

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064431.D
 Acq On : 05 Dec 2019 12:43
 Operator : VA/SY
 Sample : K6162-01
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1

Quant Time: Dec 06 05:54:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	635591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1032489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	942129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	439692	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	280694	48.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.58%	
35) Dibromofluoromethane	7.92	113	314457	48.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.68%	
50) Toluene-d8	10.34	98	1243101	50.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.64	95	393387	49.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.90%	

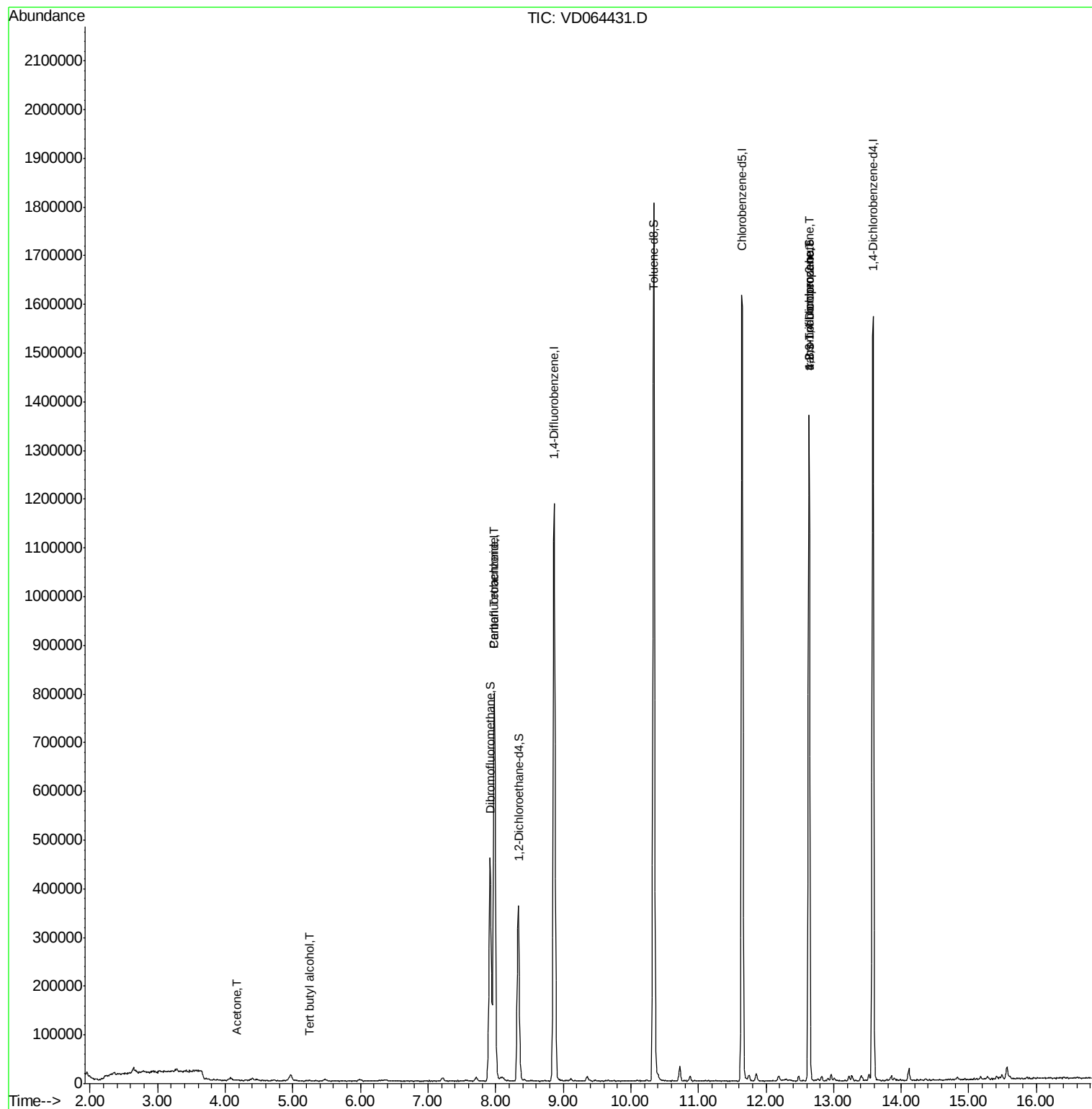
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	610	1.666	ug/l #	100
16) Acetone	4.17	43	3265	2.808	ug/l #	73
20) Methylene Chloride	4.97	84	9469	Below Cal	#	80
31) Cyclohexane	7.98	56	14617	Below Cal	#	6
38) Carbon Tetrachloride	7.98	117	57733	5.601	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	208914	57.777	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	208914	125.984	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	187	Below Cal	#	39

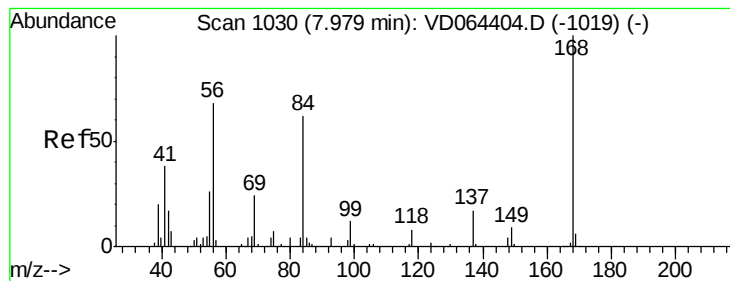
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
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: VD064431.D

Acq: 05 Dec 2019 12:43

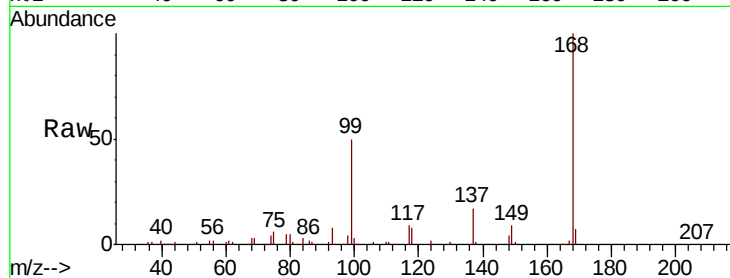
Instrument :
MSVOA_D
ClientSampleId :
TP1

