

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066443.D
 Acq On : 27 Aug 2020 18:11
 Operator : VA/SY
 Sample : L3816-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ALMASI-2

Quant Time: Aug 28 01:49:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	170299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	241541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	229414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	100335	60.10	ug/l	0.00
Spiked Amount			Recovery	=	120.20%	
35) Dibromofluoromethane	7.91	113	76769	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.33	98	283555	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.63	95	97386	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

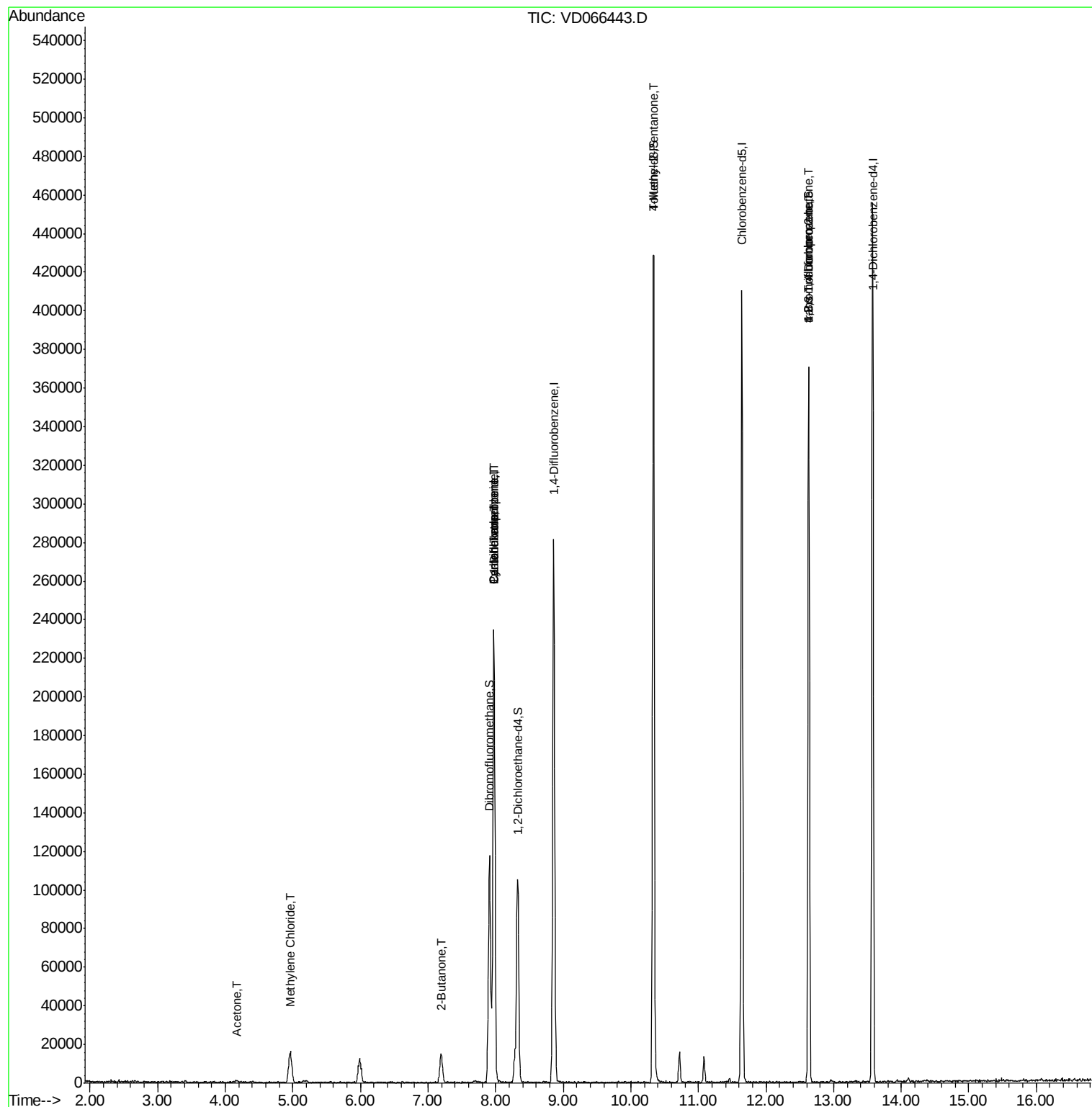
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	393	Below Cal	#	71
16) Acetone	4.17	43	1825	6.063	ug/l #	85
20) Methylene Chloride	4.97	84	13140	2.103	ug/l	85
25) 2-Butanone	7.20	43	708	2.072	ug/l #	47
31) Cyclohexane	7.97	56	3952	1.705	ug/l #	13
36) 1,1-Dichloropropene	7.97	75	12094	5.488	ug/l #	52
38) Carbon Tetrachloride	7.97	117	17514	6.100	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	1295	1.779	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	59563	70.192	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	59563	148.995	ug/l #	6

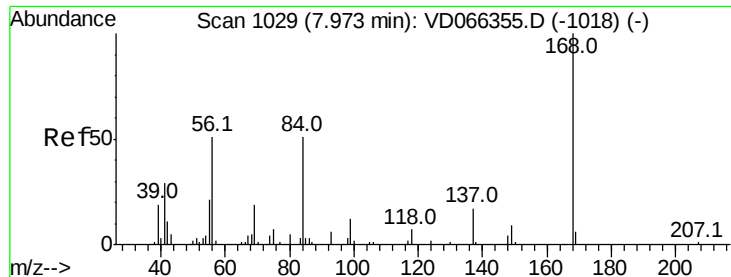
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082720\
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Quant Time: Aug 28 01:49:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

