

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065562.D
 Acq On : 31 Mar 2020 13:24
 Operator : VA/SY
 Sample : L1762-23RE
 Misc : 5.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

Quant Time: Apr 01 05:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	9672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	13470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	13661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	6800	84.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.92%	
35) Dibromofluoromethane	7.92	113	5779	69.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.02%	
50) Toluene-d8	10.34	98	15161	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.64	95	4667	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	77	Below Cal	#	42
3) Chloromethane	2.20	50	843	8.458	ug/l #	42
4) Vinyl Chloride	2.35	62	416	4.654	ug/l #	76
5) Bromomethane	2.80	94	1027	16.133	ug/l #	58
6) Chloroethane	2.94	64	58	1.004	ug/l #	43
7) Trichlorofluoromethane	3.30	101	426	3.195	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.12	101	242	2.752	ug/l #	17
10) Methyl Iodide	4.32	142	798	7.842	ug/l #	65
12) 1,1-Dichloroethene	4.07	96	334	3.997	ug/l #	25
15) Acrylonitrile	5.43	53	141	8.093	ug/l #	17
16) Acetone	4.16	43	710	46.736	ug/l #	40
17) Carbon Disulfide	4.41	76	767	2.784	ug/l #	74
18) Methyl Acetate	4.87	43	58	1.468	ug/l #	50
20) Methylene Chloride	4.96	84	64	Below Cal	#	56
29) Tetrahydrofuran	7.84	42	59	4.412	ug/l #	33
31) Cyclohexane	7.99	56	623	4.116	ug/l #	85
36) 1,1-Dichloropropene	8.11	75	289	2.348	ug/l #	68
38) Carbon Tetrachloride	8.10	117	165	1.273	ug/l #	13
39) Methylcyclohexane	9.36	83	631	4.349	ug/l #	87
40) Benzene	8.36	78	1356	3.861	ug/l	94
41) Methacrylonitrile	7.44	41	53	1.949	ug/l #	22
44) Trichloroethene	9.11	130	643	6.310	ug/l	3
45) 1,2-Dichloropropane	9.39	63	116	1.360	ug/l #	45
48) Methyl methacrylate	9.42	41	62	1.524	ug/l #	12
51) 4-Methyl-2-Pentanone	10.24	43	129	2.988	ug/l #	36
52) Toluene	10.40	92	349	1.569	ug/l #	27
59) 2-Hexanone	11.19	43	55	1.869	ug/l #	23
60) Dibromochloromethane	10.88	129	517	6.109	ug/l #	11
64) Tetrachloroethene	10.87	164	715	7.307	ug/l #	42
65) Chlorobenzene	11.68	112	693	2.595	ug/l #	86
67) Ethyl Benzene	11.74	91	1142	2.539	ug/l	92
68) m/p-Xylenes	11.86	106	553	3.131	ug/l #	65
69) o-Xylene	12.18	106	188	1.215	ug/l	46
70) Styrene	12.21	104	341	1.248	ug/l #	71

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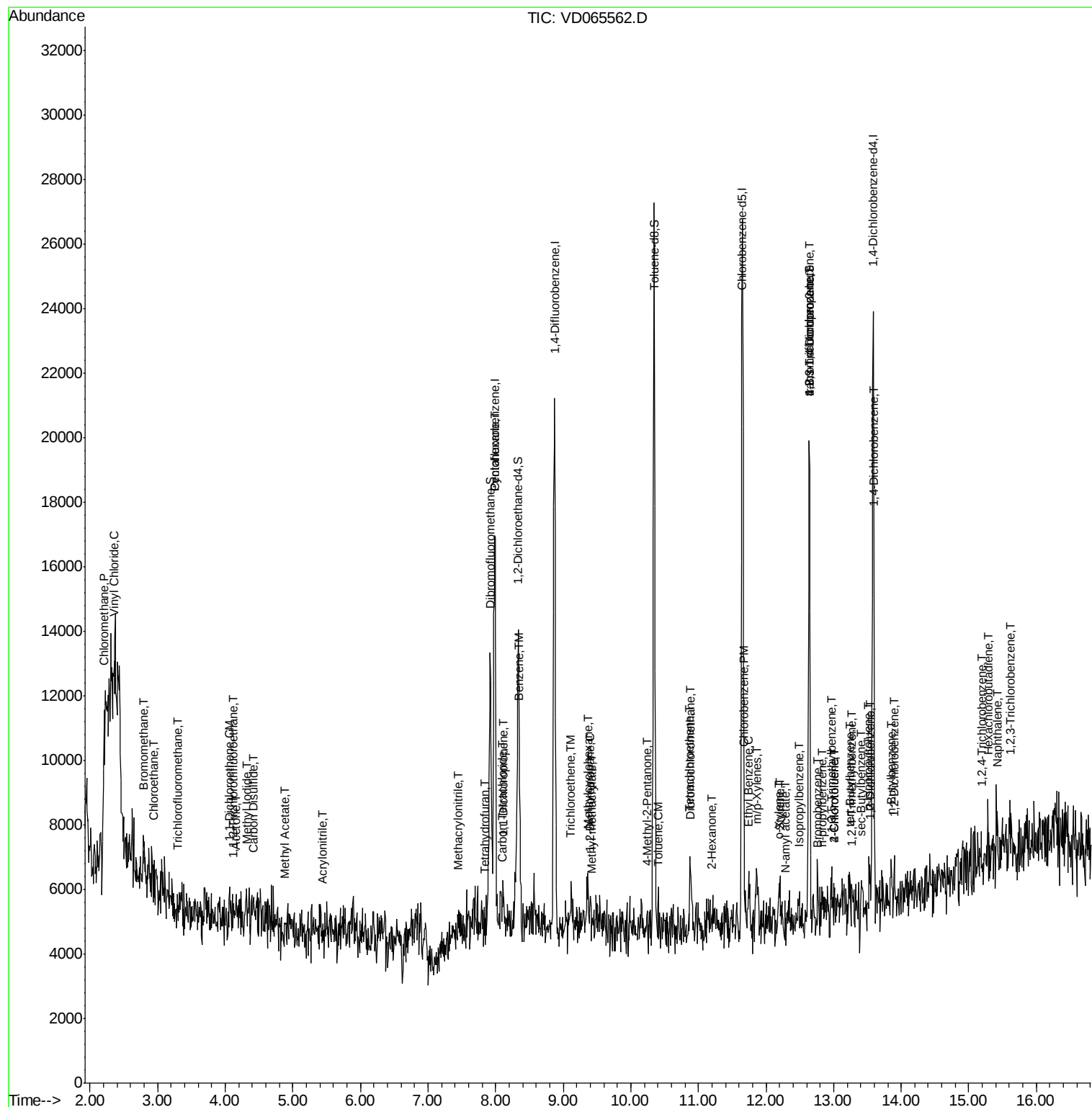
73) Isopropylbenzene	12.48	105	713	2.018	ug/l	90
74) N-amyl acetate	12.29	43	84	1.205	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	2624	59.327	ug/l #	100
77) Bromobenzene	12.77	156	141	1.527	ug/l	77
78) n-propylbenzene	12.84	91	1210	2.874	ug/l	86
79) 2-Chlorotoluene	13.02	91	535	2.227	ug/l	77
80) 1,3,5-Trimethylbenzene	12.96	105	519	1.773	ug/l	68
81) trans-1,4-Dichloro-2-buten	12.64	75	2624	132.429	ug/l #	13
82) 4-Chlorotoluene	13.02	91	535	2.096	ug/l	77
83) tert-Butylbenzene	13.23	119	658	2.683	ug/l #	56
84) 1,2,4-Trimethylbenzene	13.28	105	476	1.626	ug/l #	54
85) sec-Butylbenzene	13.41	105	1004	2.861	ug/l #	55
86) p-Isopropyltoluene	13.52	119	617	1.908	ug/l #	65
87) 1,3-Dichlorobenzene	13.54	146	417	2.347	ug/l #	70
88) 1,4-Dichlorobenzene	13.60	146	535	3.013	ug/l #	34
89) n-Butylbenzene	13.86	91	764	2.602	ug/l #	78
91) 1,2-Dichlorobenzene	13.91	146	610	4.044	ug/l #	65
93) 1,2,4-Trichlorobenzene	15.18	180	280	2.684	ug/l #	8
94) Hexachlorobutadiene	15.28	225	403	5.928	ug/l #	54
95) Naphthalene	15.42	128	957	9.243	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.61	180	322	3.594	ug/l #	81

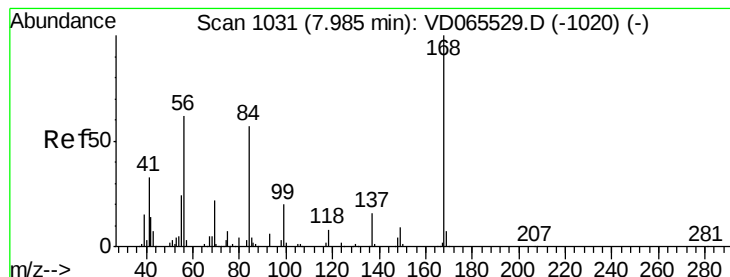
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

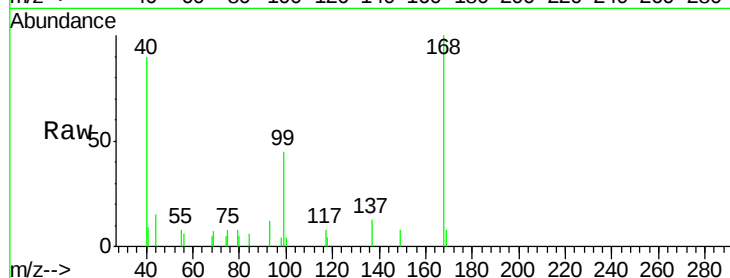
TR-04-032720RE

Tot Ion:168 Resp: 9672

Ion Ratio Lower Upper

168 100

99 45.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

4000

3000

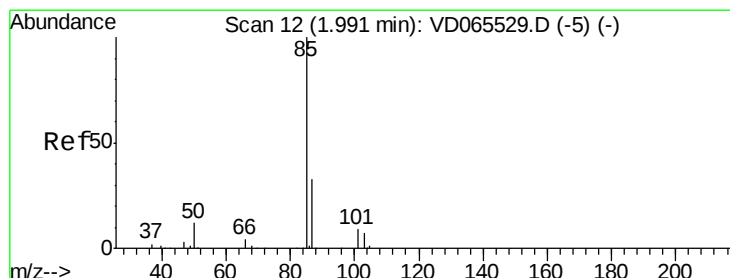
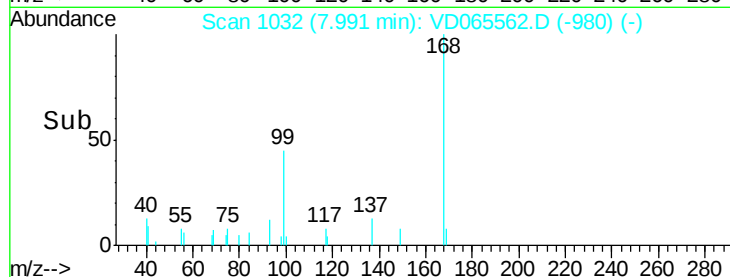
2000

1000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065562.D

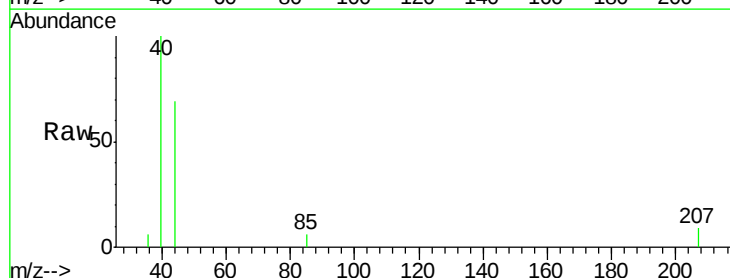
Acq: 31 Mar 2020 13:24

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

150

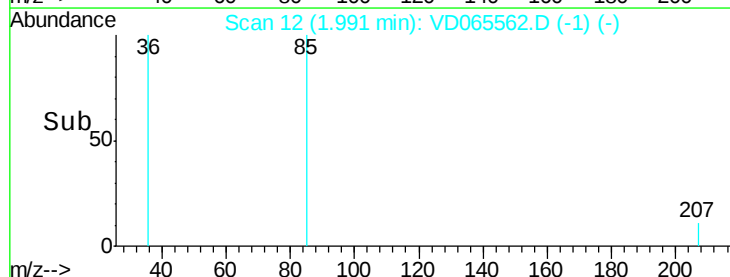
100

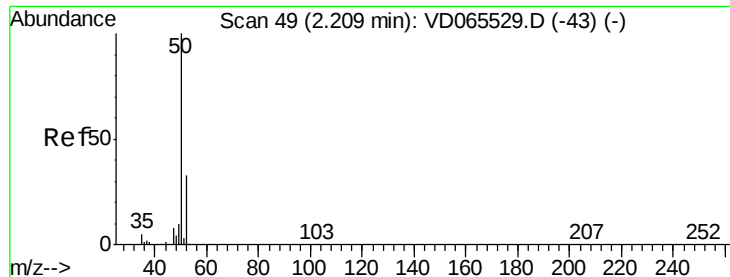
50

0

1.97 1.98 1.99 2.00 2.01

Time-->





#3

Chloromethane

Concen: 8.458 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

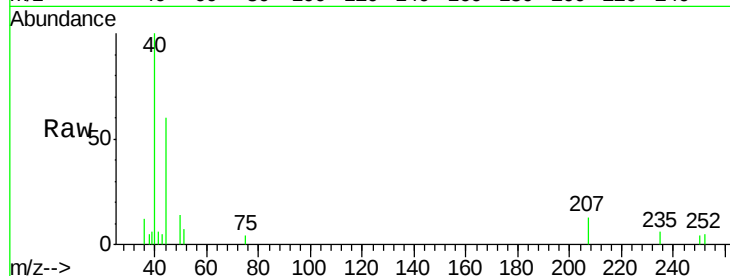
TR-04-032720RE

Tot Ion: 50 Resp: 843

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



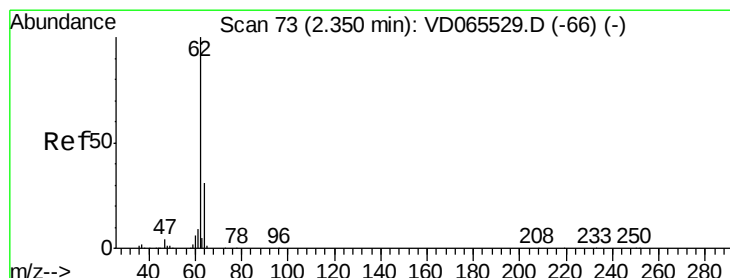
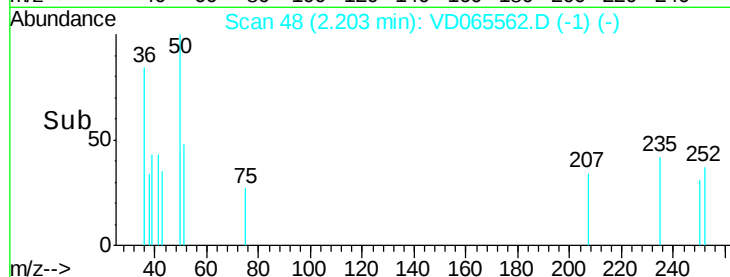
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

2.25

Time-->



#4

Vinyl Chloride

Concen: 4.654 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065562.D

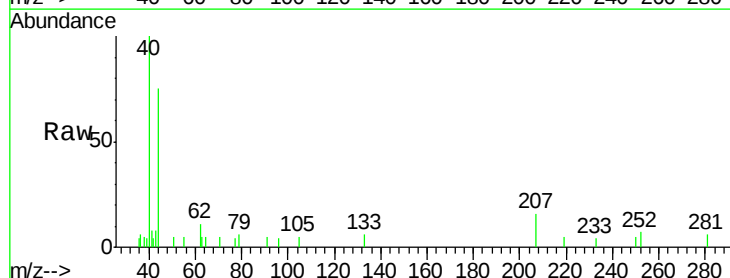
Acq: 31 Mar 2020 13:24

Tgt Ion: 62 Resp: 416

Ion Ratio Lower Upper

62 100

64 44.0 24.8 37.2#



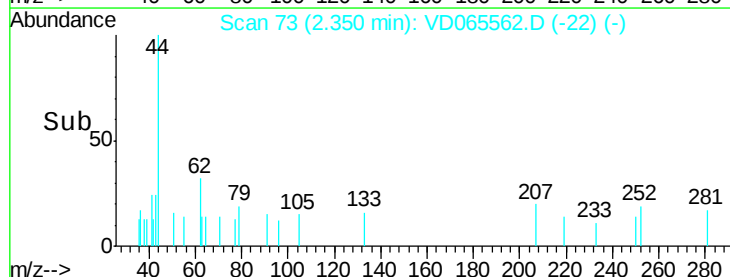
Abundance Ion 61.90 (61.60 to 62.60): VDC

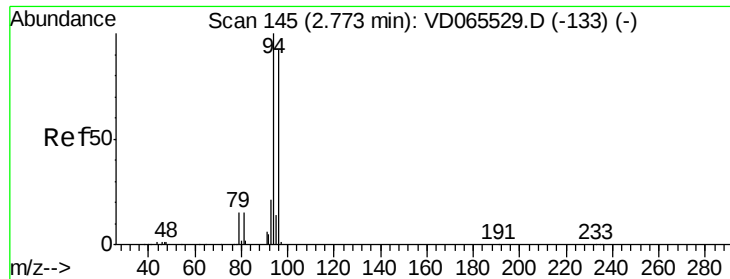
Ion 63.90 (63.60 to 64.60): VDC

2.35

2.38

Time-->





#5

Bromomethane

Concen: 16.133 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

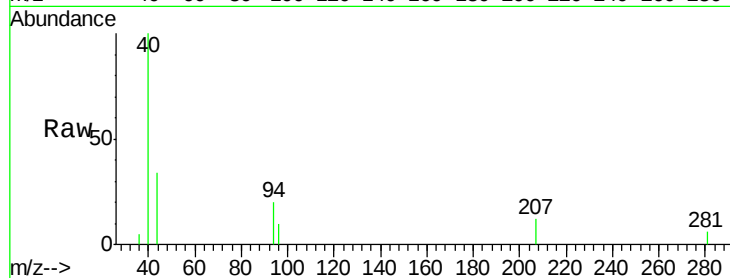
TR-04-032720RE

Tot Ion: 94 Resp: 1027

Ion Ratio Lower Upper

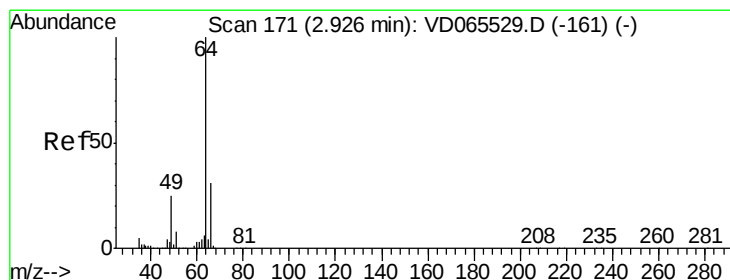
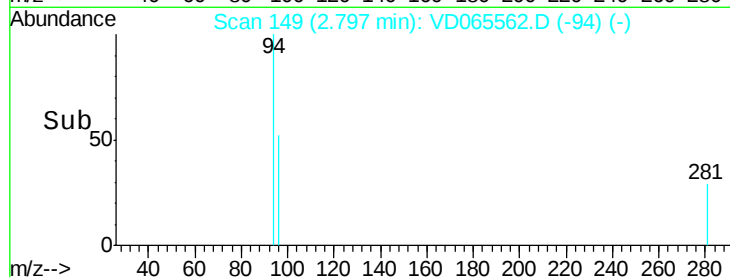
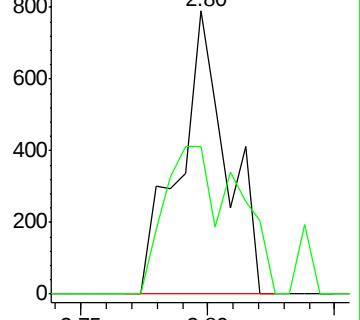
94 100

96 52.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 1.004 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD065562.D

