

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065264.D
 Acq On : 20 Feb 2020 19:21
 Operator : VA/SY
 Sample : L1626-04
 Misc : 3.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266051	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	245242	66.90	ug/l	0.00
Spiked Amount			Recovery	=	133.80%	
35) Dibromofluoromethane	7.92	113	229533	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
50) Toluene-d8	10.34	98	821769	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.64	95	243598	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

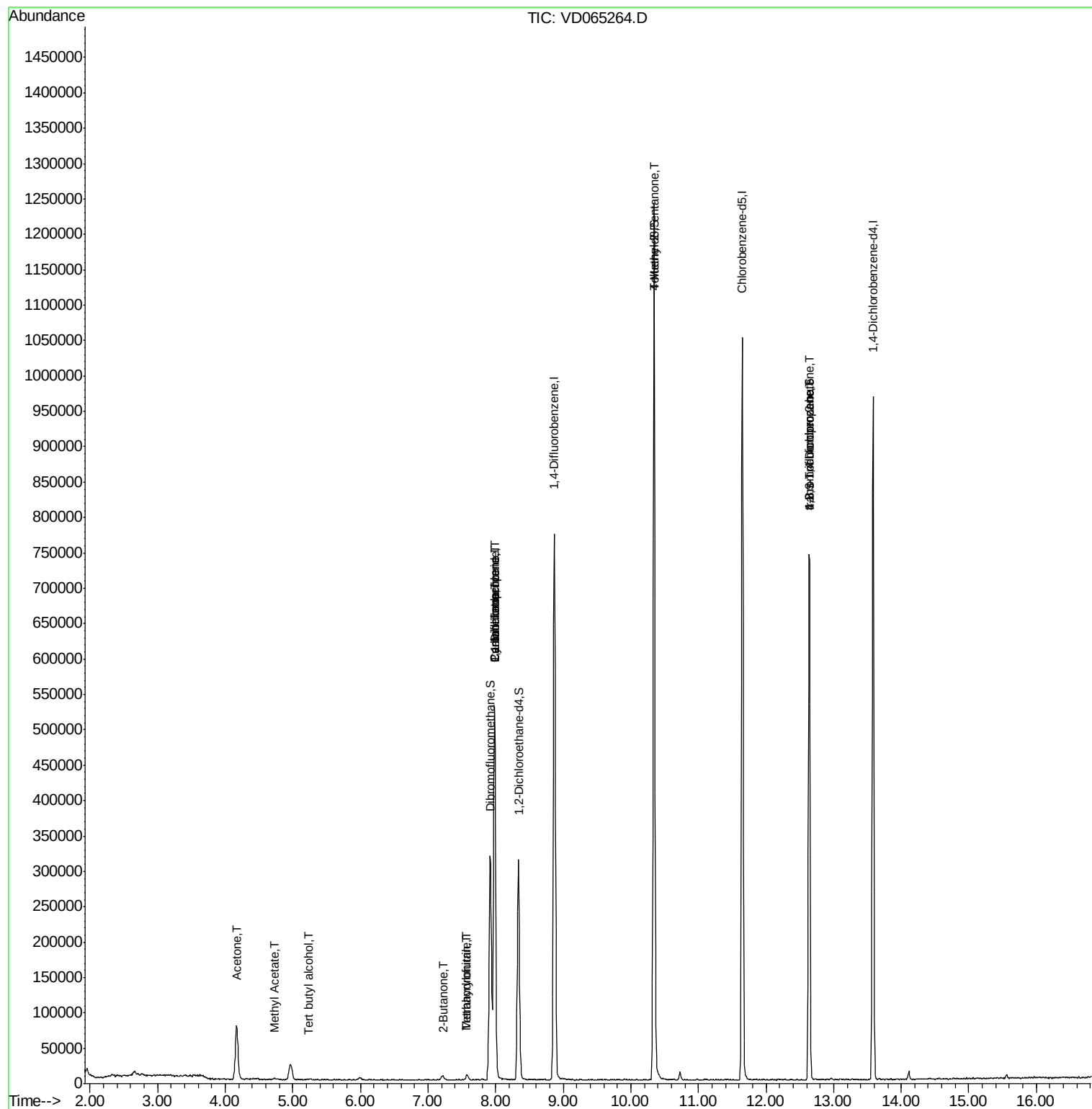
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	2119	9.674	ug/l #	72
13) Acrolein	3.75	56	54	Below Cal	#	14
16) Acetone	4.17	43	138445	154.500	ug/l	96
18) Methyl Acetate	4.72	43	3408	1.691	ug/l #	68
25) 2-Butanone	7.24	43	1977	1.744	ug/l #	49
29) Tetrahydrofuran	7.57	42	5994	9.023	ug/l	99
31) Cyclohexane	7.98	56	7664	1.063	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	29688	4.488	ug/l #	49
38) Carbon Tetrachloride	7.98	117	38458	5.711	ug/l #	16
41) Methacrylonitrile	7.58	41	3957	2.478	ug/l #	45
51) 4-Methyl-2-Pentanone	10.35	43	3662	1.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	118344	52.280	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	118344	112.883	ug/l #	11

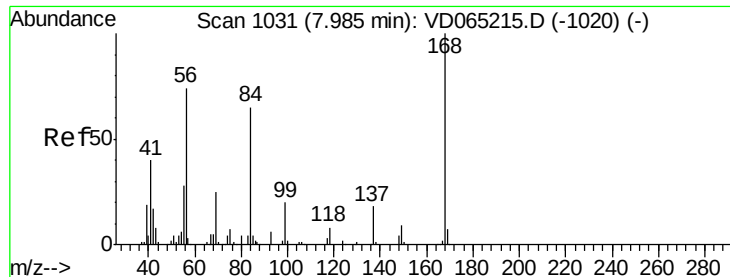
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065264.D

Acq: 20 Feb 2020 19:21

Instrument :

MSVOA_D

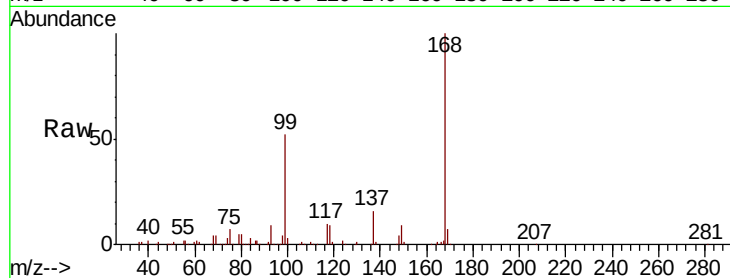
ClientSampleId :

Tot Ion:168 Resp: 407482

Ion Ratio Lower Upper

168 100

99 52.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

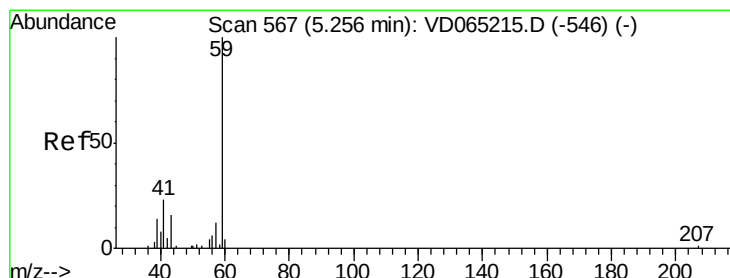
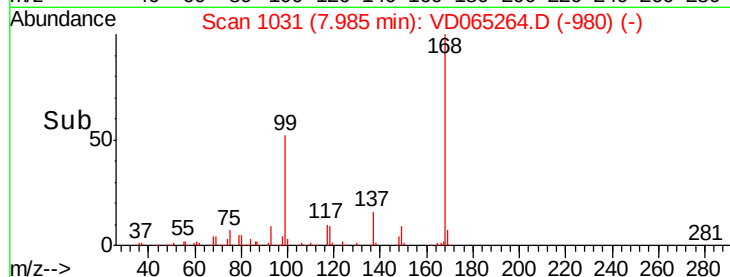
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 9.674 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD065264.D

