

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063271.D
 Acq On : 31 Jul 2019 11:43
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 04:00:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1127542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1492227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1293705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	675945	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	651204	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	6.92	113	726642	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	
50) Toluene-d8	10.40	98	1540909	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
62) 4-Bromofluorobenzene	13.55	95	664115	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	282669	20.509	ug/l	98
3) Chloromethane	1.74	50	221793	20.712	ug/l	92
4) Vinyl Chloride	1.84	62	234155	21.123	ug/l	99
5) Bromomethane	2.14	94	94849	16.965	ug/l	97
6) Chloroethane	2.25	64	85667	16.738	ug/l #	82
7) Trichlorofluoromethane	2.52	101	439439	20.433	ug/l	99
8) Diethyl Ether	2.87	74	53224	17.683	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	240694	20.204	ug/l	98
10) Methyl Iodide	3.30	142	312209	18.142	ug/l	97
11) Tert butyl alcohol	4.08	59	45992	83.766	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	176652	20.199	ug/l	89
13) Acrolein	3.03	56	46960	88.871	ug/l	99
14) Allyl chloride	3.61	41	260216	18.677	ug/l	96
15) Acrylonitrile	4.19	53	131007	92.034	ug/l	89
16) Acetone	3.22	43	223791	91.806	ug/l	100
17) Carbon Disulfide	3.36	76	577895	19.742	ug/l	97
18) Methyl Acetate	3.64	43	91495	19.541	ug/l #	80
19) Methyl tert-butyl Ether	4.22	73	372688	18.865	ug/l	98
20) Methylene Chloride	3.81	84	189034	19.185	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	204481	20.838	ug/l	90
22) Diisopropyl ether	5.12	45	542100	19.476	ug/l #	93
23) Vinyl Acetate	5.05	43	1592891	93.096	ug/l	99
24) 1,1-Dichloroethane	4.97	63	333387	18.751	ug/l	95
25) 2-Butanone	6.06	43	224509	91.771	ug/l	95
26) 2,2-Dichloropropane	6.01	77	355827	19.420	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	208502	19.818	ug/l	93
28) Bromochloromethane	6.43	49	132735	18.738	ug/l	87
29) Tetrahydrofuran	6.46	42	104221	89.982	ug/l	98
30) Chloroform	6.66	83	422072	19.129	ug/l	99
31) Cyclohexane	6.95	56	224302	20.127	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	415887	19.486	ug/l	98
36) 1,1-Dichloropropene	7.13	75	283906	20.847	ug/l	96
37) Ethyl Acetate	6.18	43	121171	19.805	ug/l #	98
38) Carbon Tetrachloride	7.11	117	410863	20.040	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	245090	21.601	ug/l	96
40) Benzene	7.45	78	586903	20.563	ug/l	96
41) Methacrylonitrile	6.46	41	137399	18.774	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	297031	19.636	ug/l	98
43) Isopropyl Acetate	9.23	43	145870	18.664	ug/l #	97
44) Trichloroethene	8.53	130	247154	21.370	ug/l	93
45) 1,2-Dichloropropane	8.94	63	144298	19.891	ug/l	98
46) Dibromomethane	9.05	93	119710	19.846	ug/l	92
47) Bromodichloromethane	9.37	83	323531	21.041	ug/l	97
48) Methyl methacrylate	9.11	41	99898	19.709	ug/l	94
49) 1,4-Dioxane	9.07	88	17756	411.101	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	523873	98.563	ug/l	98
52) Toluene	10.50	92	418412	22.041	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	261517	19.727	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	296622	21.290	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	121513	18.953	ug/l	95
56) Ethyl methacrylate	11.03	69	146041	20.802	ug/l	90
57) 1,3-Dichloropropane	11.40	76	196438	19.446	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	345709	94.636	ug/l	98
59) 2-Hexanone	11.53	43	382844	99.952	ug/l	96
60) Dibromochloromethane	11.68	129	248605	20.540	ug/l	99
61) 1,2-Dibromoethane	11.80	107	160845	20.332	ug/l	96
64) Tetrachloroethene	11.25	164	197329	19.146	ug/l	93
65) Chlorobenzene	12.39	112	503542	20.236	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	226221	20.639	ug/l	99
67) Ethyl Benzene	12.52	91	927070	21.931	ug/l	99
68) m/p-Xylenes	12.67	106	655139	42.260	ug/l	98
69) o-Xylene	13.04	106	292915	20.576	ug/l	97
70) Styrene	13.07	104	479237	18.982	ug/l	99
71) Bromoform	13.23	173	154642	19.400	ug/l	98
73) Isopropylbenzene	13.40	105	906435	21.366	ug/l	98
74) N-amyl acetate	13.26	43	205160	18.293	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	144093	19.995	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	161844	19.934	ug/l	98
77) Bromobenzene	13.66	156	254600	21.067	ug/l	97
78) n-propylbenzene	13.77	91	987535	19.561	ug/l	97
79) 2-Chlorotoluene	13.84	91	600951	20.543	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	799813	21.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	39196	17.386	ug/l #	77
82) 4-Chlorotoluene	13.95	91	779621	22.646	ug/l	100
83) tert-Butylbenzene	14.18	119	871320	20.855	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	759553	20.069	ug/l	98
85) sec-Butylbenzene	14.36	105	854100	19.403	ug/l	100
86) p-Isopropyltoluene	14.49	119	871755	20.749	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	455903	21.302	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	408900	18.893	ug/l	95
89) n-Butylbenzene	14.79	91	794438	21.893	ug/l	98
90) Hexachloroethane	15.00	117	200626	18.329	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	371856	19.941	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	28672	19.533	ug/l	92

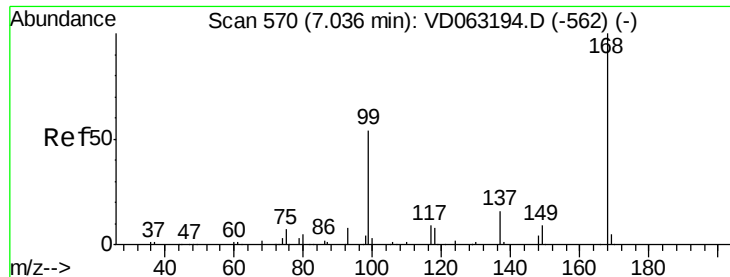
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
Data File : VD063271.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	292403	19.766	ug/l	96
94) Hexachlorobutadiene	16.03	225	205211	19.142	ug/l	95
95) Naphthalene	16.12	128	389107	18.610	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	222951	19.078	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

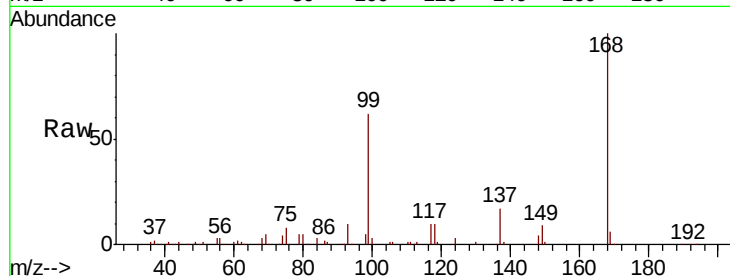
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1127542

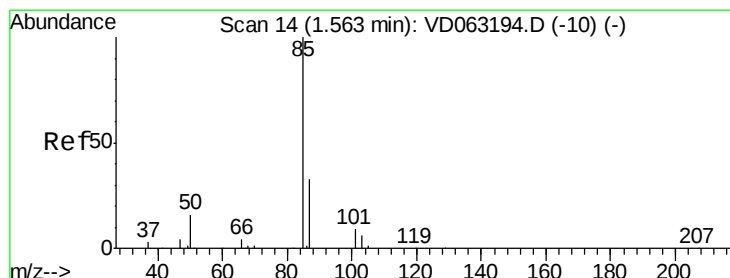
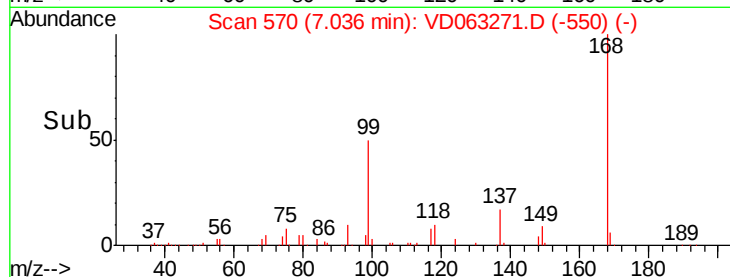
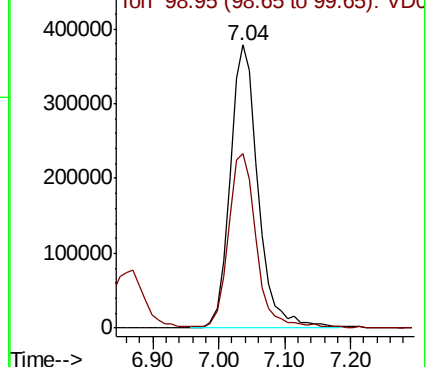
Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 20.509 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063271.D

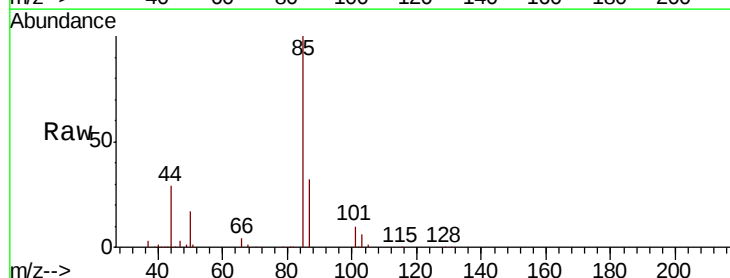
Acq: 31 Jul 2019 11:43

Tgt Ion: 85 Resp: 282669

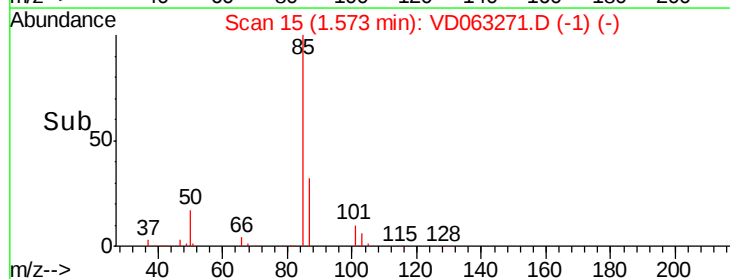
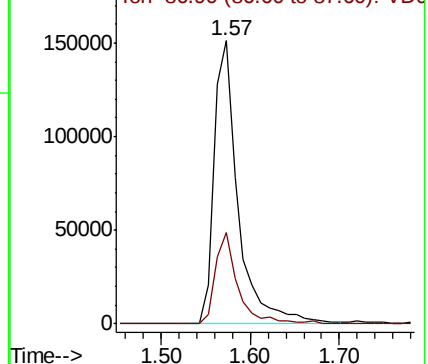
Ion Ratio Lower Upper

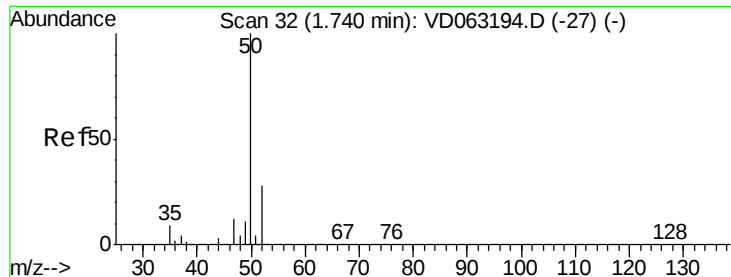
85 100

87 32.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 20.712 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

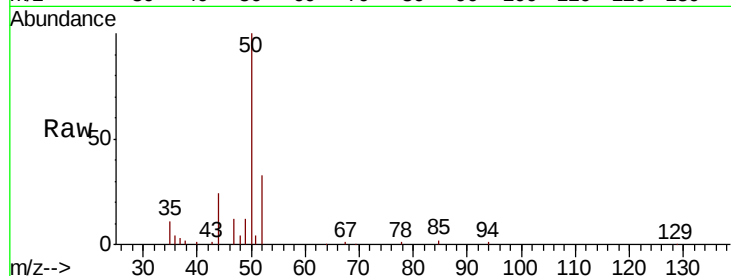
ClientSampleId :

Tot Ion: 50 Resp: 221793

Ion Ratio Lower Upper

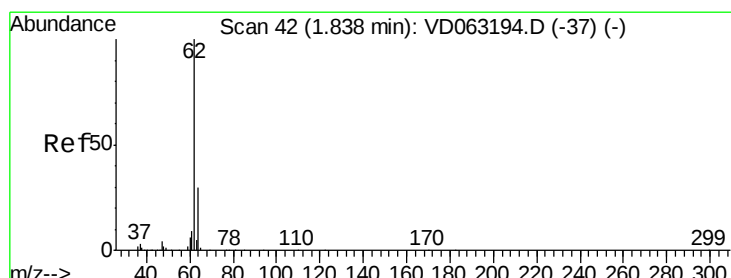
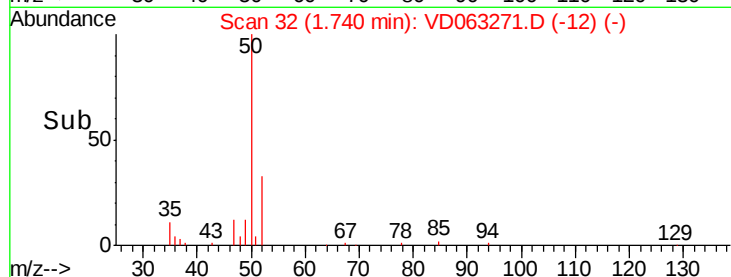
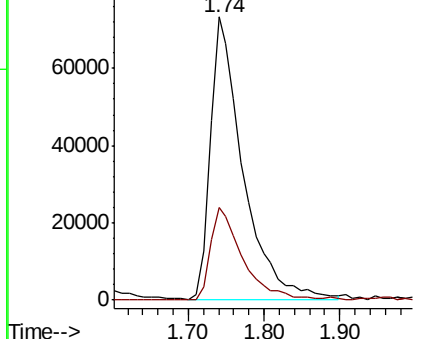
50 100

52 32.7 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.123 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063271.D

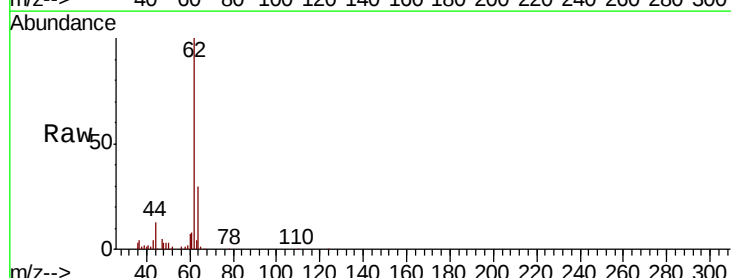
Acq: 31 Jul 2019 11:43

Tgt Ion: 62 Resp: 234155

Ion Ratio Lower Upper

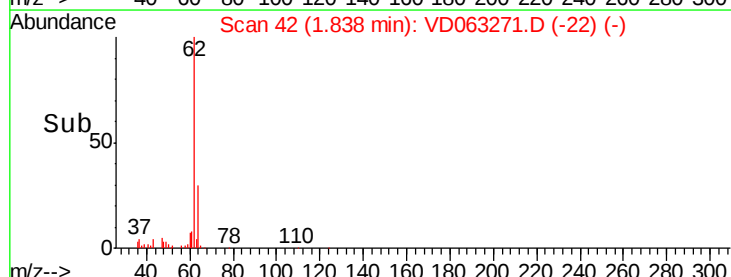
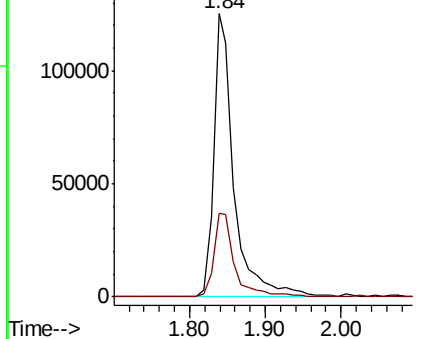
62 100

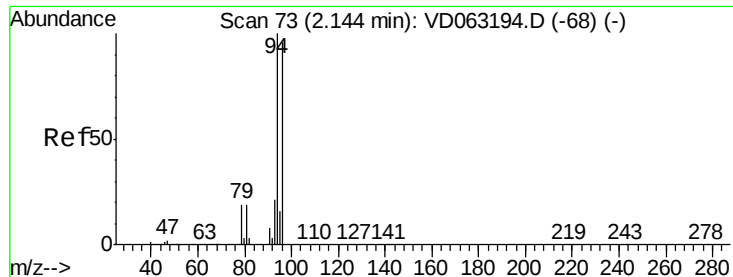
64 29.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.965 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

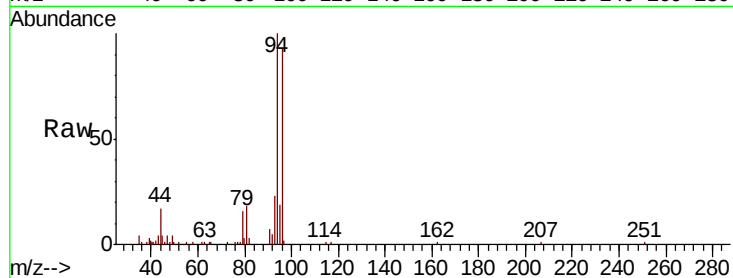
Tot Ion: 94 Resp: 94849

Ion Ratio Lower Upper

94 100

96 92.7 76.4 114.6

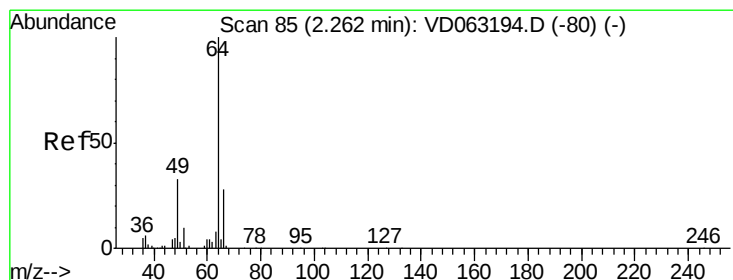
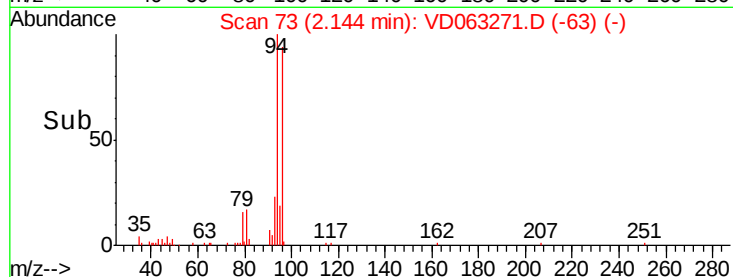
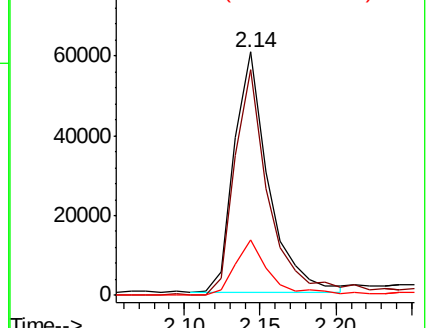
93 22.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.738 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063271.D

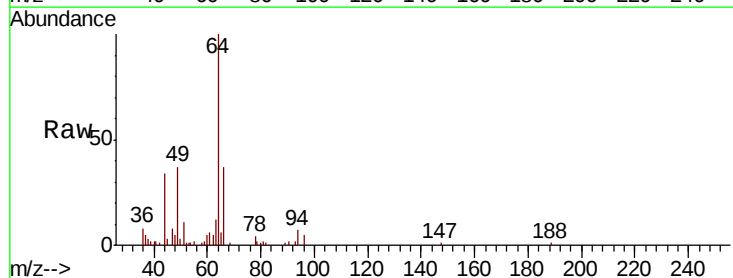
Acq: 31 Jul 2019 11:43

Tgt Ion: 64 Resp: 85667

Ion Ratio Lower Upper

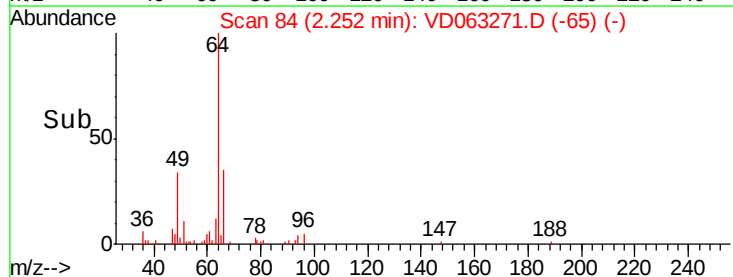
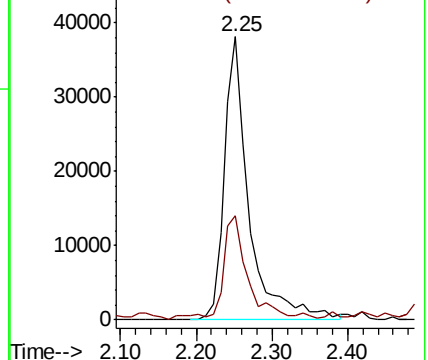
64 100

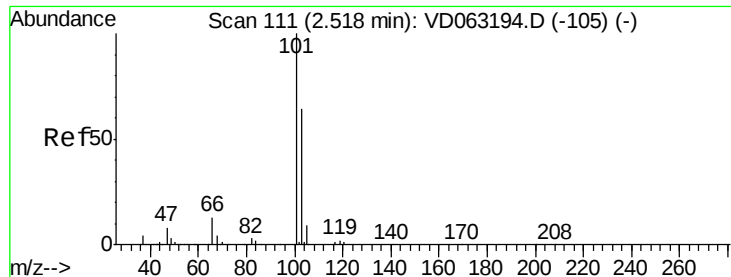
66 37.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



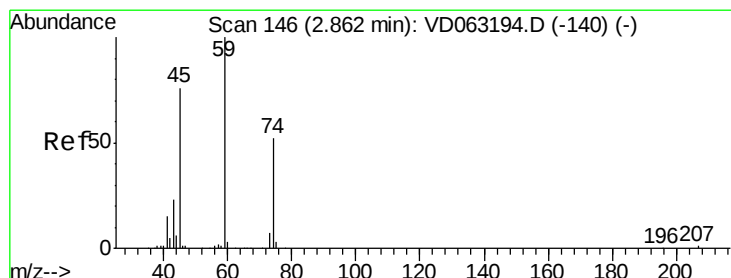
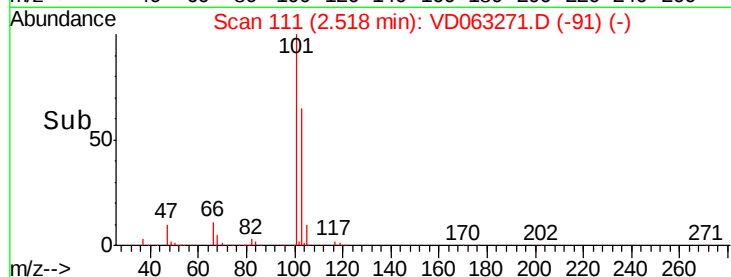
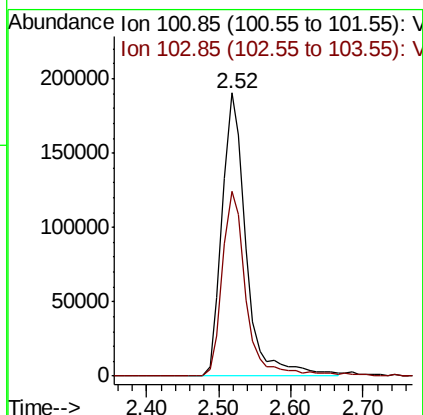
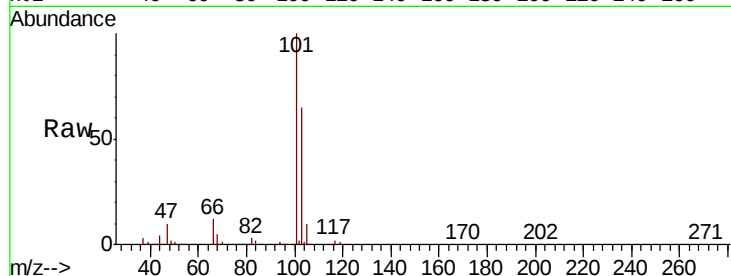


#7

Trichlorofluoromethane
 Concen: 20.433 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

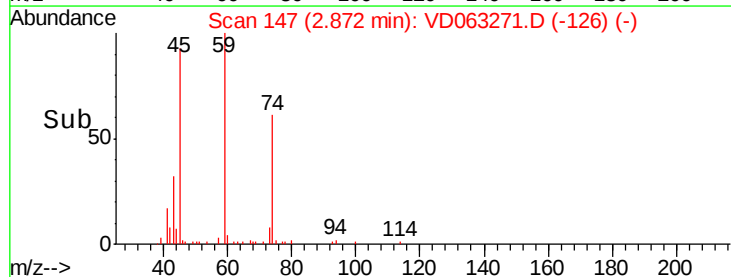
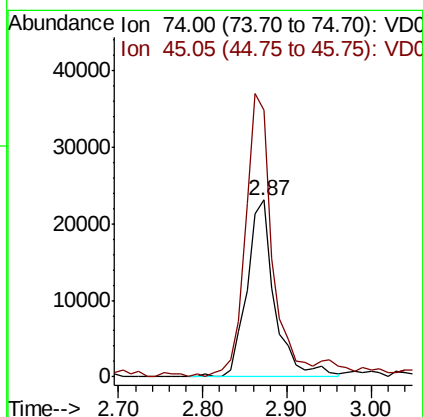
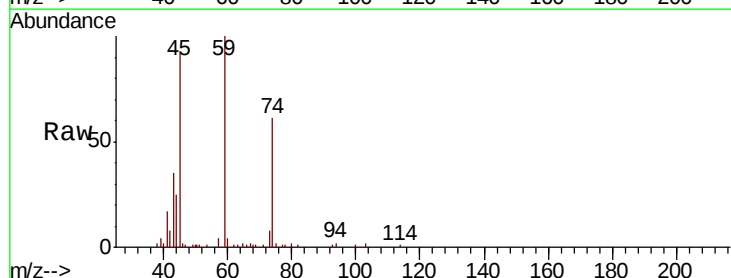
Tot Ion:101 Resp: 439439
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

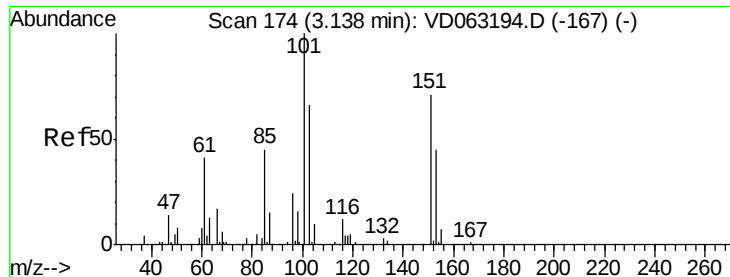


#8

Diethyl Ether
 Concen: 17.683 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 74 Resp: 53224
 Ion Ratio Lower Upper
 74 100
 45 150.8 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.204 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampled :

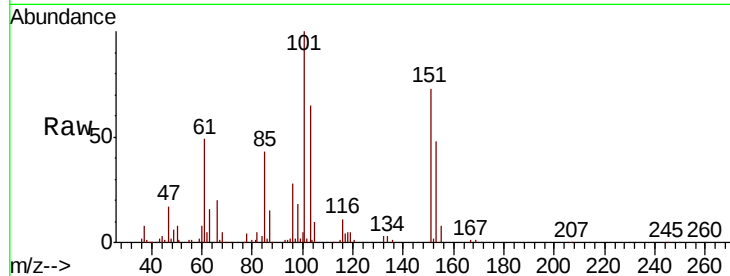
Tot Ion:101 Resp: 240694

Ion Ratio Lower Upper

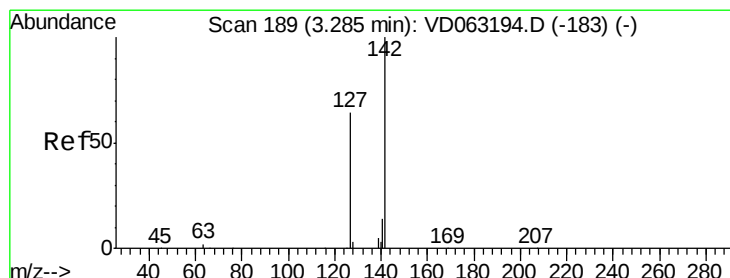
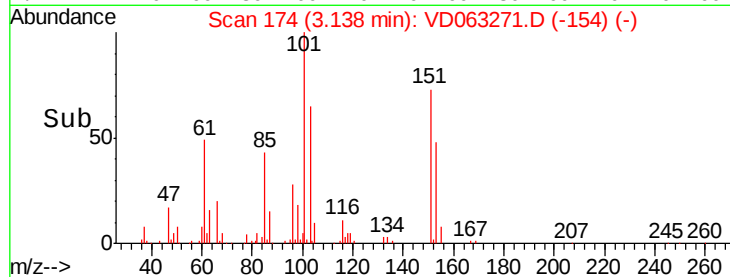
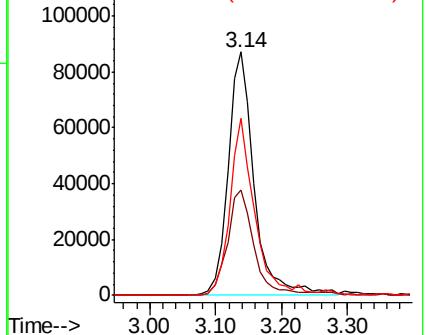
101 100

85 43.1 36.1 54.1

151 72.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.142 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

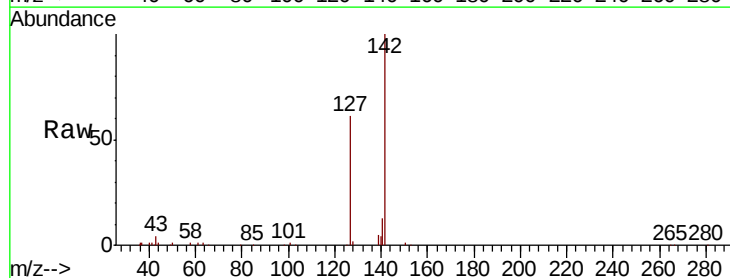
Tgt Ion:142 Resp: 312209

Ion Ratio Lower Upper

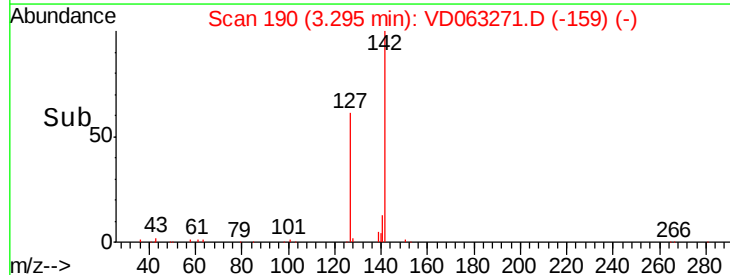
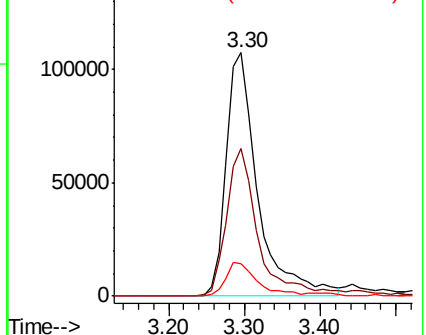
142 100

