

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063931.D
 Acq On : 11 Oct 2019 12:25
 Operator : VA/SY
 Sample : K5297-04RE
 Misc : 5.89G/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:35:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	18910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	33464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	35761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	19374	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	14913	81.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	162.00%	
35) Dibromofluoromethane	7.92	113	10468	51.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.38%	
50) Toluene-d8	10.34	98	43420	52.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.63	95	18686	64.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	129.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	750	Below Cal		94
5) Bromomethane	2.78	94	768	2.756	ug/l	92
8) Diethyl Ether	3.56	74	323	3.512	ug/l	90
11) Tert butyl alcohol	5.28	59	70	Below Cal	#	71
13) Acrolein	3.91	56	77	4.683	ug/l #	17
15) Acrylonitrile	5.43	53	60	1.480	ug/l #	54
16) Acetone	4.17	43	1741	36.322	ug/l	96
17) Carbon Disulfide	4.40	76	695	1.206	ug/l #	79
18) Methyl Acetate	4.73	43	330	3.520	ug/l #	49
19) Methyl tert-butyl Ether	5.50	73	829	2.020	ug/l #	53
20) Methylene Chloride	4.96	84	179	Below Cal	#	47
21) trans-1,2-Dichloroethene	5.47	96	276	1.399	ug/l #	23
25) 2-Butanone	7.23	43	911	16.037	ug/l #	51
28) Bromochloromethane	7.54	49	171	3.171	ug/l #	10
29) Tetrahydrofuran	7.55	42	158	4.765	ug/l #	31
31) Cyclohexane	7.98	56	954	Below Cal	#	79
37) Ethyl Acetate	7.30	43	207	Below Cal	#	68
39) Methylcyclohexane	9.35	83	2132	5.667	ug/l #	49
43) Isopropyl Acetate	8.44	43	663	2.584	ug/l #	49
45) 1,2-Dichloropropane	9.41	63	227	1.058	ug/l #	41
47) Bromodichloromethane	9.65	83	450	1.430	ug/l #	26
48) Methyl methacrylate	9.48	41	1448	11.778	ug/l #	30
49) 1,4-Dioxane	9.64	88	68	40.758	ug/l #	63
51) 4-Methyl-2-Pentanone	10.34	43	395	2.968	ug/l	94
52) Toluene	10.41	92	676	1.123	ug/l #	65
55) 1,1,2-Trichloroethane	10.78	97	3429	19.869	ug/l #	25
59) 2-Hexanone	11.24	43	205	2.130	ug/l	71
67) Ethyl Benzene	11.75	91	13807	10.662	ug/l	90
68) m/p-Xylenes	11.86	106	6718	13.440	ug/l	81
69) o-Xylene	12.17	106	2273	4.749	ug/l	97
70) Styrene	12.18	104	1117	1.379	ug/l #	87
71) Bromoform	12.63	173	249	1.753	ug/l #	1
73) Isopropylbenzene	12.48	105	7436	5.709	ug/l	96
74) N-amyl acetate	12.27	43	2171	7.742	ug/l #	67

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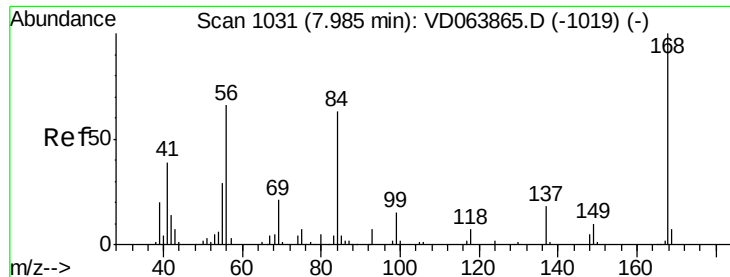
Instrument :
 MSVOA_D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	12.71	83	1279	5.643	ug/l #	69
76) 1,2,3-Trichloropropane	12.77	75	368	2.836	ug/l #	100
78) n-propylbenzene	12.82	91	31158	20.381	ug/l	99
79) 2-Chlorotoluene	12.92	91	5027	5.964	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.96	105	42867	39.451	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.63	75	8527	116.285	ug/l #	15
82) 4-Chlorotoluene	13.01	91	935	1.046	ug/l #	49
83) tert-Butylbenzene	13.27	119	19769	20.443	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.27	105	151742	135.462	ug/l	97
85) sec-Butylbenzene	13.40	105	10093	7.729	ug/l #	63
86) p-Isopropyltoluene	13.46	119	6031	4.880	ug/l	87
89) n-Butylbenzene	13.84	91	28434	24.719	ug/l #	71
90) Hexachloroethane	14.12	117	42217	189.945	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2428	69.931	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.17	180	805	1.888	ug/l #	81
95) Naphthalene	15.40	128	378102	527.651	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	676	1.838	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

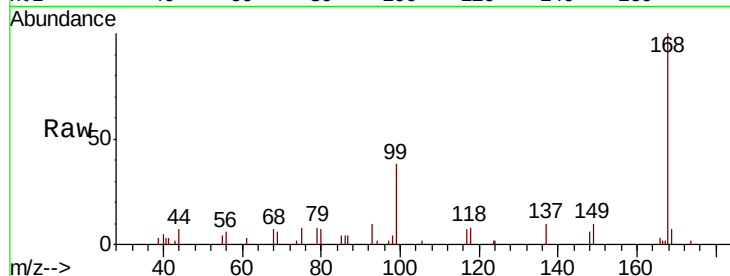
ClientSampleId :

Tot Ion:168 Resp: 18910

Ion Ratio Lower Upper

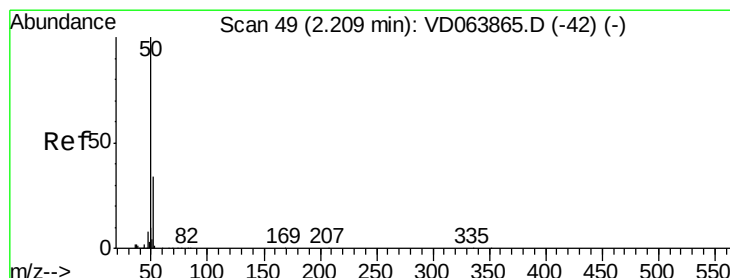
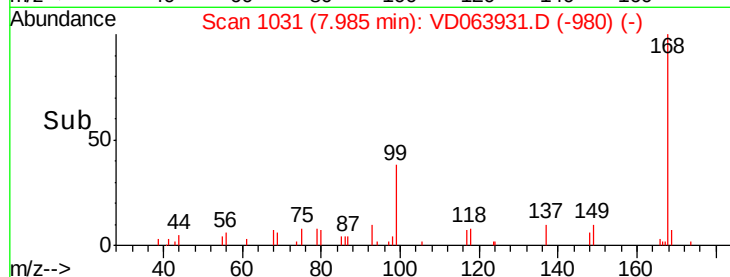
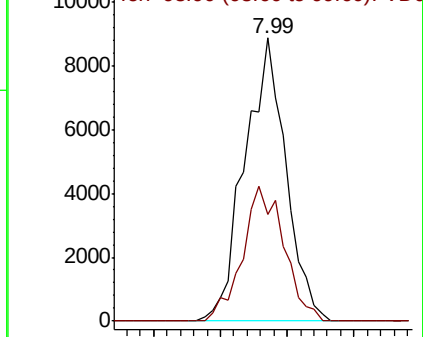
168 100

99 37.6 43.0 64.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063931.D

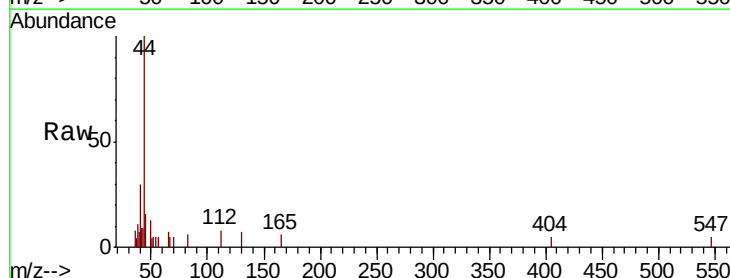
Acq: 11 Oct 2019 12:25

Tgt Ion: 50 Resp: 750

Ion Ratio Lower Upper

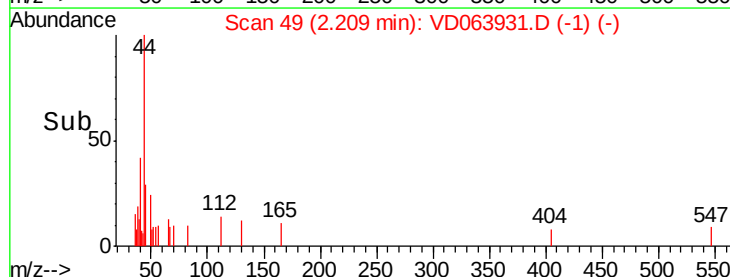
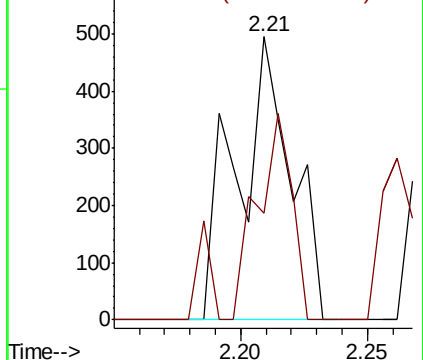
50 100

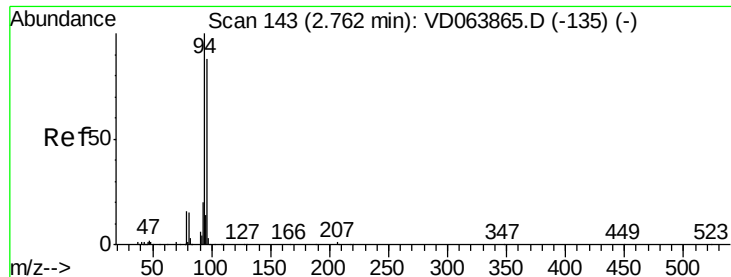
52 37.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 2.756 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

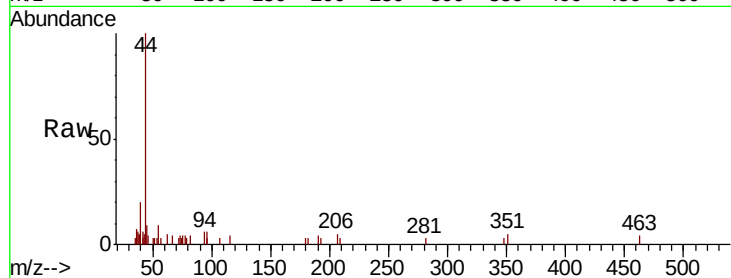
ClientSampleId :

Tot Ion: 94 Resp: 768

Ion Ratio Lower Upper

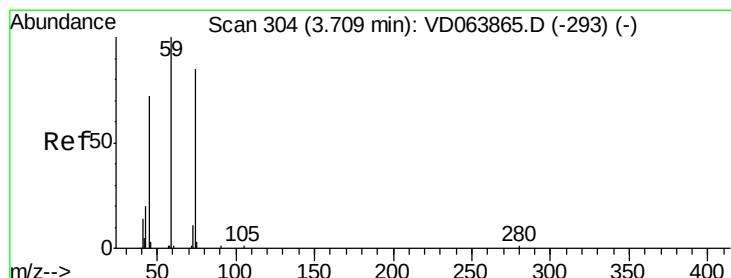
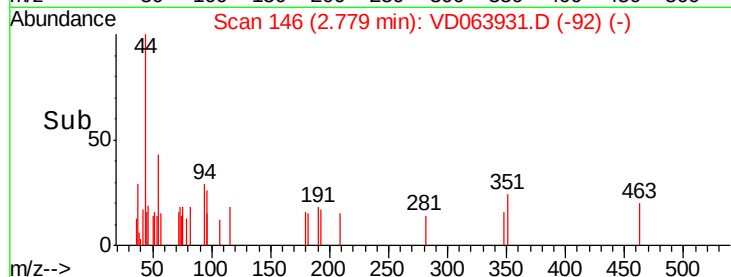
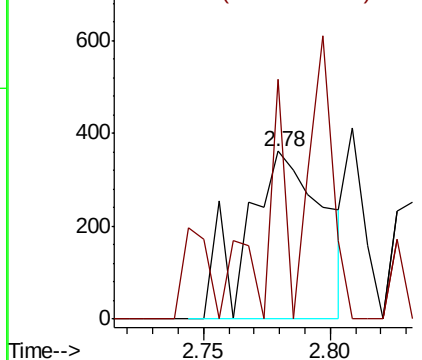
94 100

96 95.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 3.512 ug/l

RT: 3.56 min Scan# 278

Delta R.T. -0.15 min

Lab File: VD063931.D

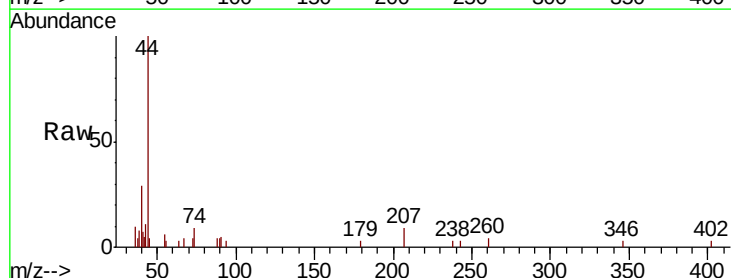
Acq: 11 Oct 2019 12:25

Tgt Ion: 74 Resp: 323

Ion Ratio Lower Upper

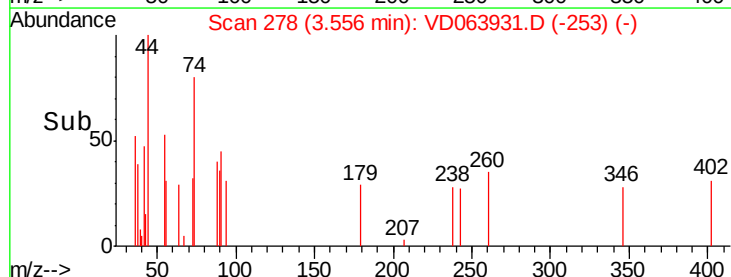
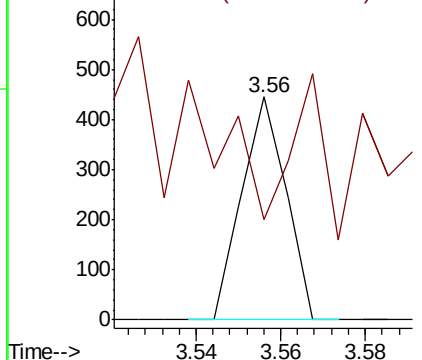
74 100

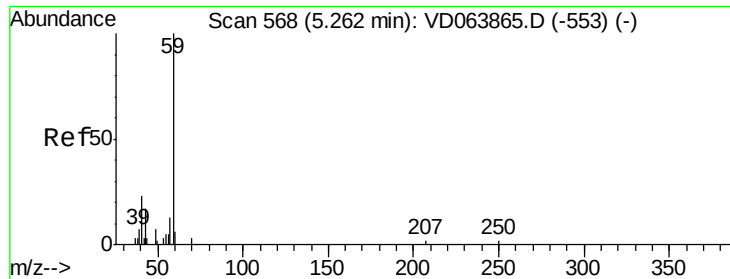
45 105.9 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



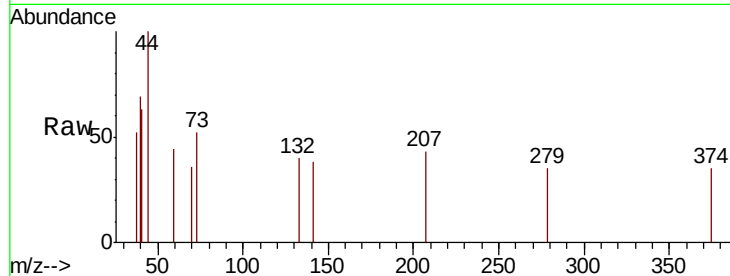


#11

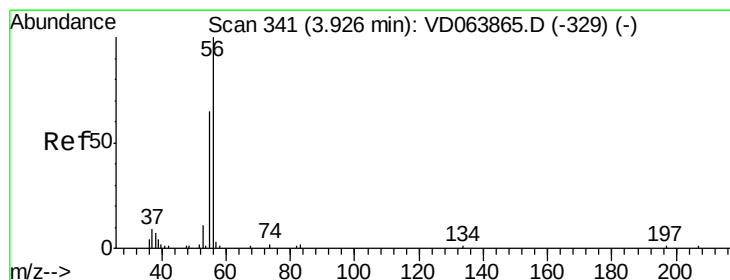
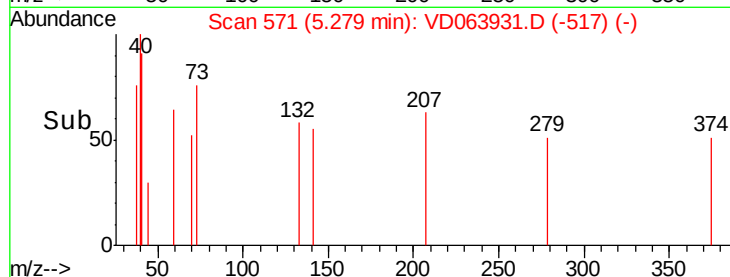
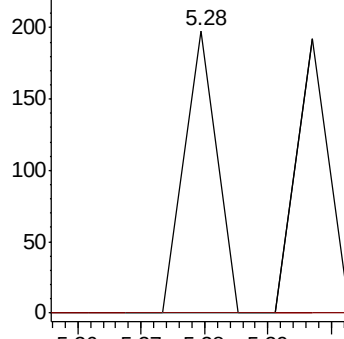
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.28 min Scan# 571
 Delta R.T. 0.02 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 70
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



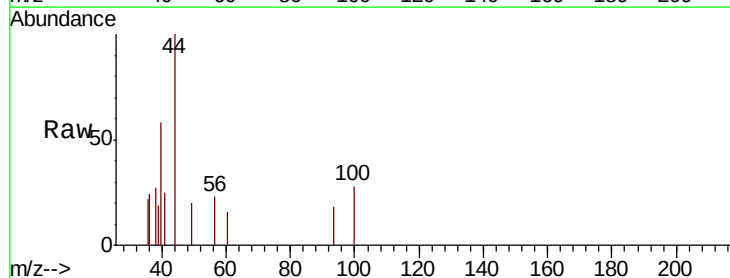
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



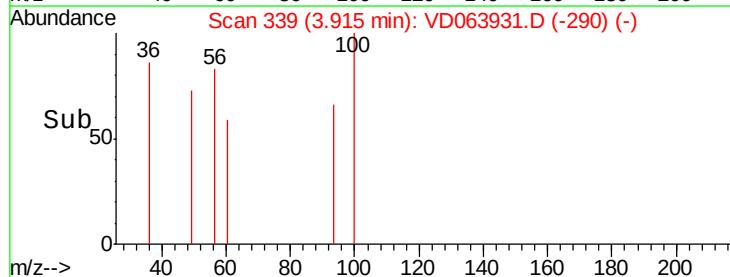
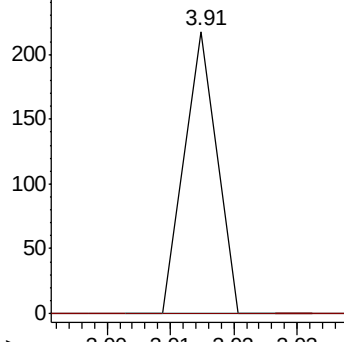
#13

