

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066813.D
 Acq On : 22 Sep 2020 16:17
 Operator : VA/SY
 Sample : L3866-06
 Misc : 8.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-092120

Quant Time: Sep 23 02:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	398941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	747714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	726638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225613	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	
35) Dibromofluoromethane	7.91	113	244439	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	903979	55.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.54%	
62) 4-Bromofluorobenzene	12.63	95	309253	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

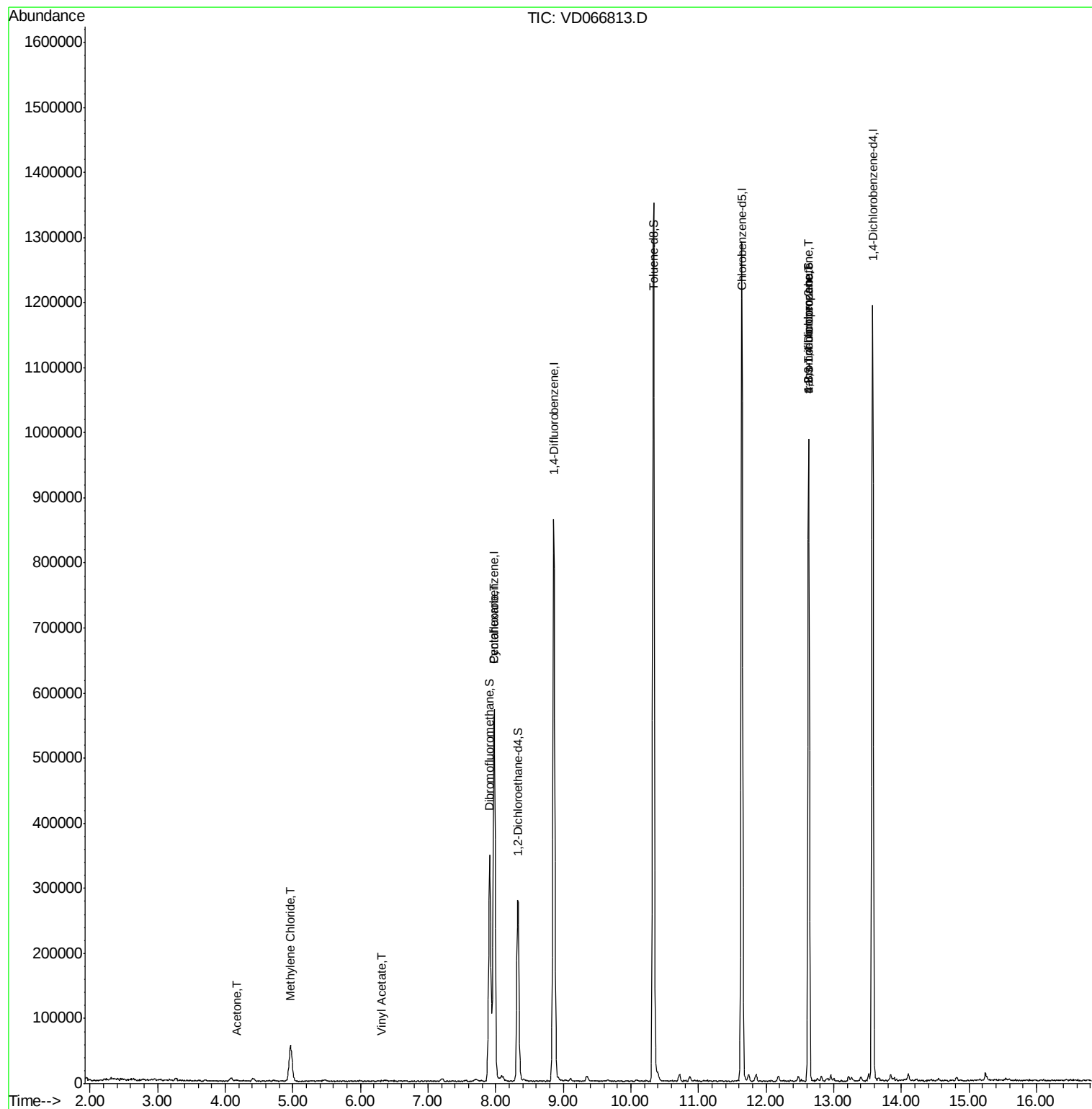
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1182	Below Cal		78
16) Acetone	4.17	43	2906	3.508 ug/l #		79
18) Methyl Acetate	4.73	43	197	Below Cal #		50
20) Methylene Chloride	4.97	84	42217	4.099 ug/l		99
23) Vinyl Acetate	6.31	43	382	2.731 ug/l #		71
31) Cyclohexane	7.98	56	12366	1.742 ug/l #		52
49) 1,4-Dioxane	9.44	88	74	Below Cal #		23
76) 1,2,3-Trichloropropane	12.63	75	163930	62.515 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.63	75	163930	156.408 ug/l #		10

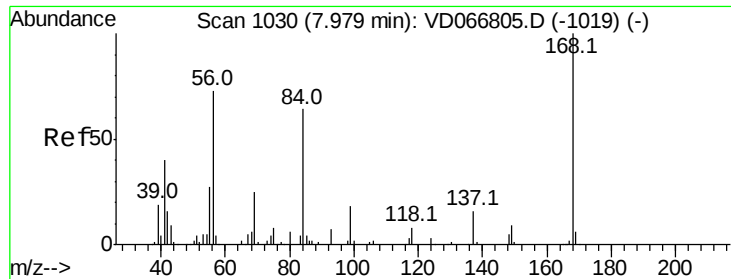
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
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Quant Time: Sep 23 02:08:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

