

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066332.D
 Acq On : 19 Aug 2020 23:10
 Operator : VA/SY
 Sample : VD0819SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBL02

Quant Time: Aug 20 07:20:29 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	204440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	321521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	295098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145368	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	117468	64.40	ug/l	0.00
Spiked Amount			Recovery	=	128.80%	
35) Dibromofluoromethane	7.91	113	112848	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
50) Toluene-d8	10.34	98	398721	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.63	95	140675	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

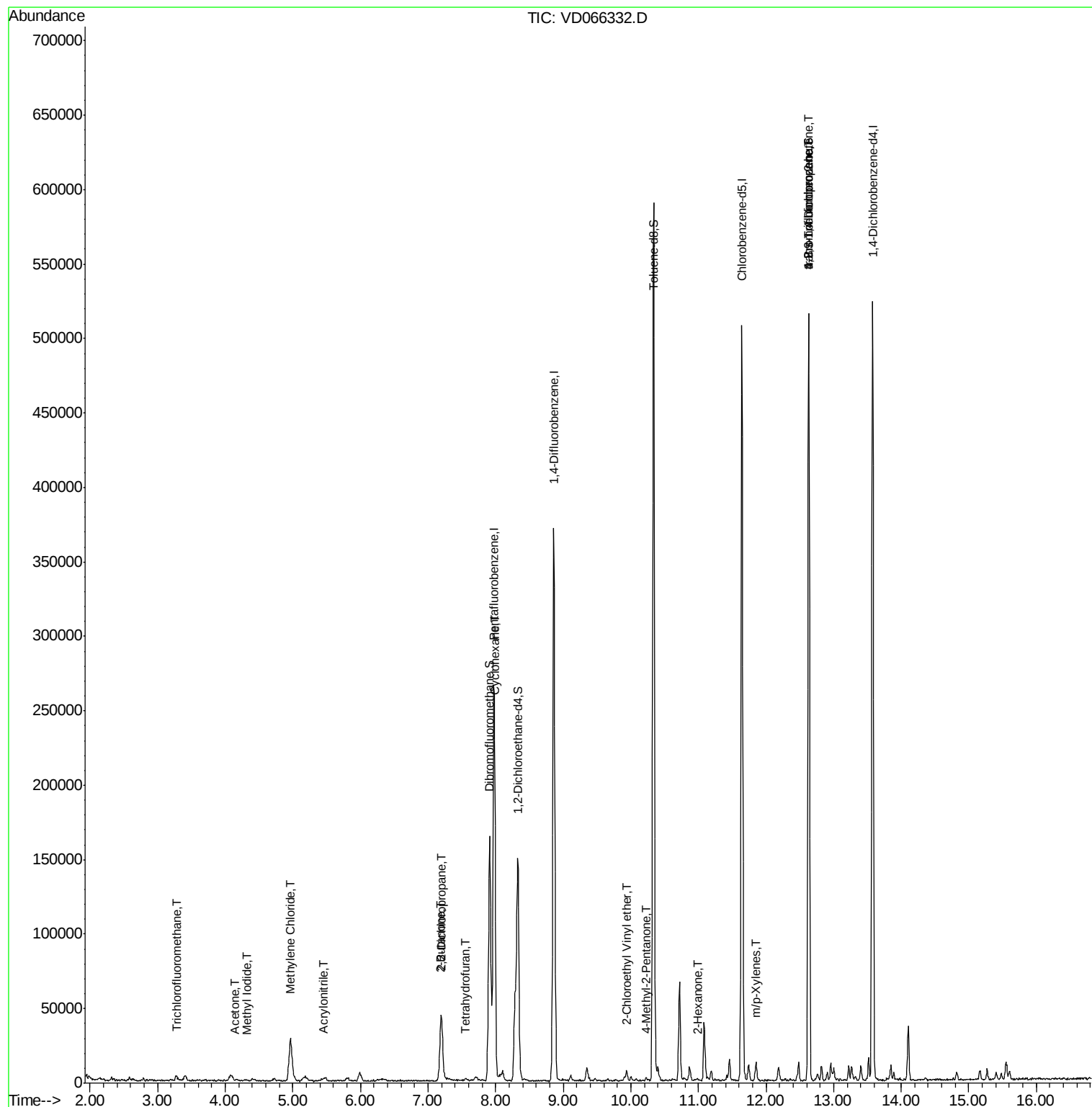
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.28	101	3832	1.185	ug/l #	55
10) Methyl Iodide	4.31	142	1319	7.365	ug/l #	55
11) Tert butyl alcohol	5.25	59	143	Below Cal	#	76
15) Acrylonitrile	5.44	53	529	1.376	ug/l #	43
16) Acetone	4.15	43	1488	4.300	ug/l #	44
20) Methylene Chloride	4.97	84	21178	6.608	ug/l	95
25) 2-Butanone	7.19	43	1344	2.640	ug/l #	47
26) 2,2-Dichloropropane	7.19	77	4788	1.591	ug/l #	55
29) Tetrahydrofuran	7.56	42	656	2.080	ug/l #	69
31) Cyclohexane	7.99	56	6855	2.145	ug/l #	70
51) 4-Methyl-2-Pentanone	10.22	43	1823	1.505	ug/l #	78
58) 2-Chloroethyl Vinyl ether	9.94	63	2783	3.168	ug/l	94
59) 2-Hexanone	10.98	43	1307	1.537	ug/l	64
68) m/p-Xylenes	11.86	106	4208	1.046	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	73768	60.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	73768	134.515	ug/l #	13

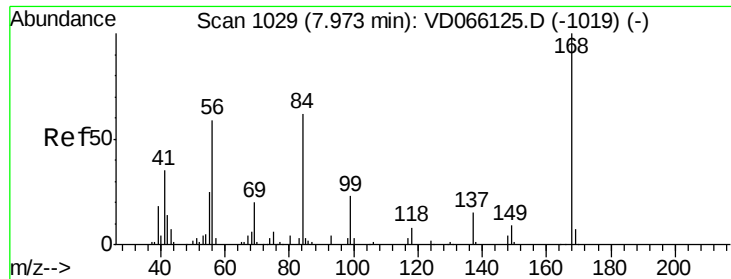
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA_D

ClientSampleId :

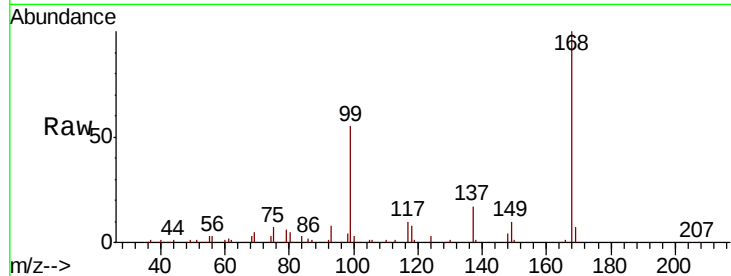
VD0819SBL02

Tot Ion:168 Resp: 204440

Ion Ratio Lower Upper

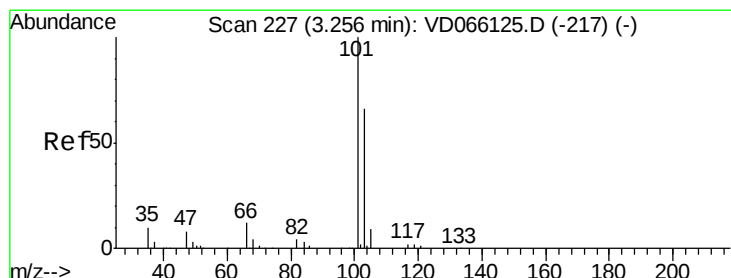
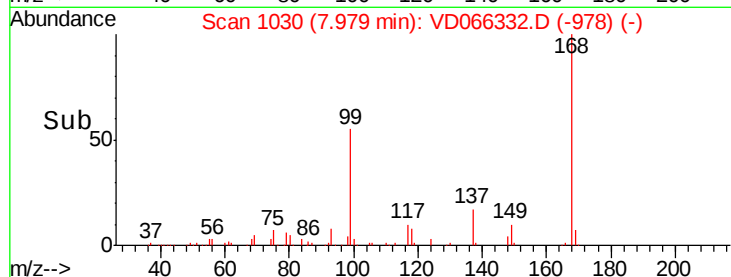
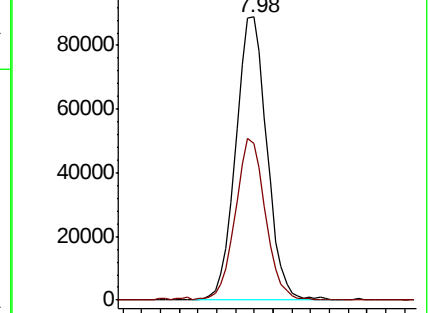
168 100

