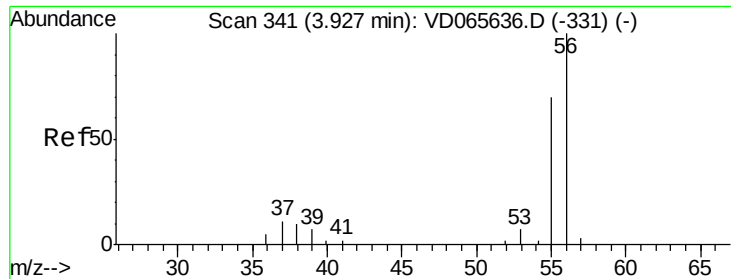


#12

1,1-Dichloroethene
 Concen: 49.30 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 96 Resp: 69978
 Ion Ratio Lower Upper
 96 100
 61 155.1 136.2 204.2
 98 61.5 52.2 78.2

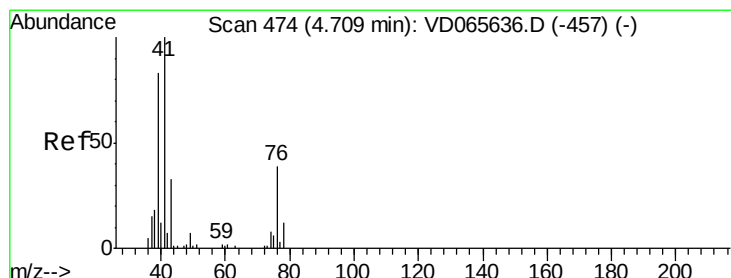
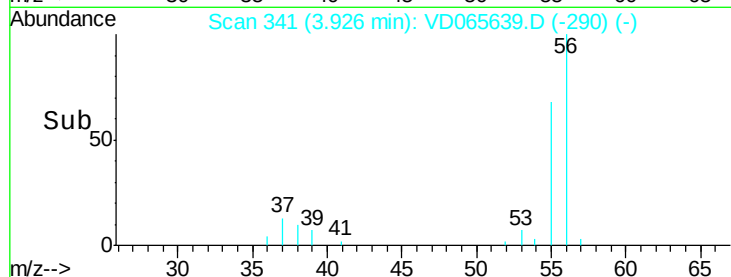
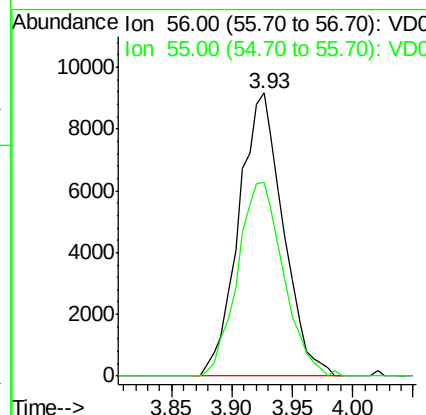
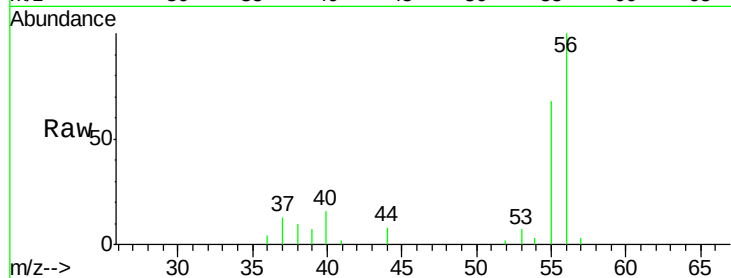




#13
 Acrolein
 Concen: 252.30 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

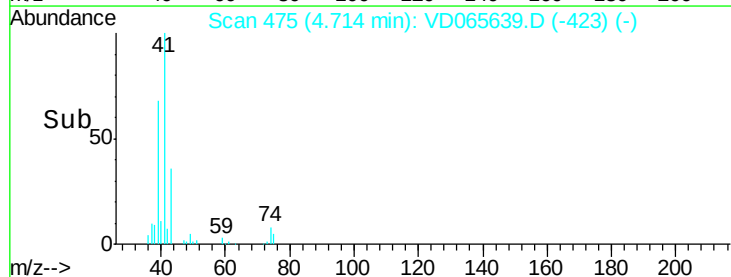
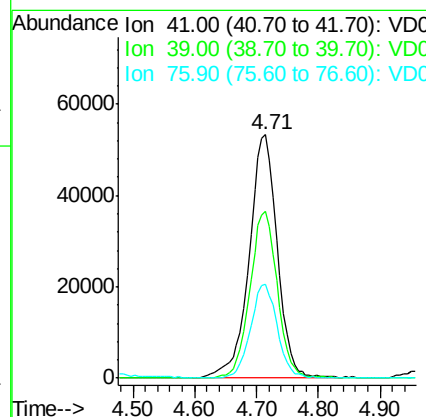
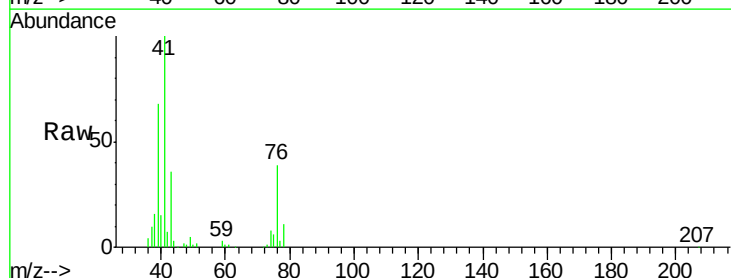
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

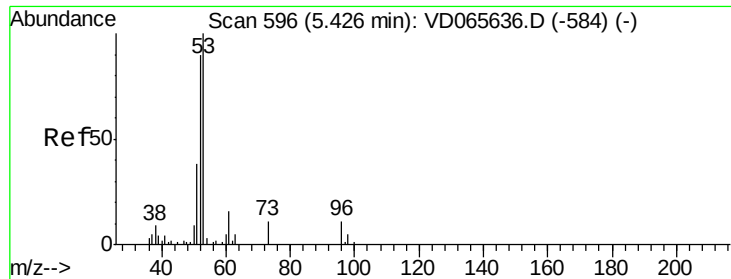
Tgt Ion: 56 Resp: 23375
 Ion Ratio Lower Upper
 56 100
 55 70.9 58.2 87.2



#14
 Allyl chloride
 Concen: 59.78 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 41 Resp: 169422
 Ion Ratio Lower Upper
 41 100
 39 66.6 62.5 93.7
 76 36.6 29.1 43.7





#15

Acrylonitrile

Concen: 276.70 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

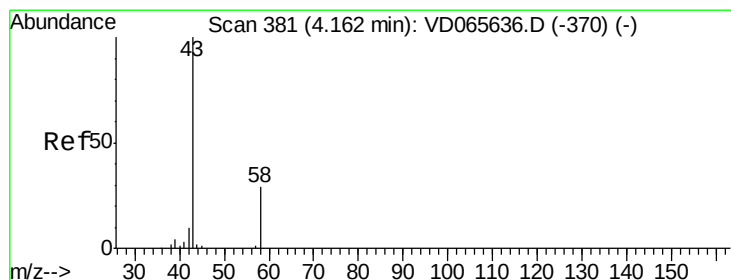
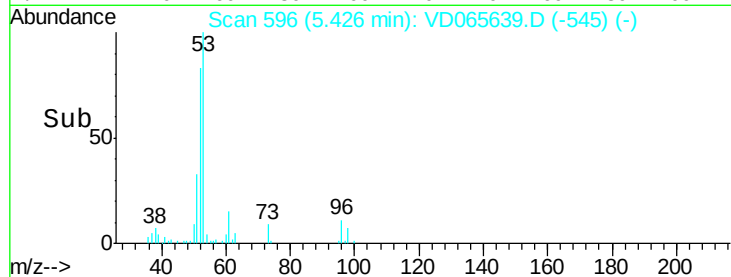
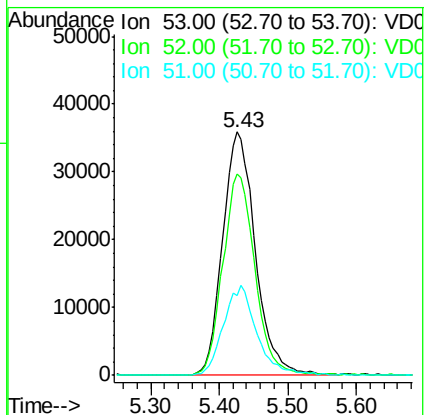
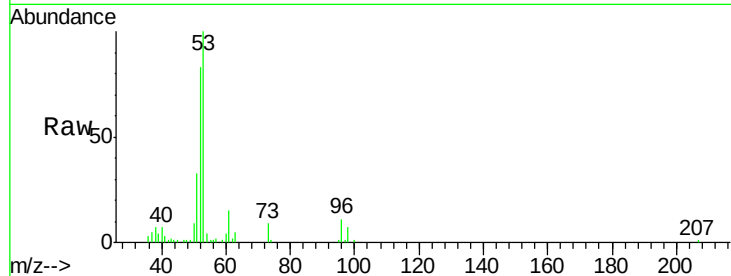
Tgt Ion: 53 Resp: 118550

Ion Ratio Lower Upper

53 100

52 81.4 65.8 98.6

51 37.5 30.9 46.3



#16

Acetone

Concen: 220.44 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065639.D

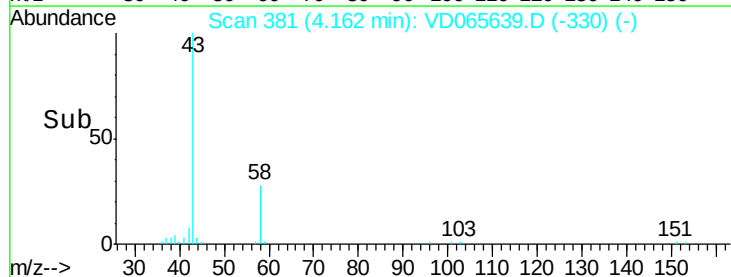
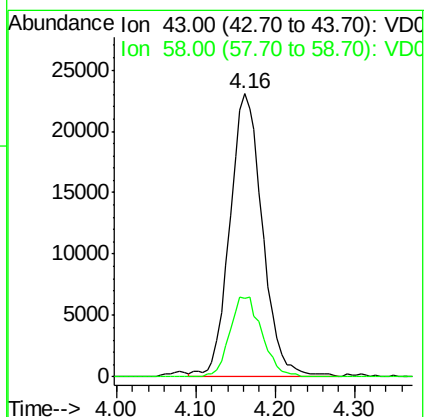
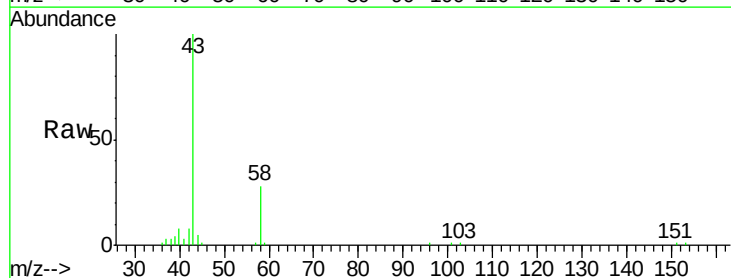
Acq: 15 Apr 2020 17:51

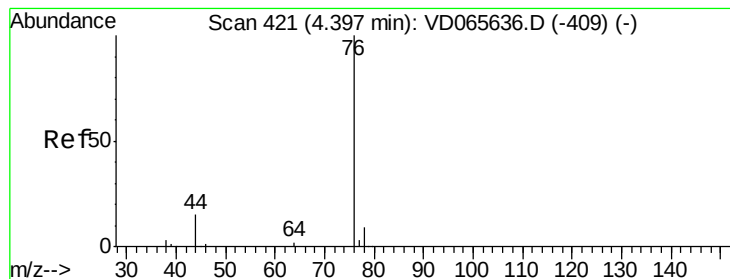
Tgt Ion: 43 Resp: 65999

Ion Ratio Lower Upper

43 100

58 27.9 22.9 34.3





#17

Carbon Disulfide

Concen: 46.59 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

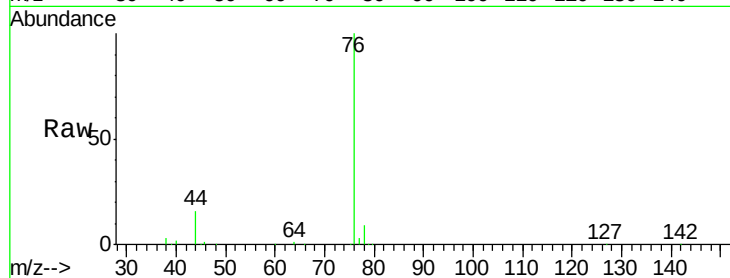
ICVVD041520

Tgt Ion: 76 Resp: 288359

Ion Ratio Lower Upper

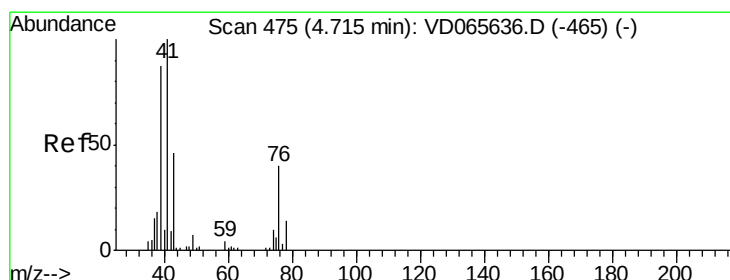
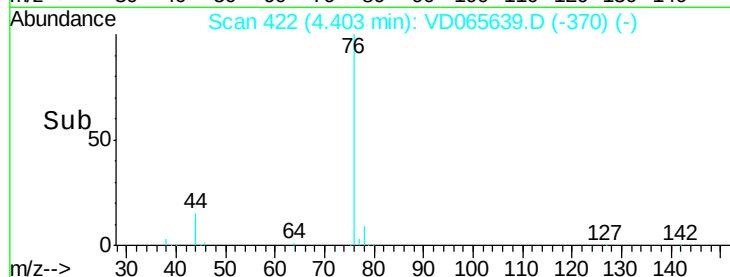
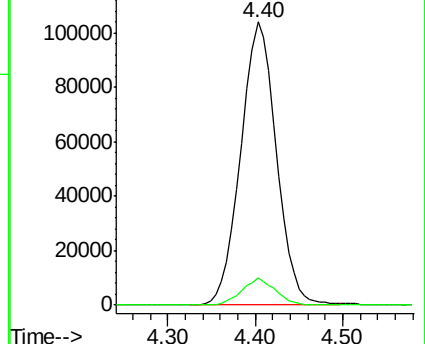
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.08 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065639.D

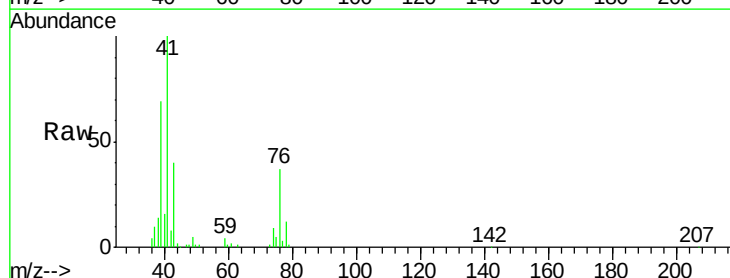
Acq: 15 Apr 2020 17:51

Tgt Ion: 43 Resp: 60679

Ion Ratio Lower Upper

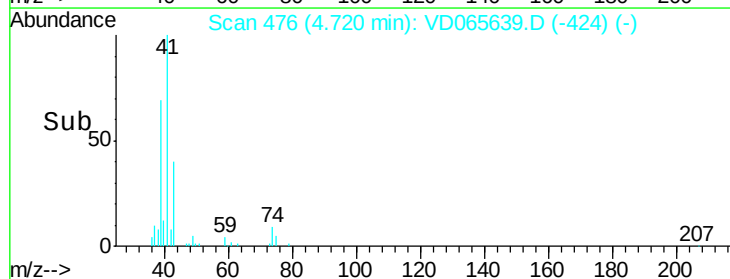
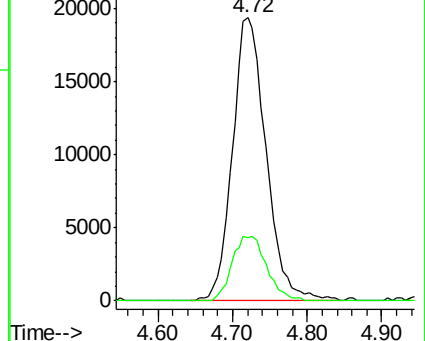
43 100

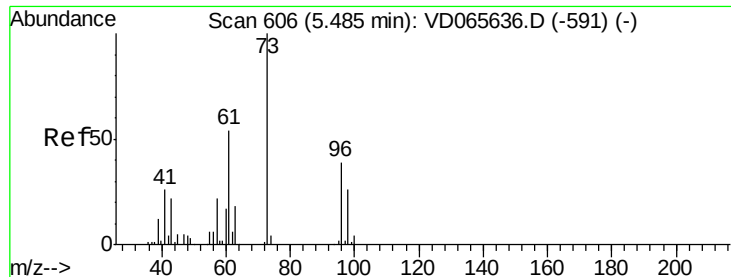
74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 56.80 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

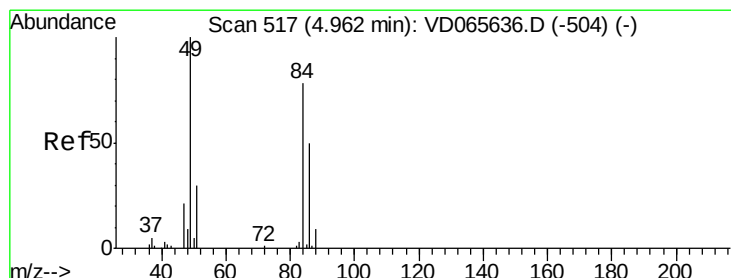
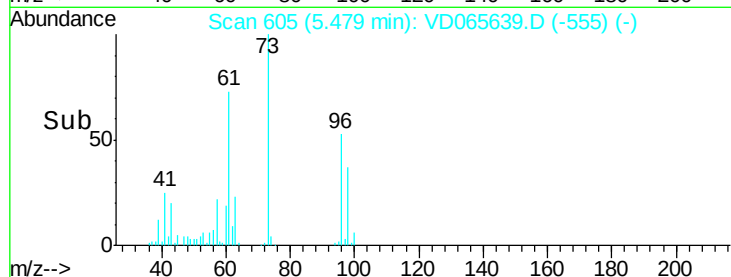
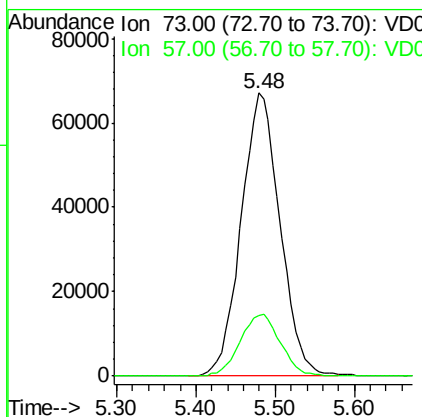
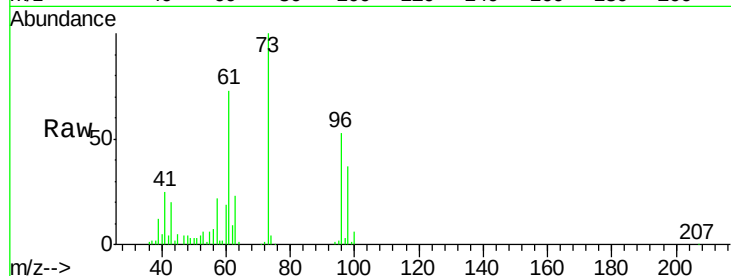
ICVVD041520

Tgt Ion: 73 Resp: 228284

Ion Ratio Lower Upper

73 100

57 21.6 17.8 26.8



#20

Methylene Chloride

Concen: 62.24 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion: 84 Resp: 122304

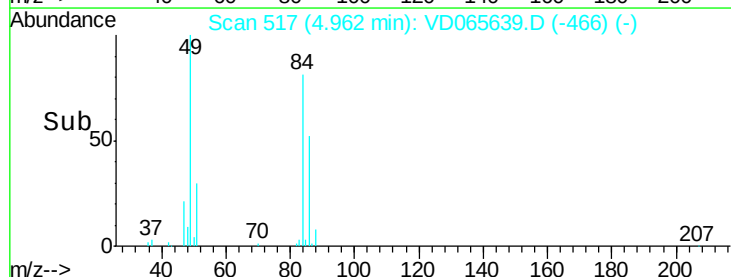
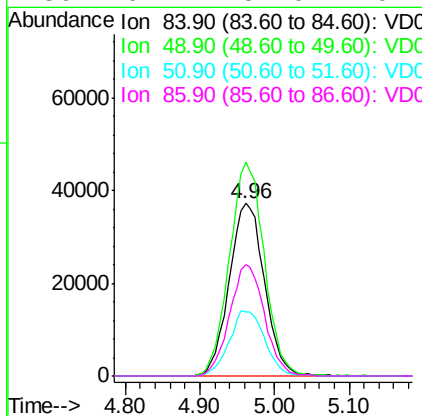
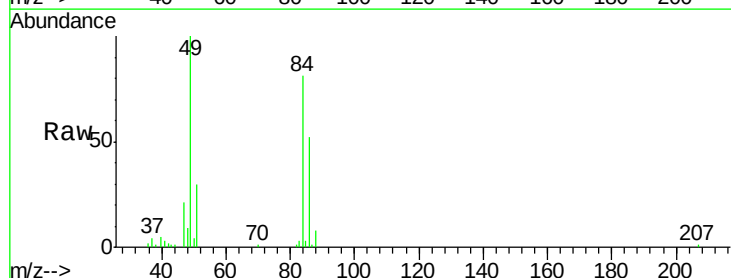
Ion Ratio Lower Upper

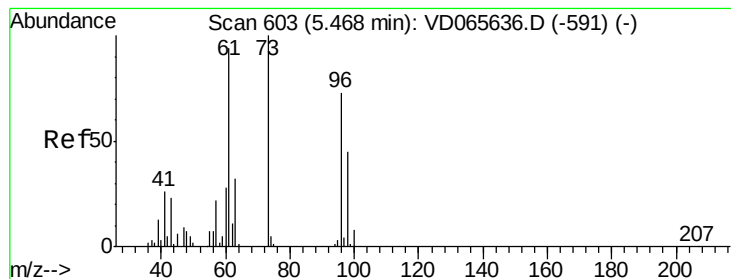
84 100

49 123.7 102.0 153.0

51 37.0 30.8 46.2

86 64.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 54.43 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

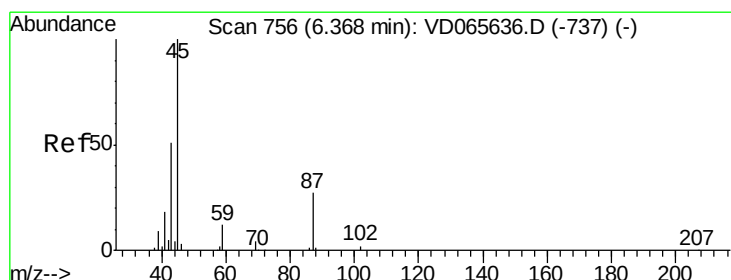
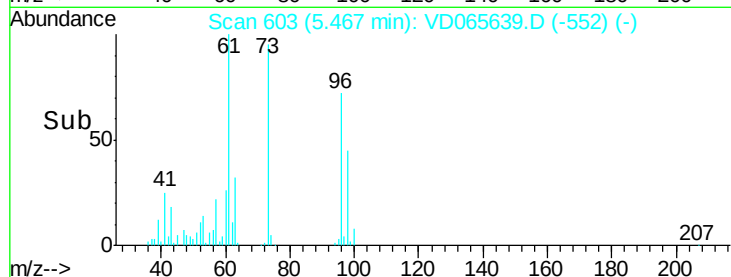
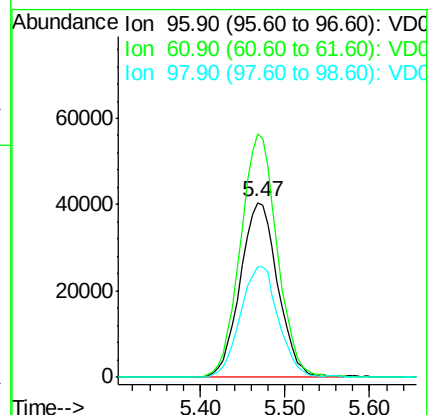
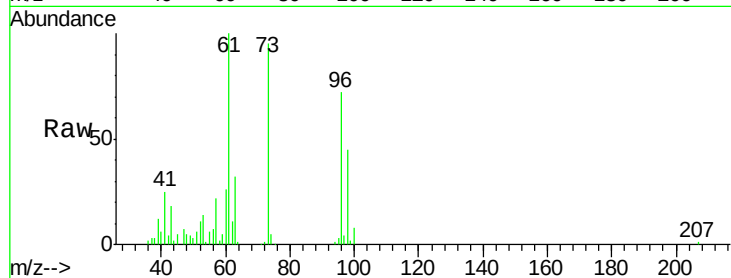
Tgt Ion: 96 Resp: 124825

Ion Ratio Lower Upper

96 100

61 139.1 102.6 153.8

98 63.2 49.4 74.0



#22

Diisopropyl ether

Concen: 53.90 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion: 45 Resp: 353073

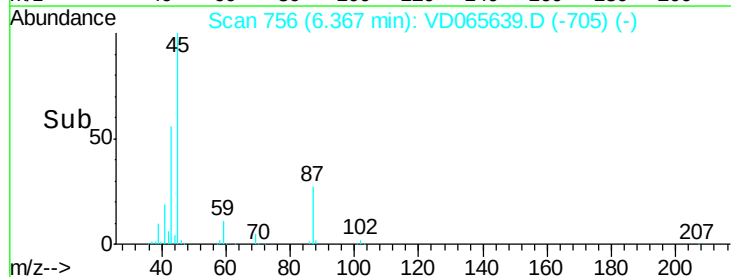
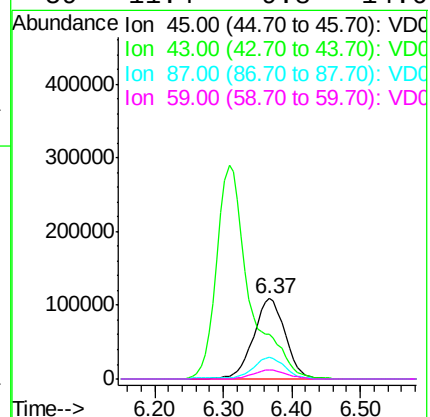
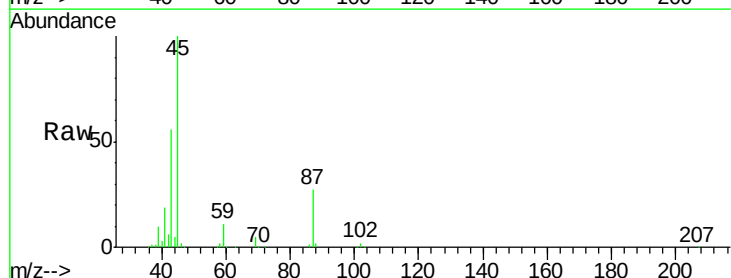
Ion Ratio Lower Upper

