

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064251.D
 Acq On : 16 Nov 2019 04:25
 Operator : VA/SY
 Sample : K5861-09
 Misc : 4.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	1183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	371	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	64	9.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	18.88%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.34	98	1352	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.64	95	342	38.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	86	12.584	ug/l #	42
3) Chloromethane	2.06	50	60	8.185	ug/l #	42
6) Chloroethane	2.94	64	107	21.362	ug/l #	43
12) 1,1-Dichloroethene	3.90	96	87	12.565	ug/l #	1
13) Acrolein	3.88	56	182	454.509	ug/l #	15
14) Allyl chloride	4.72	41	349	28.508	ug/l #	22
15) Acrylonitrile	5.49	53	83	55.714	ug/l #	16
16) Acetone	4.19	43	232	144.507	ug/l #	45
18) Methyl Acetate	4.71	43	326	72.702	ug/l #	53
20) Methylene Chloride	4.89	84	60	7.399	ug/l #	5
21) trans-1,2-Dichloroethene	5.54	96	95	12.110	ug/l #	1
23) Vinyl Acetate	6.32	43	60	4.739	ug/l #	73
25) 2-Butanone	7.24	43	239	115.227	ug/l #	49
26) 2,2-Dichloropropane	7.11	77	57	4.407	ug/l #	54
27) cis-1,2-Dichloroethene	7.11	96	174	20.684	ug/l #	1
28) Bromochloromethane	7.66	49	66	14.374	ug/l #	10
29) Tetrahydrofuran	7.59	42	62	49.751	ug/l #	35
30) Chloroform	7.76	83	58	4.299	ug/l #	18
31) Cyclohexane	8.00	56	117	8.796	ug/l #	14
32) 1,1,1-Trichloroethane	8.07	97	56	4.335	ug/l #	24
36) 1,1-Dichloropropene	8.07	75	73	6.686	ug/l #	41
37) Ethyl Acetate	7.30	43	172	37.369	ug/l #	70
39) Methylcyclohexane	9.43	83	65	4.705	ug/l #	18
40) Benzene	8.61	78	54	1.810	ug/l #	52
41) Methacrylonitrile	7.53	41	67	23.160	ug/l #	25
43) Isopropyl Acetate	8.43	43	604	63.689	ug/l #	53
47) Bromodichloromethane	9.73	83	74	7.066	ug/l #	25
48) Methyl methacrylate	9.46	41	477	102.862	ug/l #	33
51) 4-Methyl-2-Pentanone	10.23	43	250	54.971	ug/l #	37
55) 1,1,2-Trichloroethane	10.83	97	127	24.078	ug/l #	17
56) Ethyl methacrylate	10.60	69	176	23.853	ug/l #	1
57) 1,3-Dichloropropane	11.11	76	55	5.979	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.00	63	64	21.413	ug/l #	45
59) 2-Hexanone	10.98	43	175	54.087	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

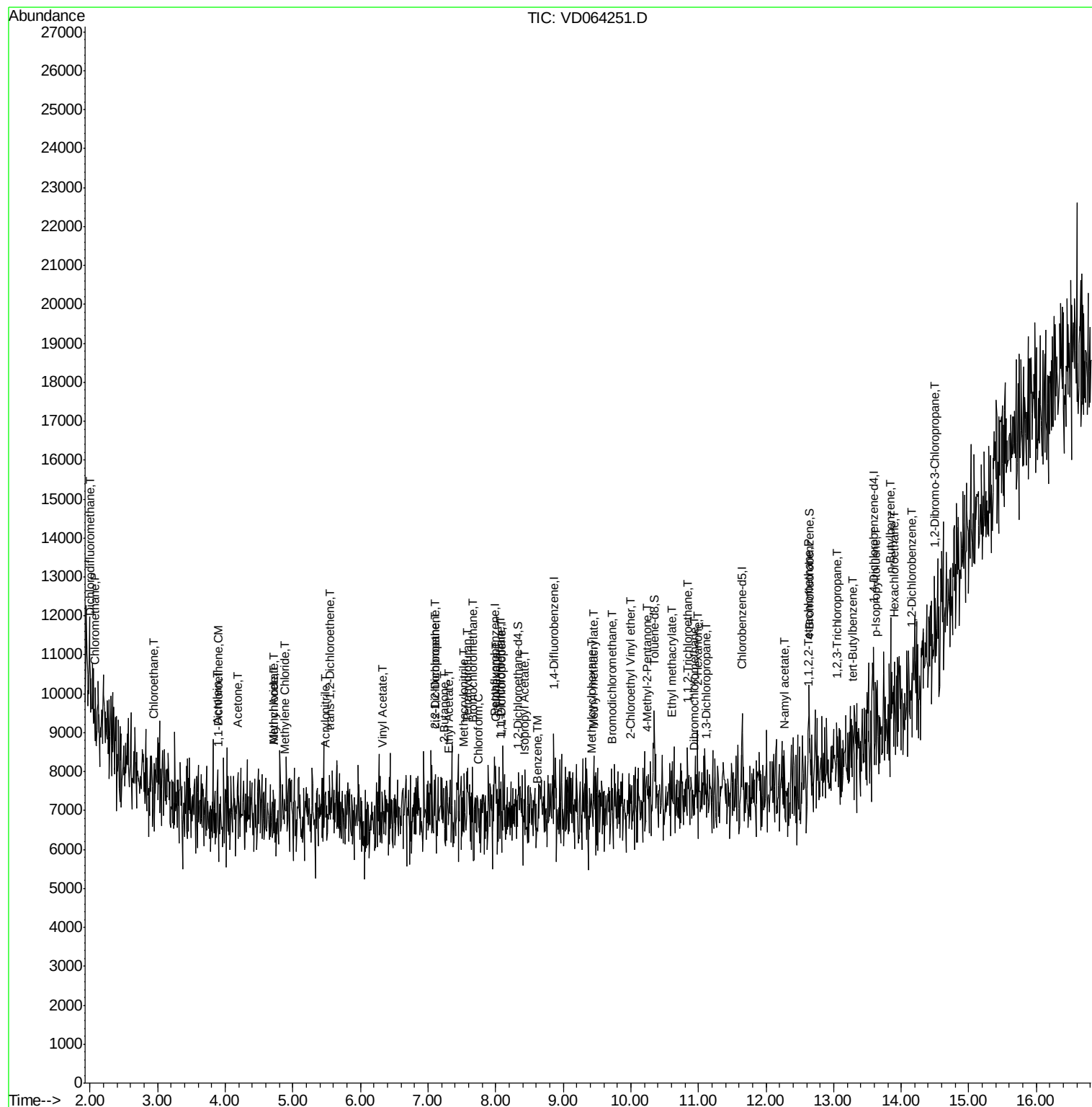
60) Dibromochloromethane	10.93	129	54	7.337	ug/l #	11
74) N-amyl acetate	12.28	43	456	70.911	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.62	83	70	17.060	ug/l #	26
76) 1,2,3-Trichloropropane	13.04	75	73	24.429	ug/l #	100
83) tert-Butylbenzene	13.28	119	57	2.889	ug/l #	27
86) p-Isopropyltoluene	13.63	119	119	4.723	ug/l #	50
89) n-Butylbenzene	13.84	91	136	5.975	ug/l #	32
90) Hexachloroethane	13.90	117	56	12.027	ug/l #	4
91) 1,2-Dichlorobenzene	14.15	146	58	5.580	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.51	75	54	73.606	ug/l #	1

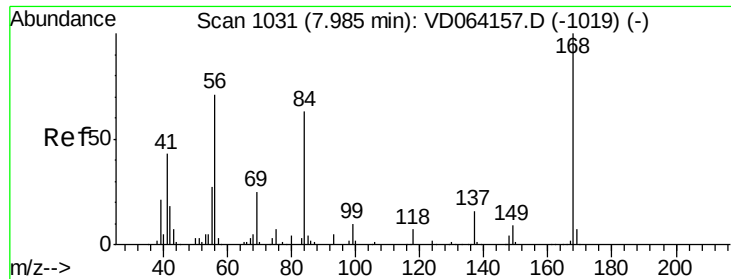
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

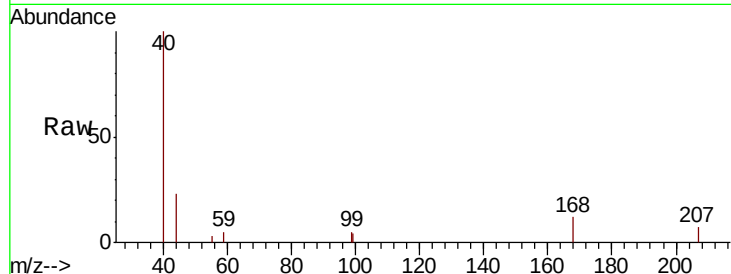
ClientSampleId :

Tot Ion:168 Resp: 824

Ion Ratio Lower Upper

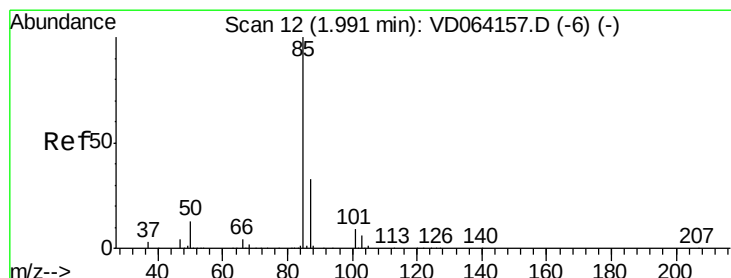
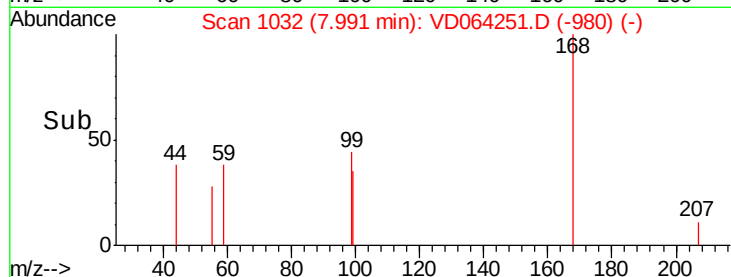
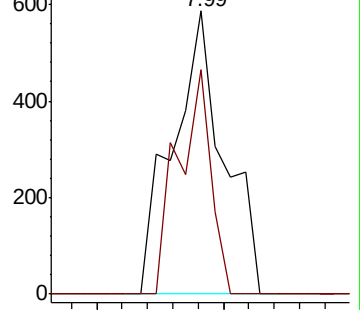
168 100

99 79.4 41.6 62.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 12.584 ug/l

RT: 2.00 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD064251.D

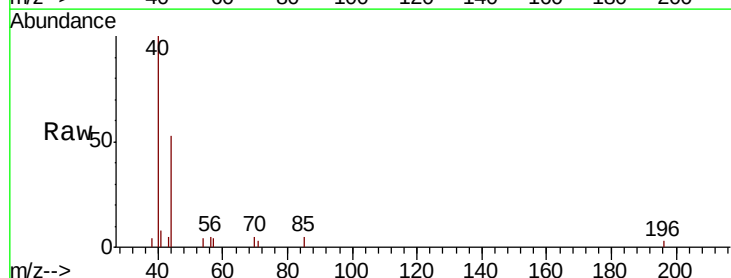
Acq: 16 Nov 2019 04:25

Tgt Ion: 85 Resp: 86

Ion Ratio Lower Upper

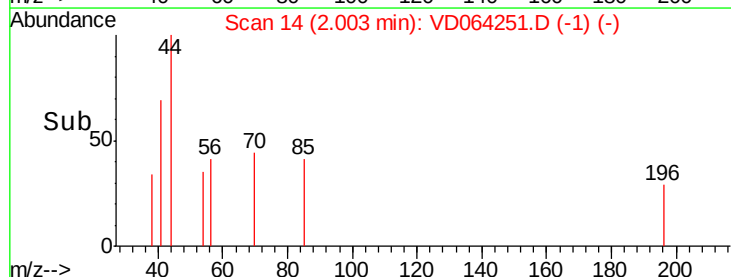
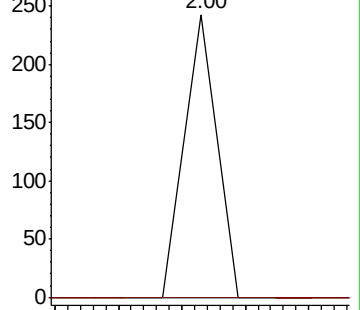
85 100

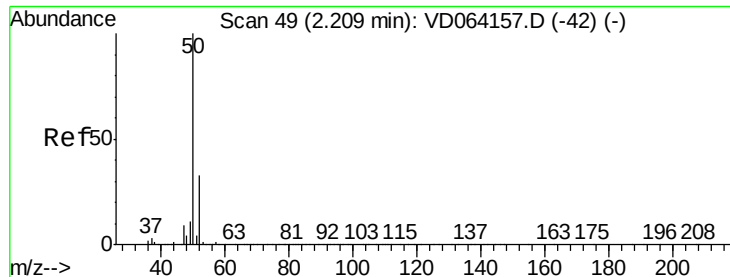
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.185 ug/l

RT: 2.06 min Scan# 24

Delta R.T. -0.15 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

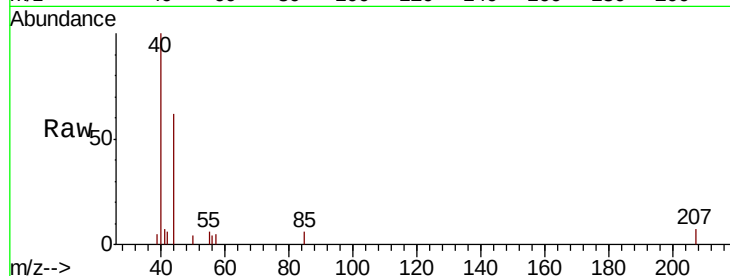
ClientSampleId :

Tot Ion: 50 Resp: 60

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.06

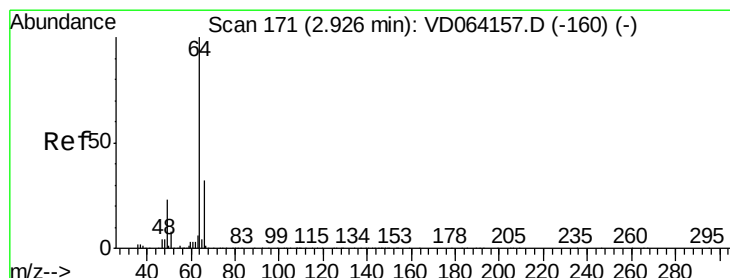
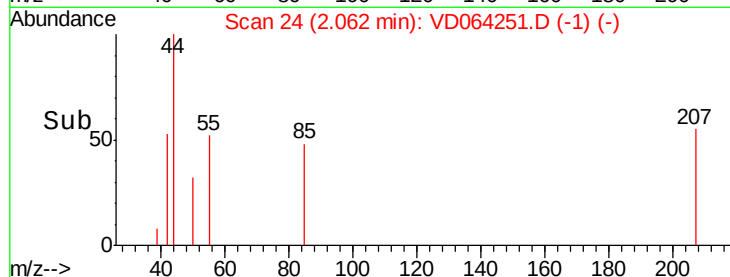
150

100

50

0

Time-->



#6

Chloroethane

Concen: 21.362 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD064251.D

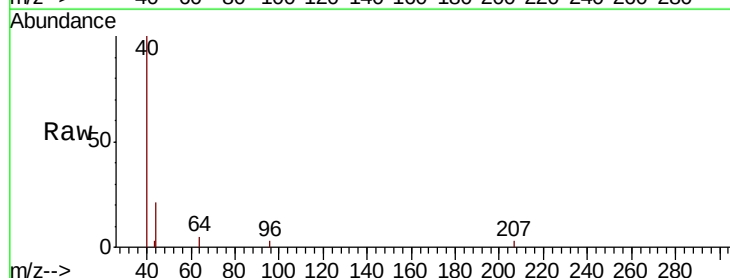
Acq: 16 Nov 2019 04:25

Tgt Ion: 64 Resp: 107

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.94

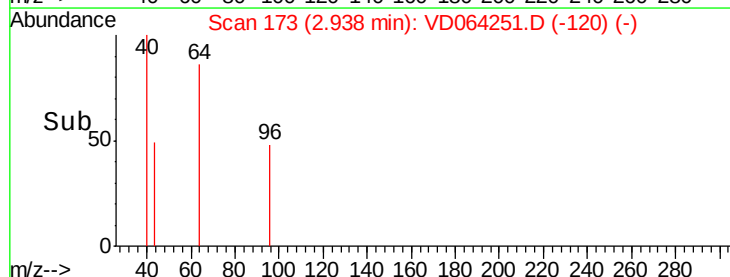
300

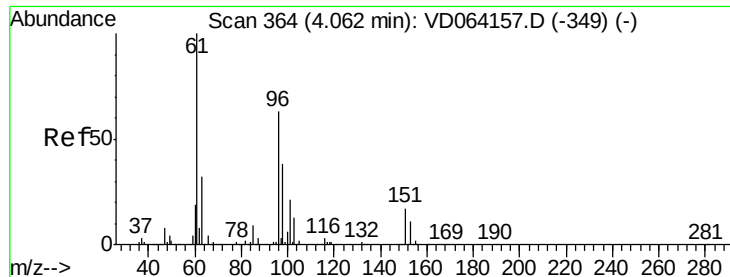
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 12.565 ug/l