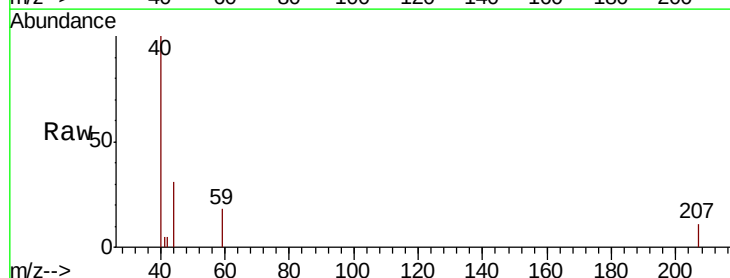
Acq: 20 Feb 2020 19:21

Tgt Ion: 59 Resp: 2119

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

800

600

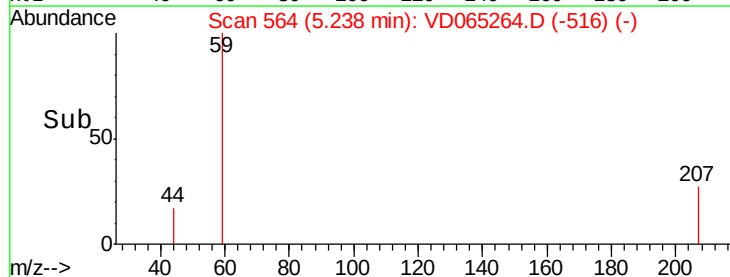
400

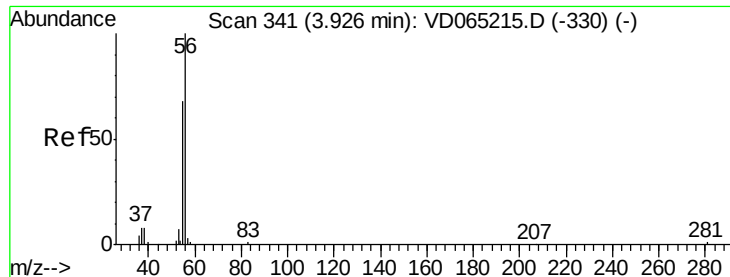
200

0

5.20 5.25 5.30

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.75 min Scan# 311

Delta R.T. -0.18 min

Lab File: VD065264.D

Acq: 20 Feb 2020 19:21

Instrument :

MSVOA_D

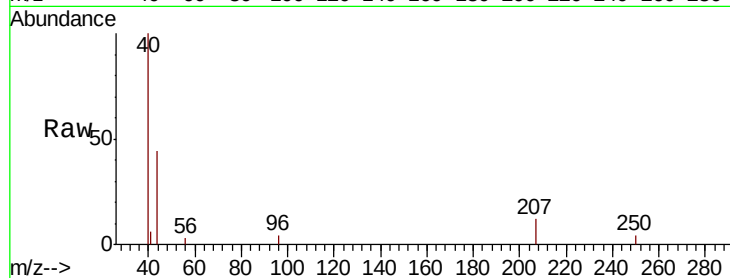
ClientSampleId :

Tot Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.75

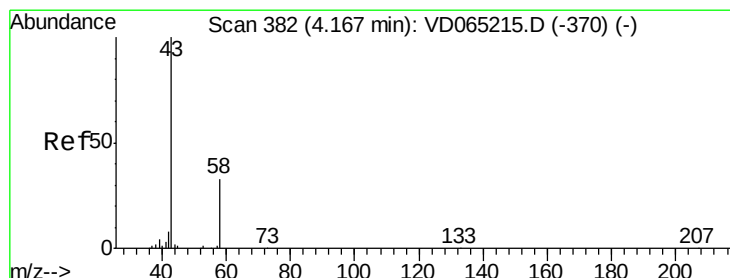
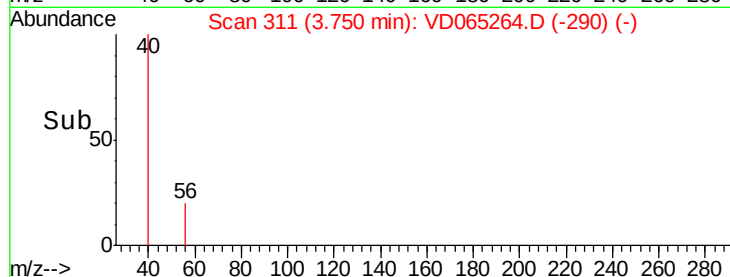
150

100

50

0

Time-->



#16

Acetone

Concen: 154.500 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065264.D

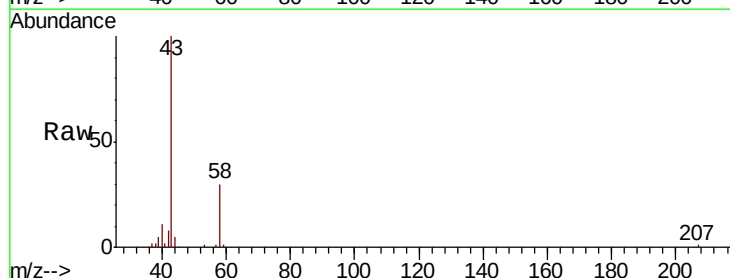
Acq: 20 Feb 2020 19:21

Tgt Ion: 43 Resp: 138445

Ion Ratio Lower Upper

43 100

58 30.4 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

50000

40000

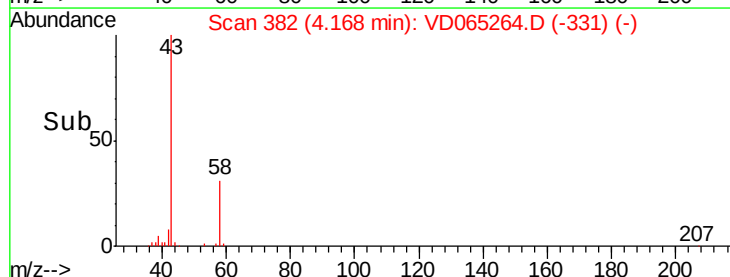
30000

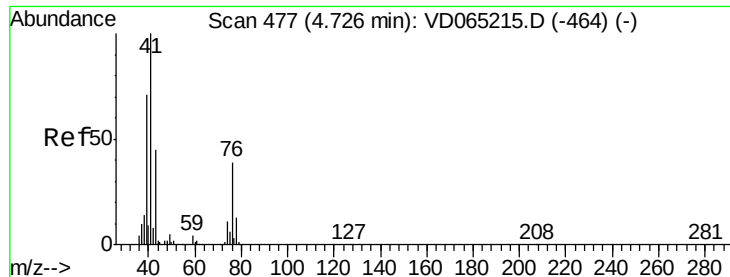
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10000