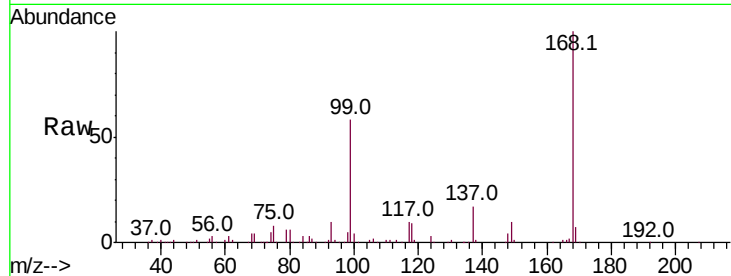
OK-01-092120

Tot Ion:168 Resp: 398941

Ion Ratio Lower Upper

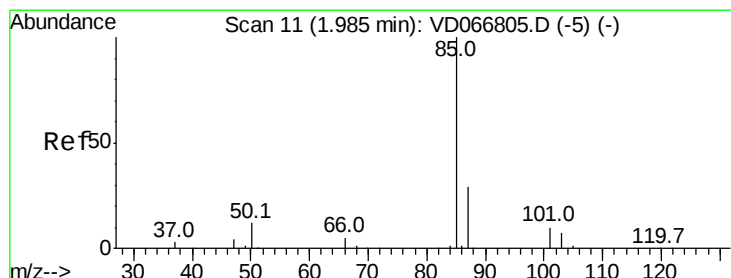
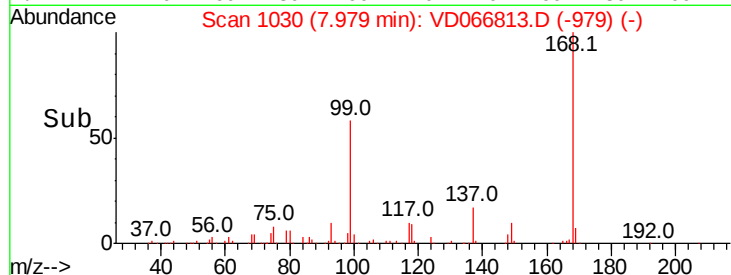
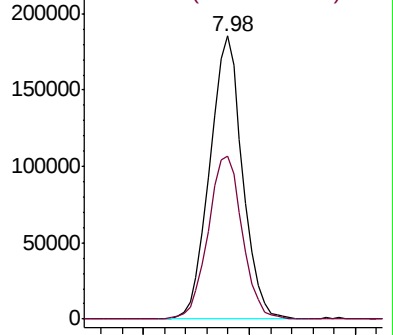
168 100

99 57.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066813.D

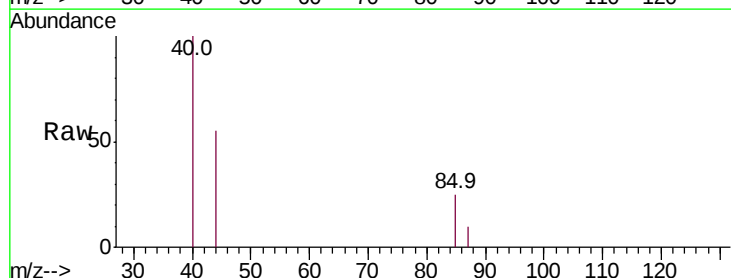
Acq: 22 Sep 2020 16:17

Tgt Ion: 85 Resp: 1182

Ion Ratio Lower Upper

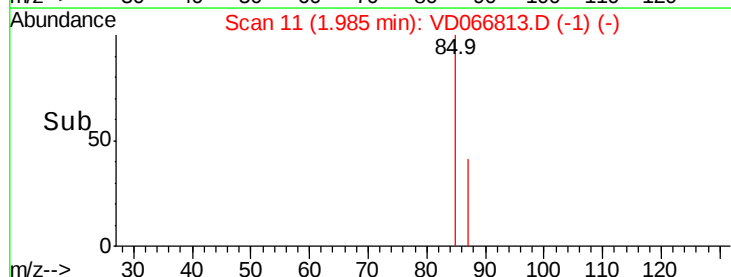
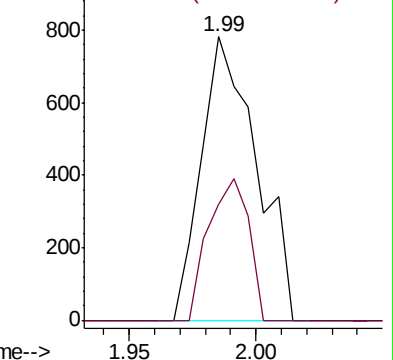
85 100

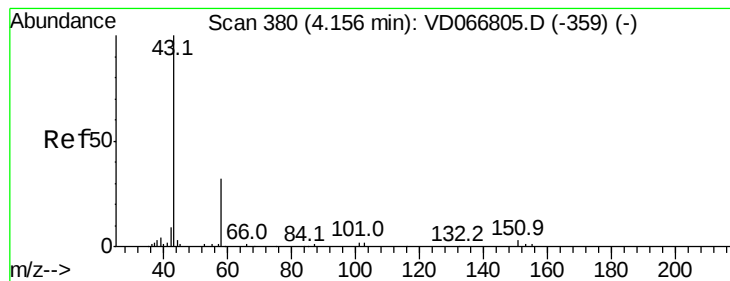
87 40.8 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 3.508 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

