

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066242.D
 Acq On : 14 Aug 2020 17:49
 Operator : VA/SY
 Sample : L3679-12
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815

Quant Time: Aug 17 08:46:57 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	7.97	168	320474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	494255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328330	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	126725	44.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.64%	
35) Dibromofluoromethane	7.91	113	147077	46.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.94%	
50) Toluene-d8	10.33	98	609454	52.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.63	95	296394	71.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	142.32%	

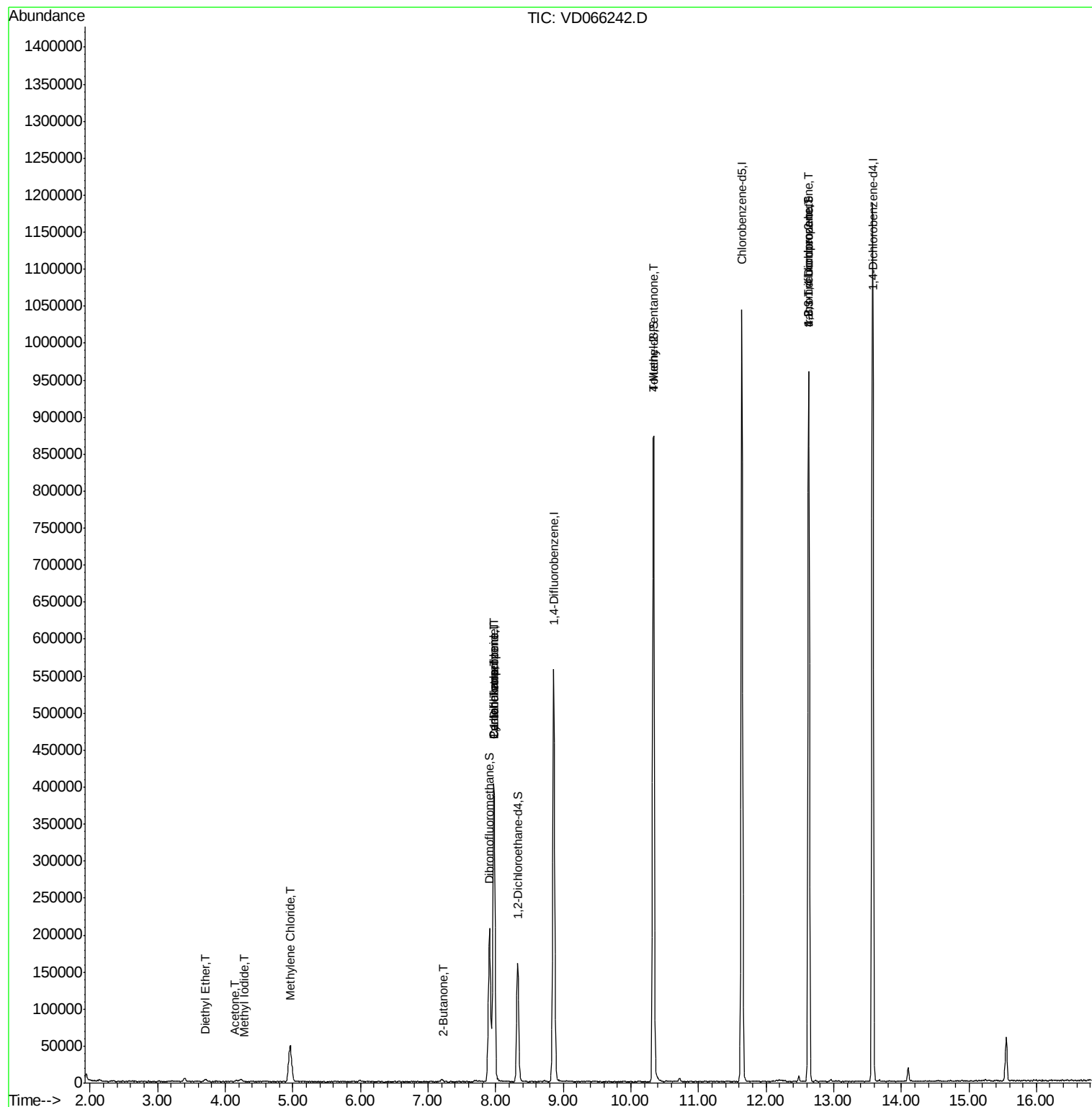
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1699	1.188	ug/l	100
10) Methyl Iodide	4.29	142	66	6.732	ug/l #	39
11) Tert butyl alcohol	5.24	59	55	Below Cal	#	76
16) Acetone	4.15	43	3975	7.327	ug/l #	88
20) Methylene Chloride	4.96	84	38836	8.603	ug/l	90
25) 2-Butanone	7.22	43	895	1.122	ug/l #	47
31) Cyclohexane	7.97	56	6327	1.263	ug/l #	34
36) 1,1-Dichloropropene	7.97	75	21657	4.663	ug/l #	51
38) Carbon Tetrachloride	7.97	117	30646	5.917	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2903	1.559	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	152290	55.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152290	122.951	ug/l #	13

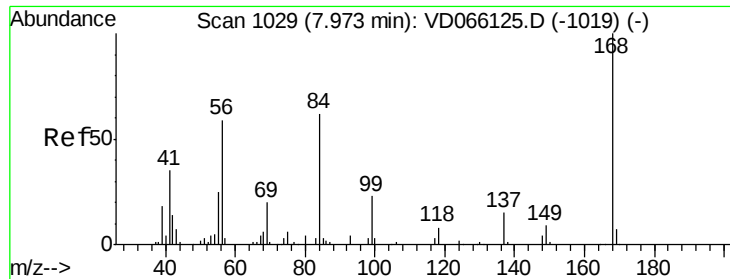
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
Data File : VD066242.D
Acq On : 14 Aug 2020 17:49
Operator : VA/SY
Sample : L3679-12
Misc : 7.76G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0815

Quant Time: Aug 17 08:46:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

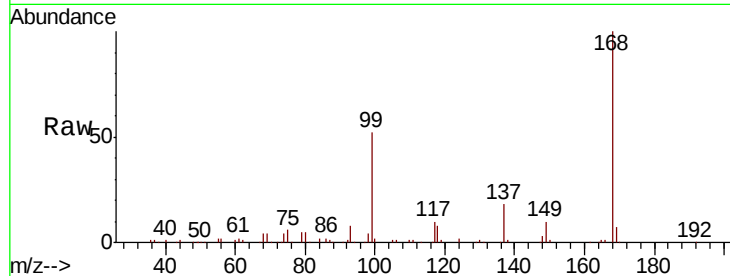
VD0815

Tot Ion:168 Resp: 320474

Ion Ratio Lower Upper

168 100

99 52.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

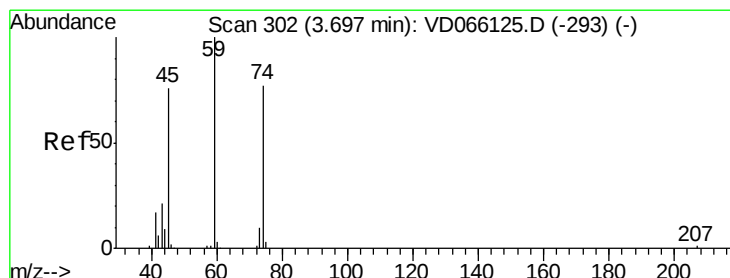
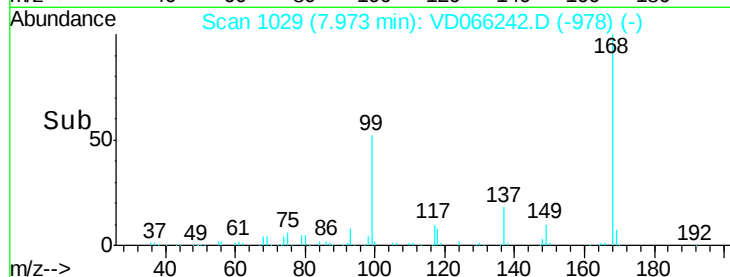
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.188 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066242.D