0

Time-->

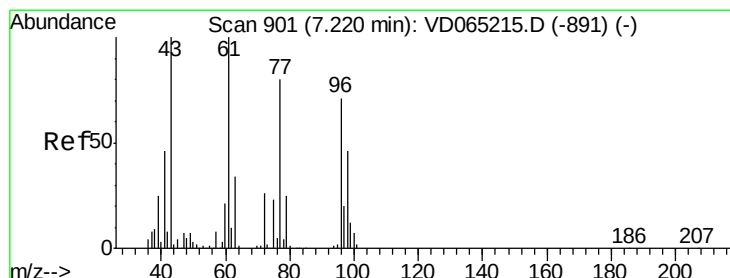
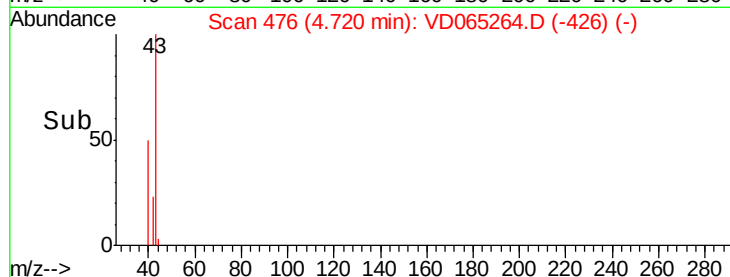
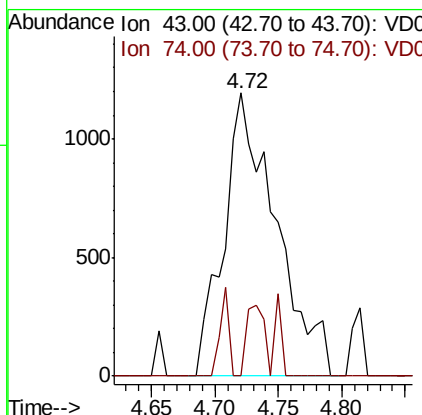
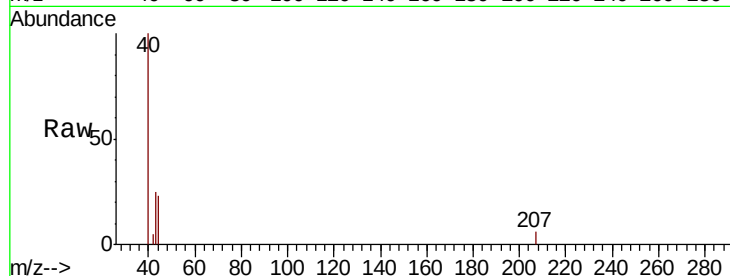




#18
Methvl Acetate
Concen: 1.691 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

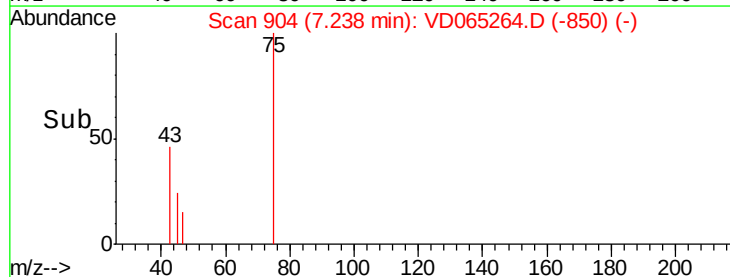
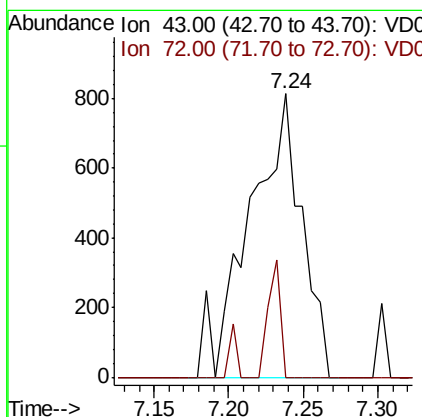
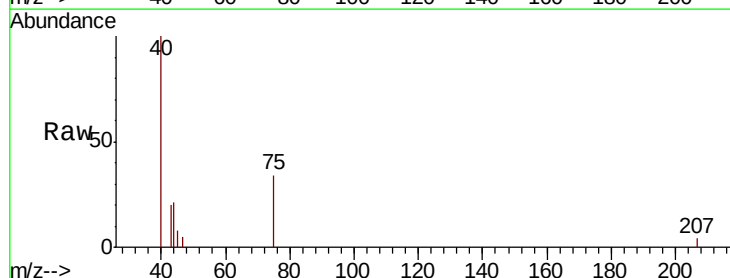
Instrument :
MSVOA_D
ClientSampled :

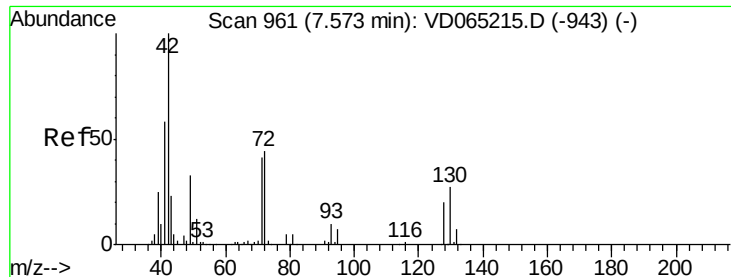
Tot Ion: 43 Resp: 3408
Ion Ratio Lower Upper
43 100
74 8.5 19.4 29.2#



#25
2-Butanone
Concen: 1.744 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

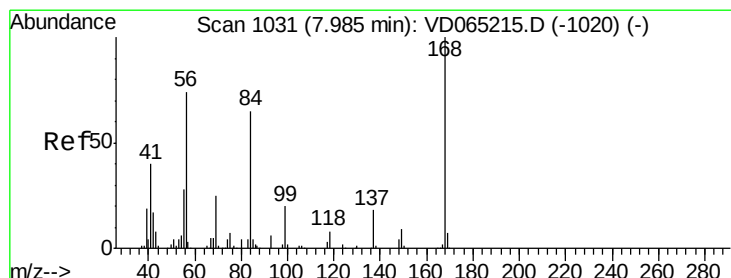
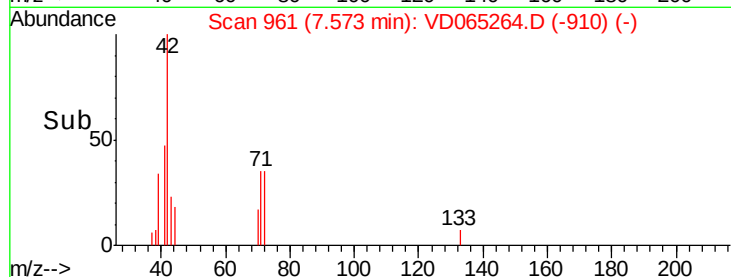
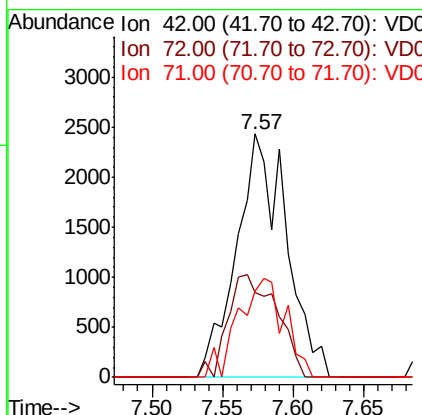
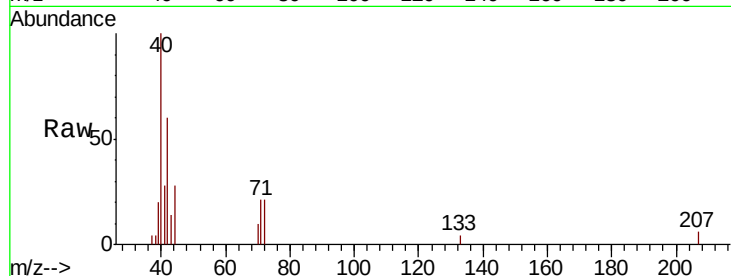




