

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067429.D
 Acq On : 28 Oct 2020 13:04
 Operator : VA/SY
 Sample : VD1028SBL03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBL03

Quant Time: Oct 29 00:44:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	340576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	551226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	539593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	167617	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.92	113	176983	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	10.34	98	651651	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	232979	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

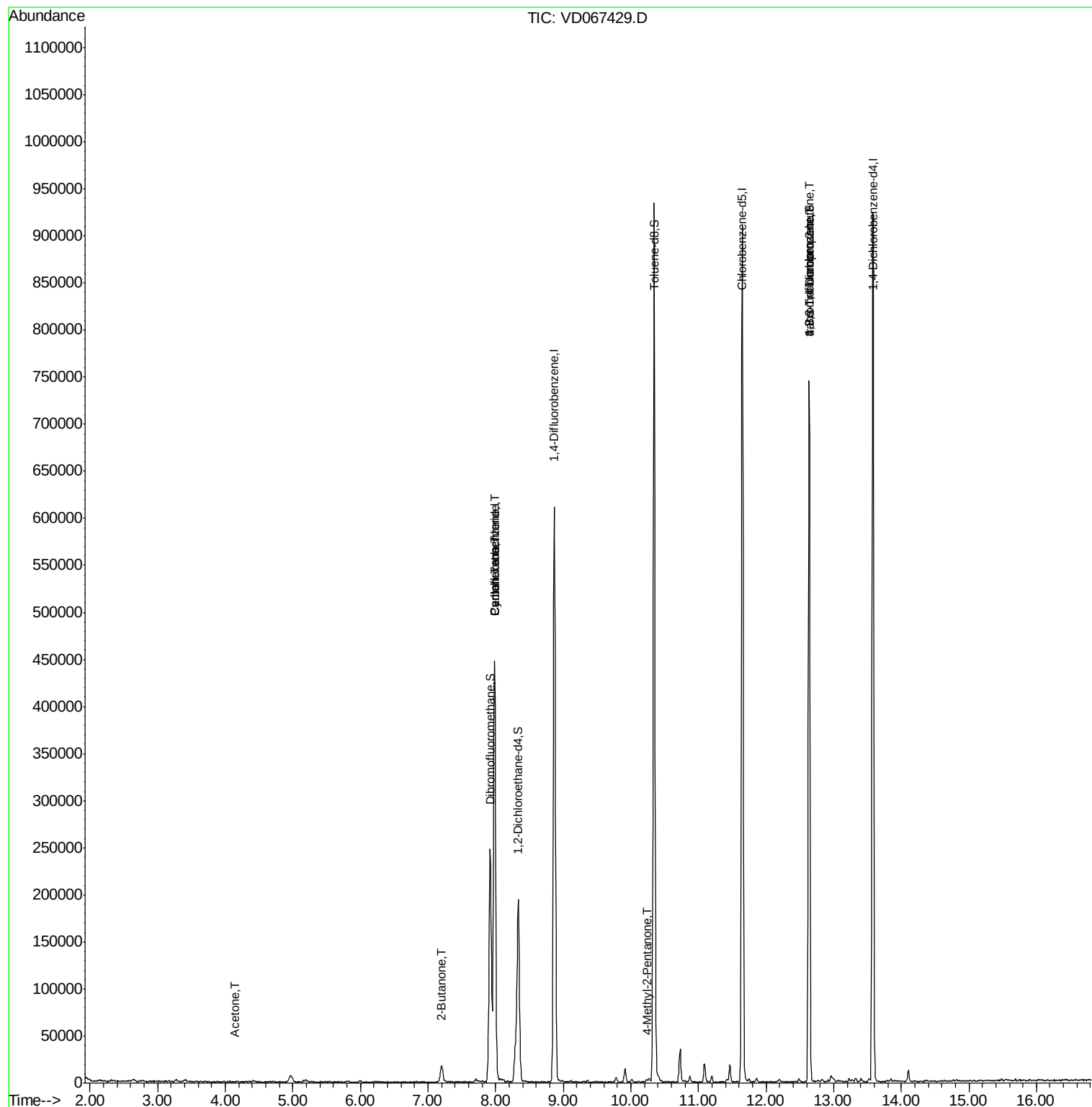
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	844	Below Cal		94
5) Bromomethane	2.79	94	508	Below Cal		83
11) Tert butyl alcohol	5.19	59	2100	Below Cal	#	81
16) Acetone	4.16	43	512	1.071	ug/l #	42
20) Methylene Chloride	4.97	84	5753	Below Cal	#	87
25) 2-Butanone	7.20	43	548	1.006	ug/l #	45
31) Cyclohexane	7.98	56	6820	1.735	ug/l #	1
38) Carbon Tetrachloride	7.98	117	35769	5.990	ug/l #	17
51) 4-Methyl-2-Pentanone	10.23	43	1697	1.247	ug/l #	85
76) 1,2,3-Trichloropropane	12.64	75	118438	64.159	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	118438	145.493	ug/l #	10

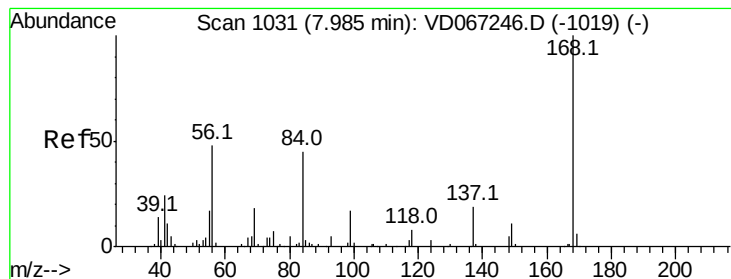
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 00:44:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