RT: 3.90 min Scan# 336

Delta R.T. -0.16 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

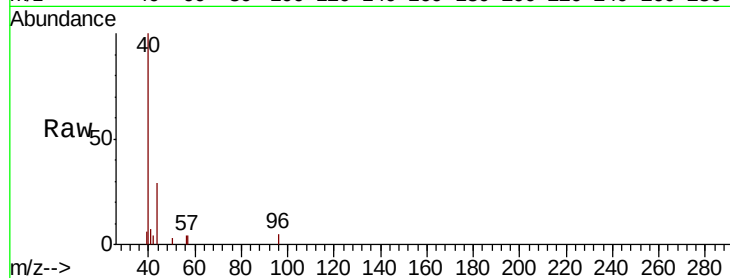
Tot Ion: 96 Resp: 87

Ion Ratio Lower Upper

96 100

61 0.0 127.4 191.2#

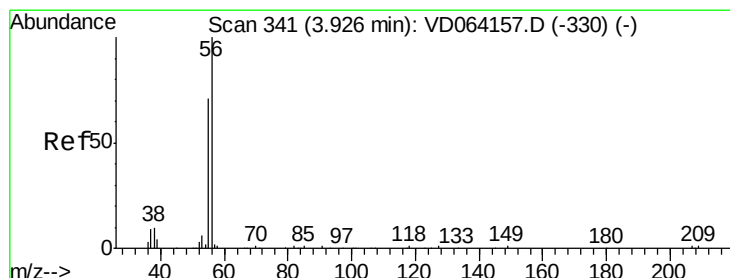
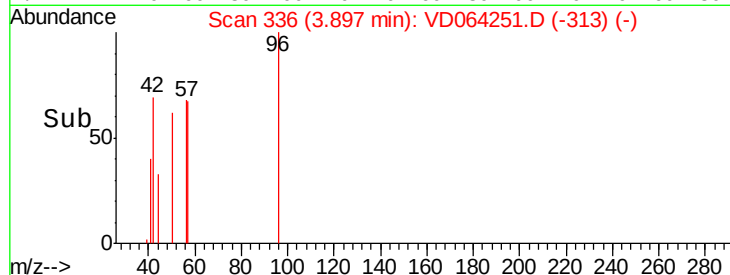
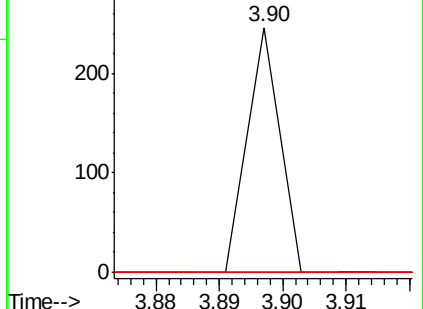
98 0.0 48.1 72.1#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#13

Acrolein

Concen: 454.509 ug/l

RT: 3.88 min Scan# 333

Delta R.T. -0.05 min

Lab File: VD064251.D

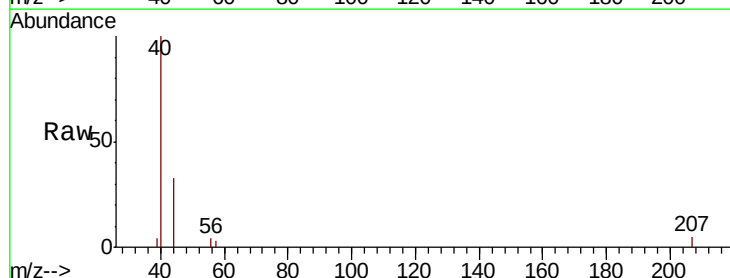
Acq: 16 Nov 2019 04:25

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

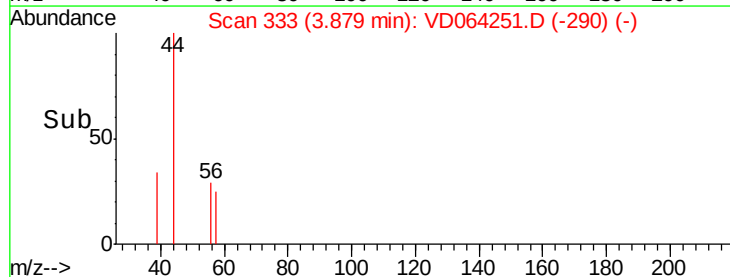
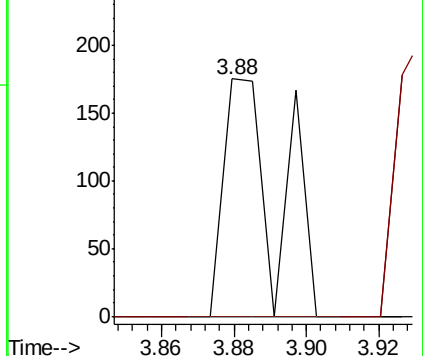
56 100

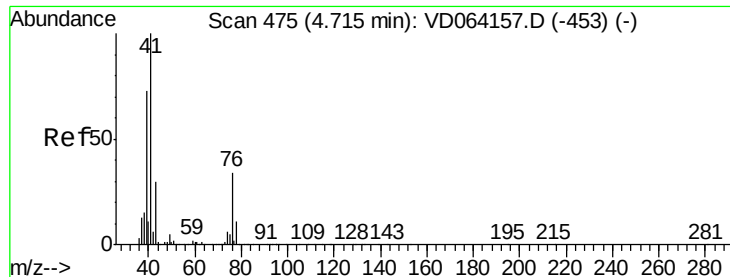
55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

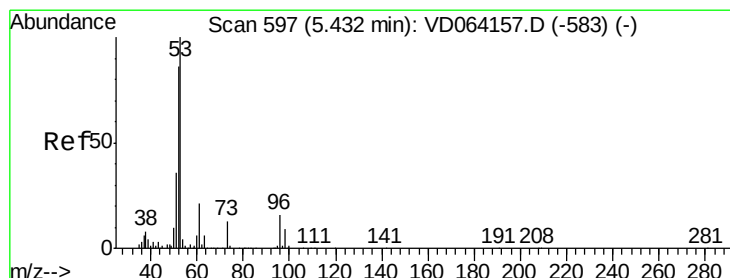
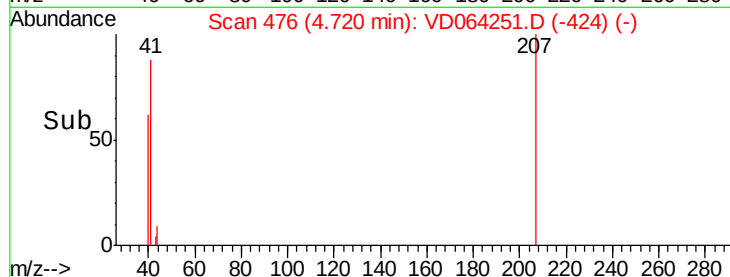
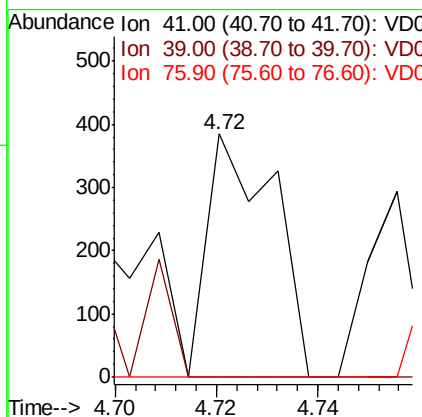
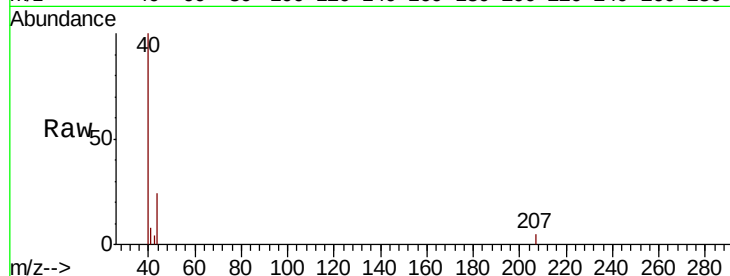




#14
Allvl chloride
Concen: 28.508 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

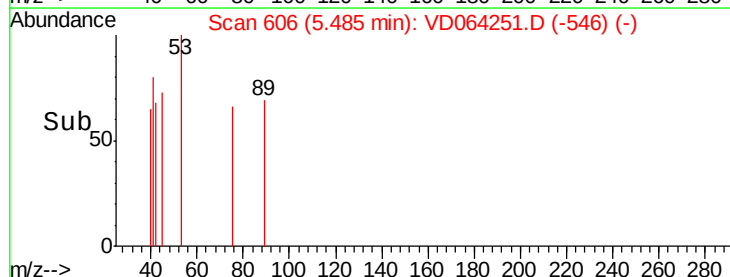
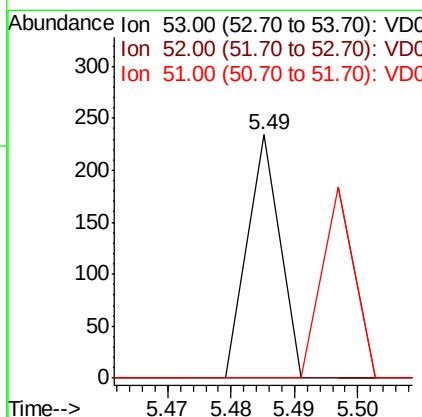
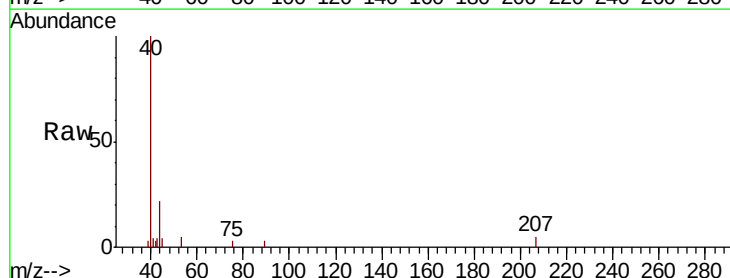
Instrument :
MSVOA_D
ClientSampleId :

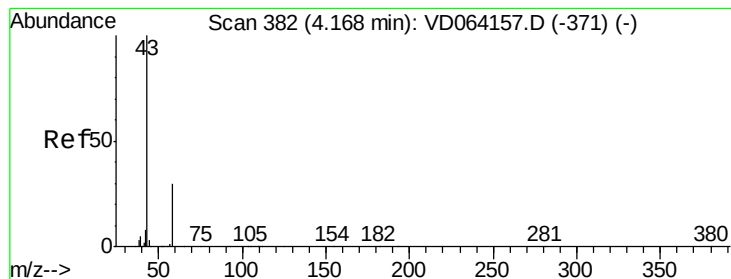
Tot Ion: 41 Resp: 349
Ion Ratio Lower Upper
41 100
39 0.0 57.5 86.3#
76 0.0 26.8 40.2#



#15
Acrylonitrile
Concen: 55.714 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.05 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 53 Resp: 83
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 78.3 30.6 46.0#





#16

Acetone

Concen: 144.507 ug/l

RT: 4.19 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

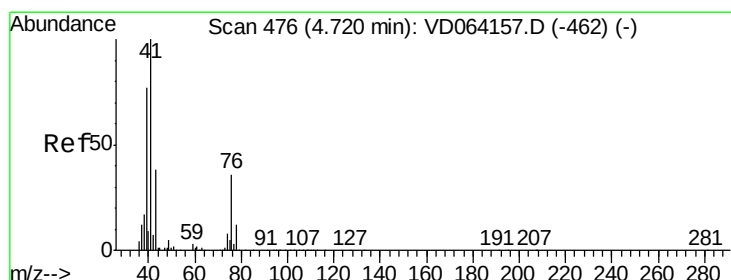
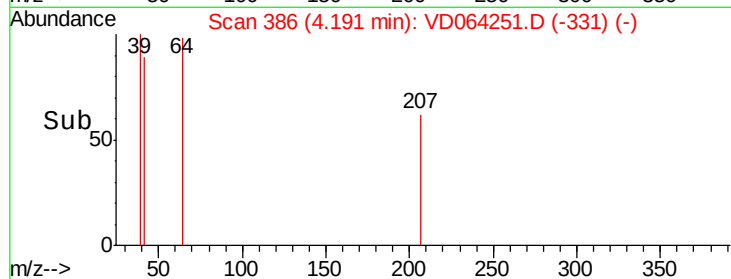
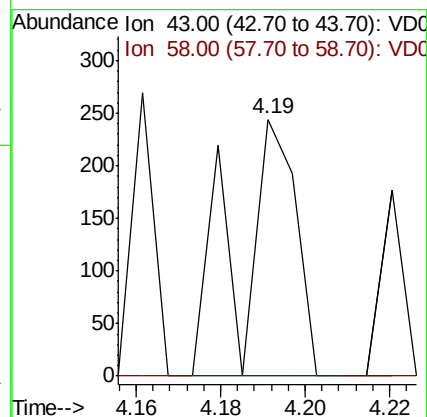
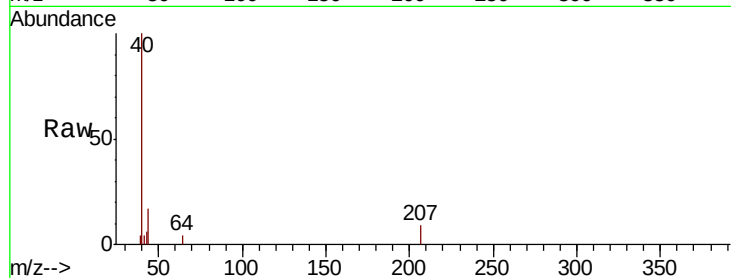
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#18

Methyl Acetate

Concen: 72.702 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD064251.D

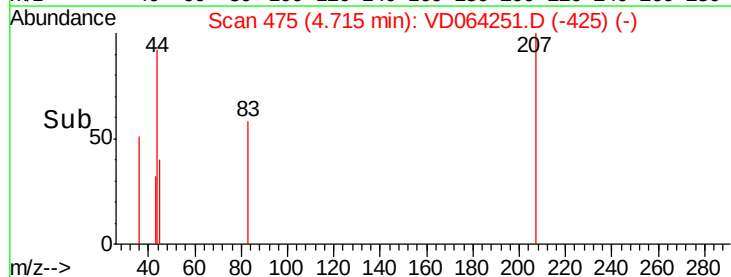
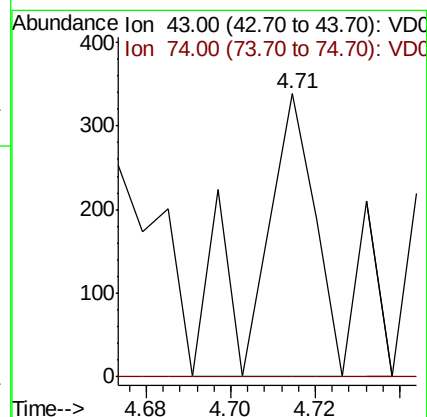
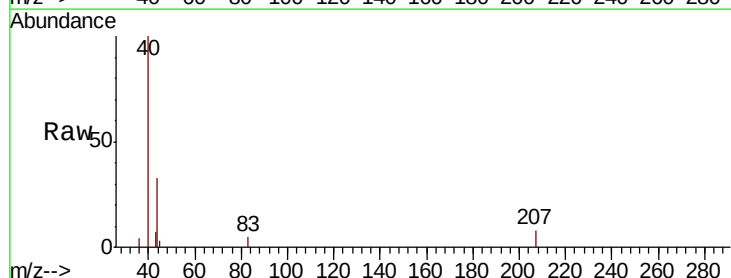
Acq: 16 Nov 2019 04:25

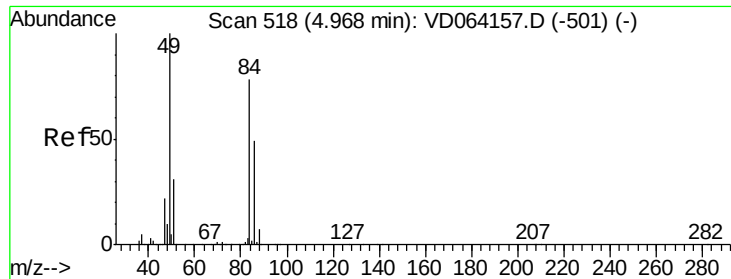
Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

43 100

74 0.0 18.4 27.6#

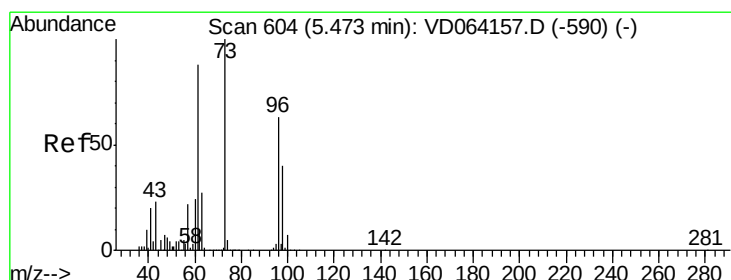
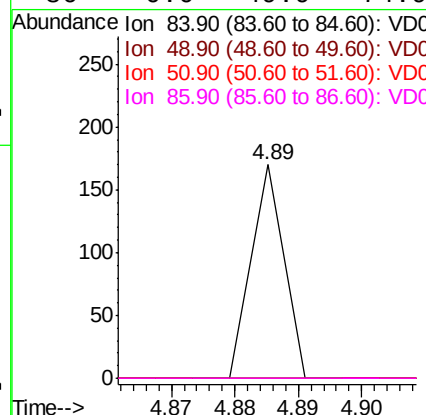
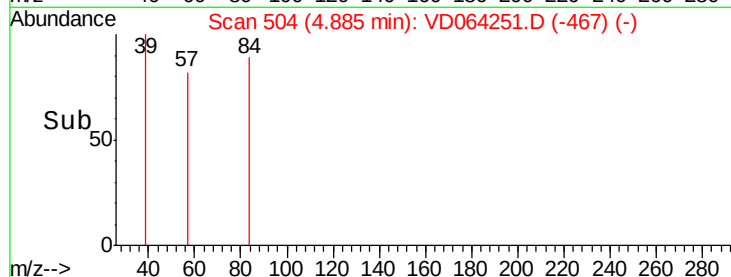
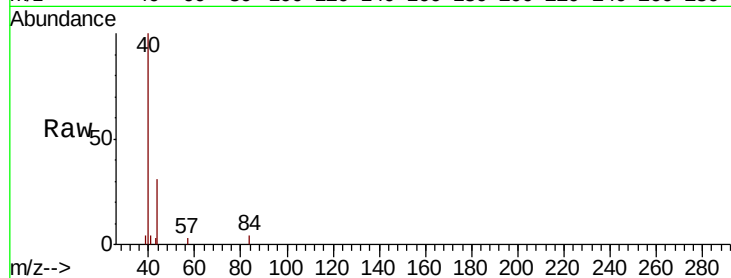