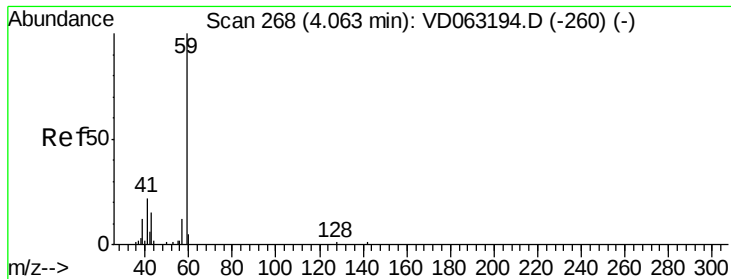
127 60.8 50.8 76.2

141 13.4 11.4 17.2



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



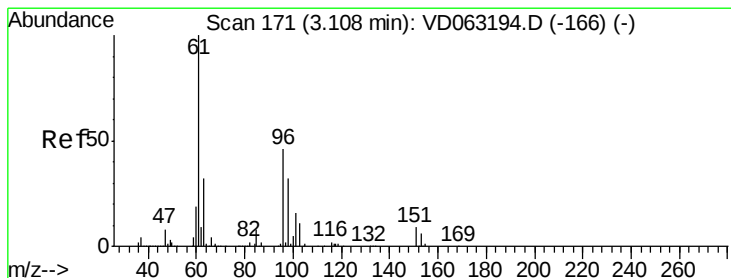
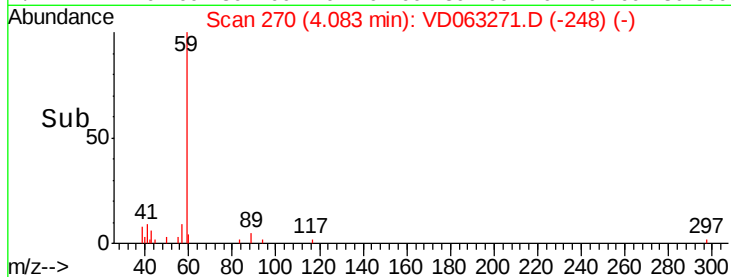
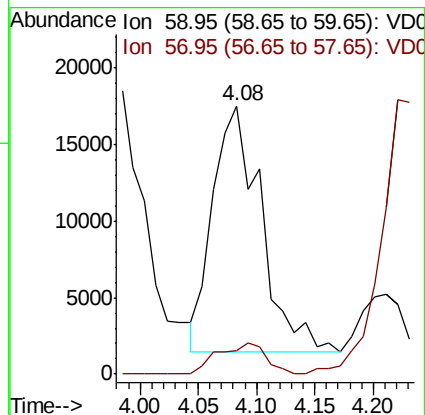
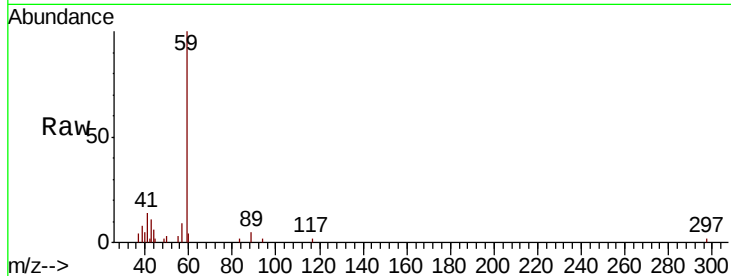


#11

Tert butyl alcohol
 Concen: 83.766 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

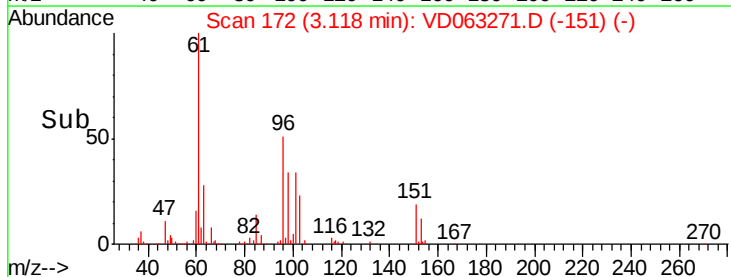
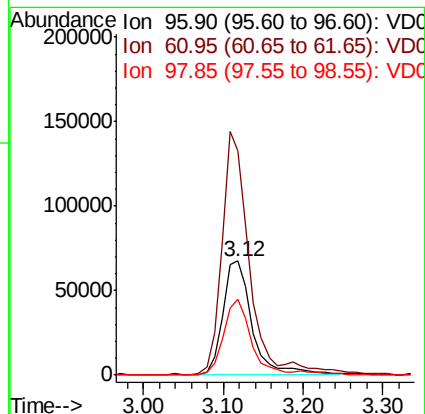
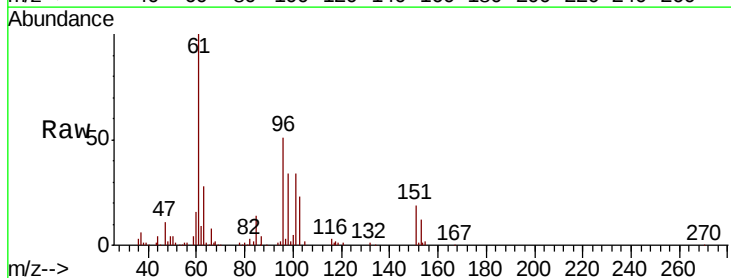
Tot Ion: 59 Resp: 45992
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.6 14.4#

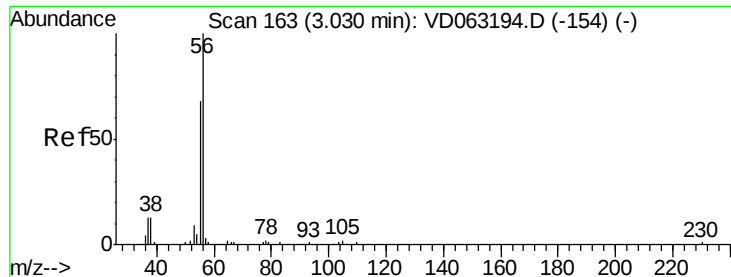


#12

1,1-Dichloroethene
 Concen: 20.199 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 96 Resp: 176652
 Ion Ratio Lower Upper
 96 100
 61 197.0 173.7 260.5
 98 66.4 55.8 83.8





#13

Acrolein

Concen: 88.871 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

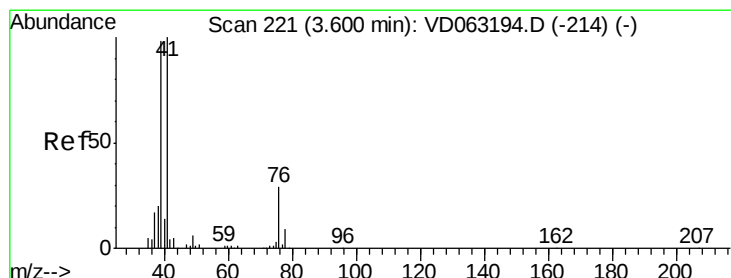
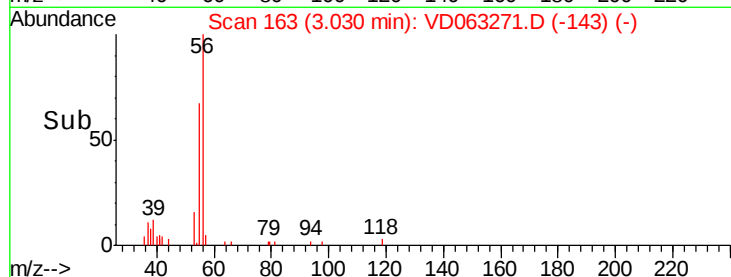
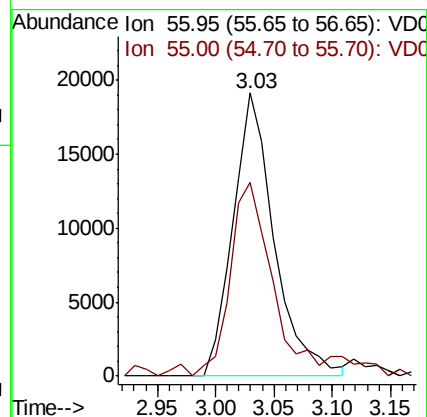
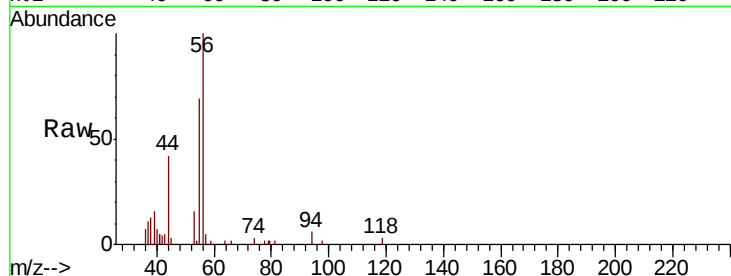
ClientSampleId :

Tot Ion: 56 Resp: 46960

Ion Ratio Lower Upper

56 100

55 68.5 55.3 82.9



#14

Allyl chloride

Concen: 18.677 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

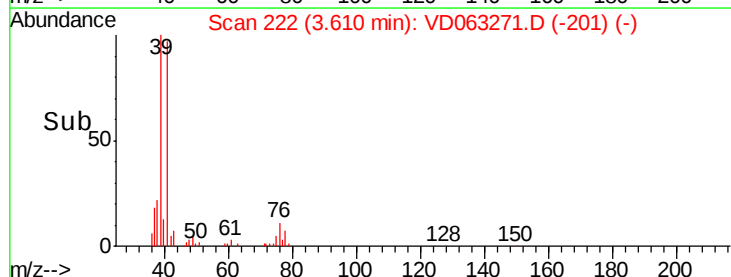
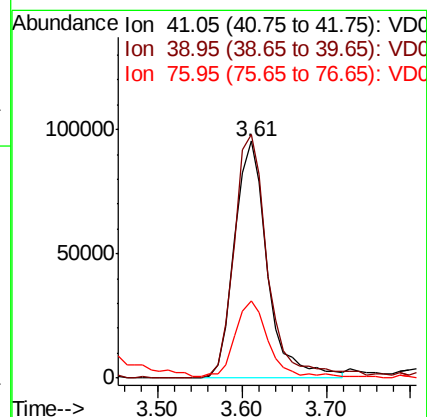
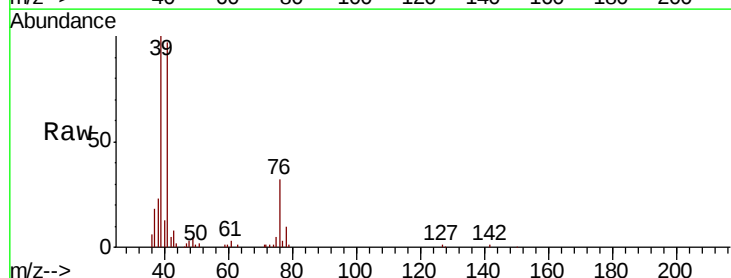
Tgt Ion: 41 Resp: 260216

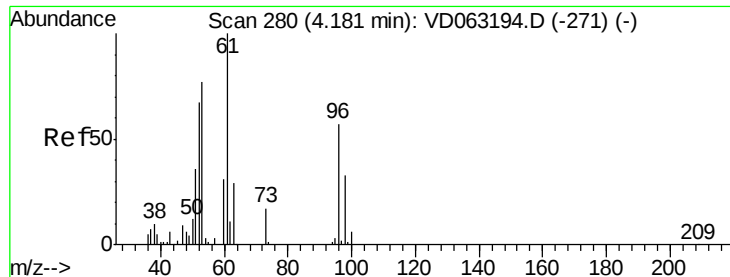
Ion Ratio Lower Upper

41 100

39 102.7 78.6 117.8

76 32.8 24.5 36.7





#15

Acrylonitrile

Concen: 92.034 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

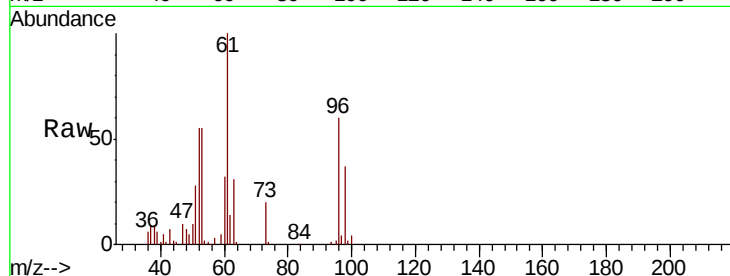
Tot Ion: 53 Resp: 131007

Ion Ratio Lower Upper

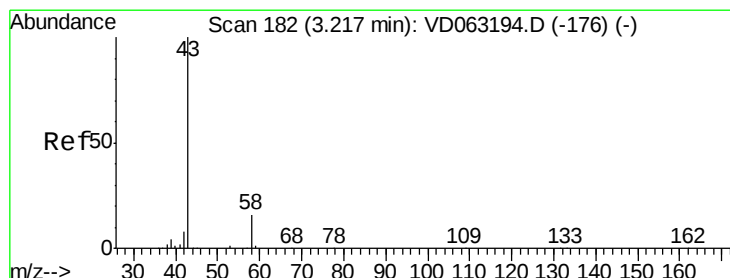
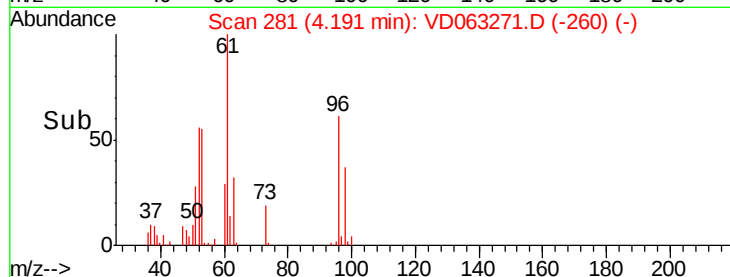
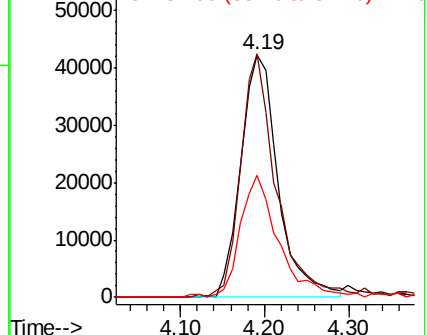
53 100

52 100.3 69.7 104.5

51 50.3 37.4 56.0



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: 91.806 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063271.D

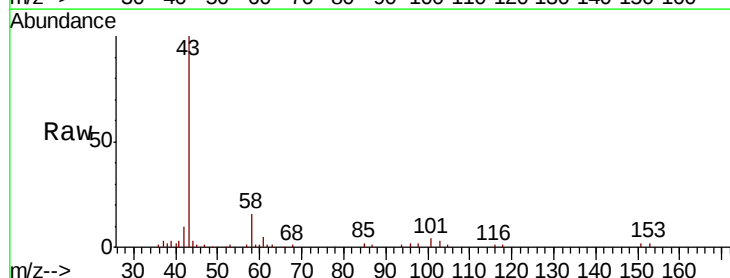
Acq: 31 Jul 2019 11:43

Tgt Ion: 43 Resp: 223791

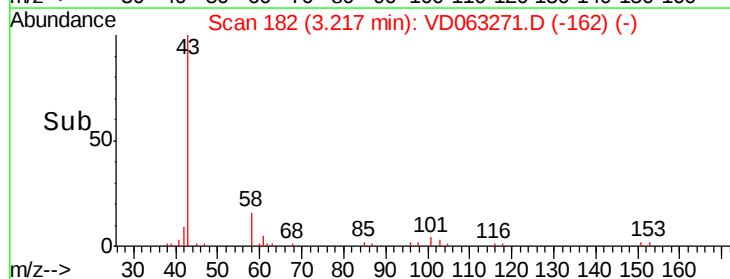
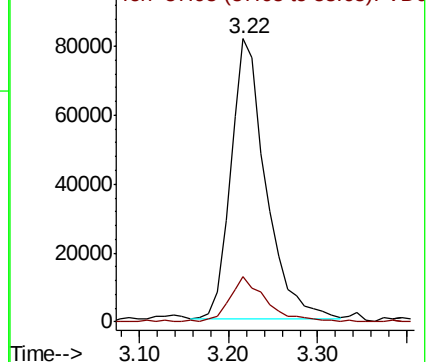
Ion Ratio Lower Upper

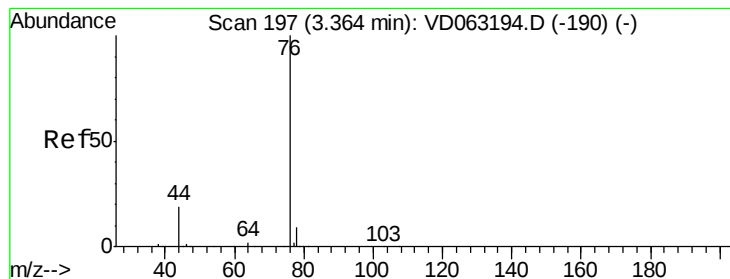
43 100

58 16.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.742 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

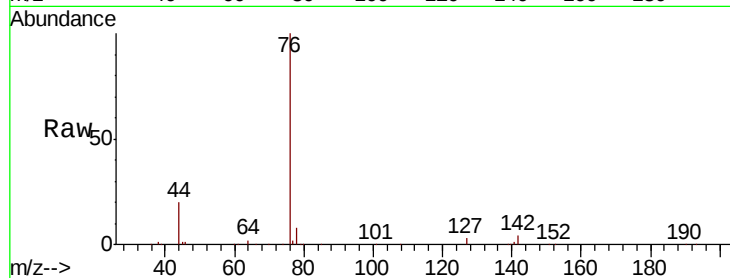
ClientSampleId :

Tot Ion: 76 Resp: 577895

Ion Ratio Lower Upper

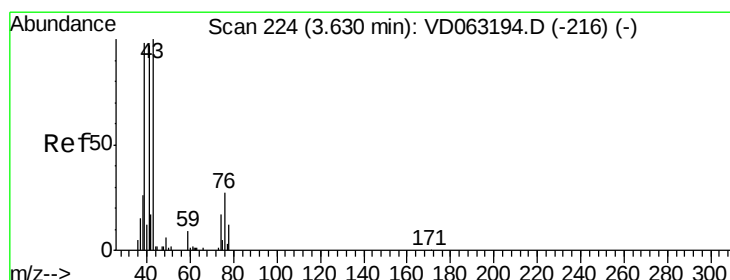
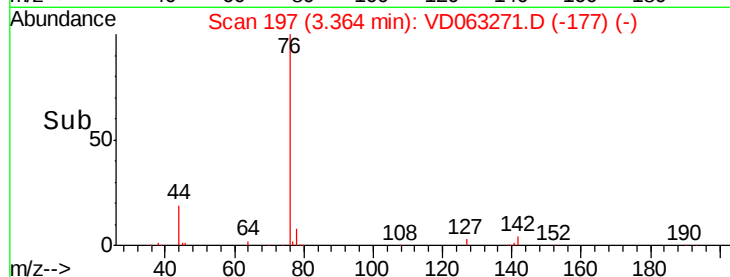
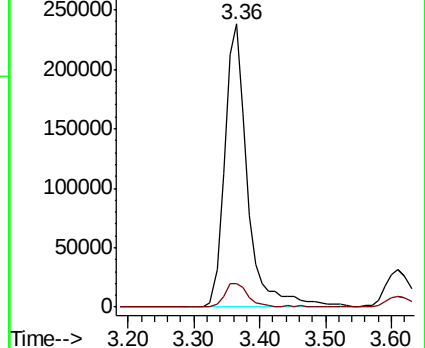
76 100

78 8.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.541 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063271.D

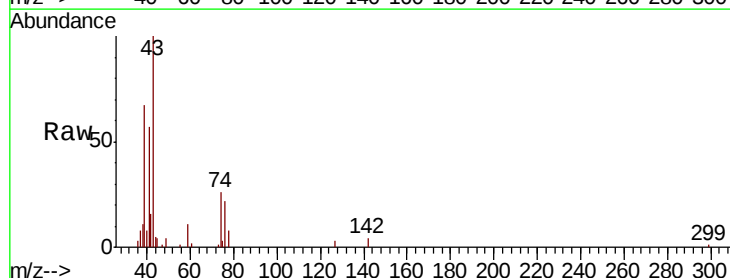
Acq: 31 Jul 2019 11:43

Tgt Ion: 43 Resp: 91495

Ion Ratio Lower Upper

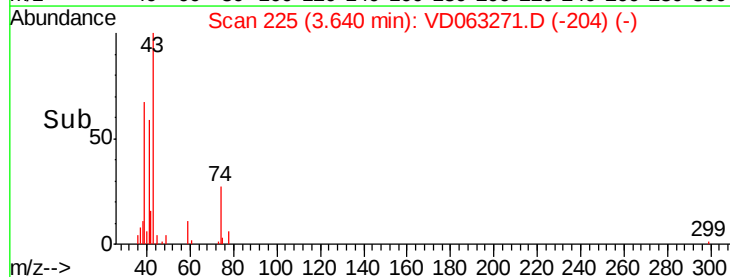
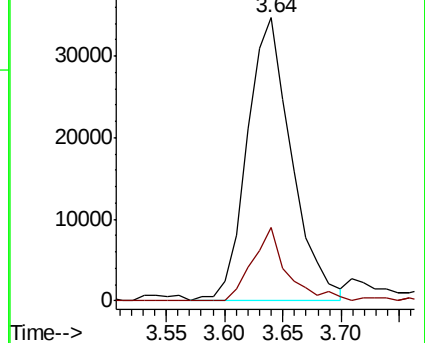
43 100

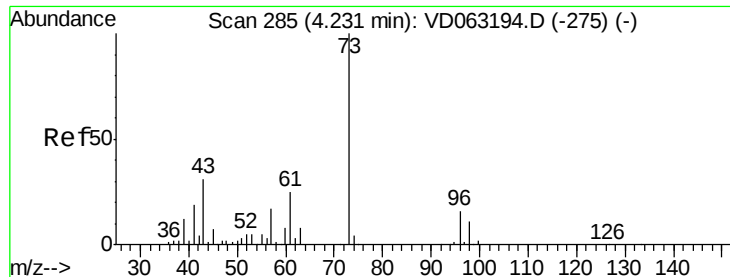
74 26.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

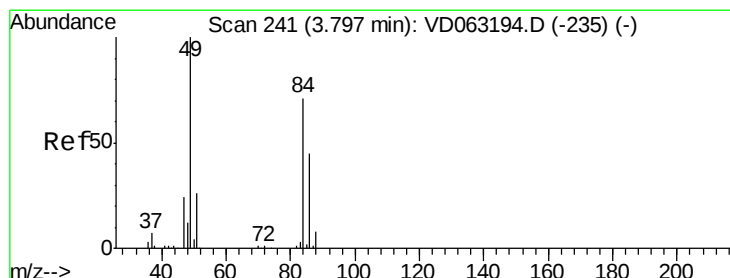
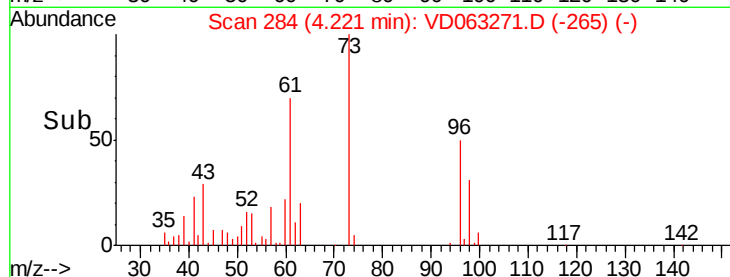
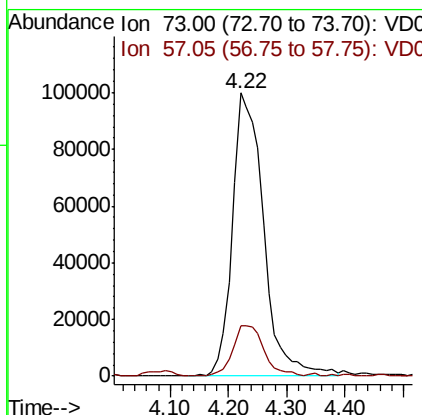
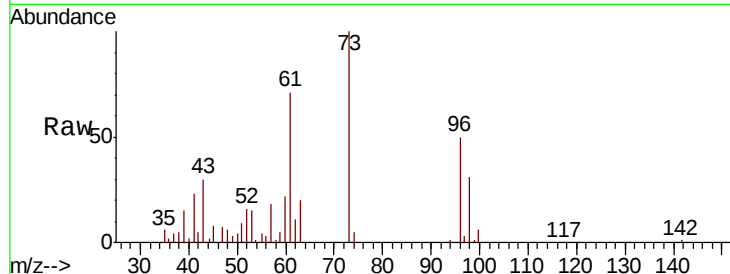




#19
Methvl tert-butvl Ether
Concen: 18.865 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

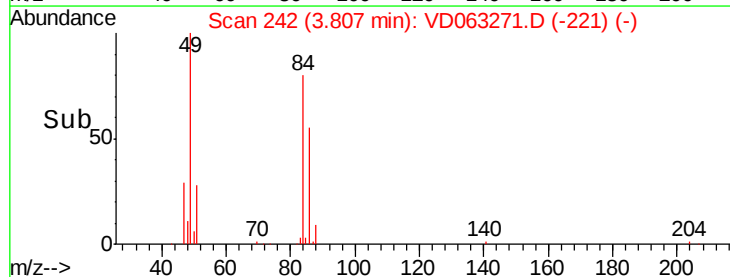
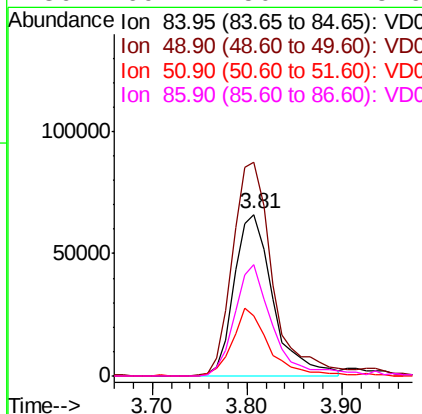
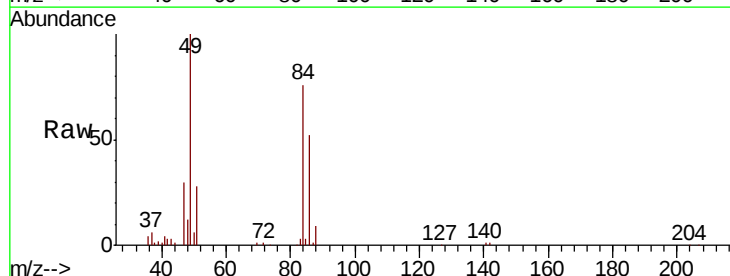
Instrument :
MSVOA_D
ClientSampleId :

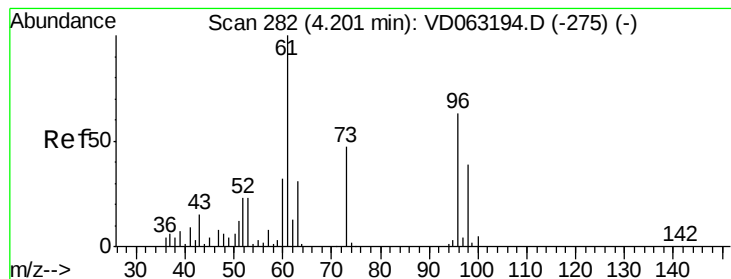
Tot Ion: 73 Resp: 372688
Ion Ratio Lower Upper
73 100
57 17.9 13.8 20.6



#20
Methylene Chloride
Concen: 19.185 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 84 Resp: 189034
Ion Ratio Lower Upper
84 100
49 132.0 112.5 168.7
51 37.5 29.6 44.4
86 69.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.838 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

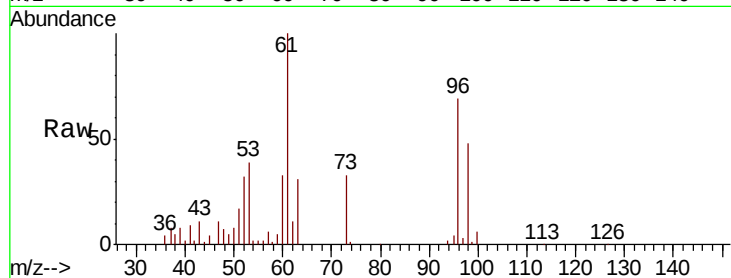
Tot Ion: 96 Resp: 204481

Ion Ratio Lower Upper

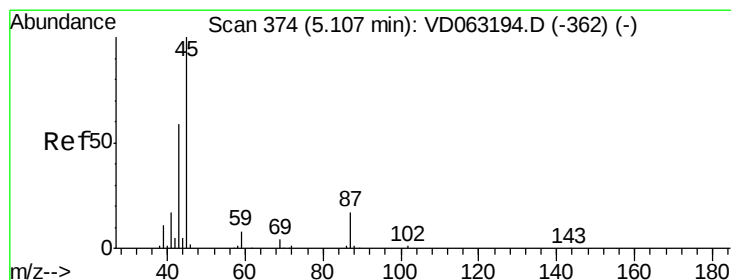
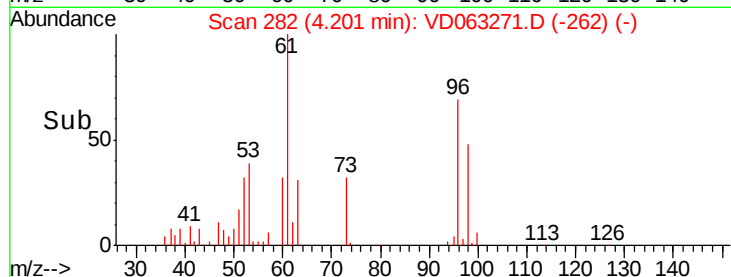
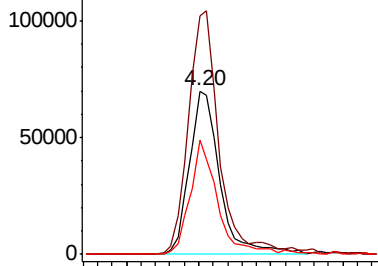
96 100

61 145.9 127.4 191.2

98 70.1 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.476 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Tgt Ion: 45 Resp: 542100