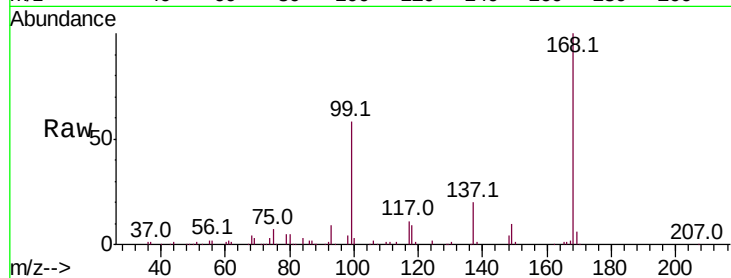
VD1028SBL03

Tot Ion:168 Resp: 340576

Ion Ratio Lower Upper

168 100

99 57.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

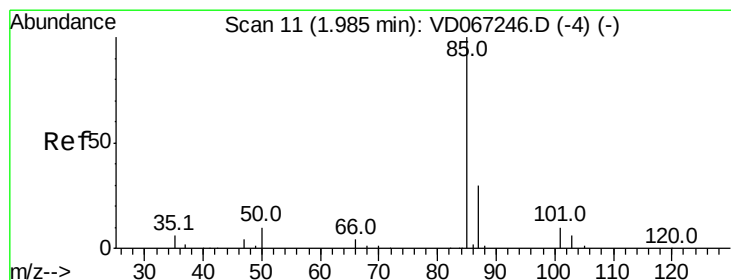
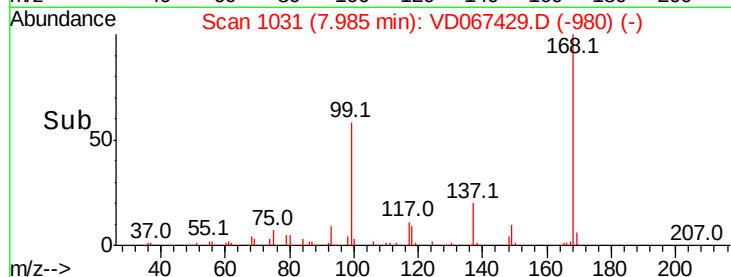
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067429.D

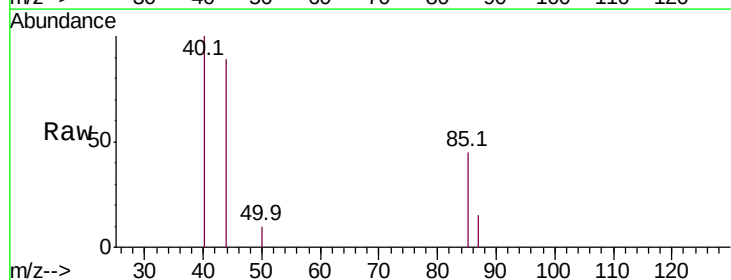
Acq: 28 Oct 2020 13:04

Tgt Ion: 85 Resp: 844

Ion Ratio Lower Upper

85 100

87 33.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

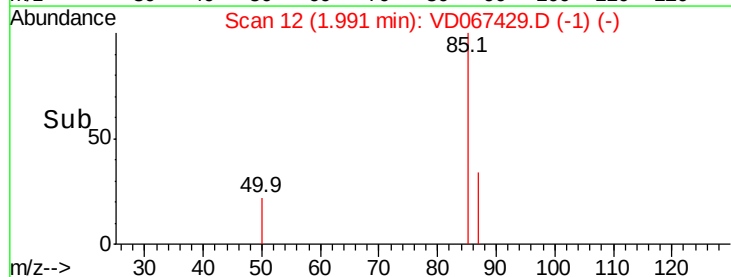
600

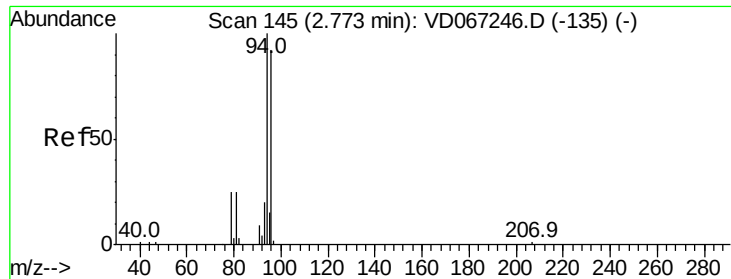
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

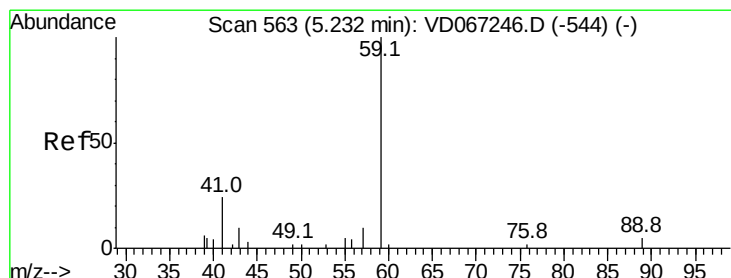
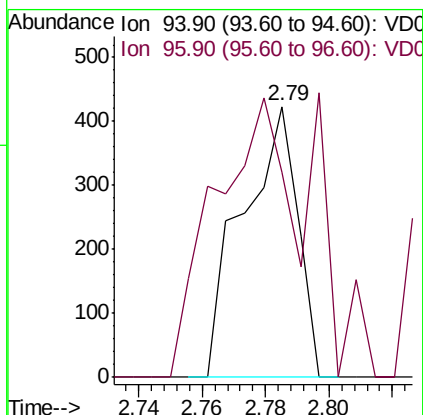
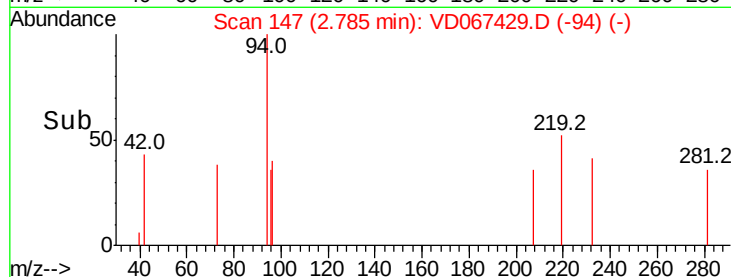
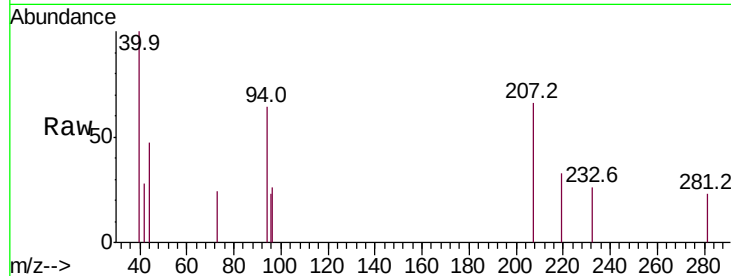
VD1028SBL03

Tot Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 75.9 73.8 110.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067429.D

