

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066343.D
 Acq On : 20 Aug 2020 04:34
 Operator : VA/SY
 Sample : L3507-06
 Misc : 8.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-081820

Quant Time: Aug 20 07:24:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	175668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	282051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	255457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121265	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	91890	58.63	ug/l	0.00
Spiked Amount			Recovery	=	117.26%	
35) Dibromofluoromethane	7.91	113	87241	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	10.34	98	303577	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.63	95	102336	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

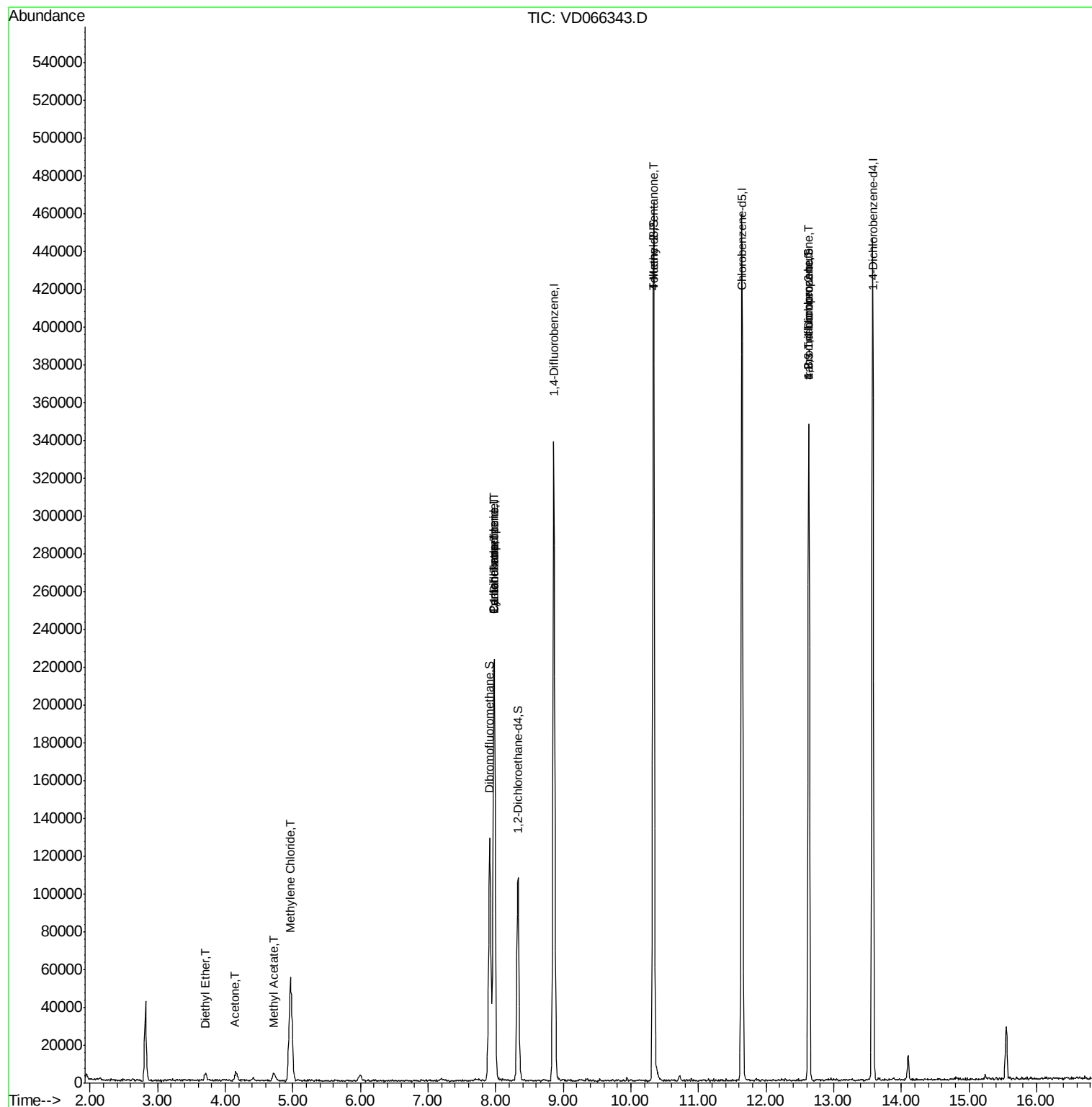
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2228	2.842	ug/l	85
11) Tert butyl alcohol	5.22	59	87	Below Cal	#	76
16) Acetone	4.16	43	8966	30.151	ug/l	99
18) Methyl Acetate	4.71	43	7526	9.964	ug/l #	74
20) Methylene Chloride	4.97	84	42770	22.477	ug/l	99
31) Cyclohexane	7.98	56	3957	1.441	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	11927	4.500	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17845	6.038	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	1287	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	55092	54.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	55092	120.428	ug/l #	13

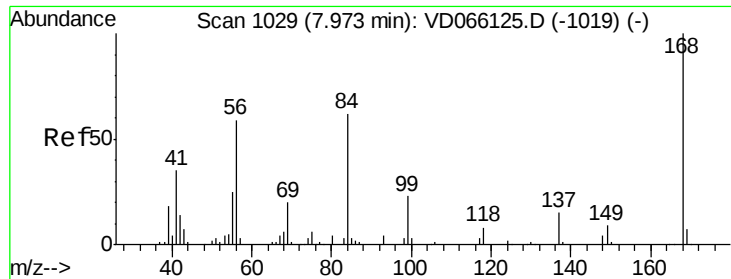
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066343.D

Acq: 20 Aug 2020 04:34

Instrument :

MSVOA_D

ClientSampleId :