#20
Methylene Chloride
Concen: 7.399 ug/l
RT: 4.89 min Scan# 504
Delta R.T. -0.08 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

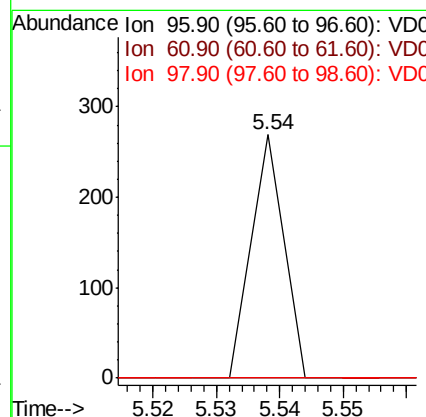
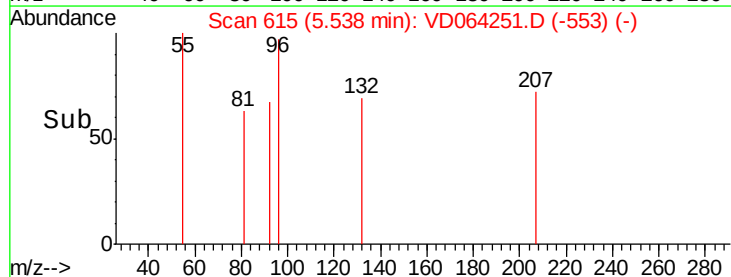
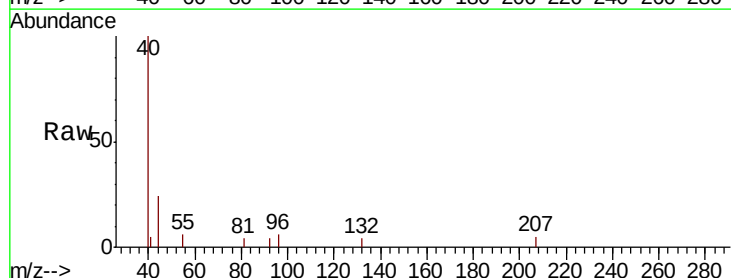
Instrument :
MSVOA_D
ClientSampleId :

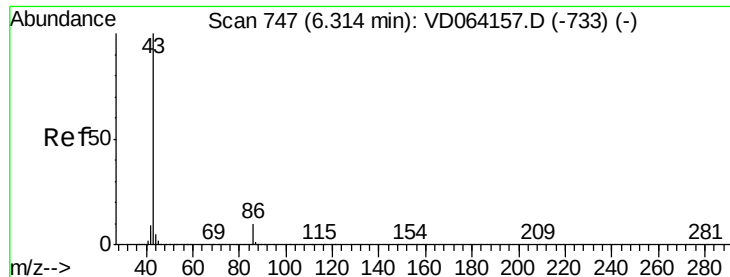
Tot Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 102.1 153.1#
51 0.0 32.2 48.2#
86 0.0 49.9 74.9#



#21
trans-1,2-Dichloroethene
Concen: 12.110 ug/l
RT: 5.54 min Scan# 615
Delta R.T. 0.06 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 96 Resp: 95
Ion Ratio Lower Upper
96 100
61 0.0 111.8 167.6#
98 0.0 50.3 75.5#





#23

Vinyl Acetate

Concen: 4.739 ug/l

RT: 6.32 min Scan# 748

Delta R.T. 0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

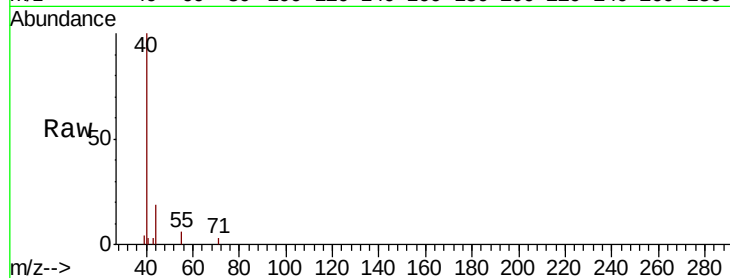
ClientSampleId :

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

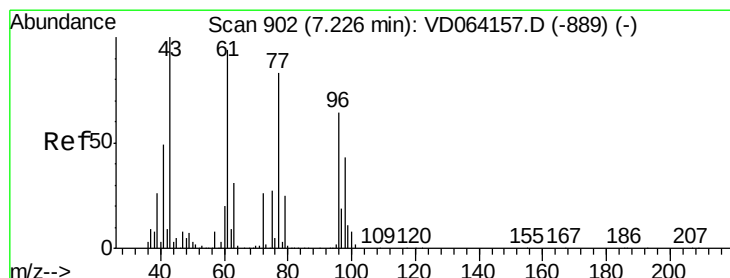
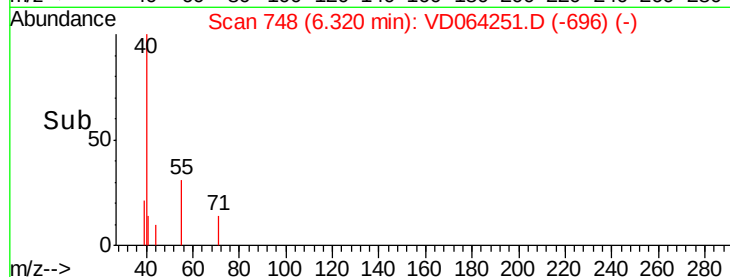
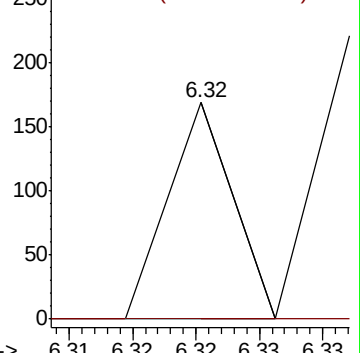
43 100

86 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 115.227 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD064251.D

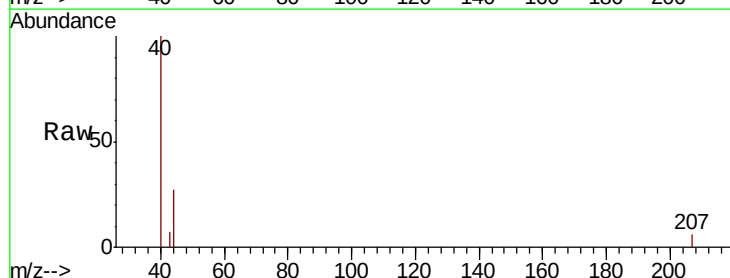
Acq: 16 Nov 2019 04:25

Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

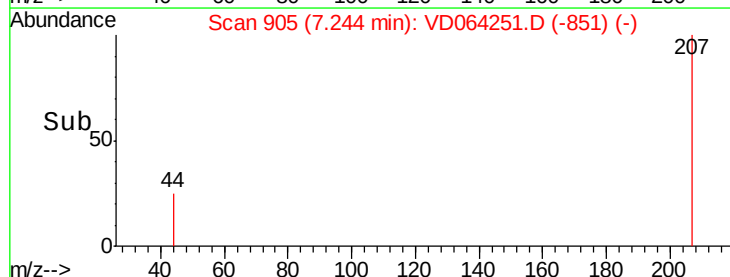
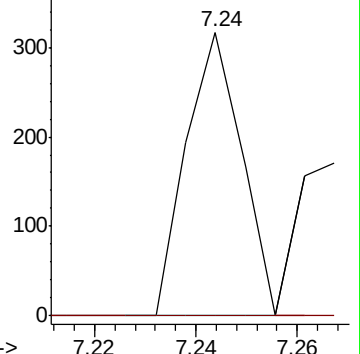
43 100

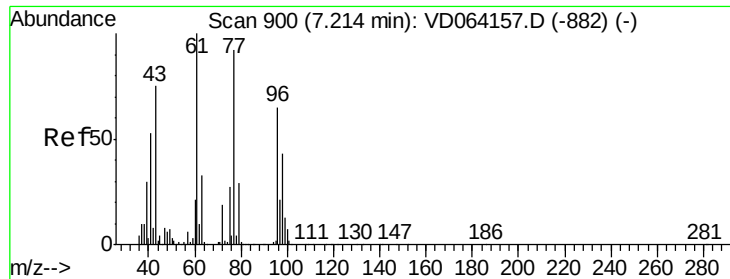
72 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 4.407 ug/l

RT: 7.11 min Scan# 882

Delta R.T. -0.11 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

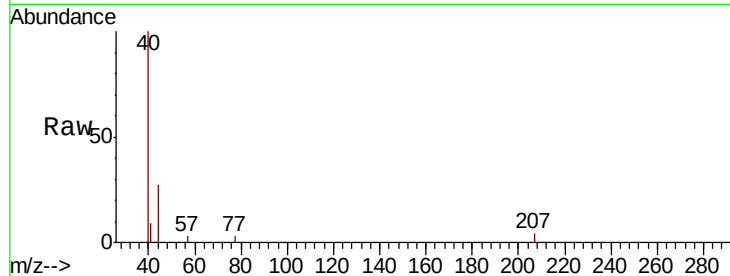
ClientSampleId :

Tot Ion: 77 Resp: 57

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.11

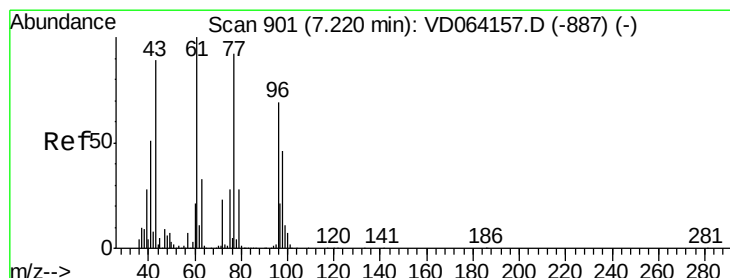
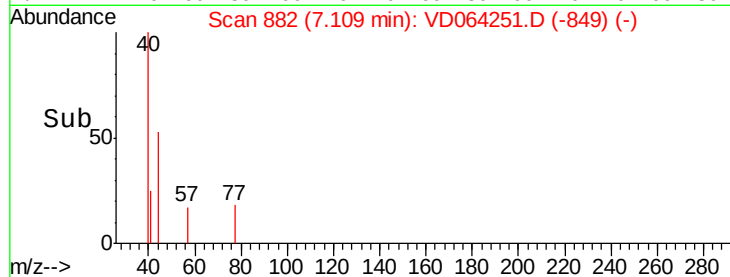
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 20.684 ug/l

RT: 7.11 min Scan# 883

Delta R.T. -0.11 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

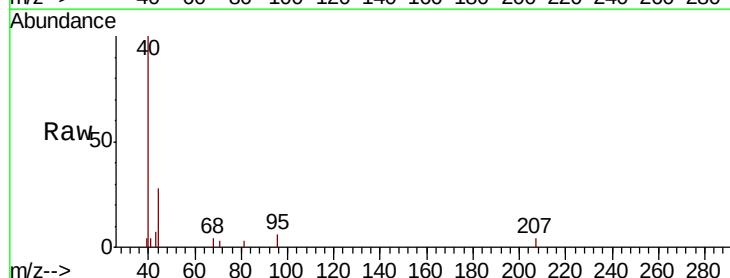
Tgt Ion: 96 Resp: 174

Ion Ratio Lower Upper

96 100

61 0.0 0.0 301.4

98 0.0 0.0 133.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

7.11

400

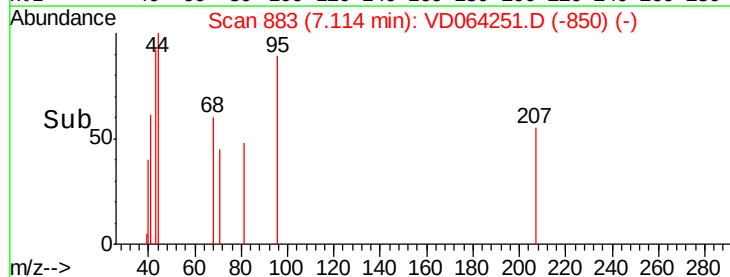
300

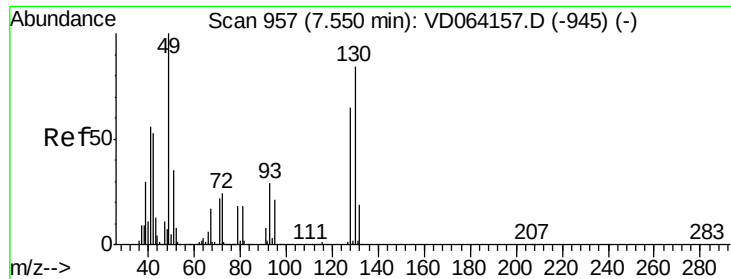
200

100

0

Time-->





#28

Bromochloromethane

Concen: 14.374 ug/l

RT: 7.66 min Scan# 976

Delta R.T. 0.11 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

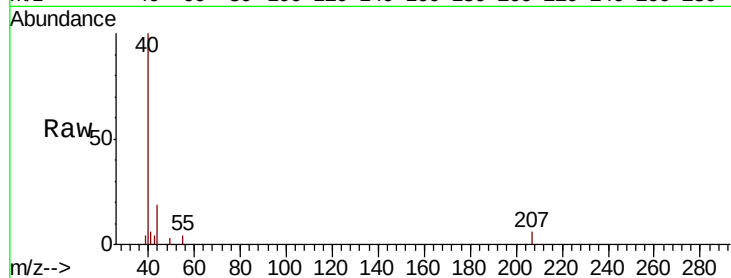
Tot Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

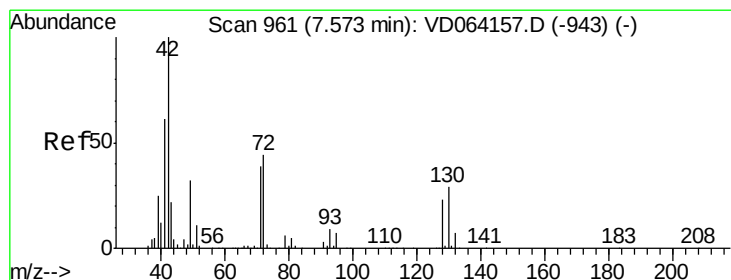
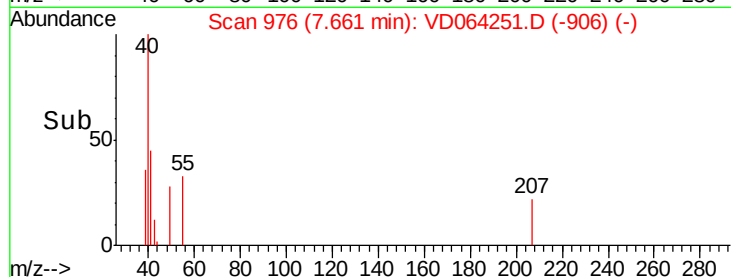
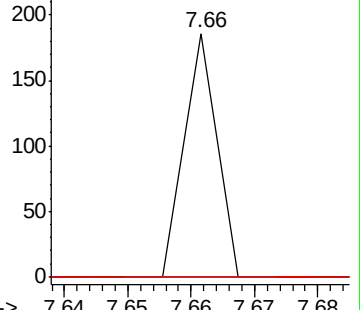
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 49.751 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

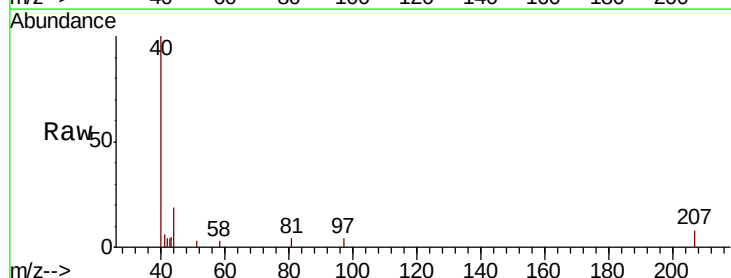
Tgt Ion: 42 Resp: 62

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

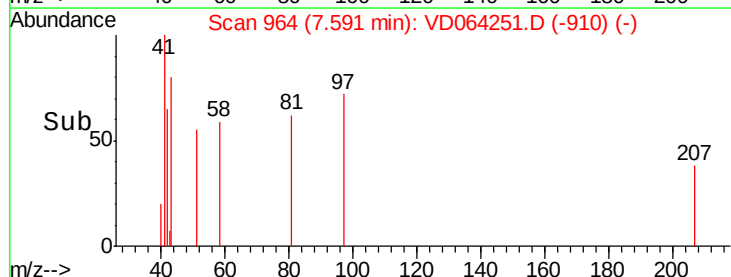
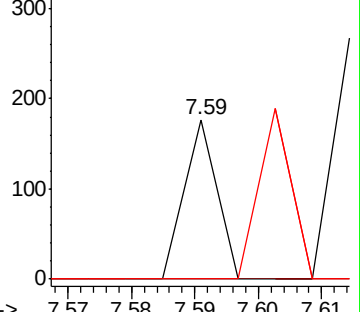
71 0.0 31.0 46.4#

