

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063002.D
 Acq On : 2 Jul 2019 11:37
 Operator : VA/AP
 Sample : VD0702SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Quant Time: Jul 03 00:56:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	903657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1242280	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1079959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	591164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	481123	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	6.93	113	495320	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	10.42	98	1114517	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	13.56	95	471418	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	267715	22.894	ug/l	98
3) Chloromethane	1.75	50	189618	21.561	ug/l	93
4) Vinyl Chloride	1.85	62	191245	21.933	ug/l	96
5) Bromomethane	2.15	94	79128	19.378	ug/l	99
6) Chloroethane	2.25	64	79870	20.232	ug/l	95
7) Trichlorofluoromethane	2.53	101	399537	22.641	ug/l	96
8) Diethyl Ether	2.87	74	51185	22.829	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	212495	22.227	ug/l	96
10) Methyl Iodide	3.31	142	255608	20.266	ug/l	98
11) Tert butyl alcohol	4.10	59	50793	113.537	ug/l #	83
12) 1,1-Dichloroethene	3.13	96	162895	22.714	ug/l	97
13) Acrolein	3.04	56	24329	53.270	ug/l	96
14) Allyl chloride	3.62	41	231742	21.869	ug/l	95
15) Acrylonitrile	4.21	53	120293	114.435	ug/l	96
16) Acetone	3.24	43	194110	93.056	ug/l	98
17) Carbon Disulfide	3.38	76	492534	21.489	ug/l	98
18) Methyl Acetate	3.65	43	85936	28.981	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	358662	23.102	ug/l	92
20) Methylene Chloride	3.82	84	183872	24.545	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	175127	22.934	ug/l	92
22) Diisopropyl ether	5.14	45	483206	22.422	ug/l	98
23) Vinyl Acetate	5.07	43	1409570	104.528	ug/l	98
24) 1,1-Dichloroethane	4.99	63	302524	21.561	ug/l	100
25) 2-Butanone	6.08	43	201481	109.672	ug/l	96
26) 2,2-Dichloropropane	6.02	77	330850	22.246	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	167748	20.773	ug/l	95
28) Bromochloromethane	6.45	49	112954	22.857	ug/l	91
29) Tetrahydrofuran	6.47	42	98072	112.828	ug/l	96
30) Chloroform	6.67	83	407878	23.903	ug/l	98
31) Cyclohexane	6.96	56	206427	22.379	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	387526	21.804	ug/l	93
36) 1,1-Dichloropropene	7.16	75	255097	21.692	ug/l	96
37) Ethyl Acetate	6.20	43	107352	21.094	ug/l	95
38) Carbon Tetrachloride	7.12	117	384951	21.765	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	204591	19.764	ug/l	97
40) Benzene	7.46	78	515143	21.823	ug/l	97
41) Methacrylonitrile	6.46	41	132622	21.385	ug/l	95
42) 1,2-Dichloroethane	7.59	62	290601	22.567	ug/l	100
43) Isopropyl Acetate	9.25	43	142524	23.117	ug/l #	98
44) Trichloroethene	8.55	130	201160	21.736	ug/l	94
45) 1,2-Dichloropropane	8.95	63	128811	21.945	ug/l	97
46) Dibromomethane	9.07	93	110950	22.004	ug/l	93
47) Bromodichloromethane	9.38	83	289772	22.128	ug/l	97
48) Methyl methacrylate	9.14	41	87998	20.085	ug/l	97
49) 1,4-Dioxane	9.10	88	17705	485.724	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	484002	110.725	ug/l	97
52) Toluene	10.51	92	336025	21.176	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	225712	21.059	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	243079	20.866	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	119918	21.997	ug/l	97
56) Ethyl methacrylate	11.06	69	127560	21.895	ug/l	90
57) 1,3-Dichloropropane	11.42	76	179792	21.539	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	273274	91.365	ug/l	98
59) 2-Hexanone	11.54	43	350588	112.617	ug/l	97
60) Dibromochloromethane	11.70	129	218474	21.515	ug/l	97
61) 1,2-Dibromoethane	11.81	107	140653	21.845	ug/l	100
64) Tetrachloroethene	11.26	164	182487	20.531	ug/l	92
65) Chlorobenzene	12.40	112	439481	21.927	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	193767	20.672	ug/l	91
67) Ethyl Benzene	12.53	91	774873	21.533	ug/l	98
68) m/p-Xylenes	12.67	106	542174	43.259	ug/l	100
69) o-Xylene	13.05	106	244356	21.328	ug/l	99
70) Styrene	13.07	104	428115	21.274	ug/l	99
71) Bromoform	13.24	173	135635	21.120	ug/l	94
73) Isopropylbenzene	13.41	105	795239	20.980	ug/l	97
74) N-amyl acetate	13.27	43	194651	21.146	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	130566	21.141	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	143370	21.008	ug/l	95
77) Bromobenzene	13.67	156	236526	23.200	ug/l	98
78) n-propylbenzene	13.78	91	936977	21.238	ug/l	98
79) 2-Chlorotoluene	13.84	91	533777	21.171	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	629745	19.780	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	37404	20.912	ug/l #	83
82) 4-Chlorotoluene	13.95	91	642452	21.166	ug/l	95
83) tert-Butylbenzene	14.20	119	776727	21.887	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	676760	20.739	ug/l	99
85) sec-Butylbenzene	14.37	105	813893	21.101	ug/l	99
86) p-Isopropyltoluene	14.49	119	774058	21.936	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	412006	22.544	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	391752	21.342	ug/l	98
89) n-Butylbenzene	14.80	91	672374	20.358	ug/l	98
90) Hexachloroethane	15.01	117	200782	21.163	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	334528	21.394	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23859	19.793	ug/l	81

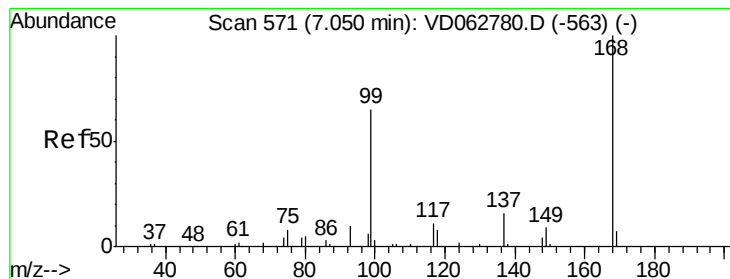
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070219\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	238620	19.536	ug/l	99
94) Hexachlorobutadiene	16.04	225	207958	22.286	ug/l	97
95) Naphthalene	16.13	128	357073	20.857	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	200065	21.318	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