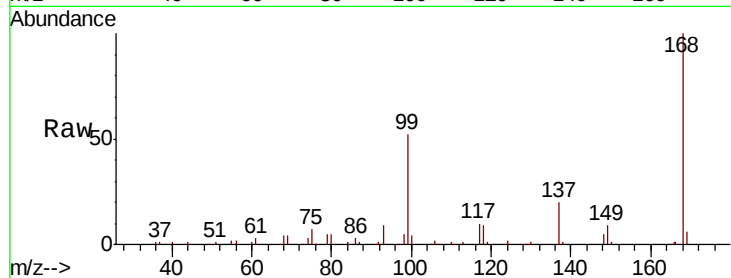
SU-02-081820

Tot Ion:168 Resp: 175668

Ion Ratio Lower Upper

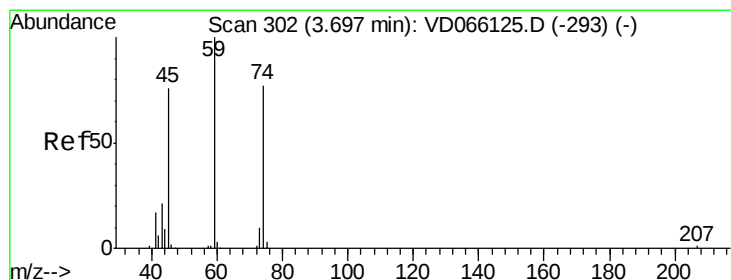
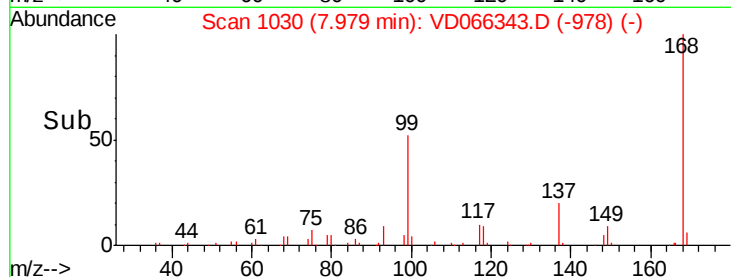
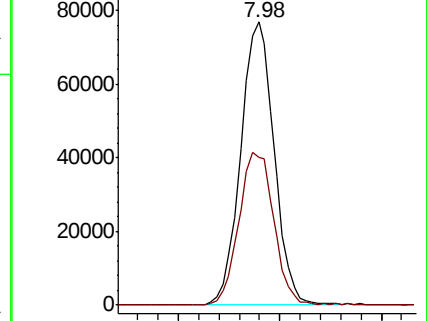
168 100

99 52.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.842 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066343.D

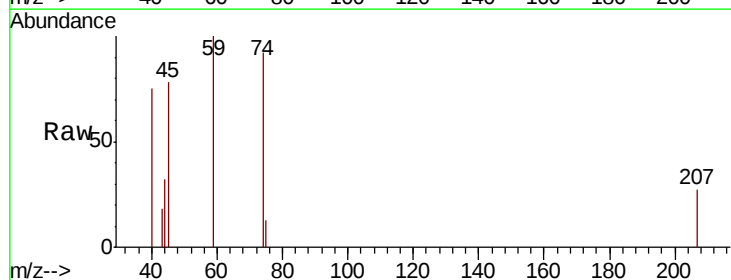
Acq: 20 Aug 2020 04:34

Tgt Ion: 74 Resp: 2228

Ion Ratio Lower Upper

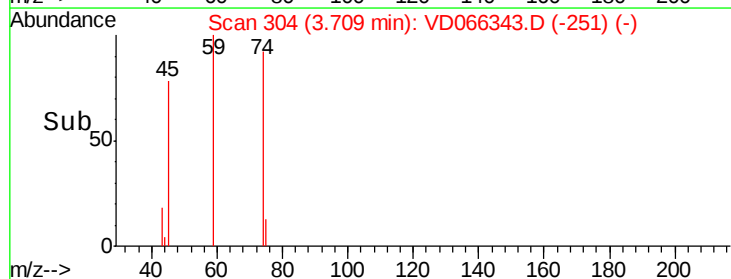
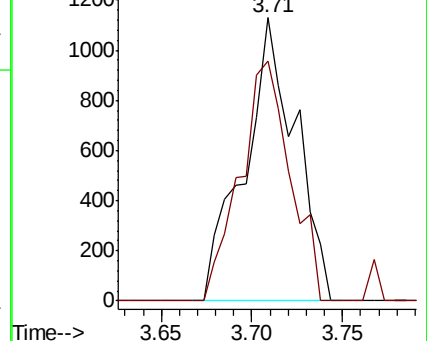
74 100

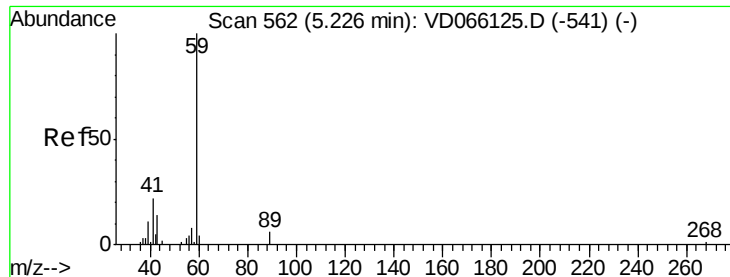
45 82.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



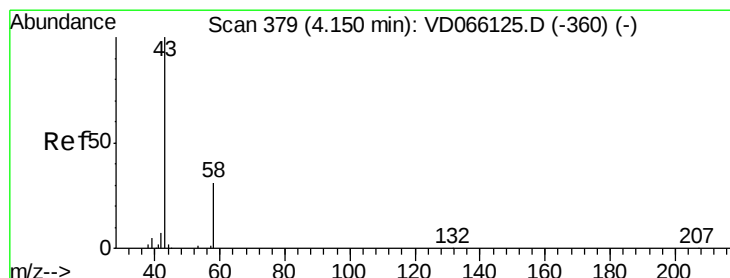
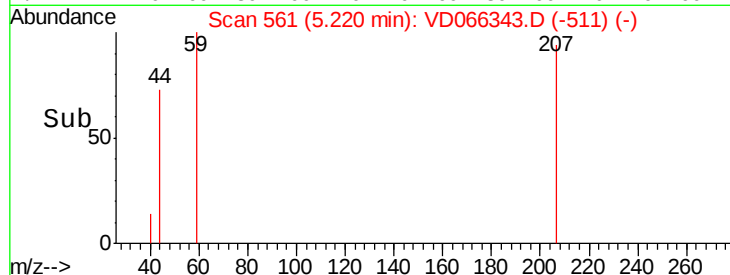
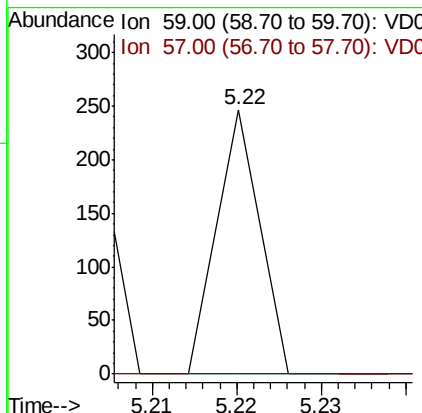
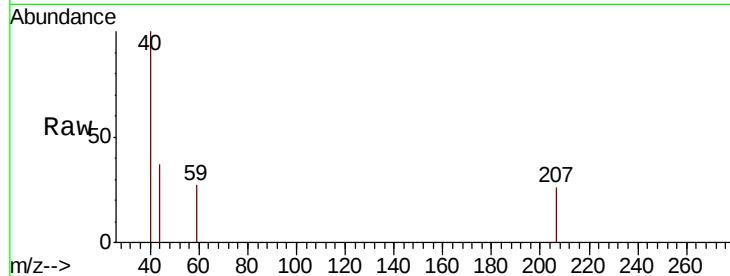


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066343.D
 Acq: 20 Aug 2020 04:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-081820