Tot Ion:168 Resp: 635591

Ion Ratio Lower Upper

168 100

99 50.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

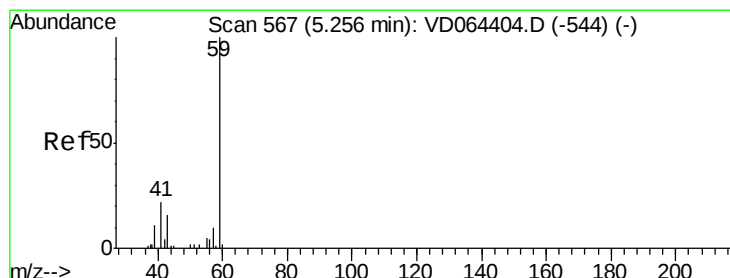
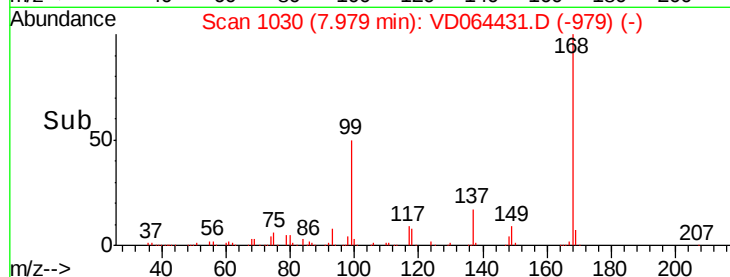
200000

100000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.666 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064431.D

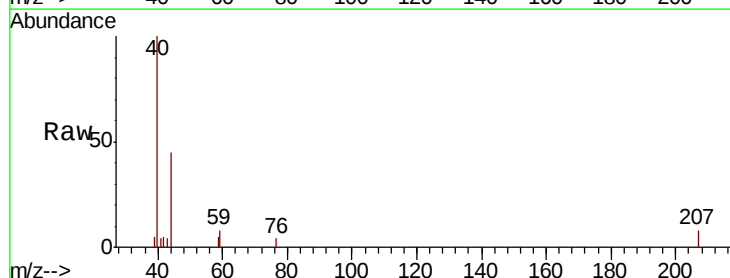
Acq: 05 Dec 2019 12:43

Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

500

400

300

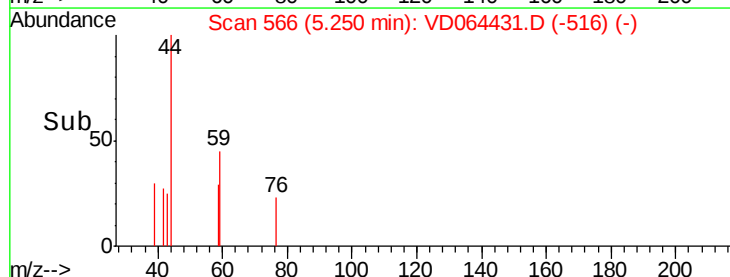
200

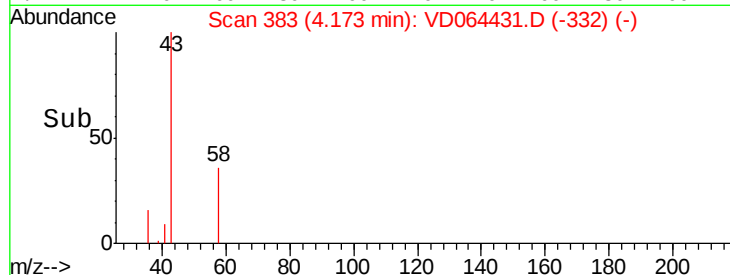
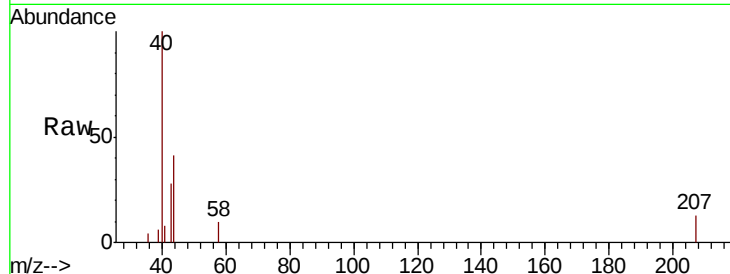
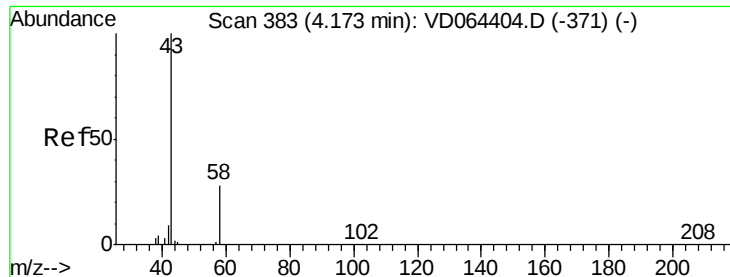
100