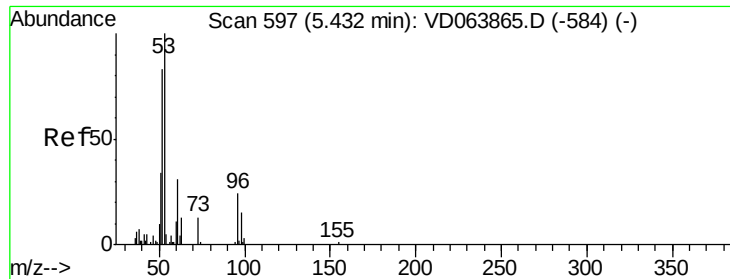
Acrolein
 Concen: 4.683 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion: 56 Resp: 77
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC

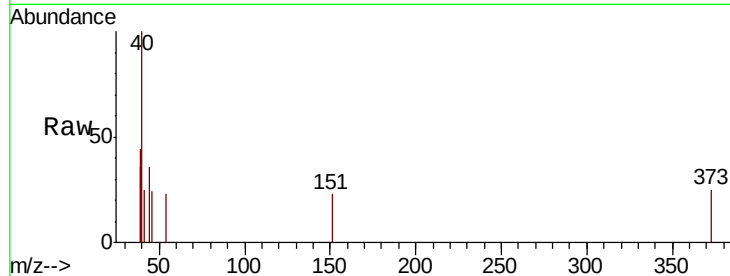




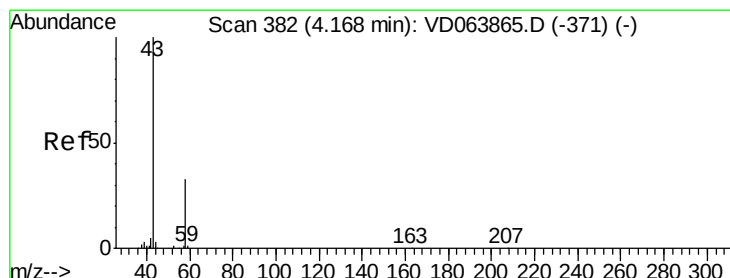
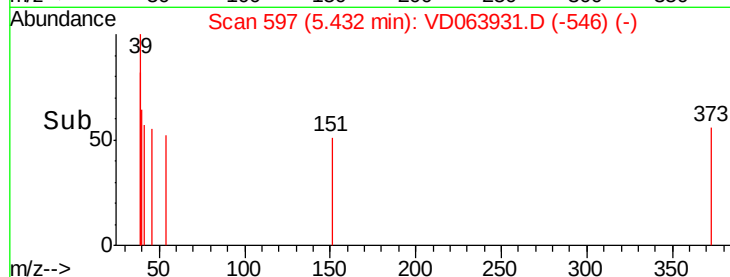
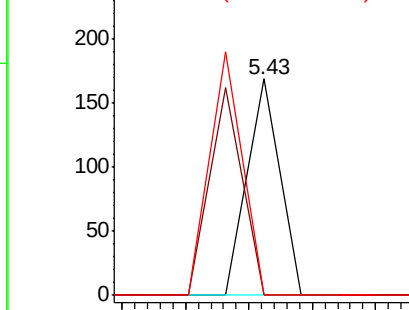
#15
 Acrylonitrile
 Concen: 1.480 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 53 Resp: 60
 Ion Ratio Lower Upper
 53 100
 52 95.0 67.3 100.9
 51 111.7 30.5 45.7#

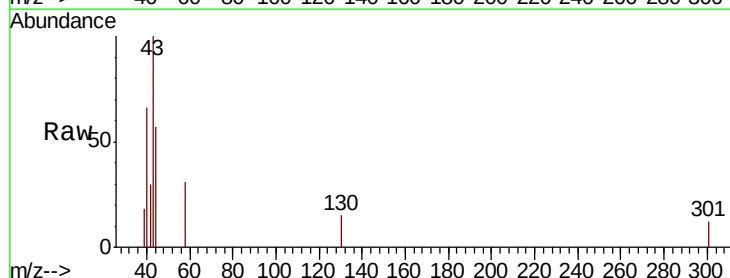


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

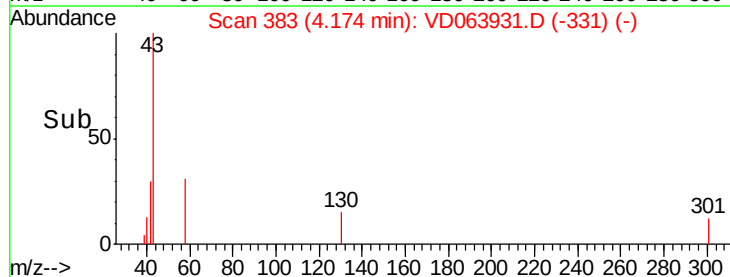
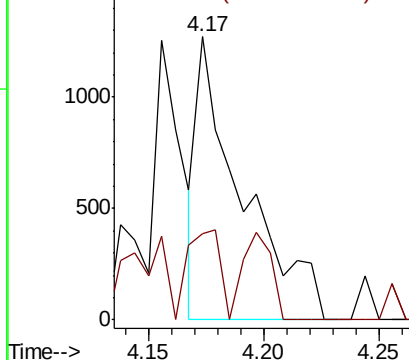


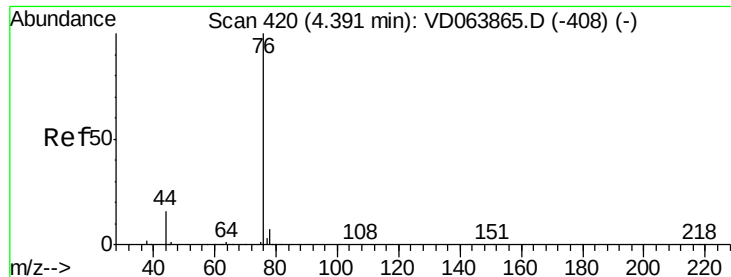
#16
 Acetone
 Concen: 36.322 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion: 43 Resp: 1741
 Ion Ratio Lower Upper
 43 100
 58 30.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.206 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

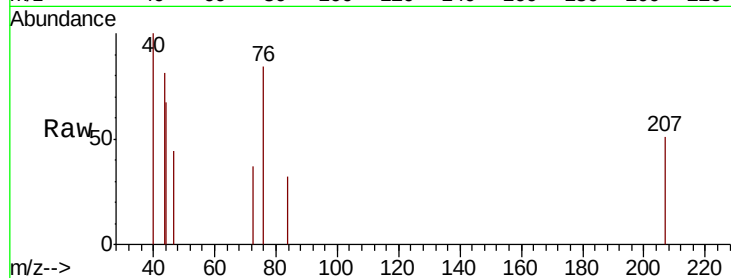
ClientSampleId :

Tot Ion: 76 Resp: 695

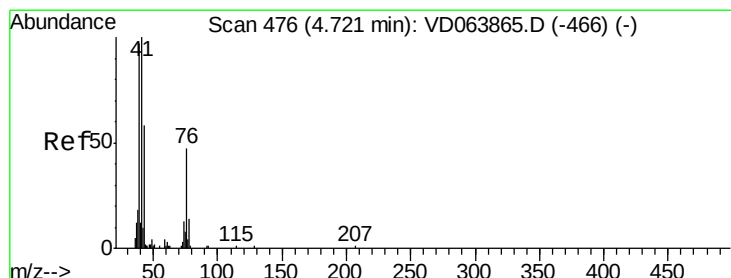
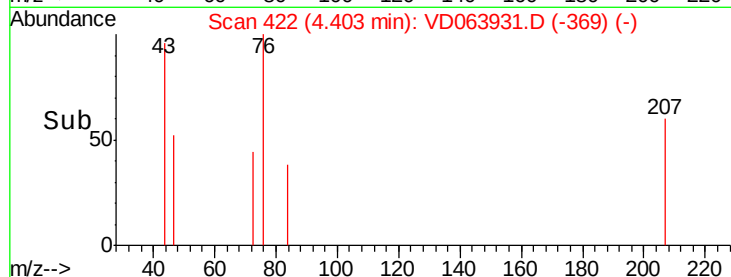
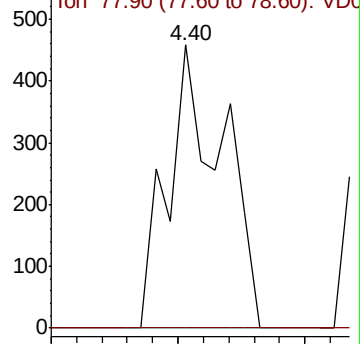
Ion Ratio Lower Upper

76 100

78 0.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC



#18

Methyl Acetate

Concen: 3.520 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063931.D

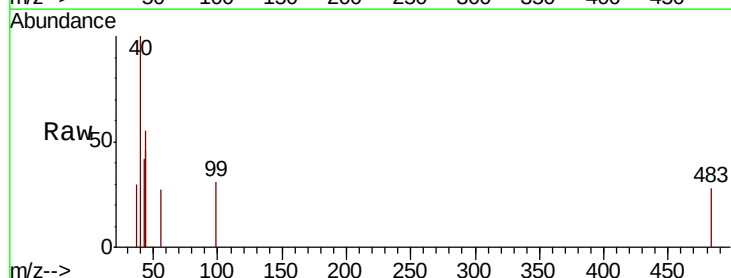
Acq: 11 Oct 2019 12:25

Tgt Ion: 43 Resp: 330

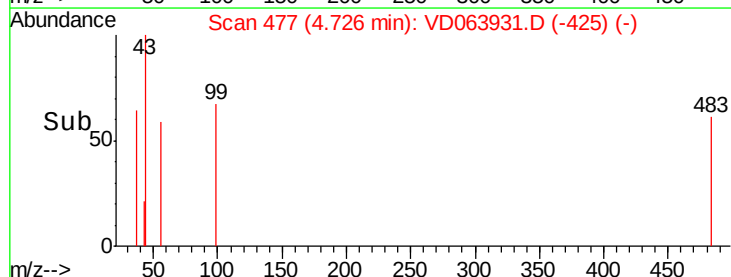
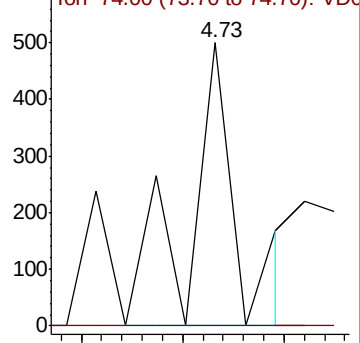
Ion Ratio Lower Upper

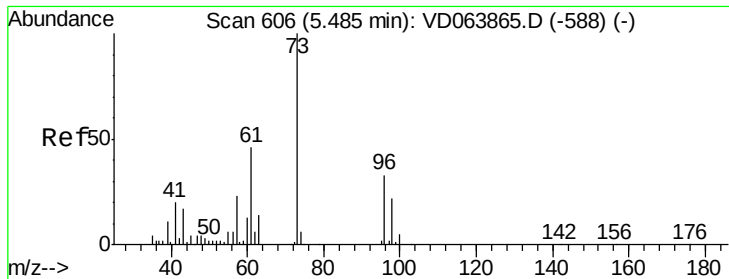
43 100

74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC



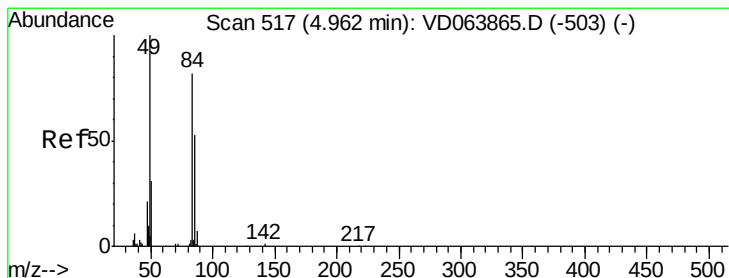
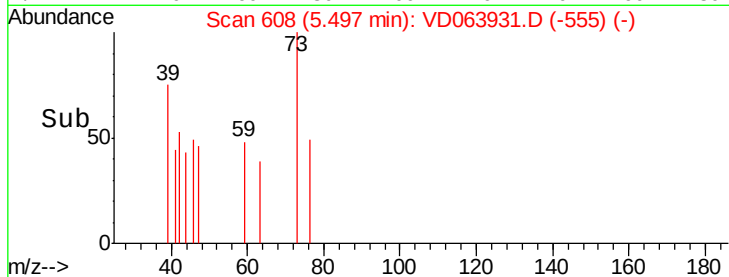
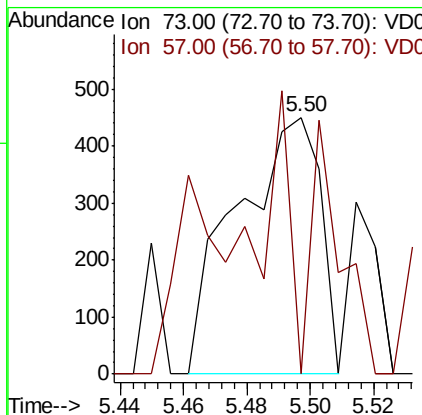
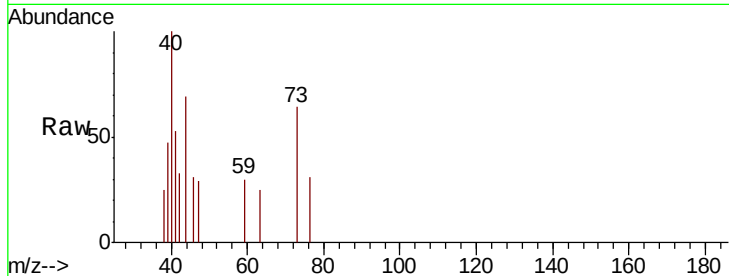


#19

Methyl tert-butyl Ether
 Concen: 2.020 ug/l
 RT: 5.50 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleID :

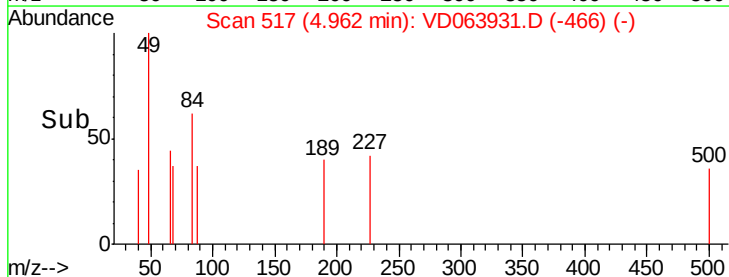
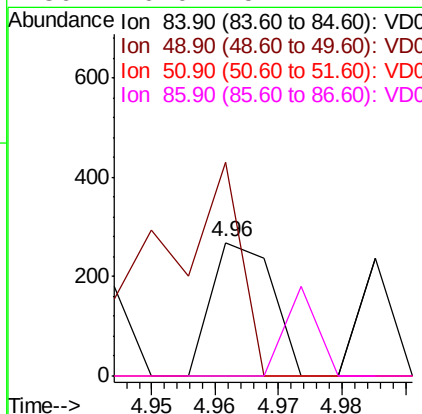
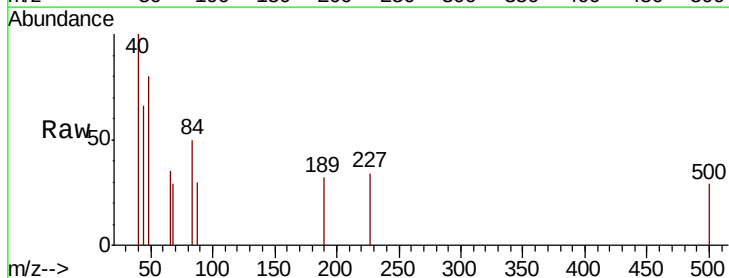
Tot Ion: 73 Resp: 829
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.1 27.1#

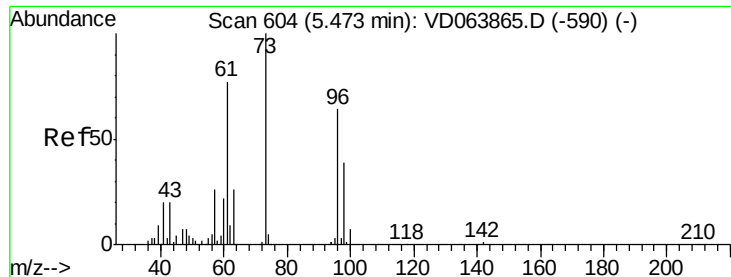


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion: 84 Resp: 179
 Ion Ratio Lower Upper
 84 100
 49 160.4 97.3 145.9#
 51 0.0 30.1 45.1#
 86 0.0 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 1.399 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

ClientSampled :

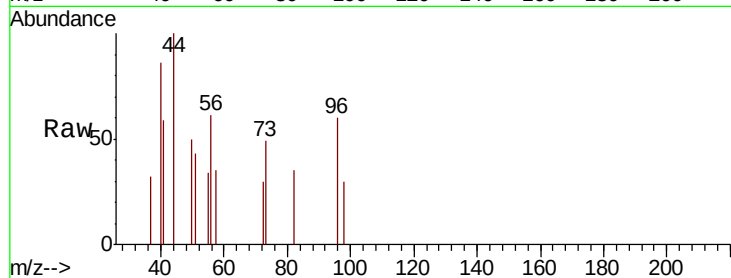
Tot Ion: 96 Resp: 276

Ion Ratio Lower Upper

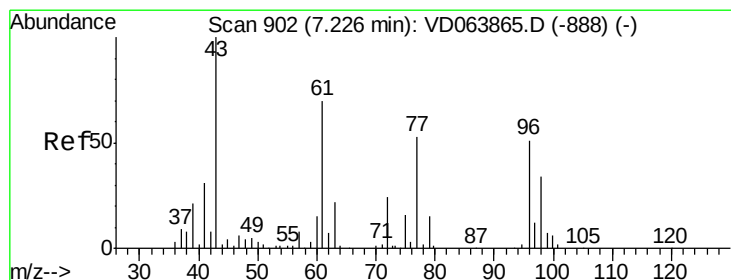
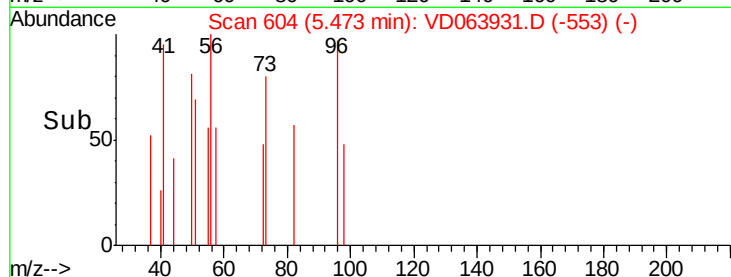
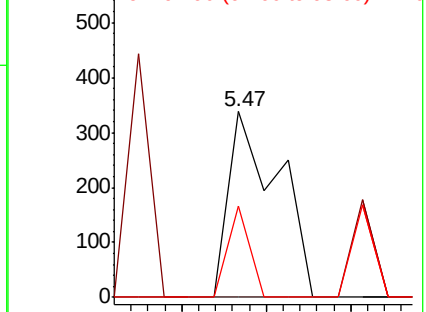
96 100