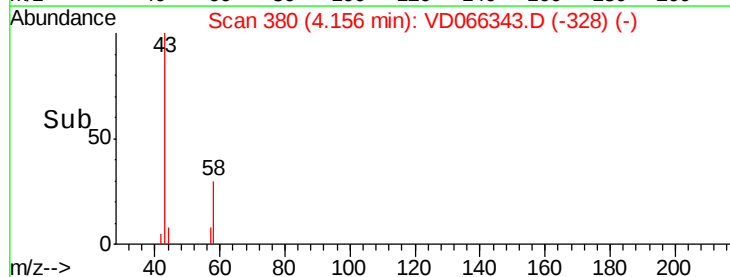
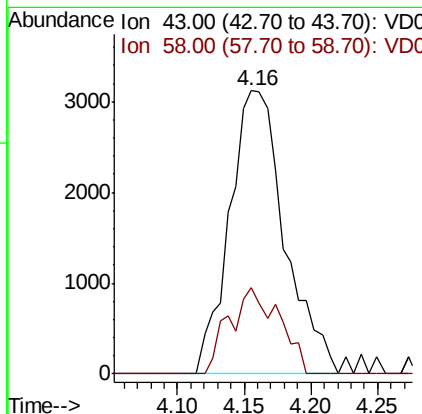
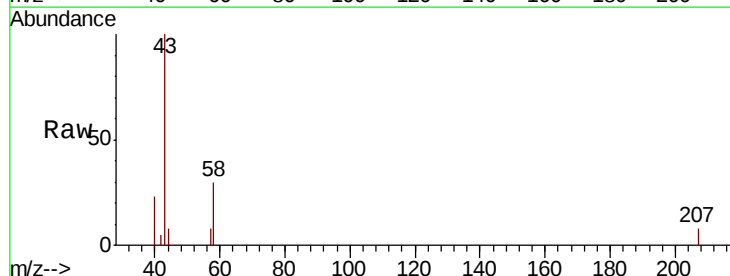
Tot Ion: 59 Resp: 87
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

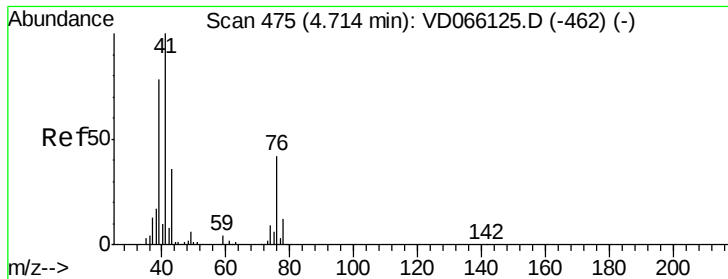


#16

Acetone
 Concen: 30.151 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066343.D
 Acq: 20 Aug 2020 04:34

Tgt Ion: 43 Resp: 8966
 Ion Ratio Lower Upper
 43 100
 58 30.4 24.7 37.1

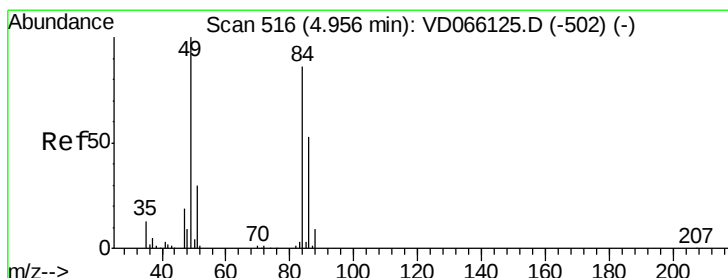
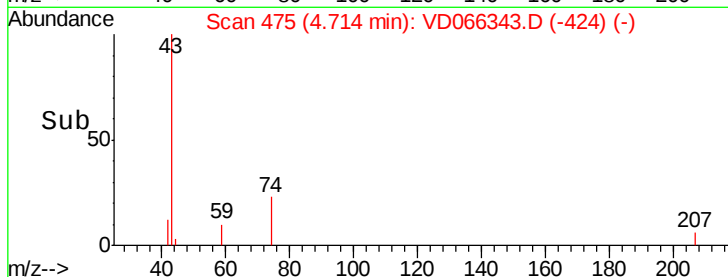
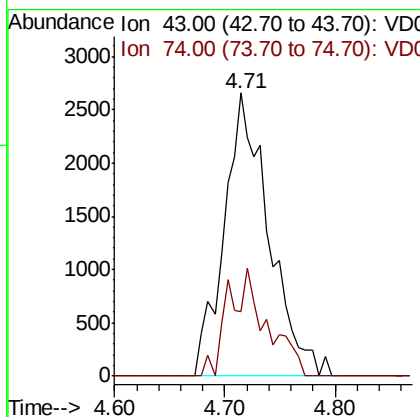
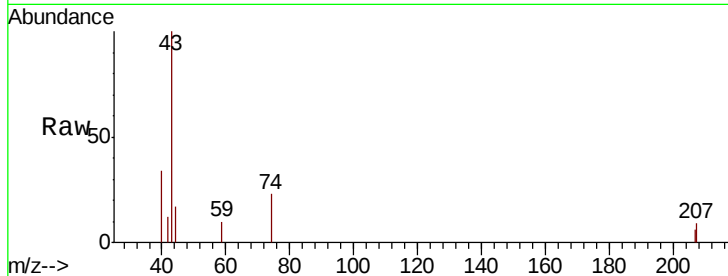




#18
Methyl Acetate
Concen: 9.964 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

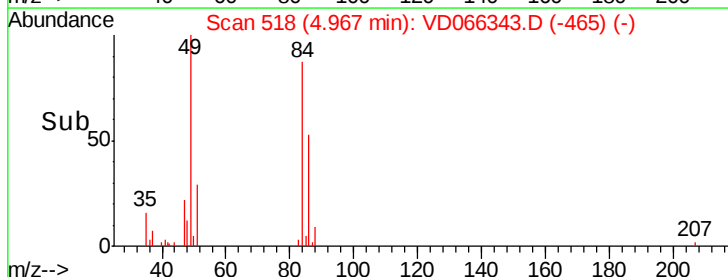
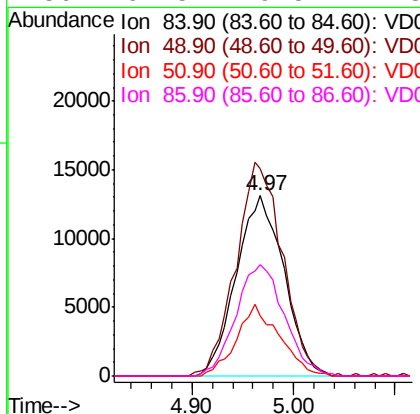
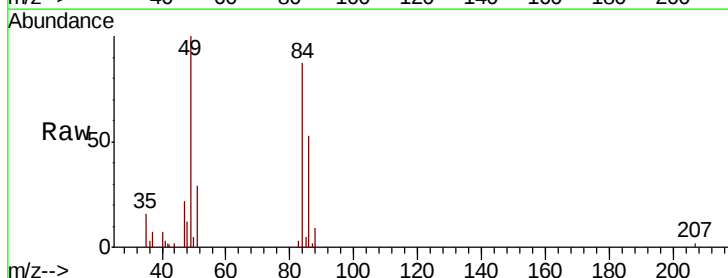
Instrument :
MSVOA_D
ClientSampleId :
SU-02-081820