#29
Tetrahydrofuran
Concen: 9.023 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

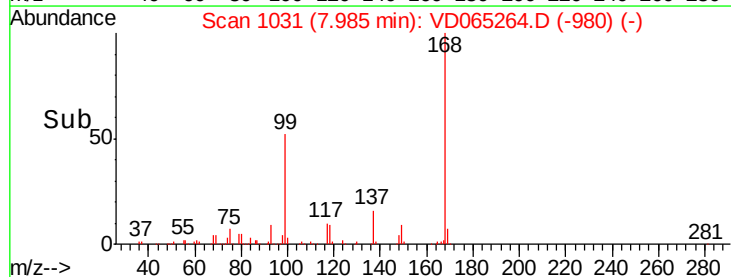
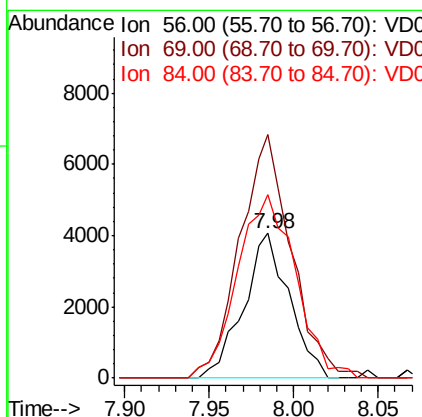
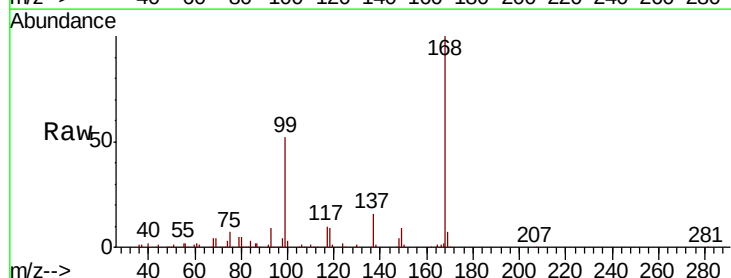
Instrument :
MSVOA_D
ClientSampleId :

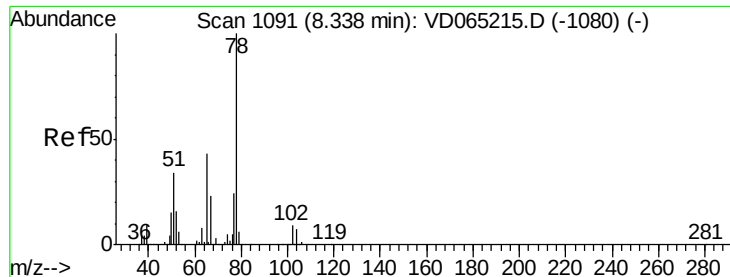
Tot Ion: 42 Resp: 5994
Ion Ratio Lower Upper
42 100
72 41.6 33.7 50.5
71 38.1 31.4 47.2



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

Tgt Ion: 56 Resp: 7664
Ion Ratio Lower Upper
56 100
69 168.1 27.4 41.0#
84 127.1 71.1 106.7#

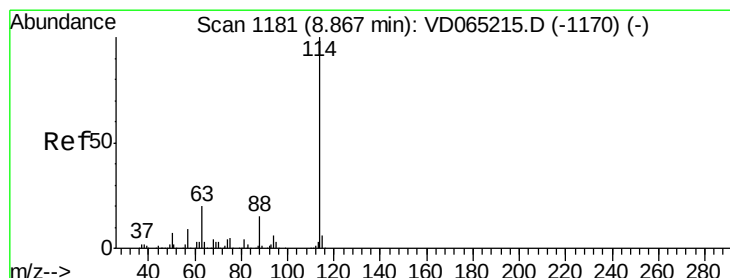
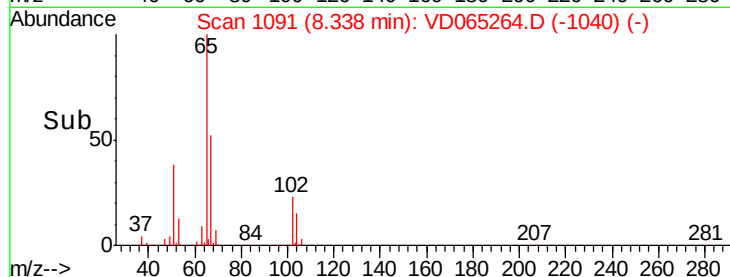
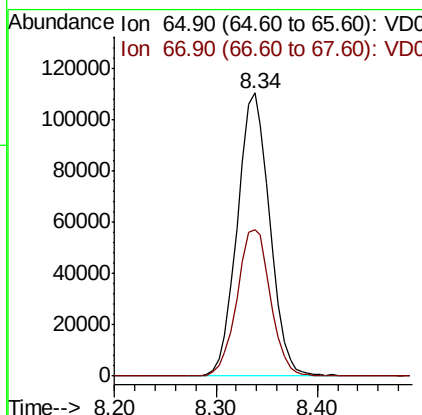
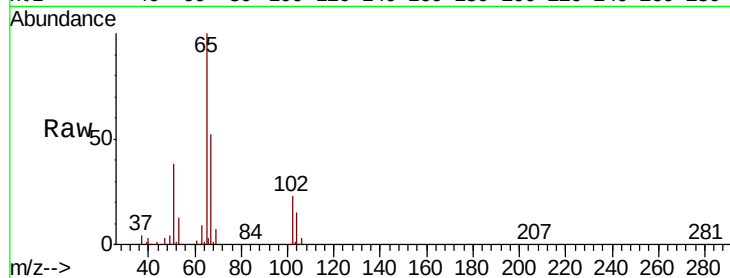




#33
 1,2-Dichloroethane-d4
 Concen: 66.901 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065264.D
 Acq: 20 Feb 2020 19:21