0

Time-->

5.22 5.24 5.26 5.28





#16

Acetone

Concen: 2.808 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

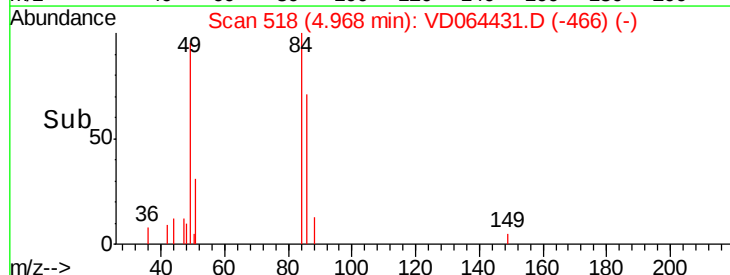
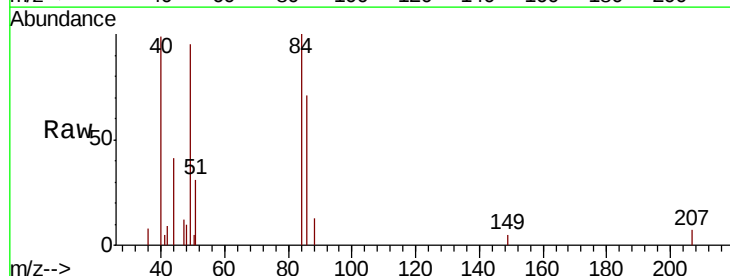
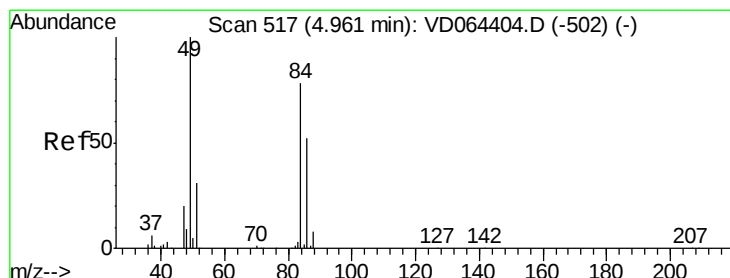
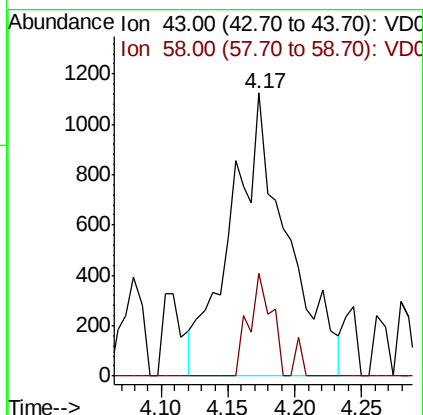
TP1

Tot Ion: 43 Resp: 3265

Ion Ratio Lower Upper

43 100

58 42.4 22.6 33.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Tgt Ion: 84 Resp: 9469

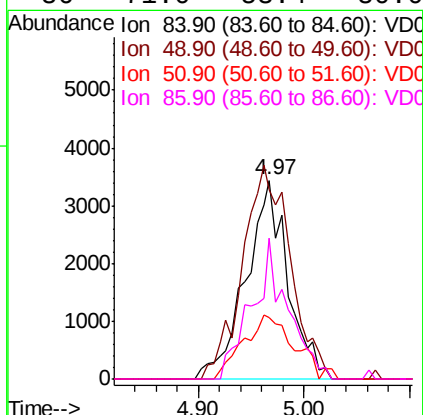
Ion Ratio Lower Upper

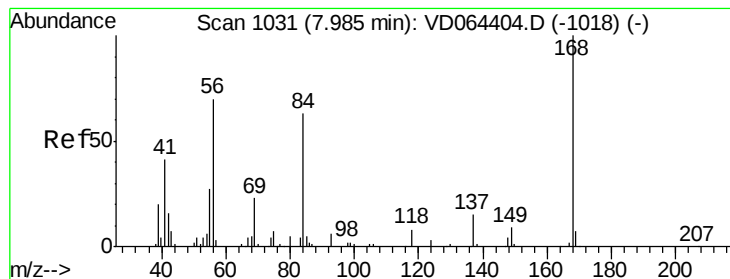
84 100

49 95.4 102.6 153.8#

51 31.0 32.0 48.0#

86 71.0 53.4 80.0





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampled :

TP1

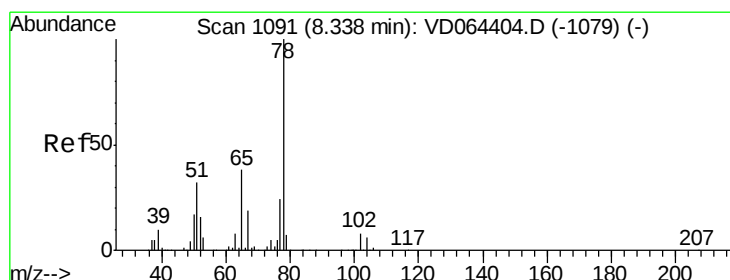
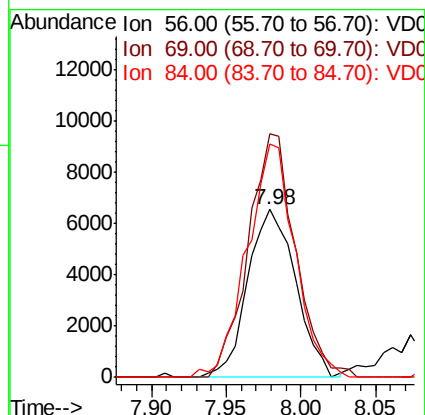
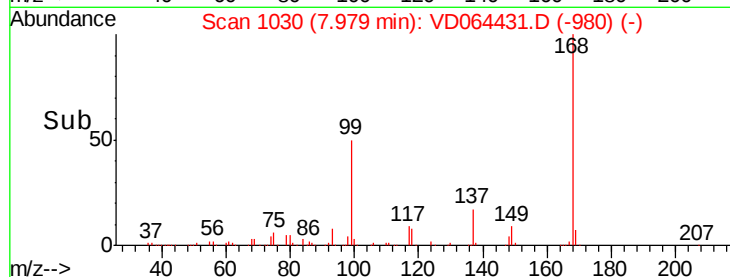
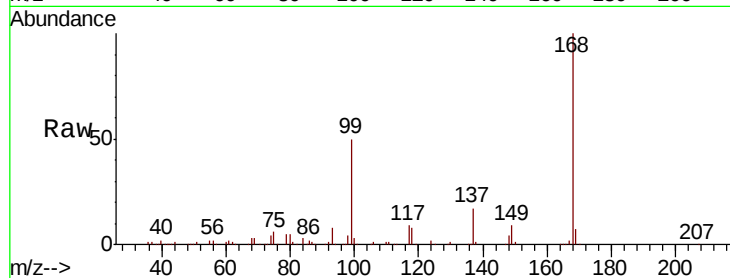
Tot Ion: 56 Resp: 14617