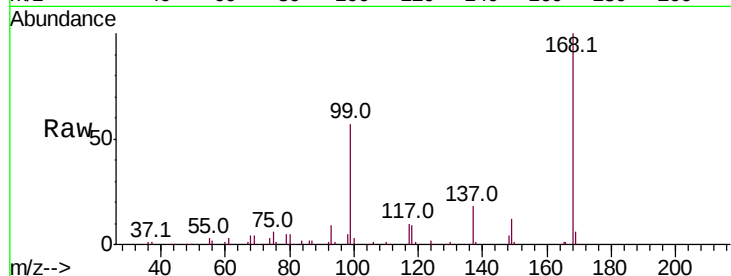
ALMASI-2

Tot Ion:168 Resp: 170299

Ion Ratio Lower Upper

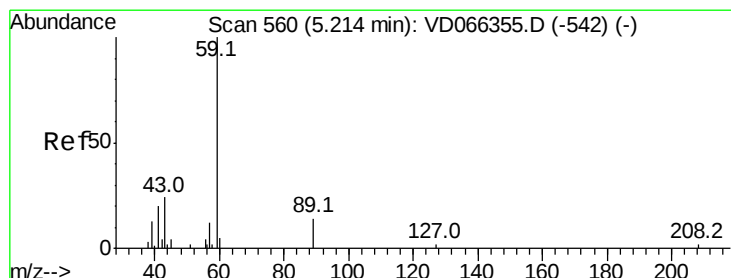
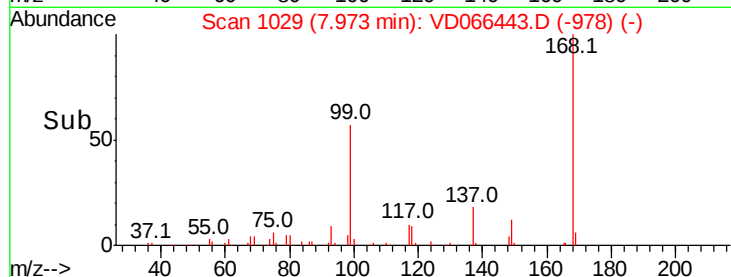
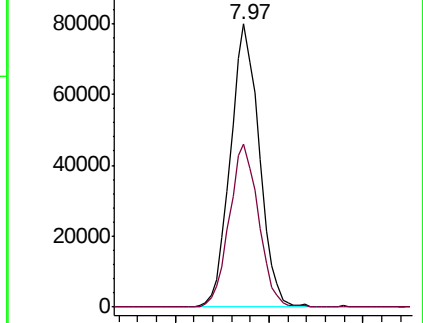
168 100

99 57.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD066443.D

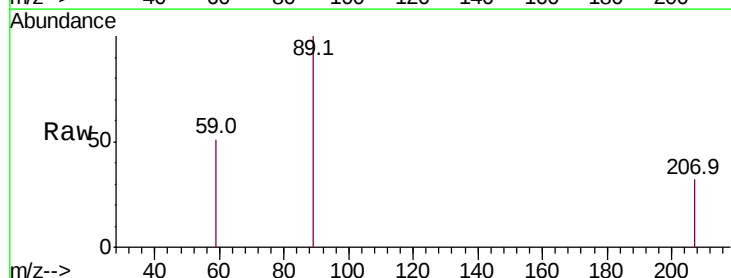
Acq: 27 Aug 2020 18:11

Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

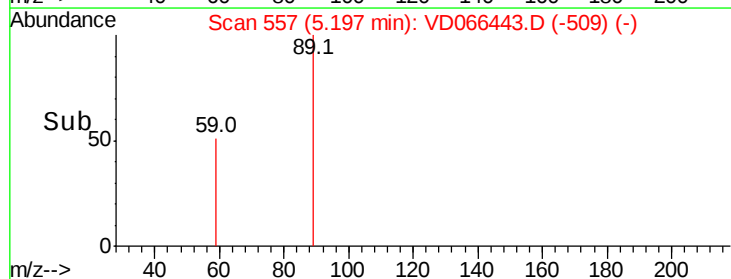
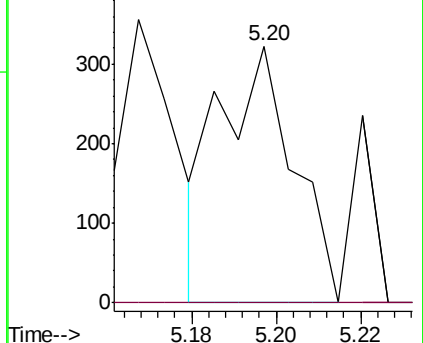
59 100

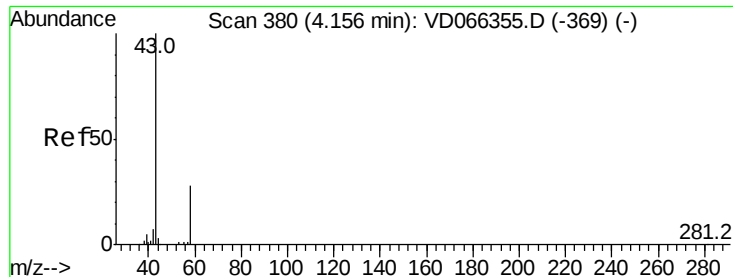
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 6.063 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

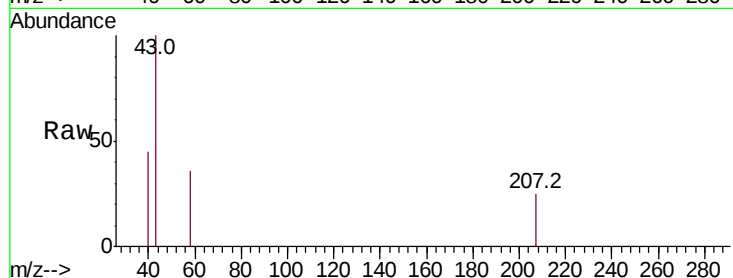
ALMASI-2

Tot Ion: 43 Resp: 1825

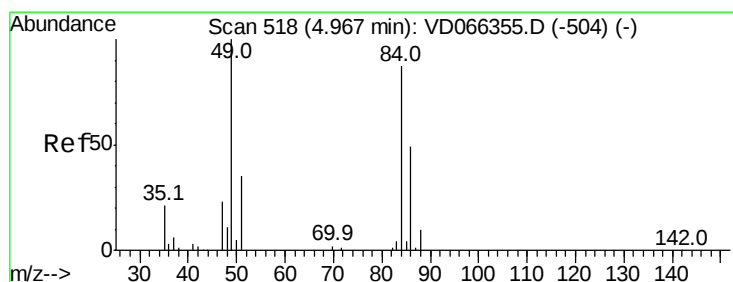
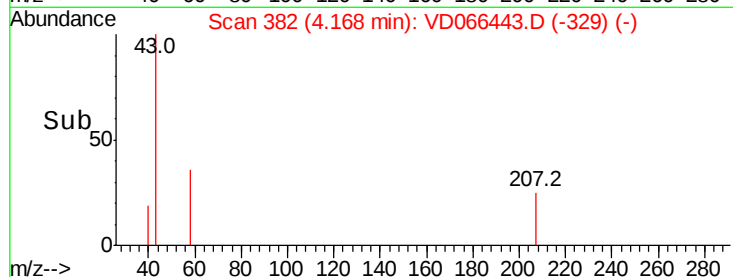
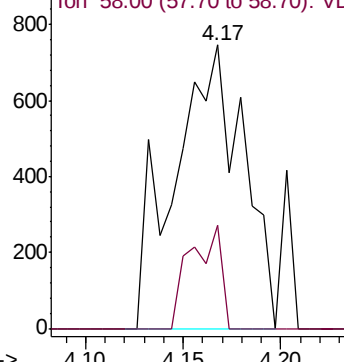
Ion Ratio Lower Upper