61 0.0 96.6 145.0#

98 49.4 48.7 73.1



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



#25

2-Butanone

Concen: 16.037 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063931.D

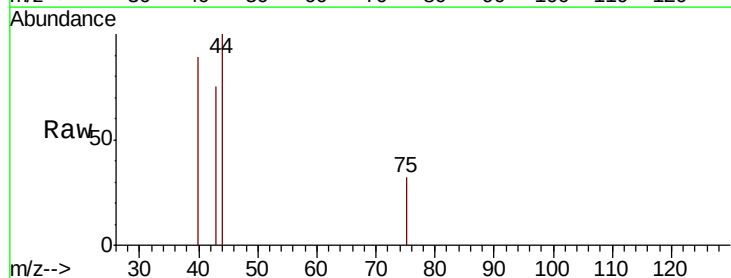
Acq: 11 Oct 2019 12:25

Tgt Ion: 43 Resp: 911

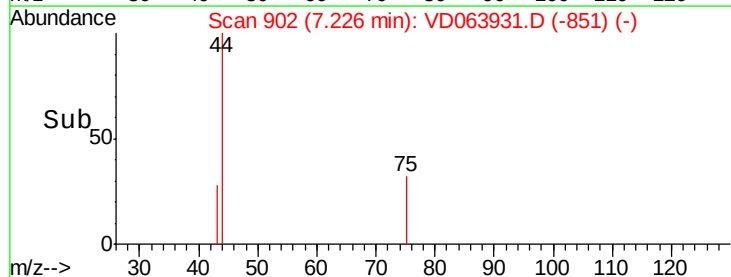
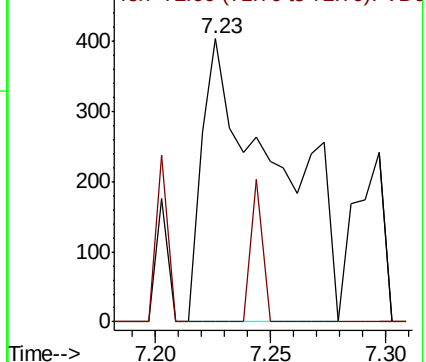
Ion Ratio Lower Upper

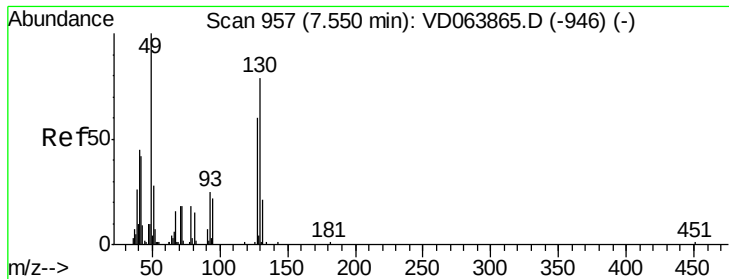
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#28

Bromochloromethane

Concen: 3.171 ug/l

RT: 7.54 min Scan# 955

Delta R.T. -0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

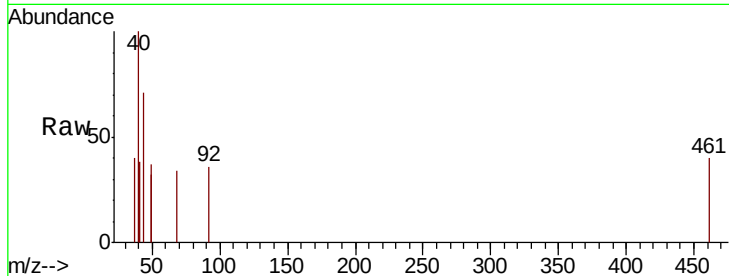
Tot Ion: 49 Resp: 171

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

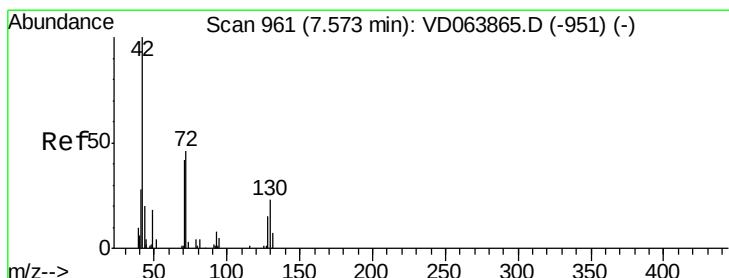
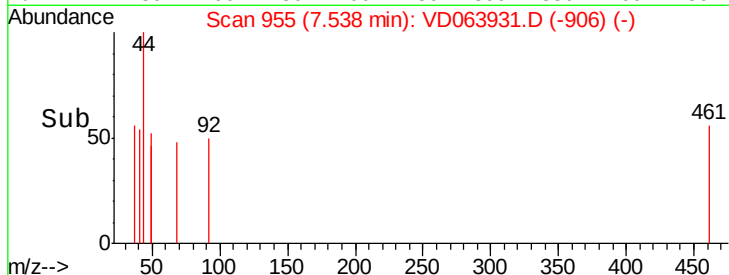
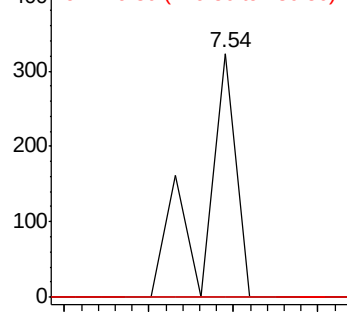
130 0.0 66.8 100.2#



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: 4.765 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

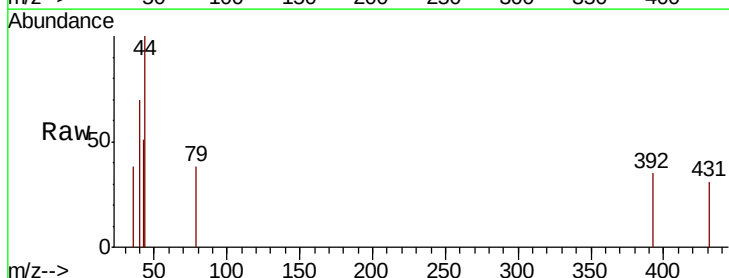
Tgt Ion: 42 Resp: 158

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

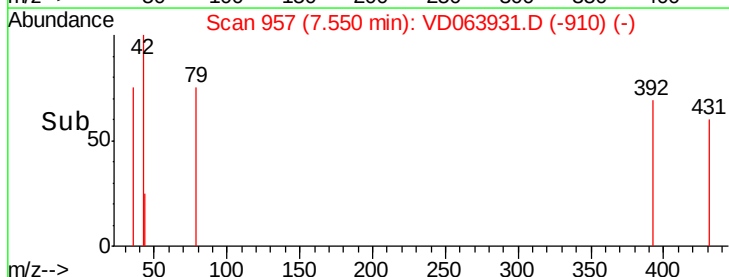
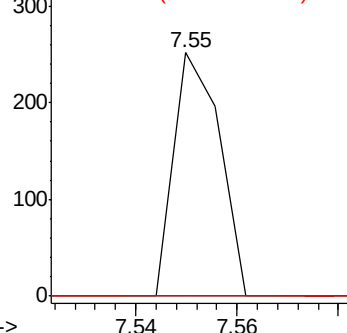
71 0.0 35.0 52.6#

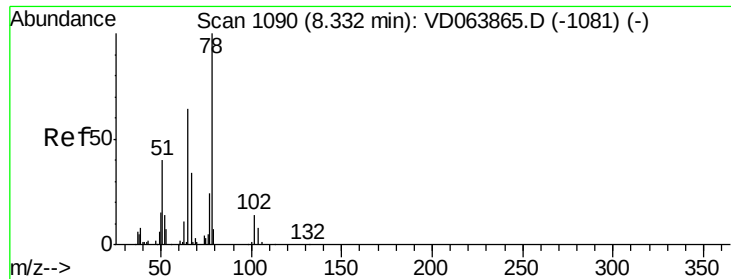


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

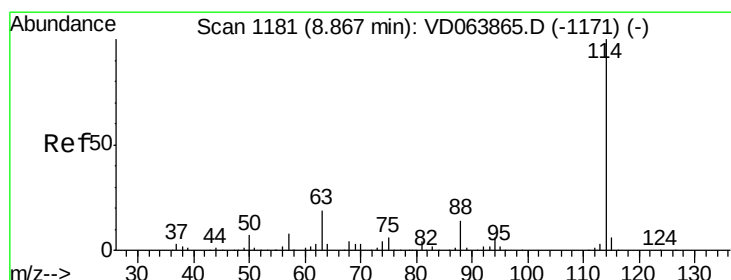
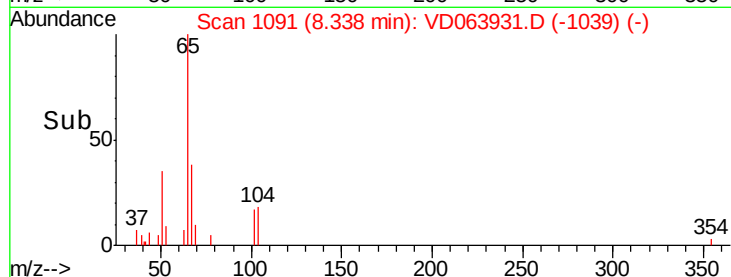
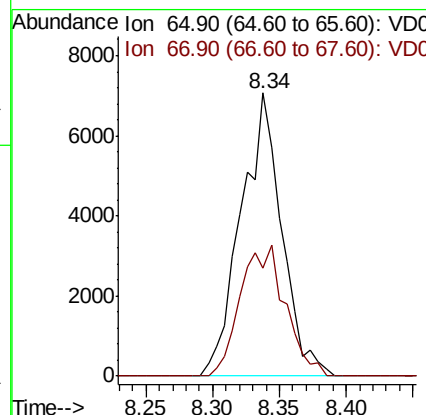
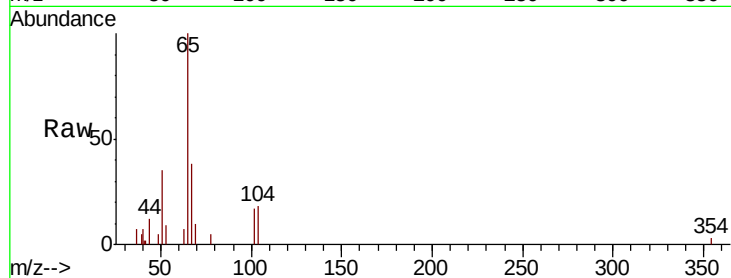




#33
 1,2-Dichloroethane-d4
 Concen: 81.003 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

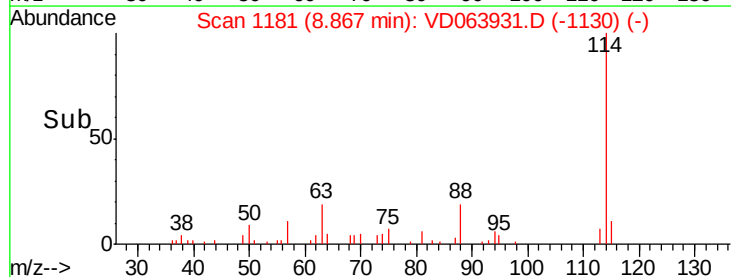
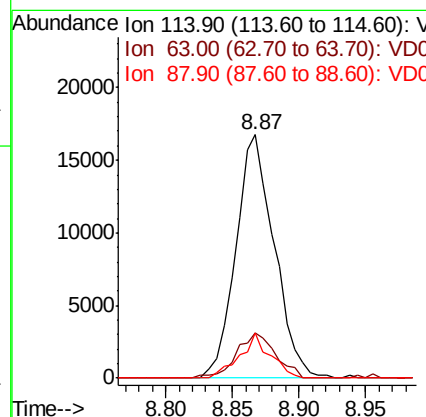
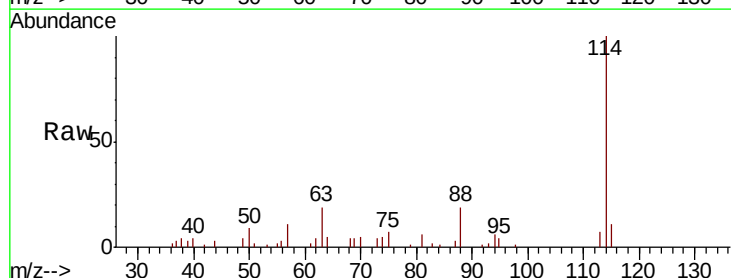
Instrument :
 MSVOA_D
 ClientSampleId :

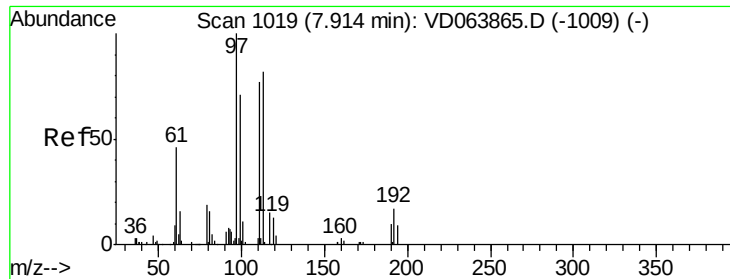
Tot Ion: 65 Resp: 14913
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion: 114 Resp: 33464
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 18.8 0.0 27.4

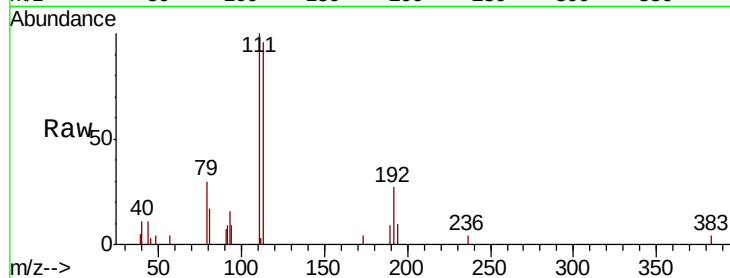




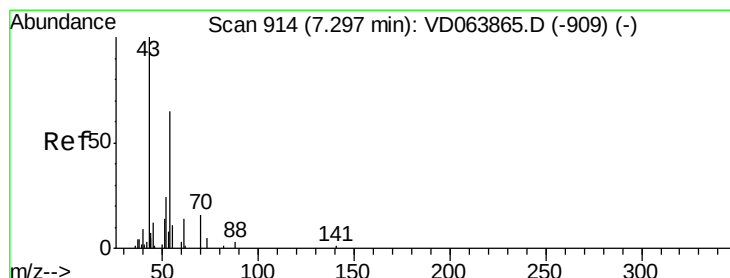
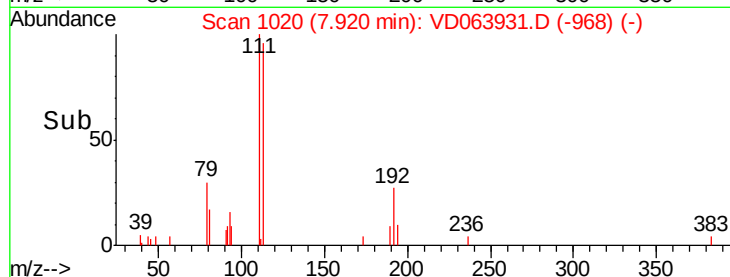
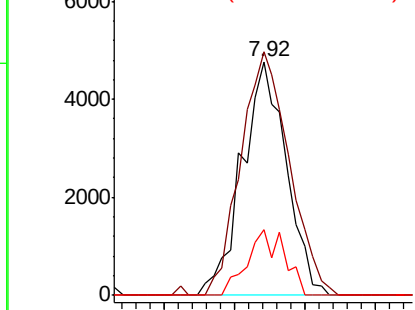
#35
 Dibromofluoromethane
 Concen: 51.186 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	114.2	82.6	123.8
192	23.4	17.1	25.7

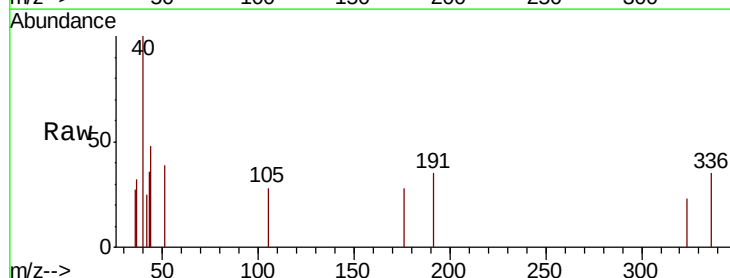


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

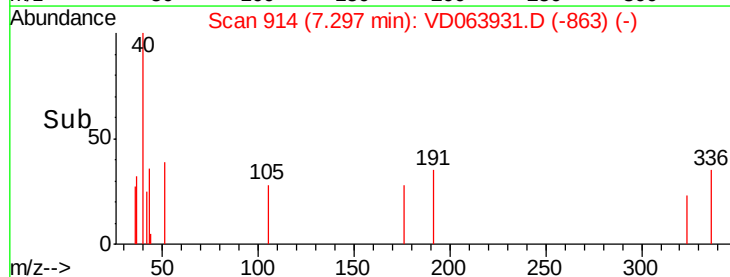
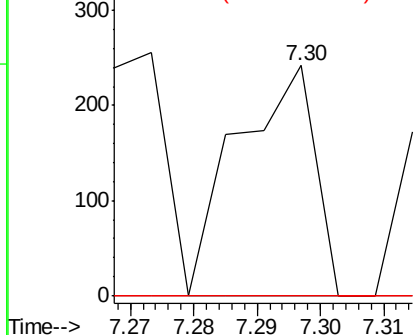


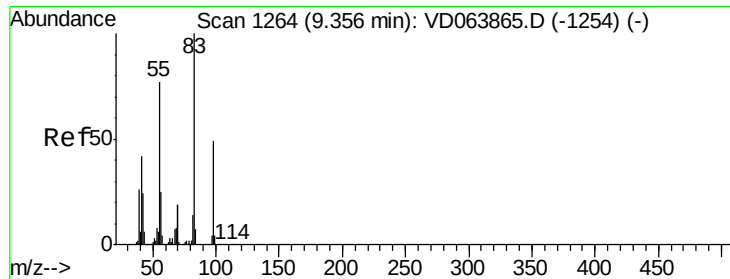
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	8.2	12.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 70.00 (69.70 to 70.70): VDC

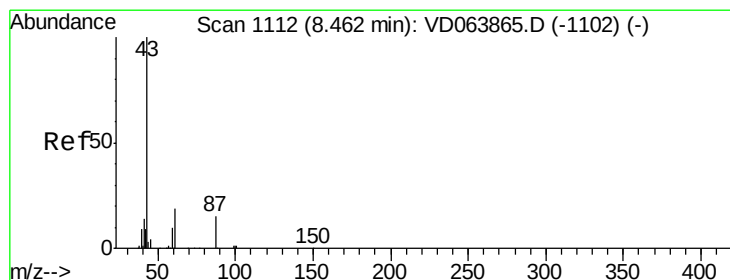
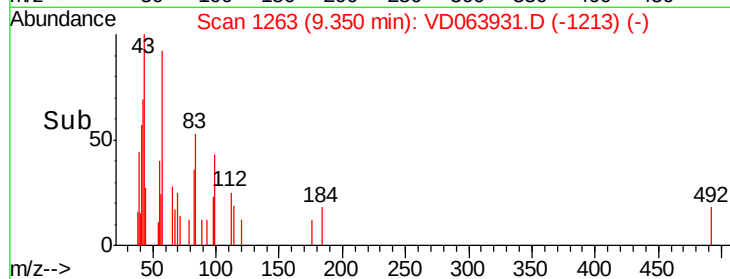
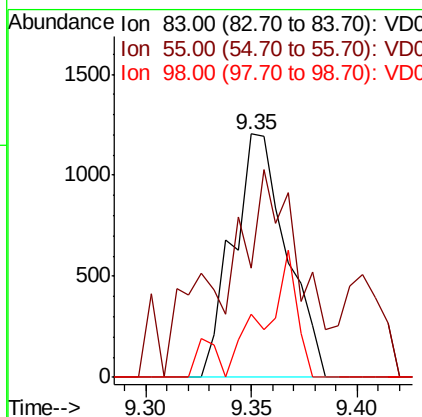
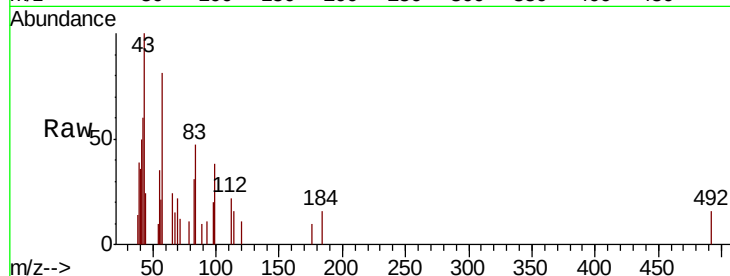