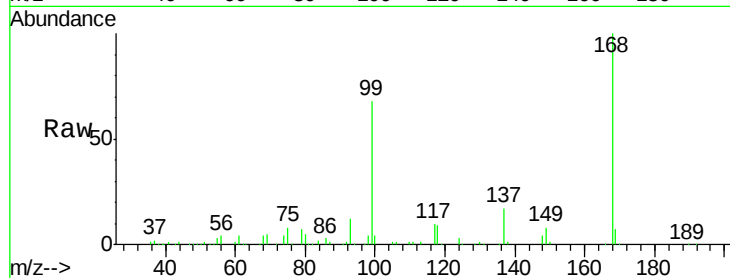
VD0702SBS01

Tot Ion:168 Resp: 903657

Ion Ratio Lower Upper

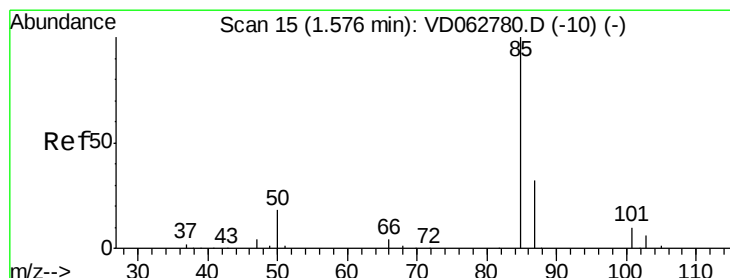
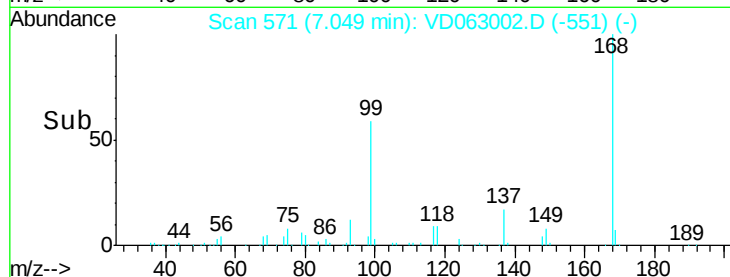
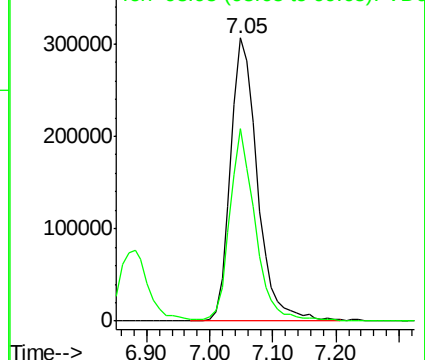
168 100

99 67.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.894 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063002.D

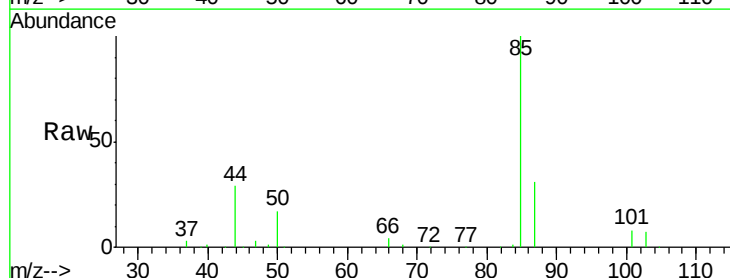
Acq: 2 Jul 2019 11:37

Tgt Ion: 85 Resp: 267715

Ion Ratio Lower Upper

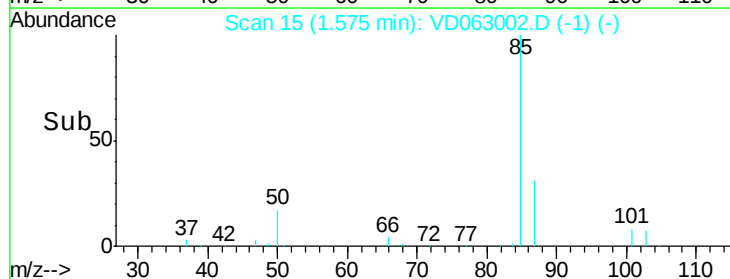
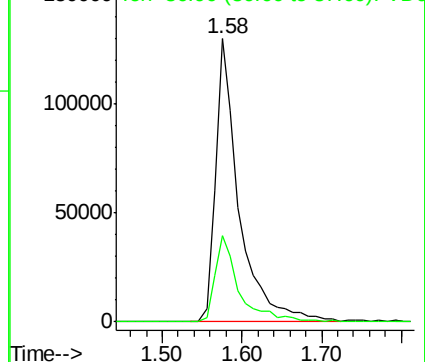
85 100

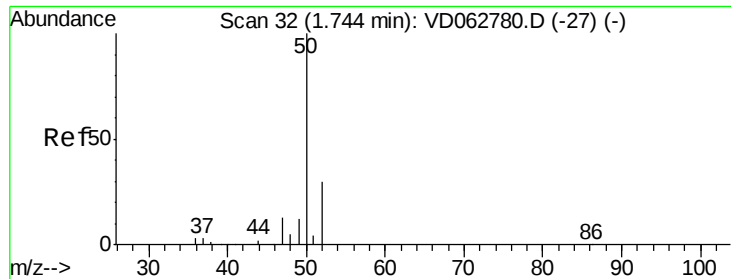
87 30.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.561 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

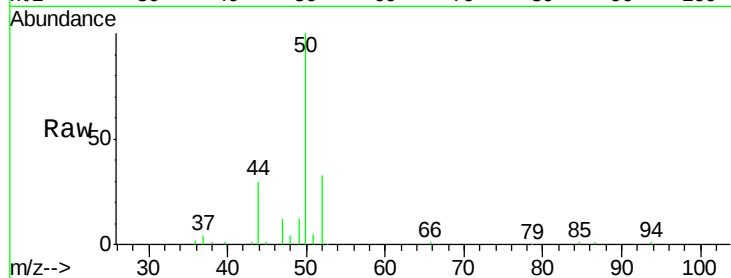
VD0702SBS01

Tot Ion: 50 Resp: 189618

Ion Ratio Lower Upper

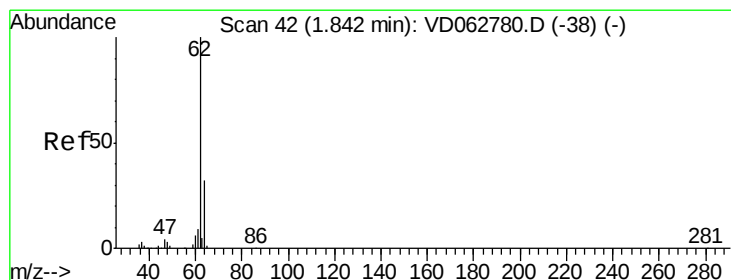
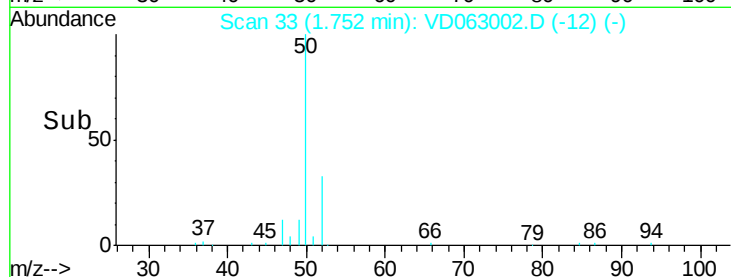
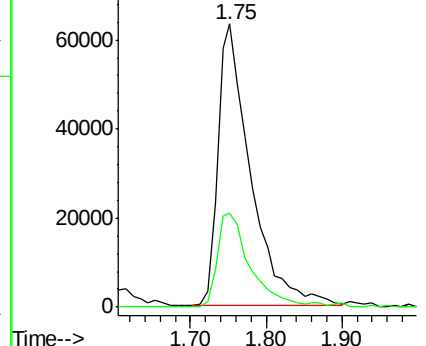
50 100

52 33.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.933 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063002.D