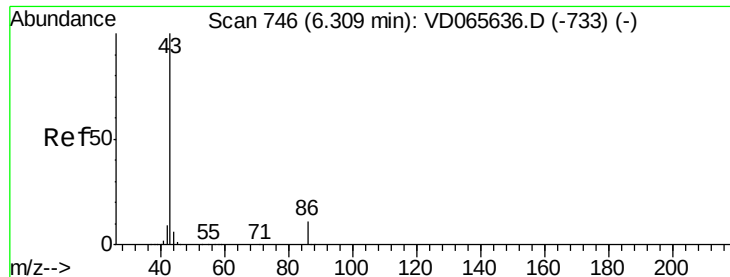
45 100

43 54.9 42.2 63.2

87 26.5 22.1 33.1

59 11.4 9.8 14.6





#23

Vinyl Acetate

Concen: 250.23 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

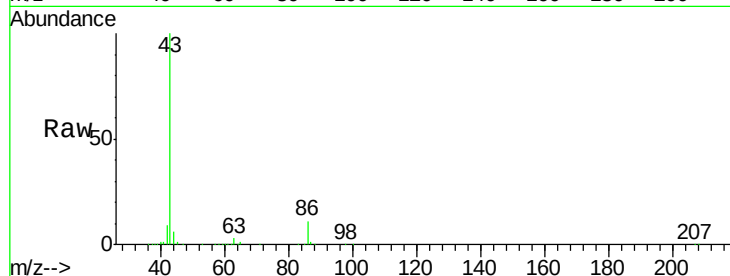
ICVVD041520

Tgt Ion: 43 Resp: 961645

Ion Ratio Lower Upper

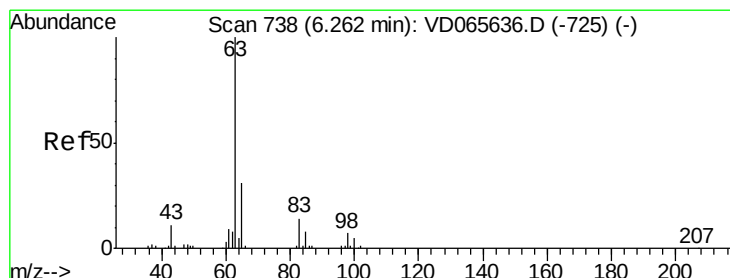
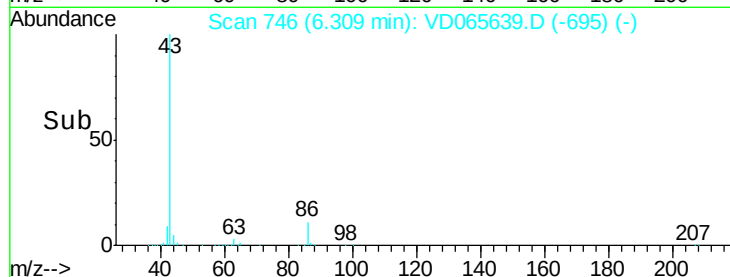
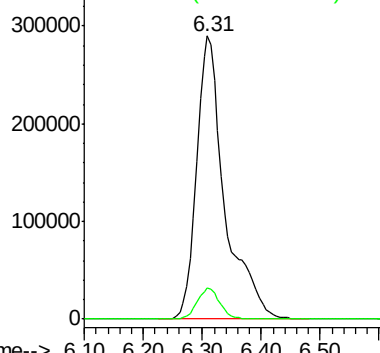
43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.73 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

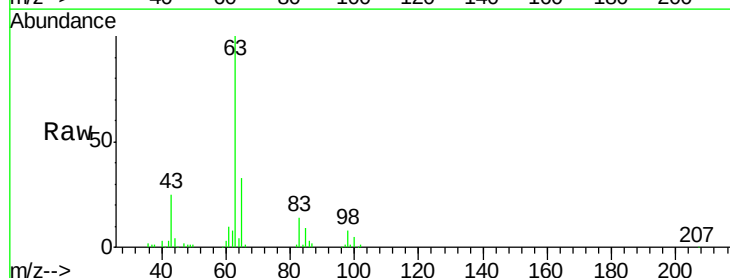
Tgt Ion: 63 Resp: 209953

Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.8

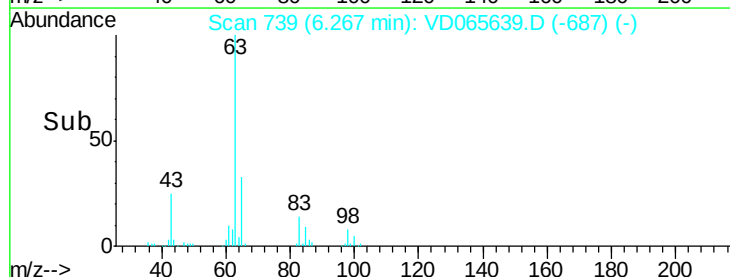
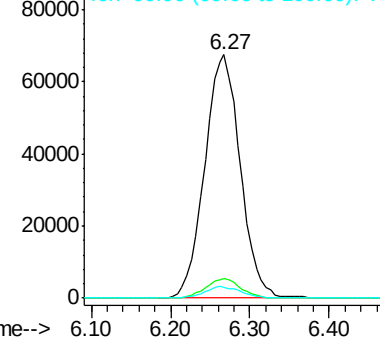
100 4.6 2.4 7.2

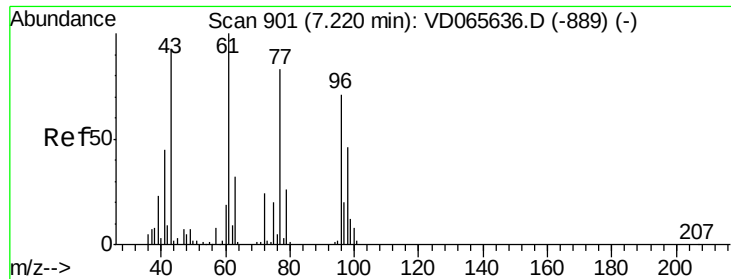


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 248.41 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

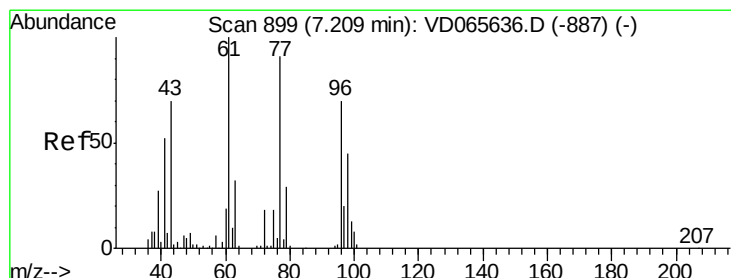
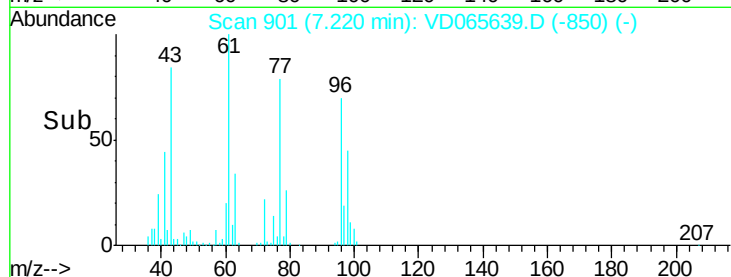
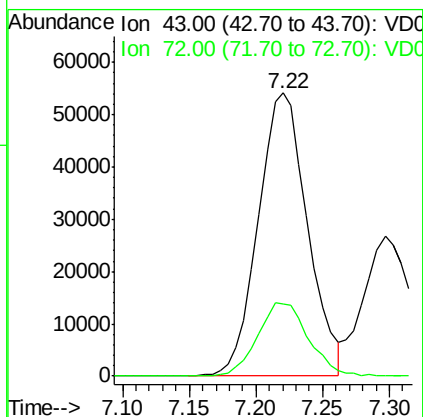
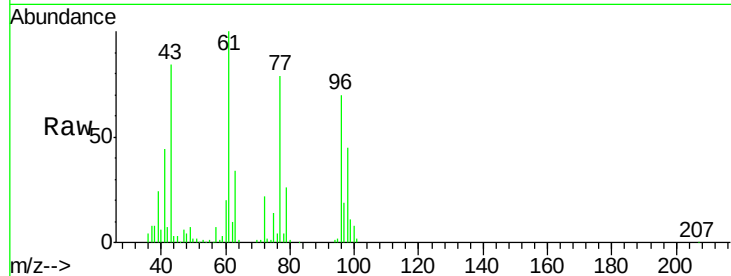
ICVVD041520

Tgt Ion: 43 Resp: 138766

Ion Ratio Lower Upper

43 100

72 25.6 20.5 30.7



#26

2,2-Dichloropropane

Concen: 48.08 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065639.D

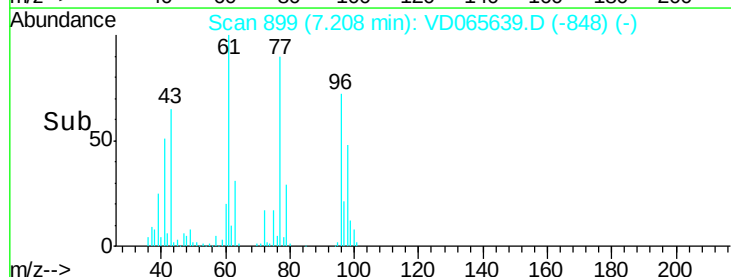
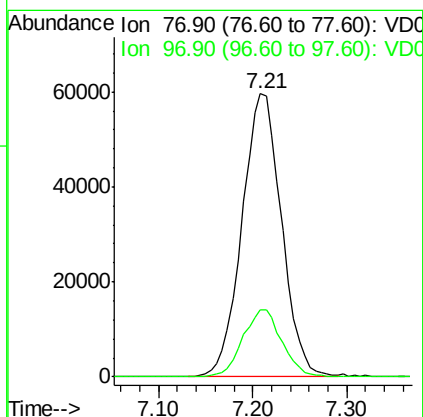
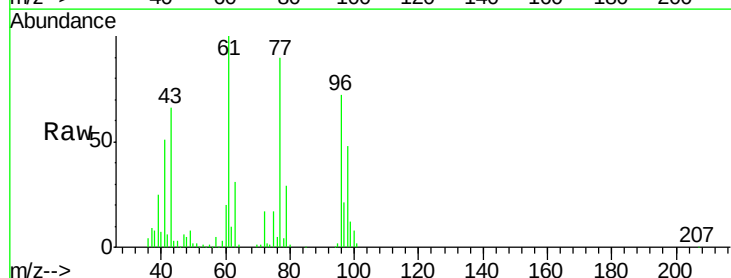
Acq: 15 Apr 2020 17:51

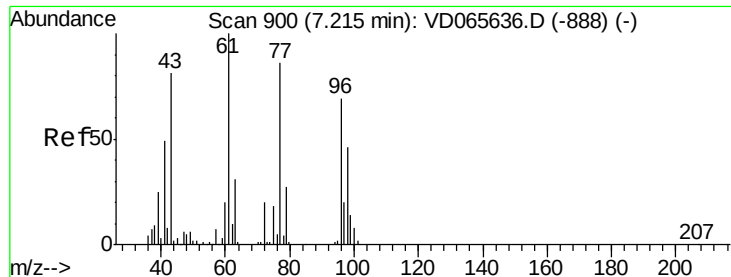
Tgt Ion: 77 Resp: 173433

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 51.50 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

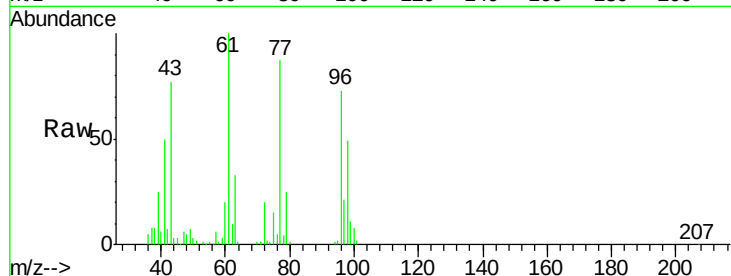
Tgt Ion: 96 Resp: 131022

Ion Ratio Lower Upper

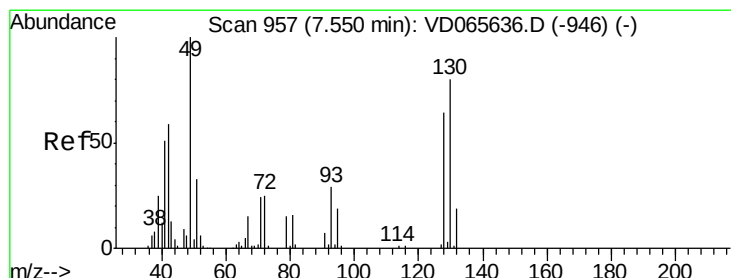
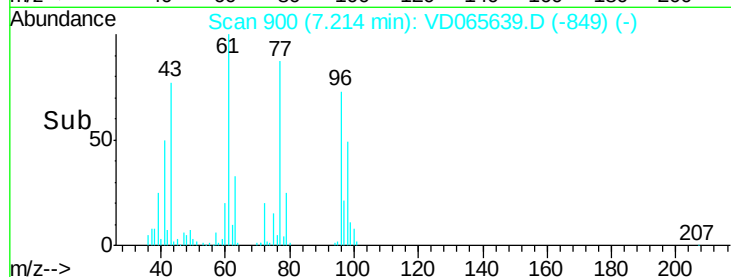
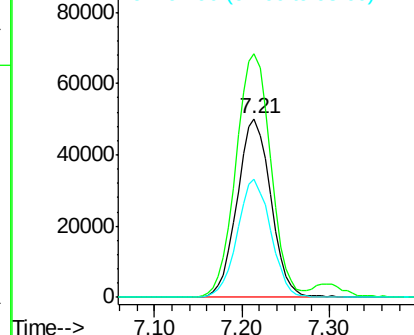
96 100

61 141.3 0.0 286.2

98 65.4 0.0 128.0



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: 50.72 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

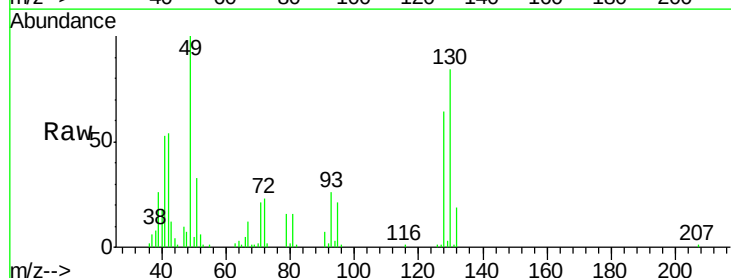
Tgt Ion: 49 Resp: 83837

Ion Ratio Lower Upper

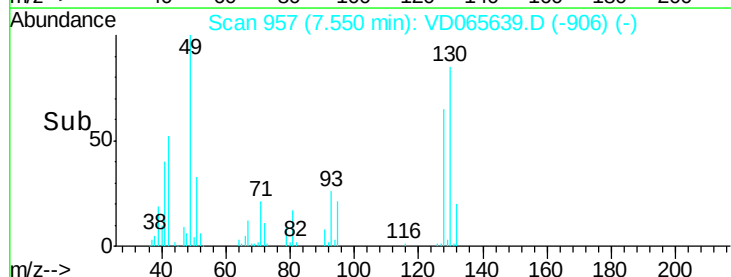
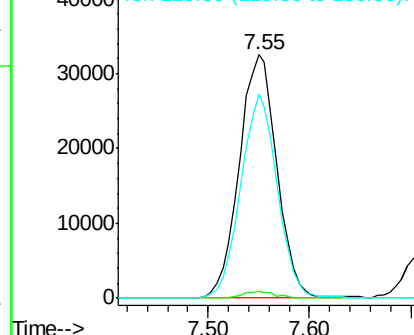
49 100

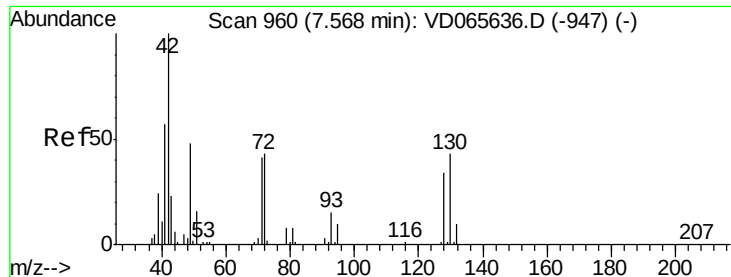
129 2.2 0.0 4.2

130 81.3 66.2 99.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

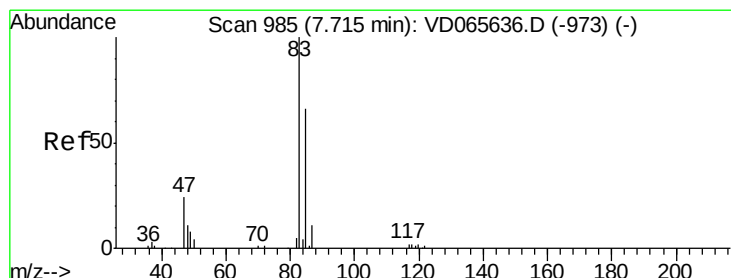
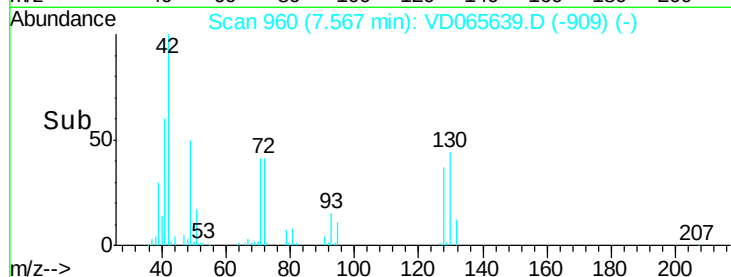
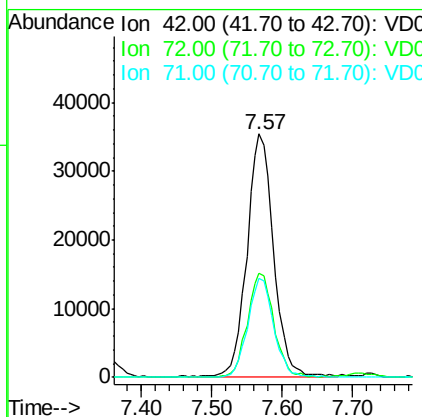
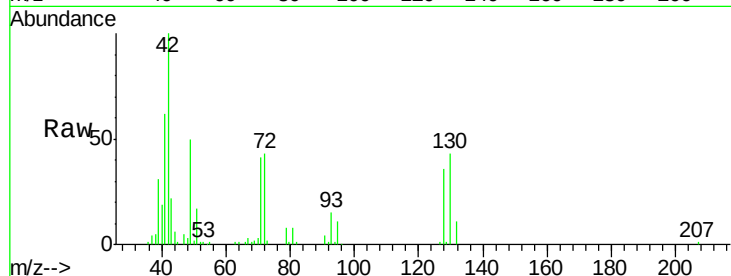




#29
Tetrahydrofuran
Concen: 263.79 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

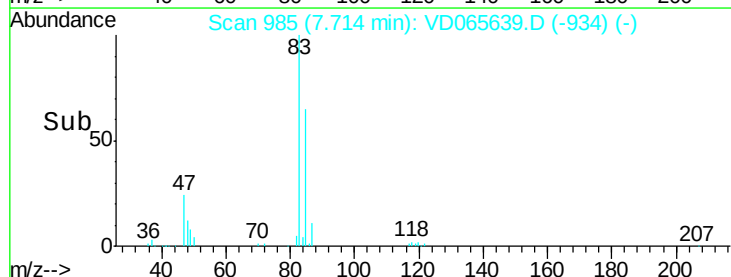
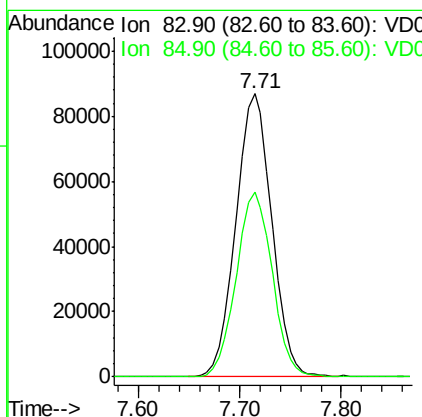
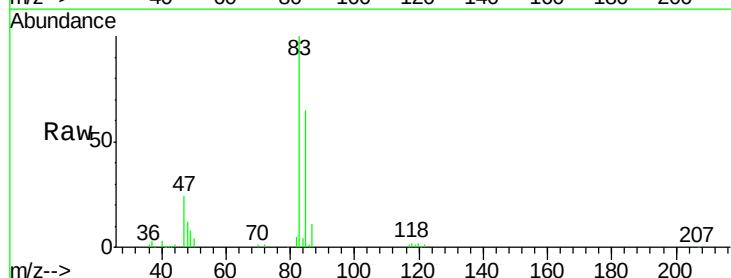
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

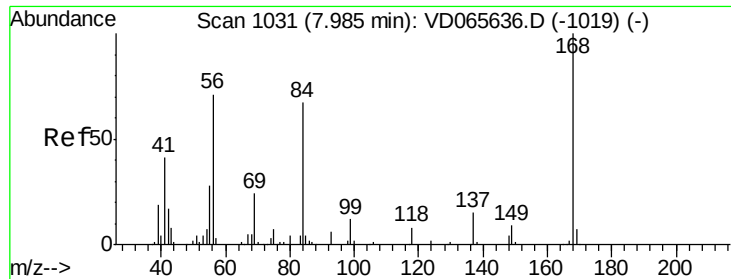
Tgt Ion: 42 Resp: 93500
Ion Ratio Lower Upper
42 100
72 42.1 34.4 51.6
71 39.4 31.4 47.0



#30
Chloroform
Concen: 50.55 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 83 Resp: 214133
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8

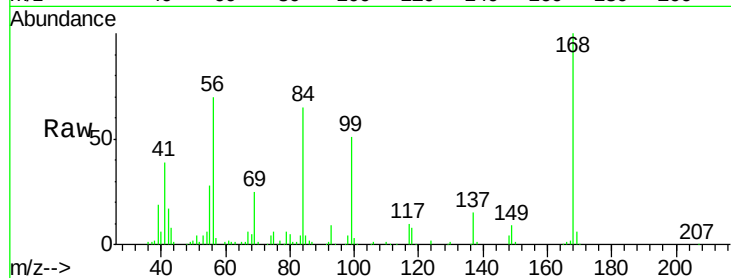




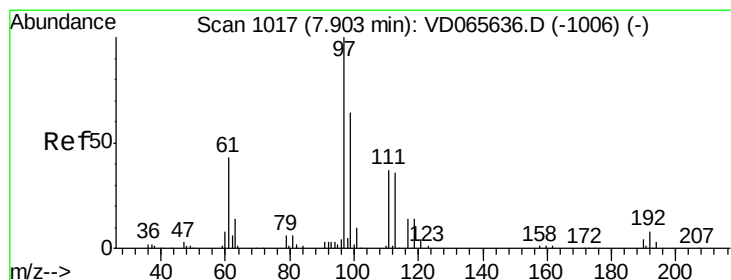
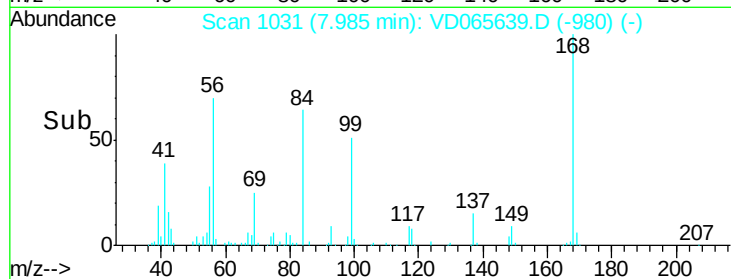
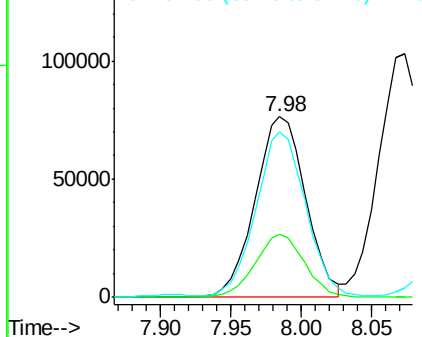
#31
Cyclohexane
Concen: 48.56 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tgt Ion: 56 Resp: 191446
Ion Ratio Lower Upper
56 100
69 35.0 26.6 40.0
84 90.7 75.3 112.9

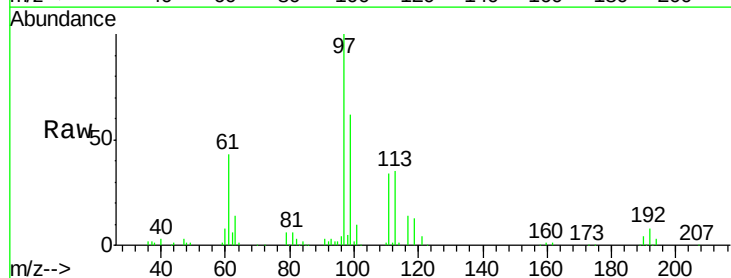


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

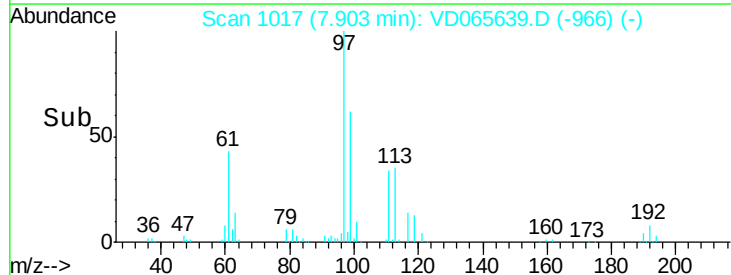
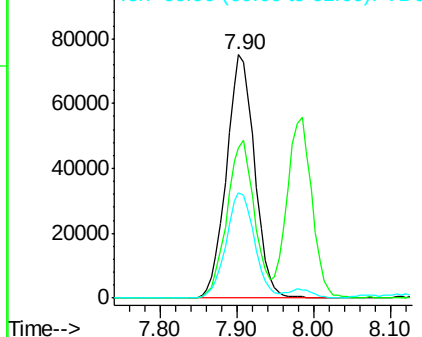


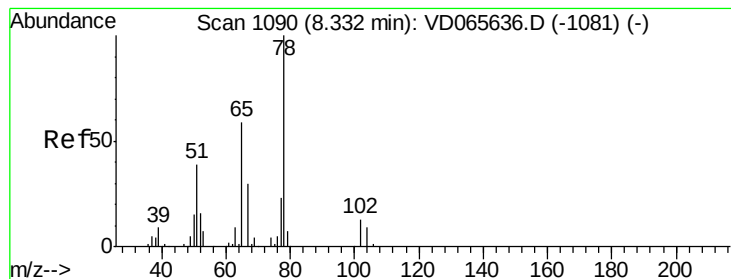
#32
1,1,1-Trichloroethane
Concen: 50.27 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 97 Resp: 191454
Ion Ratio Lower Upper
97 100
99 63.2 51.5 77.3
61 43.7 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 47.44 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