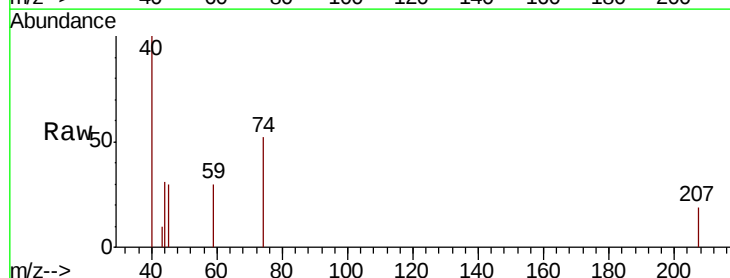
Acq: 14 Aug 2020 17:49

Tgt Ion: 74 Resp: 1699

Ion Ratio Lower Upper

74 100

45 96.5 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

1000

800

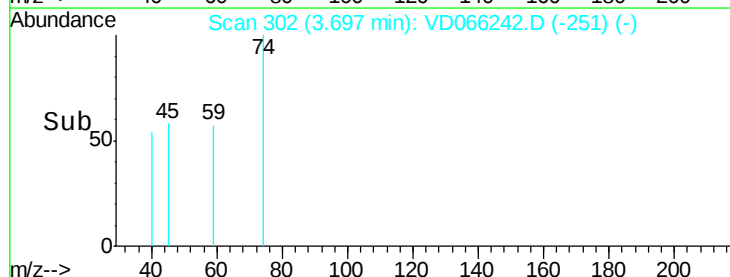
600

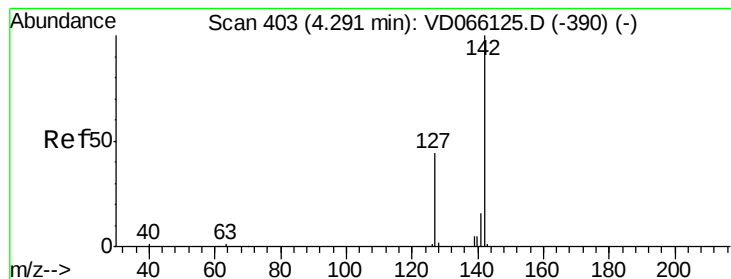
400

200

0

Time-->





#10

Methyl Iodide

Concen: 6.732 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

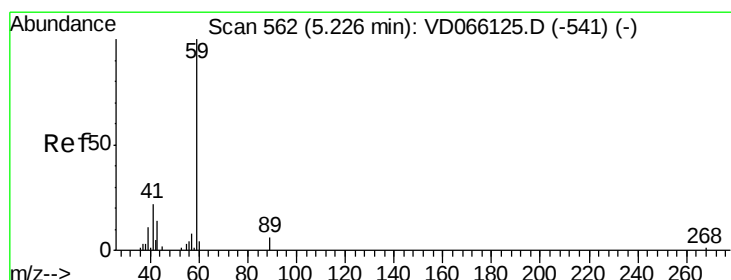
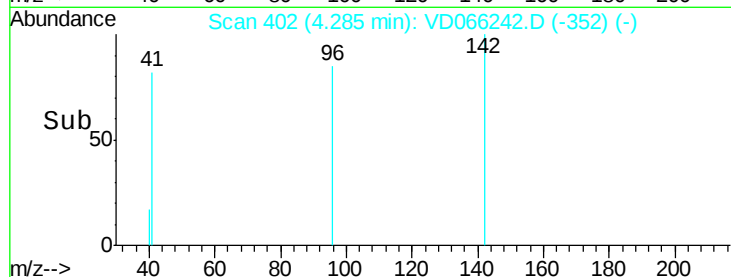
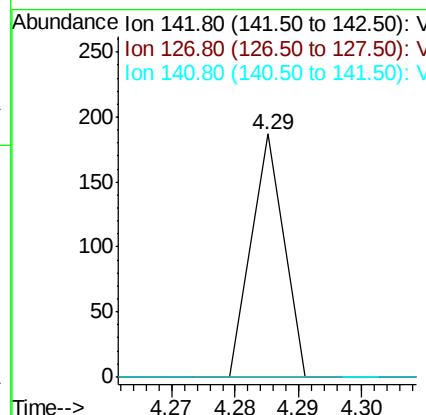
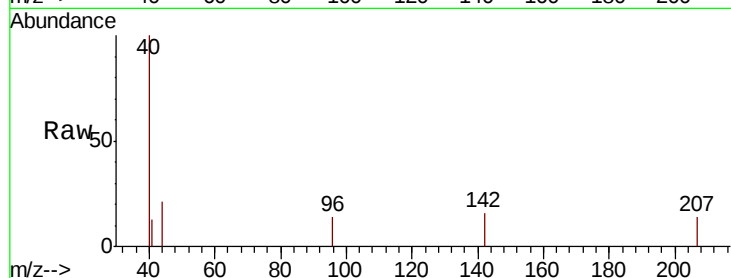
Instrument :

MSVOA_D

ClientSampleID :

VD0815

Tot Ion:	142	Resp:	66
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.4#
141	0.0	12.6	18.8#



#11

Tert butyl alcohol

Concen: Below Cal

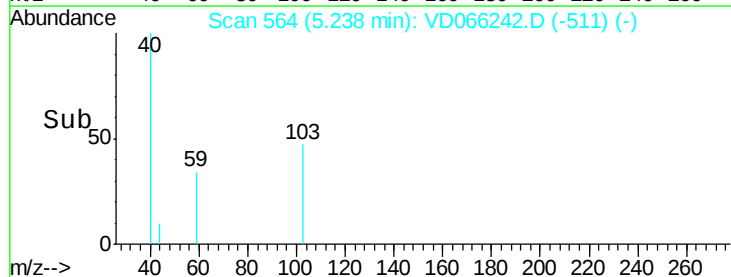
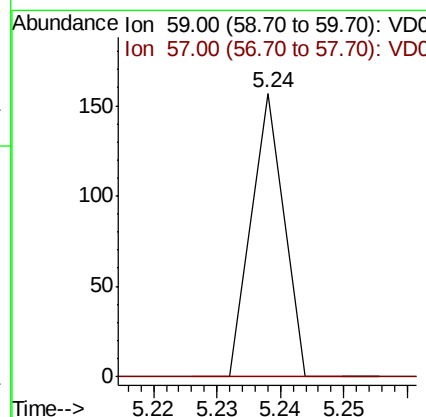
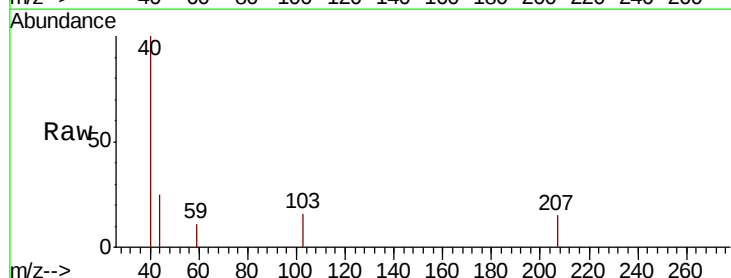
RT: 5.24 min Scan# 564