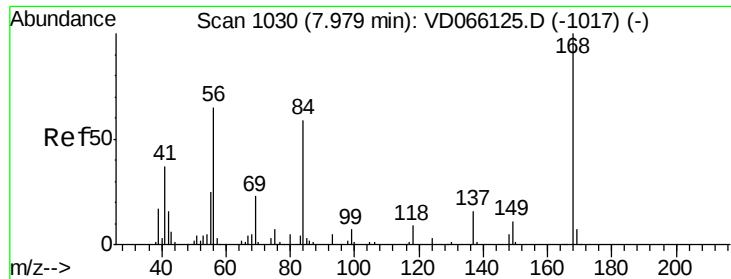
Tot Ion: 43 Resp: 7526
Ion Ratio Lower Upper
43 100
74 13.2 21.2 31.8#



#20
Methylene Chloride
Concen: 22.477 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

Tgt Ion: 84 Resp: 42770
Ion Ratio Lower Upper
84 100
49 115.2 93.5 140.3
51 33.6 28.2 42.4
86 61.5 49.5 74.3

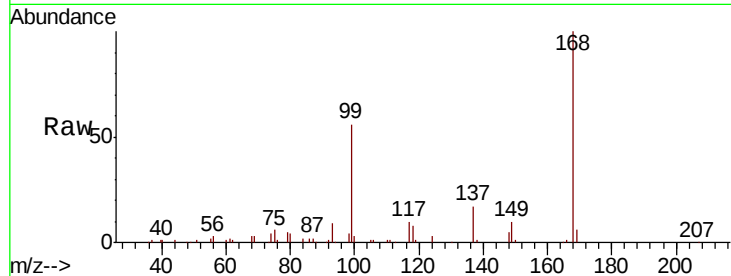




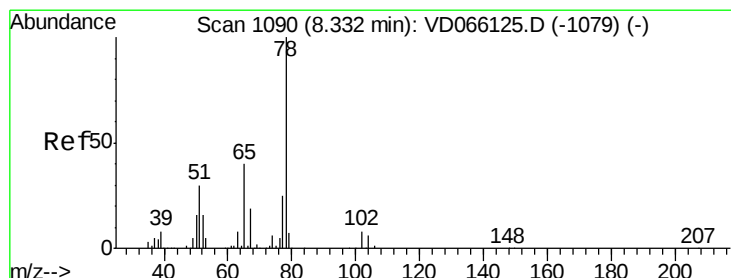
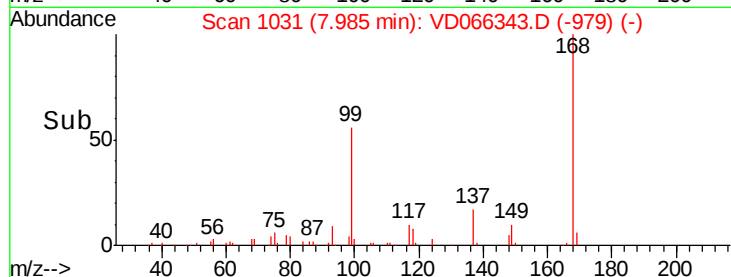
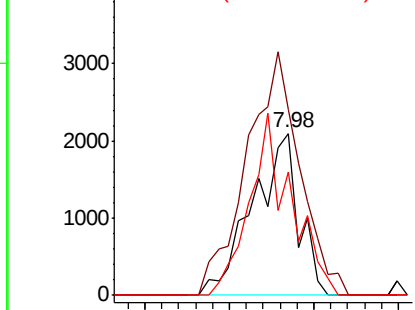
#31
Cyclohexane
Concen: 1.441 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

Instrument :
MSVOA_D
ClientSampleId :
SU-02-081820

Tot Ion: 56 Resp: 3957
Ion Ratio Lower Upper
56 100
69 115.4 28.8 43.2#
84 75.9 73.0 109.6

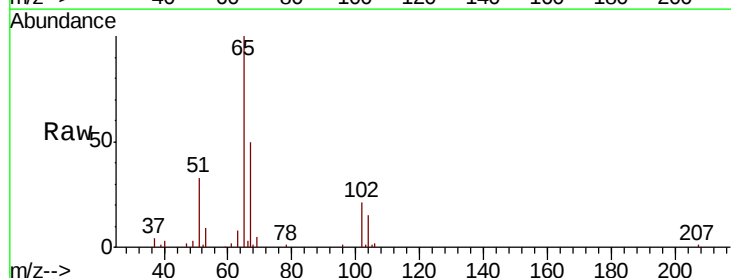


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

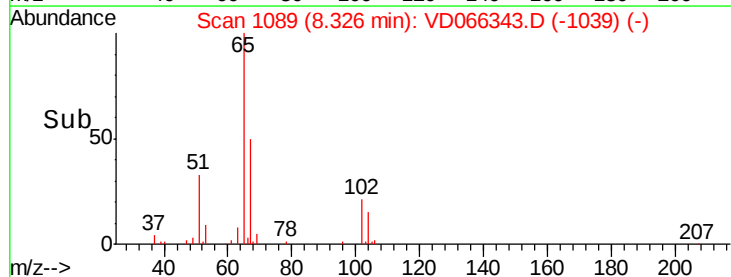
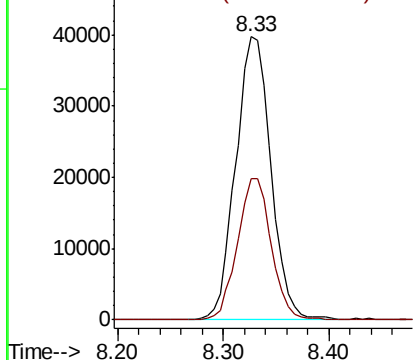


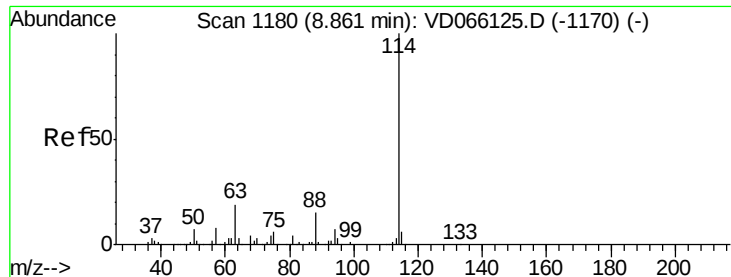
#33
1,2-Dichloroethane-d4
Concen: 58.632 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

Tgt Ion: 65 Resp: 91890
Ion Ratio Lower Upper
65 100
67 47.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