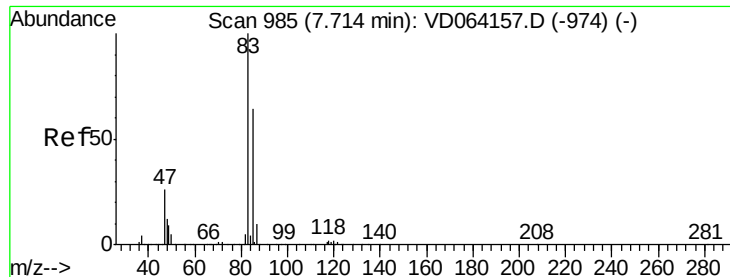


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

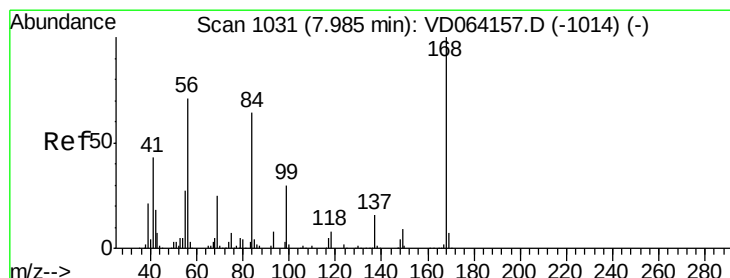
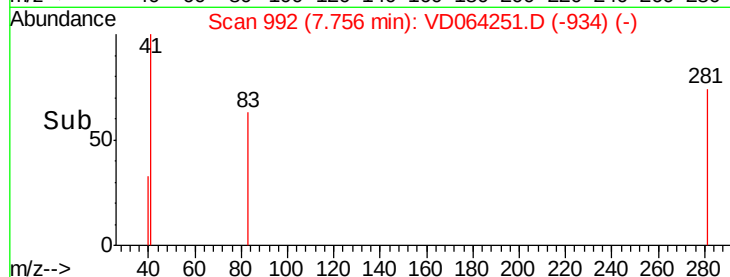
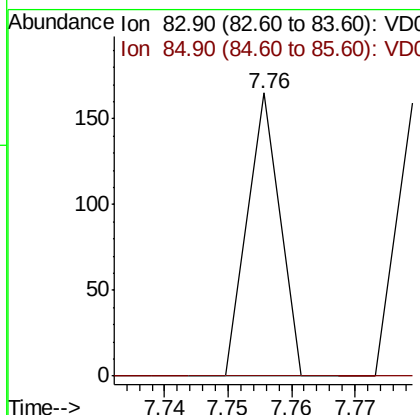
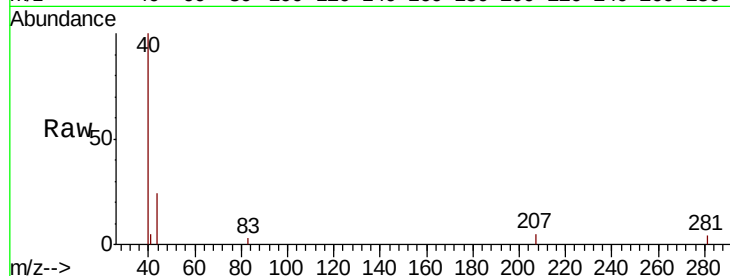




#30
Chloroform
Concen: 4.299 ug/l
RT: 7.76 min Scan# 992
Delta R.T. 0.04 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

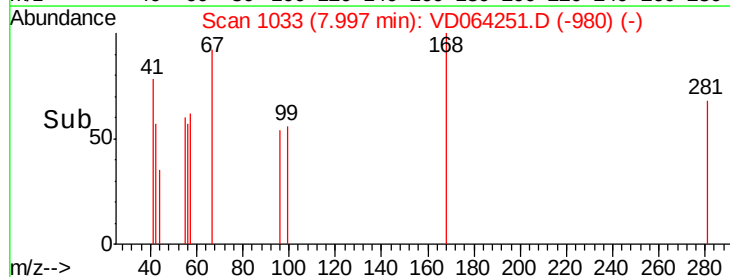
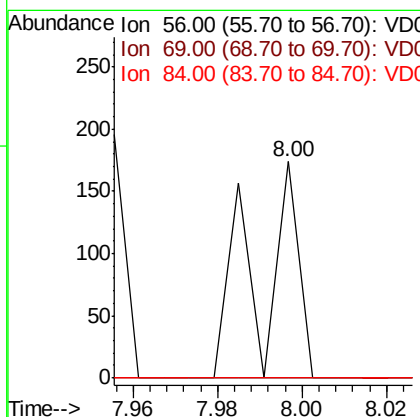
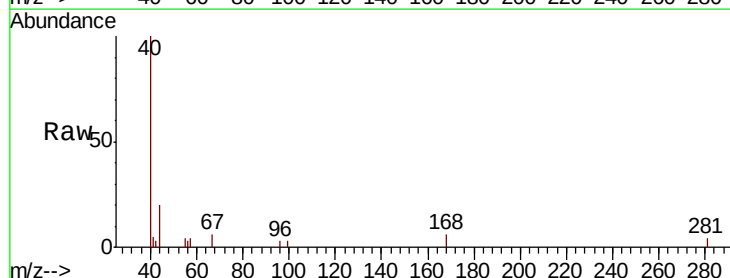
Instrument :
MSVOA_D
ClientSampleId :

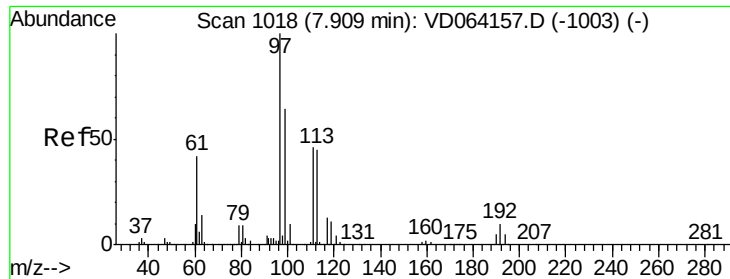
Tot Ion: 83 Resp: 58
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.0#



#31
Cyclohexane
Concen: 8.796 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
69 0.0 28.2 42.4#
84 0.0 71.8 107.6#





#32

1,1,1-Trichloroethane

Concen: 4.335 ug/l

RT: 8.07 min Scan# 1045

Delta R.T. 0.16 min

Lab File: VD064251.D

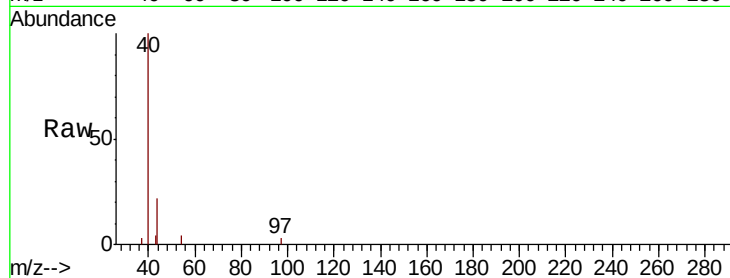
Acq: 16 Nov 2019 04:25

Instrument :

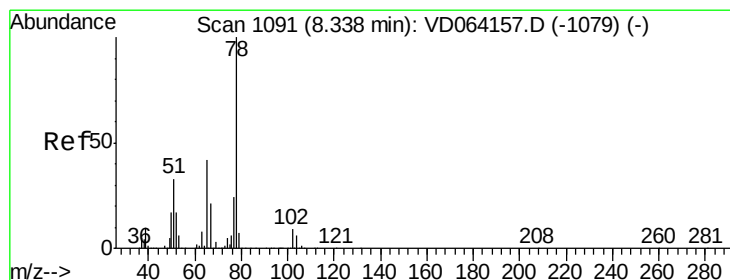
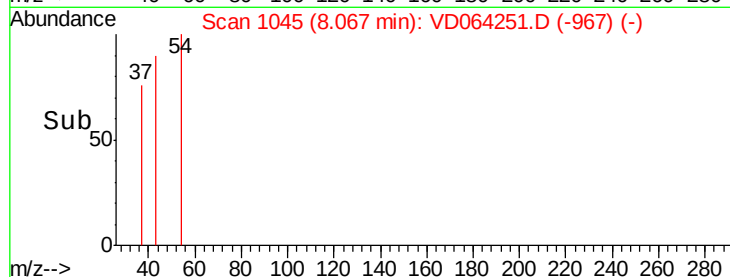
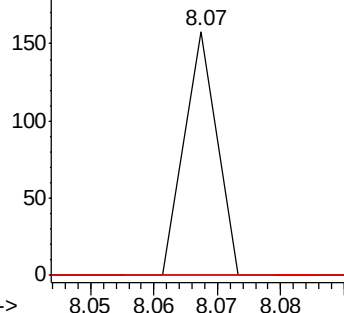
MSVOA_D

ClientSampleId :

Tot Ion:	97	Resp:	56
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	0.0	34.2	51.2#



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 9.444 ug/l

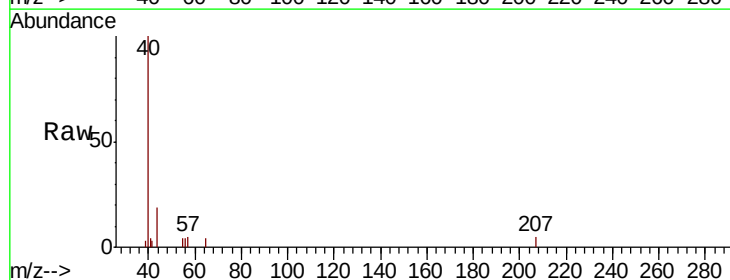
RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

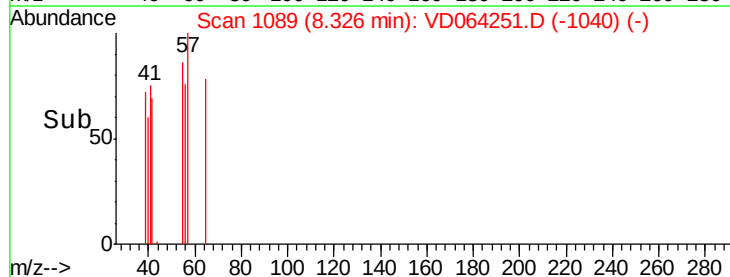
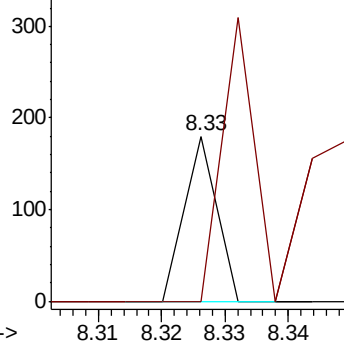
Lab File: VD064251.D

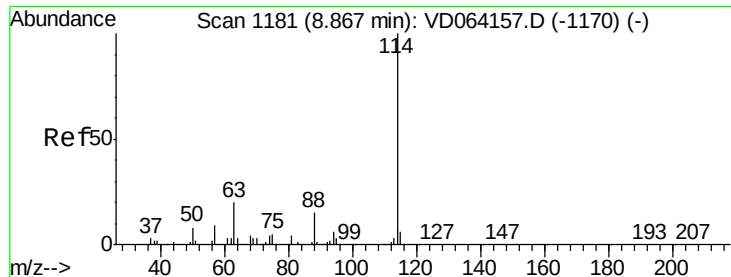
Acq: 16 Nov 2019 04:25

Tgt Ion:	65	Resp:	64
Ion	Ratio	Lower	Upper
65	100		
67	354.7	0.0	104.4#



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# 1180

Delta R.T. -0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

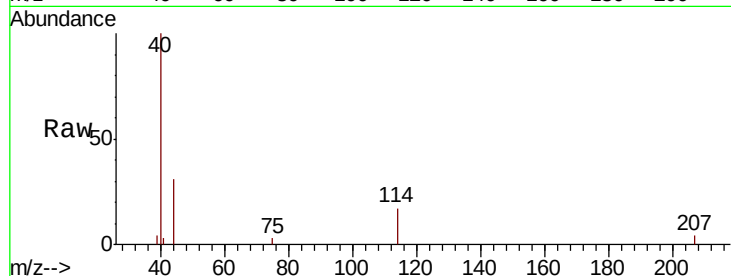
Tot Ion:114 Resp: 1183

Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.0

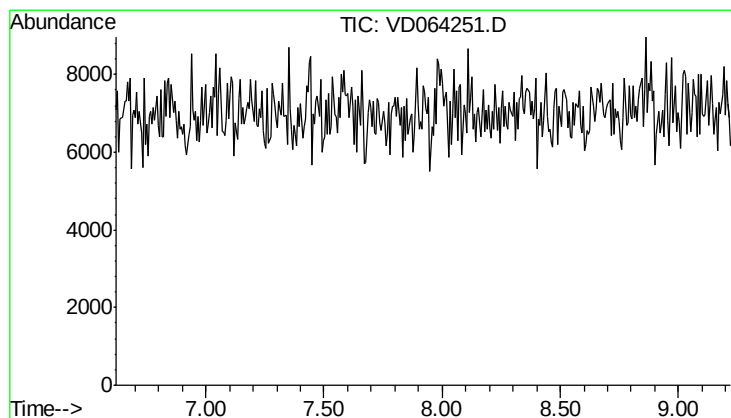
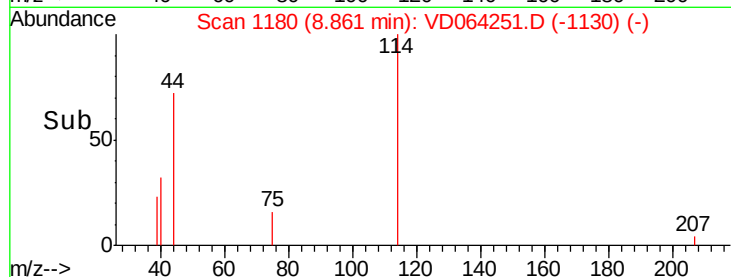
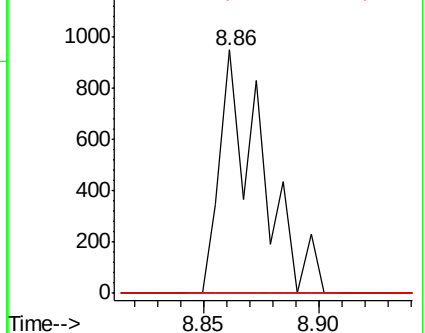
88 0.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.92 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

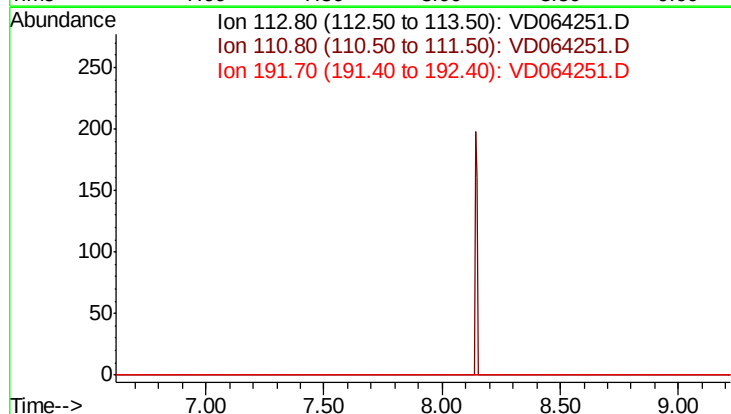
Tgt Ion: 113

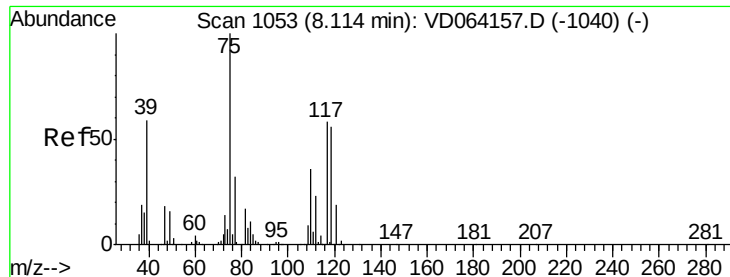
Sig Exp Ratio

113 100

111 101.9

192 23.5

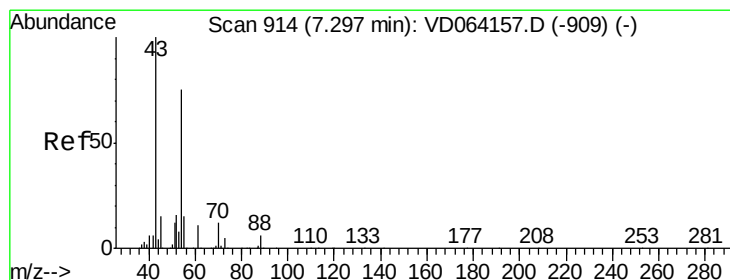
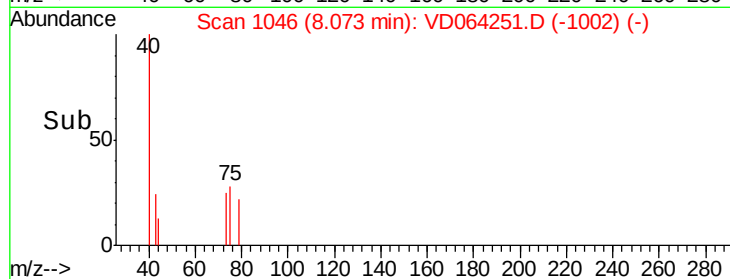
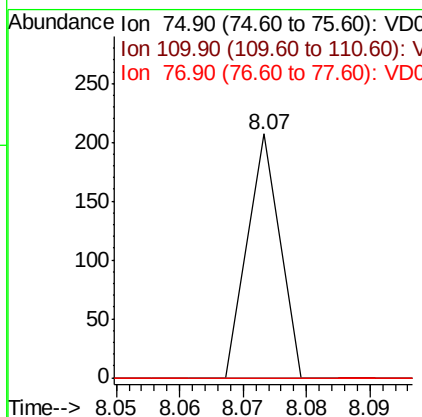
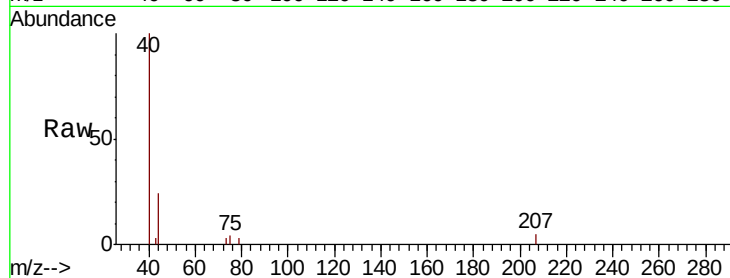




