

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064400.D
 Acq On : 27 Nov 2019 16:58
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:27:03 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	514196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	231027	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.92	113	237858	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.34	98	904097	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.64	95	287728	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	5022	1.078 ug/l	92
3) Chloromethane	2.21	50	6305	1.073 ug/l	91
5) Bromomethane	2.77	94	6485	1.292 ug/l	87
7) Trichlorofluoromethane	3.27	101	12821	1.137 ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.08	101	6067	1.254 ug/l	93
11) Tert butyl alcohol	5.26	59	451	1.522 ug/l #	100
12) 1,1-Dichloroethene	4.06	96	6411	1.383 ug/l #	74
13) Acrolein	3.93	56	1240	3.069 ug/l	100
15) Acrylonitrile	5.44	53	2031	1.982 ug/l #	84
16) Acetone	4.17	43	2050	2.180 ug/l #	87
17) Carbon Disulfide	4.41	76	15527	1.058 ug/l #	89
20) Methylene Chloride	4.97	84	9198	Below Cal	95
23) Vinyl Acetate	6.31	43	9446	1.122 ug/l #	84
25) 2-Butanone	7.23	43	3581	2.692 ug/l #	82
30) Chloroform	7.71	83	12948	1.456 ug/l	94
31) Cyclohexane	7.99	56	20084	Below Cal #	65
36) 1,1-Dichloropropene	8.11	75	9336	1.317 ug/l	98
39) Methylcyclohexane	9.35	83	11304	1.286 ug/l	97
49) 1,4-Dioxane	9.47	88	58	1.767 ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	3461	1.183 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	2934	1.586 ug/l #	82
59) 2-Hexanone	10.98	43	2677	1.318 ug/l	94
64) Tetrachloroethene	10.88	164	5659	1.157 ug/l	87
68) m/p-Xylenes	11.86	106	16368	1.803 ug/l	94
73) Isopropylbenzene	12.48	105	22408	1.011 ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	150263	59.287 ug/l #	100
78) n-propylbenzene	12.83	91	27150	1.062 ug/l	98
79) 2-Chlorotoluene	12.91	91	14098	1.002 ug/l	95
81) trans-1,4-Dichloro-2-buten	12.64	75	150263	129.277 ug/l #	9
83) tert-Butylbenzene	13.23	119	17258	1.096 ug/l	99
85) sec-Butylbenzene	13.41	105	23910	1.106 ug/l	96
89) n-Butylbenzene	13.85	91	19093	1.030 ug/l	98
90) Hexachloroethane	14.12	117	3945	1.034 ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	638	Below Cal	80

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

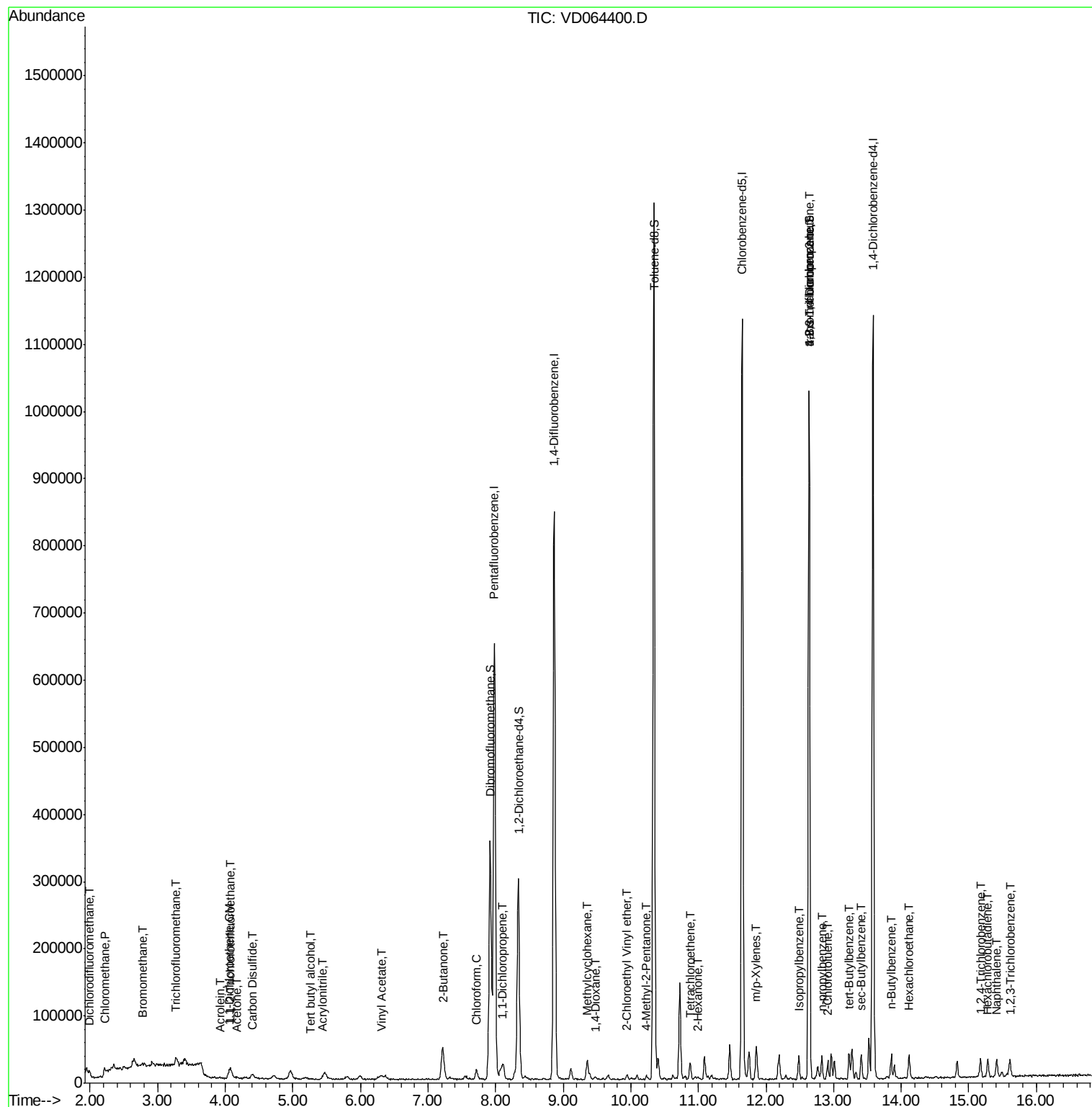
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9645	1.418	ug/l	99
94) Hexachlorobutadiene	15.28	225	5735	1.366	ug/l	96
95) Naphthalene	15.41	128	21671	1.910	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	9695	1.670	ug/l	96

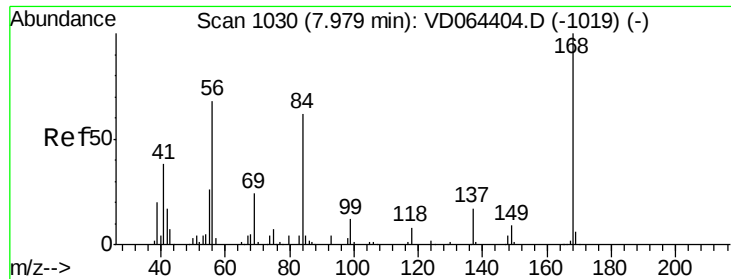
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

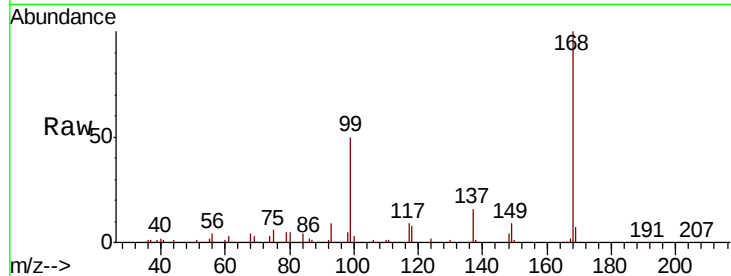
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 514196

Ion Ratio Lower Upper

168 100

99 50.1 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

250000

200000

150000

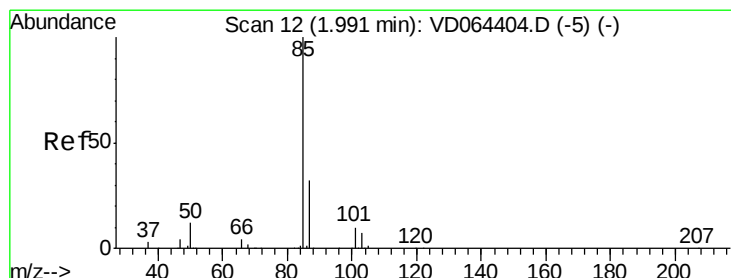
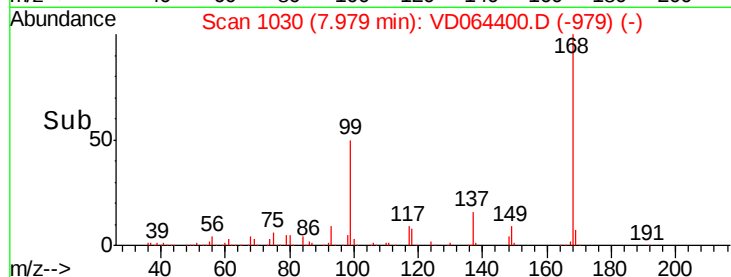
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 1.078 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064400.D

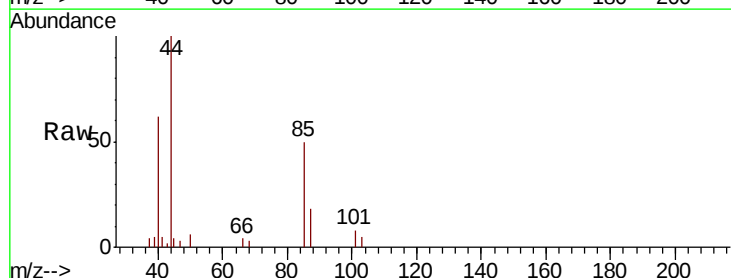
Acq: 27 Nov 2019 16:58

Tgt Ion: 85 Resp: 5022

Ion Ratio Lower Upper

85 100

87 36.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

3000

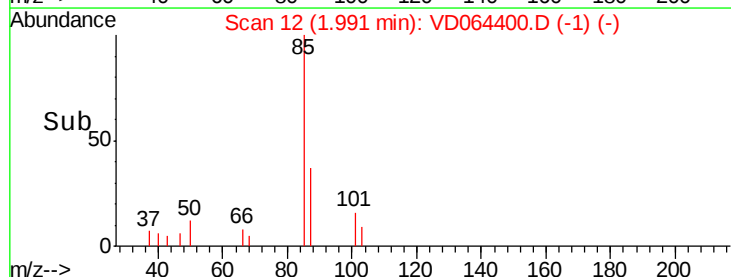
2000

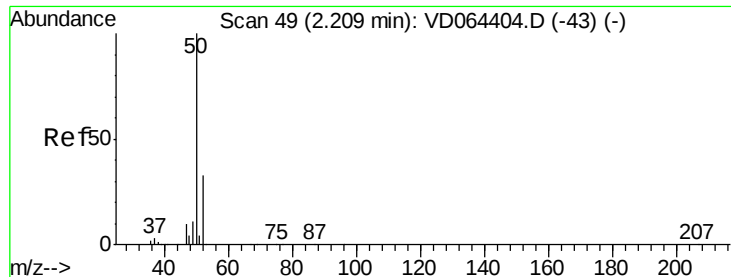
1000

0

Time-->

1.95 2.00





#3

Chloromethane

Concen: 1.073 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

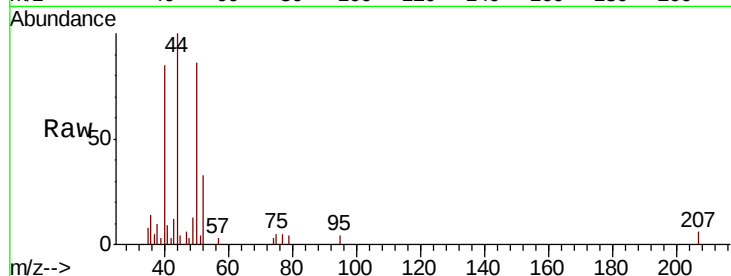
ClientSampleId :

Tot Ion: 50 Resp: 6305

Ion Ratio Lower Upper

50 100

52 38.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

4000

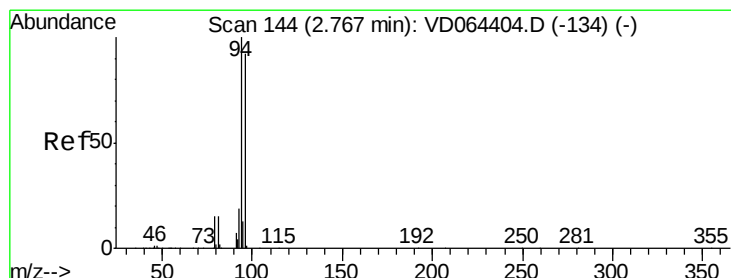
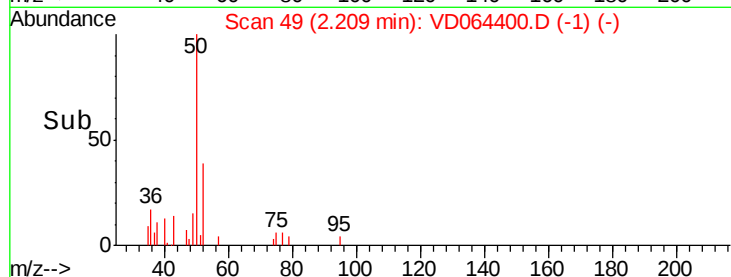
3000

2000

1000

0

Time--> 2.15 2.20 2.25



#5

Bromomethane

Concen: 1.292 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064400.D

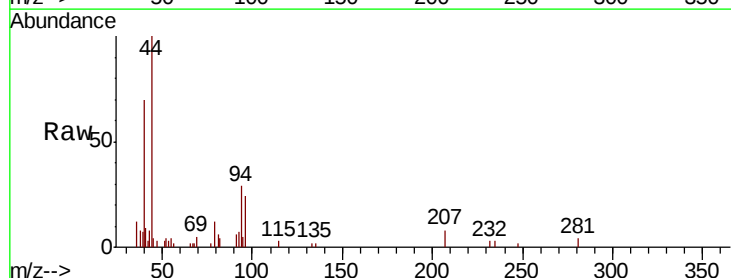
Acq: 27 Nov 2019 16:58

Tgt Ion: 94 Resp: 6485

Ion Ratio Lower Upper

94 100

96 79.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

2500

2000

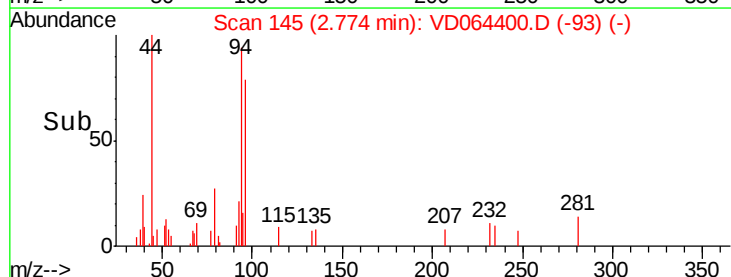
1500

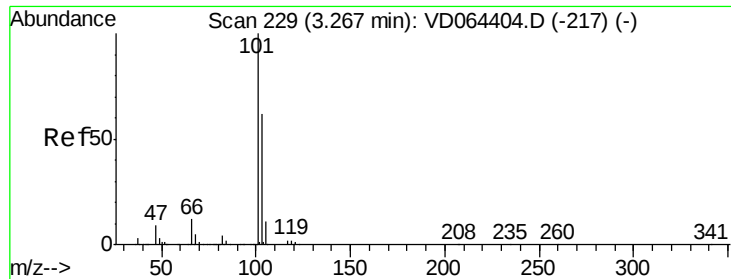
1000

500

0

Time--> 2.70 2.75 2.80 2.85





#7

Trichlorofluoromethane

Concen: 1.137 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

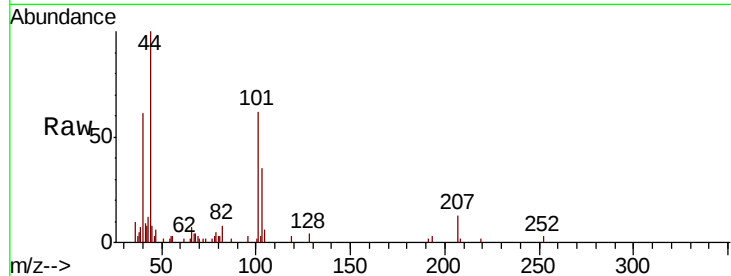
ClientSampled :