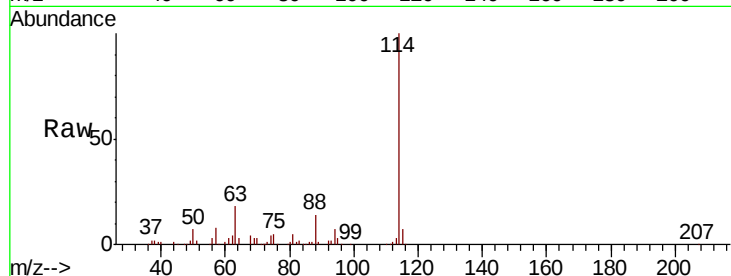




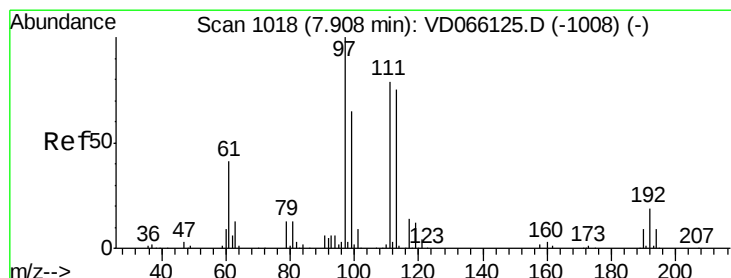
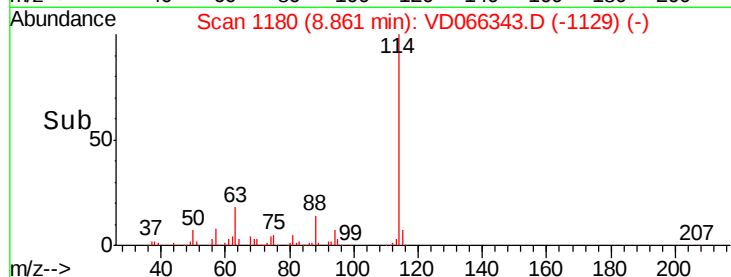
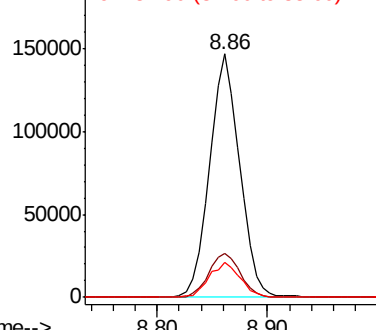
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066343.D
 Acq: 20 Aug 2020 04:34

Instrument :
 MSVOA_D
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 SU-02-081820

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.6
88	14.5	0.0	30.0

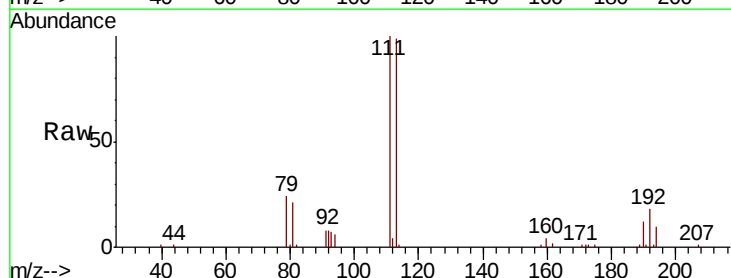


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

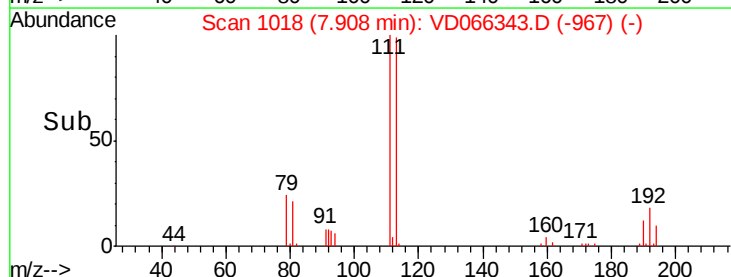
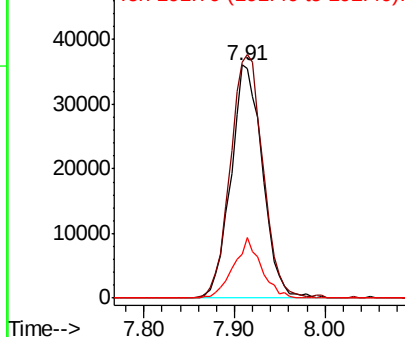


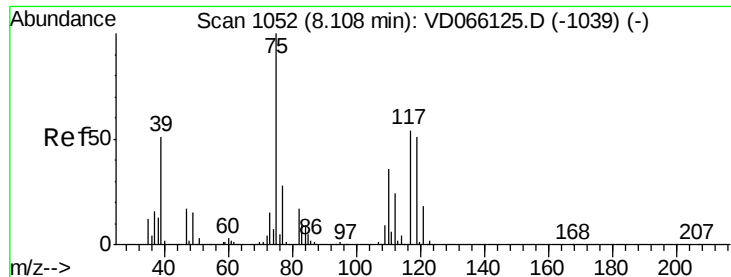
#35
 Dibromofluoromethane
 Concen: 48.826 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066343.D
 Acq: 20 Aug 2020 04:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.8	80.7	121.1
192	22.7	18.4	27.6



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





#36

1,1-Dichloropropene

Concen: 4.500 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066343.D

Acq: 20 Aug 2020 04:34

Instrument :

MSVOA_D

ClientSampleId :

SU-02-081820

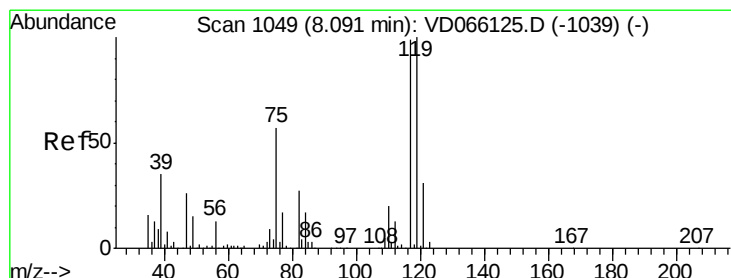
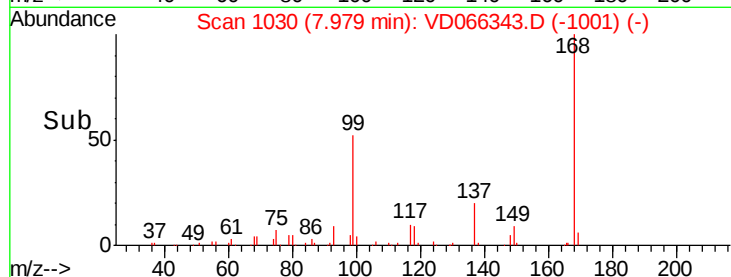
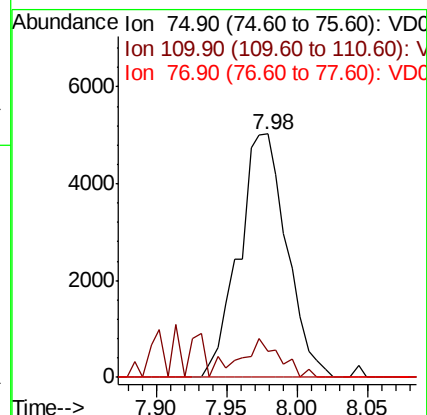
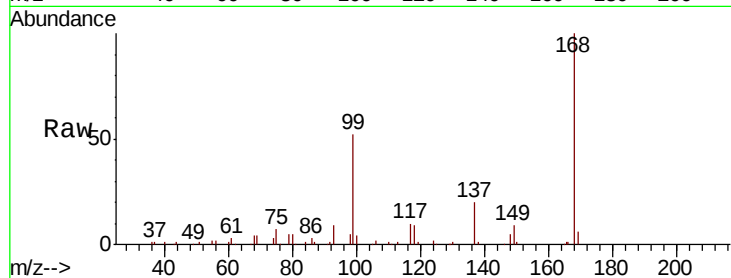
Tot Ion: 75 Resp: 11927