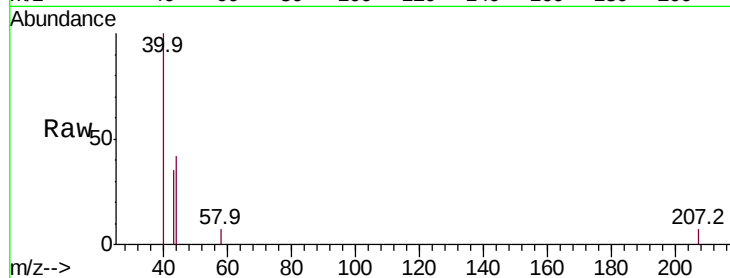
OK-01-092120

Tot Ion: 43 Resp: 2906

Ion Ratio Lower Upper

43 100

58 20.4 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1200

1000

800

600

400

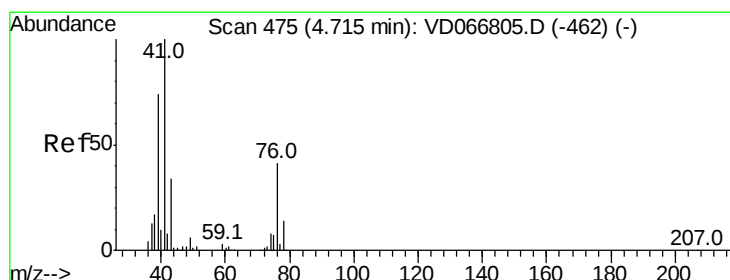
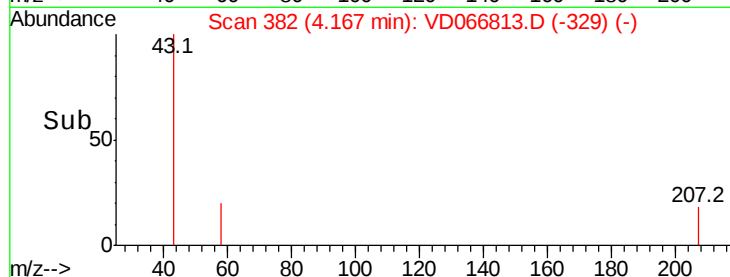
200

0

4.10 4.15 4.20

4.17

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD066813.D

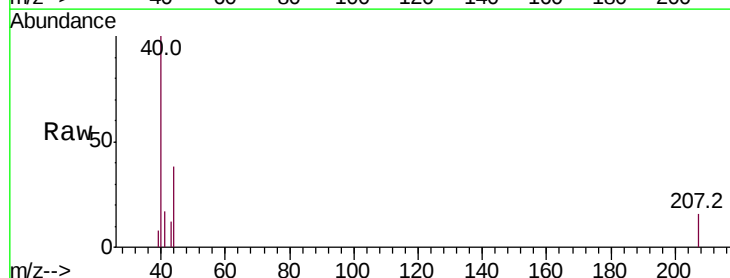
Acq: 22 Sep 2020 16:17

Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

400

300

200

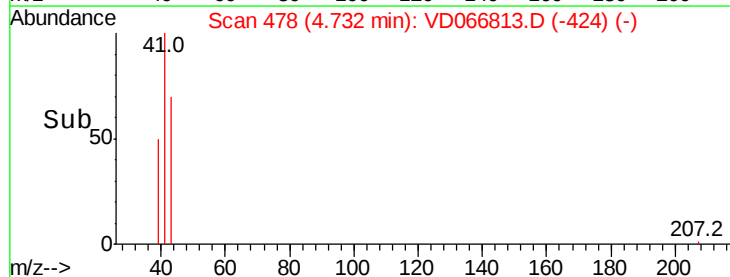
100

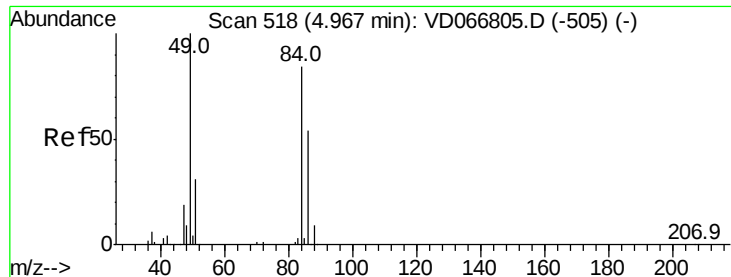
0

4.72 4.74 4.76

4.73

Time-->

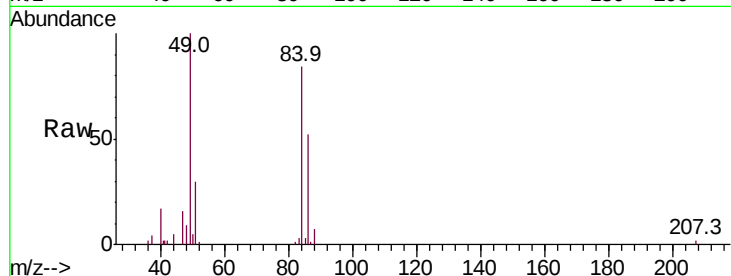




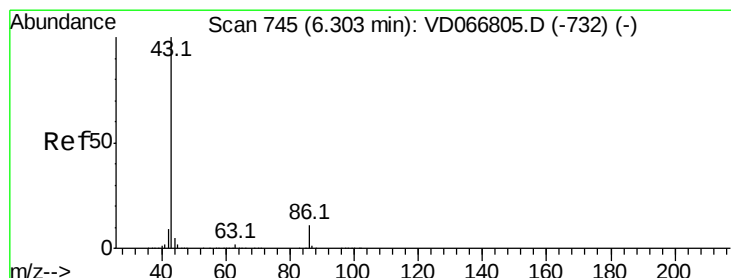
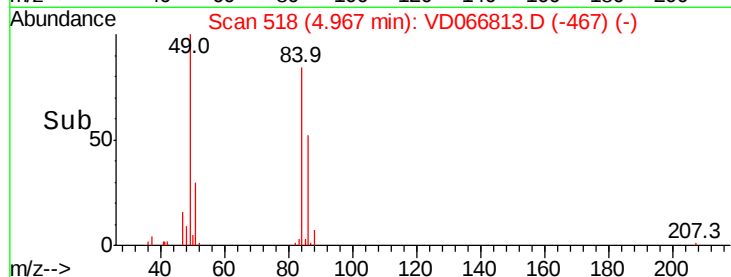
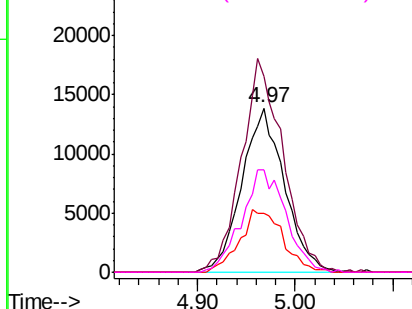
#20
Methvlene Chloride
Concen: 4.099 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066813.D
Acq: 22 Sep 2020 16:17