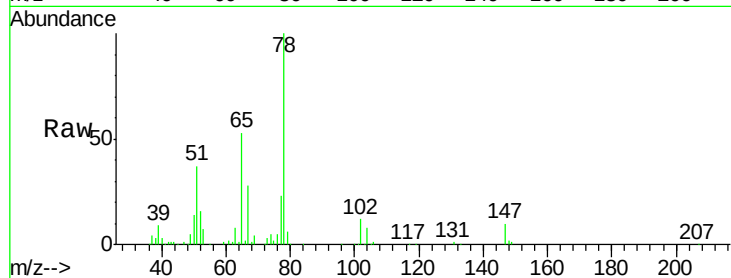
ICVVD041520

Tgt Ion: 65 Resp: 99304

Ion Ratio Lower Upper

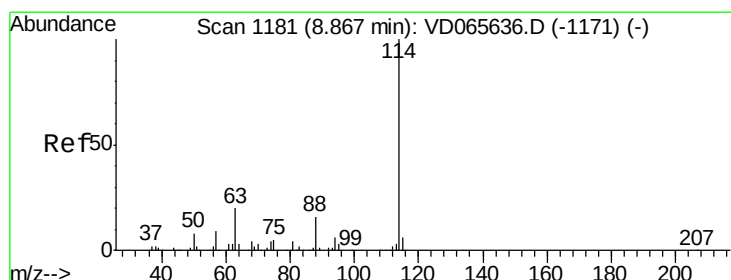
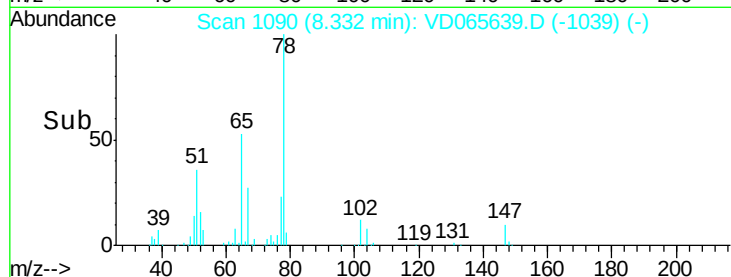
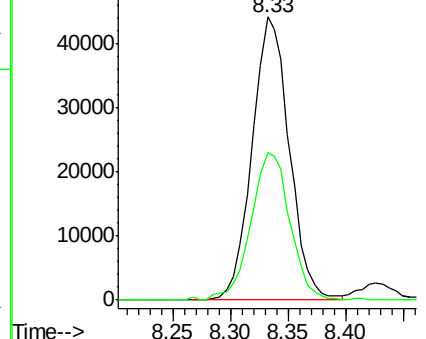
65 100

67 54.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

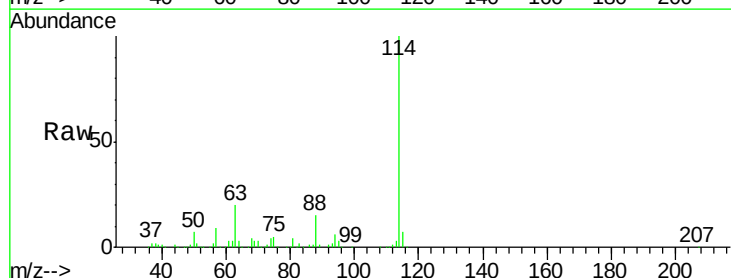
Tgt Ion: 114 Resp: 338748

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

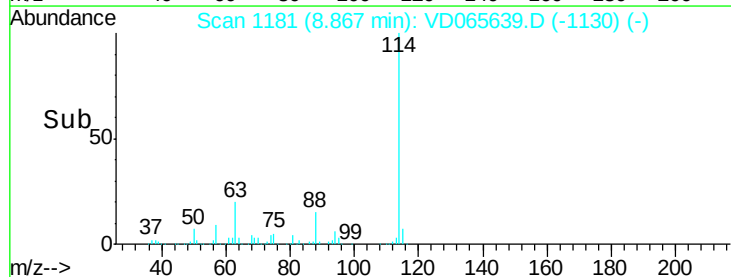
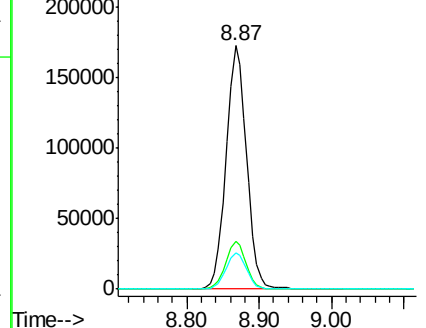
88 14.7 0.0 31.6

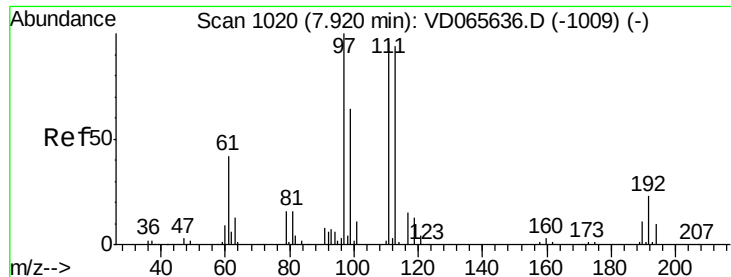


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

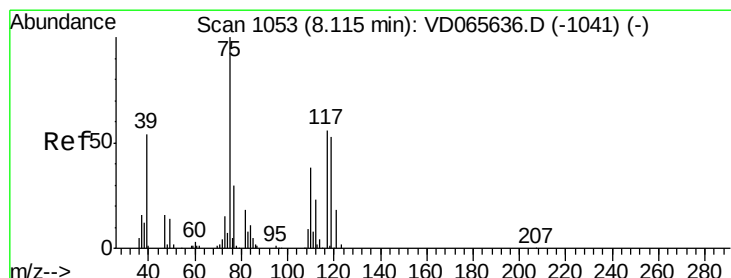
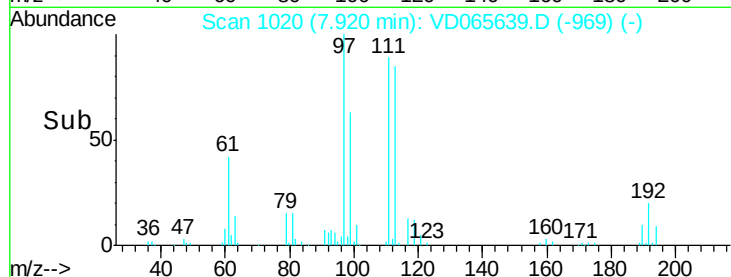
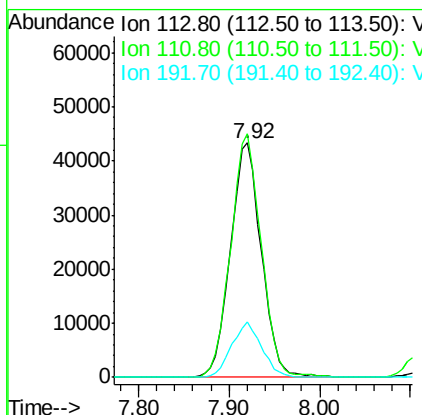
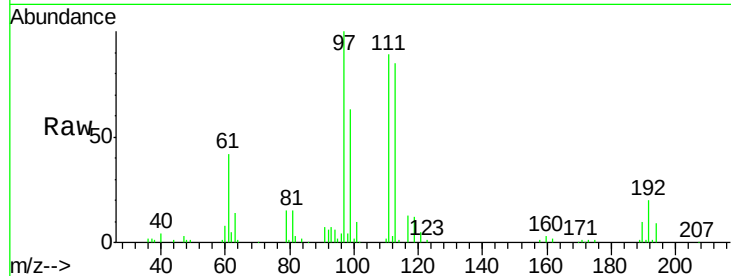




#35
 Dibromofluoromethane
 Concen: 48.75 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

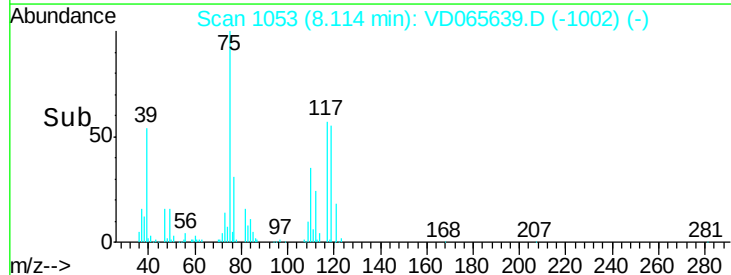
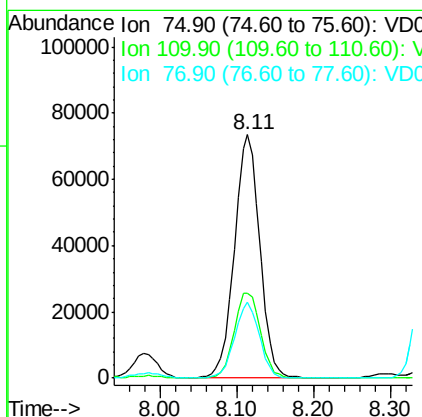
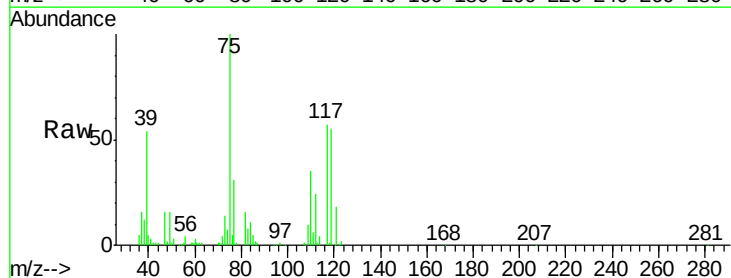
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

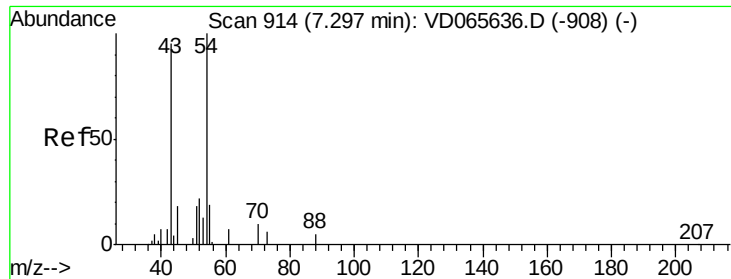
Tgt Ion: 113 Resp: 102776
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 22.8 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 51.98 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 75 Resp: 170027
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.3 54.8
 77 30.4 24.6 37.0

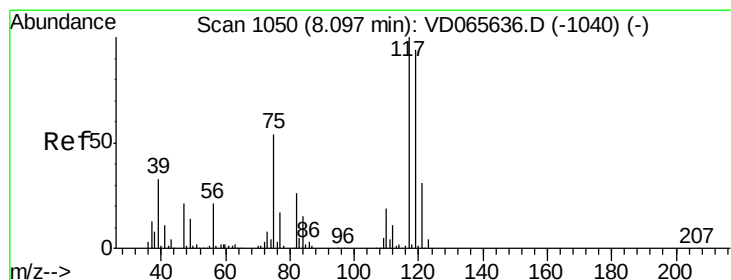
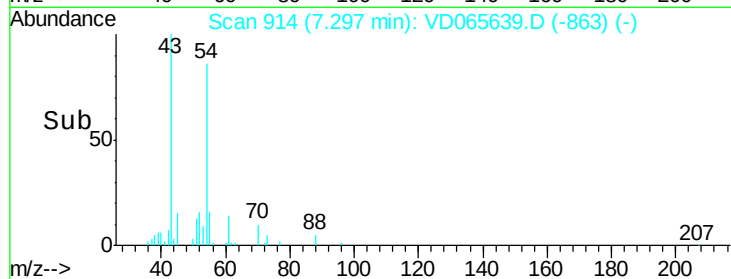
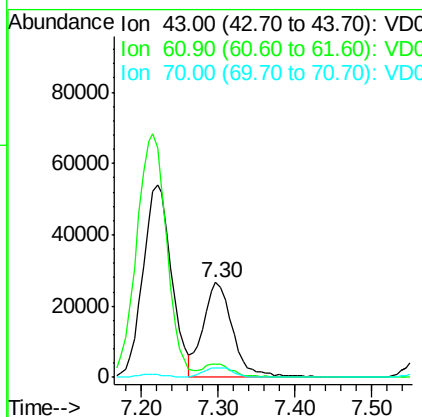
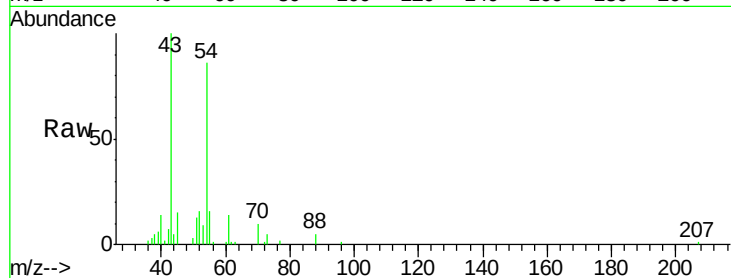




#37
Ethyl Acetate
Concen: 54.42 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

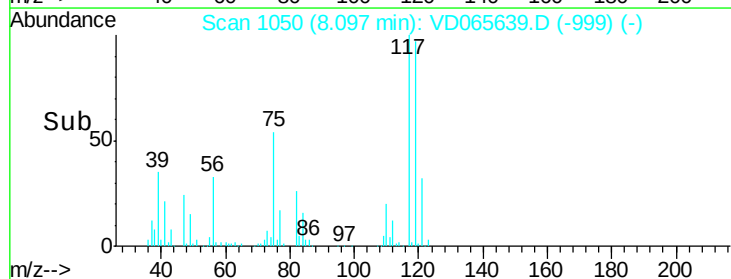
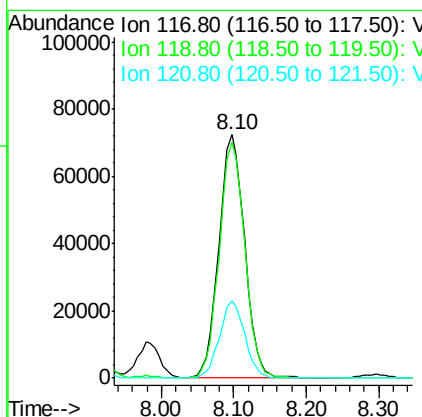
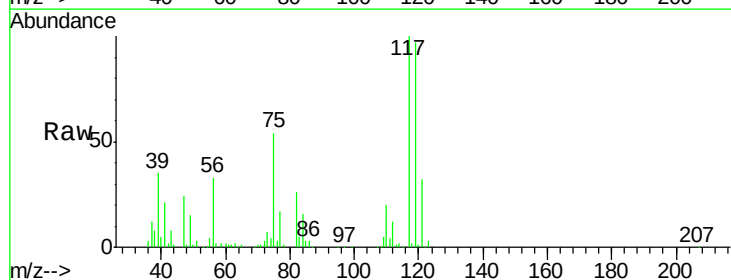
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

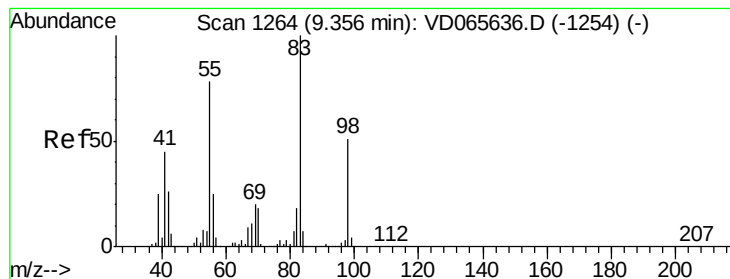
Tgt Ion: 43 Resp: 70981
Ion Ratio Lower Upper
43 100
61 12.3 10.9 16.3
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 51.16 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 117 Resp: 179248
Ion Ratio Lower Upper
117 100
119 96.9 75.3 112.9
121 31.5 24.9 37.3





#39

Methylcyclohexane

Concen: 52.49 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

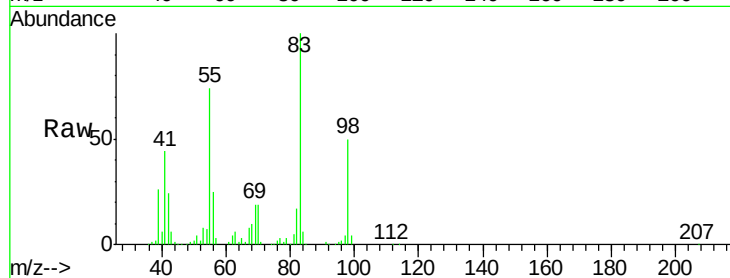
Tgt Ion: 83 Resp: 199789

Ion Ratio Lower Upper

83 100

55 74.5 62.3 93.5

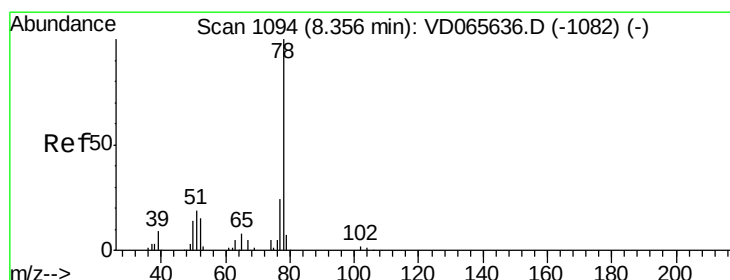
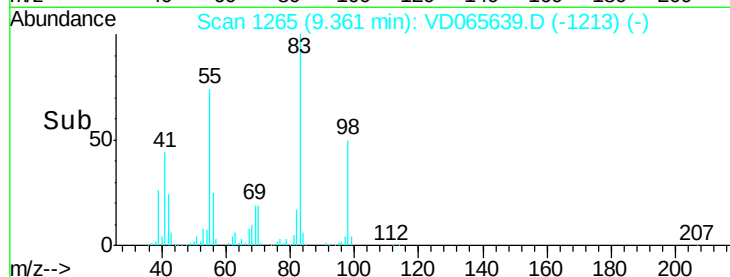
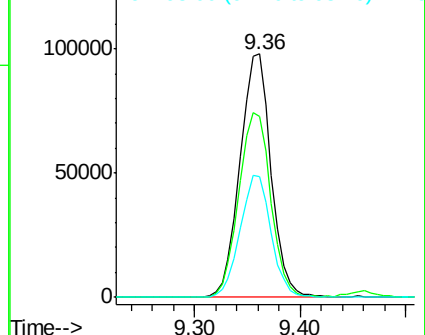
98 49.8 40.5 60.7



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 51.96 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD065639.D

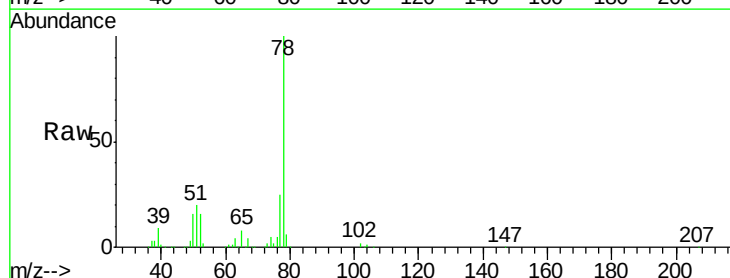
Acq: 15 Apr 2020 17:51

Tgt Ion: 78 Resp: 488639

Ion Ratio Lower Upper

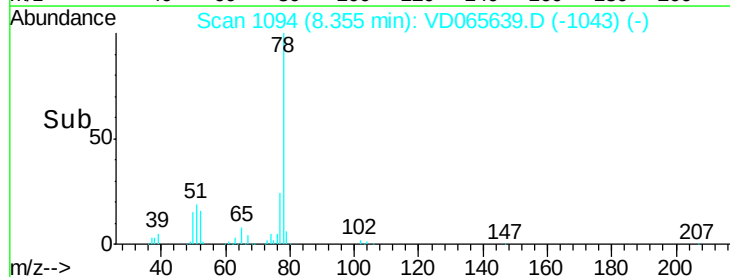
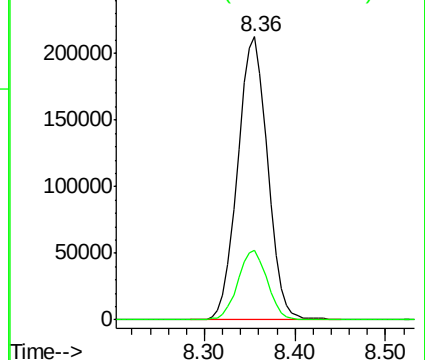
78 100

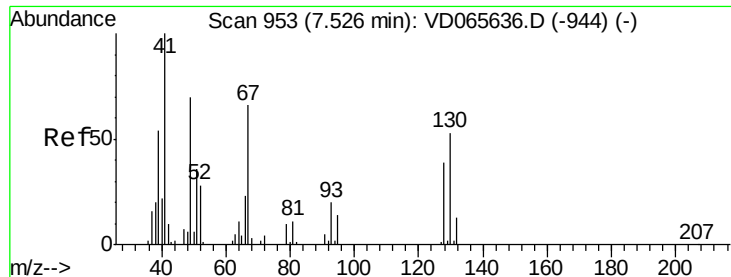
77 24.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

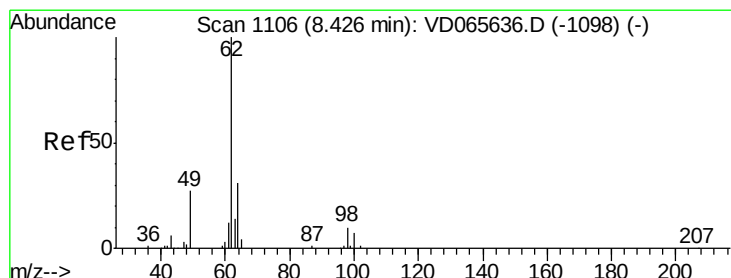
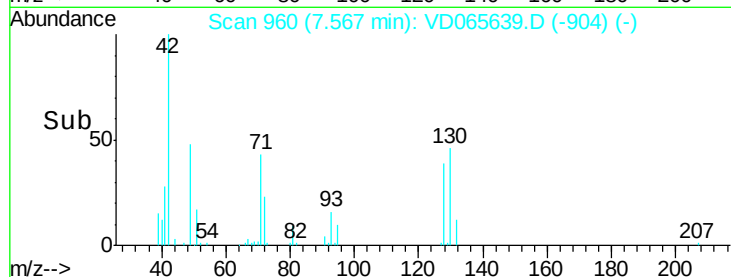
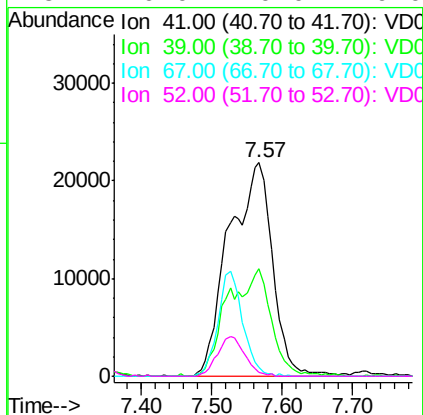
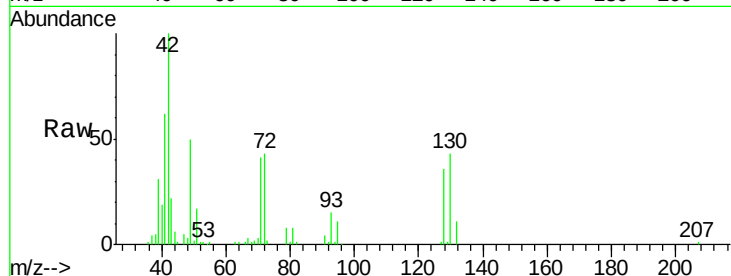




#41
Methacrylonitrile
Concen: 144.94 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

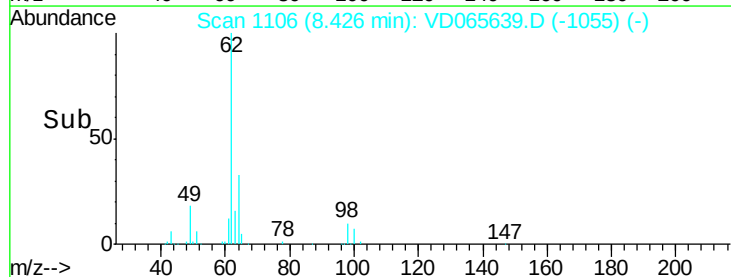
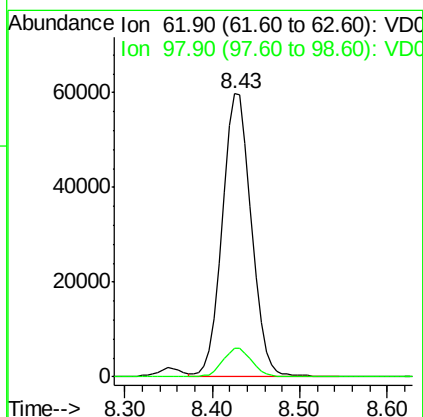
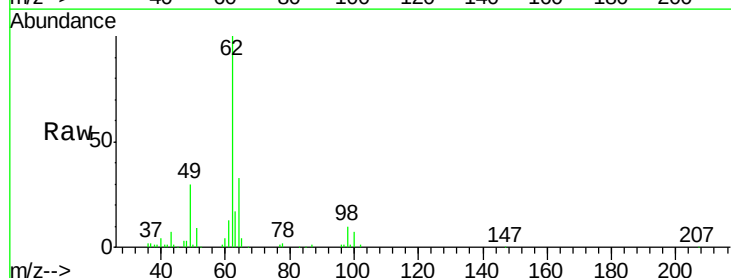
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

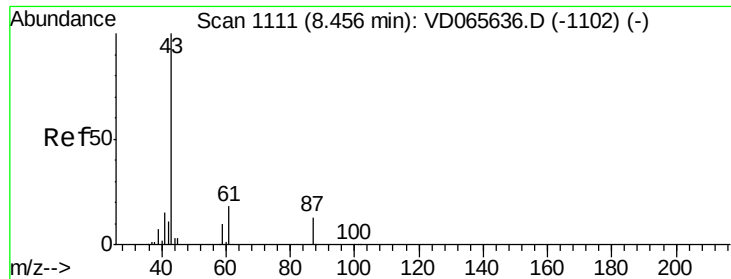
Tgt Ion:	41	Resp:	93637
Ion	Ratio	Lower	Upper
41	100		
39	24.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 52.94 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:	62	Resp:	136442
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6

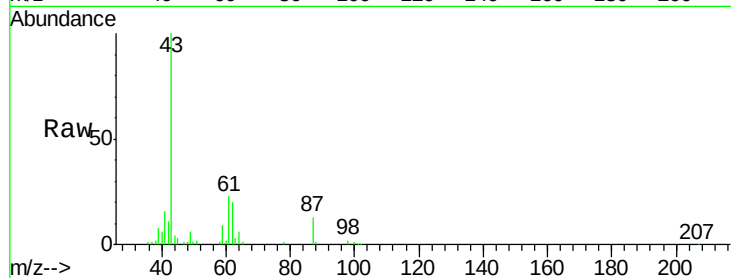




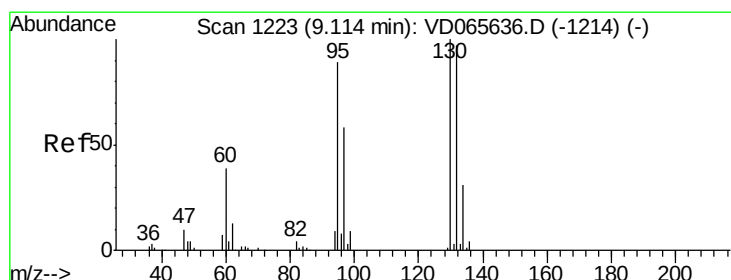
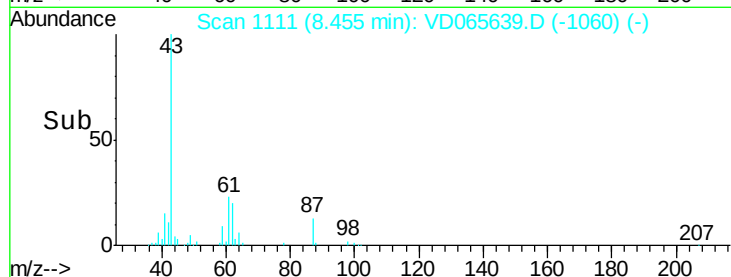
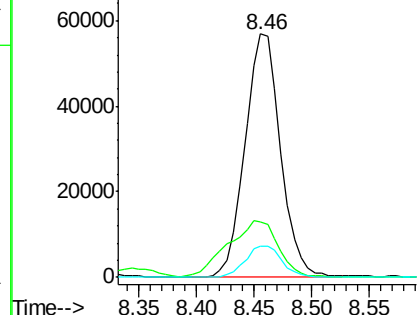
#43
Isopropyl Acetate
Concen: 51.80 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tgt Ion: 43 Resp: 121687
Ion Ratio Lower Upper
43 100
61 33.0 25.0 37.6
87 13.3 9.9 14.9