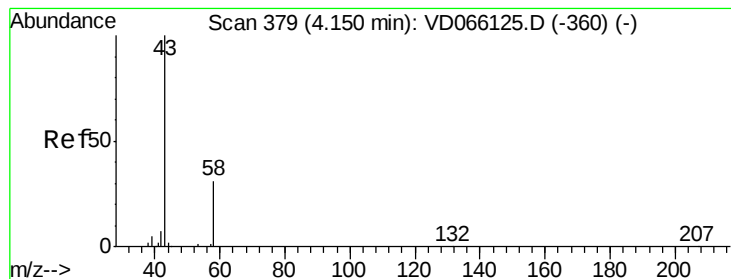
Delta R.T. 0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Tgt Ion:	59	Resp:	55
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#





#16

Acetone

Concen: 7.327 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

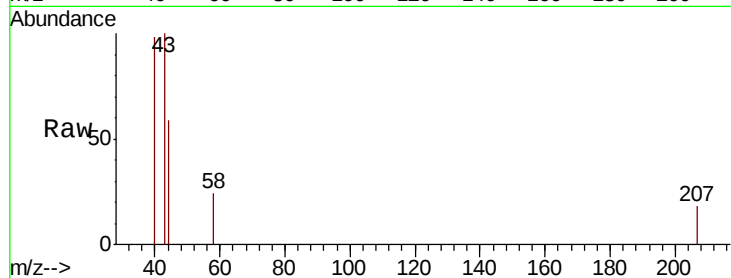
VD0815

Tot Ion: 43 Resp: 3975

Ion Ratio Lower Upper

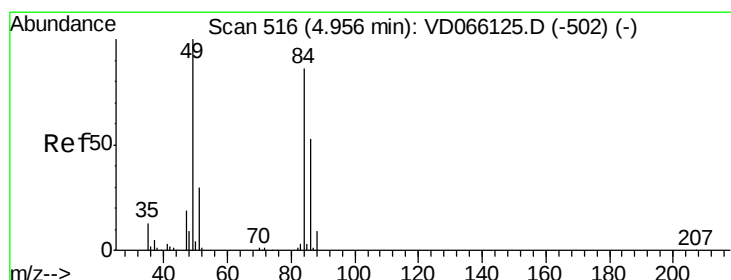
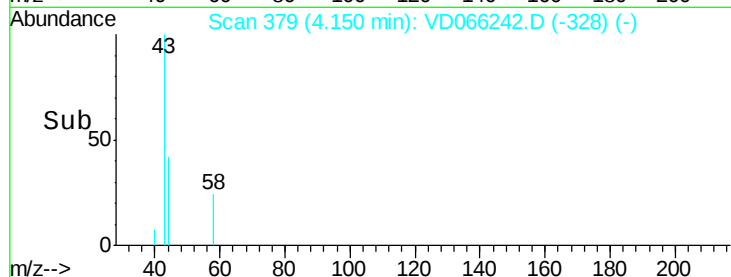
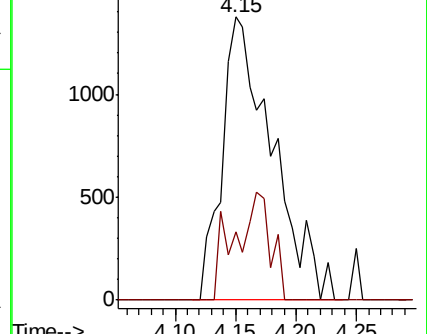
43 100

58 24.1 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 8.603 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Tgt Ion: 84 Resp: 38836

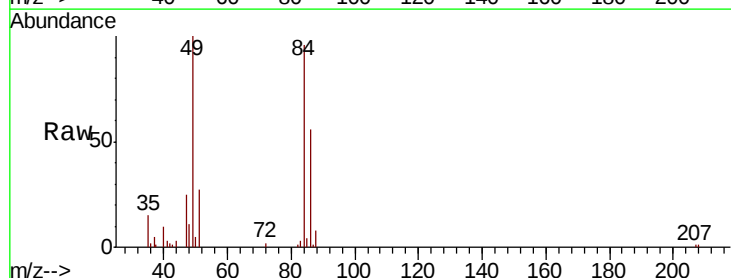
Ion Ratio Lower Upper

84 100

49 104.2 93.5 140.3

51 28.4 28.2 42.4

86 58.0 49.5 74.3

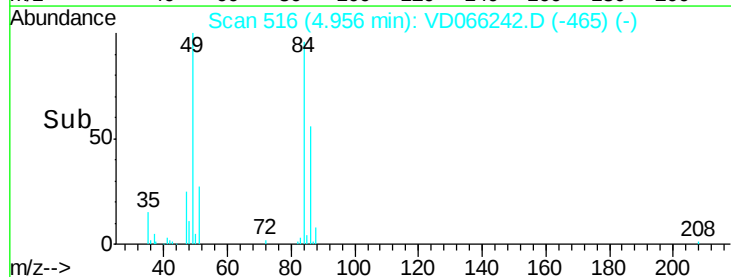
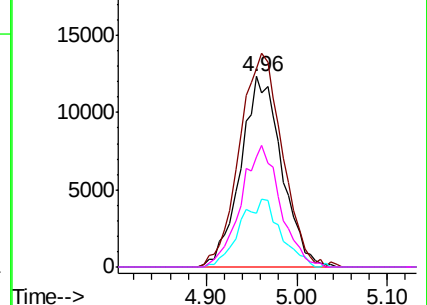


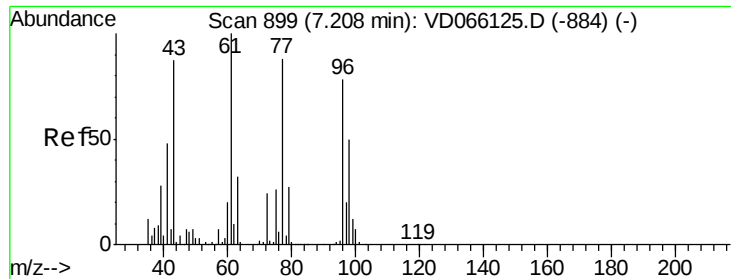
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.122 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