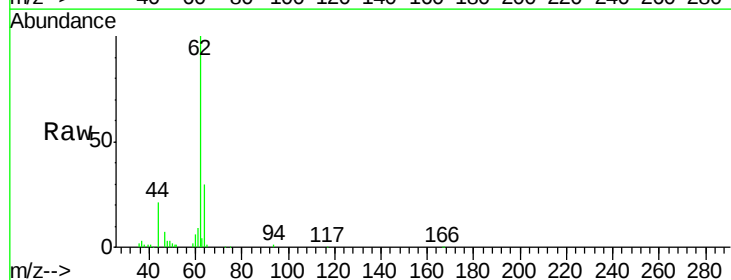
Acq: 2 Jul 2019 11:37

Tgt Ion: 62 Resp: 191245

Ion Ratio Lower Upper

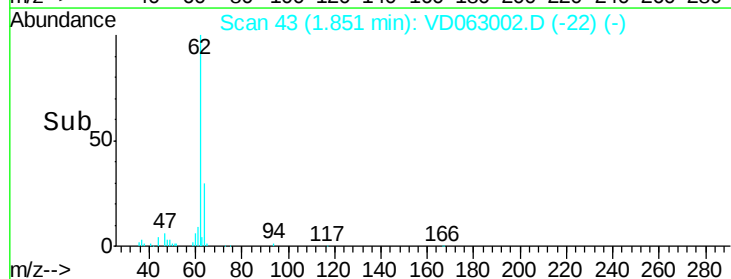
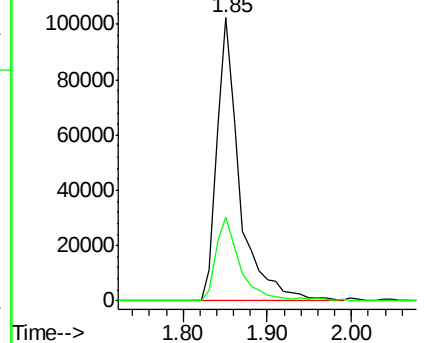
62 100

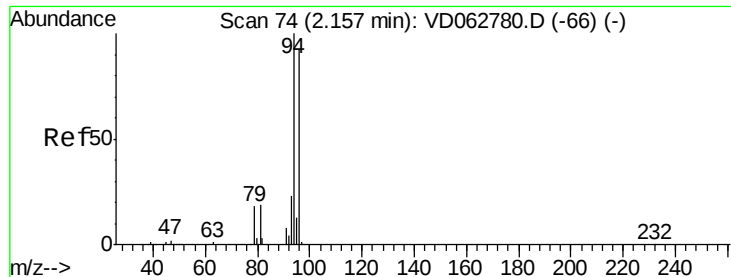
64 29.6 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.378 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

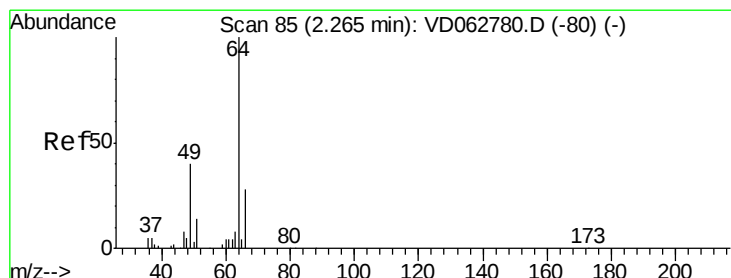
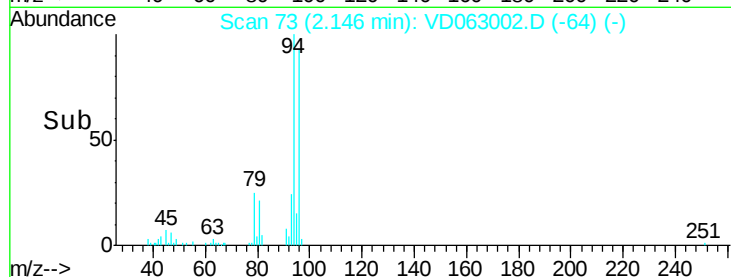
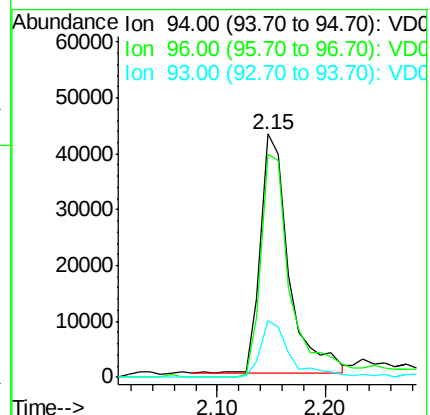
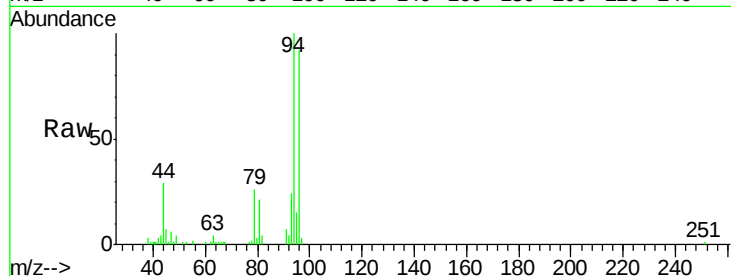
Tot Ion: 94 Resp: 79128

Ion Ratio Lower Upper

94 100

96 91.5 73.4 110.2

93 23.5 18.2 27.4



#6

Chloroethane

Concen: 20.232 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063002.D

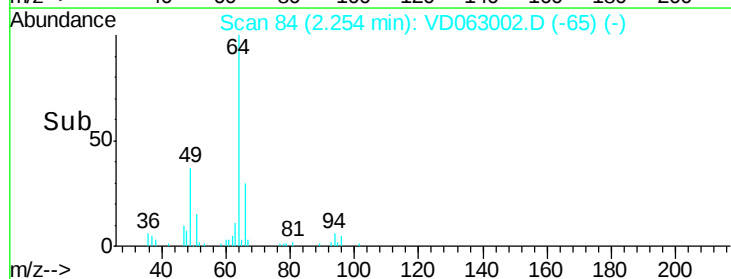
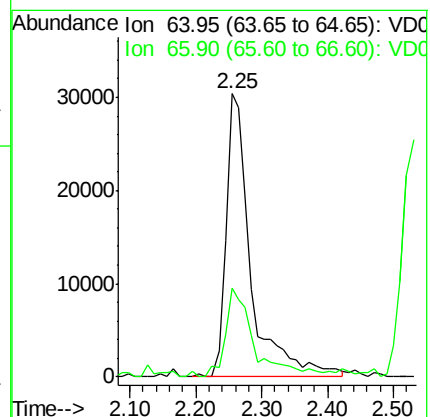
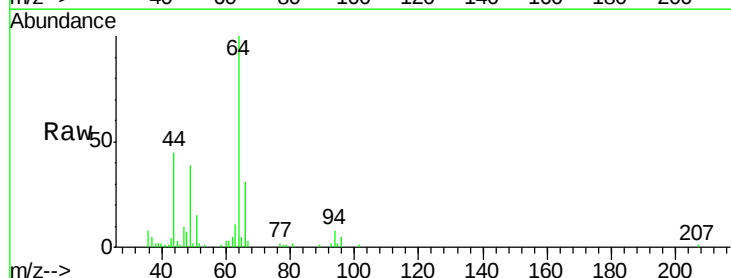
Acq: 2 Jul 2019 11:37