Ion Ratio Lower Upper

56 100

69 144.9 26.2 39.4#

84 139.1 70.3 105.5#



#33

1,2-Dichloroethane-d4

Concen: 48.791 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064431.D

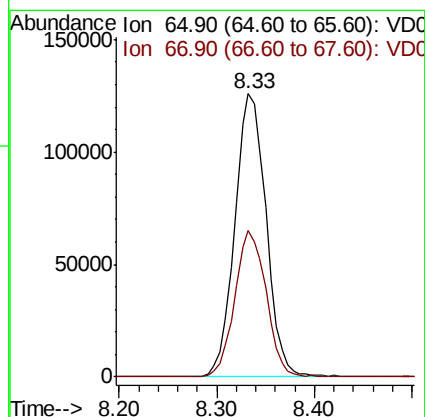
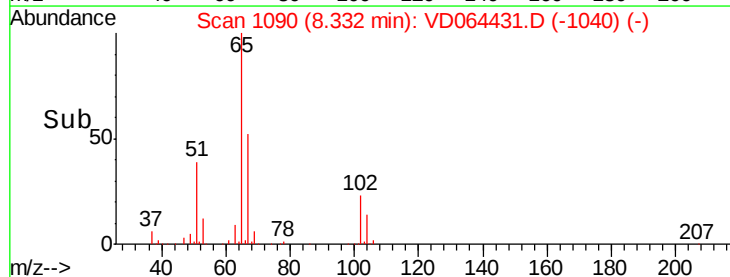
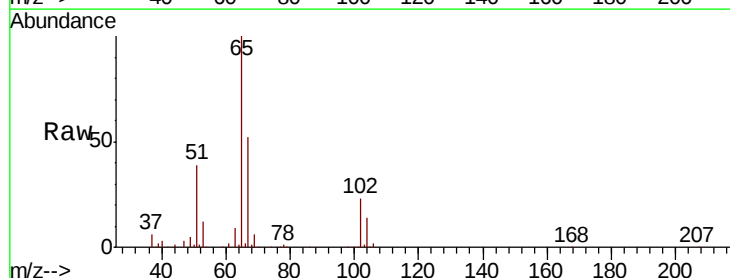
Acq: 05 Dec 2019 12:43

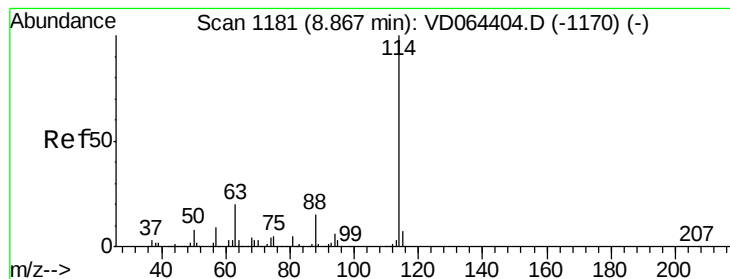
Tgt Ion: 65 Resp: 280694

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

TP1

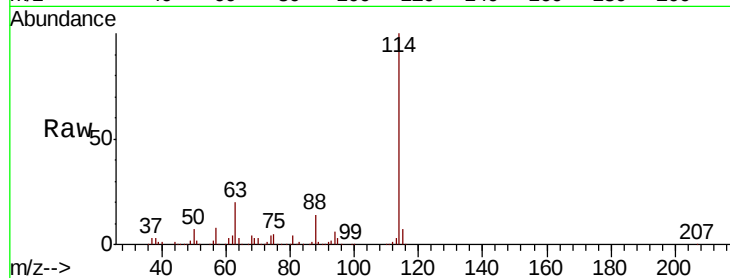
Tot Ion:114 Resp: 1032489

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

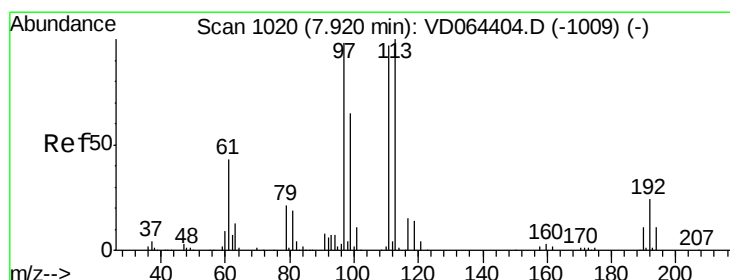
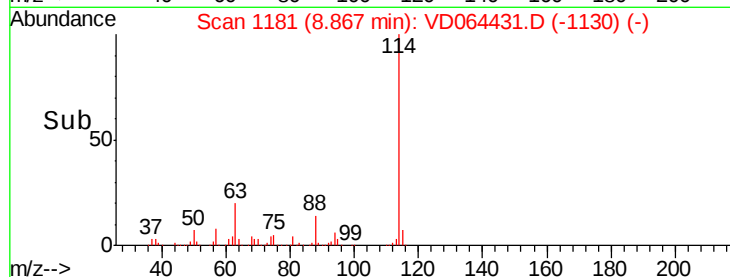
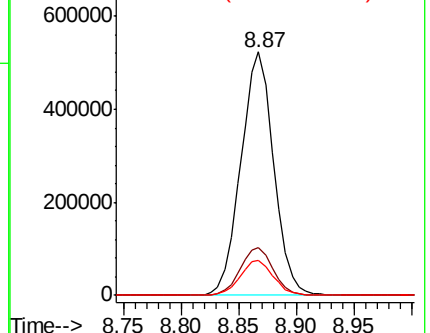
88 14.2 0.0 29.2