Ion Ratio Lower Upper

75 100

110 11.5 18.8 56.3#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066343.D

Acq: 20 Aug 2020 04:34

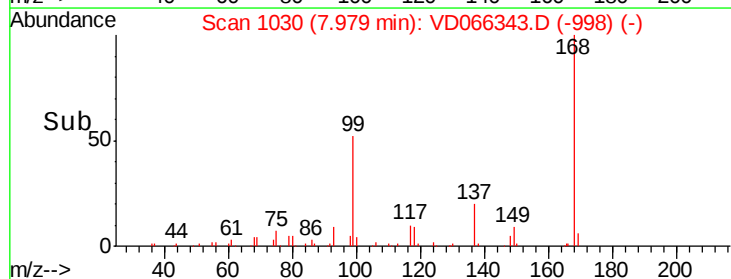
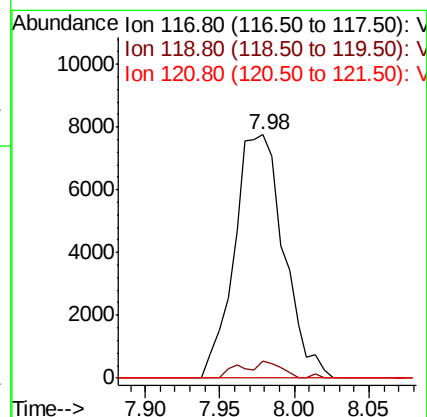
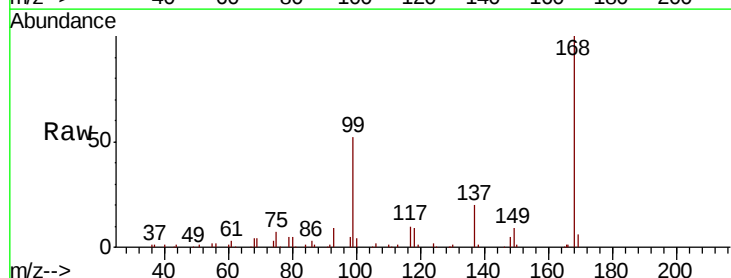
Tgt Ion: 117 Resp: 17845

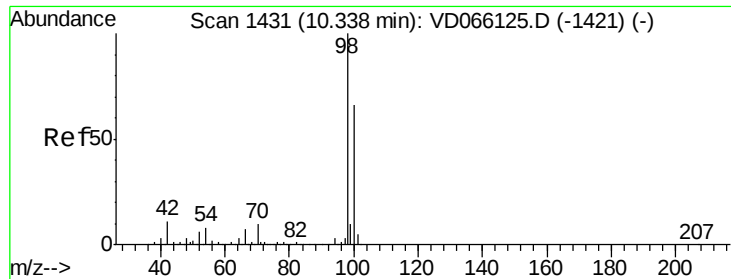
Ion Ratio Lower Upper

117 100

119 6.8 81.0 121.4#

121 0.0 24.8 37.2#

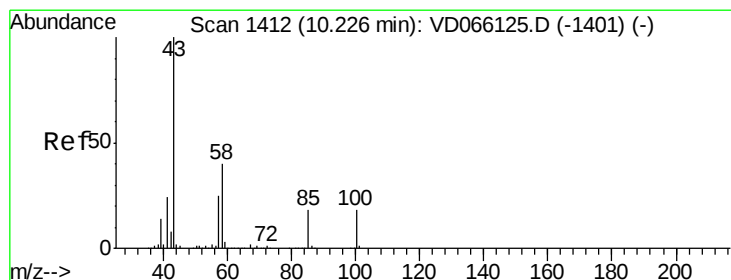
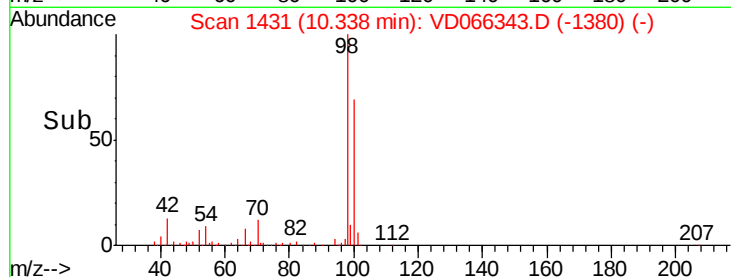
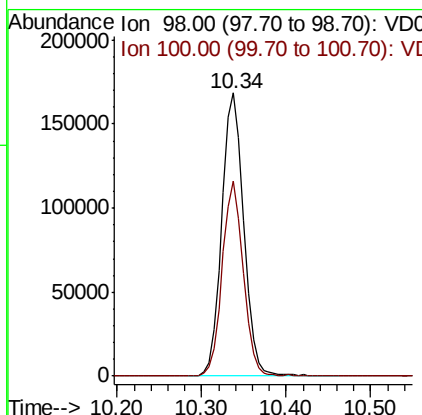
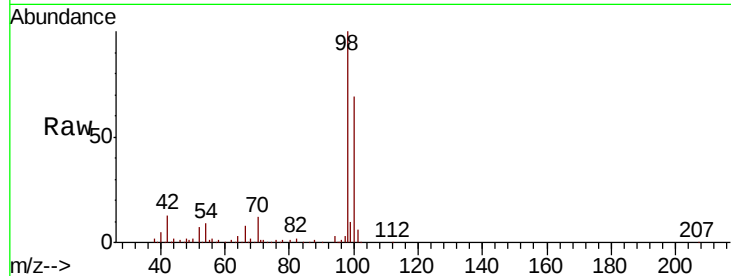




#50
Toluene-d8
Concen: 46.041 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