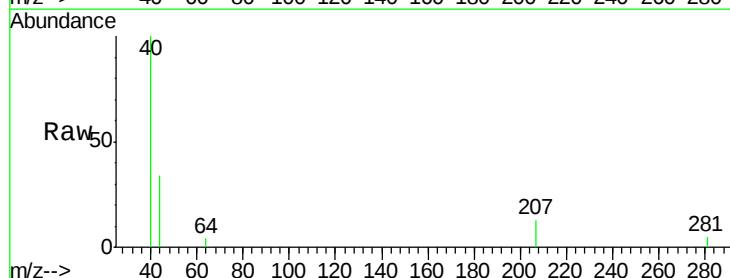
Acq: 31 Mar 2020 13:24

Tgt Ion: 64 Resp: 58

Ion Ratio Lower Upper

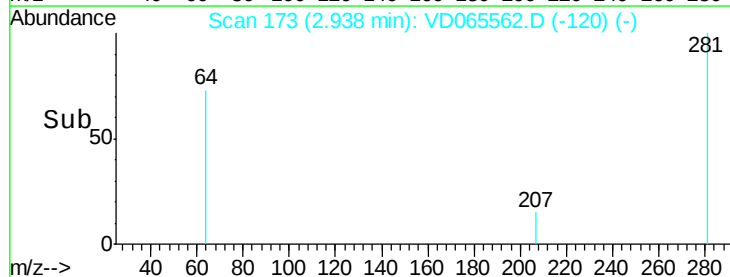
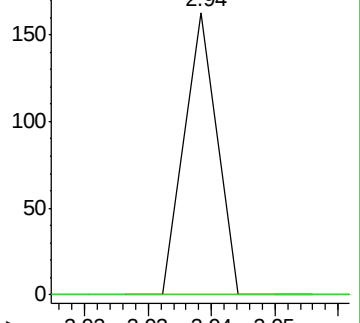
64 100

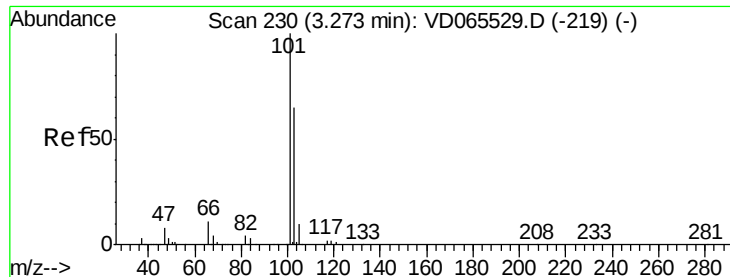
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



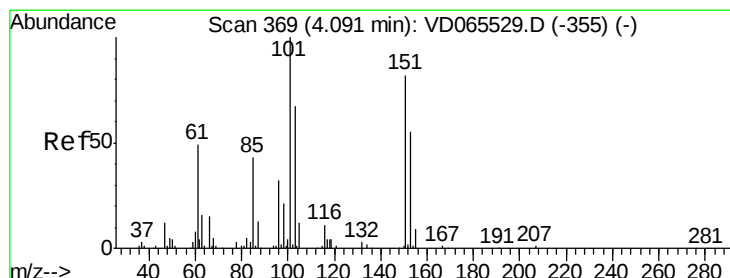
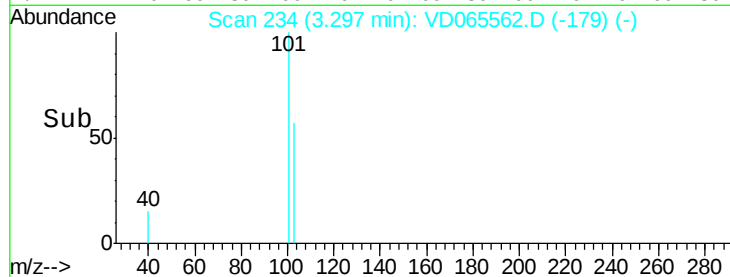
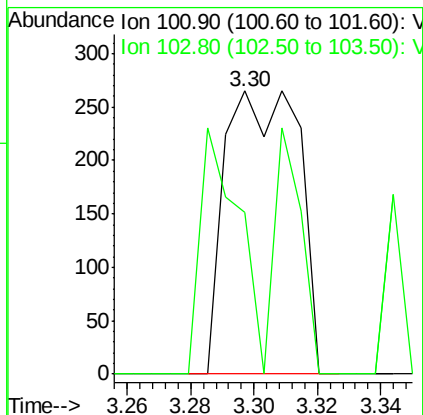
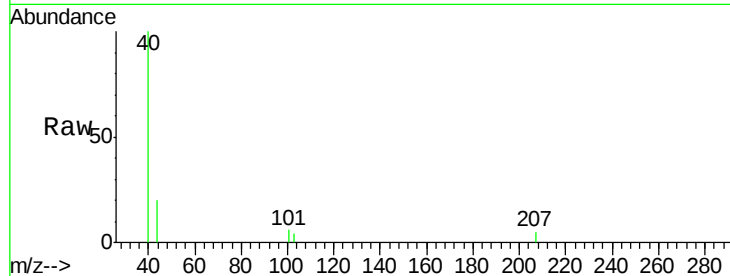


#7

Trichlorofluoromethane
 Concen: 3.195 ug/l
 RT: 3.30 min Scan# 234
 Delta R.T. 0.02 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

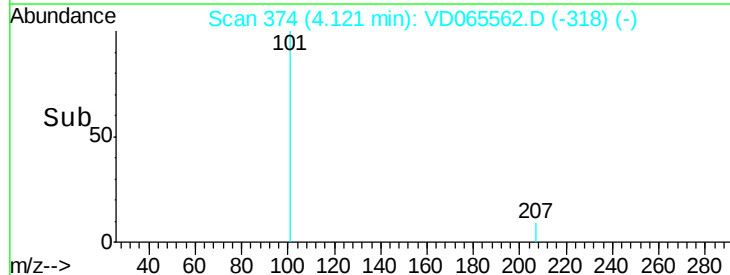
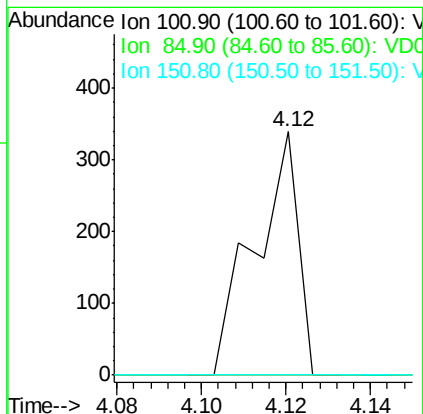
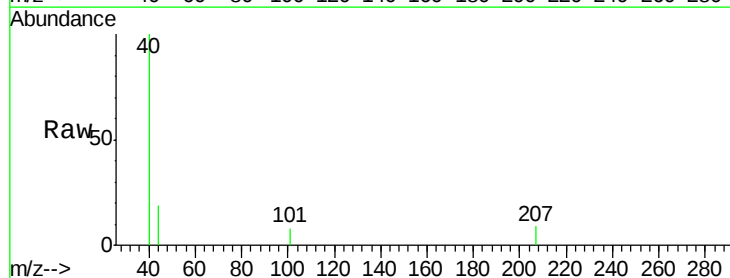
Tot Ion:101 Resp: 426
 Ion Ratio Lower Upper
 101 100
 103 57.4 51.9 77.9

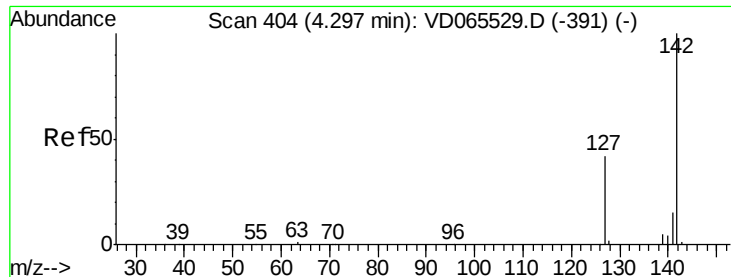


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 2.752 ug/l
 RT: 4.12 min Scan# 374
 Delta R.T. 0.03 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Tgt Ion:101 Resp: 242
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 0.0 65.5 98.3#

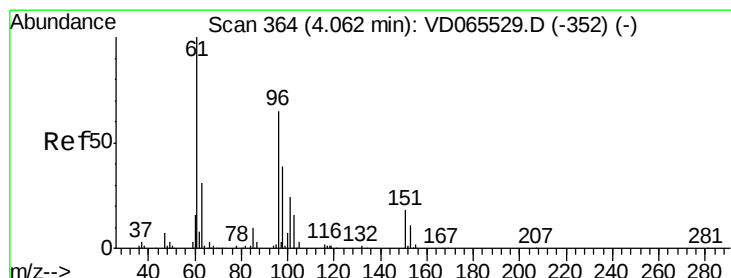
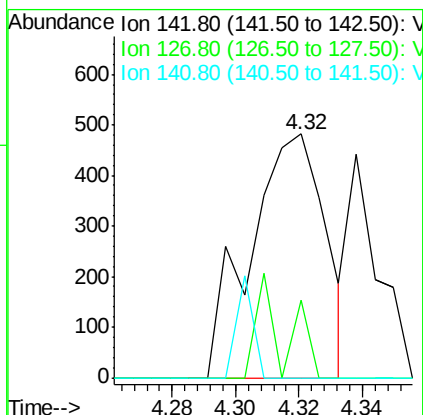
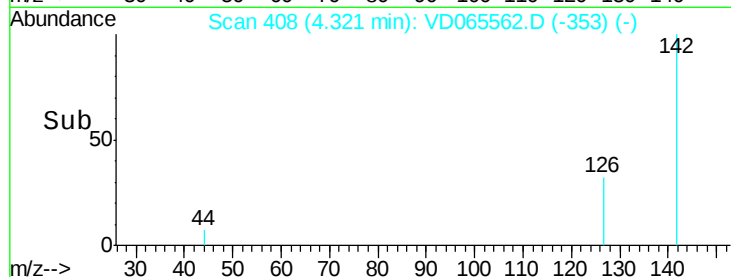
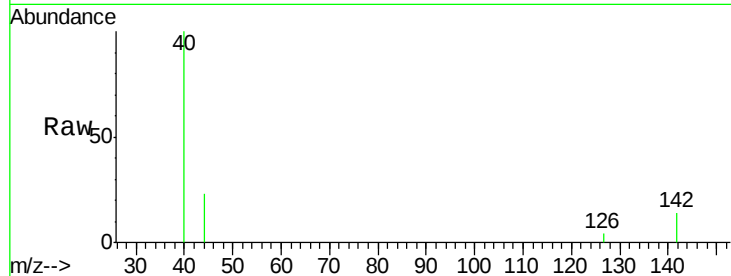




#10
Methyl Iodide
Concen: 7.842 ug/l
RT: 4.32 min Scan# 408
Delta R.T. 0.02 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

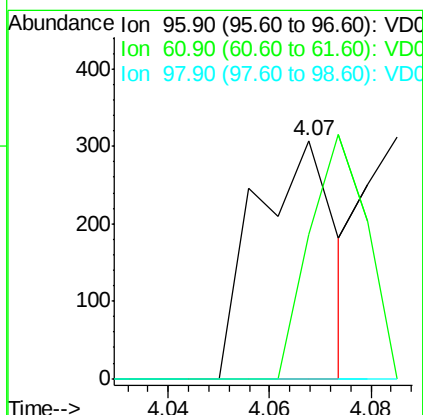
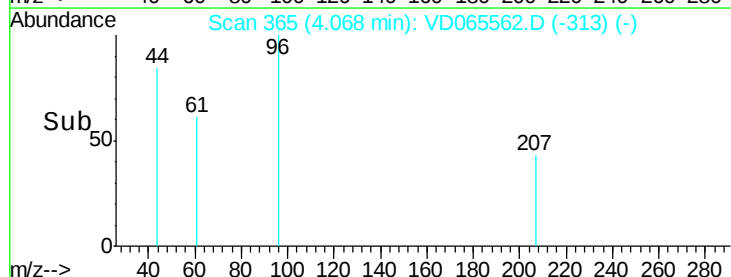
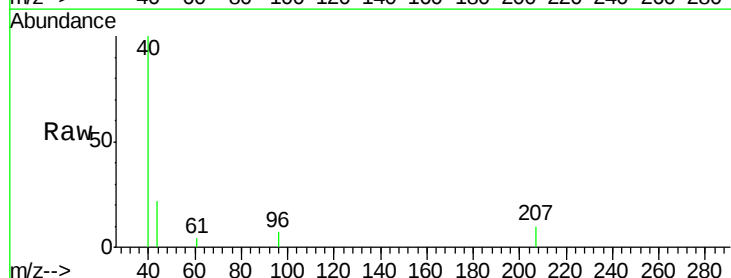
Instrument :
MSVOA_D
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TR-04-032720RE

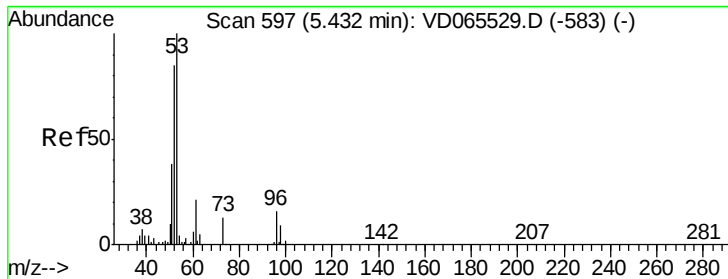
Tot Ion:142 Resp: 798
Ion Ratio Lower Upper
142 100
127 15.9 33.9 50.9#
141 8.9 11.6 17.4#



#12
1,1-Dichloroethene
Concen: 3.997 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 96 Resp: 334
Ion Ratio Lower Upper
96 100
61 60.9 124.0 186.0#
98 0.0 48.2 72.4#





#15

Acrylonitrile

Concen: 8.093 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

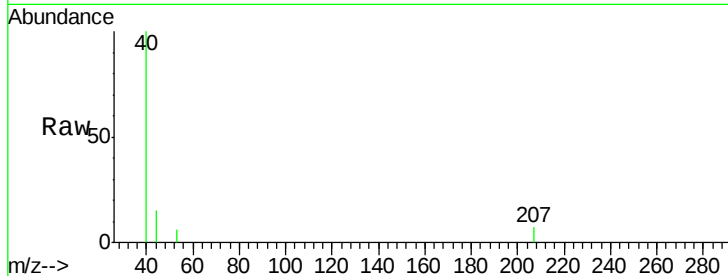
Tot Ion: 53 Resp: 141

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

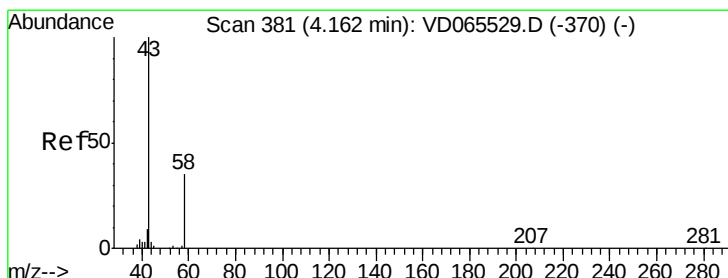
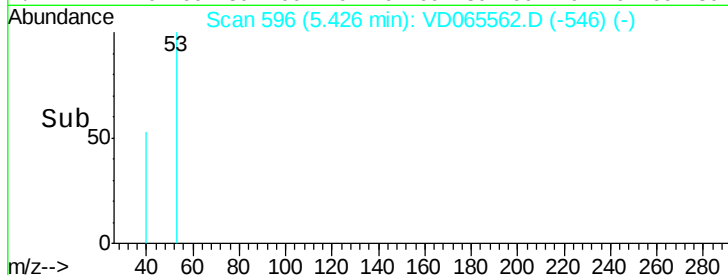
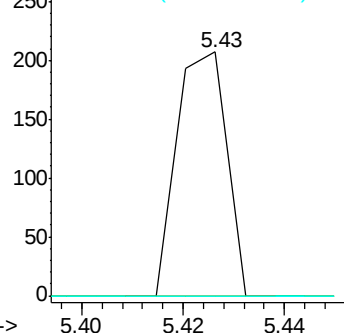
51 0.0 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 46.736 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065562.D

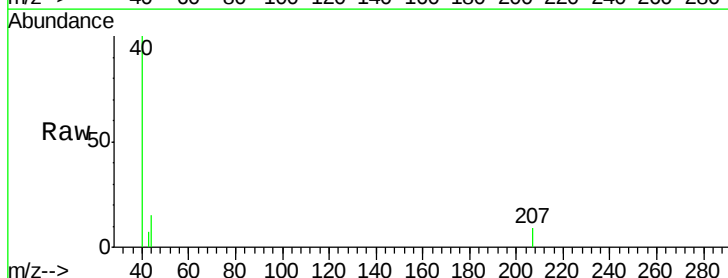
Acq: 31 Mar 2020 13:24

Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

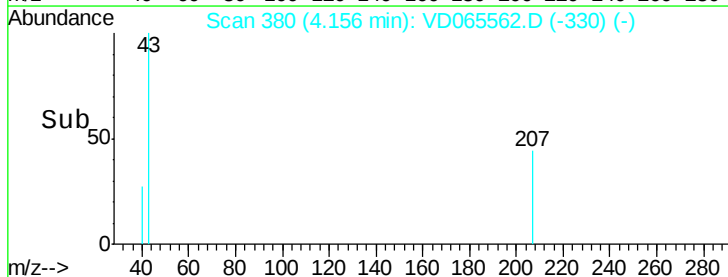
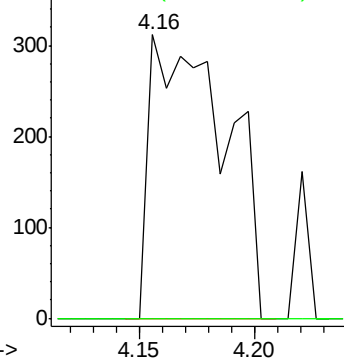
43 100

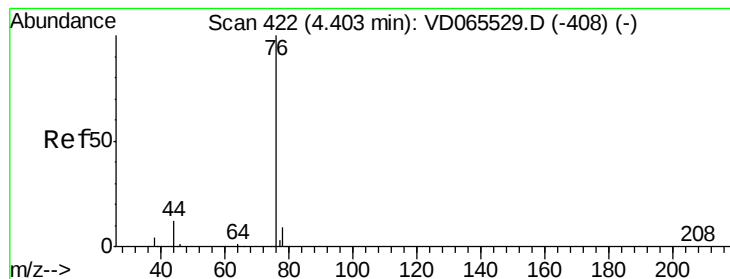
58 0.0 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 2.784 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

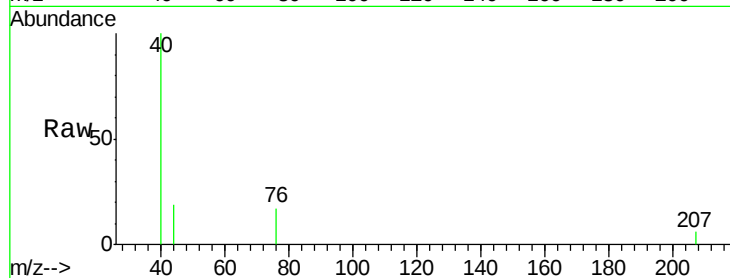
TR-04-032720RE

Tot Ion: 76 Resp: 767

Ion Ratio Lower Upper

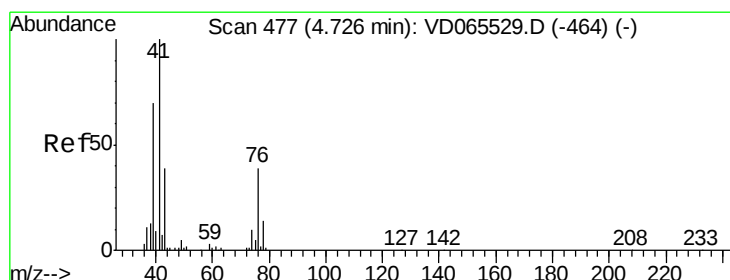
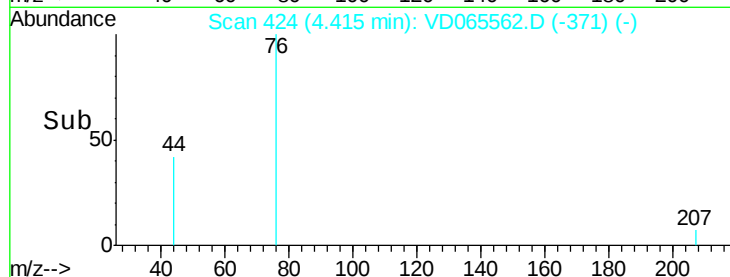
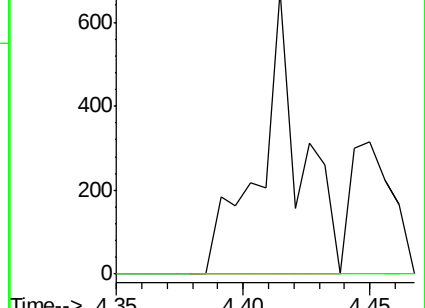
76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 1.468 ug/l