Instrument :
MSVOA_D
ClientSampleId :
OK-01-092120

Tot Ion:	84	Resp:	42217
Ion	Ratio	Lower	Upper
84	100		
49	119.5	95.4	143.2
51	35.7	29.7	44.5
86	62.7	51.4	77.2

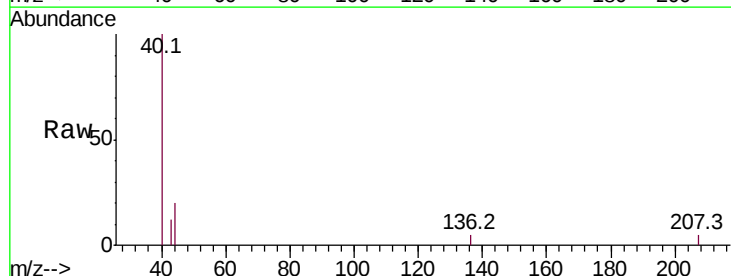


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

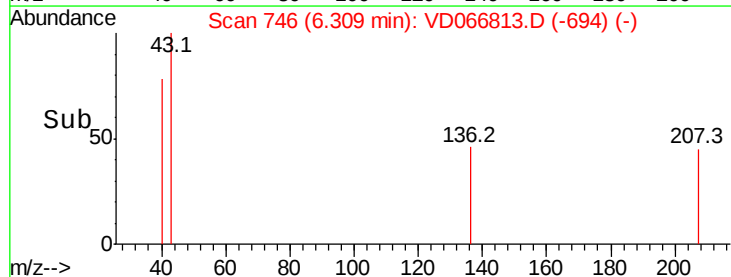
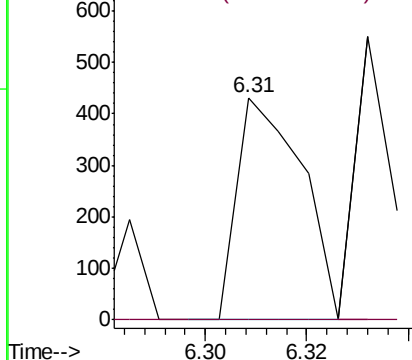


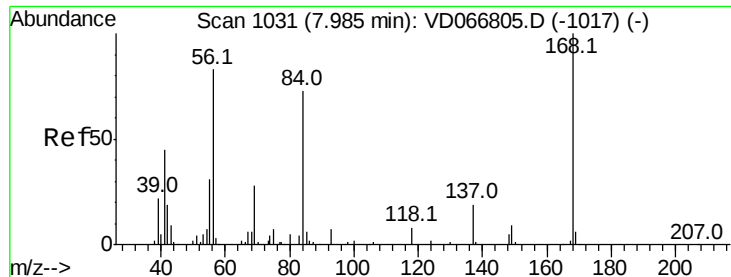
#23
Vinyl Acetate
Concen: 2.731 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.01 min
Lab File: VD066813.D
Acq: 22 Sep 2020 16:17

Tgt Ion:	43	Resp:	382
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.742 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

OK-01-092120

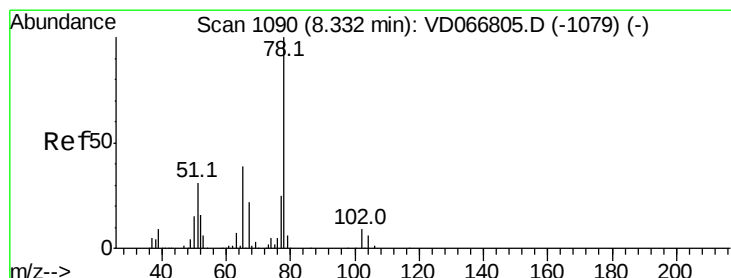
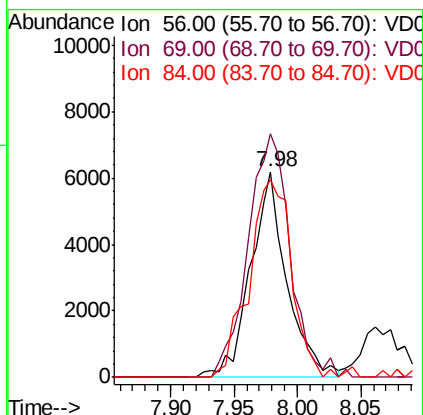
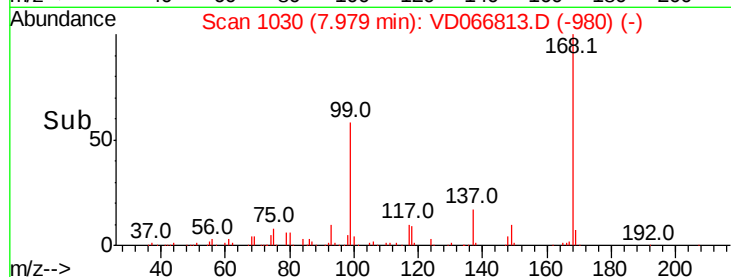
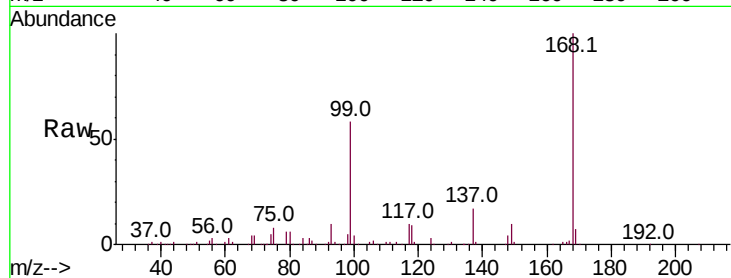
Tot Ion: 56 Resp: 12366