99 55.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#7

Trichlorofluoromethane

Concen: 1.185 ug/l

RT: 3.28 min Scan# 231

Delta R.T. 0.02 min

Lab File: VD066332.D

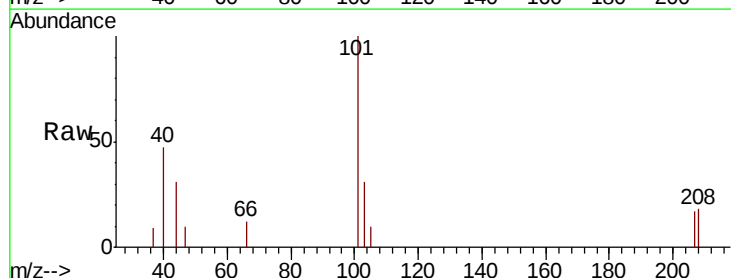
Acq: 19 Aug 2020 23:10

Tgt Ion:101 Resp: 3832

Ion Ratio Lower Upper

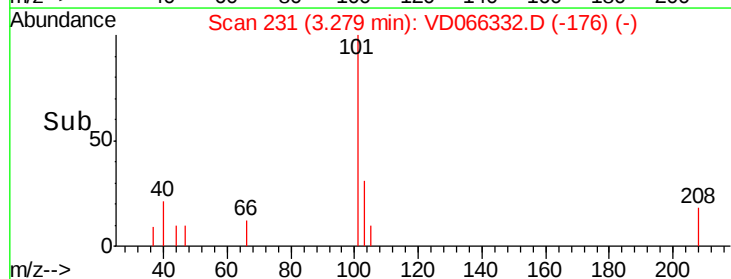
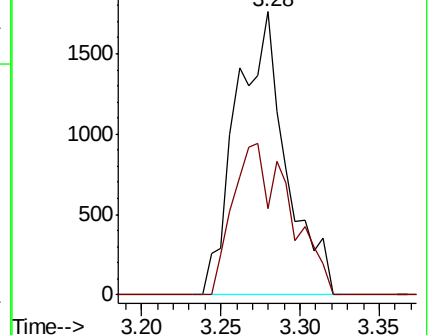
101 100

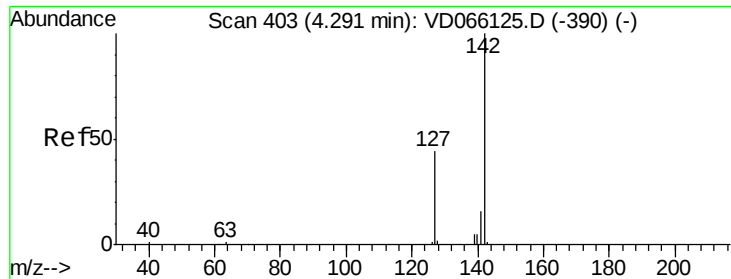
103 30.6 53.0 79.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

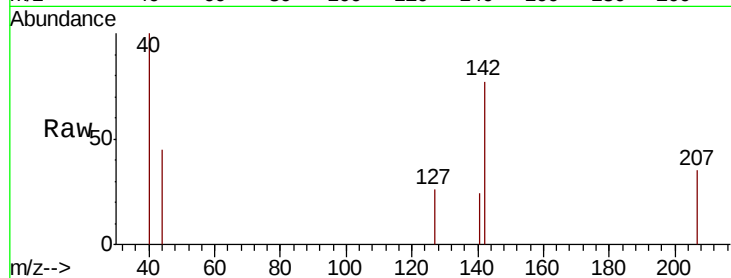




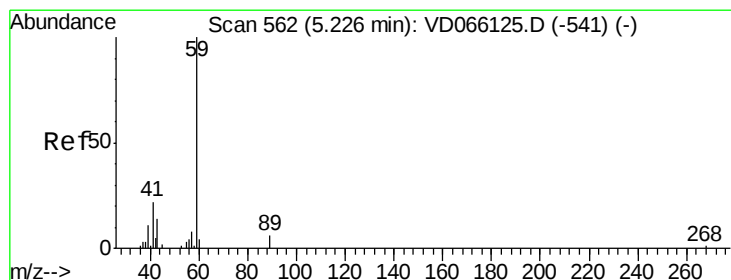
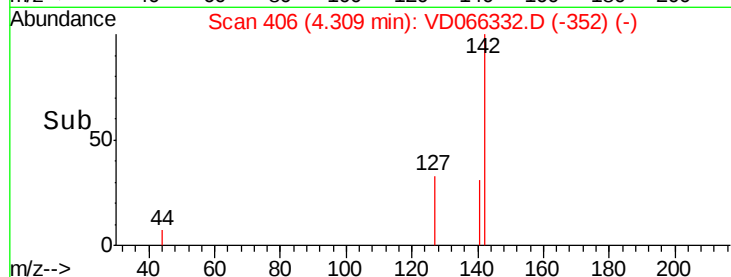
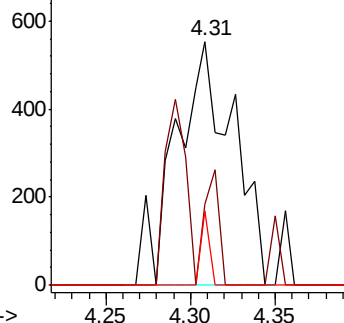
#10
Methyl Iodide
Concen: 7.365 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.02 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL02

Tot Ion:142 Resp: 1319
Ion Ratio Lower Upper
142 100
127 11.9 36.2 54.4#
141 4.5 12.6 18.8#

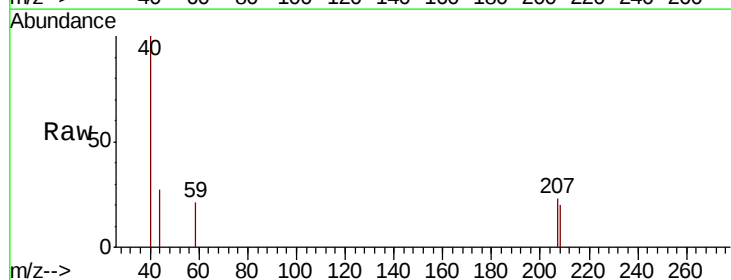


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

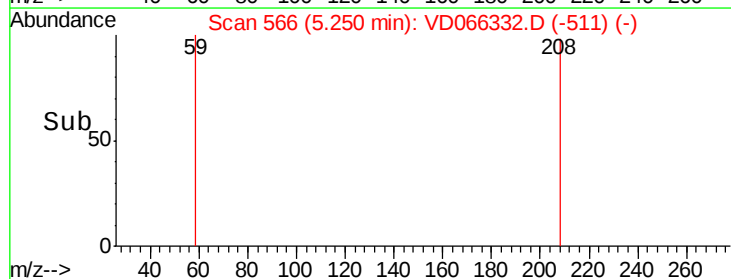
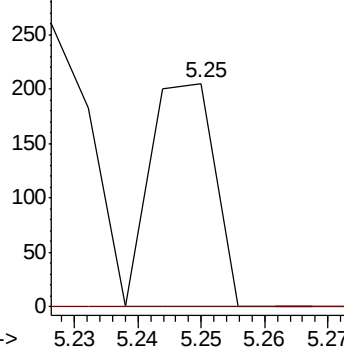


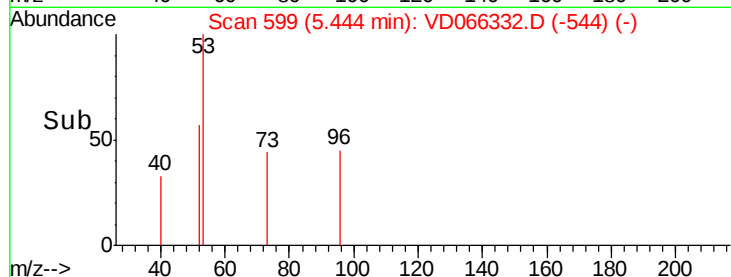
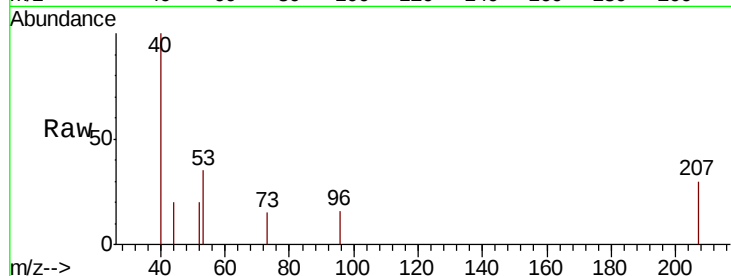
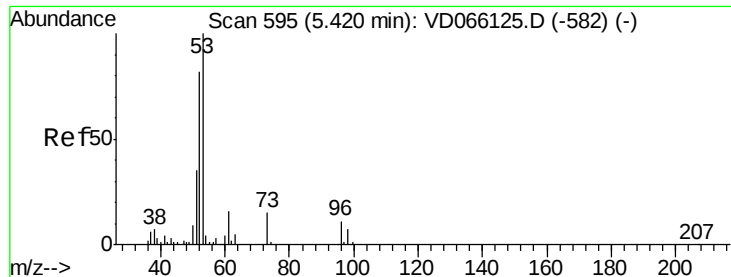
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. 0.02 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#15