RT: 4.87 min Scan# 502

Delta R.T. 0.15 min

Lab File: VD065562.D

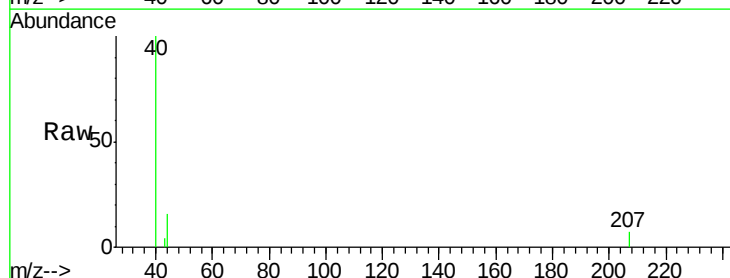
Acq: 31 Mar 2020 13:24

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

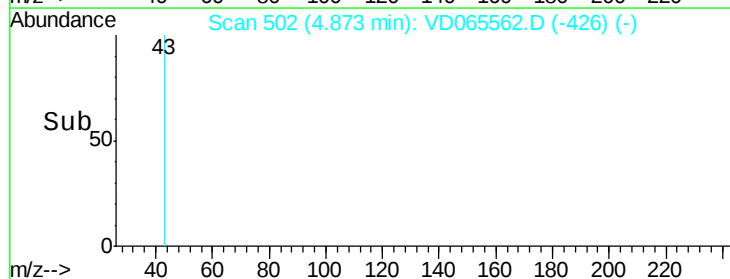
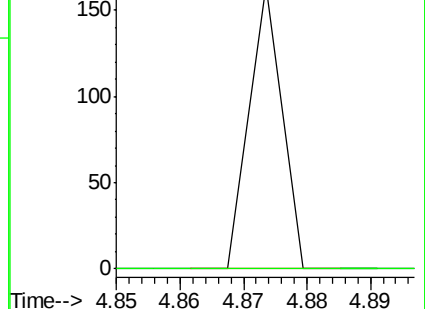
43 100

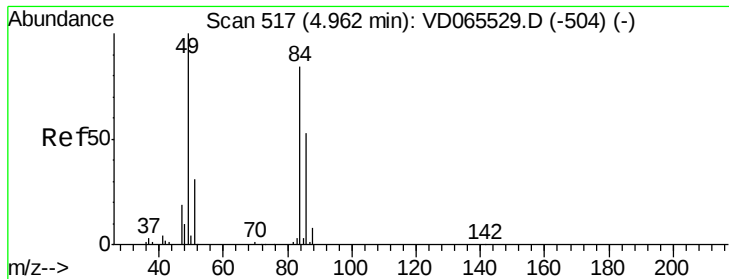
74 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

Tot Ion: 84 Resp: 64

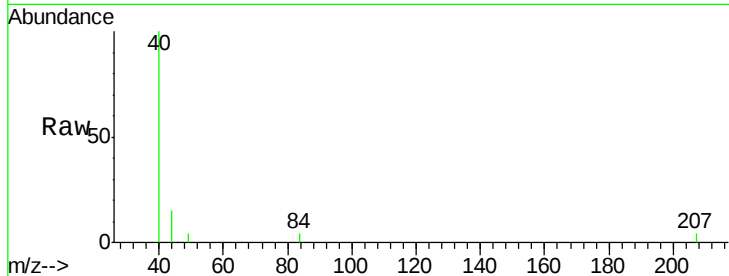
Ion Ratio Lower Upper

84 100

49 99.4 95.6 143.4

51 0.0 29.4 44.2#

86 0.0 50.6 76.0#

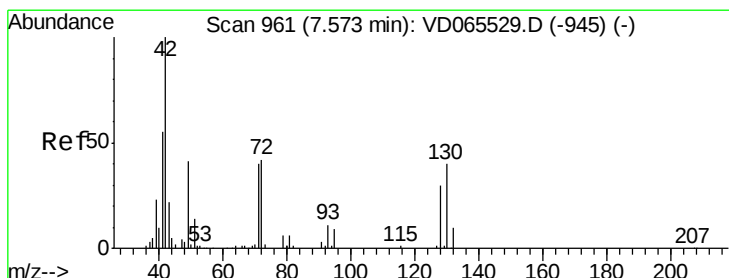
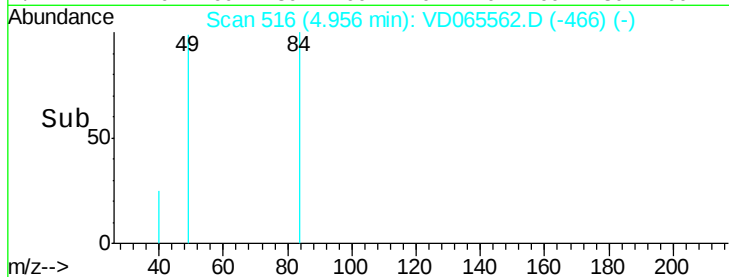
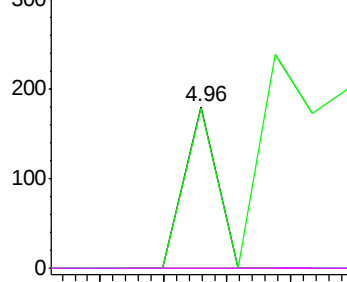


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#29

Tetrahydrofuran

Concen: 4.412 ug/l

RT: 7.84 min Scan# 1006

Delta R.T. 0.26 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

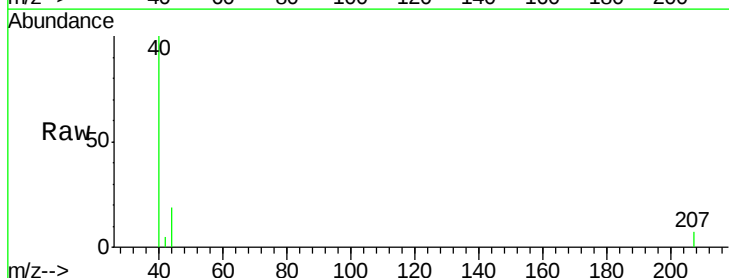
Tgt Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

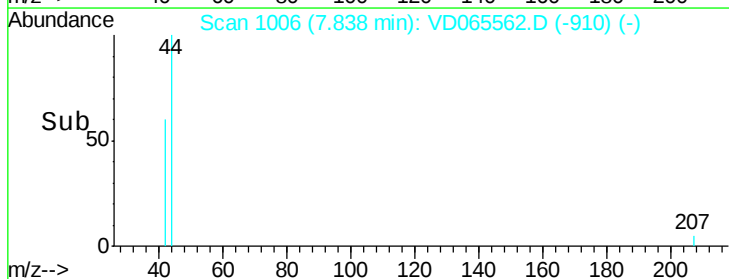
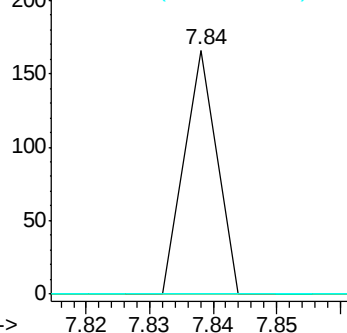
71 0.0 33.0 49.6#

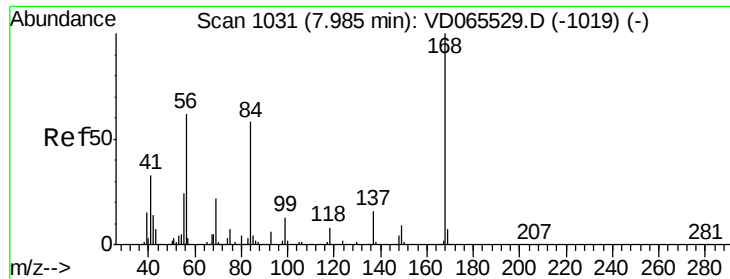


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

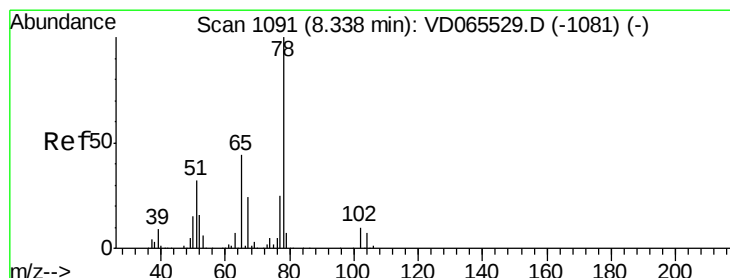
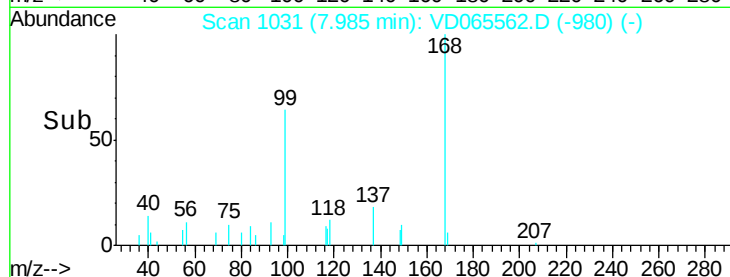
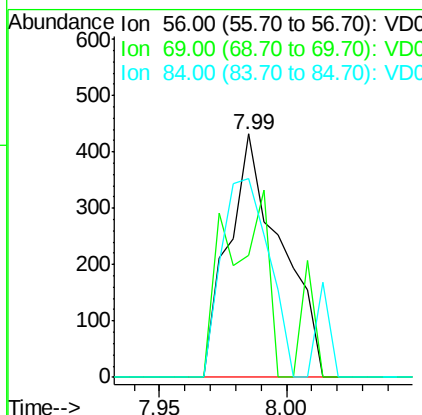
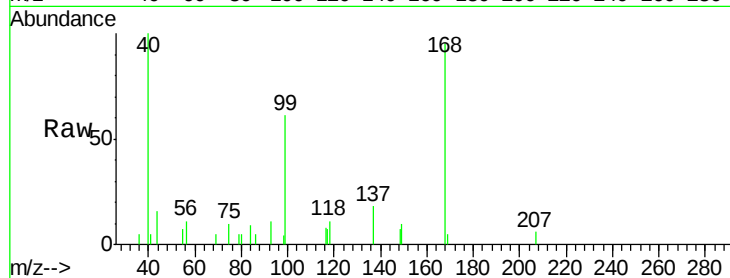




#31
Cyclohexane
Concen: 4.116 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

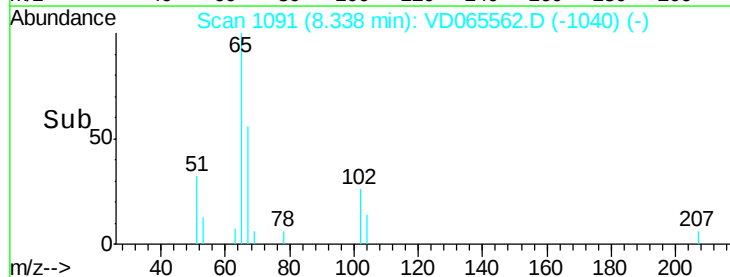
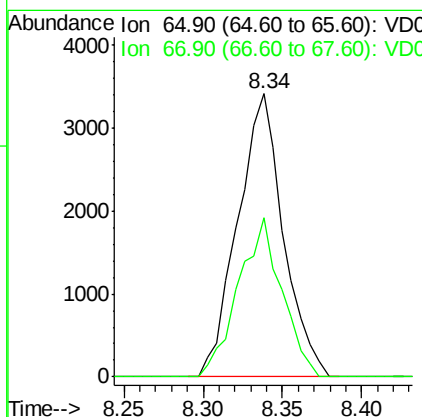
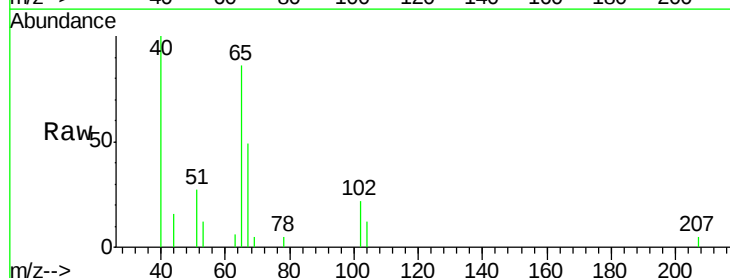
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

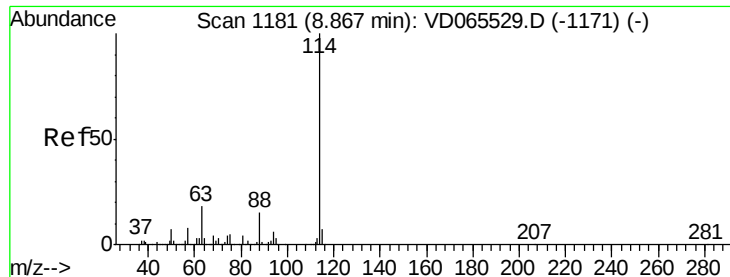
Tot Ion: 56 Resp: 623
Ion Ratio Lower Upper
56 100
69 50.0 28.2 42.4#
84 81.7 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 84.459 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 65 Resp: 6800
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.6

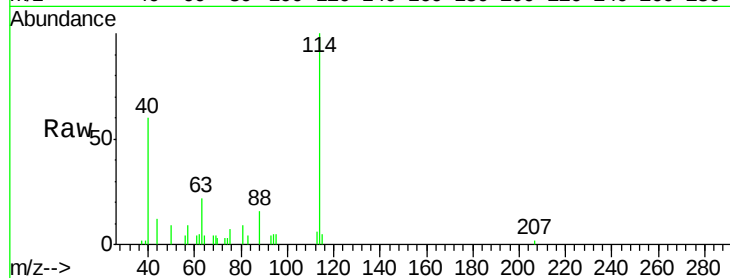




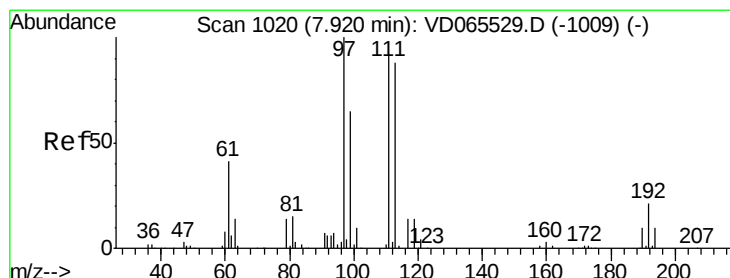
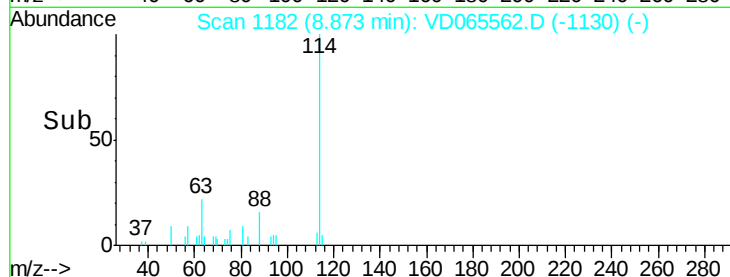
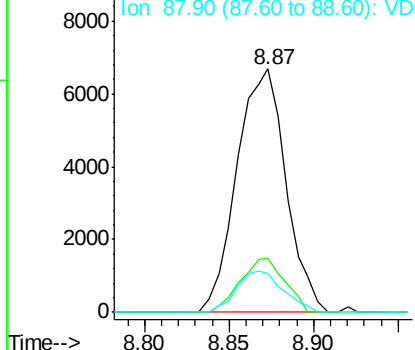
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

Tot Ion:114 Resp: 13470
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.0
 88 16.0 0.0 30.4

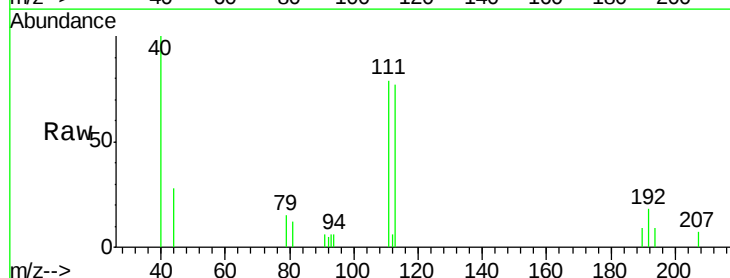


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

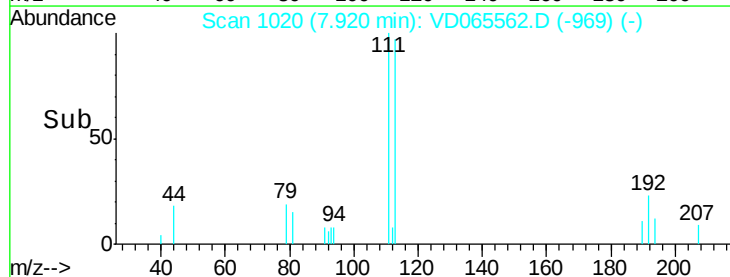
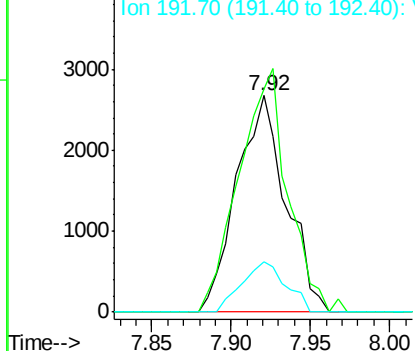


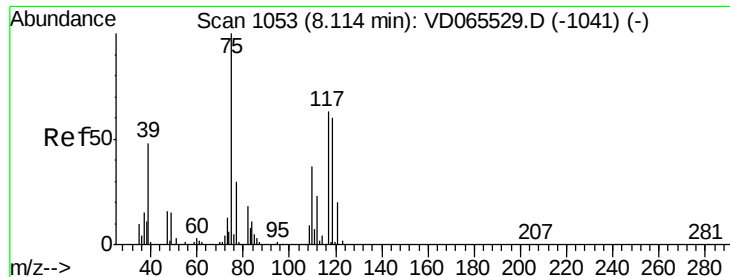
#35
 Dibromofluoromethane
 Concen: 69.507 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Tgt Ion:113 Resp: 5779
 Ion Ratio Lower Upper
 113 100
 111 111.5 83.3 124.9
 192 20.6 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 2.348 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

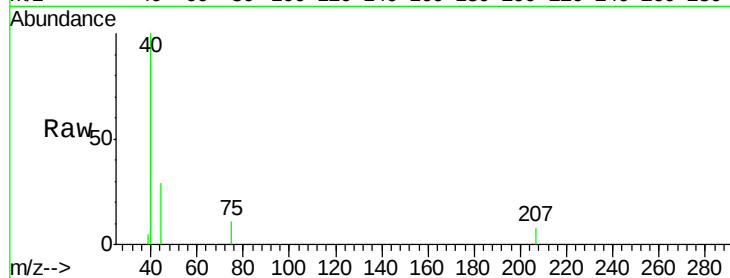
Tot Ion: 75 Resp: 289

Ion Ratio Lower Upper

75 100

110 30.4 18.8 56.4

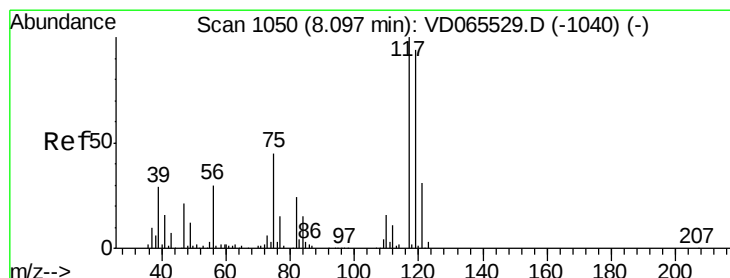
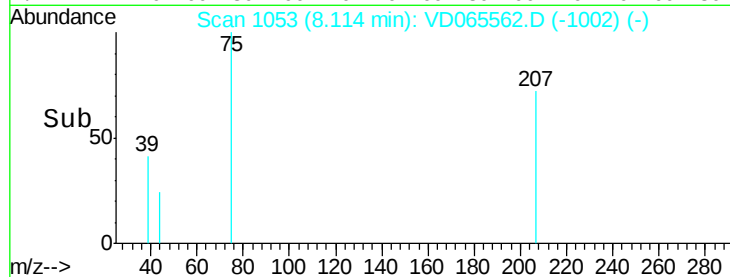
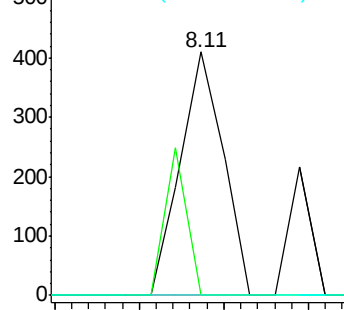
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VD

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VD



#38

Carbon Tetrachloride

Concen: 1.273 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

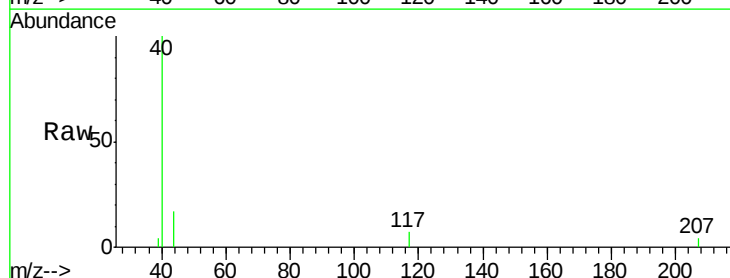
Tgt Ion: 117 Resp: 165

Ion Ratio Lower Upper

117 100

119 0.0 75.2 112.8#

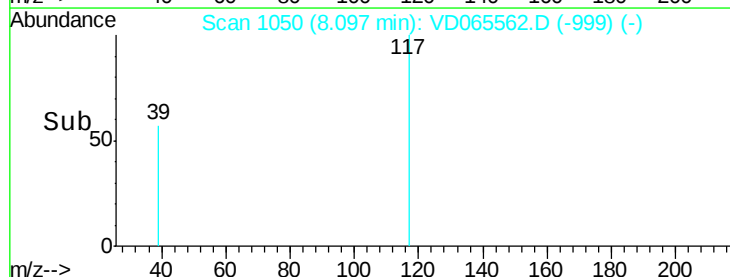
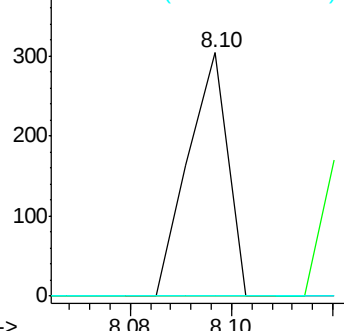
121 0.0 24.5 36.7#