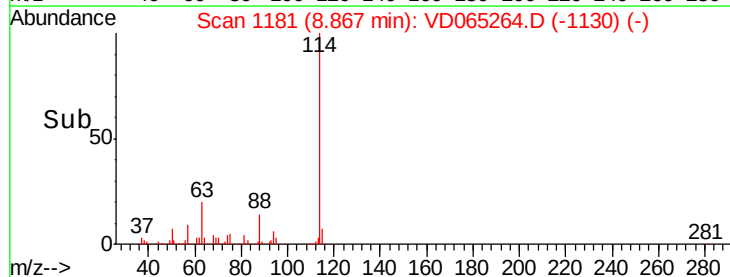
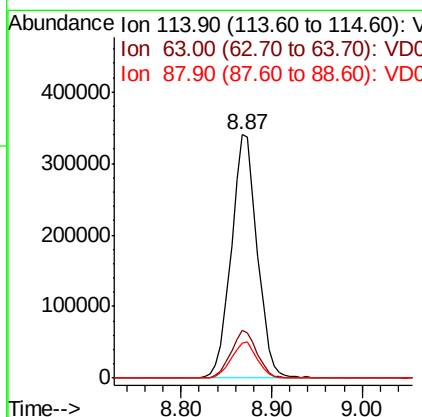
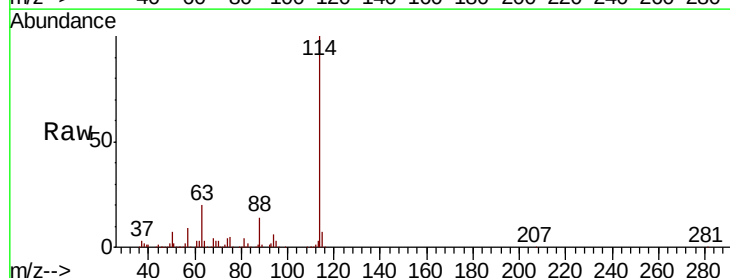
Instrument :
 MSVOA_D
 ClientSampleId :

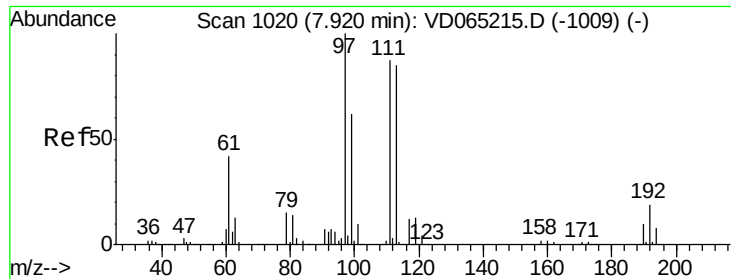
Tot Ion: 65 Resp: 245242
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065264.D
 Acq: 20 Feb 2020 19:21

Tgt Ion: 114 Resp: 679863
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 14.5 0.0 30.4

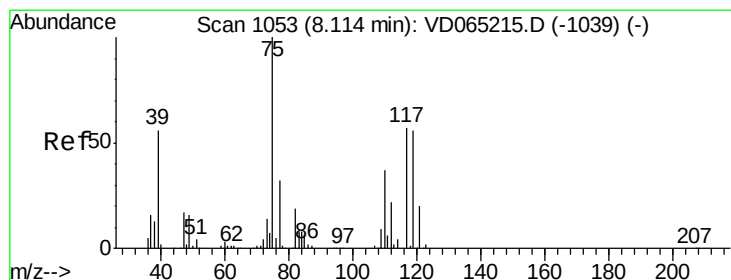
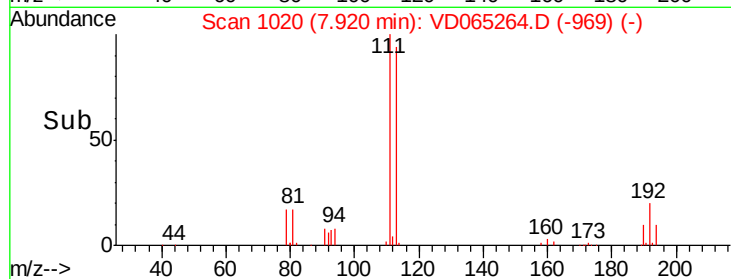
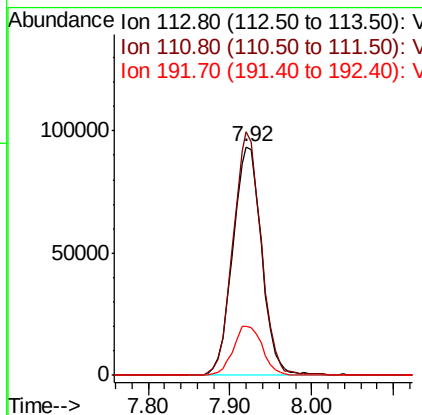
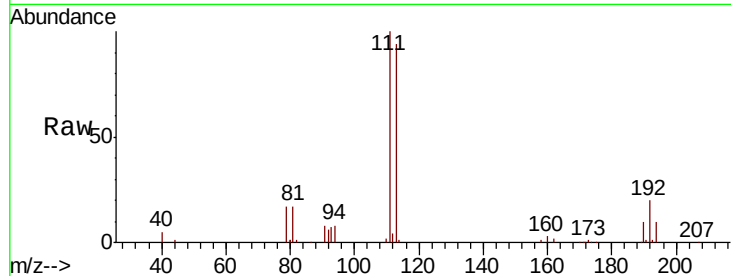




#35
 Dibromofluoromethane
 Concen: 55.370 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065264.D
 Acq: 20 Feb 2020 19:21

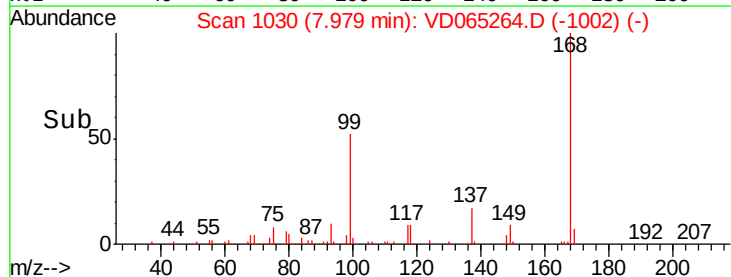
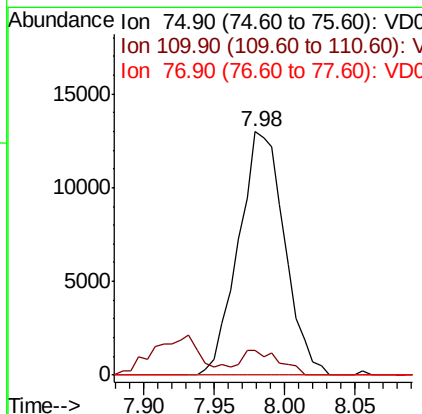
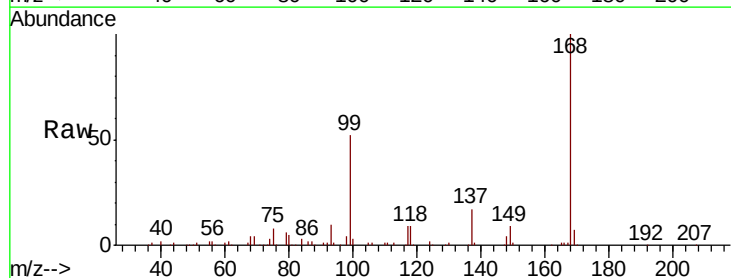
Instrument :
 MSVOA_D
 ClientSampled :

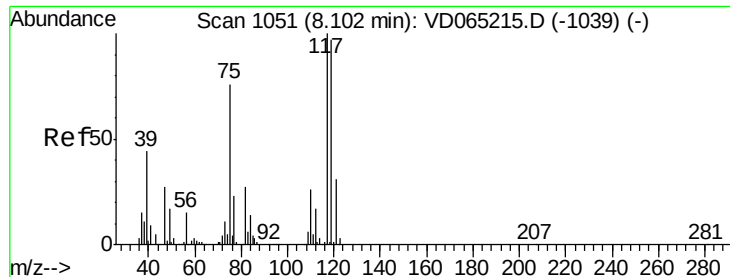
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	21.9	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065264.D
 Acq: 20 Feb 2020 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.9	53.7#
77	0.0	25.1	37.7#

