

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 :
 VD0731SBS01

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

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 :
 VD0731SBS01

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)
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

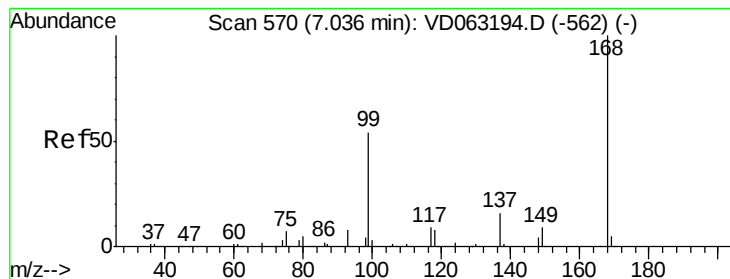
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
Data File : VD063271.D
Acq On : 31 Jul 2019 11:43
Operator : VA/AP
Sample : VD0731SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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)
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 :

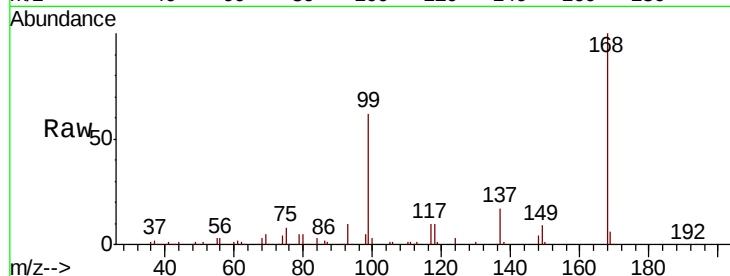
VD0731SBS01

Tot Ion:168 Resp: 1127542

Ion Ratio Lower Upper

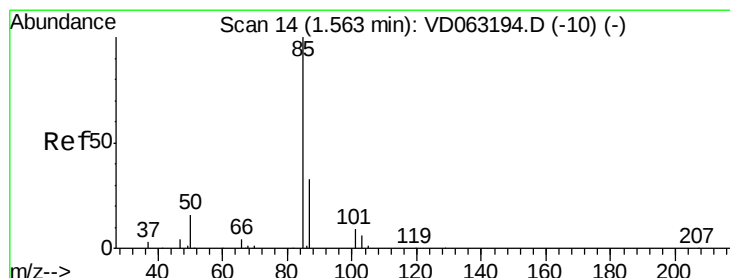
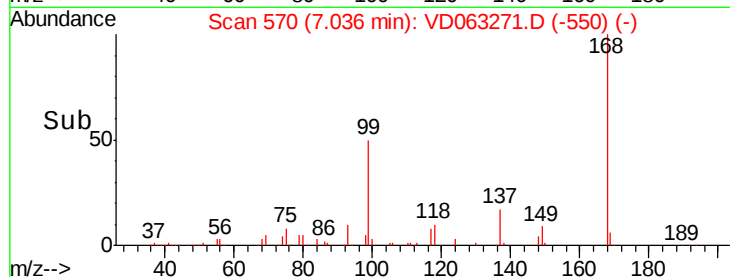
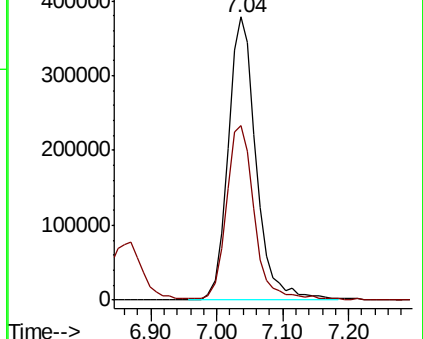
168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.509 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063271.D

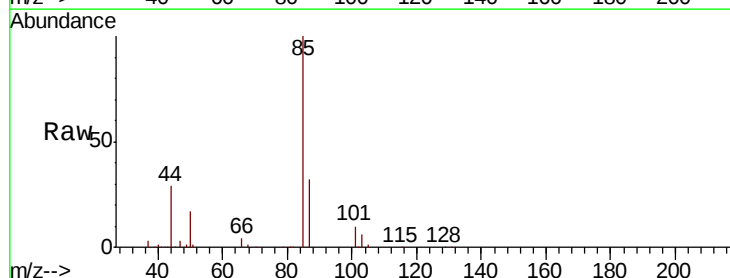
Acq: 31 Jul 2019 11:43

Tgt Ion: 85 Resp: 282669

Ion Ratio Lower Upper

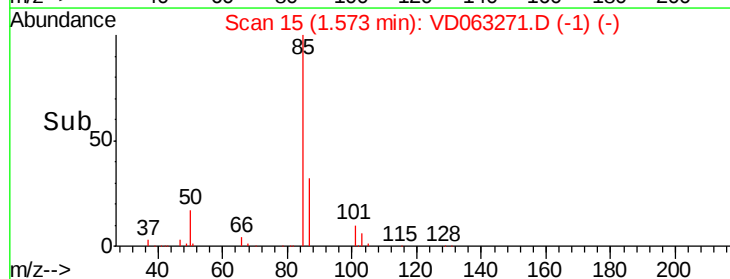
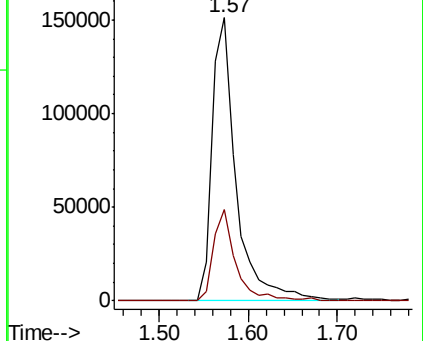
85 100

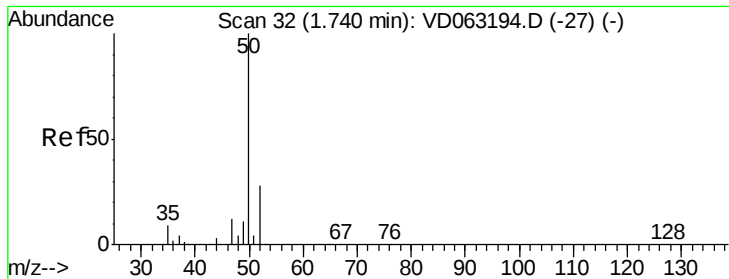
87 32.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): 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 :

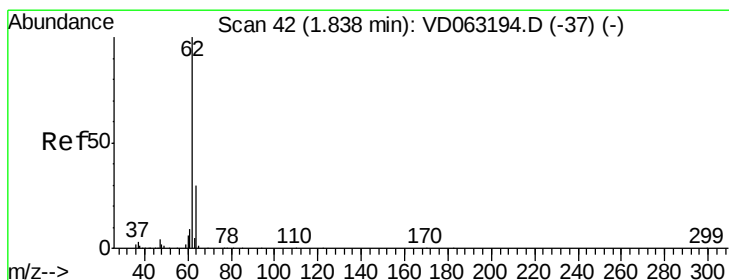
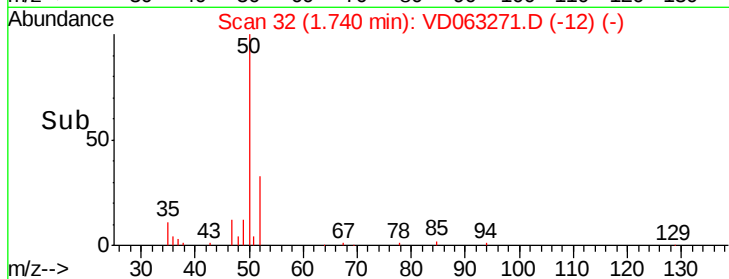
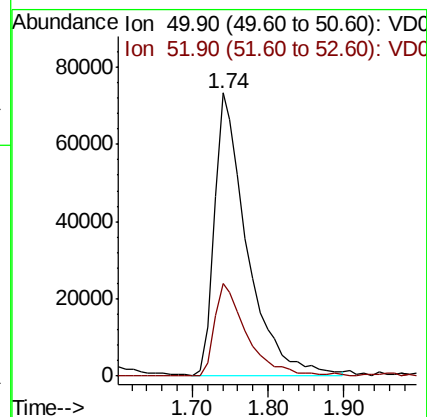
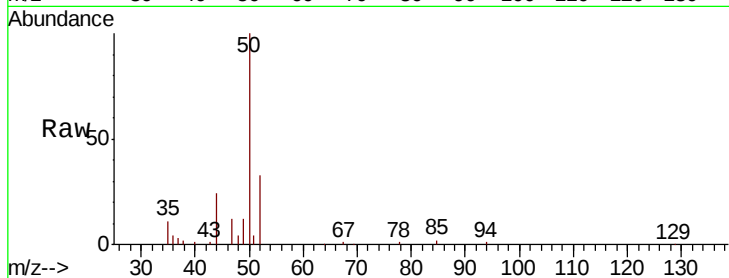
VD0731SBS01

Tot Ion: 50 Resp: 221793

Ion Ratio Lower Upper

50 100

52 32.7 22.6 34.0



#4

Vinyl Chloride

Concen: 21.123 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063271.D

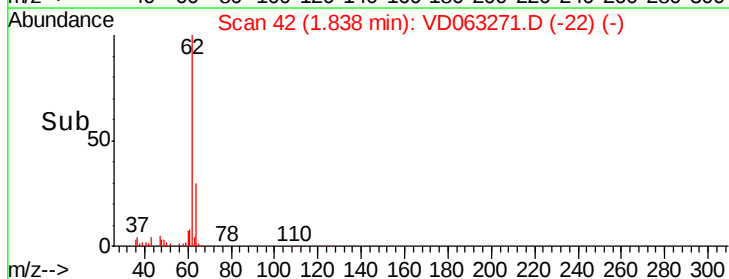
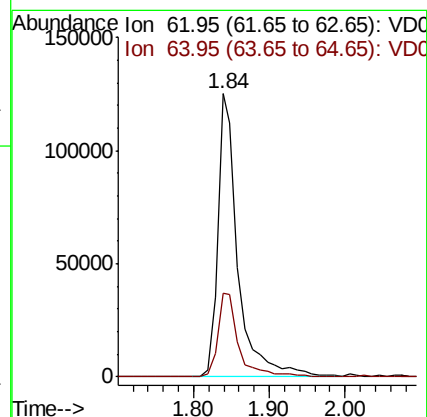
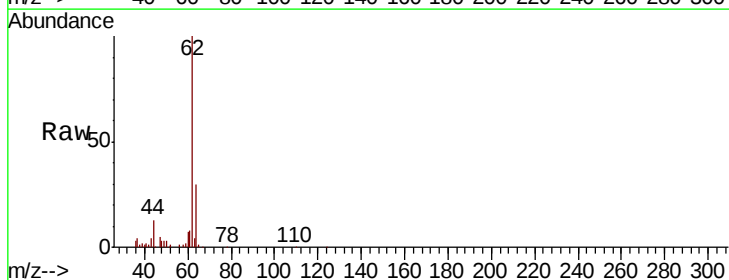
Acq: 31 Jul 2019 11:43

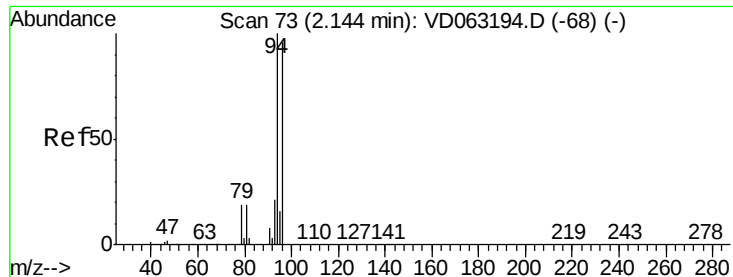
Tgt Ion: 62 Resp: 234155

Ion Ratio Lower Upper

62 100

64 29.7 24.1 36.1





#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 :

VD0731SBS01

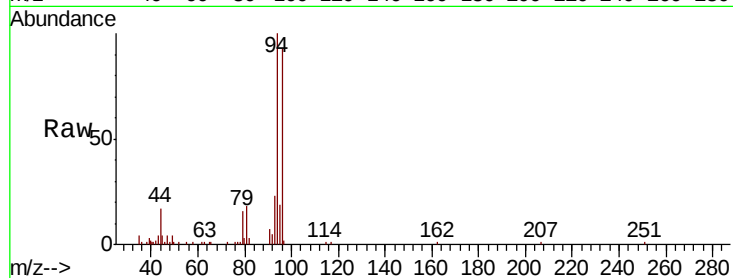
Tot Ion: 94 Resp: 94849

Ion Ratio Lower Upper

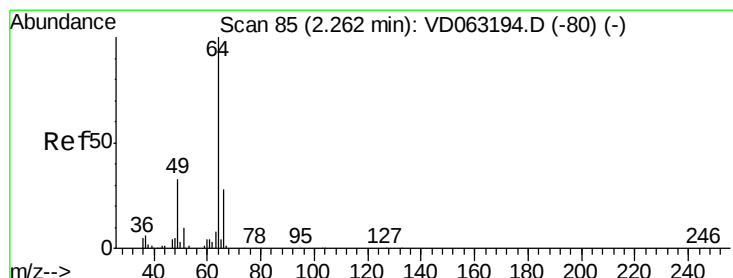
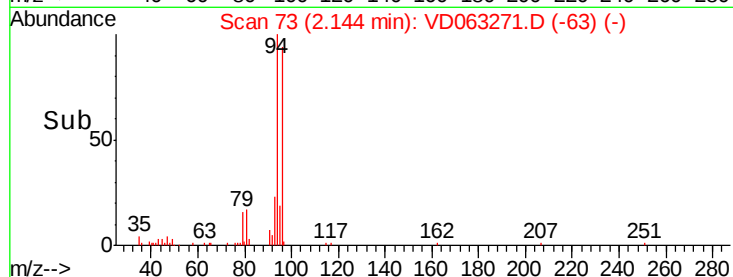
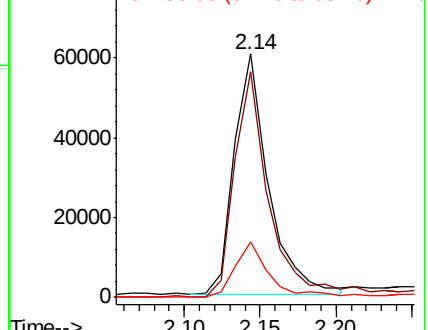
94 100

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

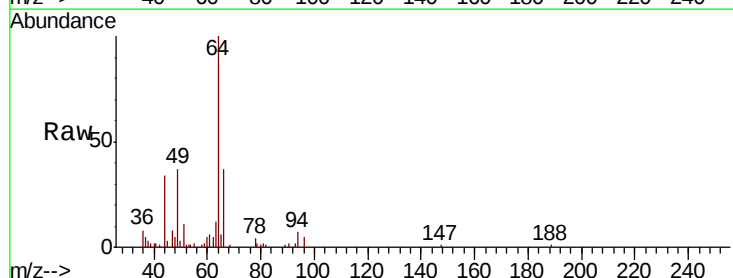
Acq: 31 Jul 2019 11:43

Tgt Ion: 64 Resp: 85667

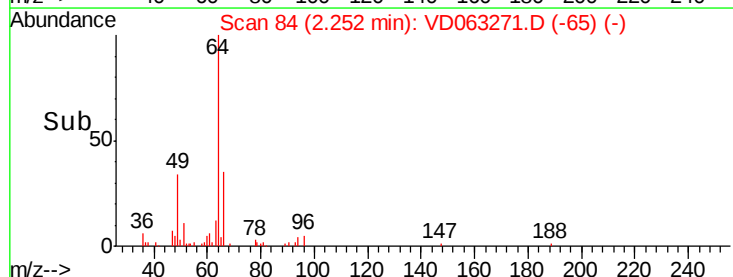
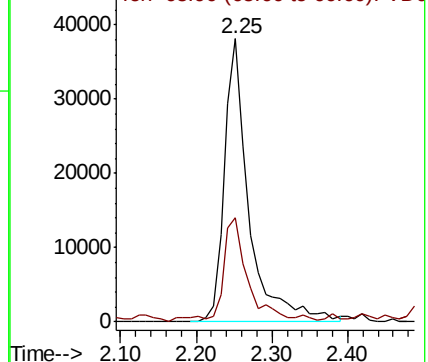
Ion Ratio Lower Upper

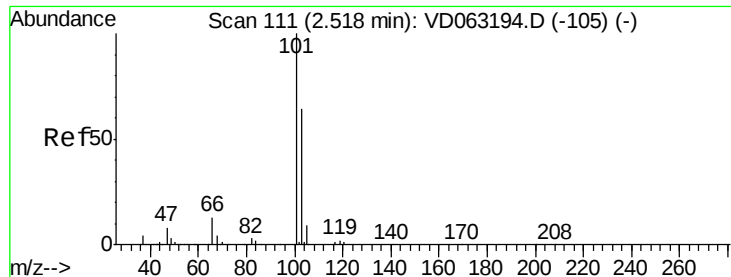
64 100

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



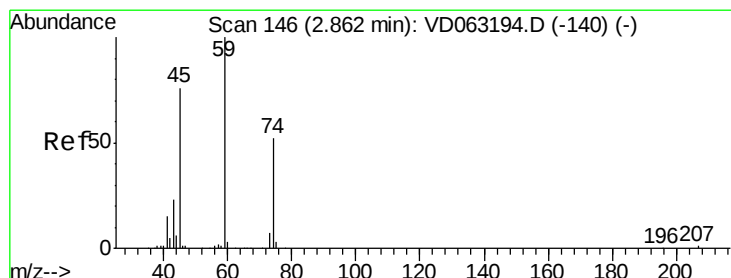
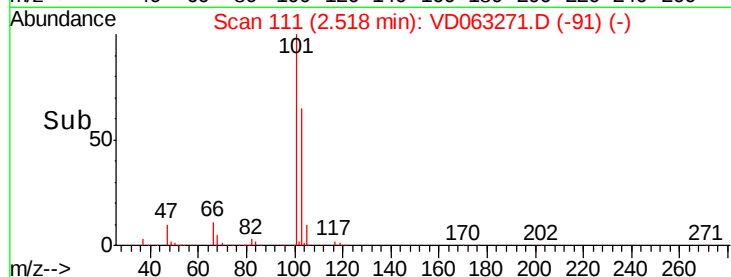
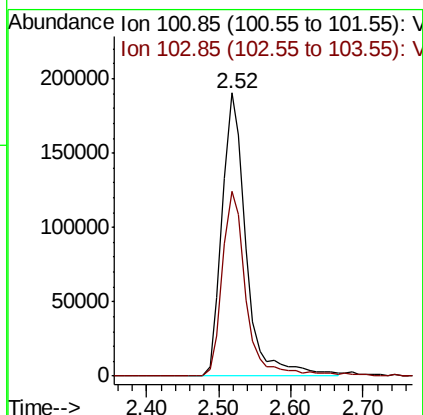
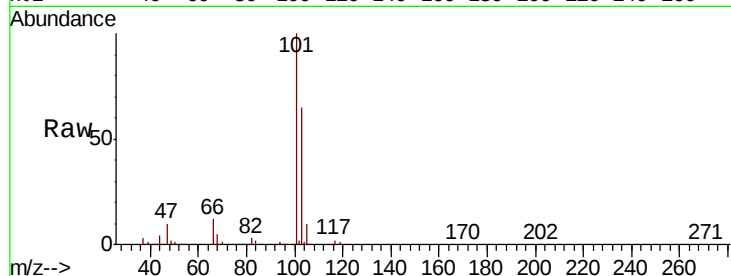


#7

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 :
 VD0731SBSD01

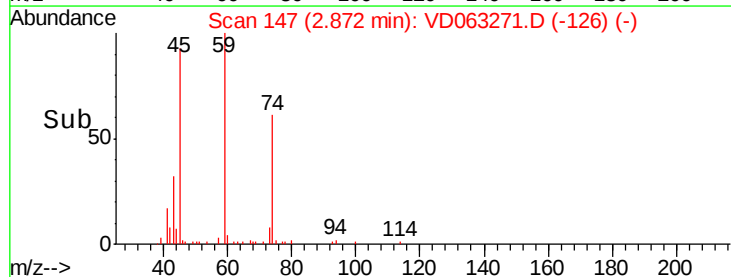
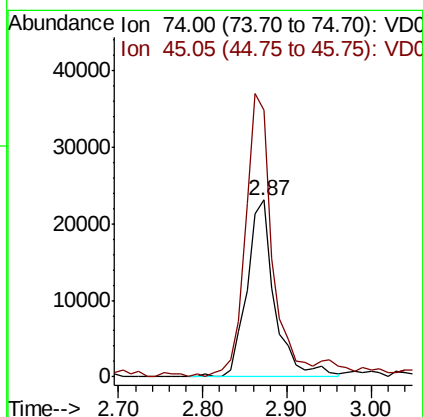
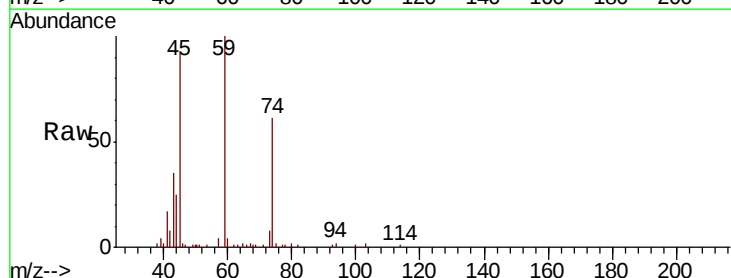
Tot Ion:101 Resp: 439439
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

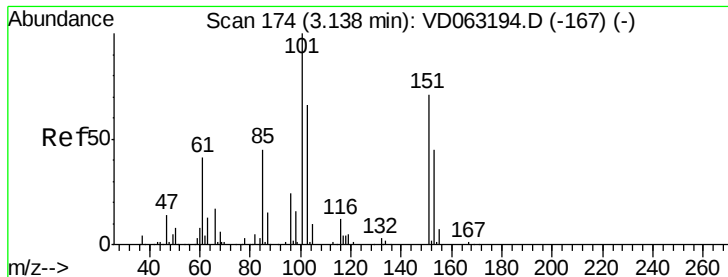


#8

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

ClientSampleId :

VD0731SBS01

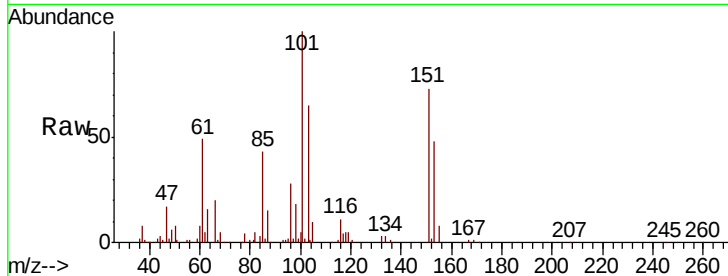
Tot Ion:101 Resp: 240694

Ion Ratio Lower Upper

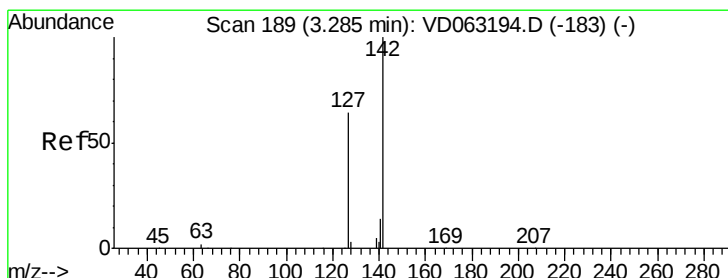
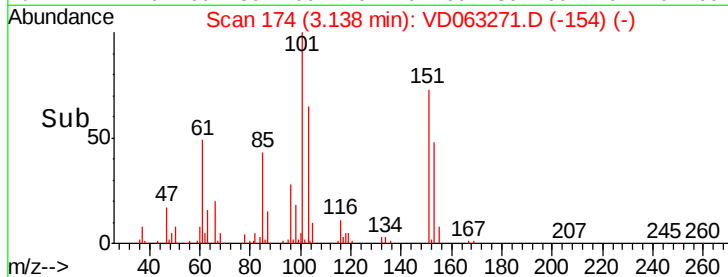
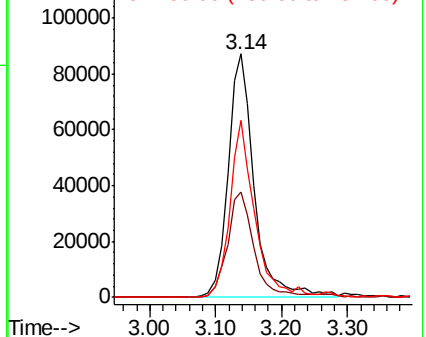
101 100

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

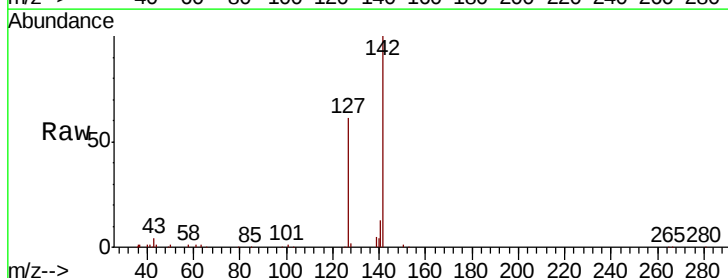
Tgt Ion:142 Resp: 312209

Ion Ratio Lower Upper

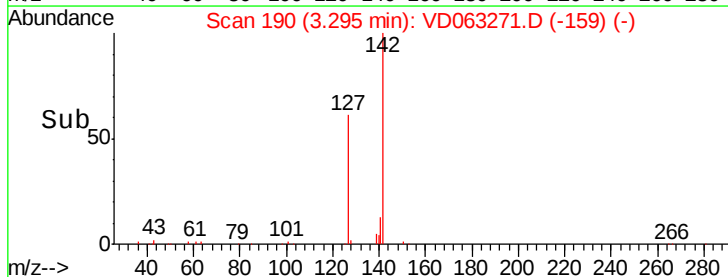
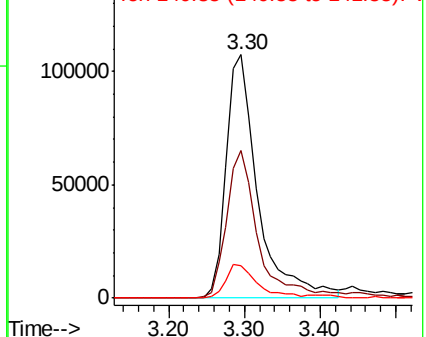
142 100

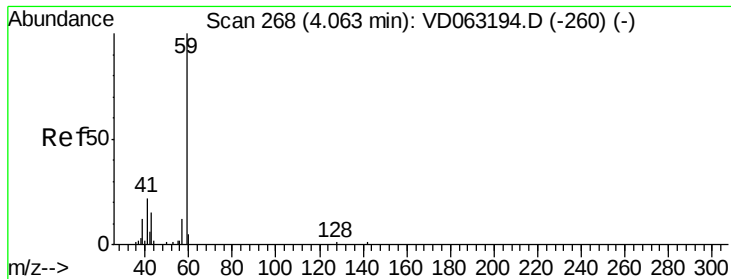
127 60.8 50.8 76.2

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



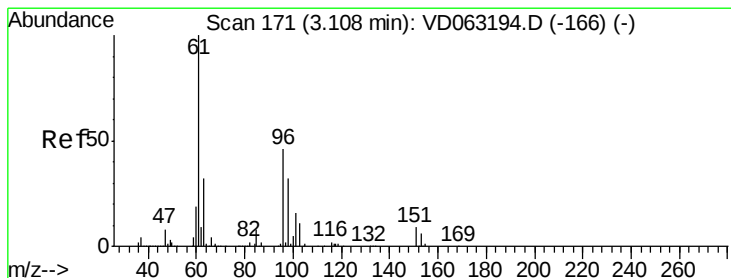
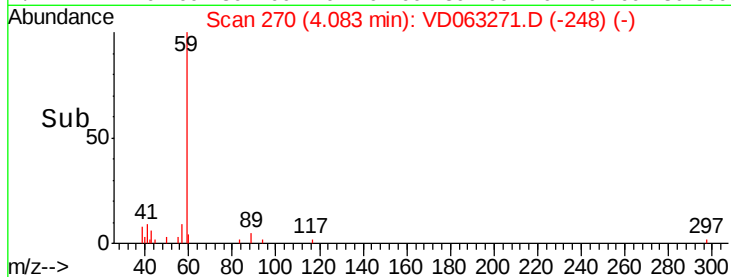
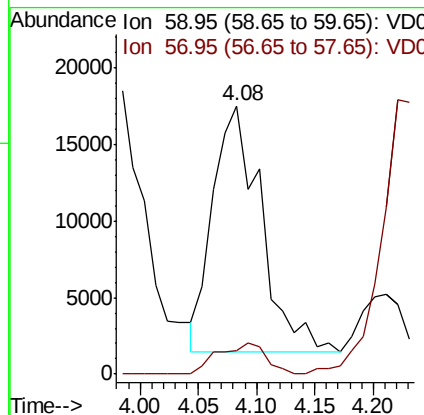
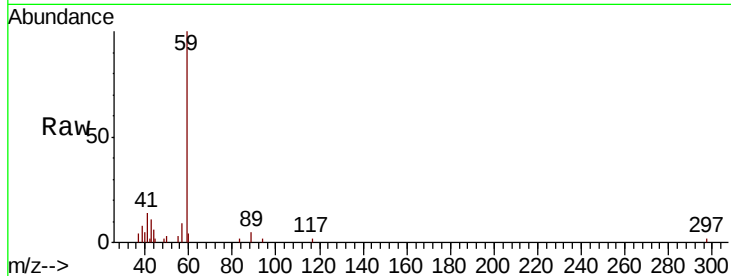