Tot Ion:101 Resp: 12821

Ion Ratio Lower Upper

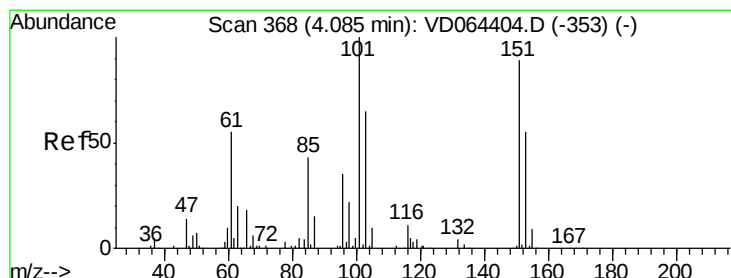
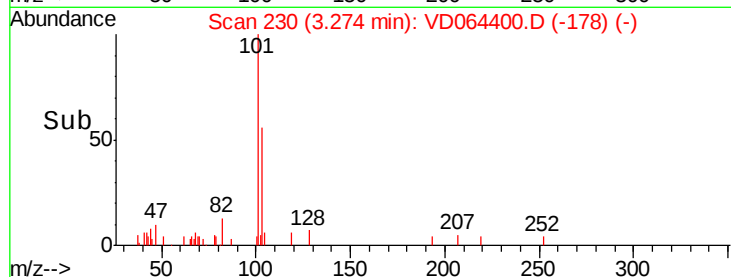
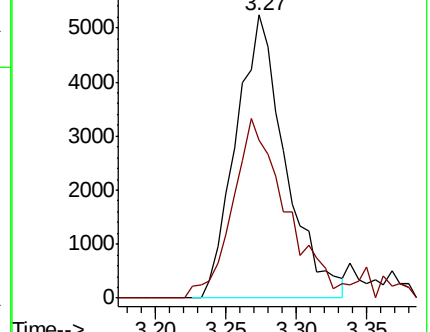
101 100

103 51.5 49.8 74.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.254 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

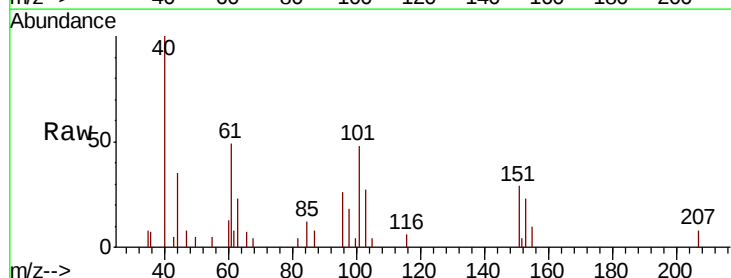
Tgt Ion:101 Resp: 6067

Ion Ratio Lower Upper

101 100

85 37.5 34.8 52.2

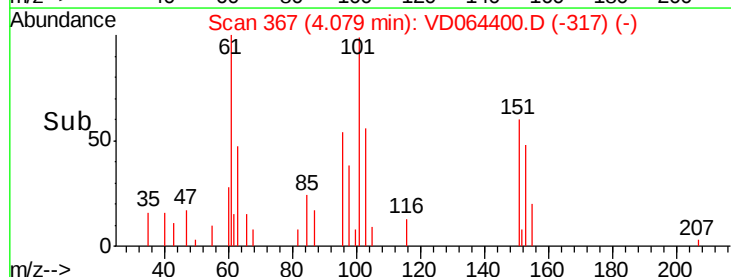
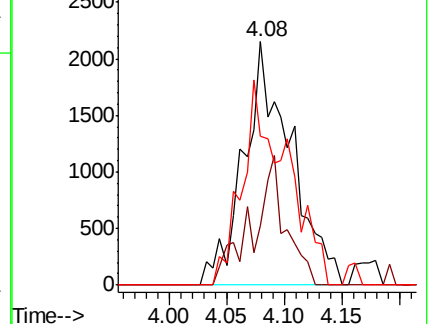
151 80.1 68.8 103.2

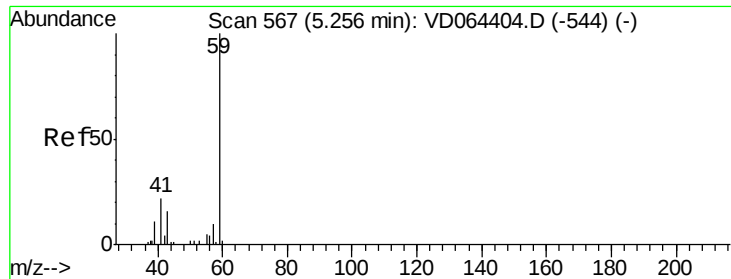


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



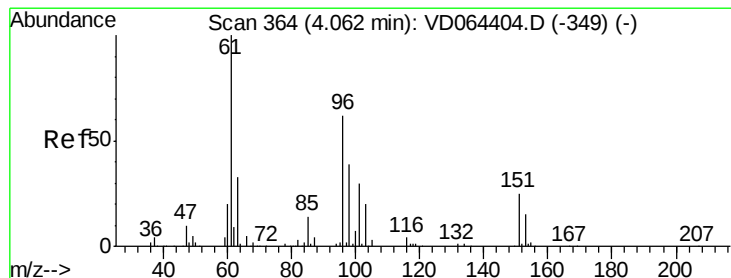
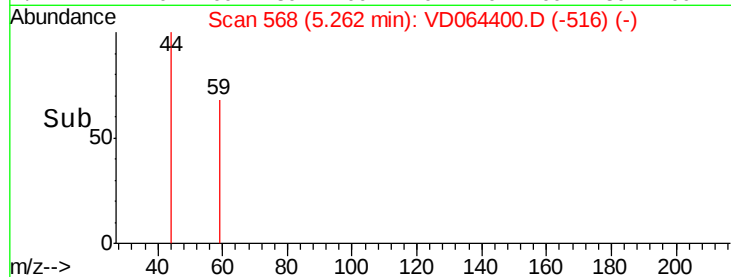
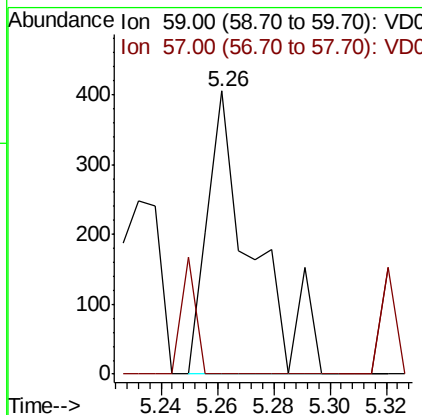
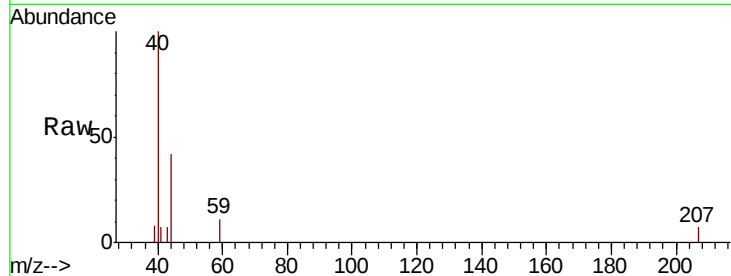


#11

Tert butyl alcohol
 Concen: 1.522 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Instrument :
 MSVOA_D
 ClientSampled :

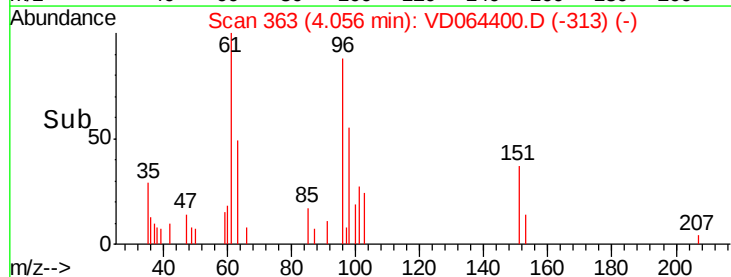
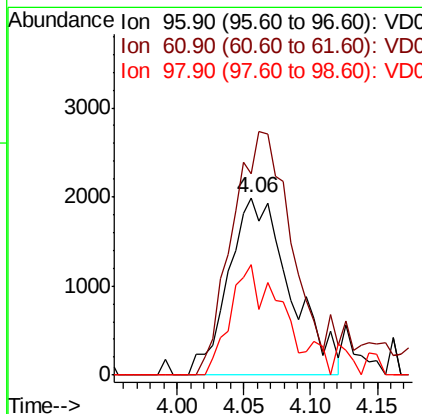
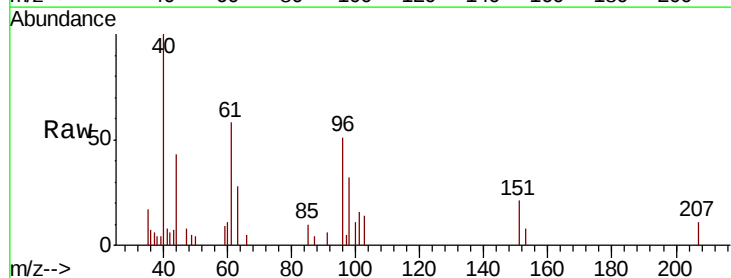
Tot Ion: 59 Resp: 451
 Ion Ratio Lower Upper
 59 100
 57 13.1 0.0 0.0#

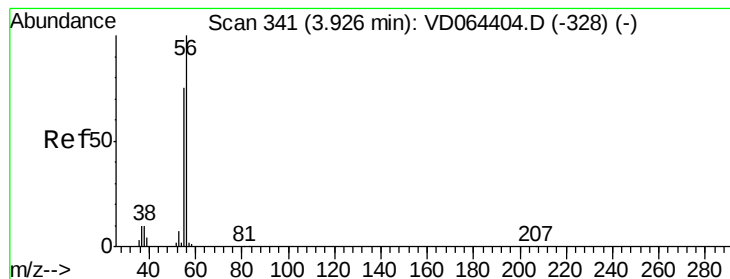


#12

1,1-Dichloroethene
 Concen: 1.383 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Tgt Ion: 96 Resp: 6411
 Ion Ratio Lower Upper
 96 100
 61 113.6 128.2 192.4#
 98 62.0 50.4 75.6





#13

Acrolein

Concen: 3.069 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

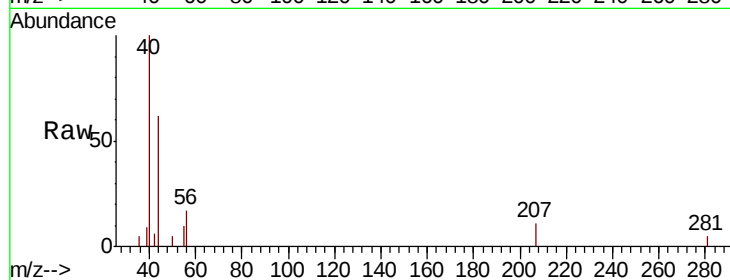
ClientSampleId :

Tot Ion: 56 Resp: 1240

Ion Ratio Lower Upper

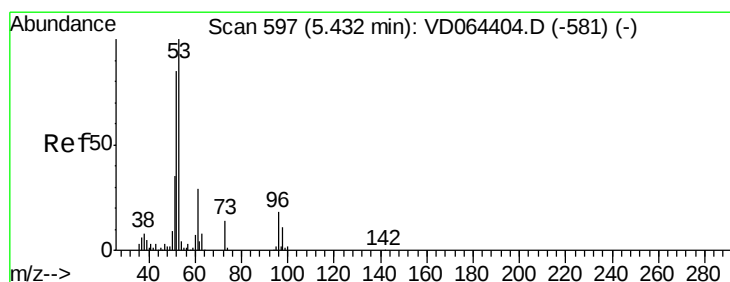
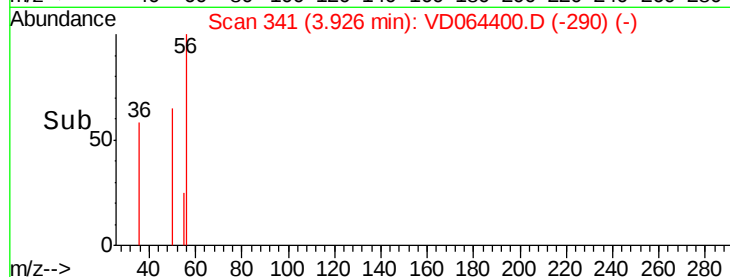
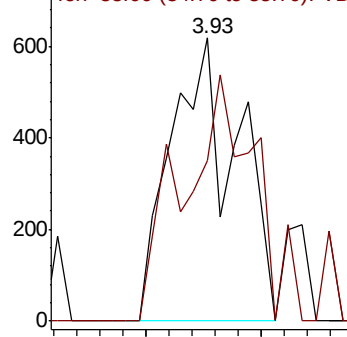
56 100

55 71.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.982 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

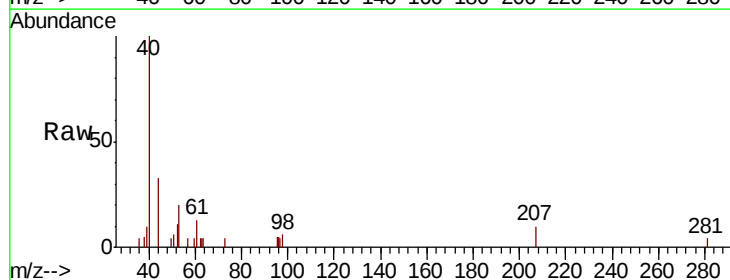
Tgt Ion: 53 Resp: 2031

Ion Ratio Lower Upper

53 100

52 97.8 67.9 101.9

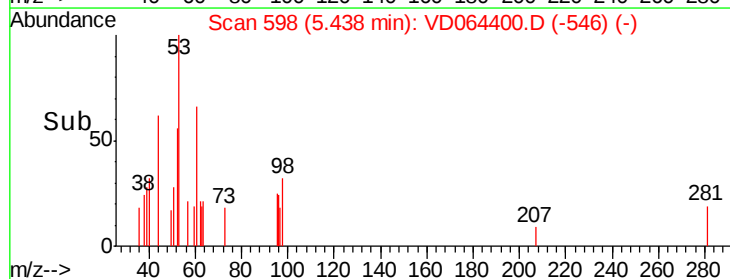
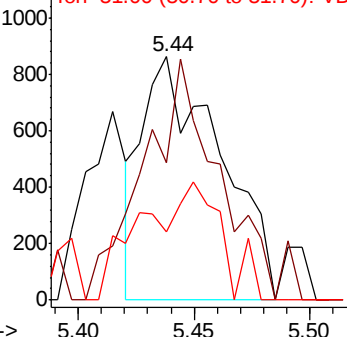
51 50.8 30.6 45.8#