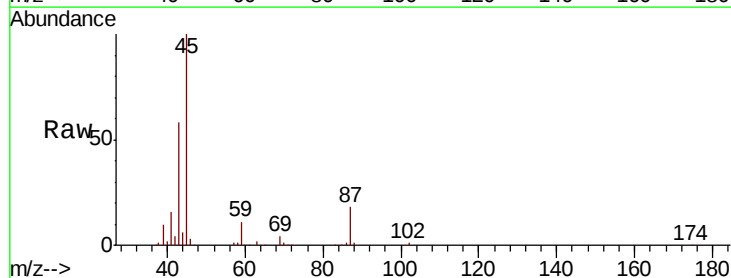
Ion Ratio Lower Upper

45 100

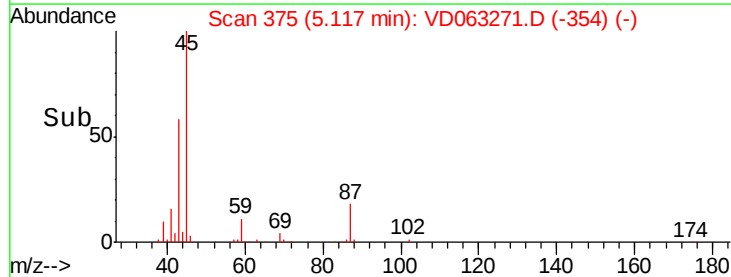
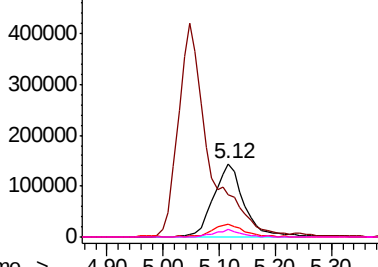
43 57.6 51.7 77.5

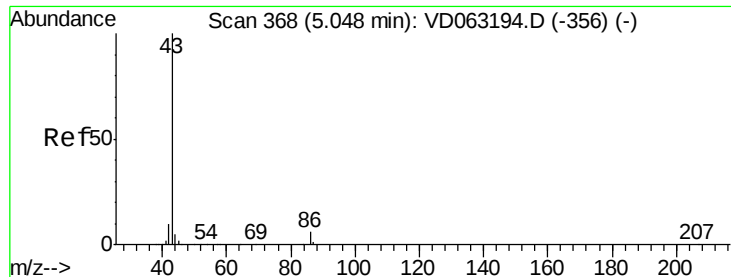
87 18.2 14.6 21.8

59 10.7 6.6 10.0#



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.096 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

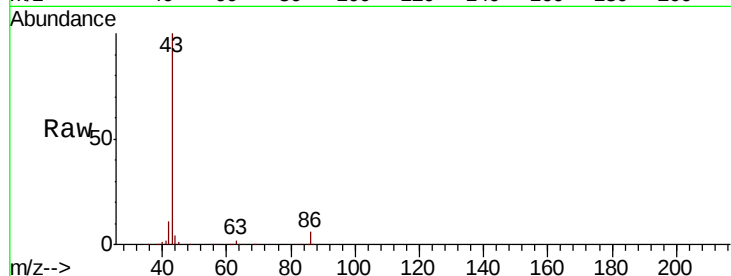
ClientSampleId :

Tot Ion: 43 Resp: 1592891

Ion Ratio Lower Upper

43 100

86 5.6 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

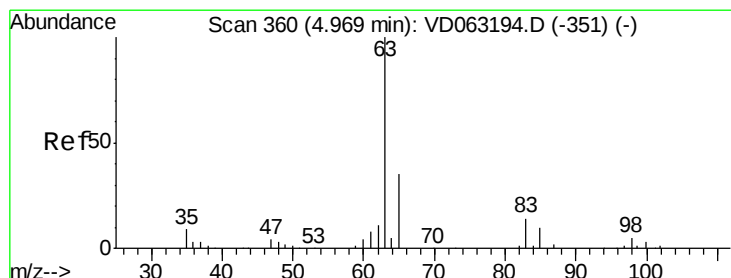
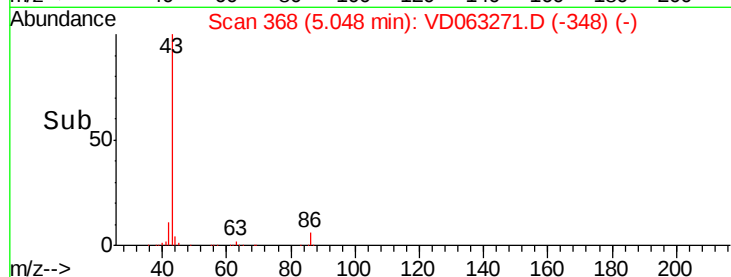
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.751 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

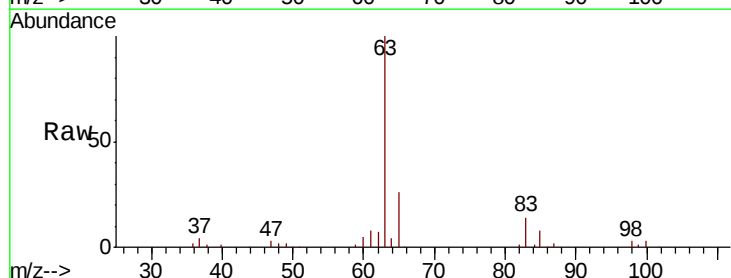
Tgt Ion: 63 Resp: 333387

Ion Ratio Lower Upper

63 100

98 3.3 2.8 8.4

100 3.4 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

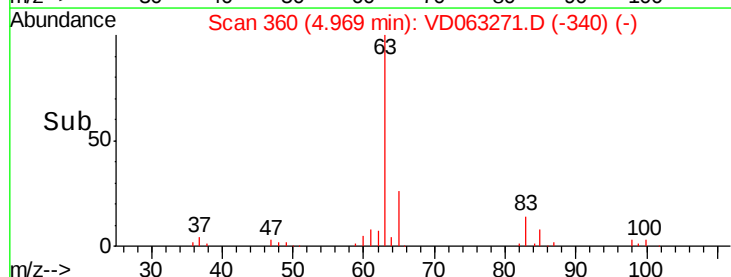
4.97

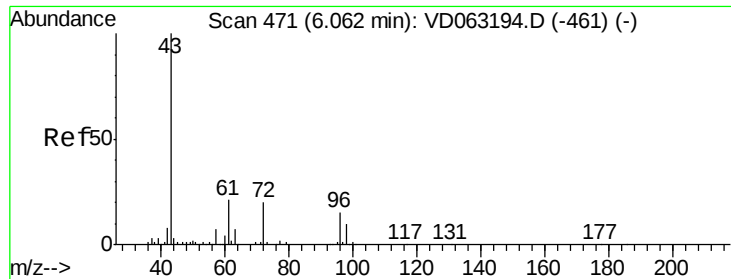
100000

50000

0

Time-->

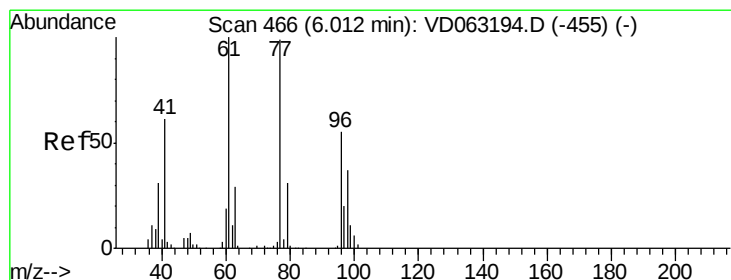
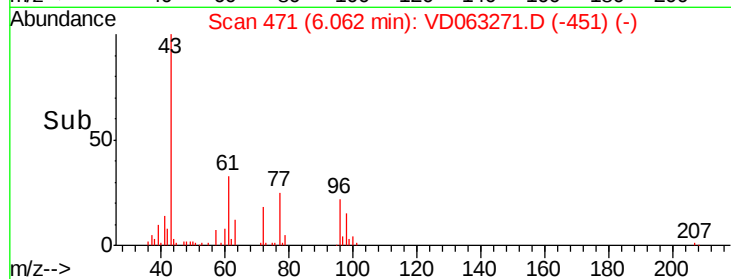
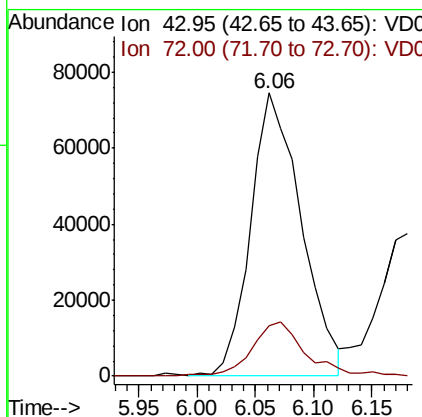
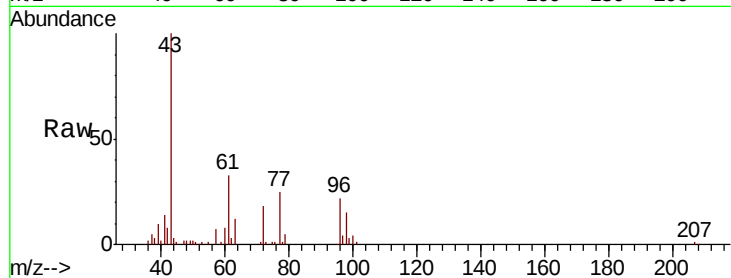




#25
2-Butanone
Concen: 91.771 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

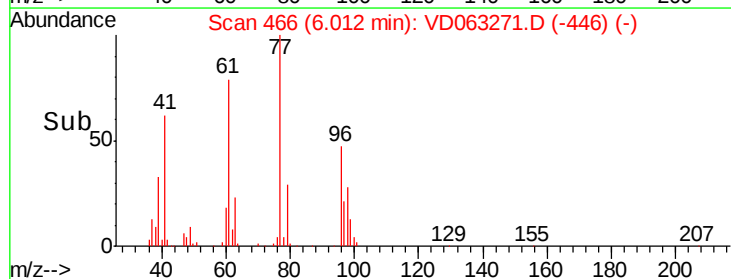
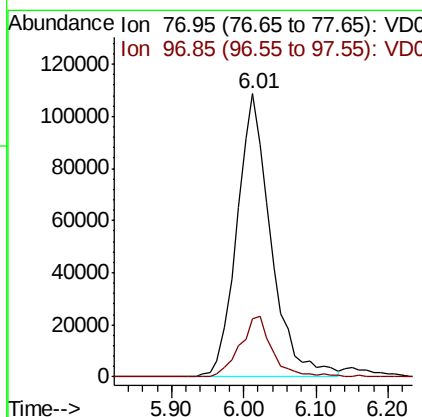
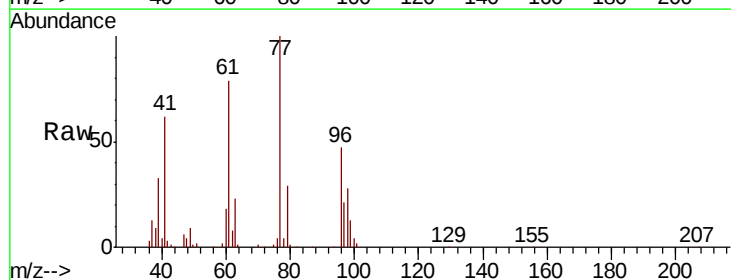
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 224509
Ion Ratio Lower Upper
43 100
72 18.0 16.3 24.5



#26
2,2-Dichloropropane
Concen: 19.420 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 77 Resp: 355827
Ion Ratio Lower Upper
77 100
97 20.5 10.2 30.6



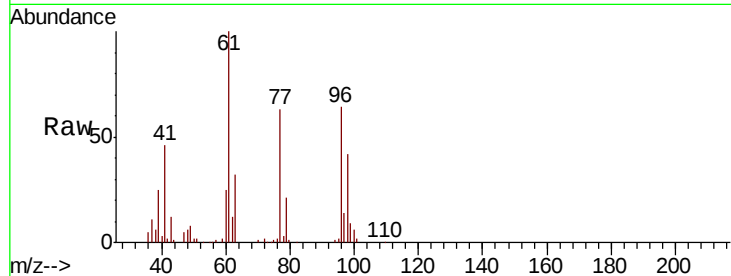


#27

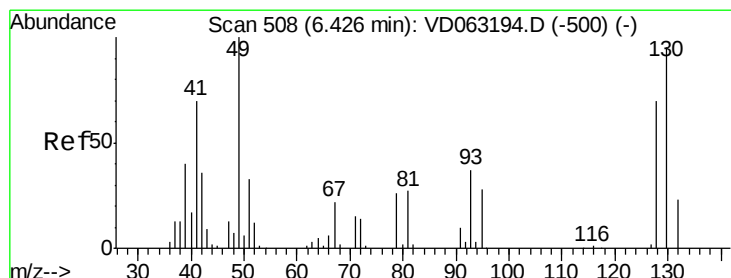
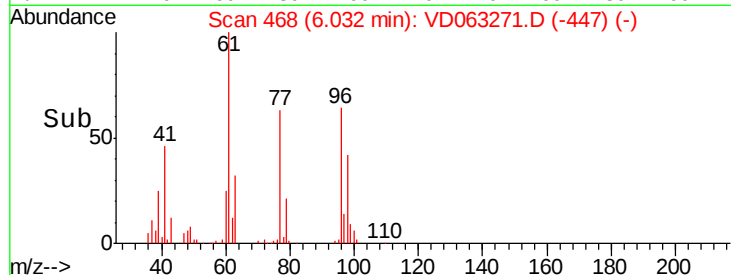
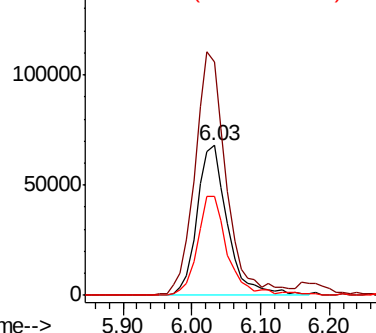
cis-1,2-Dichloroethene
 Concen: 19.818 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	208502
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	337.2
98	65.8	0.0	130.6



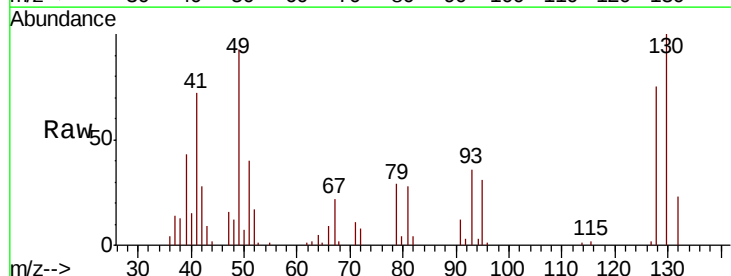
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



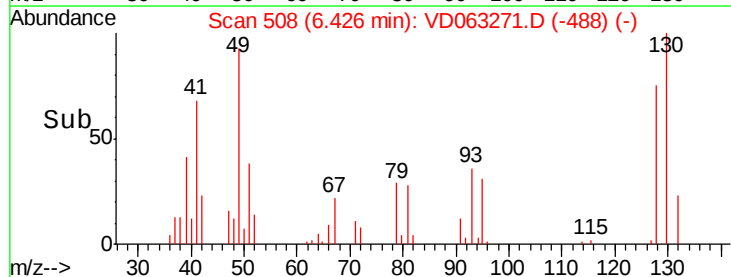
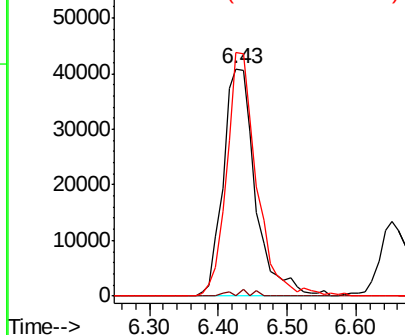
#28

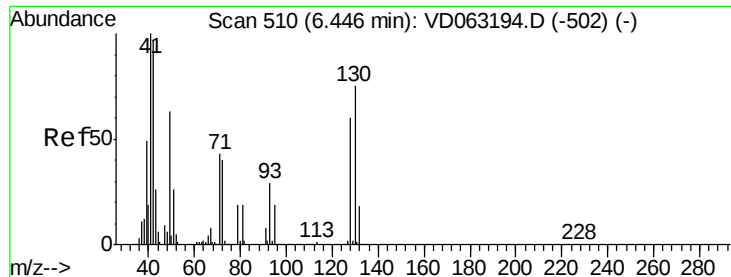
Bromochloromethane
 Concen: 18.738 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion	49	Resp	132735
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	107.1	75.7	113.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.982 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

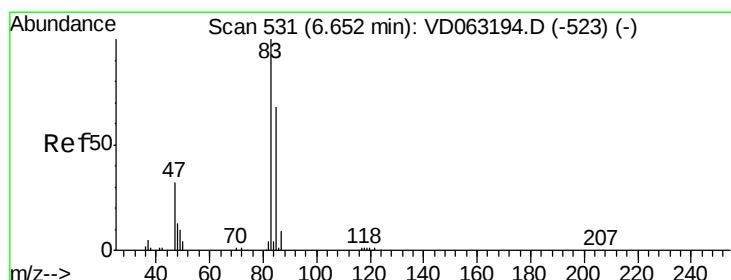
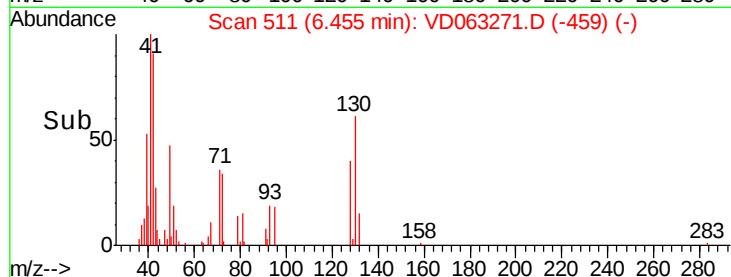
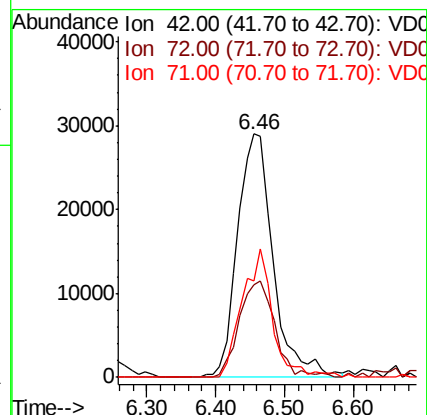
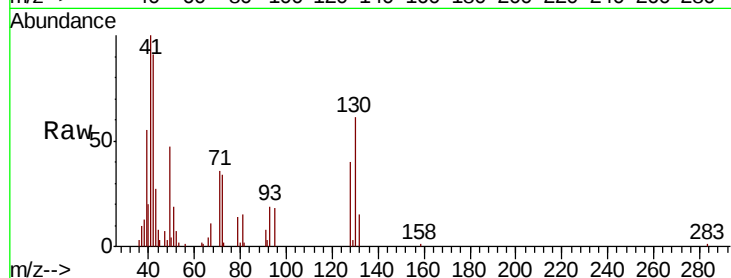
Tot Ion: 42 Resp: 104221

Ion Ratio Lower Upper

42 100

72 39.5 33.4 50.2

71 44.2 35.7 53.5



#30

Chloroform

Concen: 19.129 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063271.D

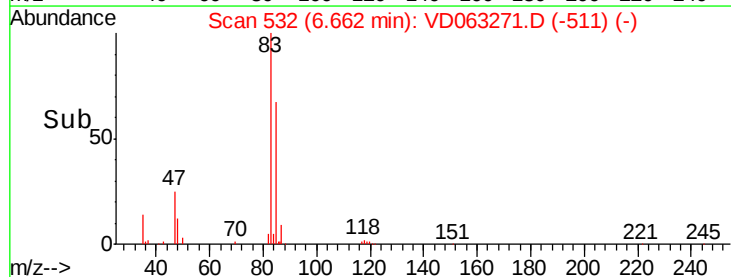
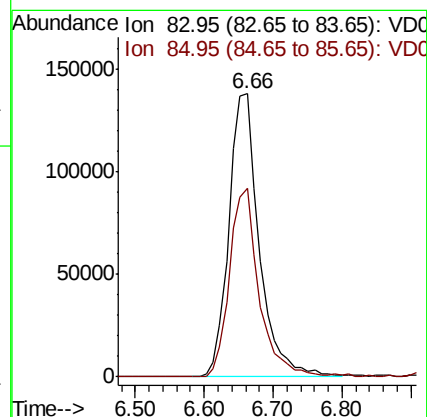
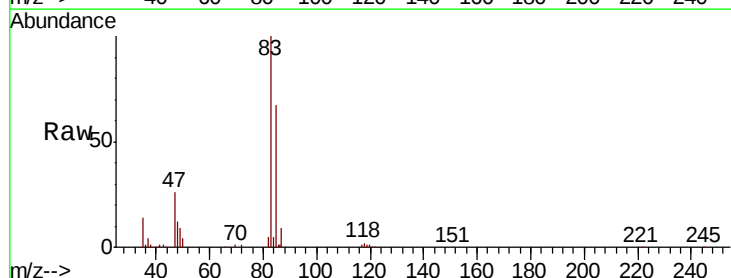
Acq: 31 Jul 2019 11:43

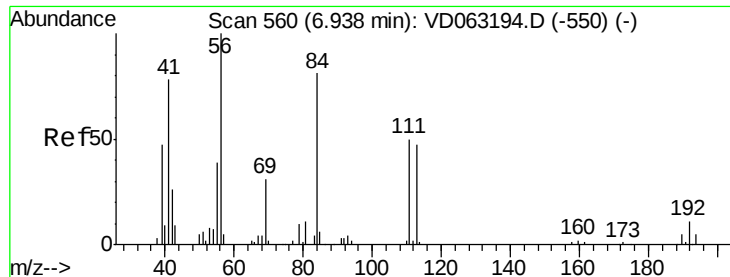
Tgt Ion: 83 Resp: 422072

Ion Ratio Lower Upper

83 100

85 66.9 54.2 81.4

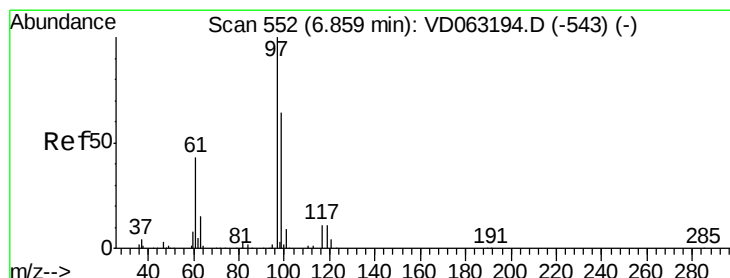
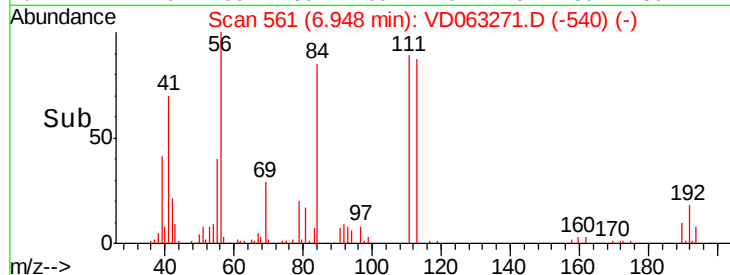
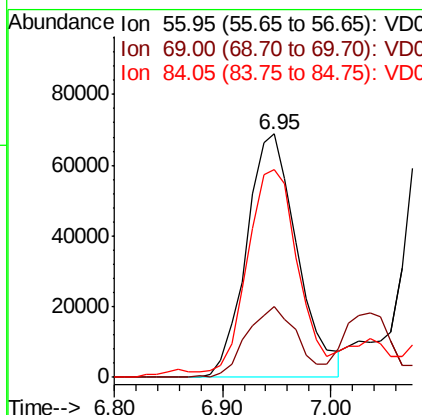
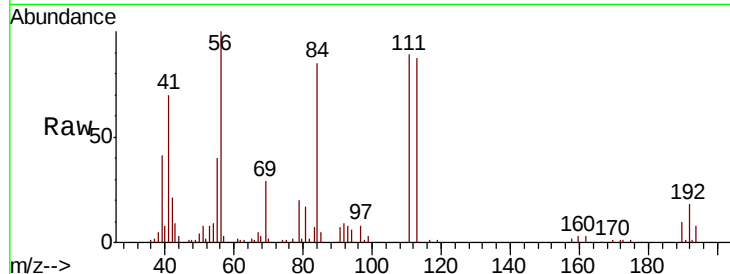




#31
Cyclohexane
Concen: 20.127 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

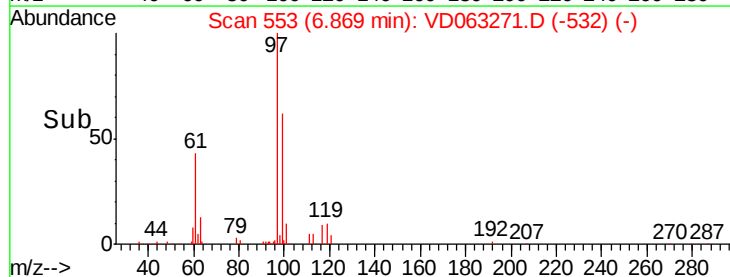
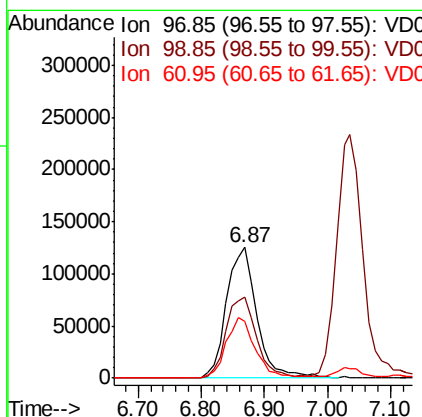
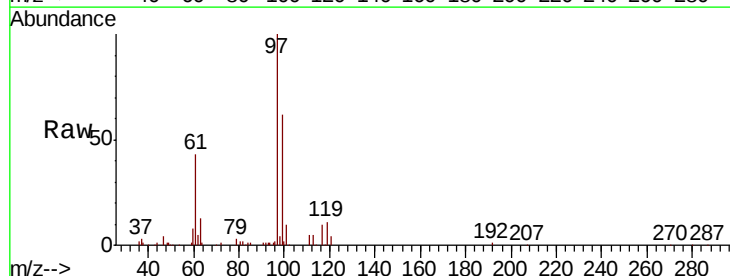
Instrument :
MSVOA_D
ClientSampleId :

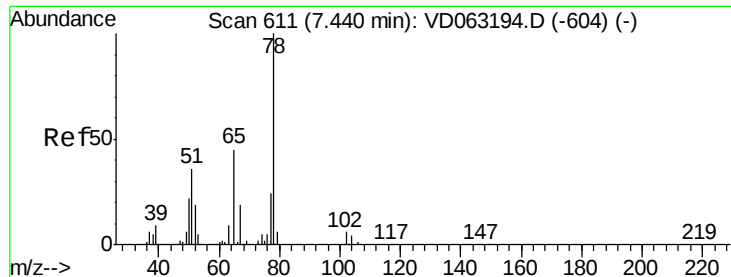
Tot Ion: 56 Resp: 224302
Ion Ratio Lower Upper
56 100
69 29.1 24.5 36.7
84 85.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 19.486 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 97 Resp: 415887
Ion Ratio Lower Upper
97 100
99 62.0 51.2 76.8
61 43.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 52.050 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

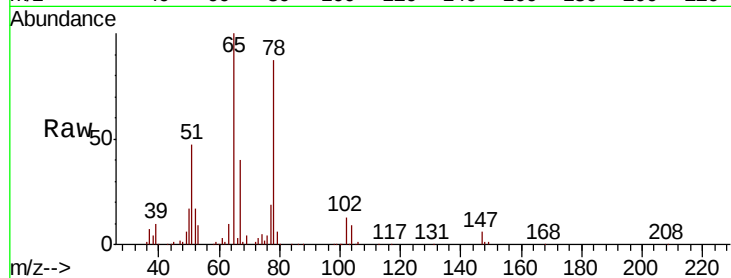
ClientSampleId :

Tot Ion: 65 Resp: 651204

Ion Ratio Lower Upper

65 100

67 39.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

150000

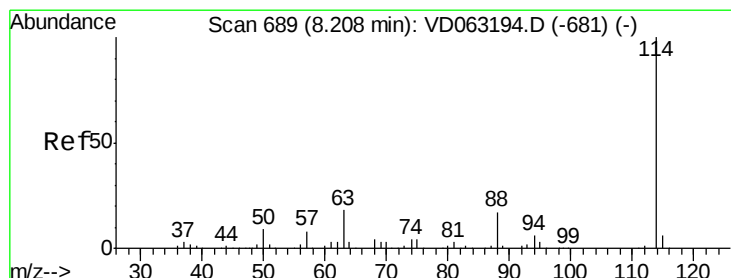
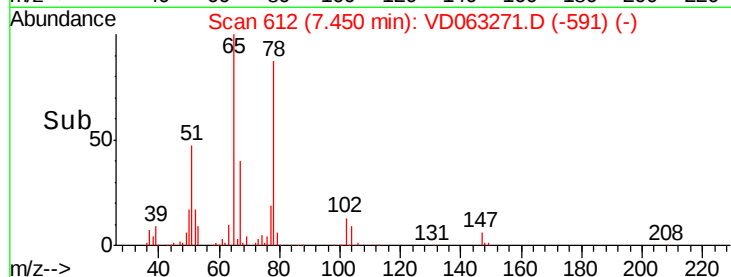
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

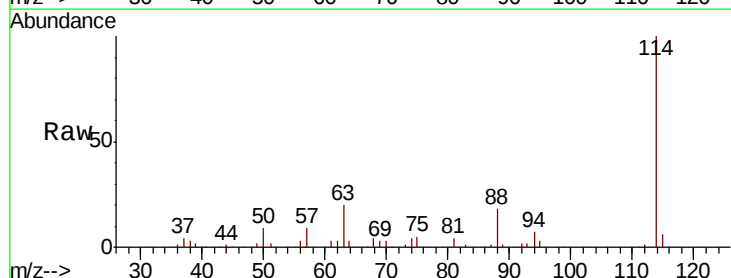
Tgt Ion: 114 Resp: 1492227

Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.2

88 18.2 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

600000

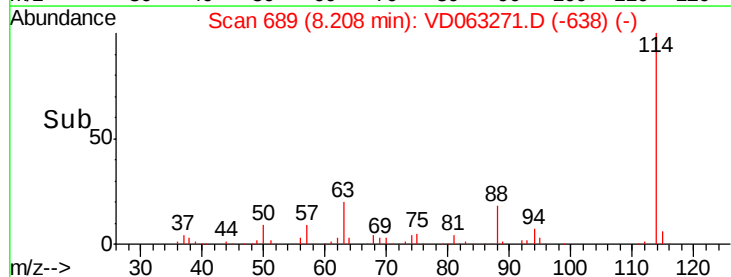
400000

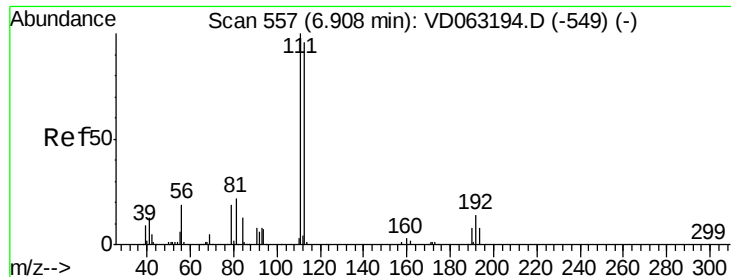
200000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 57.034 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