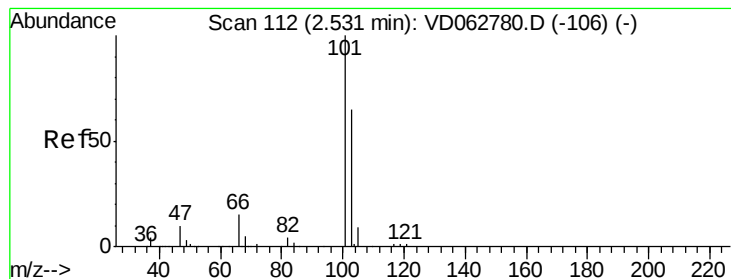
Tgt Ion: 64 Resp: 79870

Ion Ratio Lower Upper

64 100

66 31.2 23.0 34.4



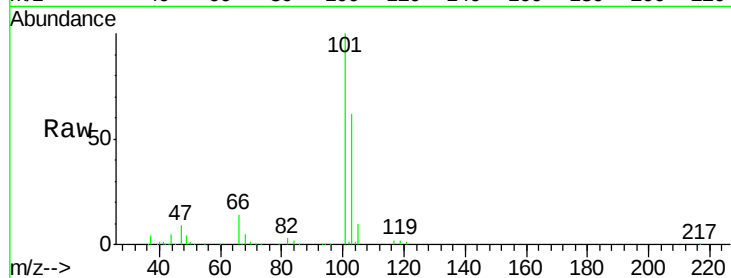


#7

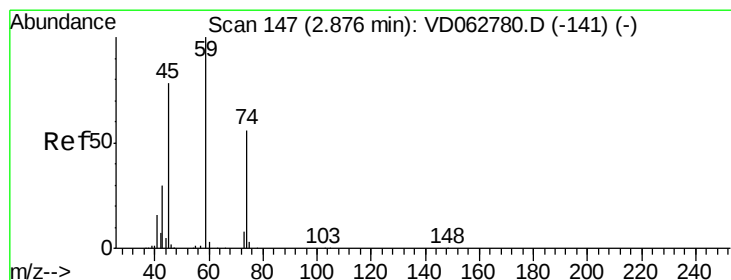
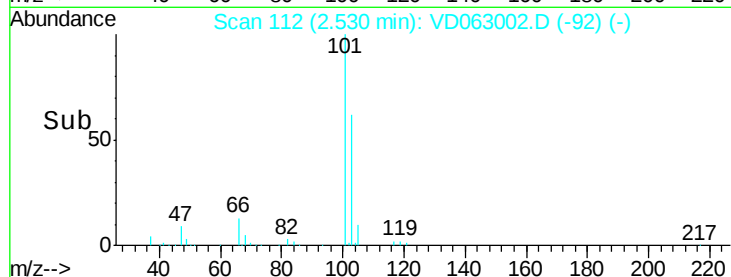
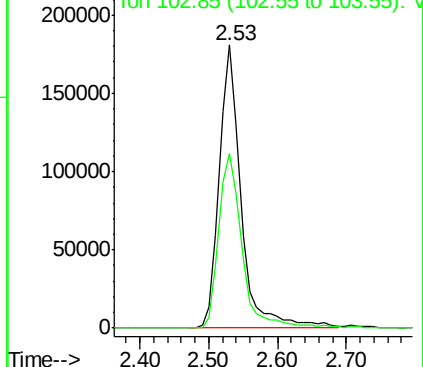
Trichlorofluoromethane
Concen: 22.641 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion:101 Resp: 399537
Ion Ratio Lower Upper
101 100
103 61.8 51.8 77.8



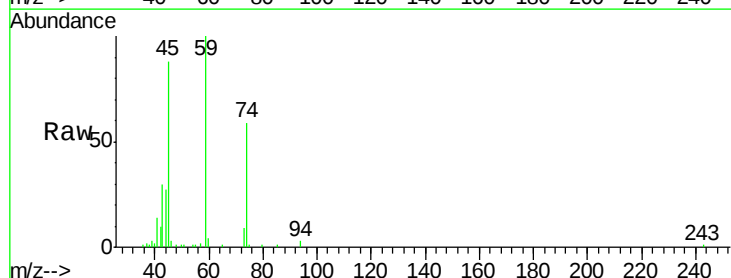
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



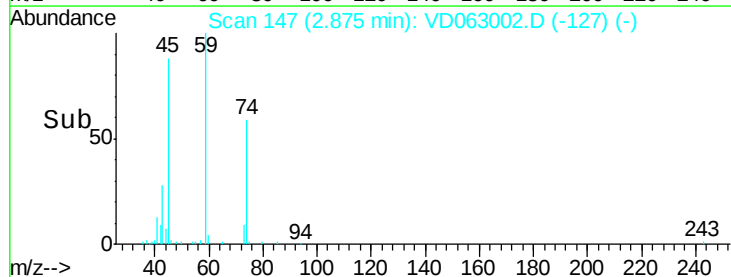
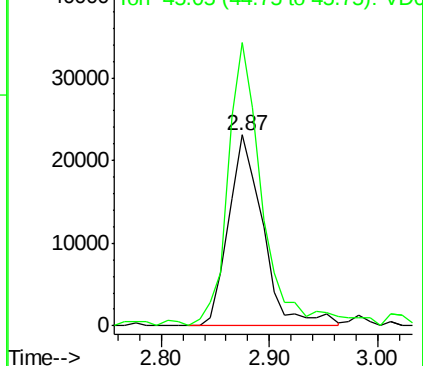
#8

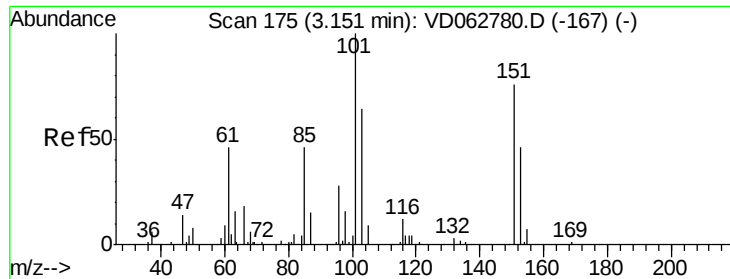
Diethyl Ether
Concen: 22.829 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 74 Resp: 51185
Ion Ratio Lower Upper
74 100
45 148.1 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.227 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

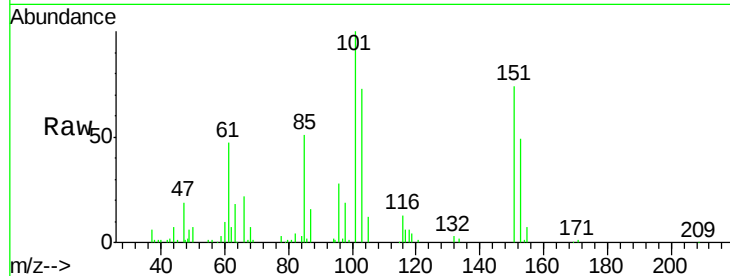
Tot Ion:101 Resp: 212495

Ion Ratio Lower Upper

101 100

85 51.1 37.0 55.4

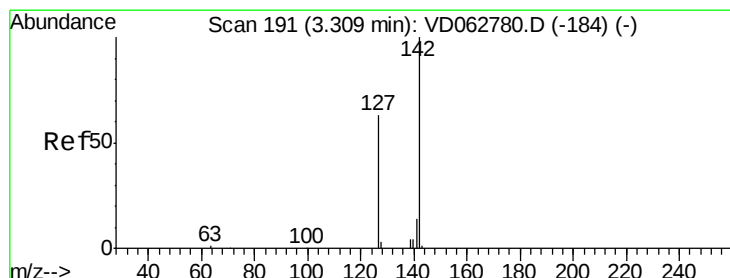
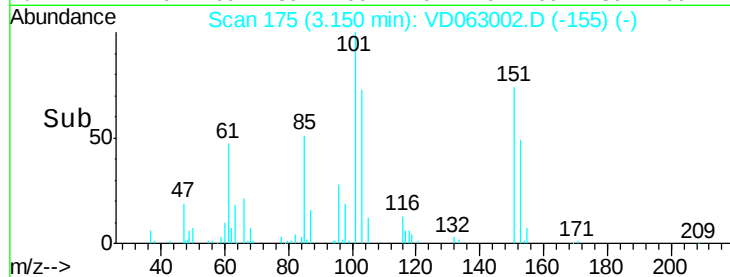
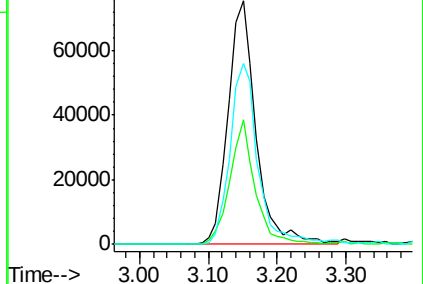
151 74.3 60.5 90.7