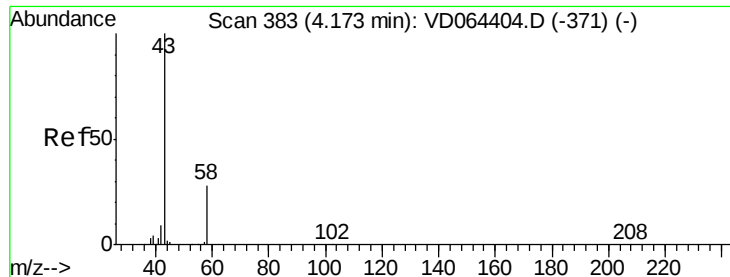


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 2.180 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

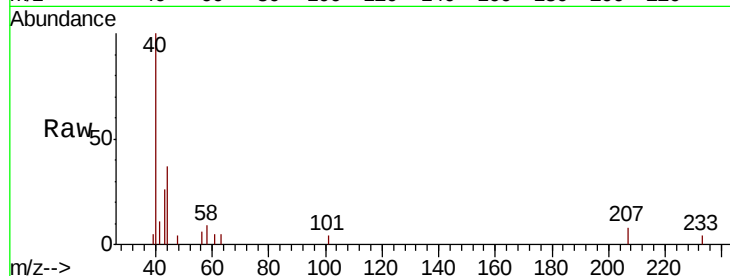
ClientSampleId :

Tot Ion: 43 Resp: 2050

Ion Ratio Lower Upper

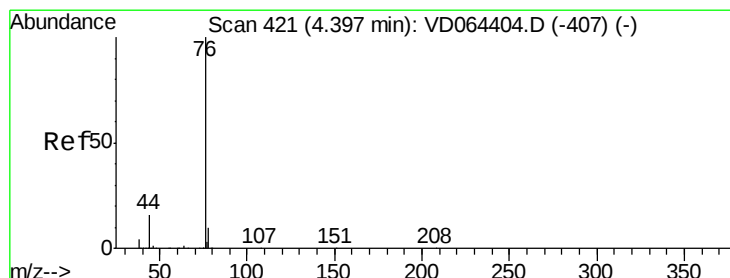
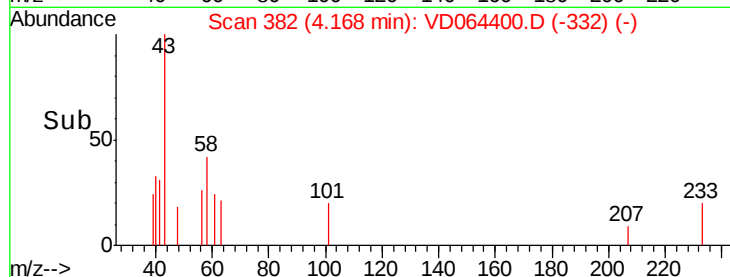
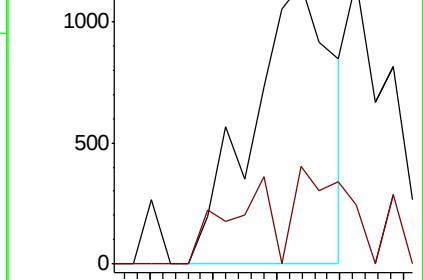
43 100

58 34.8 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.058 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064400.D

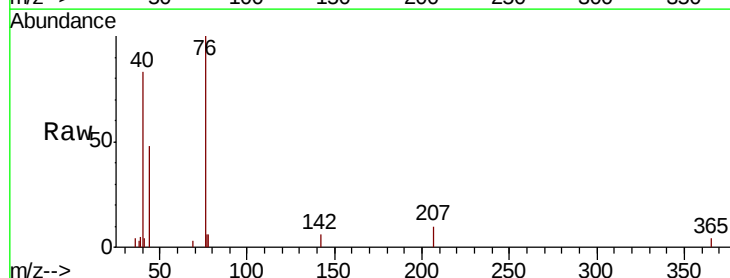
Acq: 27 Nov 2019 16:58

Tgt Ion: 76 Resp: 15527

Ion Ratio Lower Upper

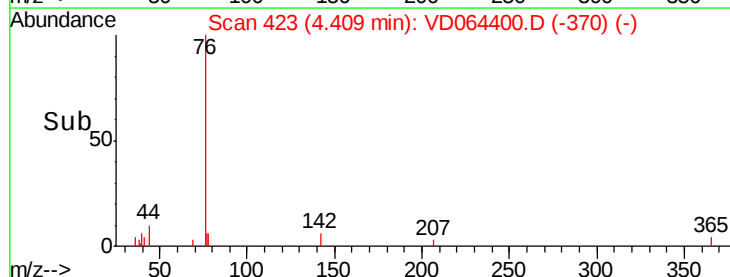
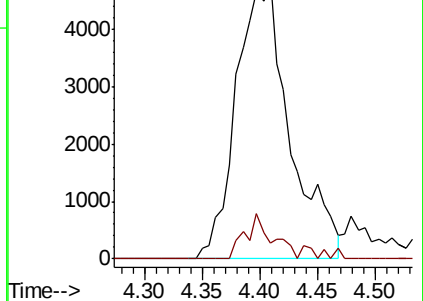
76 100

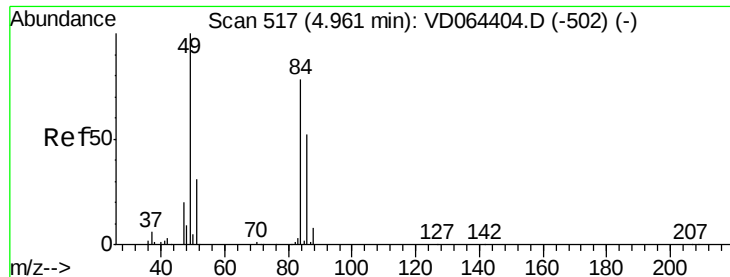
78 5.7 7.8 11.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



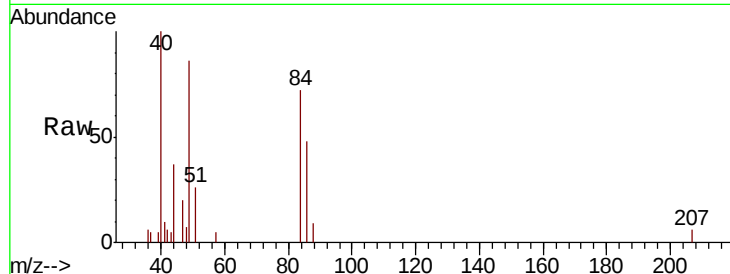


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:	84	Resp:	9198
Ion	Ratio	Lower	Upper
84	100		
49	120.5	102.6	153.8
51	36.5	32.0	48.0
86	67.5	53.4	80.0



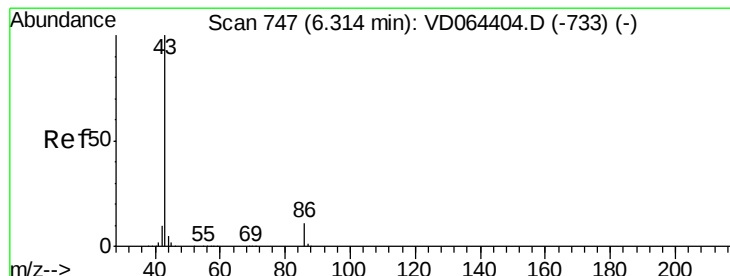
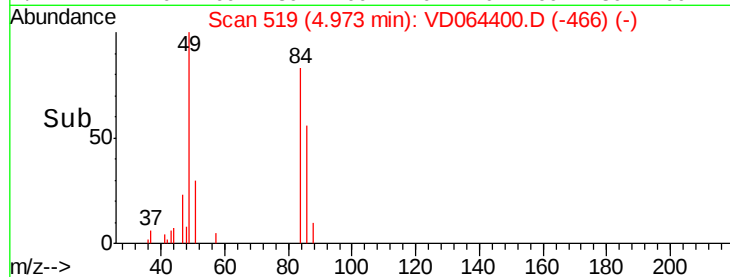
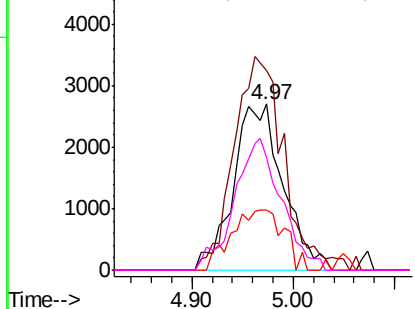
Abundance

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

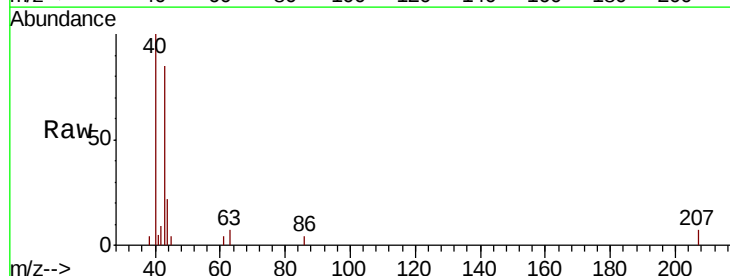
Ion 85.90 (85.60 to 86.60): VDC



#23

Vinyl Acetate
 Concen: 1.122 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

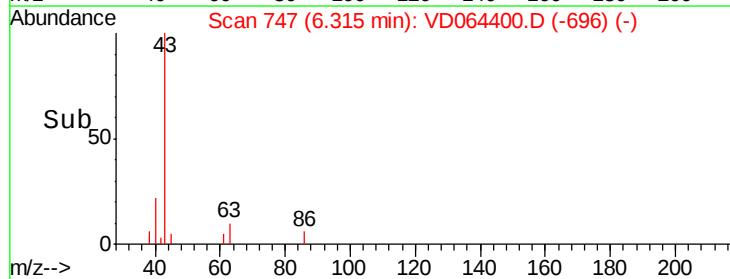
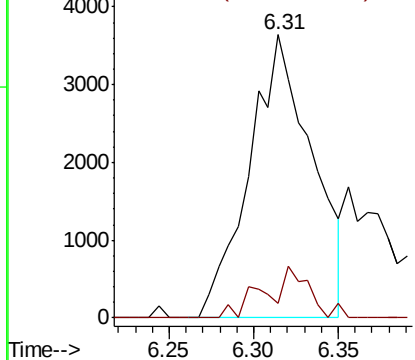
Tgt Ion:	43	Resp:	9446
Ion	Ratio	Lower	Upper
43	100		
86	5.0	8.9	13.3#

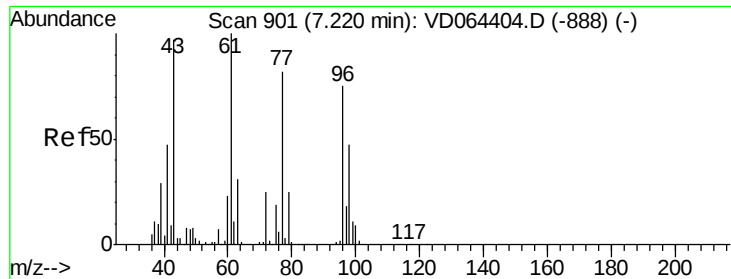


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 2.692 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

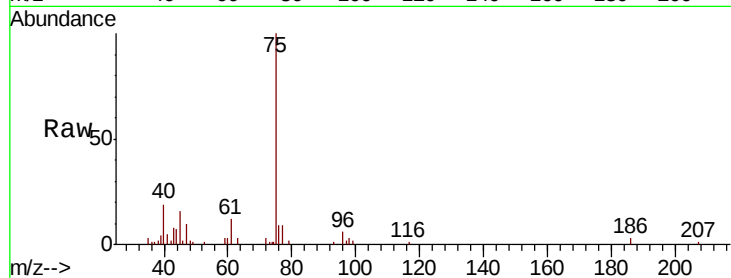
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3581

Ion Ratio Lower Upper

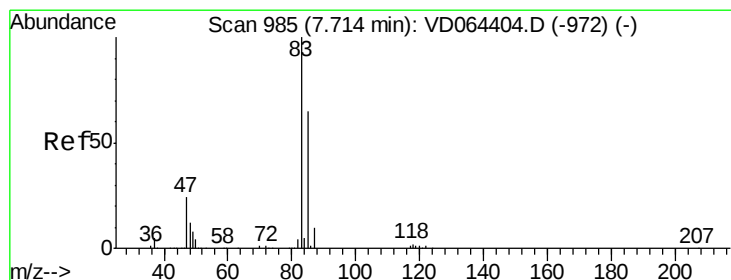
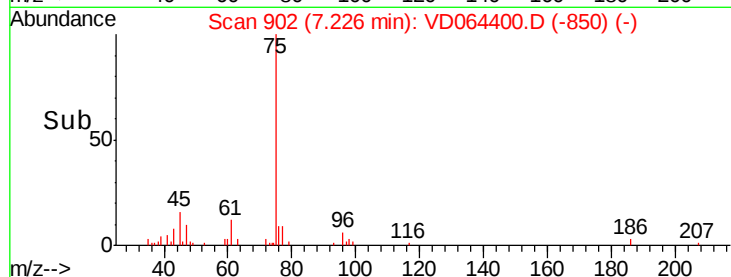
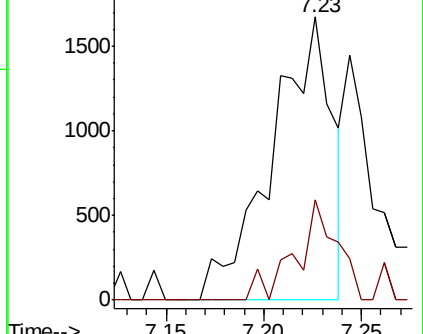
43 100

72 35.6 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.456 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064400.D

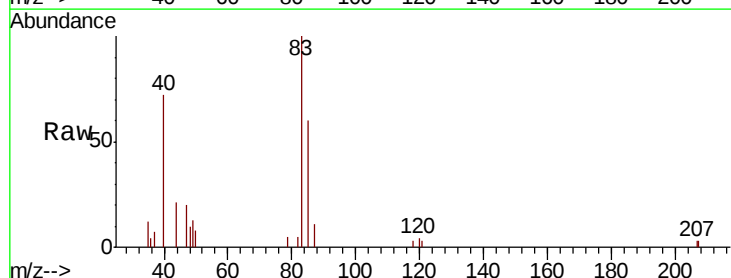
Acq: 27 Nov 2019 16:58

Tgt Ion: 83 Resp: 12948

Ion Ratio Lower Upper

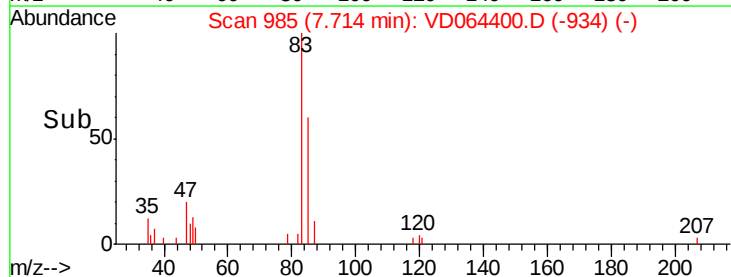
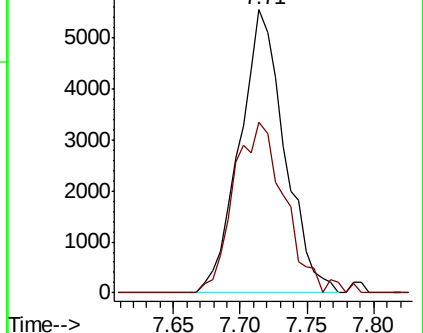
83 100