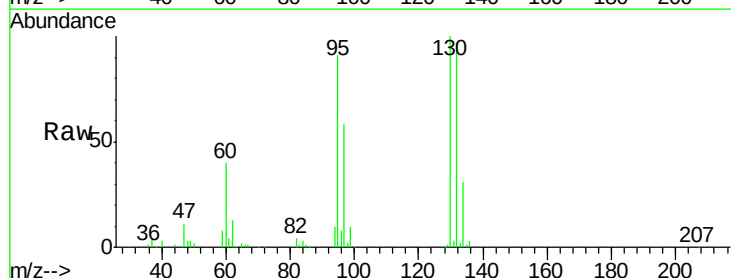


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

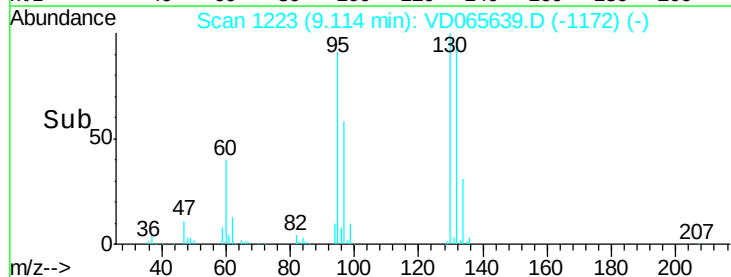
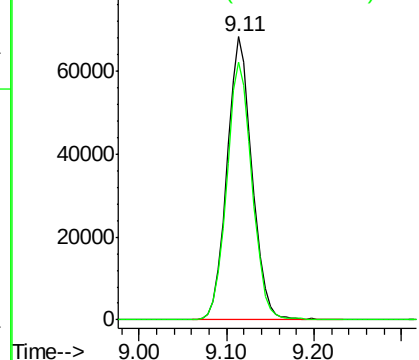


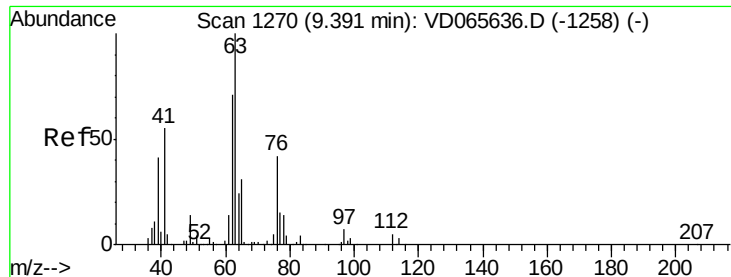
#44
Trichloroethene
Concen: 50.88 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 130 Resp: 133941
Ion Ratio Lower Upper
130 100
95 90.9 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.15 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

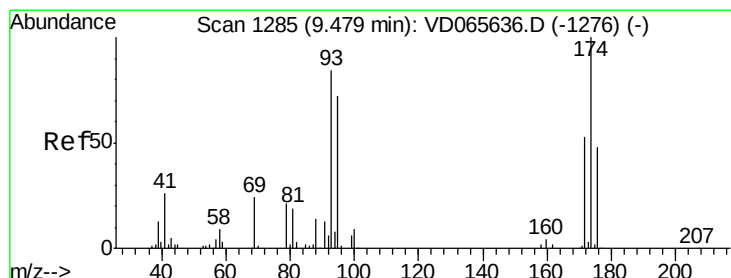
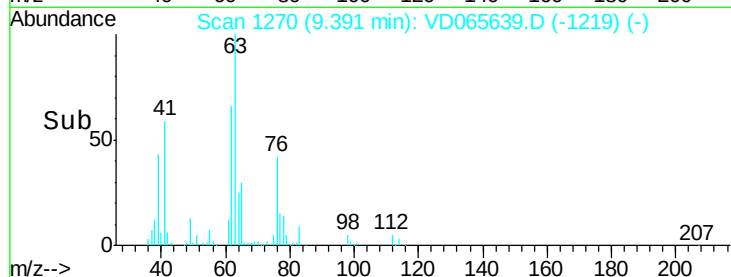
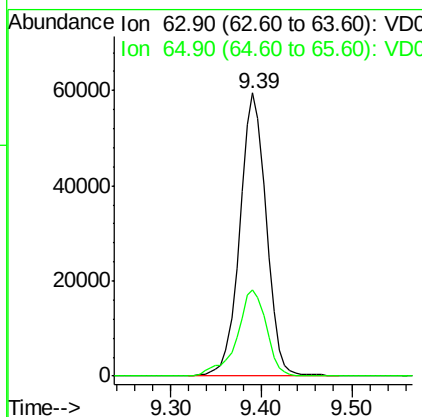
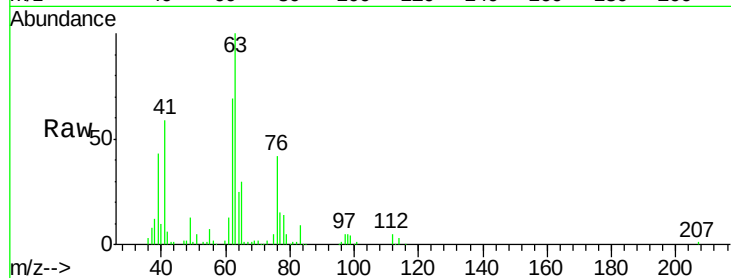
ICVVD041520

Tgt Ion: 63 Resp: 120360

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



#46

Dibromomethane

Concen: 52.95 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

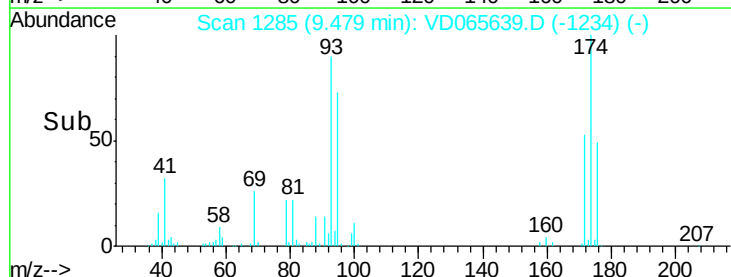
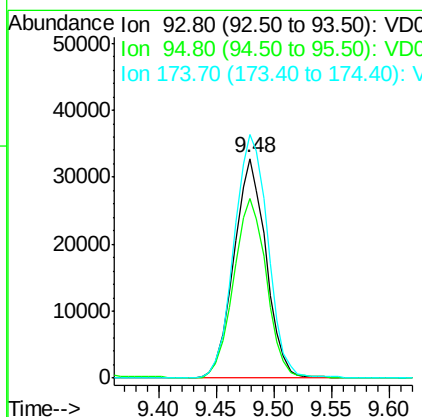
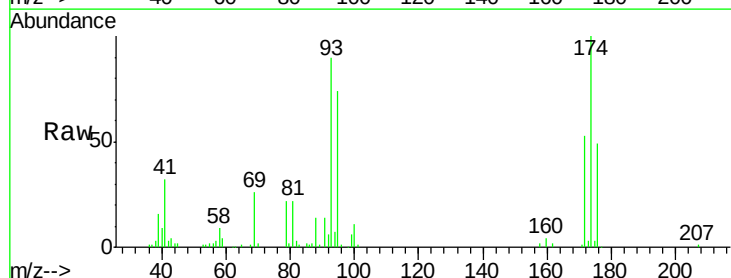
Tgt Ion: 93 Resp: 63195

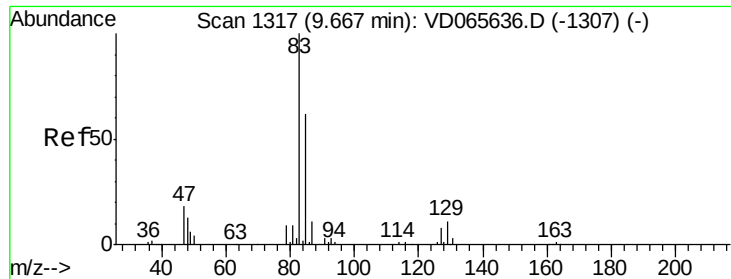
Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.2

174 116.9 94.1 141.1

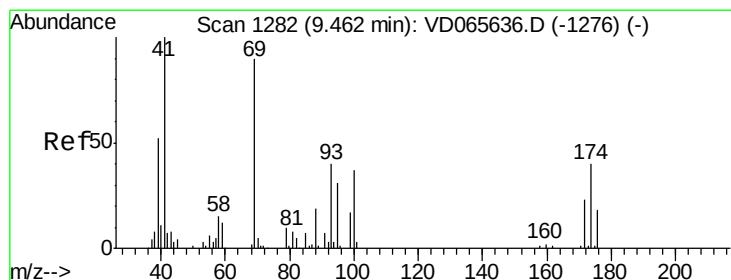
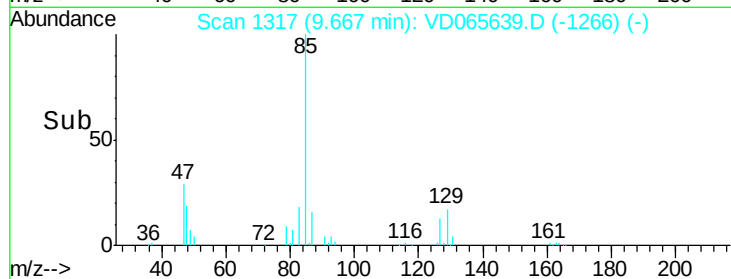
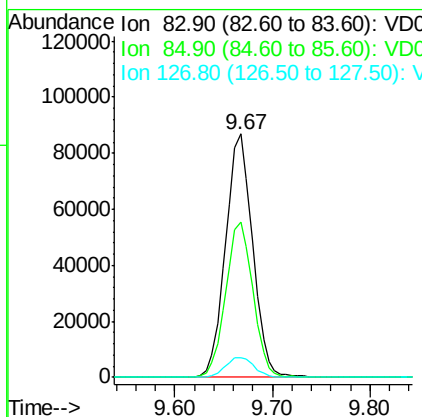
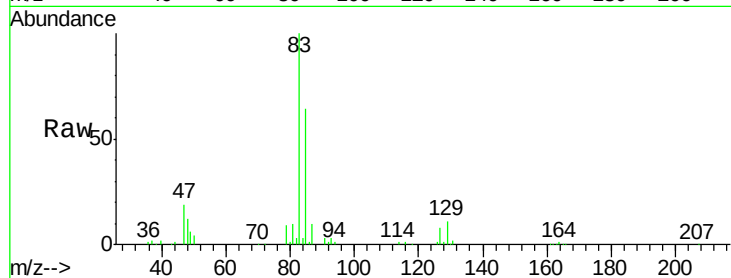




#47
Bromodichloromethane
Concen: 52.73 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

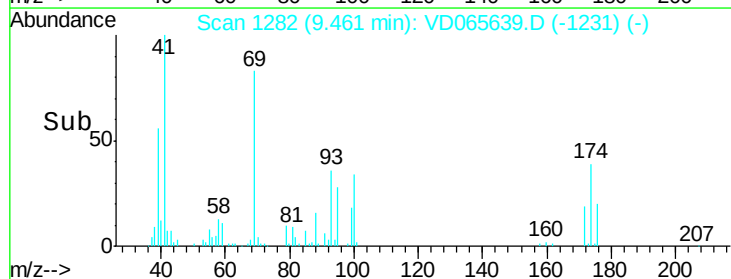
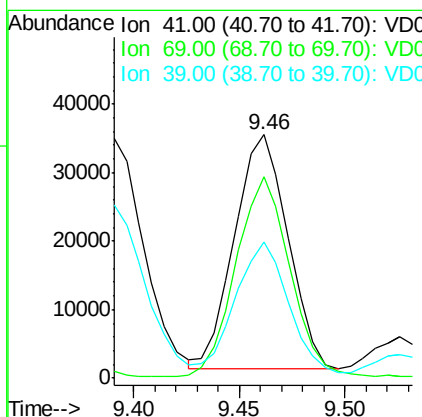
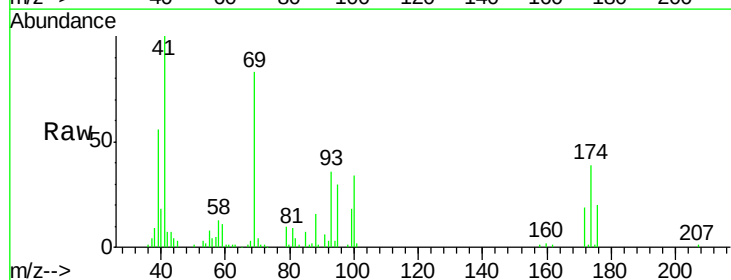
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

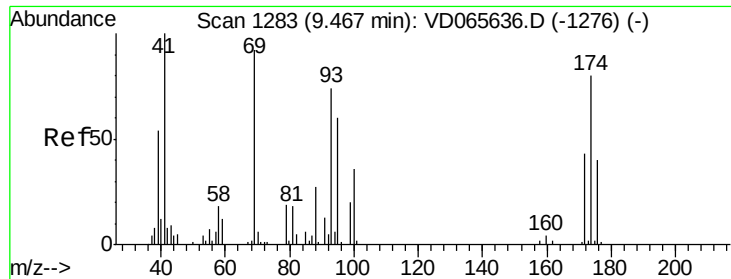
Tgt Ion: 83 Resp: 167600
Ion Ratio Lower Upper
83 100
85 63.9 49.8 74.8
127 8.1 6.6 9.8



#48
Methyl methacrylate
Concen: 47.56 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 41 Resp: 59651
Ion Ratio Lower Upper
41 100
69 89.6 66.8 100.2
39 55.1 39.6 59.4

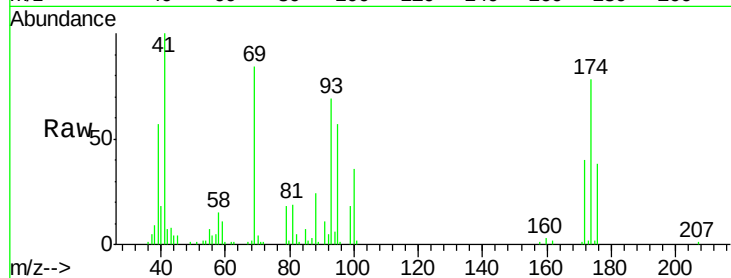




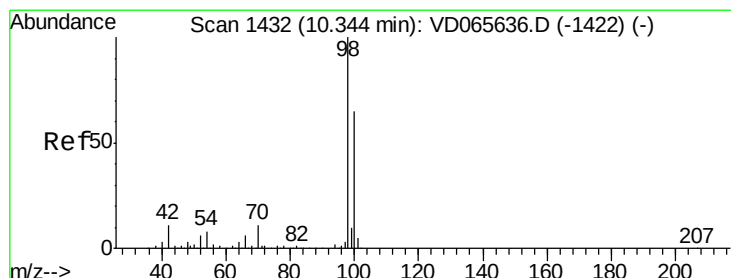
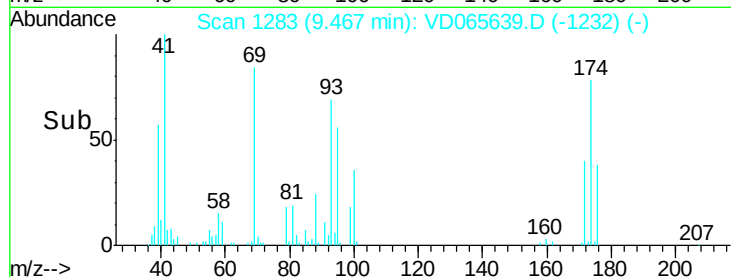
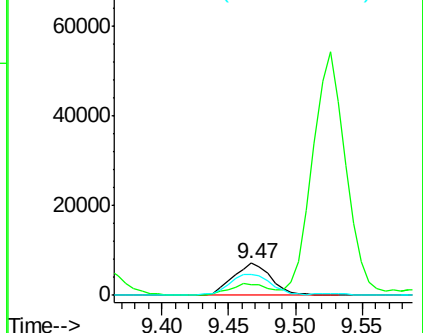
#49
1,4-Dioxane
Concen: 978.33 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tgt Ion: 88 Resp: 14200
Ion Ratio Lower Upper
88 100
43 37.1 28.1 42.1
58 72.4 55.7 83.5

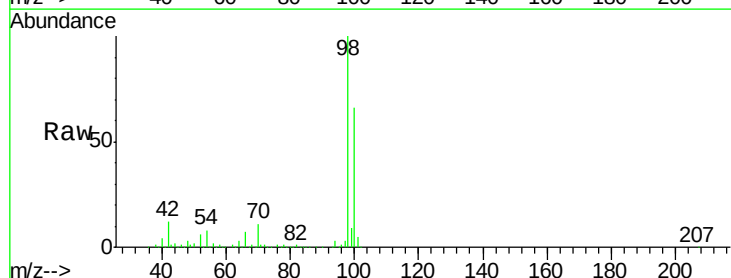


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

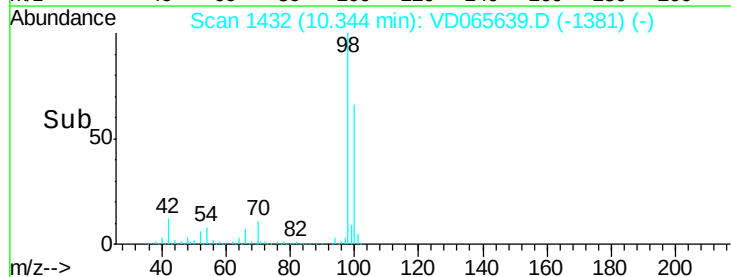
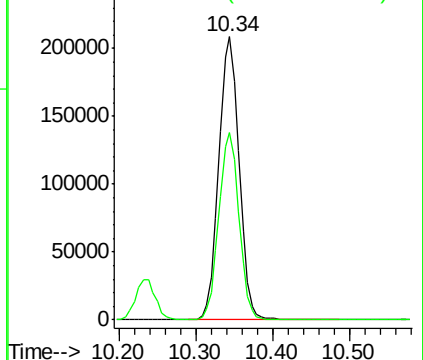


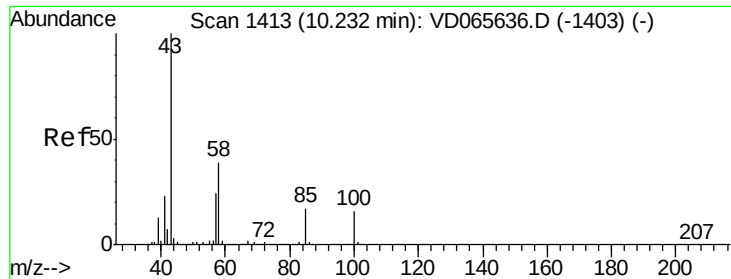
#50
Toluene-d8
Concen: 49.13 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 98 Resp: 381805
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



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





#51

4-Methyl-2-Pentanone

Concen: 248.41 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

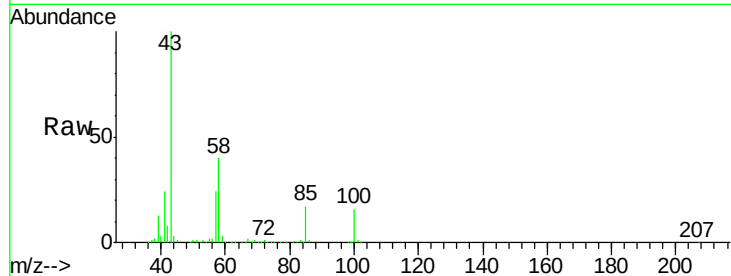
ICVVD041520

Tgt Ion: 43 Resp: 325701

Ion Ratio Lower Upper

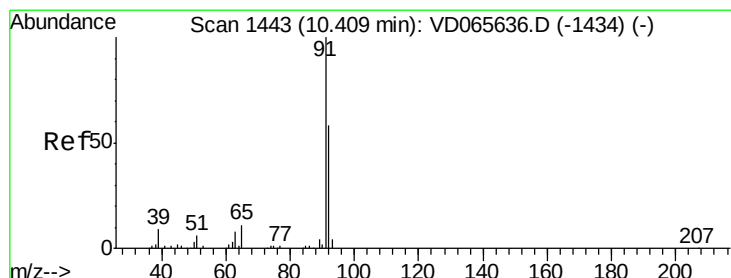
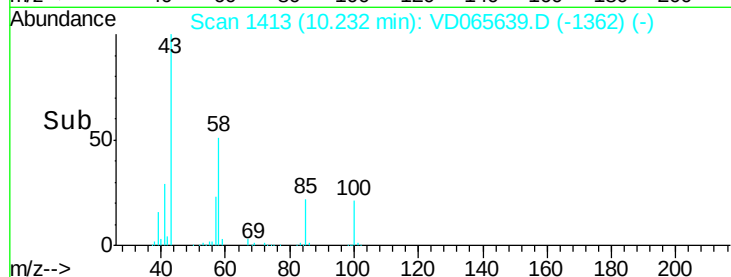
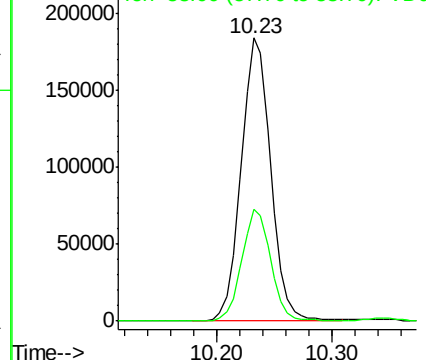
43 100

58 38.7 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.64 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065639.D

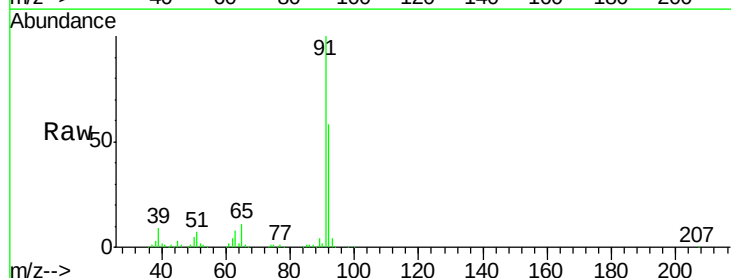
Acq: 15 Apr 2020 17:51

Tgt Ion: 92 Resp: 310957

Ion Ratio Lower Upper

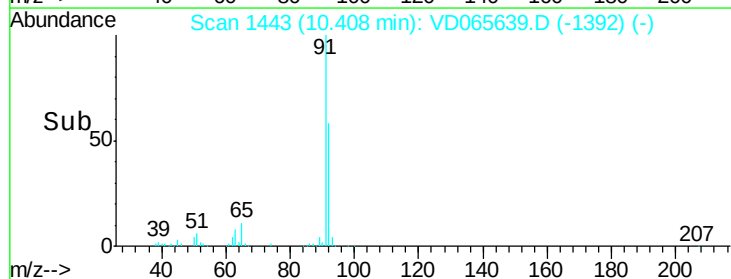
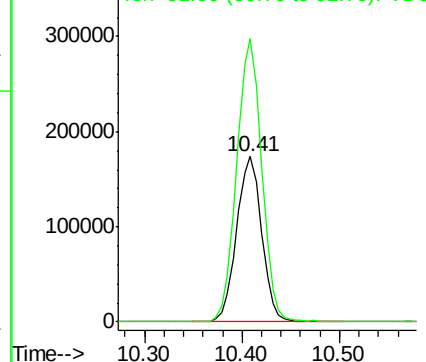
92 100

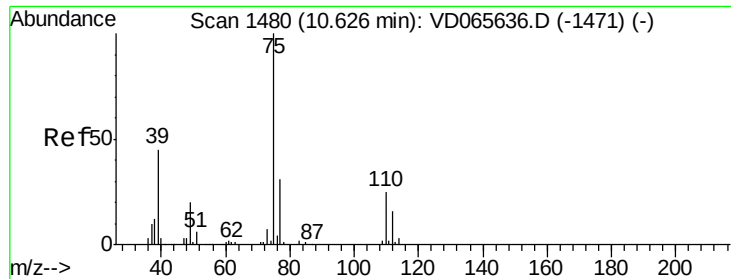
91 170.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.75 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

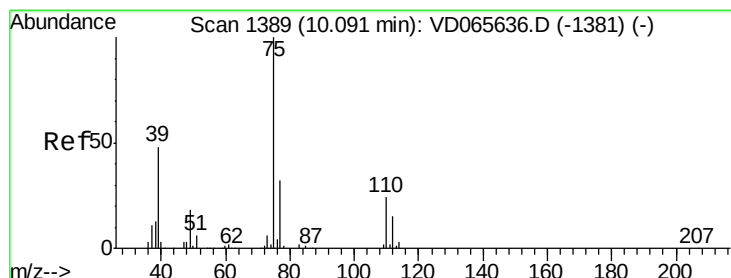
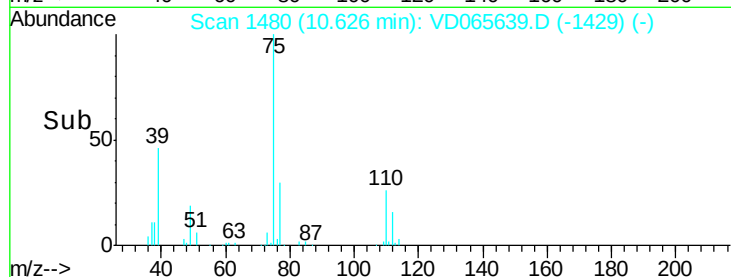
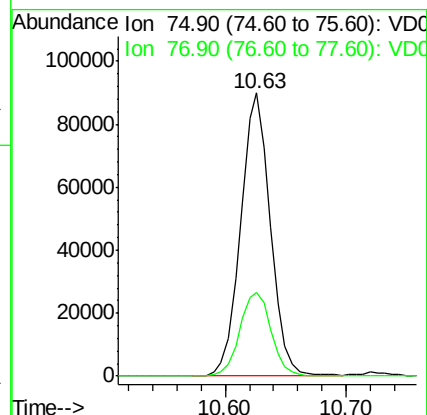
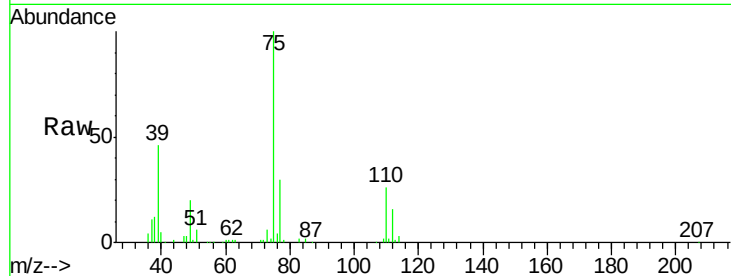
ICVVD041520

Tgt Ion: 75 Resp: 153935

Ion Ratio Lower Upper

75 100

77 29.7 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 53.05 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

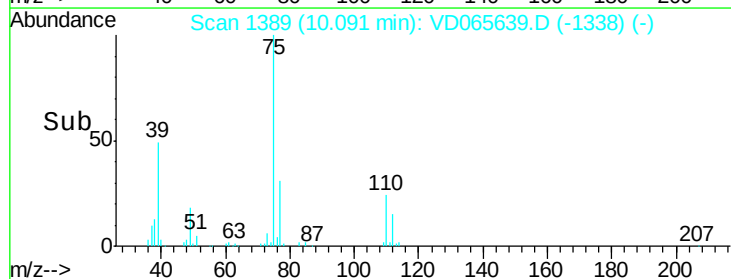
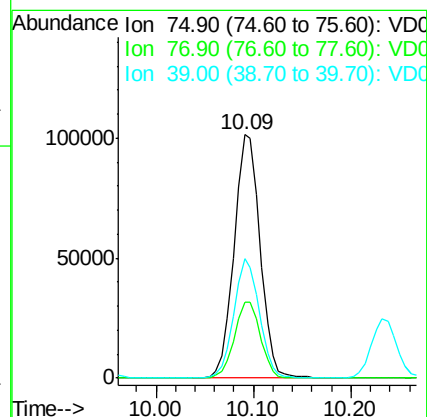
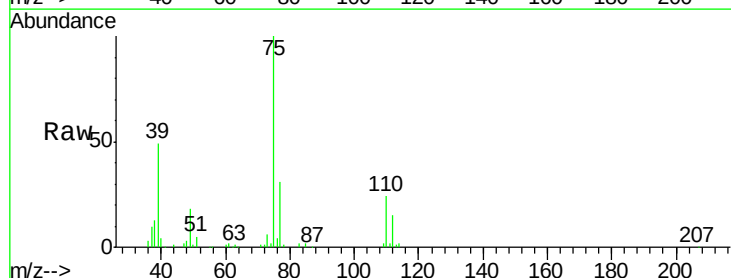
Tgt Ion: 75 Resp: 187383