#36
 1,1-Dichloropropene
 Concen: 6.686 ug/l
 RT: 8.07 min Scan# 1046
 Delta R.T. -0.04 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

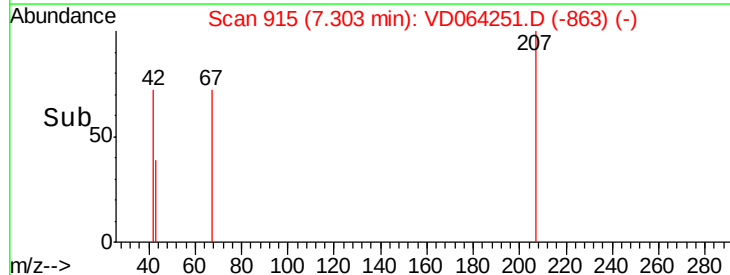
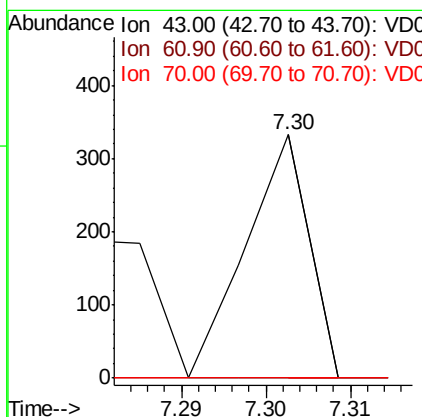
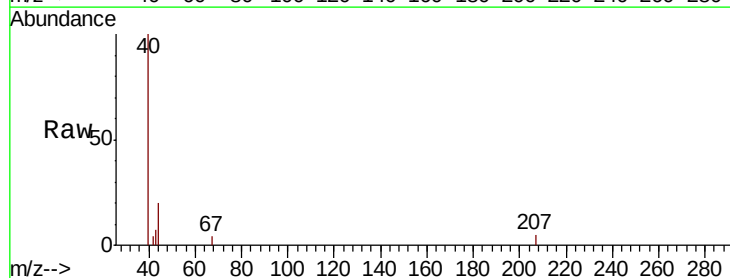
Instrument :
 MSVOA_D
 ClientSampled :

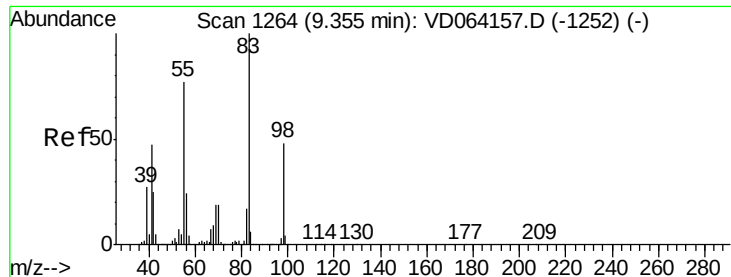
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 37.369 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.0	8.5	12.7#

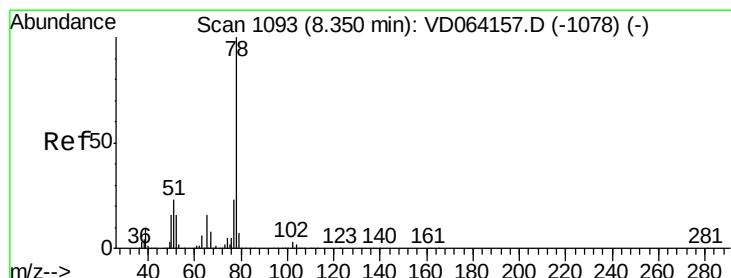
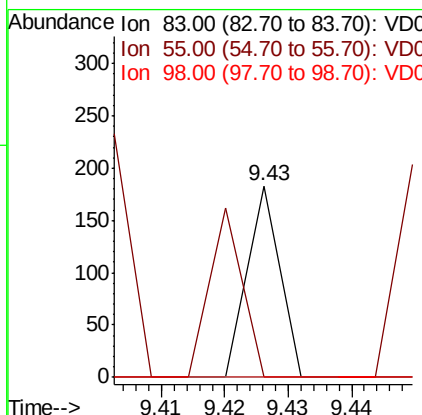
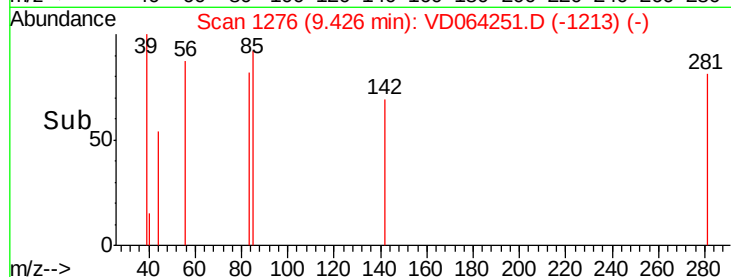
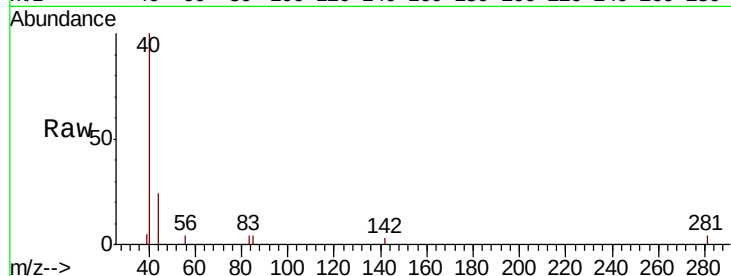




#39
Methylvlcyclohexane
Concen: 4.705 ug/l
RT: 9.43 min Scan# 1276
Delta R.T. 0.07 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

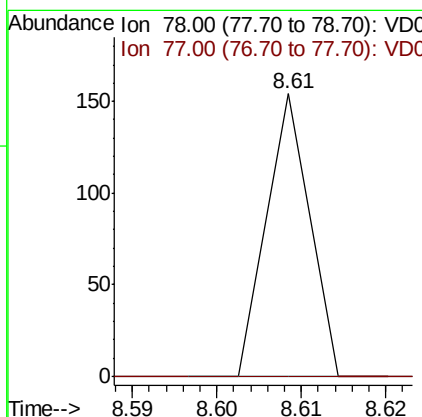
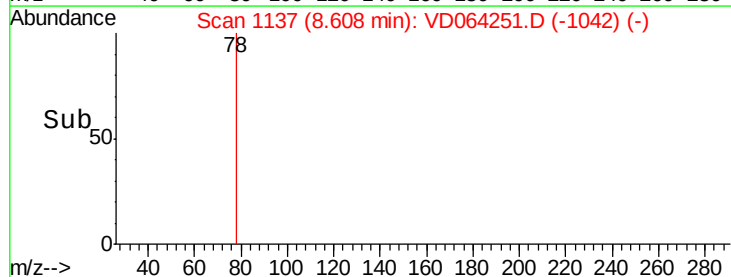
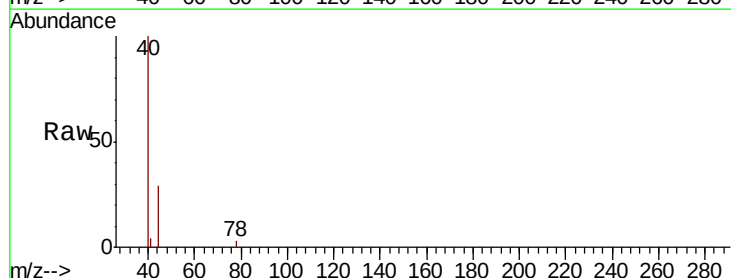
Instrument :
MSVOA_D
ClientSampleId :

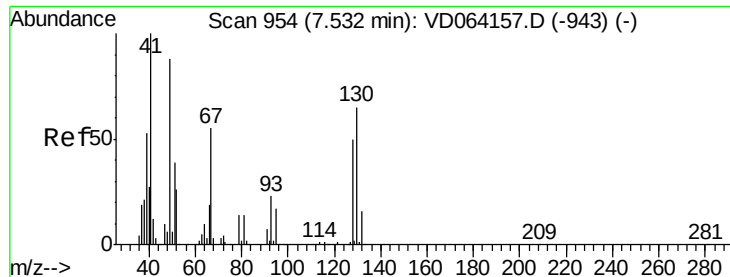
Tot Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 0.0 38.6 58.0#



#40
Benzene
Concen: 1.810 ug/l
RT: 8.61 min Scan# 1137
Delta R.T. 0.26 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 78 Resp: 54
Ion Ratio Lower Upper
78 100
77 0.0 18.6 28.0#

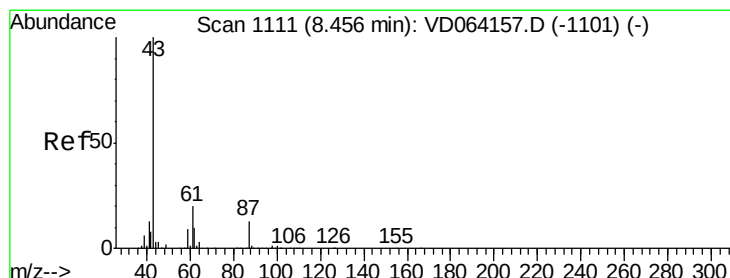
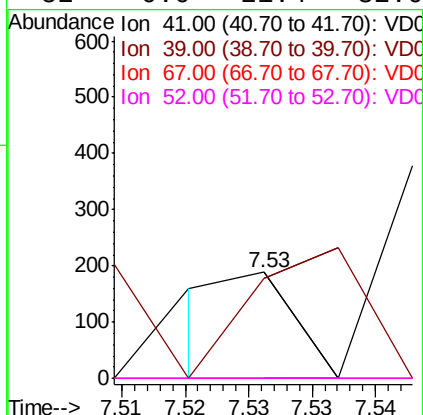
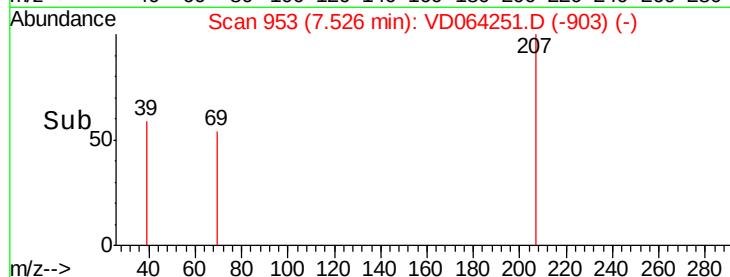
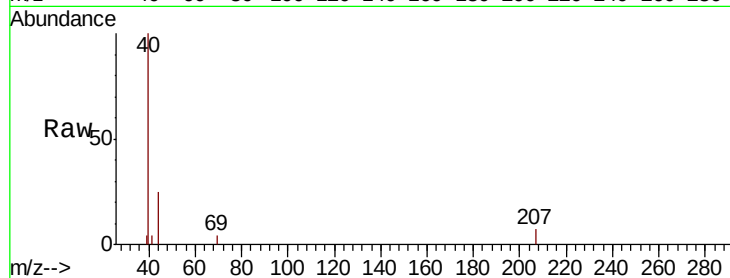




#41
Methacrylonitrile
Concen: 23.160 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

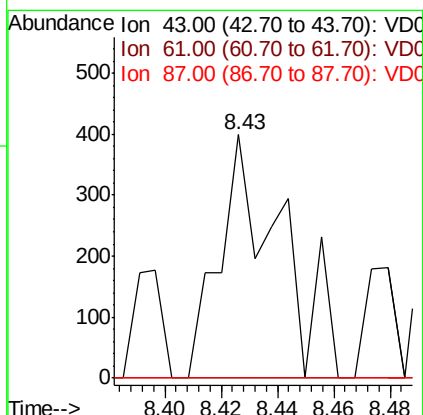
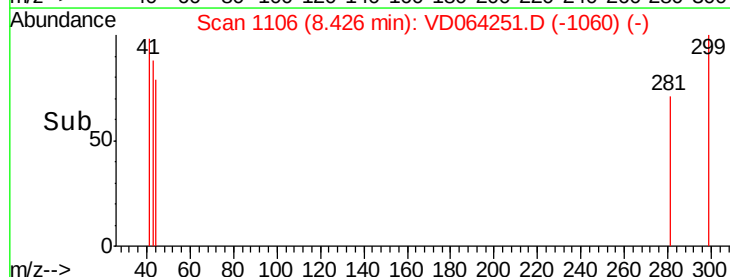
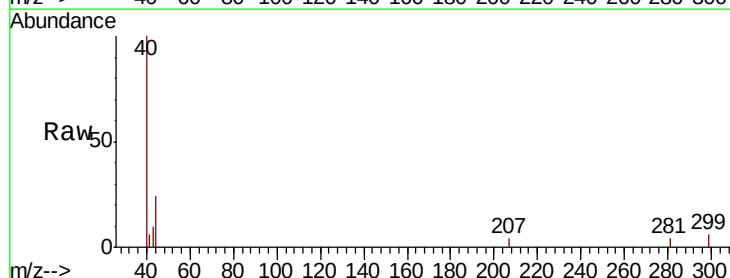
Instrument :
MSVOA_D
ClientSampled :

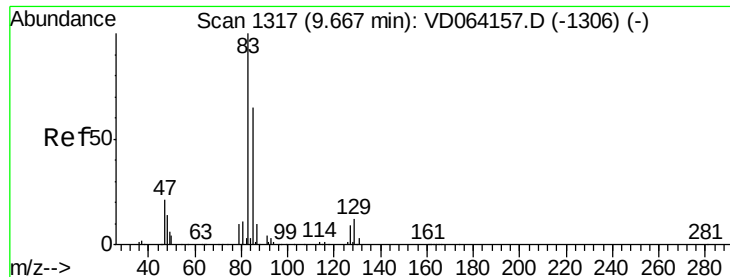
Tot Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.4	74.2#
67	0.0	49.6	74.4#
52	0.0	21.4	32.0#



#43
Isopropyl Acetate
Concen: 63.689 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion:	43	Resp:	604
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.9	34.3#
87	0.0	10.2	15.2#





#47

Bromodichloromethane

Concen: 7.066 ug/l

RT: 9.73 min Scan# 1328

Delta R.T. 0.06 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

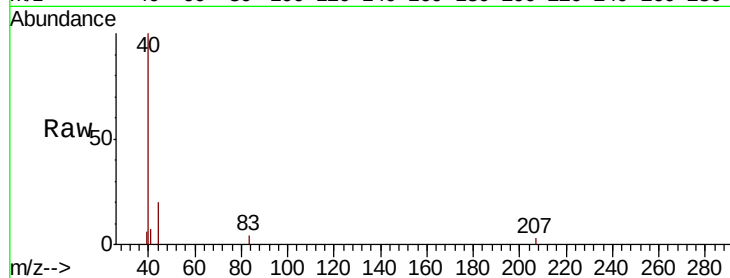
Tot Ion: 83 Resp: 74

Ion Ratio Lower Upper

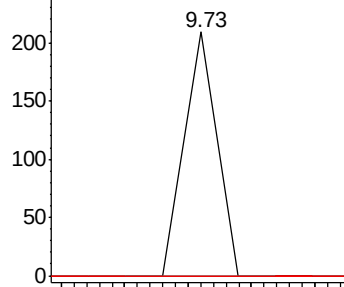
83 100

85 0.0 52.2 78.4#

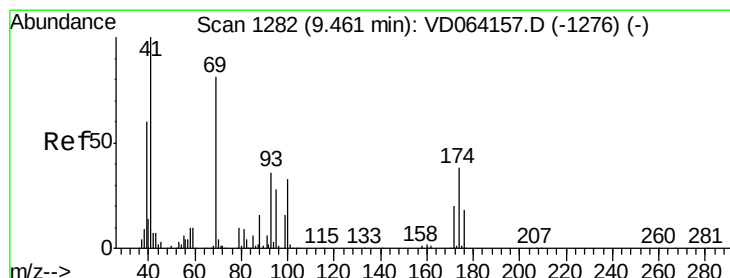
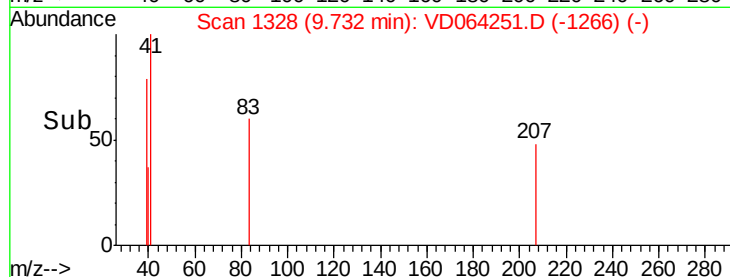
127 0.0 7.5 11.3#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