43 100

58 36.5 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#20

Methylene Chloride

Concen: 2.103 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

Tgt Ion: 84 Resp: 13140

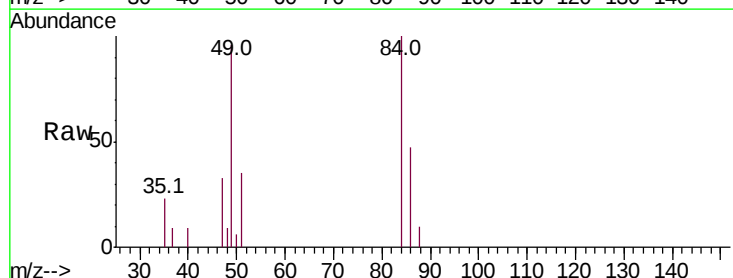
Ion Ratio Lower Upper

84 100

49 96.3 92.5 138.7

51 34.8 32.5 48.7

86 46.9 45.0 67.6

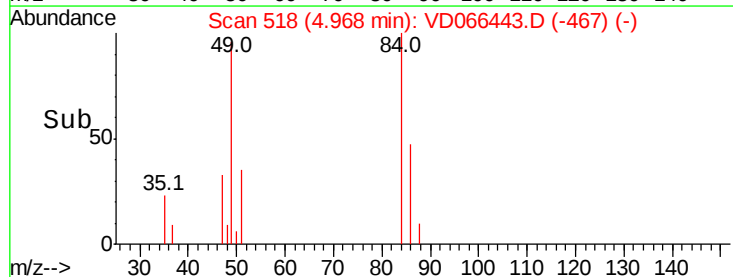
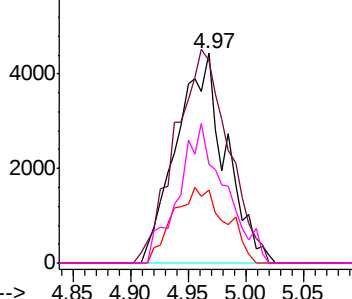


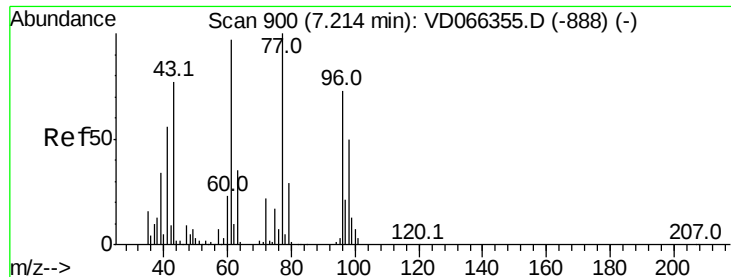
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 2.072 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

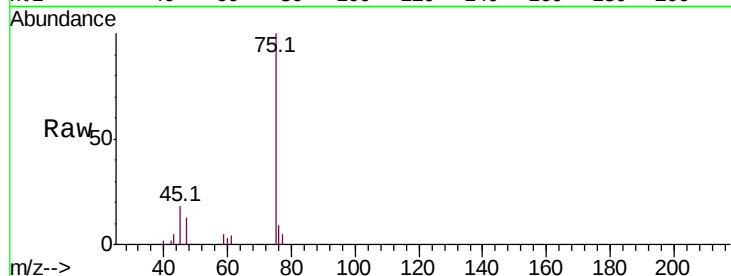
ALMASI-2

Tot Ion: 43 Resp: 708

Ion Ratio Lower Upper

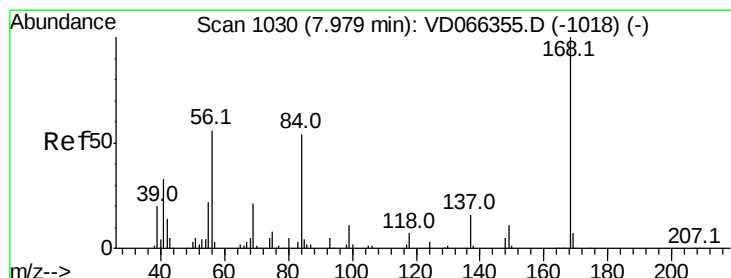
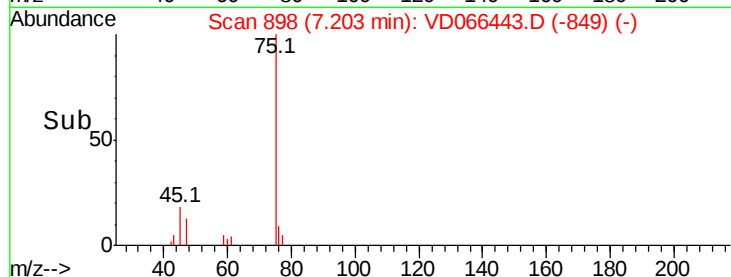
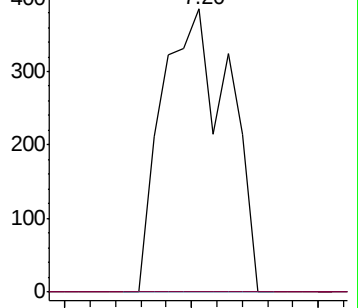
43 100

72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.705 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