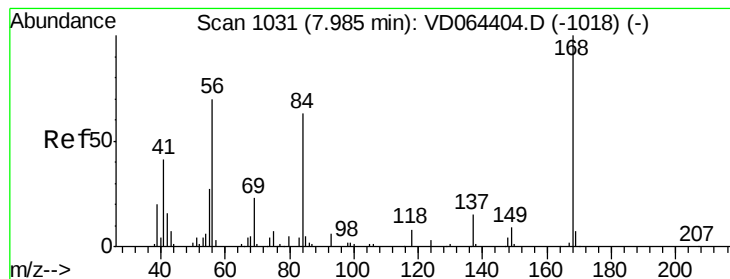
85 60.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

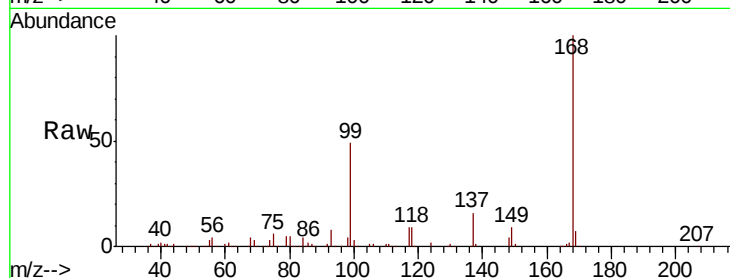
Tot Ion: 56 Resp: 20084

Ion Ratio Lower Upper

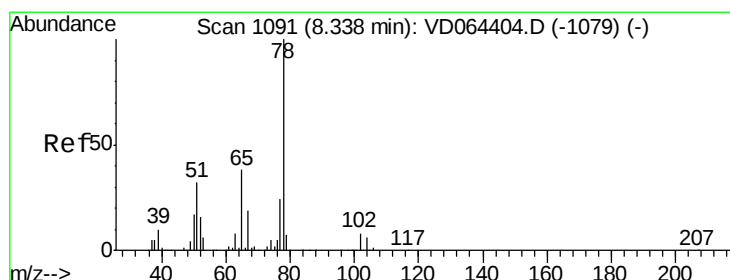
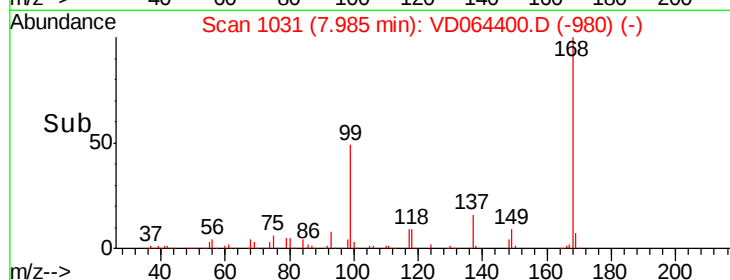
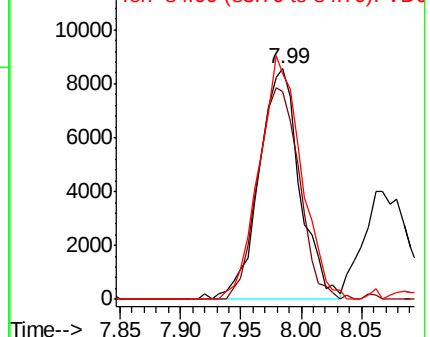
56 100

69 90.0 26.2 39.4#

84 97.8 70.3 105.5



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: 49.638 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064400.D

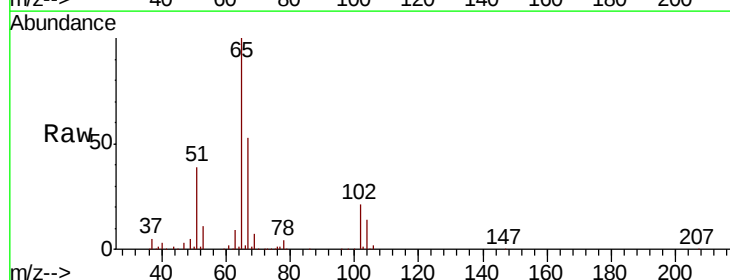
Acq: 27 Nov 2019 16:58

Tgt Ion: 65 Resp: 231027

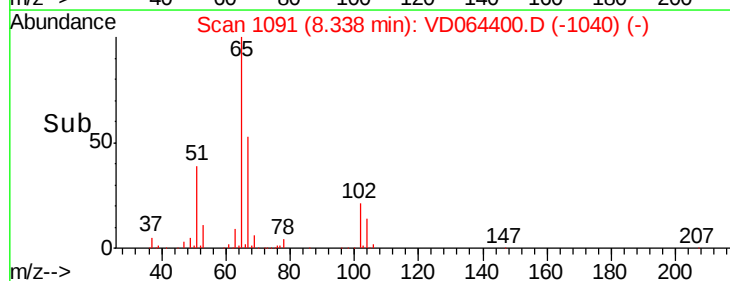
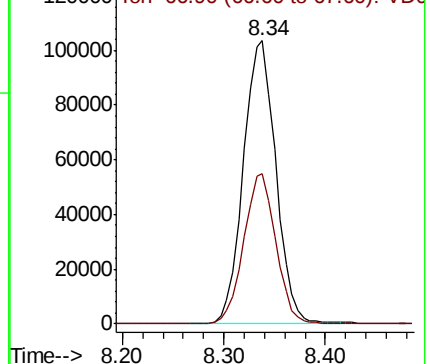
Ion Ratio Lower Upper

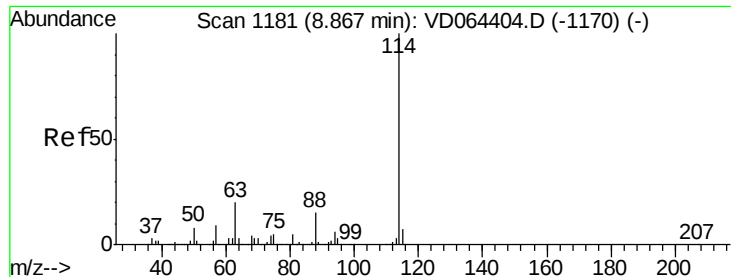
65 100

67 52.4 0.0 102.0



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

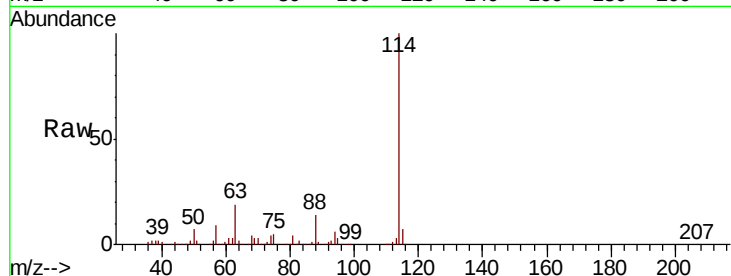




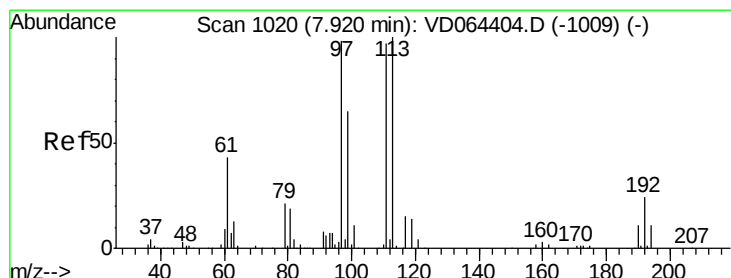
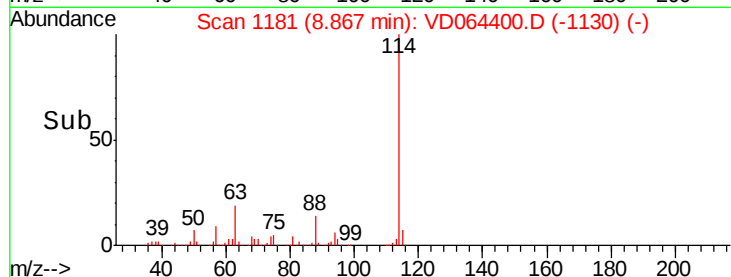
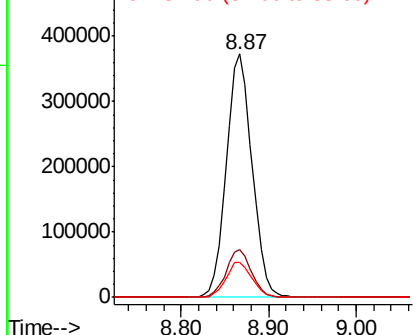
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	14.4	0.0	29.2

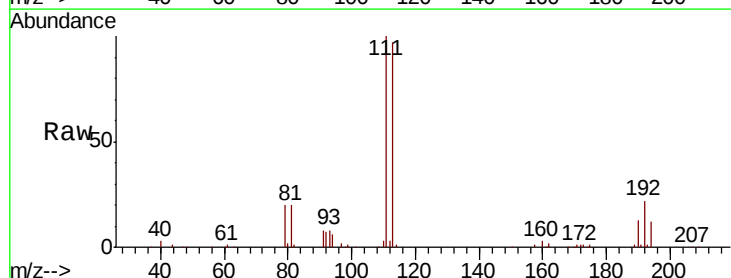


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

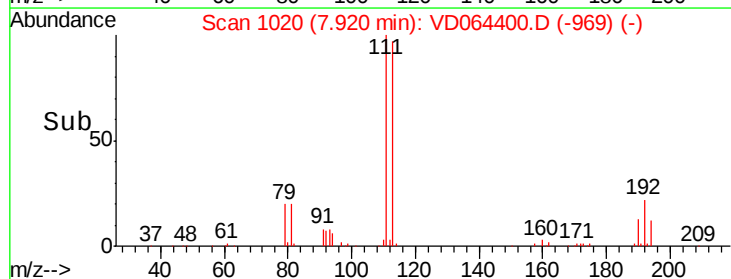
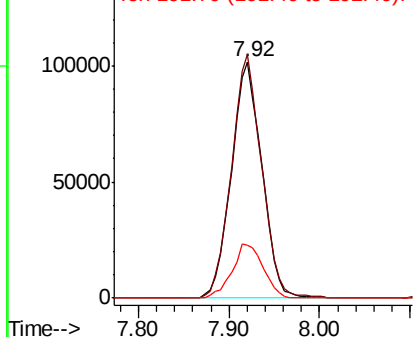


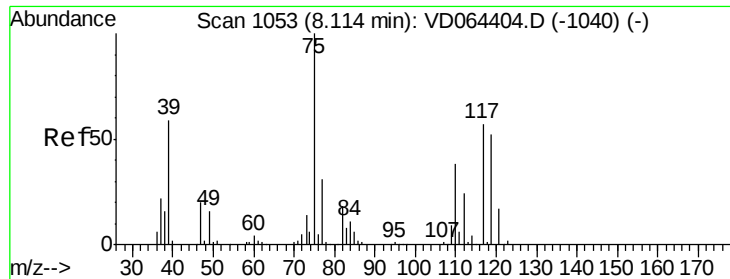
#35
 Dibromofluoromethane
 Concen: 50.374 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	79.4	119.2
192	23.4	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

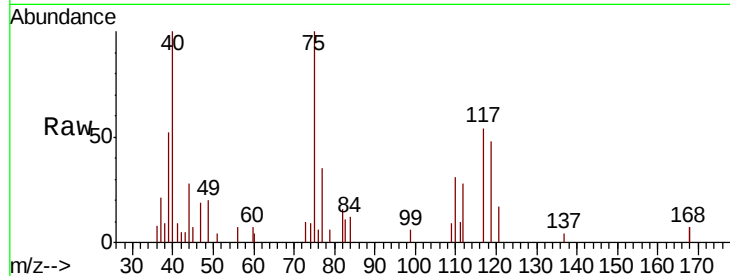




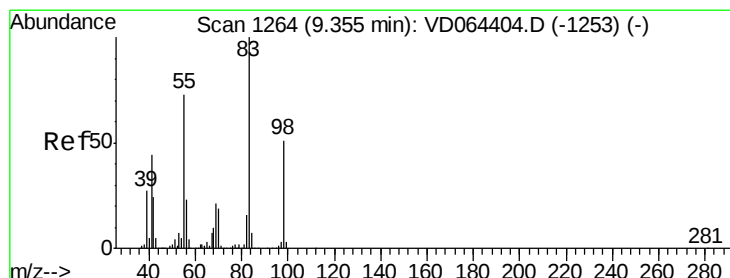
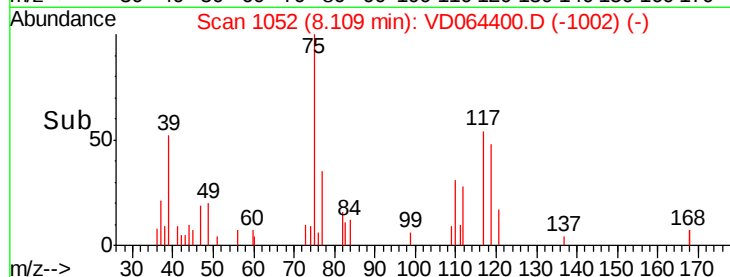
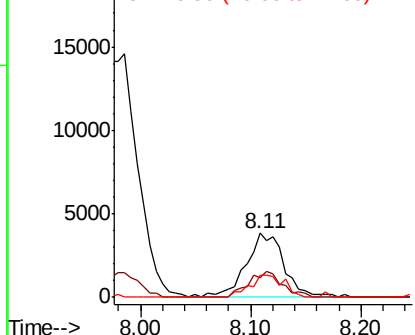
#36
 1,1-Dichloropropene
 Concen: 1.317 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.6	55.8
77	31.6	25.0	37.4

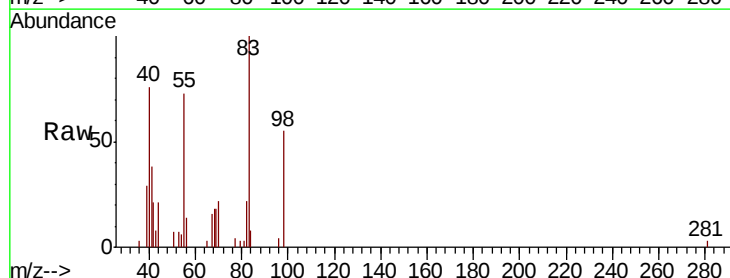


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

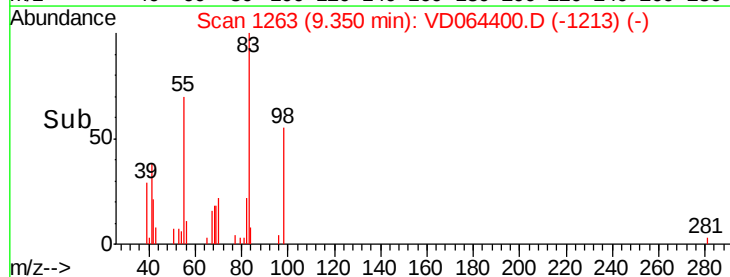
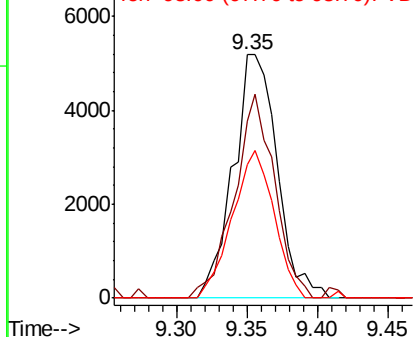