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: 20.266 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

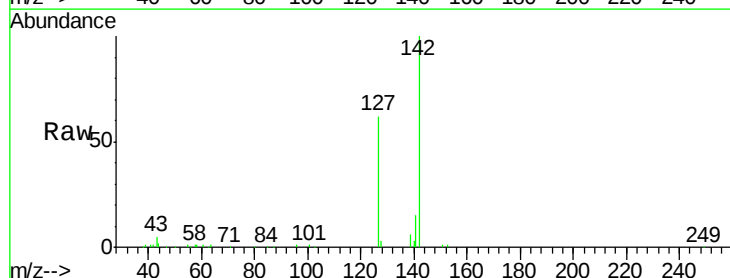
Tgt Ion:142 Resp: 255608

Ion Ratio Lower Upper

142 100

127 61.6 50.1 75.1

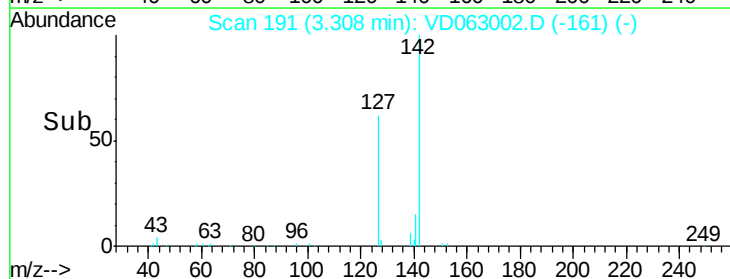
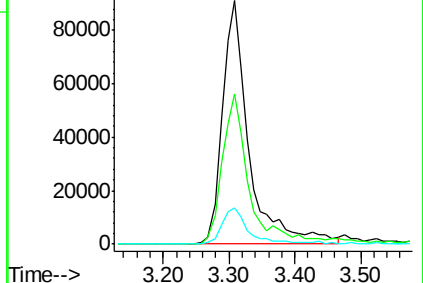
141 14.8 11.0 16.4

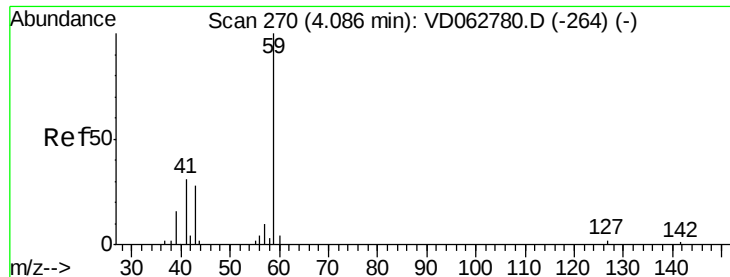


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

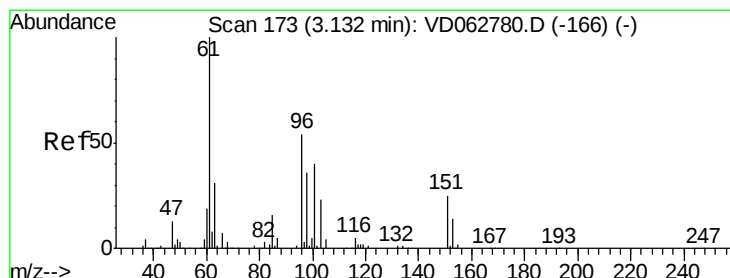
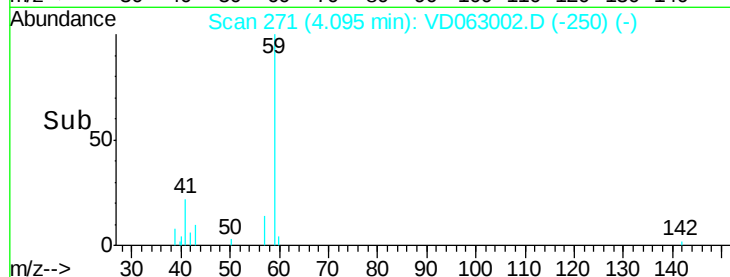
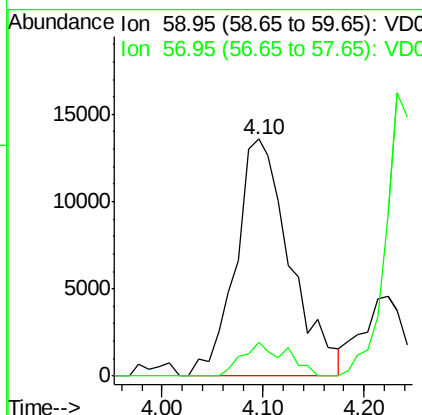
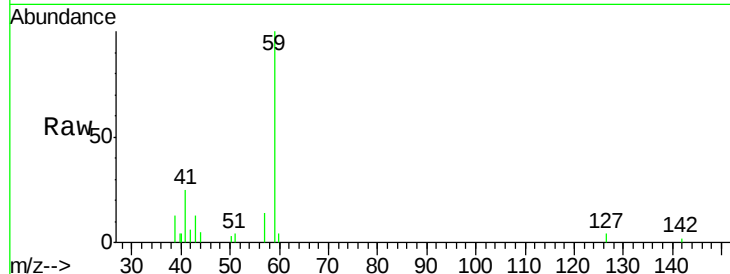




#11
Tert butyl alcohol
Concen: 113.537 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

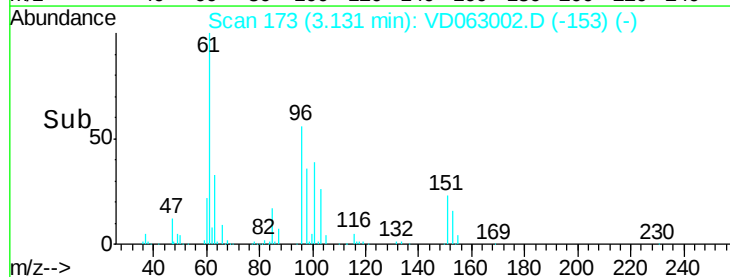
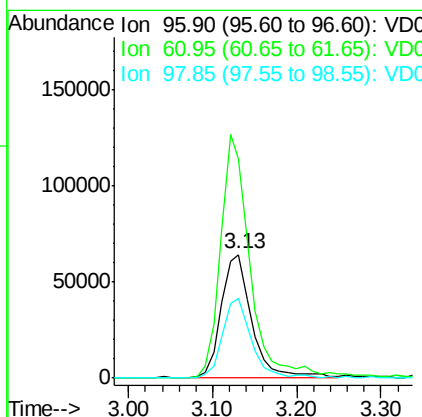
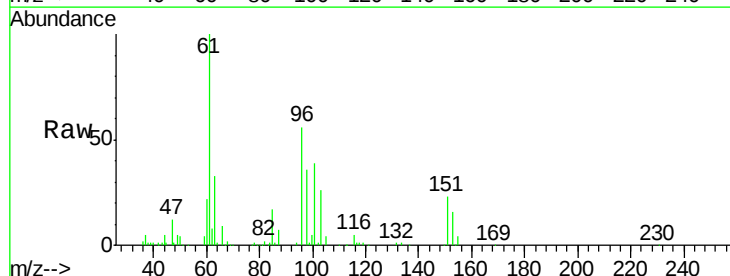
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 59 Resp: 50793
Ion Ratio Lower Upper
59 100
57 14.4 6.6 10.0#