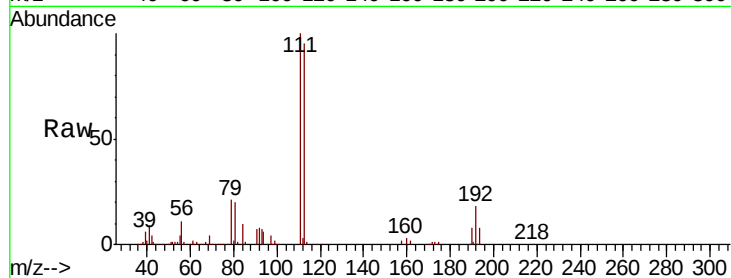
Tot Ion:113 Resp: 726642

Ion Ratio Lower Upper

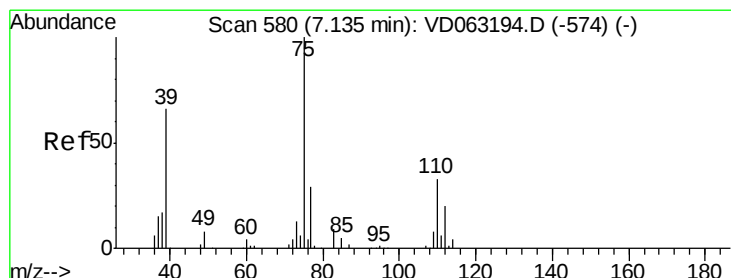
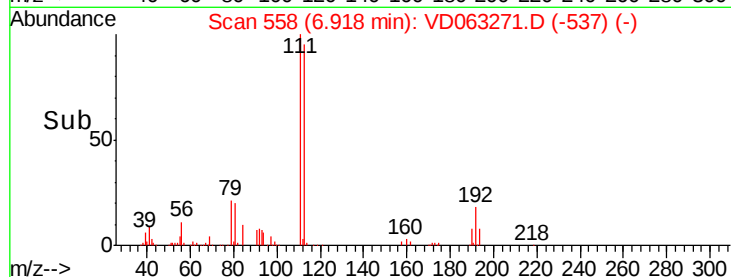
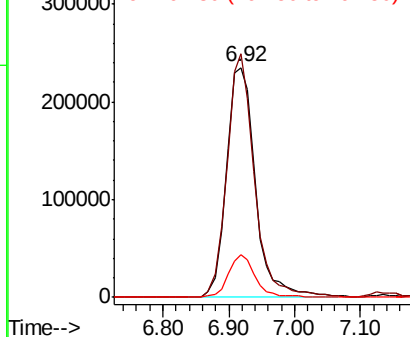
113 100

111 105.8 83.2 124.8

192 18.7 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.847 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

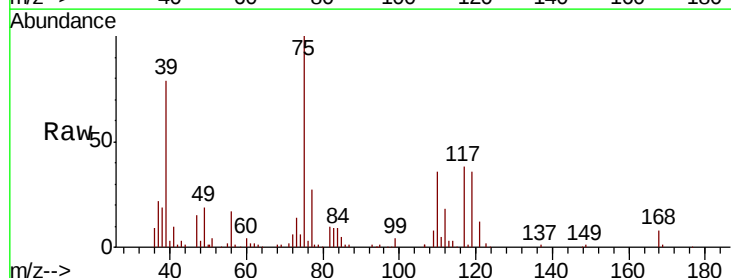
Tgt Ion: 75 Resp: 283906

Ion Ratio Lower Upper

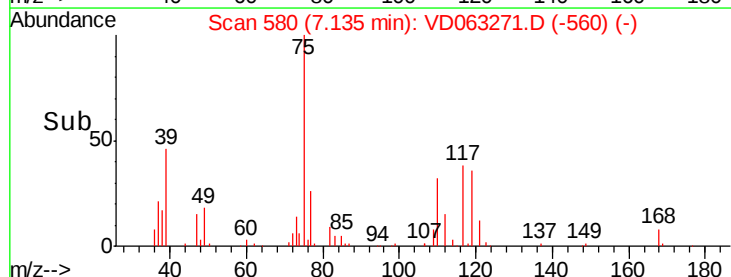
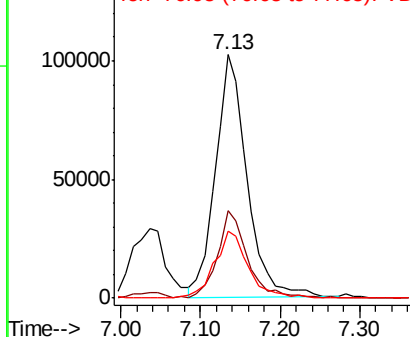
75 100

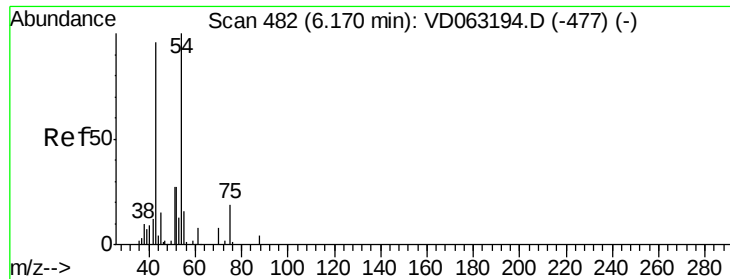
110 35.8 16.1 48.2

77 27.4 22.7 34.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

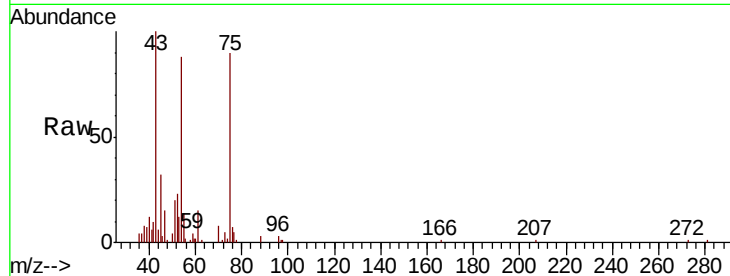




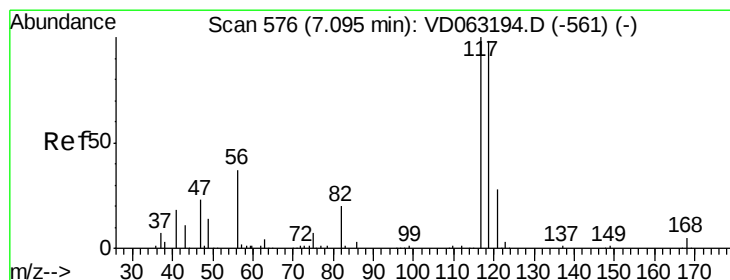
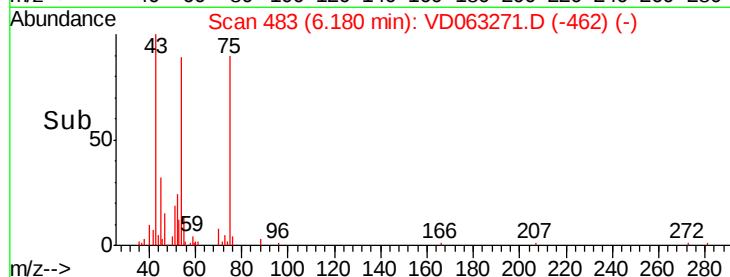
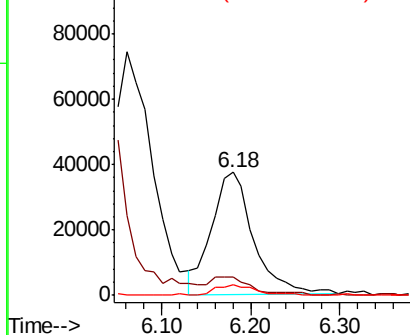
#37
Ethyl Acetate
Concen: 19.805 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 121171
Ion Ratio Lower Upper
43 100
61 14.6 11.3 16.9
70 8.2 5.1 7.7#

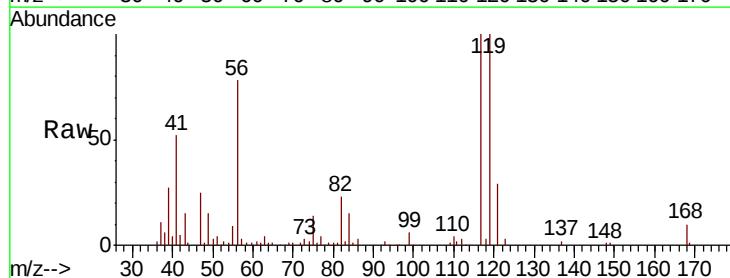


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

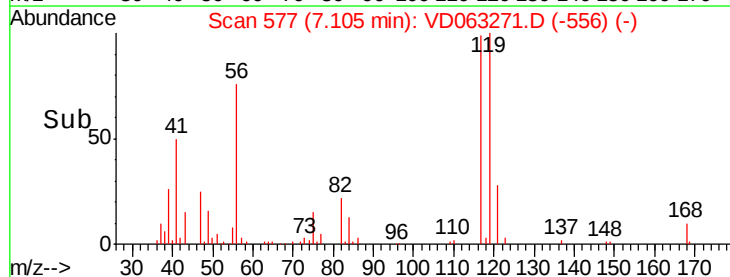
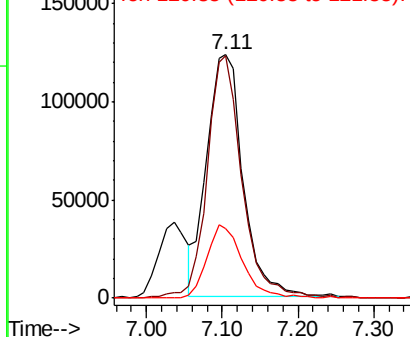


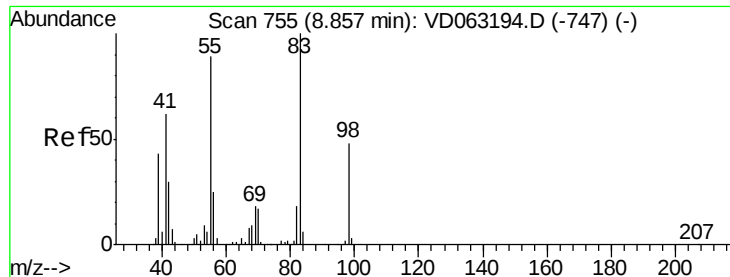
#38
Carbon Tetrachloride
Concen: 20.040 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 117 Resp: 410863
Ion Ratio Lower Upper
117 100
119 99.8 78.2 117.2
121 28.7 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

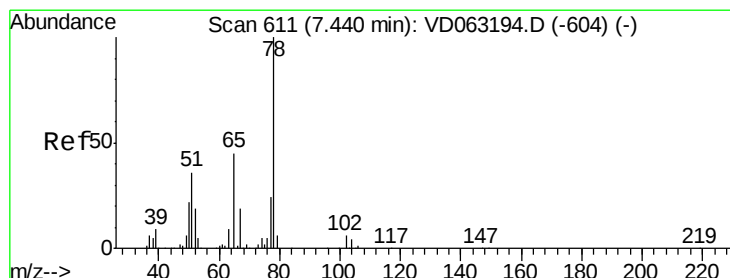
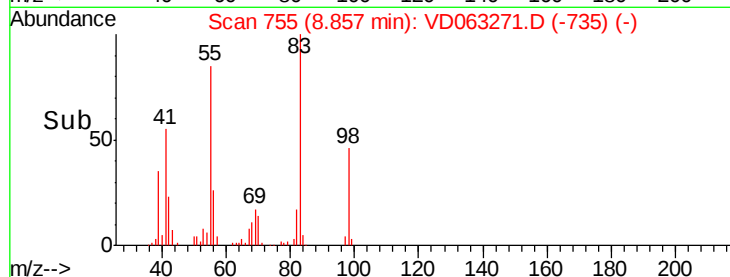
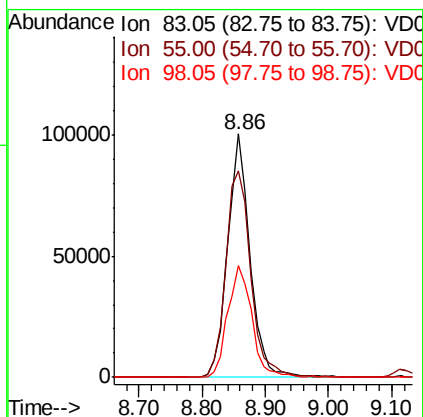
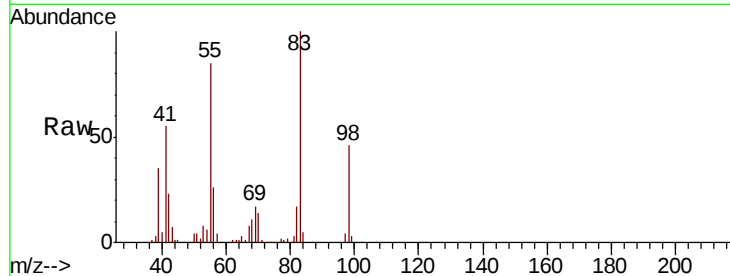




#39
Methvlcvclohexane
Concen: 21.601 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

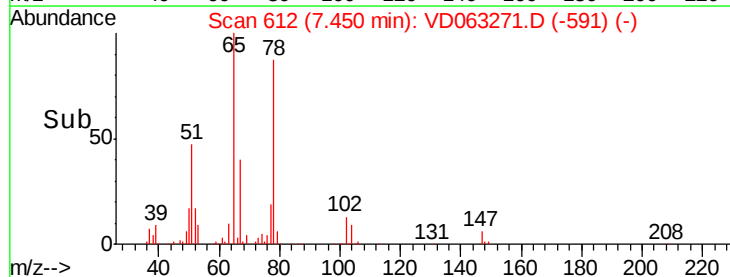
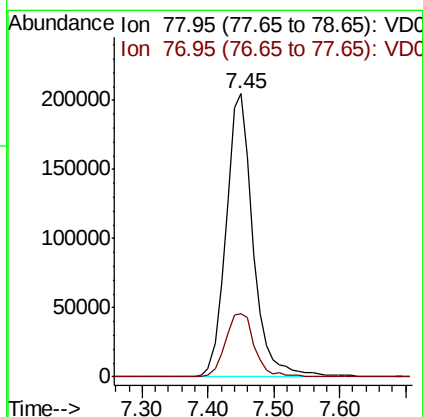
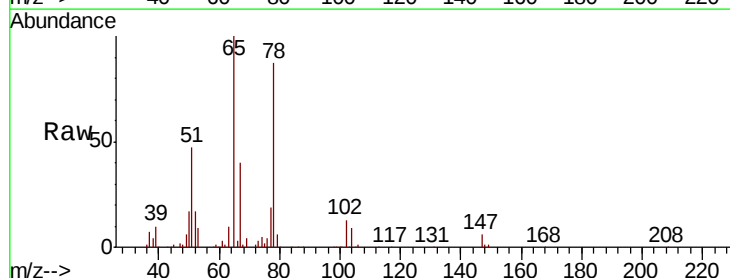
Instrument :
MSVOA_D
ClientSampled :

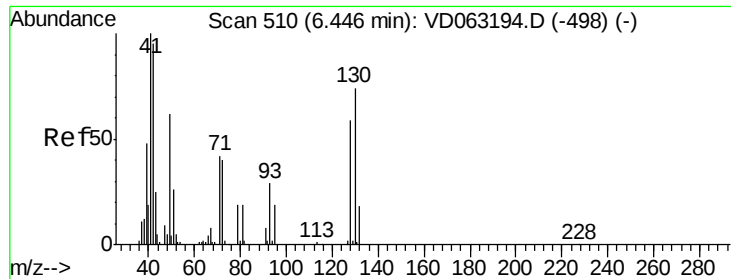
Tot Ion: 83 Resp: 245090
Ion Ratio Lower Upper
83 100
55 84.6 71.1 106.7
98 45.8 38.5 57.7



#40
Benzene
Concen: 20.563 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 78 Resp: 586903
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.2

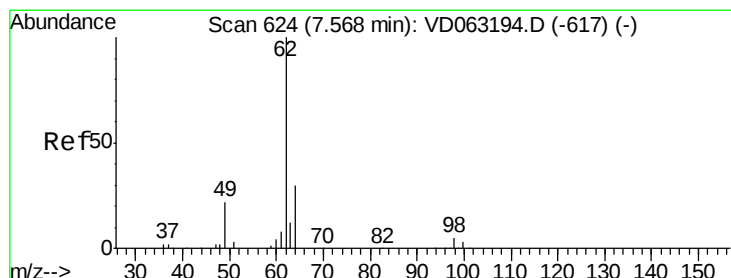
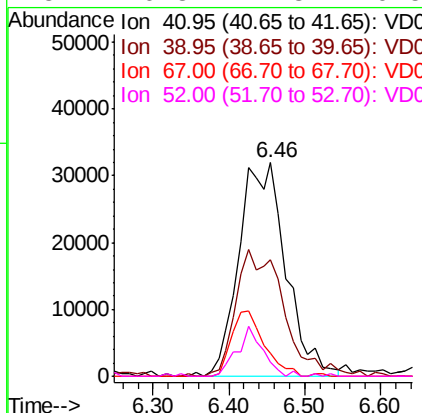
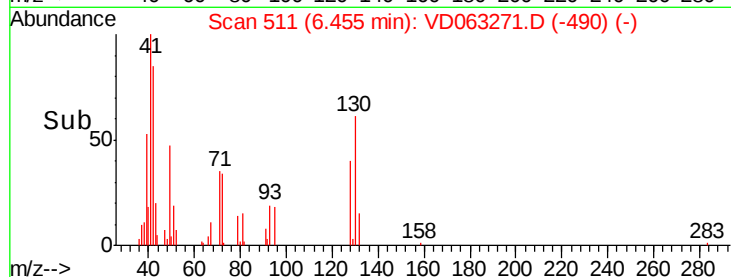
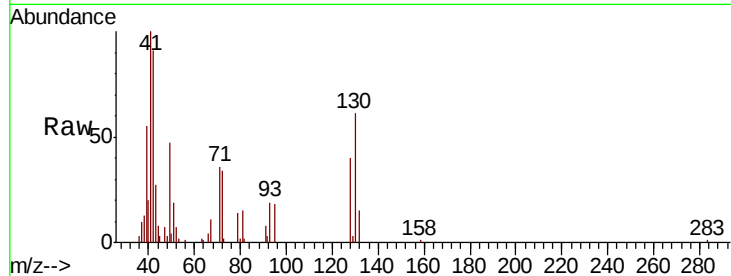




#41
Methacrylonitrile
Concen: 18.774 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

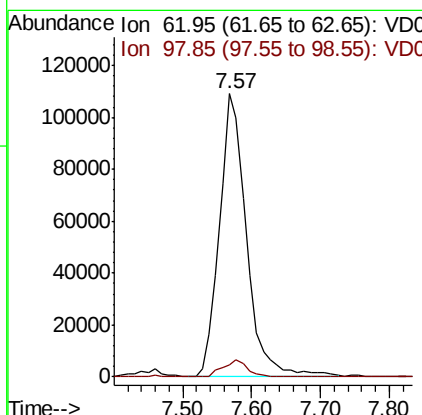
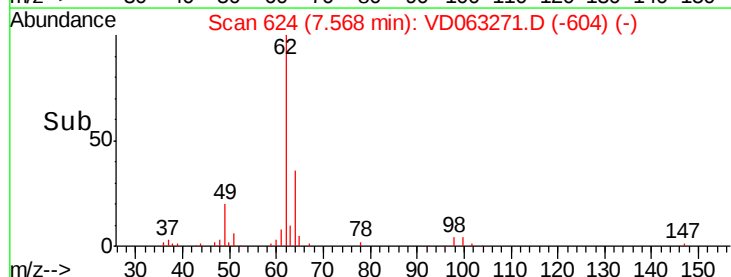
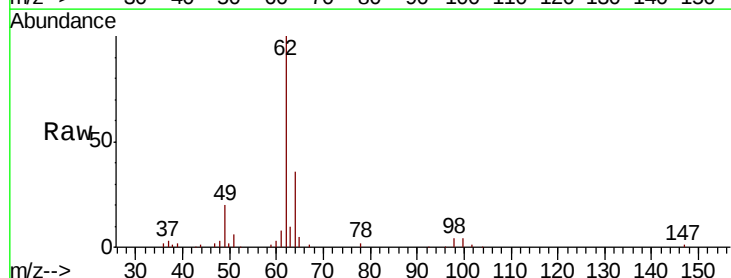
Instrument :
MSVOA_D
ClientSampleId :

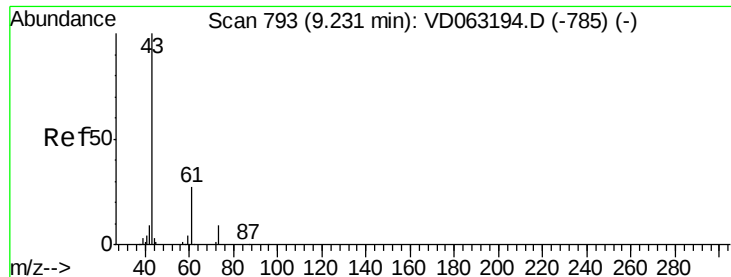
Tot Ion: 41 Resp: 137399
Ion Ratio Lower Upper
41 100
39 54.7 38.4 57.6
67 10.7 6.7 10.1#
52 6.8 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 19.636 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 62 Resp: 297031
Ion Ratio Lower Upper
62 100
98 4.3 0.0 9.8



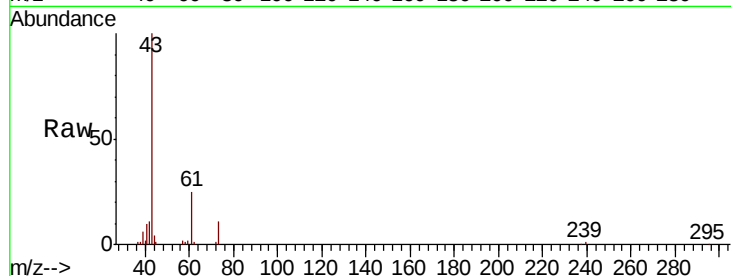


#43

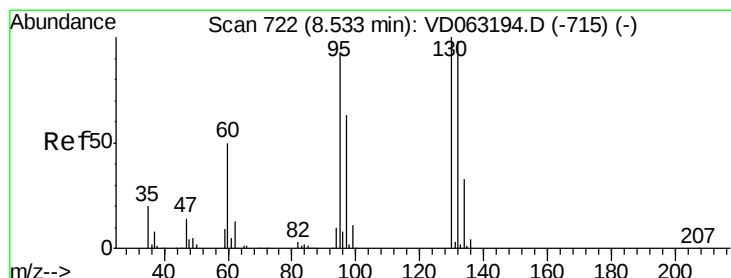
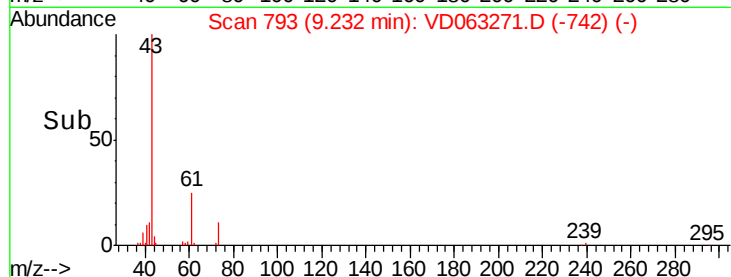
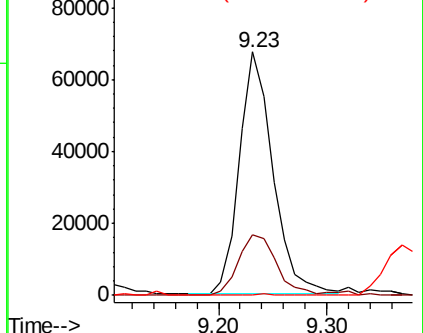
Isopropyl Acetate
 Concen: 18.664 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 145870
 Ion Ratio Lower Upper
 43 100
 61 25.1 21.4 32.0
 87 0.0 0.2 0.4#



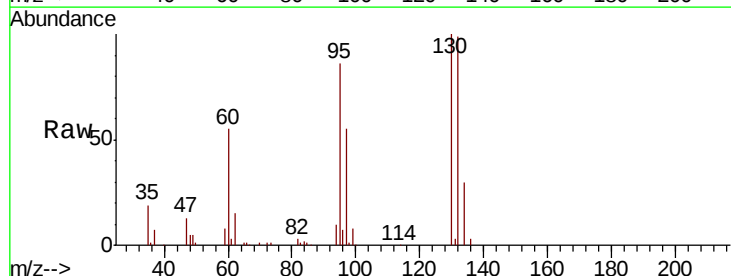
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



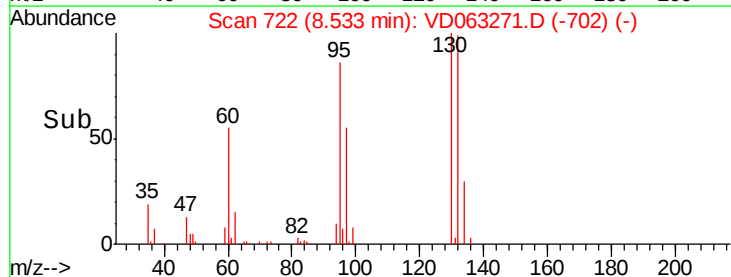
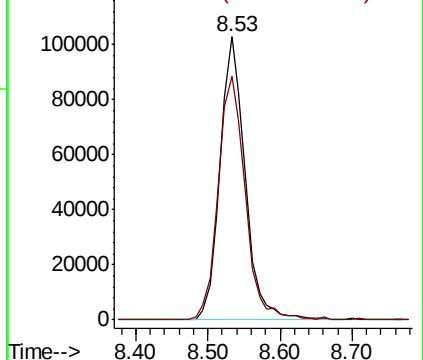
#44

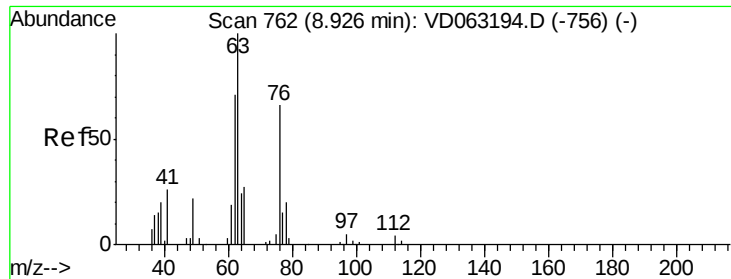
Trichloroethene
 Concen: 21.370 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion:130 Resp: 247154
 Ion Ratio Lower Upper
 130 100
 95 85.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.891 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

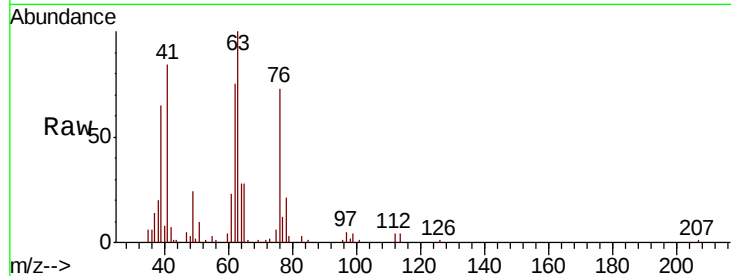
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 144298

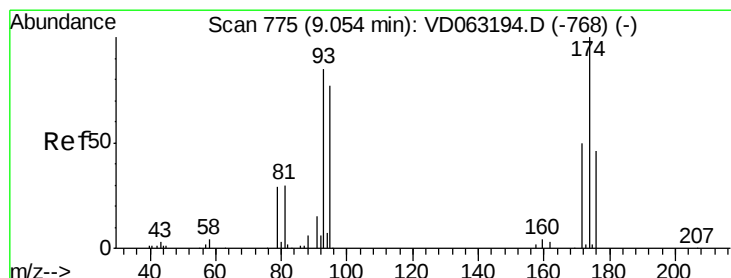
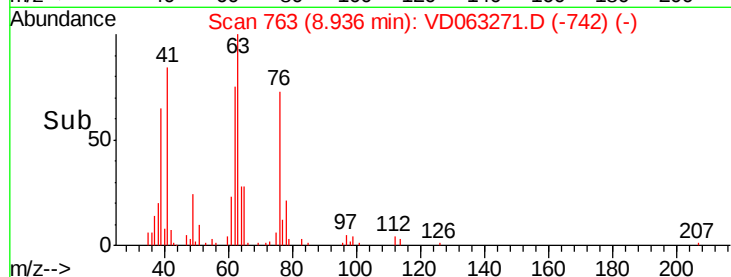
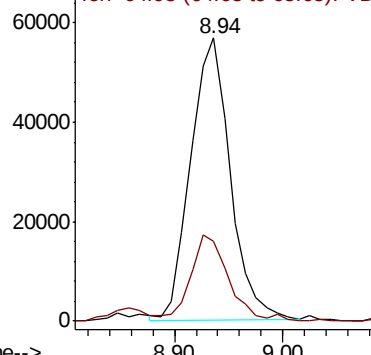
Ion Ratio Lower Upper

63 100

65 28.3 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.846 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

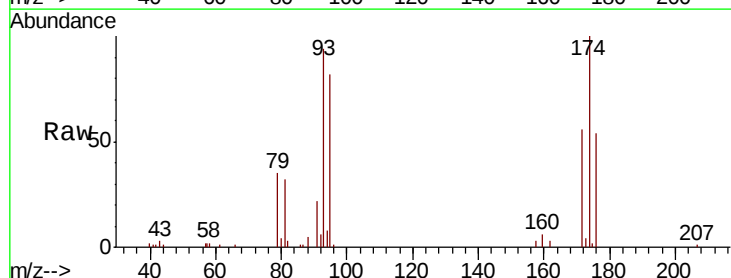
Tgt Ion: 93 Resp: 119710

Ion Ratio Lower Upper

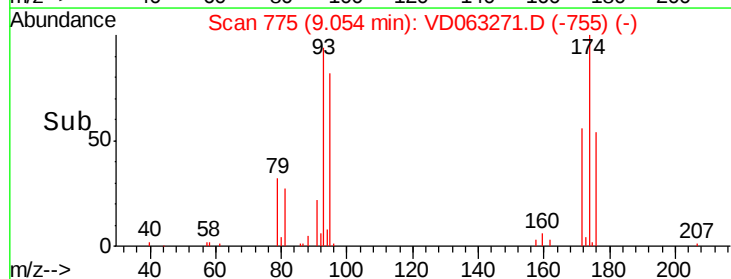
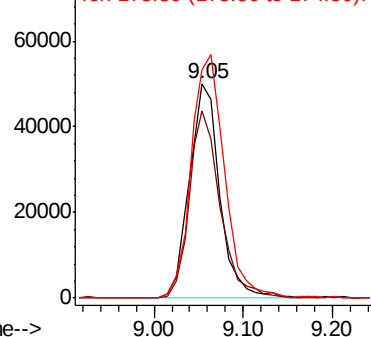
93 100

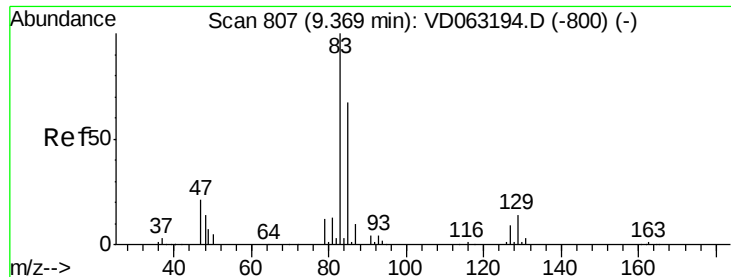
95 87.0 72.8 109.2

174 106.3 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.041 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