Acrylonitrile

Concen: 1.376 ug/l

RT: 5.44 min Scan# 599

Delta R.T. 0.02 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA_D

ClientSampleID :

VD0819SBL02

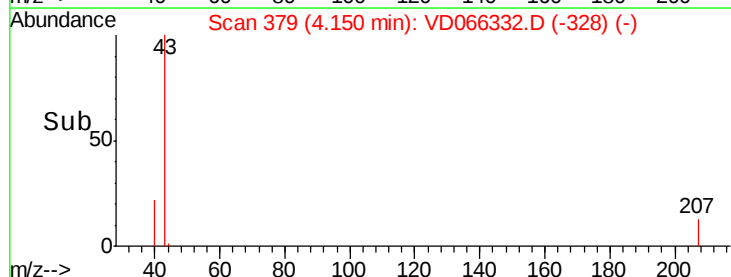
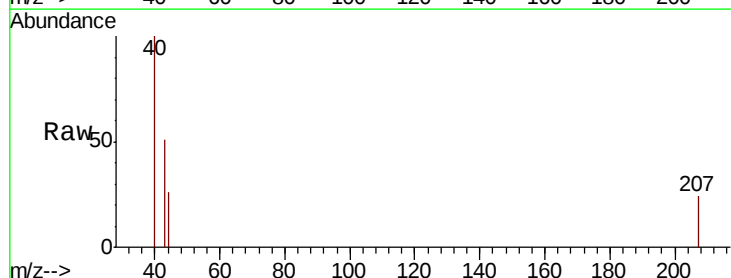
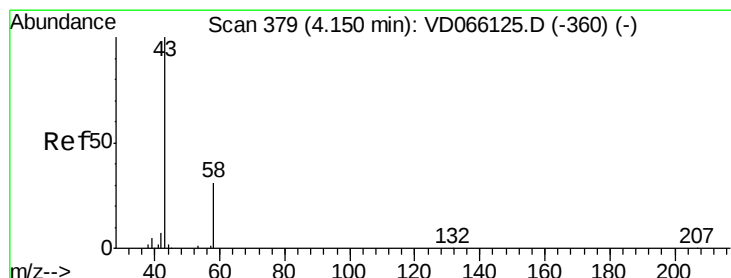
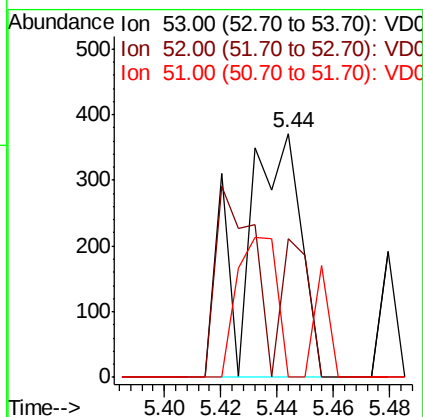
Tot Ion: 53 Resp: 529

Ion Ratio Lower Upper

53 100

52 26.5 66.1 99.1#

51 11.3 30.8 46.2#



#16

Acetone

Concen: 4.300 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066332.D

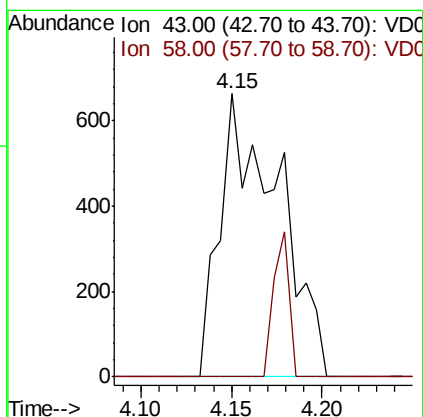
Acq: 19 Aug 2020 23:10

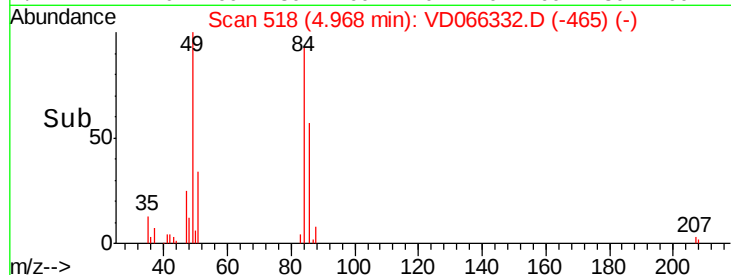
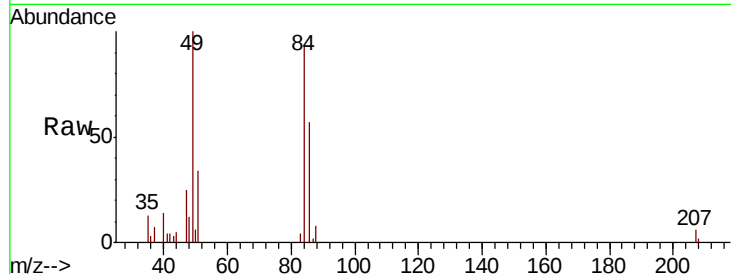
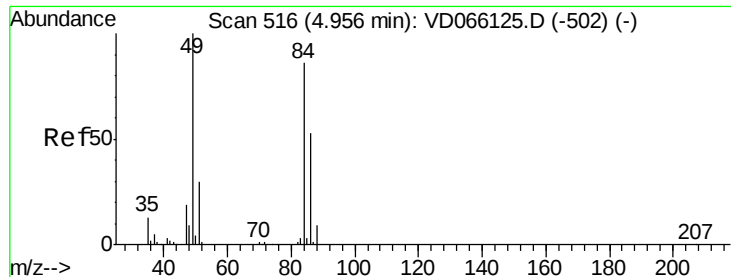
Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#

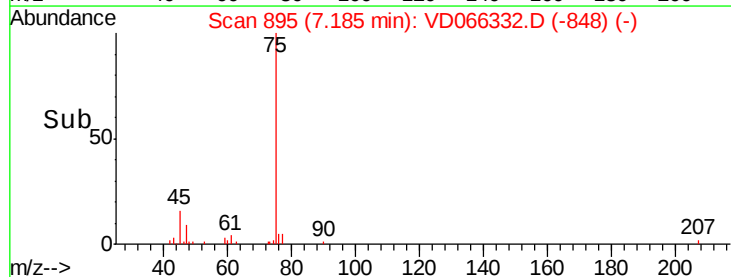
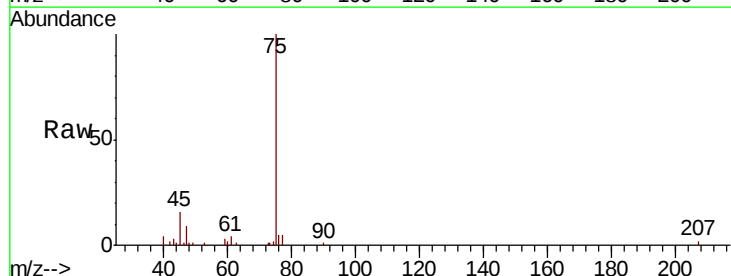
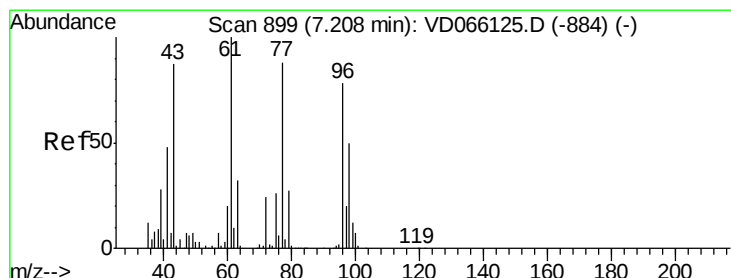
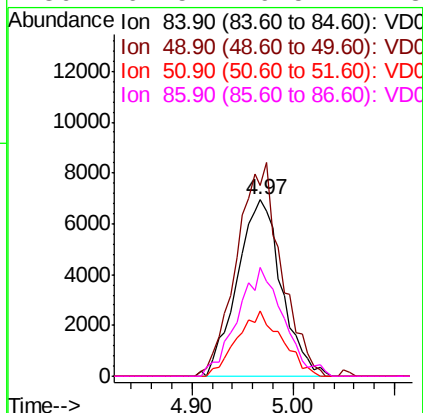