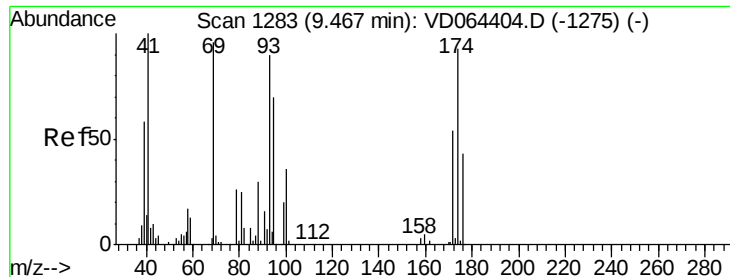
#39
 Methylcyclohexane
 Concen: 1.286 ug/l
 RT: 9.35 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.6	87.8
98	54.9	40.9	61.3



Abundance Ion 83.00 (82.70 to 83.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC
 Ion 98.00 (97.70 to 98.70): VDC

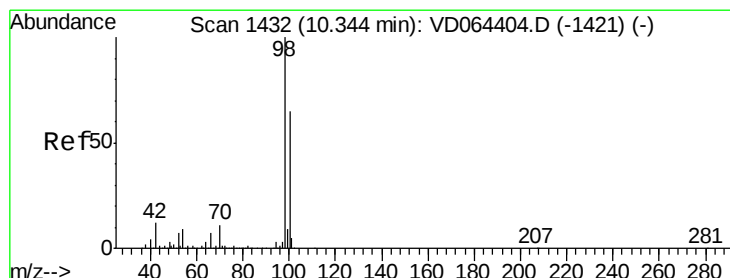
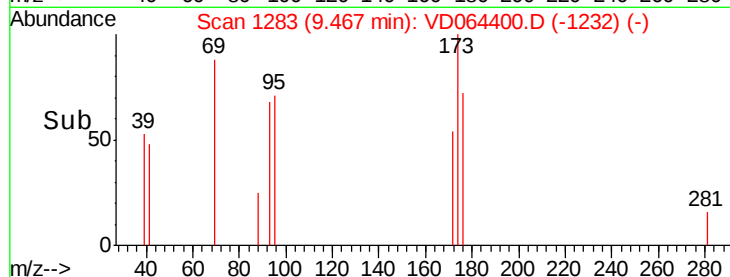
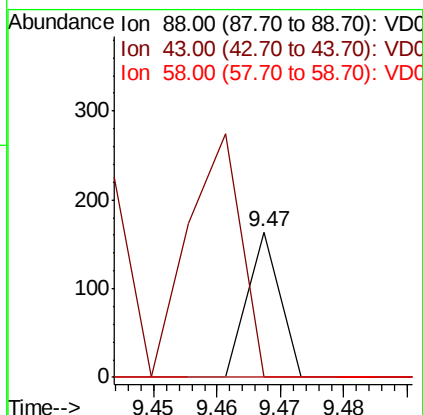
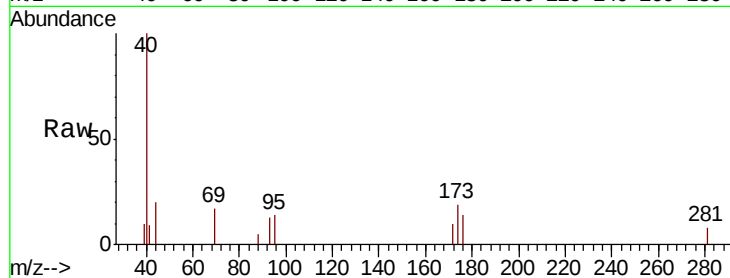




#49
1,4-Dioxane
Concen: 1.767 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

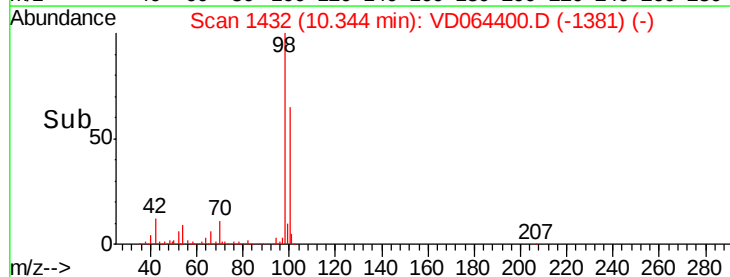
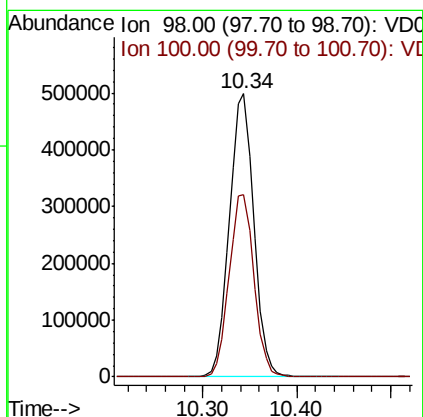
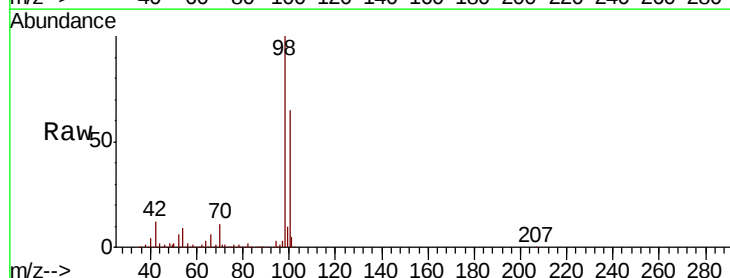
Instrument :
MSVOA_D
ClientSampled :

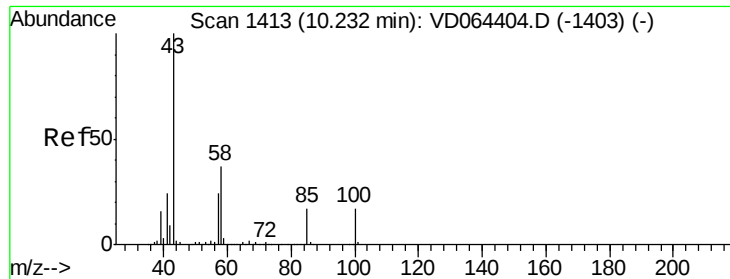
Tot Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 408.6 26.7 40.1#
58 0.0 52.3 78.5#



#50
Toluene-d8
Concen: 50.830 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion: 98 Resp: 904097
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0

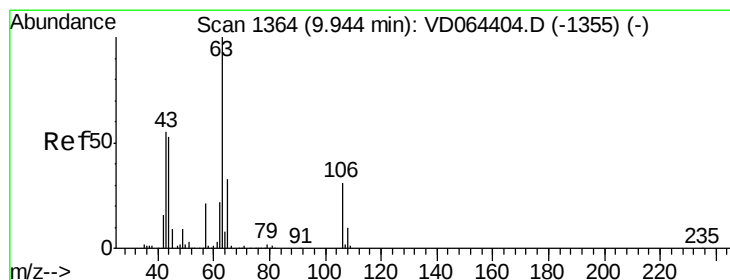
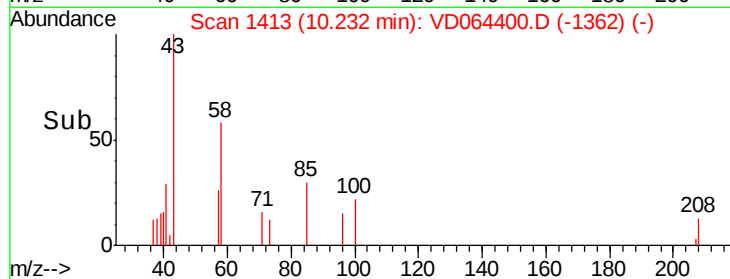
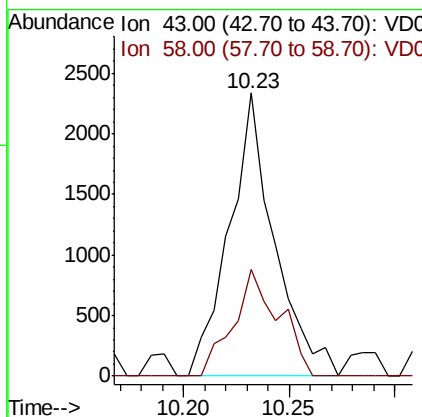
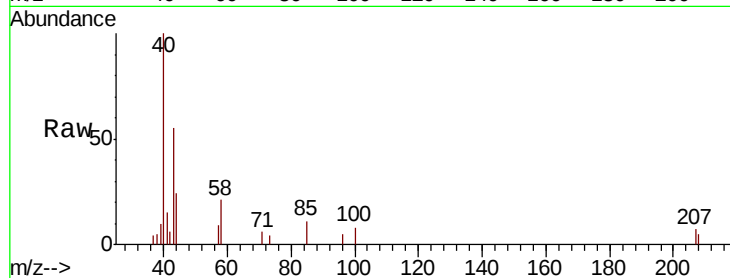




#51
4-Methyl-2-Pentanone
Concen: 1.183 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

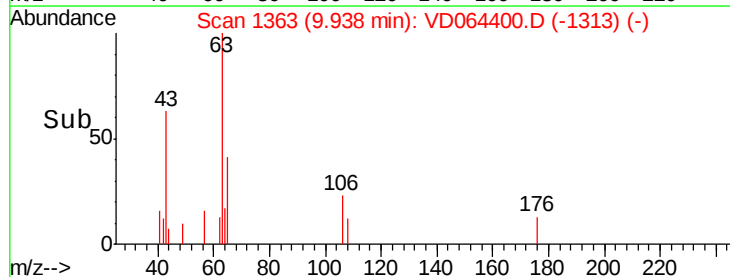
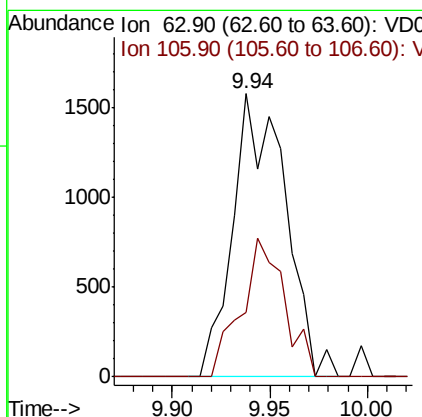
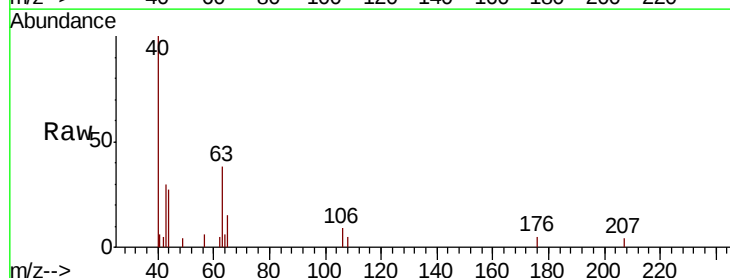
Instrument :
MSVOA_D
ClientSampleId :

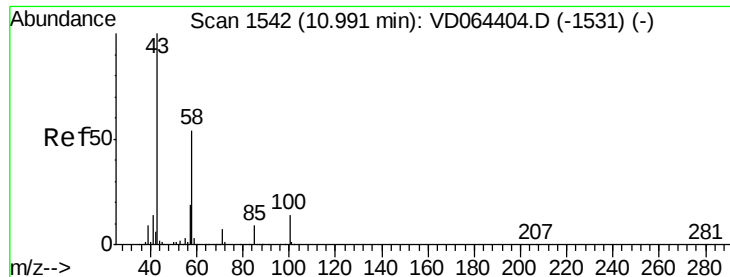
Tot Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
58 38.2 30.6 46.0



#58
2-Chloroethyl Vinyl ether
Concen: 1.586 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion: 63 Resp: 2934
Ion Ratio Lower Upper
63 100
106 40.4 24.2 36.4#

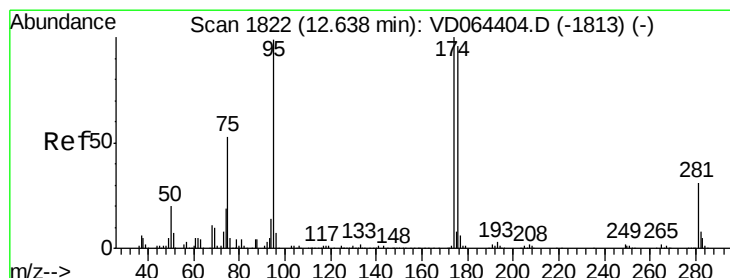
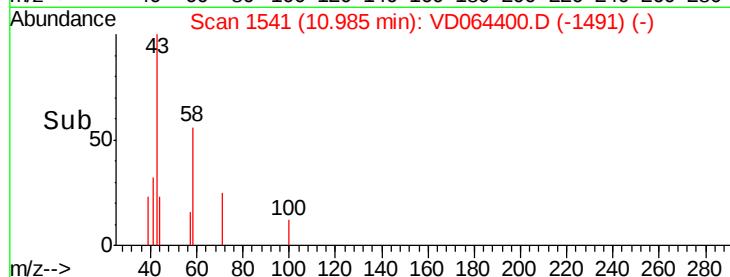
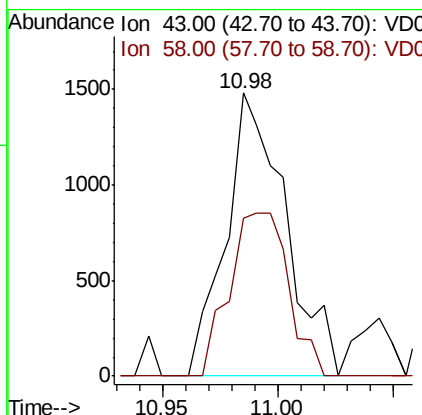
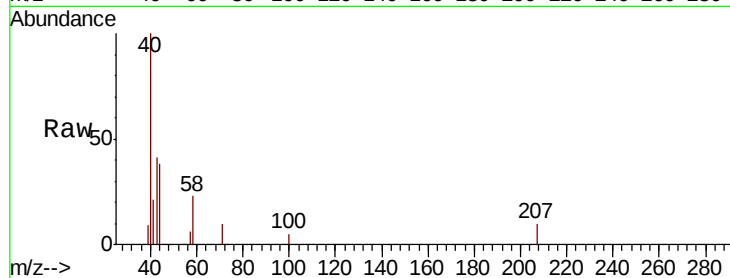




#59
2-Hexanone
Concen: 1.318 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

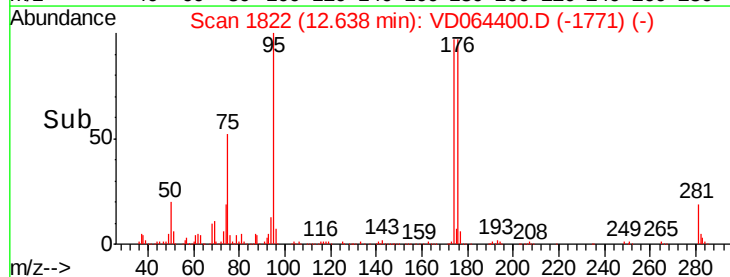
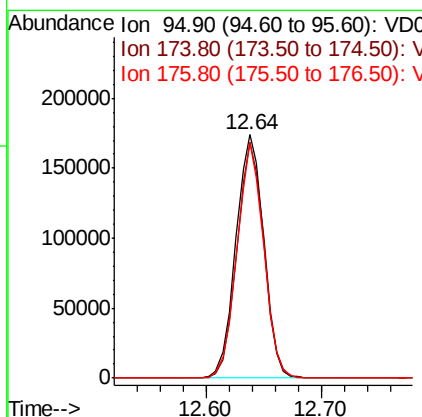
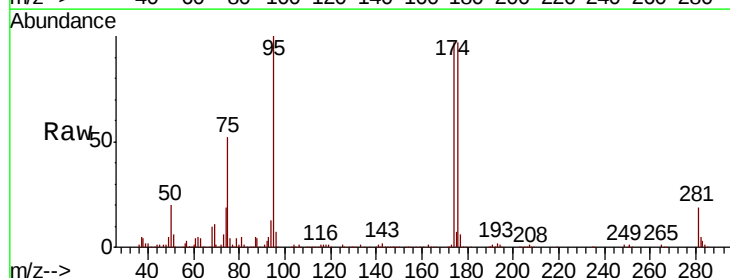
Instrument :
MSVOA_D
ClientSampleId :