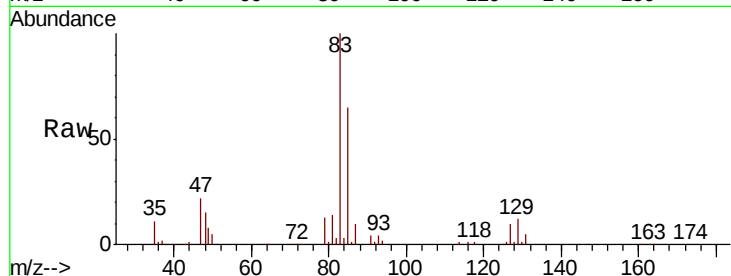
Tot Ion: 83 Resp: 323531

Ion Ratio Lower Upper

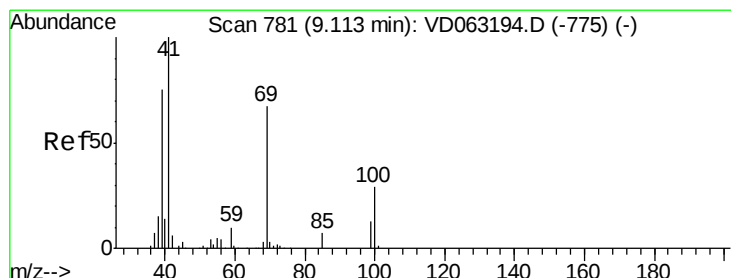
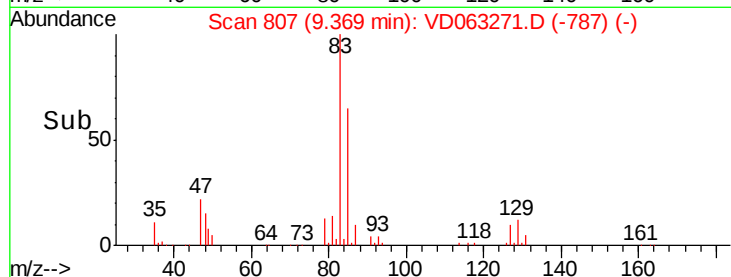
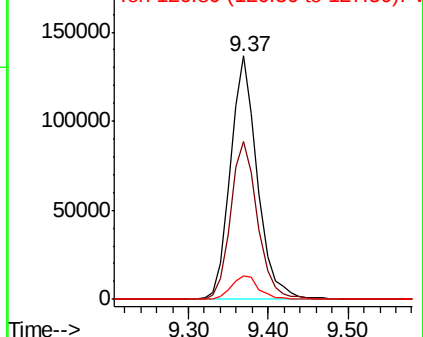
83 100

85 65.0 53.6 80.4

127 9.8 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.709 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

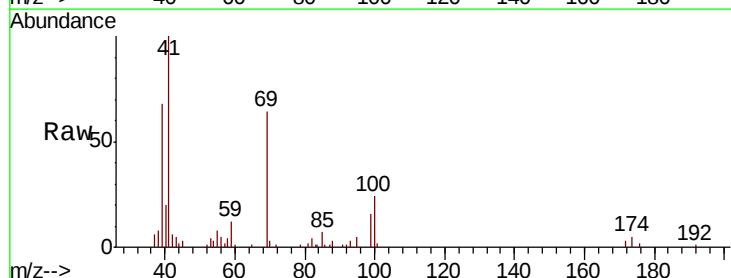
Tgt Ion: 41 Resp: 99898

Ion Ratio Lower Upper

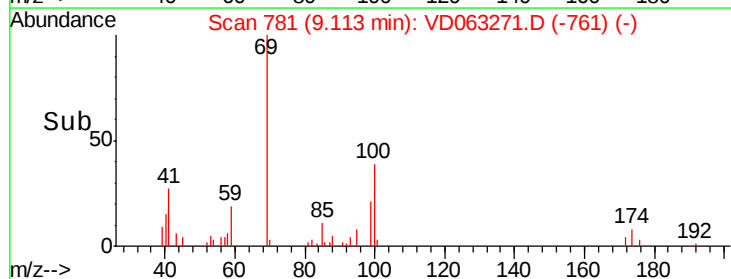
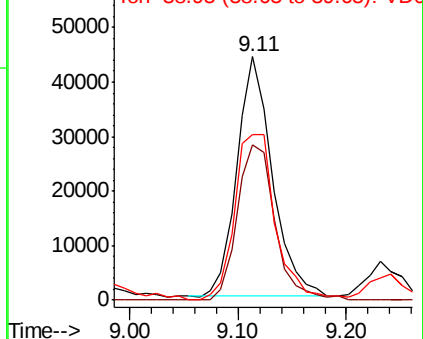
41 100

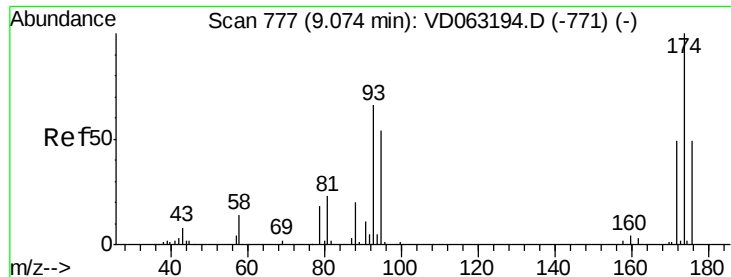
69 63.7 53.4 80.0

39 68.2 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

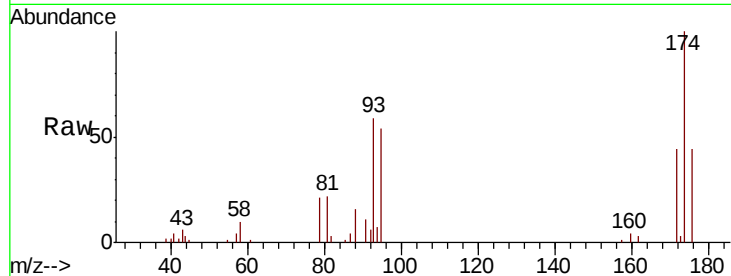




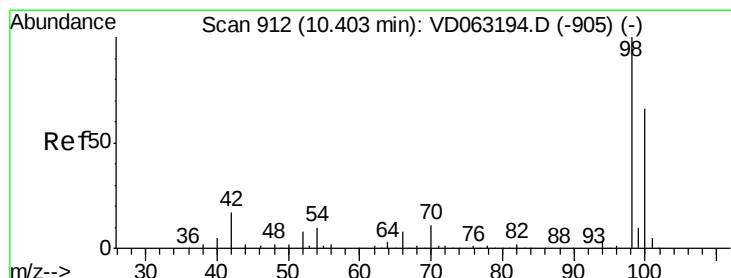
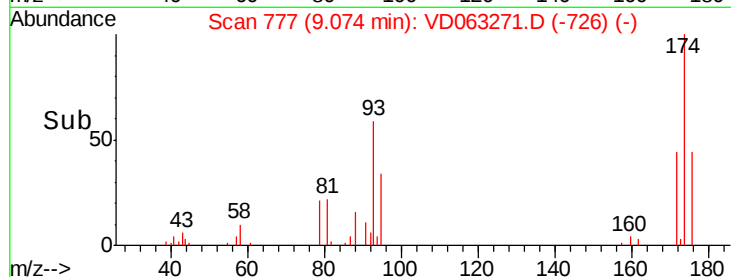
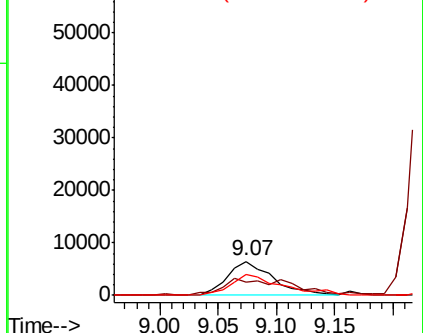
#49
1,4-Dioxane
Concen: 411.101 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 17756
Ion Ratio Lower Upper
88 100
43 36.8 30.7 46.1
58 59.6 56.5 84.7

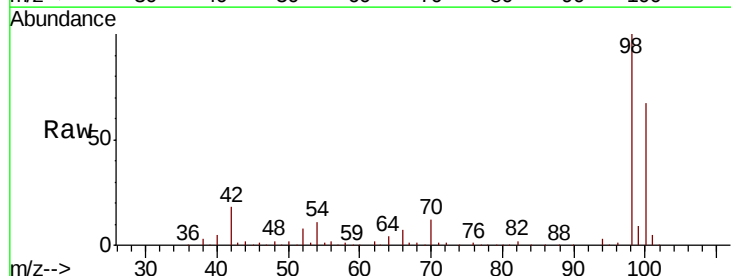


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

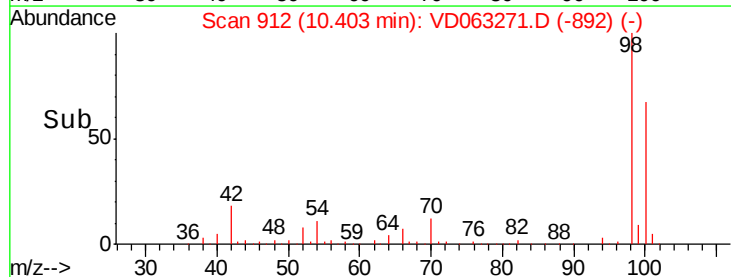
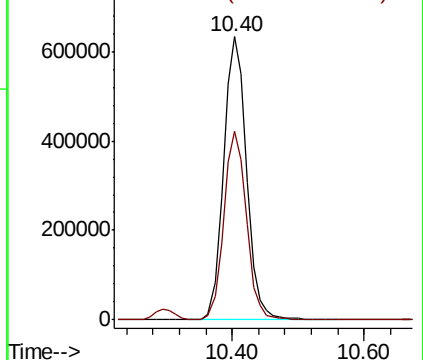


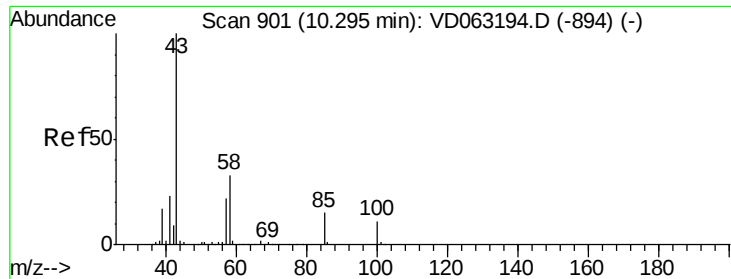
#50
Toluene-d8
Concen: 54.042 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 98 Resp: 1540909
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.563 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

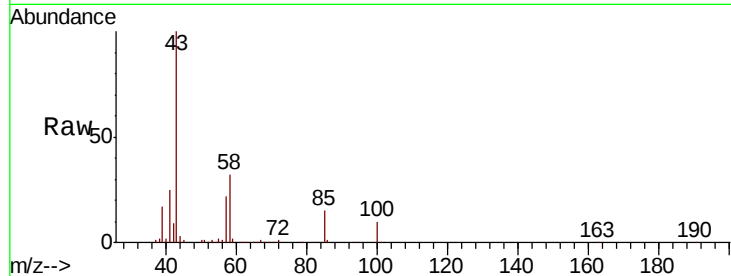
ClientSampled :

Tot Ion: 43 Resp: 523873

Ion Ratio Lower Upper

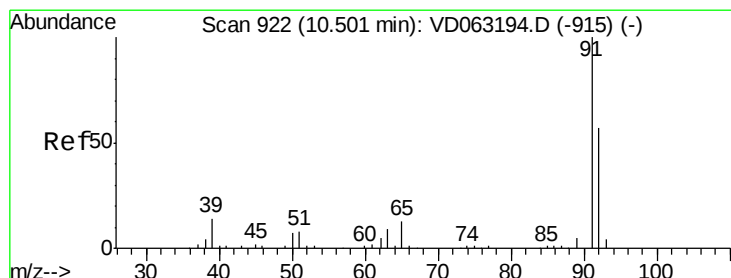
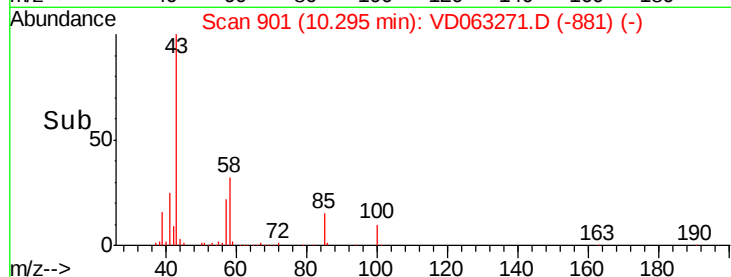
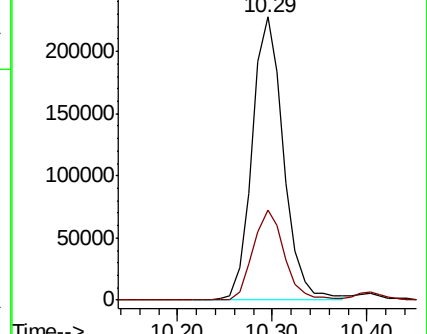
43 100

58 31.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.041 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063271.D

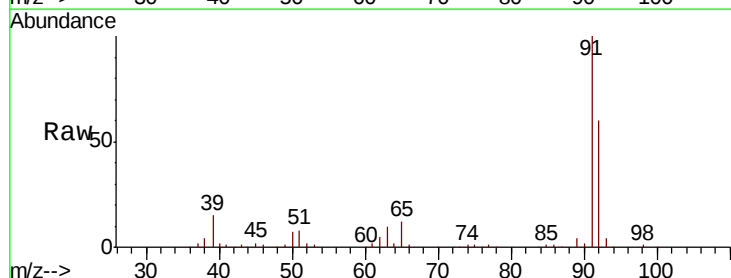
Acq: 31 Jul 2019 11:43

Tgt Ion: 92 Resp: 418412

Ion Ratio Lower Upper

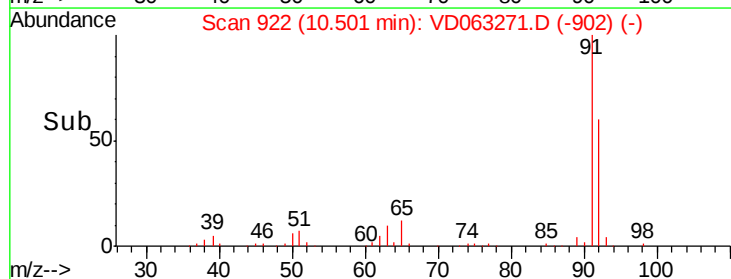
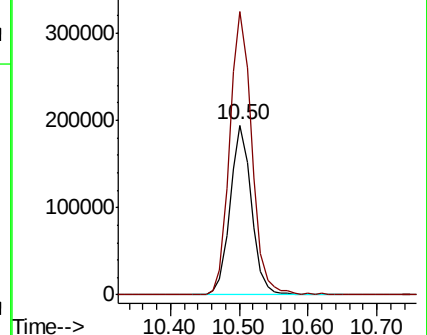
92 100

91 166.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

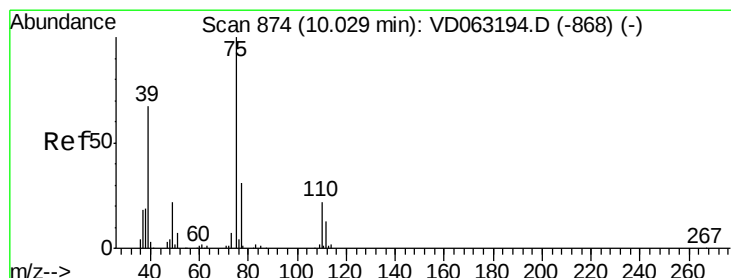
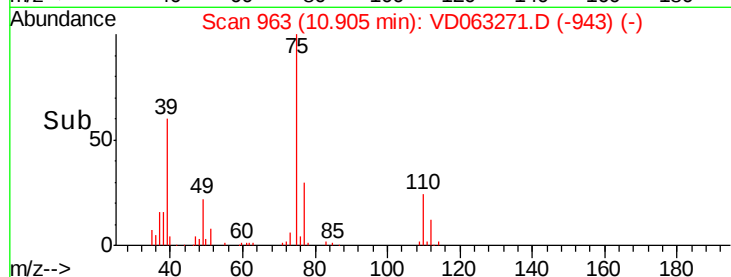
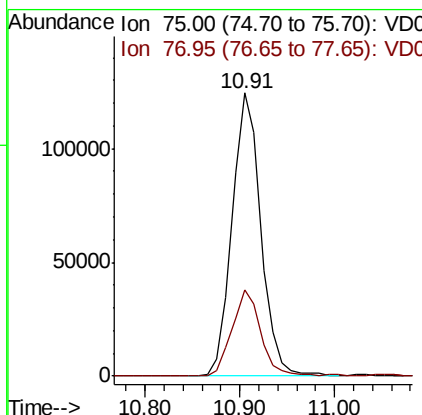
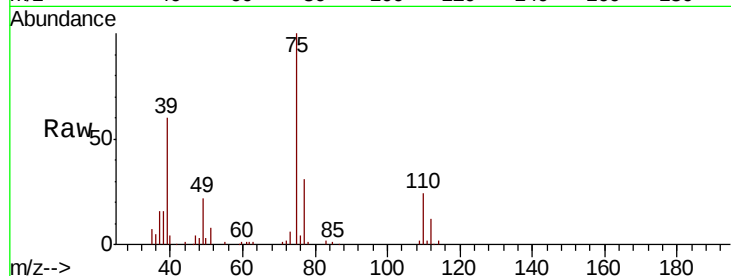




#53
 t-1,3-Dichloropropene
 Concen: 19.727 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

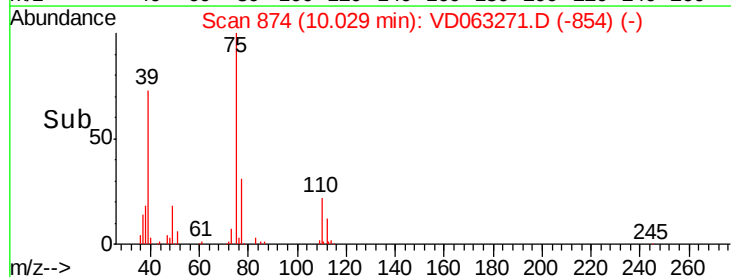
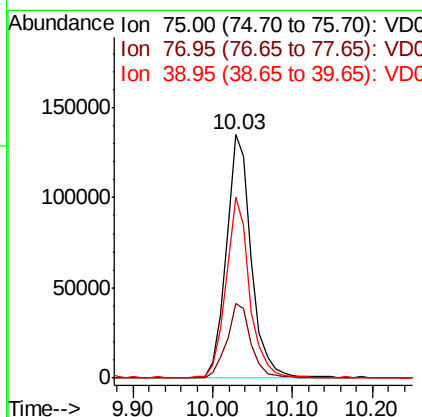
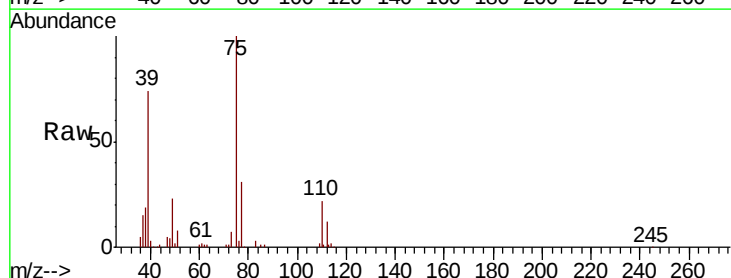
Instrument :
 MSVOA_D
 ClientSampleId :

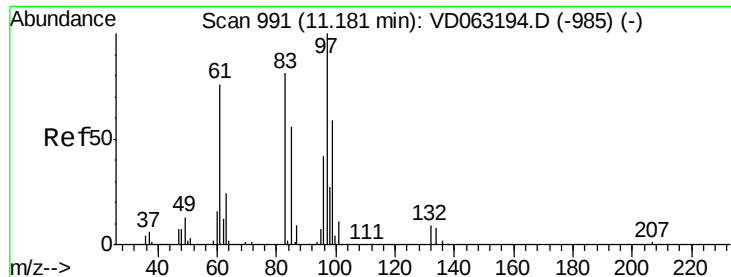
Tot Ion: 75 Resp: 261517
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.290 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 75 Resp: 296622
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.9 37.3
 39 74.2 53.9 80.9

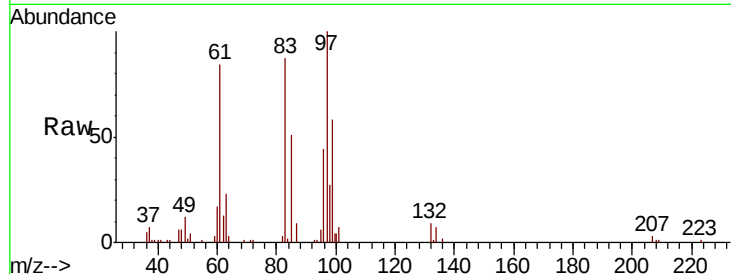




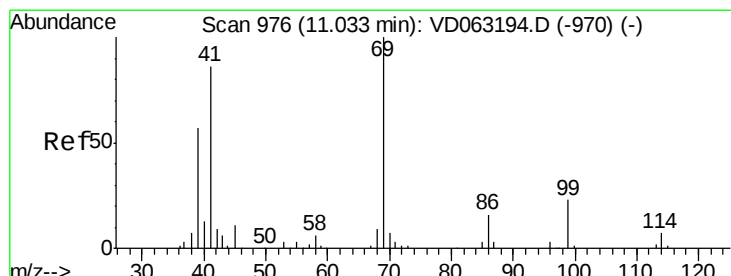
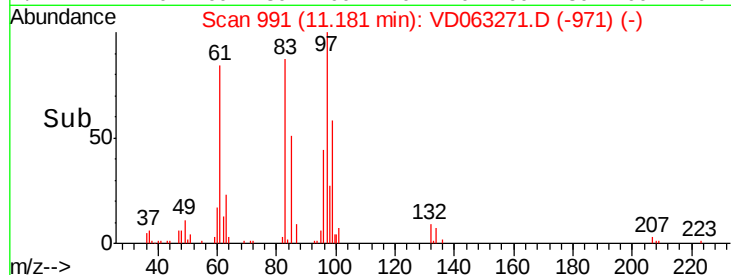
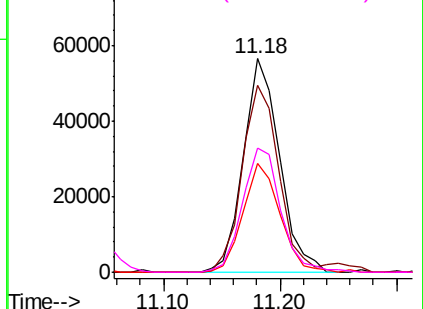
#55
 1,1,2-Trichloroethane
 Concen: 18.953 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	121513
Ion	Ratio	Lower	Upper
97	100		
83	87.4	64.8	97.2
85	50.8	44.9	67.3
99	58.3	47.2	70.8

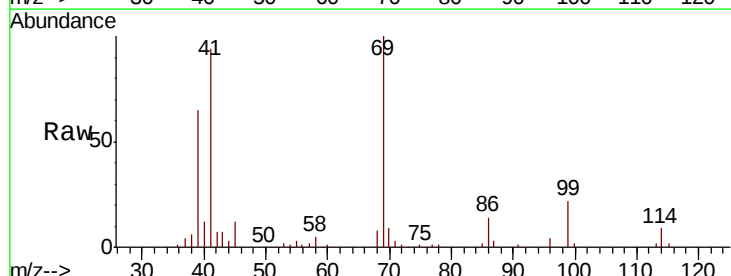


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

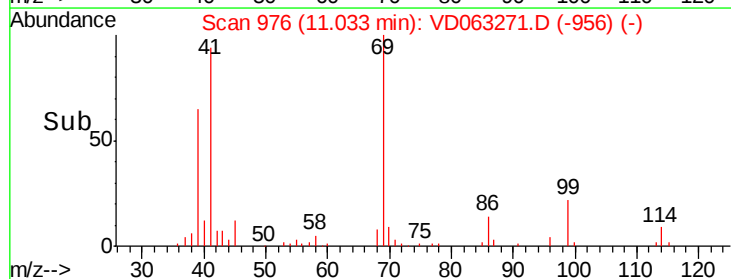
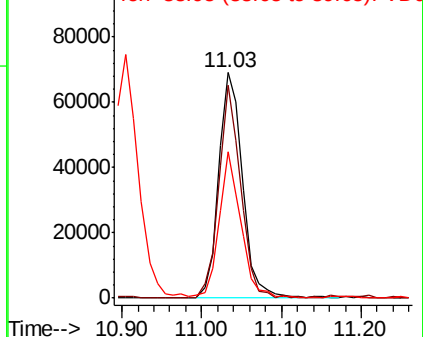


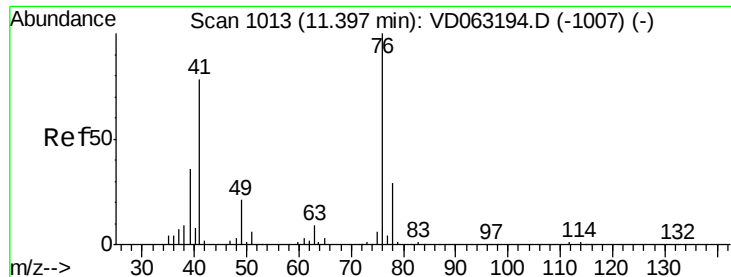
#56
 Ethyl methacrylate
 Concen: 20.802 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion:	69	Resp:	146041
Ion	Ratio	Lower	Upper
69	100		
41	94.3	68.8	103.2
39	64.9	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

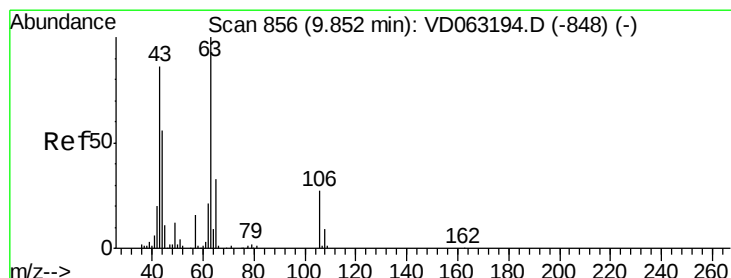
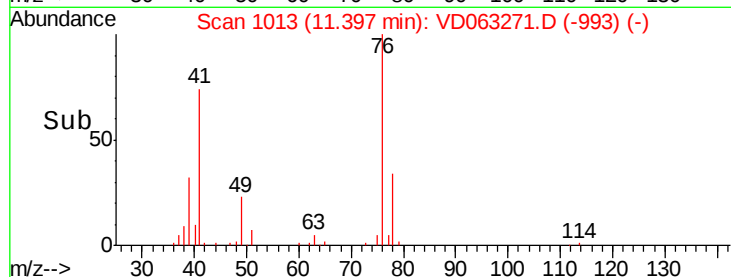
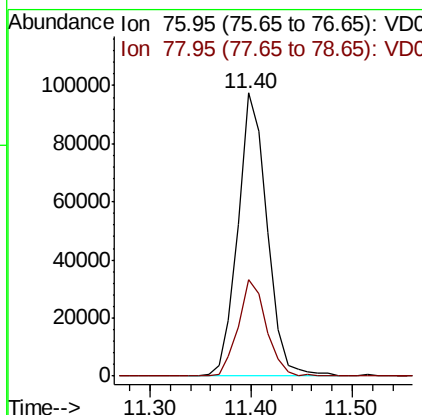
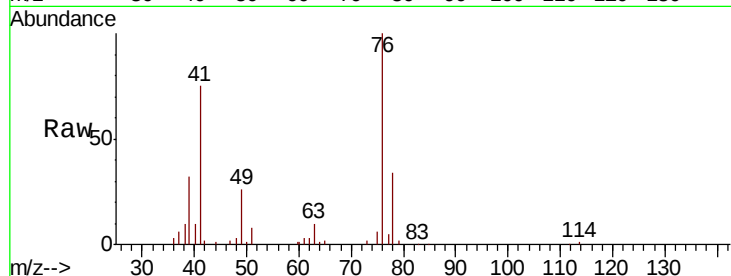




#57
 1,3-Dichloropropane
 Concen: 19.446 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

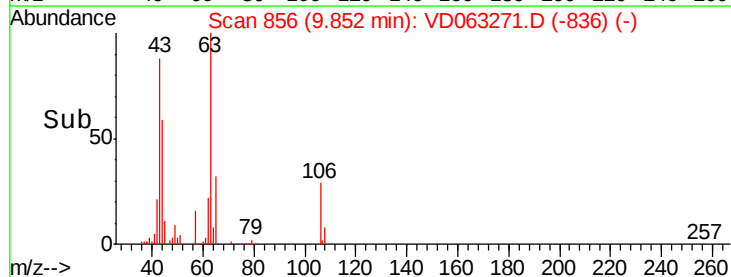
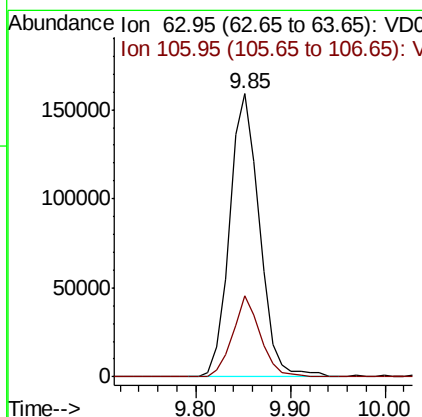
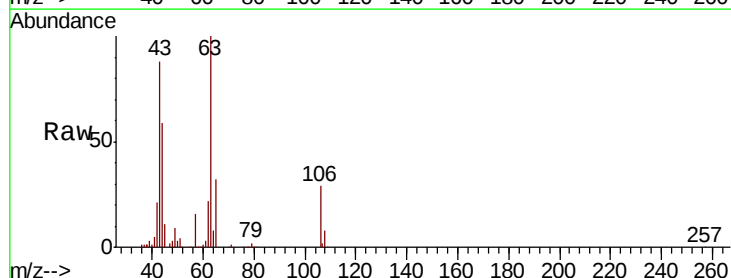
Instrument :
 MSVOA_D
 ClientSampleId :

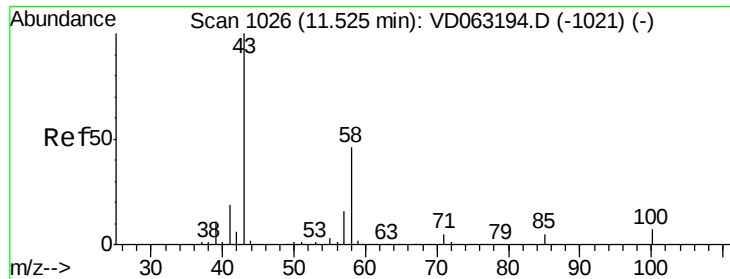
Tot Ion: 76 Resp: 196438
 Ion Ratio Lower Upper
 76 100
 78 34.0 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.636 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 63 Resp: 345709
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.0 33.0