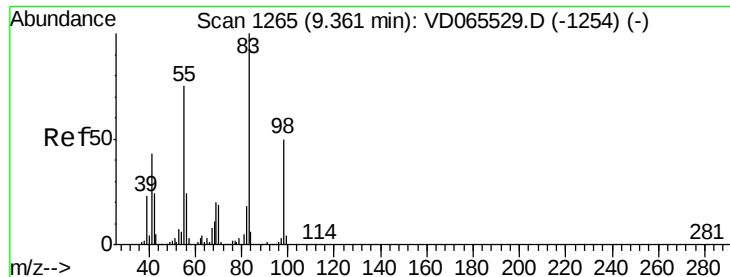


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

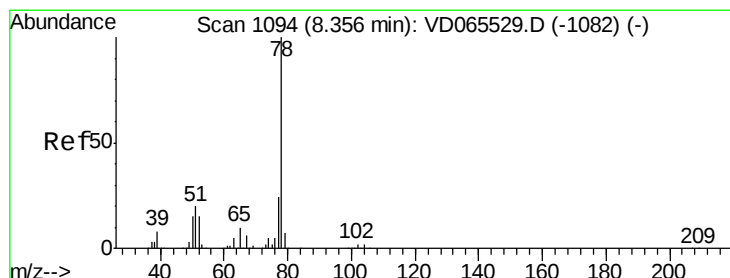
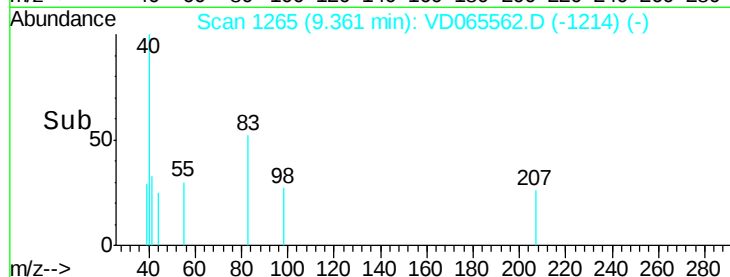
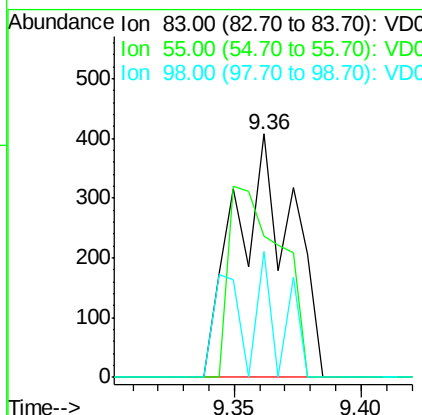
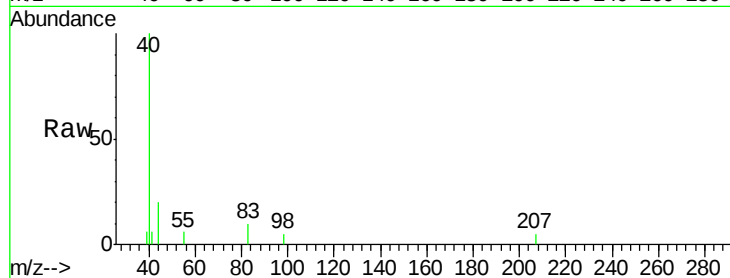




#39
Methvlcvclohexane
Concen: 4.349 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

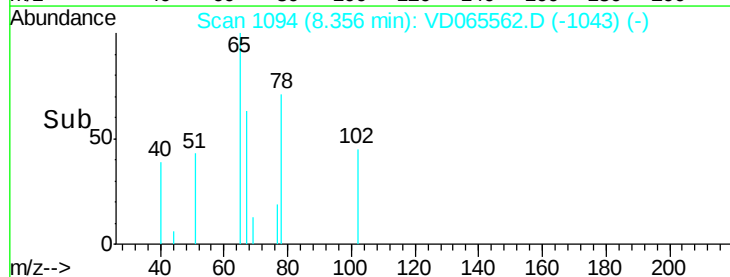
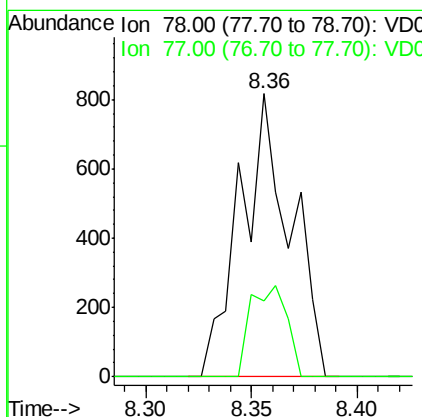
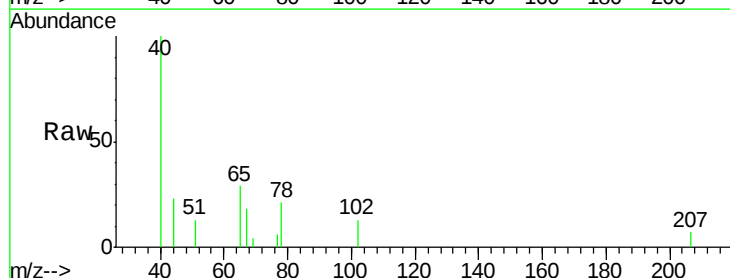
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

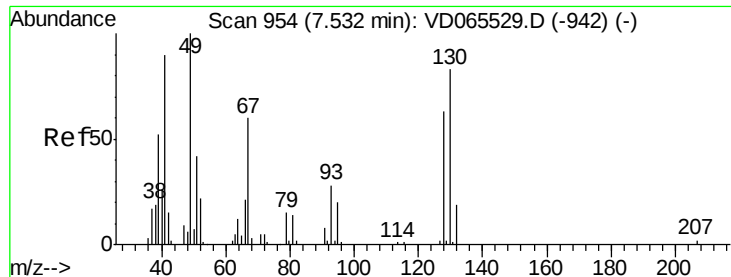
Tot Ion: 83 Resp: 631
Ion Ratio Lower Upper
83 100
55 58.1 59.7 89.5#
98 52.0 40.2 60.2



#40
Benzene
Concen: 3.861 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 78 Resp: 1356
Ion Ratio Lower Upper
78 100
77 26.8 19.1 28.7





#41

Methacrylonitrile

Concen: 1.949 ug/l

RT: 7.44 min Scan# 938

Delta R.T. -0.09 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

Tot Ion: 41 Resp: 53

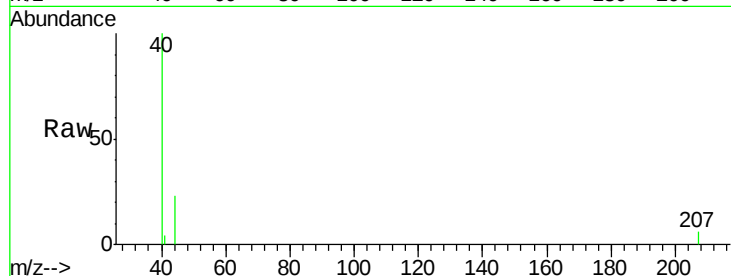
Ion Ratio Lower Upper

41 100

39 0.0 42.9 64.3#

67 0.0 60.5 90.7#

52 0.0 24.5 36.7#

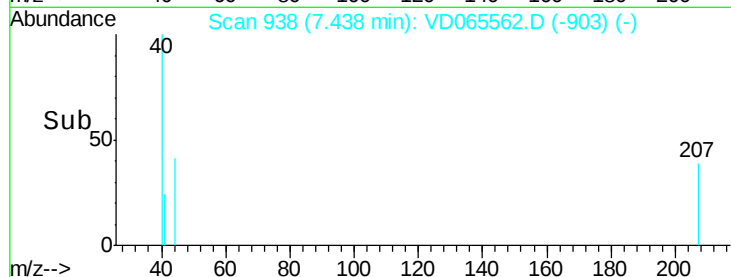
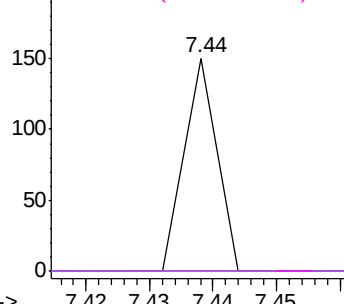


Abundance Ion 41.00 (40.70 to 41.70): VDC

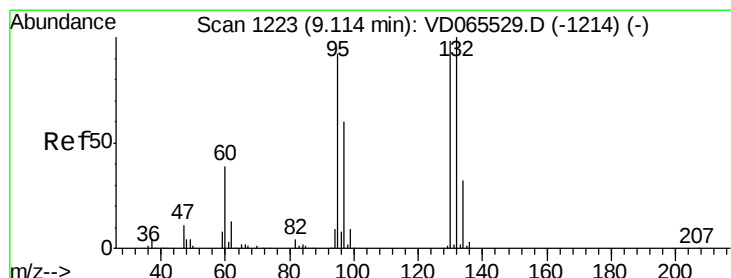
Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time-->



#44

Trichloroethene

Concen: 6.310 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065562.D

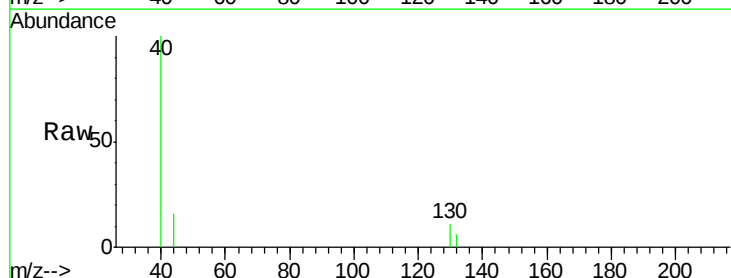
Acq: 31 Mar 2020 13:24

Tgt Ion:130 Resp: 643

Ion Ratio Lower Upper

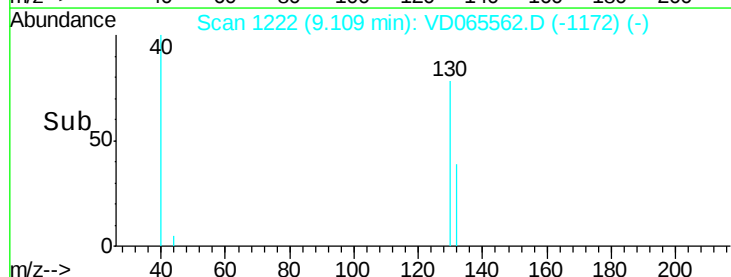
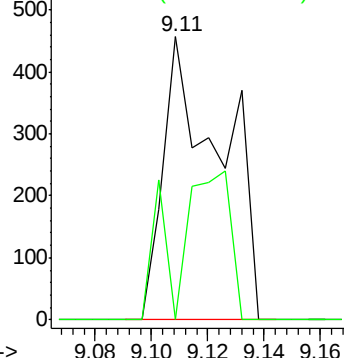
130 100

95 0.0 0.0 187.0

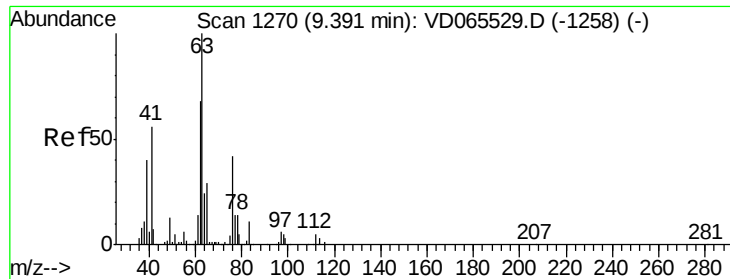


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



Time-->



#45

1,2-Dichloropropane

Concen: 1.360 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

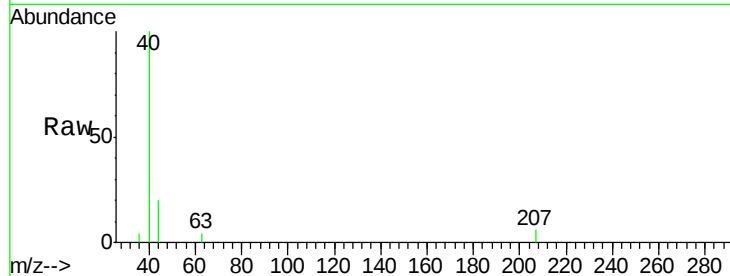
TR-04-032720RE

Tot Ion: 63 Resp: 116

Ion Ratio Lower Upper

63 100

65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

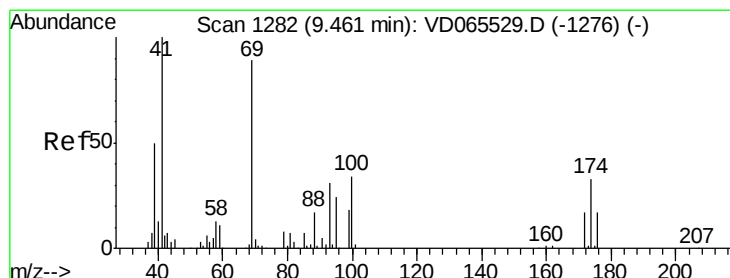
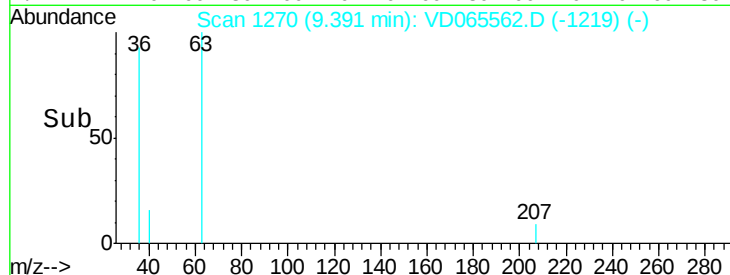
150

100

50

0

Time--> 9.36 9.38 9.40



#48

Methyl methacrylate

Concen: 1.524 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. -0.04 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

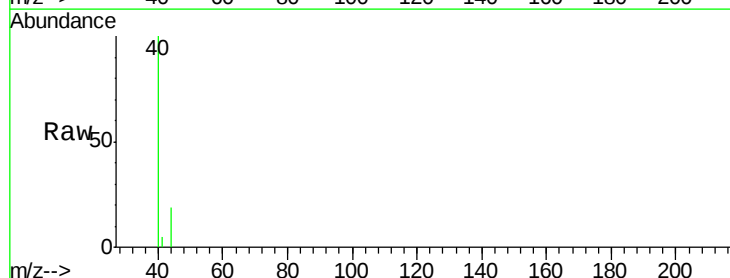
Tgt Ion: 41 Resp: 62

Ion Ratio Lower Upper

41 100

69 0.0 71.8 107.6#

39 106.5 42.2 63.4#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

250

200

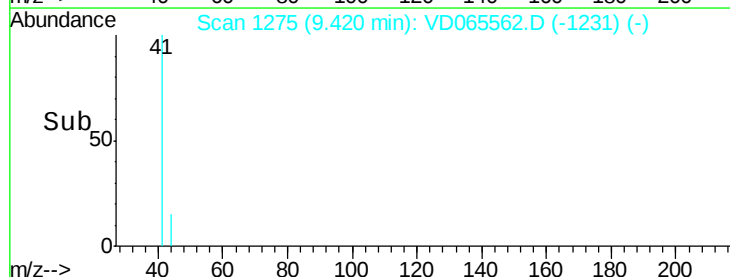
150

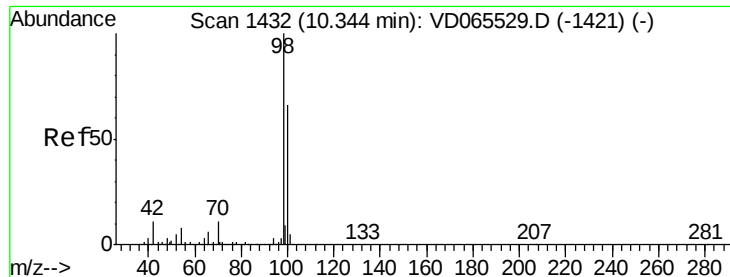
100

50

0

Time--> 9.41 9.42 9.43

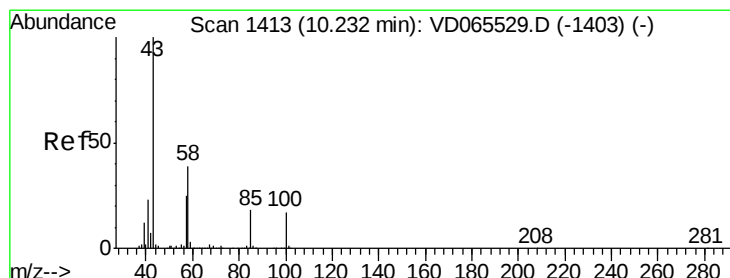
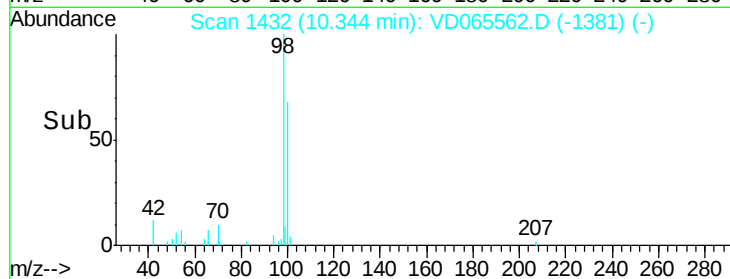
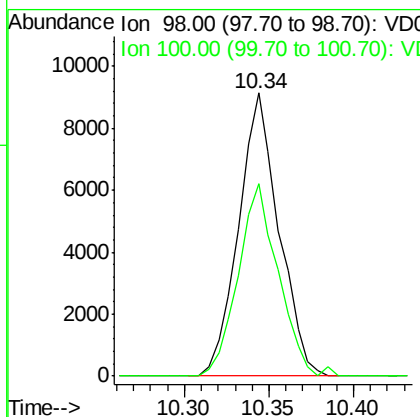
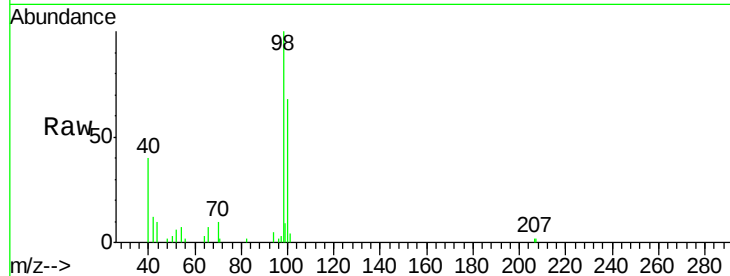




#50
Toluene-d8
Concen: 48.571 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

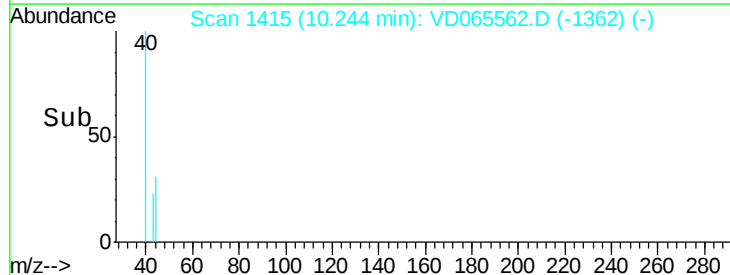
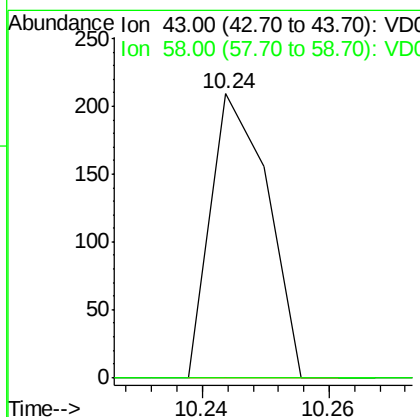
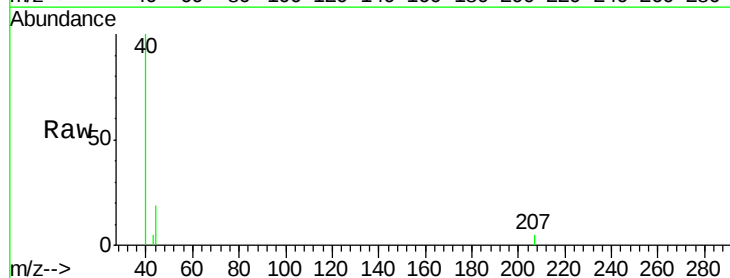
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