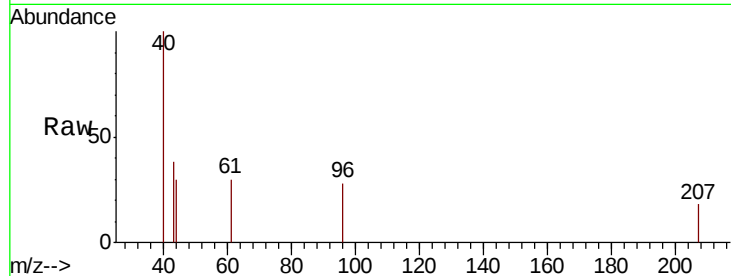
VD0815

Tot Ion: 43 Resp: 895

Ion Ratio Lower Upper

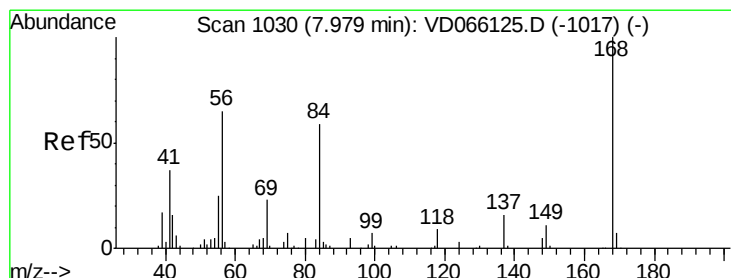
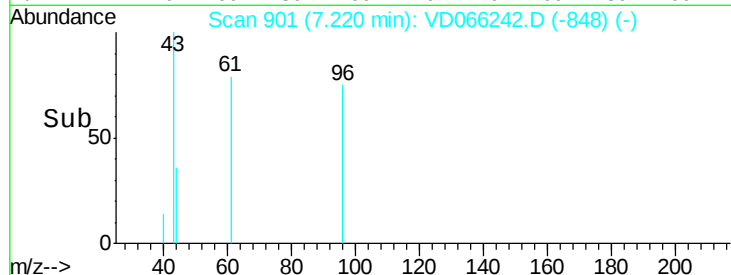
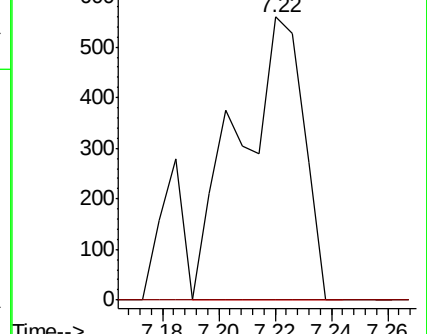
43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

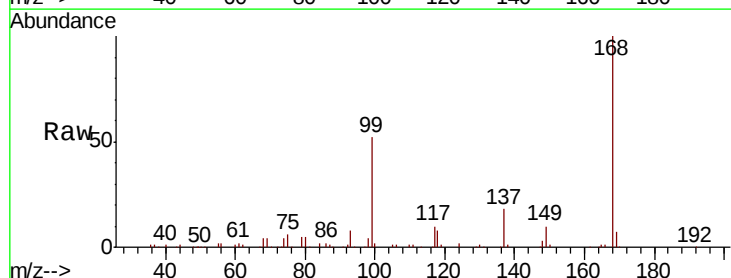
Tgt Ion: 56 Resp: 6327

Ion Ratio Lower Upper

56 100

69 169.2 28.8 43.2#

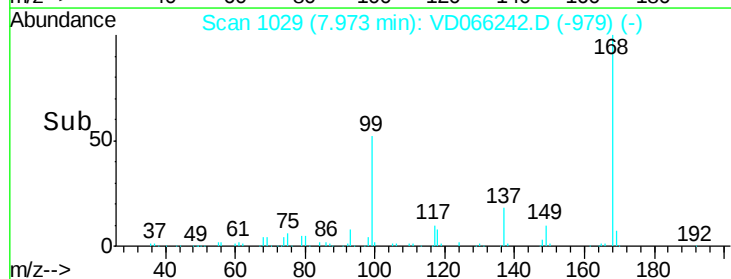
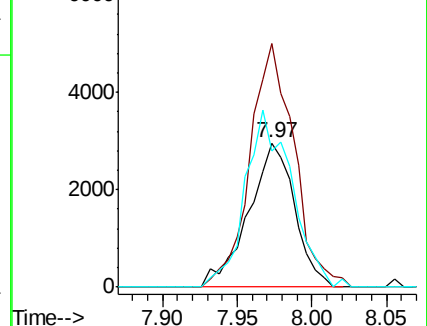
84 94.5 73.0 109.6

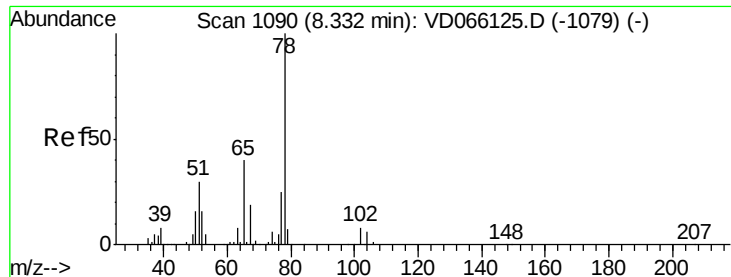


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.323 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

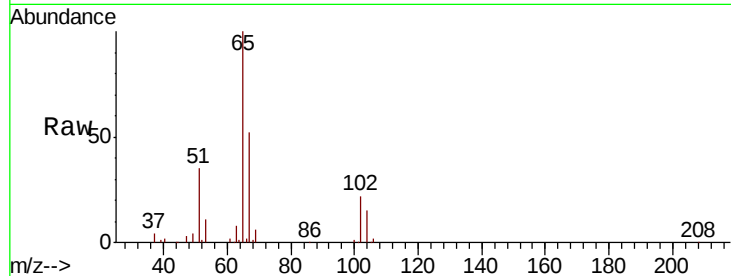
VD0815

Tot Ion: 65 Resp: 126725

Ion Ratio Lower Upper

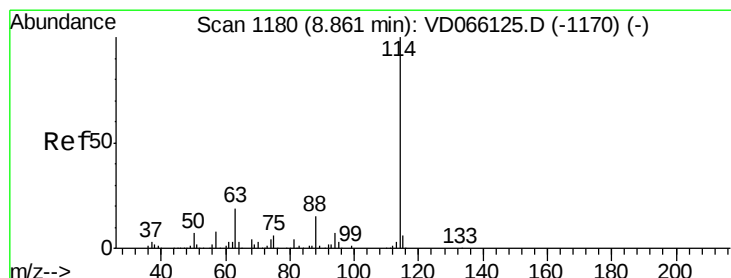
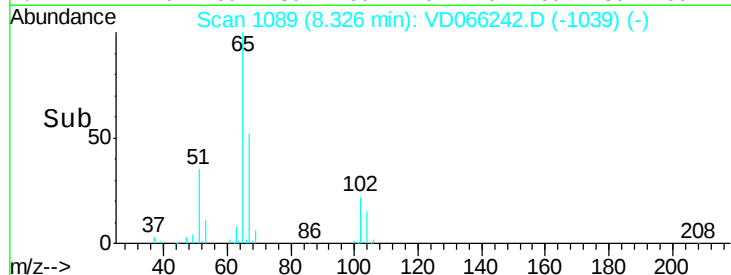
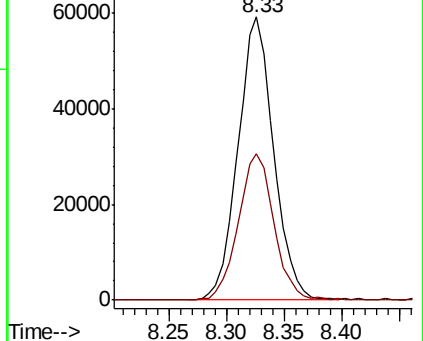
65 100