#39
Methylvlcyclohexane
Concen: 5.667 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

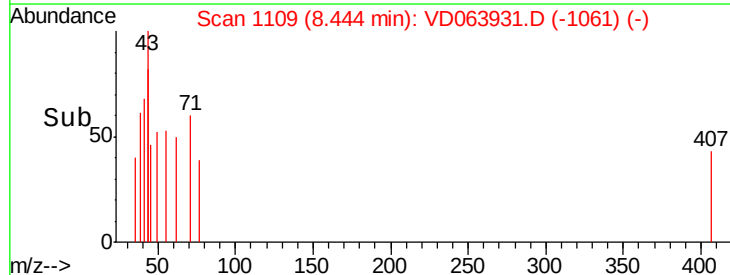
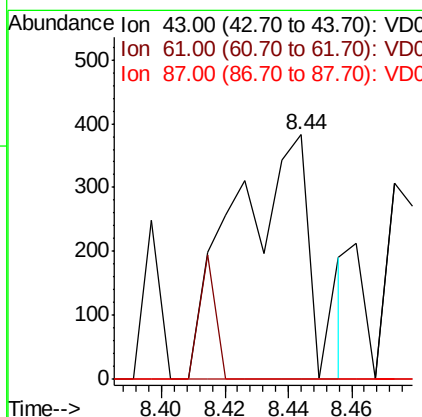
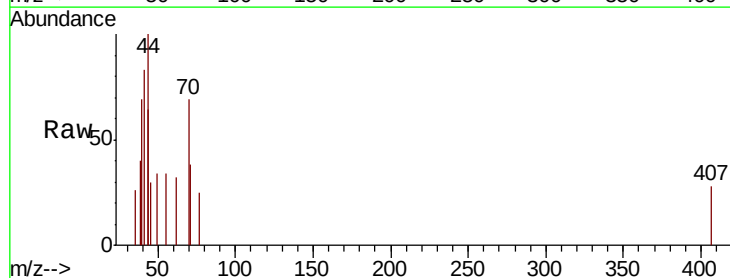
Instrument :
MSVOA_D
ClientSampleId :

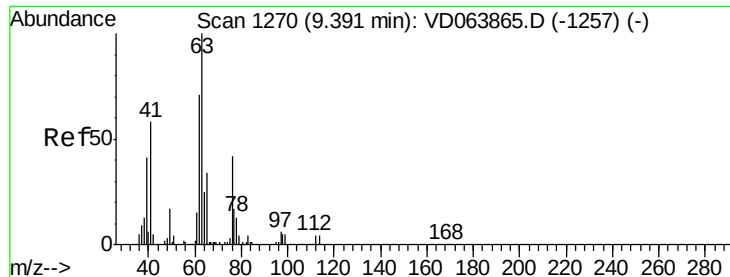
Tot Ion: 83 Resp: 2132
Ion Ratio Lower Upper
83 100
55 23.2 61.3 91.9#
98 26.1 39.3 58.9#



#43
Isopropyl Acetate
Concen: 2.584 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.02 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
61 0.0 25.7 38.5#
87 0.0 11.6 17.4#





#45

1,2-Dichloropropane

Concen: 1.058 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

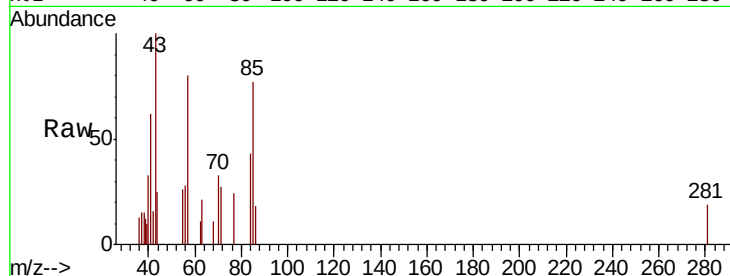
ClientSampleId :

Tot Ion: 63 Resp: 227

Ion Ratio Lower Upper

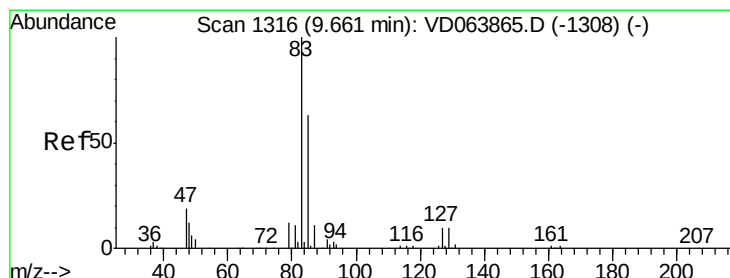
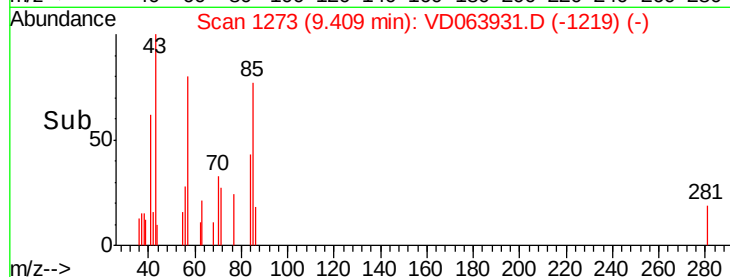
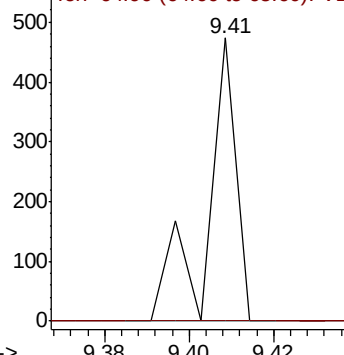
63 100

65 0.0 27.3 40.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#47

Bromodichloromethane

Concen: 1.430 ug/l

RT: 9.65 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

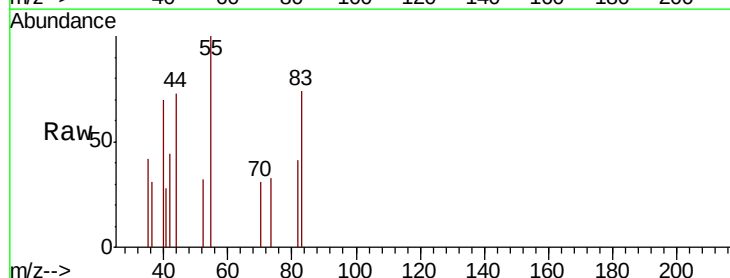
Tgt Ion: 83 Resp: 450

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

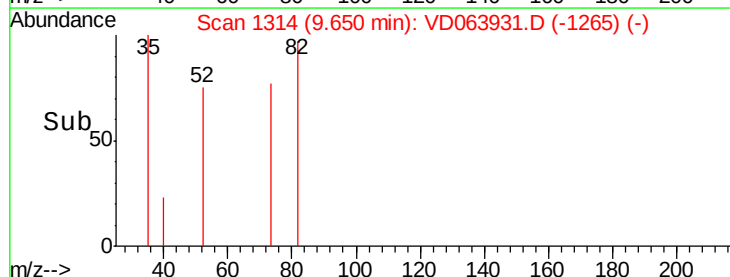
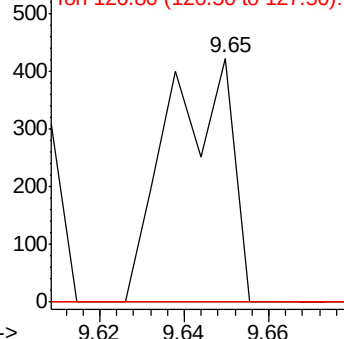
127 0.0 7.6 11.4#

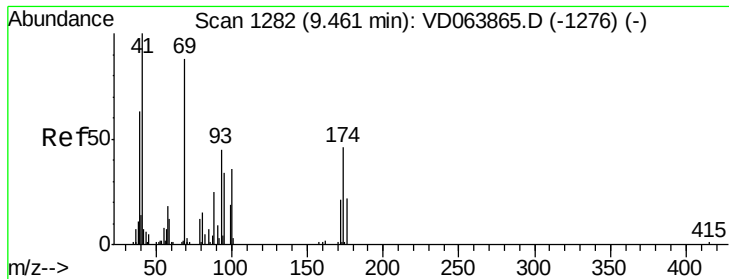


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): V

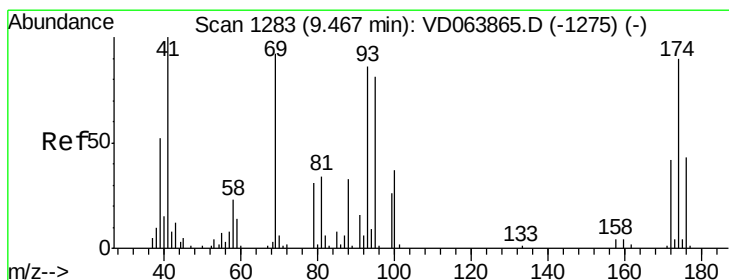
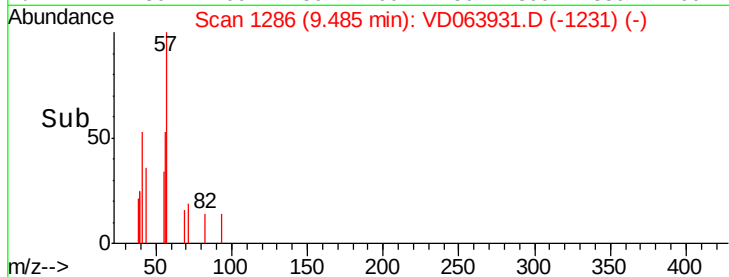
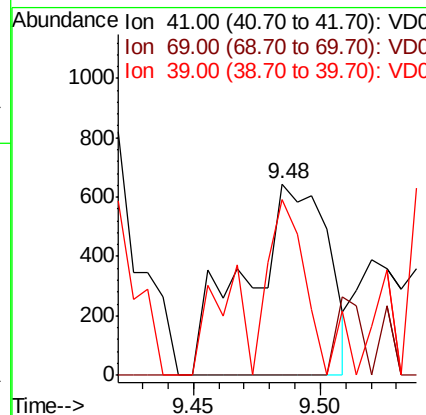
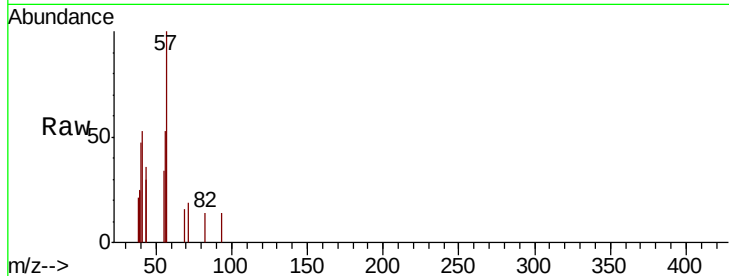




#48
Methvl methacrylate
Concen: 11.778 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.02 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

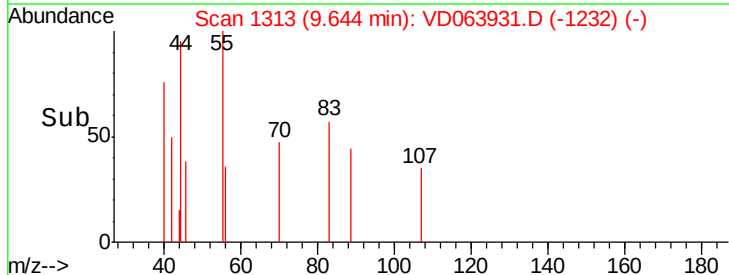
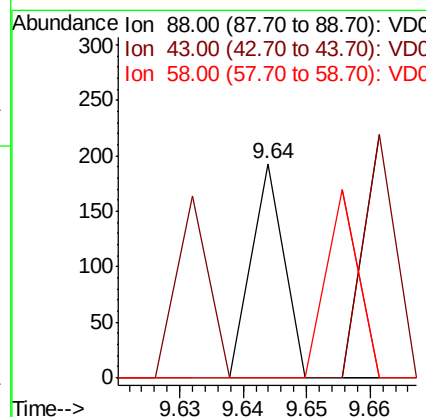
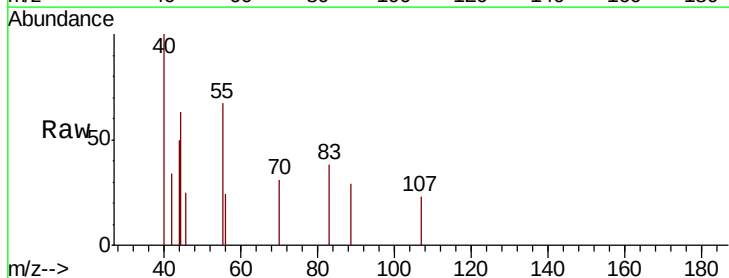
Instrument :
MSVOA_D
ClientSampleId :

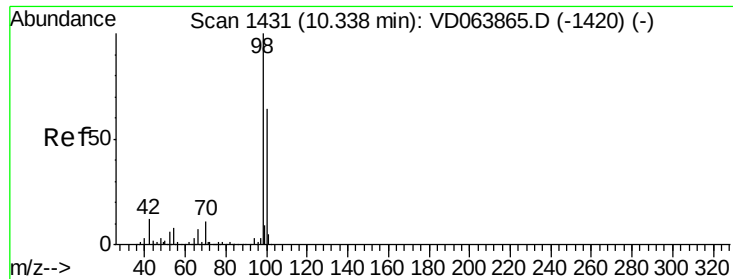
Tot Ion: 41 Resp: 1448
Ion Ratio Lower Upper
41 100
69 0.0 75.1 112.7#
39 40.7 50.2 75.2#



#49
1,4-Dioxane
Concen: 40.758 ug/l
RT: 9.64 min Scan# 1313
Delta R.T. 0.18 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 88.2 54.1 81.1#

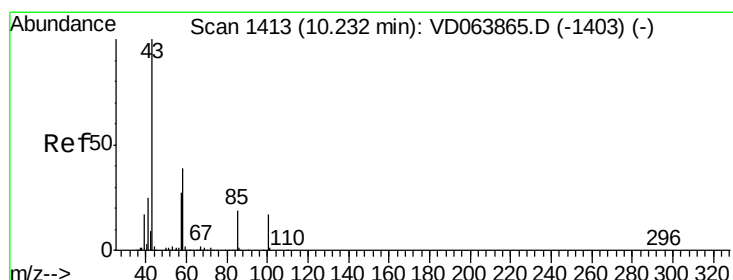
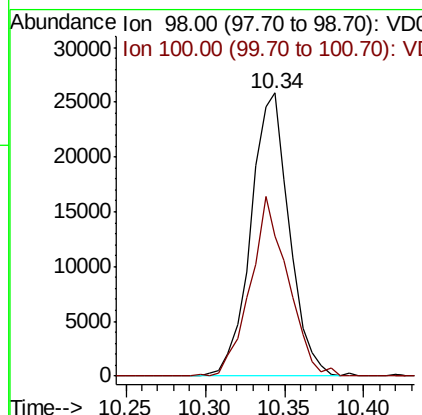
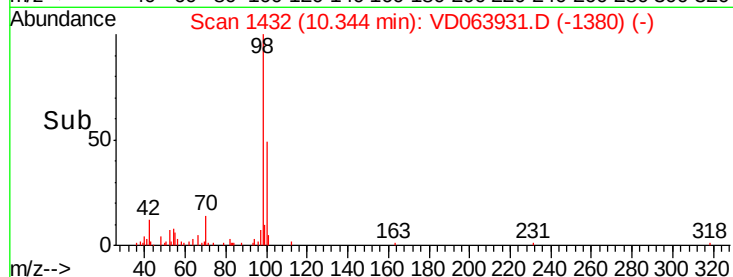
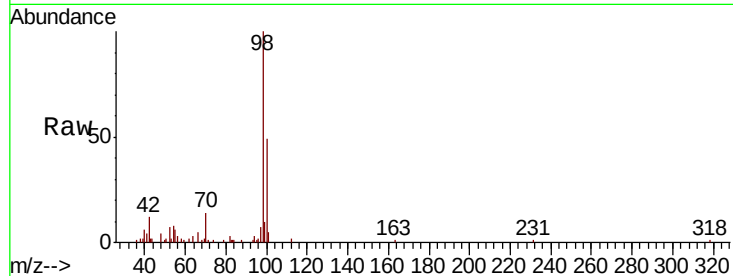




#50
Toluene-d8
Concen: 52.309 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

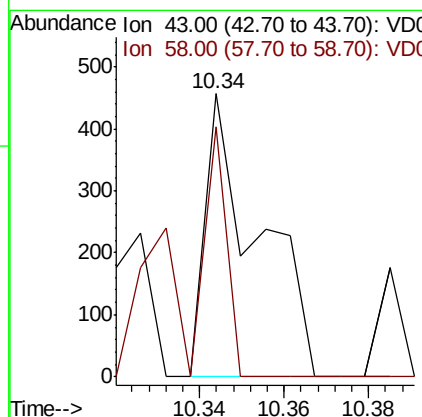
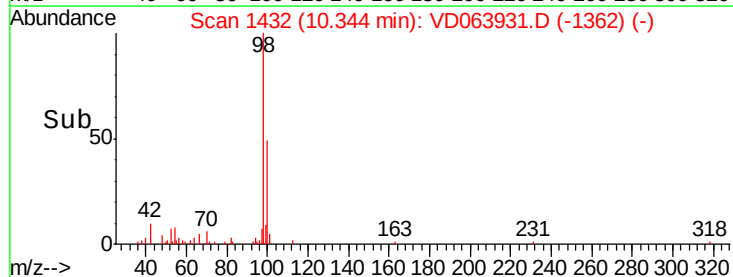
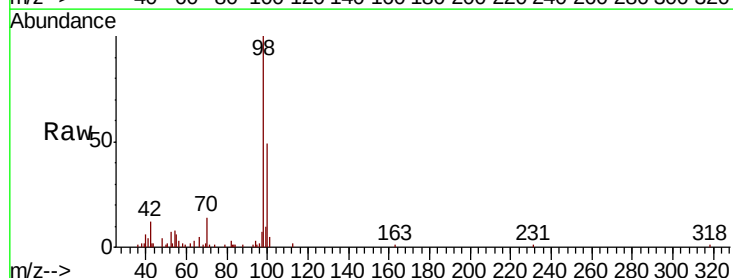
Instrument :
MSVOA_D
ClientSampleId :

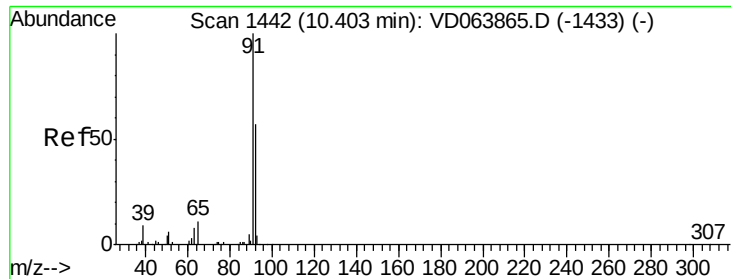
Tot Ion: 98 Resp: 43420
Ion Ratio Lower Upper
98 100
100 62.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.968 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 37.5 33.0 49.4