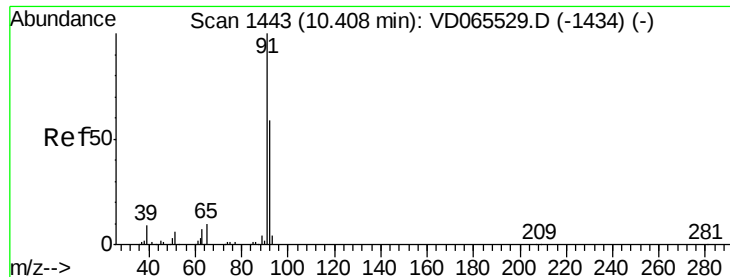
Tot Ion: 98 Resp: 15161
Ion Ratio Lower Upper
98 100
100 67.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 2.988 ug/l
RT: 10.24 min Scan# 1415
Delta R.T. 0.01 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.2#





#52

Toluene

Concen: 1.569 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

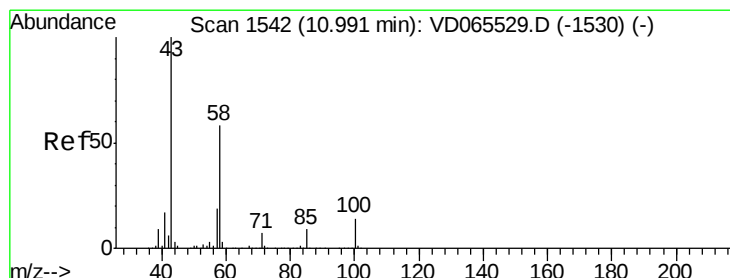
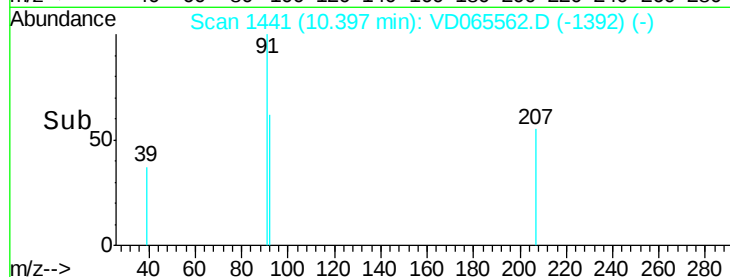
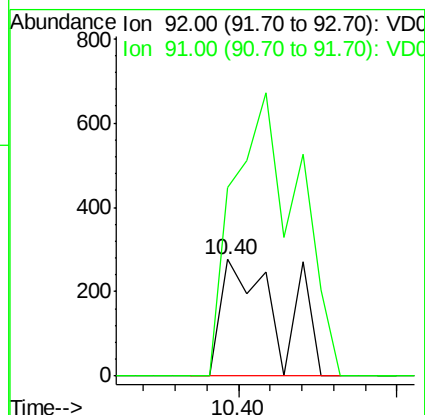
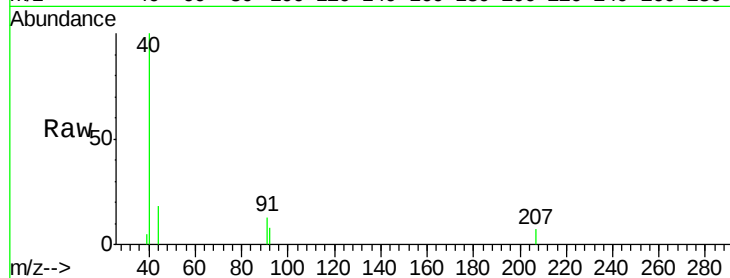
TR-04-032720RE

Tot Ion: 92 Resp: 349

Ion Ratio Lower Upper

92 100

91 271.9 137.3 205.9#



#59

2-Hexanone

Concen: 1.869 ug/l

RT: 11.19 min Scan# 1576

Delta R.T. 0.20 min

Lab File: VD065562.D

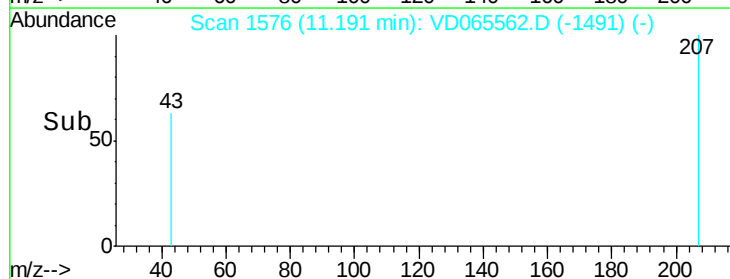
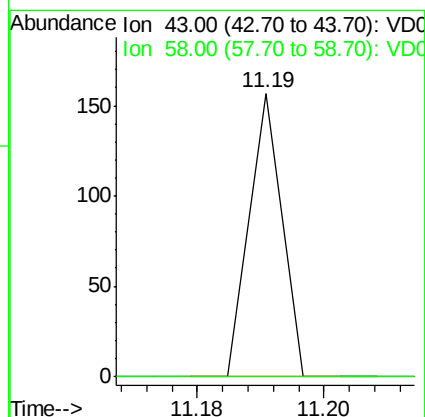
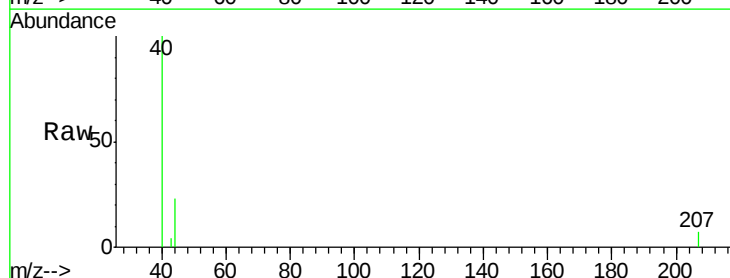
Acq: 31 Mar 2020 13:24

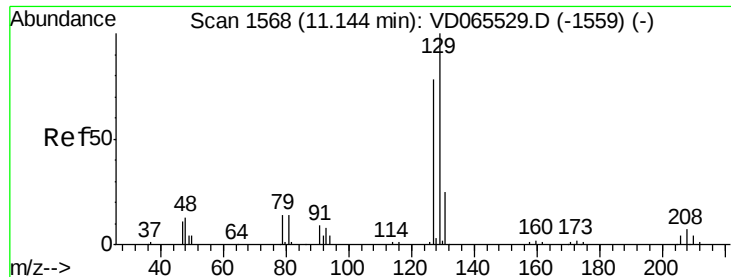
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.7#

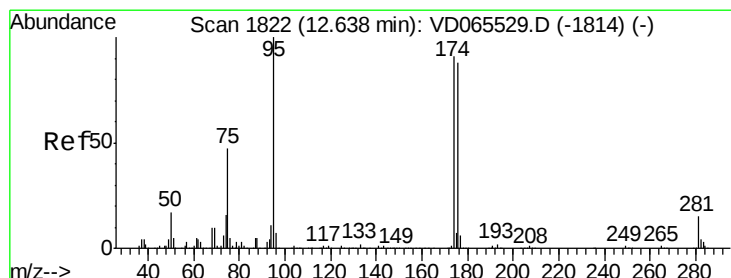
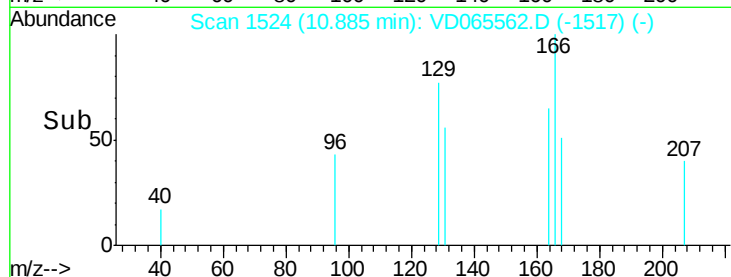
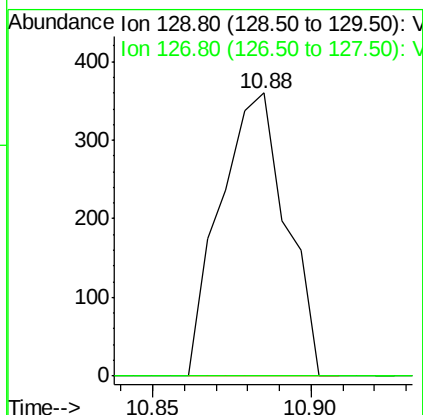
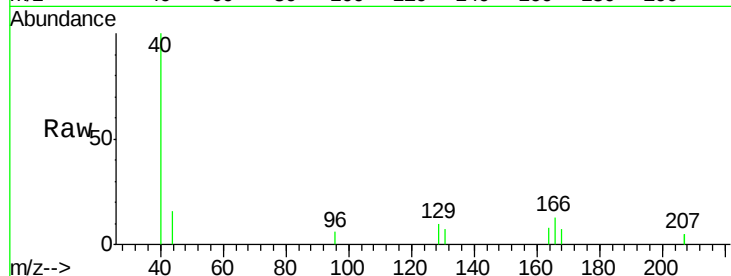




#60
Dibromochloromethane
Concen: 6.109 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.26 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

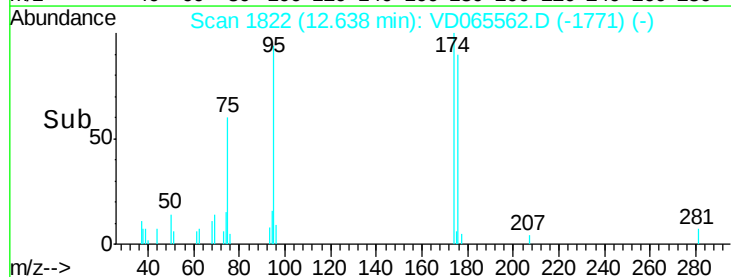
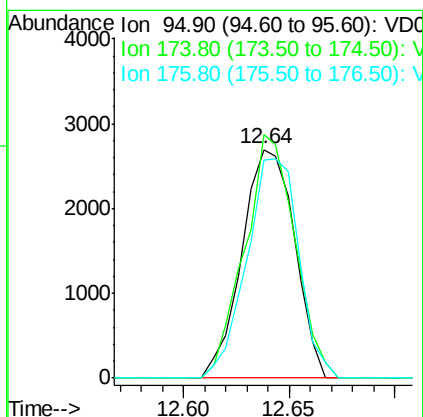
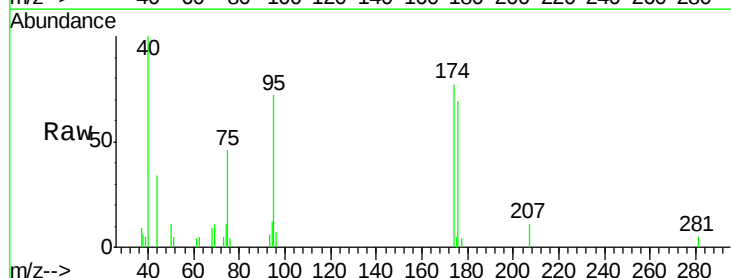
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

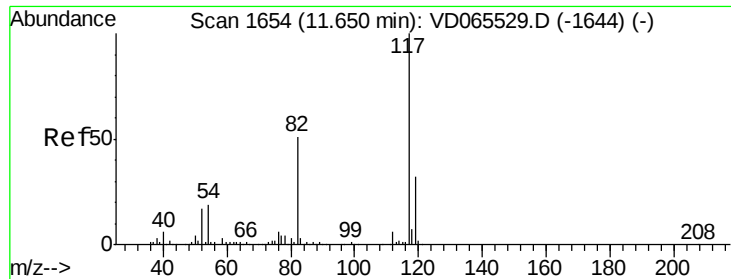
Tot Ion:129 Resp: 517
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 47.108 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 95 Resp: 4667
Ion Ratio Lower Upper
95 100
174 102.1 0.0 183.8
176 95.4 0.0 178.2

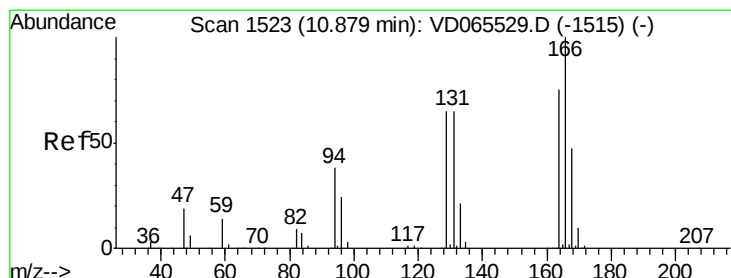
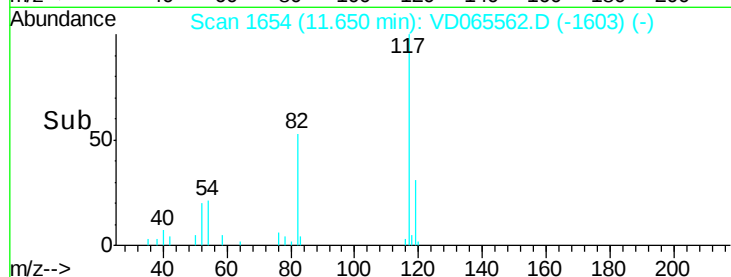
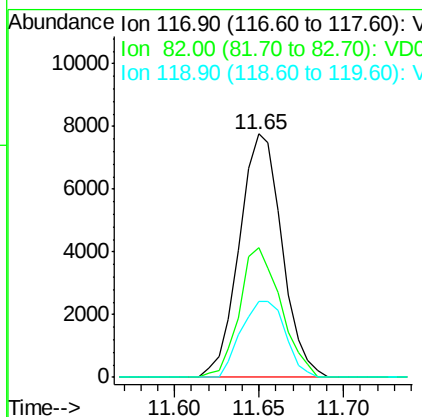
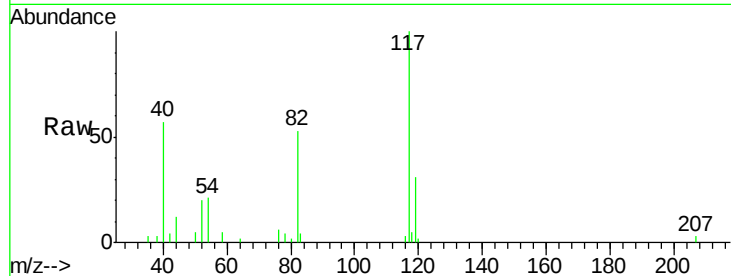




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

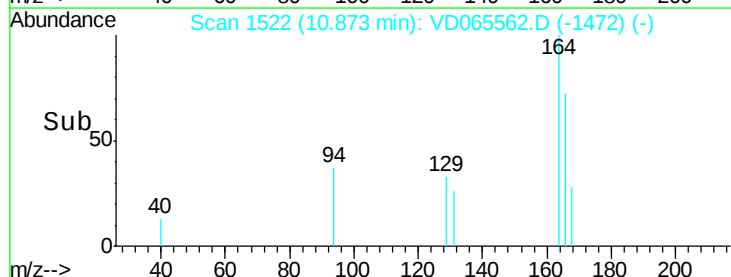
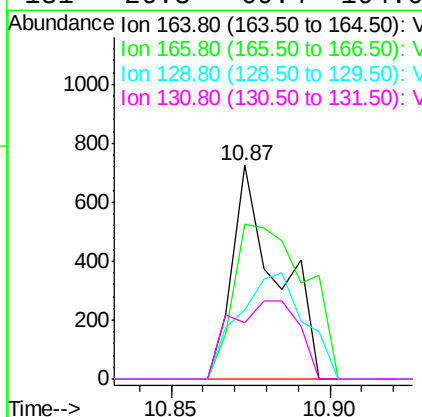
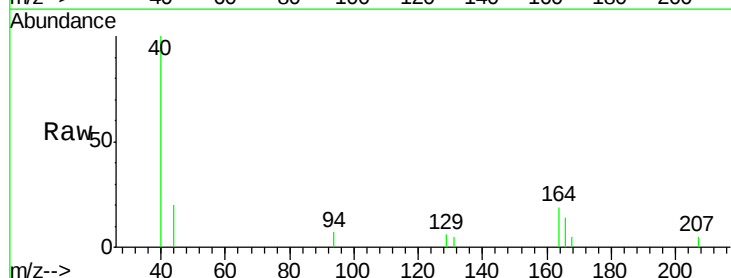
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

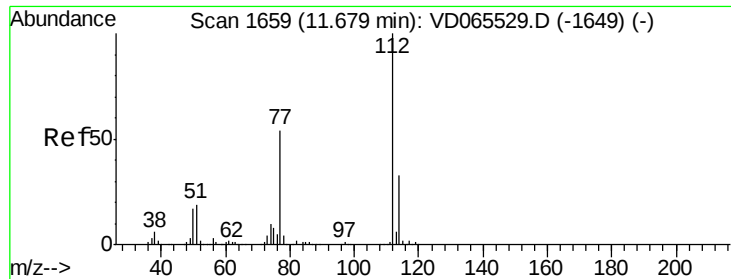
Tot Ion:117 Resp: 13661
Ion Ratio Lower Upper
117 100
82 53.2 41.0 61.6
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 7.307 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion:164 Resp: 715
Ion Ratio Lower Upper
164 100
166 72.4 107.1 160.7#
129 32.6 69.2 103.8#
131 26.3 69.4 104.0#

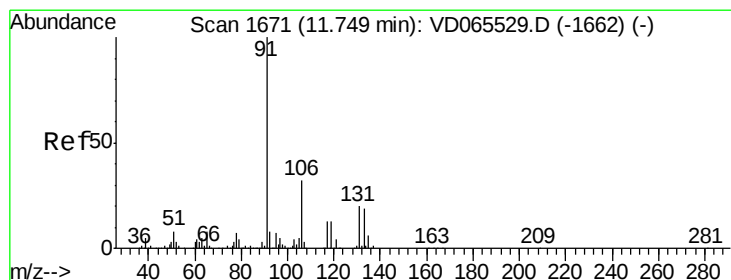
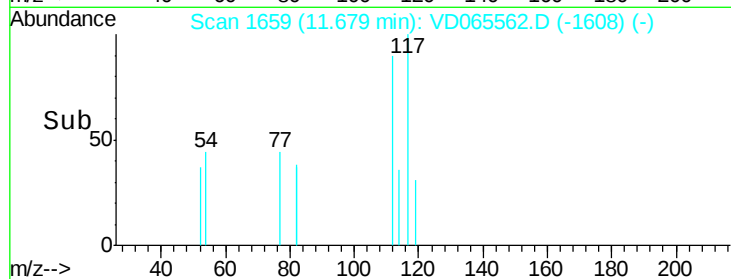
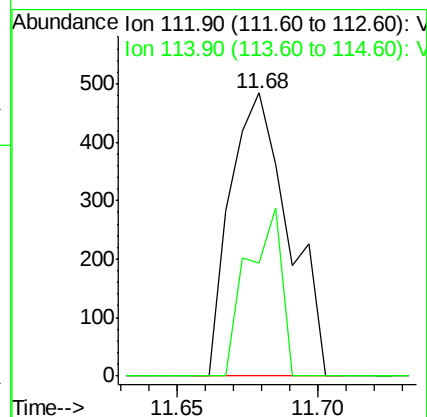
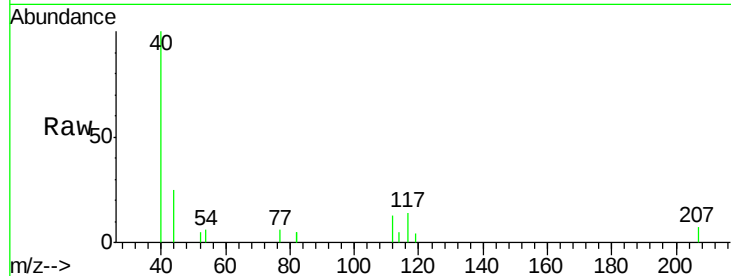




#65
Chlorobenzene
Concen: 2.595 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

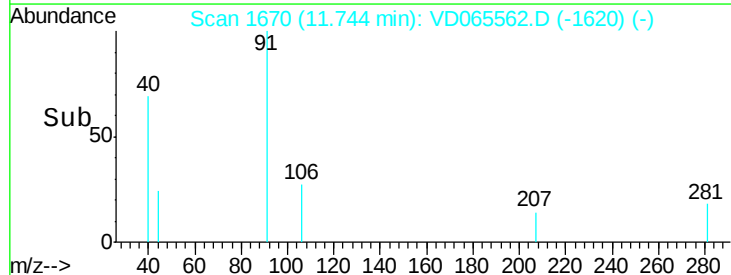
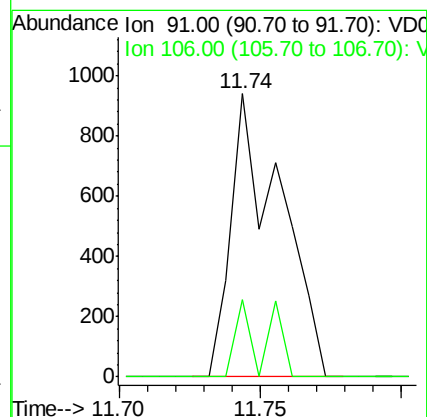
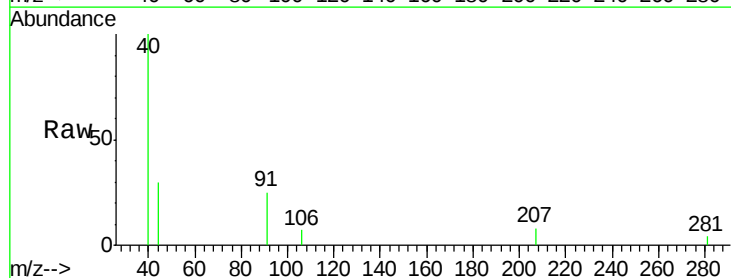
Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