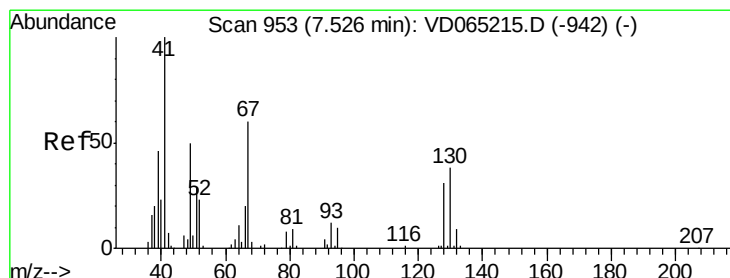
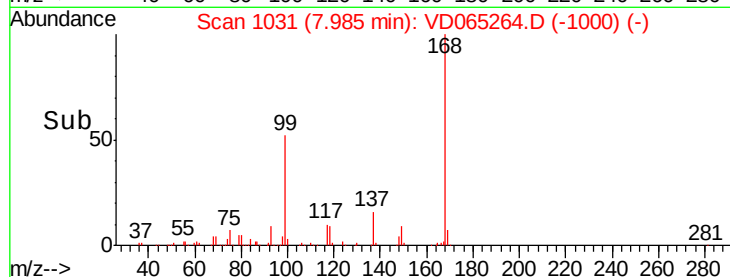
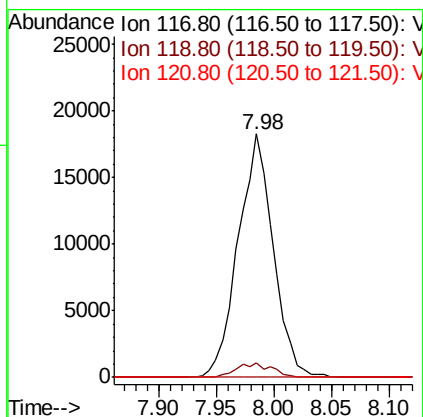
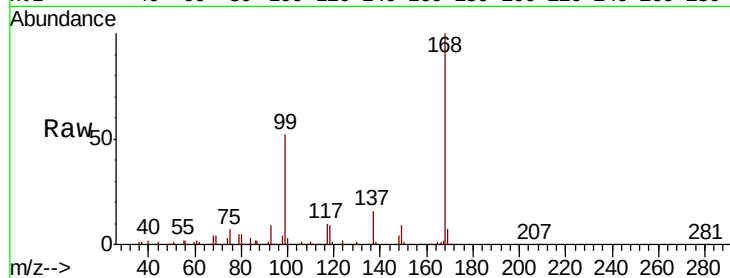




#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

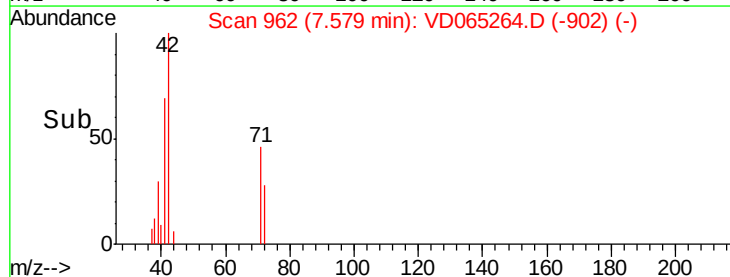
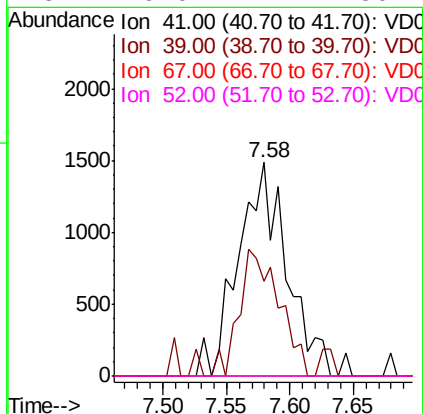
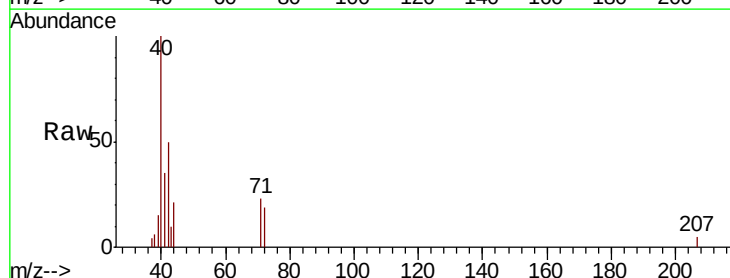
Instrument :
MSVOA_D
ClientSampled :

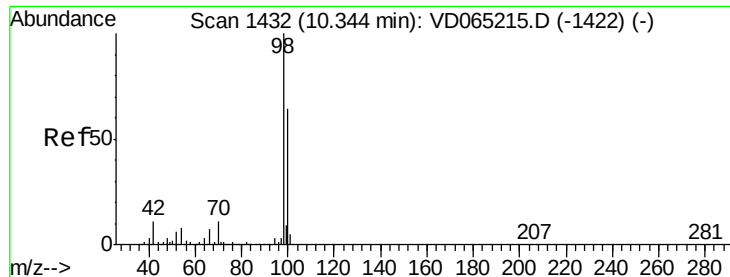
Tot Ion:117 Resp: 38458
Ion Ratio Lower Upper
117 100
119 6.1 77.6 116.4#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.478 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.05 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

Tgt Ion: 41 Resp: 3957
Ion Ratio Lower Upper
41 100
39 48.9 48.1 72.1
67 0.0 58.9 88.3#
52 0.0 24.2 36.2#

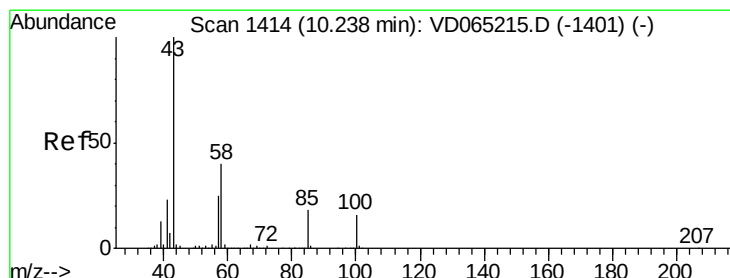
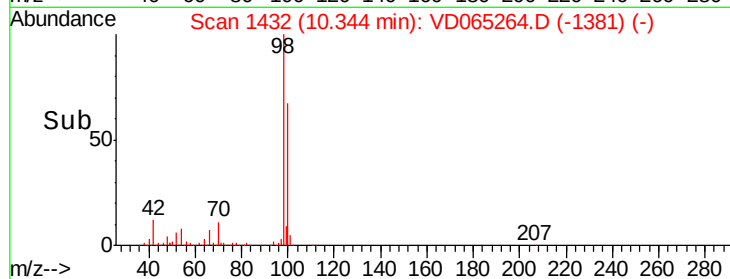
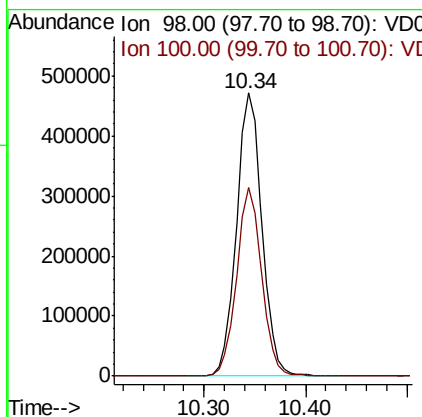
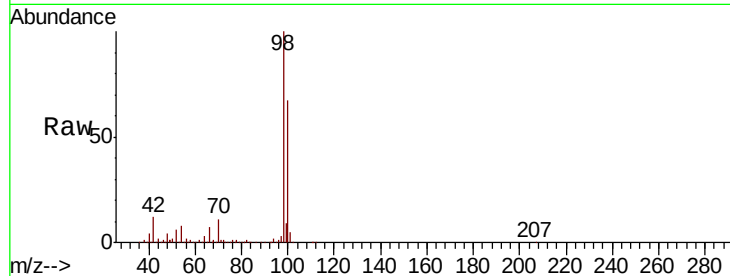