#52

Toluene

Concen: 1.123 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

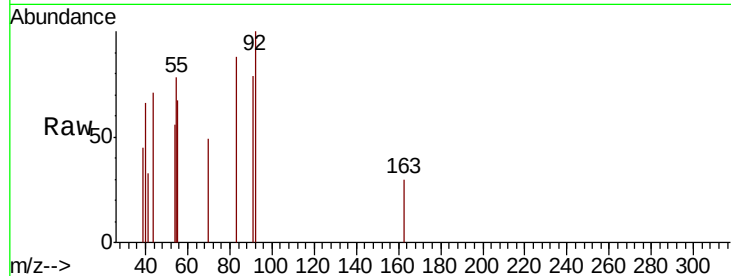
ClientSampleId :

Tot Ion: 92 Resp: 676

Ion Ratio Lower Upper

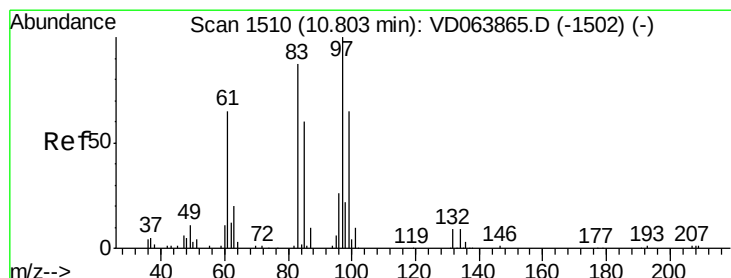
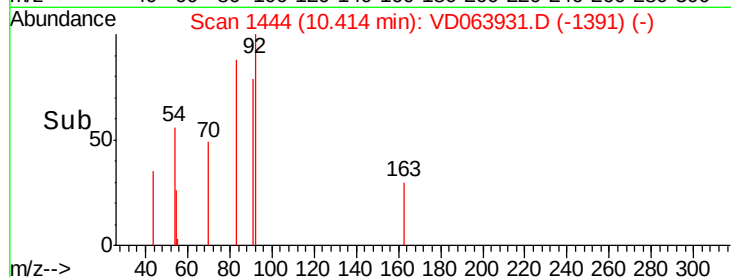
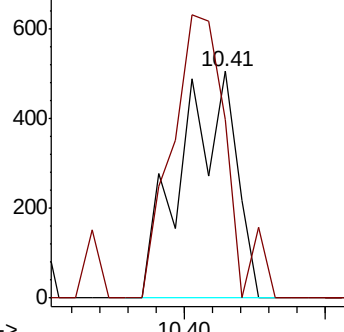
92 100

91 125.3 139.5 209.3#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 19.869 ug/l

RT: 10.78 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Tgt Ion: 97 Resp: 3429

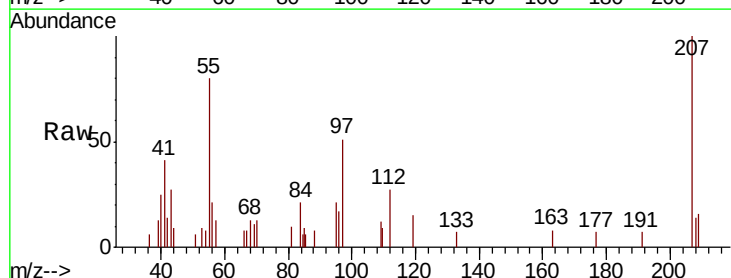
Ion Ratio Lower Upper

97 100

83 0.0 69.7 104.5#

85 29.0 48.1 72.1#

99 0.0 51.9 77.9#

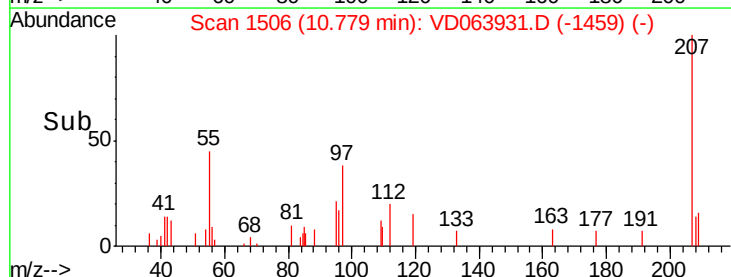
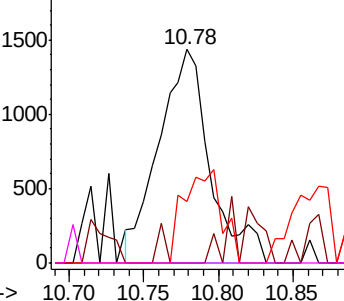


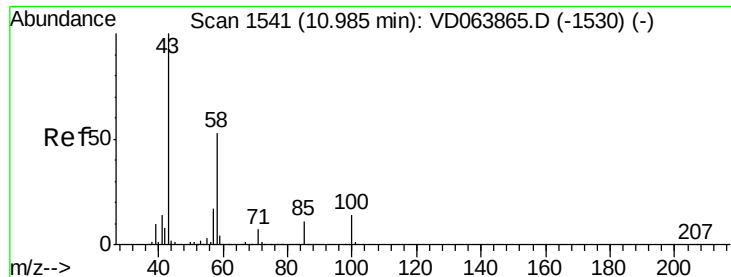
Abundance Ion 96.90 (96.60 to 97.60): VDC

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





#59

2-Hexanone

Concen: 2.130 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.26 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

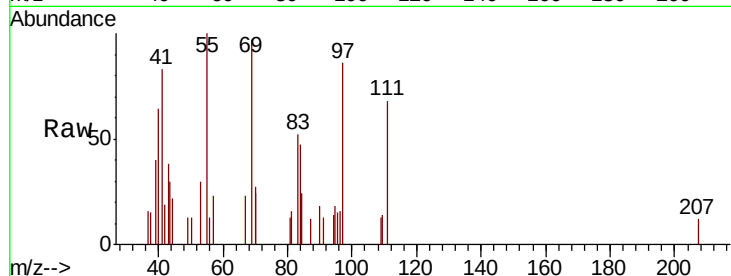
ClientSampled :

Tot Ion: 43 Resp: 205

Ion Ratio Lower Upper

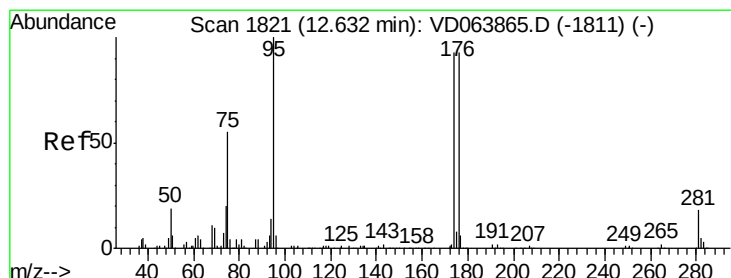
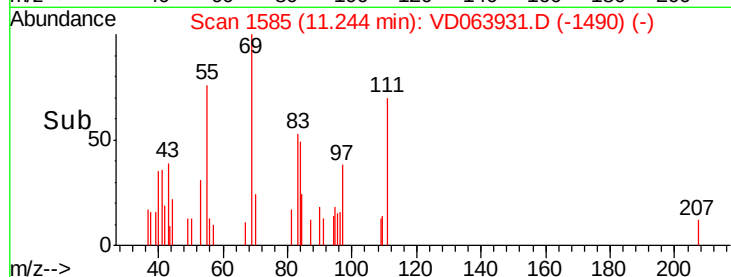
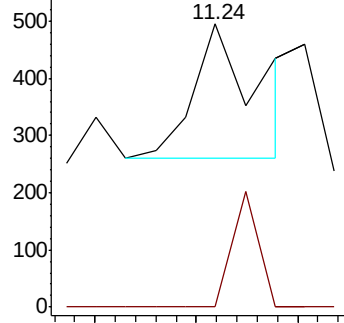
43 100

58 34.6 27.7 83.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 64.781 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

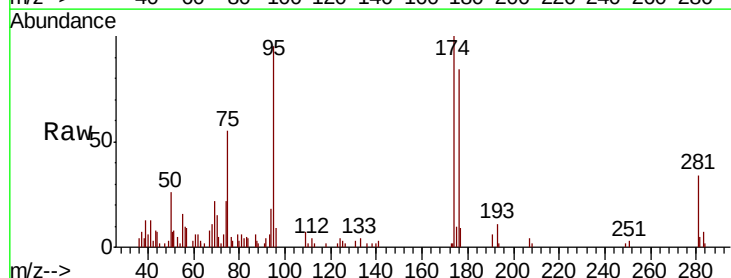
Tgt Ion: 95 Resp: 18686

Ion Ratio Lower Upper

95 100

174 87.8 0.0 186.4

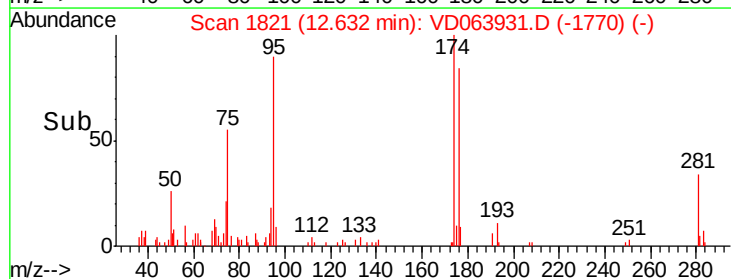
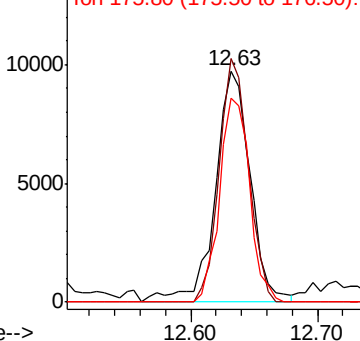
176 75.6 0.0 184.2

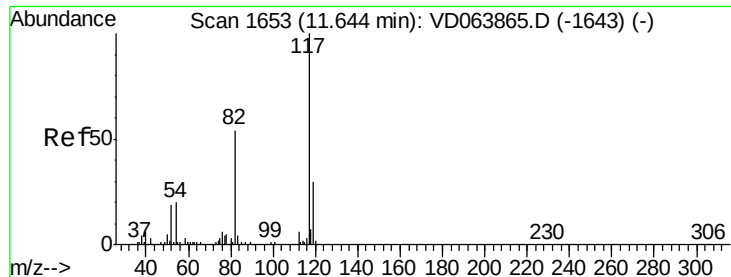


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

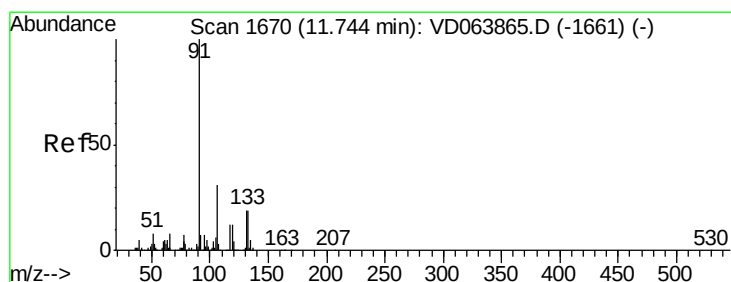
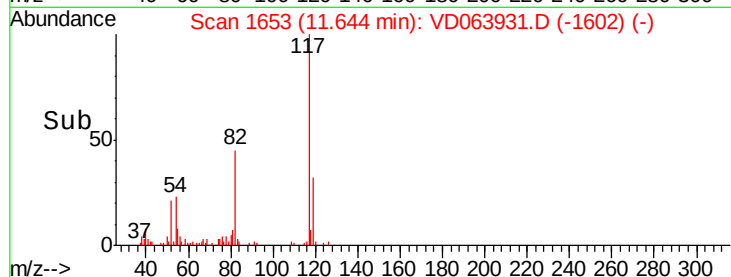
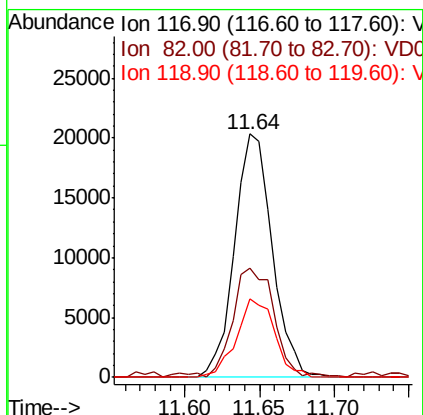
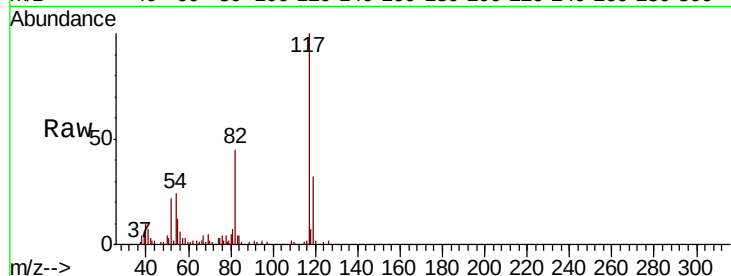




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

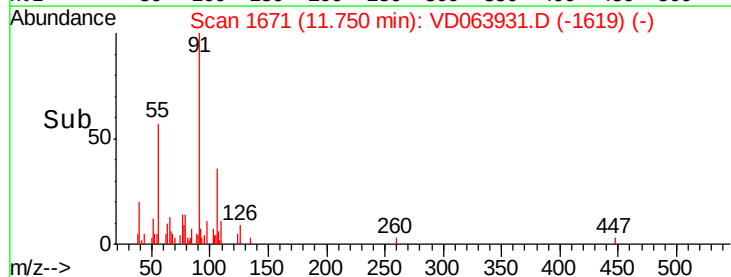
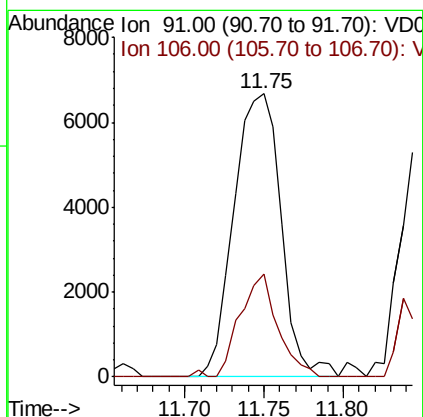
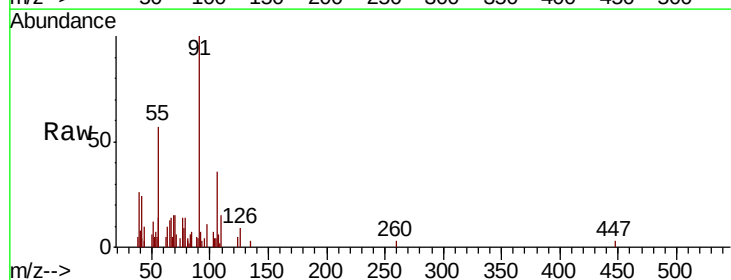
Instrument :
MSVOA_D
ClientSampleId :

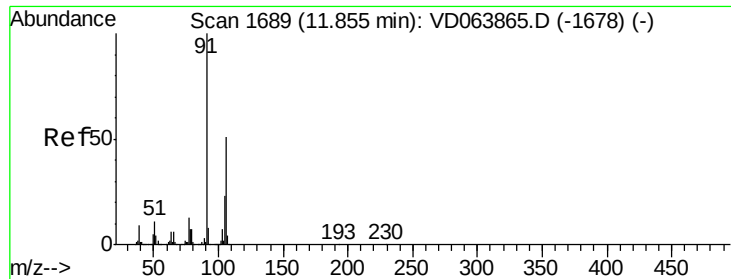
Tot Ion:117 Resp: 35761
Ion Ratio Lower Upper
117 100
82 44.1 42.8 64.2
119 32.4 24.4 36.6



#67
Ethyl Benzene
Concen: 10.662 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 91 Resp: 13807
Ion Ratio Lower Upper
91 100
106 36.4 24.6 37.0

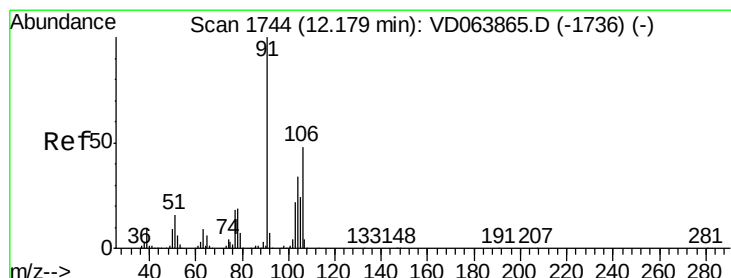
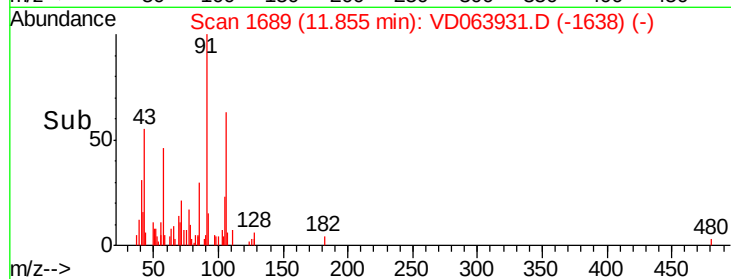
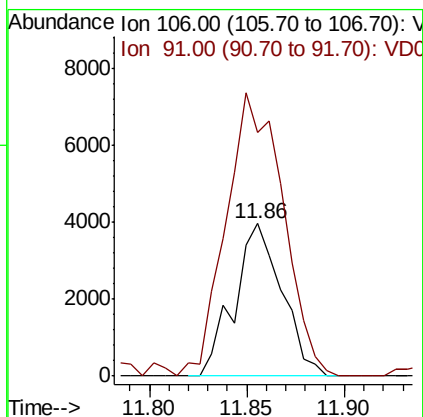
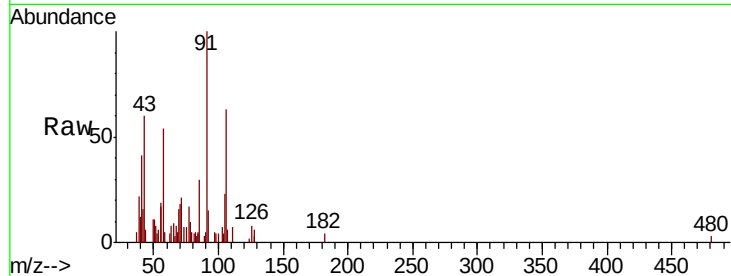




#68
m/p-Xylenes
Concen: 13.440 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