#12
1,1-Dichloroethene
Concen: 22.714 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 96 Resp: 162895
Ion Ratio Lower Upper
96 100
61 178.2 147.1 220.7
98 64.3 52.6 79.0





#13

Acrolein

Concen: 53.270 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

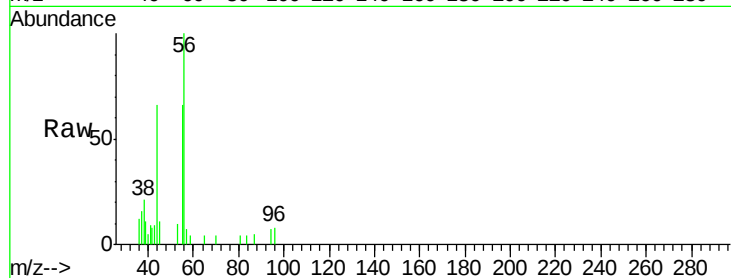
VD0702SBS01

Tot Ion: 56 Resp: 24329

Ion Ratio Lower Upper

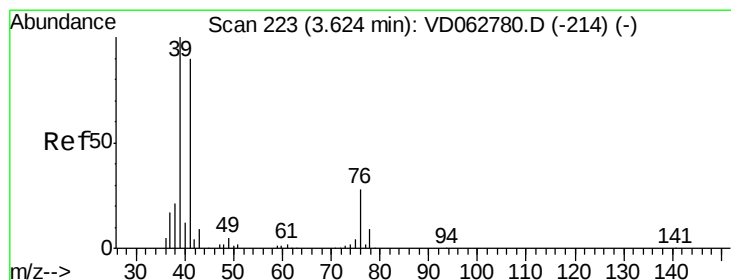
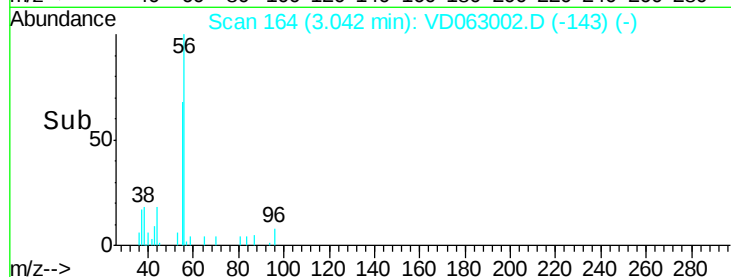
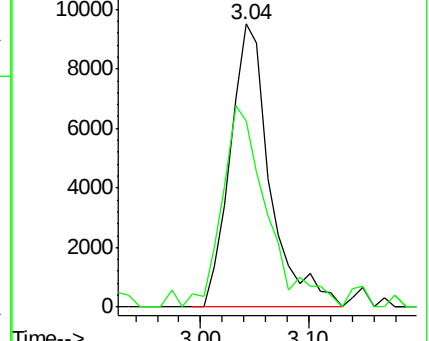
56 100

55 65.8 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.869 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

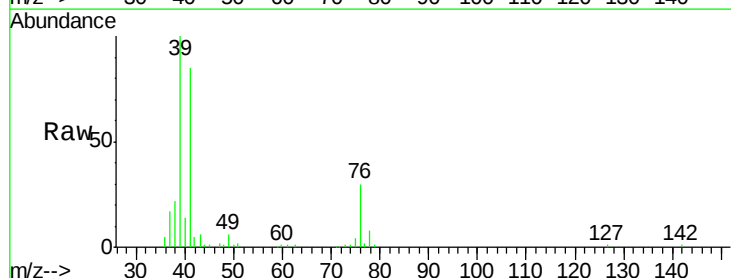
Tgt Ion: 41 Resp: 231742

Ion Ratio Lower Upper

41 100

39 117.4 88.8 133.2

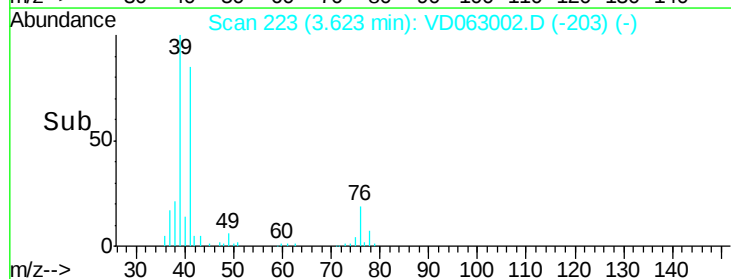
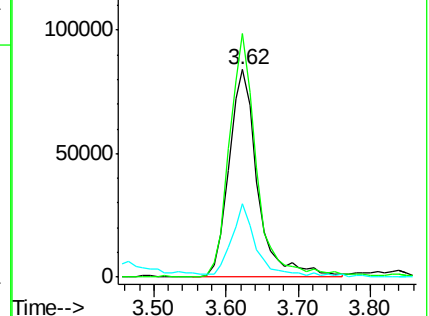
76 35.4 26.7 40.1

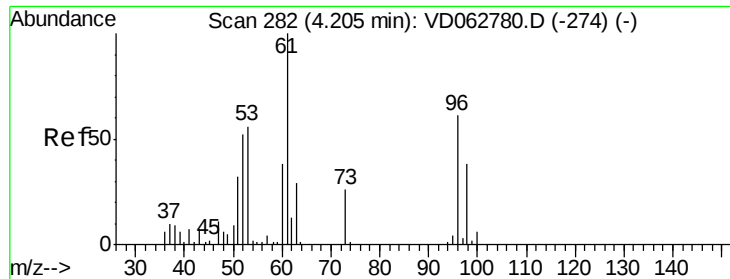


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

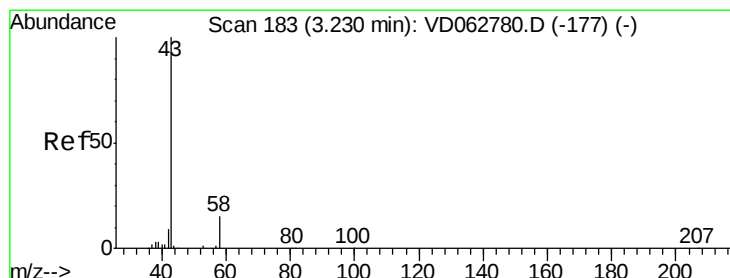
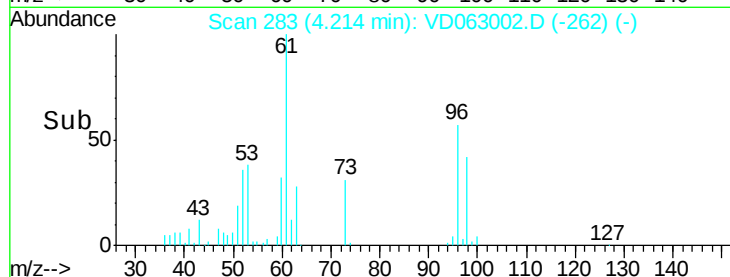
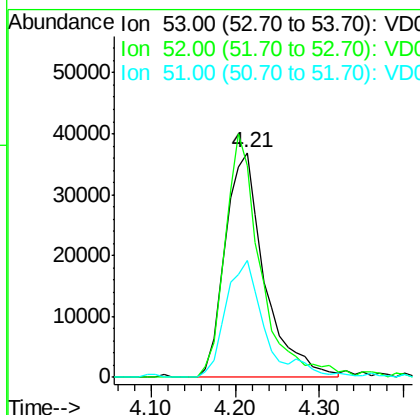
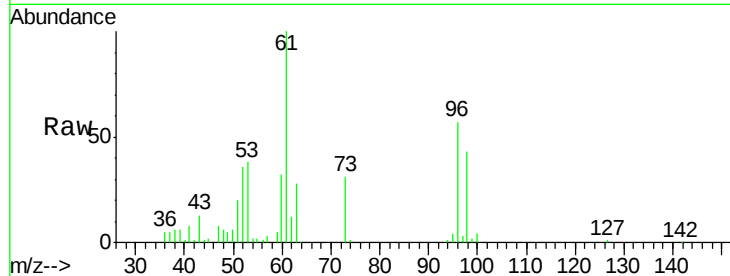