Ion Ratio Lower Upper

56 100

69 118.4 27.0 40.4#

84 96.3 70.2 105.4



#33

1,2-Dichloroethane-d4

Concen: 57.780 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066813.D

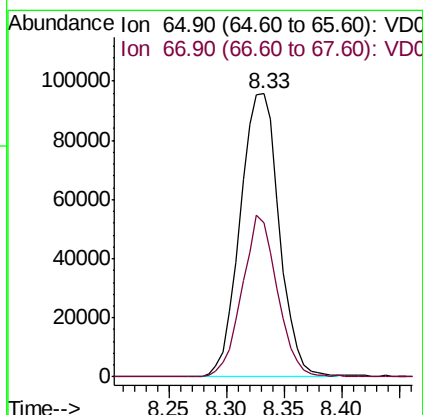
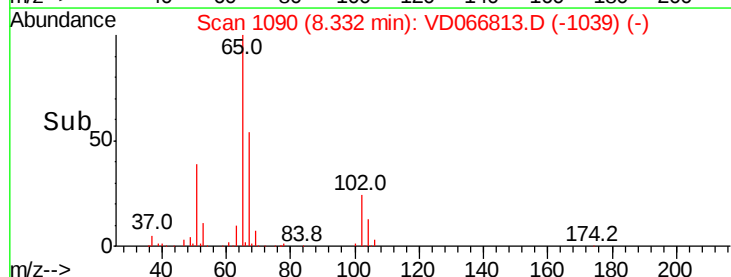
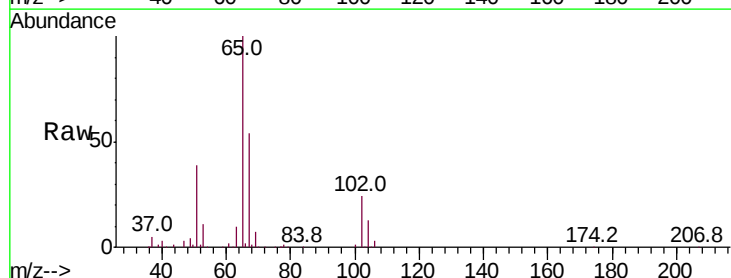
Acq: 22 Sep 2020 16:17

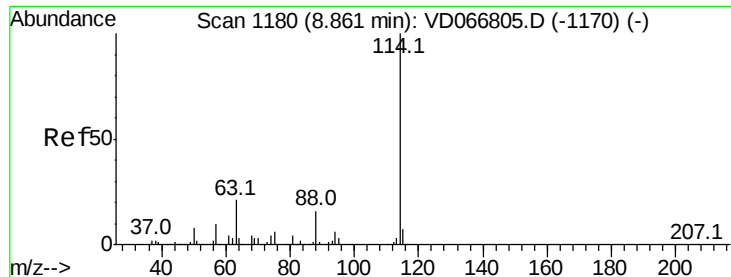
Tgt Ion: 65 Resp: 225613

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

OK-01-092120

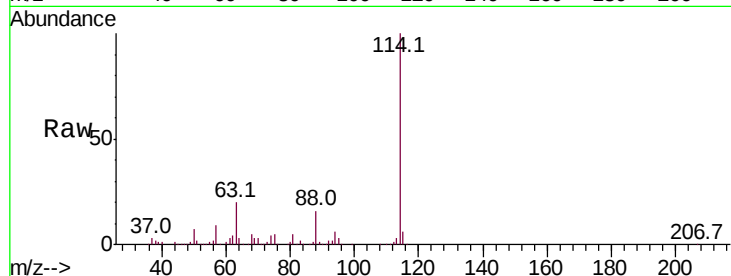
Tot Ion:114 Resp: 747714

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

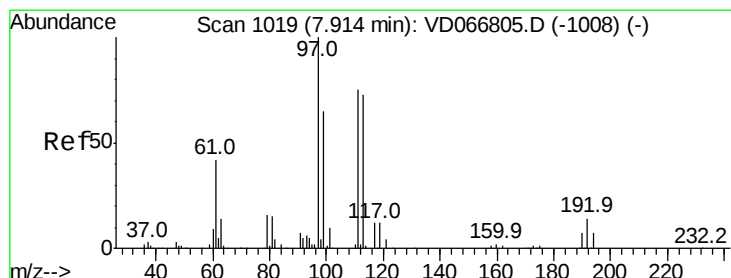
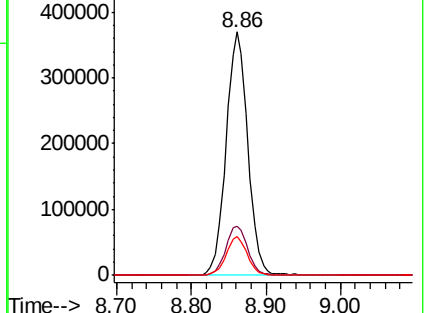
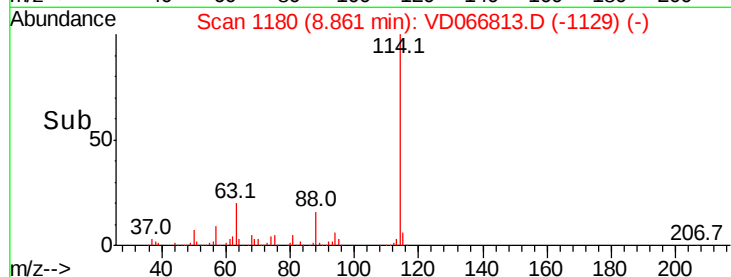
88 15.9 0.0 32.6



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: 51.386 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