#20
Methvlene Chloride
Concen: 6.608 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

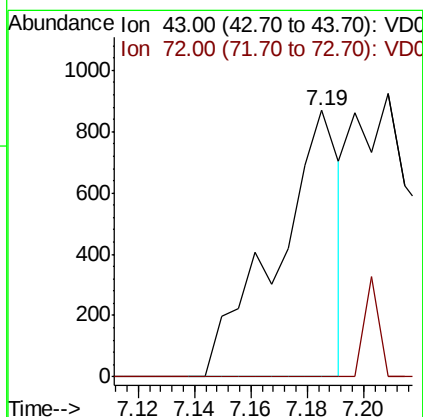
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL02

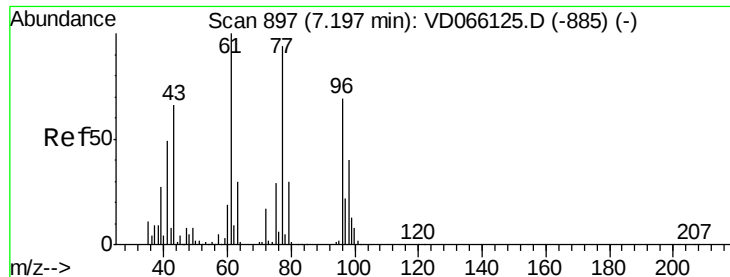
Tot Ion:	84	Resp:	21178
Ion	Ratio	Lower	Upper
84	100		
49	108.0	93.5	140.3
51	37.2	28.2	42.4
86	61.5	49.5	74.3



#25
2-Butanone
Concen: 2.640 ug/l
RT: 7.19 min Scan# 895
Delta R.T. -0.02 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Tgt Ion:	43	Resp:	1344
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#





#26

2,2-Dichloropropane

Concen: 1.591 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.01 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA_D

ClientSampleId :

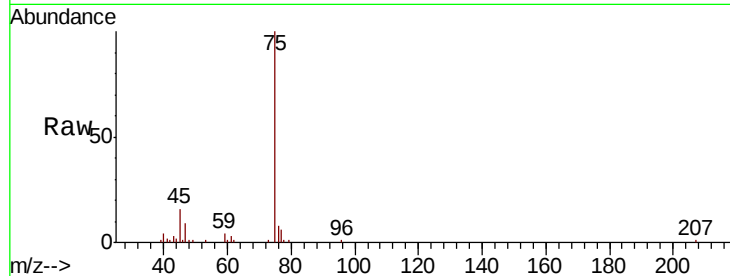
VD0819SBL02

Tot Ion: 77 Resp: 4788

Ion Ratio Lower Upper

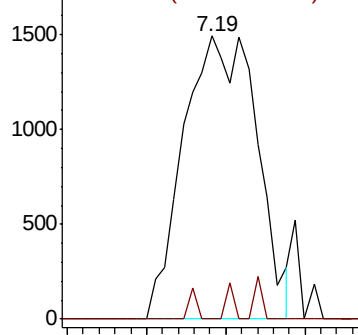
77 100

97 1.4 11.8 35.3#

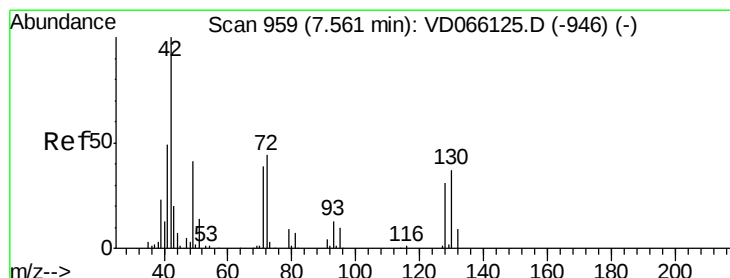
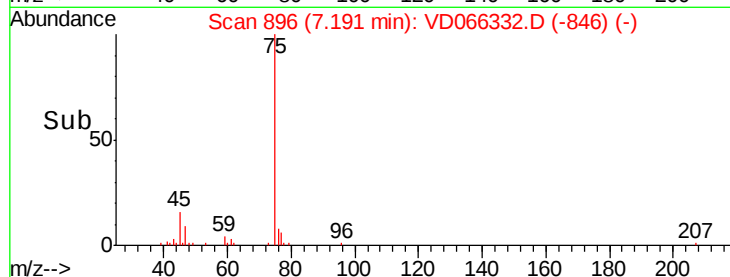


Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time--> 7.10 7.15 7.20 7.25



#29

Tetrahydrofuran

Concen: 2.080 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

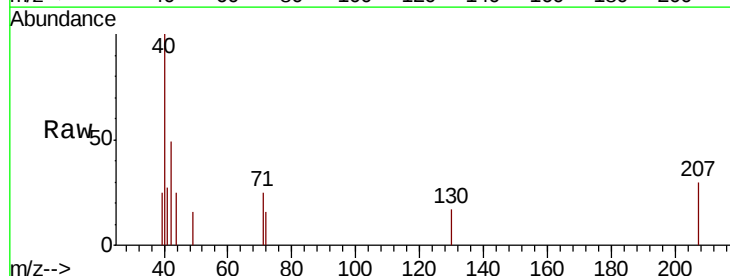
Tgt Ion: 42 Resp: 656

Ion Ratio Lower Upper

42 100

72 8.2 34.8 52.2#

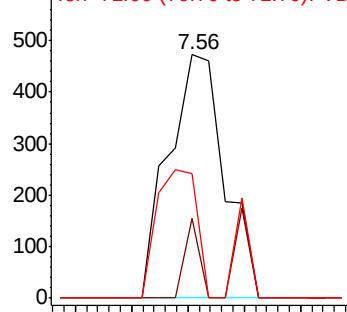
71 37.5 33.5 50.3



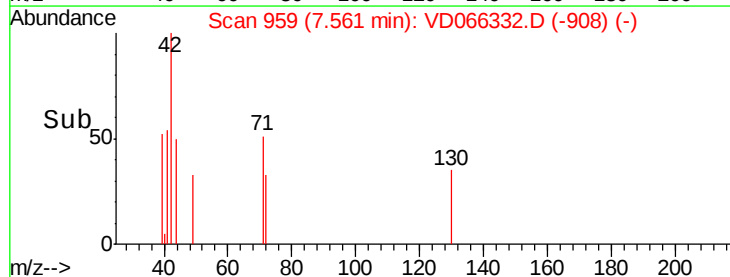
Abundance Ion 42.00 (41.70 to 42.70): VDC

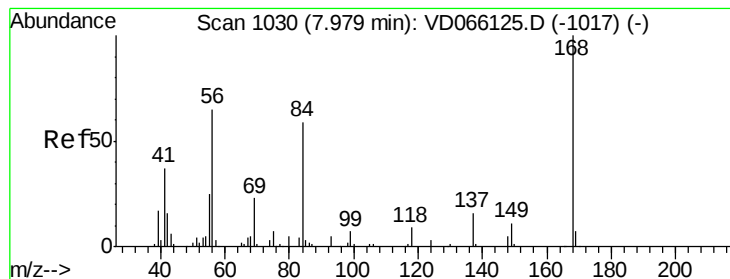
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time--> 7.52 7.54 7.56 7.58 7.60





#31

Cyclohexane

Concen: 2.145 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

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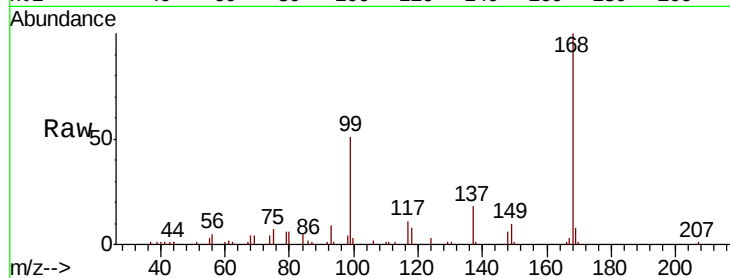
Tot Ion: 56 Resp: 6855