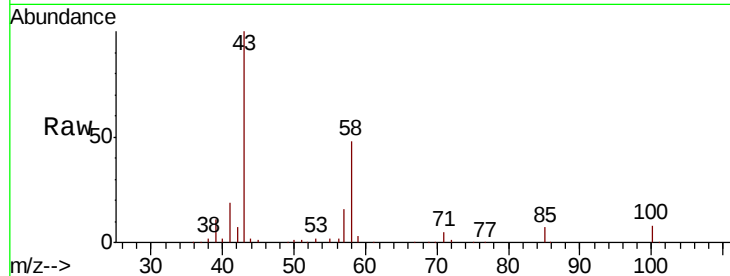




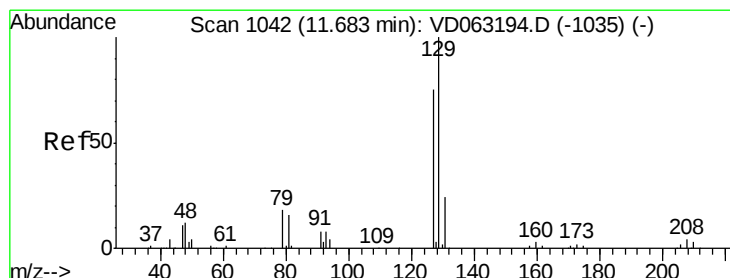
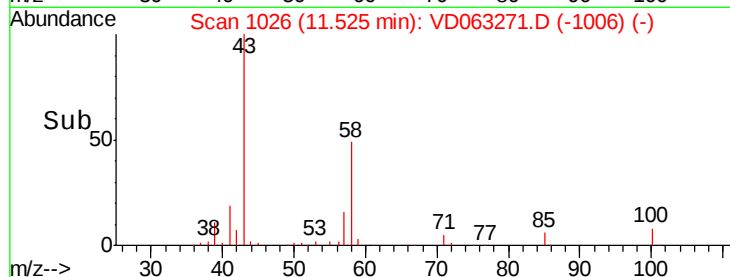
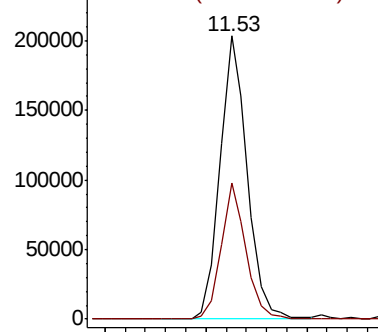
#59
2-Hexanone
Concen: 99.952 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 382844
Ion Ratio Lower Upper
43 100
58 48.1 22.9 68.5

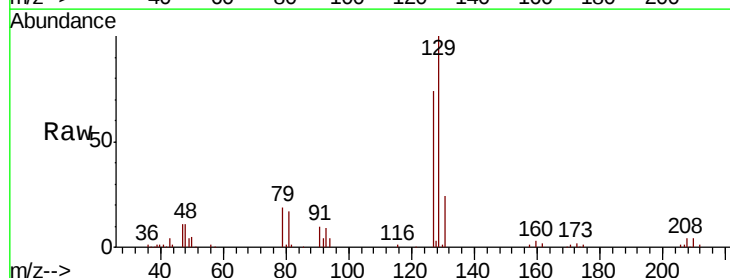


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

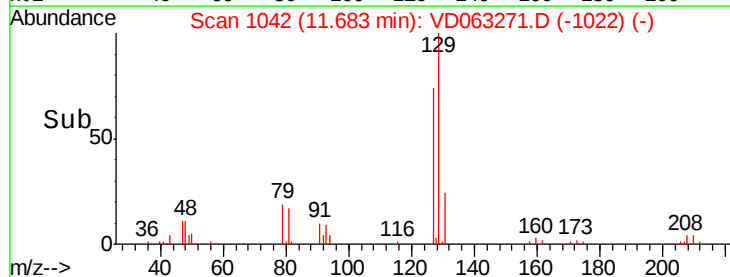
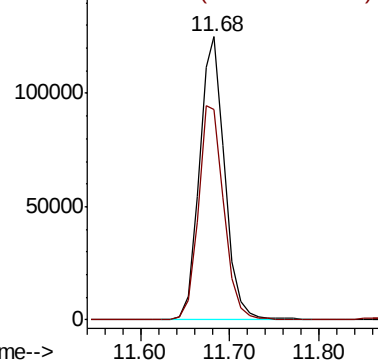


#60
Dibromochloromethane
Concen: 20.540 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:129 Resp: 248605
Ion Ratio Lower Upper
129 100
127 74.2 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

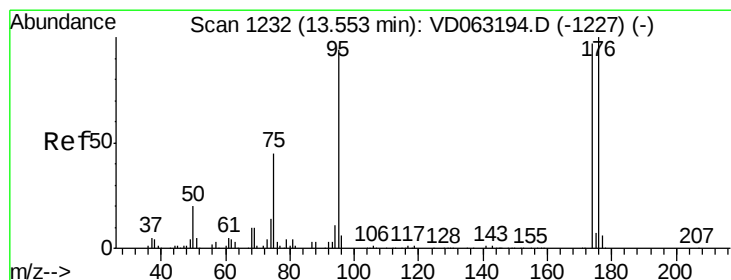
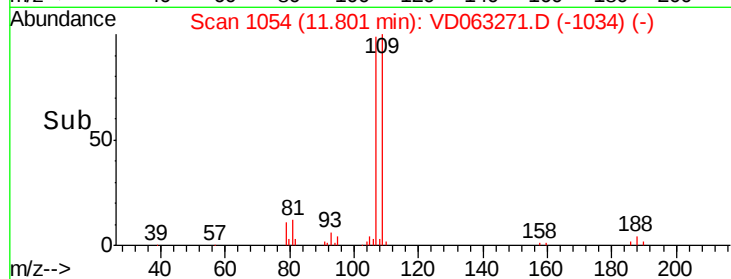
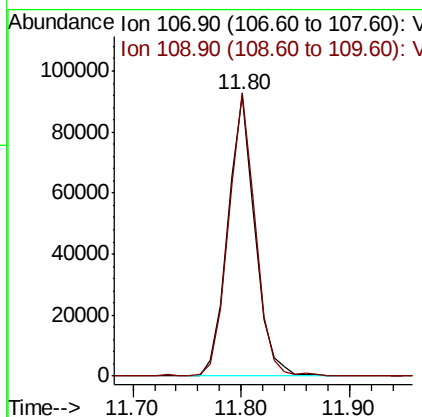
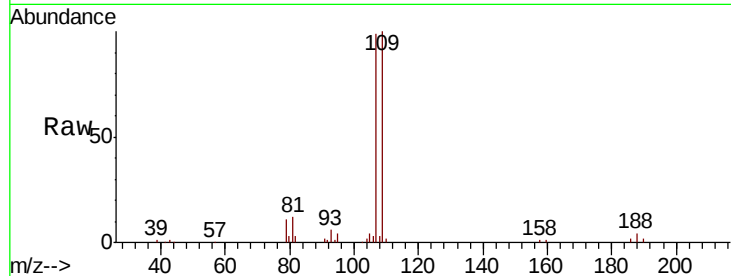




#61
 1,2-Dibromoethane
 Concen: 20.332 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

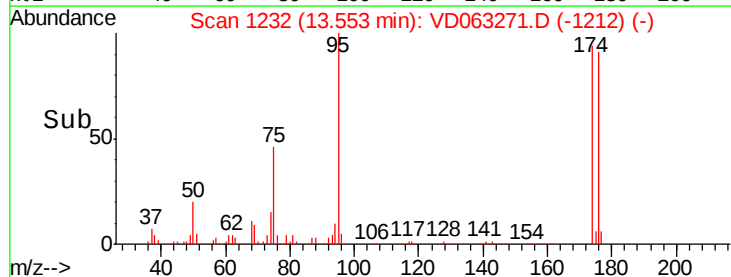
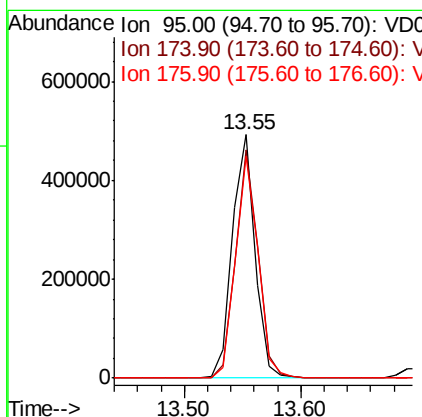
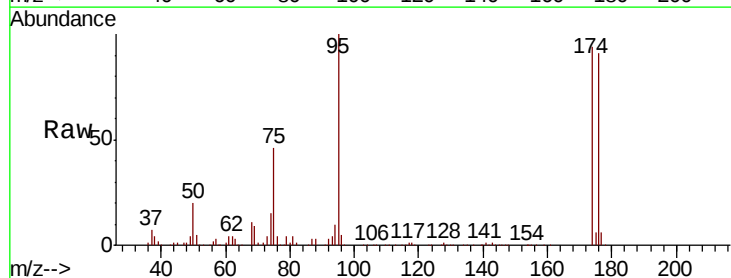
Instrument :
 MSVOA_D
 ClientSampleId :

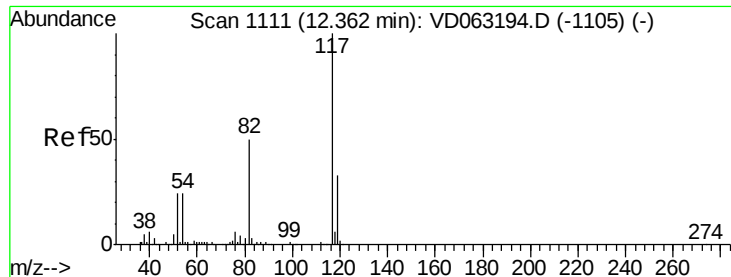
Tot Ion:107 Resp: 160845
 Ion Ratio Lower Upper
 107 100
 109 100.7 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.112 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 95 Resp: 664115
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 205.4
 176 91.4 0.0 211.8

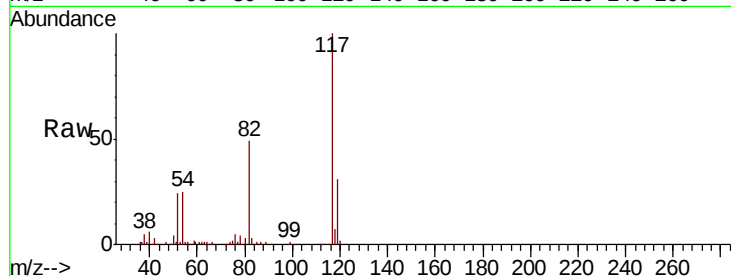




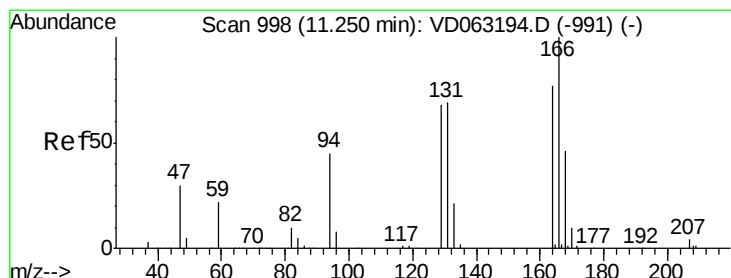
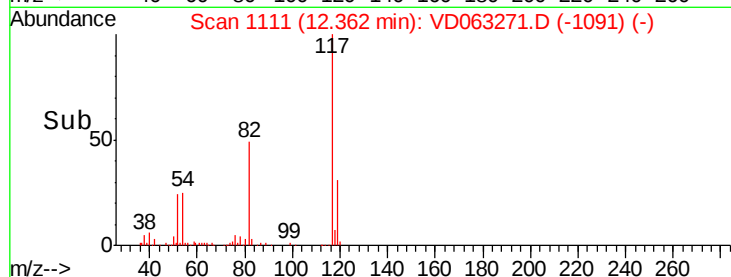
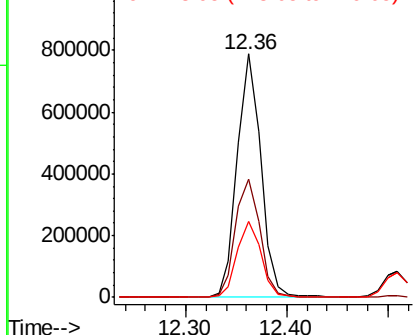
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1293705
Ion Ratio Lower Upper
117 100
82 48.8 40.1 60.1
119 31.2 26.5 39.7

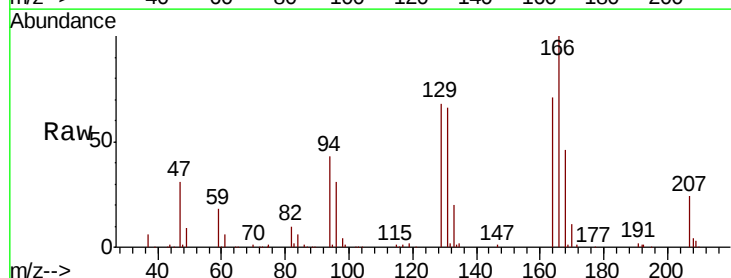


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

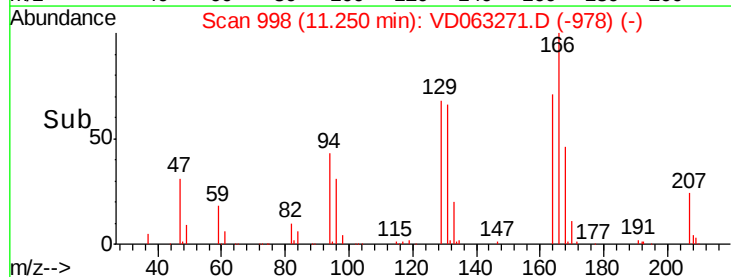
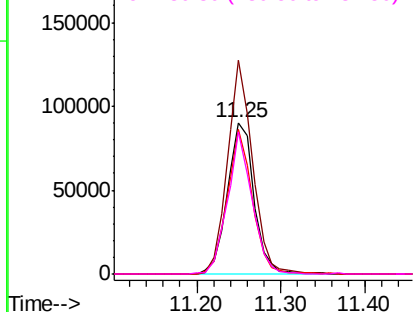


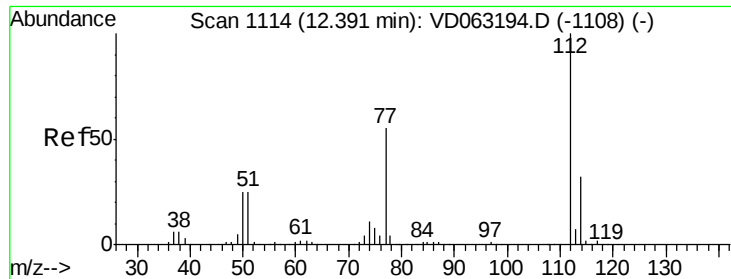
#64
Tetrachloroethene
Concen: 19.146 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:164 Resp: 197329
Ion Ratio Lower Upper
164 100
166 141.2 104.3 156.5
129 95.5 70.9 106.3
131 93.5 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

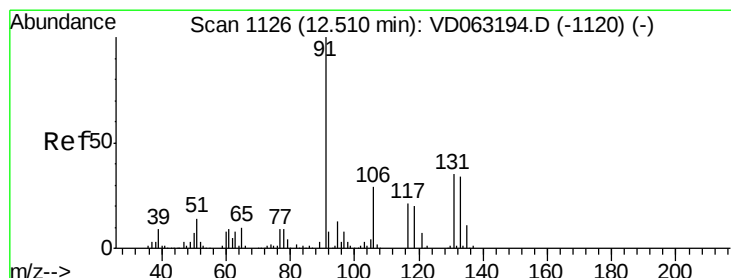
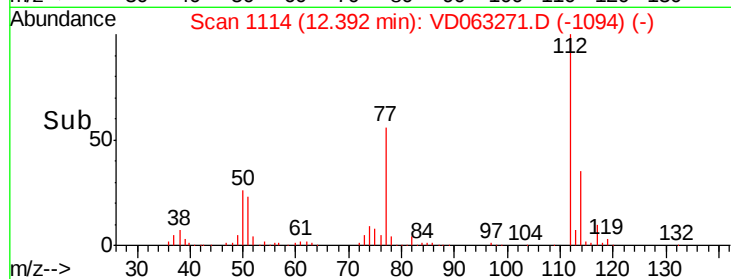
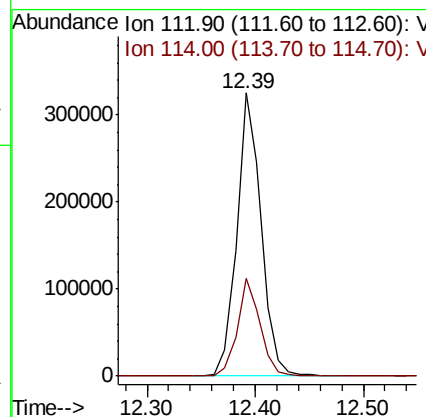
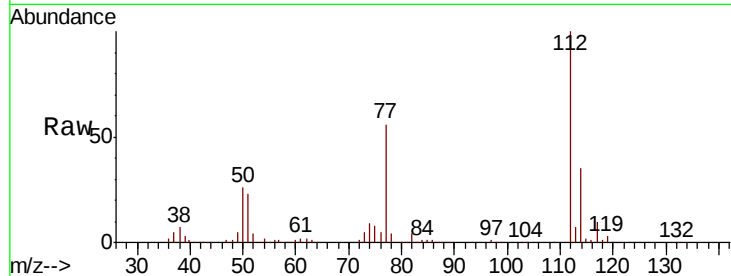




#65
Chlorobenzene
Concen: 20.236 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

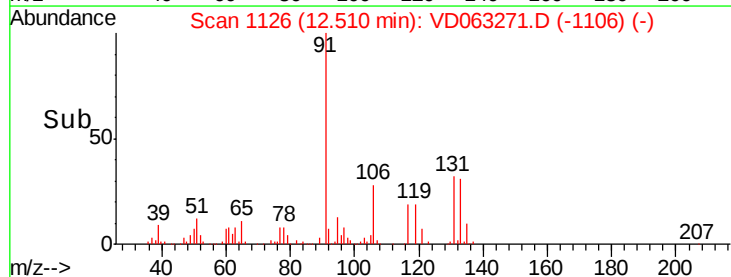
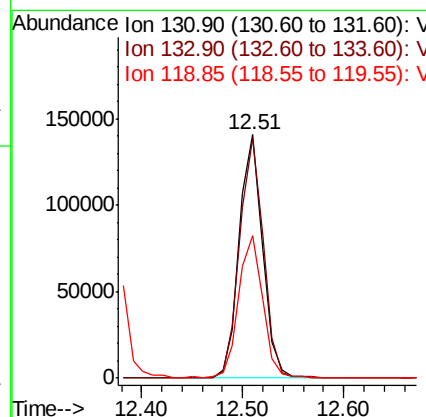
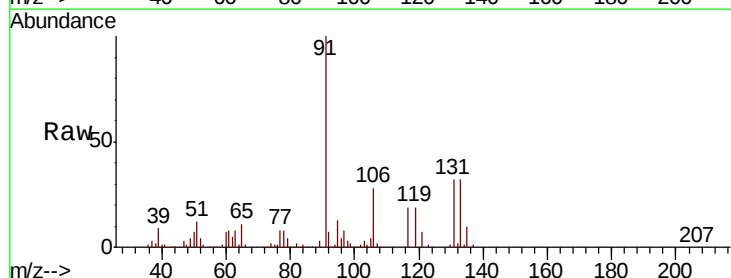
Instrument :
MSVOA_D
ClientSampleId :

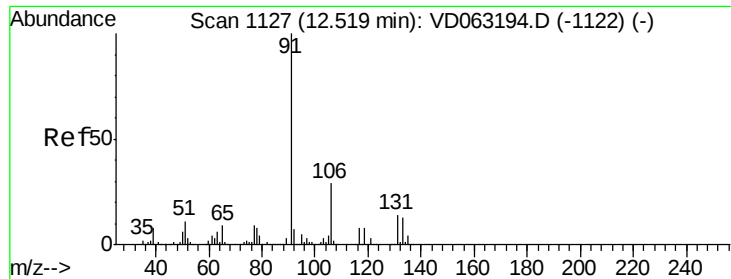
Tot Ion:112 Resp: 503542
Ion Ratio Lower Upper
112 100
114 34.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.639 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:131 Resp: 226221
Ion Ratio Lower Upper
131 100
133 98.4 48.4 145.2
119 58.3 29.1 87.3





#67

Ethyl Benzene

Concen: 21.931 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

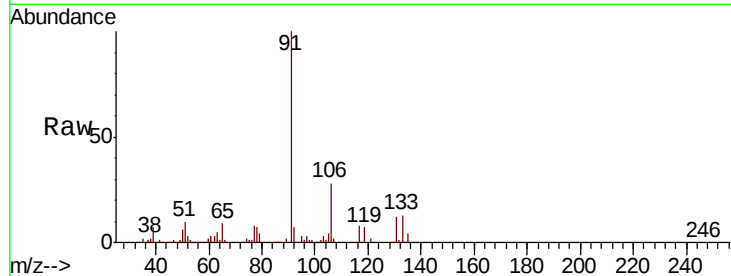
ClientSampled :

Tot Ion: 91 Resp: 927070

Ion Ratio Lower Upper

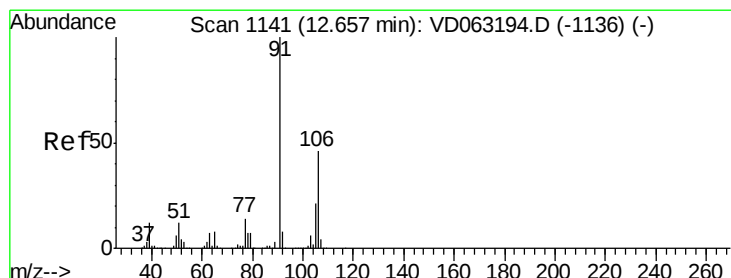
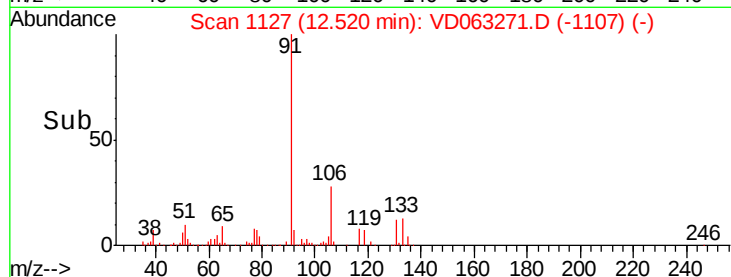
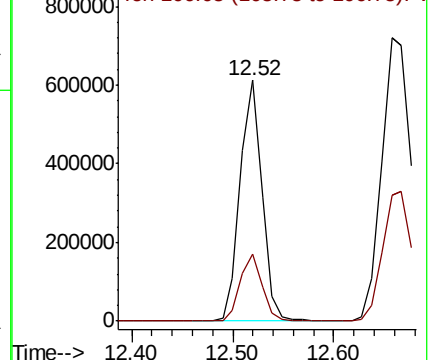
91 100

106 27.8 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 42.260 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD063271.D

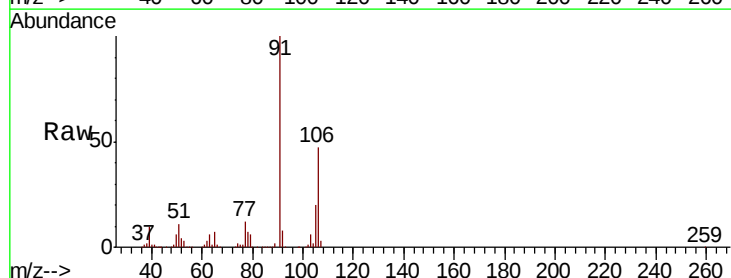
Acq: 31 Jul 2019 11:43

Tgt Ion: 106 Resp: 655139

Ion Ratio Lower Upper

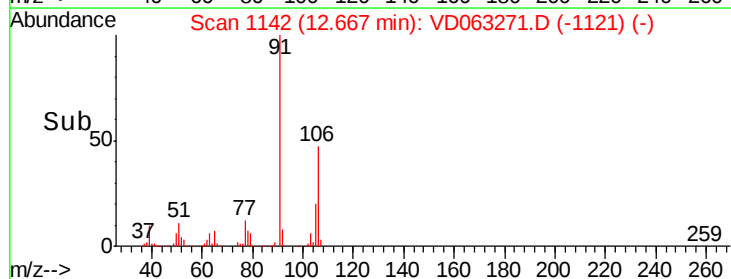
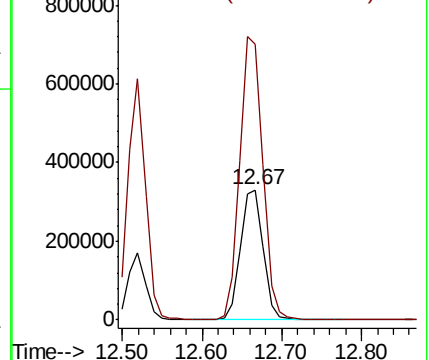
106 100

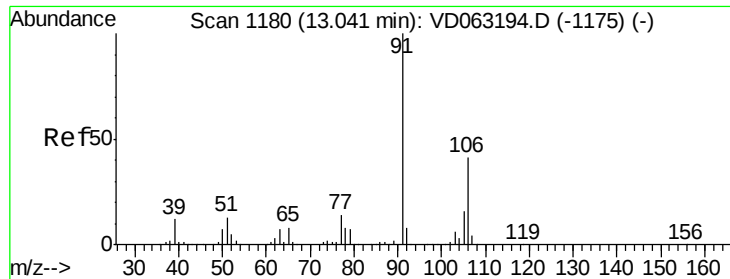
91 211.9 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

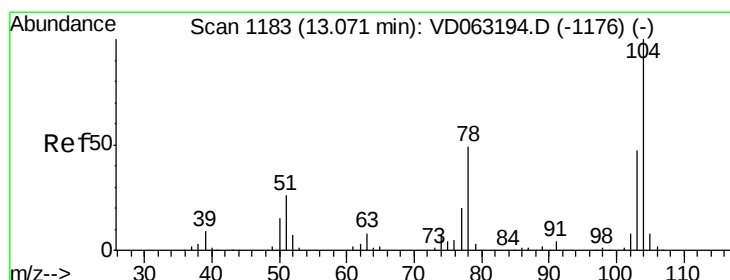
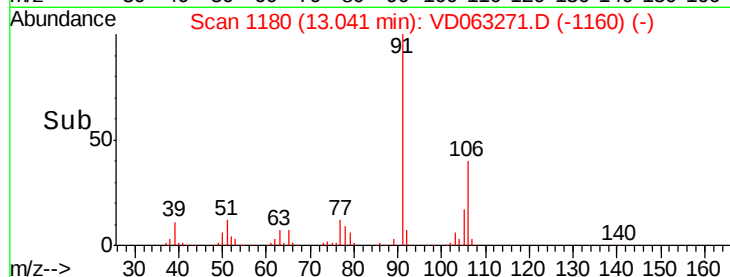
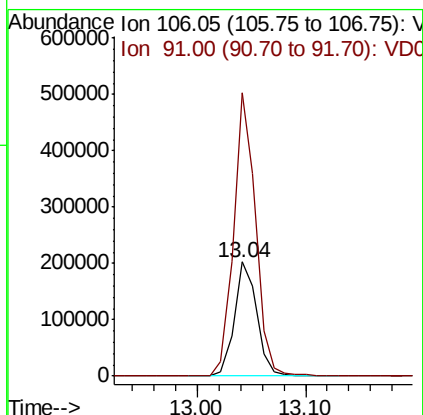
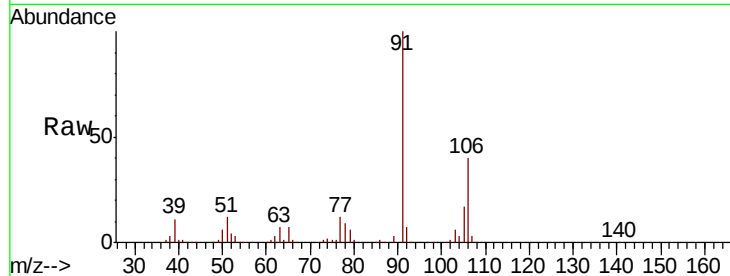




#69
o-Xylene
Concen: 20.576 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

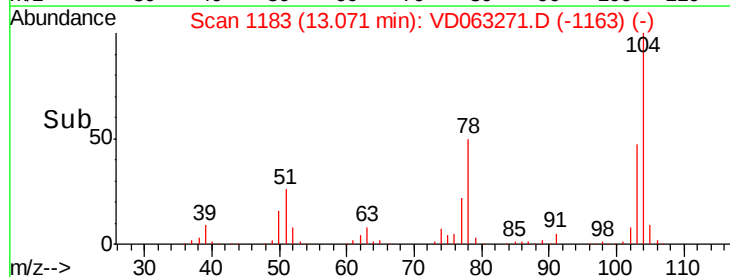
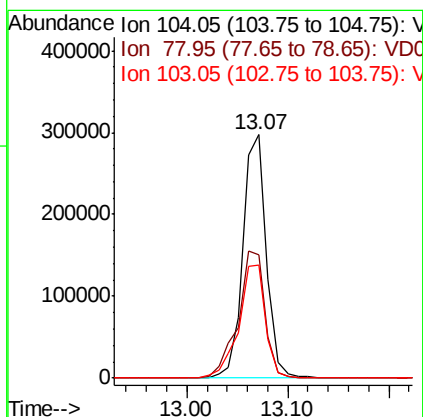
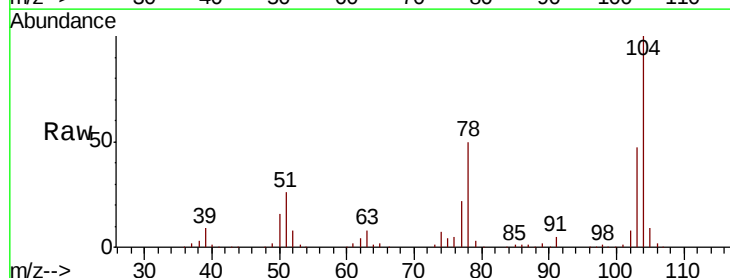
Instrument :
MSVOA_D
ClientSampled :

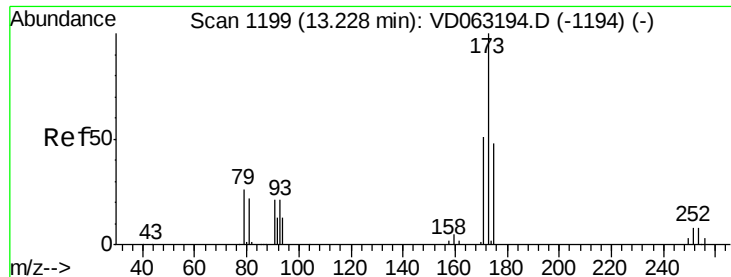
Tot Ion:106 Resp: 292915
Ion Ratio Lower Upper
106 100
91 248.5 121.3 363.9



#70
Styrene
Concen: 18.982 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:104 Resp: 479237
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.0
103 46.5 37.4 56.2