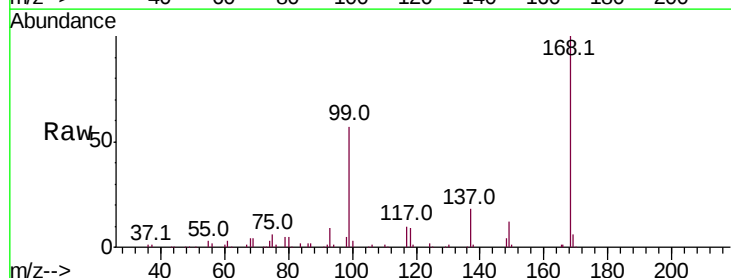
Tgt Ion: 56 Resp: 3952

Ion Ratio Lower Upper

56 100

69 179.7 29.6 44.4#

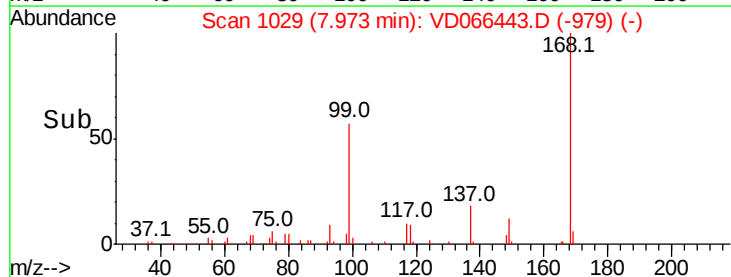
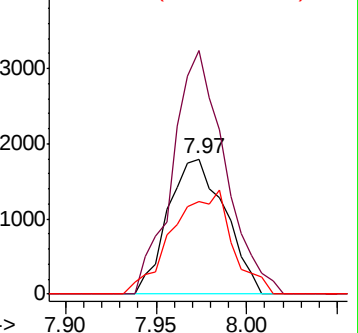
84 68.5 76.6 115.0#

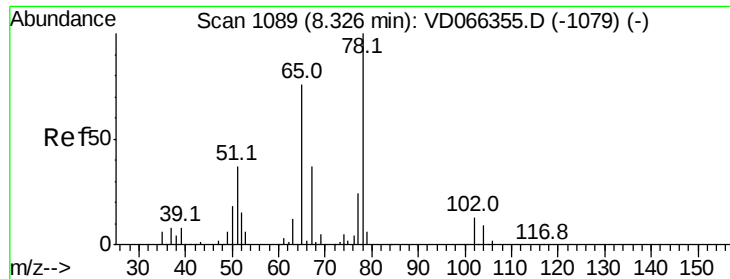


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

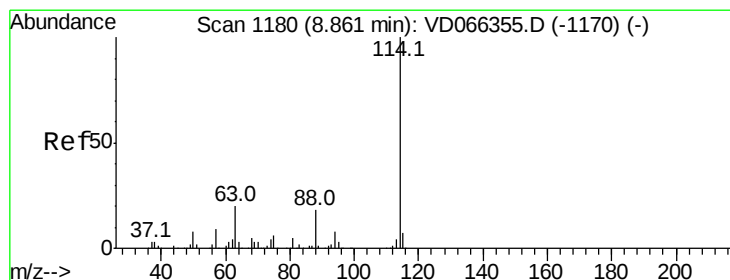
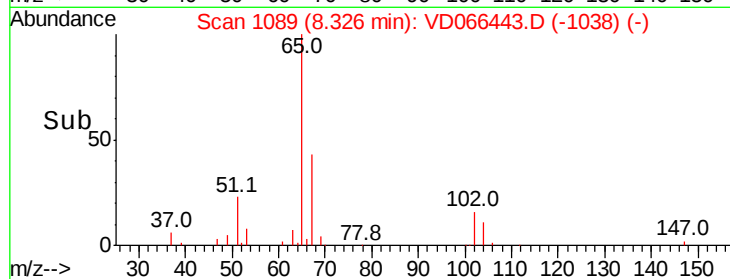
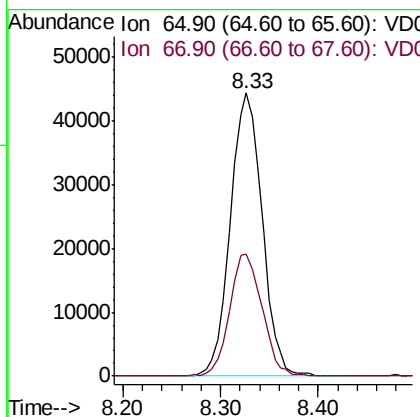
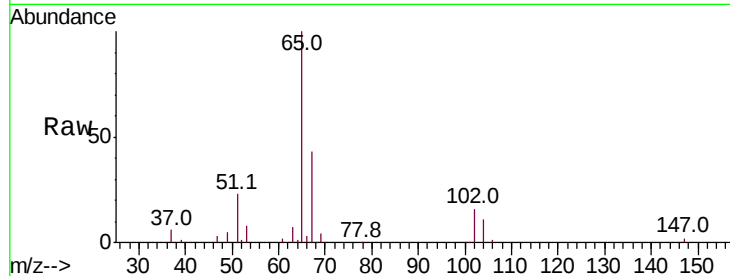




#33
 1,2-Dichloroethane-d4
 Concen: 60.095 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

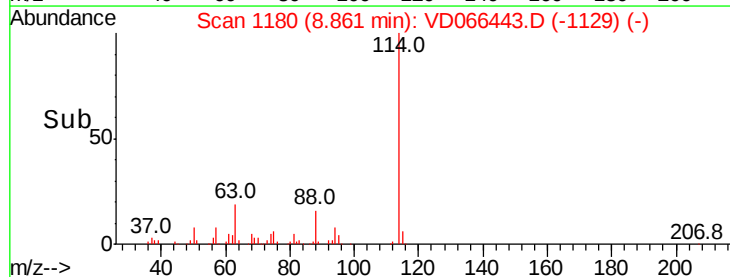
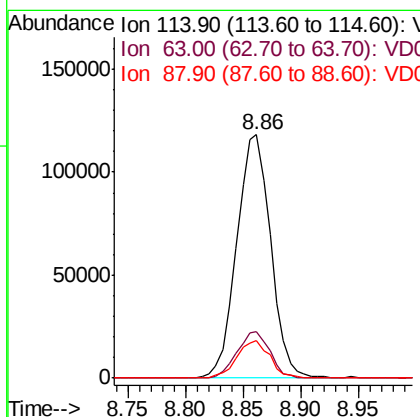
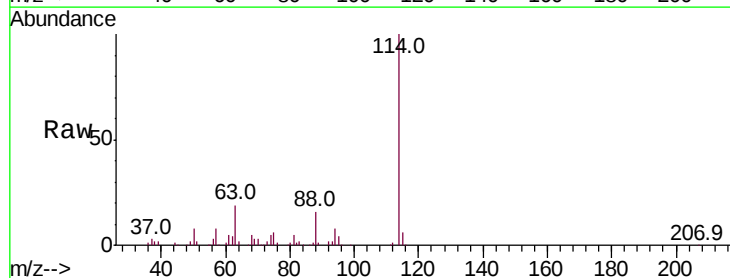
Instrument :
 MSVOA_D
 ClientSampleId :
 ALMASI-2