67 51.5 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# 1179

Delta R.T. -0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

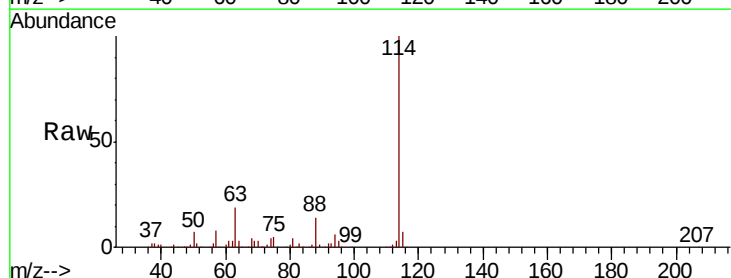
Tgt Ion: 114 Resp: 494255

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

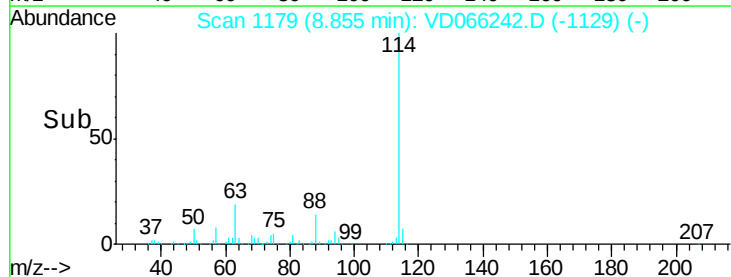
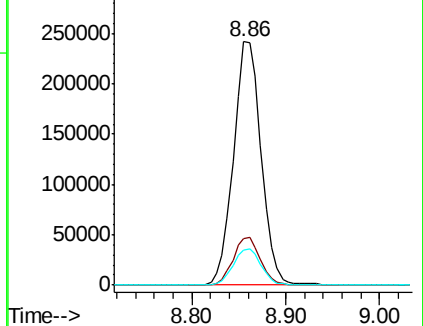
88 14.3 0.0 30.0

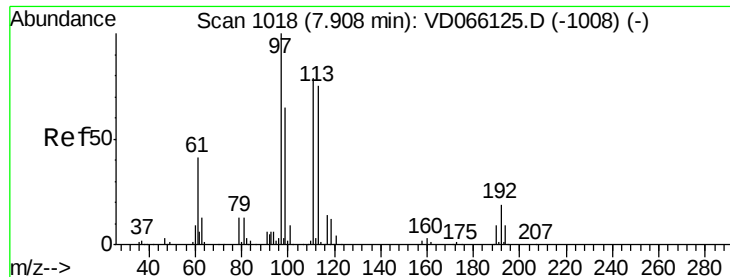


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

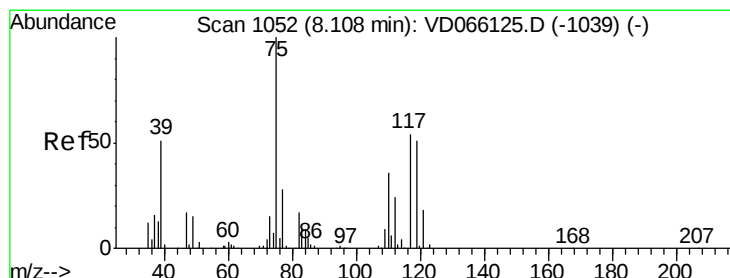
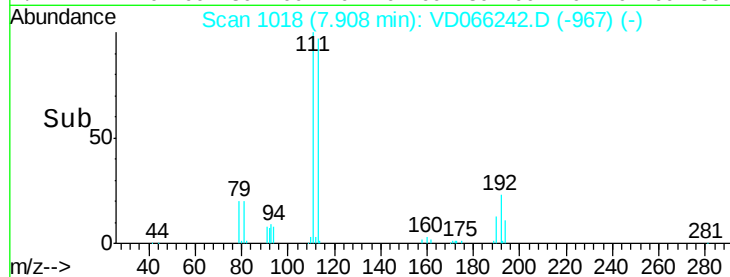
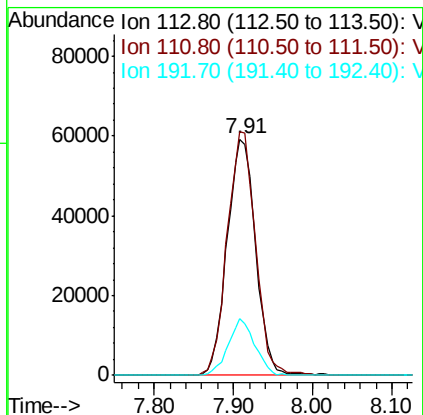
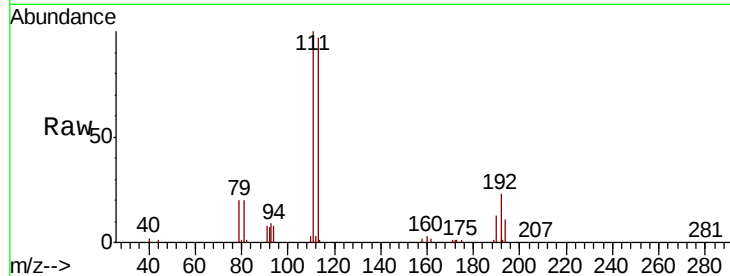




#35
 Dibromofluoromethane
 Concen: 46.974 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066242.D
 Acq: 14 Aug 2020 17:49