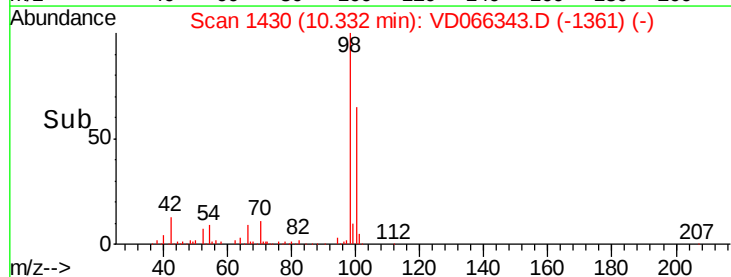
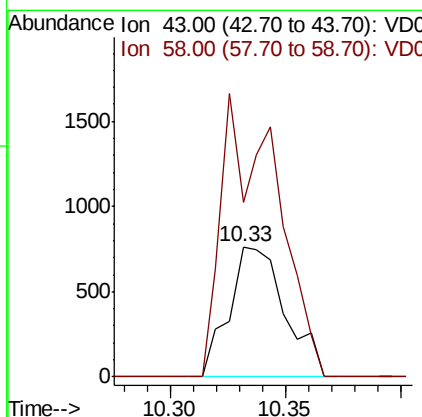
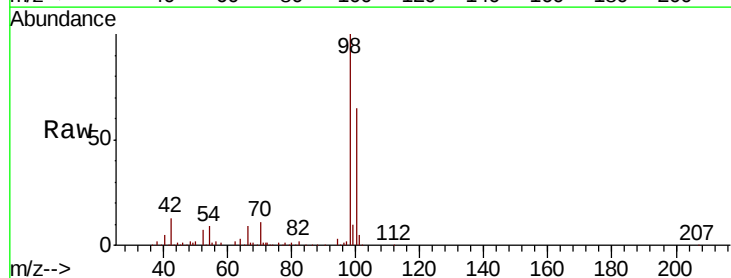
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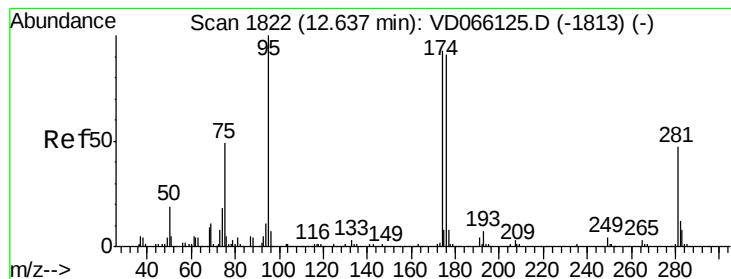
Tot Ion: 98 Resp: 303577
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.211 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066343.D
Acq: 20 Aug 2020 04:34

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
58 214.2 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 43.057 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066343.D

Acq: 20 Aug 2020 04:34

Instrument :

MSVOA_D

ClientSampleId :

SU-02-081820

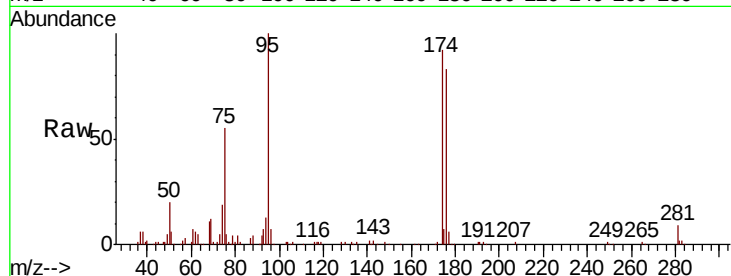
Tot Ion: 95 Resp: 102336

Ion Ratio Lower Upper

95 100

174 93.3 0.0 180.8

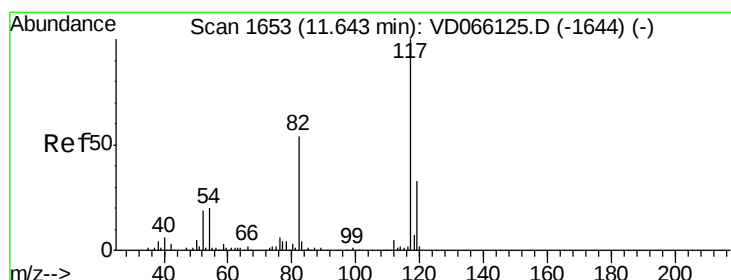
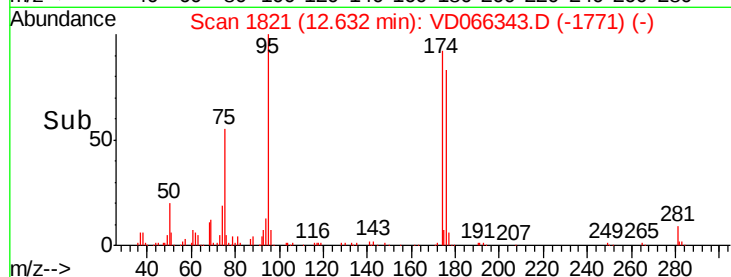
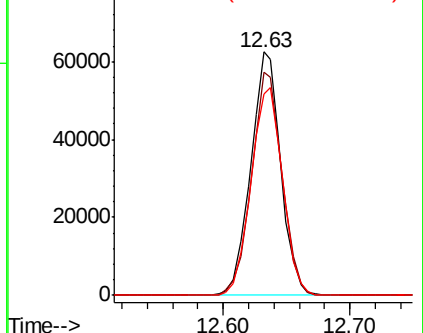
176 89.6 0.0 181.2



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: VD066343.D

Acq: 20 Aug 2020 04:34

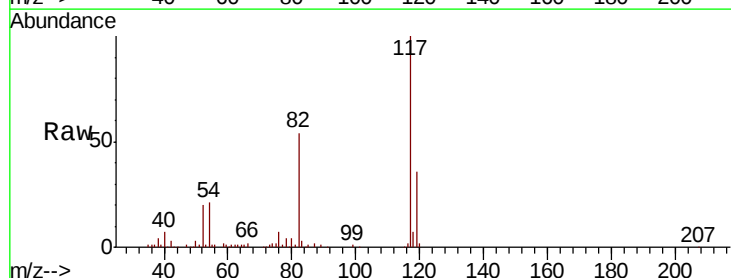
Tgt Ion: 117 Resp: 255457

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

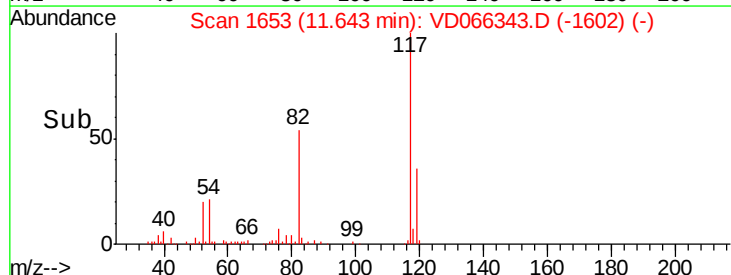
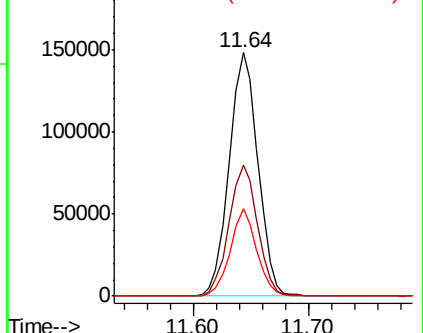
119 35.8 26.1 39.1