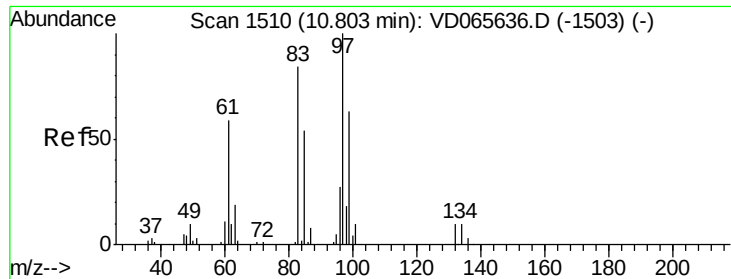
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 48.8 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 52.05 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tgt Ion: 97 Resp: 87876

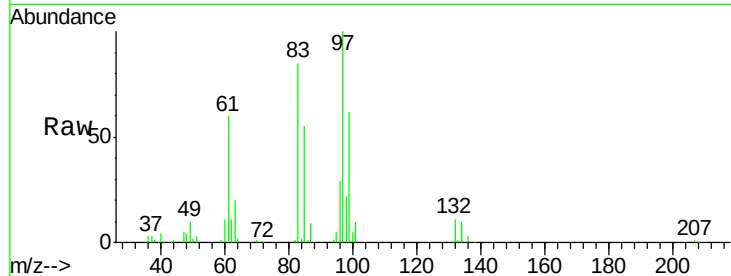
Ion Ratio Lower Upper

97 100

83 85.3 67.4 101.0

85 54.5 43.4 65.0

99 62.1 50.5 75.7

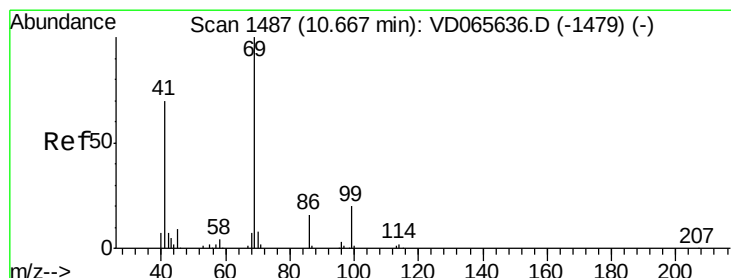
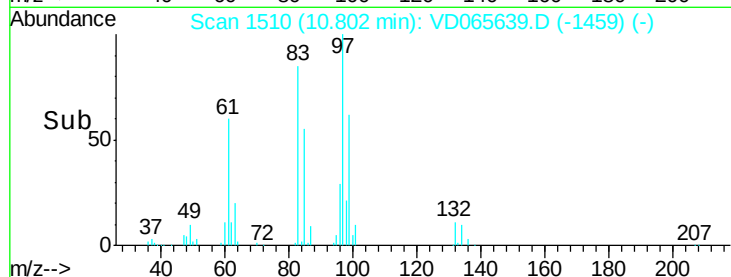
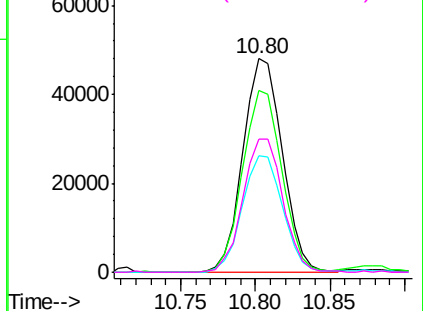


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.58 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

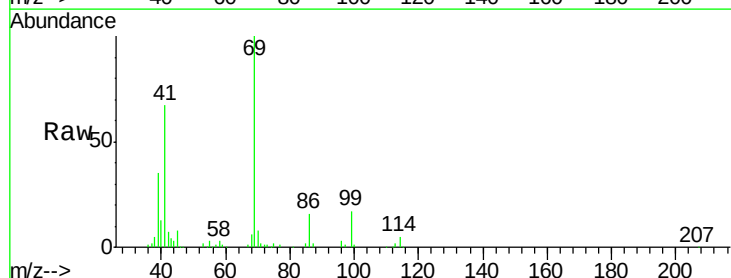
Tgt Ion: 69 Resp: 102446

Ion Ratio Lower Upper

69 100

41 69.3 56.2 84.4

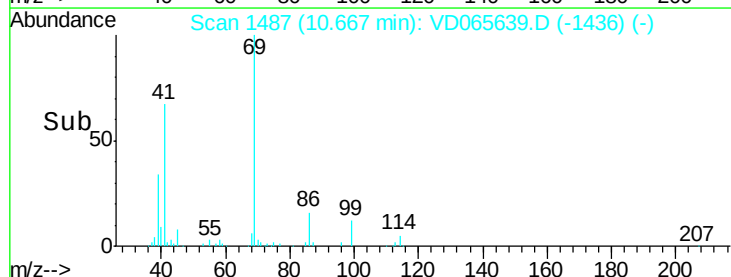
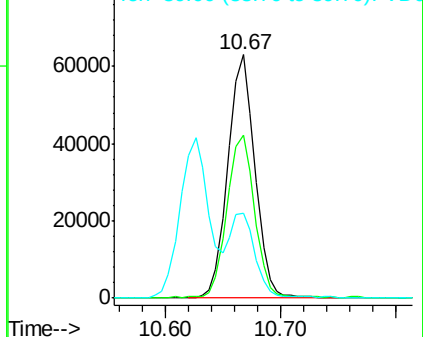
39 32.3 26.6 39.8

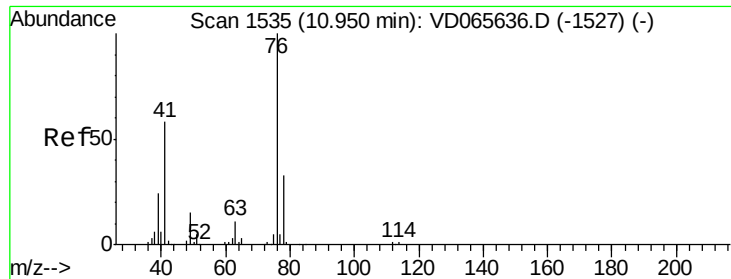


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

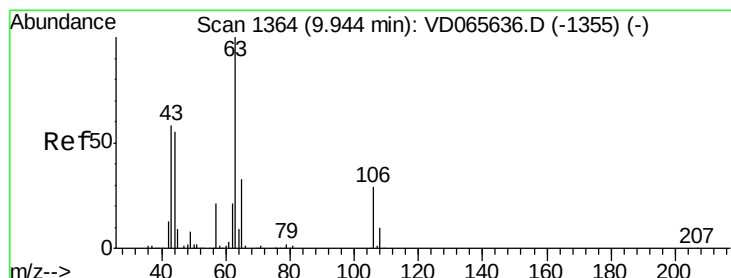
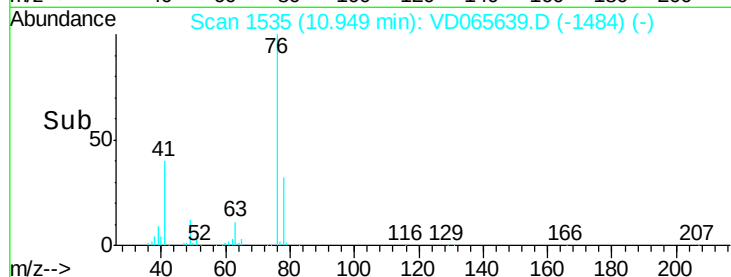
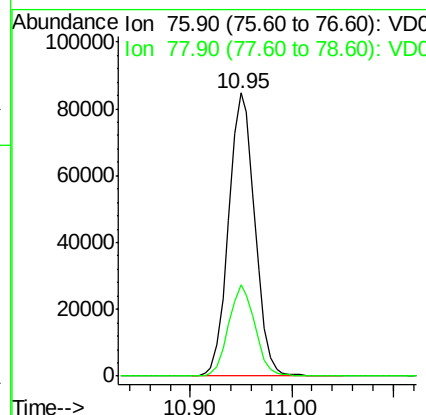
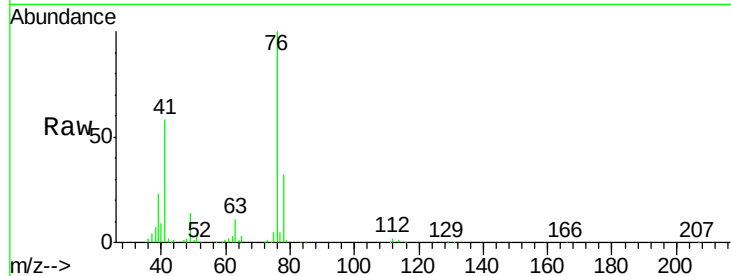




#57
 1,3-Dichloropropane
 Concen: 52.88 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

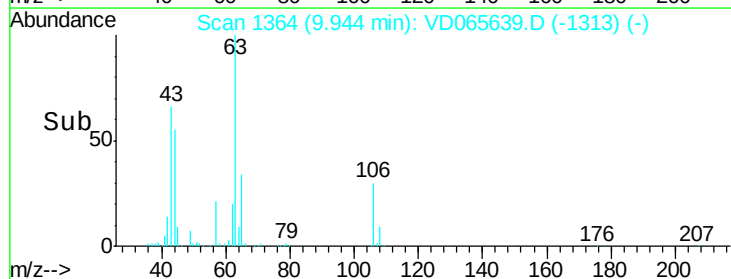
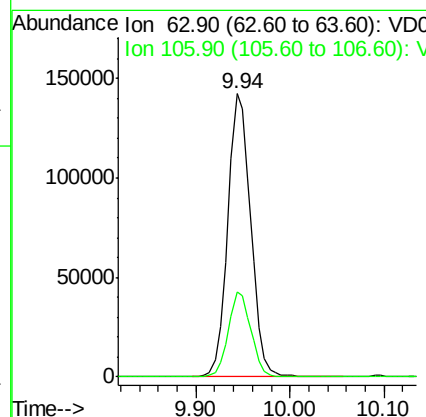
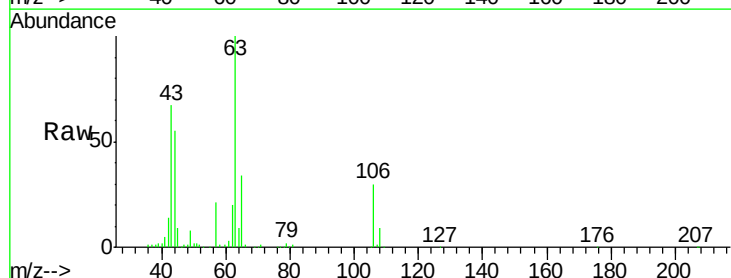
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

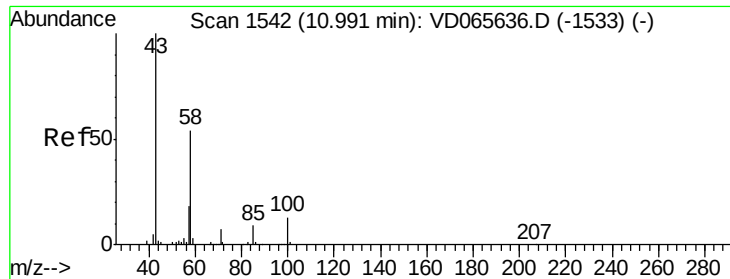
Tgt Ion: 76 Resp: 152022
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.04 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 63 Resp: 241823
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.6

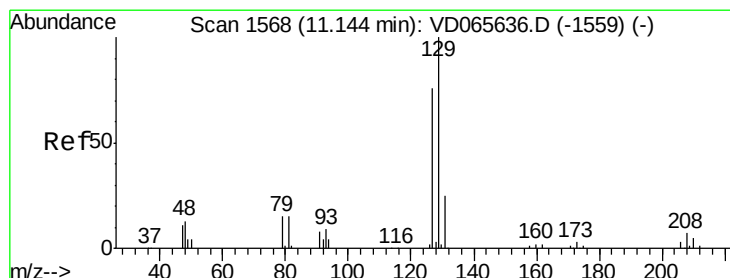
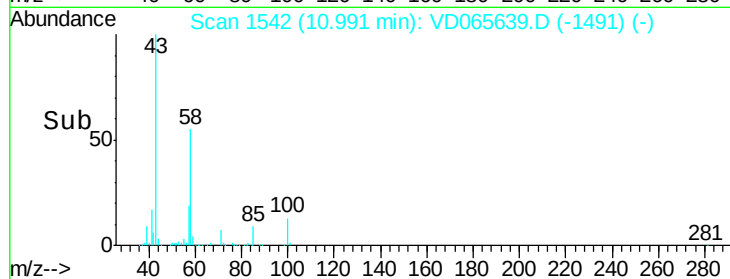
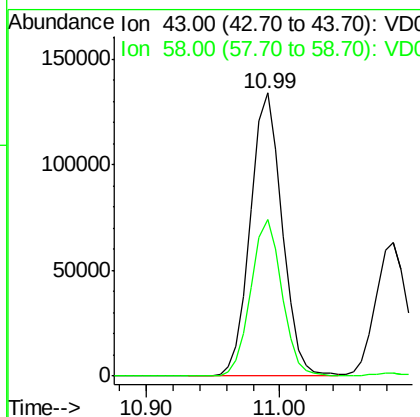
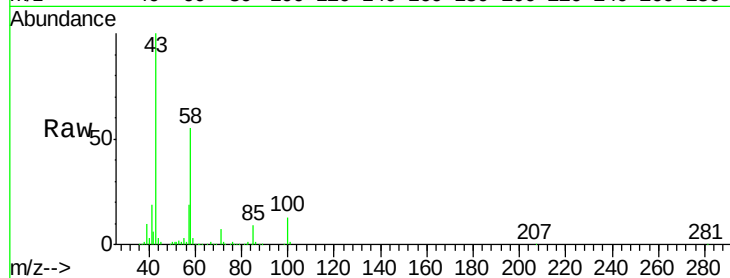




#59
2-Hexanone
Concen: 244.43 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

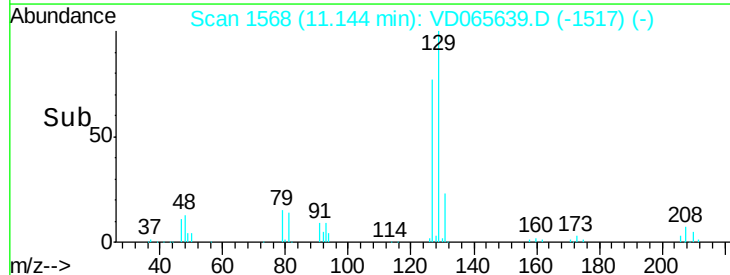
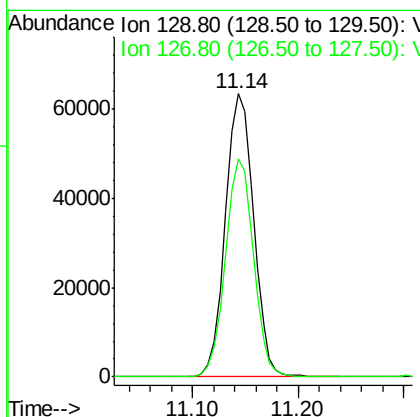
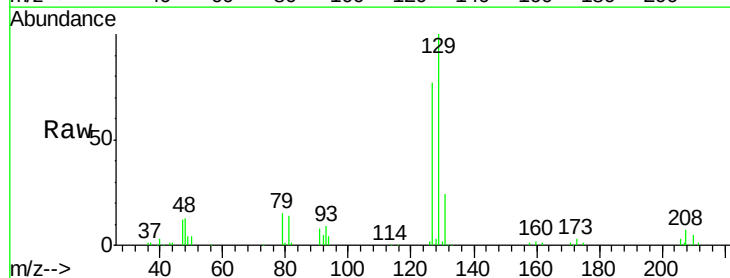
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

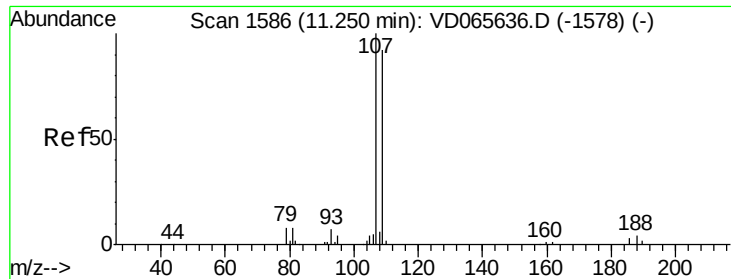
Tgt Ion: 43 Resp: 219971
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.4



#60
Dibromochloromethane
Concen: 52.82 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 129 Resp: 117436
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.3

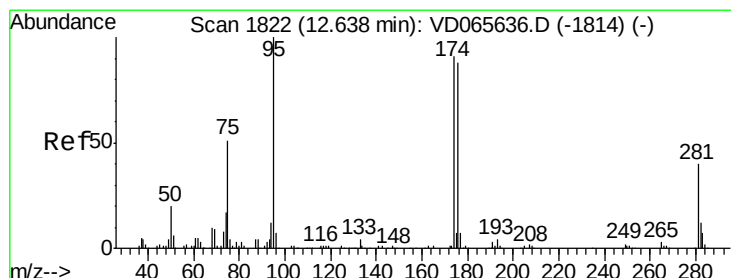
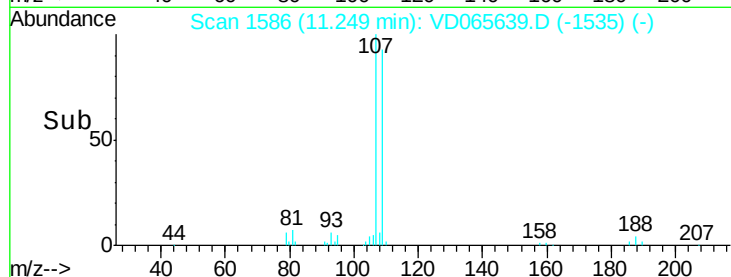
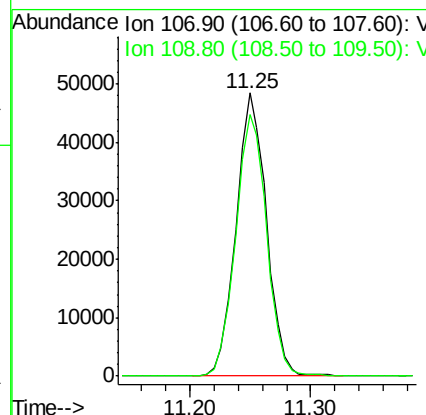
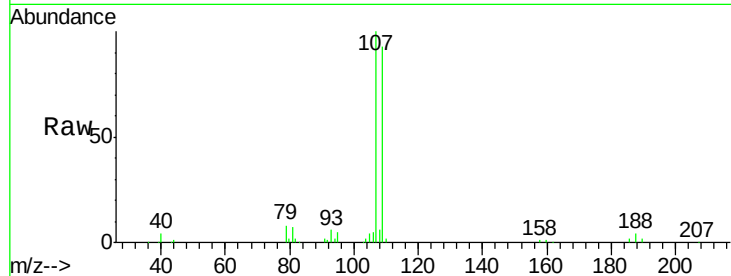




#61
 1,2-Dibromoethane
 Concen: 52.26 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

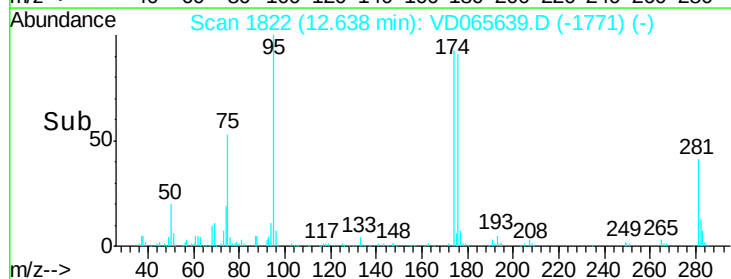
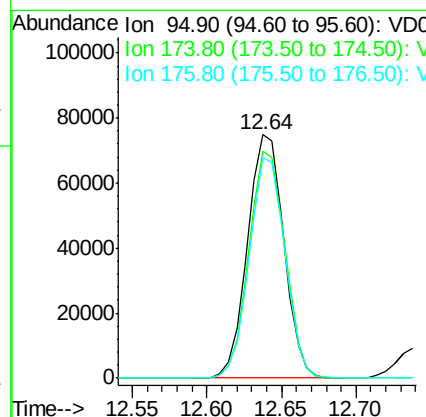
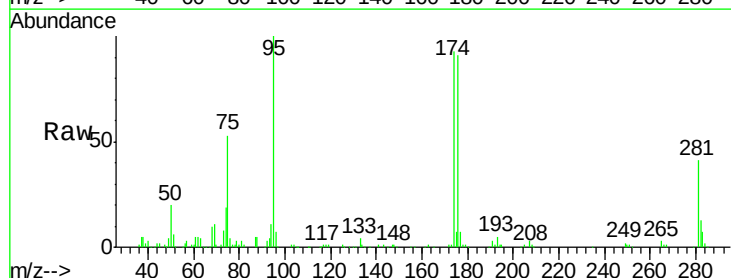
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

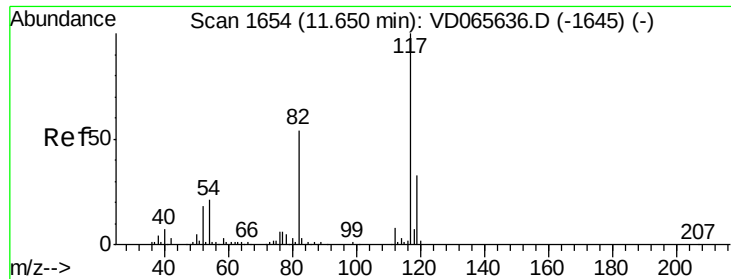
Tgt Ion: 107 Resp: 84891
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.51 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 95 Resp: 125443
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 183.8
 176 89.4 0.0 181.4

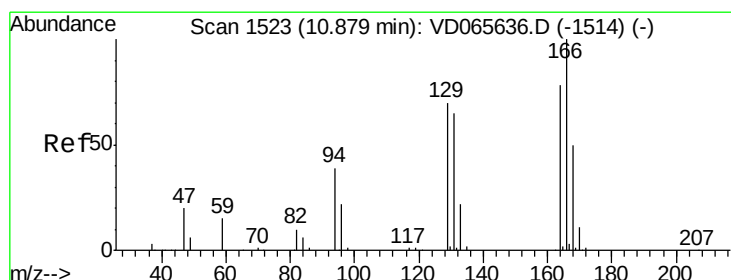
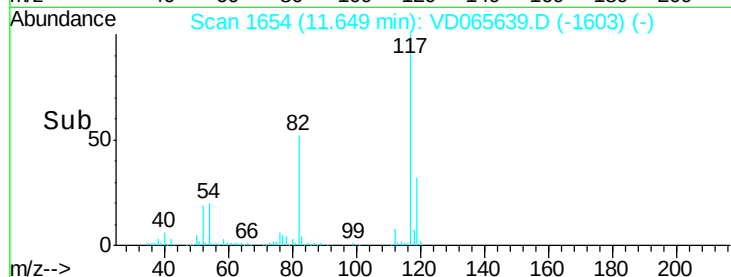
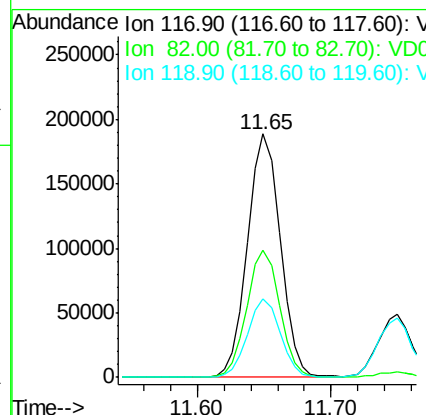
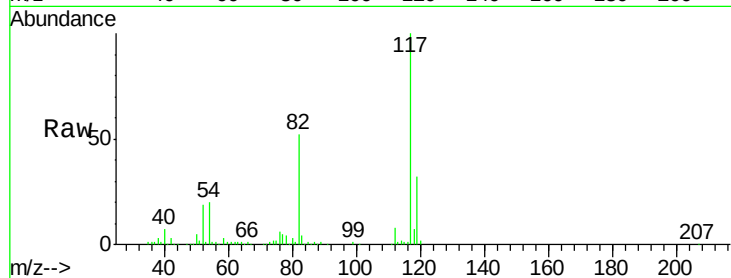




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

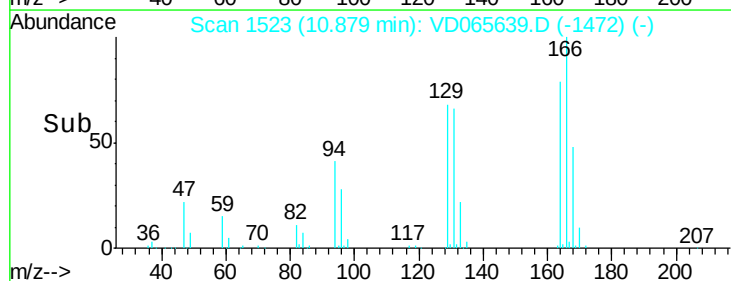
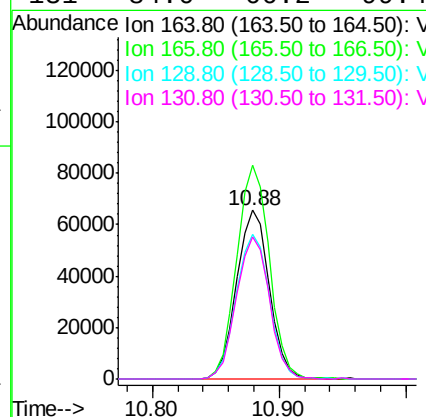
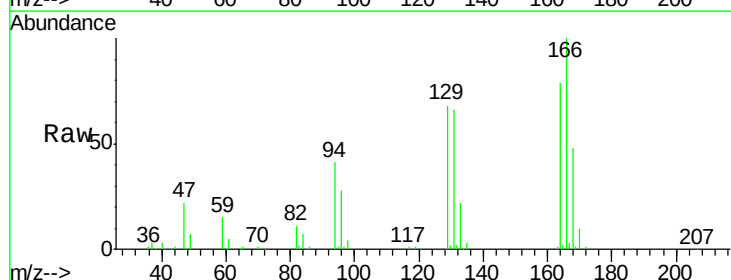
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

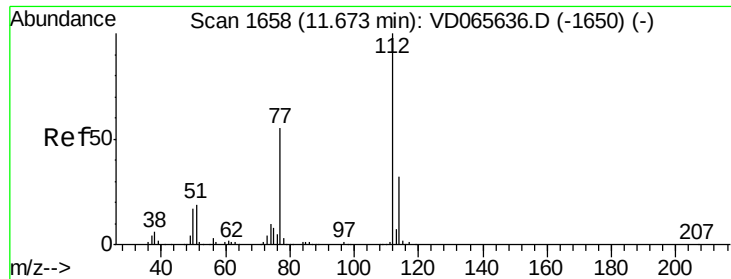
Tgt Ion:117 Resp: 321802
Ion Ratio Lower Upper
117 100
82 52.1 43.2 64.8
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 50.76 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:164 Resp: 117200
Ion Ratio Lower Upper
164 100
166 126.5 102.3 153.5
129 85.7 71.7 107.5
131 84.0 66.2 99.4