#15
 Acrylonitrile
 Concen: 114.435 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

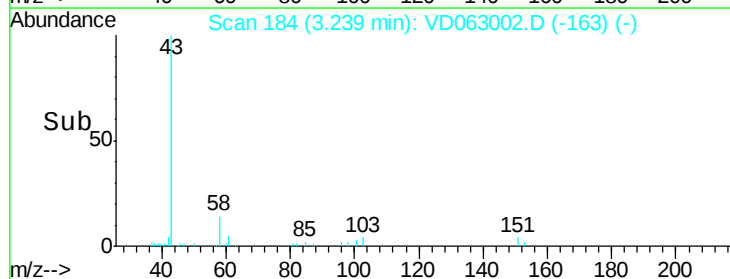
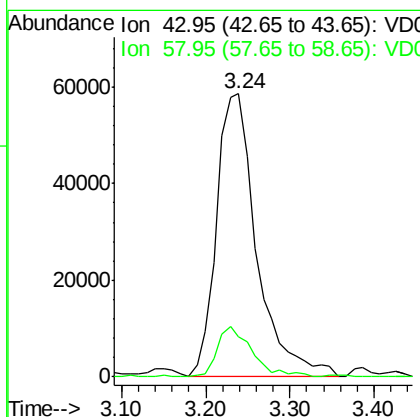
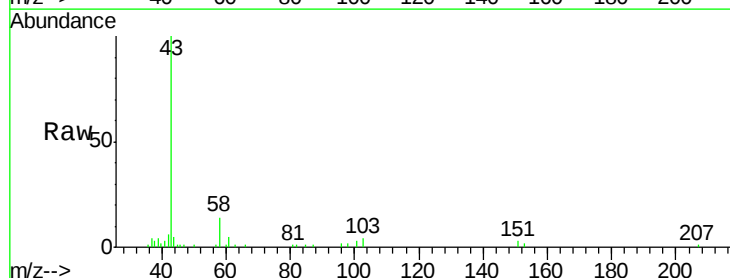
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0702SBS01

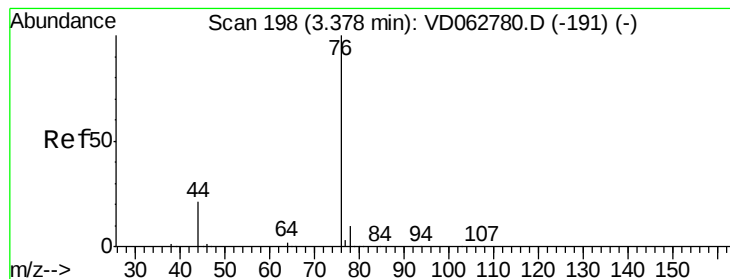
Tot Ion: 53 Resp: 120293
 Ion Ratio Lower Upper
 53 100
 52 94.3 73.3 109.9
 51 51.9 44.8 67.2



#16
 Acetone
 Concen: 93.056 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 43 Resp: 194110
 Ion Ratio Lower Upper
 43 100
 58 14.2 11.9 17.9





#17

Carbon Disulfide

Concen: 21.489 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

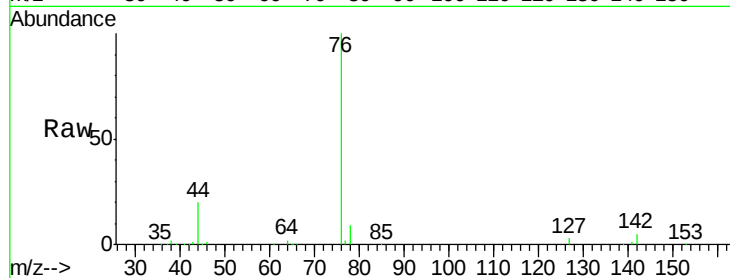
VD0702SBS01

Tot Ion: 76 Resp: 492534

Ion Ratio Lower Upper

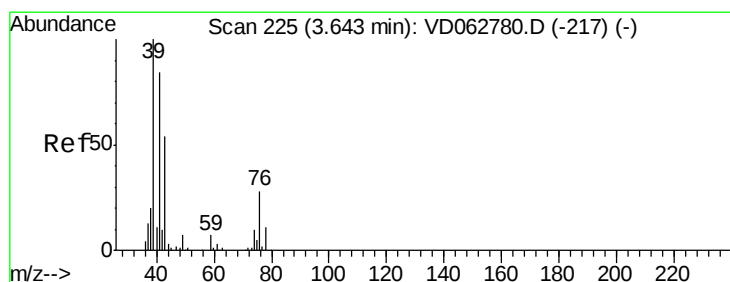
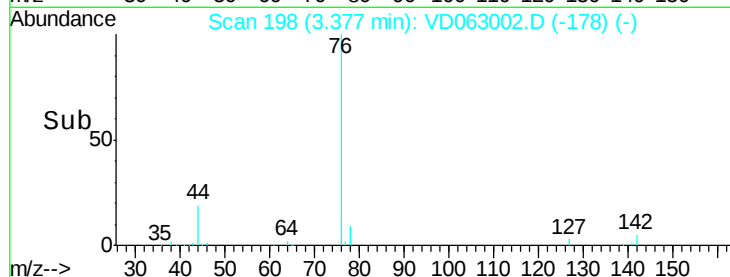
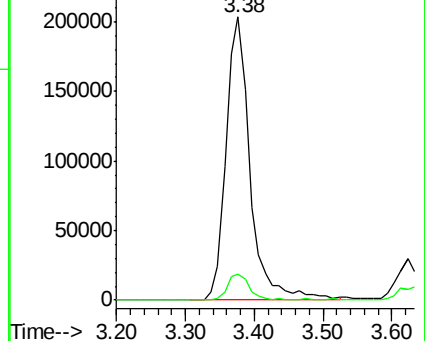
76 100

78 9.3 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 28.981 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063002.D