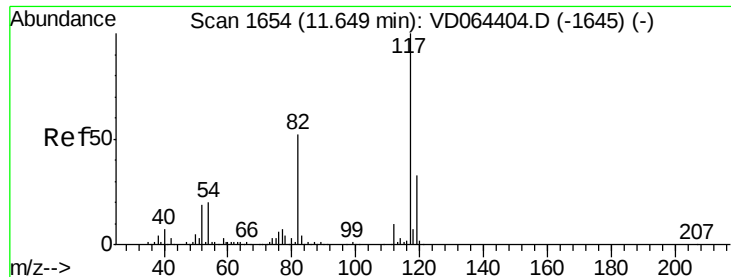
Tot Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
58 57.0 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 50.336 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion: 95 Resp: 287728
Ion Ratio Lower Upper
95 100
174 94.8 0.0 197.2
176 92.9 0.0 189.6

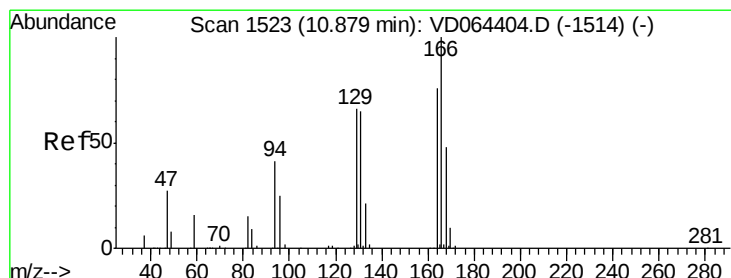
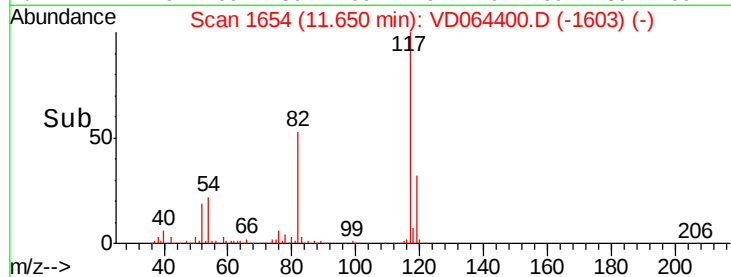
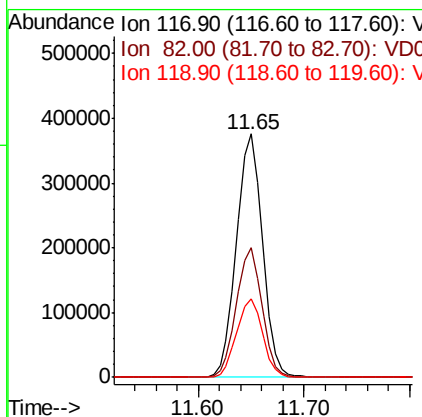
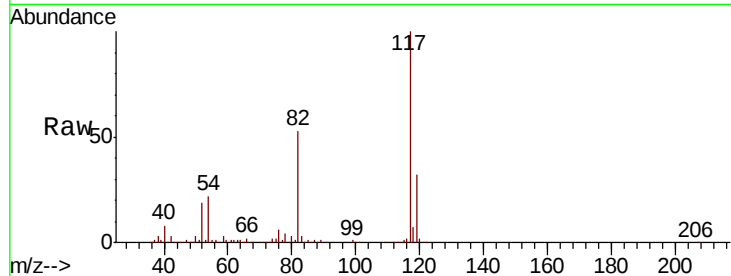




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

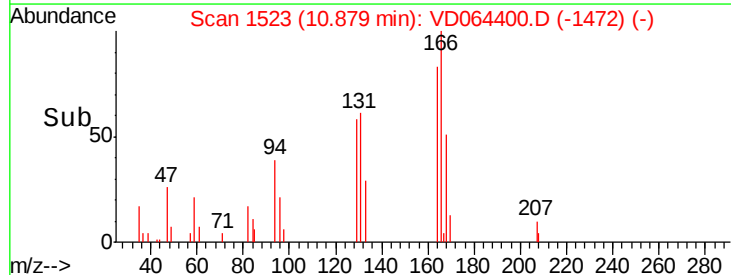
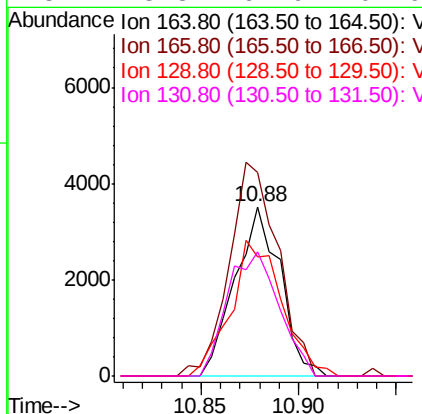
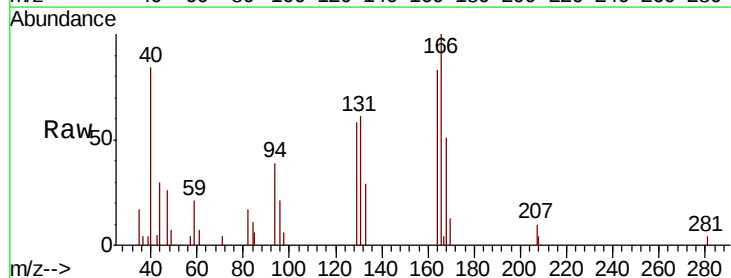
Instrument :
MSVOA_D
ClientSampled :

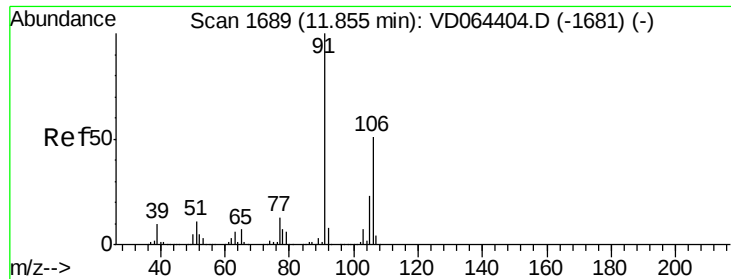
Tot Ion:117 Resp: 641599
Ion Ratio Lower Upper
117 100
82 53.5 41.4 62.2
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 1.157 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion:164 Resp: 5659
Ion Ratio Lower Upper
164 100
166 119.9 104.8 157.2
129 70.0 68.7 103.1
131 73.3 67.9 101.9

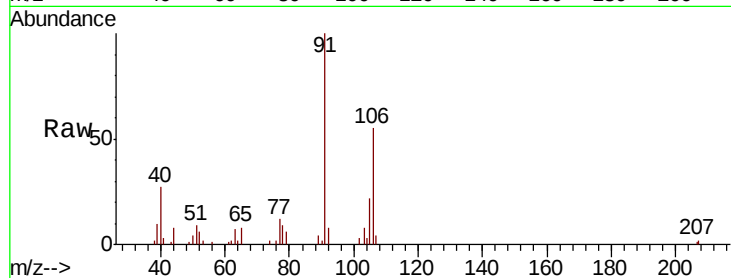




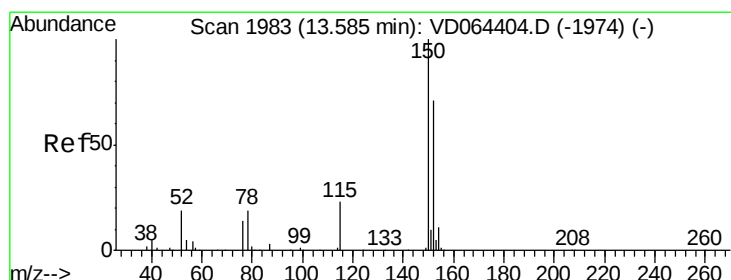
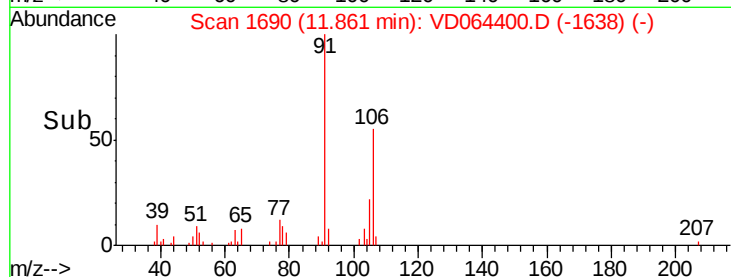
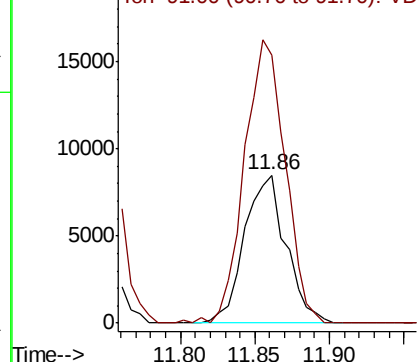
#68
m/p-Xvlenes
Concen: 1.803 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 16368
Ion Ratio Lower Upper
106 100
91 187.9 157.4 236.2

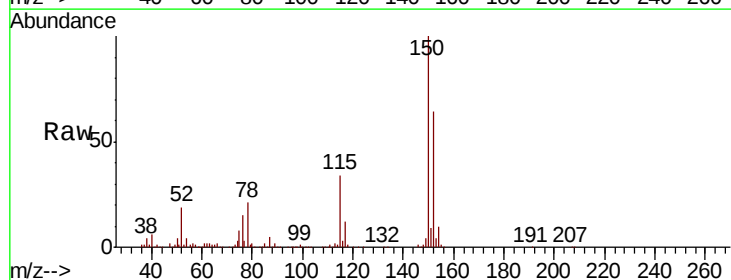


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

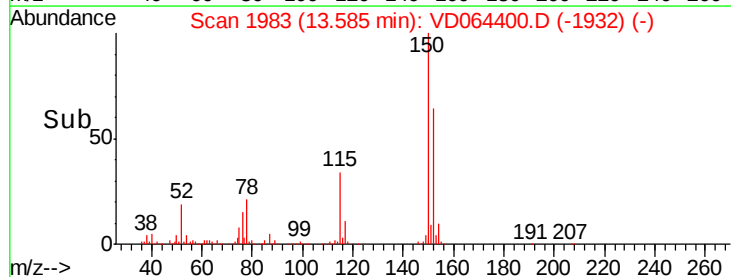
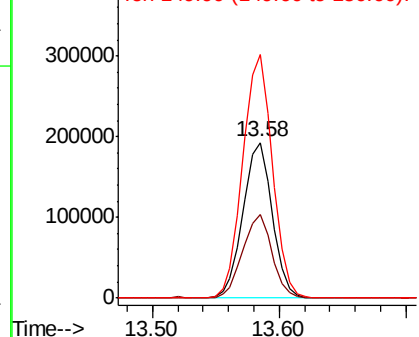


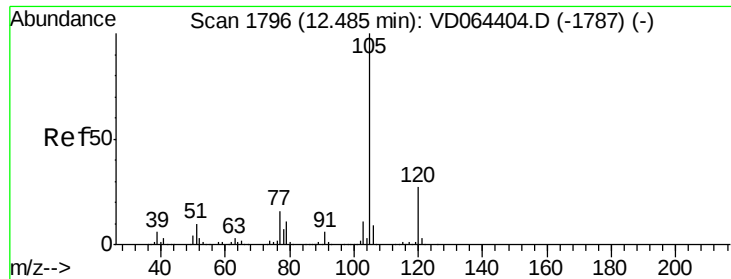
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion:152 Resp: 308195
Ion Ratio Lower Upper
152 100
115 53.9 26.7 80.1
150 159.0 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





#73

Isopropylbenzene

Concen: 1.011 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

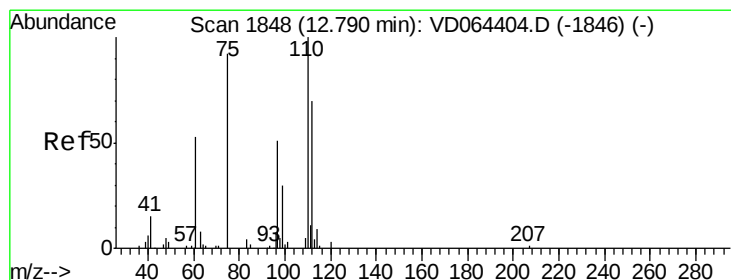
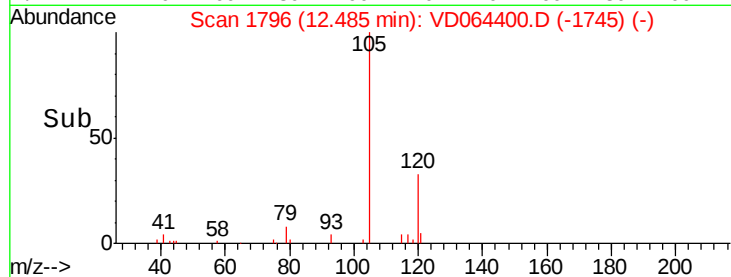
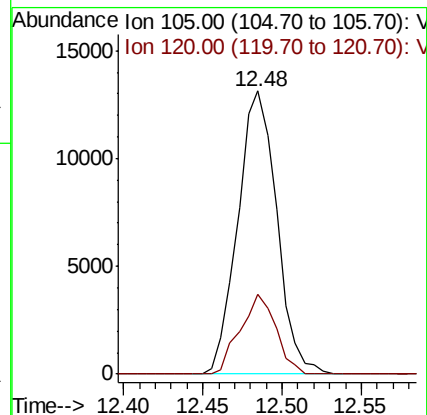
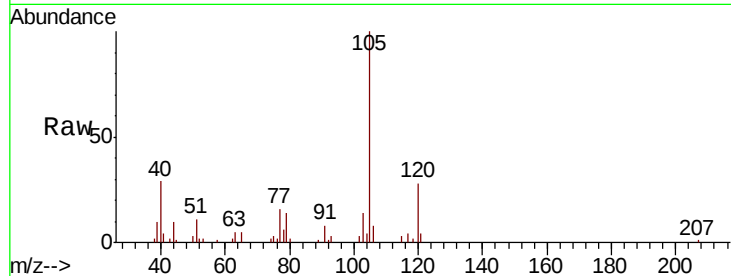
ClientSampleId :

Tot Ion:105 Resp: 22408

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.2



#76

1,2,3-Trichloropropane

Concen: 59.287 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064400.D

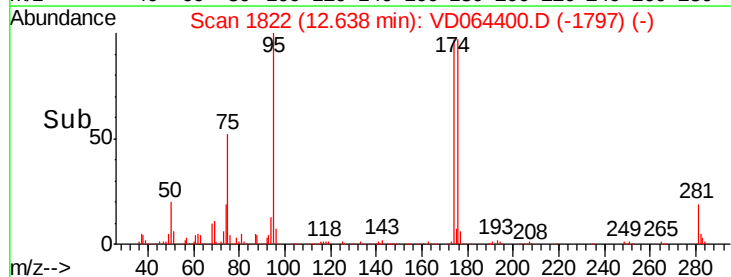
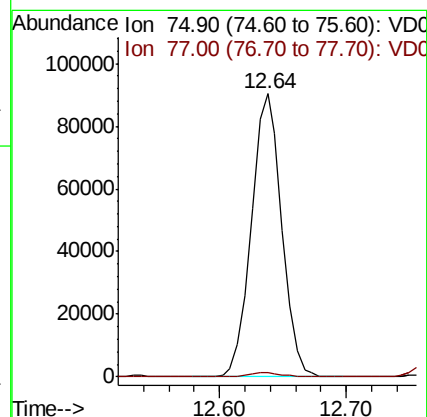
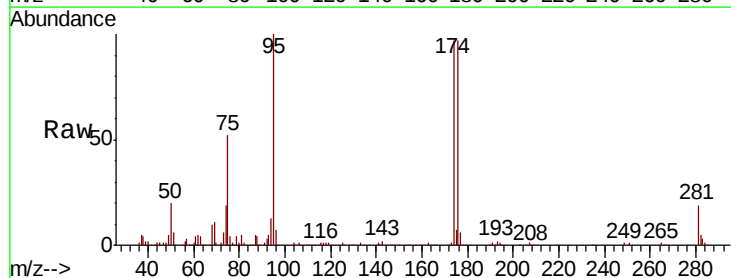
Acq: 27 Nov 2019 16:58