Ion Ratio Lower Upper

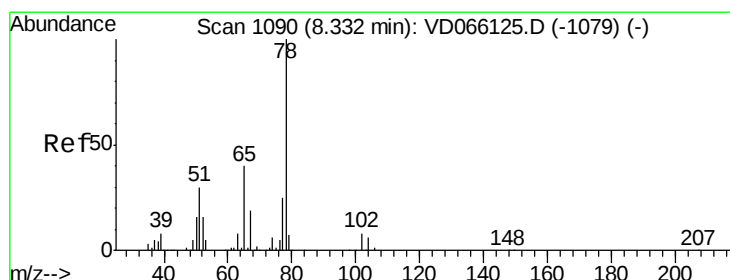
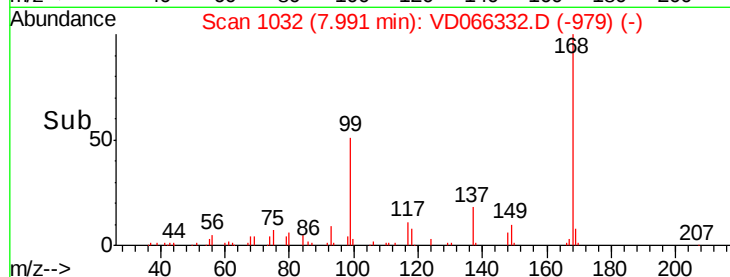
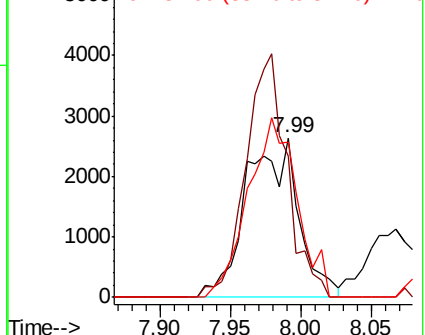
56 100

69 88.8 28.8 43.2#

84 97.6 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: 64.404 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066332.D

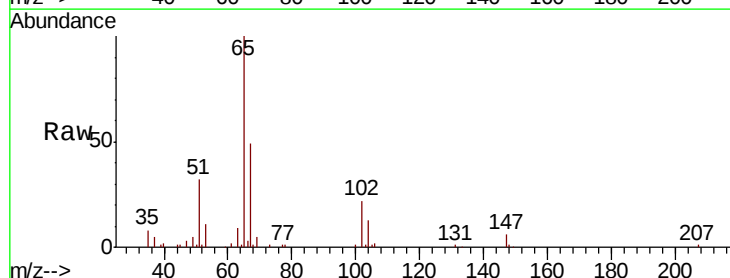
Acq: 19 Aug 2020 23:10

Tgt Ion: 65 Resp: 117468

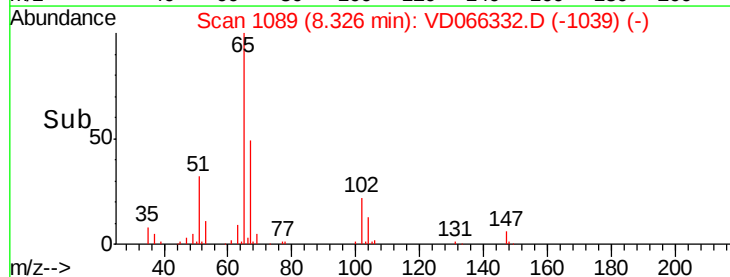
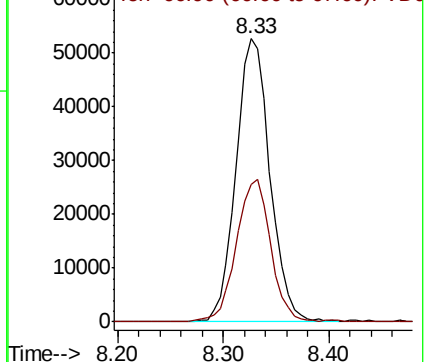
Ion Ratio Lower Upper

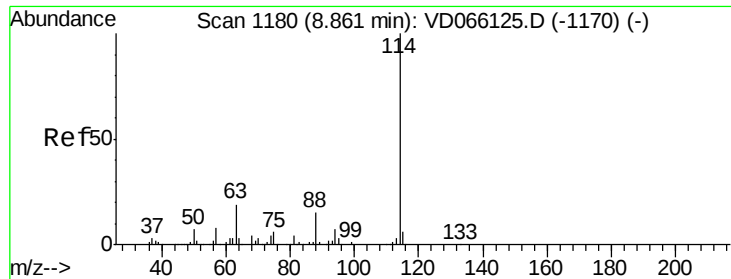
65 100

67 50.6 0.0 104.6



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

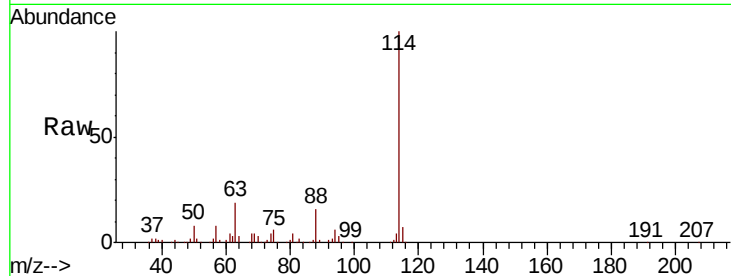




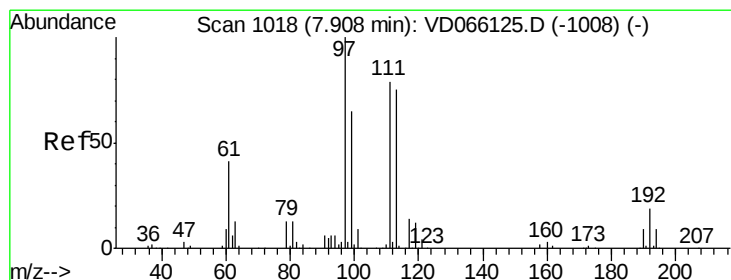
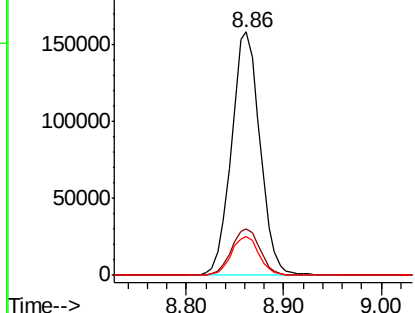
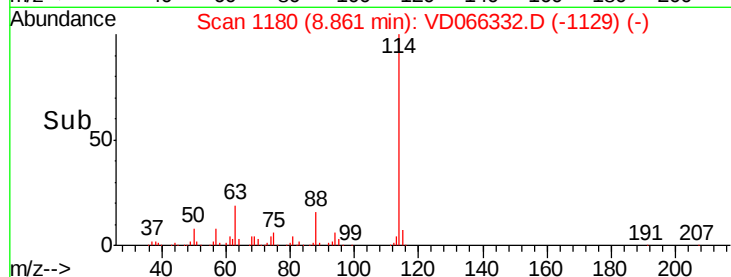
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066332.D
 Acq: 19 Aug 2020 23:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	15.8	0.0	30.0

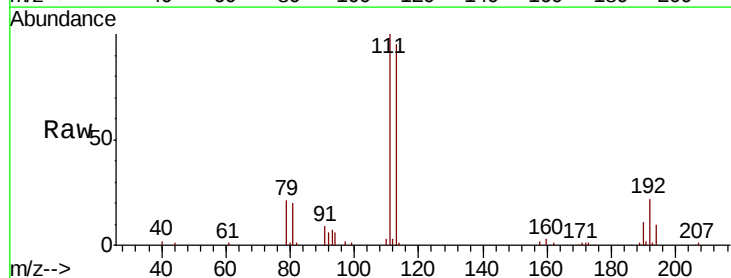


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

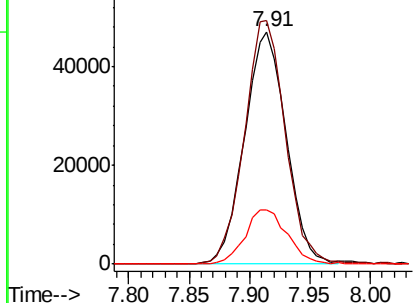
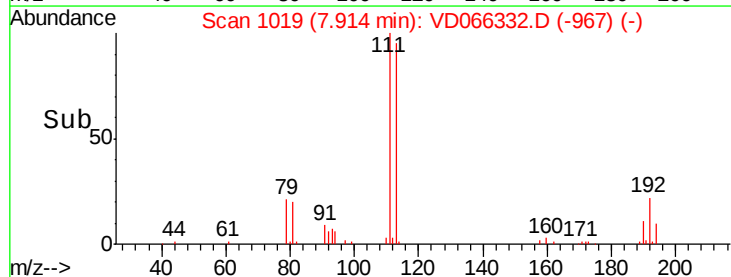