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: 48.339 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

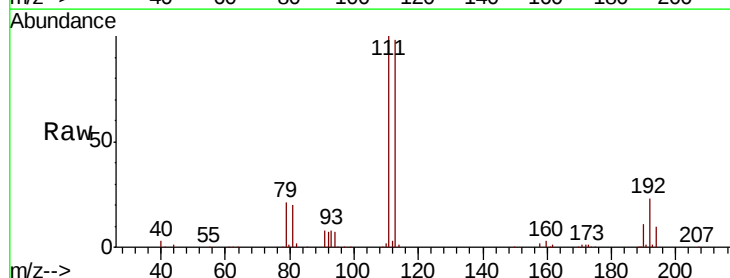
Tgt Ion:113 Resp: 314457

Ion Ratio Lower Upper

113 100

111 103.0 79.4 119.2

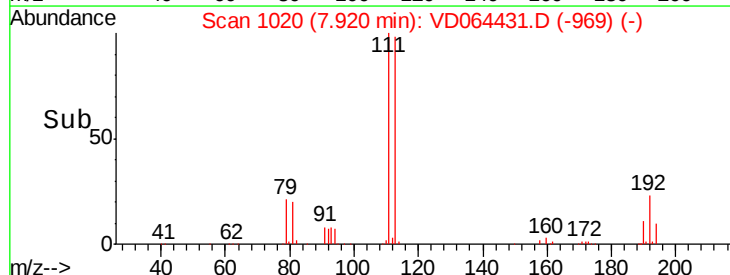
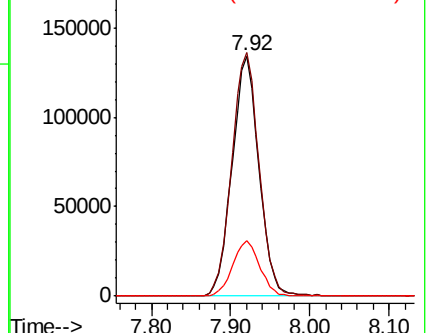
192 23.1 18.6 28.0

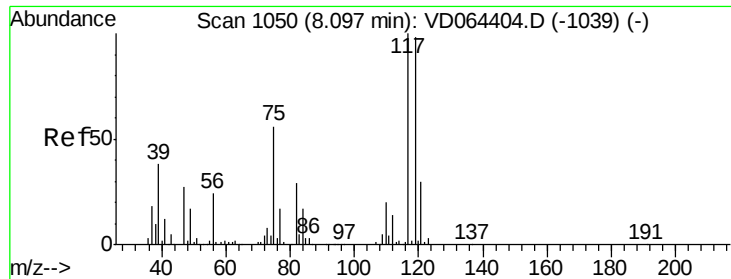


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

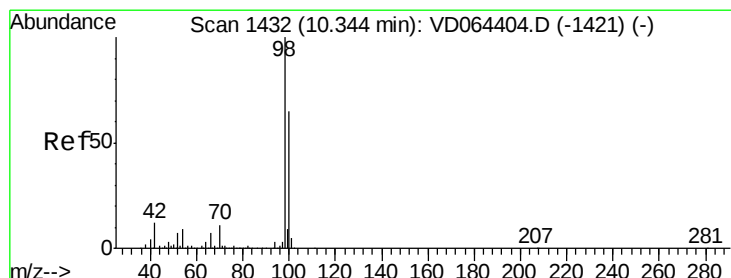
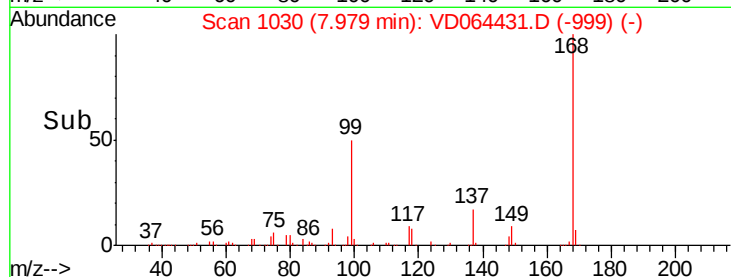
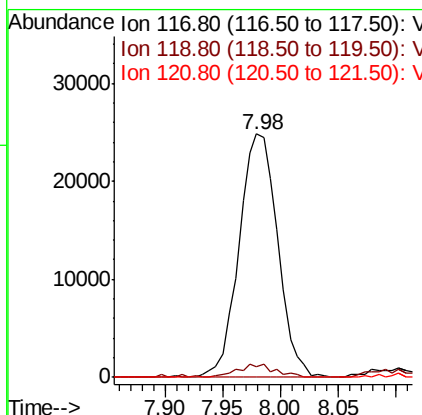
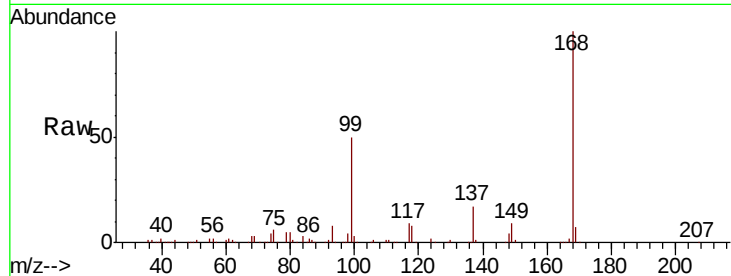




#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064431.D
Acq: 05 Dec 2019 12:43