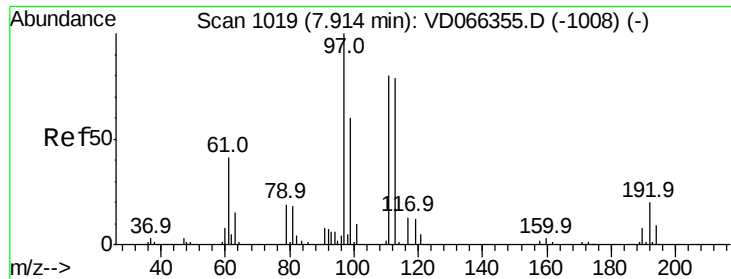
Tot Ion: 65 Resp: 100335
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

Tgt Ion: 114 Resp: 241541
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.8
 88 15.7 0.0 35.4

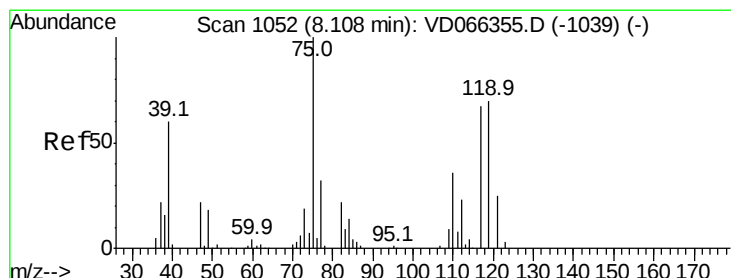
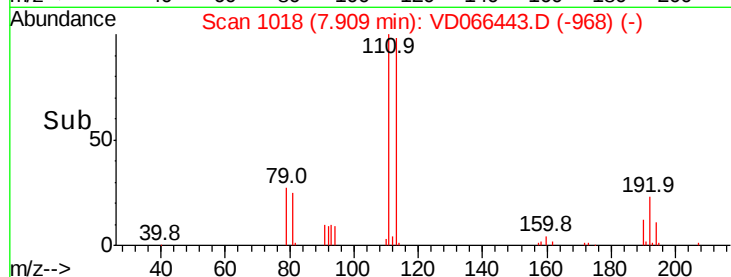
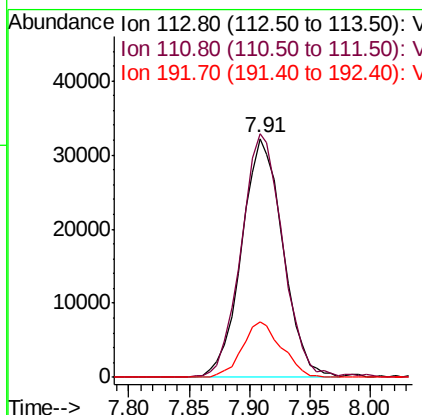
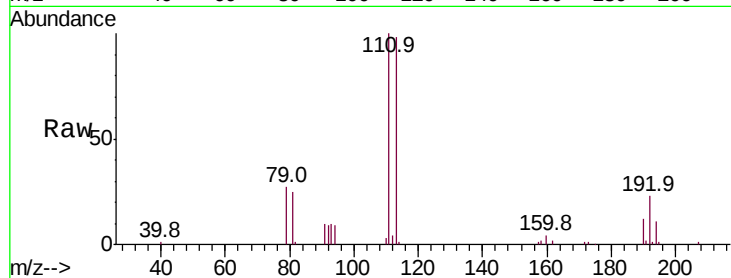




#35
 Dibromofluoromethane
 Concen: 50.828 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

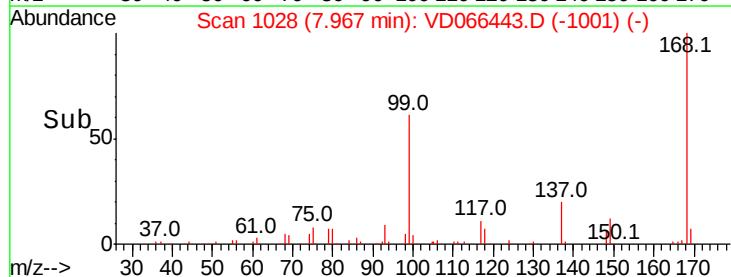
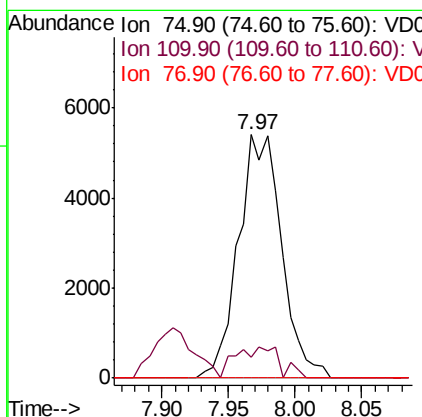
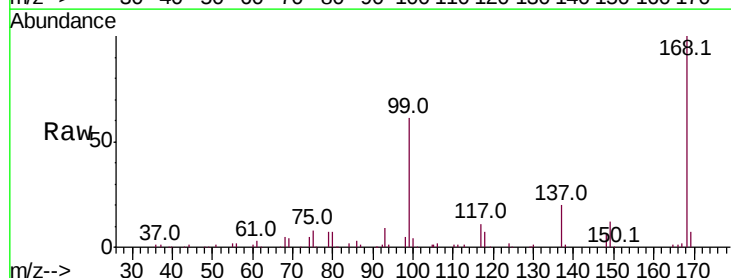
Instrument :
 MSVOA_D
 ClientSampleId :
 ALMASI-2

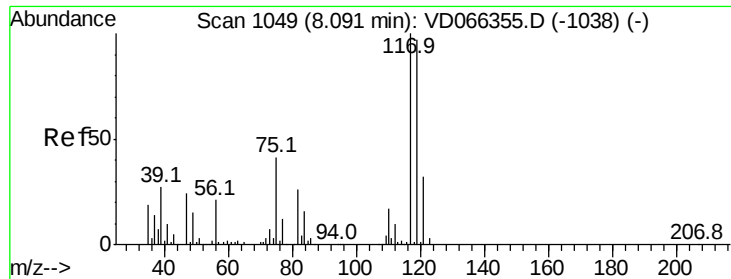
Tot Ion:113 Resp: 76769
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.3 120.5
 192 22.0 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.488 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

Tgt Ion: 75 Resp: 12094
 Ion Ratio Lower Upper
 75 100
 110 13.6 18.7 56.1#
 77 0.0 25.2 37.8#