#11

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 :
 VD0731SBS01

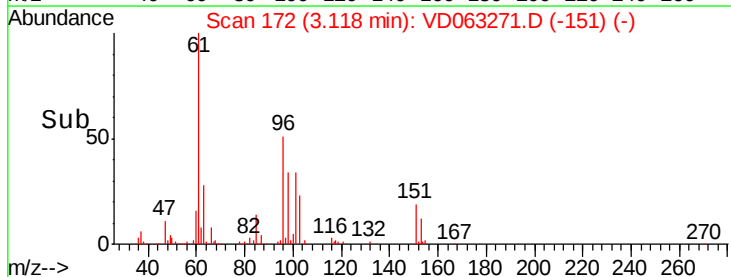
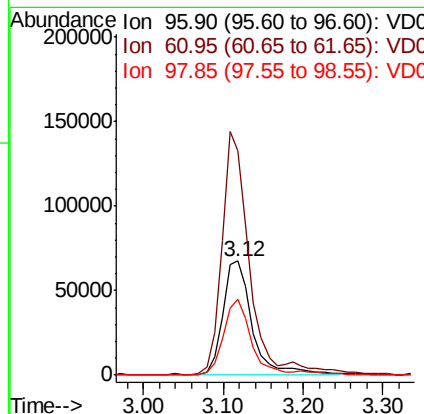
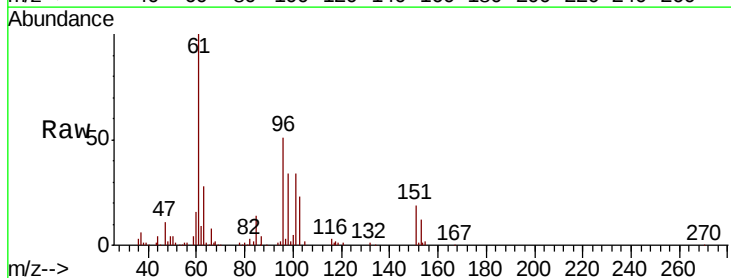
Tot Ion: 59 Resp: 45992
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.6 14.4#

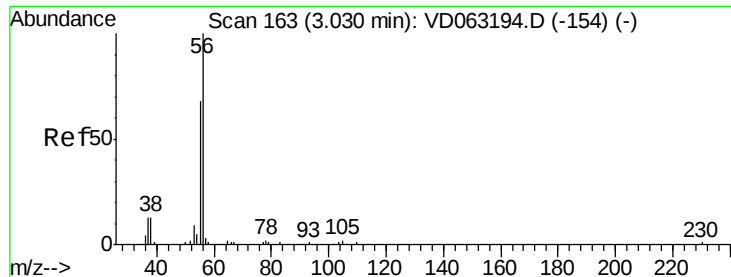


#12

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 :

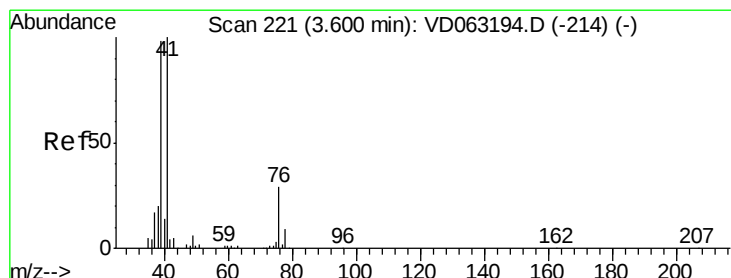
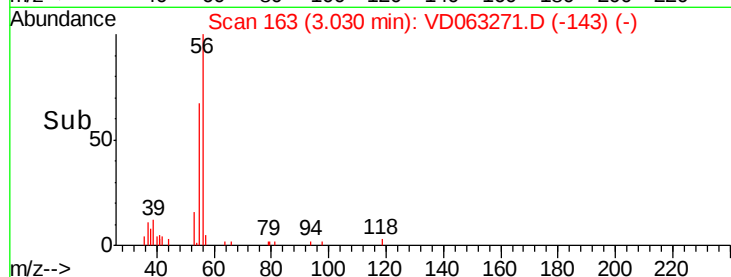
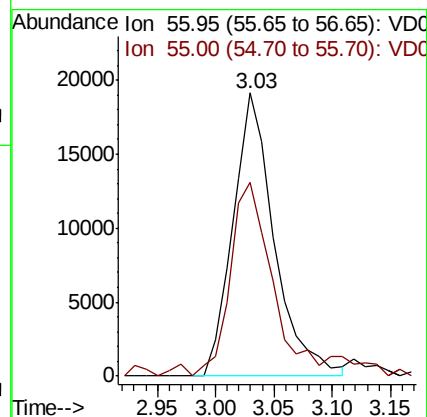
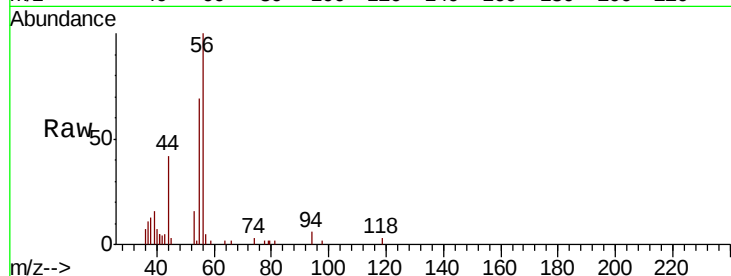
VD0731SBS01

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

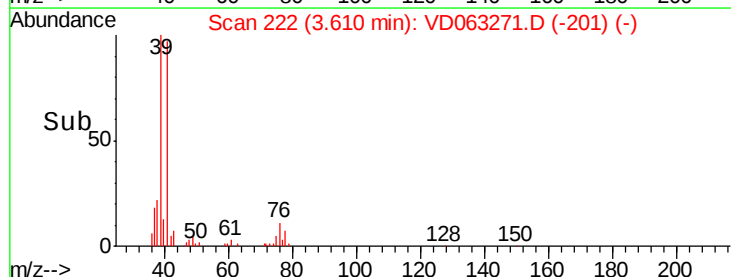
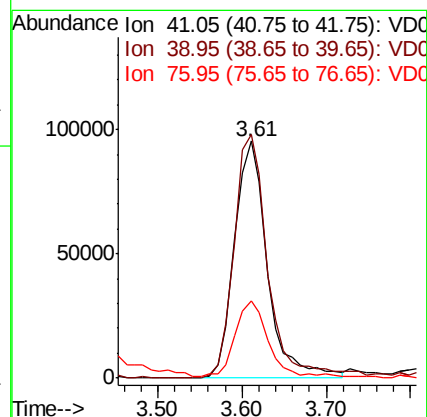
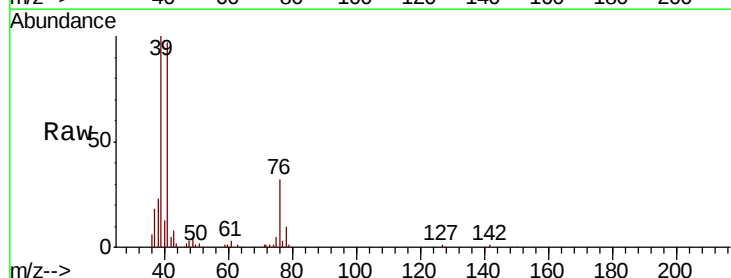
Tgt Ion: 41 Resp: 260216

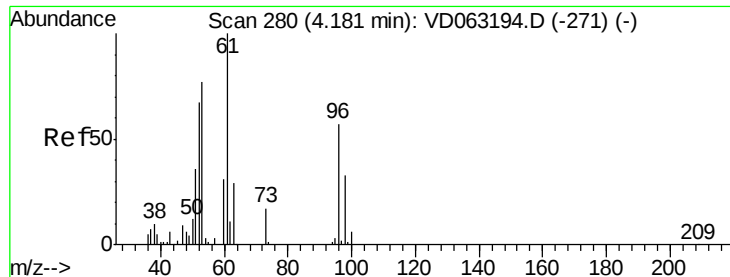
Ion Ratio Lower Upper

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 :

VD0731SBS01

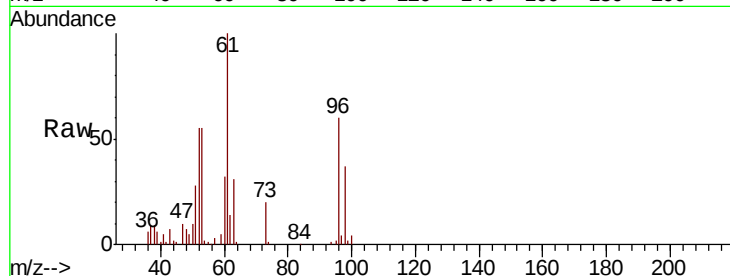
Tot Ion: 53 Resp: 131007

Ion Ratio Lower Upper

53 100

52 100.3 69.7 104.5

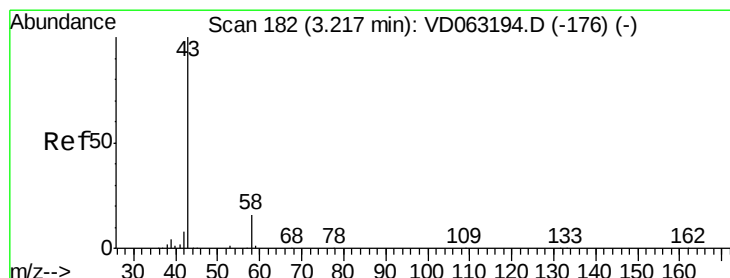
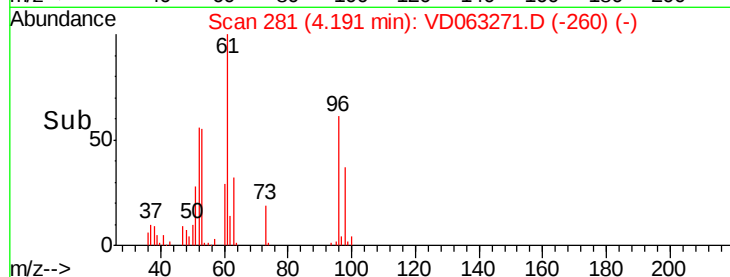
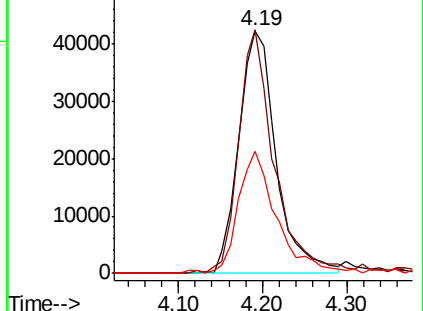
51 50.3 37.4 56.0



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

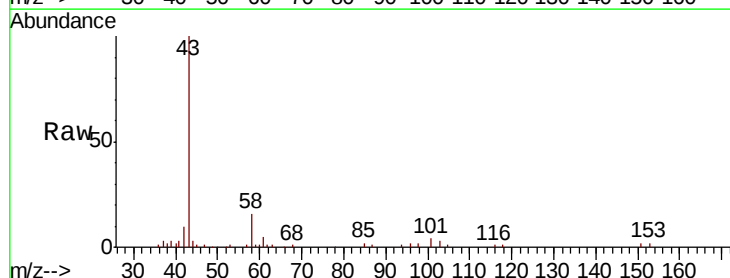
Acq: 31 Jul 2019 11:43

Tgt Ion: 43 Resp: 223791

Ion Ratio Lower Upper

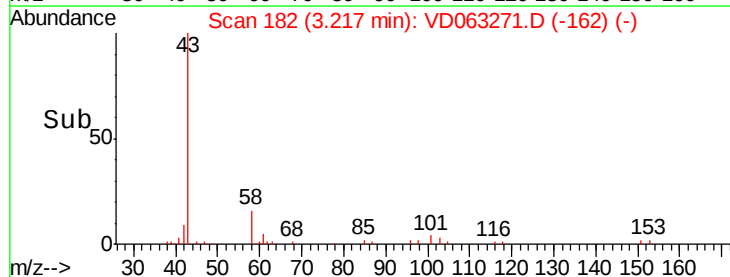
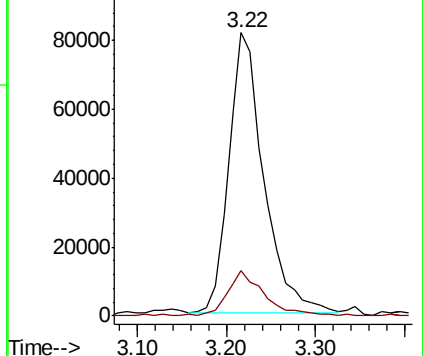
43 100

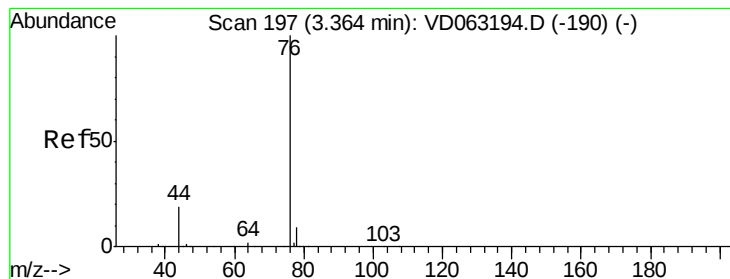
58 16.2 13.0 19.4



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 :

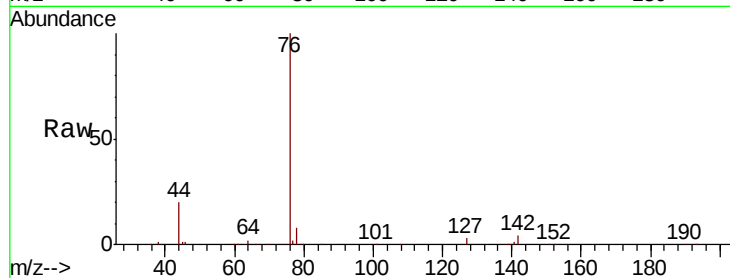
VD0731SBS01

Tot Ion: 76 Resp: 577895

Ion Ratio Lower Upper

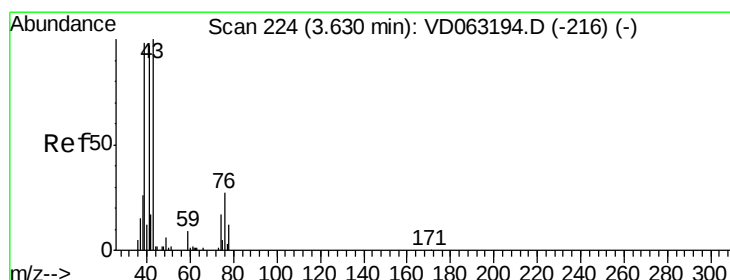
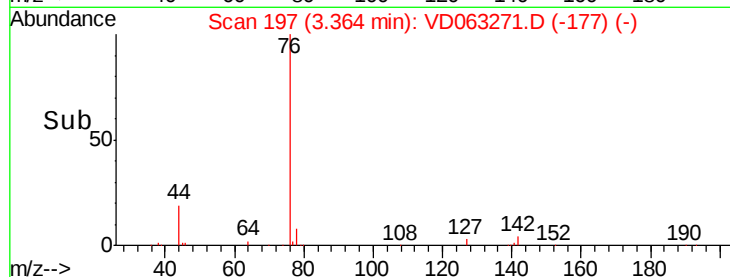
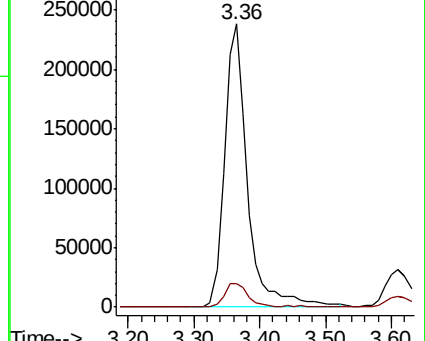
76 100

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

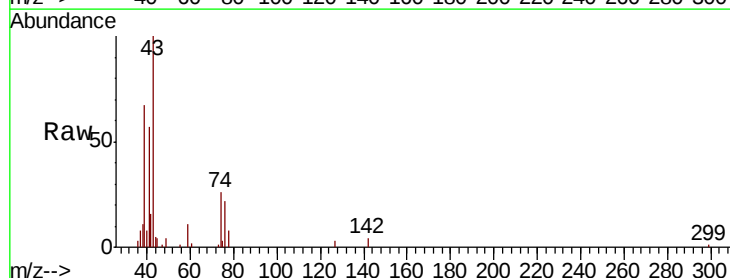
Acq: 31 Jul 2019 11:43

Tgt Ion: 43 Resp: 91495

Ion Ratio Lower Upper

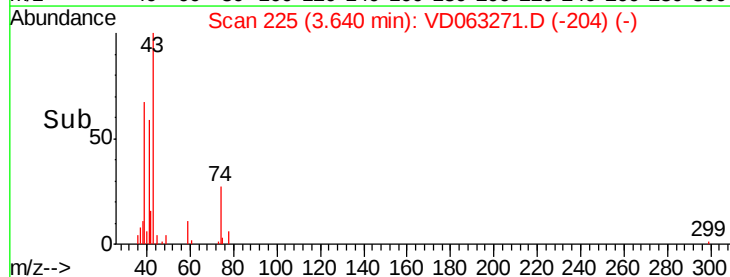
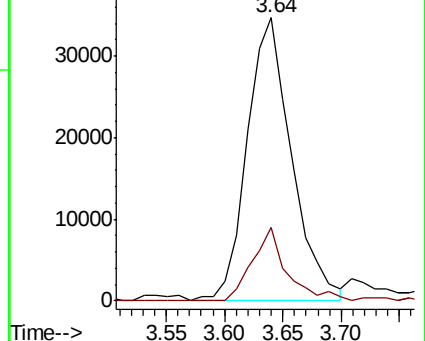
43 100

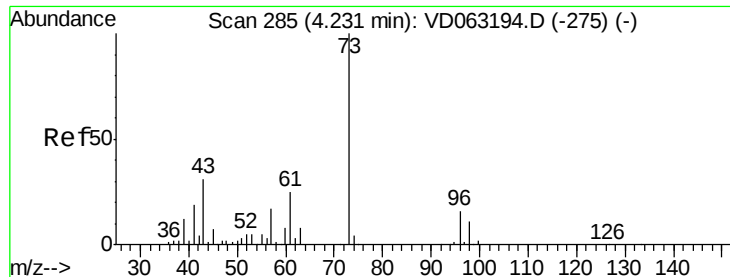
74 26.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

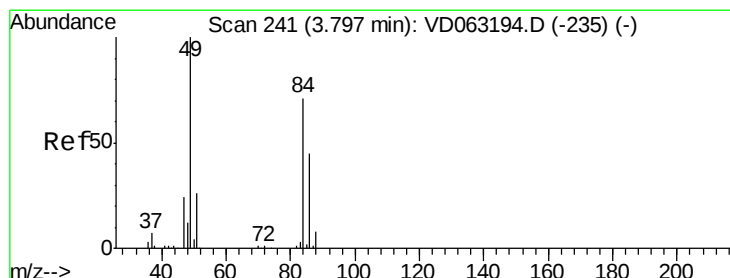
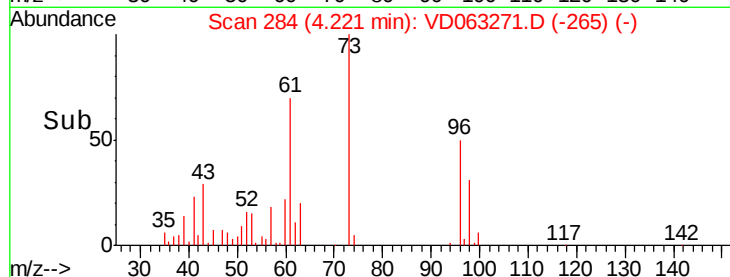
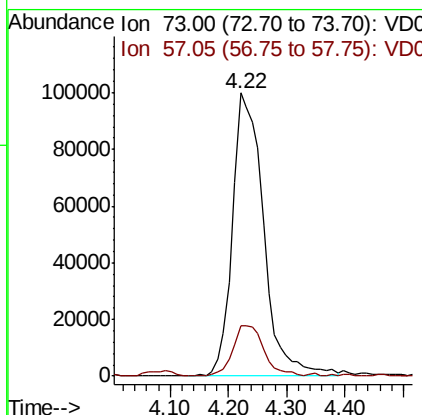
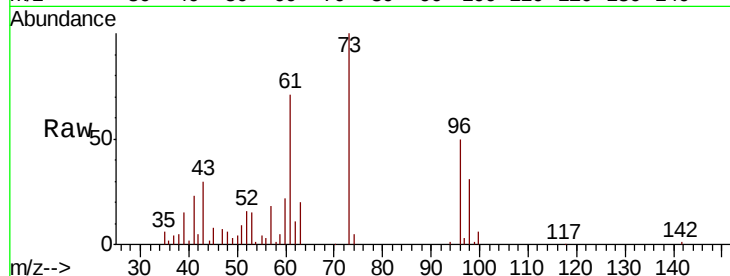




#19
Methvl tert-butvl Ether
Concen: 18.865 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

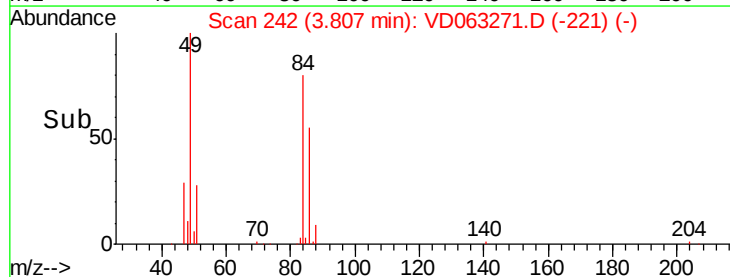
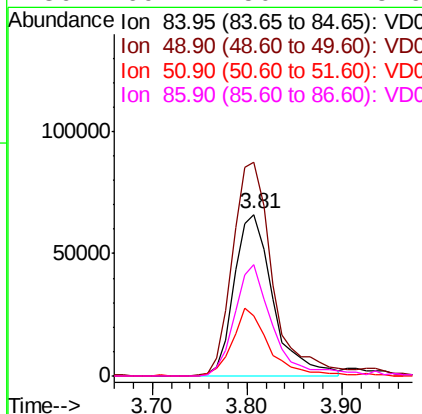
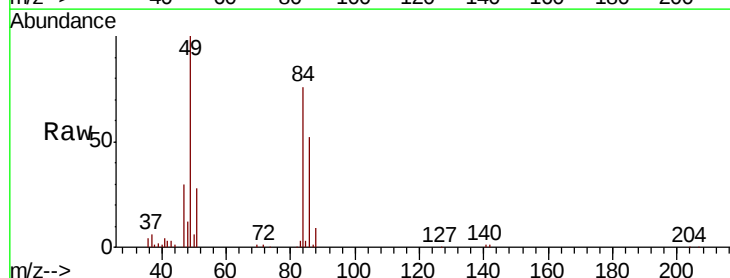
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

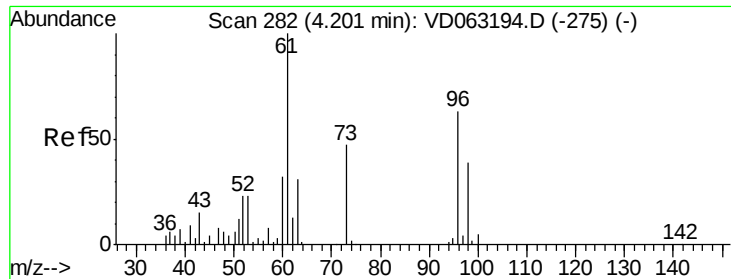
Tot Ion: 73 Resp: 372688
Ion Ratio Lower Upper
73 100
57 17.9 13.8 20.6



#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 :

VD0731SBS01

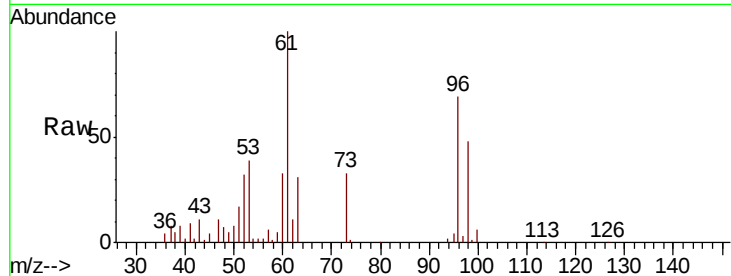
Tot Ion: 96 Resp: 204481

Ion Ratio Lower Upper

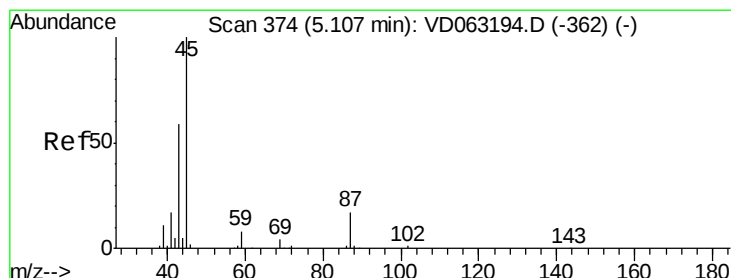
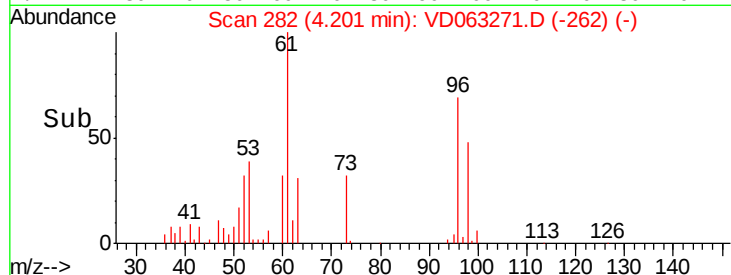
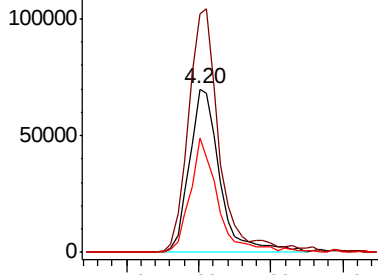
96 100

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

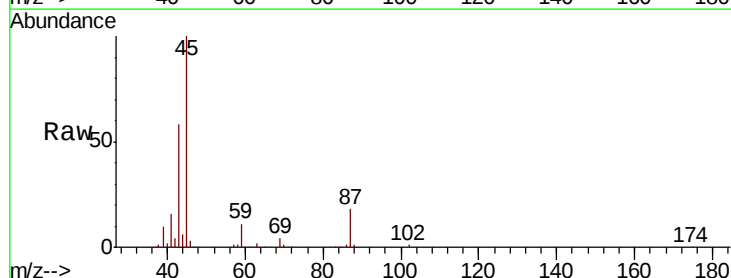
Ion Ratio Lower Upper

45 100

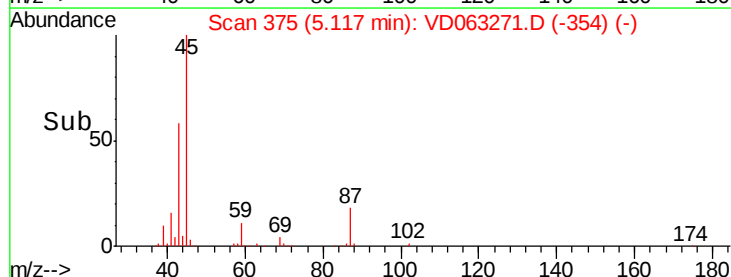
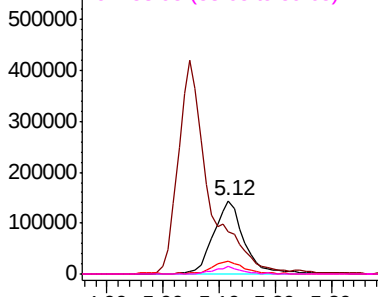
43 57.6 51.7 77.5

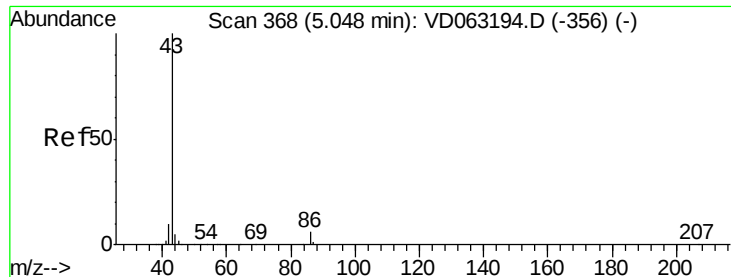
87 18.2 14.6 21.8

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 :

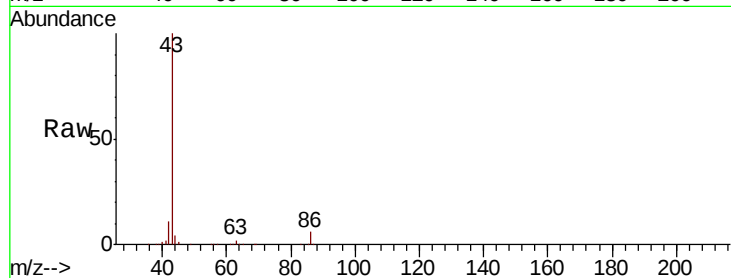
VD0731SBS01

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

500000

400000

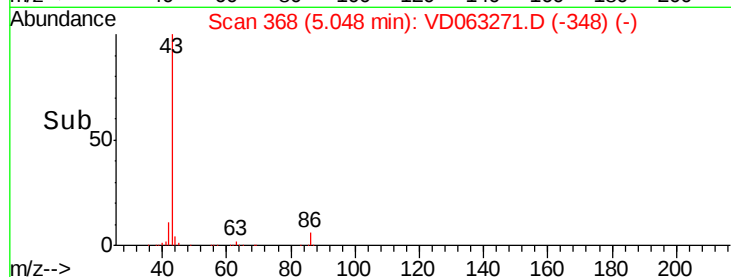
300000

200000

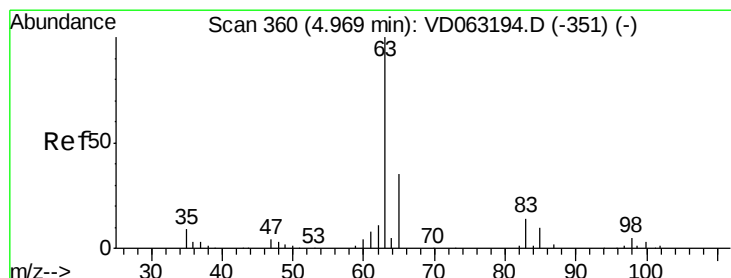
100000

0

Time-->



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

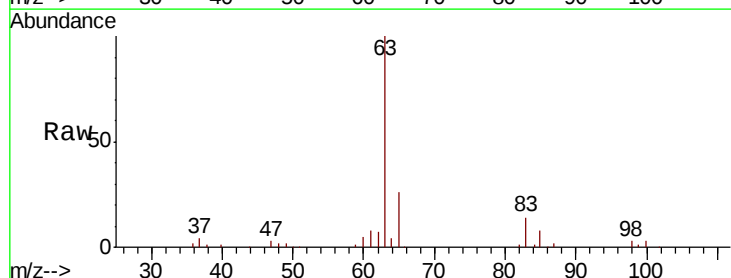
Tgt Ion: 63 Resp: 333387

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

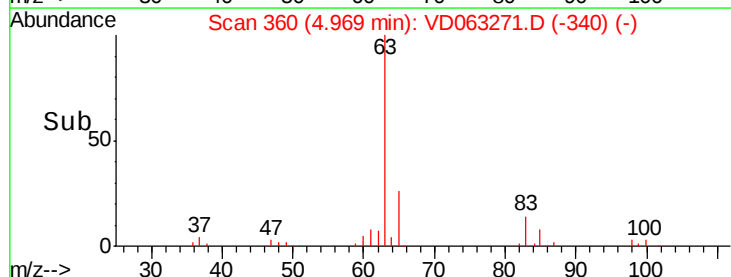
Ion 99.95 (99.65 to 100.65): VDC

100000

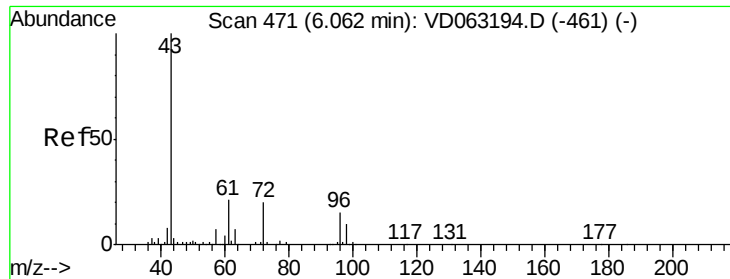
50000

0

Time-->



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

ClientSampleId :