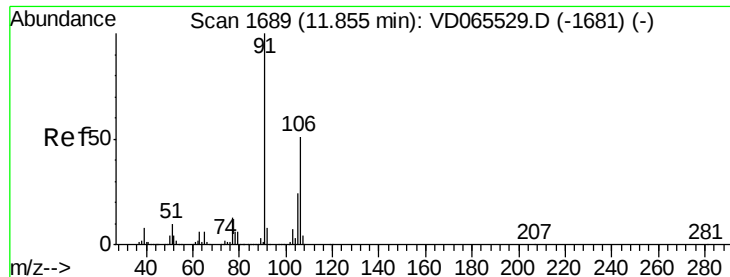
Tot Ion:112 Resp: 693
Ion Ratio Lower Upper
112 100
114 40.1 26.0 39.0#



#67
Ethyl Benzene
Concen: 2.539 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion: 91 Resp: 1142
Ion Ratio Lower Upper
91 100
106 27.4 25.4 38.0

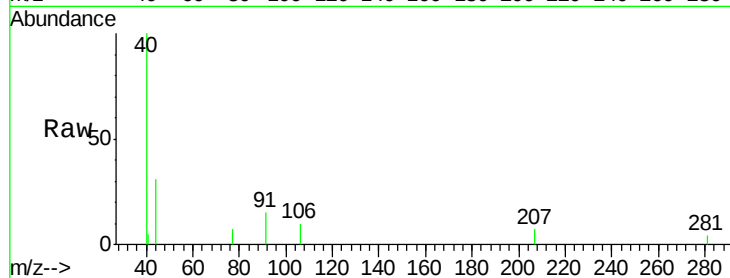




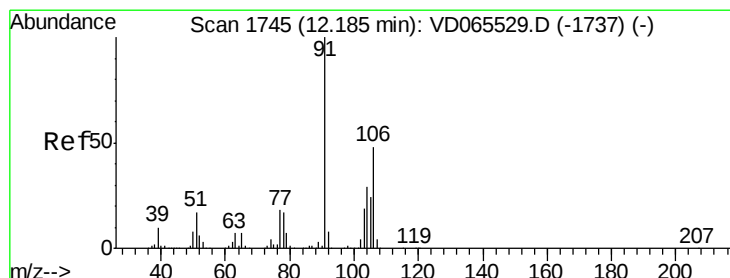
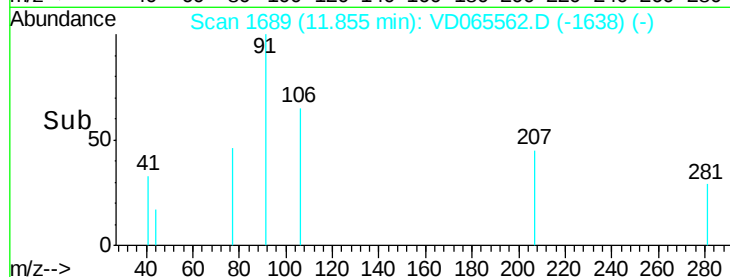
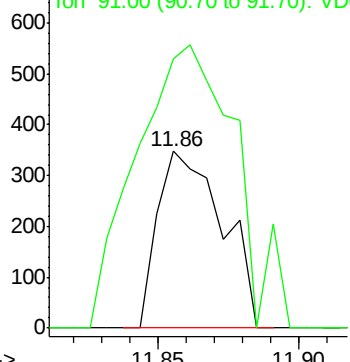
#68
m/p-Xylenes
Concen: 3.131 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-032720RE

Tot Ion:106 Resp: 553
Ion Ratio Lower Upper
106 100
91 246.1 155.4 233.0#

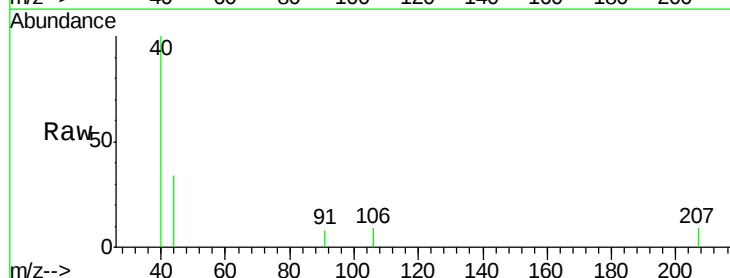


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

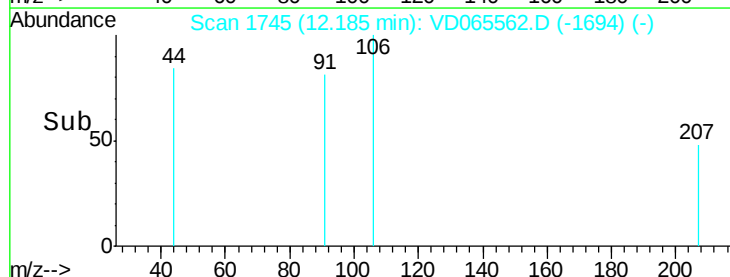
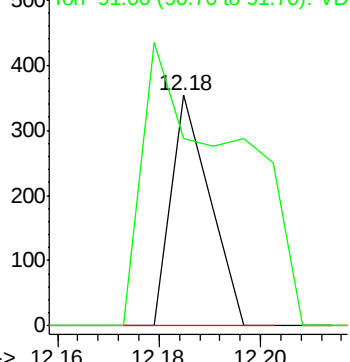


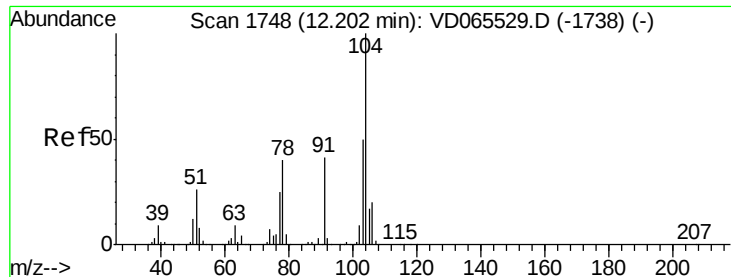
#69
o-Xylene
Concen: 1.215 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065562.D
Acq: 31 Mar 2020 13:24

Tgt Ion:106 Resp: 188
Ion Ratio Lower Upper
106 100
91 288.3 102.8 308.4



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





#70

Stvrene

Concen: 1.248 ug/l

RT: 12.21 min Scan# 1749

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

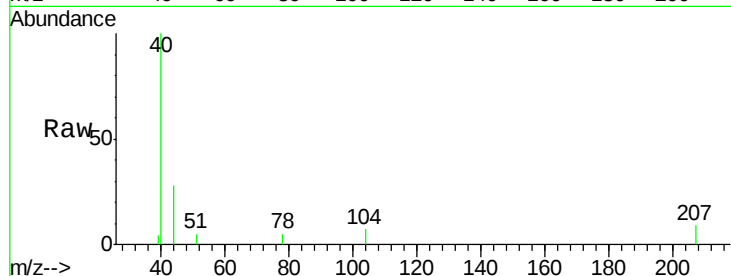
Tot Ion:104 Resp: 341

Ion Ratio Lower Upper

104 100

78 43.7 36.6 55.0

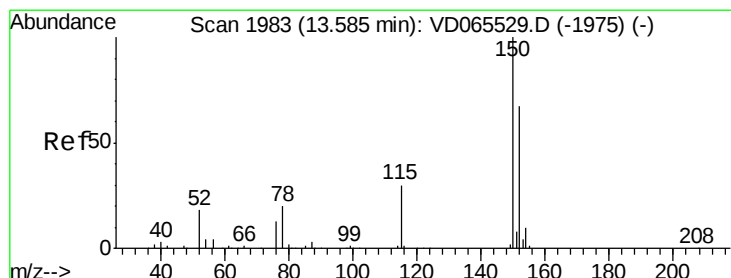
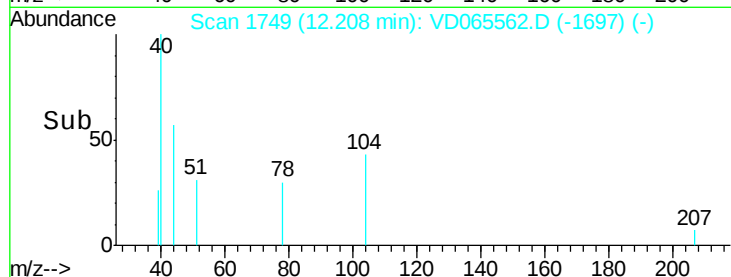
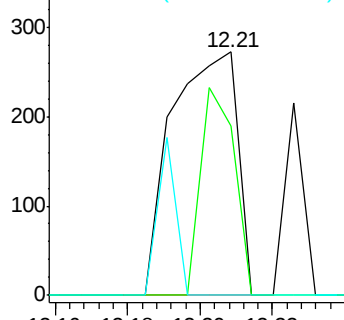
103 18.2 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

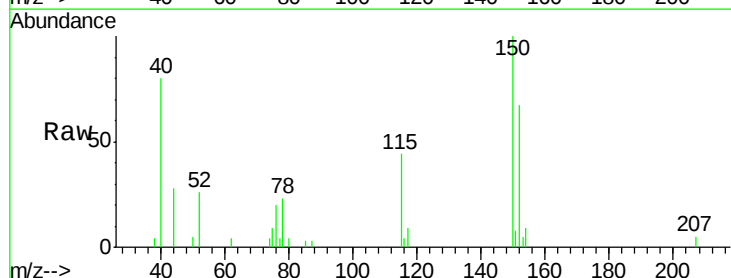
Tgt Ion:152 Resp: 5753

Ion Ratio Lower Upper

152 100

115 55.7 27.2 81.6

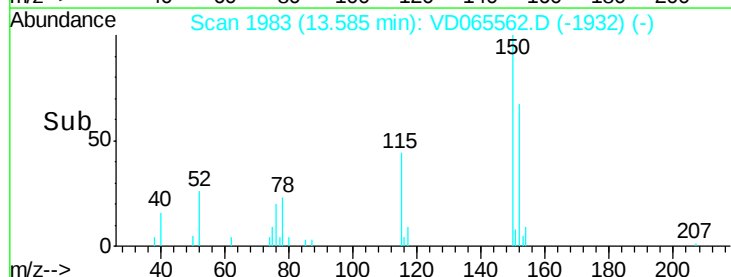
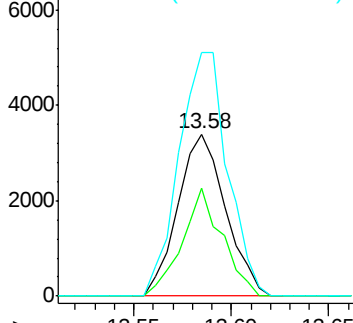
150 153.5 0.0 340.2

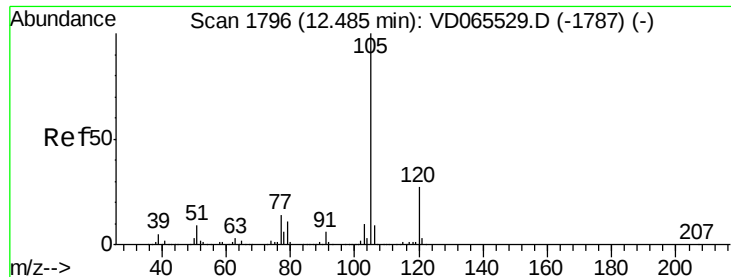


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.018 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

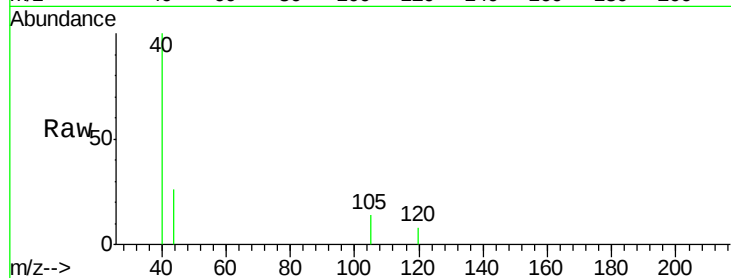
TR-04-032720RE

Tot Ion: 105 Resp: 713

Ion Ratio Lower Upper

105 100

120 21.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

500

400

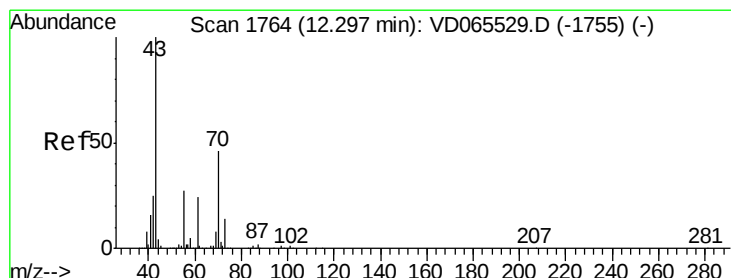
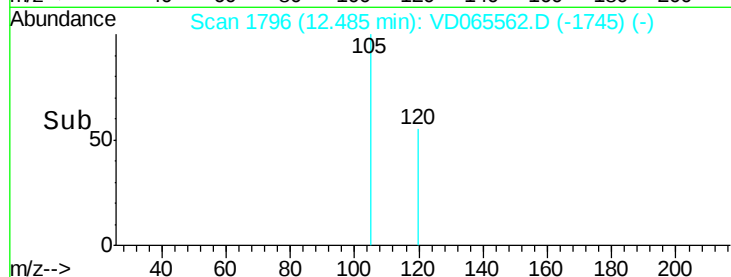
300

200

100

0

Time-->



#74

N-ethyl acetate

Concen: 1.205 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Tgt Ion: 43 Resp: 84

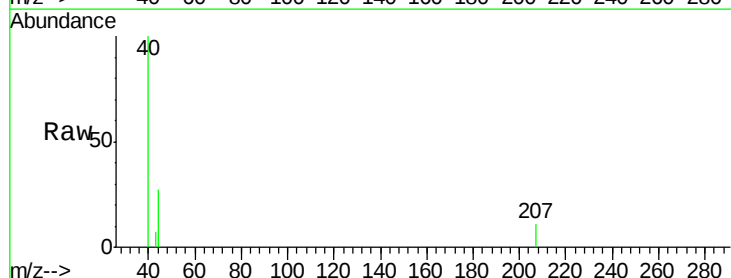
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 0.0 22.2 33.4#

61 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

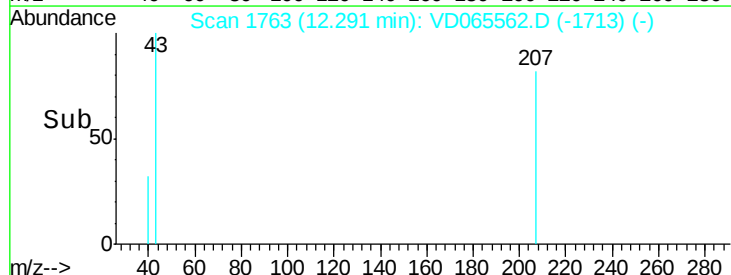
300

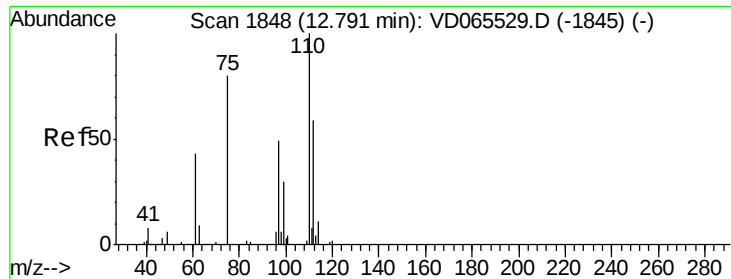
200

100

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 59.327 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

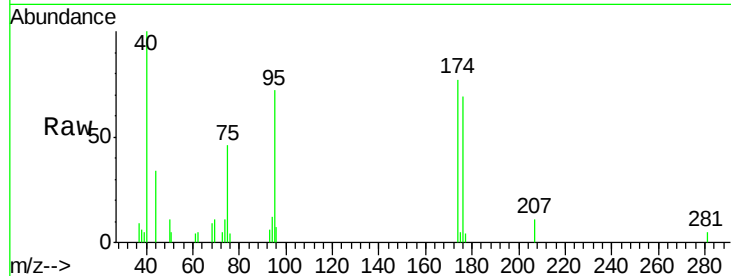
TR-04-032720RE

Tot Ion: 75 Resp: 2624

Ion Ratio Lower Upper

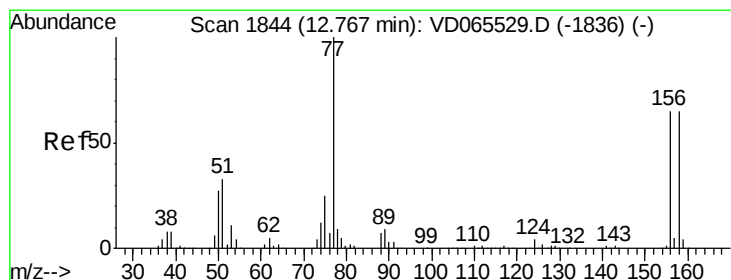
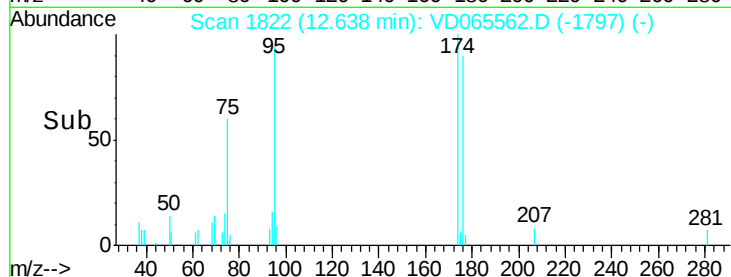
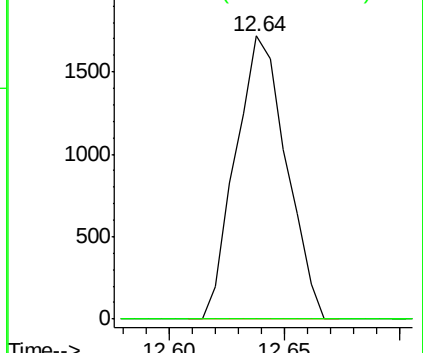
75 100

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: 1.527 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

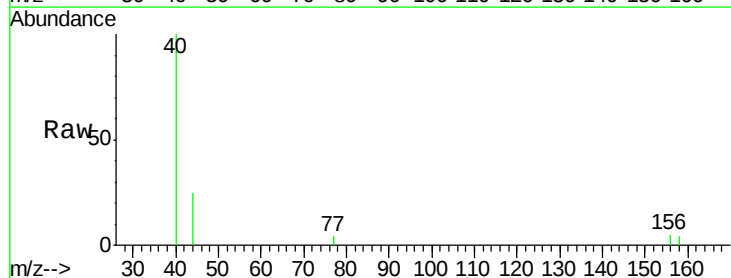
Tgt Ion: 156 Resp: 141

Ion Ratio Lower Upper

156 100

77 202.8 81.8 245.3

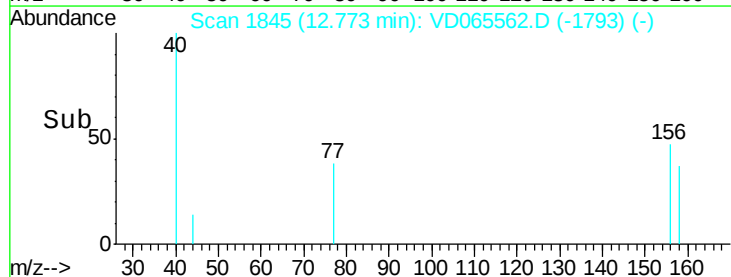
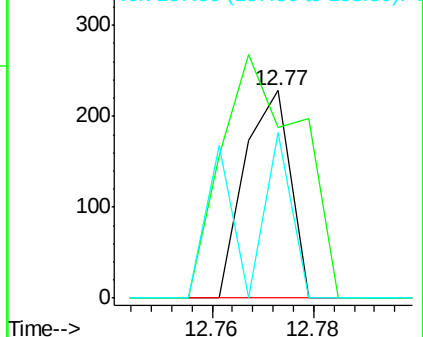
158 87.2 49.1 147.4