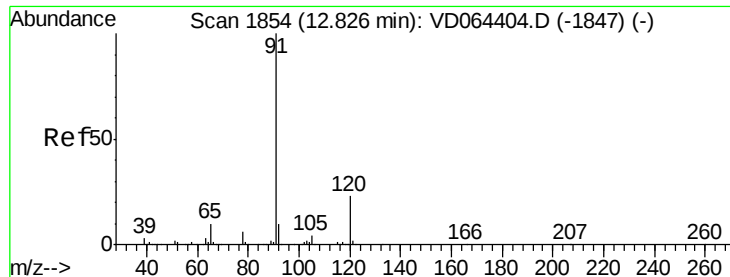
Tgt Ion: 75 Resp: 150263

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#78

n-propylbenzene

Concen: 1.062 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

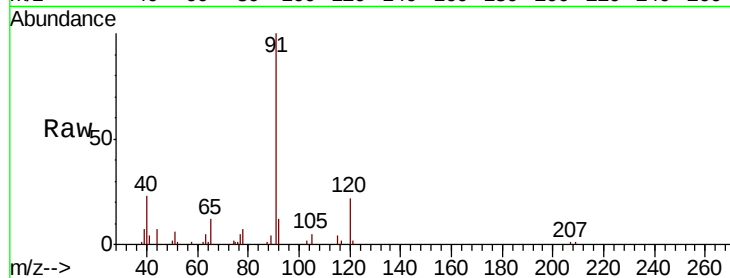
ClientSampled :

Tot Ion: 91 Resp: 27150

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.83

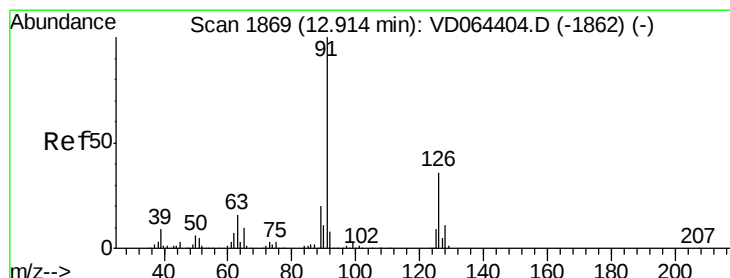
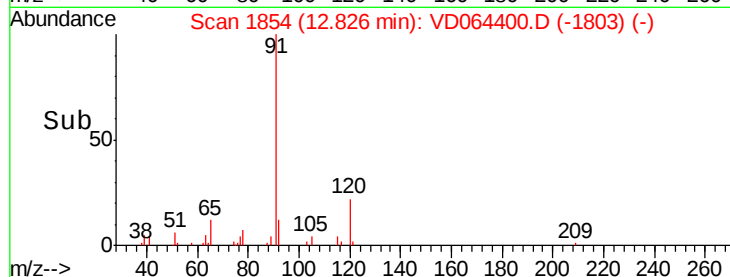
15000

10000

5000

0

Time--> 12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 1.002 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064400.D

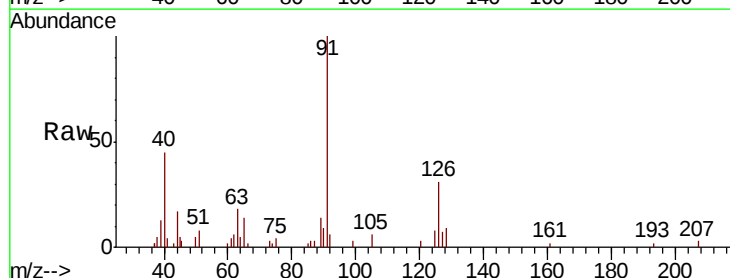
Acq: 27 Nov 2019 16:58

Tgt Ion: 91 Resp: 14098

Ion Ratio Lower Upper

91 100

126 33.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

12.91

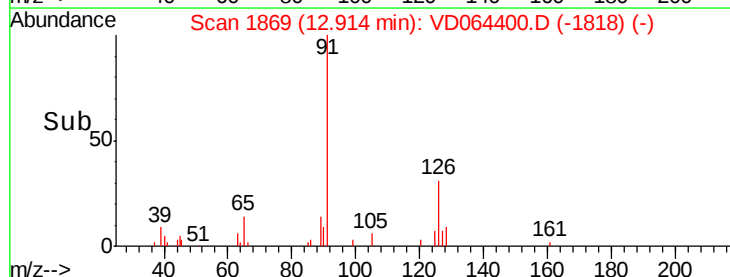
15000

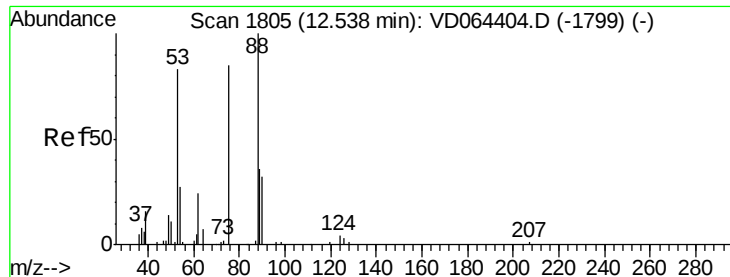
10000

5000

0

Time--> 12.85 12.90 12.95

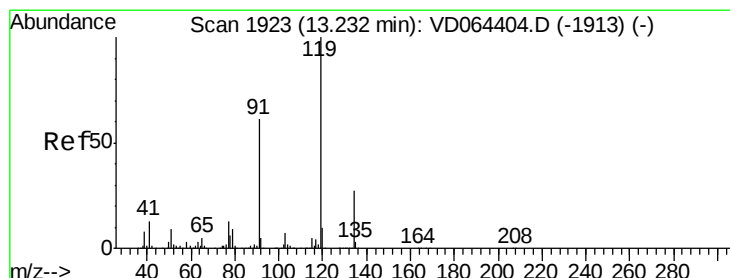
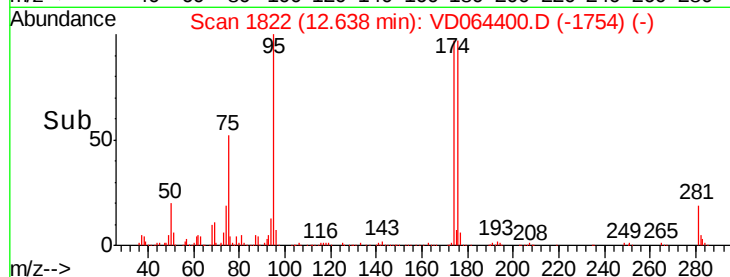
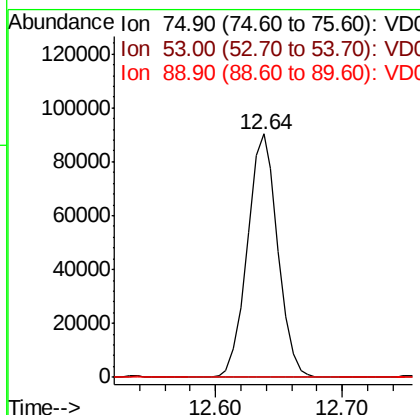
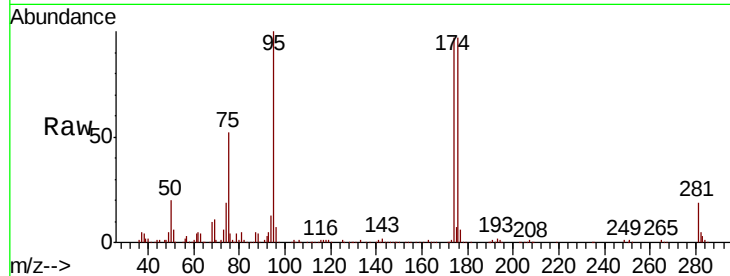




#81
trans-1,4-Dichloro-2-butene
Concen: 129.277 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

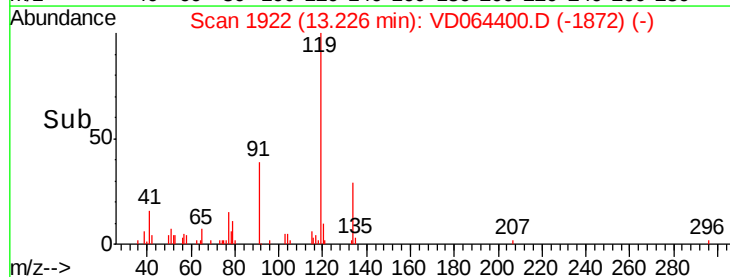
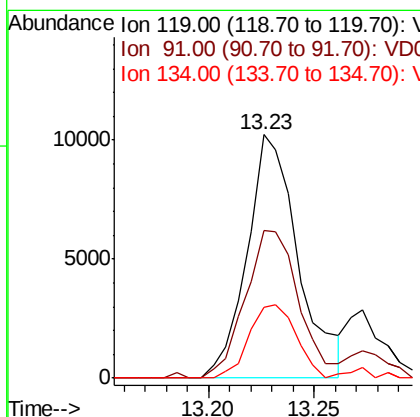
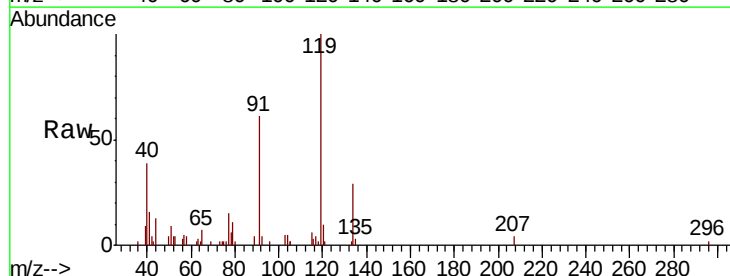
Instrument :
MSVOA_D
ClientSampleId :

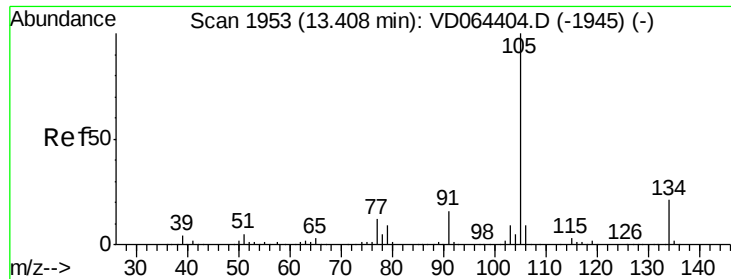
Tot Ion: 75 Resp: 150263
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.2 38.5 57.7#



#83
tert-Butylbenzene
Concen: 1.096 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion: 119 Resp: 17258
Ion Ratio Lower Upper
119 100
91 63.6 31.2 93.6
134 27.7 13.9 41.7

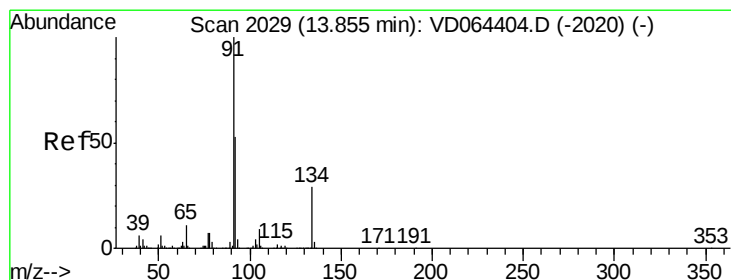
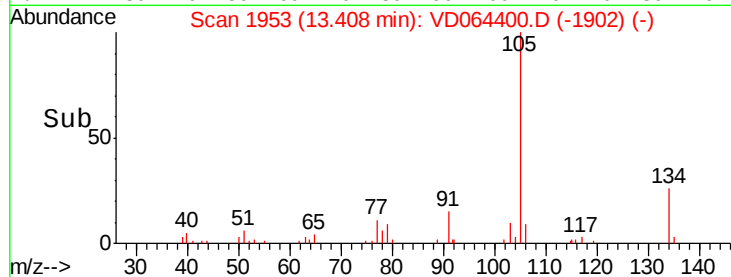
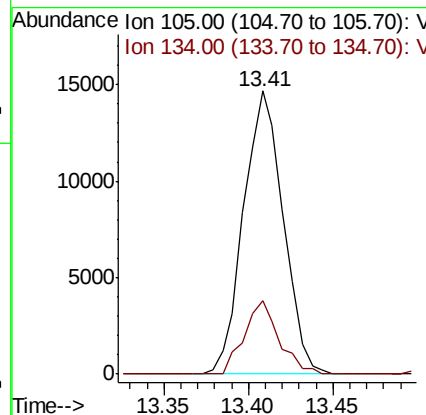
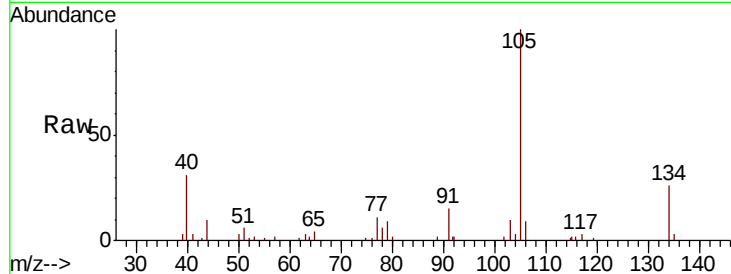




#85
 sec-Butylbenzene
 Concen: 1.106 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

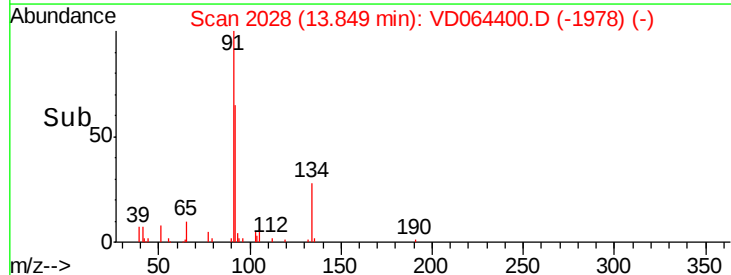
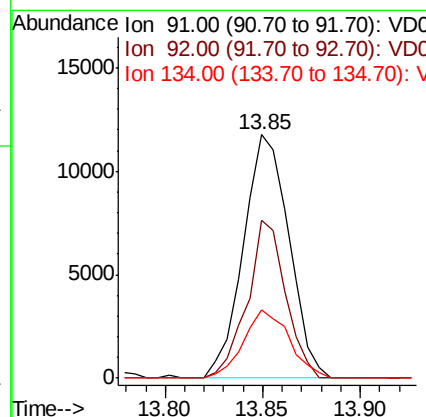
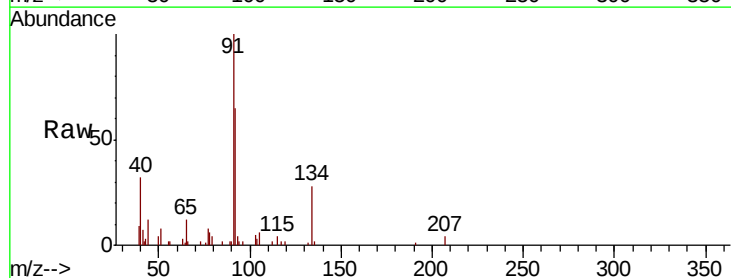
Instrument :
 MSVOA_D
 ClientSampleId :