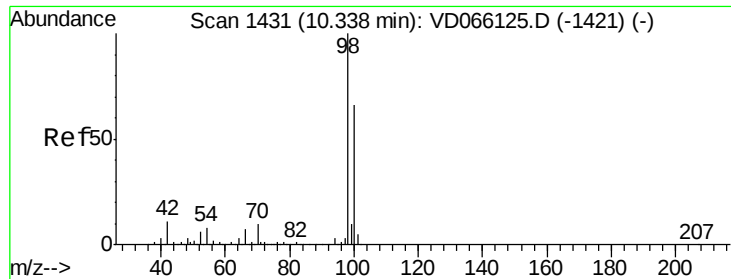
#35
 Dibromofluoromethane
 Concen: 55.404 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066332.D
 Acq: 19 Aug 2020 23:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.7	121.1
192	23.7	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

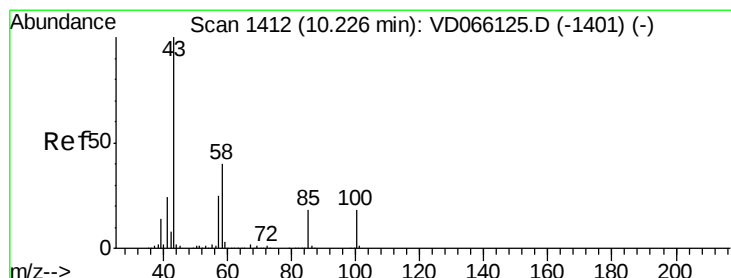
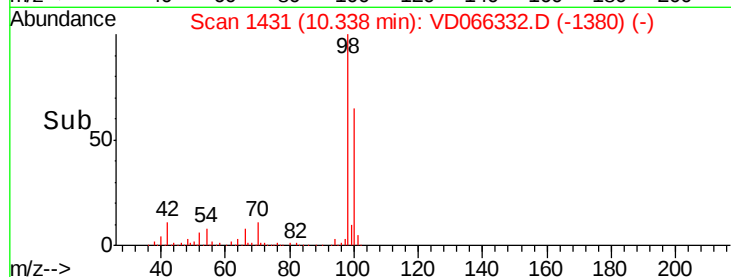
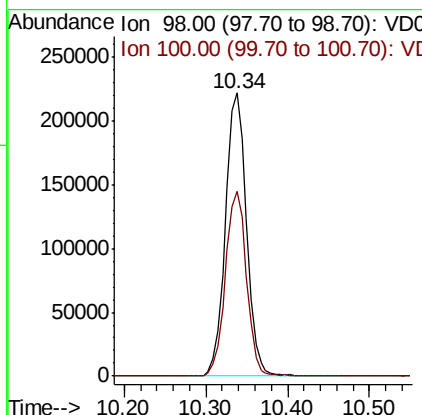
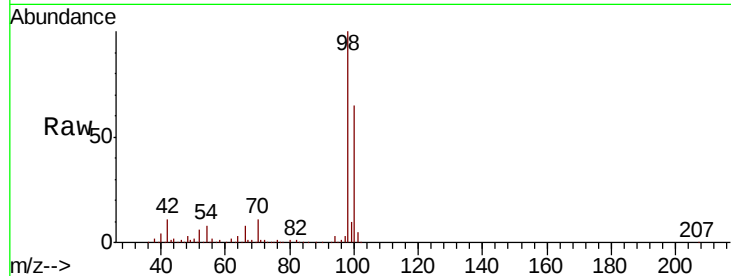




#50
Toluene-d8
Concen: 53.048 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

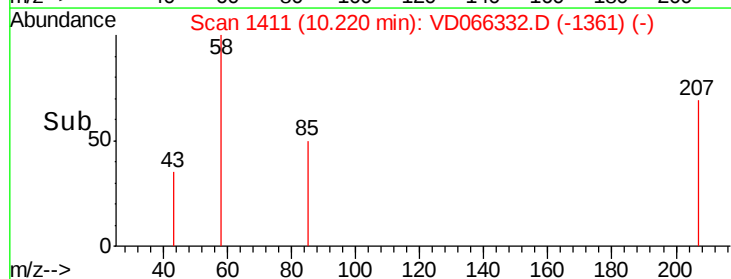
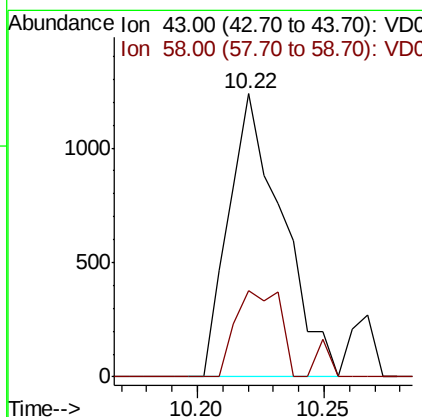
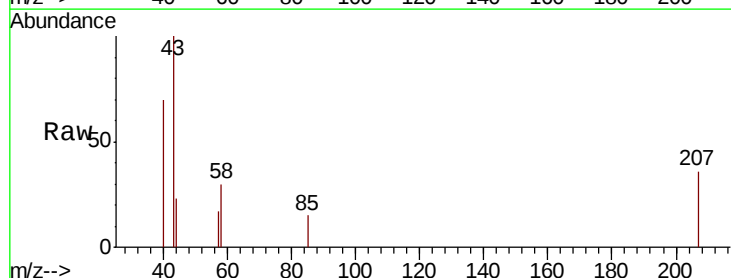
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL02

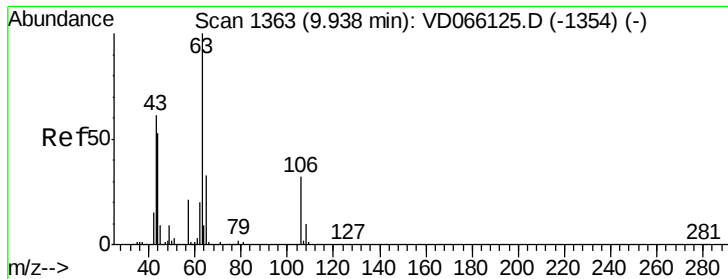
Tot Ion: 98 Resp: 398721
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 25.4 31.1 46.7#

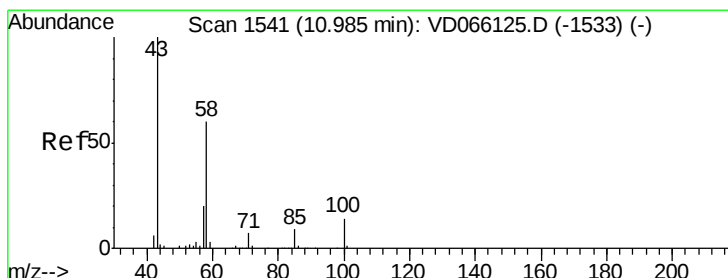
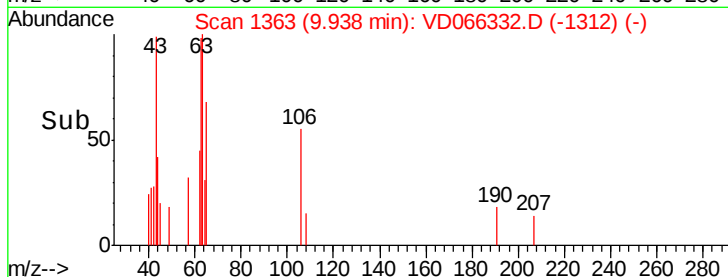
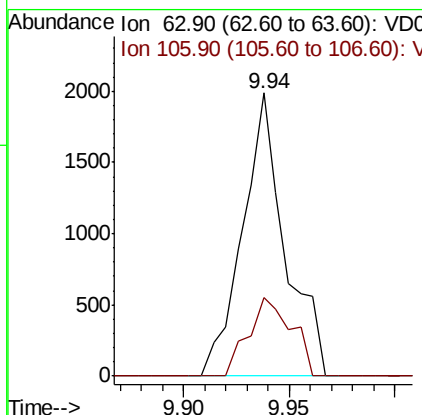
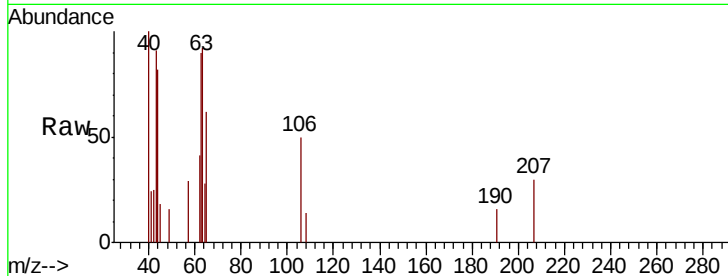