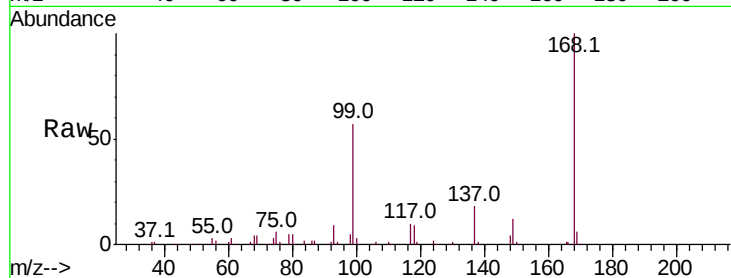




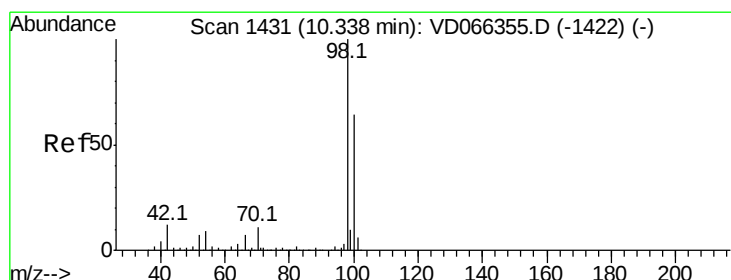
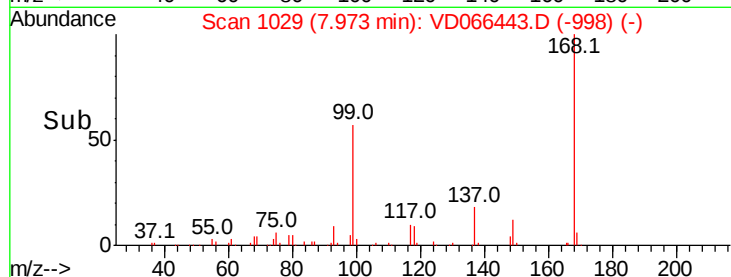
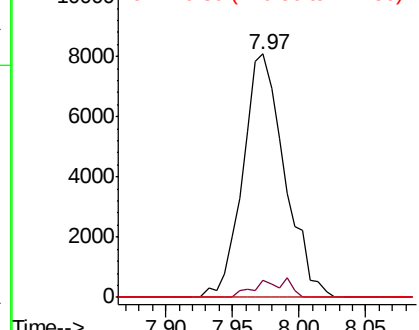
#38
Carbon Tetrachloride
Concen: 6.100 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066443.D
Acq: 27 Aug 2020 18:11

Instrument :
MSVOA_D
ClientSampleId :
ALMASI-2

Tot Ion:117 Resp: 17514
Ion Ratio Lower Upper
117 100
119 6.9 77.2 115.8#
121 0.0 25.8 38.8#

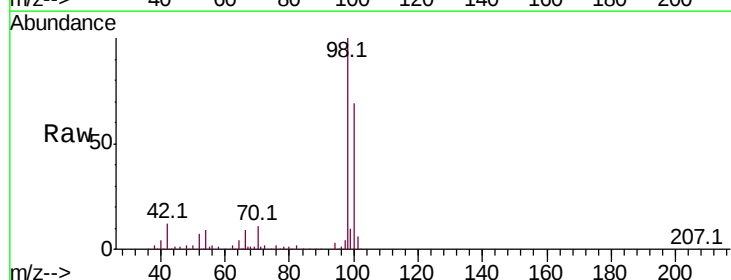


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

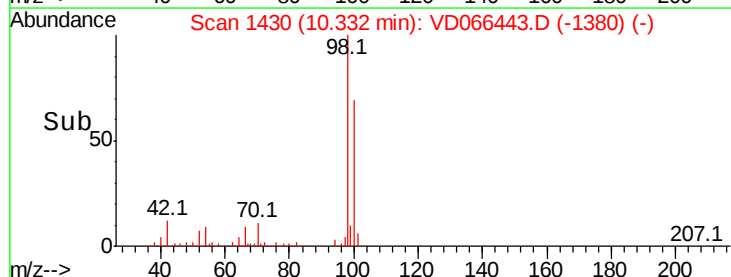
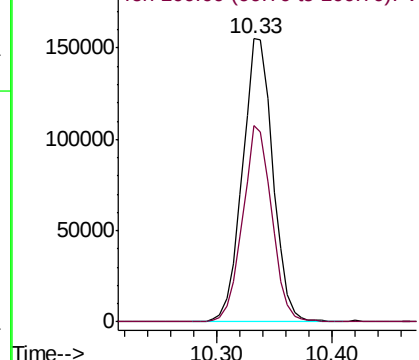


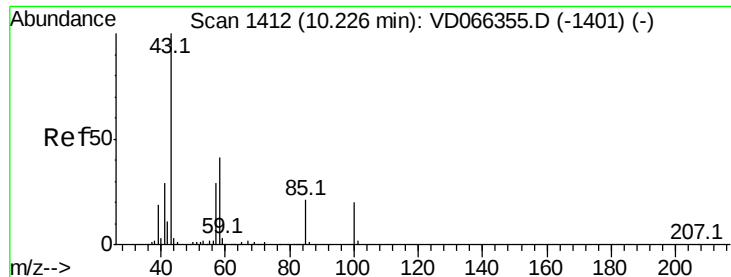
#50
Toluene-d8
Concen: 51.310 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066443.D
Acq: 27 Aug 2020 18:11

Tgt Ion: 98 Resp: 283555
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.779 ug/l