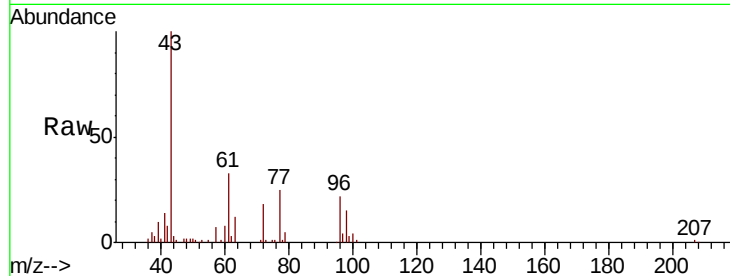
VD0731SBSD01

Tot Ion: 43 Resp: 224509

Ion Ratio Lower Upper

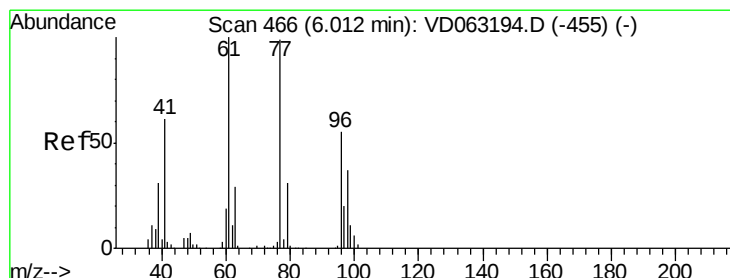
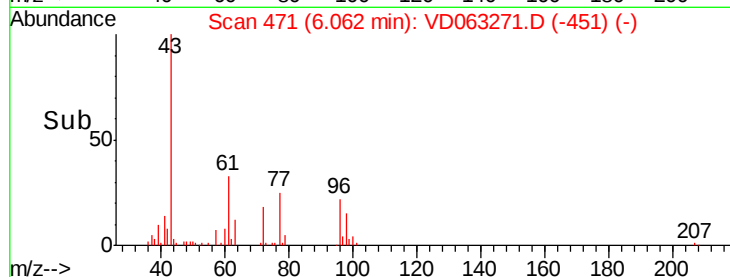
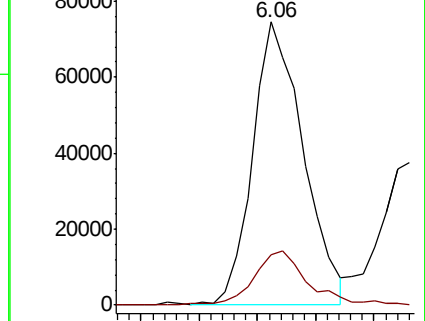
43 100

72 18.0 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#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

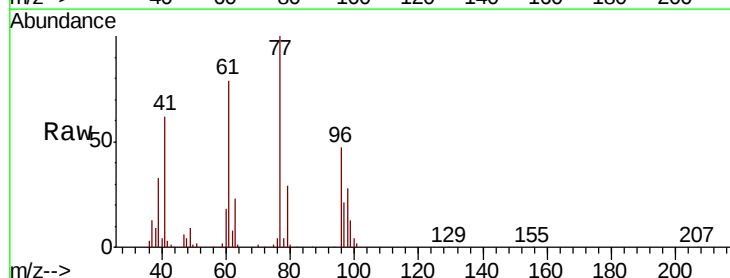
Acq: 31 Jul 2019 11:43

Tgt Ion: 77 Resp: 355827

Ion Ratio Lower Upper

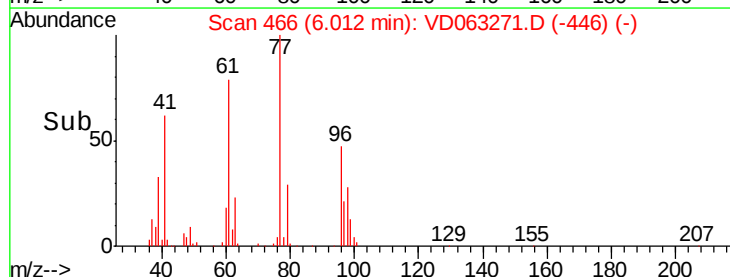
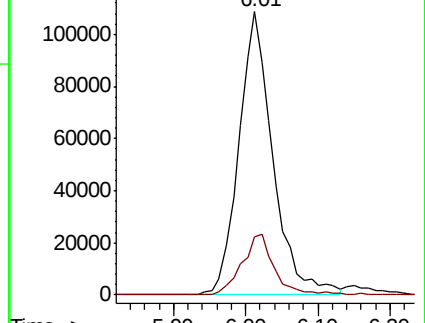
77 100

97 20.5 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



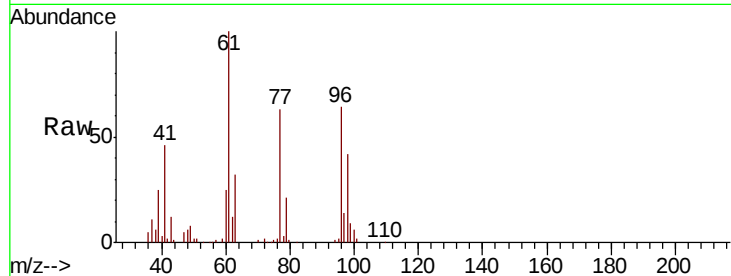


#27

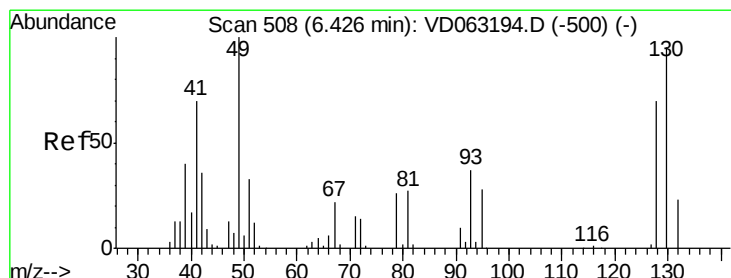
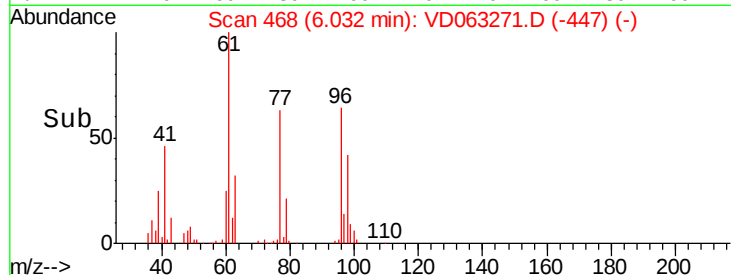
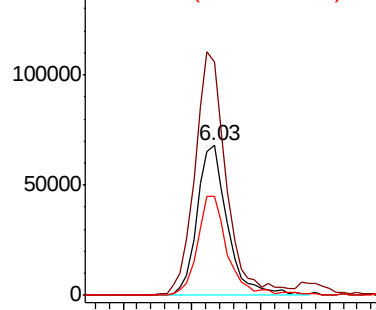
cis-1,2-Dichloroethene
Concen: 19.818 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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



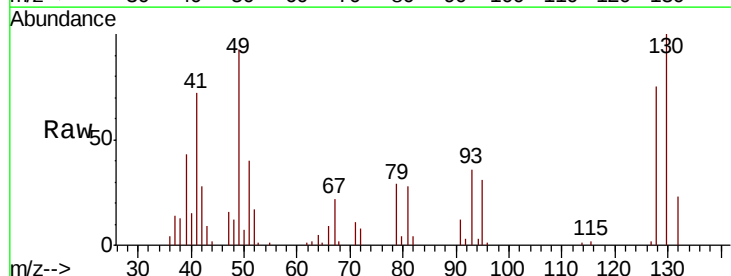
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



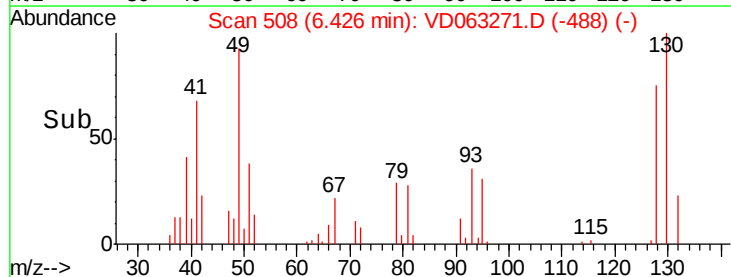
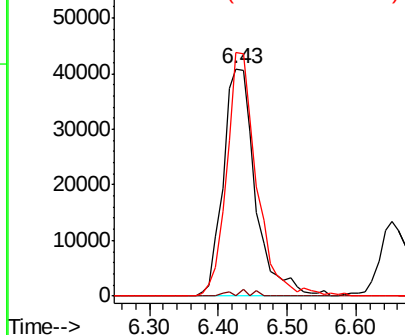
#28

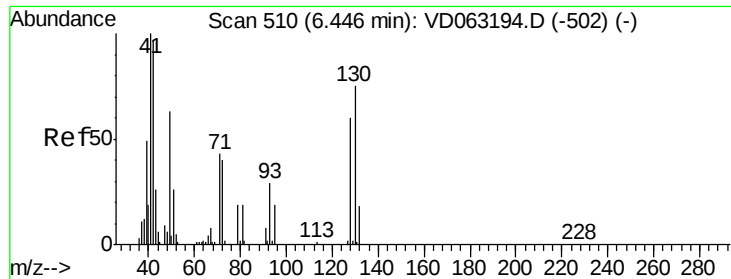
Bromochloromethane
Concen: 18.738 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

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 :

VD0731SBSD01

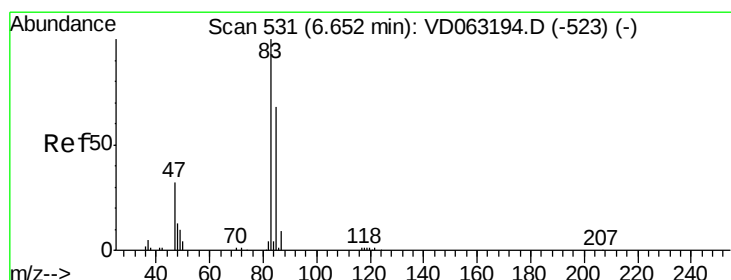
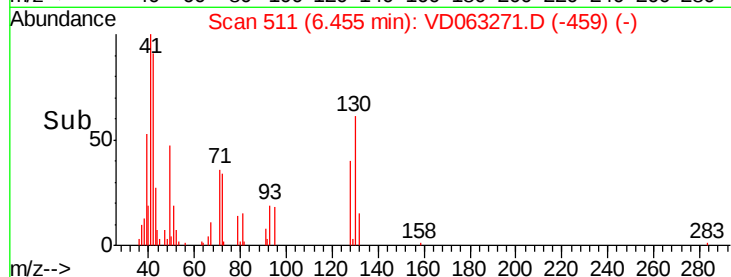
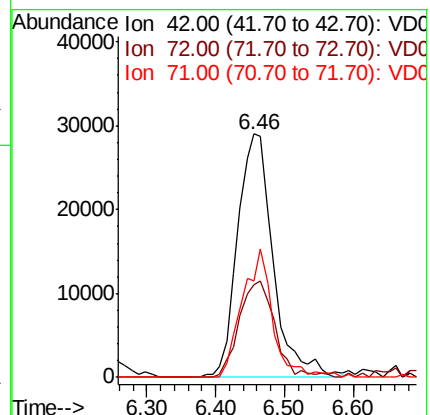
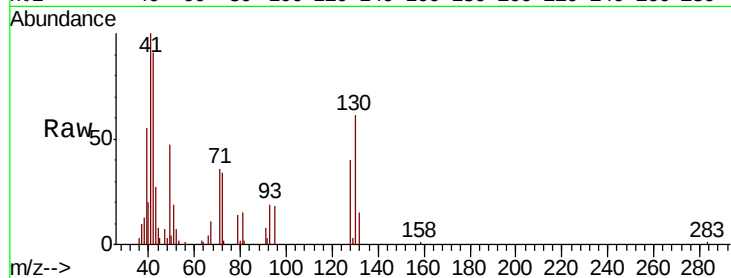
Tot Ion: 42 Resp: 104221

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

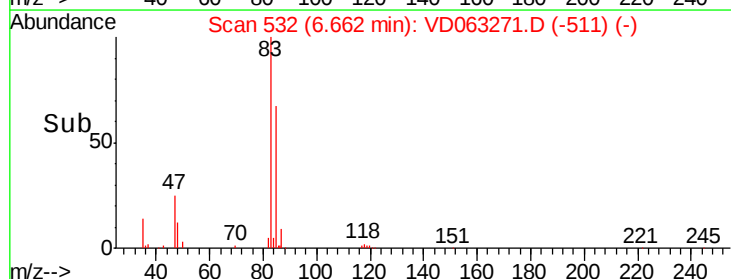
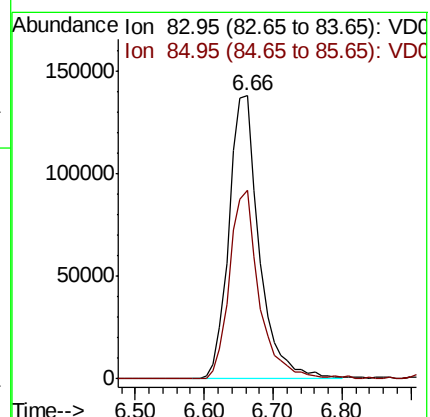
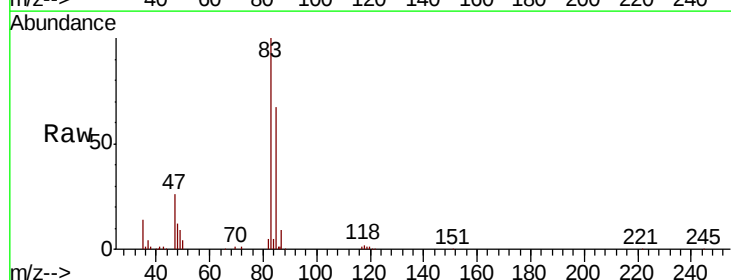
Acq: 31 Jul 2019 11:43

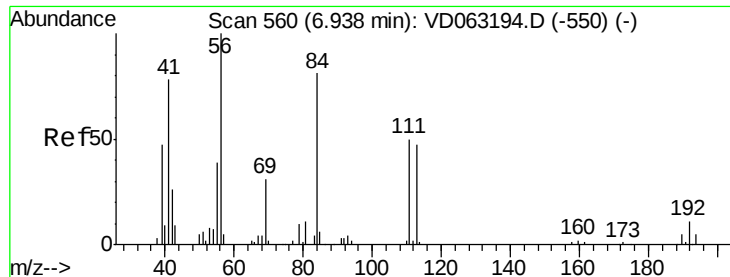
Tgt Ion: 83 Resp: 422072

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 :

VD0731SBS01

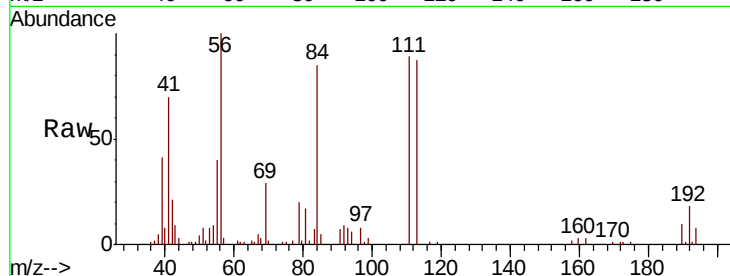
Tot Ion: 56 Resp: 224302

Ion Ratio Lower Upper

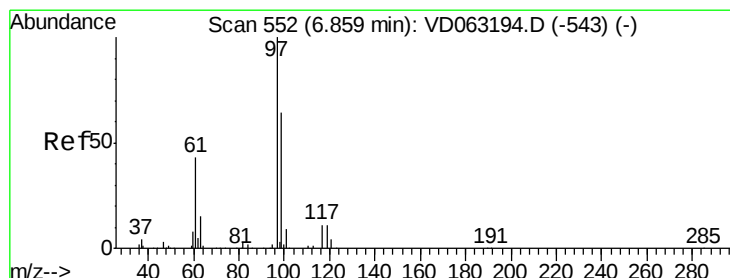
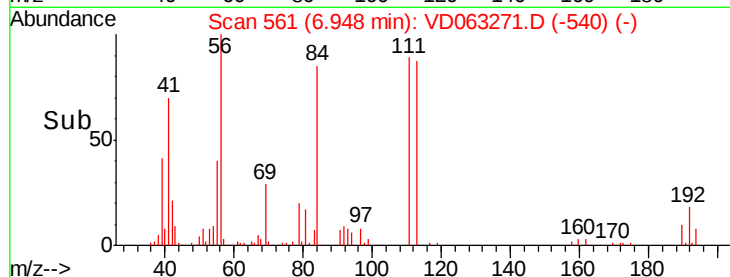
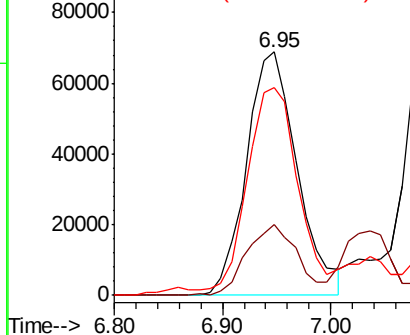
56 100

69 29.1 24.5 36.7

84 85.2 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#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

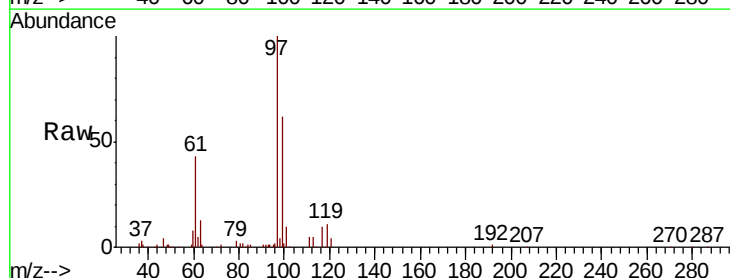
Tgt Ion: 97 Resp: 415887

Ion Ratio Lower Upper

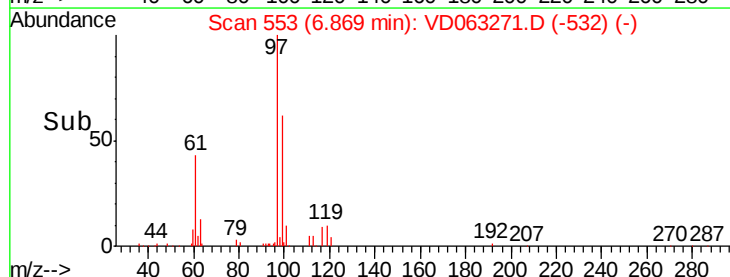
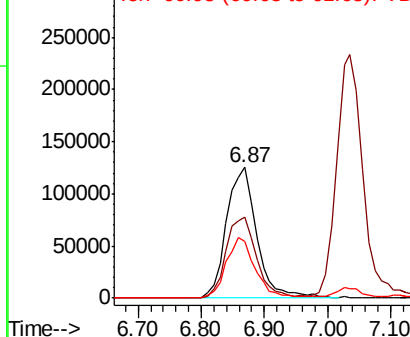
97 100

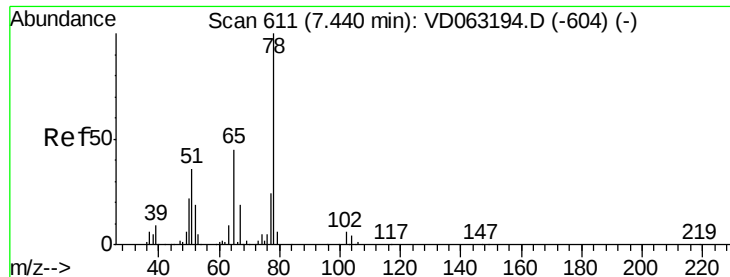
99 62.0 51.2 76.8

61 43.4 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

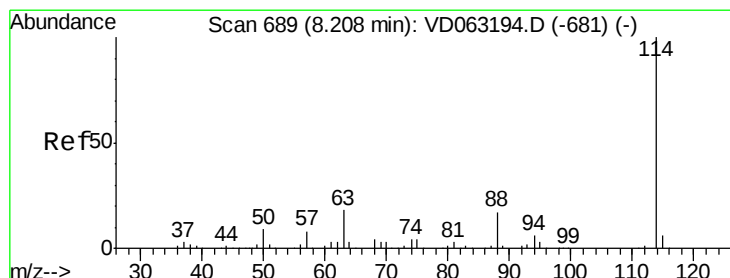
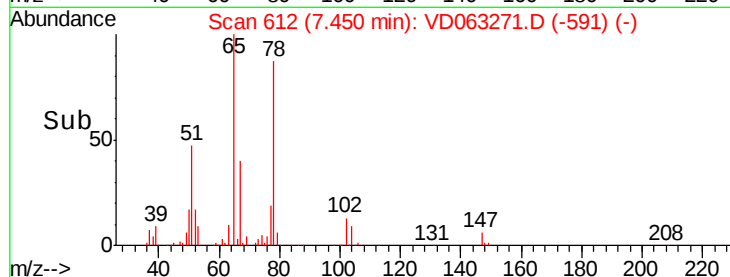
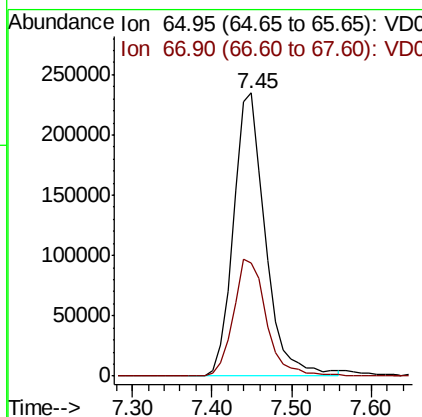
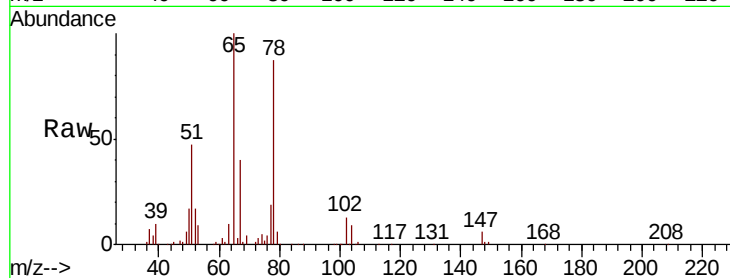




#33
 1,2-Dichloroethane-d4
 Concen: 52.050 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

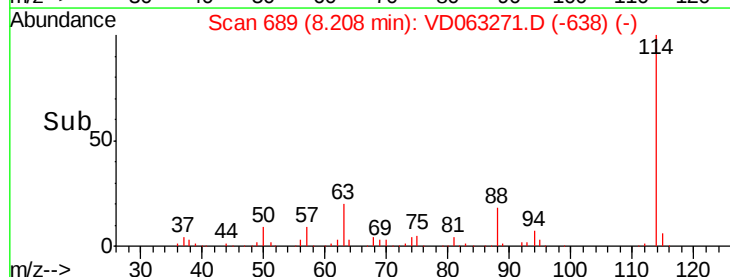
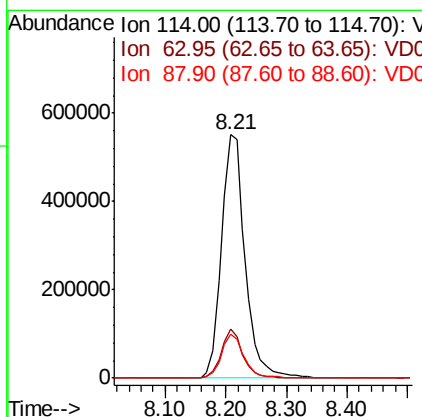
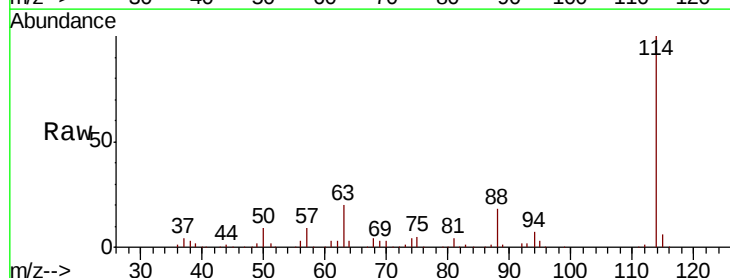
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

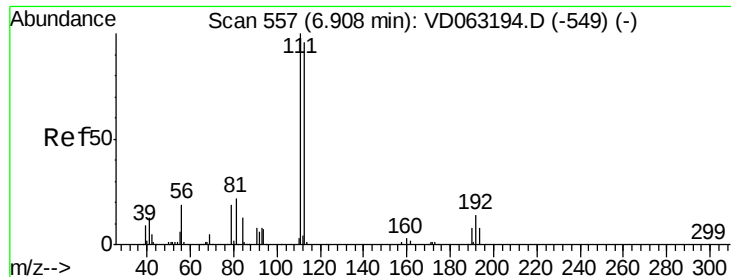
Tot Ion: 65 Resp: 651204
 Ion Ratio Lower Upper
 65 100
 67 39.8 0.0 85.8



#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





#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 :

VD0731SBSD01

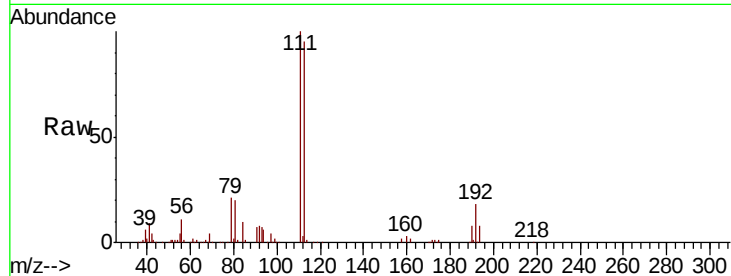
Tot Ion:113 Resp: 726642

Ion Ratio Lower Upper

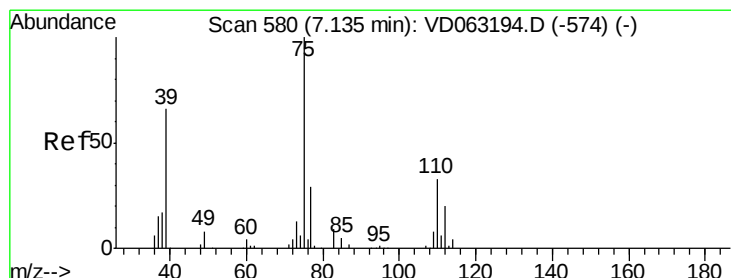
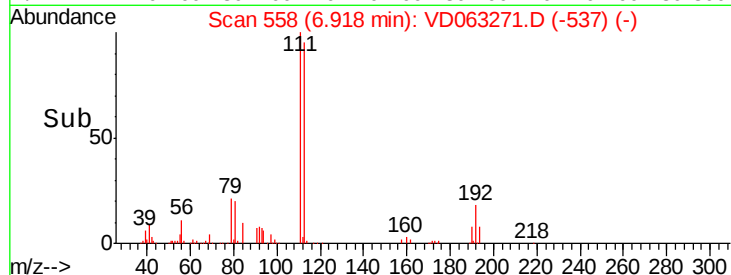
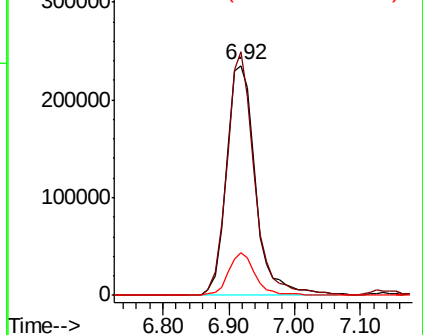
113 100

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

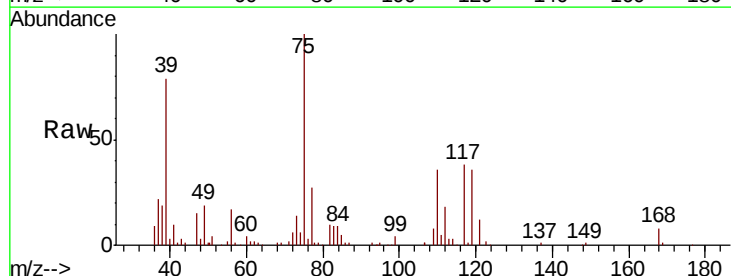
Tgt Ion: 75 Resp: 283906

Ion Ratio Lower Upper

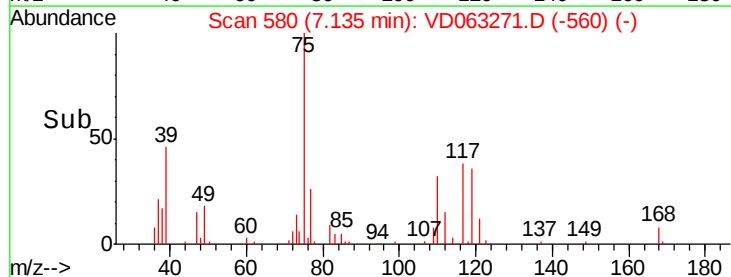
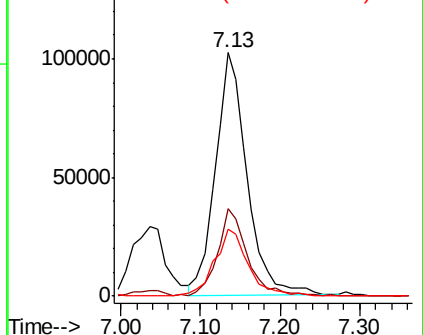
75 100