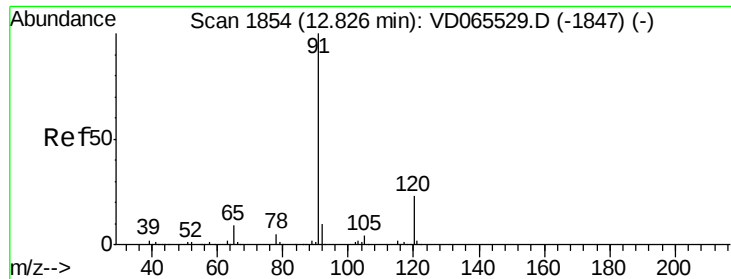


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 2.874 ug/l

RT: 12.84 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

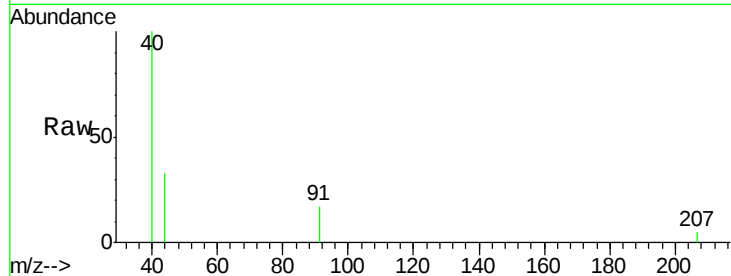
TR-04-032720RE

Tot Ion: 91 Resp: 1210

Ion Ratio Lower Upper

91 100

120 16.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.84

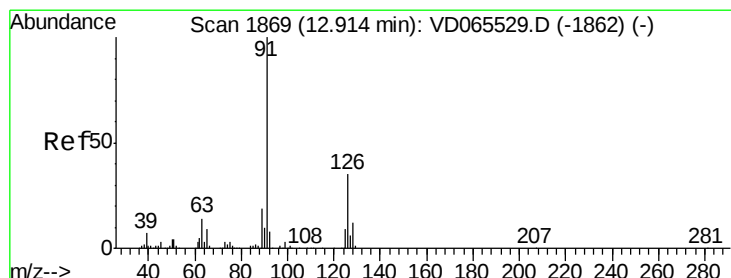
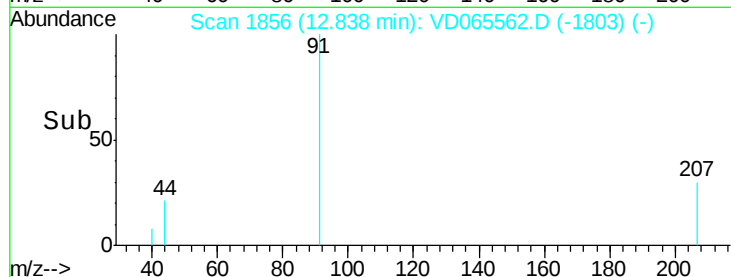
600

400

200

0

Time-->



#79

2-Chlorotoluene

Concen: 2.227 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.11 min

Lab File: VD065562.D

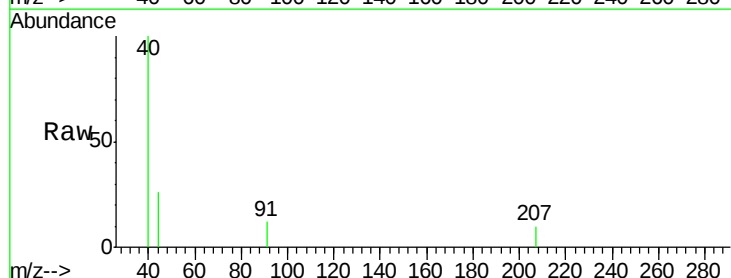
Acq: 31 Mar 2020 13:24

Tgt Ion: 91 Resp: 535

Ion Ratio Lower Upper

91 100

126 49.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

13.02

500

400

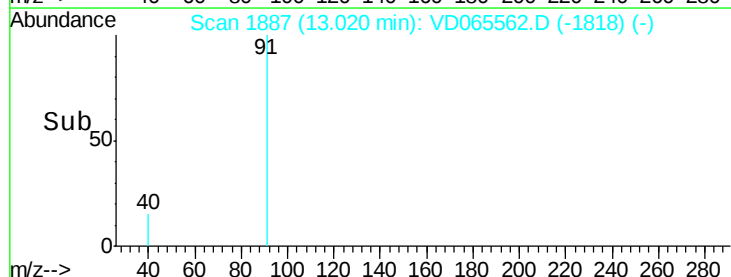
300

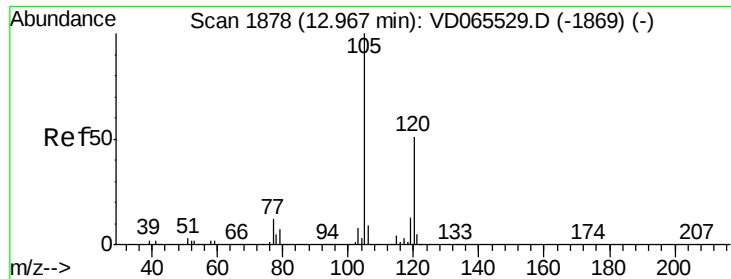
200

100

0

Time-->

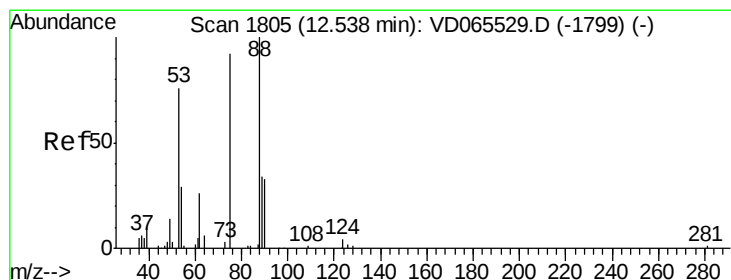
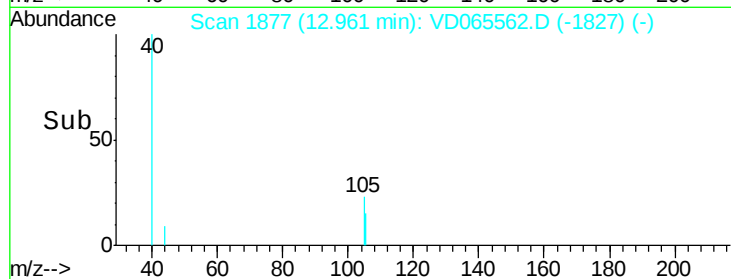
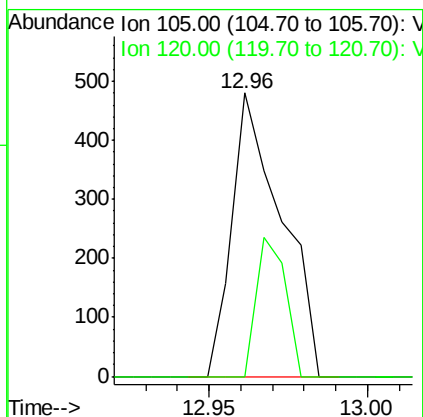
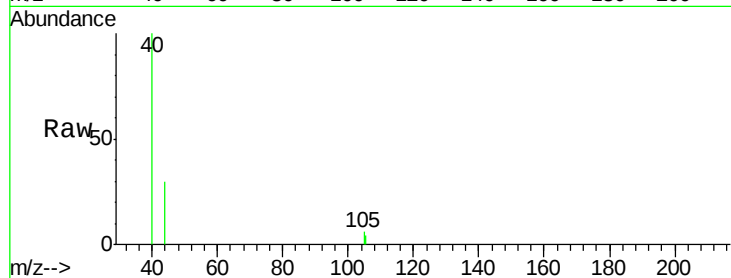




#80
 1,3,5-Trimethylbenzene
 Concen: 1.773 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

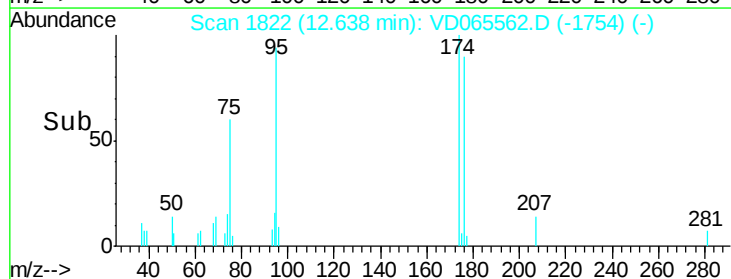
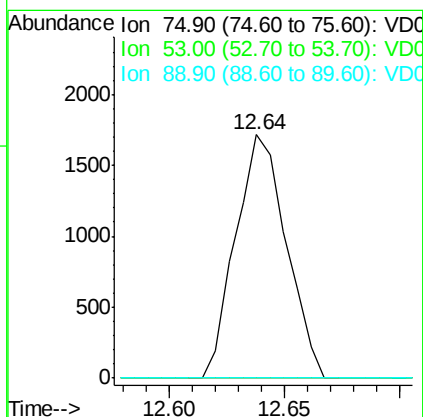
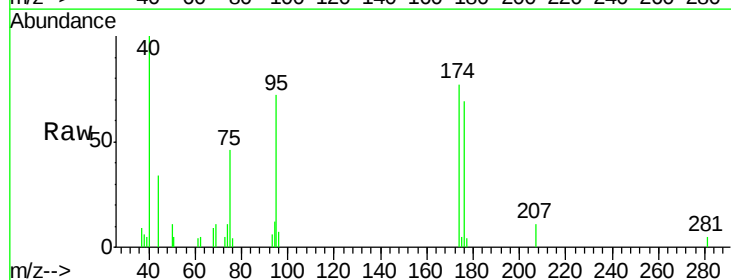
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

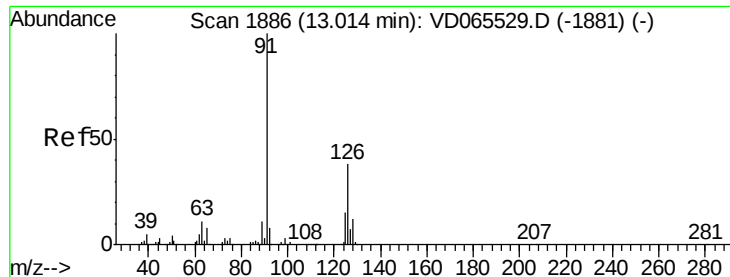
Tot Ion:105 Resp: 519
 Ion Ratio Lower Upper
 105 100
 120 29.1 25.6 76.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.429 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Tgt Ion: 75 Resp: 2624
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 2.096 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

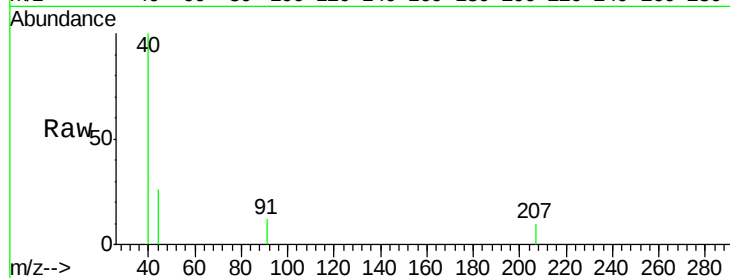
TR-04-032720RE

Tot Ion: 91 Resp: 535

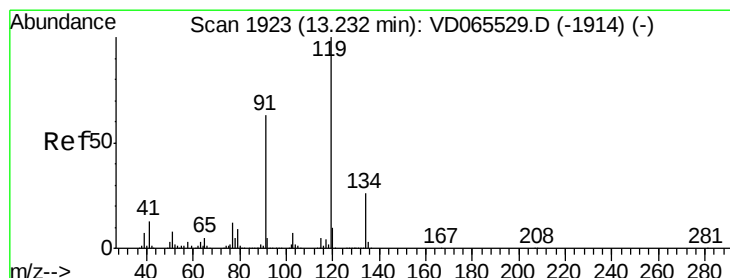
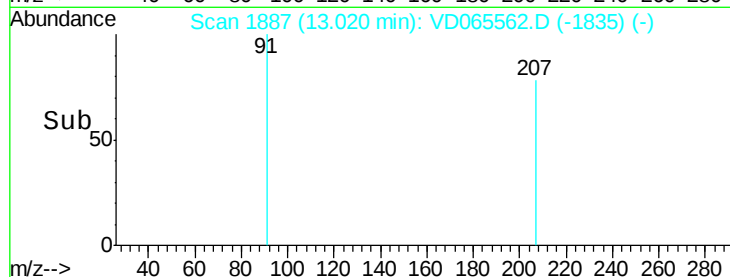
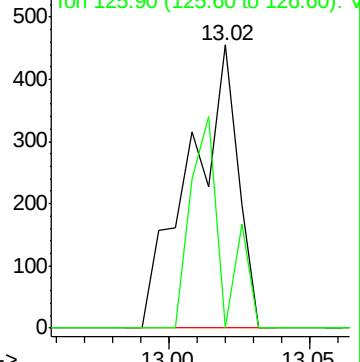
Ion Ratio Lower Upper

91 100

126 49.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1881) (-)



#83

tert-Butylbenzene

Concen: 2.683 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

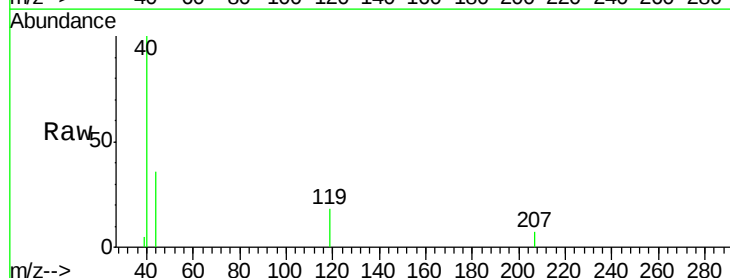
Tgt Ion: 119 Resp: 658

Ion Ratio Lower Upper

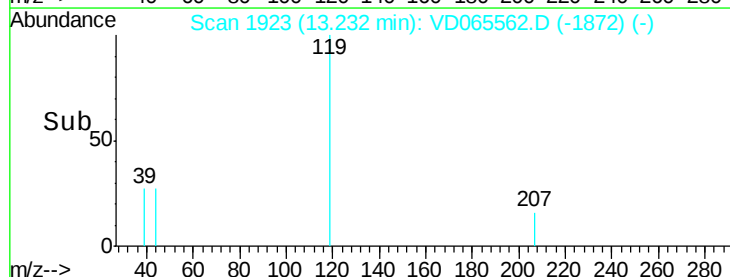
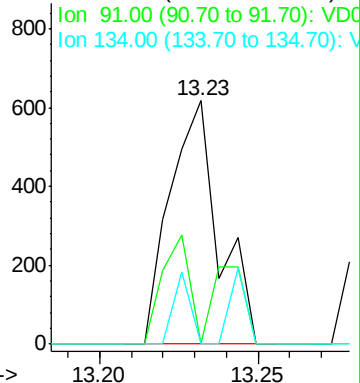
119 100

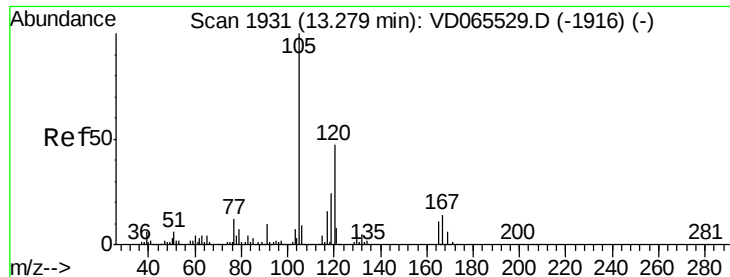
91 24.9 31.4 94.0#

134 9.9 13.9 41.6#



Abundance Ion 119.00 (118.70 to 119.70): VD065529.D (-1914) (-)





#84

1,2,4-Trimethylbenzene

Concen: 1.626 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

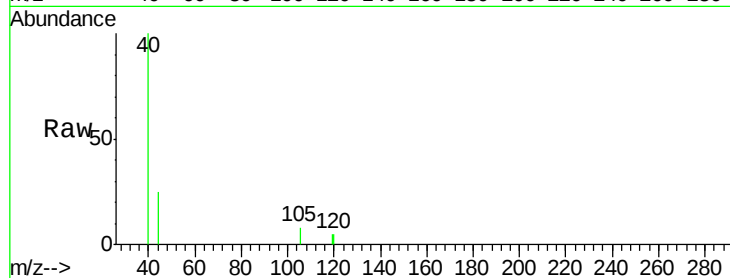
TR-04-032720RE

Tot Ion:105 Resp: 476

Ion Ratio Lower Upper

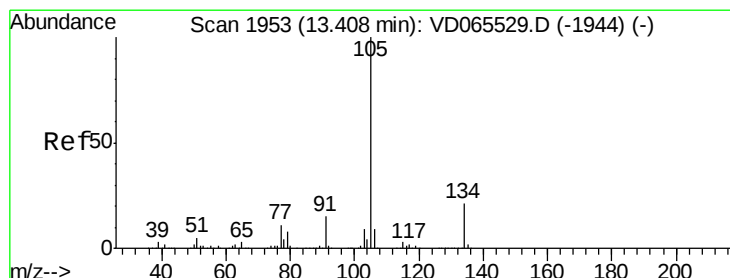
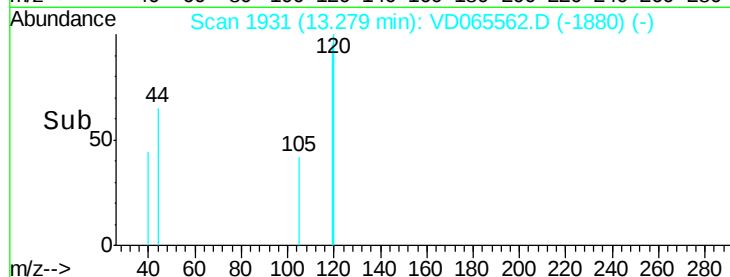
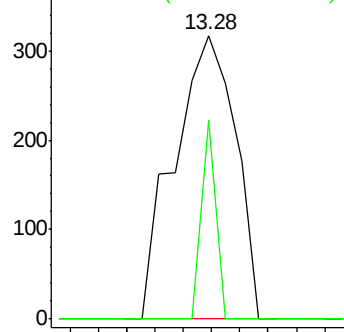
105 100

120 16.4 23.5 70.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.861 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065562.D

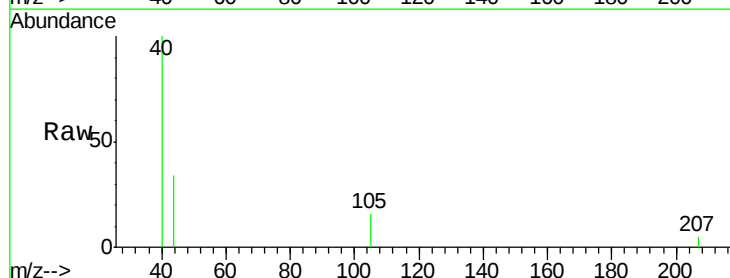
Acq: 31 Mar 2020 13:24

Tgt Ion:105 Resp: 1004

Ion Ratio Lower Upper

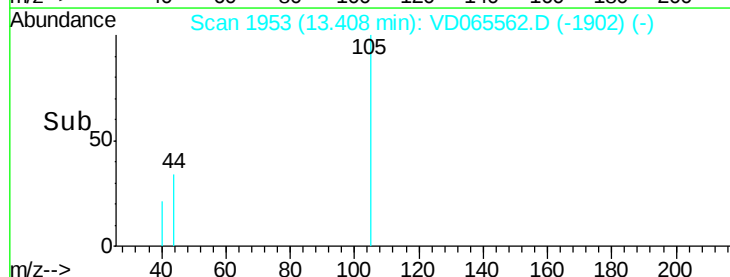
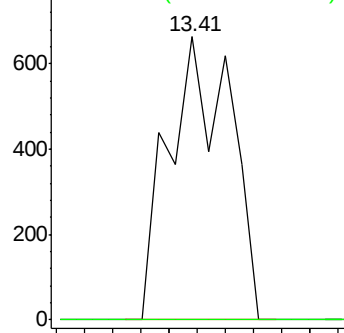
105 100

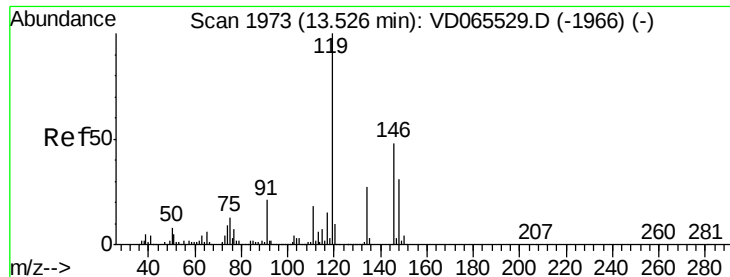
134 0.0 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