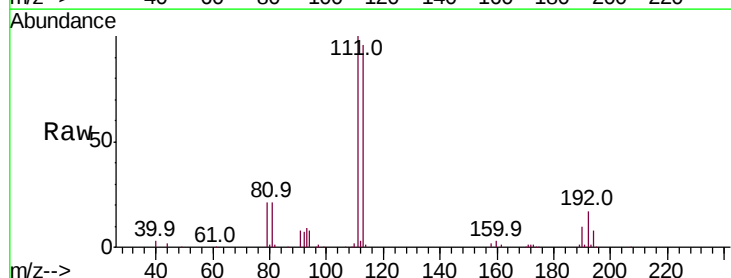
Tgt Ion:113 Resp: 244439

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

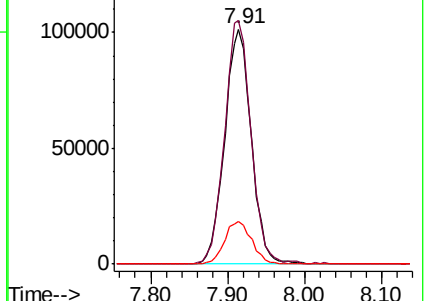
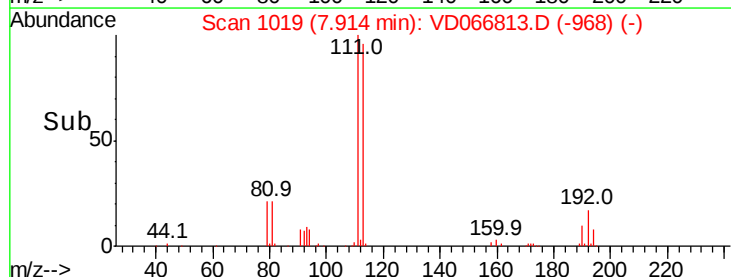
192 18.4 14.4 21.6

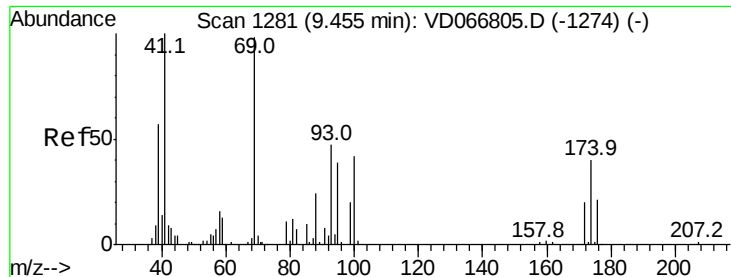


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.44 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

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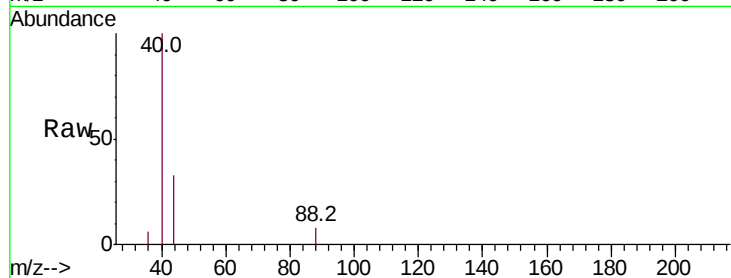
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 55.5 83.3#



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

9.44

200

150

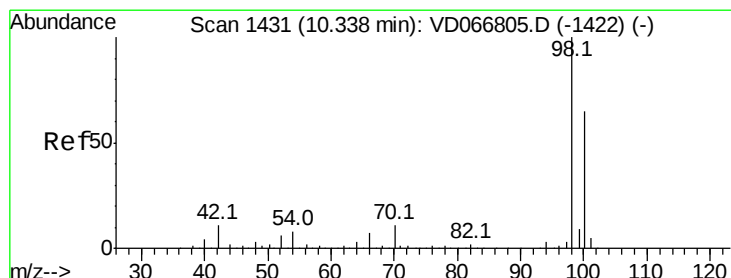
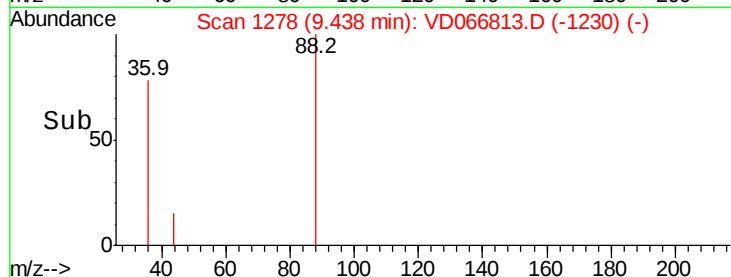
100