#50
Toluene-d8
Concen: 51.855 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

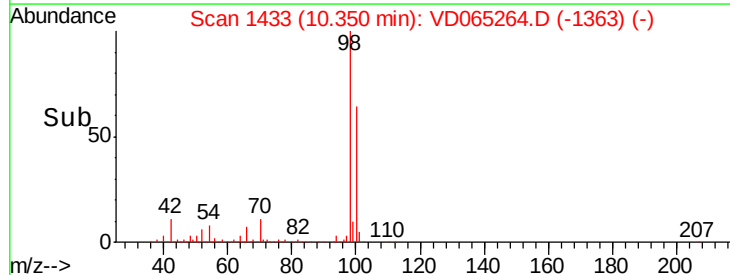
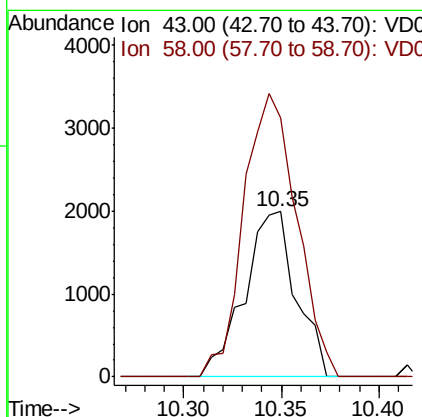
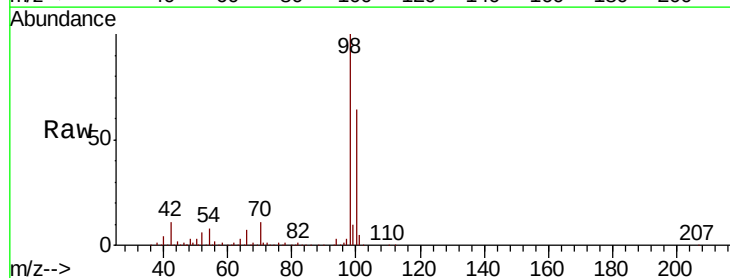
Instrument :
MSVOA_D
ClientSampled :

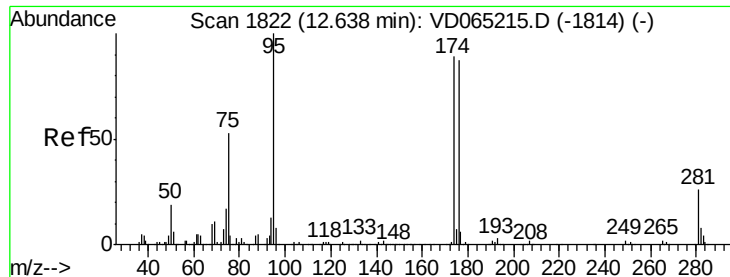
Tot Ion: 98 Resp: 821769
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

Tgt Ion: 43 Resp: 3662
Ion Ratio Lower Upper
43 100
58 175.5 31.1 46.7#

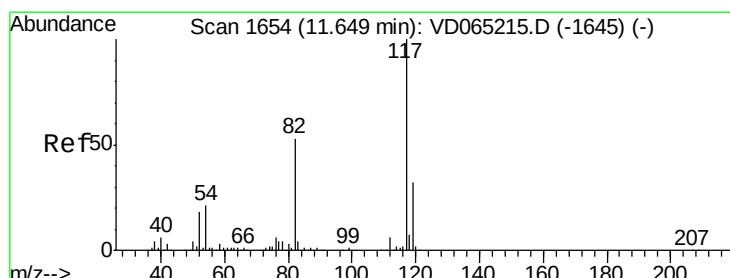
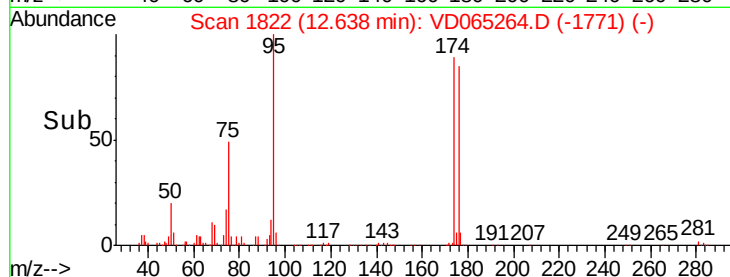
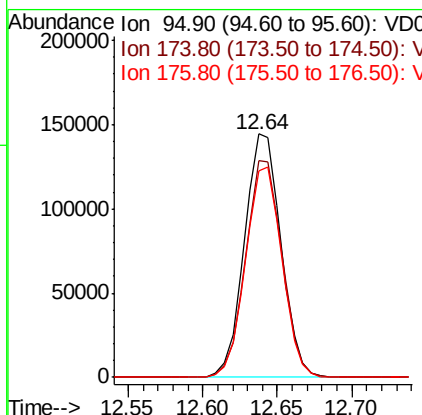
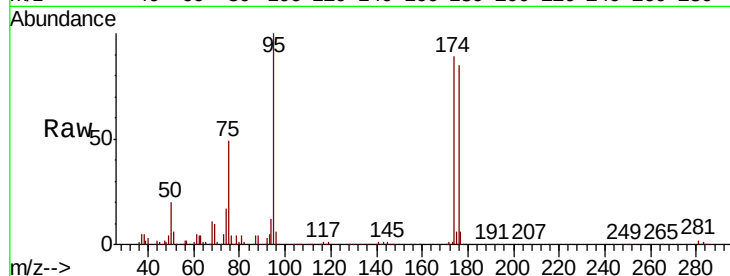