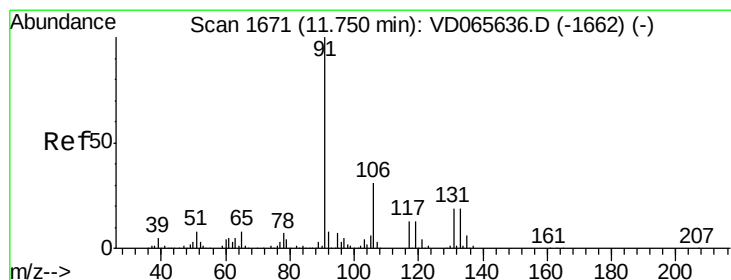
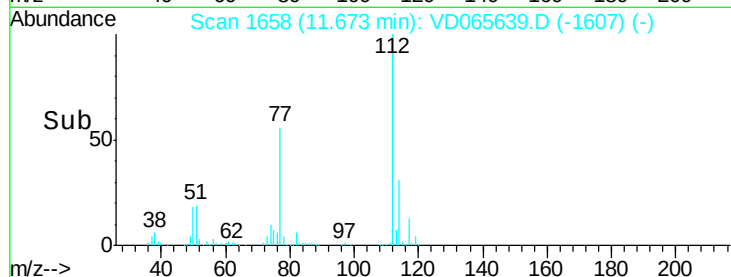
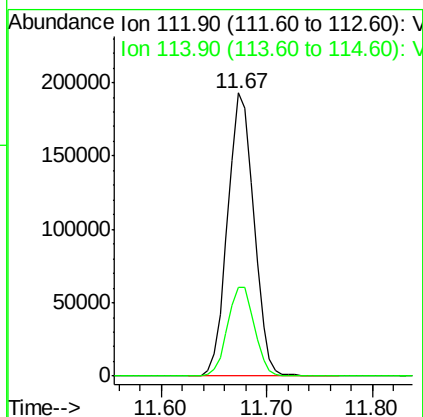
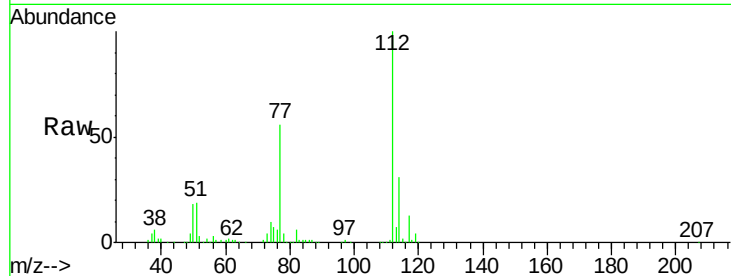




#65
Chlorobenzene
Concen: 52.01 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

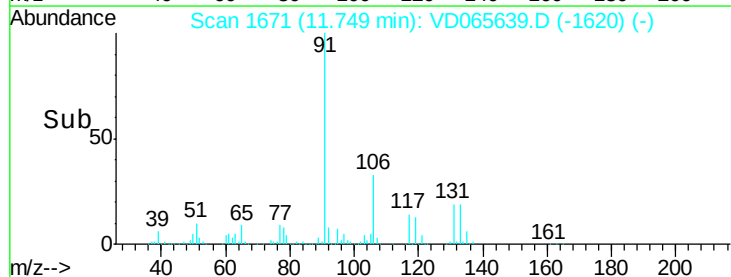
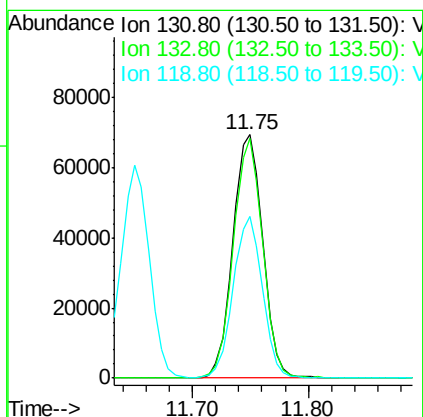
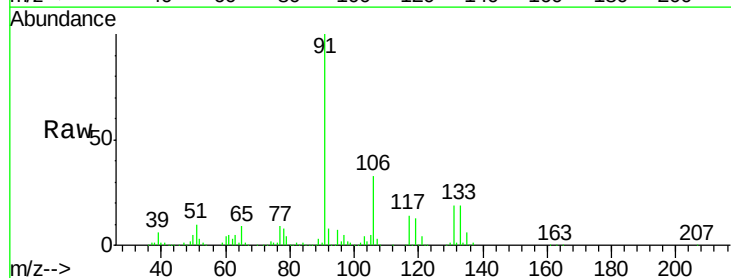
Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

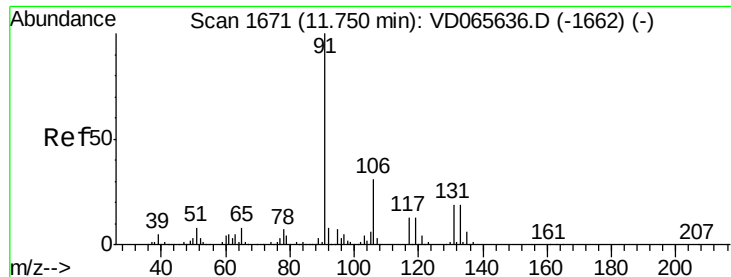
Tgt Ion:112 Resp: 331374
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.15 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:131 Resp: 124604
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 65.0 32.6 97.7





#67

Ethyl Benzene

Concen: 52.98 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

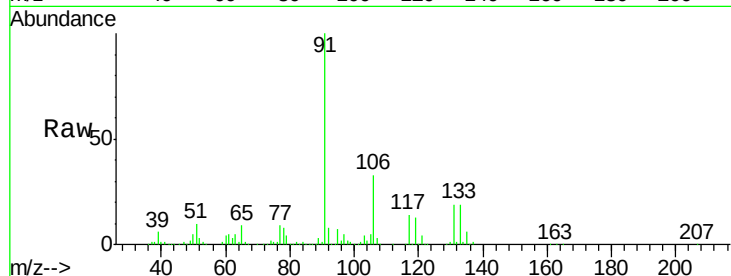
ICVVD041520

Tgt Ion: 91 Resp: 576931

Ion Ratio Lower Upper

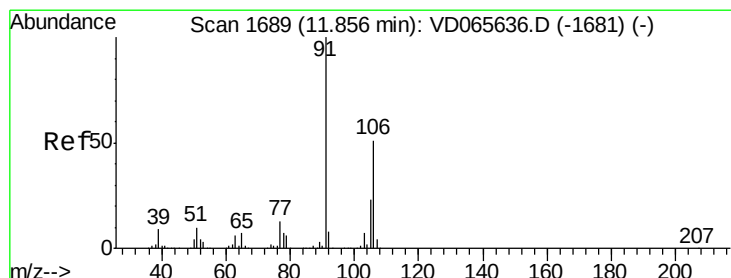
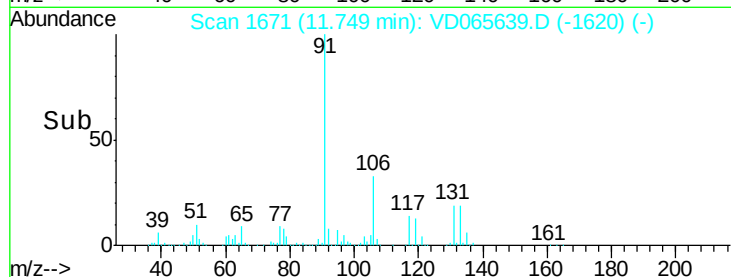
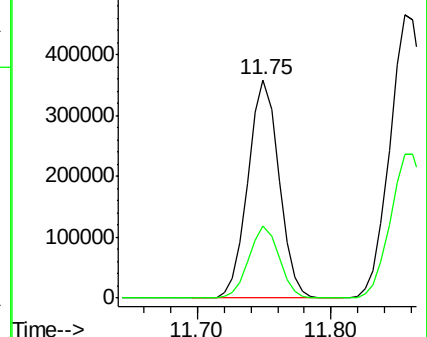
91 100

106 32.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.53 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065639.D

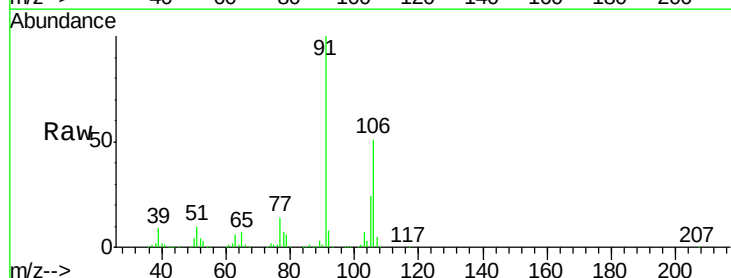
Acq: 15 Apr 2020 17:51

Tgt Ion: 106 Resp: 456567

Ion Ratio Lower Upper

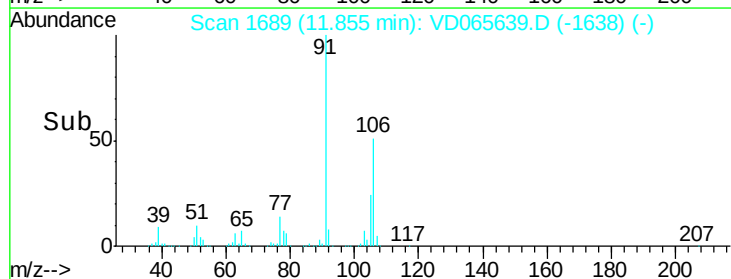
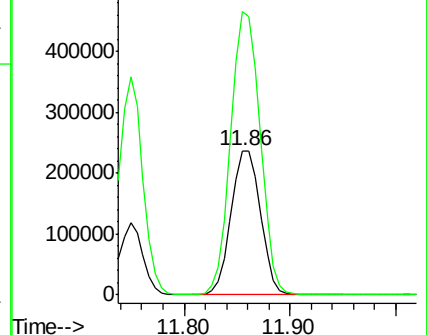
106 100

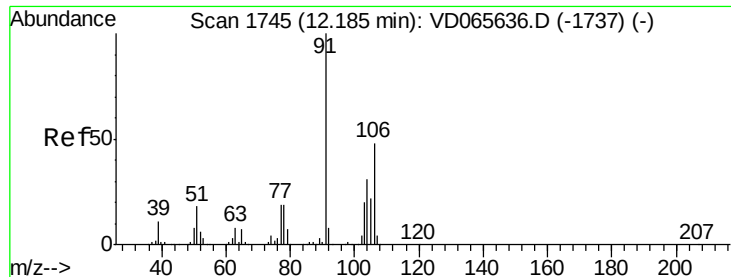
91 196.4 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

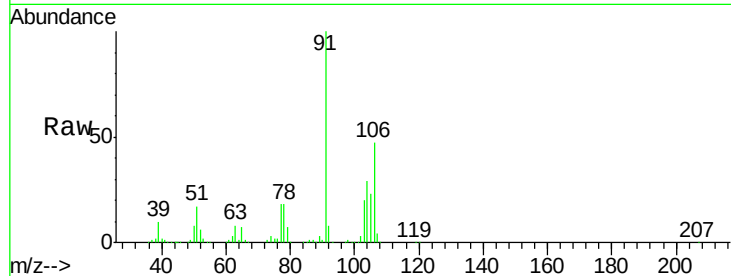




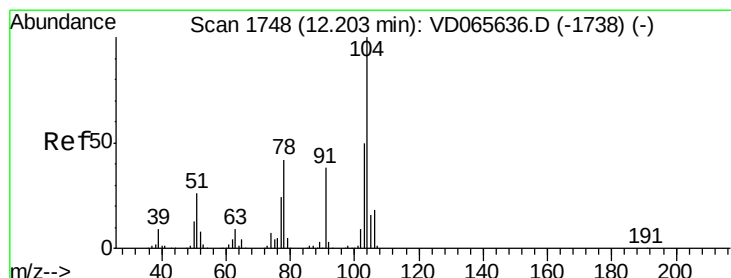
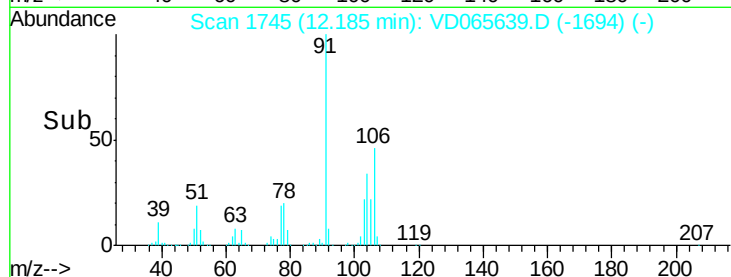
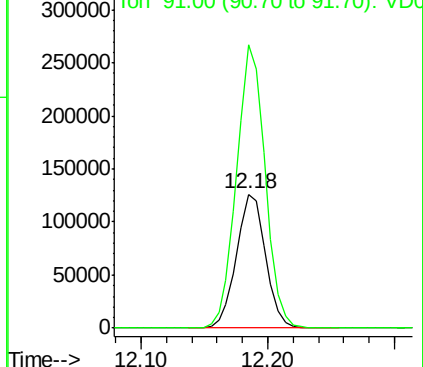
#69
o-Xylene
Concen: 54.27 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tgt Ion:106 Resp: 200298
Ion Ratio Lower Upper
106 100
91 208.4 103.6 310.9

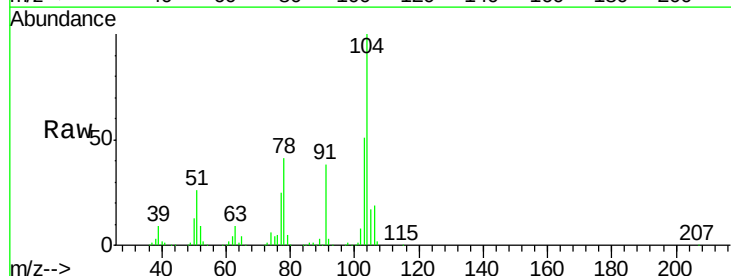


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

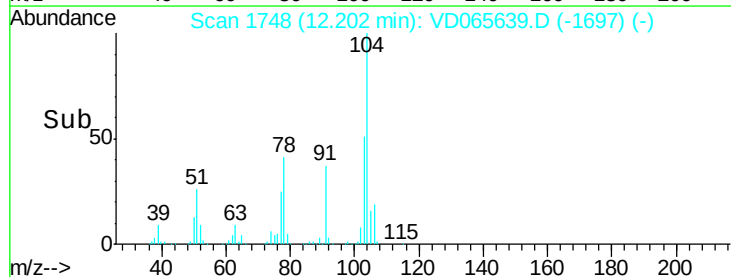
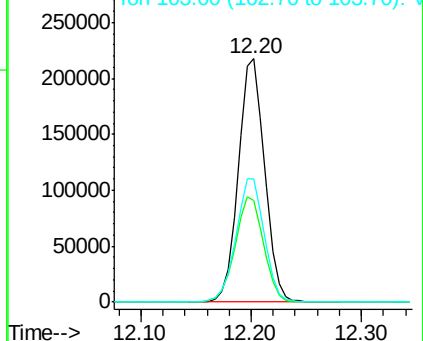


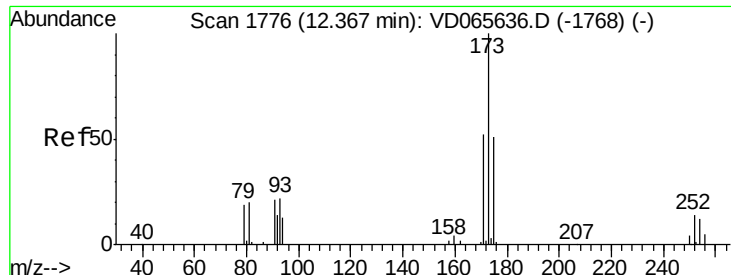
#70
Styrene
Concen: 55.89 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:104 Resp: 365158
Ion Ratio Lower Upper
104 100
78 46.7 37.5 56.3
103 54.6 43.4 65.0



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

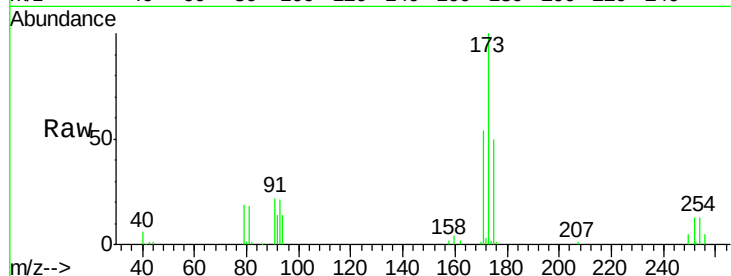




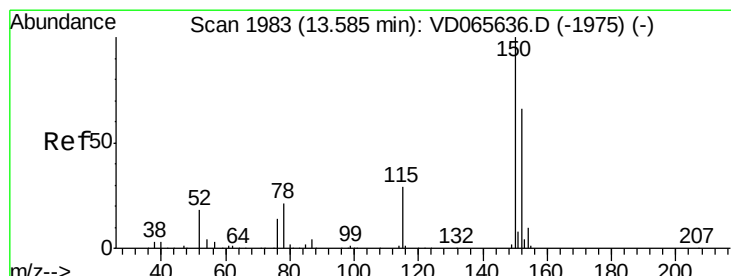
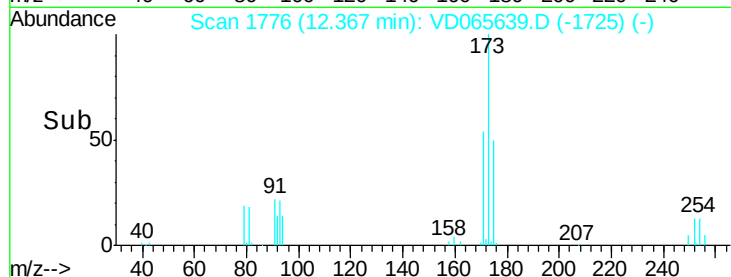
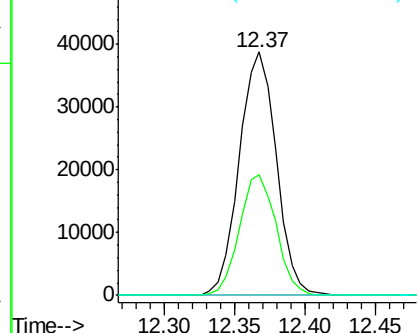
#71
Bromoform
Concen: 51.96 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tgt Ion:173 Resp: 71107
Ion Ratio Lower Upper
173 100
175 49.1 25.1 75.2
254 0.0 0.0 0.0

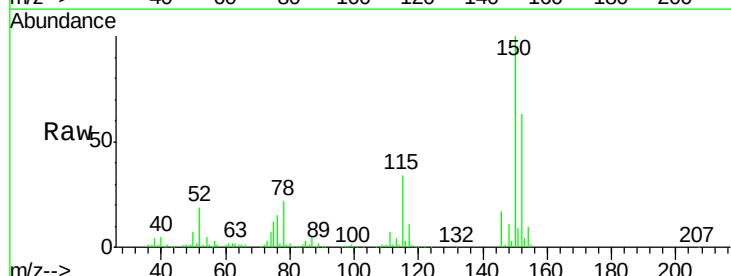


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

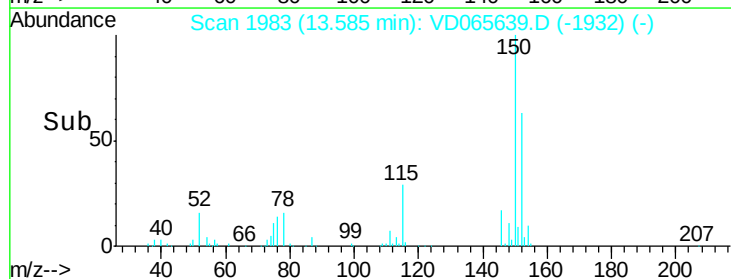
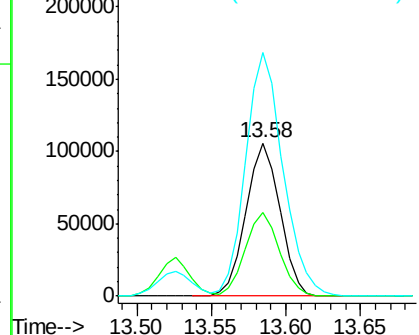


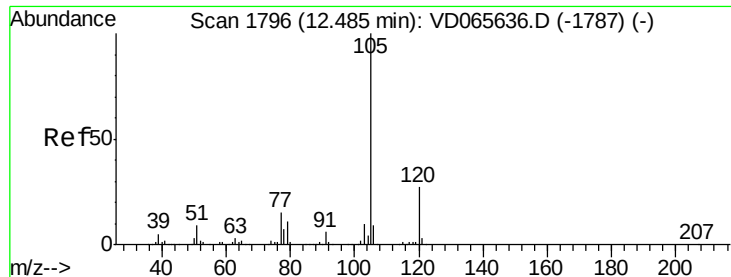
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:152 Resp: 166893
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.7
150 174.8 0.0 346.0



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: 54.09 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

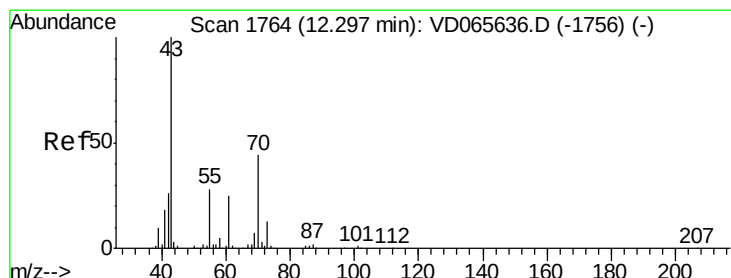
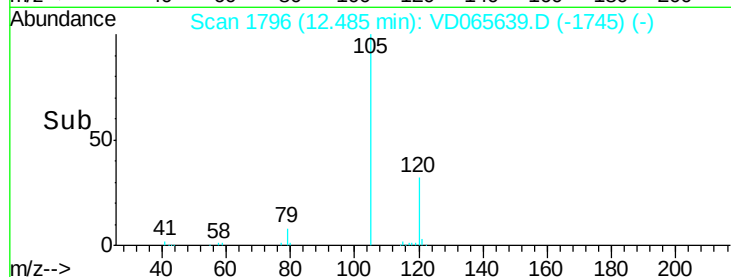
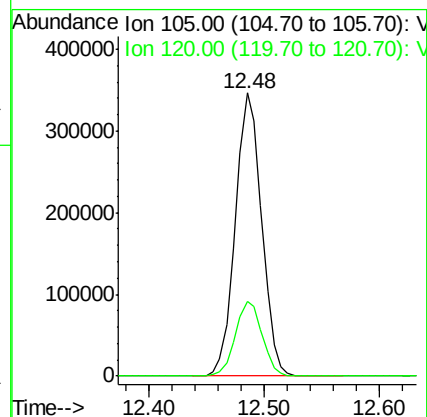
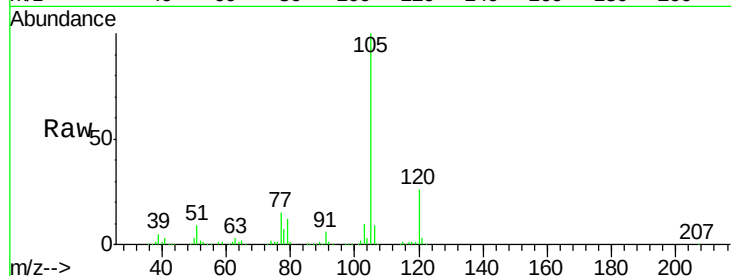
ICVVD041520

Tgt Ion: 105 Resp: 544478

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 48.28 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion: 43 Resp: 113639

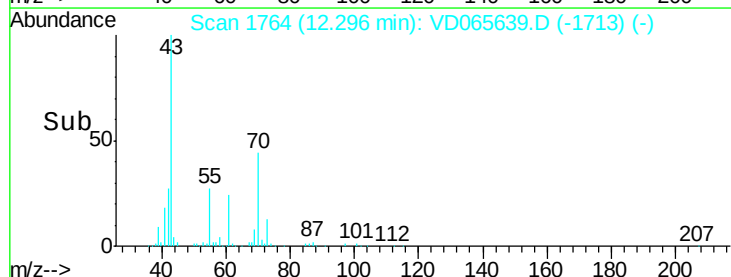
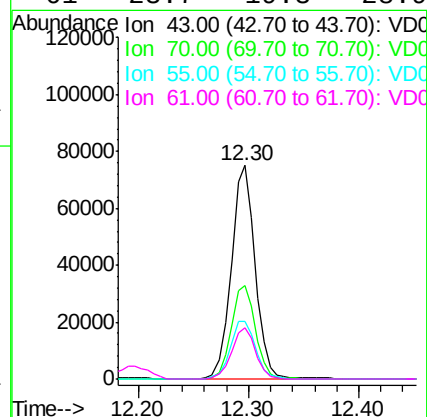
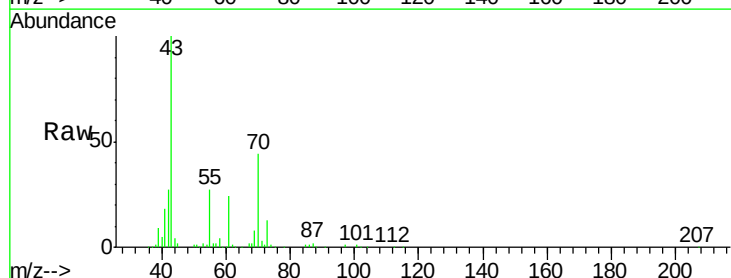
Ion Ratio Lower Upper

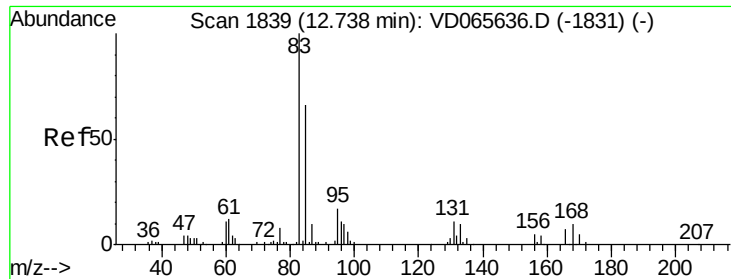
43 100

70 44.0 35.4 53.0

55 28.7 22.2 33.2

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.17 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