Time--> 9.71 9.72 9.73 9.74 9.75



#48

Methyl methacrylate

Concen: 102.862 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

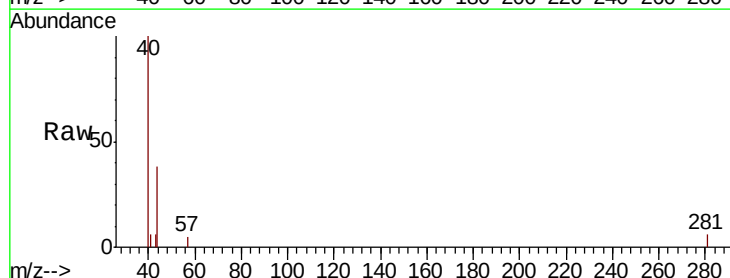
Tgt Ion: 41 Resp: 477

Ion Ratio Lower Upper

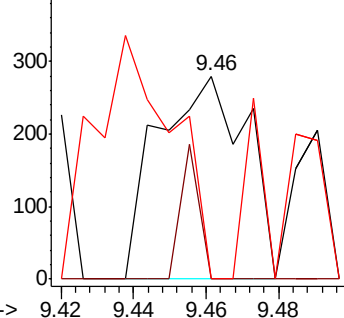
41 100

69 13.8 64.6 97.0#

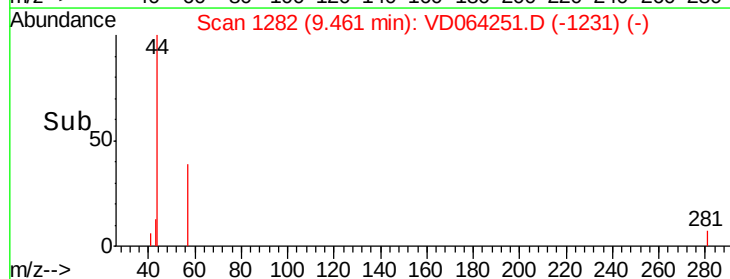
39 18.4 48.2 72.2#

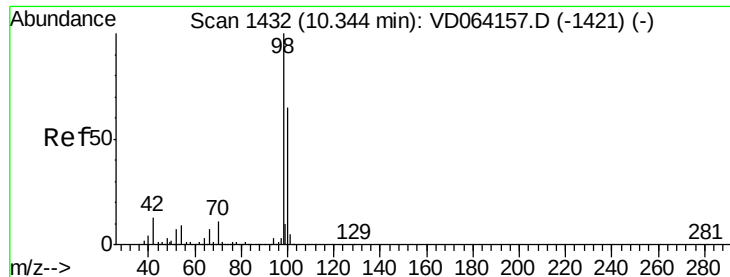


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



Time--> 9.42 9.44 9.46 9.48

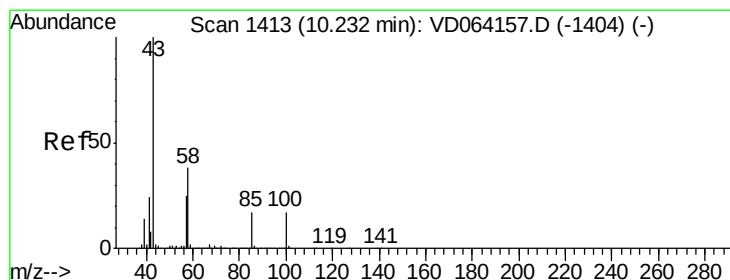
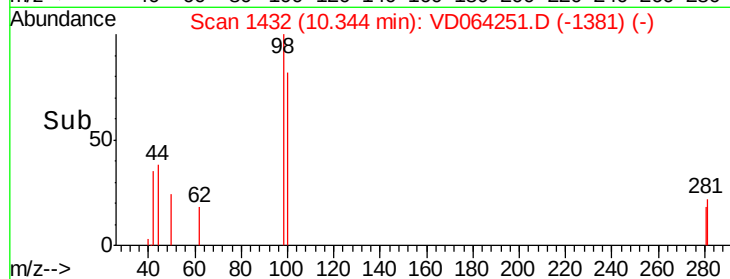
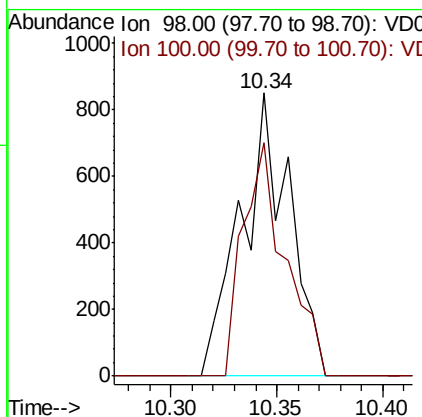
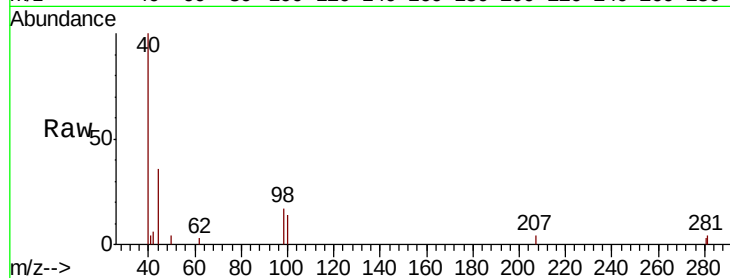




#50
Toluene-d8
Concen: 52.777 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

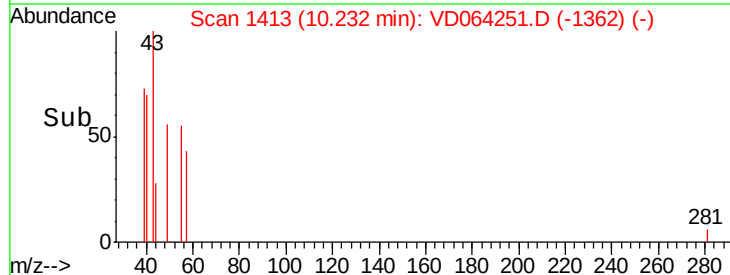
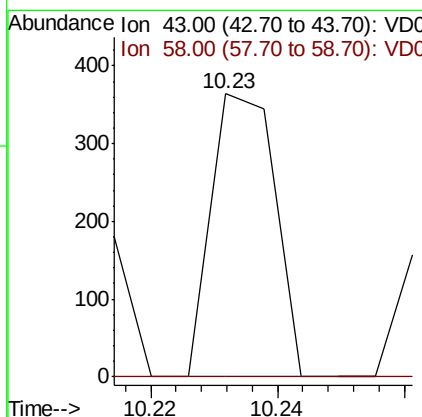
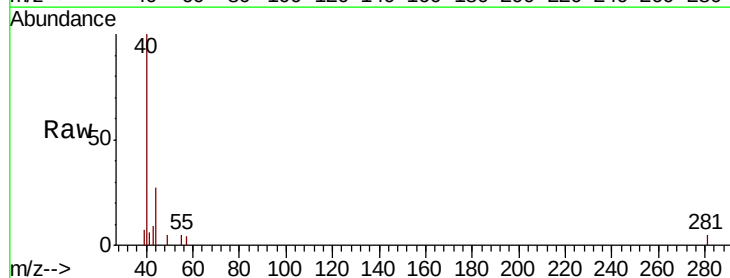
Instrument :
MSVOA_D
ClientSampleId :

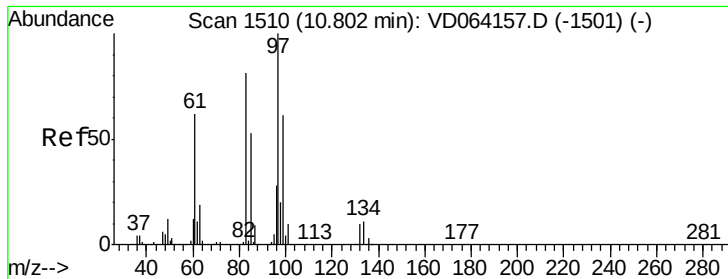
Tot Ion: 98 Resp: 1352
Ion Ratio Lower Upper
98 100
100 72.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 54.971 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.4#

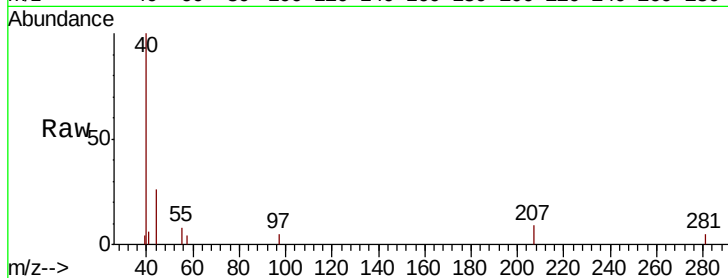




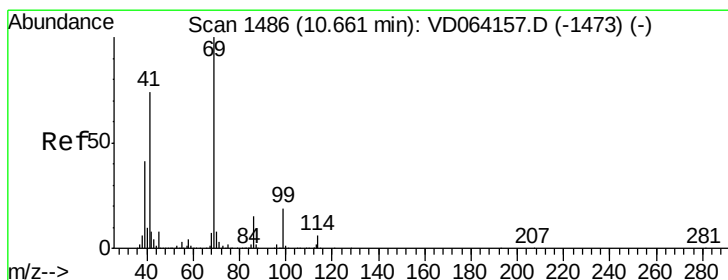
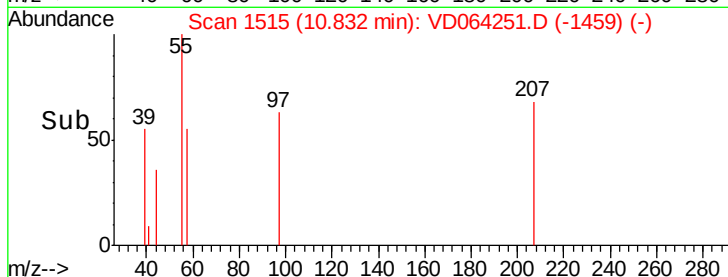
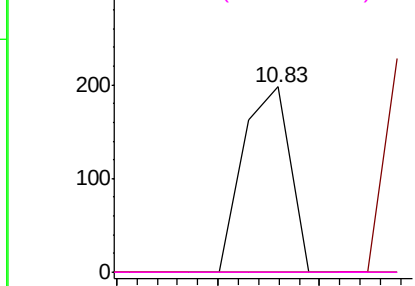
#55
1,1,2-Trichloroethane
Concen: 24.078 ug/l
RT: 10.83 min Scan# 1515
Delta R.T. 0.03 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 127
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 42.0 63.0#
99 0.0 48.9 73.3#

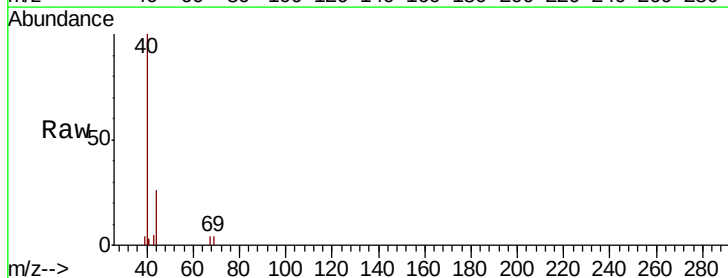


Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 98.90 (98.60 to 99.60): VDC

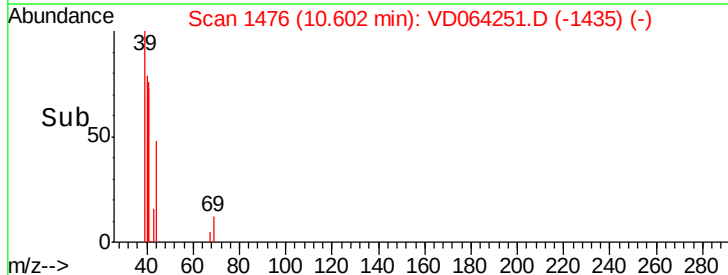
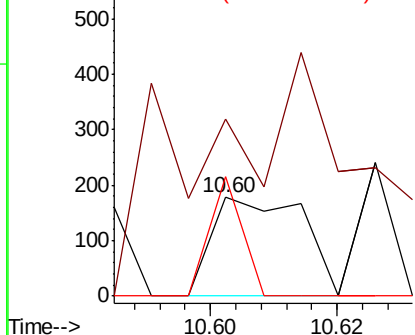


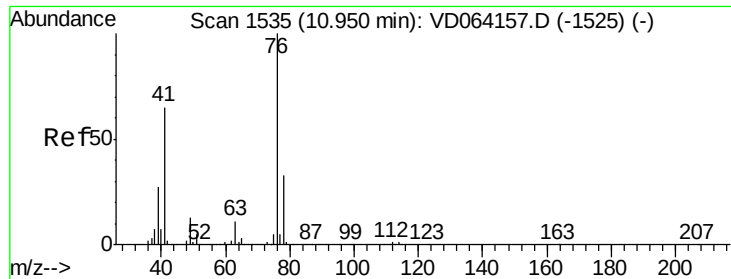
#56
Ethyl methacrylate
Concen: 23.853 ug/l
RT: 10.60 min Scan# 1476
Delta R.T. -0.06 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 69 Resp: 176
Ion Ratio Lower Upper
69 100
41 475.0 57.9 86.9#
39 43.2 29.0 43.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

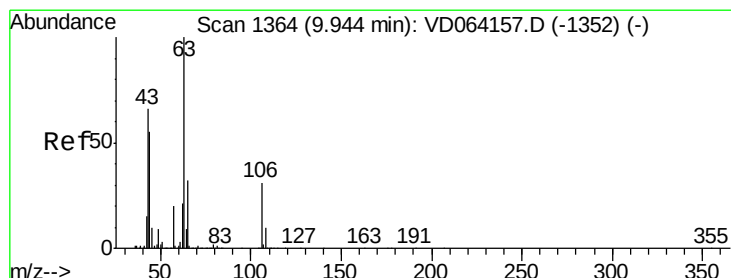
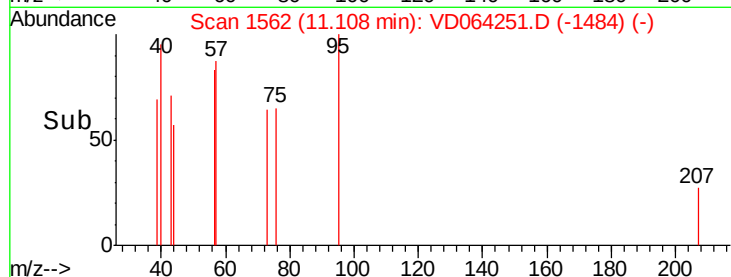
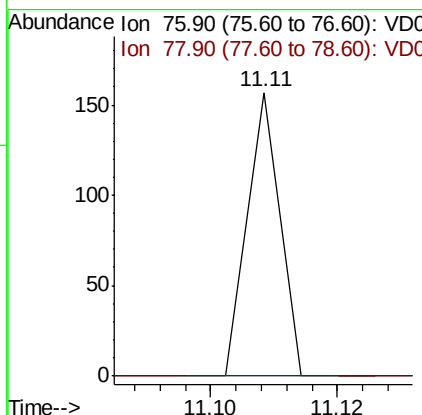
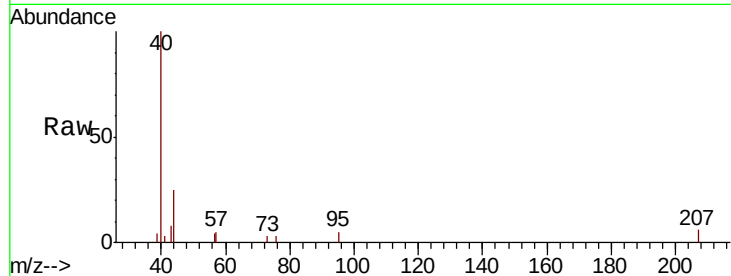




#57
 1,3-Dichloropropane
 Concen: 5.979 ug/l
 RT: 11.11 min Scan# 1562
 Delta R.T. 0.16 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

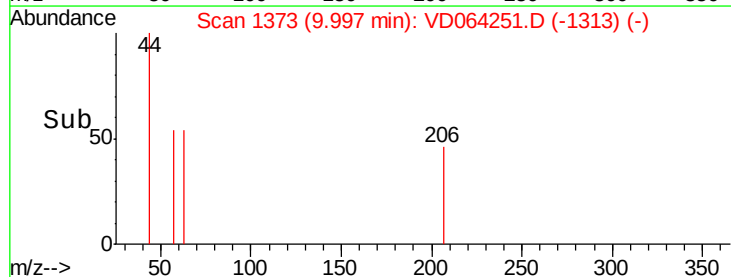
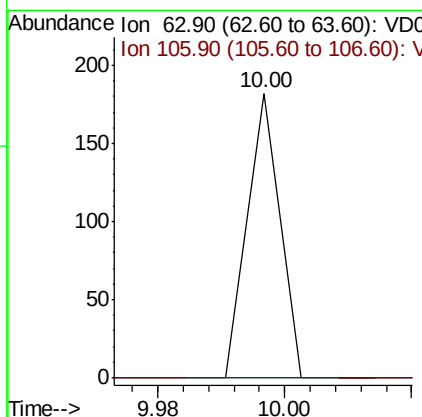
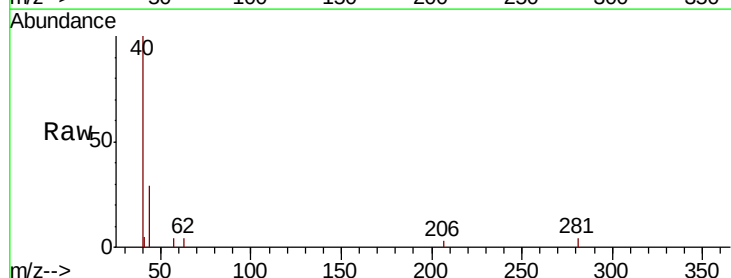
Instrument :
 MSVOA_D
 ClientSampled :