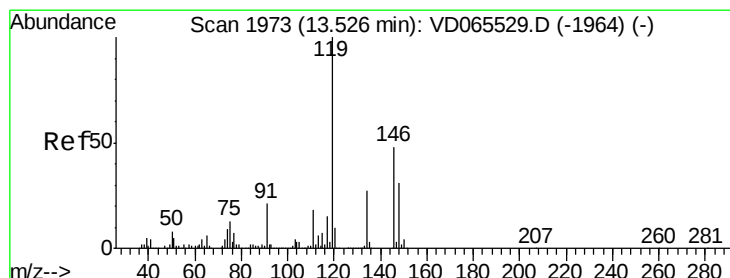
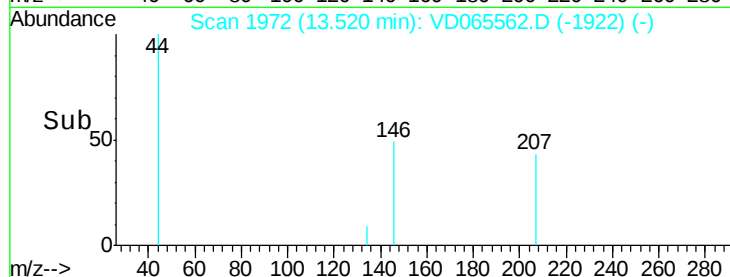
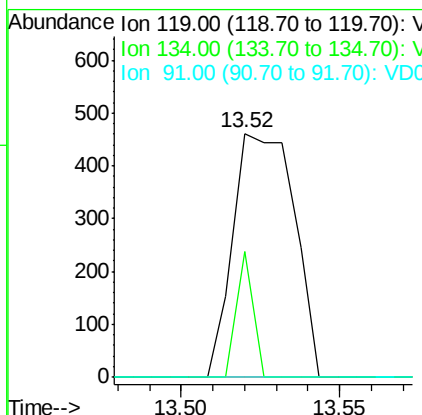
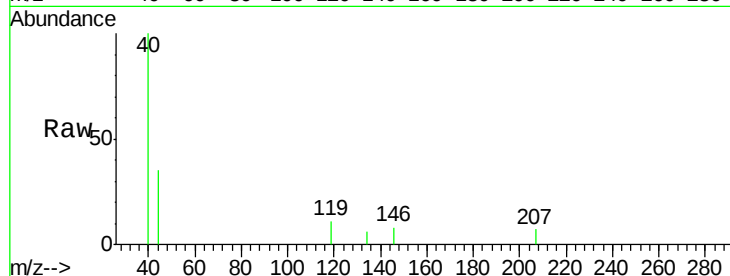




#86
 p-Isopropyltoluene
 Concen: 1.908 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

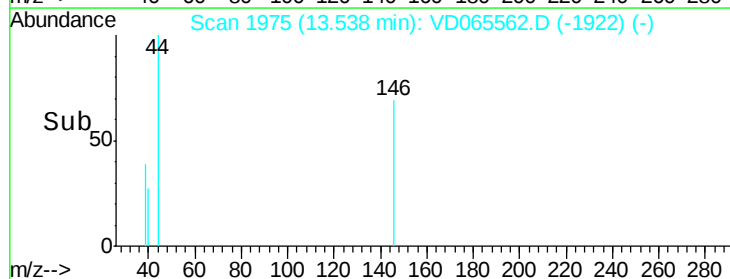
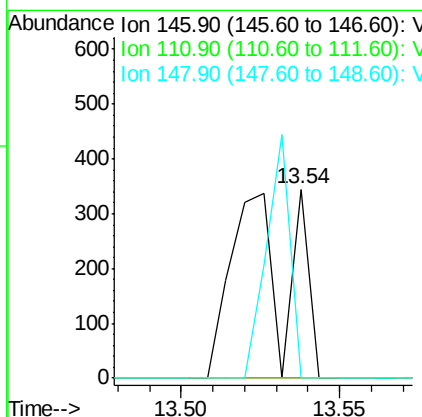
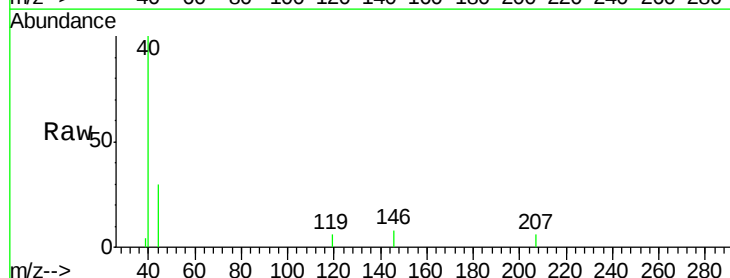
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

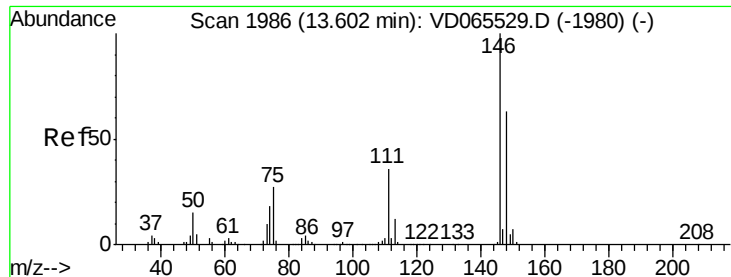
Tot Ion	Ratio	Lower	Upper
119	100		
134	13.6	13.5	40.5
91	0.0	10.8	32.3#



#87
 1,3-Dichlorobenzene
 Concen: 2.347 ug/l
 RT: 13.54 min Scan# 1975
 Delta R.T. 0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.5	55.5#
148	55.2	31.8	95.4





#88

1,4-Dichlorobenzene

Concen: 3.013 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

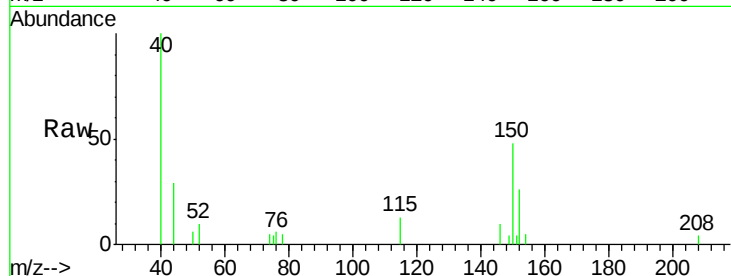
Tot Ion:146 Resp: 535

Ion Ratio Lower Upper

146 100

111 13.3 18.0 54.0#

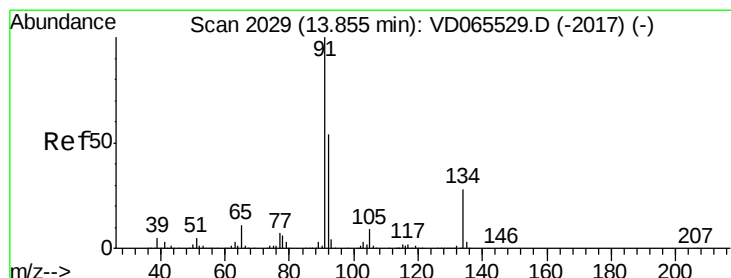
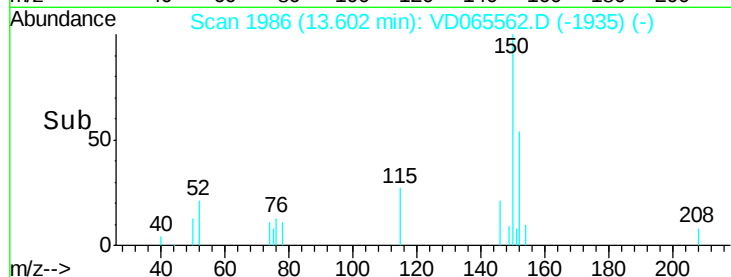
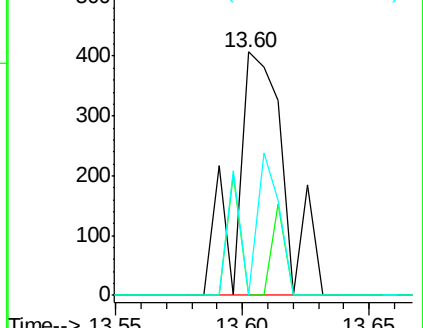
148 0.0 31.6 94.8#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.602 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

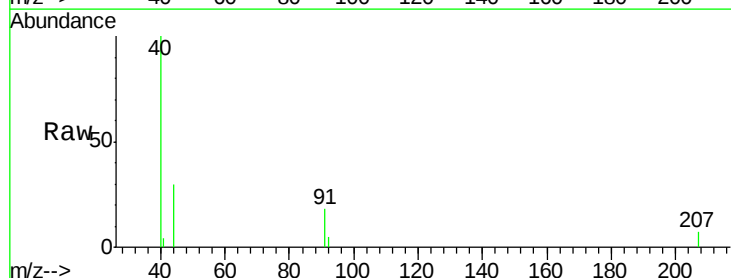
Tgt Ion: 91 Resp: 764

Ion Ratio Lower Upper

91 100

92 62.7 26.8 80.4

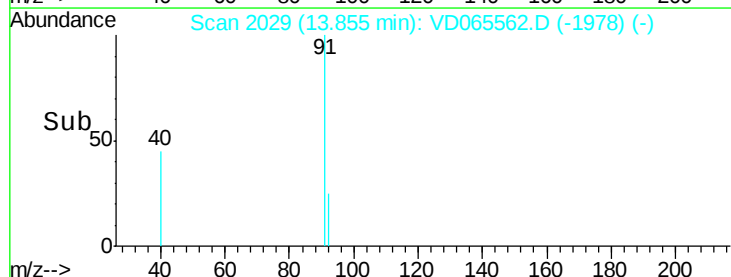
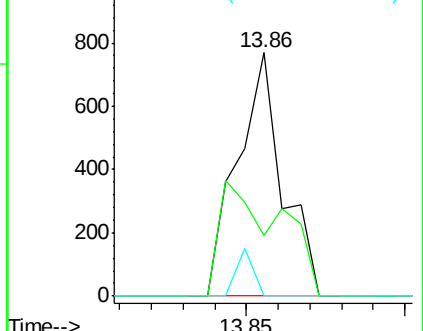
134 6.9 13.7 41.0#

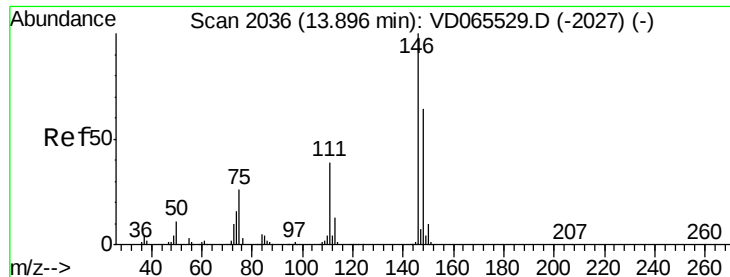


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

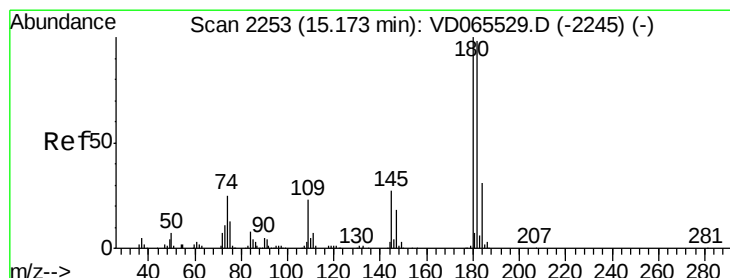
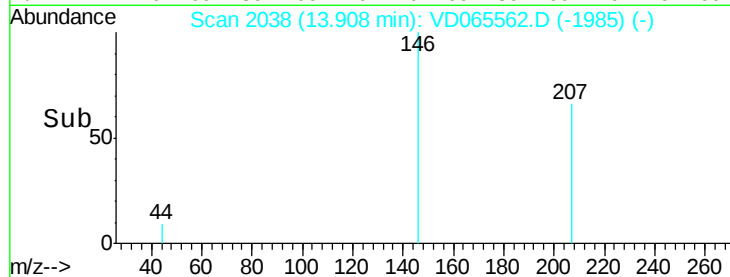
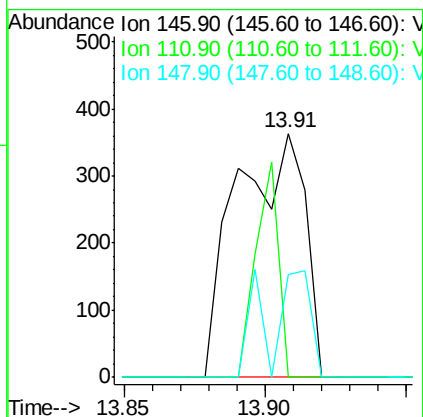
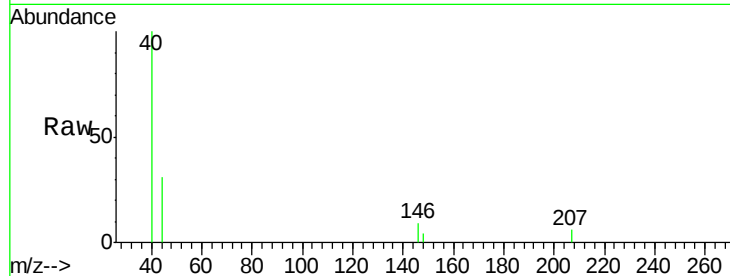




#91
 1,2-Dichlorobenzene
 Concen: 4.044 ug/l
 RT: 13.91 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

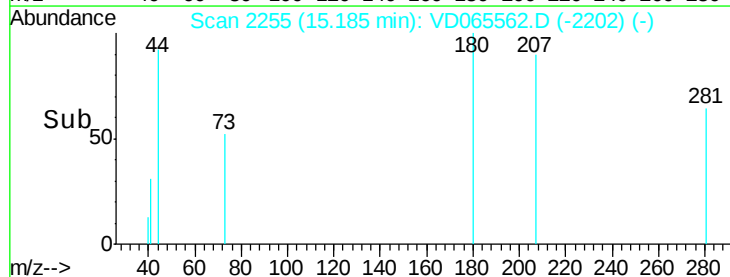
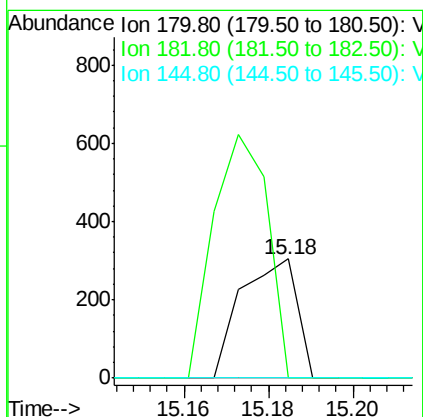
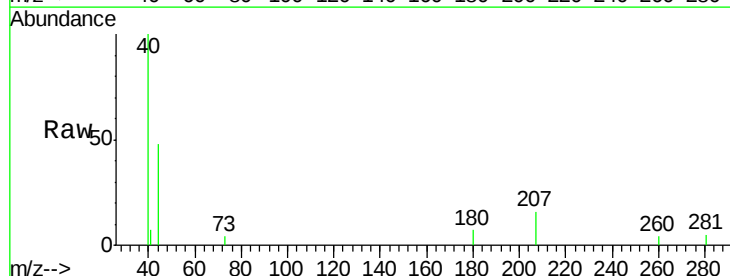
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-032720RE

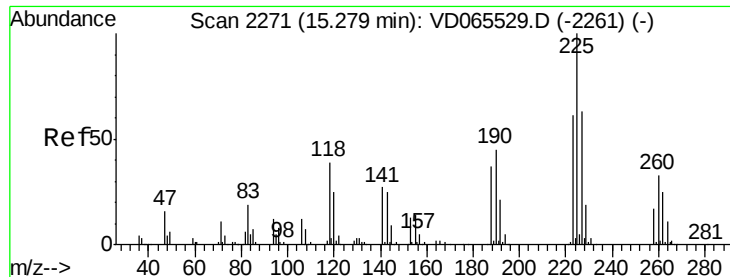
Tot Ion:146 Resp: 610
 Ion Ratio Lower Upper
 146 100
 111 29.3 19.4 58.4
 148 27.4 32.1 96.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.684 ug/l
 RT: 15.18 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: VD065562.D
 Acq: 31 Mar 2020 13:24

Tgt Ion:180 Resp: 280
 Ion Ratio Lower Upper
 180 100
 182 196.8 48.1 144.3#
 145 0.0 13.9 41.6#





#94

Hexachlorobutadiene

Concen: 5.928 ug/l

RT: 15.28 min Scan# 2272

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE

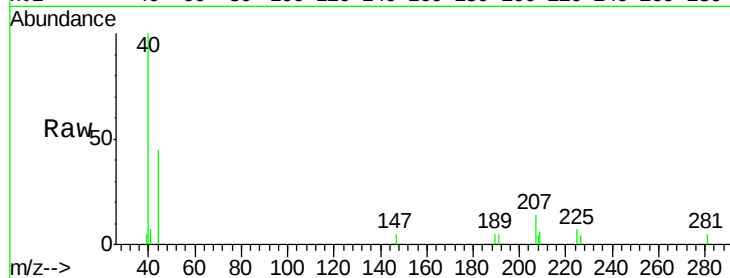
Tot Ion:225 Resp: 403

Ion Ratio Lower Upper

225 100

223 0.0 31.2 93.6#

227 54.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.28

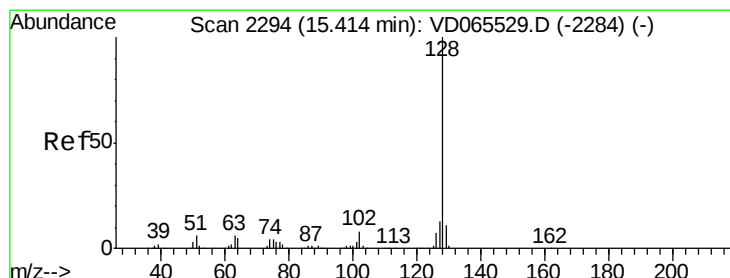
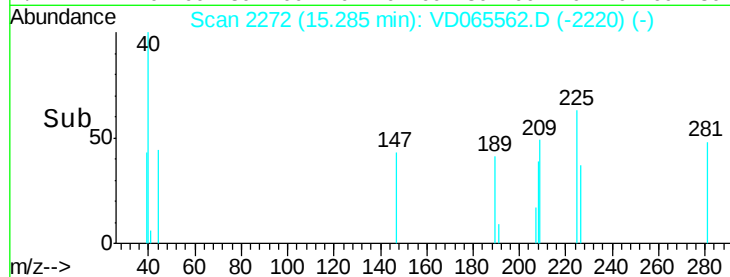
300

200

100

0

Time-->



#95

Naphthalene

Concen: 9.243 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065562.D

Acq: 31 Mar 2020 13:24

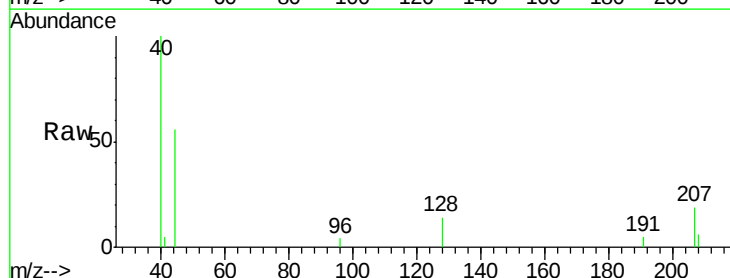
Tgt Ion:128 Resp: 957

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.42

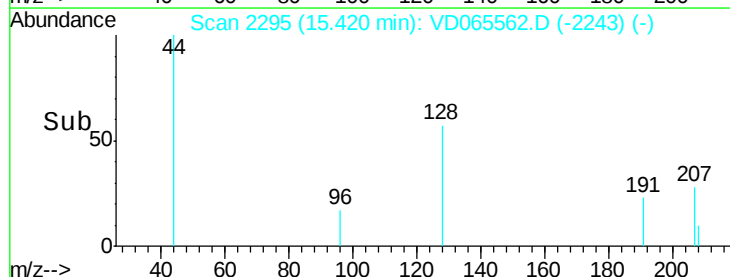
600

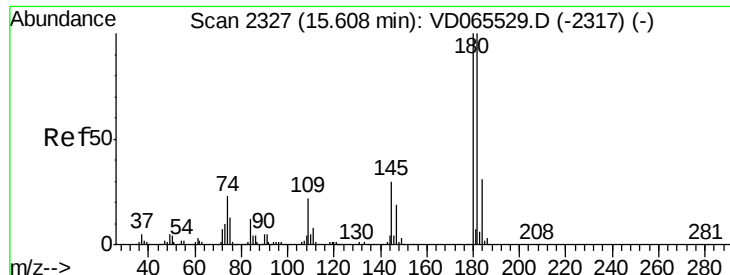
400

200

0

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 3.594 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065562.D

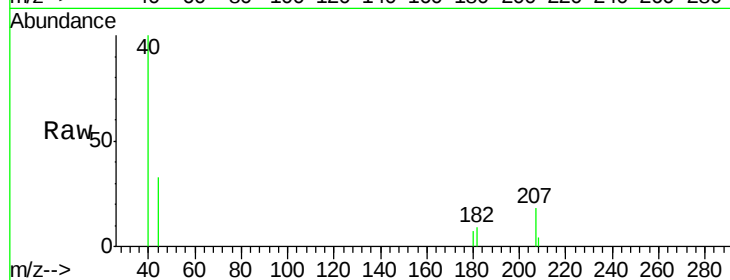
Acq: 31 Mar 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-032720RE



Tot Ion:	180	Resp:	322
Ion	Ratio	Lower	Upper
180	100		
182	88.5	48.1	144.3
145	0.0	15.0	45.0#