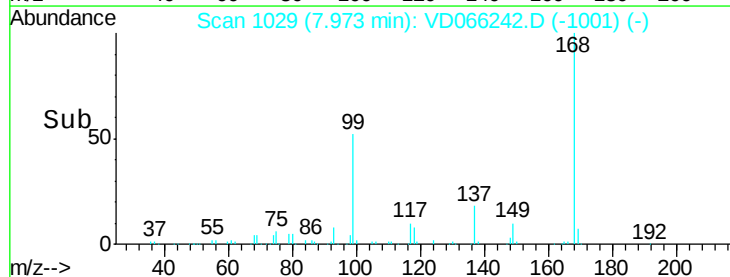
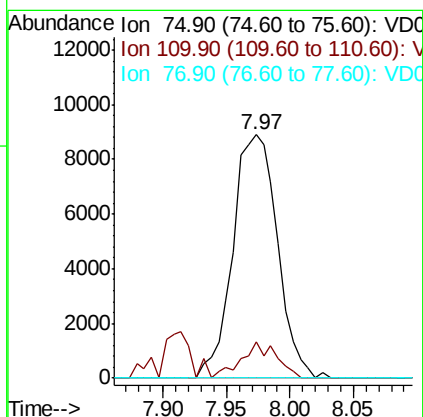
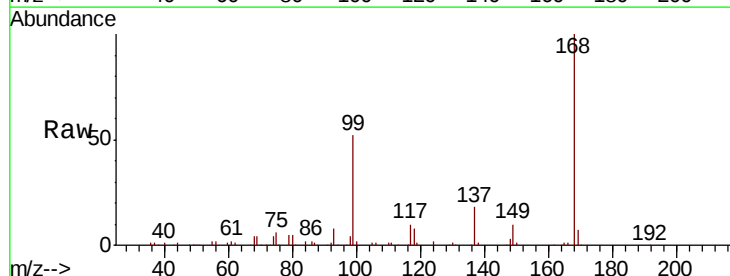
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815

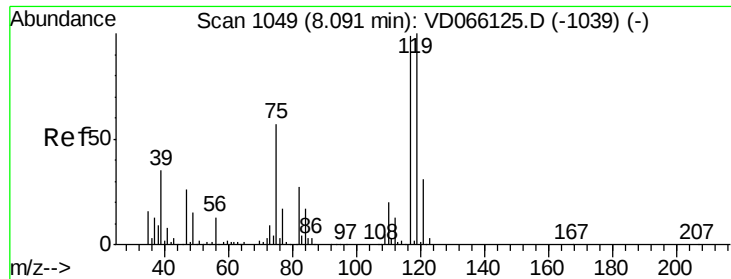
Tot Ion:113 Resp: 147077
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.4 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066242.D
 Acq: 14 Aug 2020 17:49

Tgt Ion: 75 Resp: 21657
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.8 56.3#
 77 0.0 24.2 36.2#

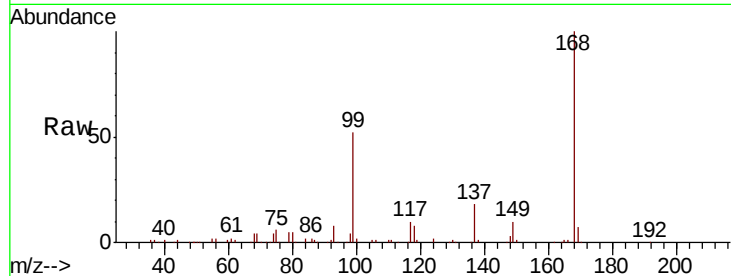




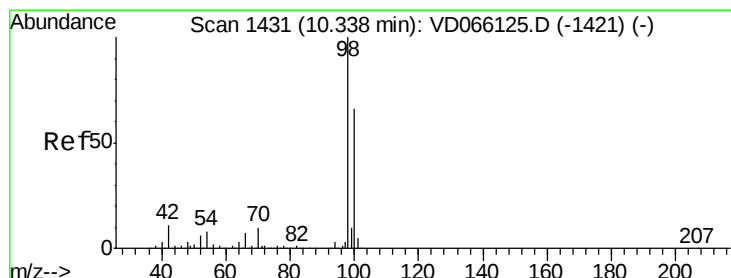
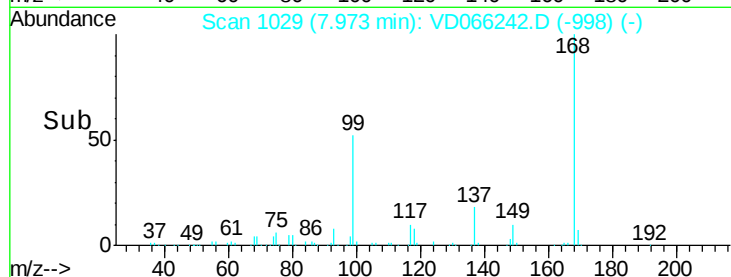
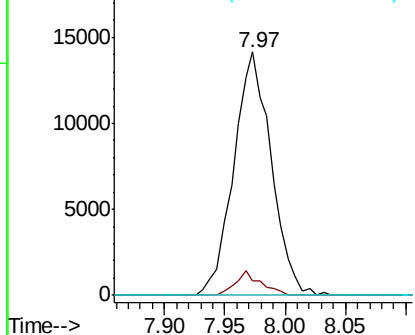
#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066242.D
Acq: 14 Aug 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :
VD0815

Tot Ion:117 Resp: 30646
Ion Ratio Lower Upper
117 100
119 6.0 81.0 121.4#
121 0.0 24.8 37.2#

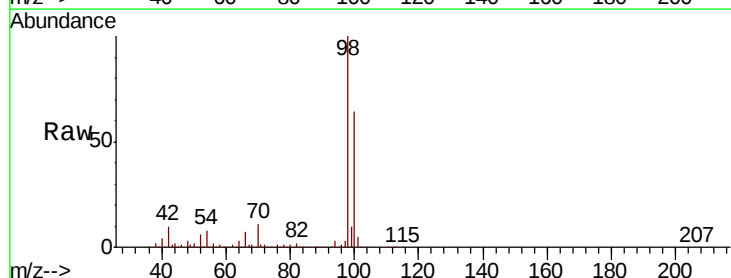


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

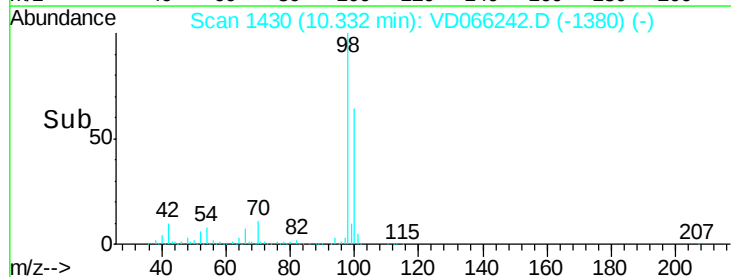
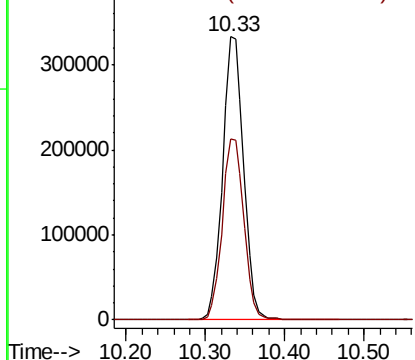


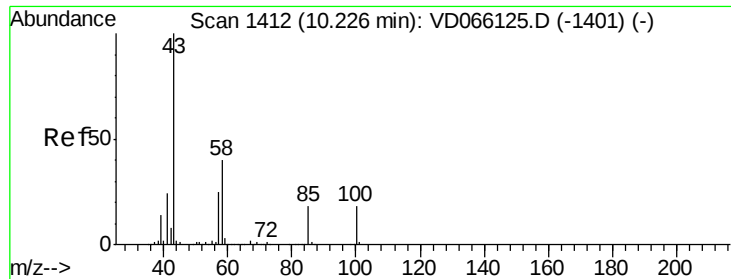
#50
Toluene-d8
Concen: 52.747 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066242.D
Acq: 14 Aug 2020 17:49