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.168 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066332.D
 Acq: 19 Aug 2020 23:10

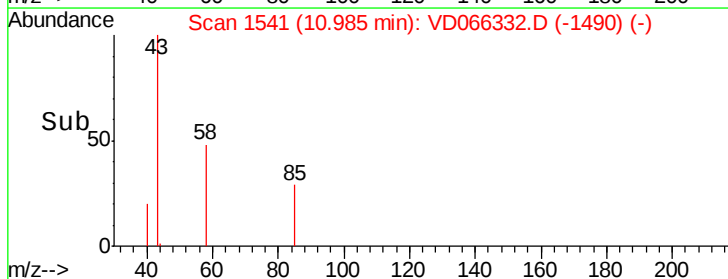
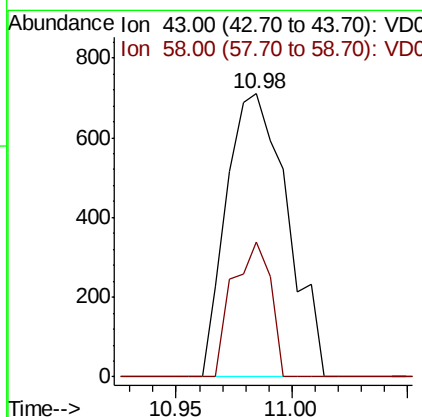
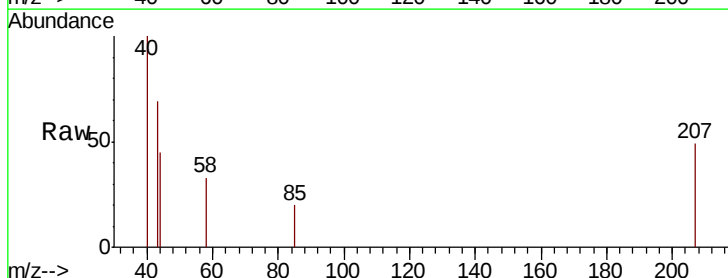
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBL02

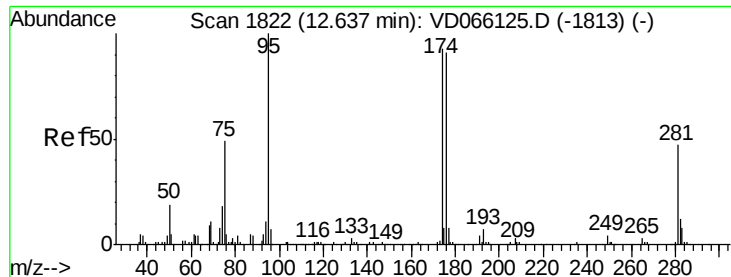
Tot Ion: 63 Resp: 2783
 Ion Ratio Lower Upper
 63 100
 106 28.2 25.3 37.9



#59
 2-Hexanone
 Concen: 1.537 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: VD066332.D
 Acq: 19 Aug 2020 23:10

Tgt Ion: 43 Resp: 1307
 Ion Ratio Lower Upper
 43 100
 58 29.6 27.8 83.4

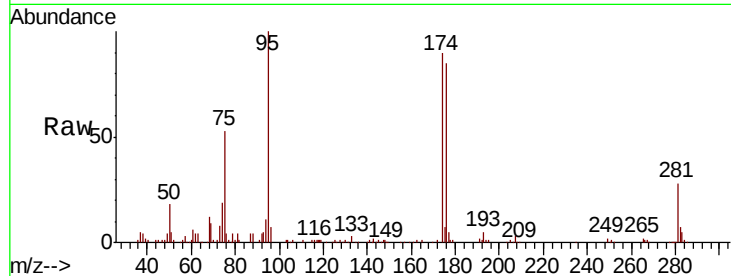




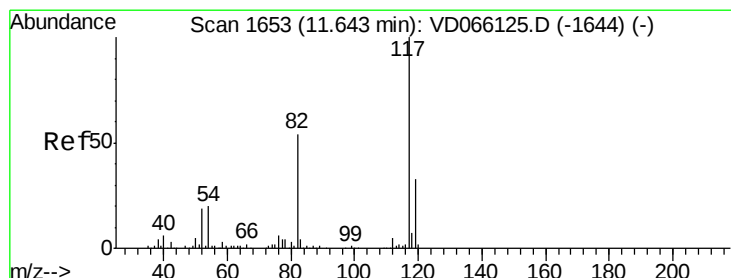
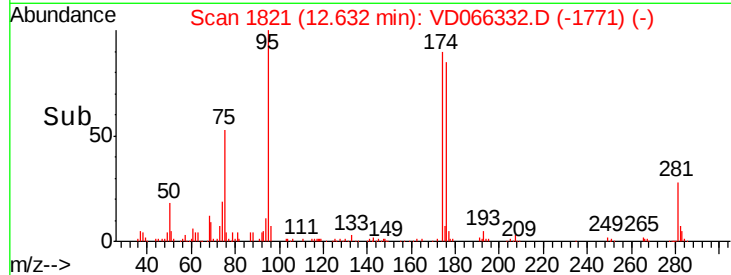
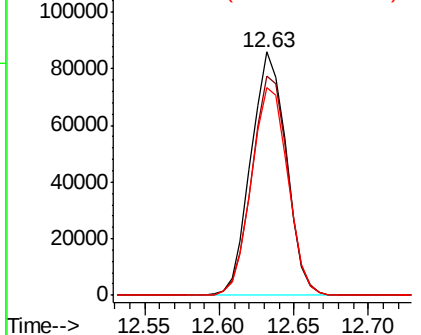
#62
4-Bromofluorobenzene
Concen: 51.922 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL02

Tot Ion: 95 Resp: 140675
Ion Ratio Lower Upper
95 100
174 91.5 0.0 180.8
176 87.8 0.0 181.2

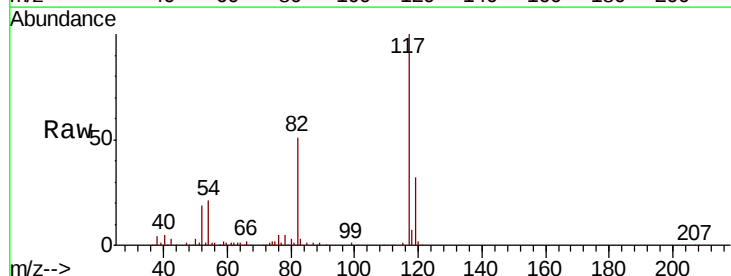


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

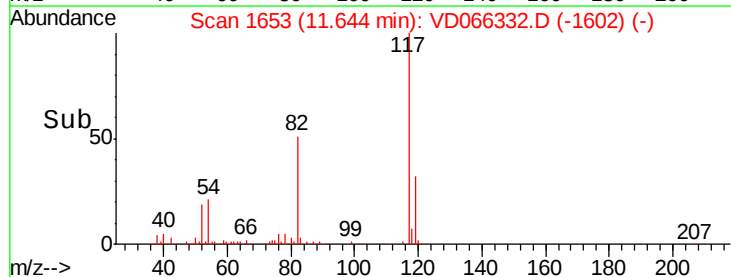
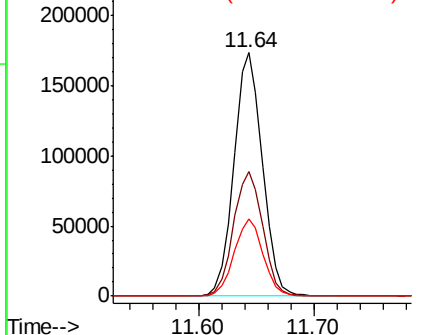


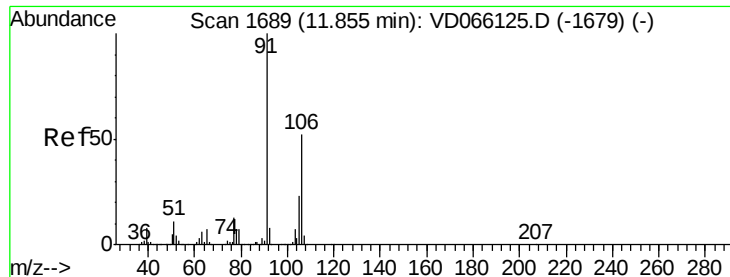
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066332.D
Acq: 19 Aug 2020 23:10

Tgt Ion: 117 Resp: 295098
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 31.6 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





#68

m/p-Xvlenes

Concen: 1.046 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA_D

ClientSampleId :