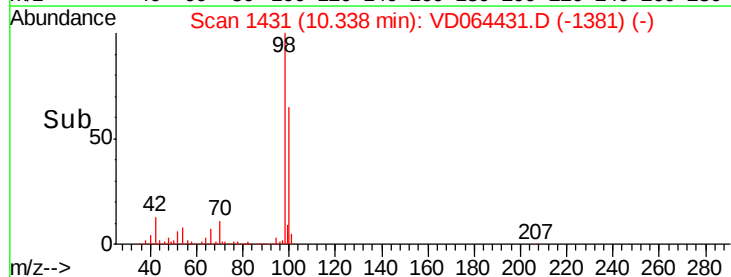
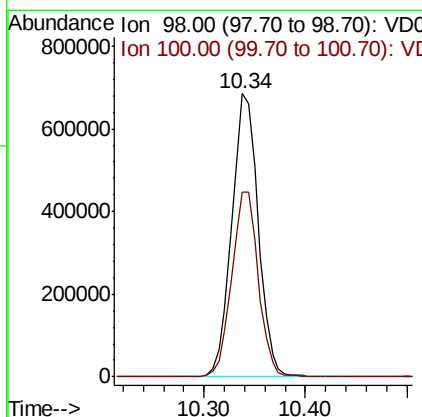
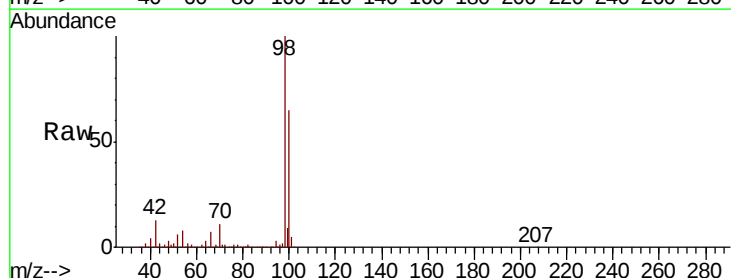
Instrument :
MSVOA_D
ClientSampleId :
TP1

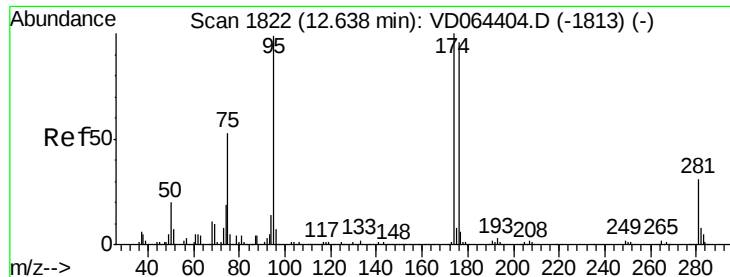
Tot Ion:117 Resp: 57733
Ion Ratio Lower Upper
117 100
119 4.2 78.8 118.2#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.730 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064431.D
Acq: 05 Dec 2019 12:43

Tgt Ion: 98 Resp: 1243101
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0

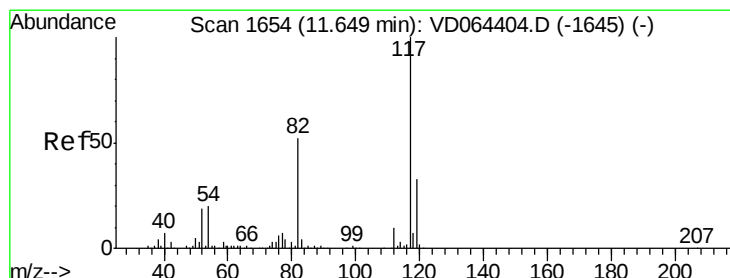
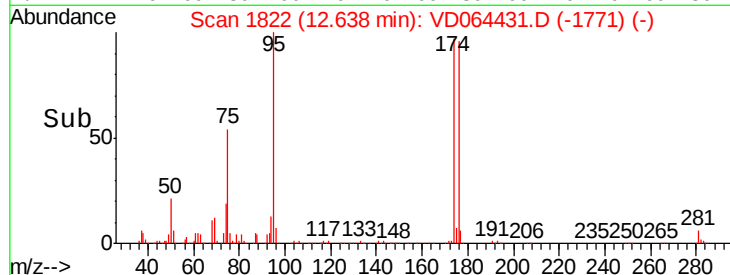
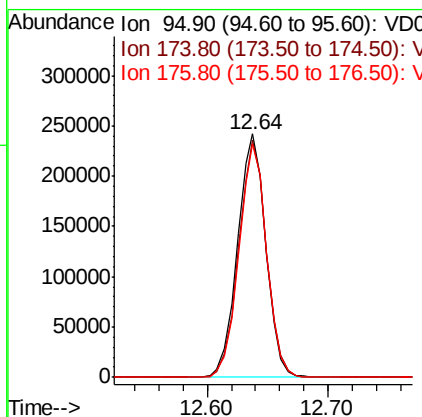
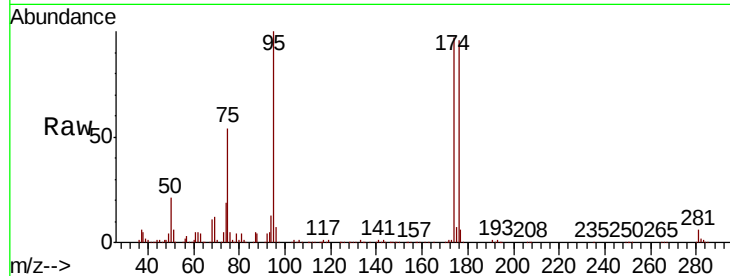




#62
4-Bromofluorobenzene
Concen: 49.954 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064431.D
Acq: 05 Dec 2019 12:43