Tgt Ion: 98 Resp: 609454
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.559 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

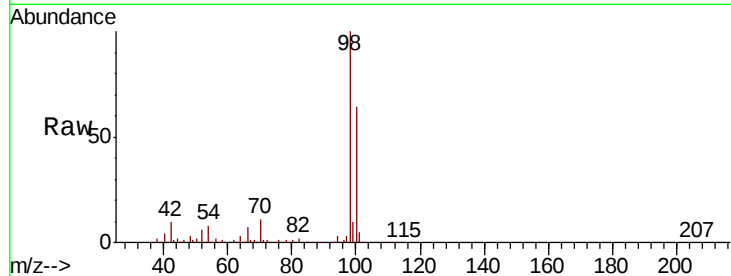
VD0815

Tot Ion: 43 Resp: 2903

Ion Ratio Lower Upper

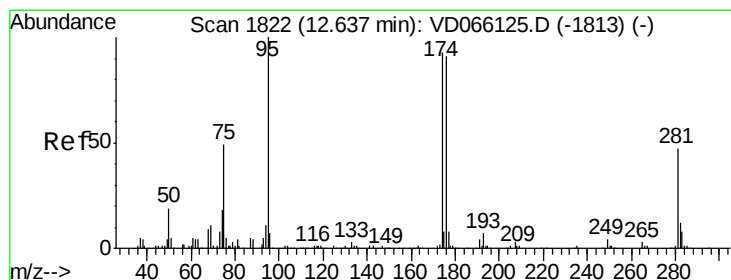
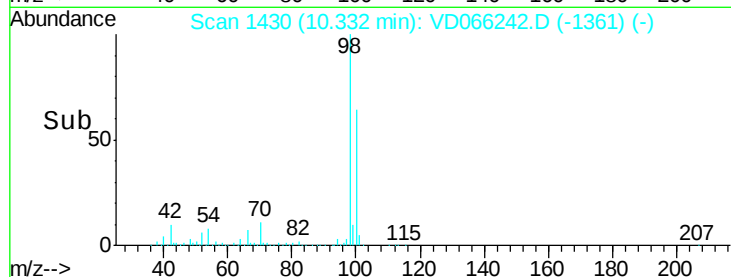
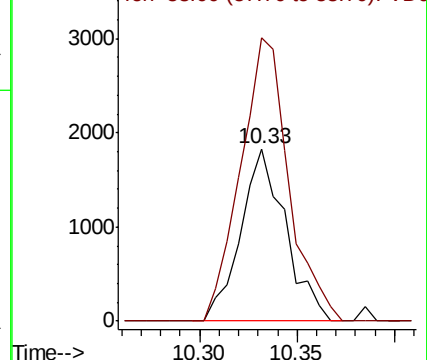
43 100

58 177.3 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 71.165 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

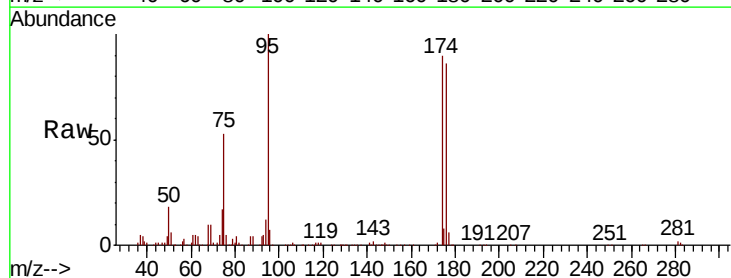
Tgt Ion: 95 Resp: 296394

Ion Ratio Lower Upper

95 100

174 91.8 0.0 180.8

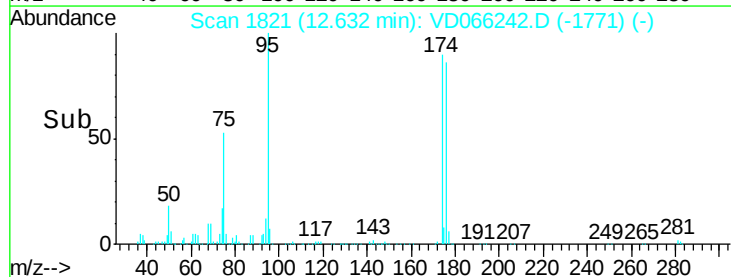
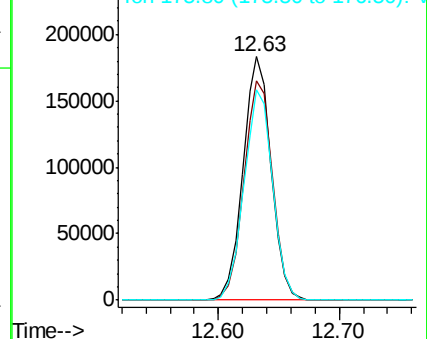
176 88.2 0.0 181.2