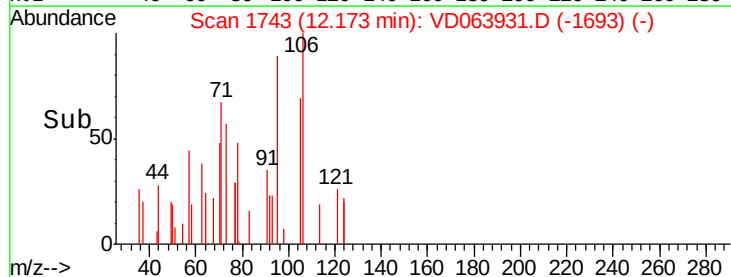
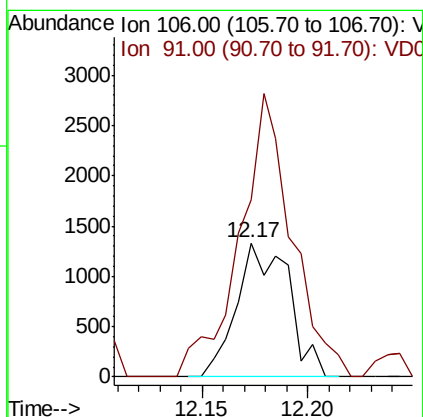
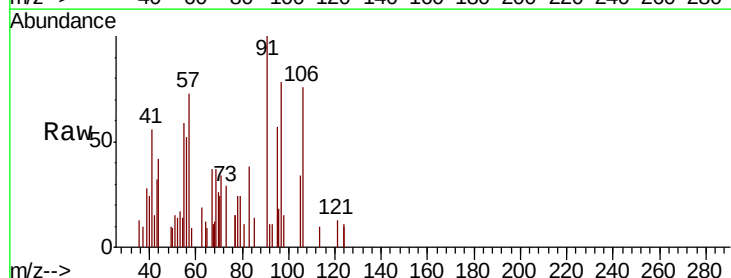
Instrument :
MSVOA_D
ClientSampleId :

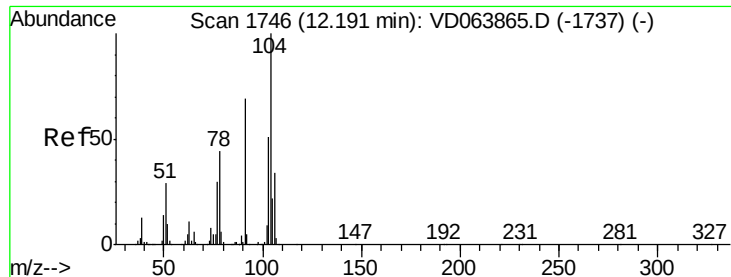
Tot Ion:106 Resp: 6718
Ion Ratio Lower Upper
106 100
91 221.6 154.8 232.2



#69
o-Xylene
Concen: 4.749 ug/l
RT: 12.17 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion:106 Resp: 2273
Ion Ratio Lower Upper
106 100
91 213.2 103.9 311.7

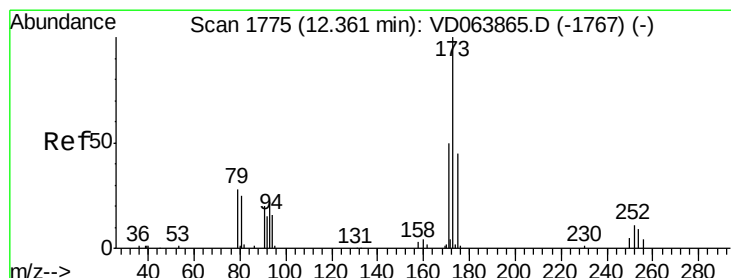
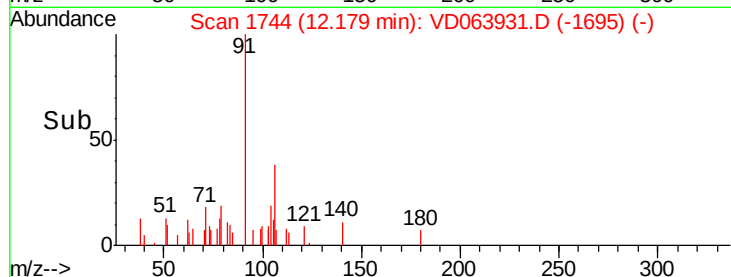
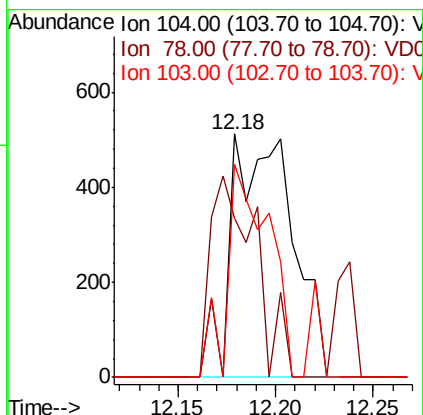
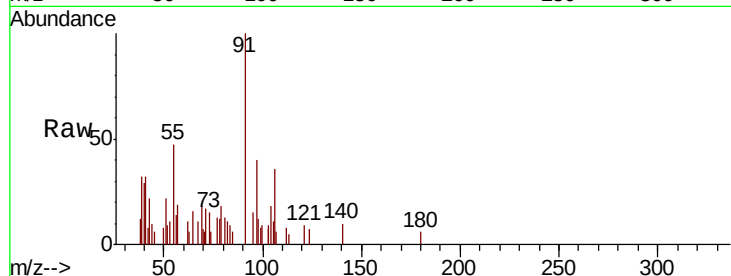




#70
Stvrene
Concen: 1.379 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

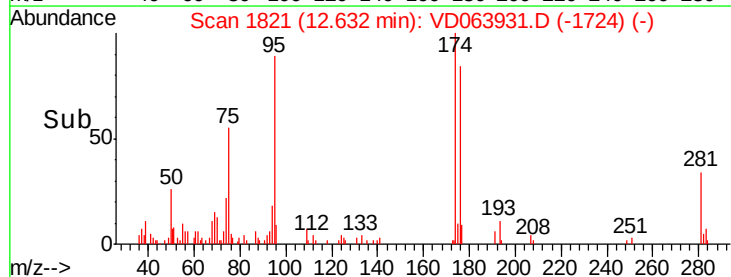
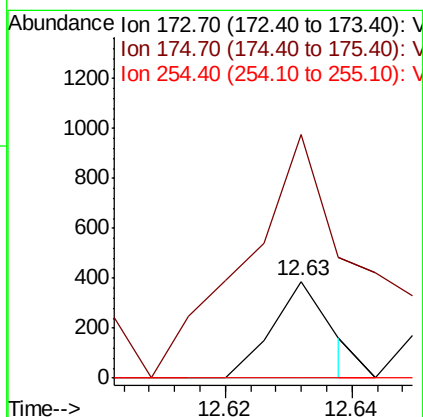
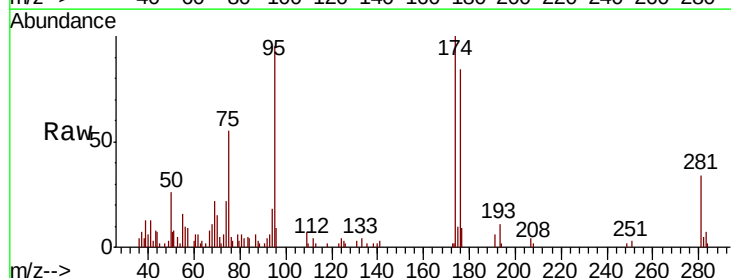
Instrument :
MSVOA_D
ClientSampleId :

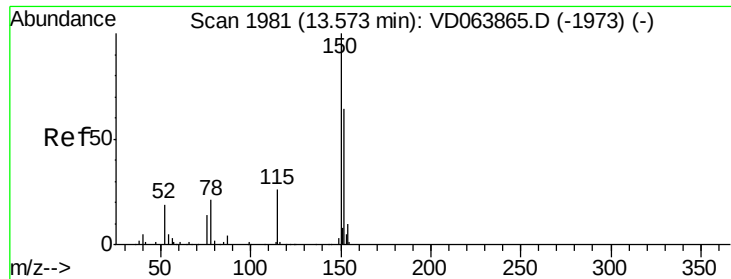
Tot Ion:104 Resp: 1117
Ion Ratio Lower Upper
104 100
78 60.7 37.0 55.4#
103 59.6 44.2 66.4



#71
Bromoform
Concen: 1.753 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion:173 Resp: 249
Ion Ratio Lower Upper
173 100
175 408.8 24.6 74.0#
254 0.0 0.0 0.0



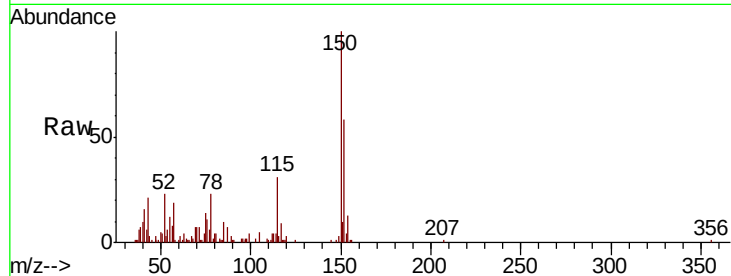


#72

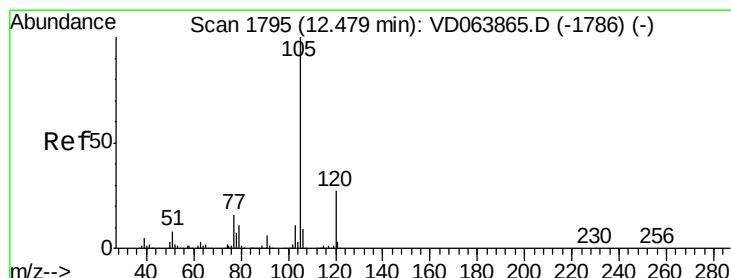
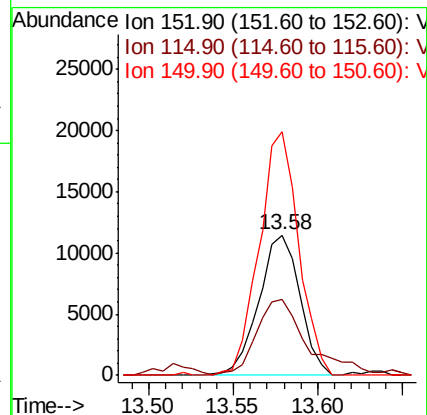
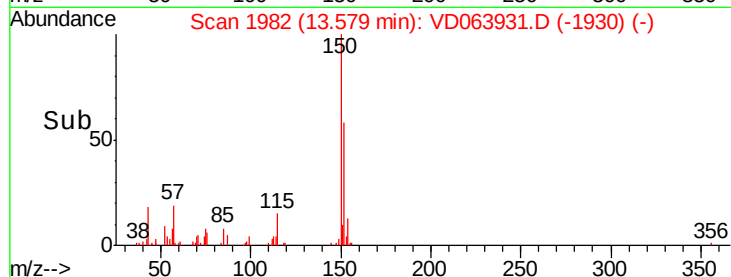
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 19374
Ion Ratio Lower Upper
152 100
115 67.4 25.9 77.7
150 166.2 0.0 344.2



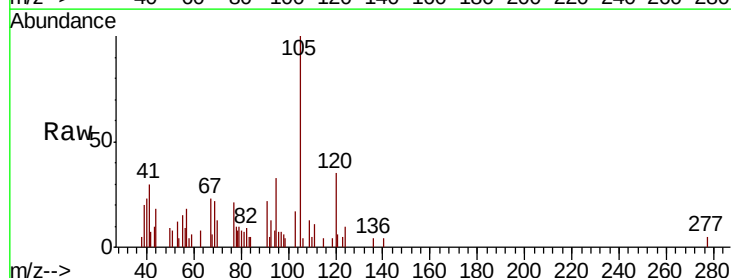
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



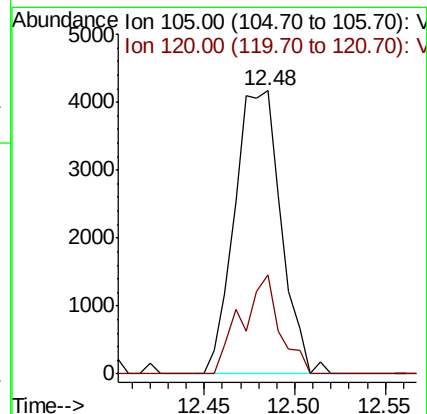
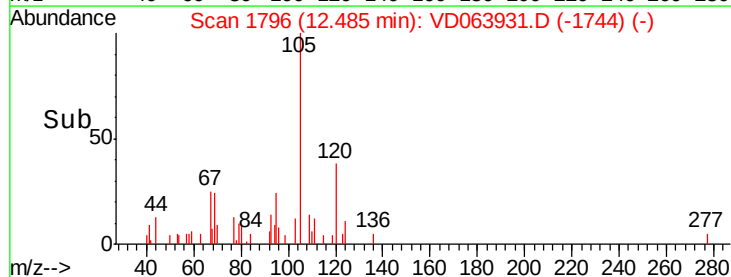
#73

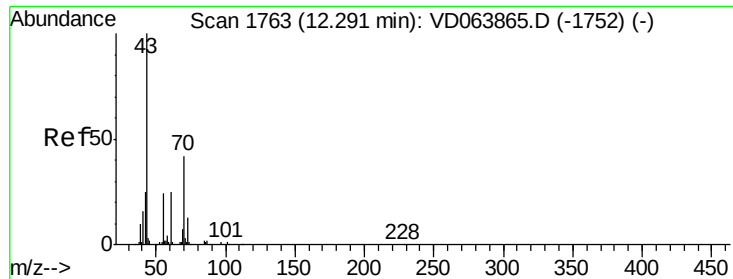
Isopropylbenzene
Concen: 5.709 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion:105 Resp: 7436
Ion Ratio Lower Upper
105 100
120 28.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.742 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 2171

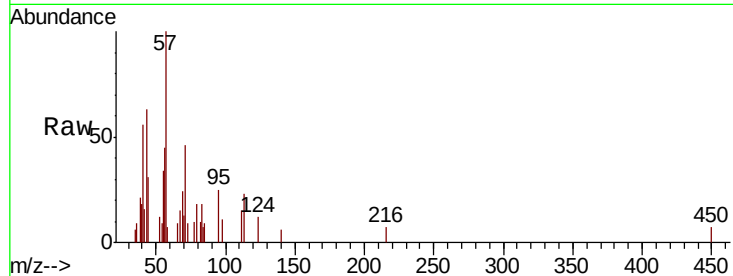
Ion Ratio Lower Upper

43 100

70 35.5 35.8 53.6#

55 0.0 19.4 29.0#

61 0.0 20.4 30.6#

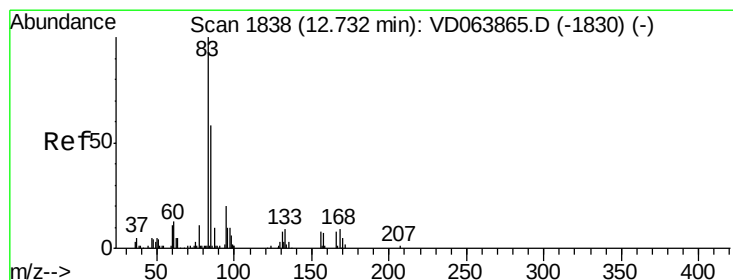
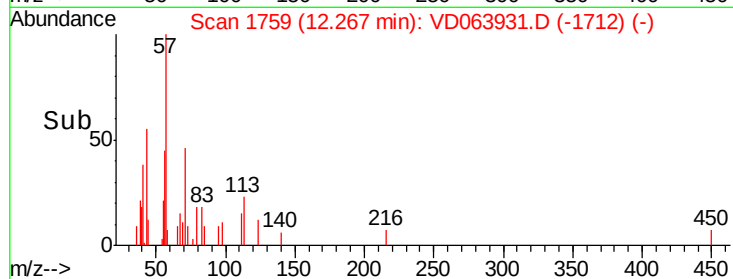
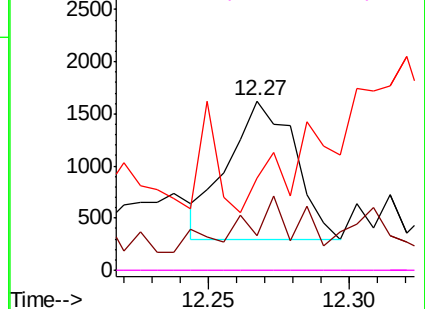


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 5.643 ug/l

RT: 12.71 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

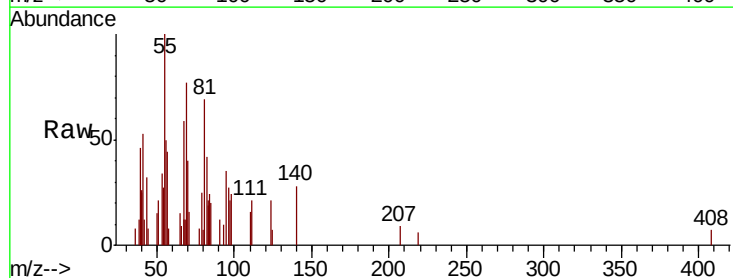
Tgt Ion: 83 Resp: 1279

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

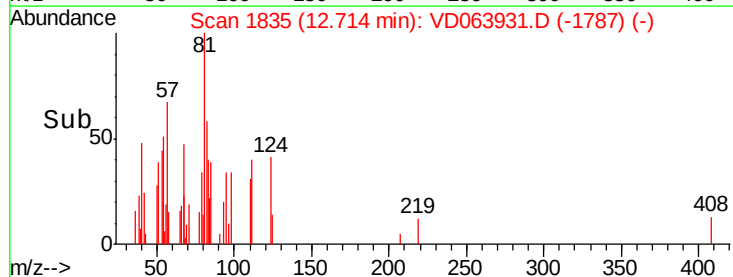
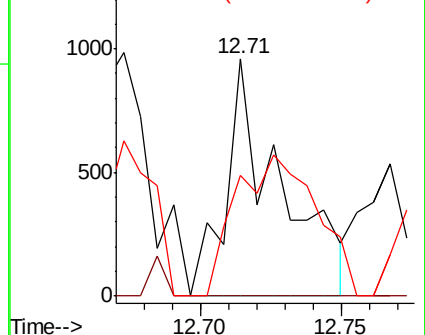
85 89.1 32.3 96.8

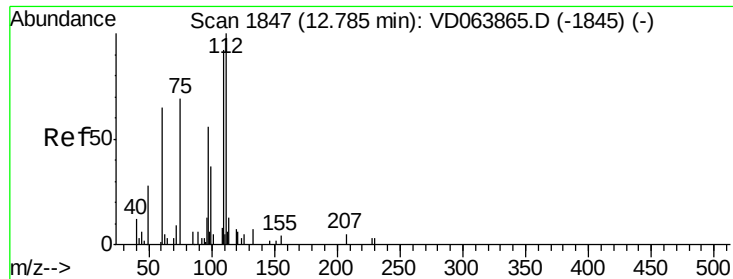


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 2.836 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

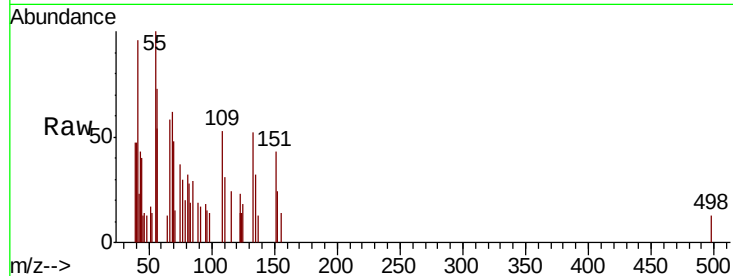
ClientSampleId :