RT: 10.33 min Scan# 1429

Delta R.T. 0.10 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

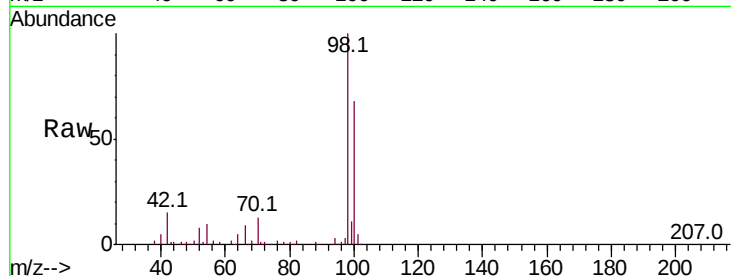
ALMASI-2

Tot Ion: 43 Resp: 1295

Ion Ratio Lower Upper

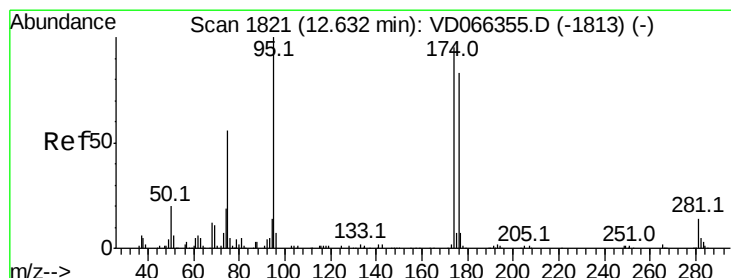
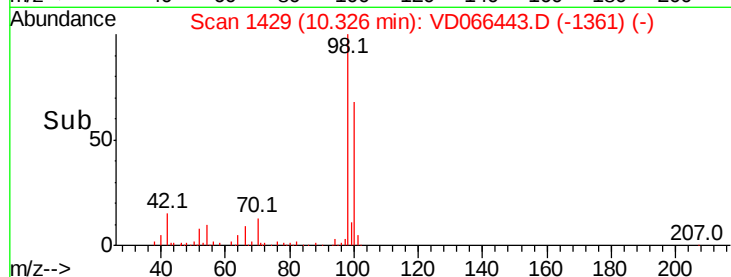
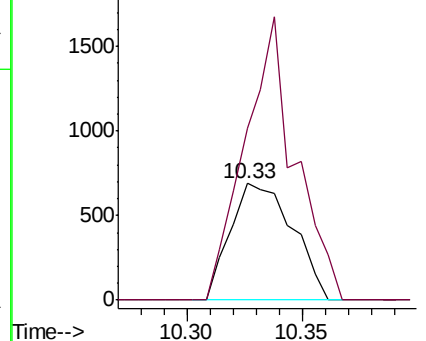
43 100

58 195.8 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.663 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066443.D

Acq: 27 Aug 2020 18:11

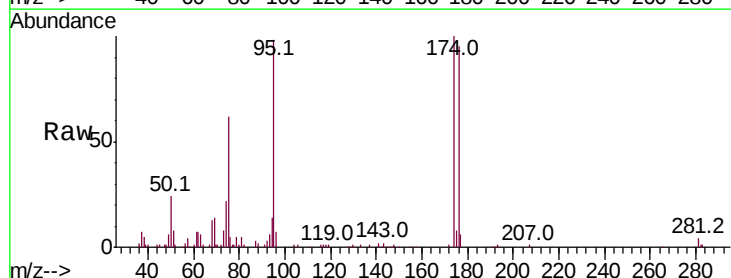
Tgt Ion: 95 Resp: 97386

Ion Ratio Lower Upper

95 100

174 101.7 0.0 183.4

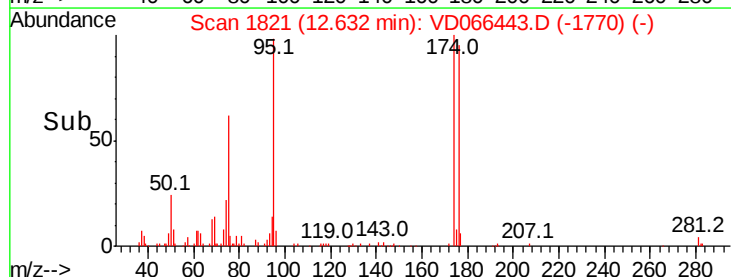
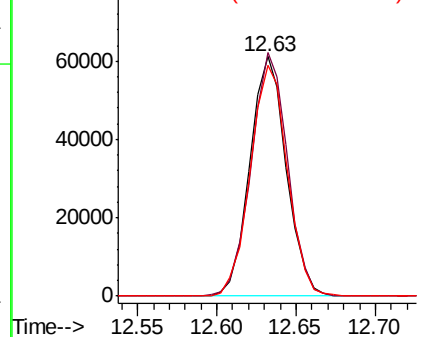
176 98.4 0.0 173.8

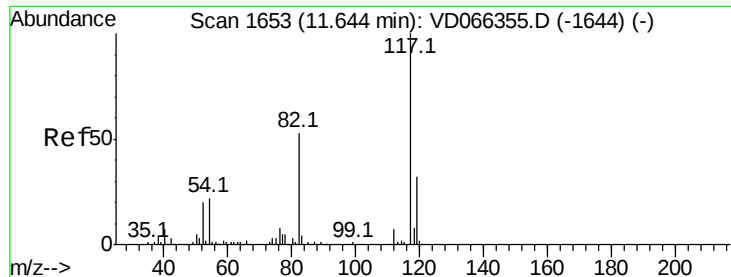


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

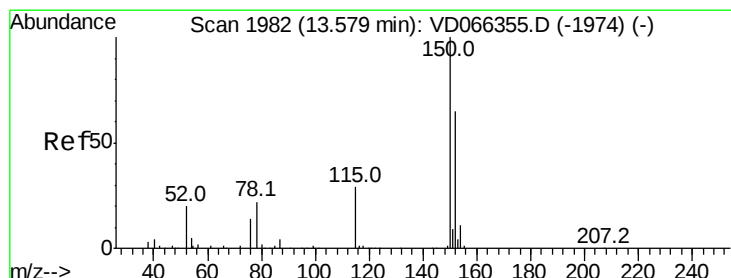
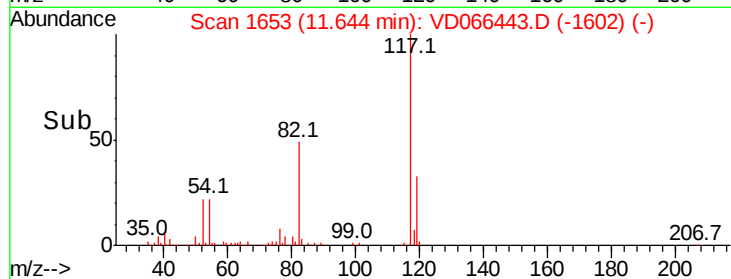
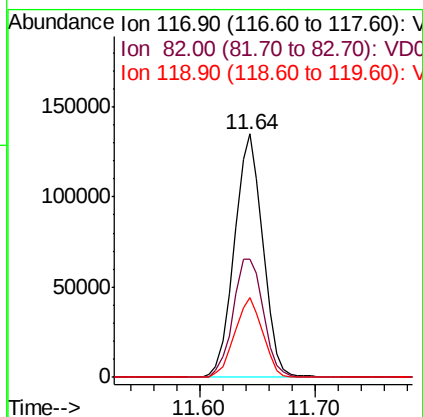
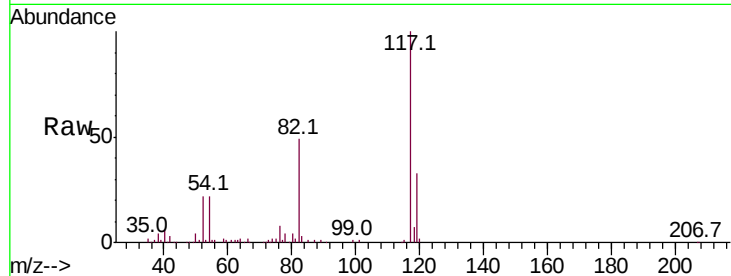