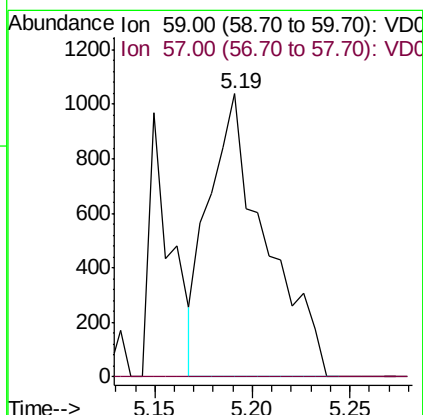
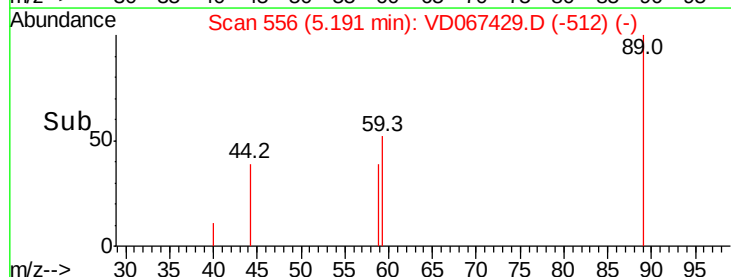
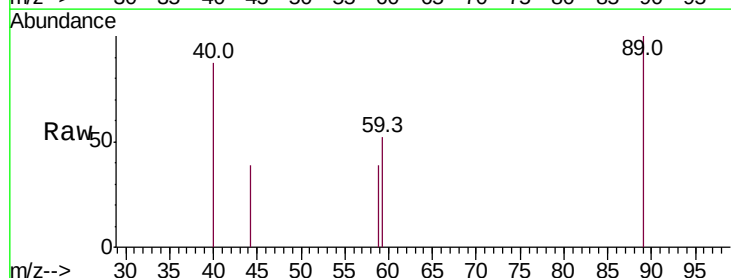
Acq: 28 Oct 2020 13:04

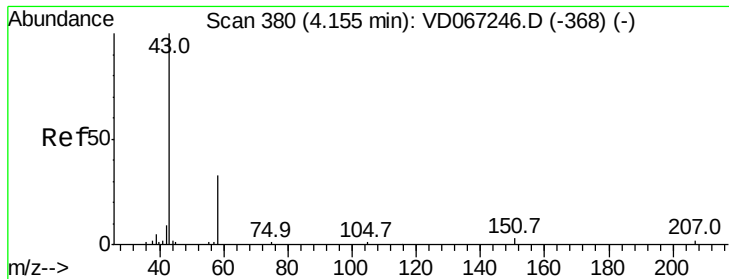
Tgt Ion: 59 Resp: 2100

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#





#16

Acetone

Concen: 1.071 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

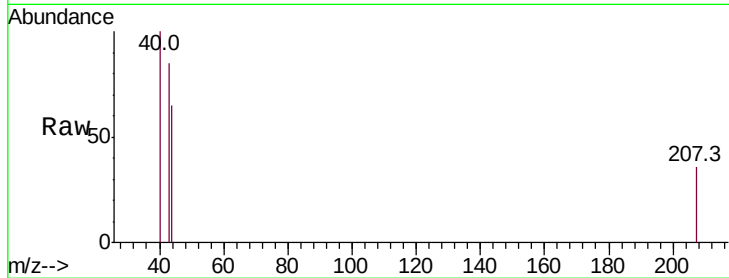
VD1028SBL03

Tot Ion: 43 Resp: 512

Ion Ratio Lower Upper

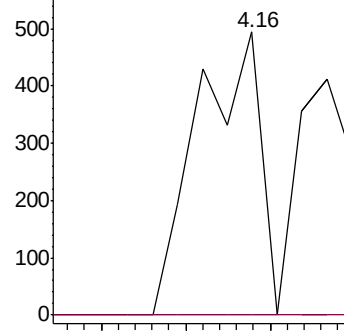
43 100

58 0.0 26.1 39.1#

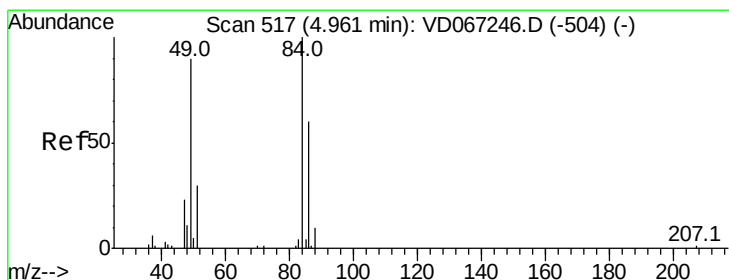
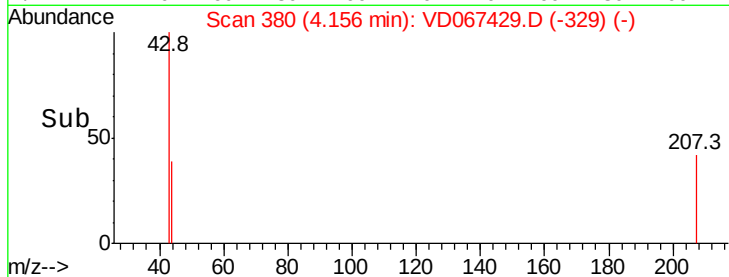


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Tgt Ion: 84 Resp: 5753

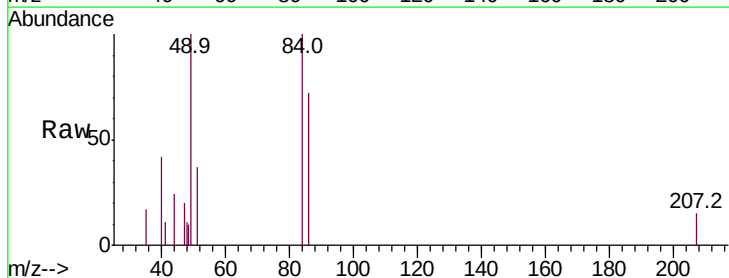
Ion Ratio Lower Upper

84 100

49 99.8 72.2 108.2

51 37.0 23.8 35.8#

86 72.1 48.2 72.4

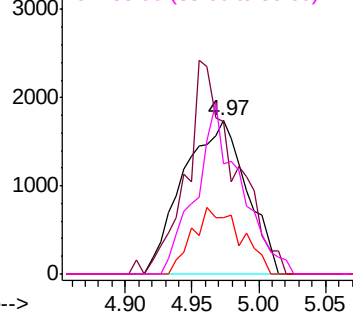


Abundance Ion 83.90 (83.60 to 84.60): VDC

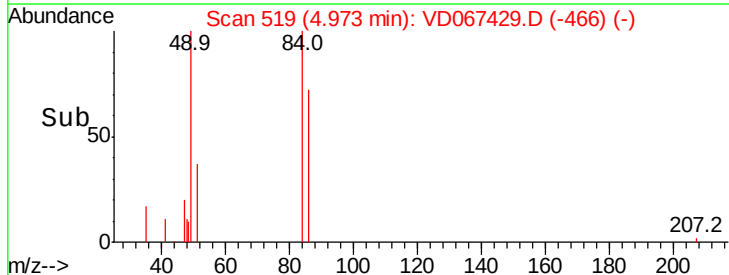
Ion 48.90 (48.60 to 49.60): VDC

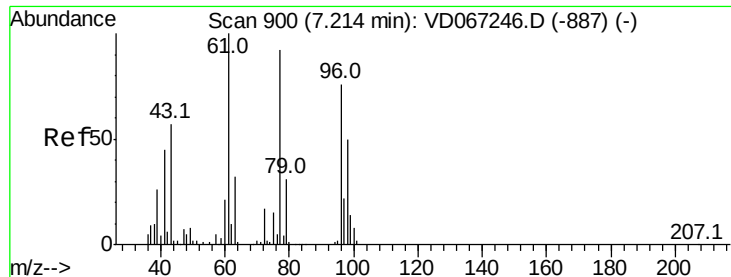
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 1.006 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