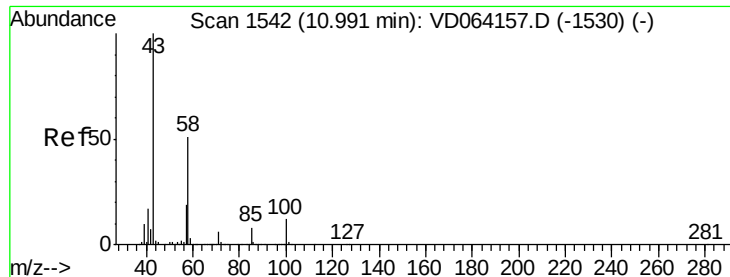
Tot Ion: 76 Resp: 55
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.413 ug/l
 RT: 10.00 min Scan# 1373
 Delta R.T. 0.05 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

Tgt Ion: 63 Resp: 64
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.1 36.1#

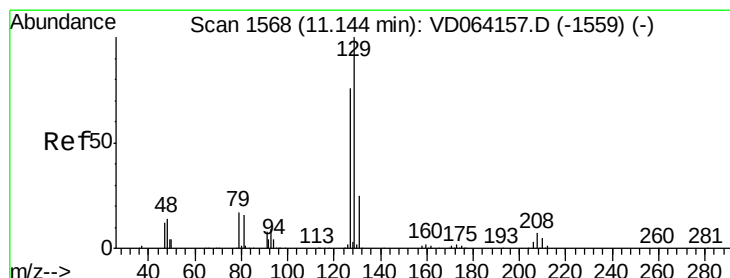
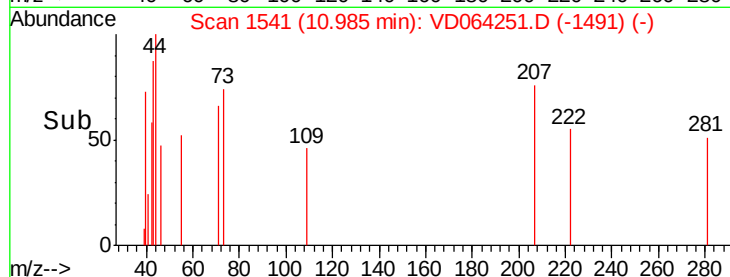
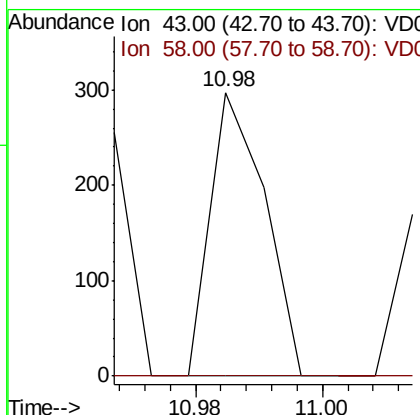
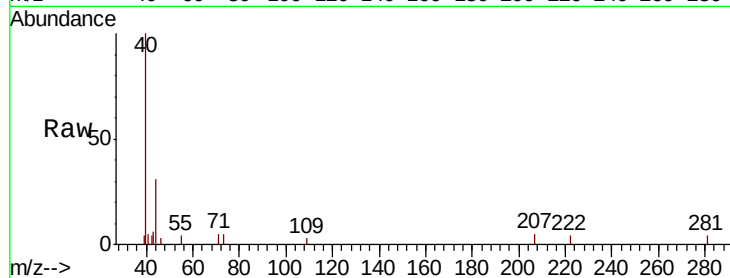




#59
2-Hexanone
Concen: 54.087 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

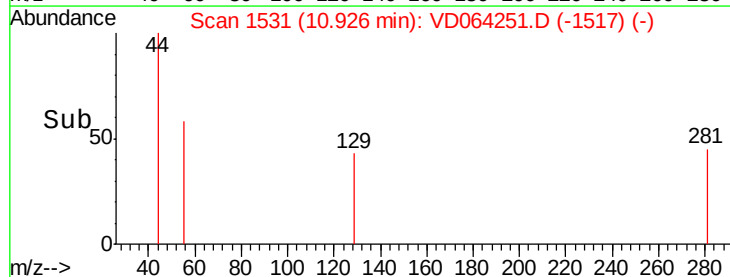
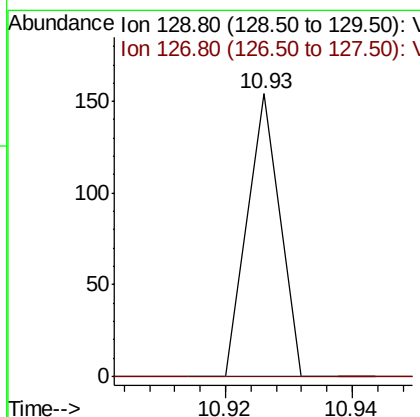
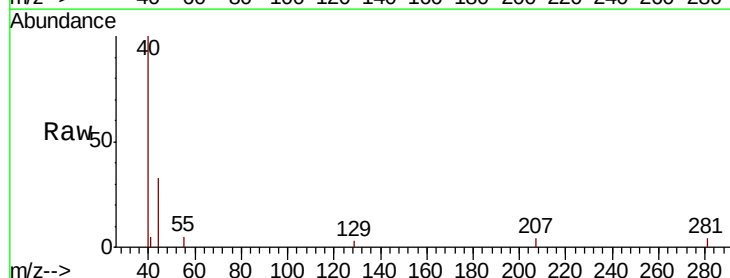
Instrument :
MSVOA_D
ClientSampleId :

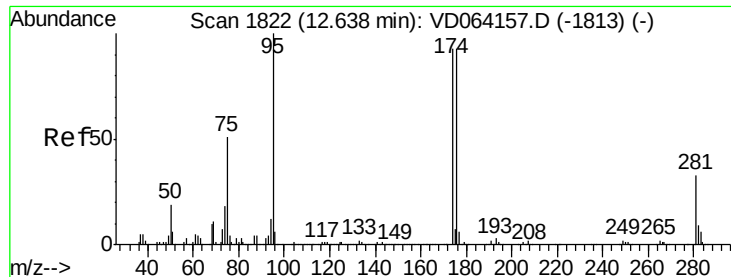
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.7#



#60
Dibromochloromethane
Concen: 7.337 ug/l
RT: 10.93 min Scan# 1531
Delta R.T. -0.22 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 129 Resp: 54
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

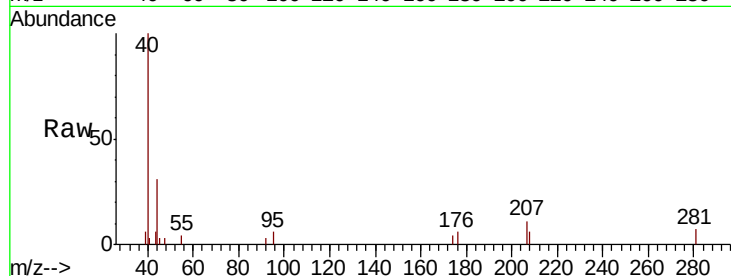




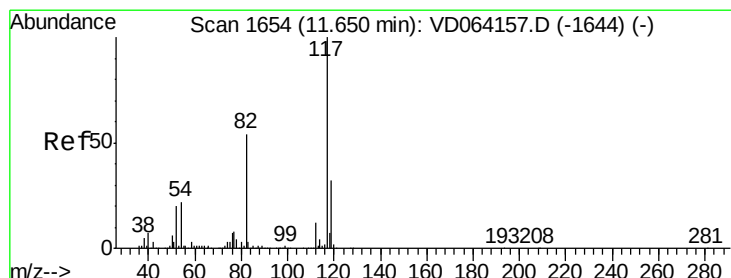
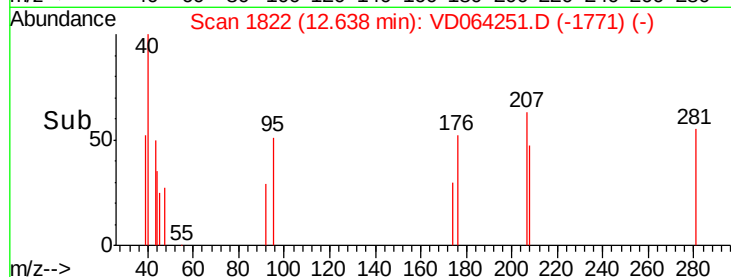
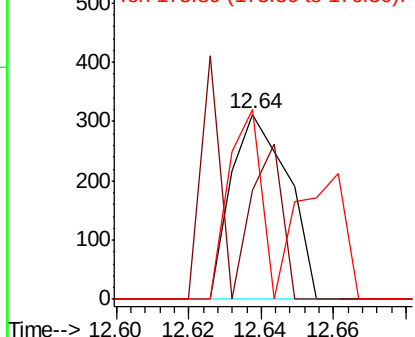
#62
4-Bromofluorobenzene
Concen: 38.551 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 342
Ion Ratio Lower Upper
95 100
174 88.6 0.0 183.6
176 58.8 0.0 180.2

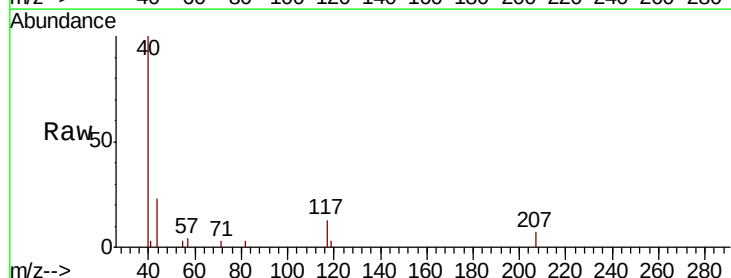


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

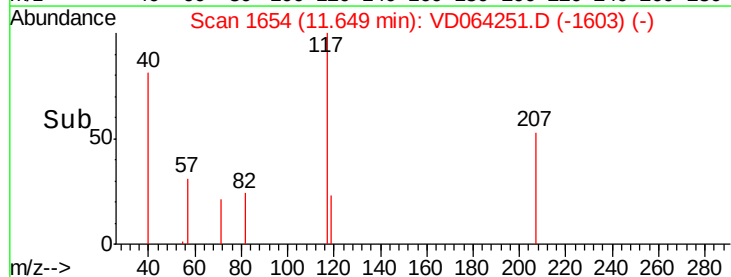
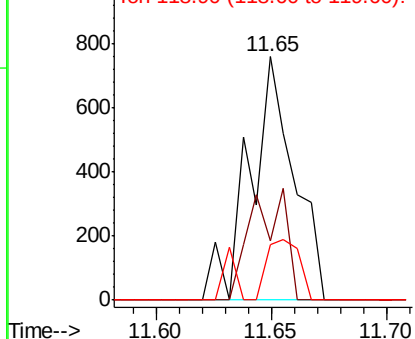


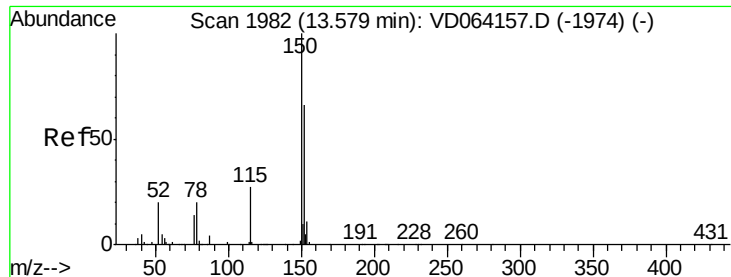
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064251.D
Acq: 16 Nov 2019 04:25

Tgt Ion: 117 Resp: 1025
Ion Ratio Lower Upper
117 100
82 24.4 42.8 64.2#
119 22.9 25.6 38.4#



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

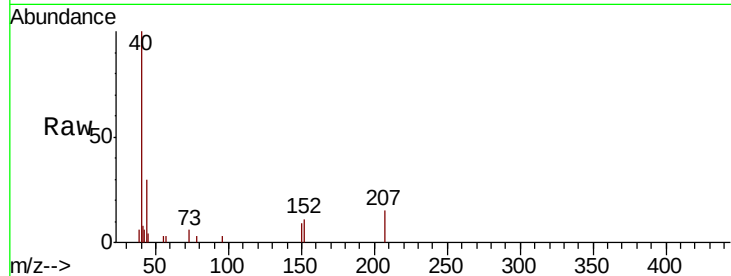
Tot Ion:152 Resp: 371

Ion Ratio Lower Upper

152 100

115 18.6 27.4 82.2#

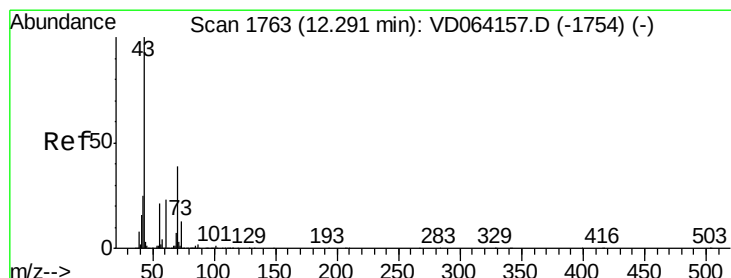
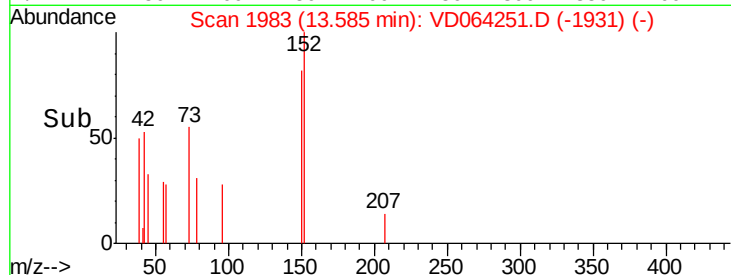
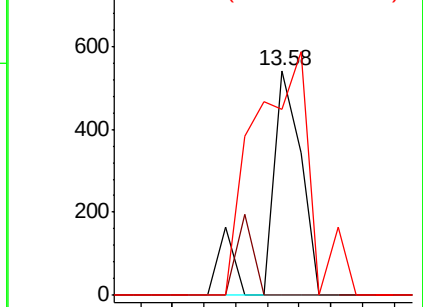
150 195.1 0.0 351.6



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



#74

N-aryl acetate

Concen: 70.911 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Tgt Ion: 43 Resp: 456

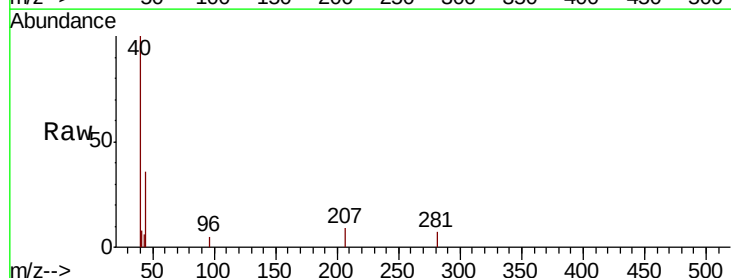
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 12.5 17.9 26.9#

61 0.0 19.0 28.4#

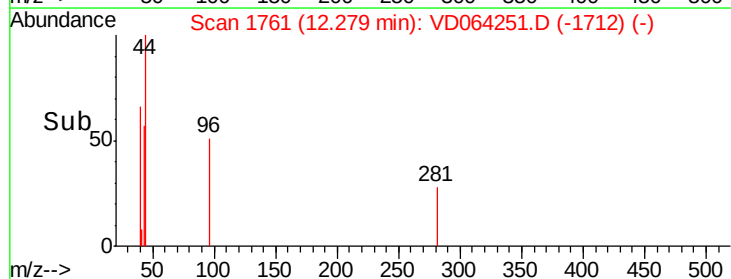
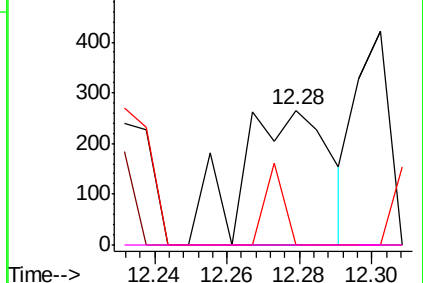


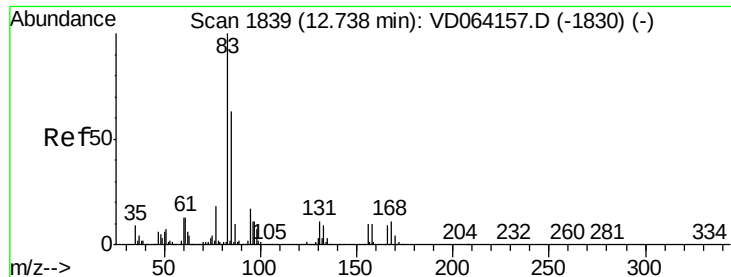
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.060 ug/l