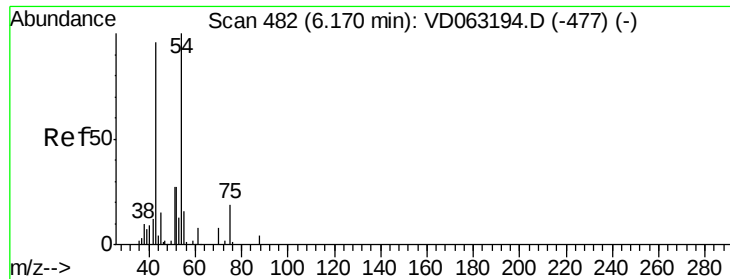
110 35.8 16.1 48.2

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 :

VD0731SBS01

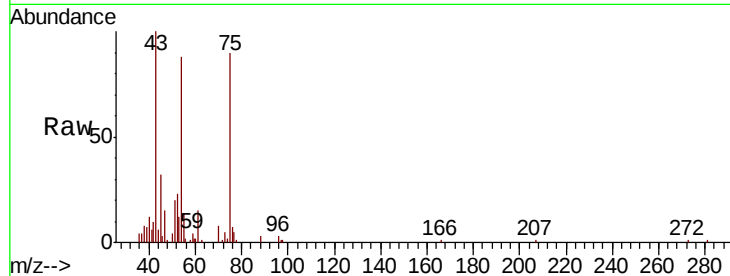
Tot Ion: 43 Resp: 121171

Ion Ratio Lower Upper

43 100

61 14.6 11.3 16.9

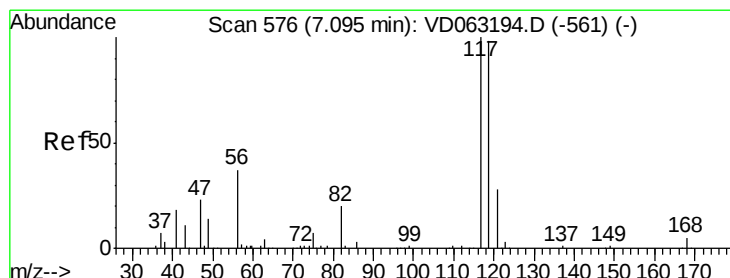
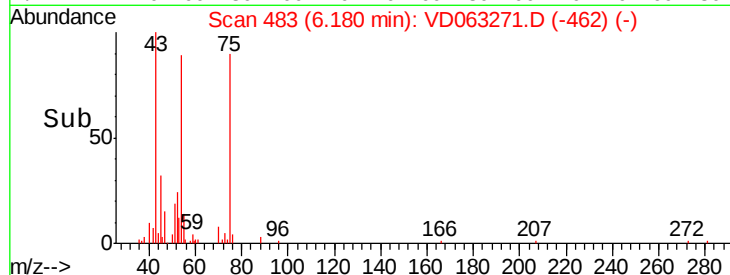
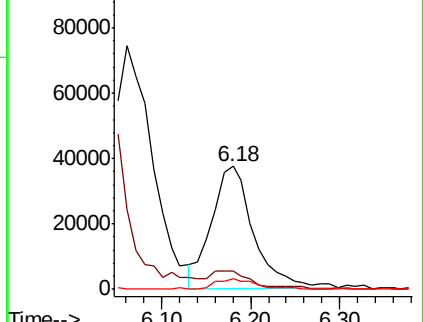
70 8.2 5.1 7.7#



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

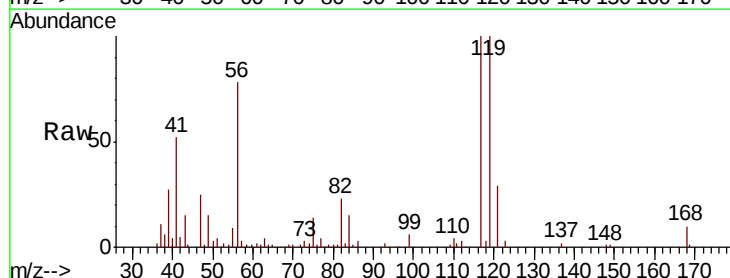
Tgt Ion: 117 Resp: 410863

Ion Ratio Lower Upper

117 100

119 99.8 78.2 117.2

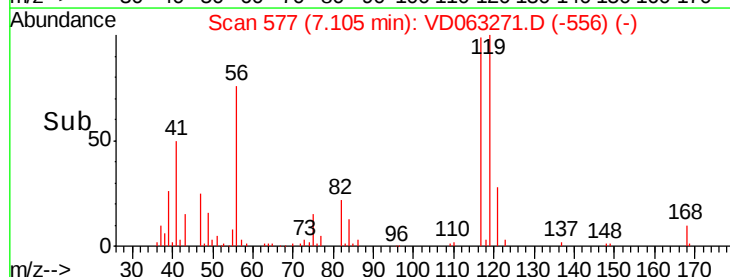
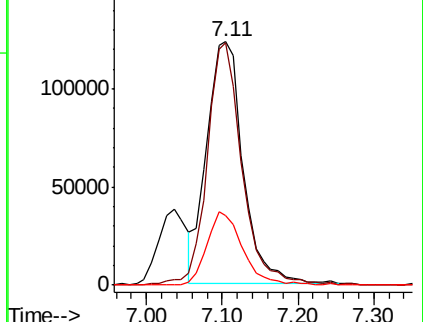
121 28.7 22.1 33.1

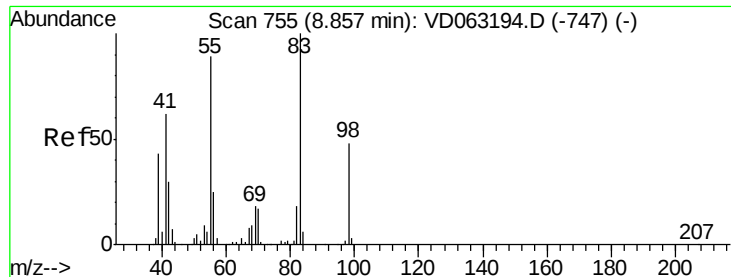


Abundance Ion 116.85 (116.55 to 117.55): V

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

ClientSampleId :

VD0731SBS01

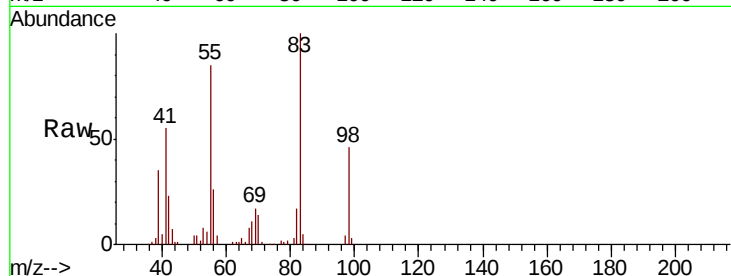
Tot Ion: 83 Resp: 245090

Ion Ratio Lower Upper

83 100

55 84.6 71.1 106.7

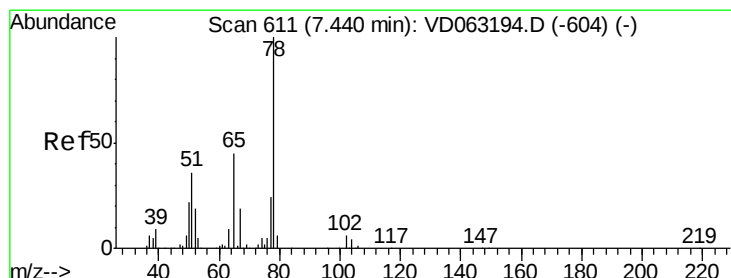
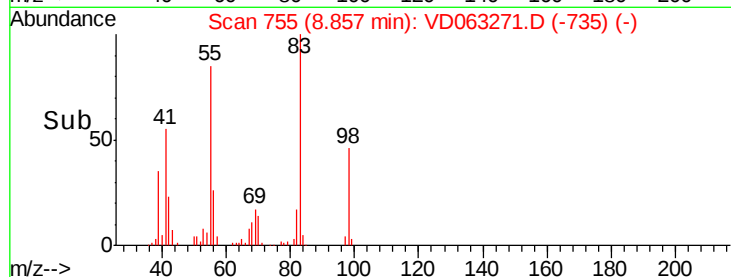
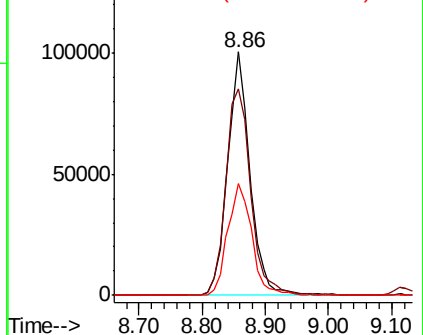
98 45.8 38.5 57.7



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.563 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063271.D

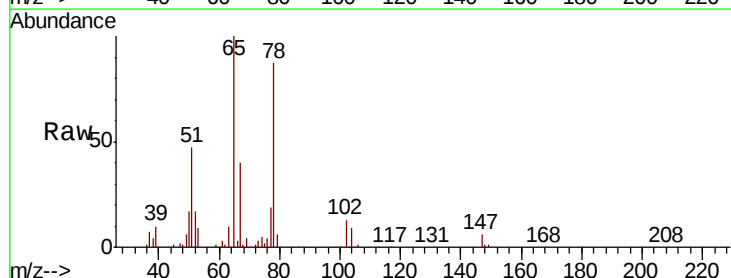
Acq: 31 Jul 2019 11:43

Tgt Ion: 78 Resp: 586903

Ion Ratio Lower Upper

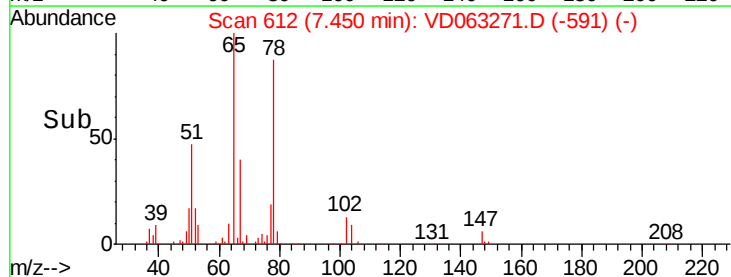
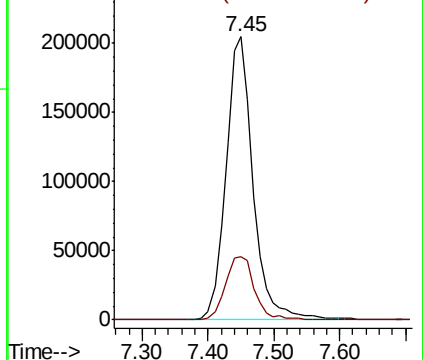
78 100

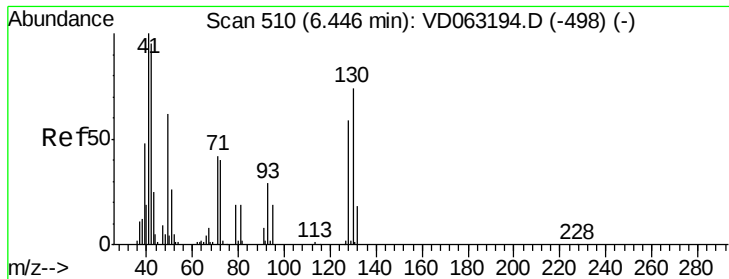
77 22.2 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

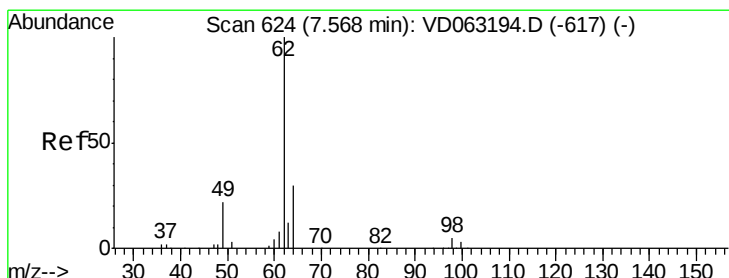
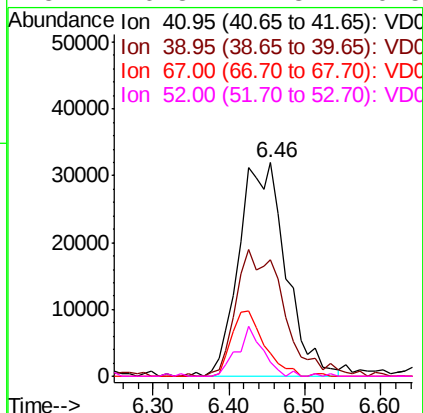
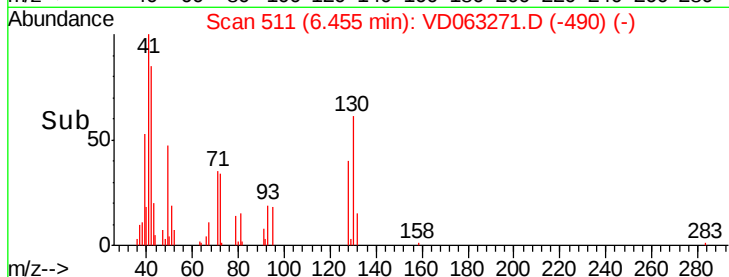
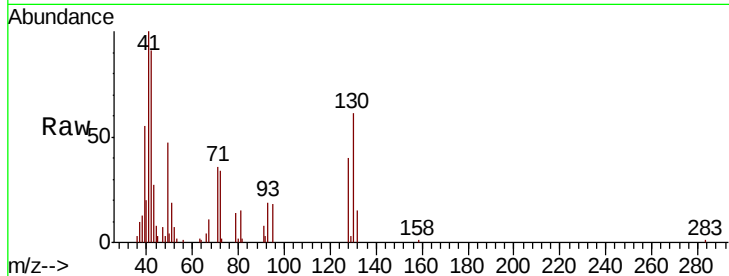




#41
Methacrylonitrile
Concen: 18.774 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

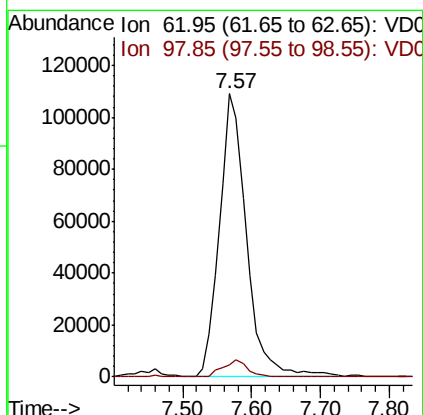
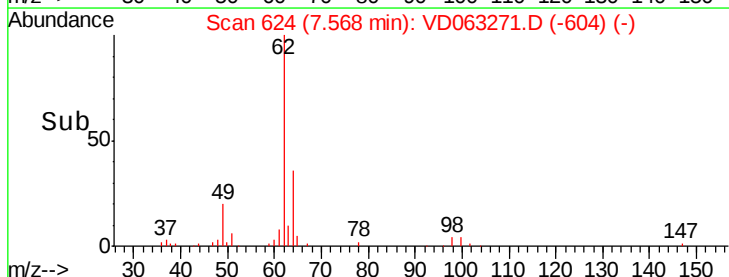
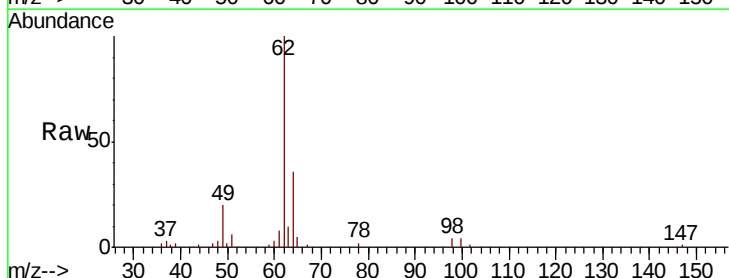
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

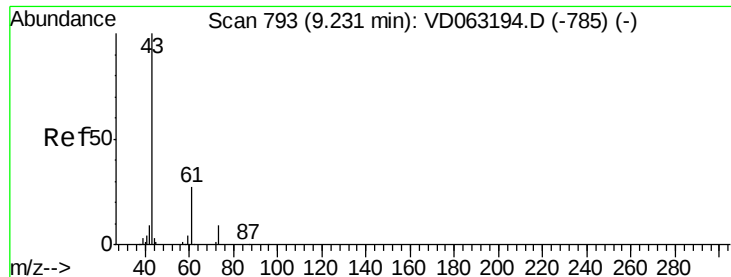
Tot Ion: 41 Resp: 137399
Ion Ratio Lower Upper
41 100
39 54.7 38.4 57.6
67 10.7 6.7 10.1#
52 6.8 4.3 6.5#



#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



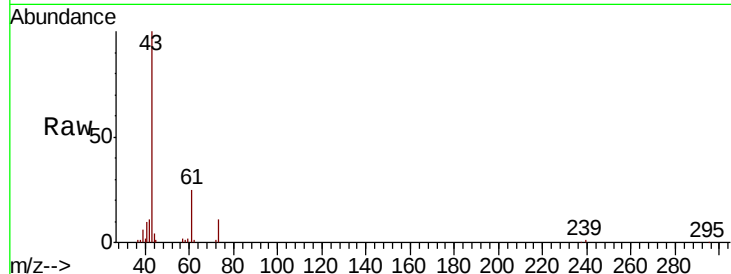


#43

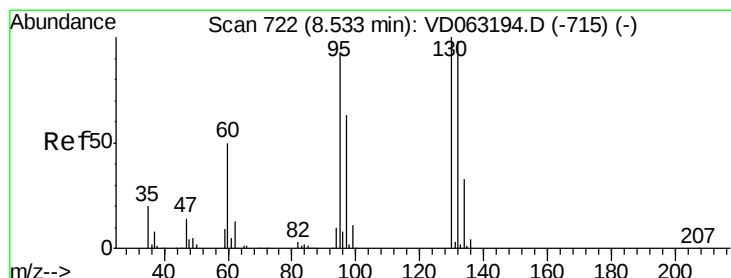
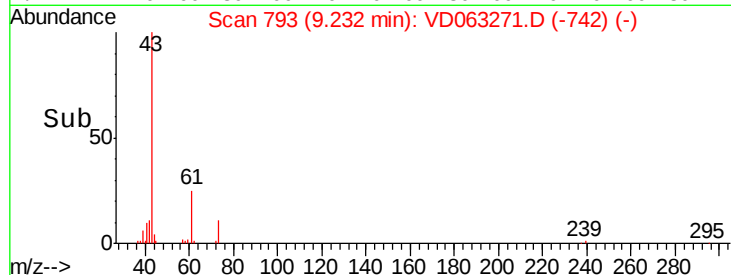
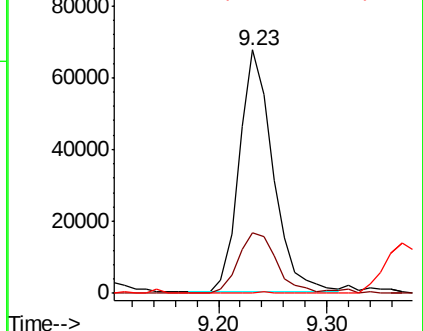
Isopropyl Acetate
 Concen: 18.664 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

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#



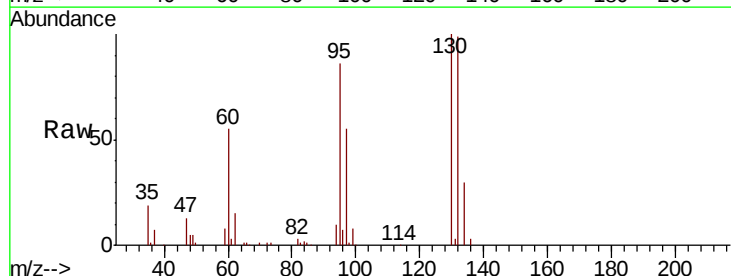
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



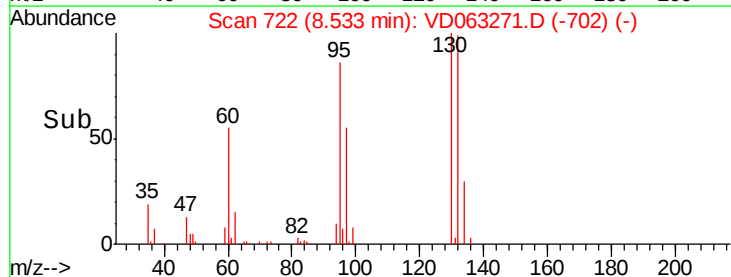
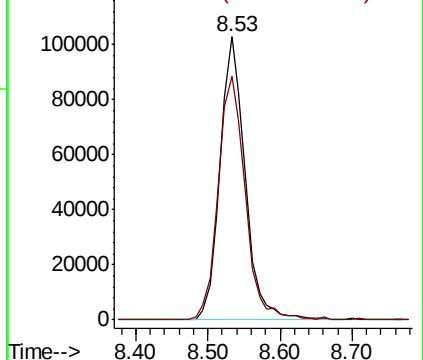
#44

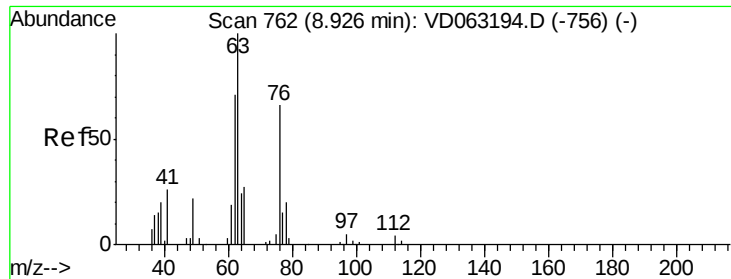
Trichloroethene
 Concen: 21.370 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

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 :

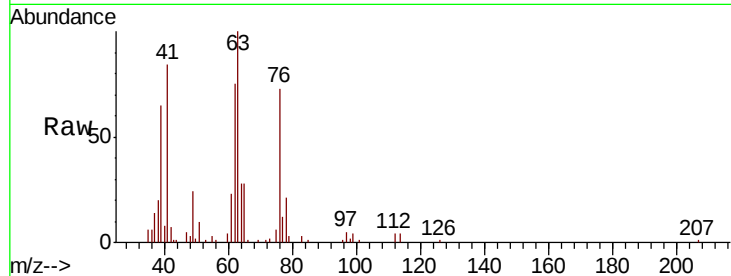
VD0731SBS01

Tot Ion: 63 Resp: 144298

Ion Ratio Lower Upper

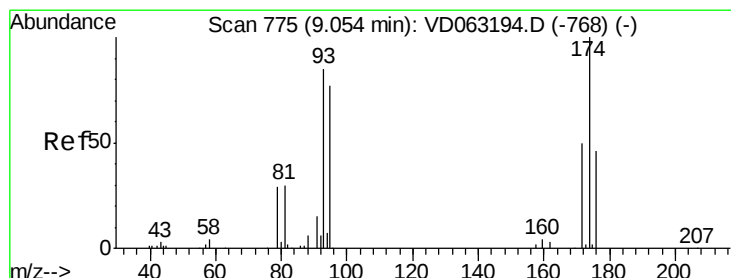
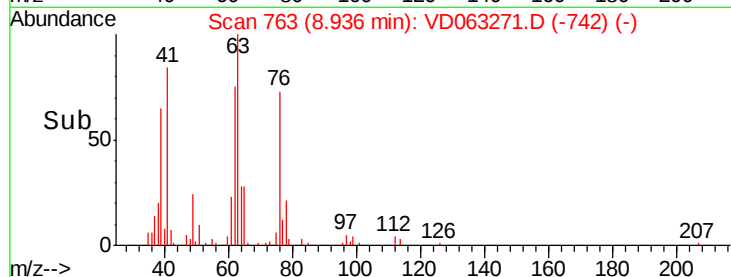
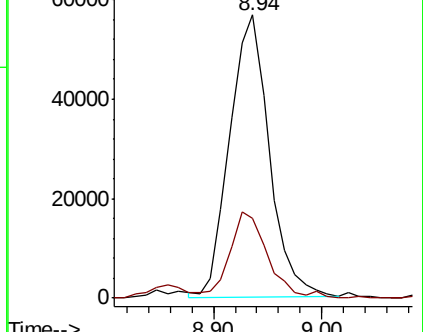
63 100

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

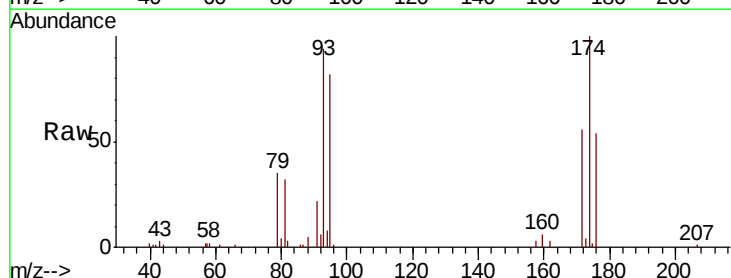
Tgt Ion: 93 Resp: 119710

Ion Ratio Lower Upper

93 100

95 87.0 72.8 109.2

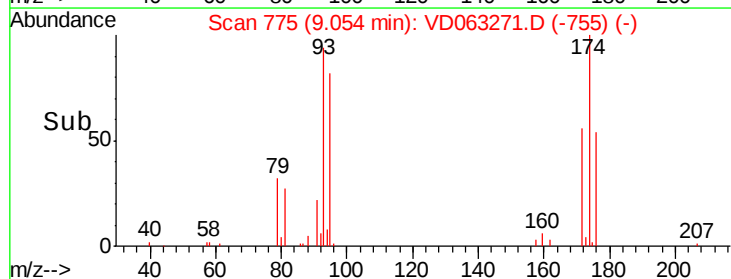
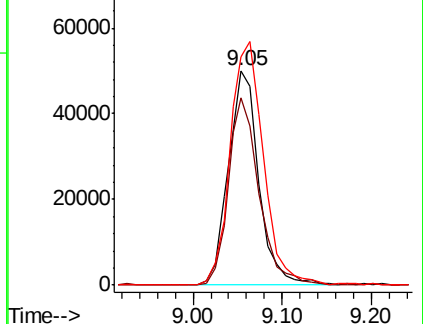
174 106.3 94.4 141.6

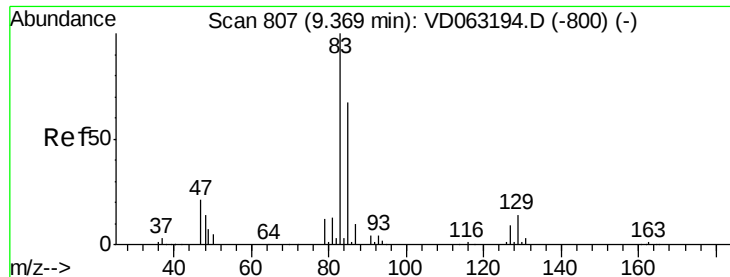


Abundance Ion 92.90 (92.60 to 93.60): VDC

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 :

VD0731SBS01

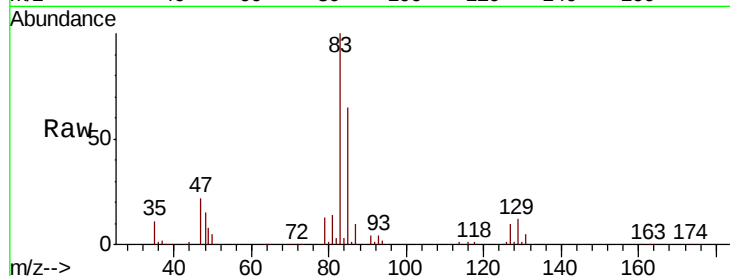
Tot Ion: 83 Resp: 323531

Ion Ratio Lower Upper

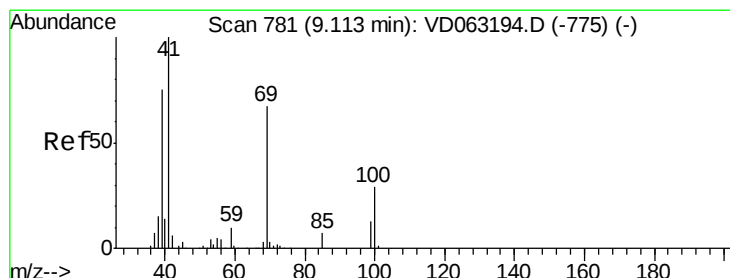
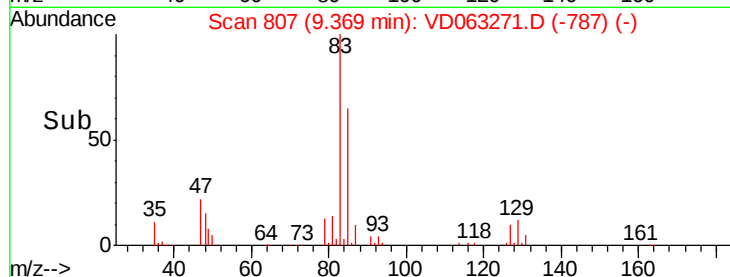
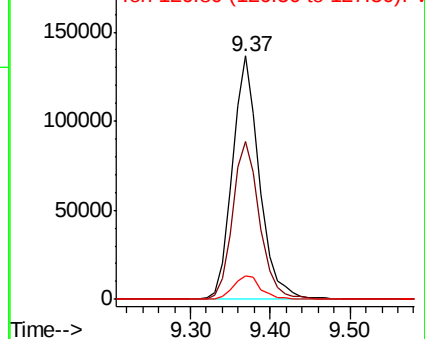
83 100