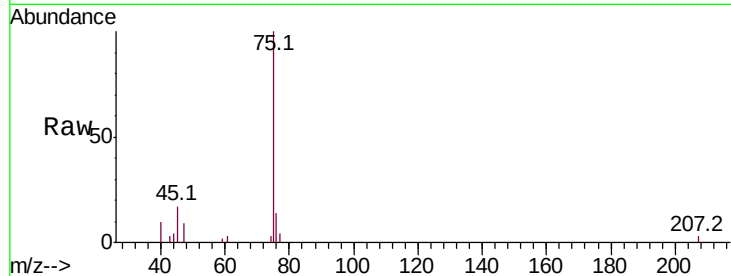
VD1028SBL03

Tot Ion: 43 Resp: 548

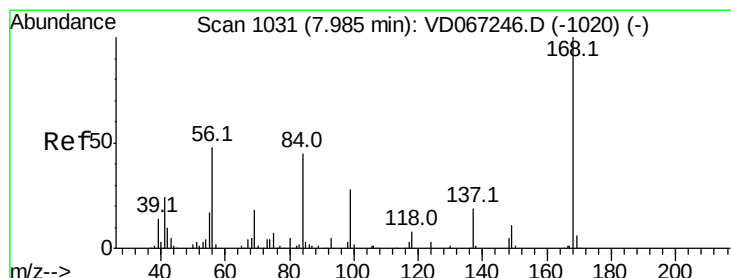
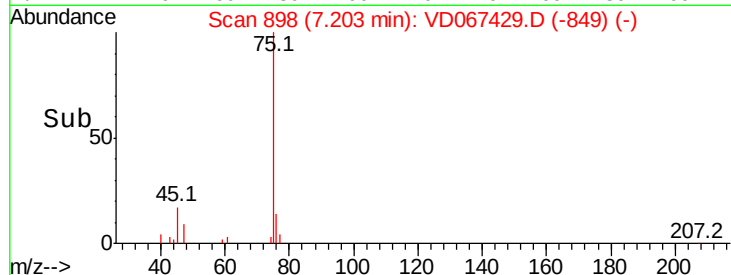
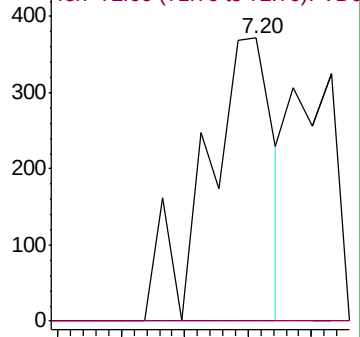
Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#31

Cyclohexane

Concen: 1.735 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

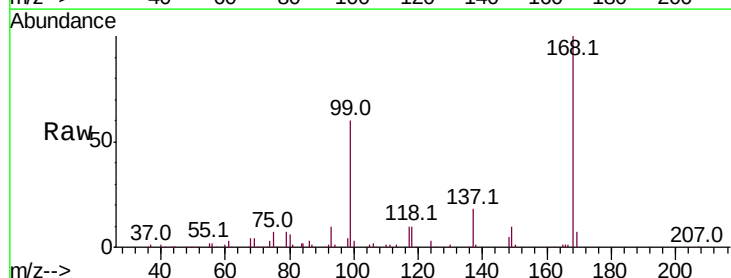
Tgt Ion: 56 Resp: 6820

Ion Ratio Lower Upper

56 100

69 178.4 29.8 44.6#

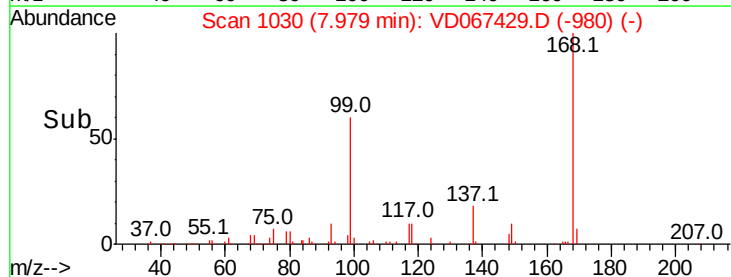
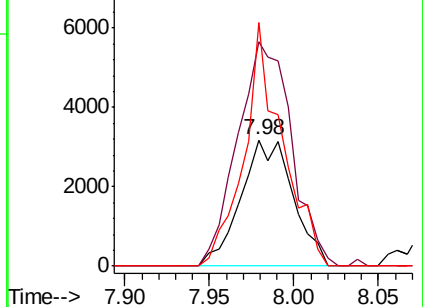
84 193.3 76.6 114.8#