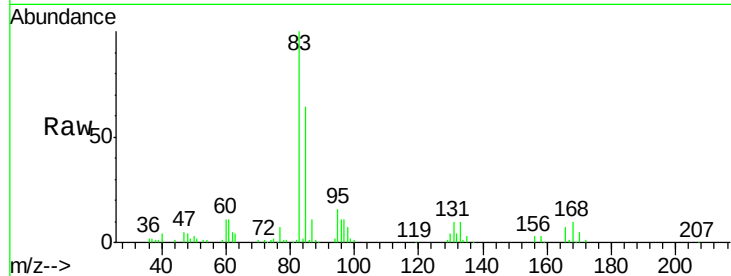
Tgt Ion: 83 Resp: 93524

Ion Ratio Lower Upper

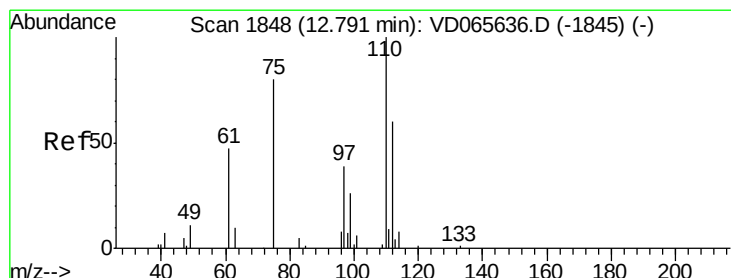
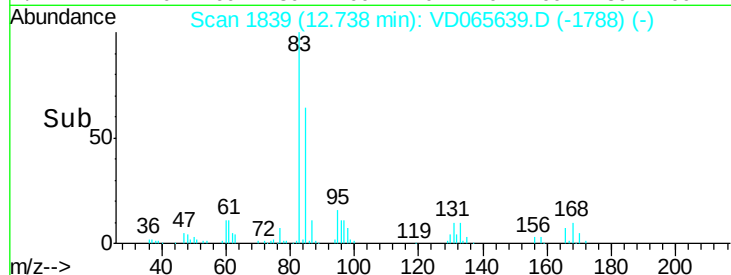
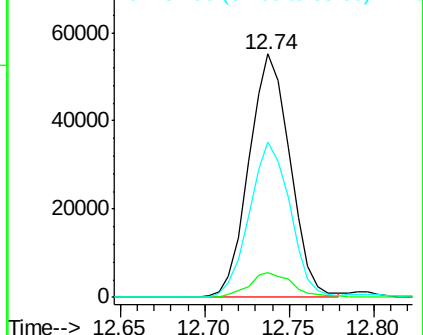
83 100

131 10.8 5.7 17.0

85 63.1 32.5 97.4



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: 89.89 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065639.D

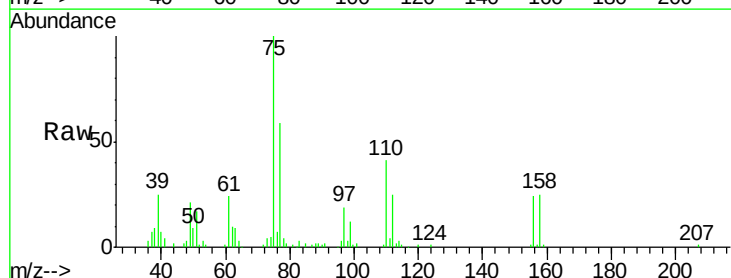
Acq: 15 Apr 2020 17:51

Tgt Ion: 75 Resp: 120621

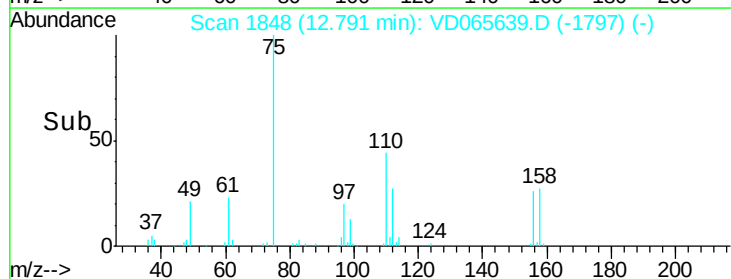
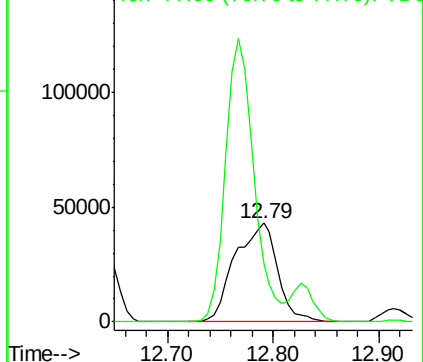
Ion Ratio Lower Upper

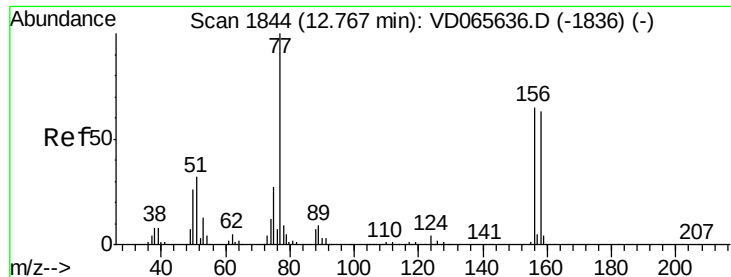
75 100

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: 51.84 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

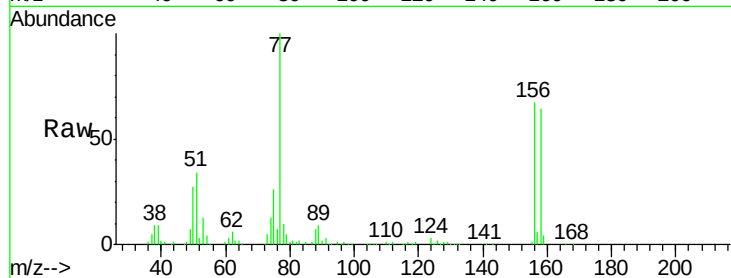
Tgt Ion:156 Resp: 138580

Ion Ratio Lower Upper

156 100

77 166.2 84.7 254.1

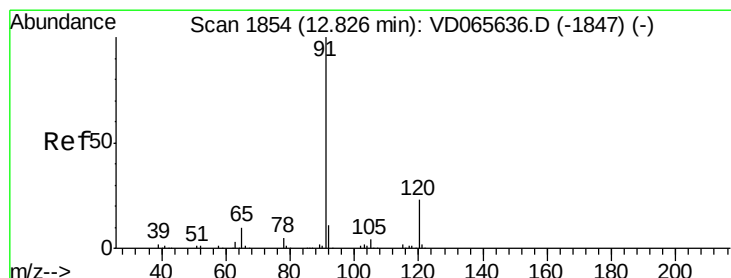
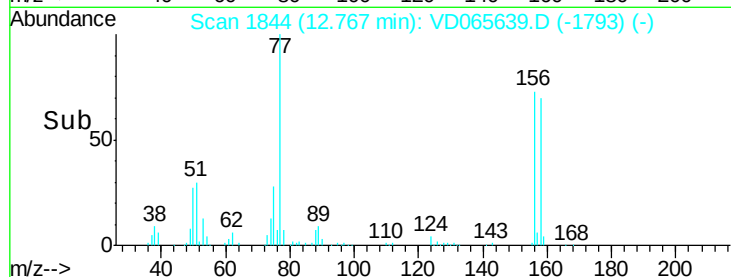
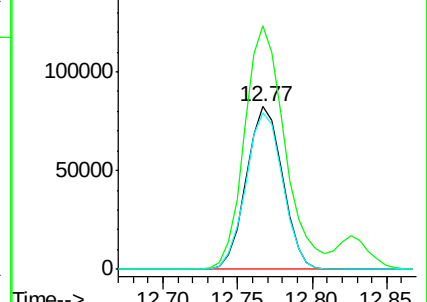
158 97.8 48.5 145.5



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: 53.52 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065639.D

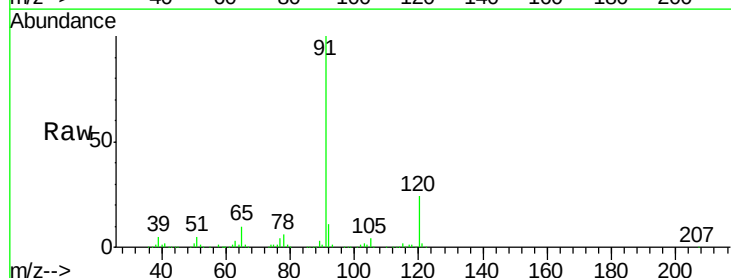
Acq: 15 Apr 2020 17:51

Tgt Ion: 91 Resp: 651661

Ion Ratio Lower Upper

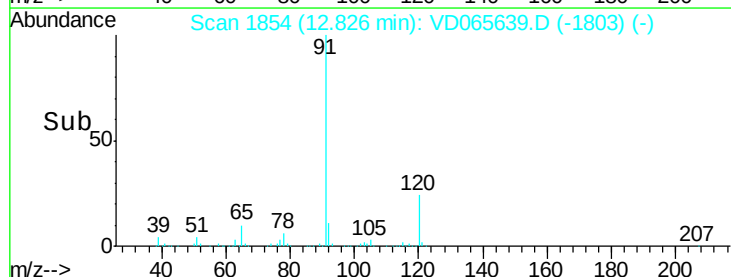
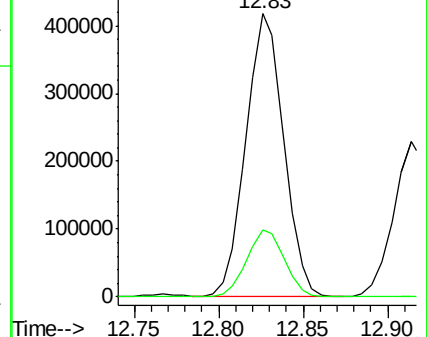
91 100

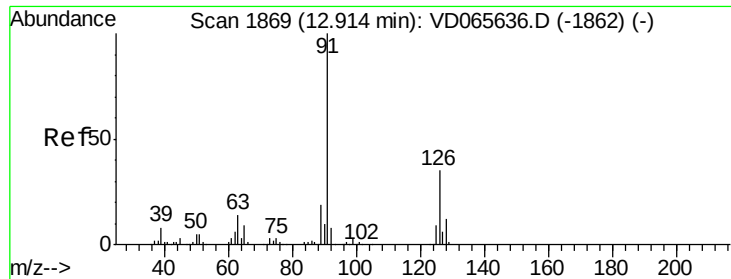
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.50 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

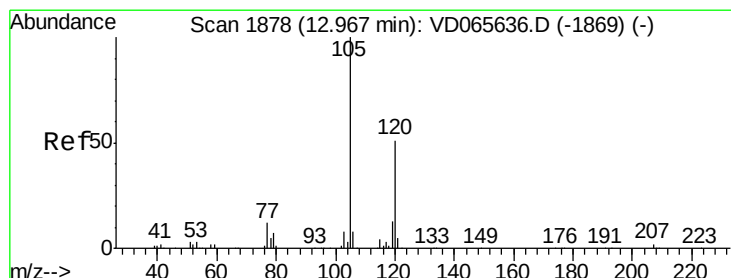
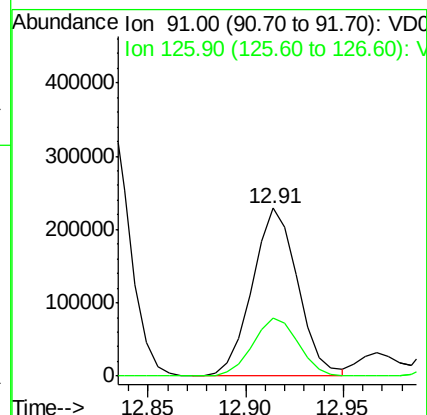
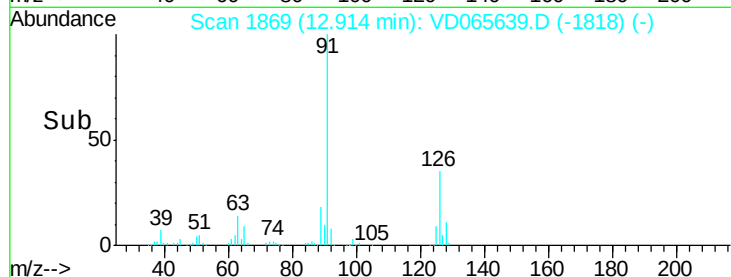
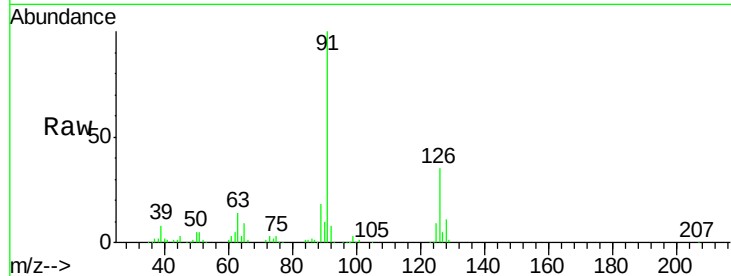
ICVVD041520

Tgt Ion: 91 Resp: 369955

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 53.65 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065639.D

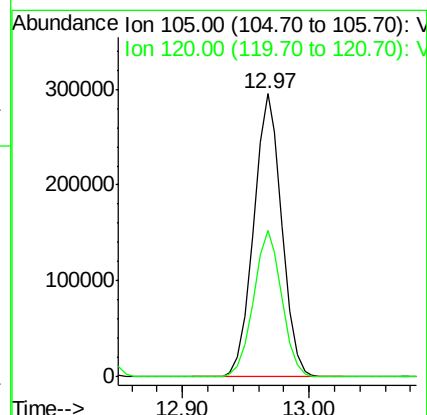
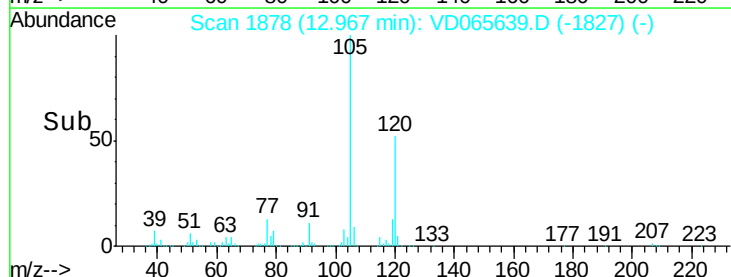
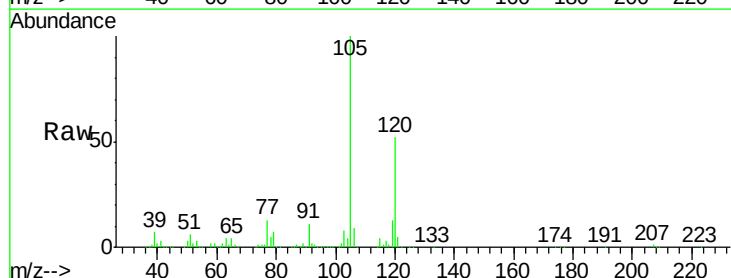
Acq: 15 Apr 2020 17:51

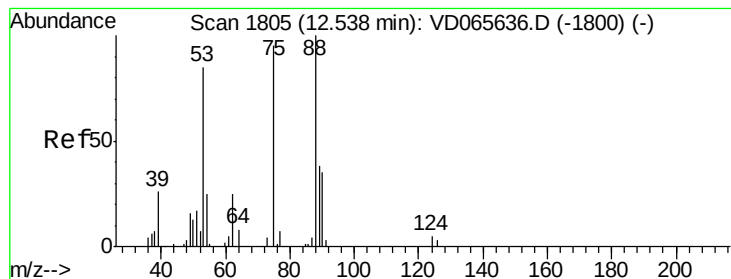
Tgt Ion: 105 Resp: 455722

Ion Ratio Lower Upper

105 100

120 51.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 52.24 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

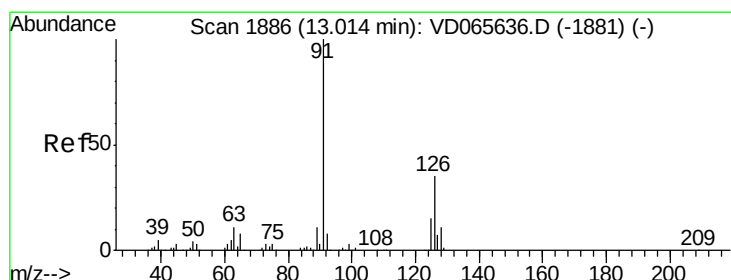
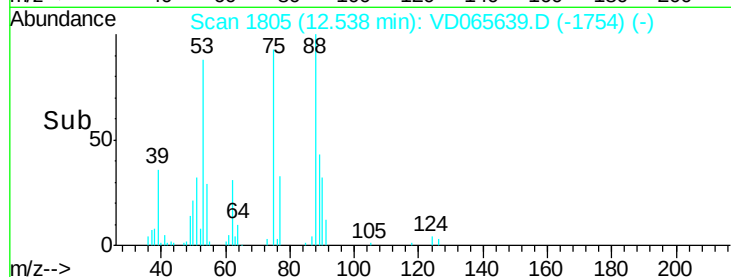
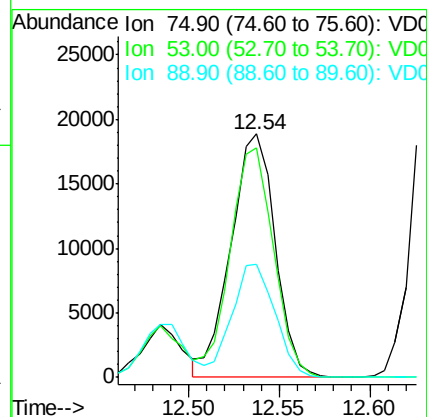
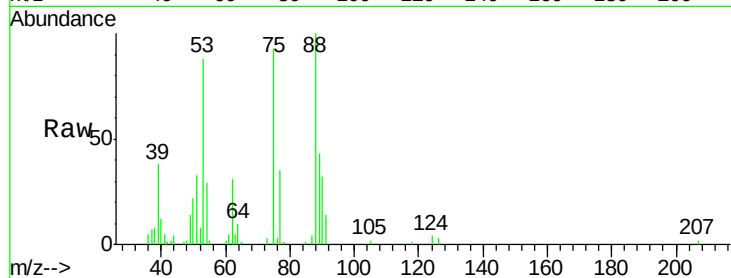
Tgt Ion: 75 Resp: 31987

Ion Ratio Lower Upper

75 100

53 92.9 76.8 115.2

89 45.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 52.22 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065639.D

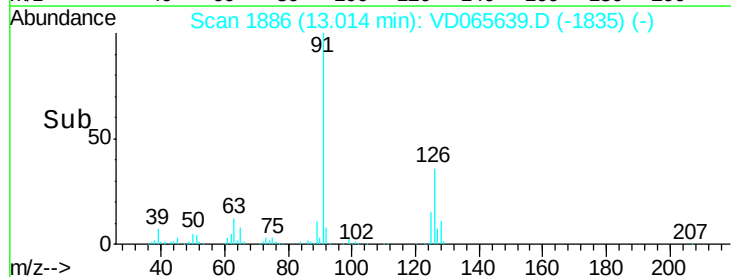
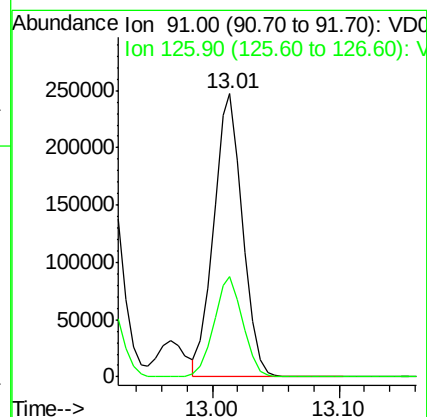
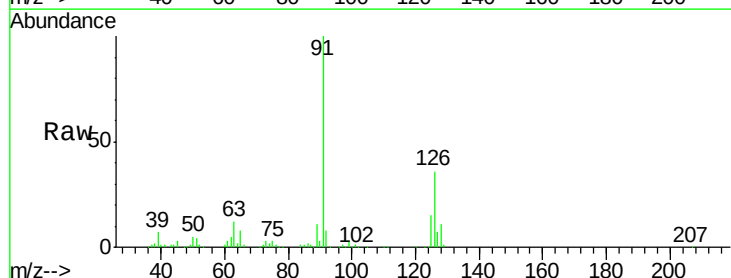
Acq: 15 Apr 2020 17:51

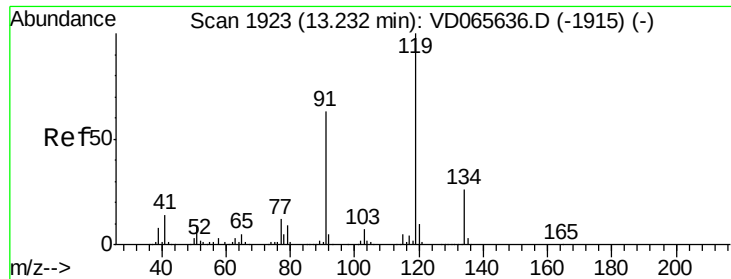
Tgt Ion: 91 Resp: 388608

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.6

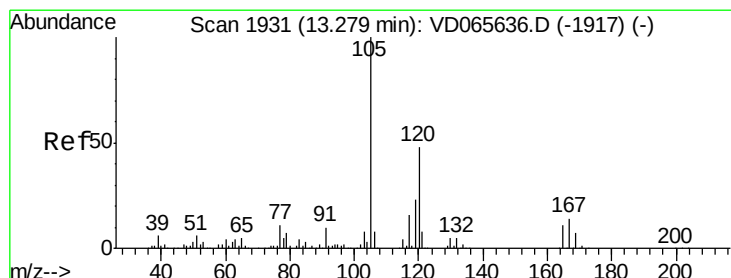
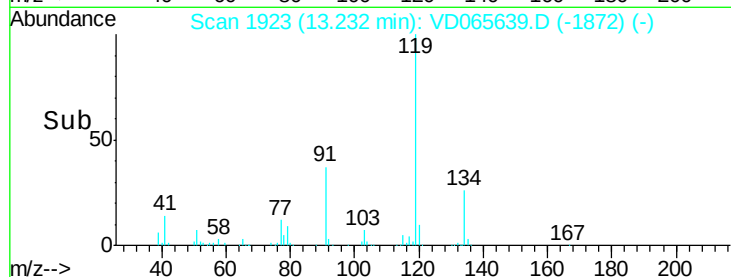
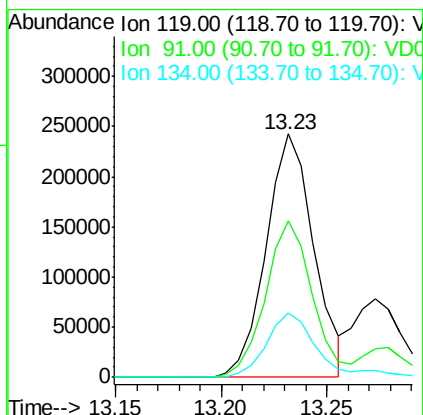
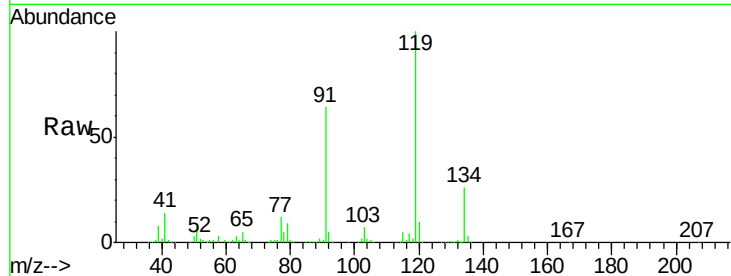




#83
 tert-Butylbenzene
 Concen: 53.54 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

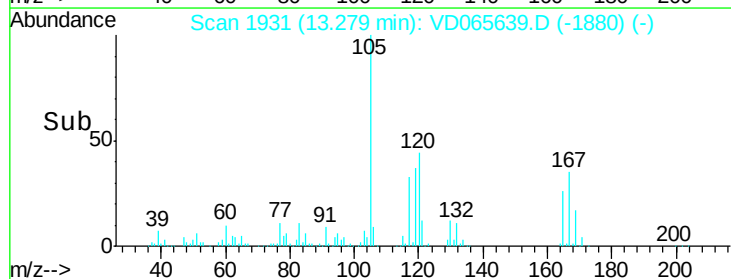
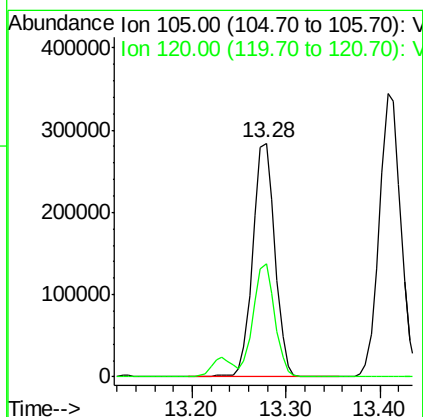
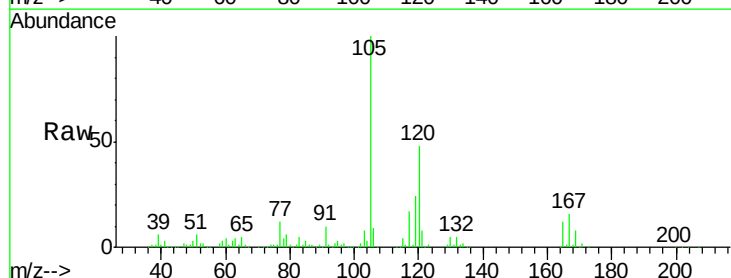
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

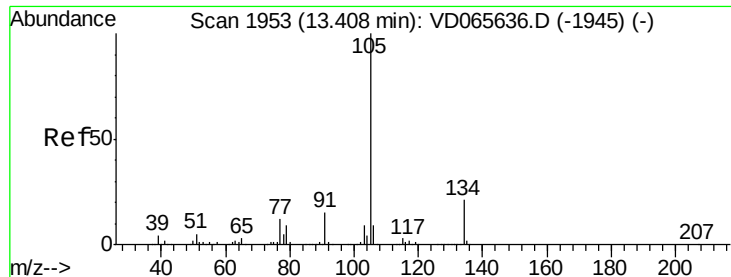
Tgt Ion:119 Resp: 381327
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.7 95.1
 134 28.3 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 54.75 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion:105 Resp: 463665
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.5 70.6





#85

sec-Butylbenzene

Concen: 53.42 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

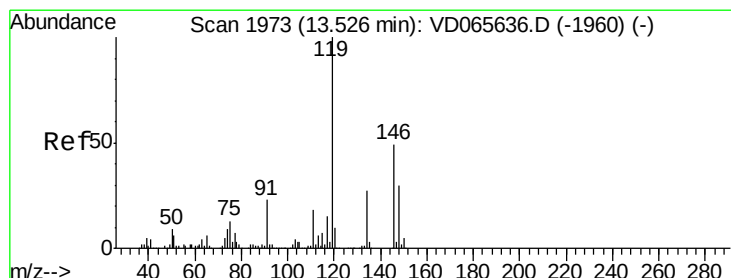
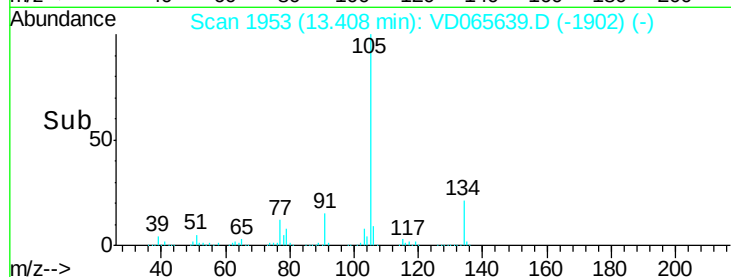
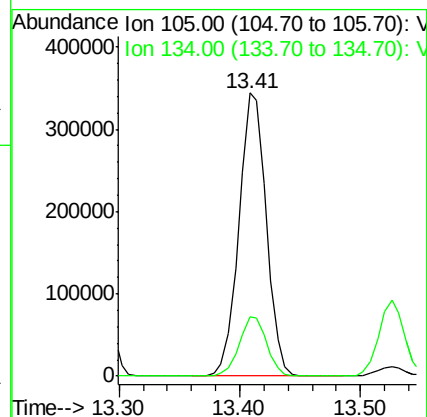
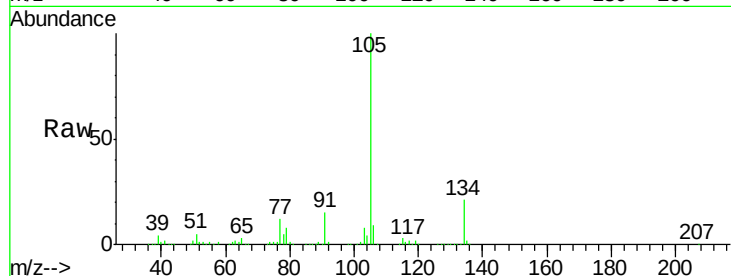
ICVVD041520