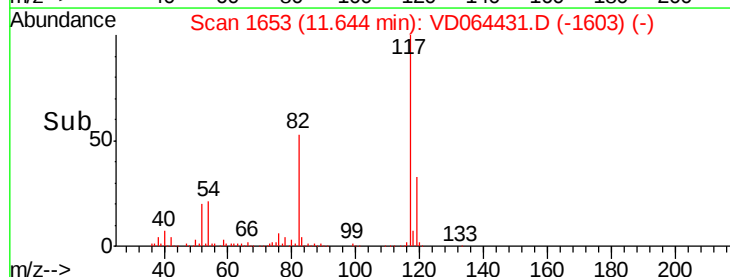
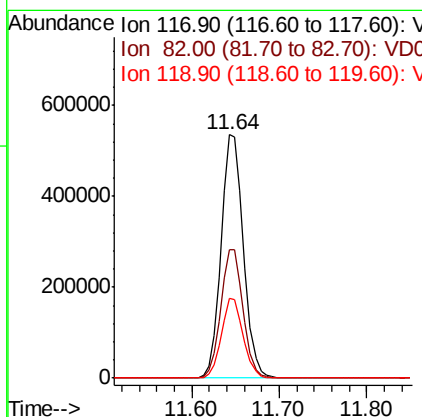
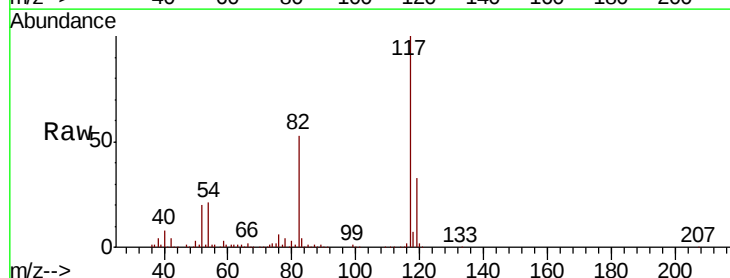
Instrument :
MSVOA_D
ClientSampleId :
TP1

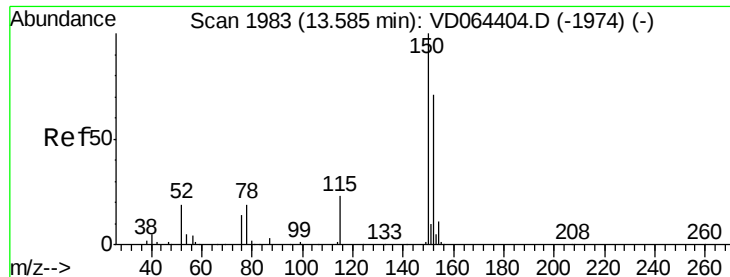
Tot Ion: 95 Resp: 393387
Ion Ratio Lower Upper
95 100
174 95.7 0.0 197.2
176 94.1 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064431.D
Acq: 05 Dec 2019 12:43

Tgt Ion: 117 Resp: 942129
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.2
119 32.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

TP1

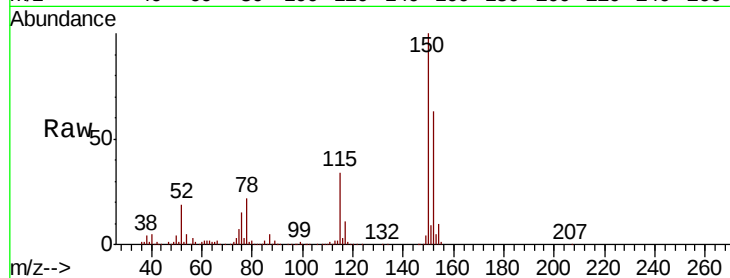
Tot Ion:152 Resp: 439692

Ion Ratio Lower Upper

152 100

115 54.7 26.7 80.1

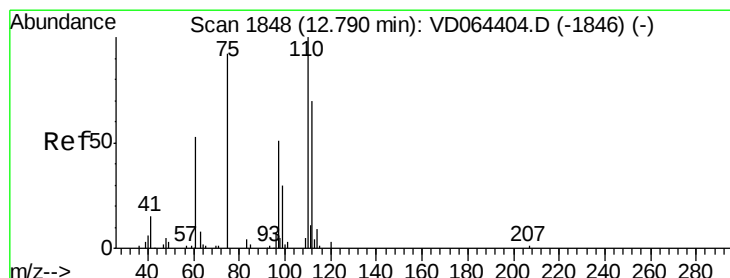
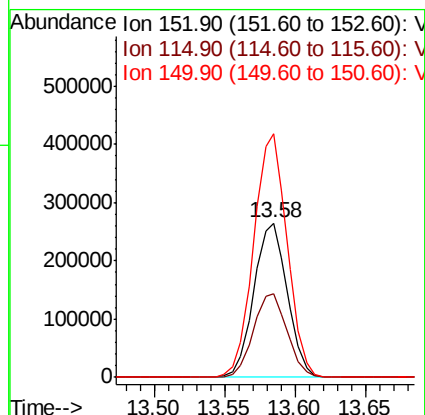
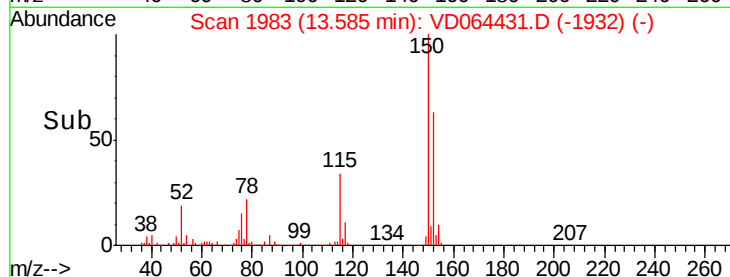
150 158.1 0.0 347.2



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: 57.777 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064431.D