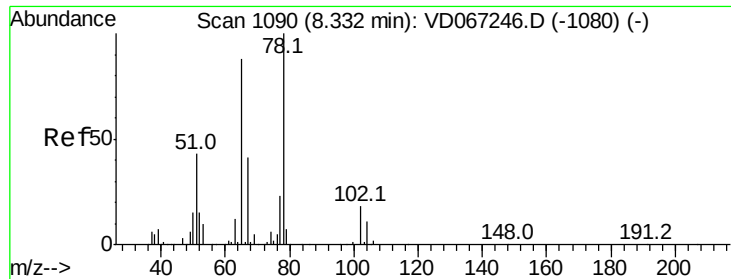


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

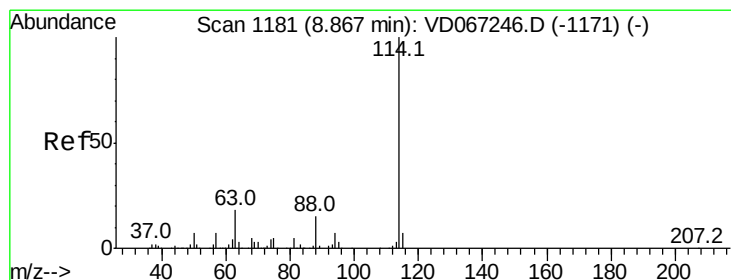
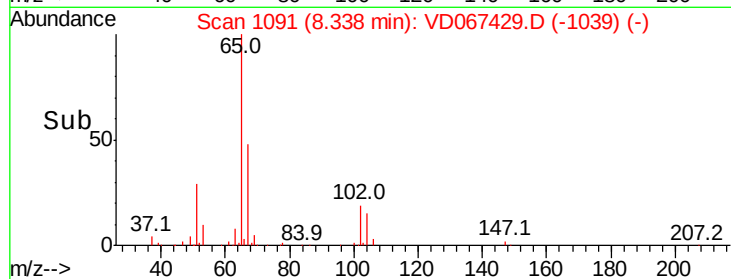
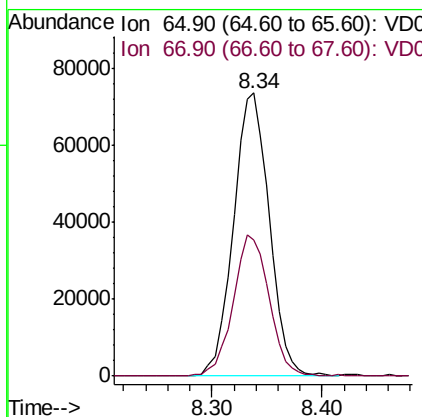
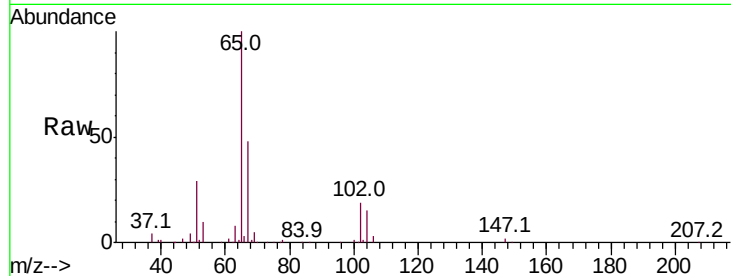




#33
 1,2-Dichloroethane-d4
 Concen: 49.125 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067429.D
 Acq: 28 Oct 2020 13:04

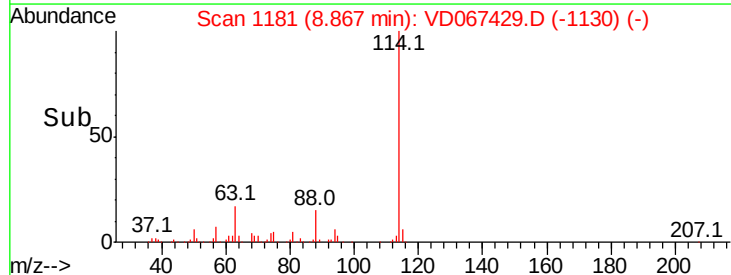
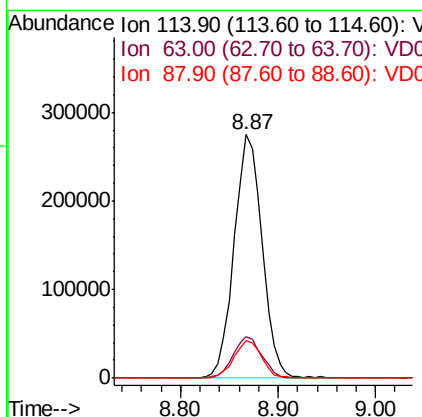
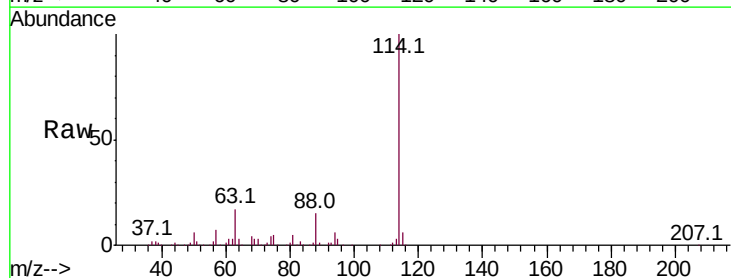
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBL03

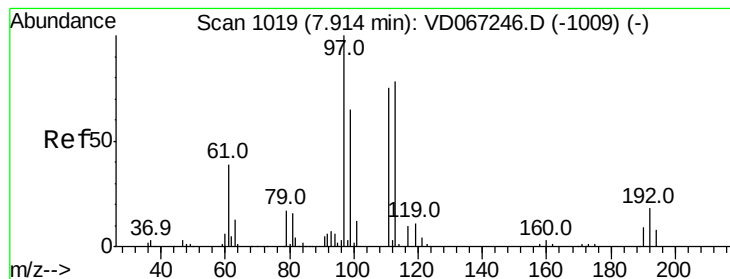
Tot Ion: 65 Resp: 167617
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067429.D
 Acq: 28 Oct 2020 13:04

Tgt Ion: 114 Resp: 551226
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.245 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBL03

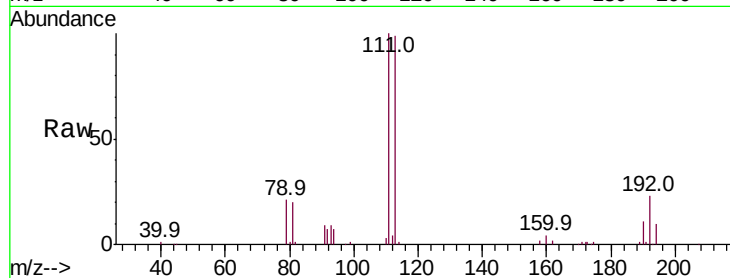
Tot Ion:113 Resp: 176983

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

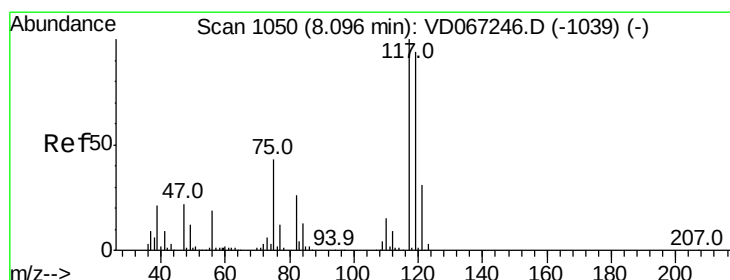
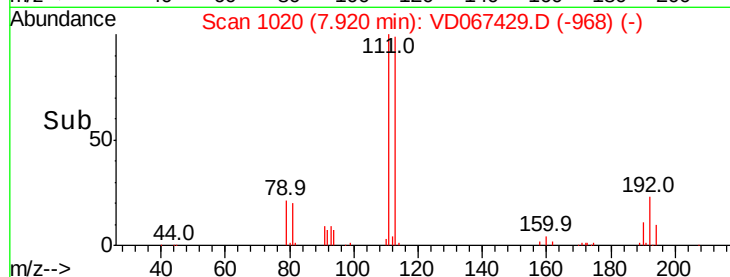
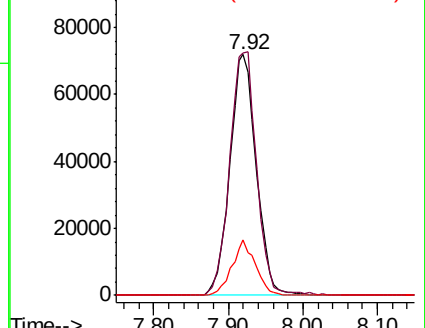
192 20.4 17.0 25.4