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

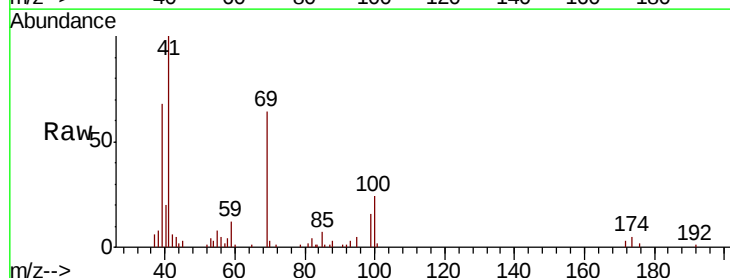
Tgt Ion: 41 Resp: 99898

Ion Ratio Lower Upper

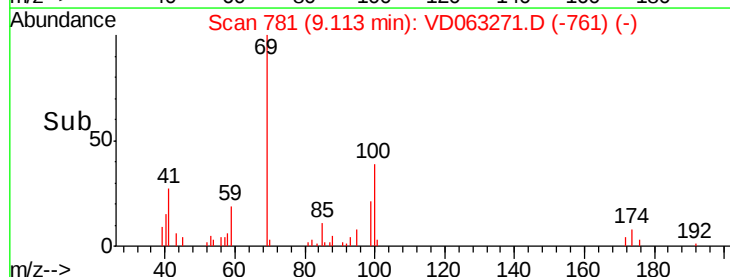
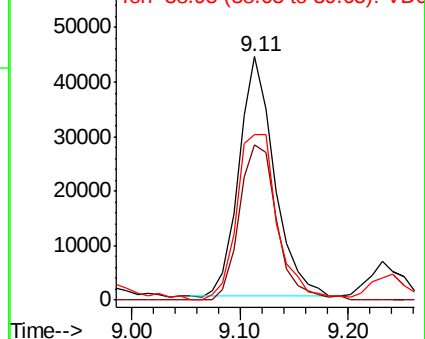
41 100

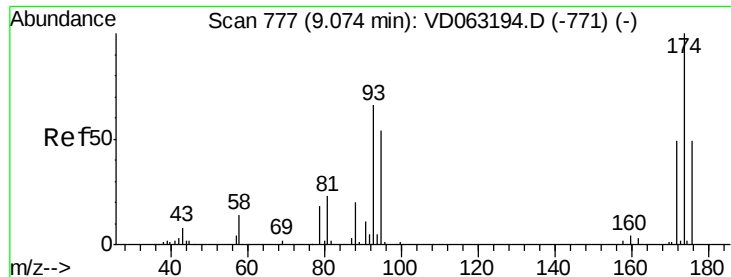
69 63.7 53.4 80.0

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

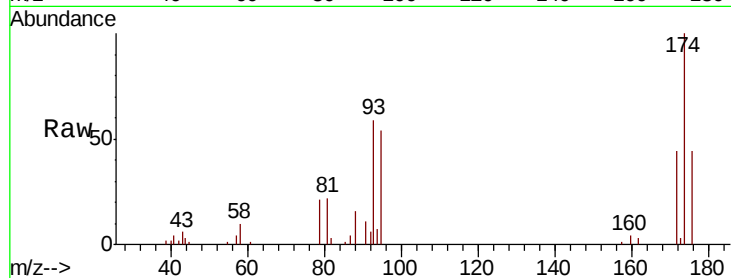




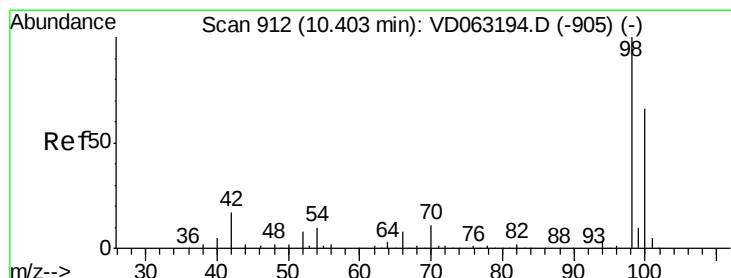
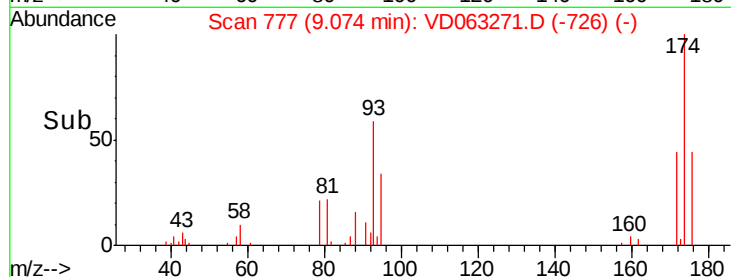
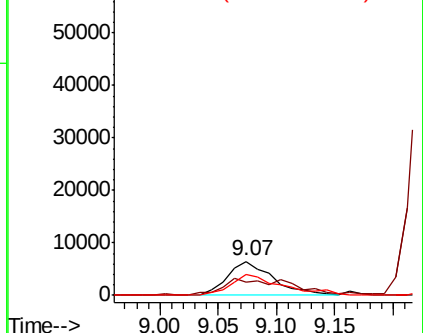
#49
1,4-Dioxane
Concen: 411.101 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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

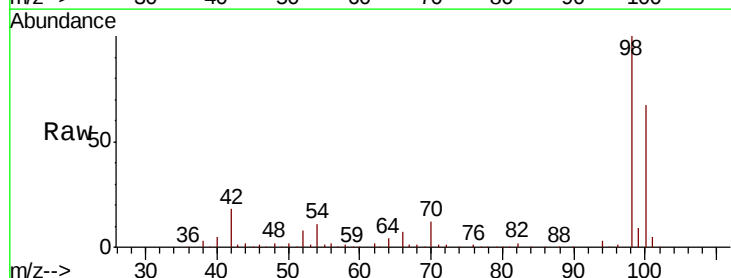


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

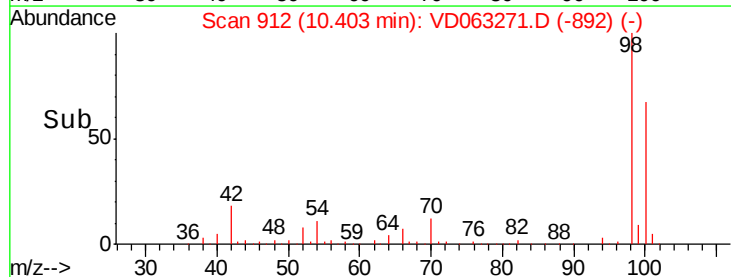
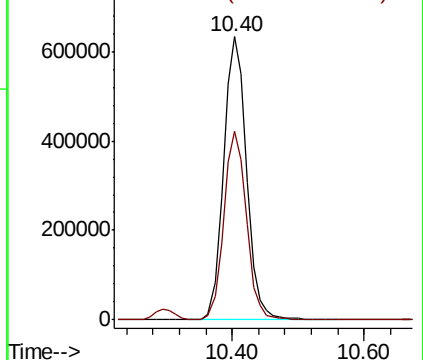


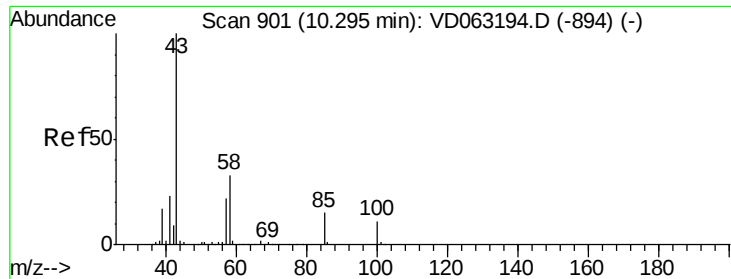
#50
Toluene-d8
Concen: 54.042 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

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

ClientSampleId :

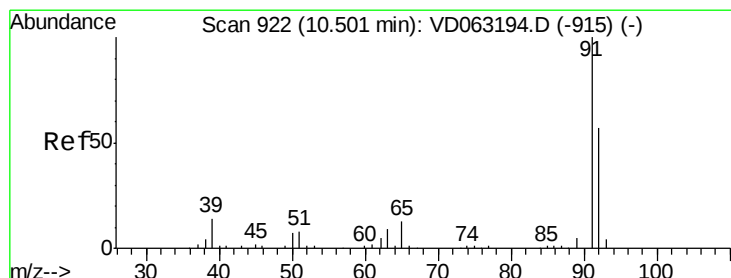
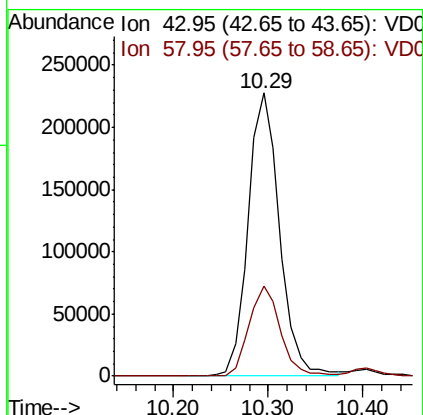
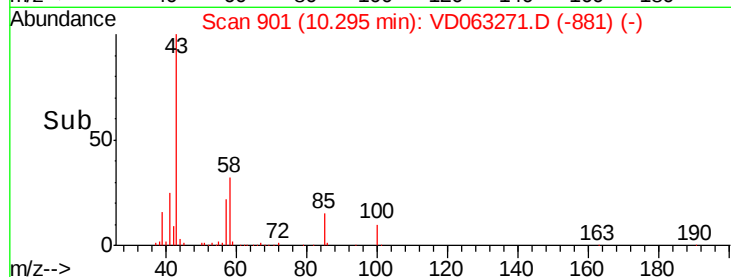
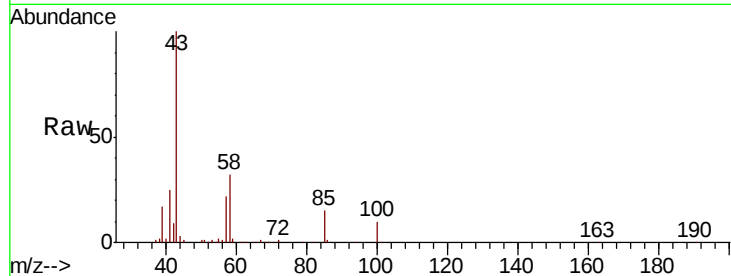
VD0731SBS01

Tot Ion: 43 Resp: 523873

Ion Ratio Lower Upper

43 100

58 31.7 26.2 39.2



#52

Toluene

Concen: 22.041 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063271.D

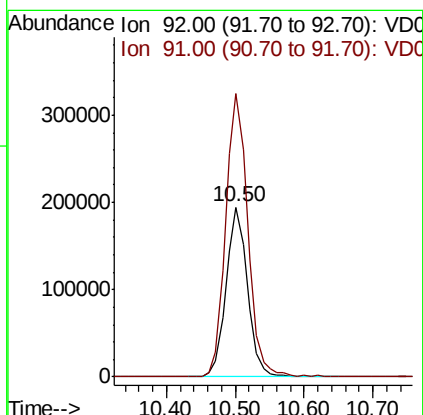
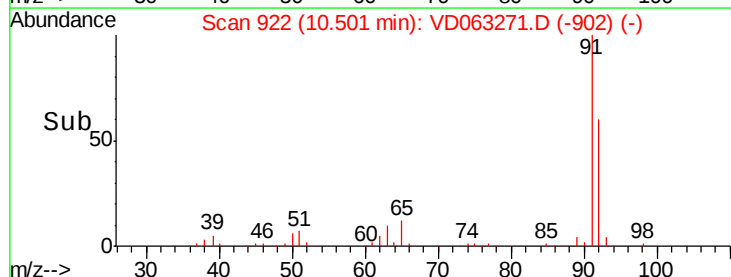
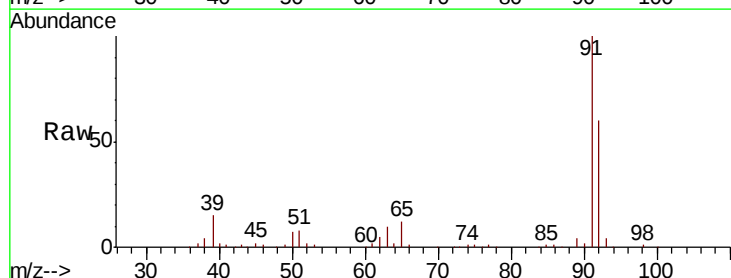
Acq: 31 Jul 2019 11:43

Tgt Ion: 92 Resp: 418412

Ion Ratio Lower Upper

92 100

91 166.7 140.8 211.2

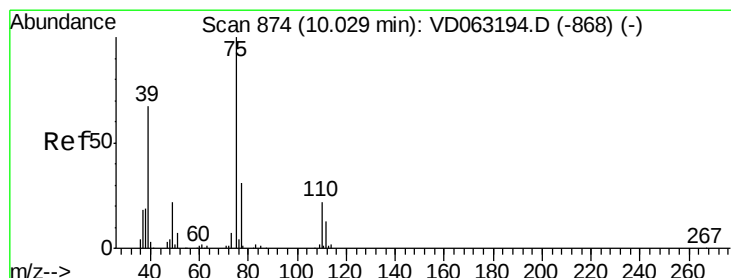
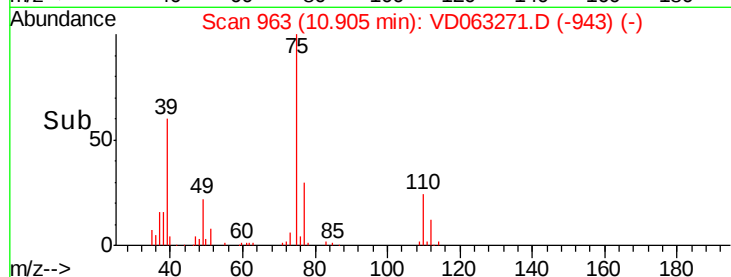
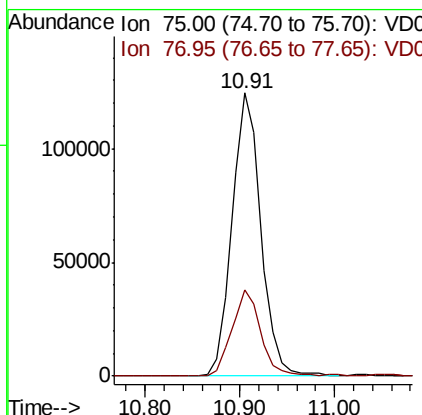
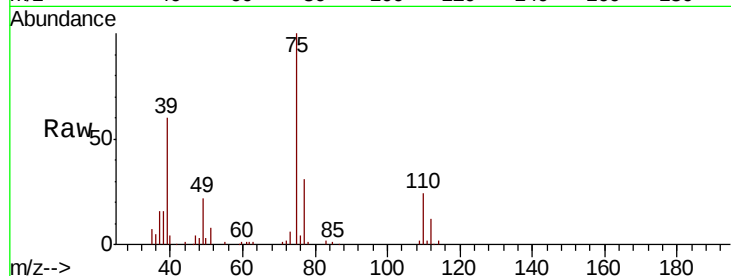




#53
 t-1,3-Dichloropropene
 Concen: 19.727 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

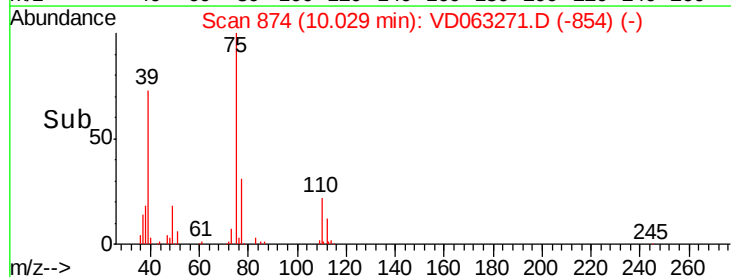
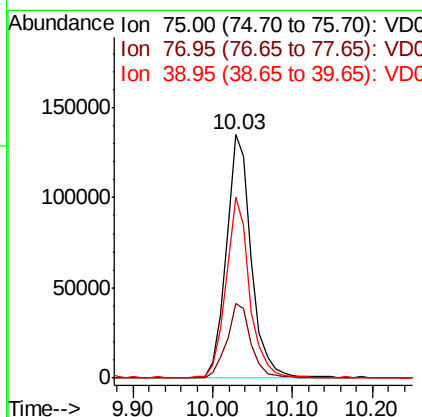
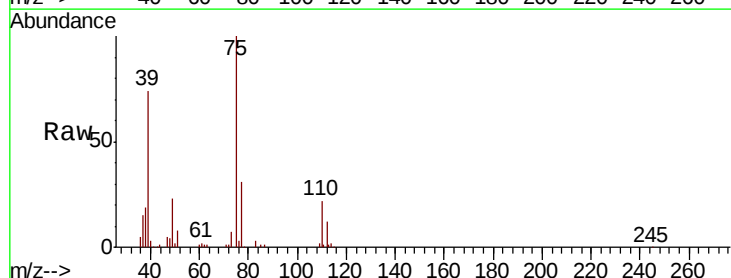
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

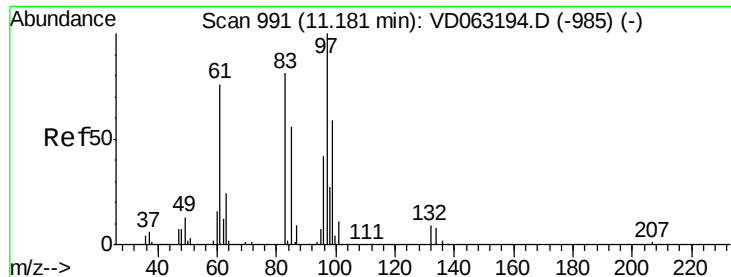
Tot Ion: 75 Resp: 261517
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.6 40.0



#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 :

VD0731SBS01

Tot Ion: 97 Resp: 121513

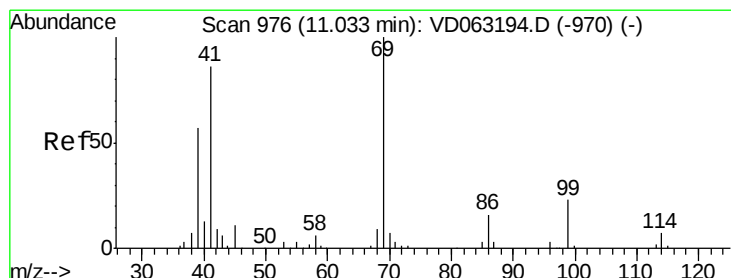
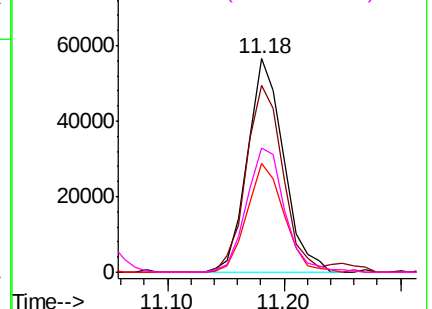
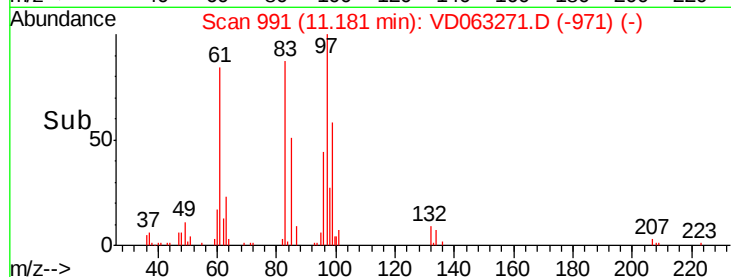
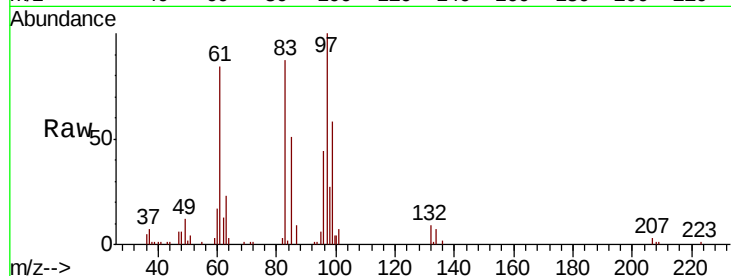
Ion	Ratio	Lower	Upper
97	100		
83	87.4	64.8	97.2
85	50.8	44.9	67.3
99	58.3	47.2	70.8

97 100

83 87.4 64.8 97.2

85 50.8 44.9 67.3

99 58.3 47.2 70.8



#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

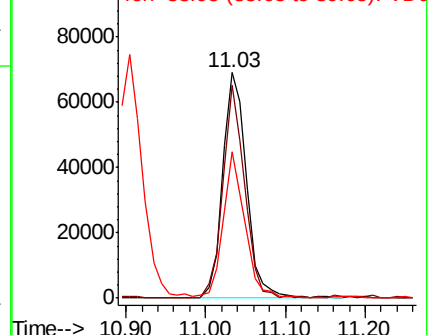
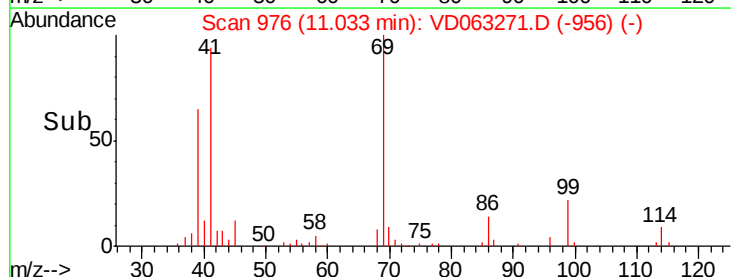
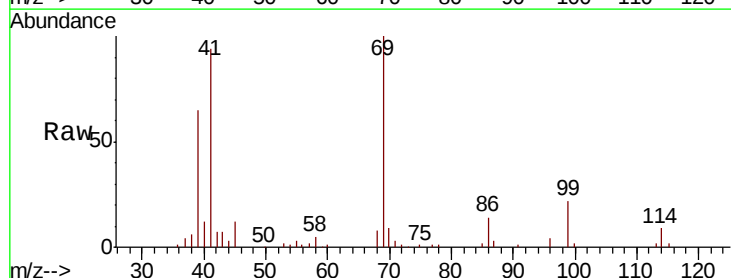
Tgt Ion: 69 Resp: 146041

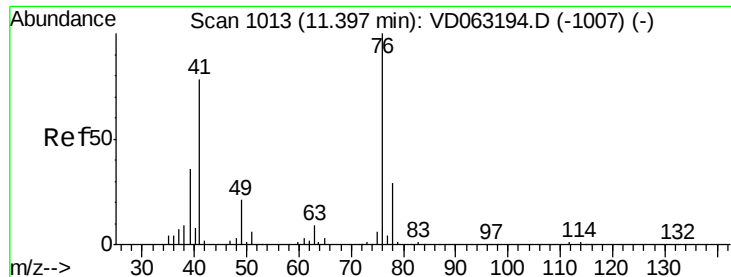
Ion	Ratio	Lower	Upper
69	100		
41	94.3	68.8	103.2
39	64.9	45.8	68.8

69 100

41 94.3 68.8 103.2

39 64.9 45.8 68.8

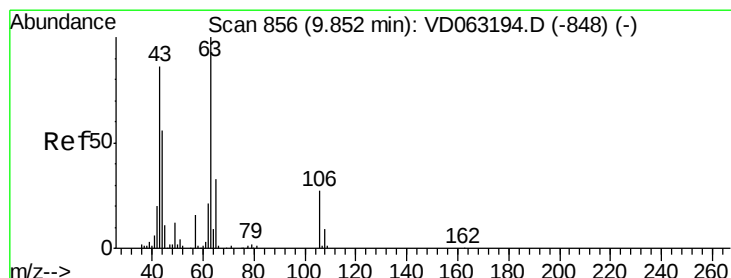
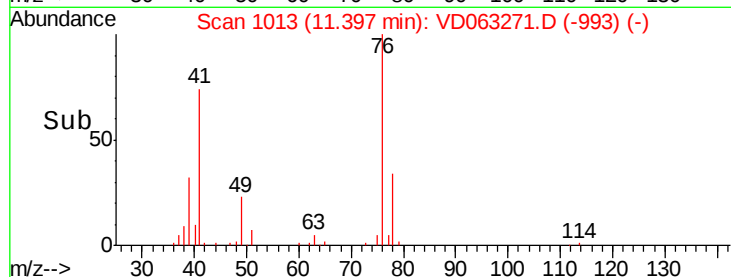
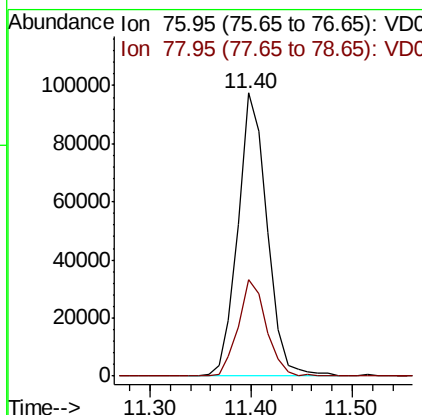
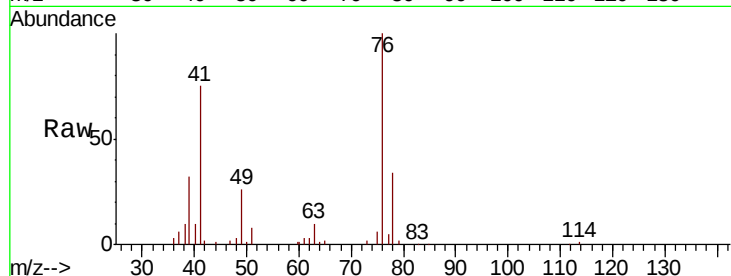




#57
 1,3-Dichloropropane
 Concen: 19.446 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

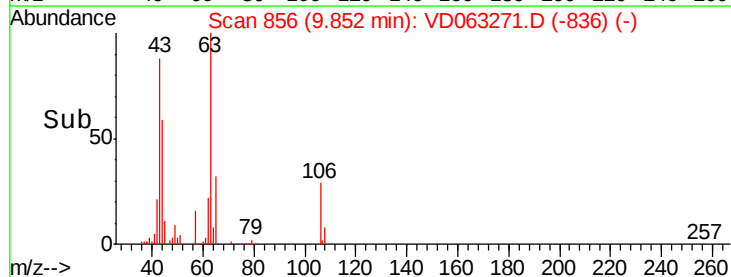
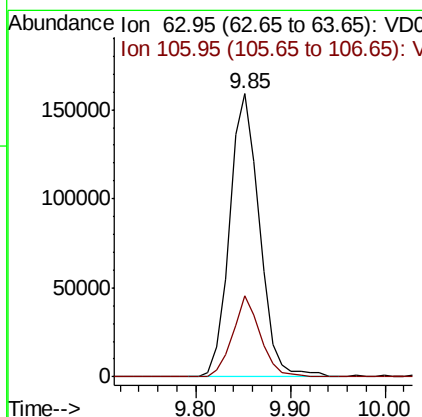
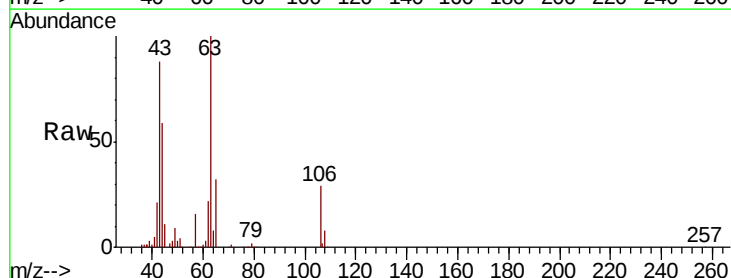
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

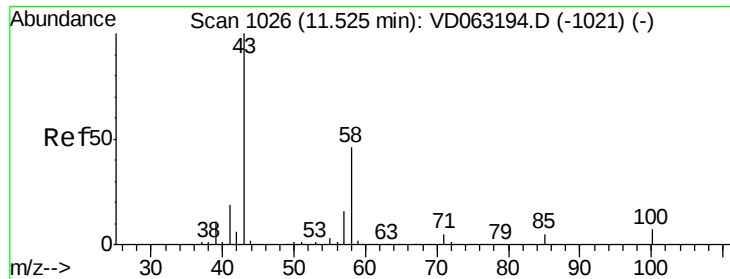
Tot Ion: 76 Resp: 196438
 Ion Ratio Lower Upper
 76 100
 78 34.0 23.4 35.0



#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

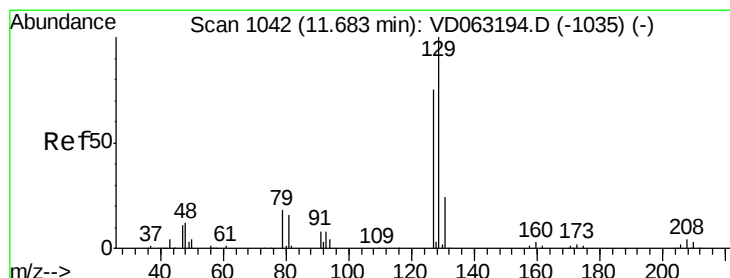
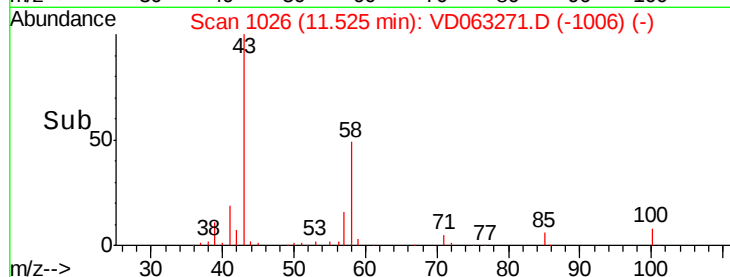
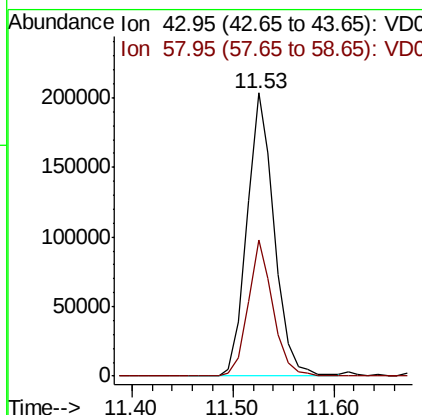
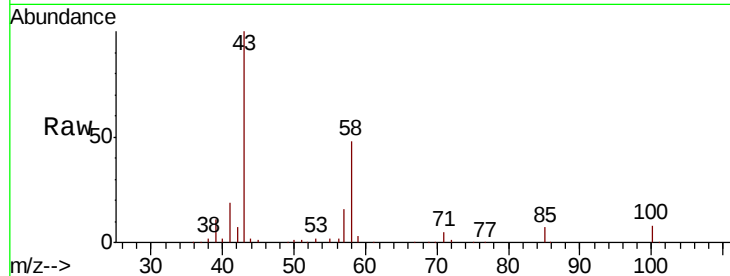