50

0

9.42 9.43 9.44 9.45

Time-->



#50

Toluene-d8

Concen: 55.774 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066813.D

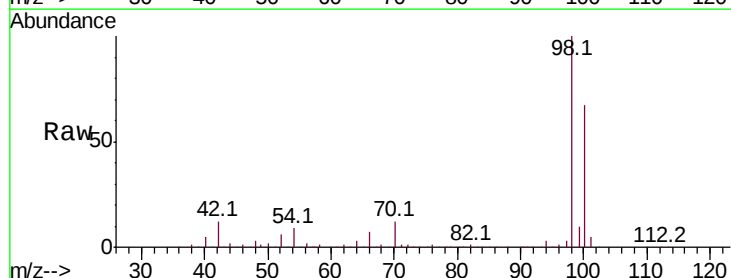
Acq: 22 Sep 2020 16:17

Tgt Ion: 98 Resp: 903979

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

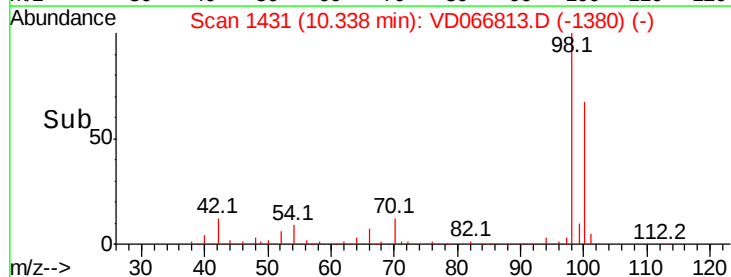
200000

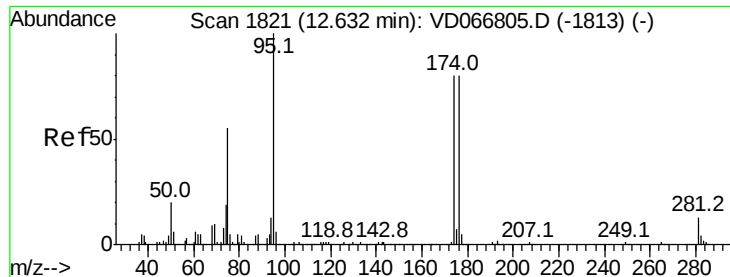
100000

0

10.20 10.30 10.40 10.50

Time-->





#62

4-Bromofluorobenzene

Concen: 55.736 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

OK-01-092120

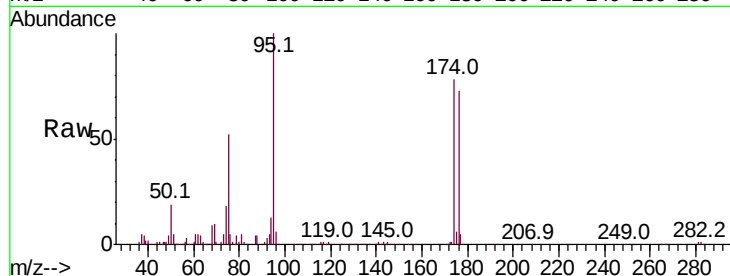
Tot Ion: 95 Resp: 309253

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.8

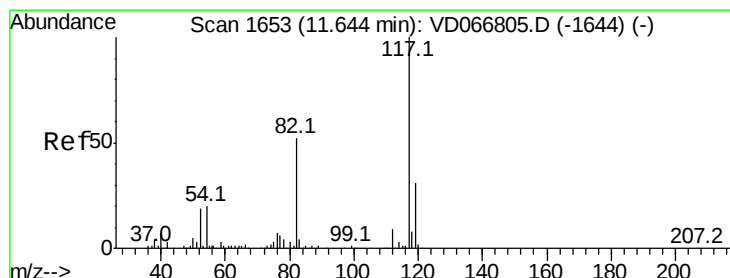
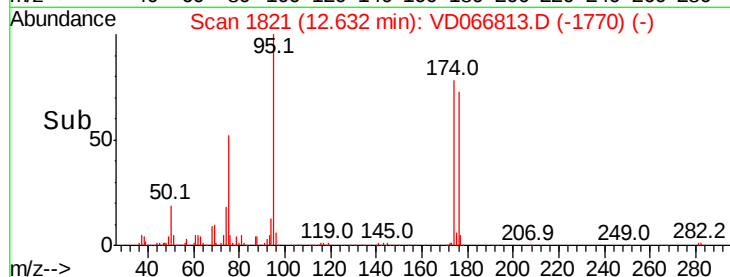
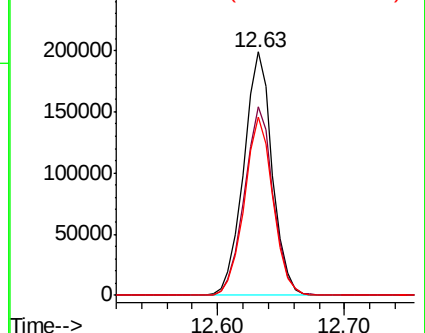
176 74.0 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066813.D

Acq: 22 Sep 2020 16:17

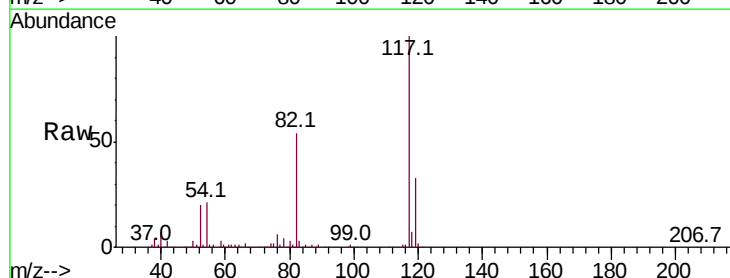
Tgt Ion: 117 Resp: 726638

Ion Ratio Lower Upper

117 100

82 54.3 41.8 62.6

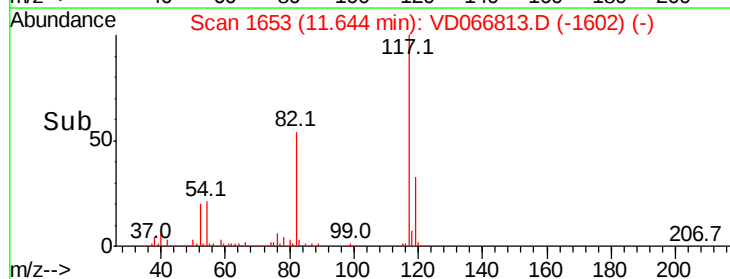
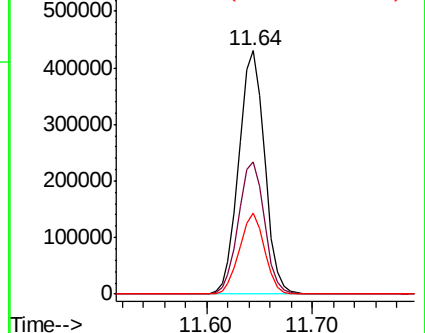
119 33.3 24.6 37.0