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



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

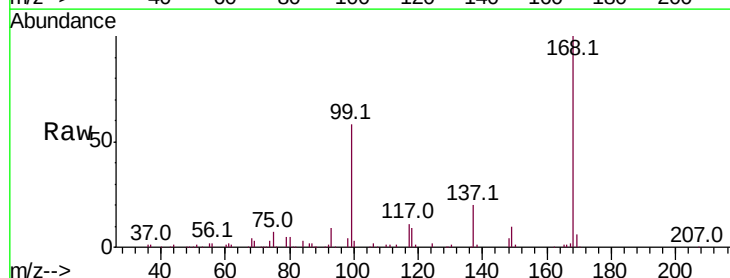
Tgt Ion:117 Resp: 35769

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.4#

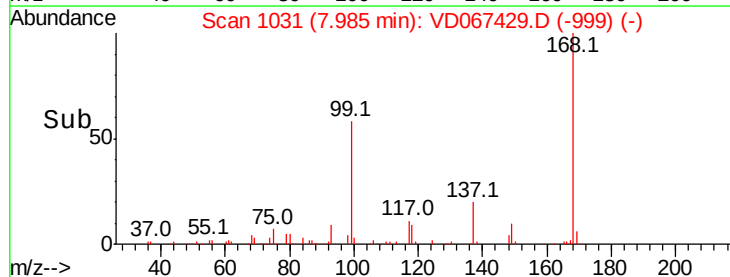
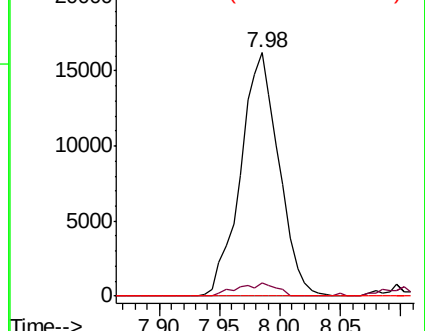
121 0.0 24.9 37.3#

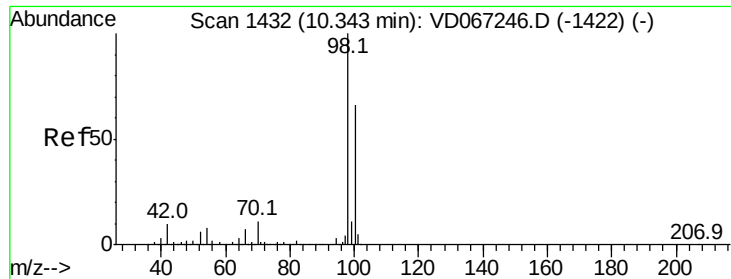


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

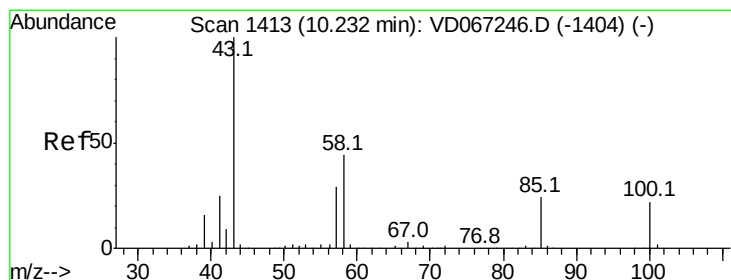
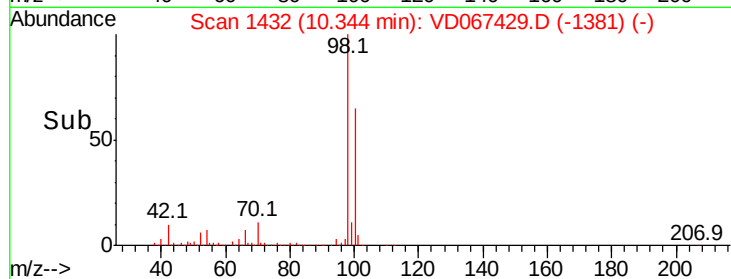
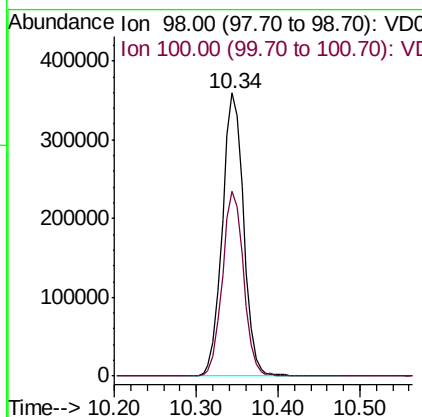
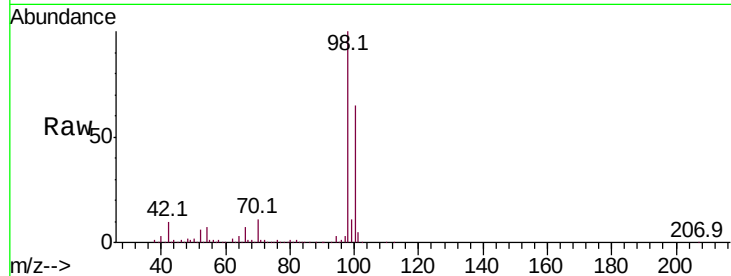




#50
Toluene-d8
Concen: 49.086 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067429.D
Acq: 28 Oct 2020 13:04