#59
2-Hexanone
Concen: 99.952 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

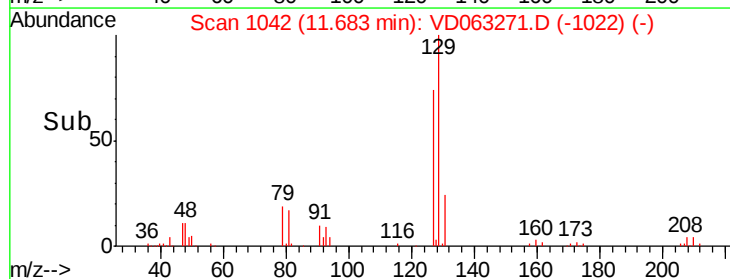
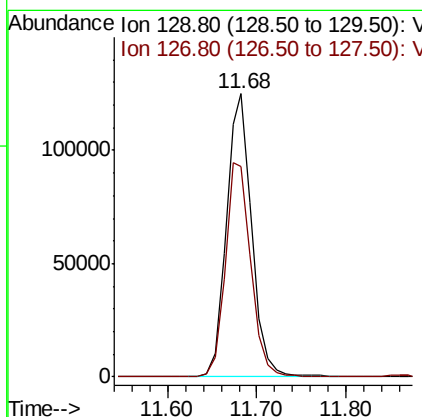
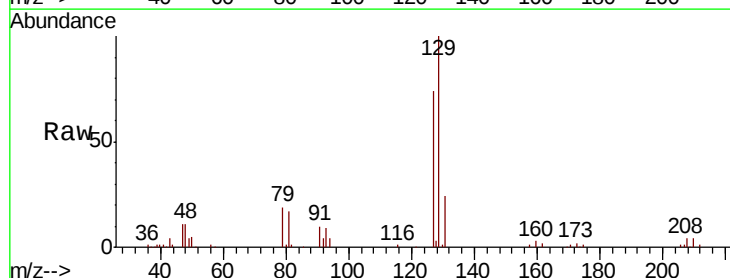
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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



#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

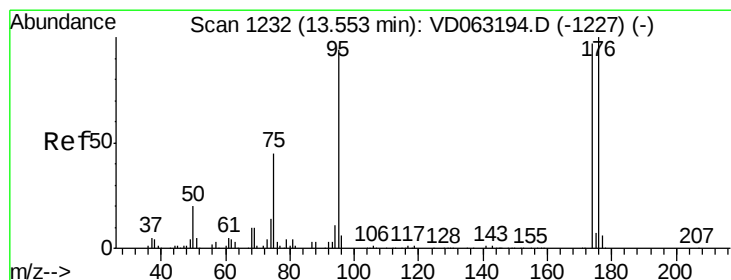
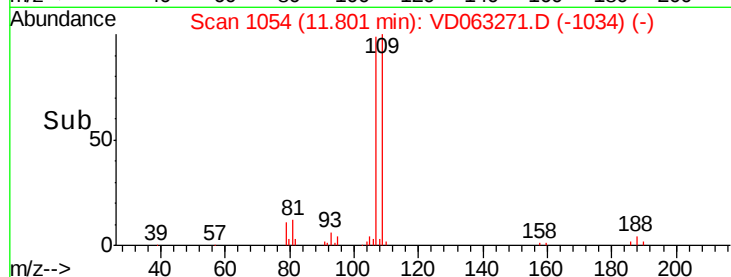
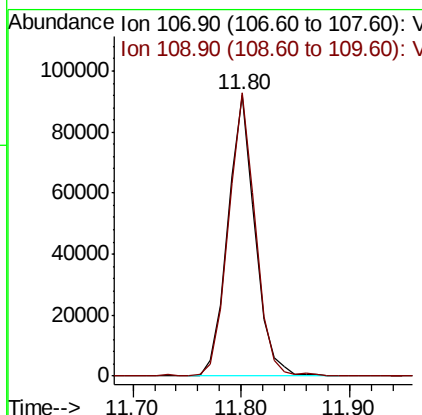
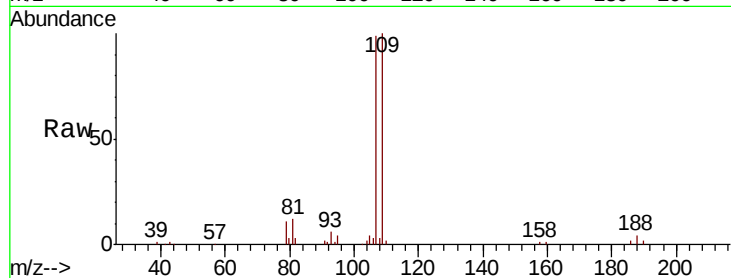




#61
 1,2-Dibromoethane
 Concen: 20.332 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

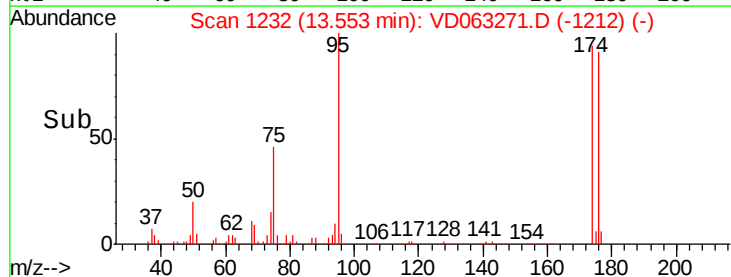
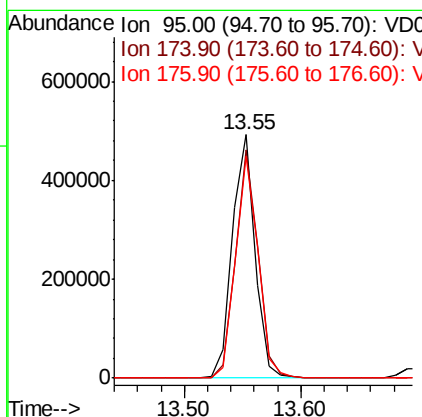
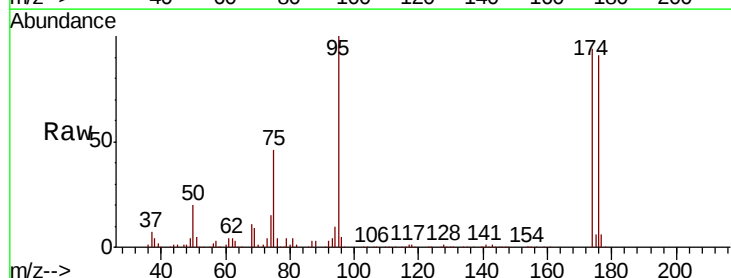
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

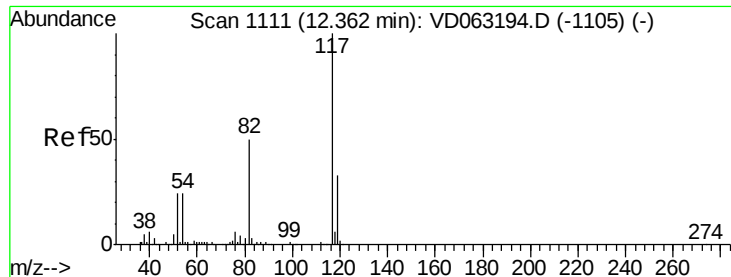
Tot Ion:107 Resp: 160845
 Ion Ratio Lower Upper
 107 100
 109 100.7 77.5 116.3



#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

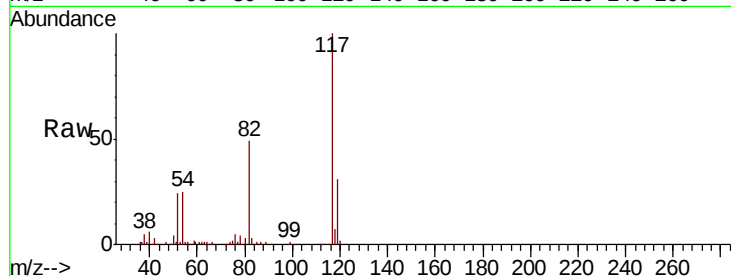




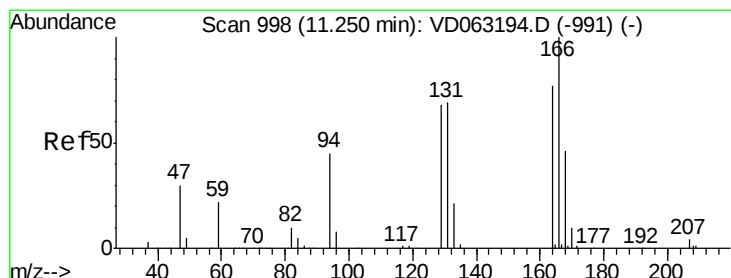
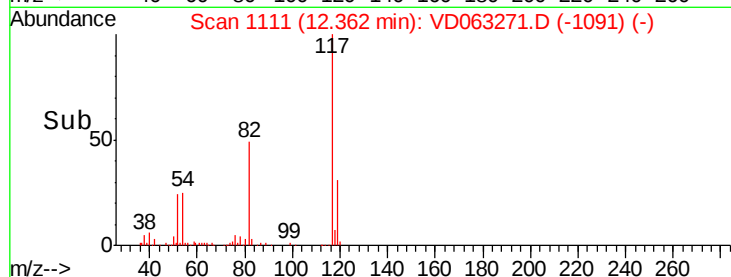
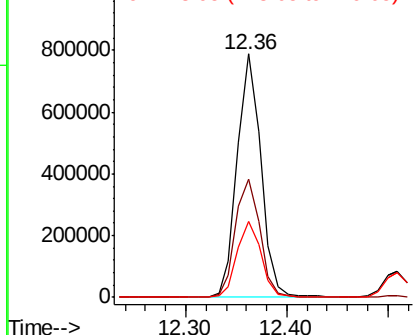
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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

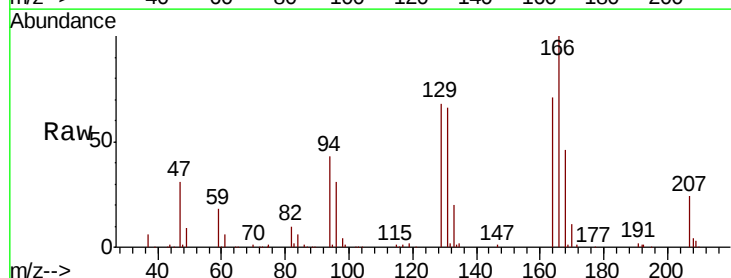


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

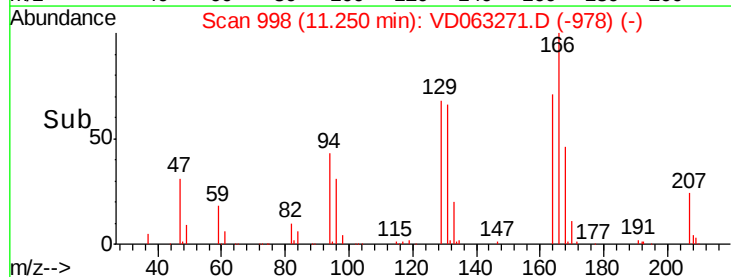
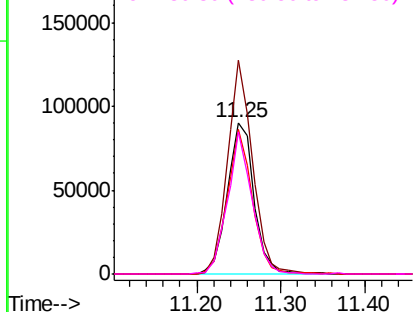


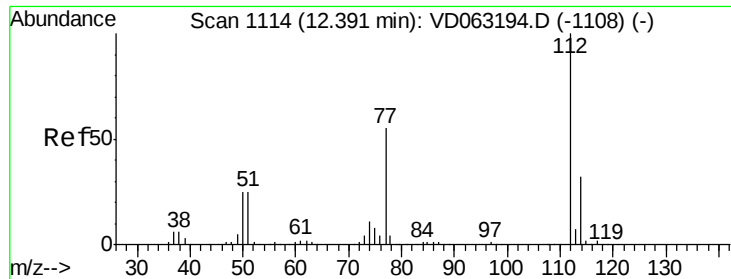
#64
Tetrachloroethene
Concen: 19.146 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

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

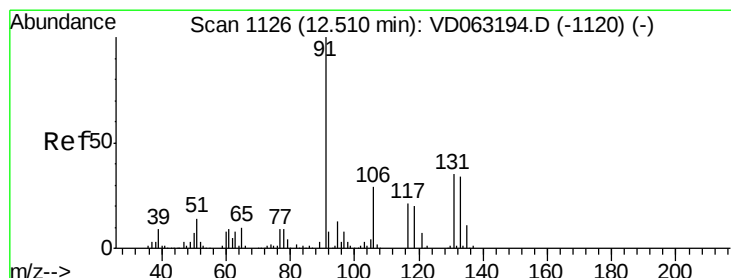
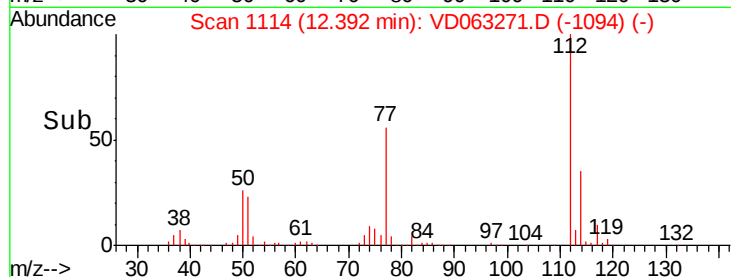
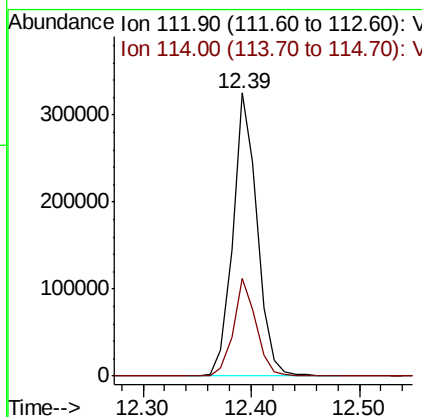
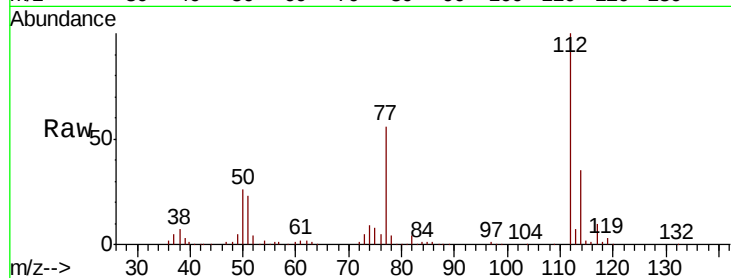




#65
Chlorobenzene
Concen: 20.236 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

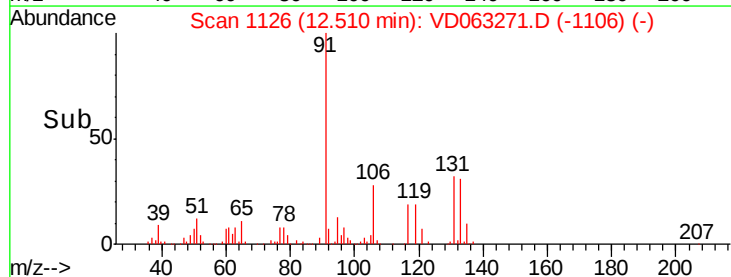
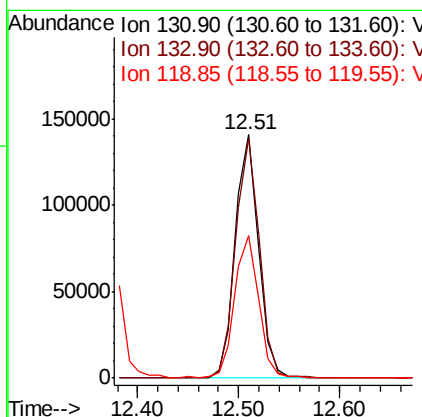
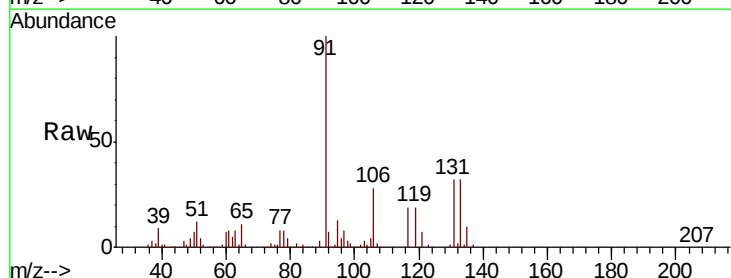
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

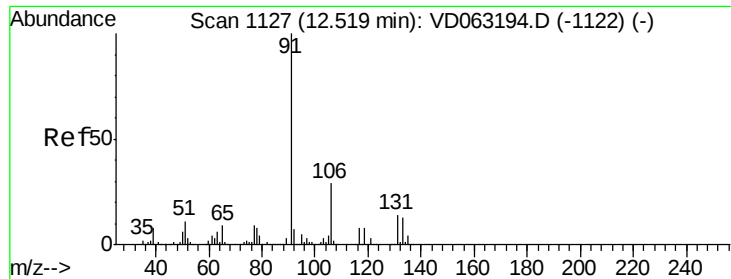
Tot Ion:112 Resp: 503542
Ion Ratio Lower Upper
112 100
114 34.7 25.8 38.8



#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

ClientSampleId :

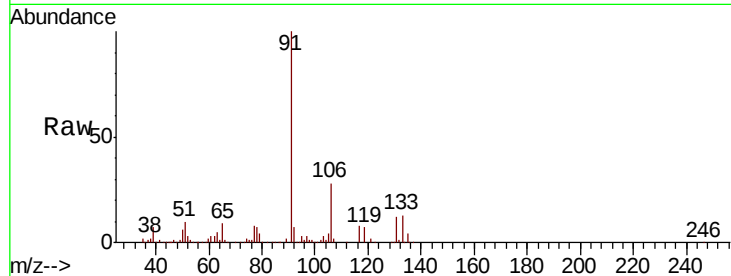
VD0731SBS01

Tot Ion: 91 Resp: 927070

Ion Ratio Lower Upper

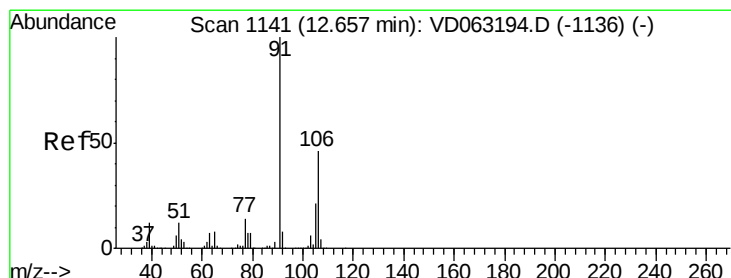
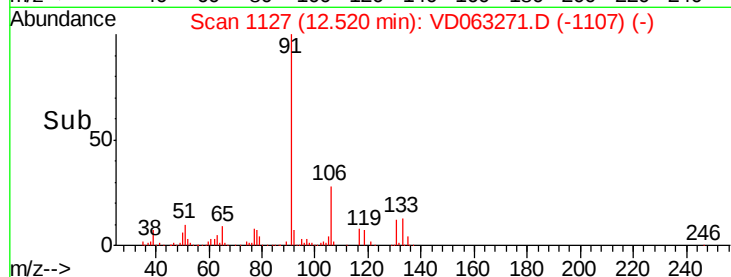
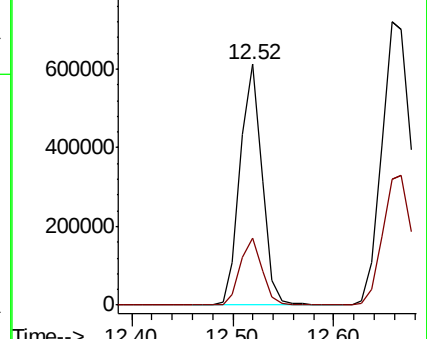
91 100

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

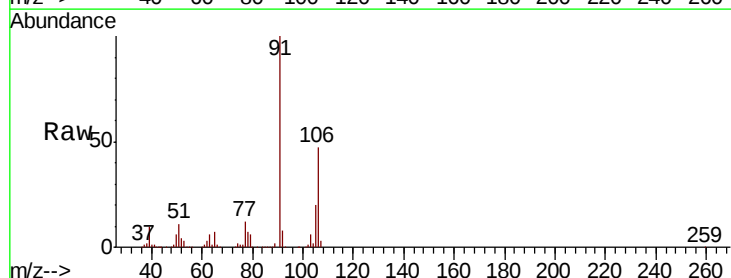
Acq: 31 Jul 2019 11:43

Tgt Ion: 106 Resp: 655139

Ion Ratio Lower Upper

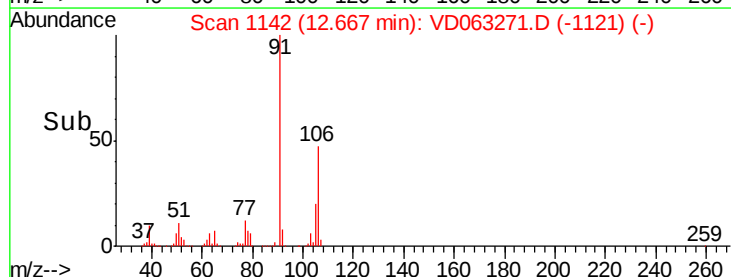
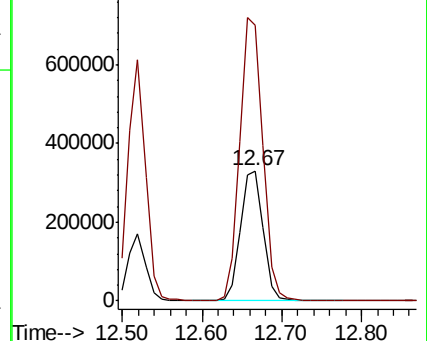
106 100

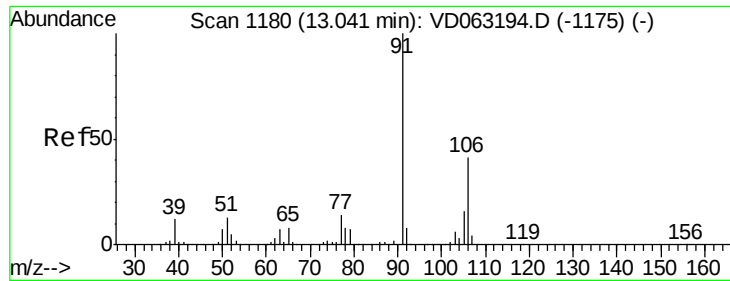
91 211.9 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

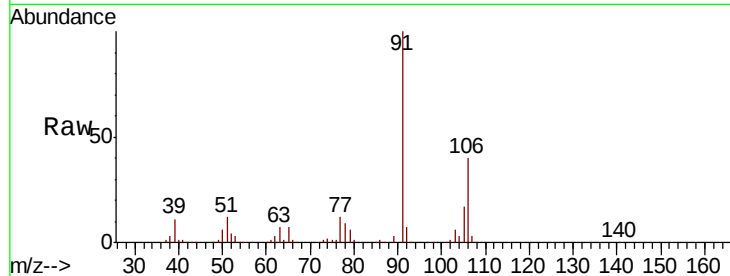




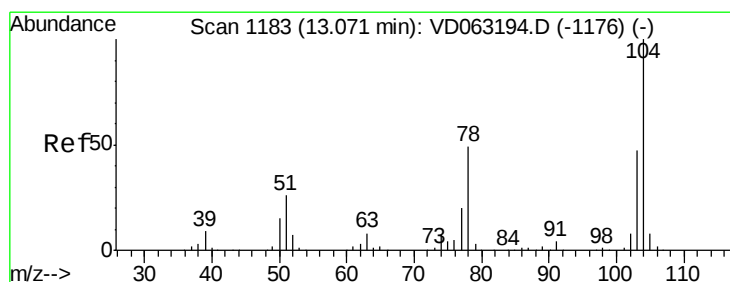
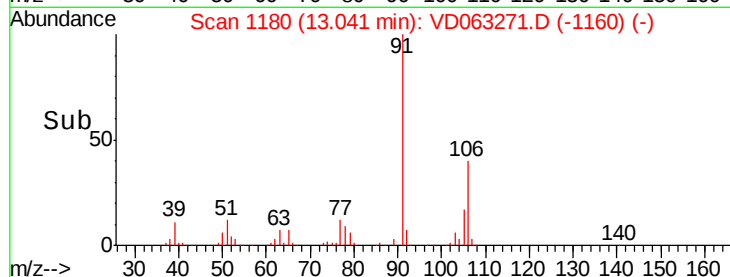
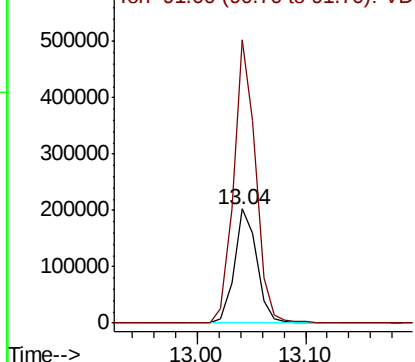
#69
o-Xylene
Concen: 20.576 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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

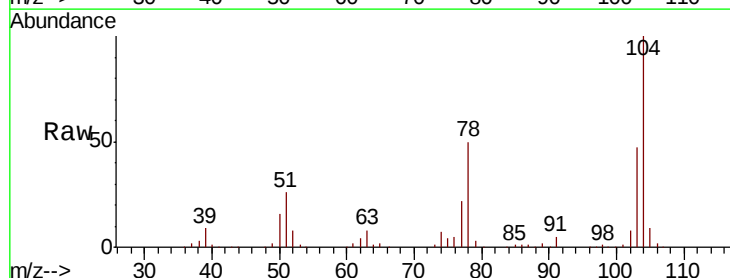


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

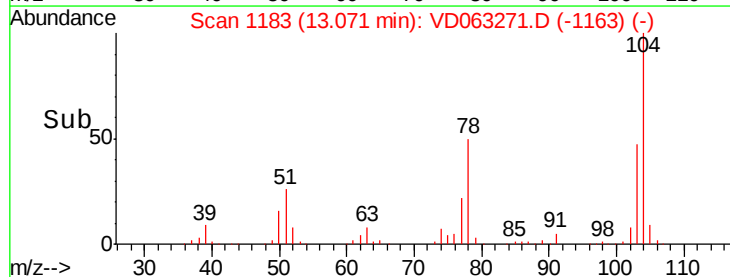
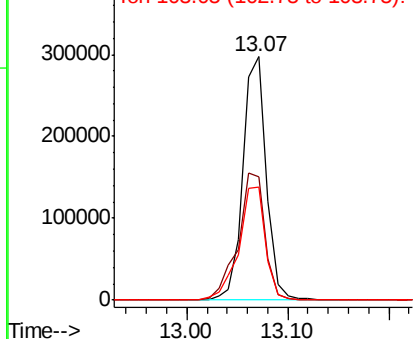


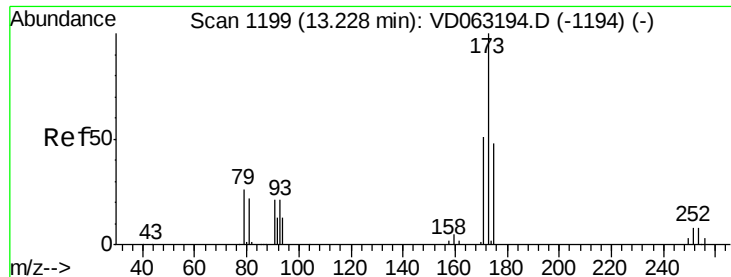
#70
Styrene
Concen: 18.982 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

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



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

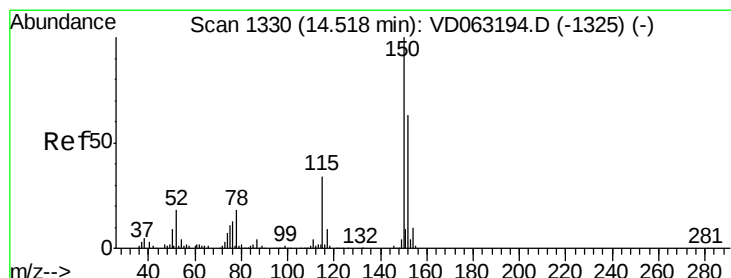
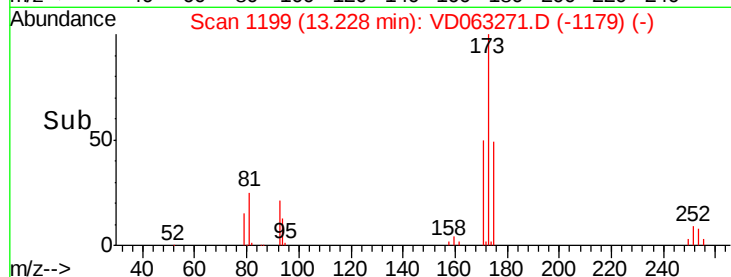
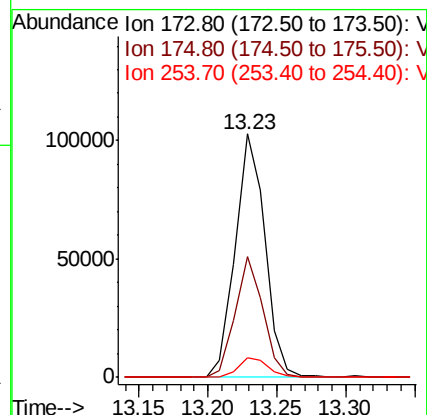
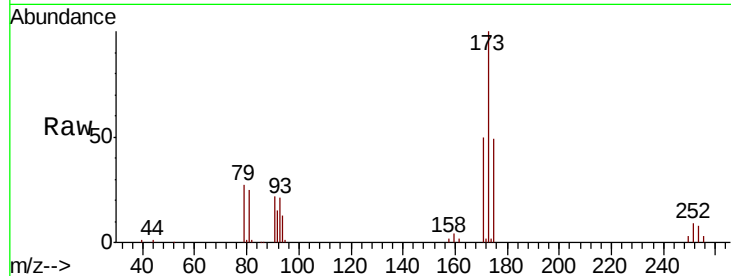