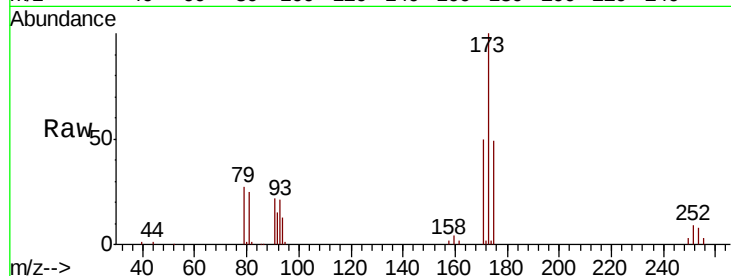




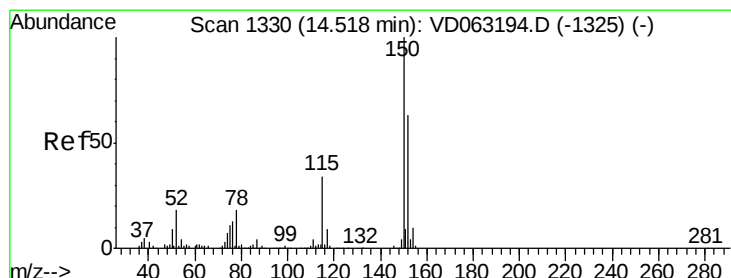
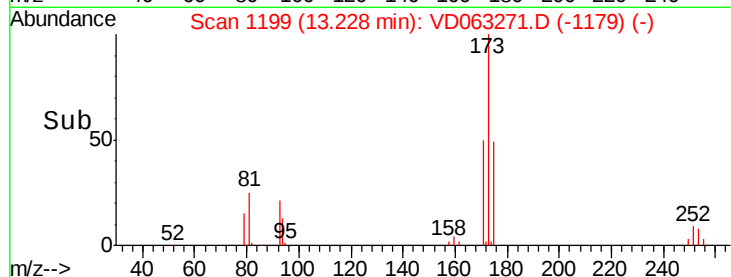
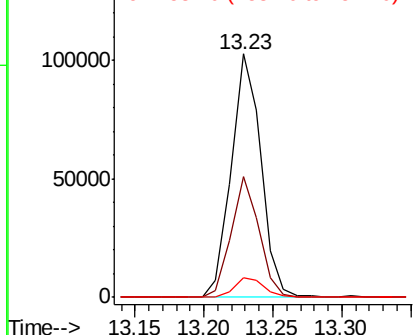
#71
Bromoform
Concen: 19.400 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 154642
Ion Ratio Lower Upper
173 100
175 49.4 23.8 71.5
254 8.0 6.6 10.0

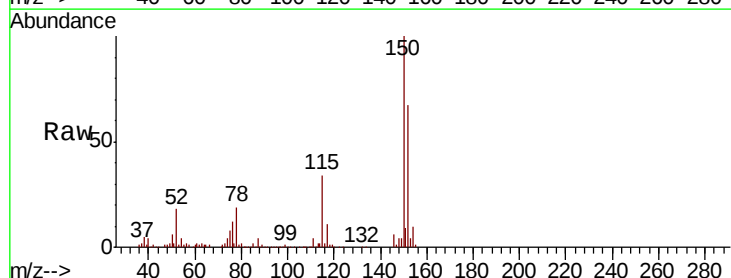


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

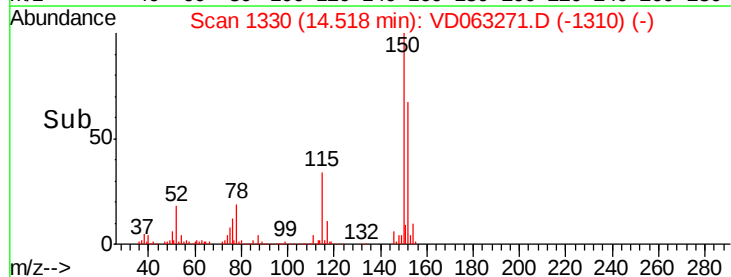
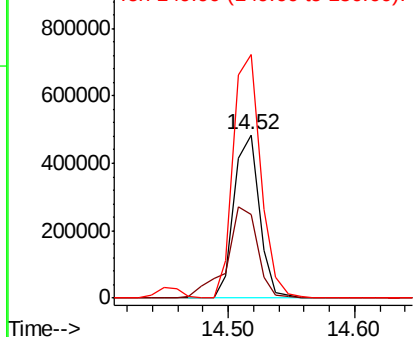


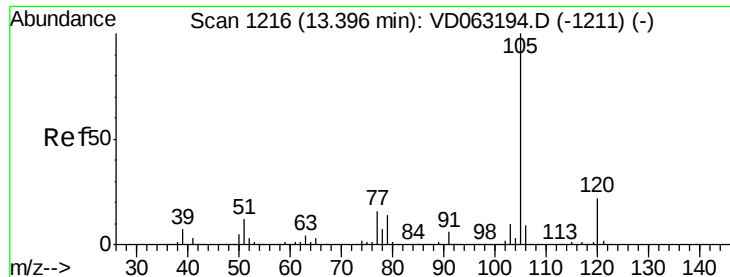
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:152 Resp: 675945
Ion Ratio Lower Upper
152 100
115 51.4 27.5 82.4
150 149.0 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.366 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

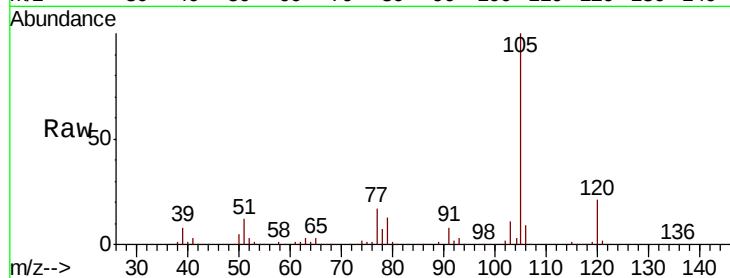
ClientSampleId :

Tot Ion:105 Resp: 906435

Ion Ratio Lower Upper

105 100

120 21.0 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

600000

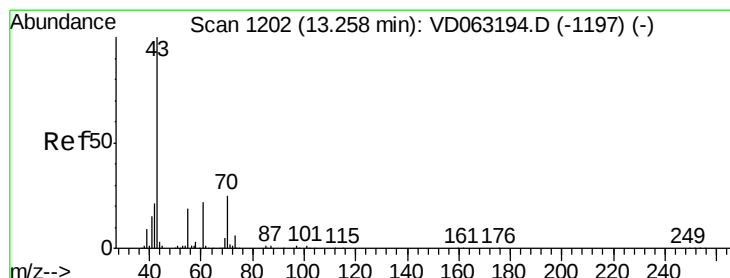
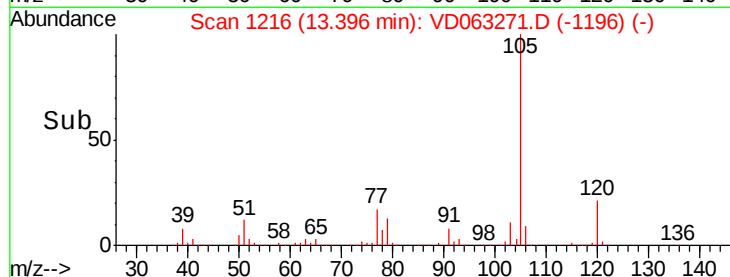
400000

200000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.293 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Tgt Ion: 43 Resp: 205160

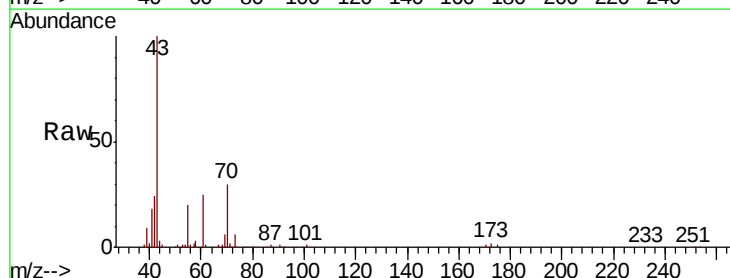
Ion Ratio Lower Upper

43 100

70 30.1 20.2 30.4

55 20.2 14.9 22.3

61 24.6 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

150000

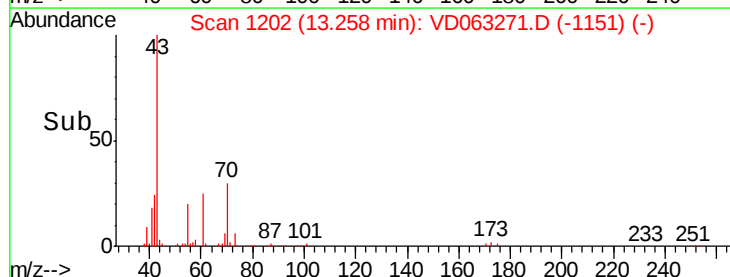
100000

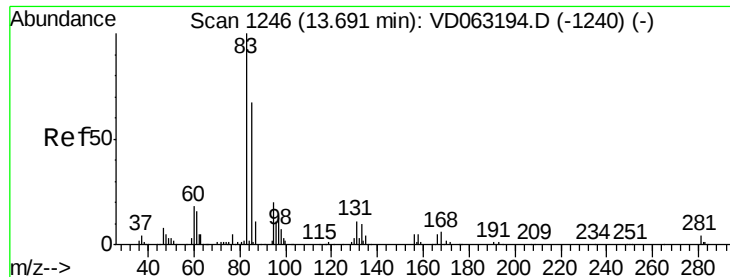
50000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.995 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampled :

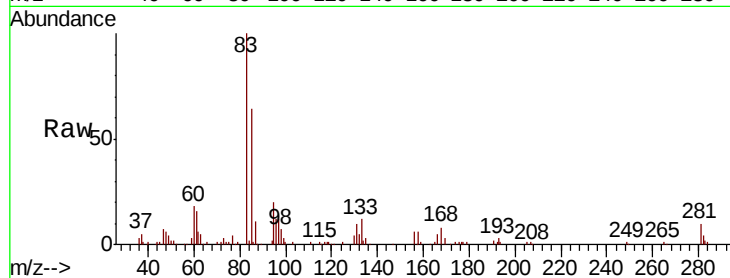
Tot Ion: 83 Resp: 144093

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.7

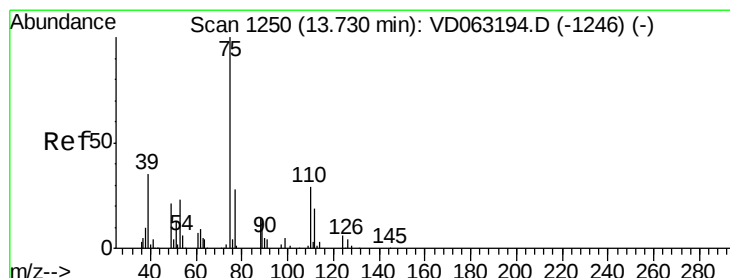
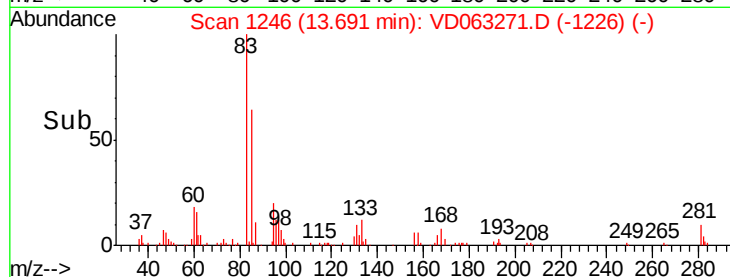
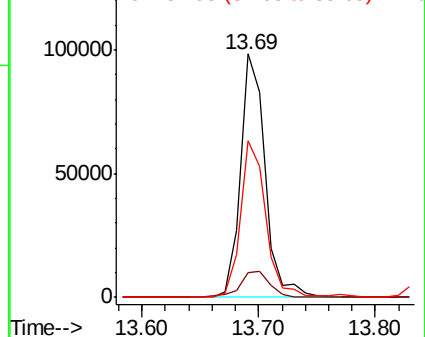
85 64.3 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.934 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063271.D

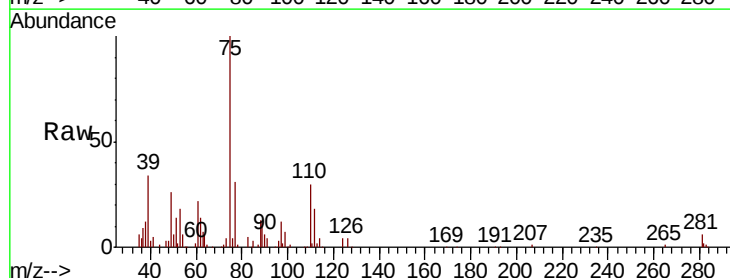
Acq: 31 Jul 2019 11:43

Tgt Ion: 75 Resp: 161844

Ion Ratio Lower Upper

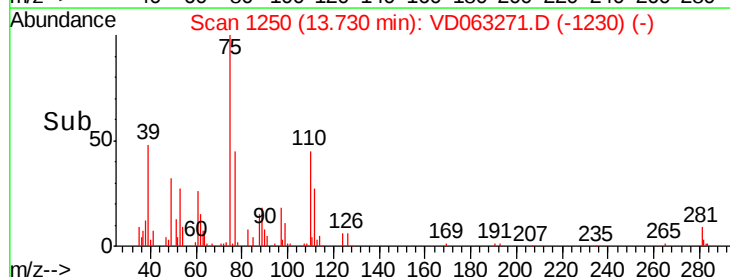
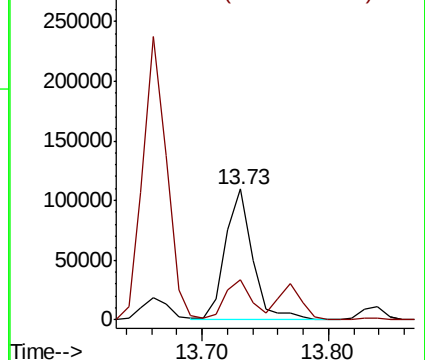
75 100

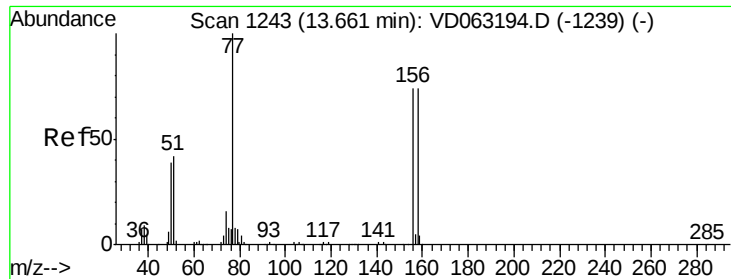
77 31.0 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.067 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

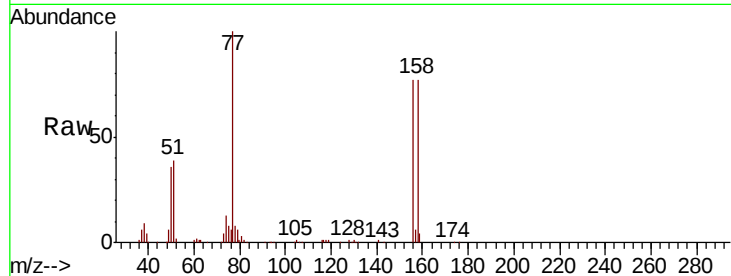
Tot Ion:156 Resp: 254600

Ion Ratio Lower Upper

156 100

77 130.3 67.6 202.8

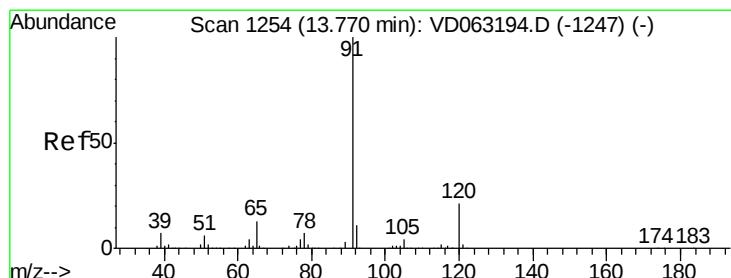
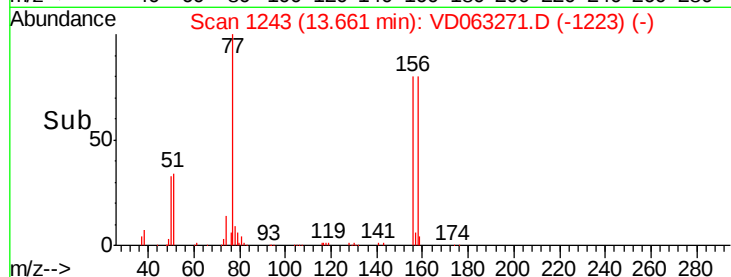
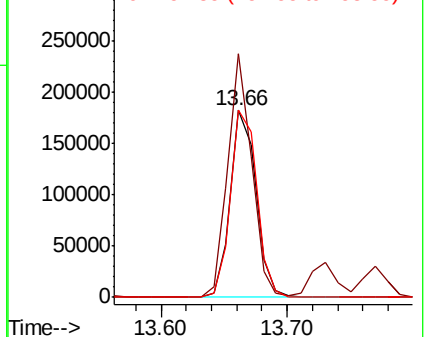
158 100.1 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.561 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063271.D

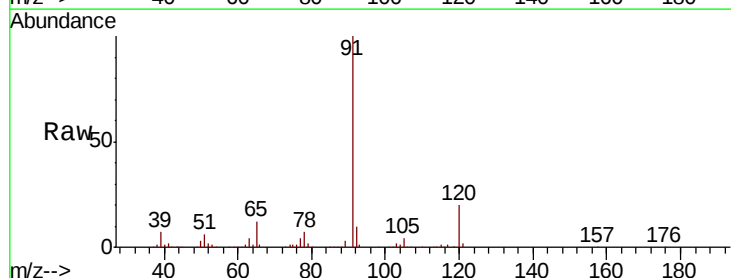
Acq: 31 Jul 2019 11:43

Tgt Ion: 91 Resp: 987535

Ion Ratio Lower Upper

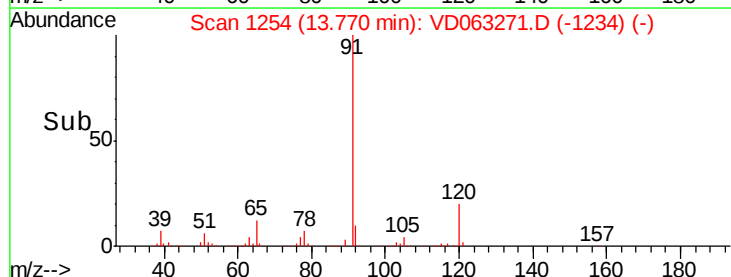
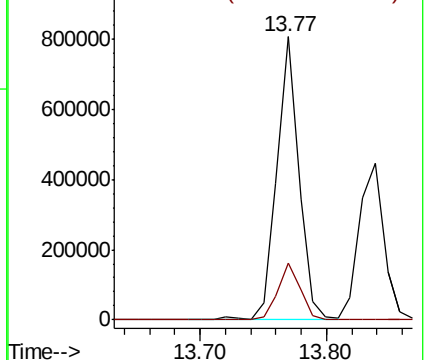
91 100

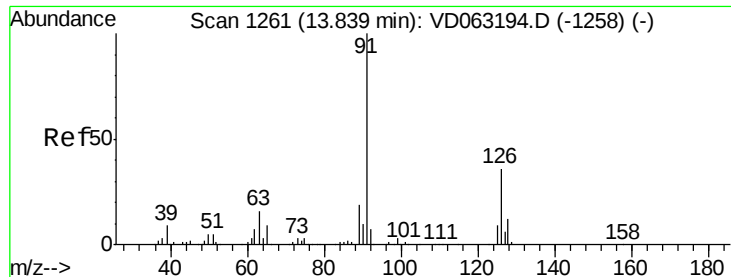
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.543 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

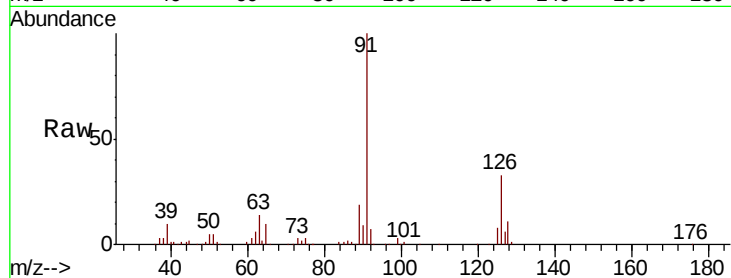
ClientSampleId :

Tot Ion: 91 Resp: 600951

Ion Ratio Lower Upper

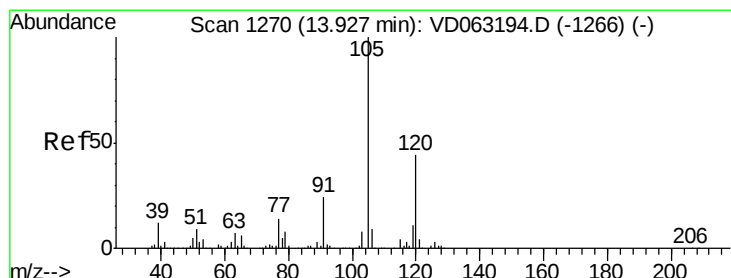
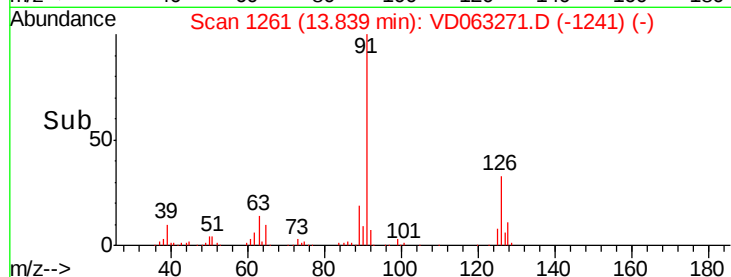
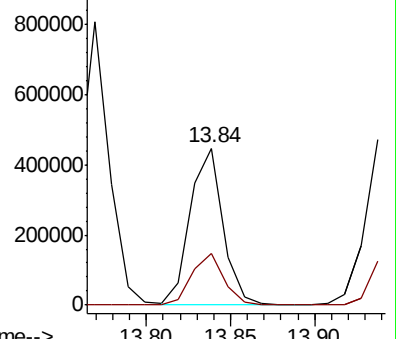
91 100

126 33.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.858 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063271.D

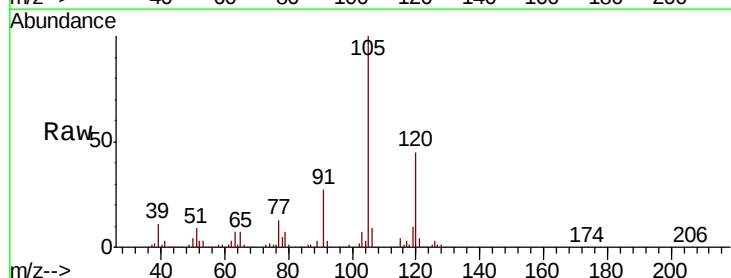
Acq: 31 Jul 2019 11:43

Tgt Ion:105 Resp: 799813

Ion Ratio Lower Upper

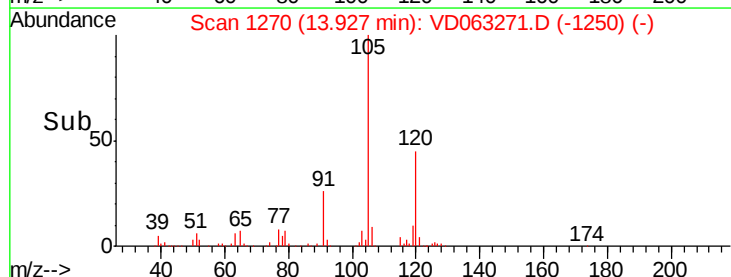
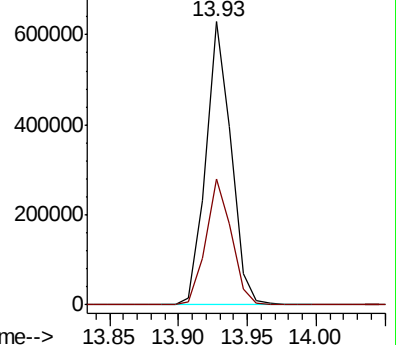
105 100

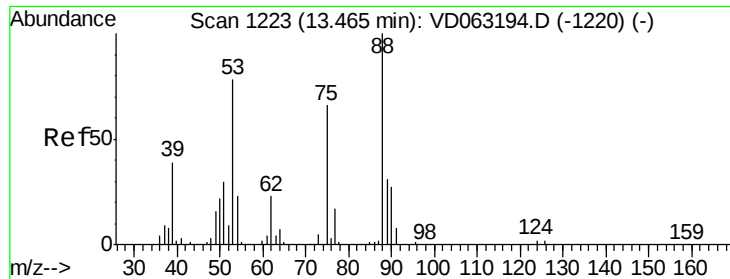
120 44.6 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

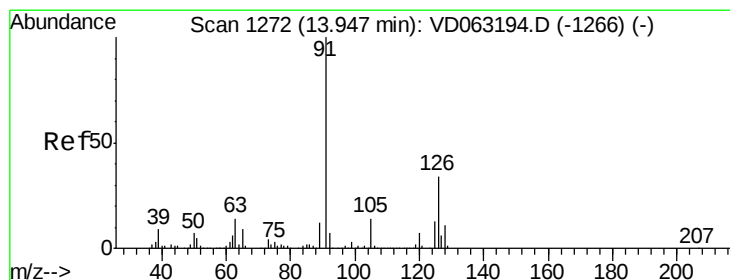
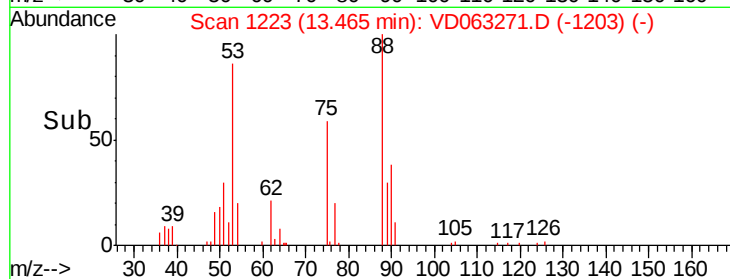
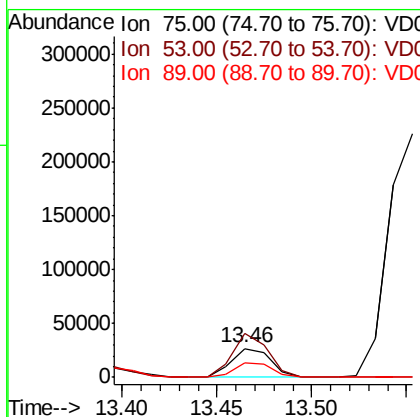
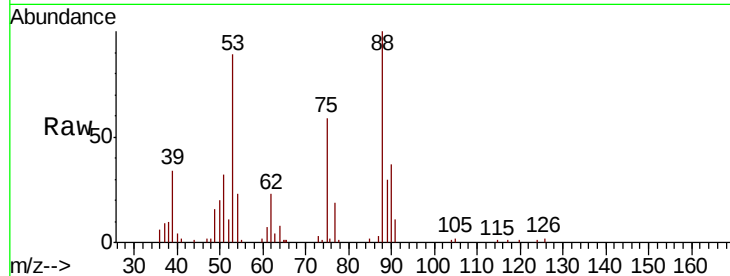




#81
trans-1,4-Dichloro-2-butene
Concen: 17.386 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

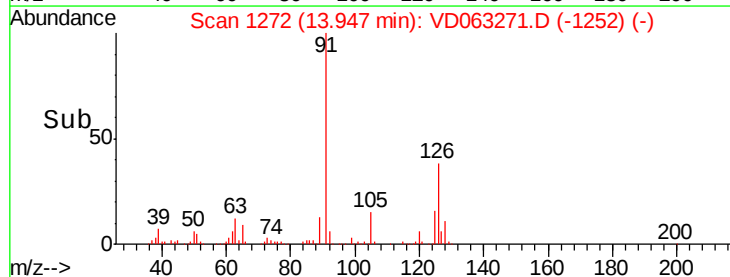
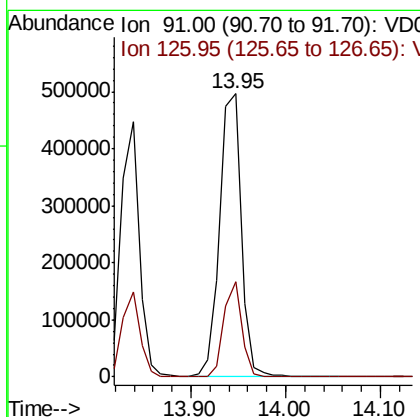
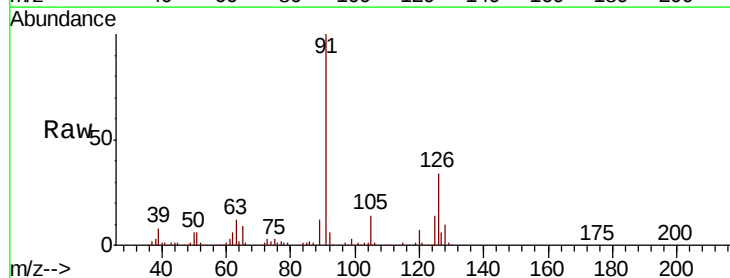
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 39196
Ion Ratio Lower Upper
75 100
53 151.7 94.9 142.3#
89 51.2 37.4 56.0



#82
4-Chlorotoluene
Concen: 22.646 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion: 91 Resp: 779621
Ion Ratio Lower Upper
91 100
126 33.8 17.1 51.2

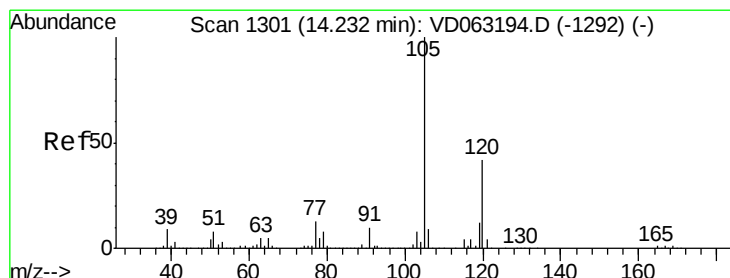
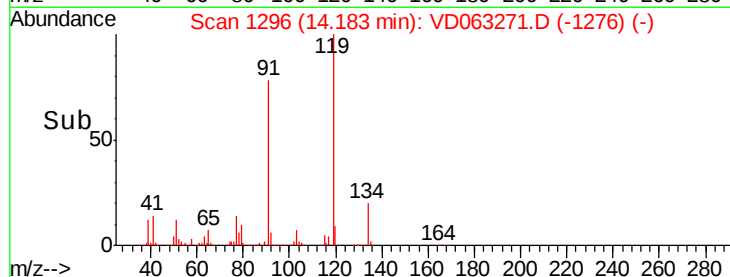
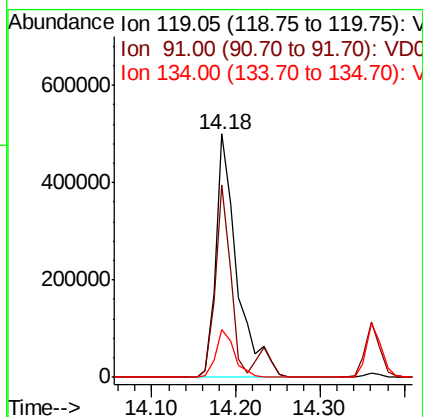
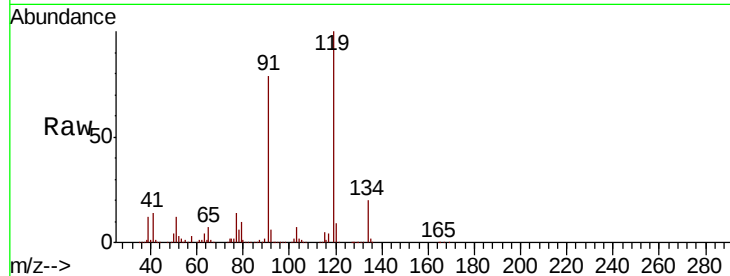