Tot Ion: 75 Resp: 368

Ion Ratio Lower Upper

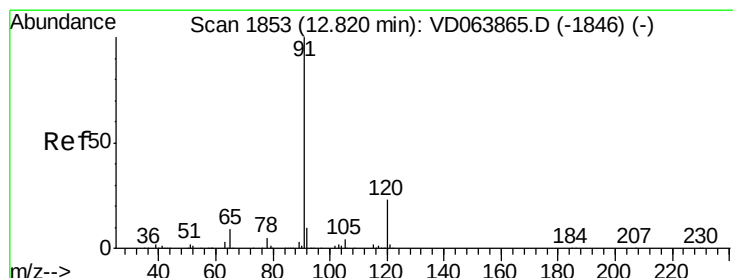
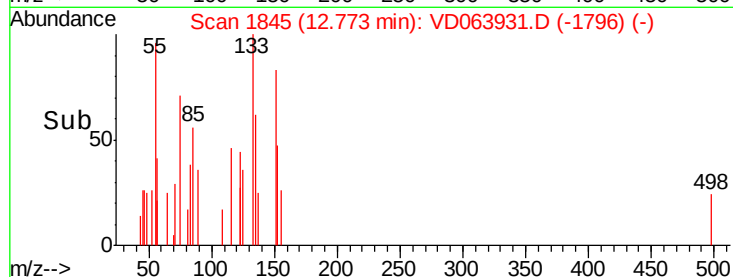
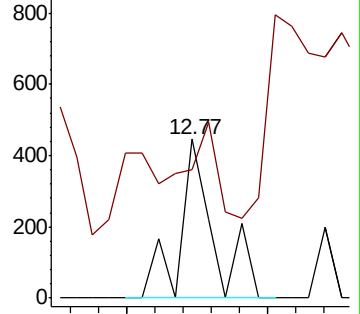
75 100

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



#78

n-propylbenzene

Concen: 20.381 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD063931.D

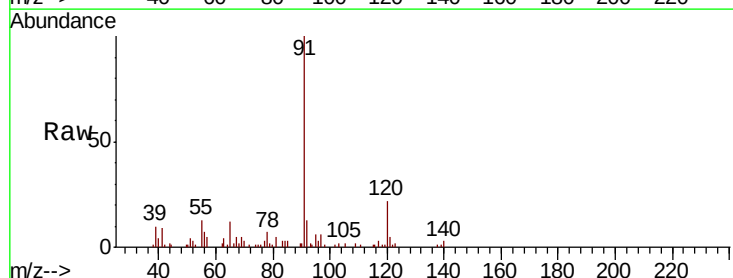
Acq: 11 Oct 2019 12:25

Tgt Ion: 91 Resp: 31158

Ion Ratio Lower Upper

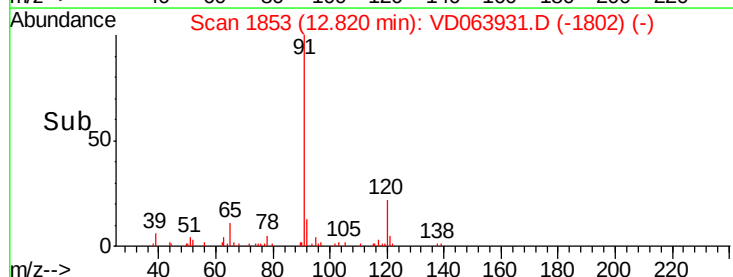
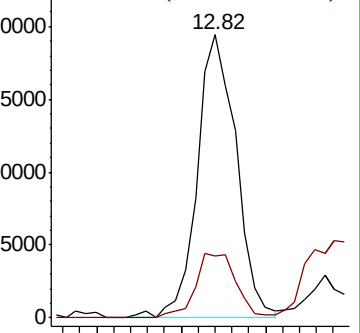
91 100

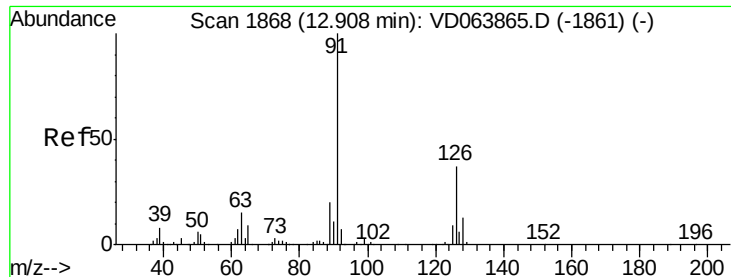
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

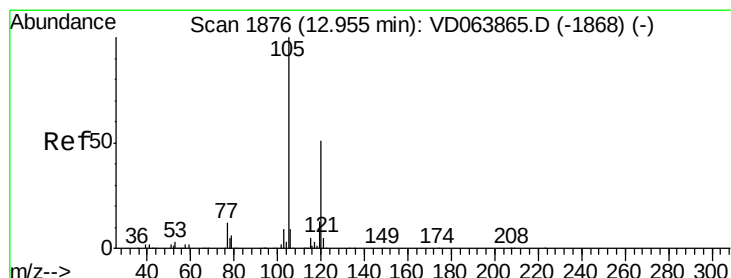
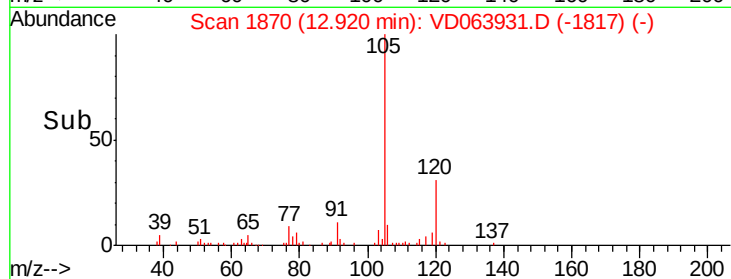
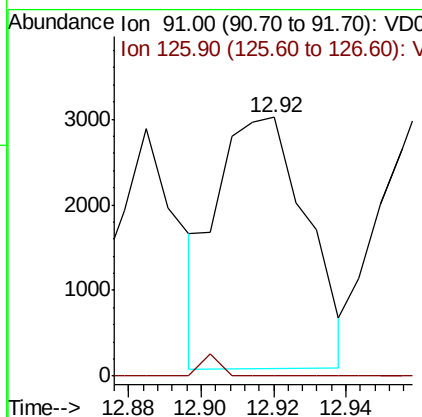
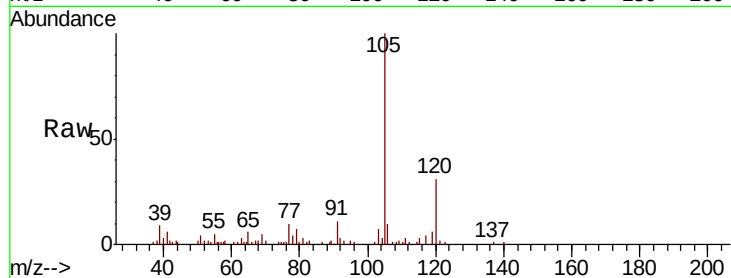




#79
2-Chlorotoluene
Concen: 5.964 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

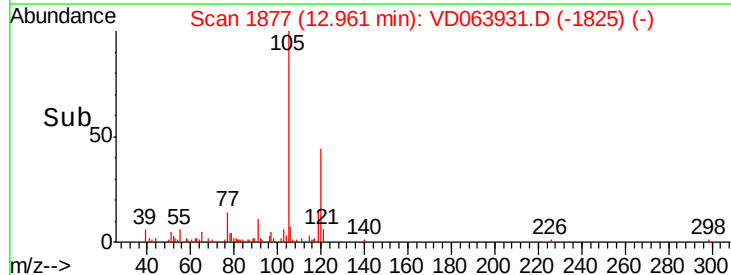
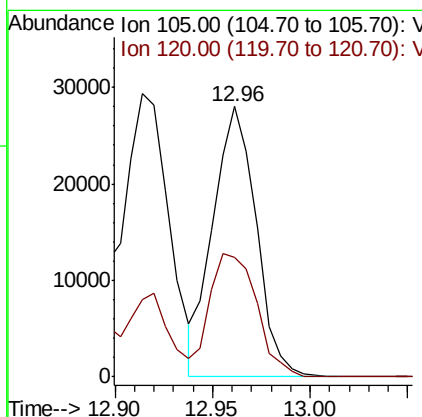
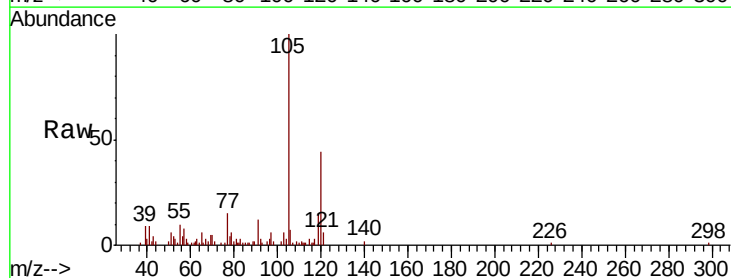
Instrument :
MSVOA_D
ClientSampleId :

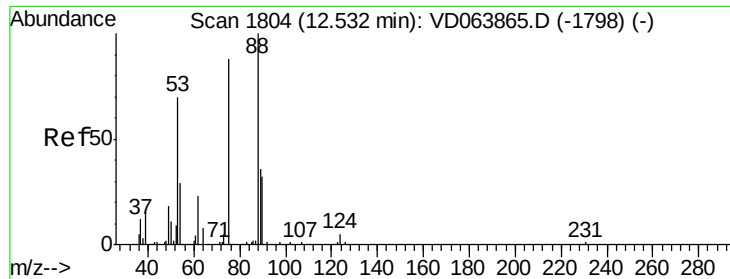
Tot Ion: 91 Resp: 5027
Ion Ratio Lower Upper
91 100
126 0.0 18.4 55.2#



#80
1,3,5-Trimethylbenzene
Concen: 39.451 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 105 Resp: 42867
Ion Ratio Lower Upper
105 100
120 50.0 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 116.285 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

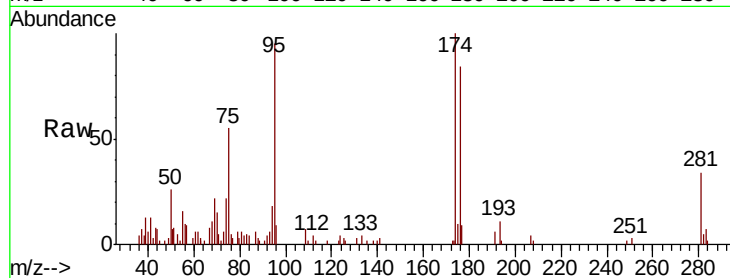
Tot Ion: 75 Resp: 8527

Ion Ratio Lower Upper

75 100

53 4.8 75.0 112.6#

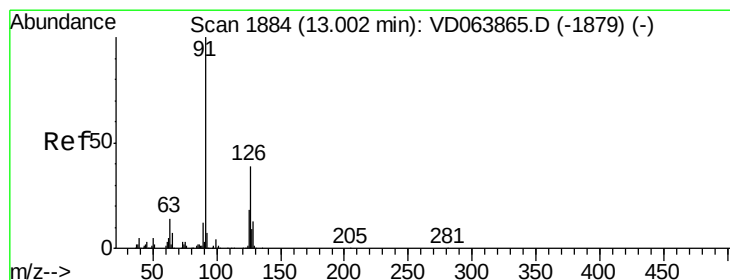
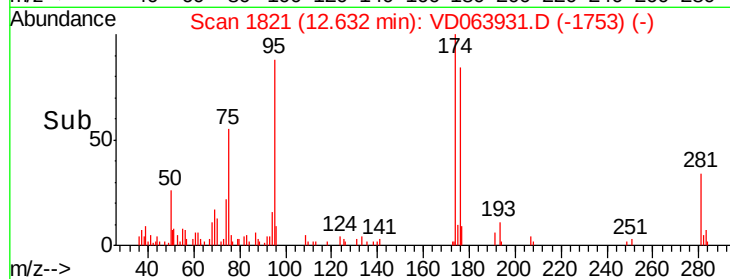
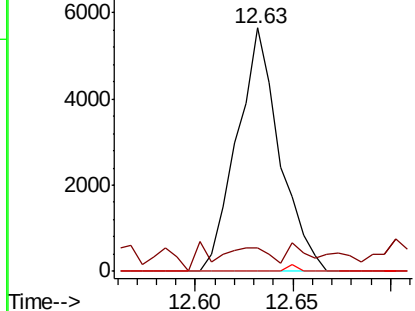
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 1.046 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD063931.D

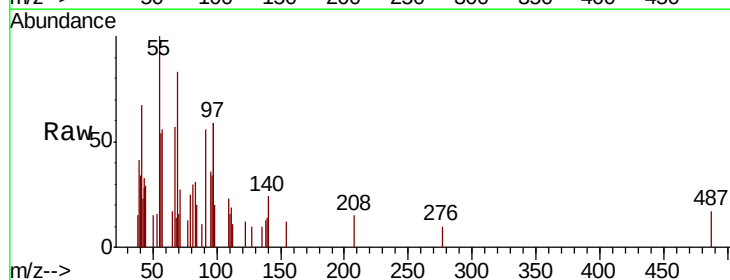
Acq: 11 Oct 2019 12:25

Tgt Ion: 91 Resp: 935

Ion Ratio Lower Upper

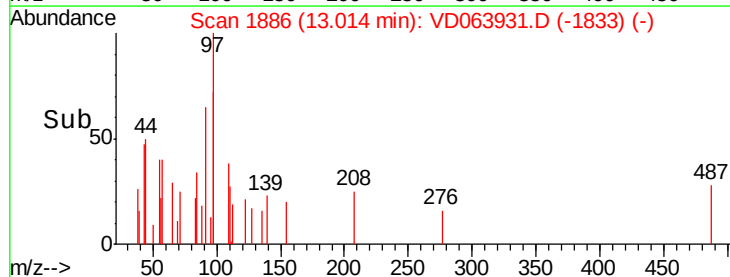
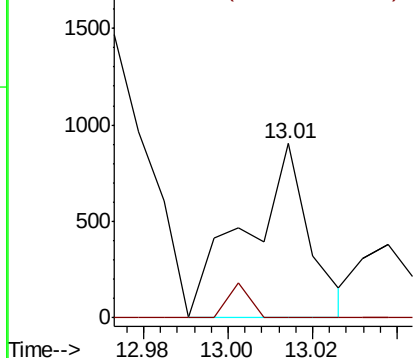
91 100

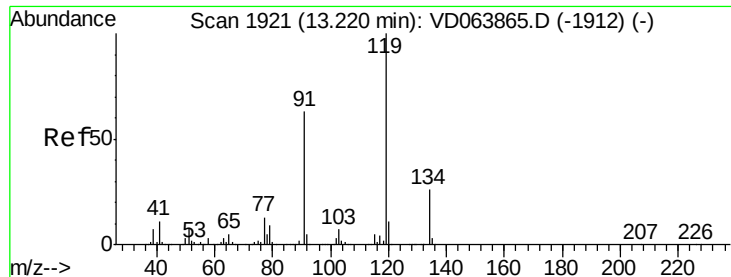
126 7.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.443 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.05 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

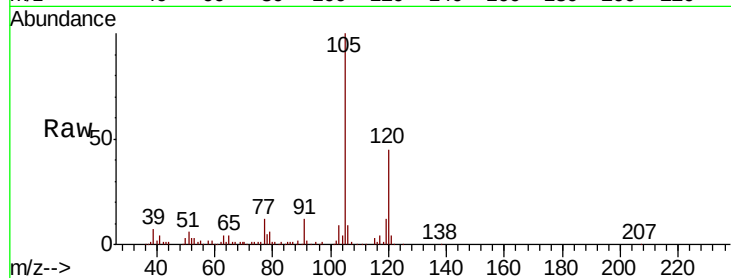
Tot Ion:119 Resp: 19769

Ion Ratio Lower Upper

119 100

91 85.8 30.0 90.0

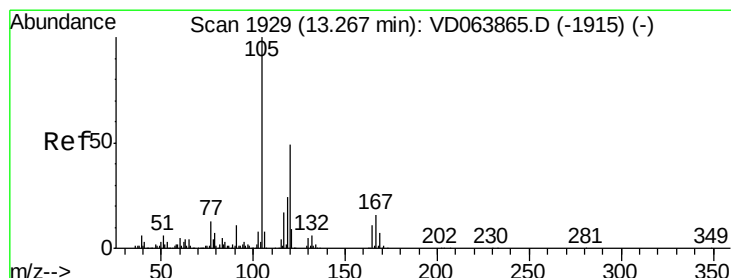
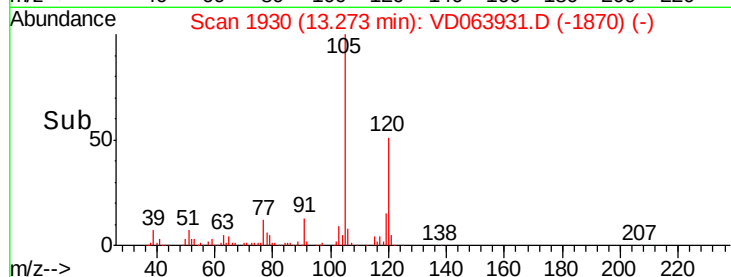
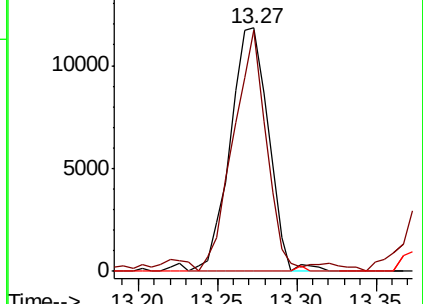
134 0.0 13.0 38.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 135.462 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VD063931.D

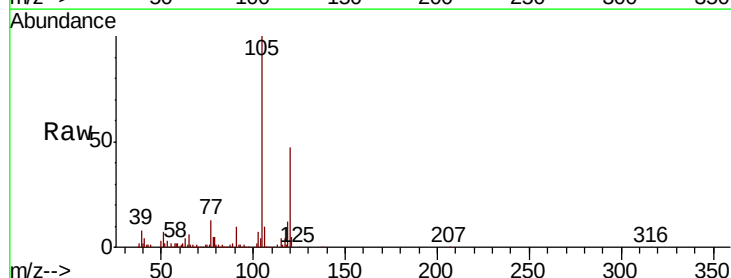
Acq: 11 Oct 2019 12:25

Tgt Ion:105 Resp: 151742

Ion Ratio Lower Upper

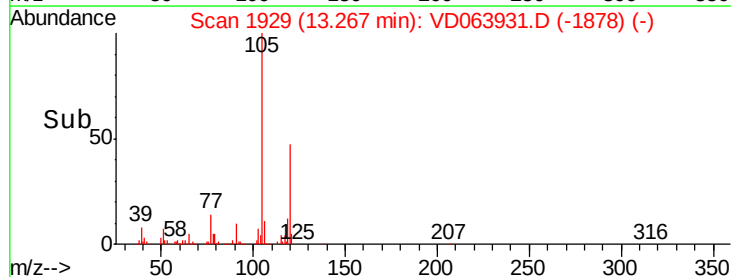
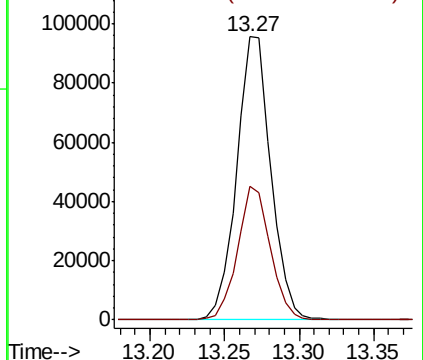
105 100

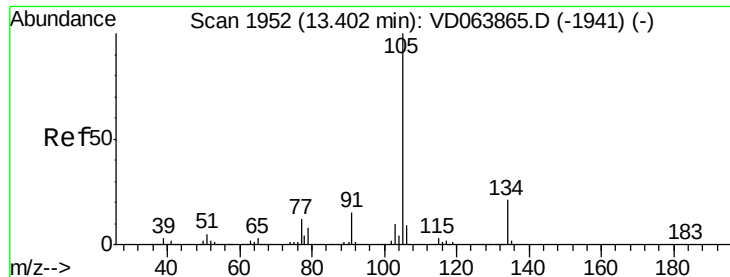
120 45.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 7.729 ug/l