RT: 12.62 min Scan# 1819

Delta R.T. -0.12 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

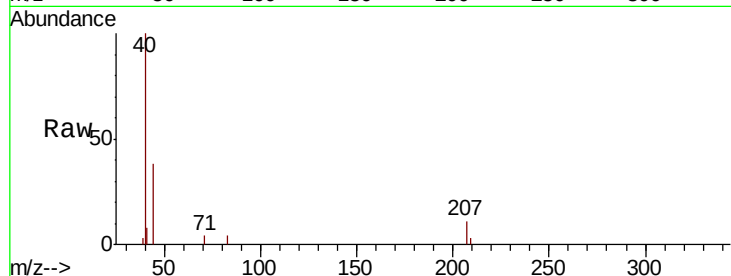
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

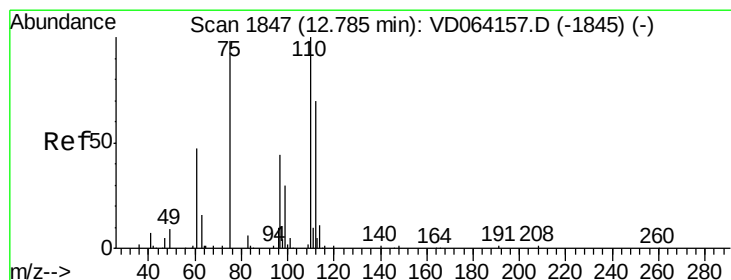
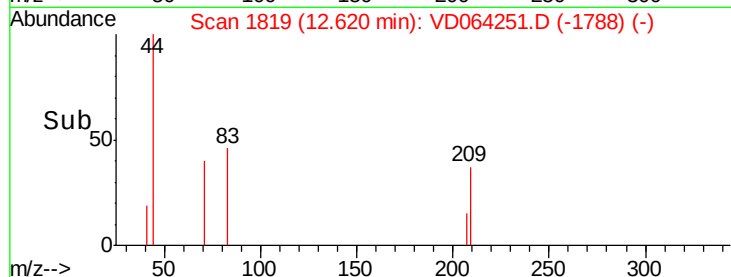
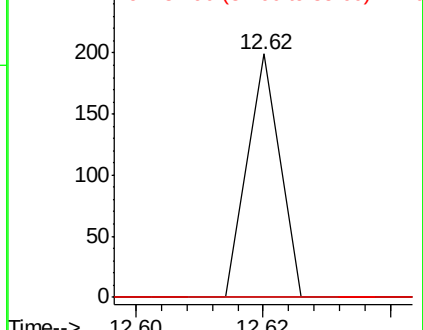
85 0.0 32.5 97.5#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 24.429 ug/l

RT: 13.04 min Scan# 1891

Delta R.T. 0.26 min

Lab File: VD064251.D

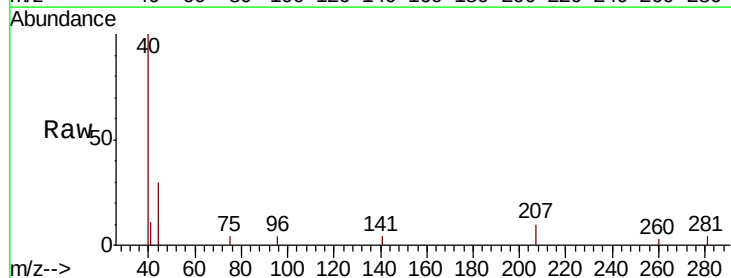
Acq: 16 Nov 2019 04:25

Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

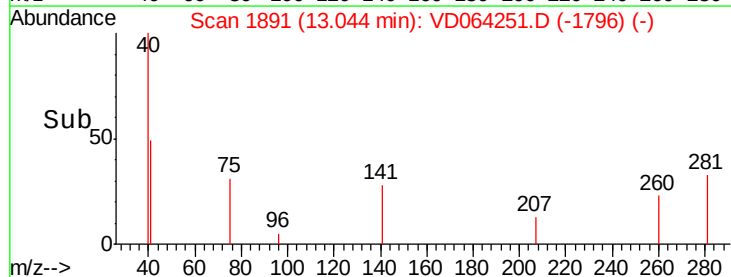
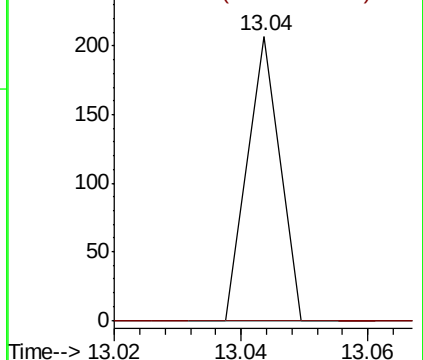
75 100

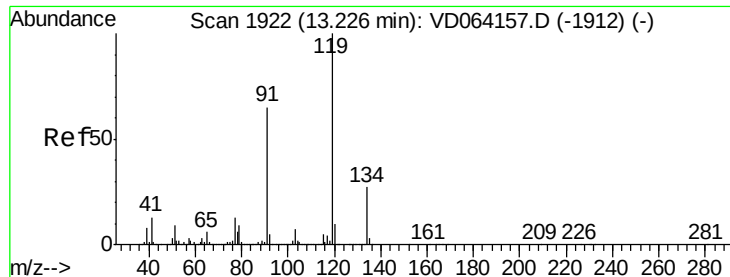
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#83

tert-Butylbenzene

Concen: 2.889 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.05 min

Lab File: VD064251.D

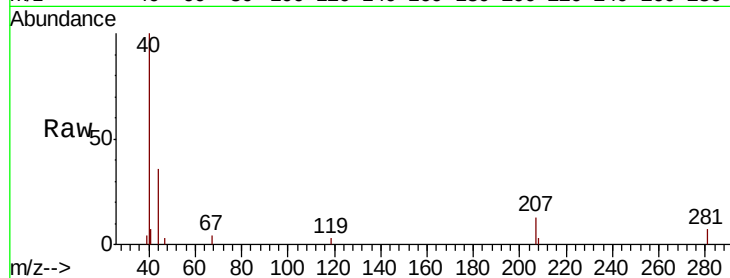
Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	119	Resp:	57
Ion	Ratio	Lower	Upper
119	100		
91	0.0	31.8	95.4#
134	0.0	13.7	41.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

13.28

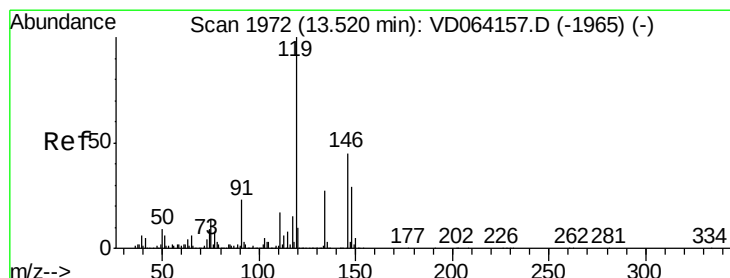
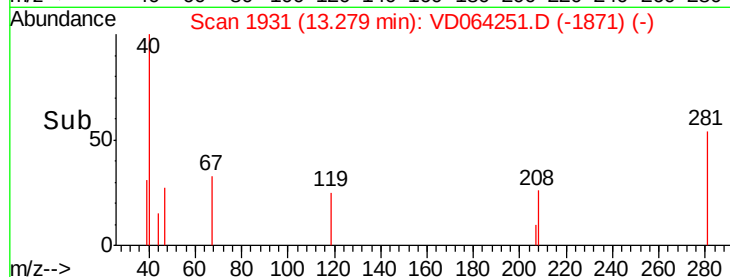
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: 4.723 ug/l

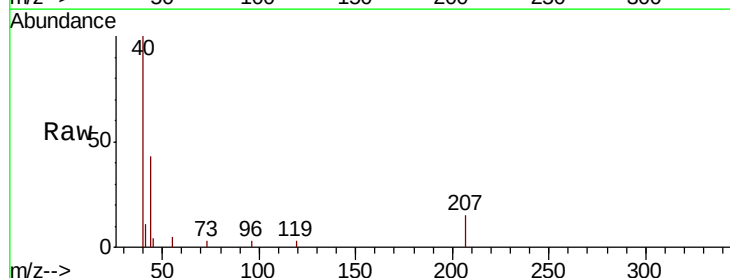
RT: 13.63 min Scan# 1990

Delta R.T. 0.11 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Tgt Ion:	119	Resp:	119
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.5	40.5#
91	0.0	11.5	34.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.63

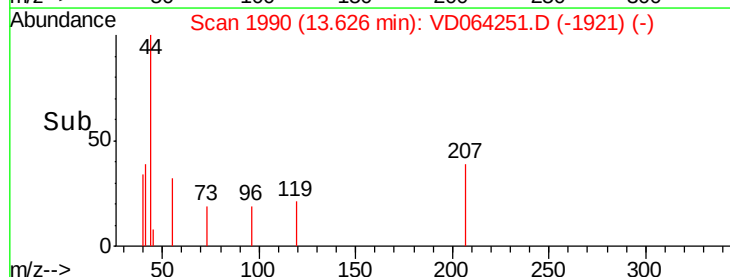
150

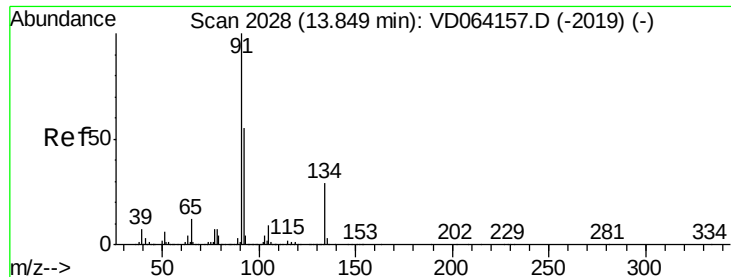
100

50

0

Time-->





#89

n-Butylbenzene

Concen: 5.975 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD064251.D

Acq: 16 Nov 2019 04:25

Instrument :

MSVOA_D

ClientSampleId :

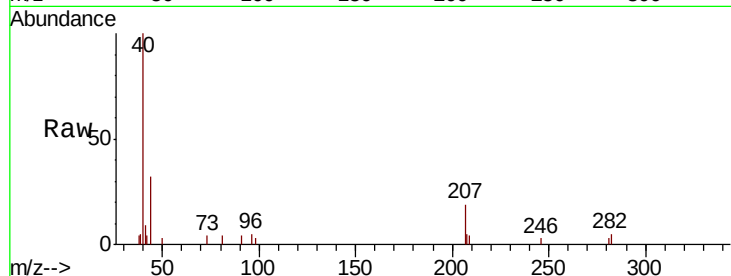
Tot Ion: 91 Resp: 136

Ion Ratio Lower Upper

91 100

92 0.0 27.3 81.8#

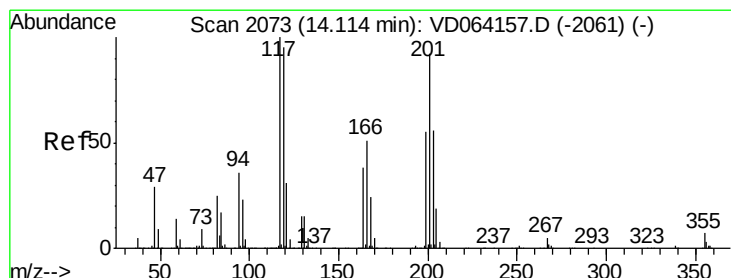
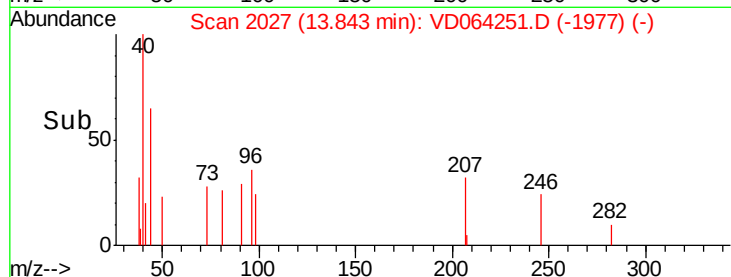
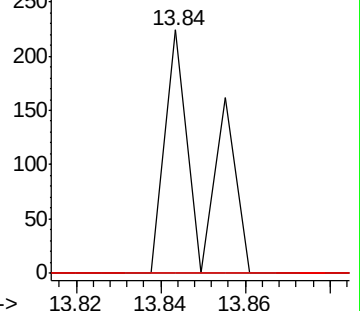
134 0.0 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 12.027 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.21 min

Lab File: VD064251.D

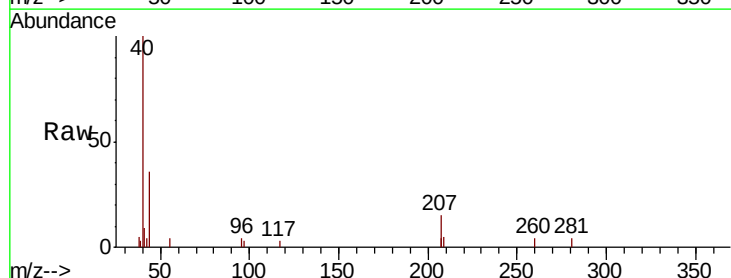
Acq: 16 Nov 2019 04:25

Tgt Ion: 117 Resp: 56

Ion Ratio Lower Upper

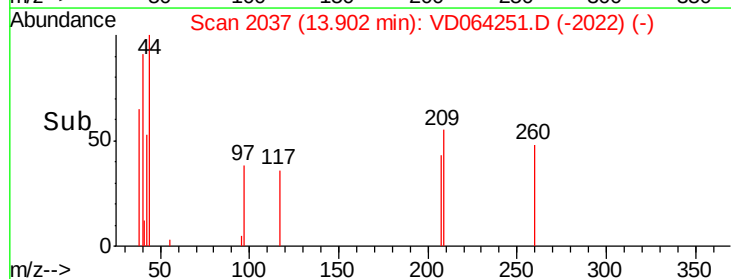
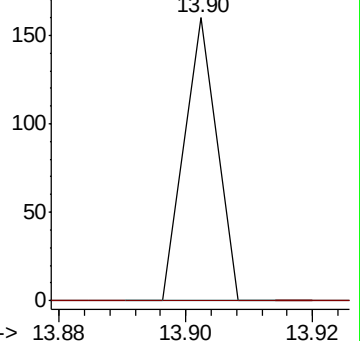
117 100

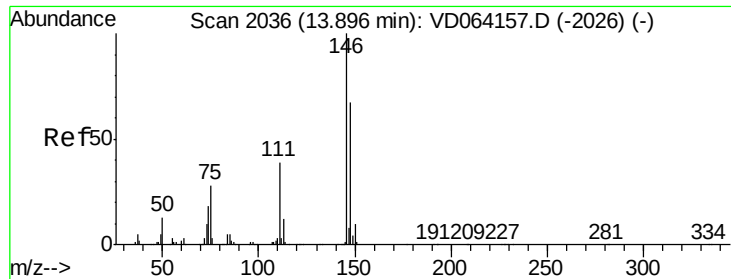
201 0.0 45.8 137.4#



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

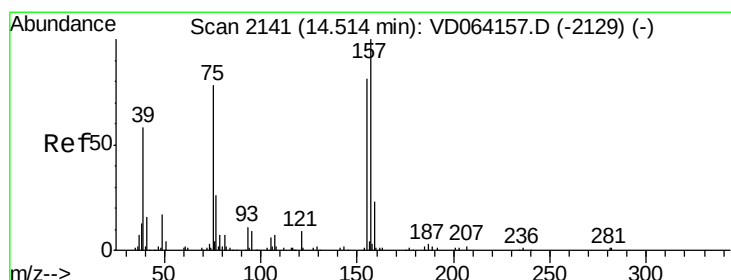
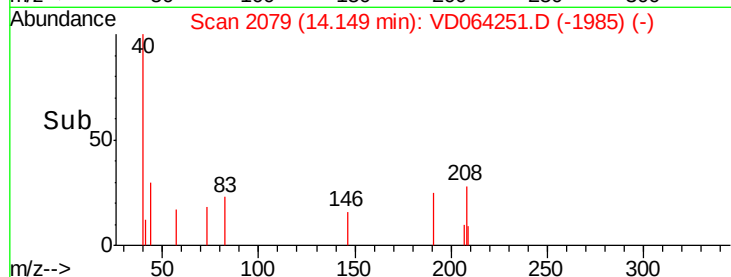
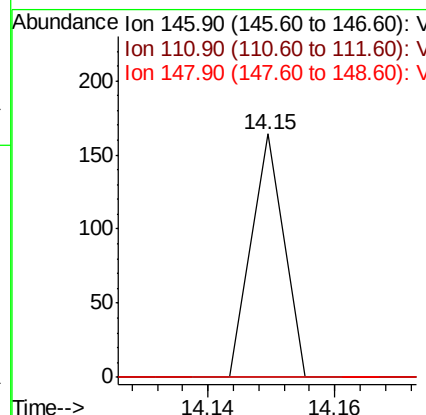
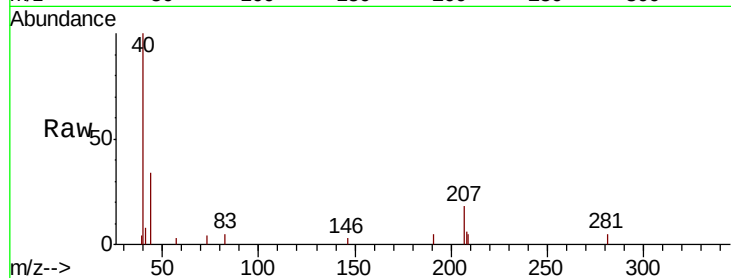




#91
 1,2-Dichlorobenzene
 Concen: 5.580 ug/l
 RT: 14.15 min Scan# 2079
 Delta R.T. 0.25 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	0.0	32.3	96.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.606 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064251.D
 Acq: 16 Nov 2019 04:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.0	144.0#
157	0.0	61.5	184.4#