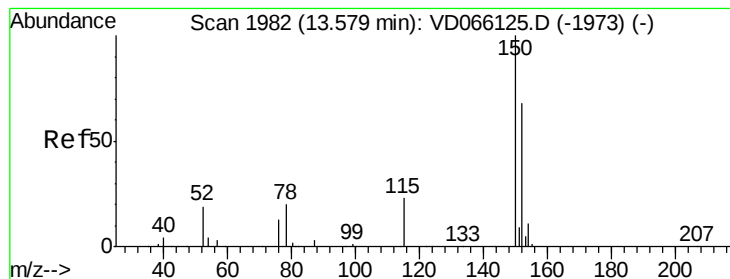


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066343.D

Acq: 20 Aug 2020 04:34

Instrument :

MSVOA_D

ClientSampleId :

SU-02-081820

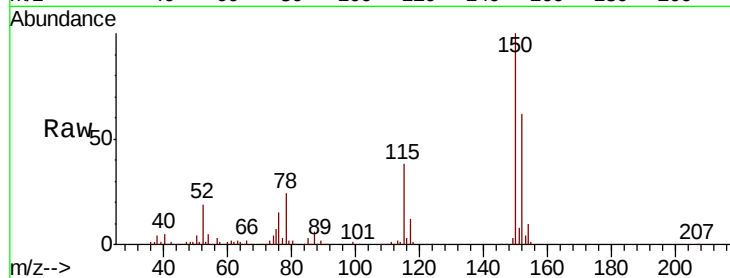
Tot Ion:152 Resp: 121265

Ion Ratio Lower Upper

152 100

115 56.9 28.0 83.9

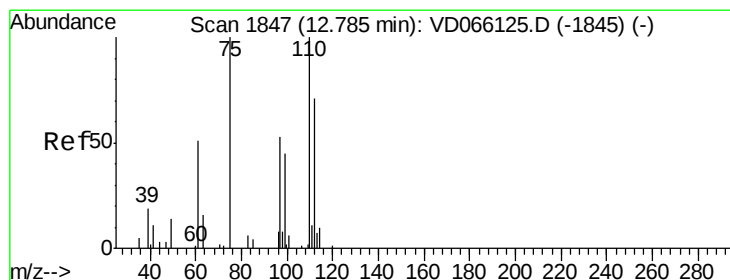
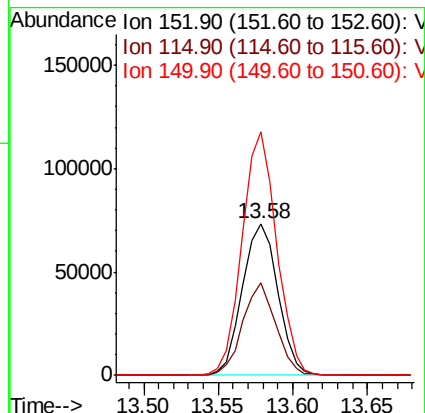
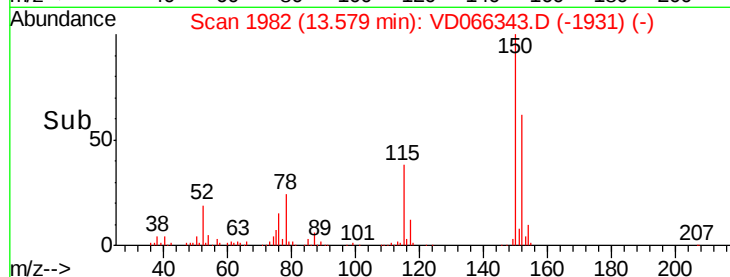
150 155.7 0.0 346.4



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: 54.478 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066343.D

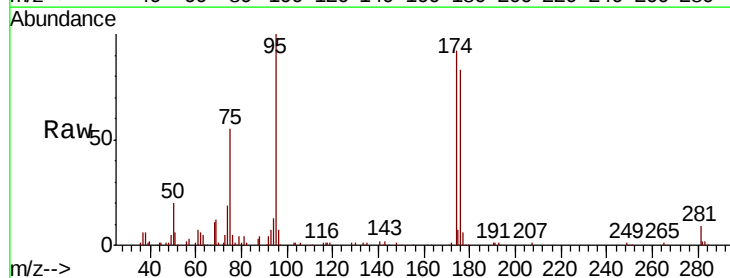
Acq: 20 Aug 2020 04:34

Tgt Ion: 75 Resp: 55092

Ion Ratio Lower Upper

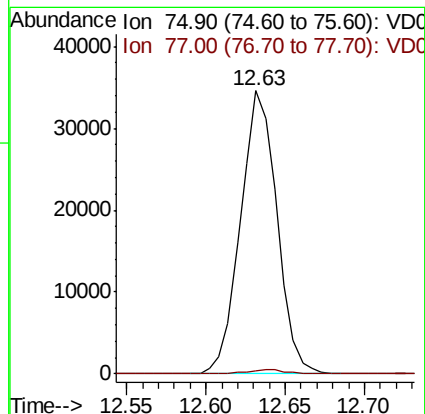
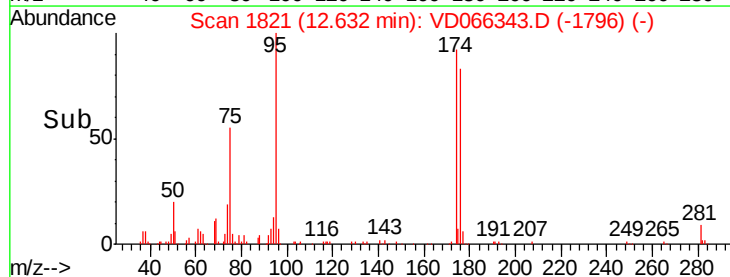
75 100

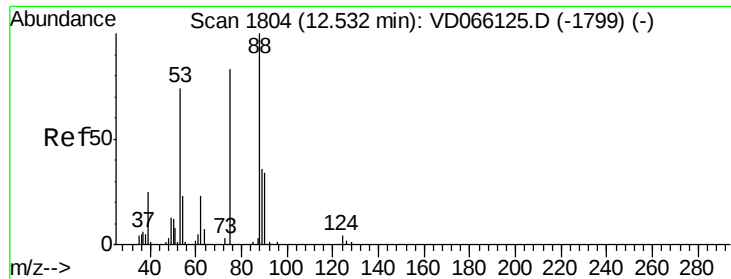
77 1.5 0.0 0.0#



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: 120.428 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066343.D

Acq: 20 Aug 2020 04:34

Instrument :

MSVOA_D

ClientSampleId :

SU-02-081820

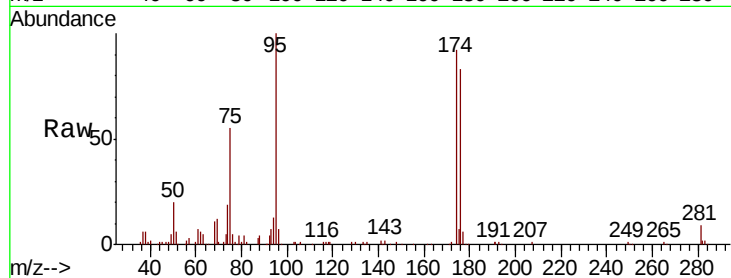
Tot Ion: 75 Resp: 55092

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