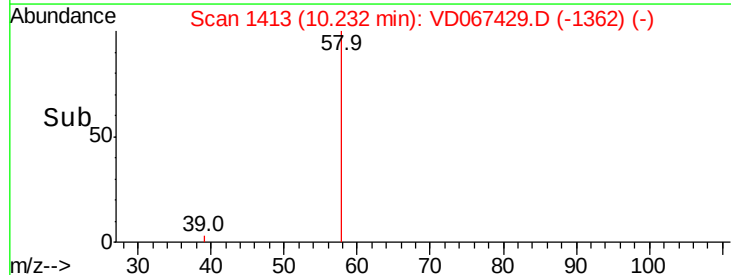
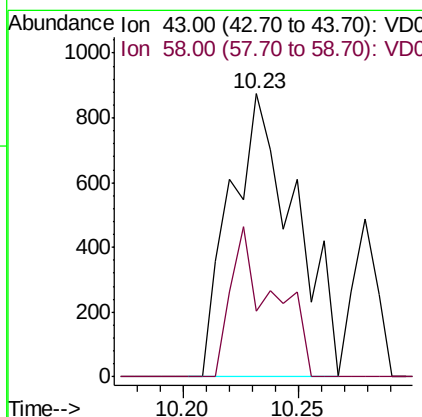
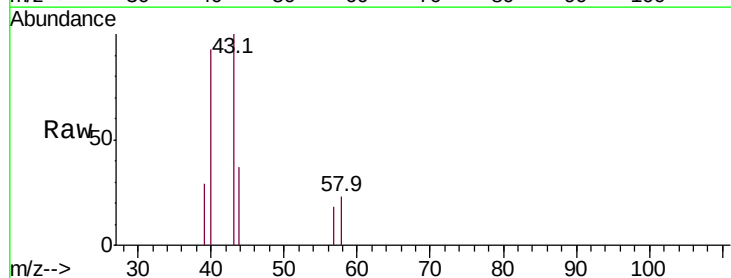
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBL03

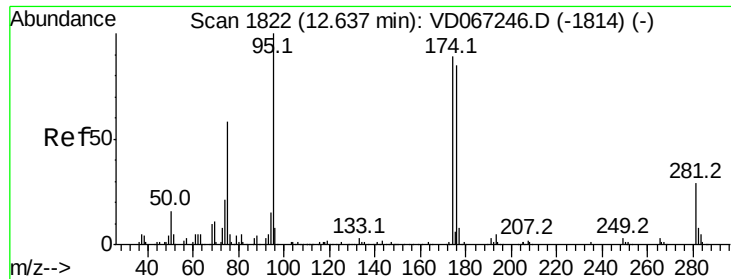
Tot Ion: 98 Resp: 651651
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.247 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067429.D
Acq: 28 Oct 2020 13:04

Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
58 35.1 35.7 53.5#

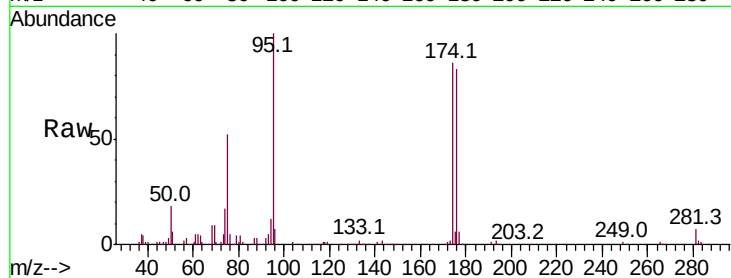




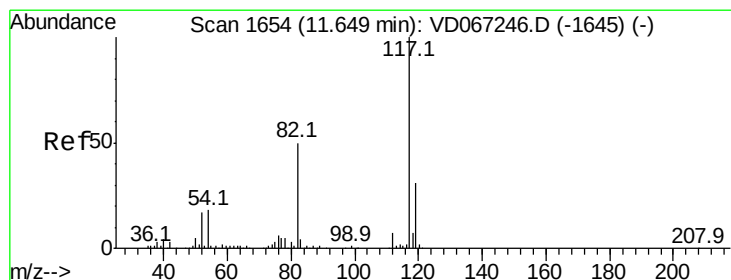
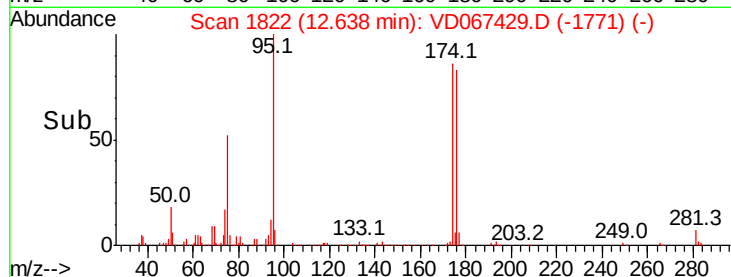
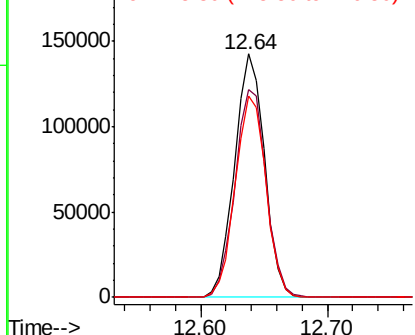
#62
4-Bromofluorobenzene
Concen: 50.469 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067429.D
Acq: 28 Oct 2020 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBL03

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	175.2
176	84.6	0.0	168.6

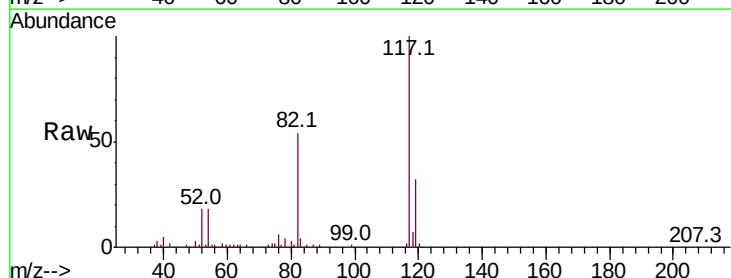


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

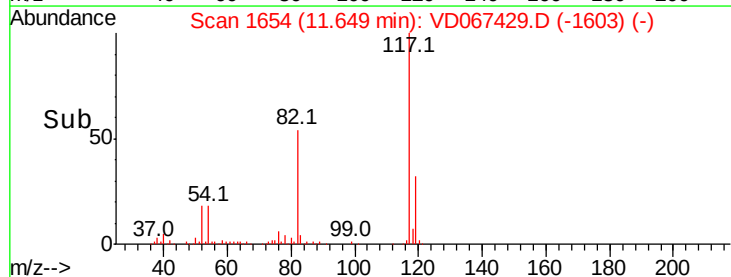
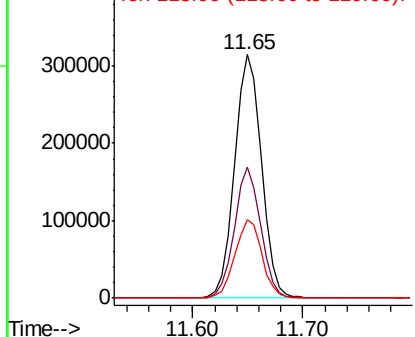