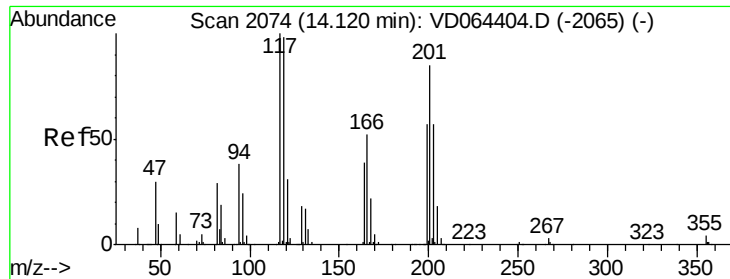
Tot Ion: 105 Resp: 23910
 Ion Ratio Lower Upper
 105 100
 134 22.7 10.5 31.5



#89
 n-Butylbenzene
 Concen: 1.030 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Tgt Ion: 91 Resp: 19093
 Ion Ratio Lower Upper
 91 100
 92 54.5 26.5 79.4
 134 28.0 13.9 41.7

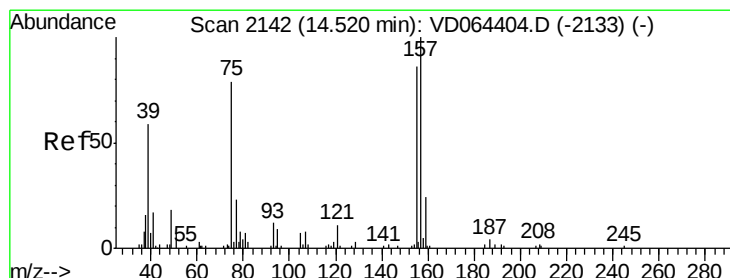
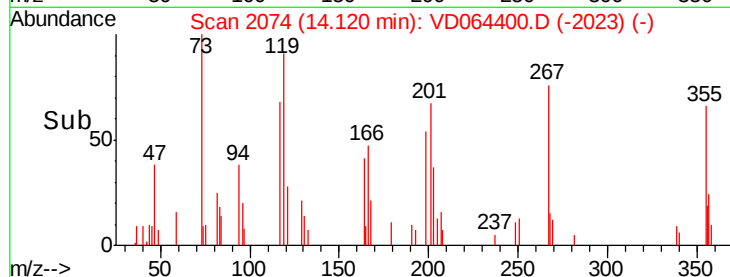
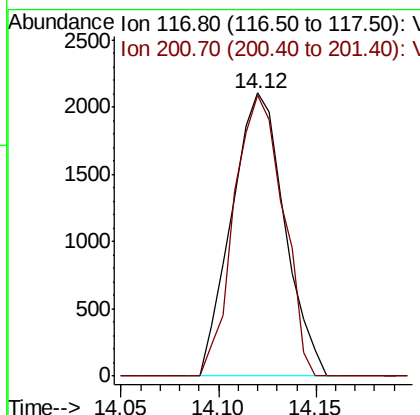
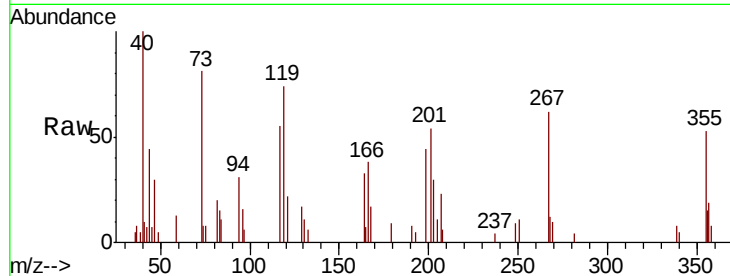




#90
Hexachloroethane
Concen: 1.034 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

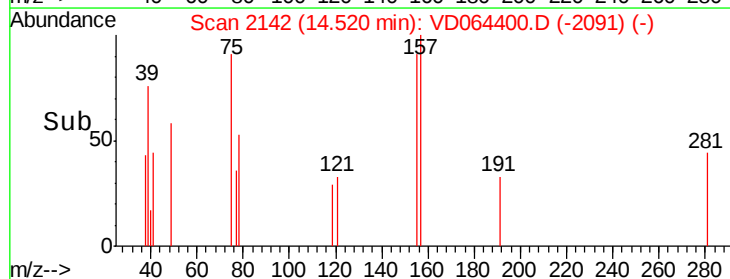
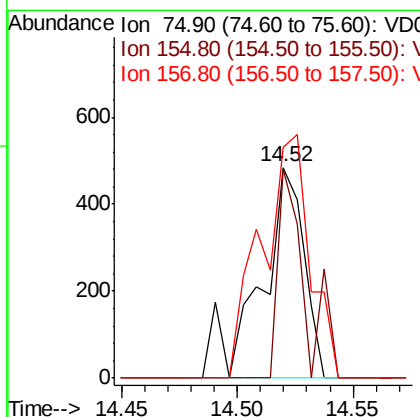
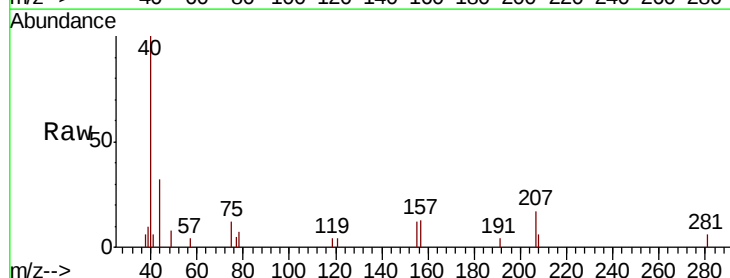
Instrument :
MSVOA_D
ClientSampleID :

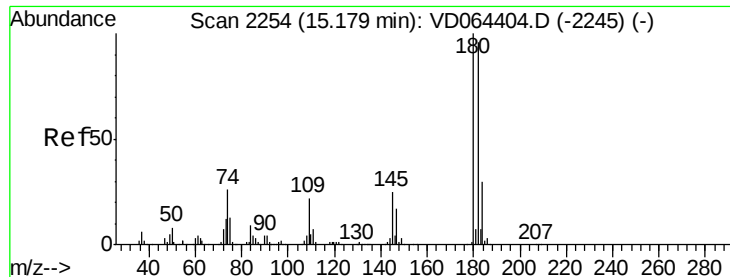
Tot Ion:117 Resp: 3945
Ion Ratio Lower Upper
117 100
201 92.0 44.3 132.8



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.52 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VD064400.D
Acq: 27 Nov 2019 16:58

Tgt Ion: 75 Resp: 638
Ion Ratio Lower Upper
75 100
155 60.2 51.9 155.7
157 127.7 63.2 189.8

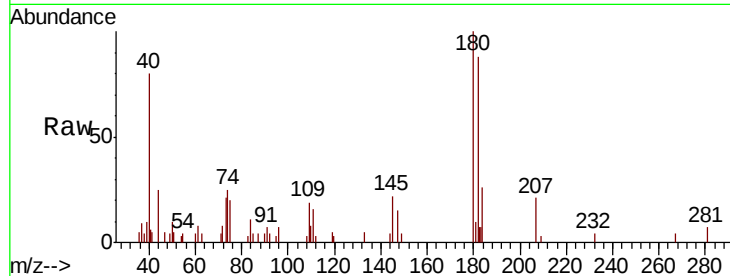




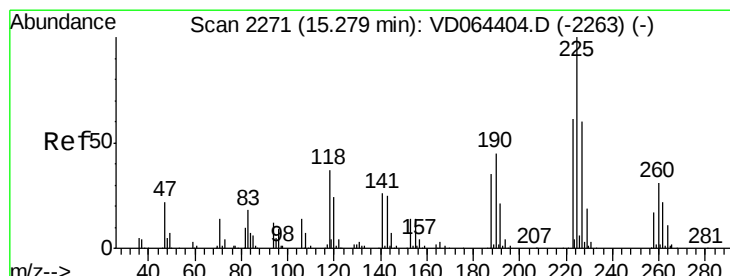
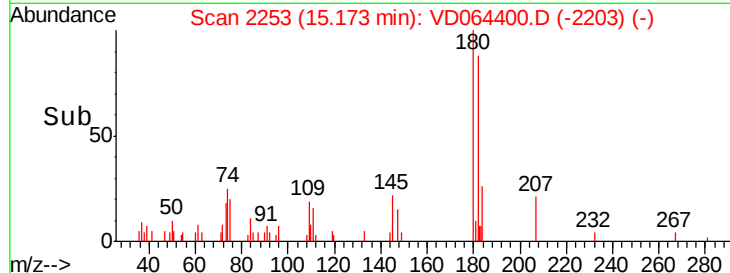
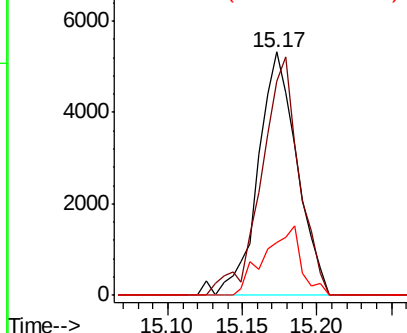
#93
 1,2,4-Trichlorobenzene
 Concen: 1.418 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 9645
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.4 142.3
 145 27.1 14.0 41.9

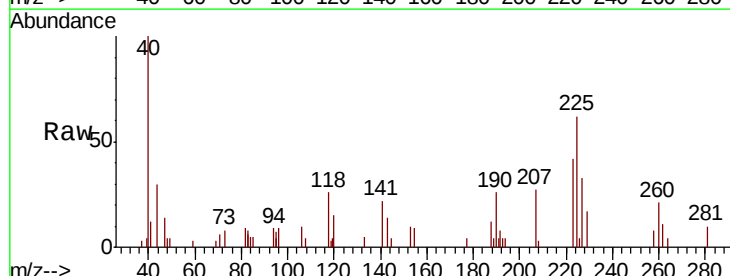


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

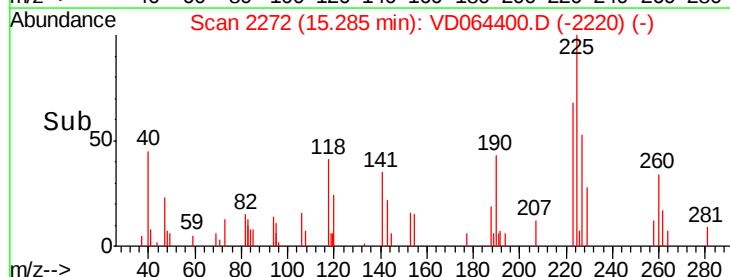
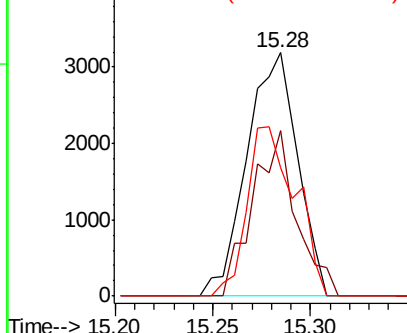


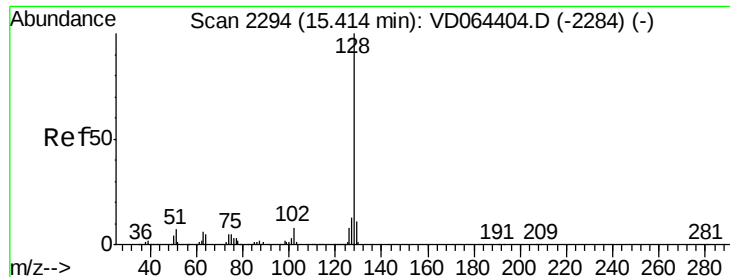
#94
 Hexachlorobutadiene
 Concen: 1.366 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064400.D
 Acq: 27 Nov 2019 16:58

Tgt Ion:225 Resp: 5735
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.1 93.3
 227 66.5 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.910 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

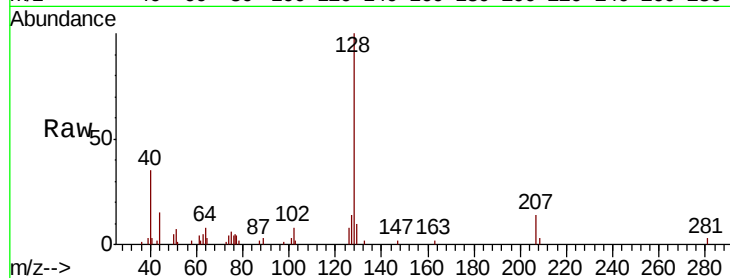
Tot Ion:128 Resp: 21671

Ion Ratio Lower Upper

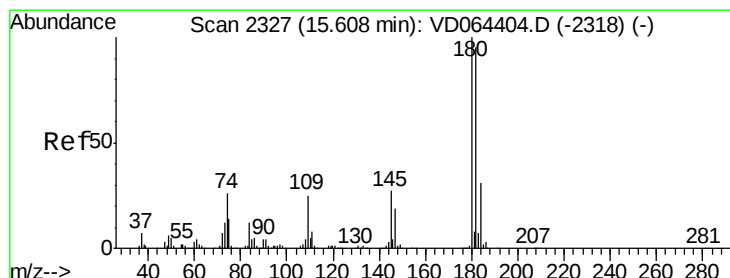
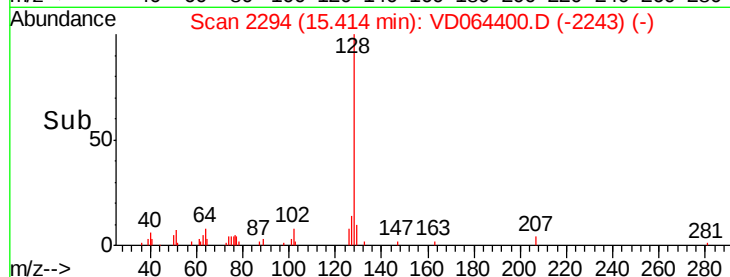
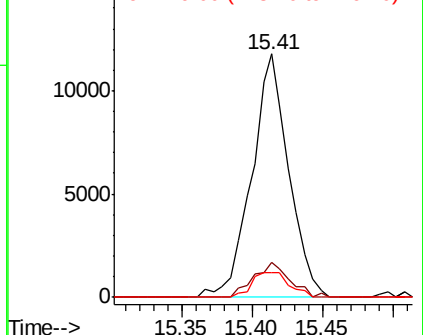
128 100

127 13.9 10.5 15.7

129 10.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.670 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064400.D

Acq: 27 Nov 2019 16:58

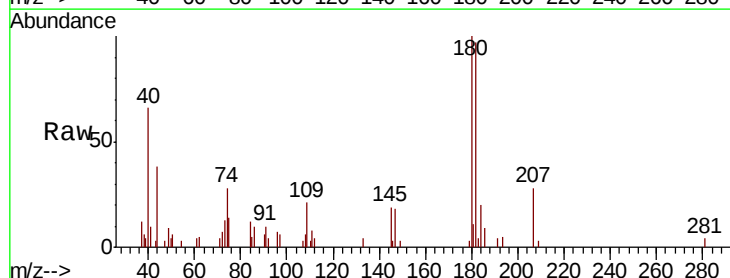
Tgt Ion:180 Resp: 9695

Ion Ratio Lower Upper

180 100

182 100.2 47.6 142.9

145 28.2 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