#71
Bromoform
Concen: 19.400 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

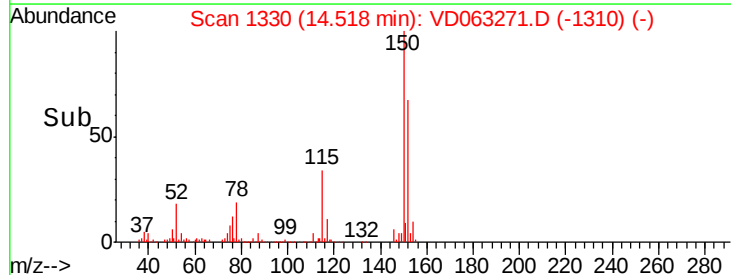
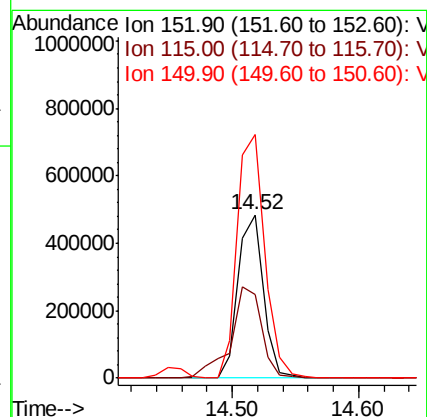
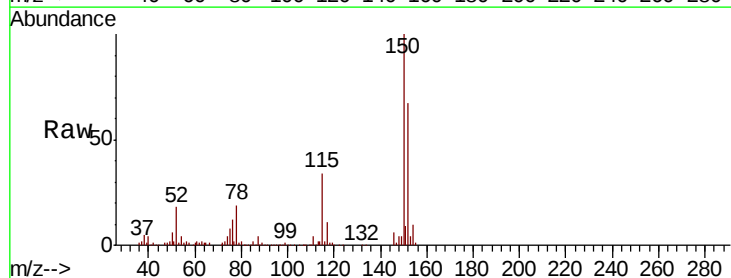
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

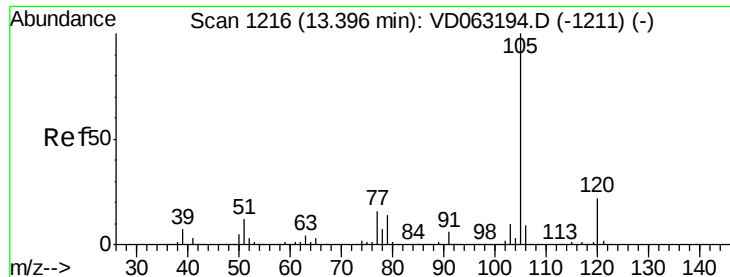
Tot Ion:173 Resp: 154642
Ion Ratio Lower Upper
173 100
175 49.4 23.8 71.5
254 8.0 6.6 10.0



#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





#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 :

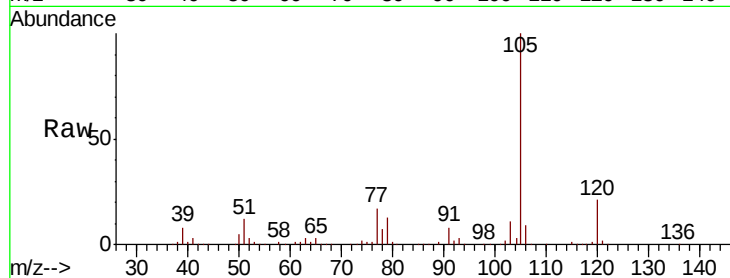
VD0731SBS01

Tot Ion:105 Resp: 906435

Ion Ratio Lower Upper

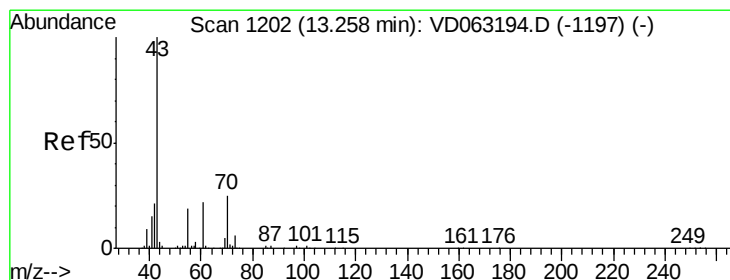
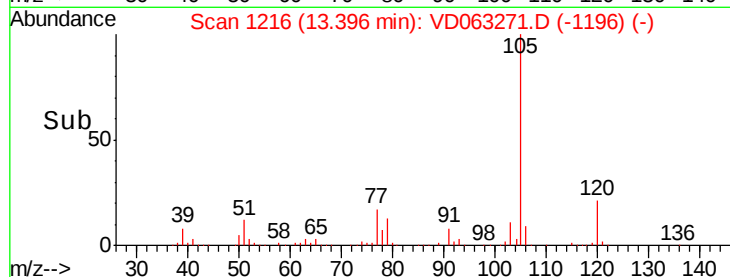
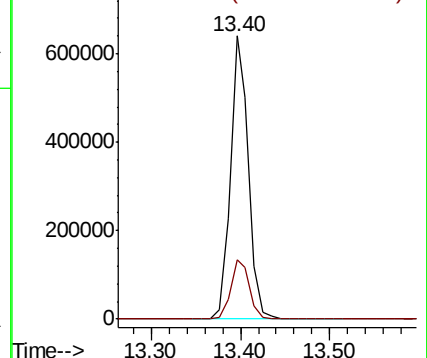
105 100

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



#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

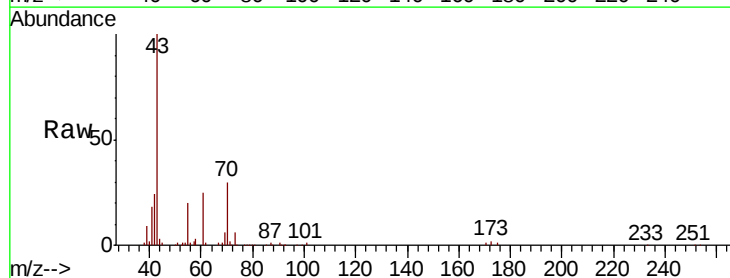
Ion Ratio Lower Upper

43 100

70 30.1 20.2 30.4

55 20.2 14.9 22.3

61 24.6 17.9 26.9

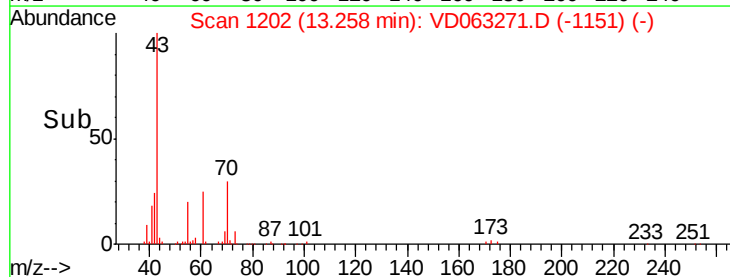
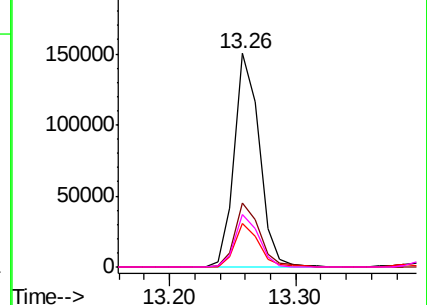


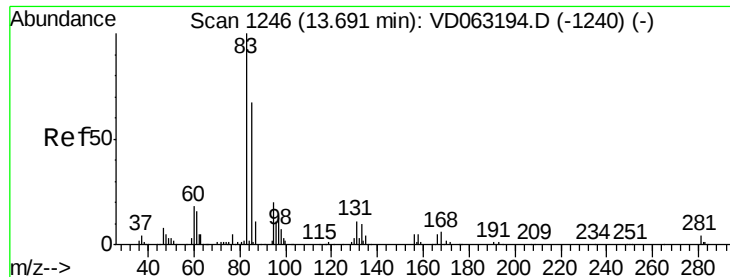
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#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

ClientSampleId :

VD0731SBS01

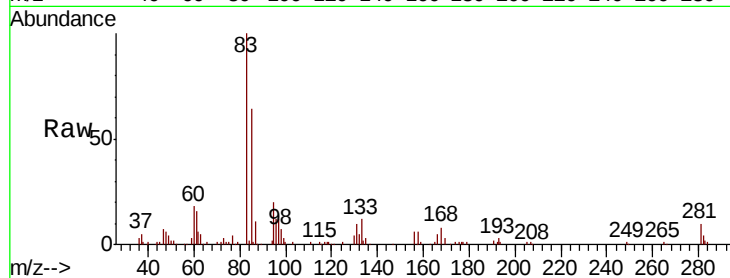
Tot Ion: 83 Resp: 144093

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.7

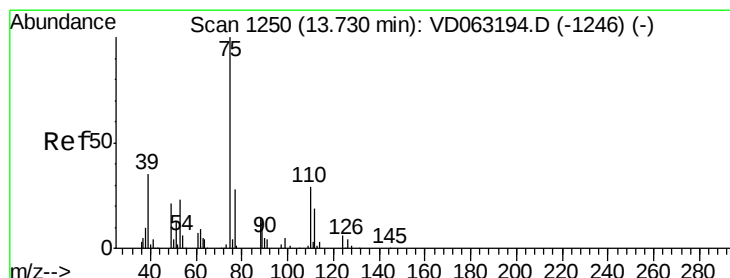
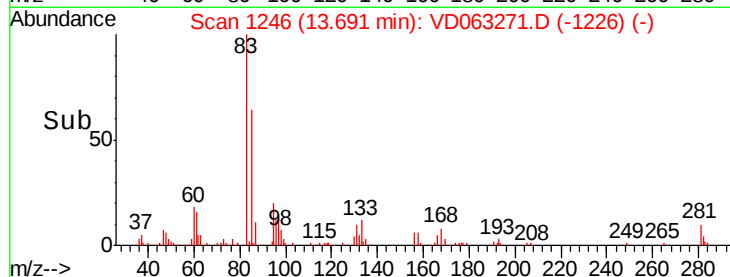
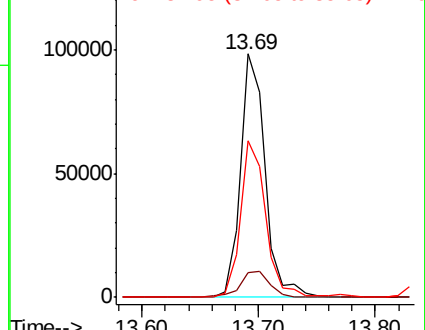
85 64.3 33.7 101.1



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

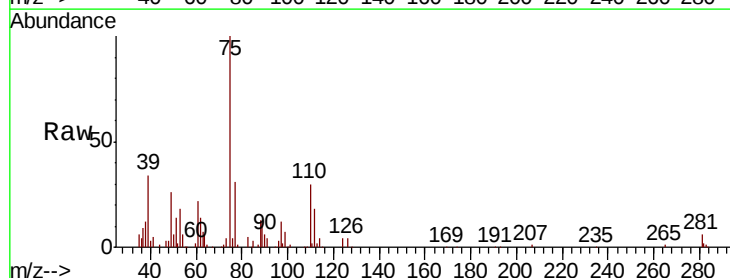
Acq: 31 Jul 2019 11:43

Tgt Ion: 75 Resp: 161844

Ion Ratio Lower Upper

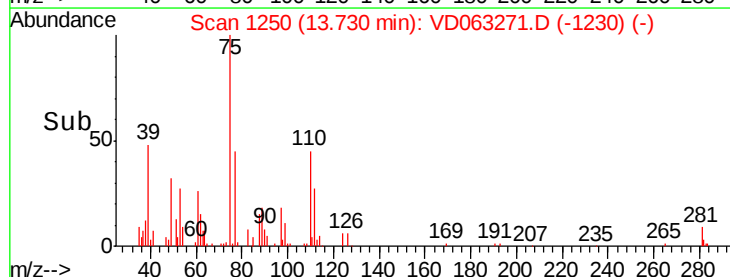
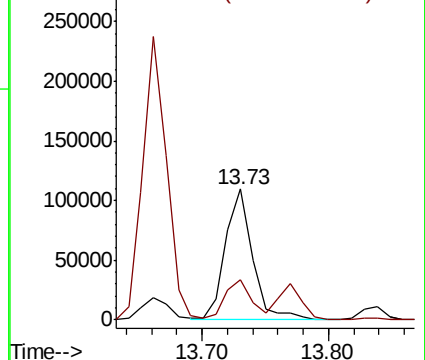
75 100

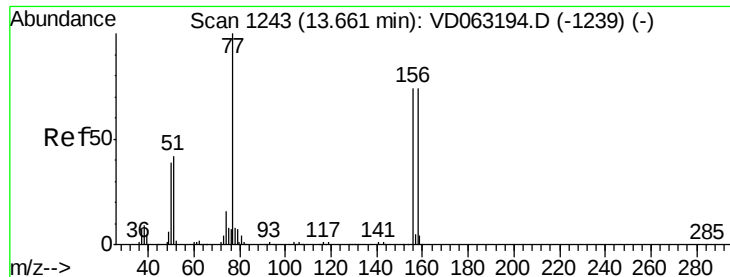
77 31.0 16.0 48.0



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 :

VD0731SBS01

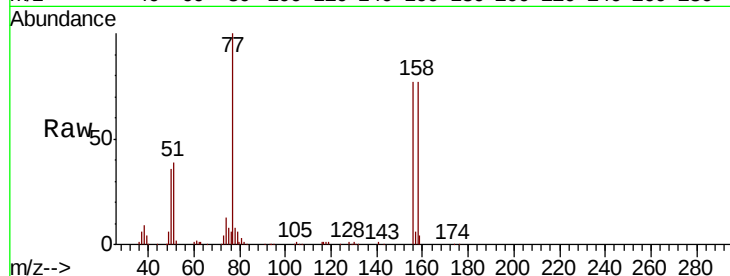
Tot Ion:156 Resp: 254600

Ion Ratio Lower Upper

156 100

77 130.3 67.6 202.8

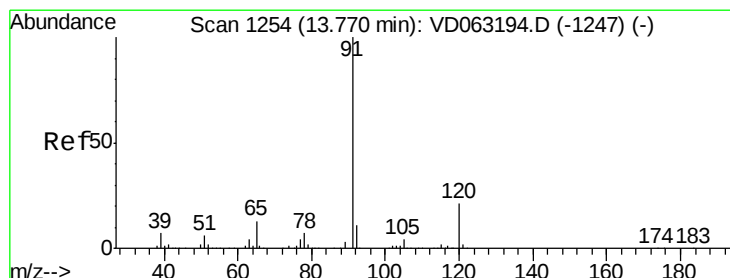
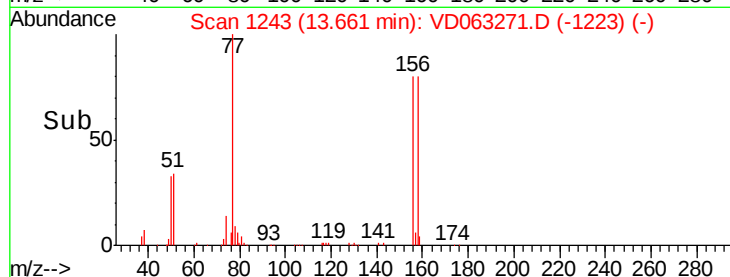
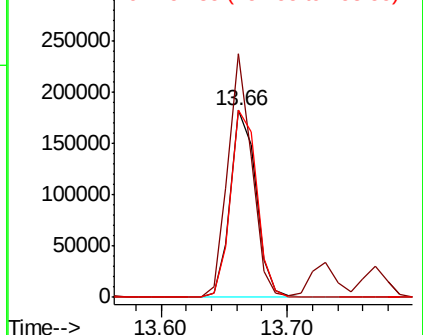
158 100.1 49.8 149.4



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

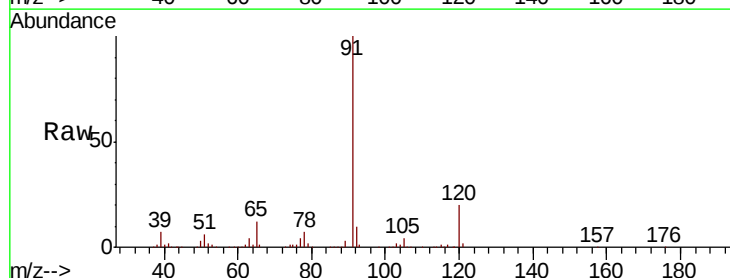
Acq: 31 Jul 2019 11:43

Tgt Ion: 91 Resp: 987535

Ion Ratio Lower Upper

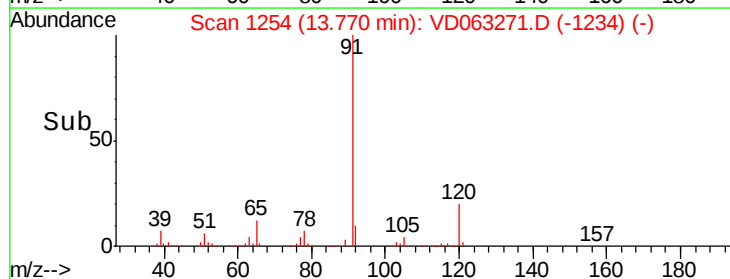
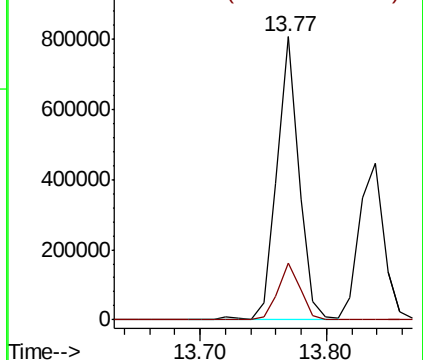
91 100

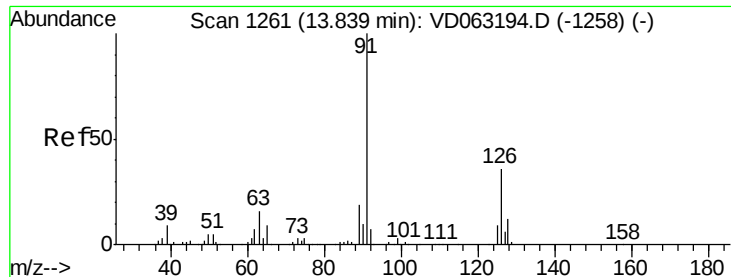
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

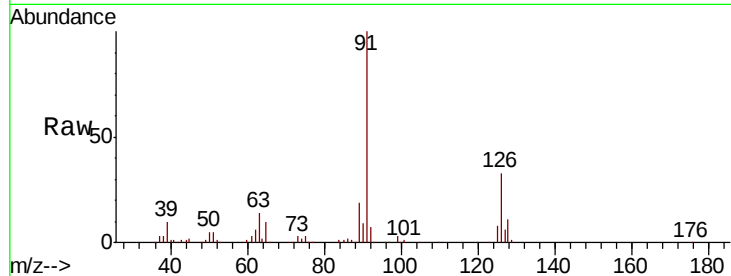




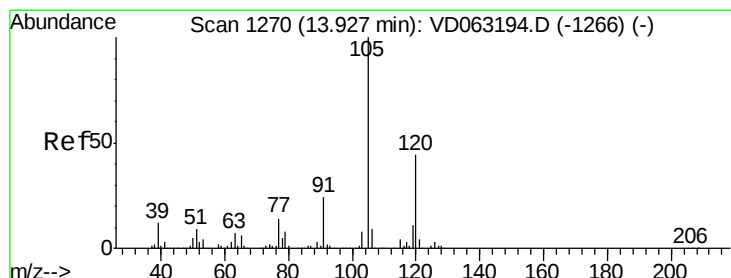
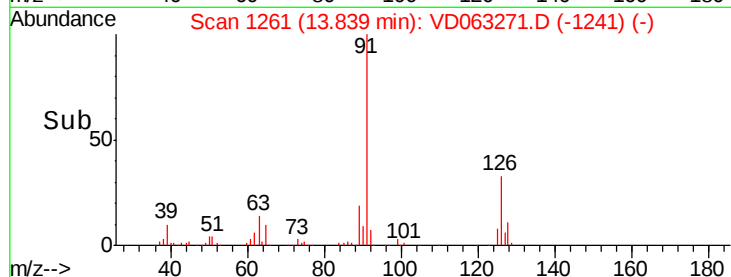
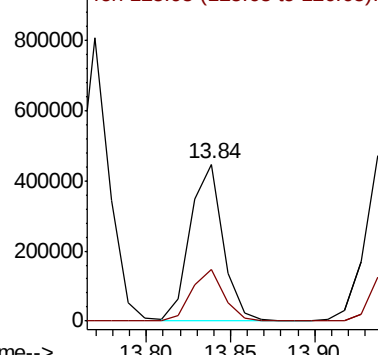
#79
 2-Chlorotoluene
 Concen: 20.543 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

Tot Ion: 91 Resp: 600951
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.8 53.5

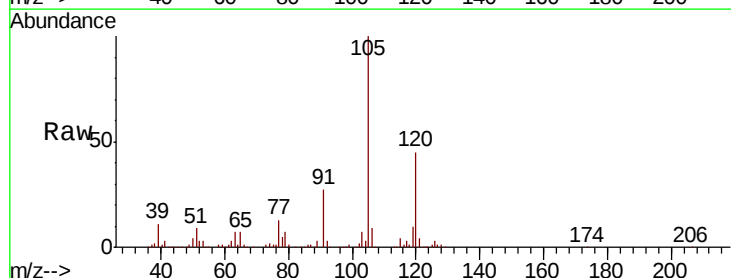


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

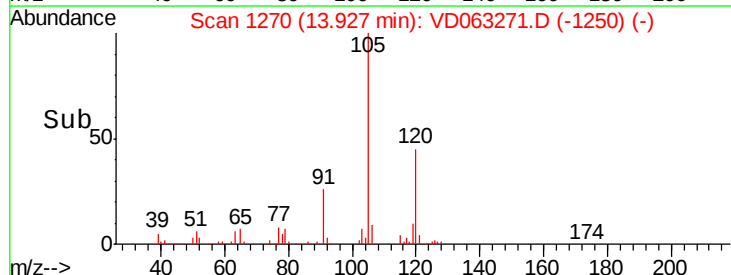
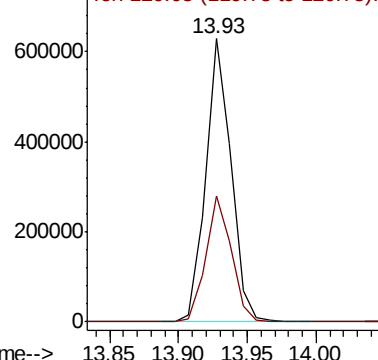


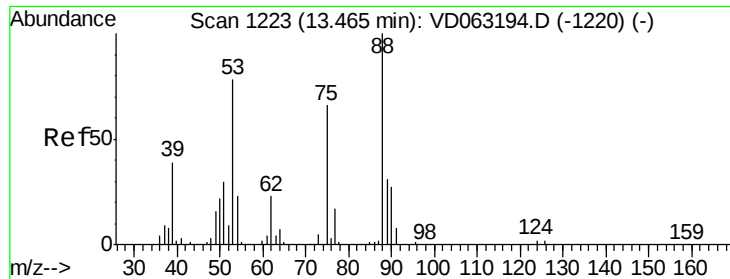
#80
 1,3,5-Trimethylbenzene
 Concen: 21.858 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

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

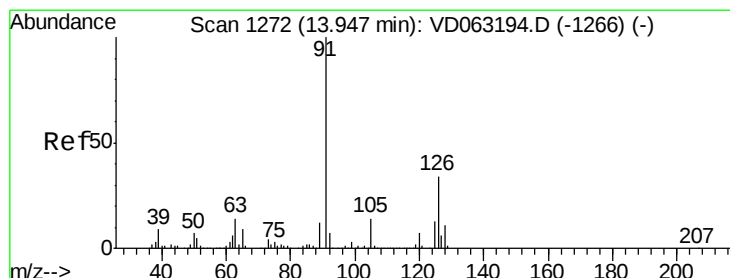
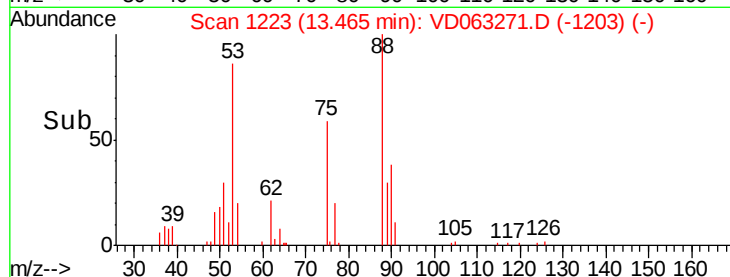
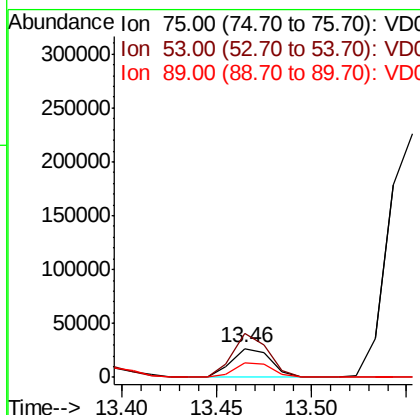
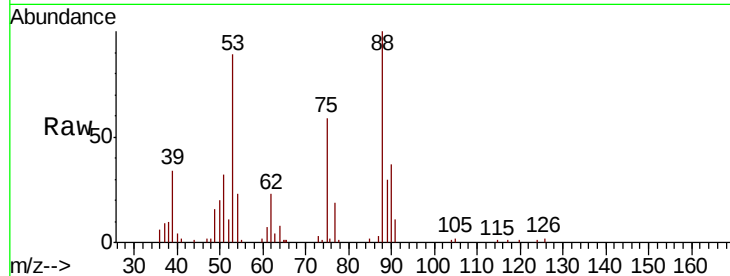




#81
trans-1,4-Dichloro-2-butene
Concen: 17.386 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

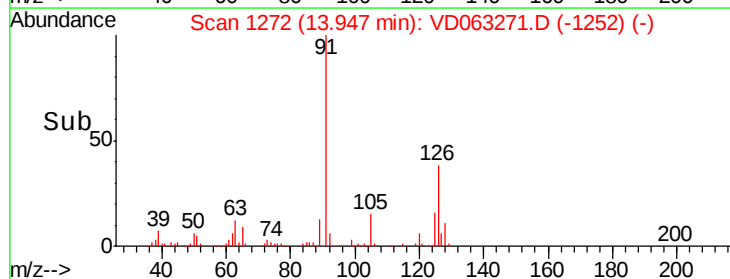
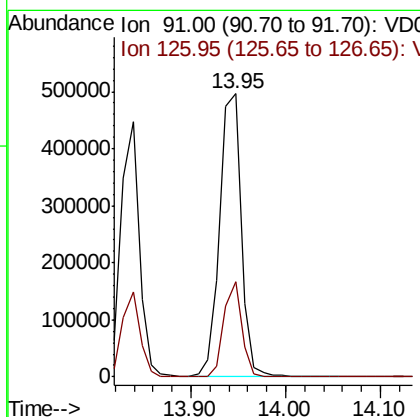
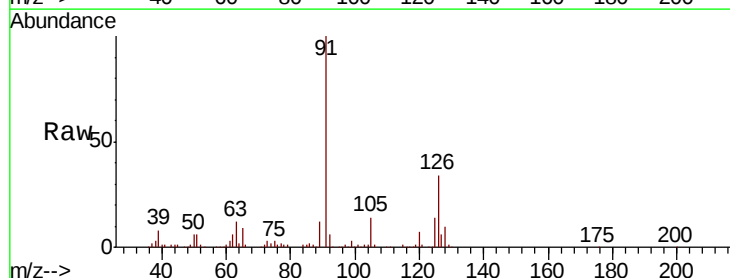
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBSD01

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

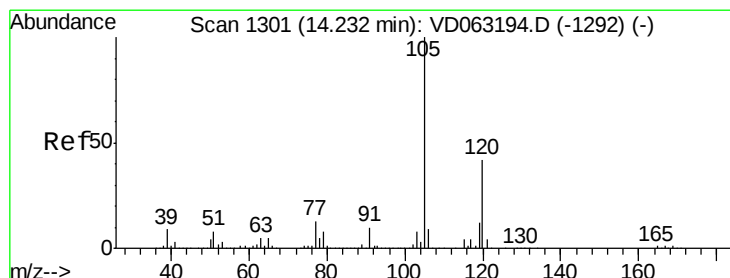
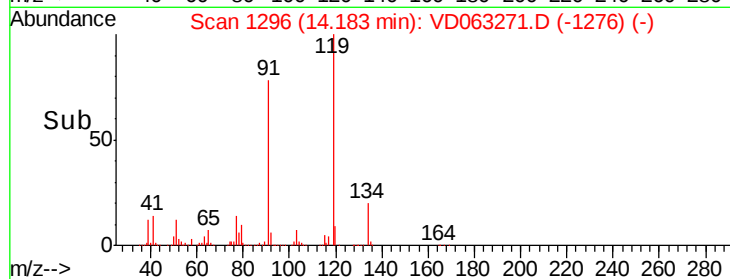
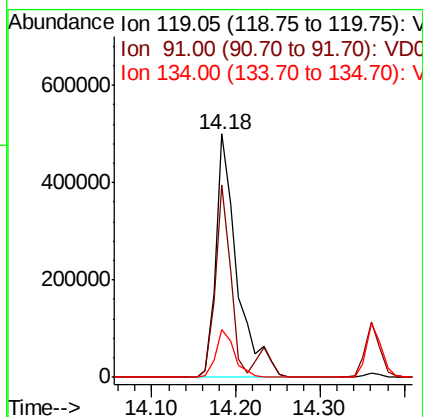
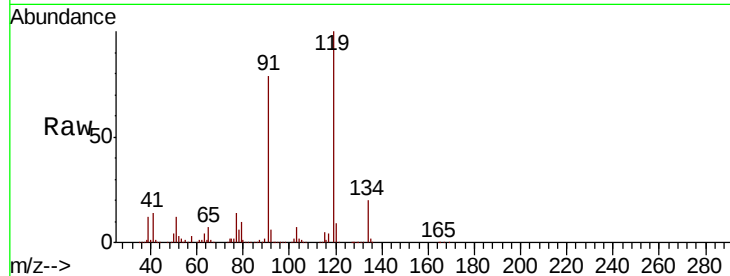