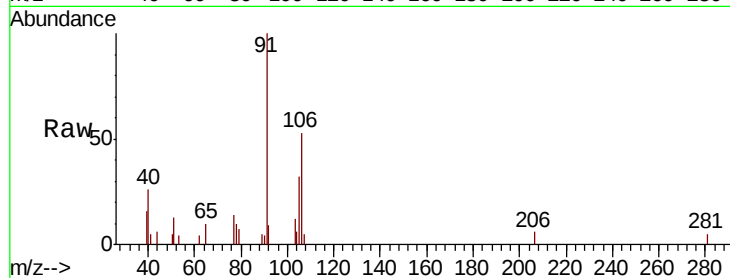
VD0819SBL02

Tot Ion:106 Resp: 4208

Ion Ratio Lower Upper

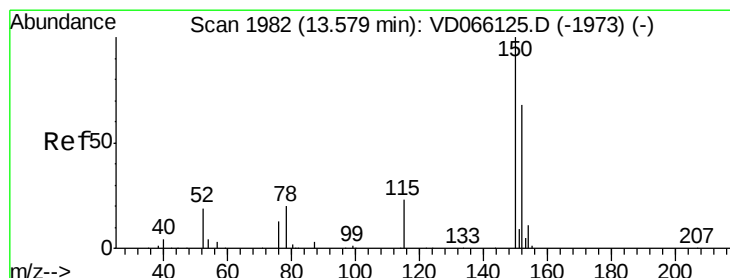
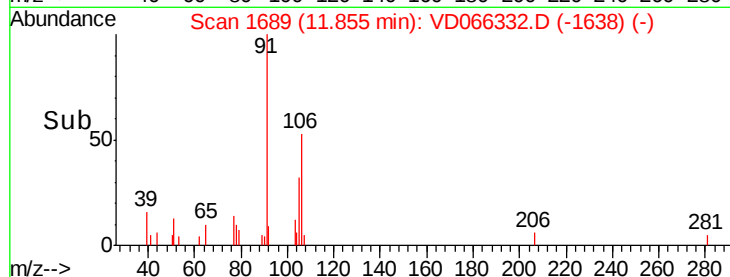
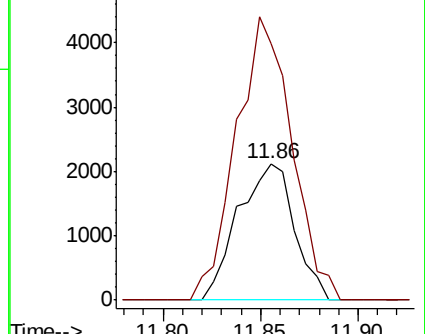
106 100

91 206.4 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VD066332.D

Acq: 19 Aug 2020 23:10

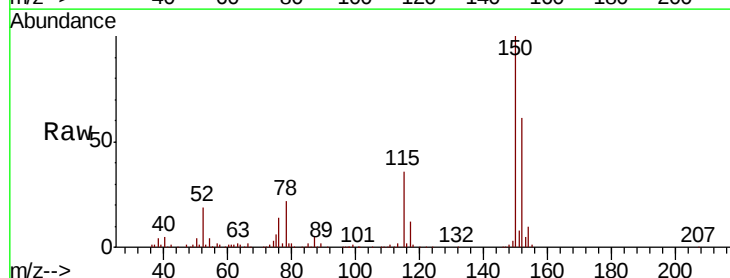
Tgt Ion:152 Resp: 145368

Ion Ratio Lower Upper

152 100

115 57.4 28.0 83.9

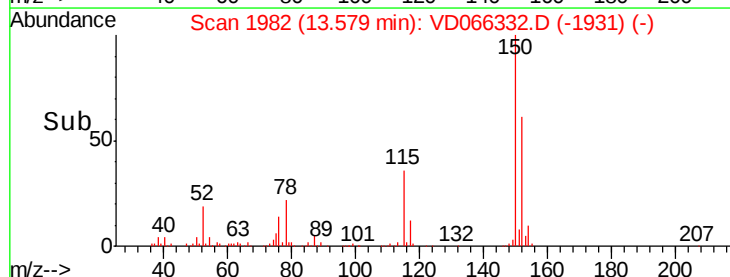
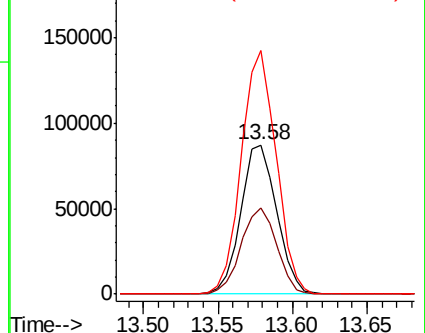
150 158.6 0.0 346.4

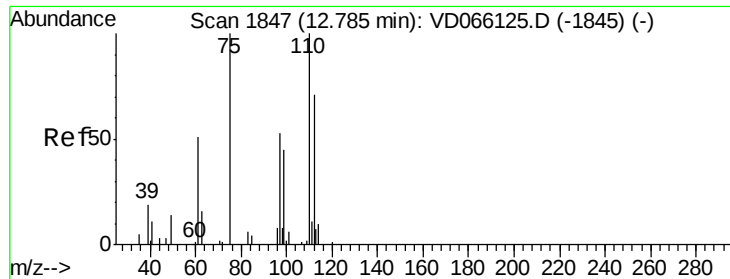


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.851 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

Instrument :

MSVOA_D

ClientSampleId :

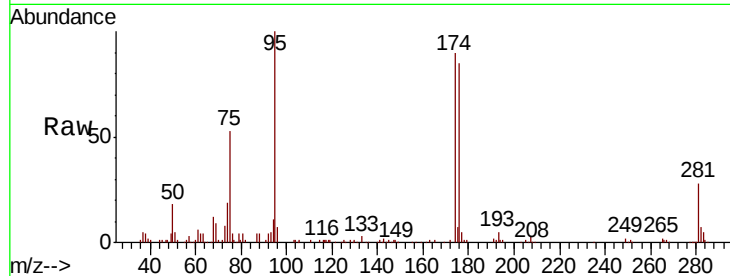
VD0819SBL02

Tot Ion: 75 Resp: 73768

Ion Ratio Lower Upper

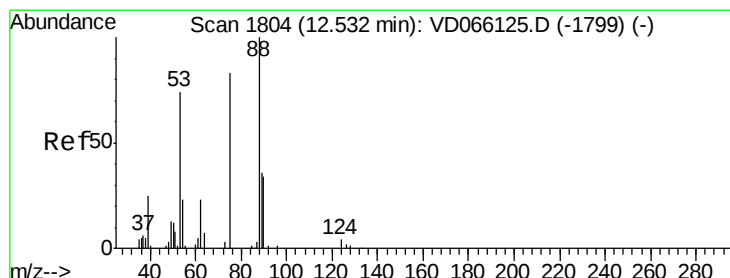
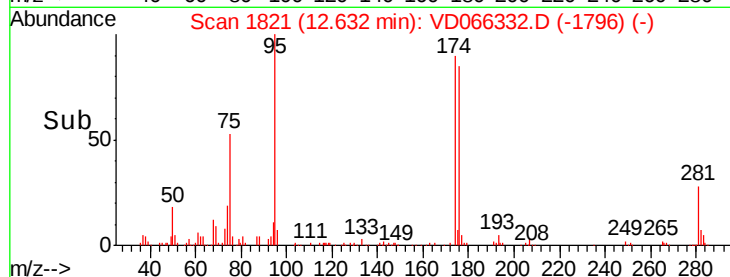
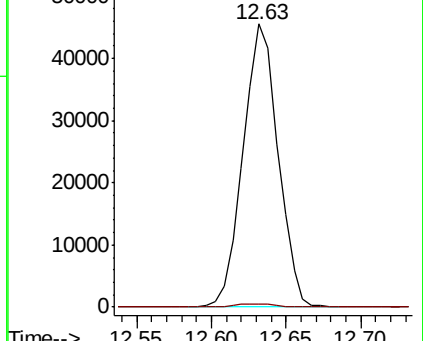
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 134.515 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066332.D

Acq: 19 Aug 2020 23:10

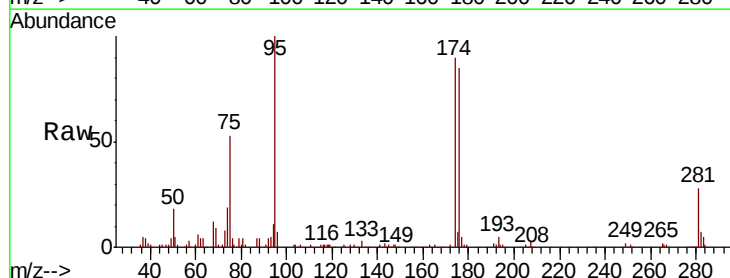
Tgt Ion: 75 Resp: 73768

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