RT: 13.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

Instrument :

MSVOA_D

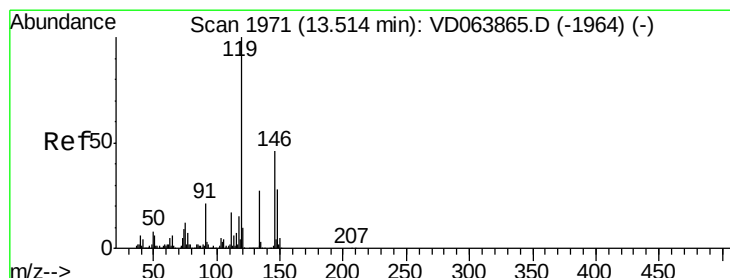
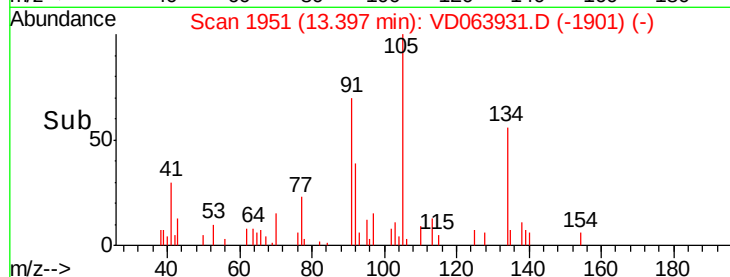
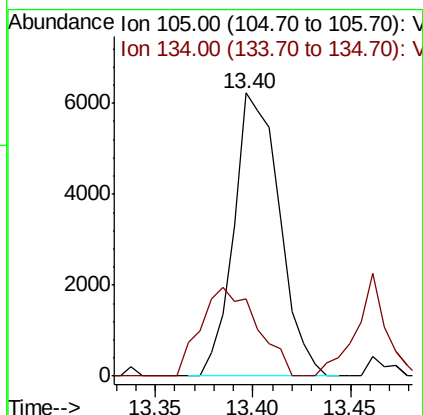
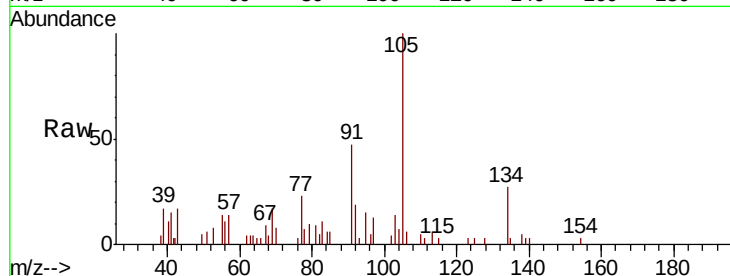
ClientSampleId :

Tot Ion:105 Resp: 10093

Ion Ratio Lower Upper

105 100

134 38.6 10.6 31.8#



#86

p-Isopropyltoluene

Concen: 4.880 ug/l

RT: 13.46 min Scan# 1962

Delta R.T. -0.05 min

Lab File: VD063931.D

Acq: 11 Oct 2019 12:25

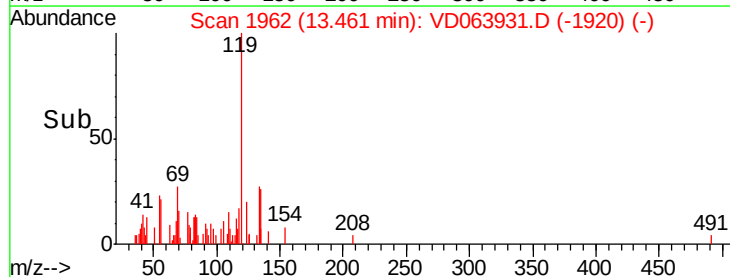
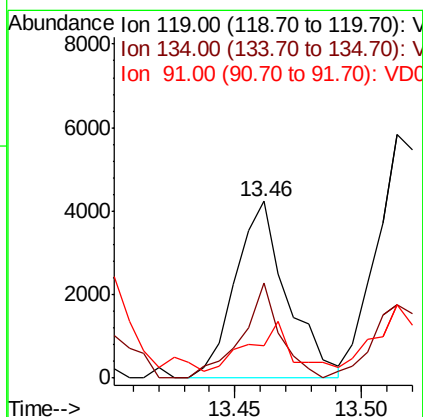
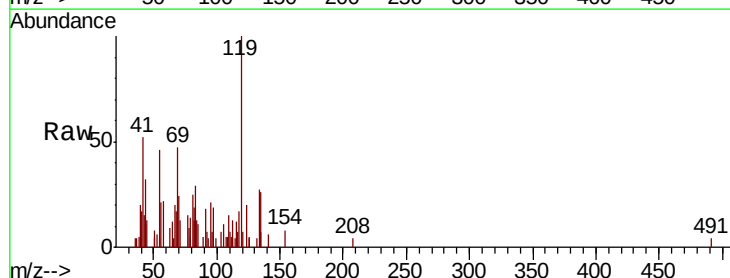
Tgt Ion:119 Resp: 6031

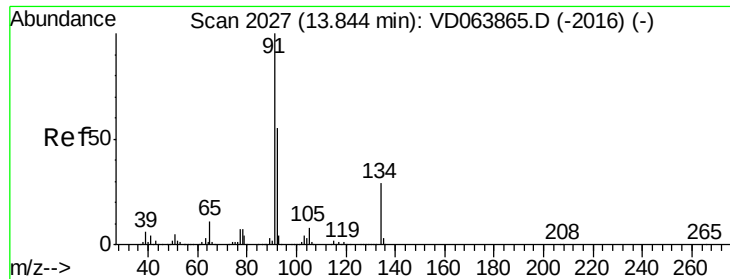
Ion Ratio Lower Upper

119 100

134 39.5 13.9 41.6

91 22.7 11.2 33.5

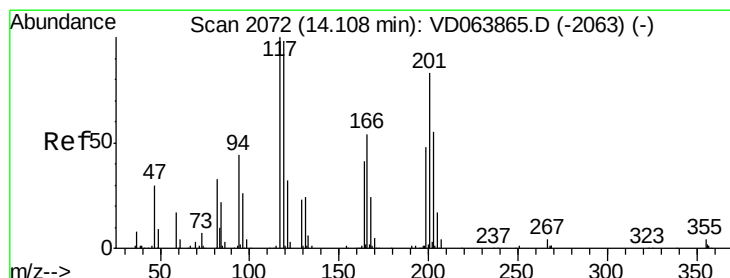
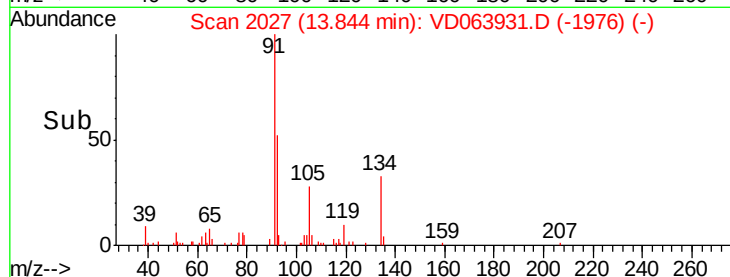
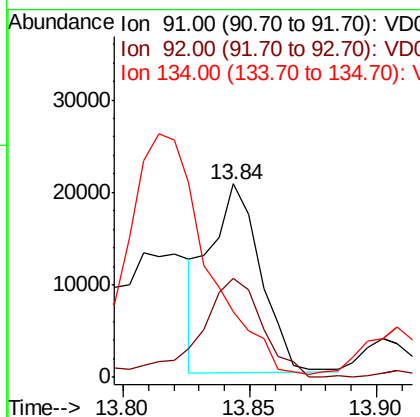
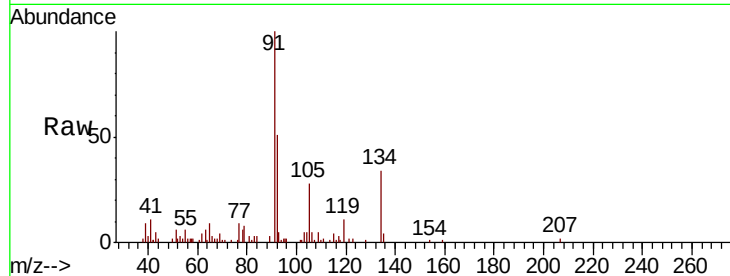




#89
n-Butylbenzene
Concen: 24.719 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

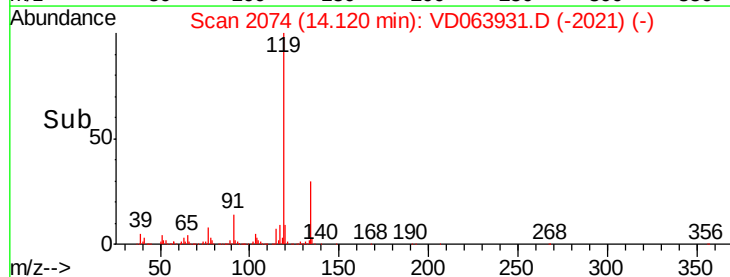
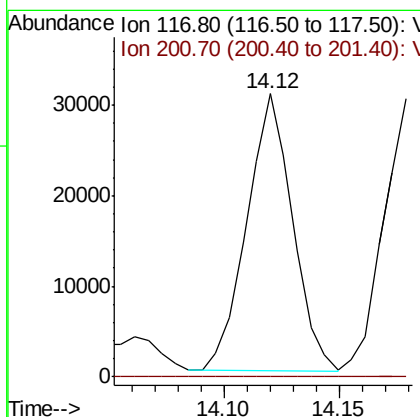
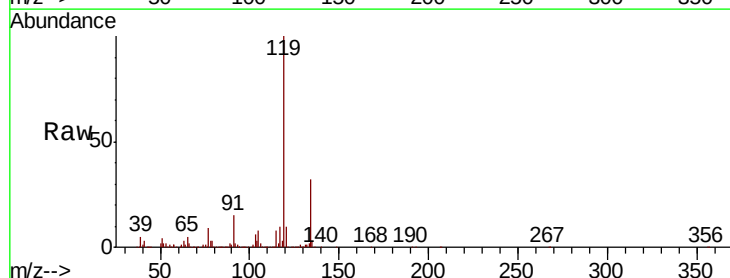
Instrument :
MSVOA_D
ClientSampleId :

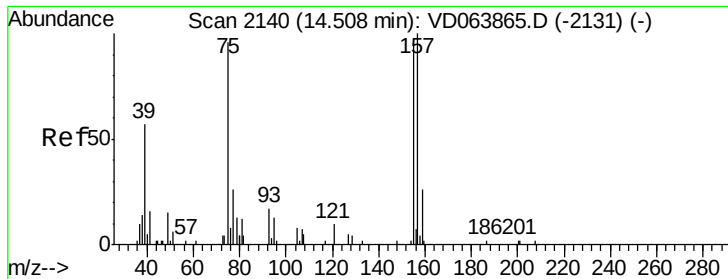
Tot Ion: 91 Resp: 28434
Ion Ratio Lower Upper
91 100
92 64.1 26.8 80.3
134 0.0 14.4 43.0#



#90
Hexachloroethane
Concen: 189.945 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion: 117 Resp: 42217
Ion Ratio Lower Upper
117 100
201 0.0 40.6 121.7#

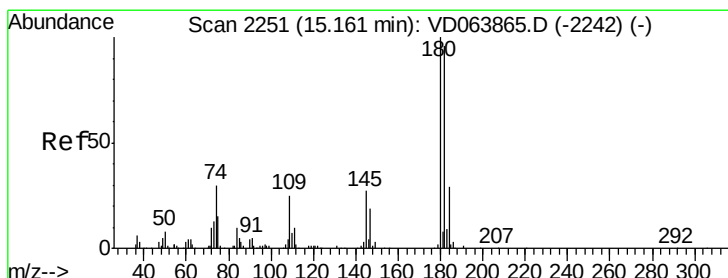
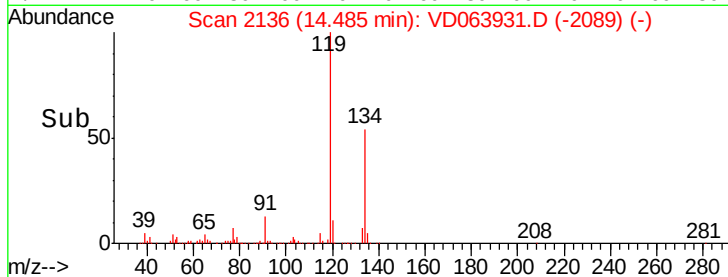
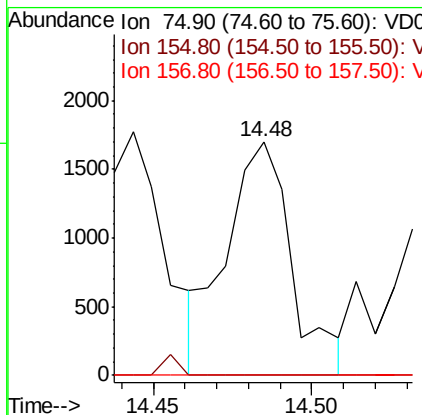
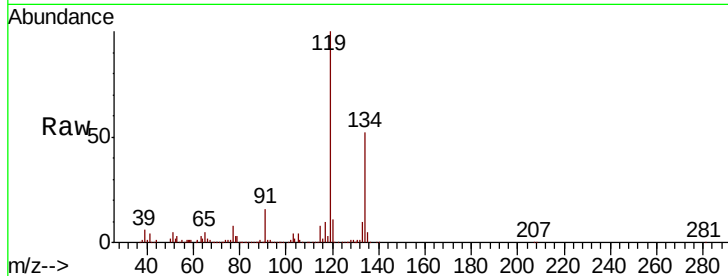




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.931 ug/l
 RT: 14.48 min Scan# 2136
 Delta R.T. -0.02 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

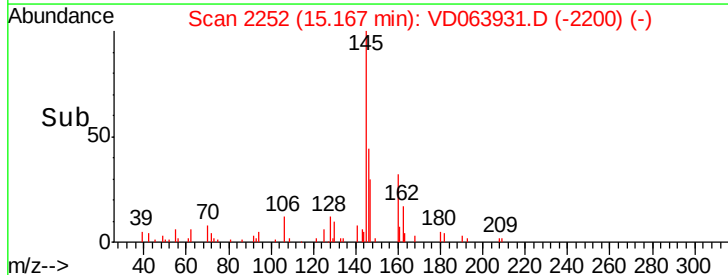
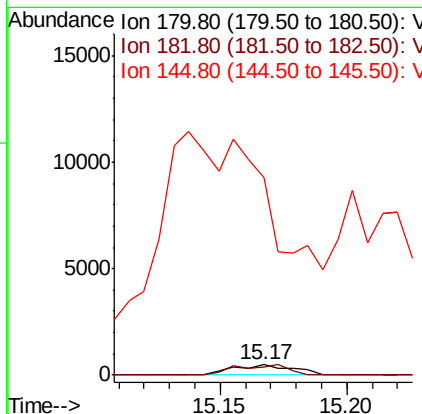
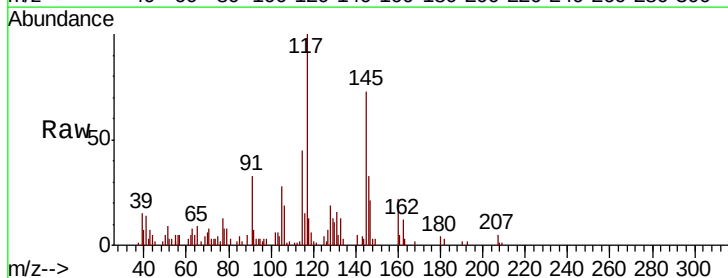
Instrument :
 MSVOA_D
 ClientSampleId :

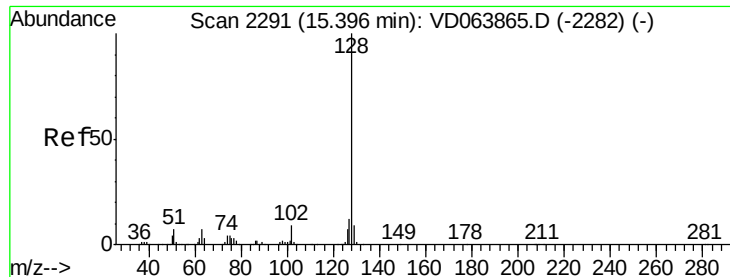
Tot Ion: 75 Resp: 2428
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.9 131.6#
 157 0.0 56.0 167.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.888 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063931.D
 Acq: 11 Oct 2019 12:25

Tgt Ion: 180 Resp: 805
 Ion Ratio Lower Upper
 180 100
 182 86.5 47.4 142.3
 145 0.0 13.9 41.7#

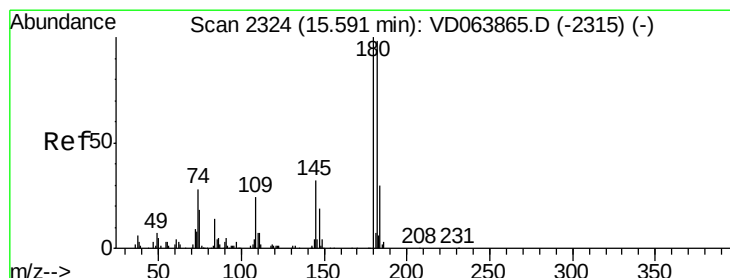
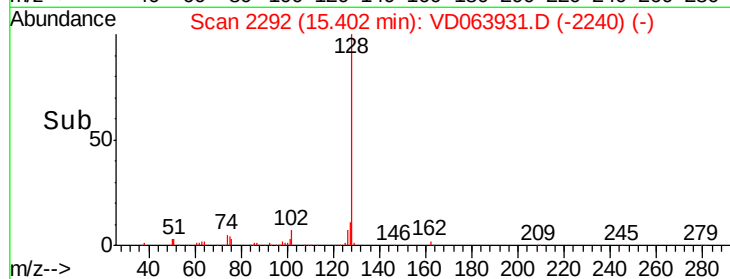
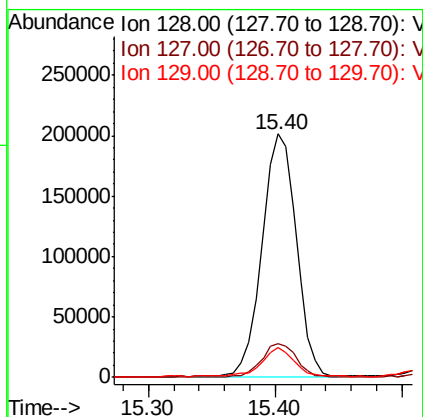
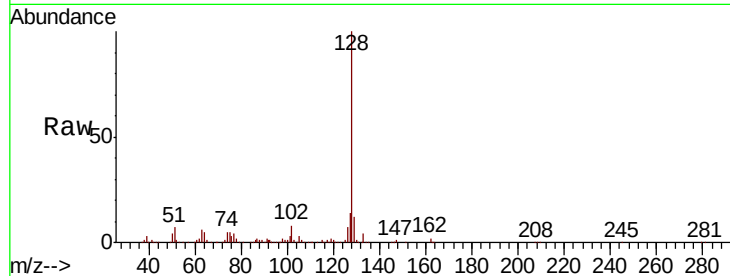




#95
Naphthalene
Concen: 527.651 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 378102
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 12.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.838 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063931.D
Acq: 11 Oct 2019 12:25

Tgt Ion:180 Resp: 676
Ion Ratio Lower Upper
180 100
182 154.1 47.0 141.0#
145 2355.5 15.3 45.9#