Tgt Ion:105 Resp: 544292

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



#86

p-Isopropyltoluene

Concen: 53.70 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

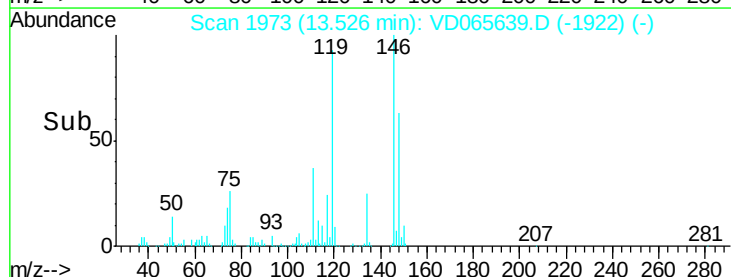
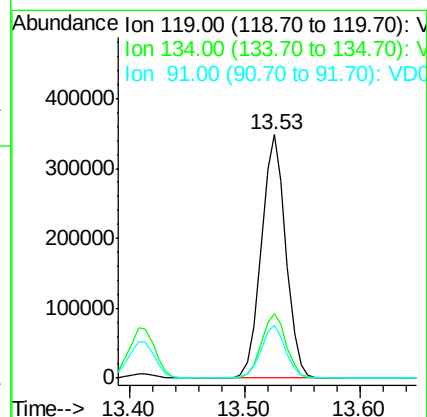
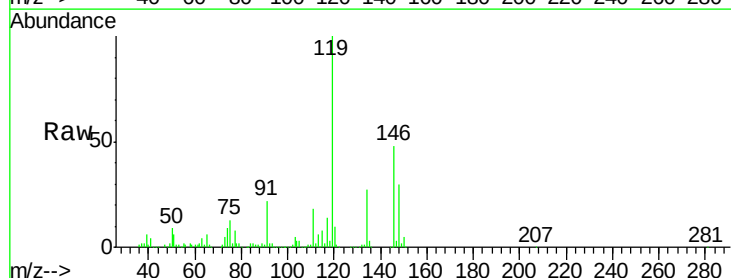
Tgt Ion:119 Resp: 513573

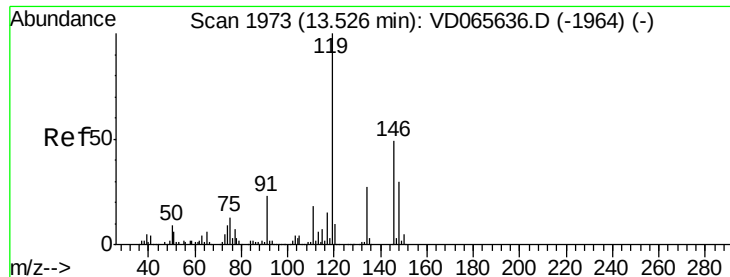
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.8 11.1 33.3

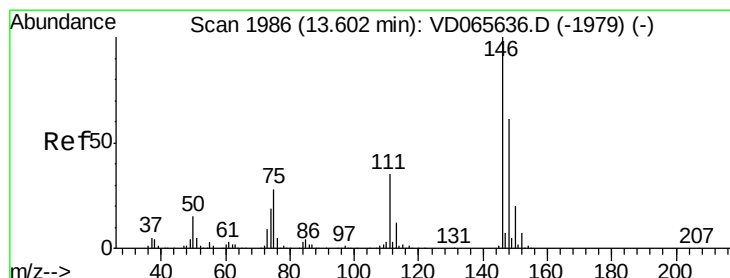
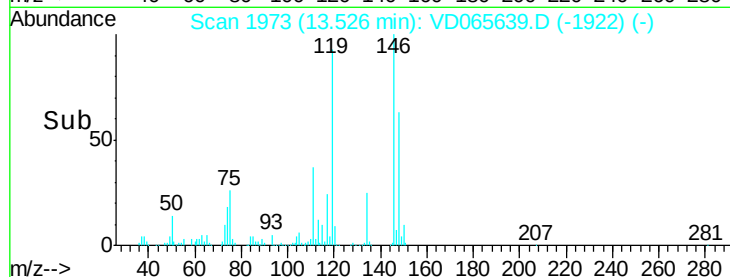
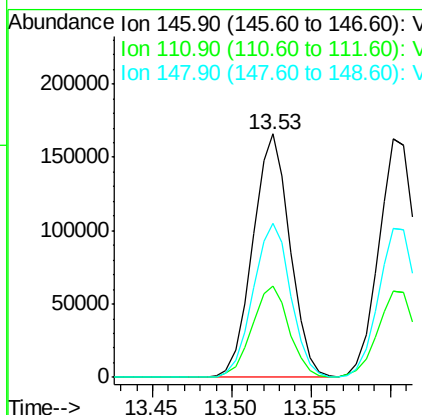
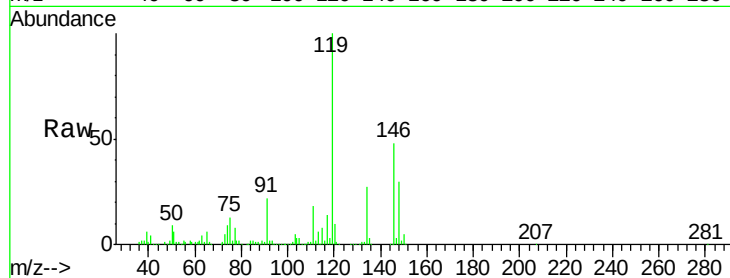




#87
 1,3-Dichlorobenzene
 Concen: 51.64 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

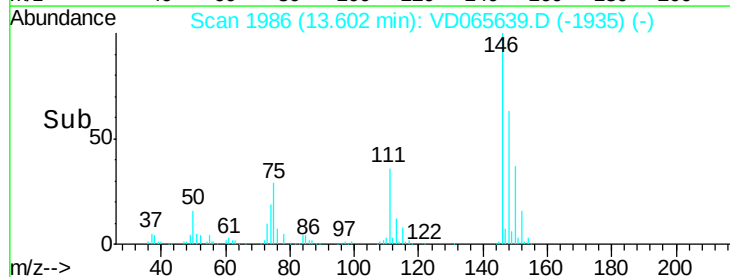
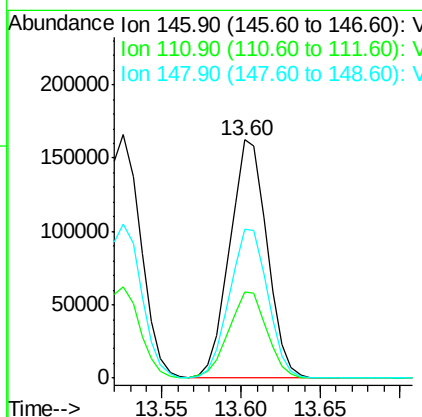
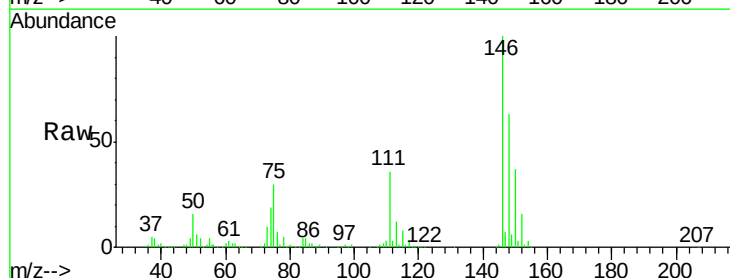
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

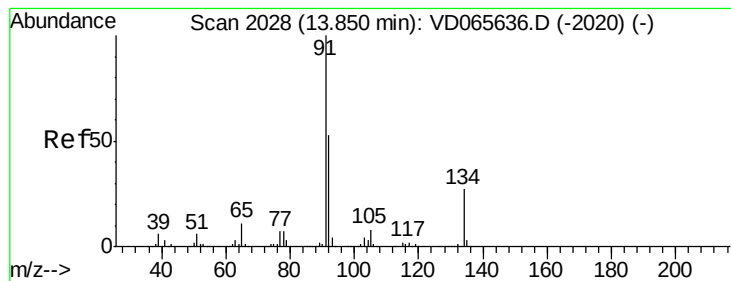
Tgt Ion:146 Resp: 270240
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 64.0 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 50.95 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion:146 Resp: 265427
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.0 54.0
 148 64.1 31.4 94.2





#89

n-Butylbenzene

Concen: 53.44 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

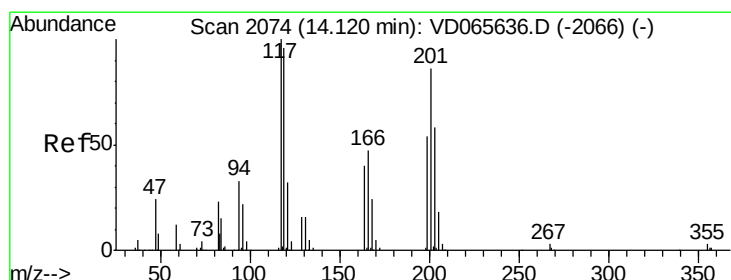
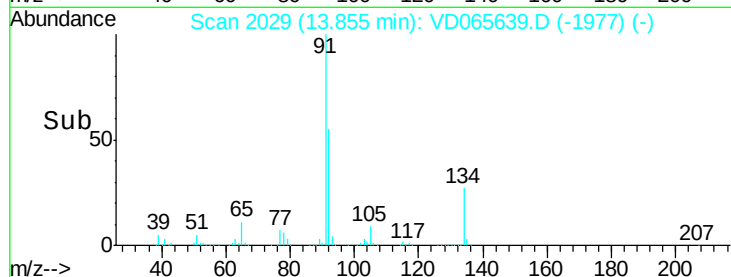
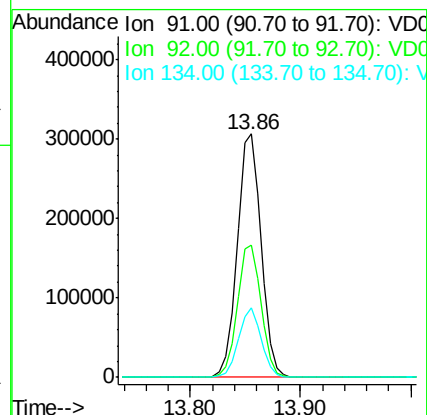
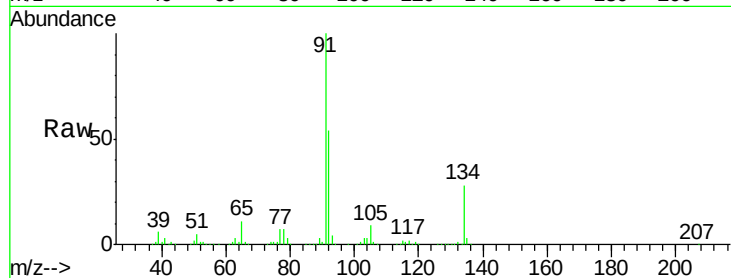
Tgt Ion: 91 Resp: 463798

Ion Ratio Lower Upper

91 100

92 54.1 26.9 80.6

134 27.3 13.6 40.8



#90

Hexachloroethane

Concen: 50.31 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065639.D

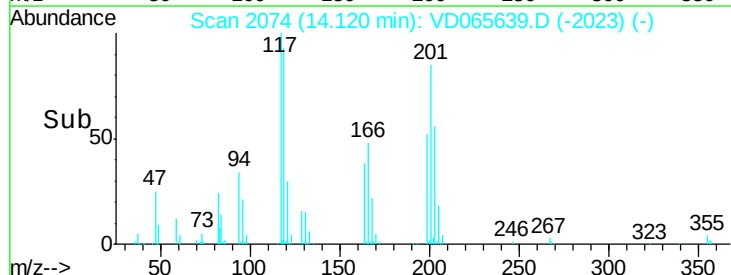
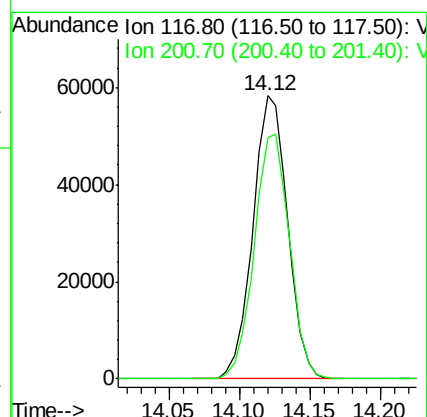
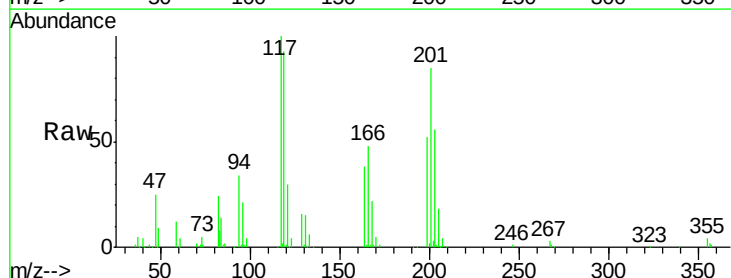
Acq: 15 Apr 2020 17:51

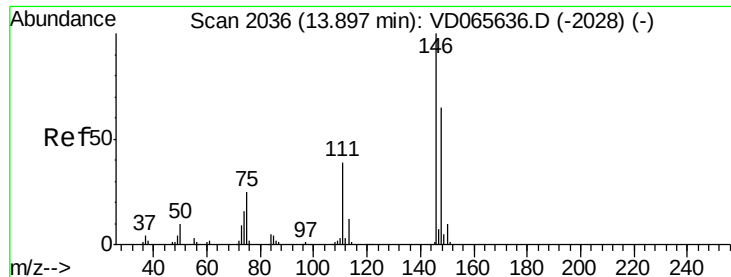
Tgt Ion: 117 Resp: 100905

Ion Ratio Lower Upper

117 100

201 87.6 44.9 134.7

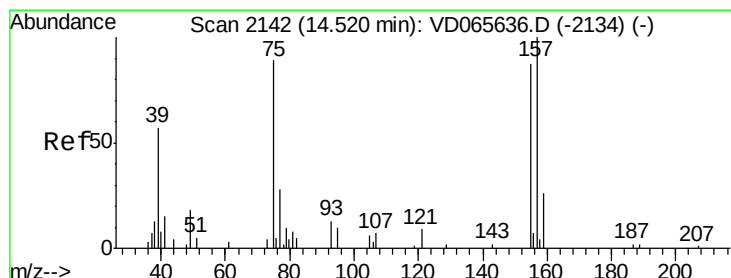
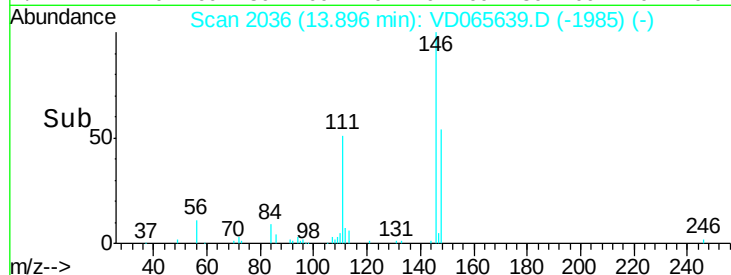
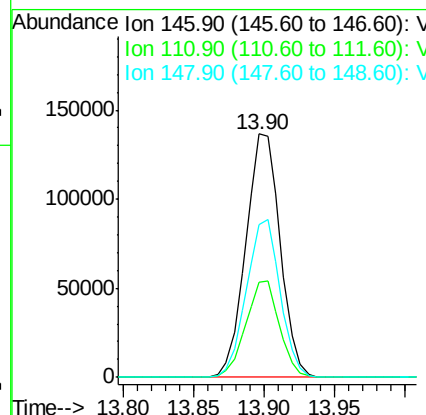
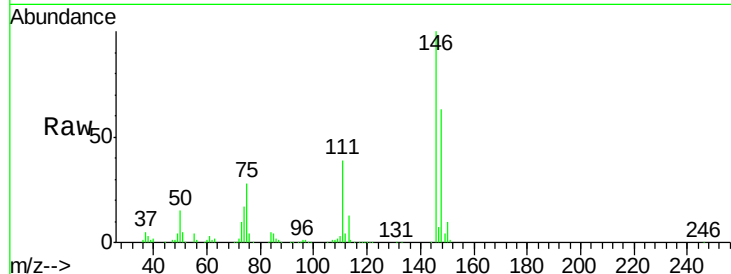




#91
 1,2-Dichlorobenzene
 Concen: 52.10 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

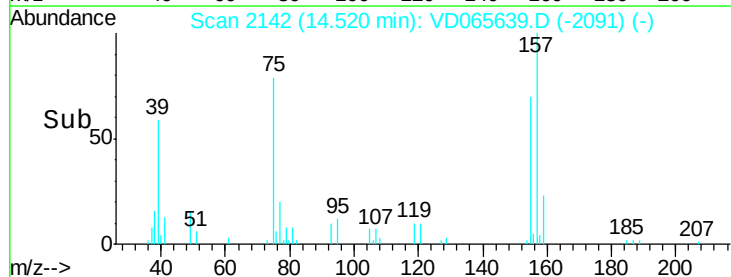
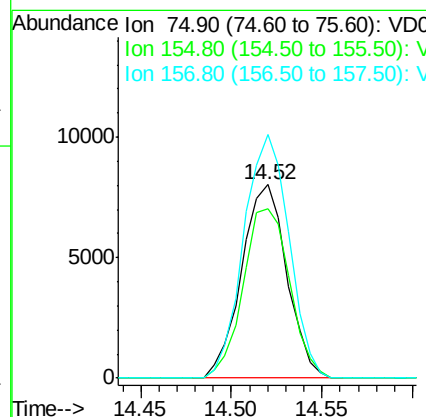
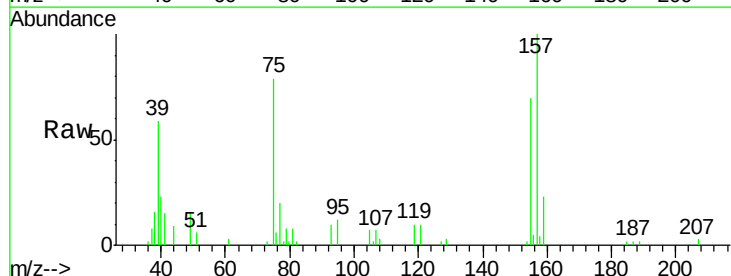
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

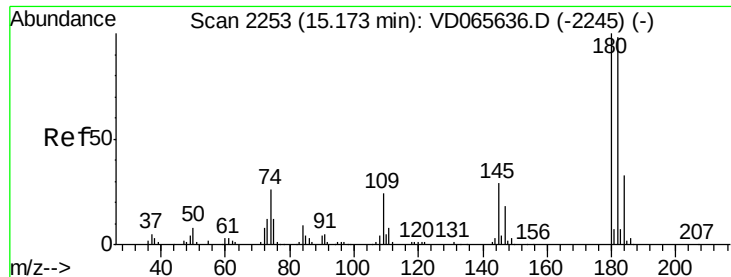
Tgt Ion:146 Resp: 233786
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.9
 148 63.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.38 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 75 Resp: 13926
 Ion Ratio Lower Upper
 75 100
 155 90.2 48.0 144.2
 157 126.1 59.2 177.6

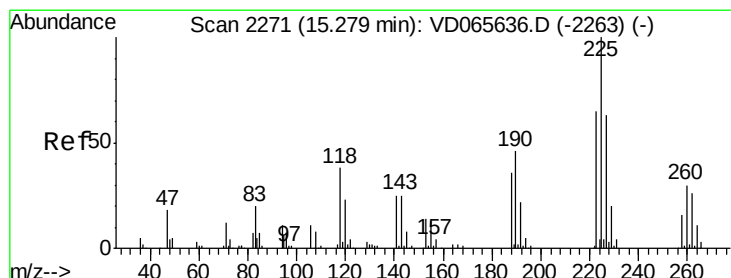
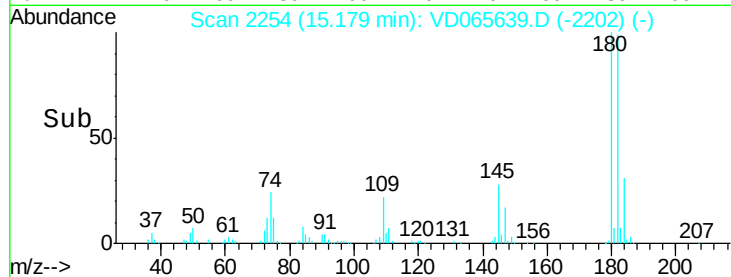
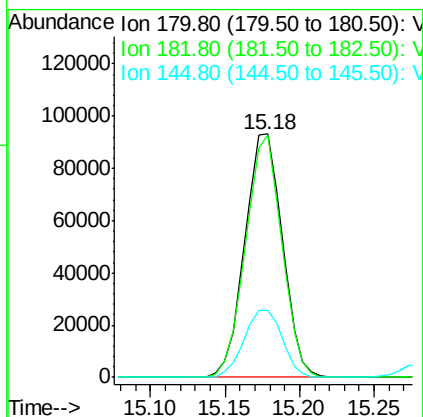
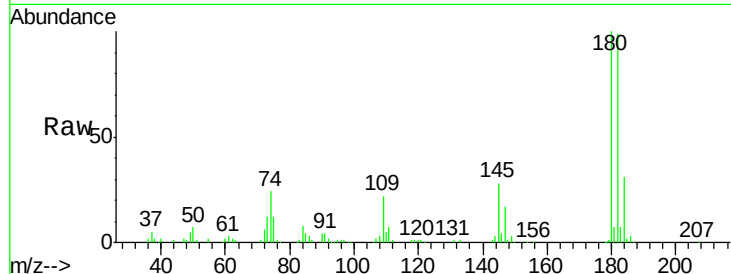




#93
 1,2,4-Trichlorobenzene
 Concen: 52.62 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

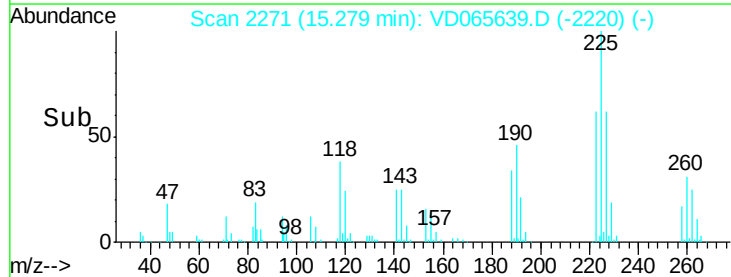
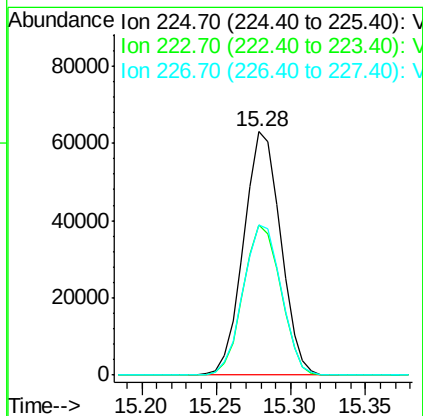
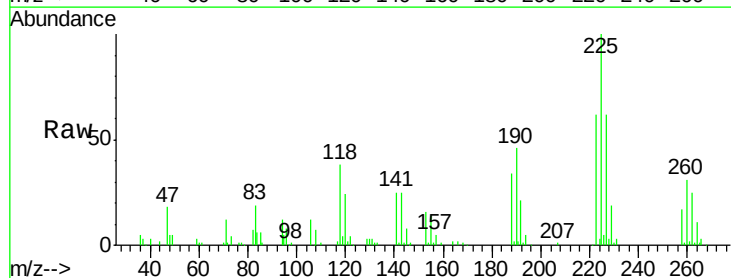
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

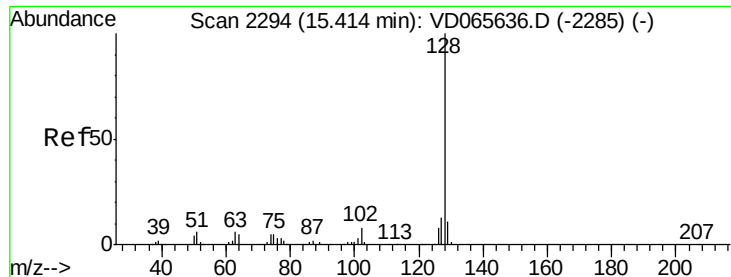
Tgt Ion:180 Resp: 162410
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.9 146.6
 145 28.1 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 51.22 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion:225 Resp: 108397
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.5
 227 63.5 32.0 96.2





#95

Naphthalene

Concen: 47.24 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

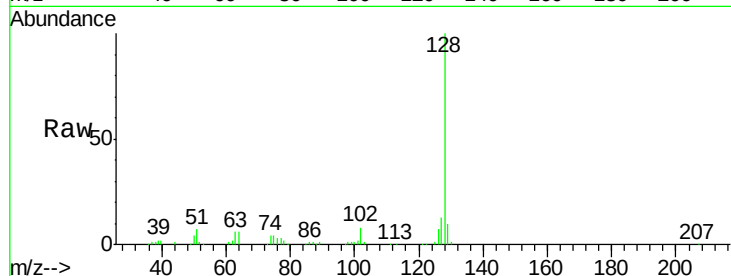
Tgt Ion:128 Resp: 248538

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

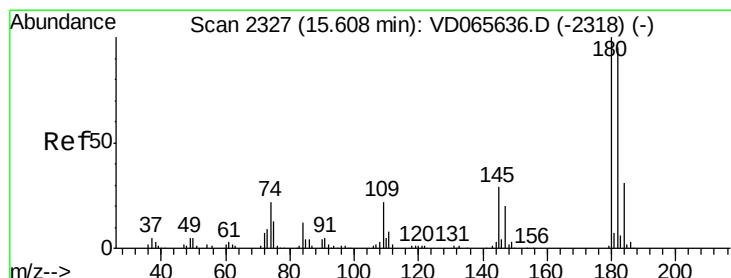
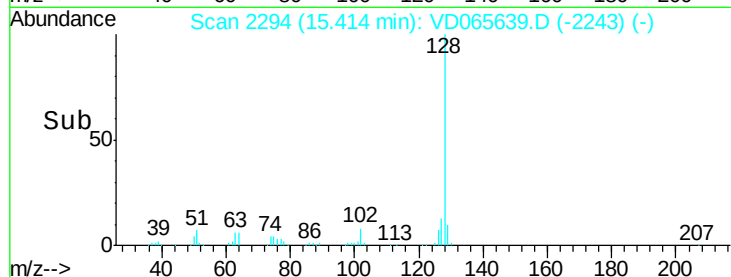
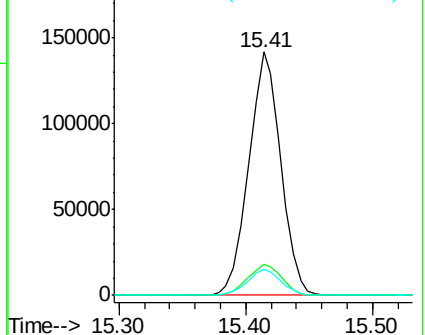
129 10.9 8.8 13.2



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: 52.62 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

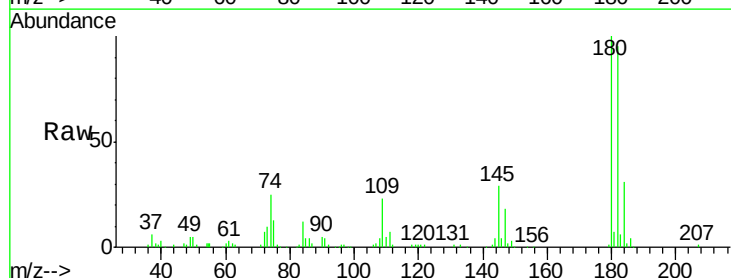
Tgt Ion:180 Resp: 143291

Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.3

145 30.0 15.0 45.0



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