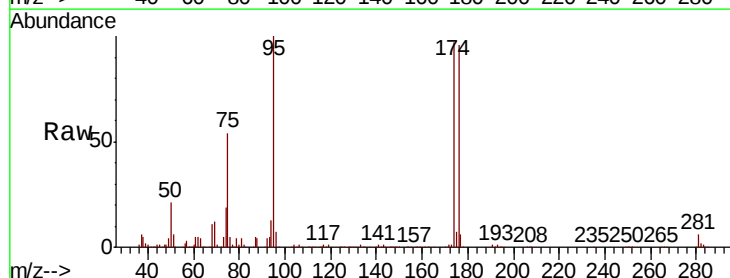
Acq: 05 Dec 2019 12:43

Tgt Ion: 75 Resp: 208914

Ion Ratio Lower Upper

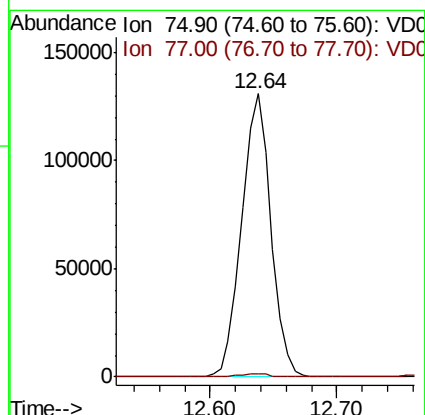
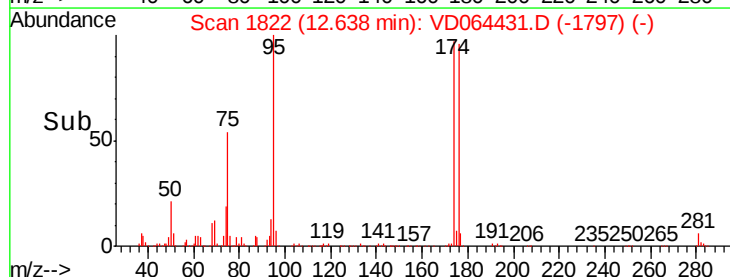
75 100

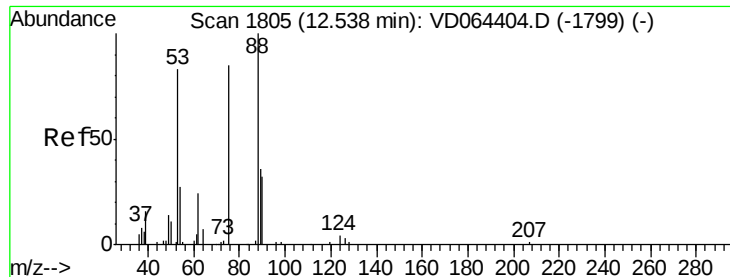
77 1.3 0.0 0.0#



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: 125.984 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

TP1

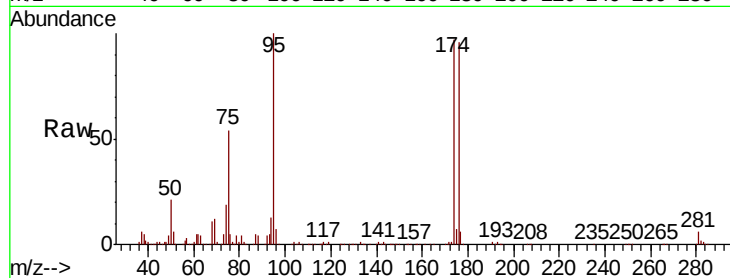
Tot Ion: 75 Resp: 208914

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

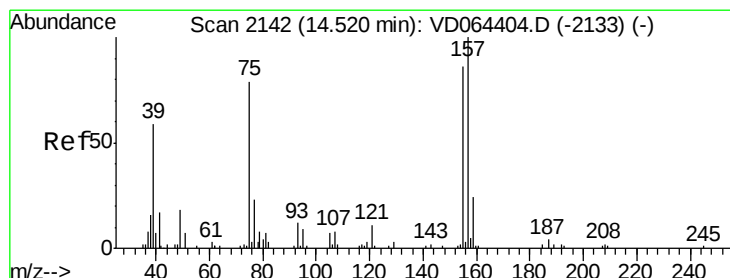
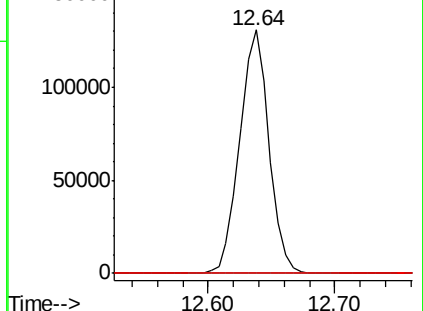
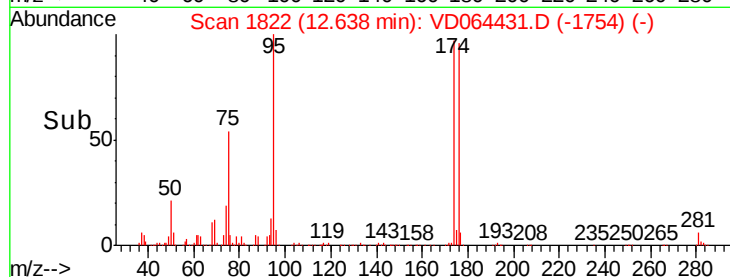
89 0.0 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2139

Delta R.T. -0.02 min

Lab File: VD064431.D

Acq: 05 Dec 2019 12:43

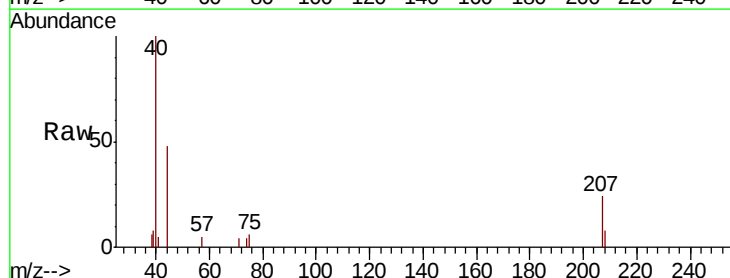
Tgt Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 36.9 51.9 155.7#

157 60.4 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