#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

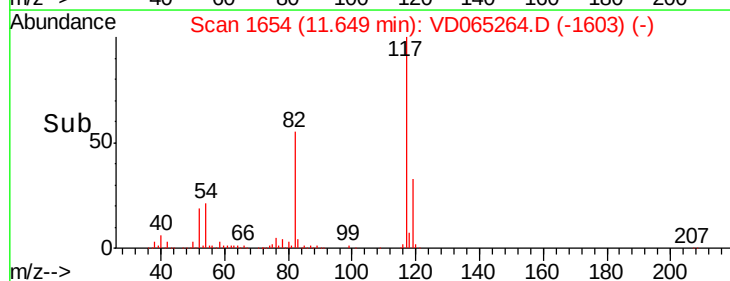
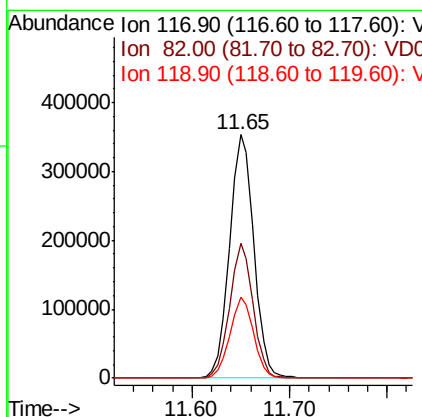
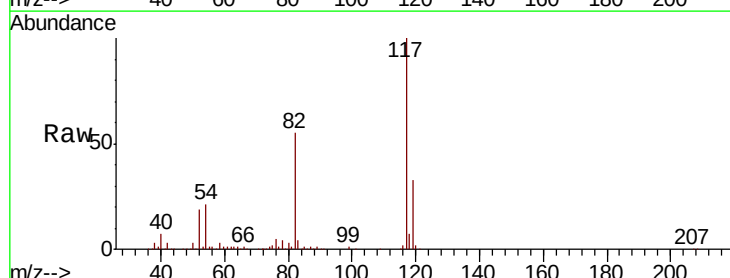
Instrument :
MSVOA_D
ClientSampleId :

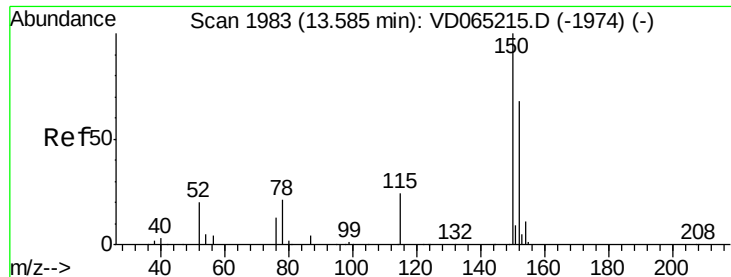
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.0
176	86.2	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065264.D
Acq: 20 Feb 2020 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.7	64.1
119	33.4	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065264.D

Acq: 20 Feb 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

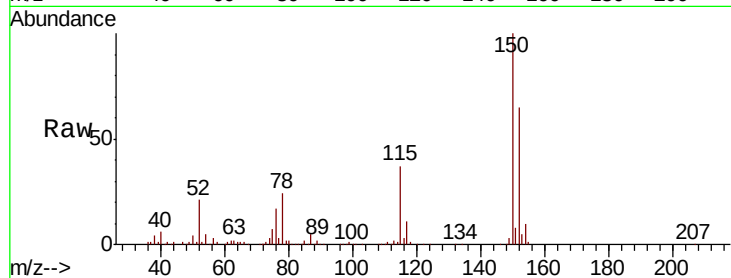
Tot Ion:152 Resp: 266051

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.8

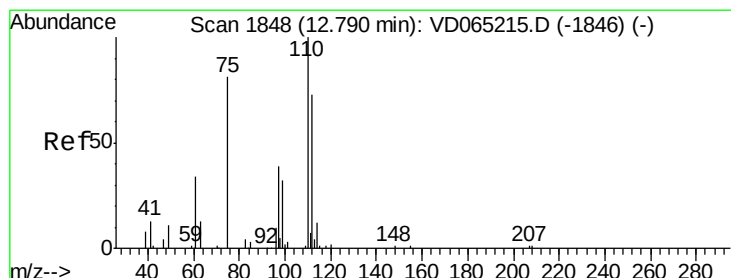
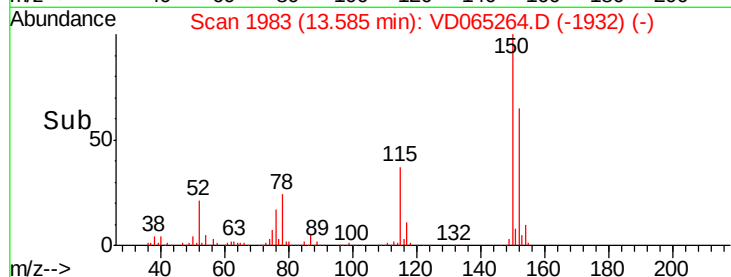
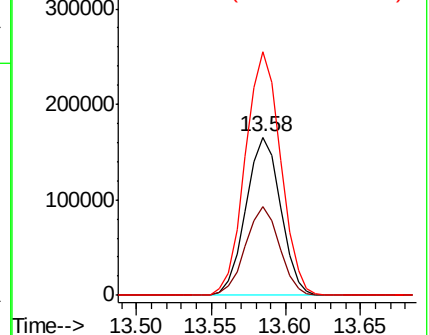
150 156.9 0.0 347.4



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: 52.280 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065264.D

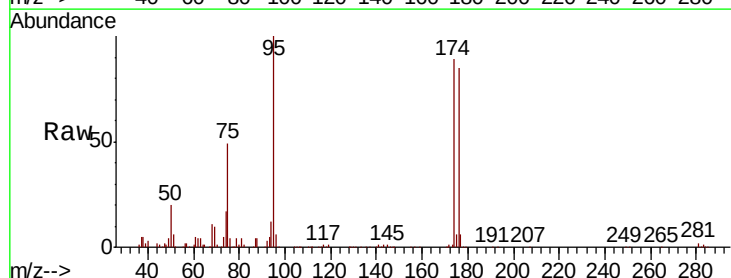
Acq: 20 Feb 2020 19:21

Tgt Ion: 75 Resp: 118344

Ion Ratio Lower Upper

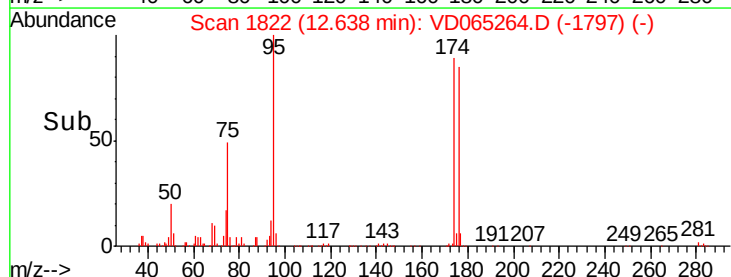
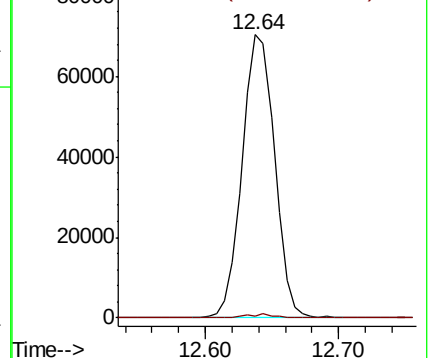
75 100

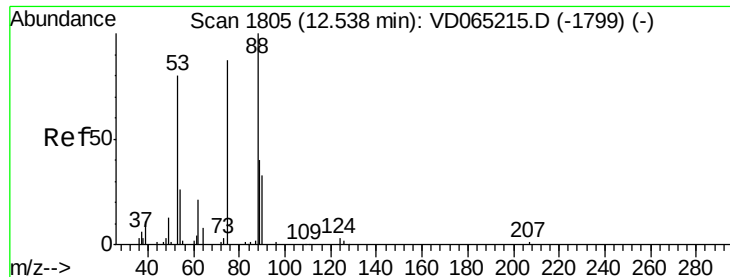
77 1.2 0.0 0.0#



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: 112.883 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065264.D
 Acq: 20 Feb 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 118344
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.6 116.4#
 89 0.0 37.2 55.8#