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066443.D
Acq: 27 Aug 2020 18:11

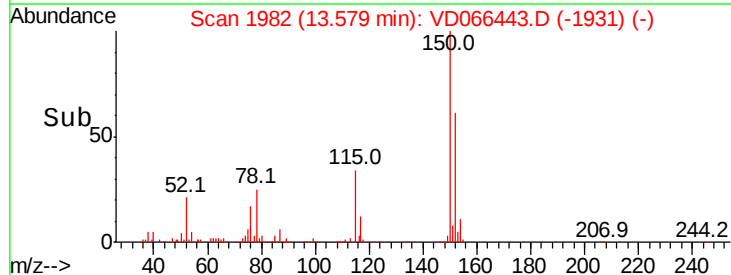
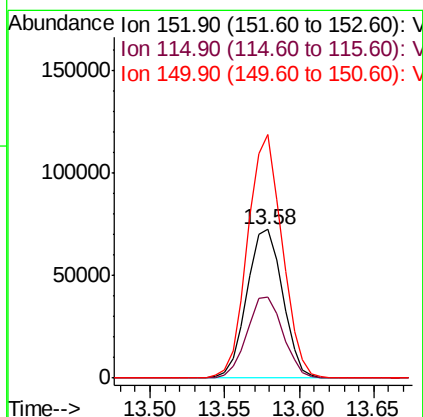
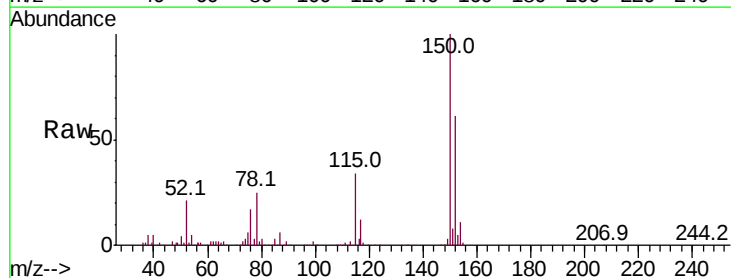
Instrument :
MSVOA_D
ClientSampleId :
ALMASI-2

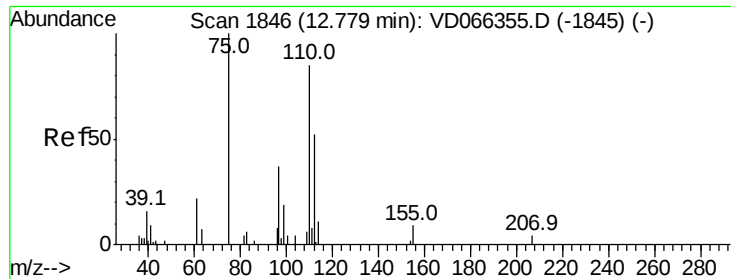
Tot Ion:117 Resp: 229414
Ion Ratio Lower Upper
117 100
82 48.6 42.8 64.2
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066443.D
Acq: 27 Aug 2020 18:11

Tgt Ion:152 Resp: 120621
Ion Ratio Lower Upper
152 100
115 55.0 28.3 85.0
150 157.5 0.0 343.2

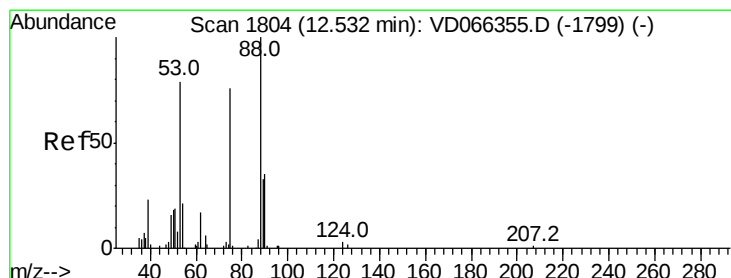
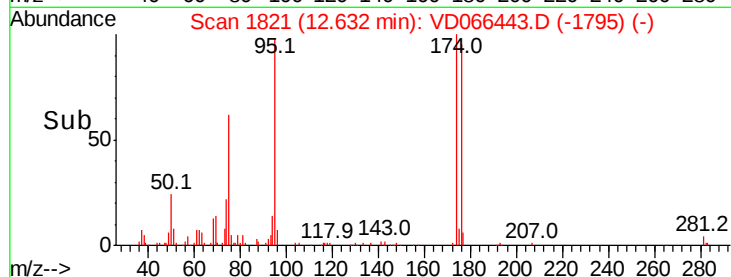
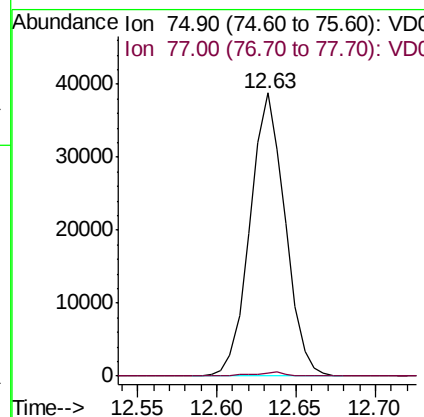
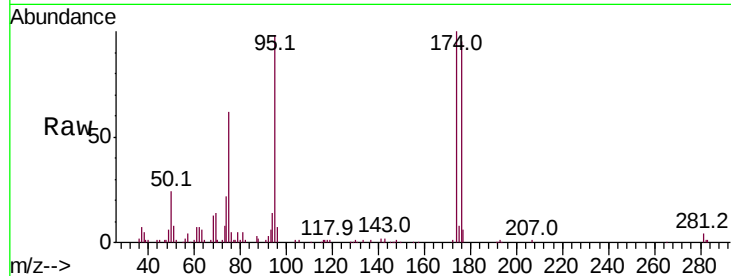




#76
 1,2,3-Trichloropropane
 Concen: 70.192 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

Instrument :
 MSVOA_D
 ClientSampleId :
 ALMASI-2

Tot Ion: 75 Resp: 59563
 Ion Ratio Lower Upper
 75 100
 77 1.1 182.9 548.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.995 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066443.D
 Acq: 27 Aug 2020 18:11

Tgt Ion: 75 Resp: 59563
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.0 39.4 59.0#