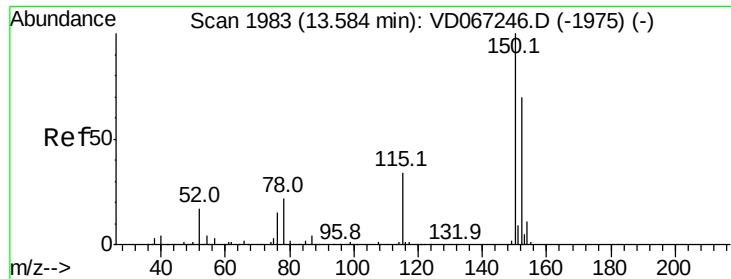
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067429.D
Acq: 28 Oct 2020 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	39.9	59.9
119	32.1	24.9	37.3



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# 1983

Delta R.T. 0.00 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBL03

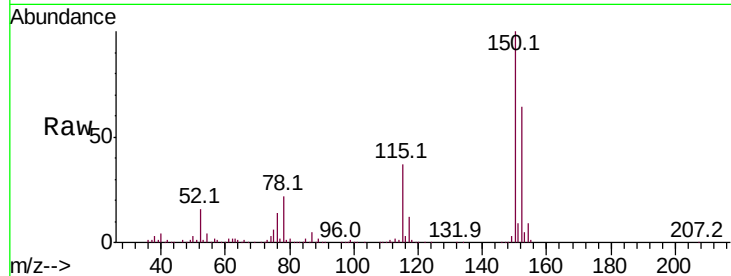
Tot Ion:152 Resp: 266344

Ion Ratio Lower Upper

152 100

115 58.3 29.3 87.9

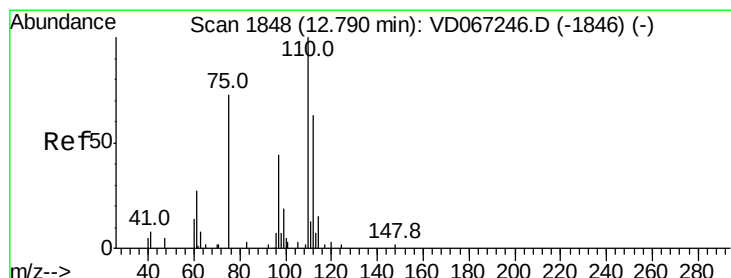
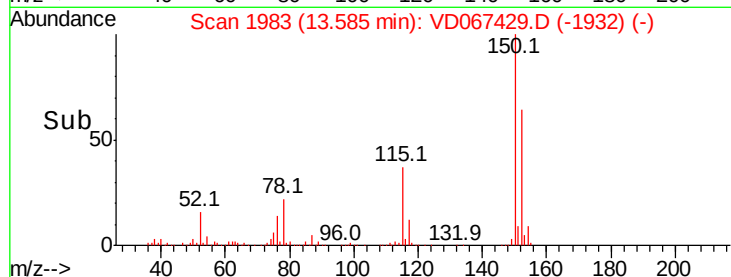
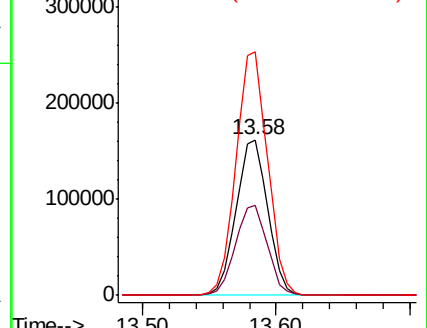
150 156.5 0.0 339.0



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: 64.159 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067429.D

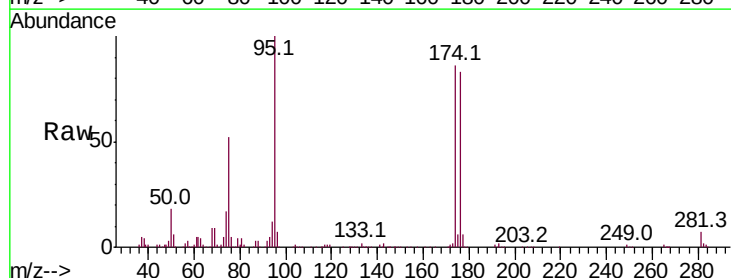
Acq: 28 Oct 2020 13:04

Tgt Ion: 75 Resp: 118438

Ion Ratio Lower Upper

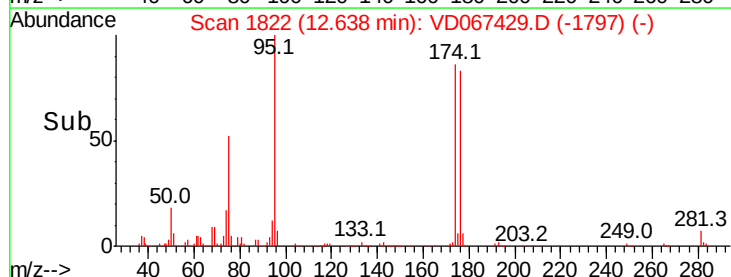
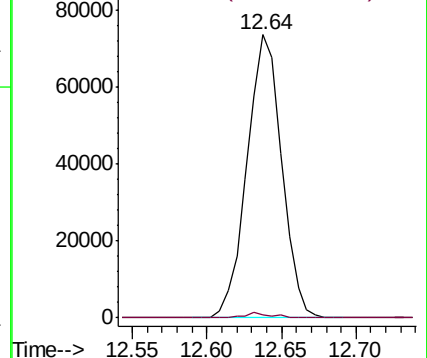
75 100

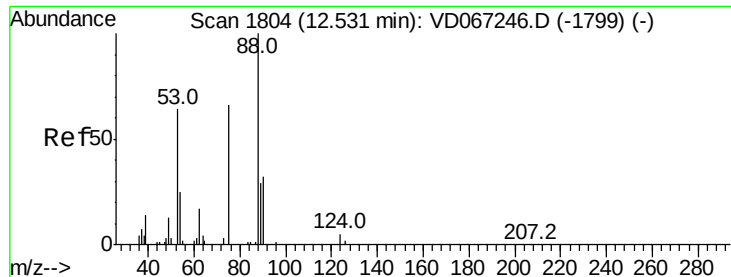
77 1.3 0.0 0.0#



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: 145.493 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067429.D

Acq: 28 Oct 2020 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBL03

Tot Ion: 75 Resp: 118438

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