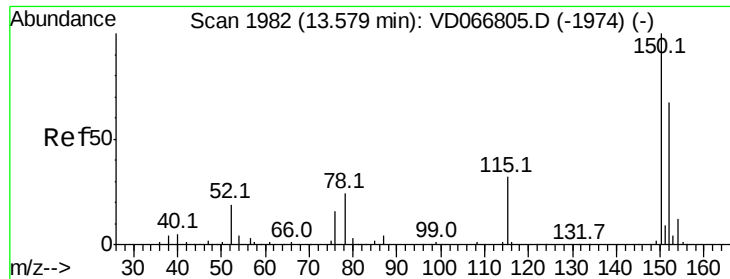


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

OK-01-092120

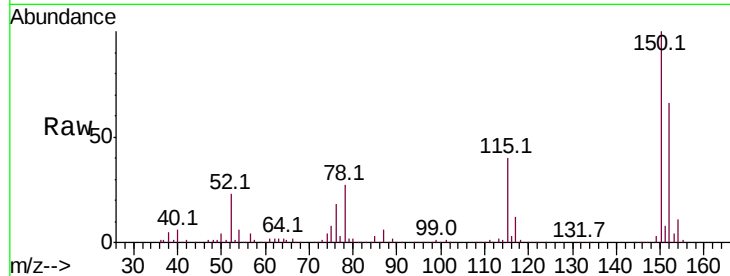
Tot Ion:152 Resp: 316420

Ion Ratio Lower Upper

152 100

115 59.3 30.3 91.0

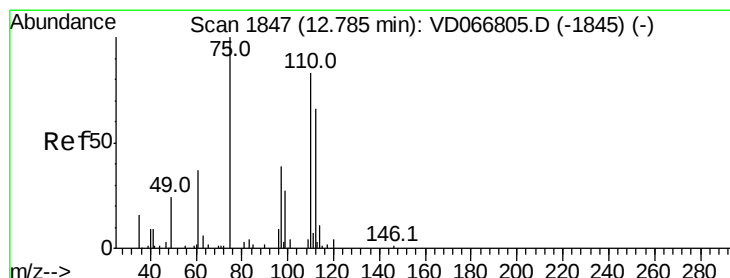
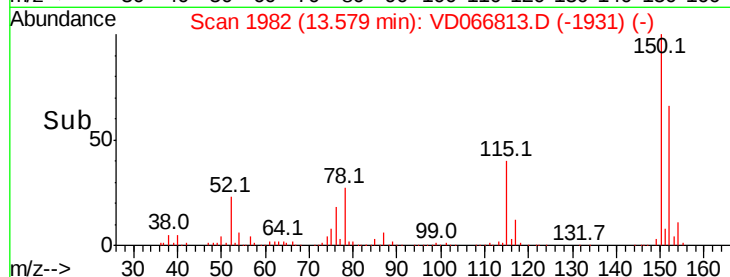
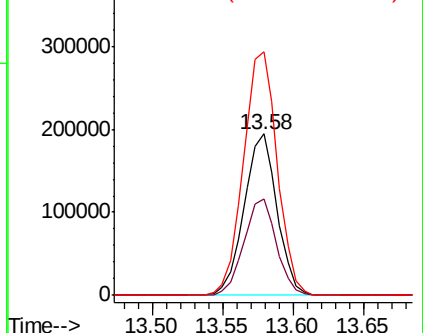
150 155.6 0.0 346.2



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



#76

1,2,3-Trichloropropane

Concen: 62.515 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066813.D

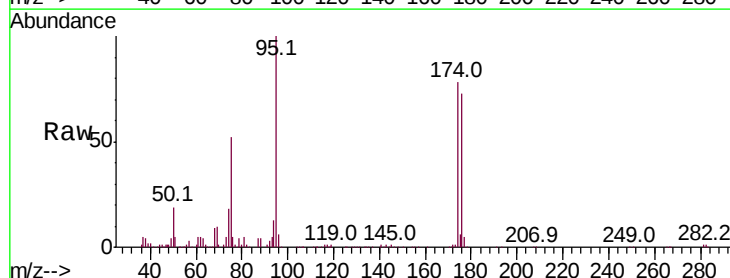
Acq: 22 Sep 2020 16:17

Tgt Ion: 75 Resp: 163930

Ion Ratio Lower Upper

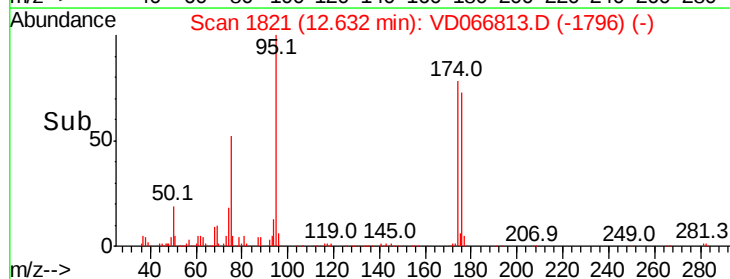
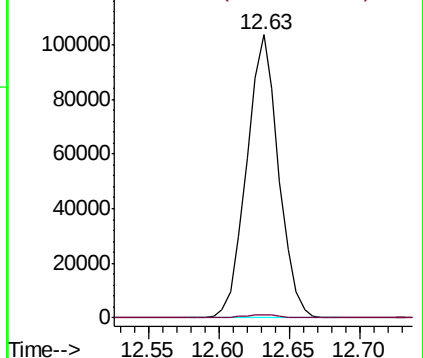
75 100

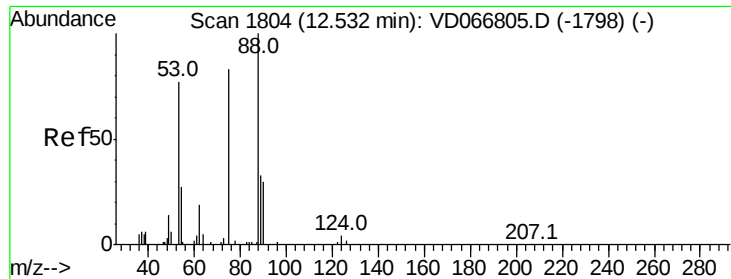
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 156.408 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066813.D

Acq: 22 Sep 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

OK-01-092120

Tot Ion: 75 Resp: 163930

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