#83
tert-Butylbenzene
Concen: 20.855 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

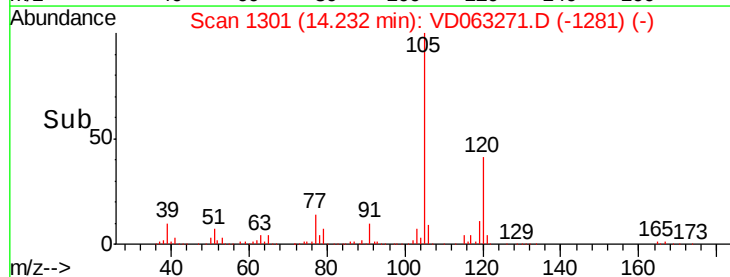
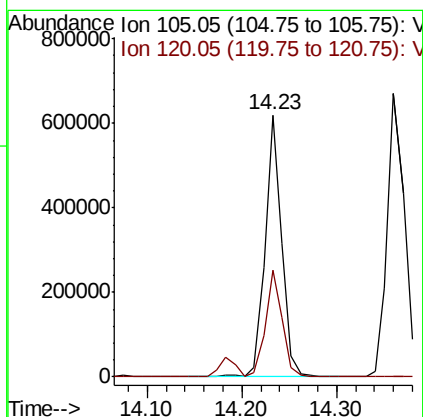
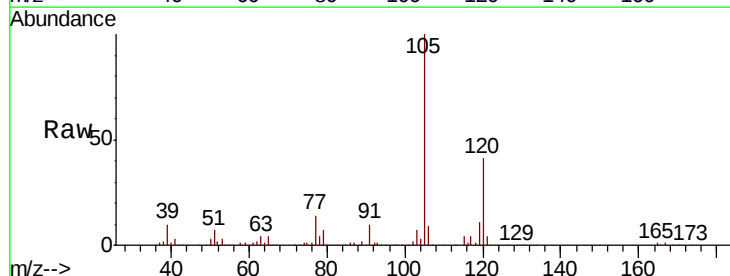
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

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 :

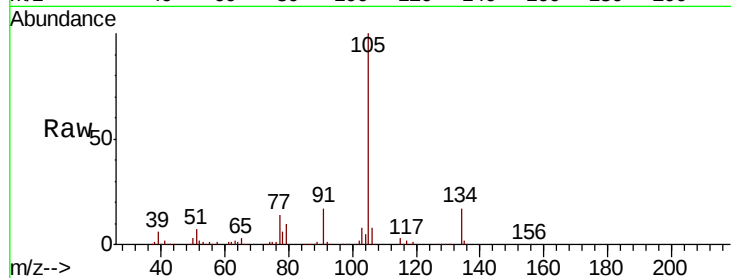
VD0731SBS01

Tot Ion:105 Resp: 854100

Ion Ratio Lower Upper

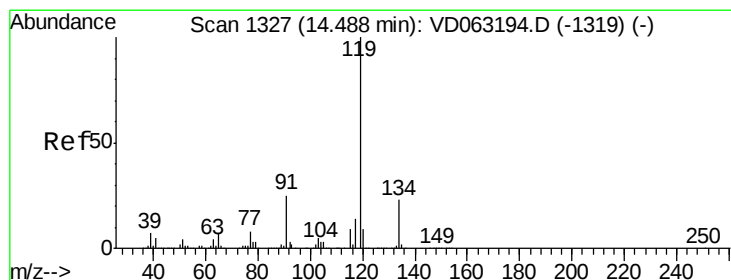
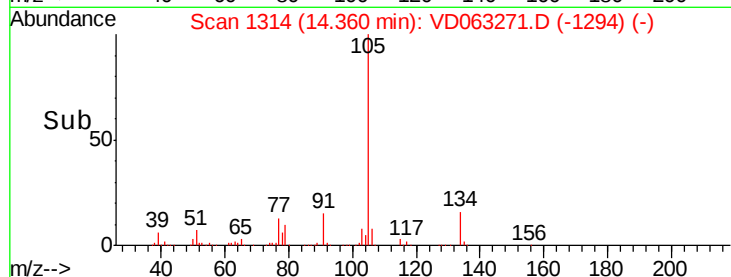
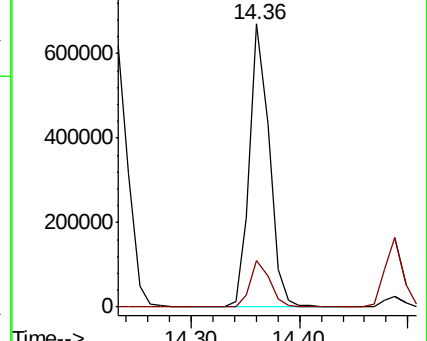
105 100

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

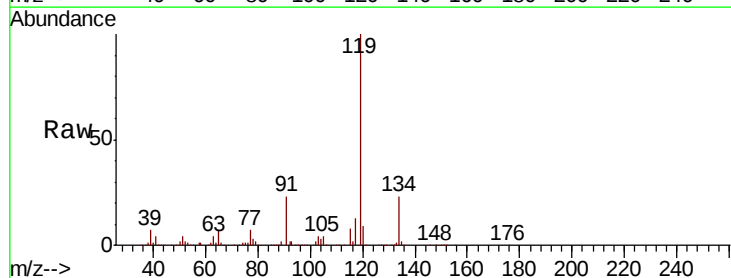
Tgt Ion:119 Resp: 871755

Ion Ratio Lower Upper

119 100

134 23.2 11.5 34.5

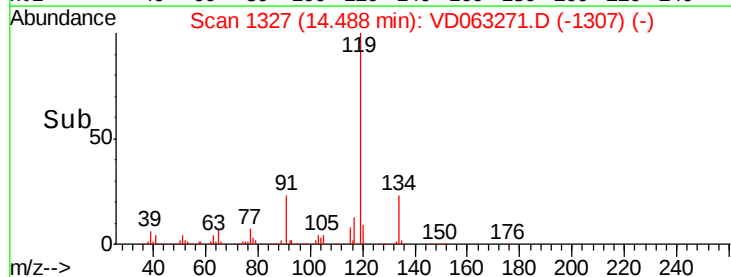
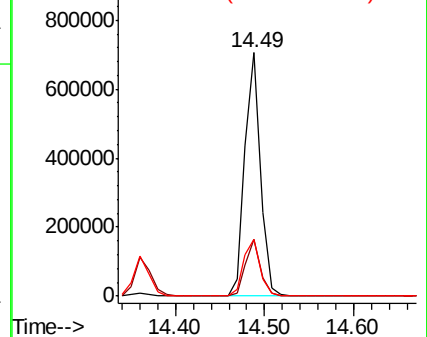
91 23.1 12.6 37.6

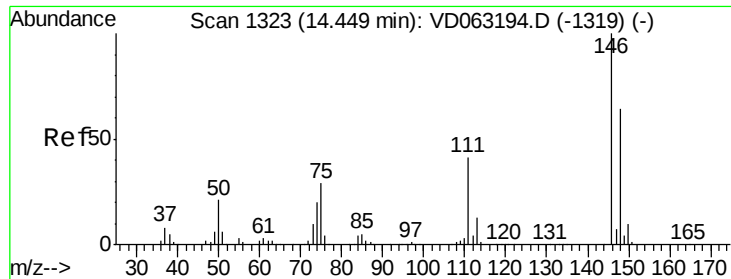


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

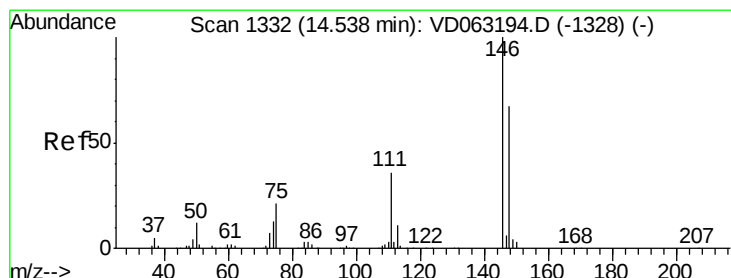
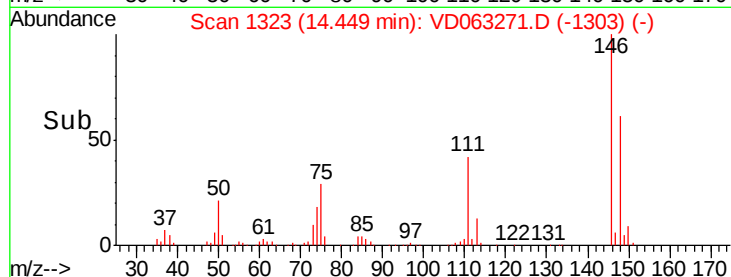
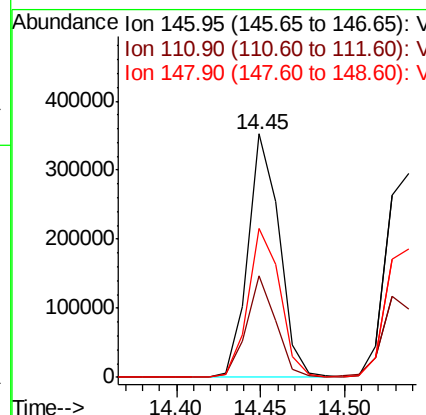
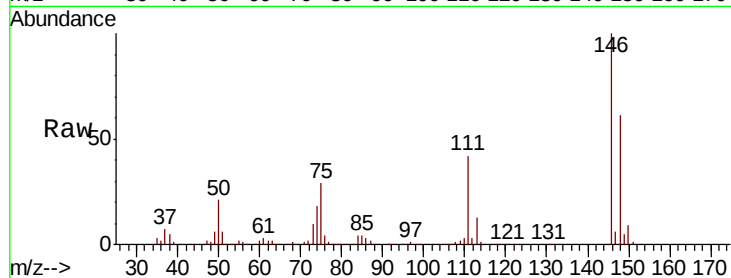




#87
 1,3-Dichlorobenzene
 Concen: 21.302 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

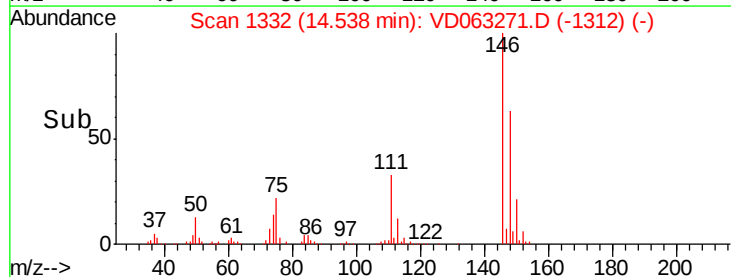
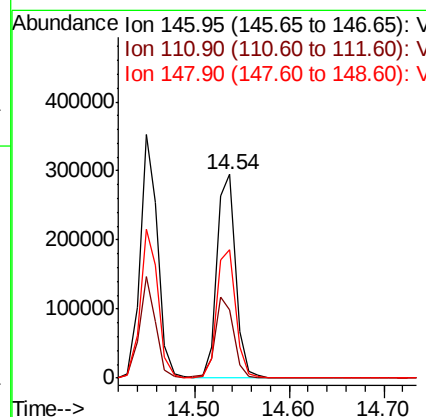
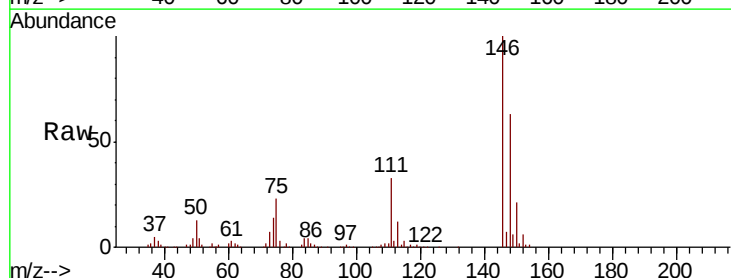
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

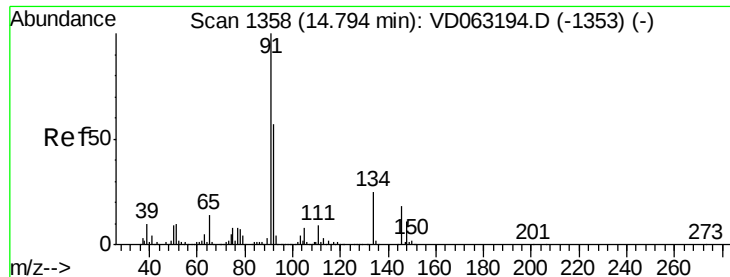
Tot Ion:146 Resp: 455903
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.3
 148 60.9 31.8 95.4



#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 :

VD0731SBS01

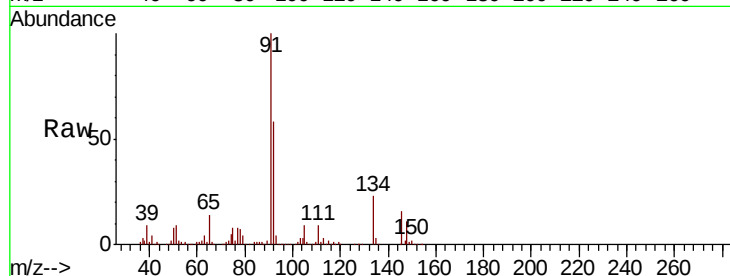
Tot Ion: 91 Resp: 794438

Ion Ratio Lower Upper

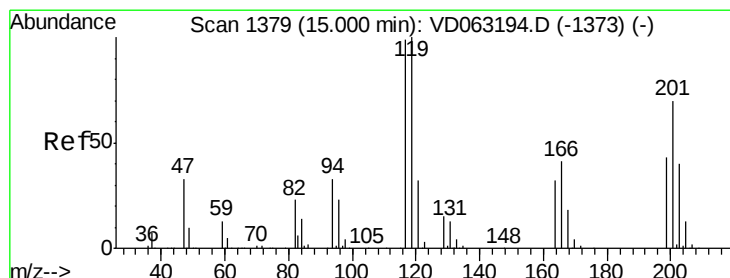
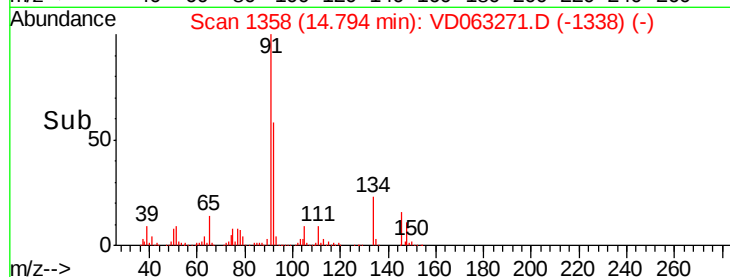
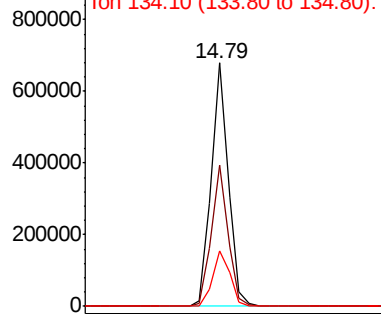
91 100

92 58.0 28.3 85.0

134 22.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#90

Hexachloroethane

Concen: 18.329 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063271.D

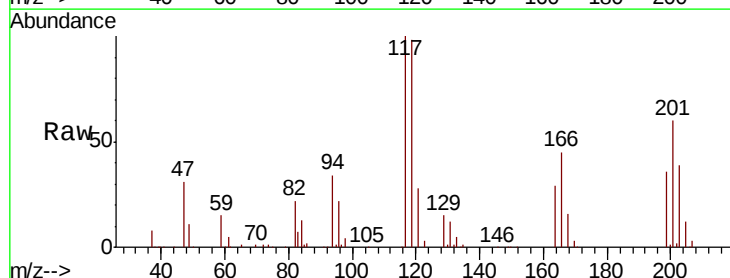
Acq: 31 Jul 2019 11:43

Tgt Ion: 117 Resp: 200626

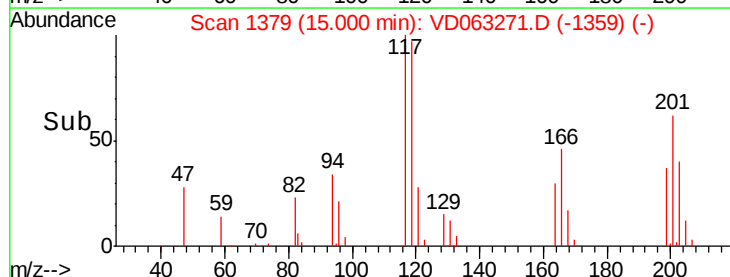
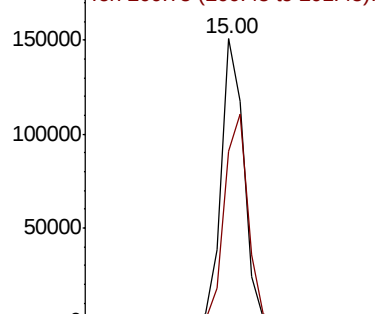
Ion Ratio Lower Upper

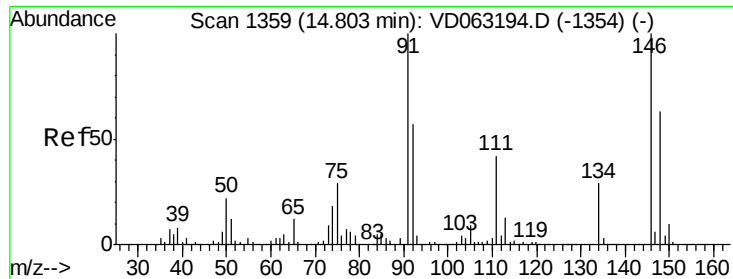
117 100

201 60.2 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

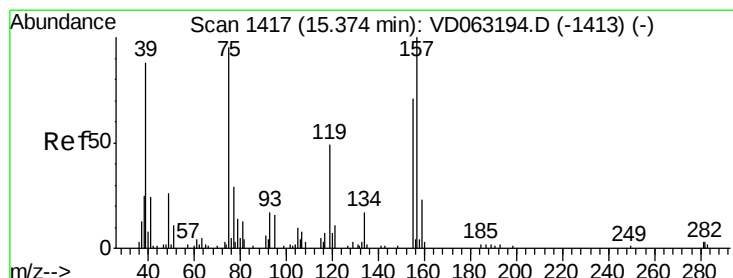
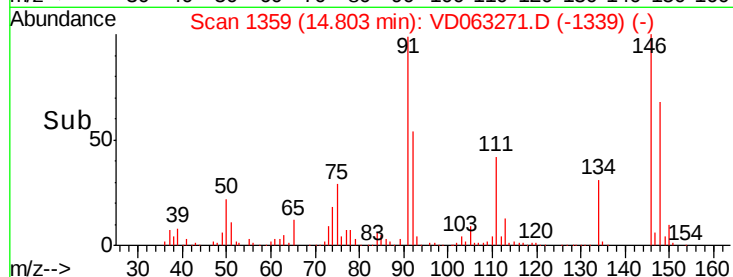
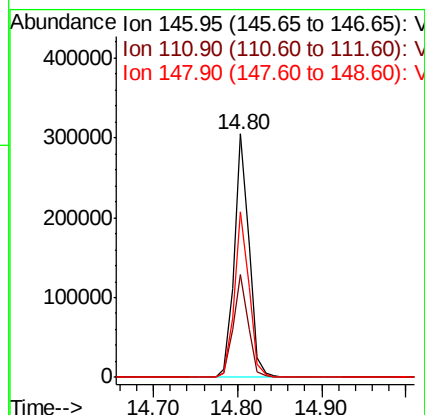
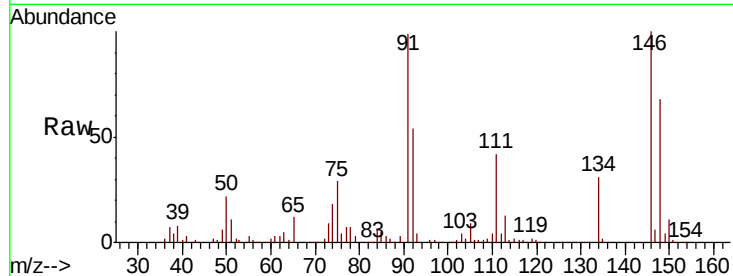




#91
 1,2-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

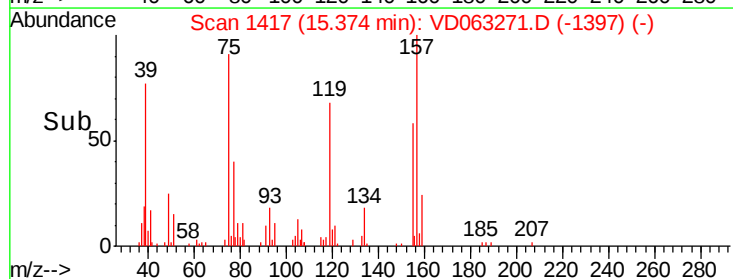
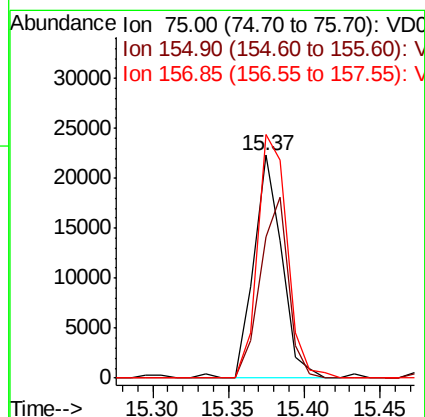
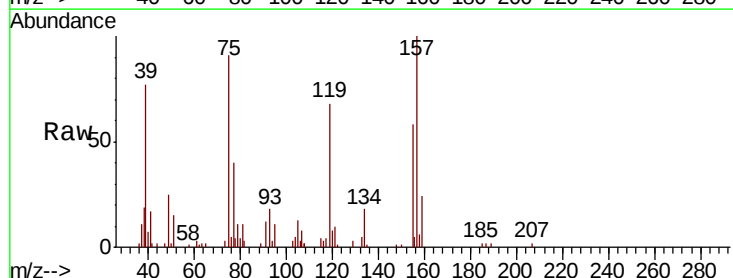
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

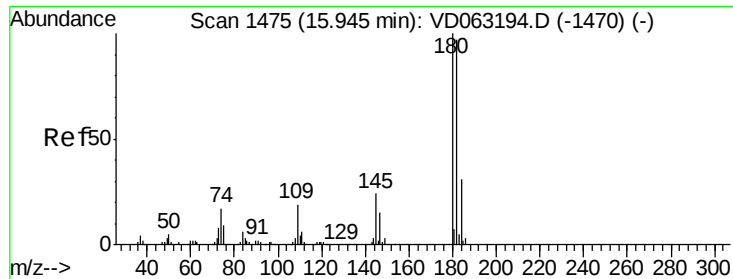
Tot Ion:146 Resp: 371856
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.3
 148 67.9 31.6 94.8



#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

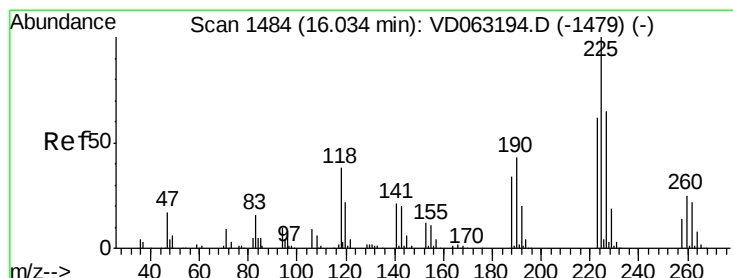
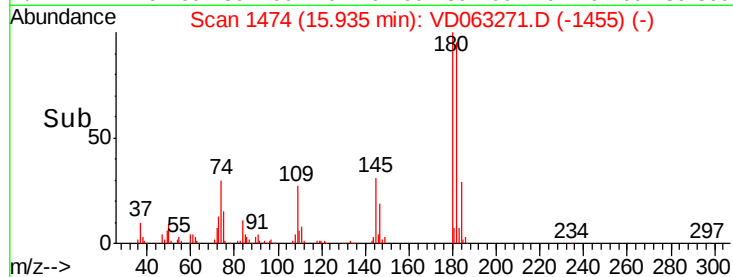
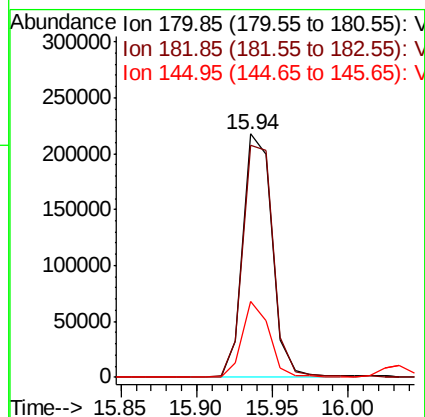
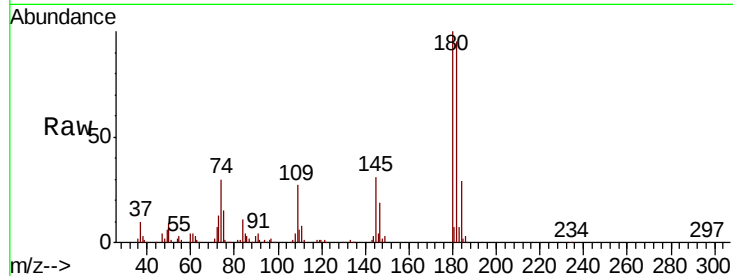




#93
 1,2,4-Trichlorobenzene
 Concen: 19.766 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063271.D
 Acq: 31 Jul 2019 11:43

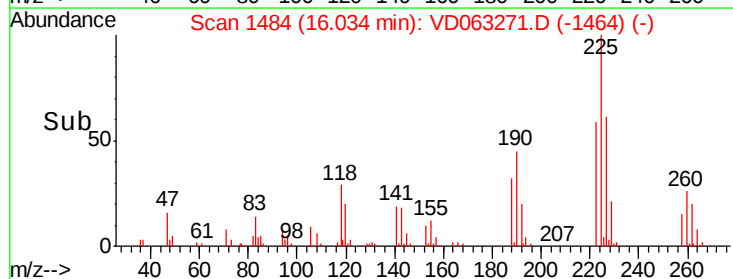
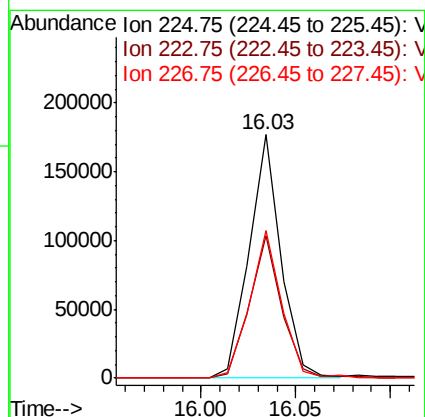
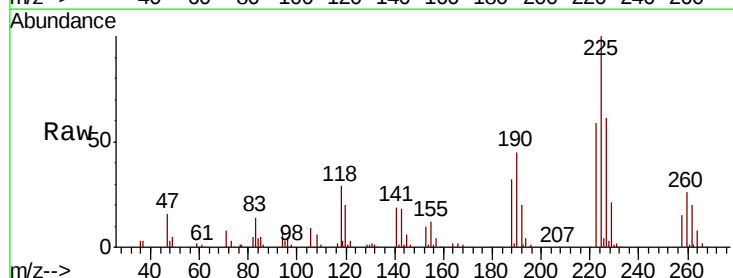
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBSD01

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

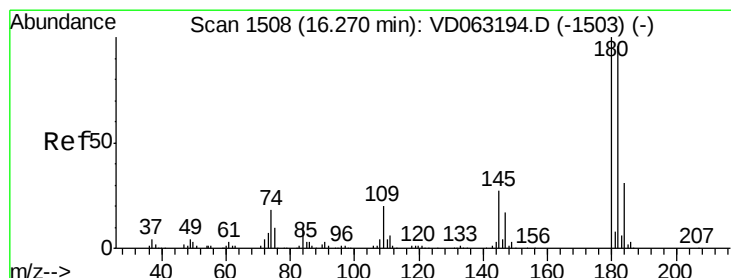
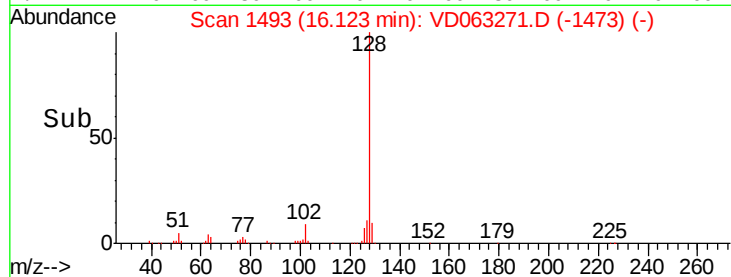
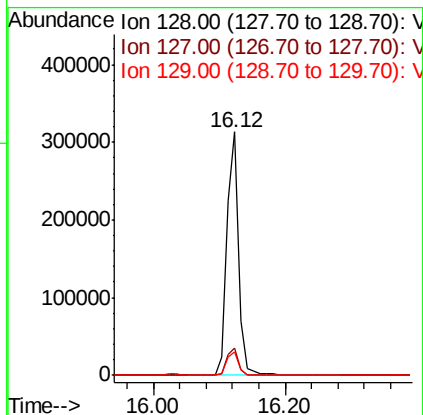
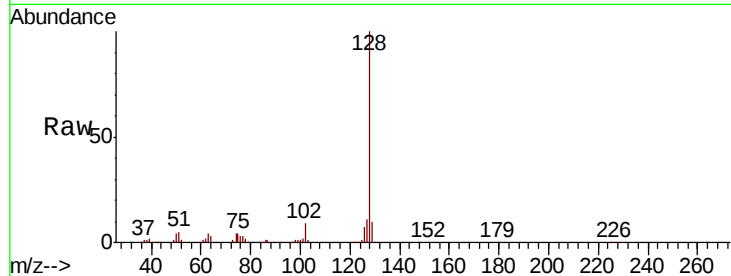




#95
Naphthalene
Concen: 18.610 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063271.D
Acq: 31 Jul 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

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



#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