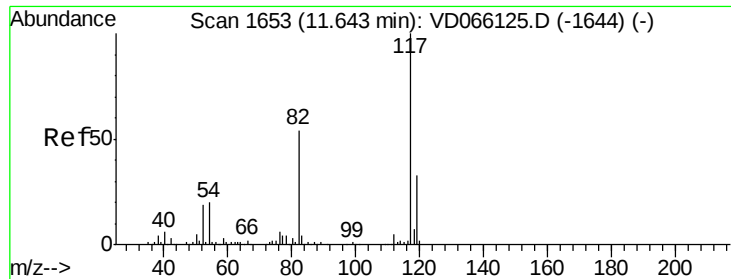


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

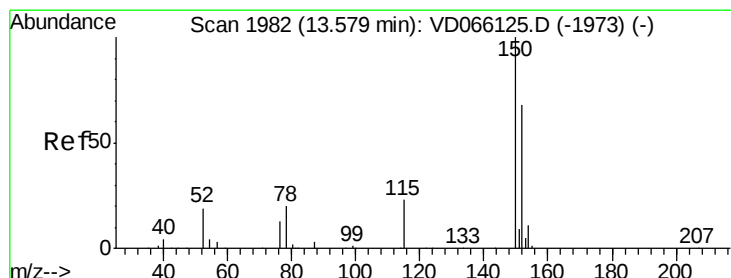
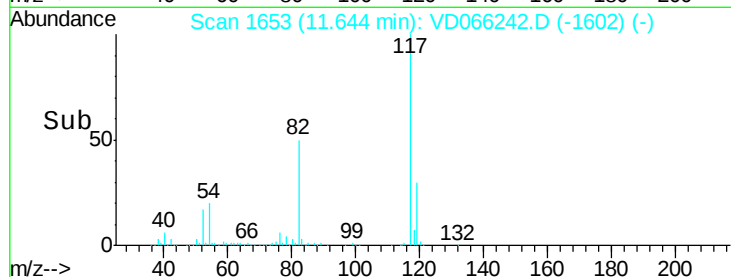
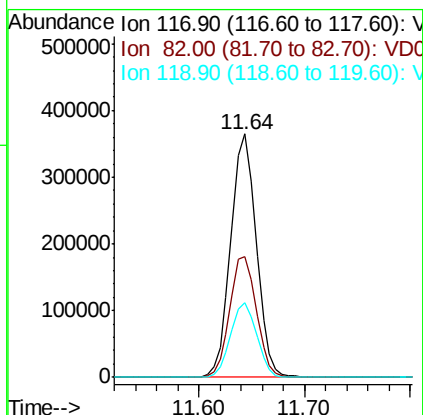
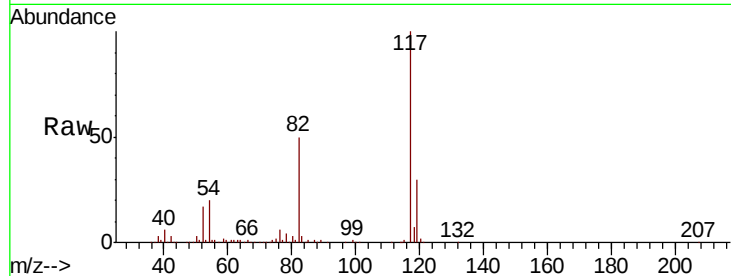




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066242.D
Acq: 14 Aug 2020 17:49

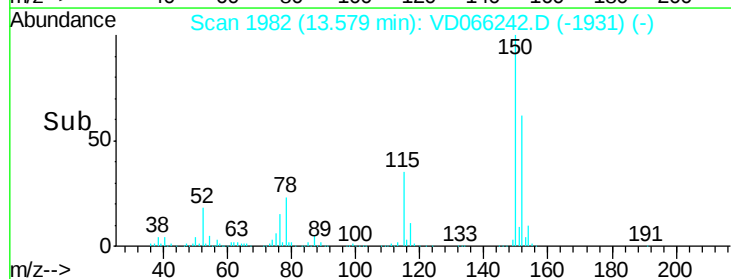
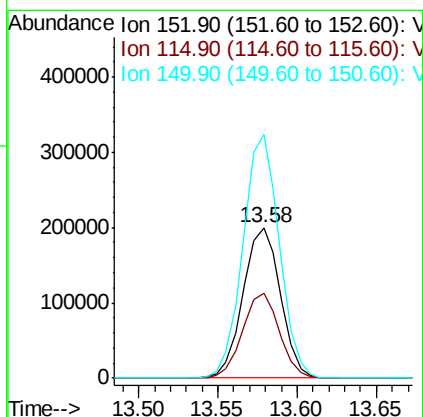
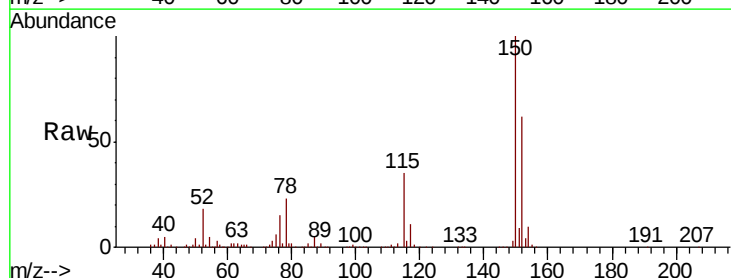
Instrument :
MSVOA_D
ClientSampleID :
VD0815

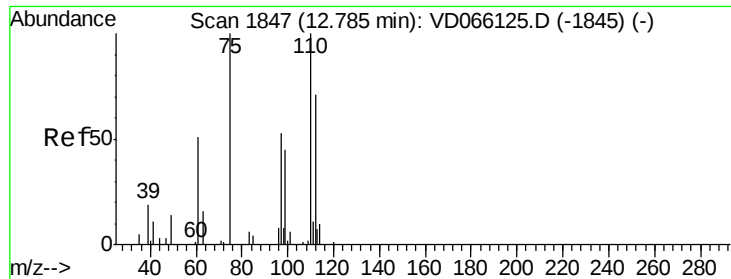
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	43.0	64.4
119	30.4	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066242.D
Acq: 14 Aug 2020 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	83.9
150	157.3	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 55.620 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Instrument :

MSVOA_D

ClientSampled :

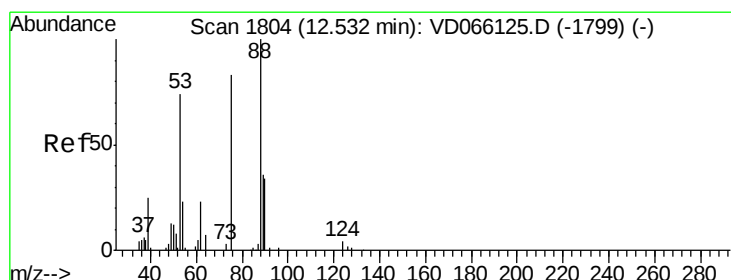
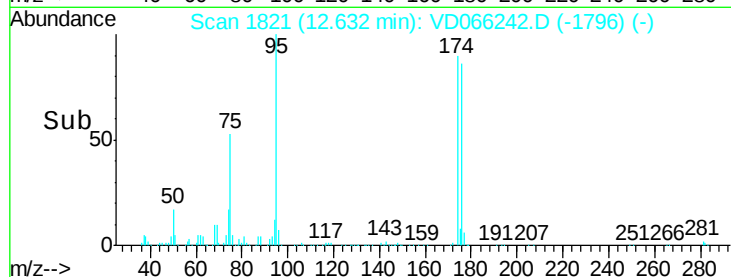
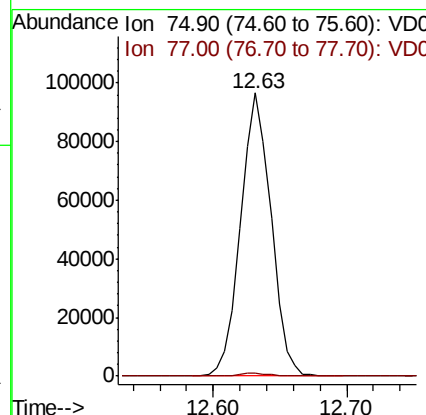
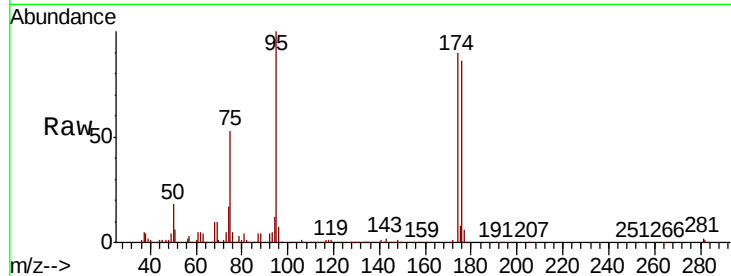
VD0815

Tot Ion: 75 Resp: 152290

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.951 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066242.D

Acq: 14 Aug 2020 17:49

Tgt Ion: 75 Resp: 152290

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.2 36.6 55.0#