#83
tert-Butylbenzene
Concen: 20.855 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

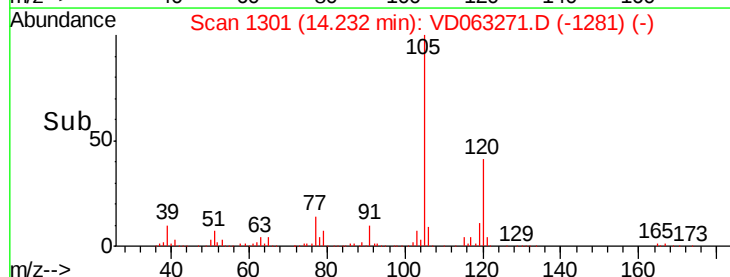
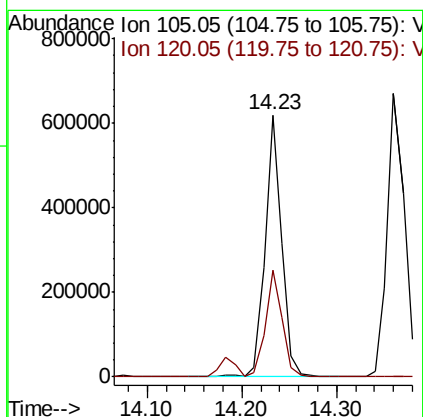
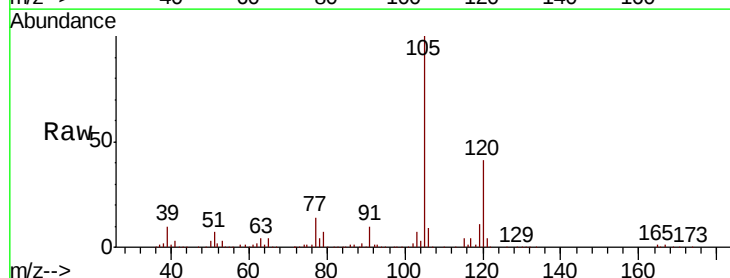
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 871320
Ion Ratio Lower Upper
119 100
91 78.8 39.1 117.5
134 19.8 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 20.069 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:105 Resp: 759553
Ion Ratio Lower Upper
105 100
120 40.6 20.9 62.7





#85

sec-Butylbenzene

Concen: 19.403 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

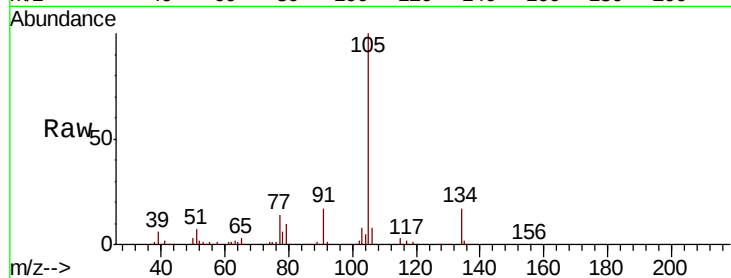
ClientSampleId :

Tot Ion:105 Resp: 854100

Ion Ratio Lower Upper

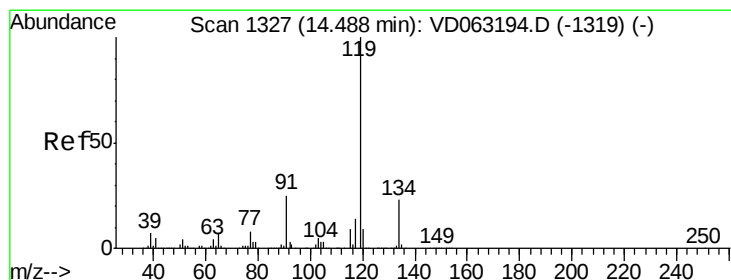
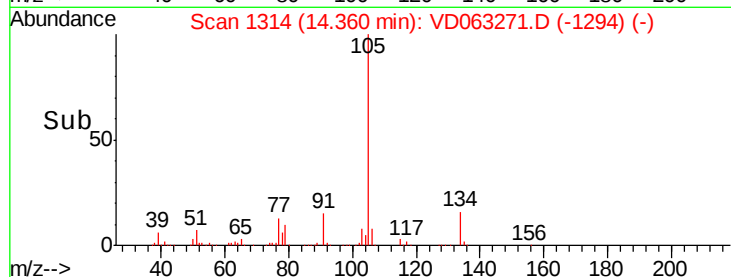
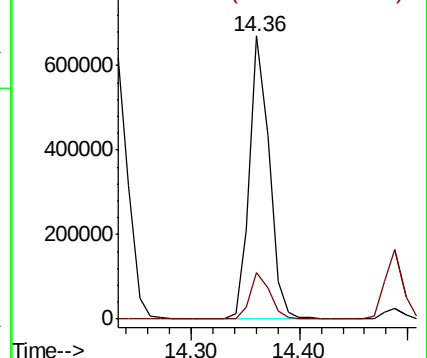
105 100

134 16.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.749 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

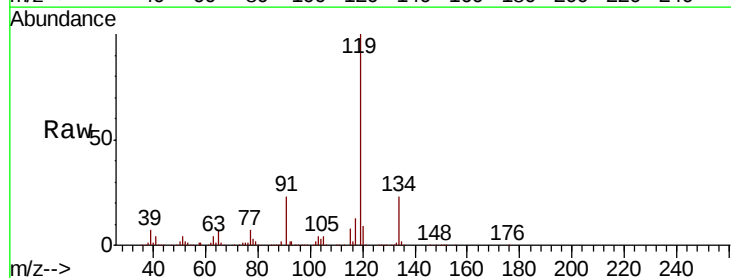
Tgt Ion:119 Resp: 871755

Ion Ratio Lower Upper

119 100

134 23.2 11.5 34.5

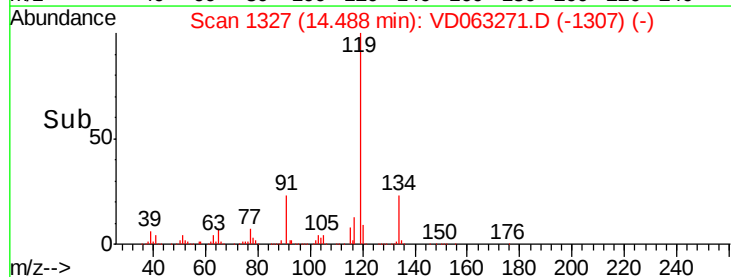
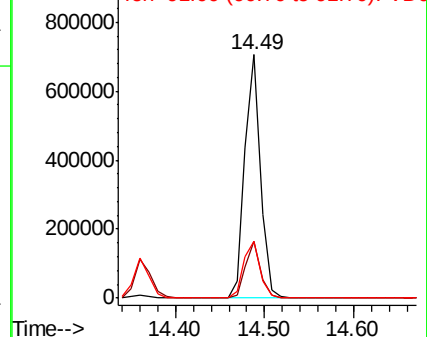
91 23.1 12.6 37.6

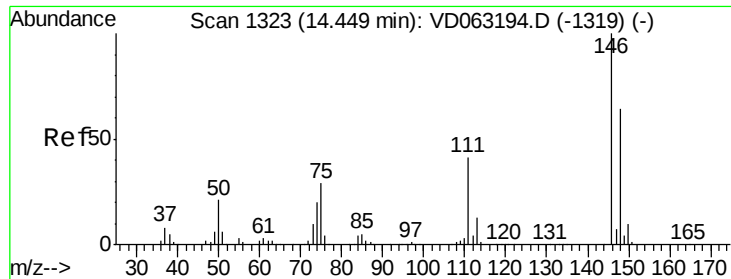


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

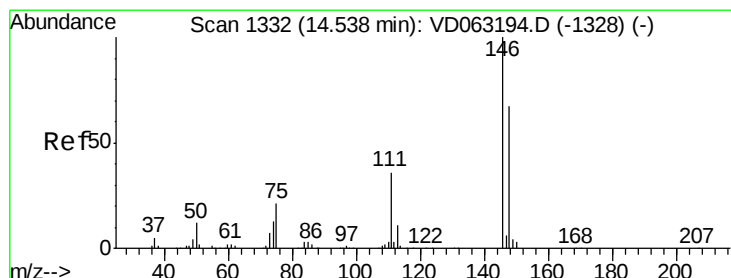
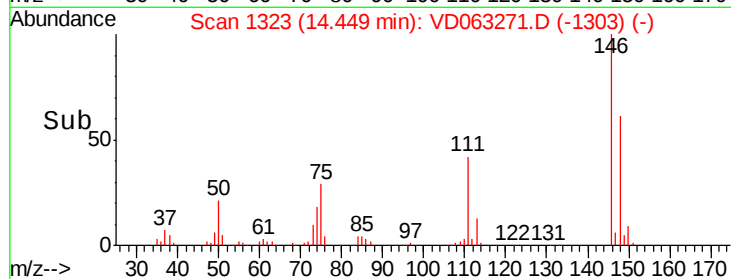
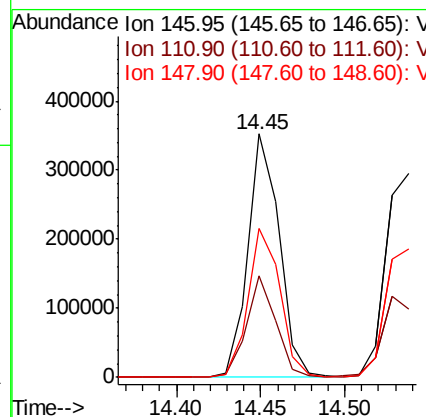
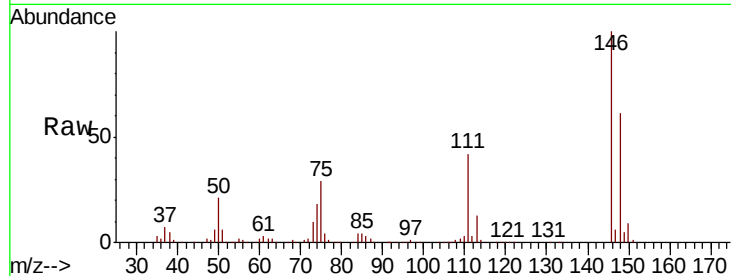




#87
 1,3-Dichlorobenzene
 Concen: 21.302 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

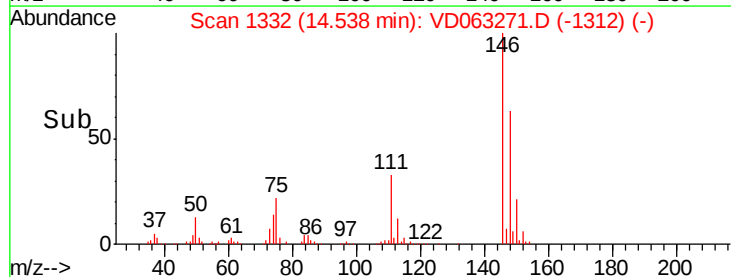
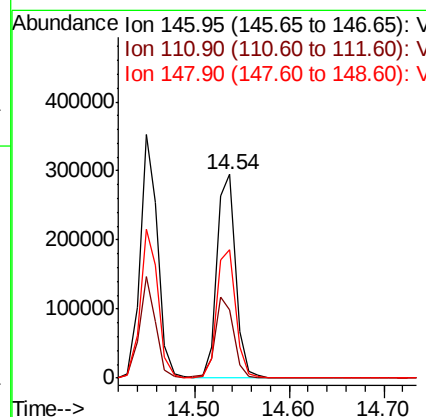
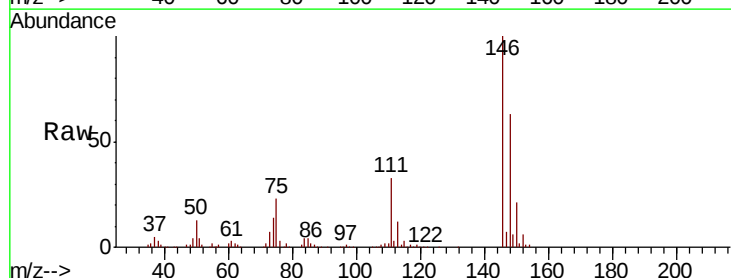
Instrument :
 MSVOA_D
 ClientSampleID :

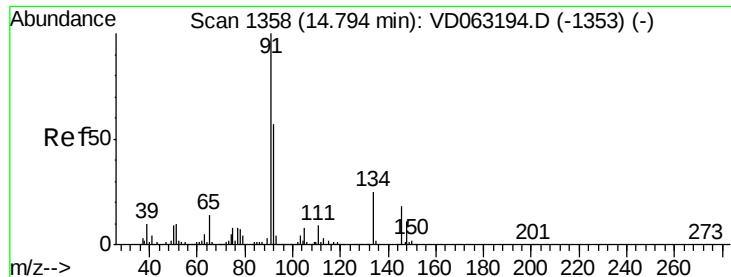
Tot Ion:146 Resp: 455903
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.3
 148 60.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.893 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion:146 Resp: 408900
 Ion Ratio Lower Upper
 146 100
 111 33.3 18.1 54.3
 148 63.2 33.4 100.1





#89

n-Butylbenzene

Concen: 21.893 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063271.D

Acq: 31 Jul 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

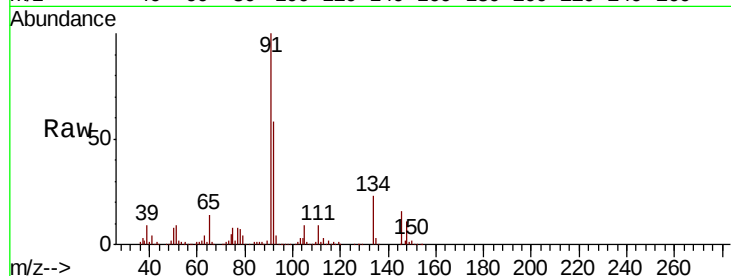
Tot Ion: 91 Resp: 794438

Ion Ratio Lower Upper

91 100

92 58.0 28.3 85.0

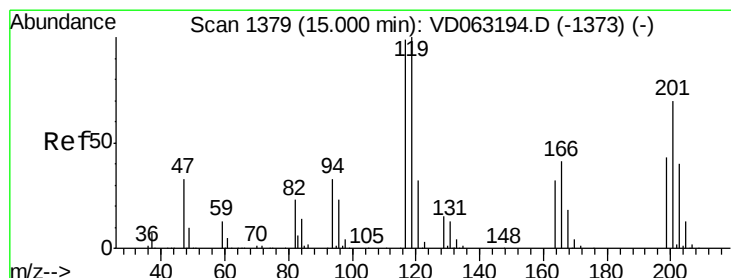
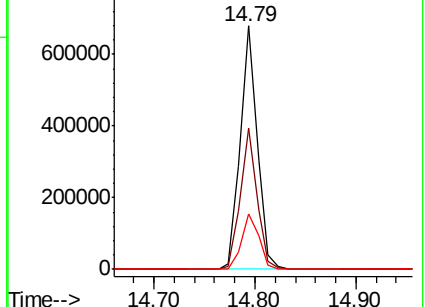
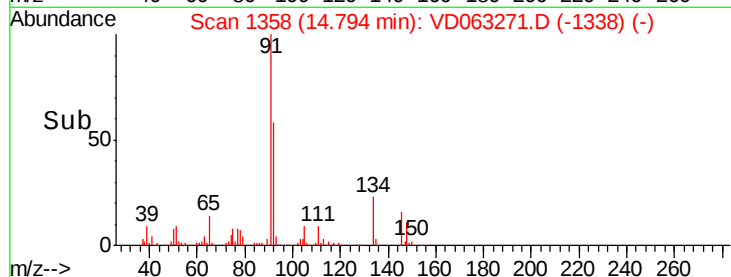
134 22.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.329 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063271.D

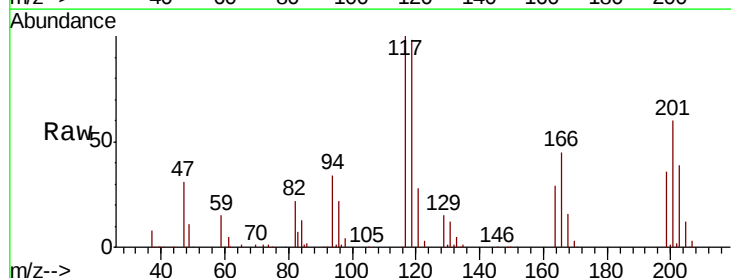
Acq: 31 Jul 2019 11:43

Tgt Ion: 117 Resp: 200626

Ion Ratio Lower Upper

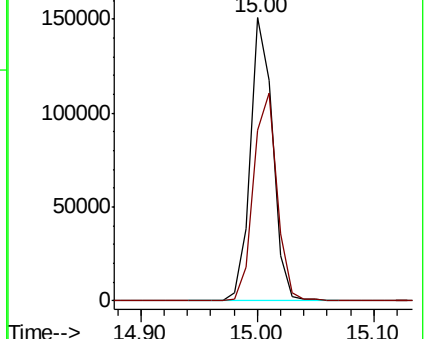
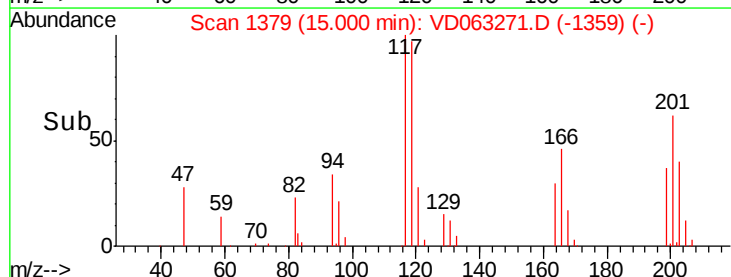
117 100

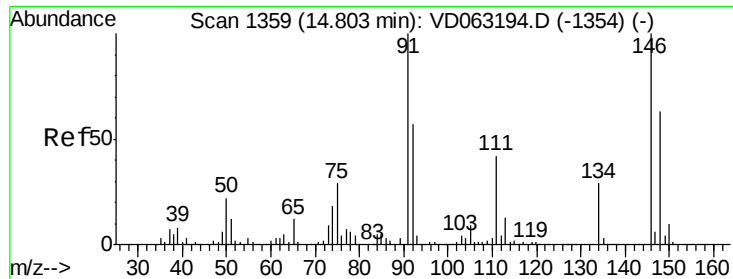
201 60.2 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

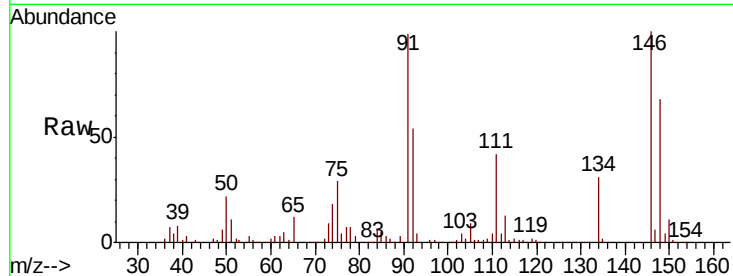




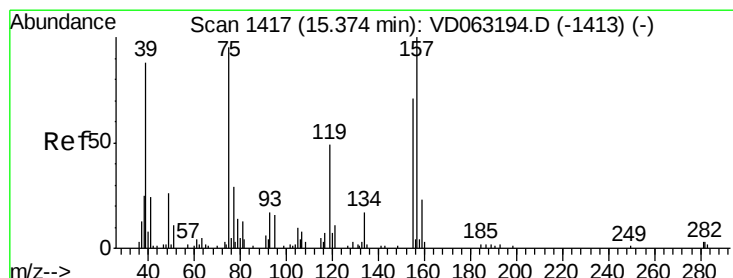
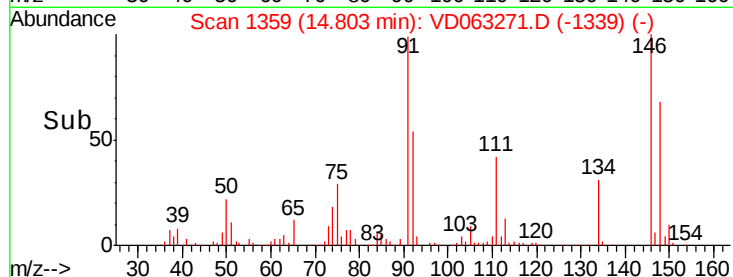
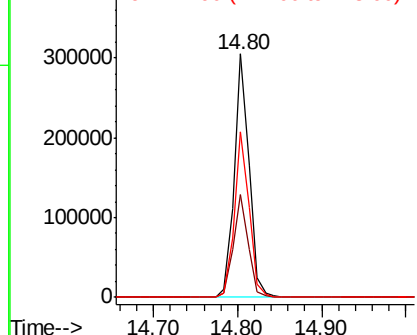
#91
 1,2-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 371856
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.3
 148 67.9 31.6 94.8

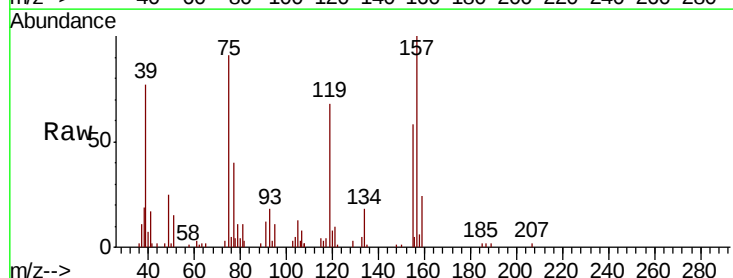


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

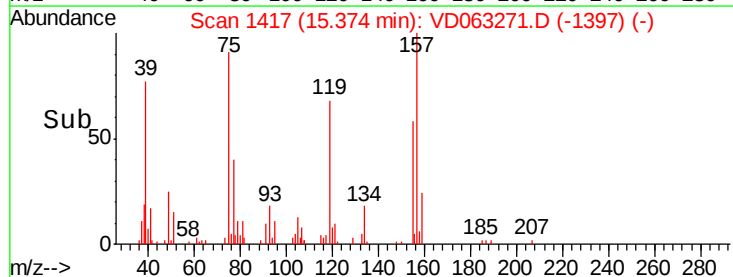
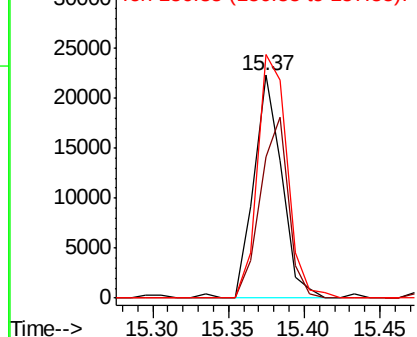


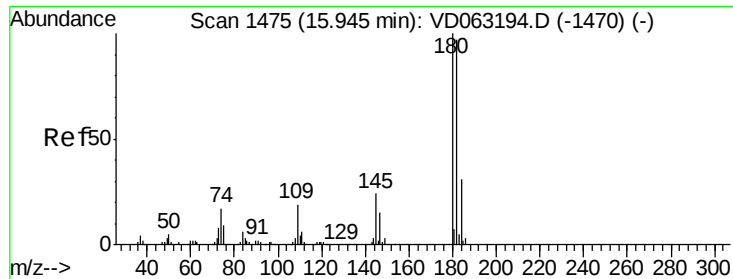
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.533 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion: 75 Resp: 28672
 Ion Ratio Lower Upper
 75 100
 155 63.6 37.0 111.0
 157 109.4 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

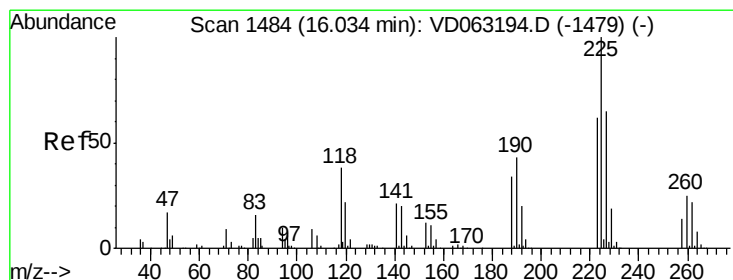
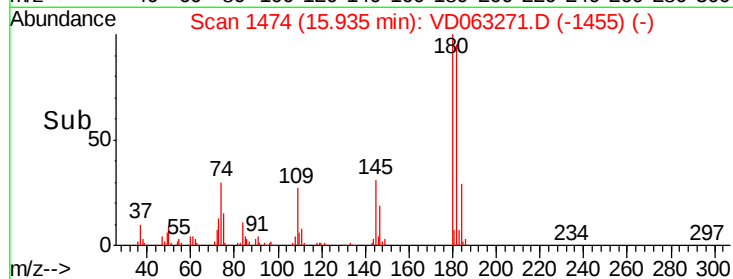
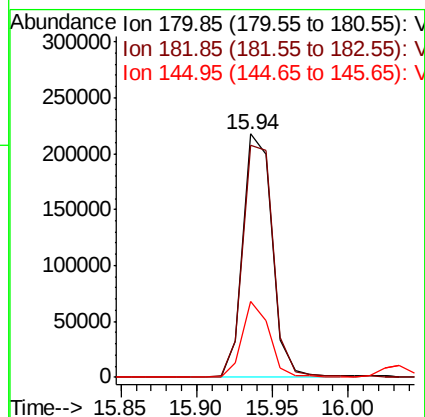
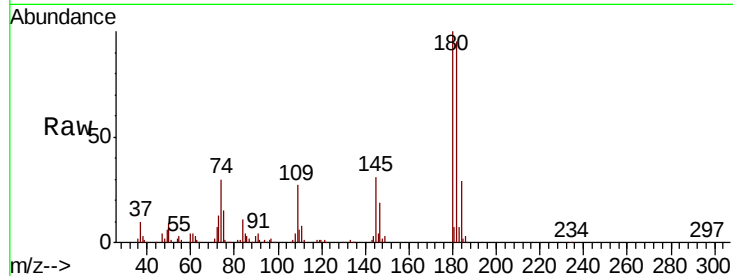




#93
 1,2,4-Trichlorobenzene
 Concen: 19.766 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

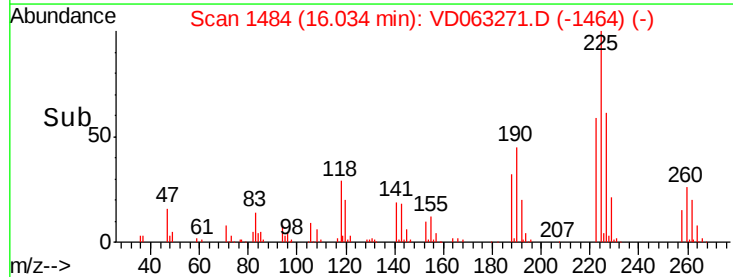
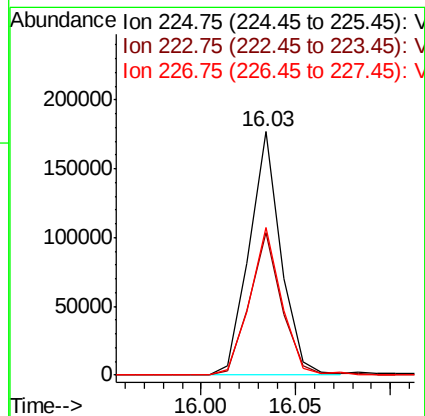
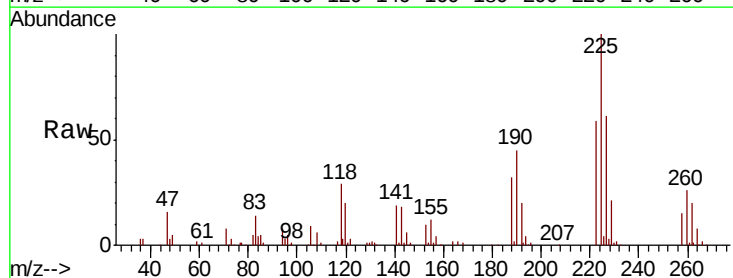
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.6	145.8
145	31.3	12.2	36.6



#94
 Hexachlorobutadiene
 Concen: 19.142 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	30.9	92.5
227	60.7	32.6	97.7

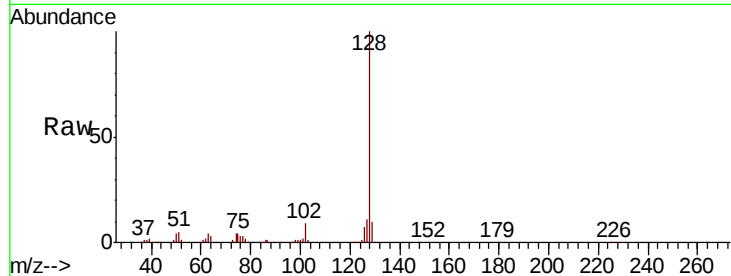




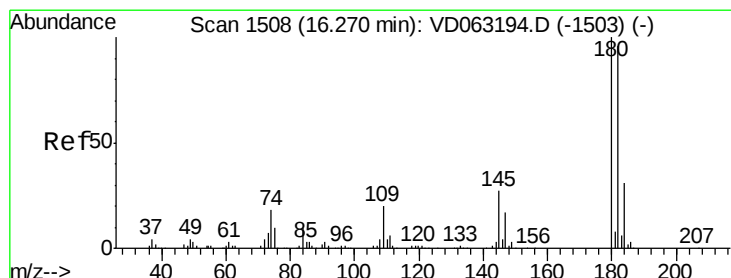
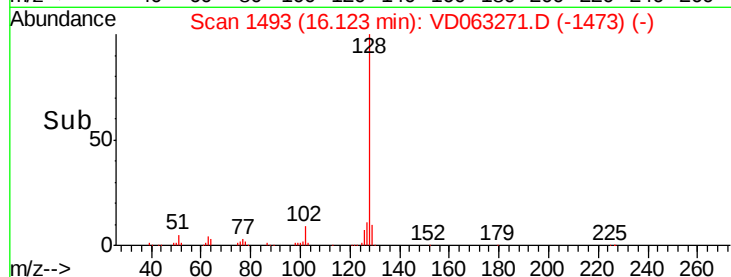
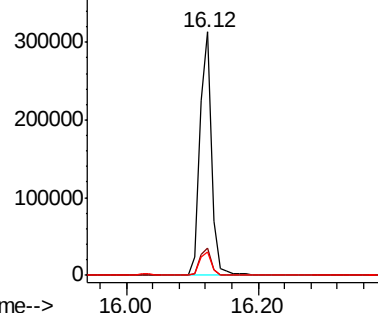
#95
Naphthalene
Concen: 18.610 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 389107
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.4
129 9.6 7.8 11.8

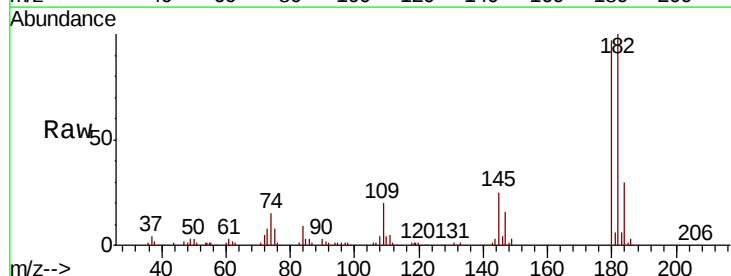


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.078 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Tgt Ion:180 Resp: 222951
Ion Ratio Lower Upper
180 100
182 102.7 48.3 144.9
145 25.9 13.6 40.7



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