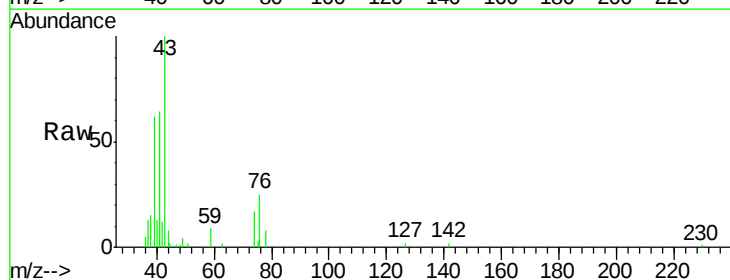
Acq: 2 Jul 2019 11:37

Tgt Ion: 43 Resp: 85936

Ion Ratio Lower Upper

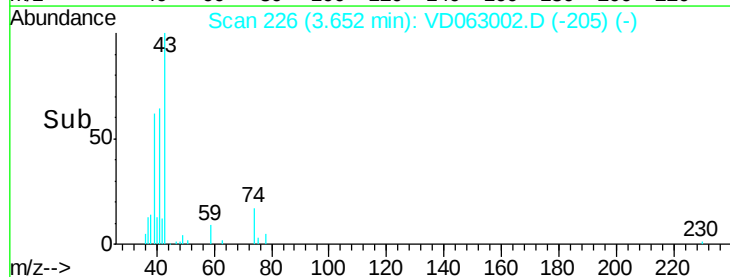
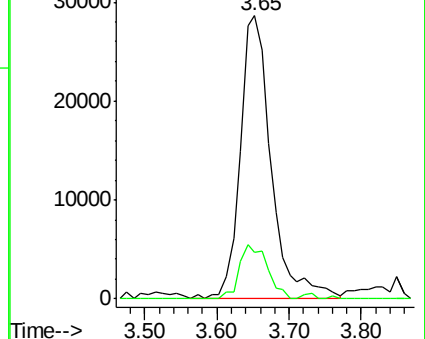
43 100

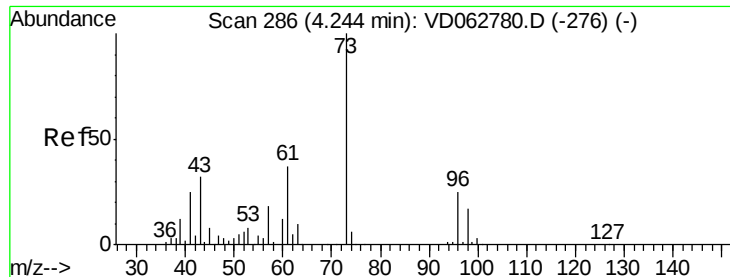
74 16.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

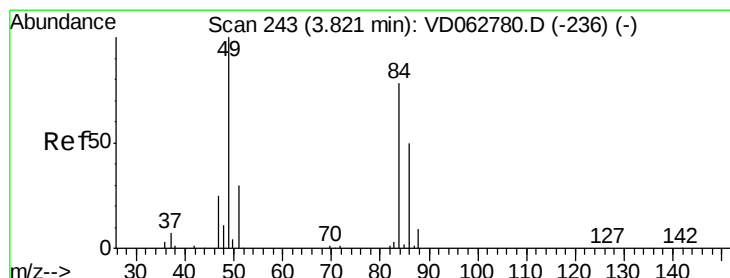
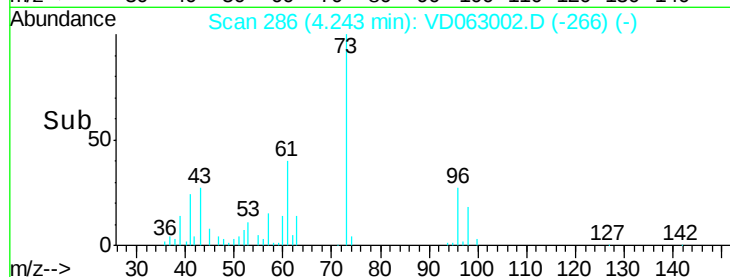
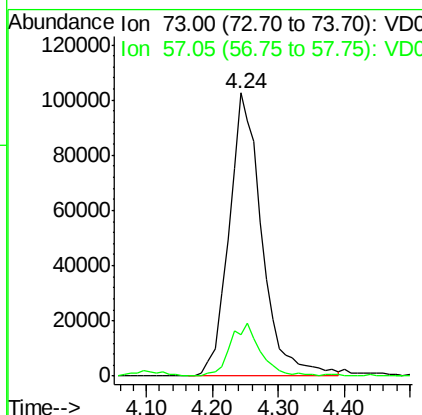
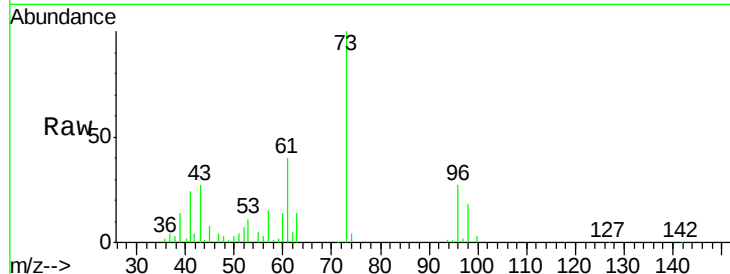




#19
Methvl tert-butvl Ether
Concen: 23.102 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

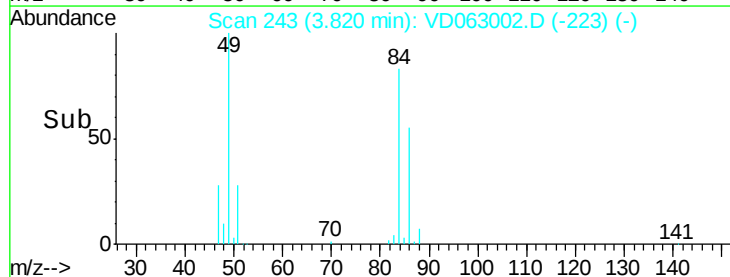
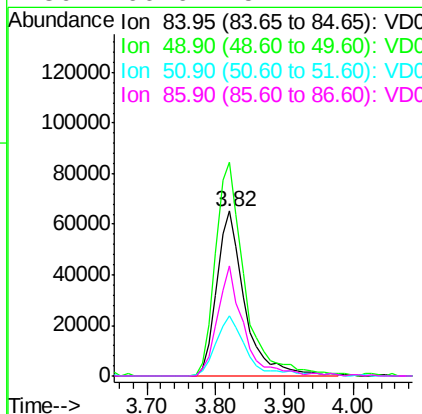
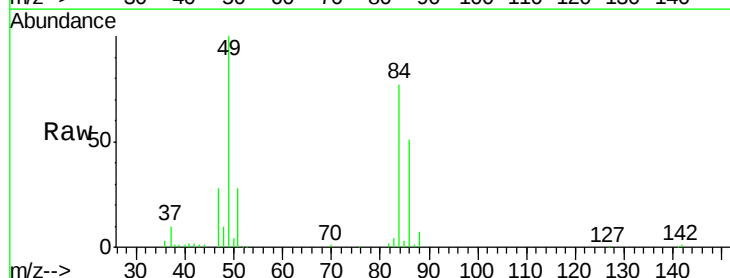
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 73 Resp: 358662
Ion Ratio Lower Upper
73 100
57 14.5 14.3 21.5



#20
Methylene Chloride
Concen: 24.545 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 84 Resp: 183872
Ion Ratio Lower Upper
84 100
49 129.7 102.9 154.3
51 36.5 31.2 46.8
86 66.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.934 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

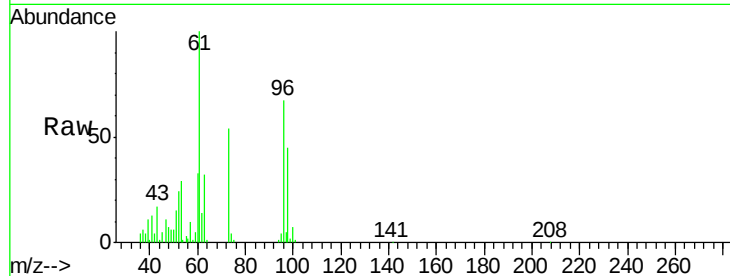
Tot Ion: 96 Resp: 175127

Ion Ratio Lower Upper

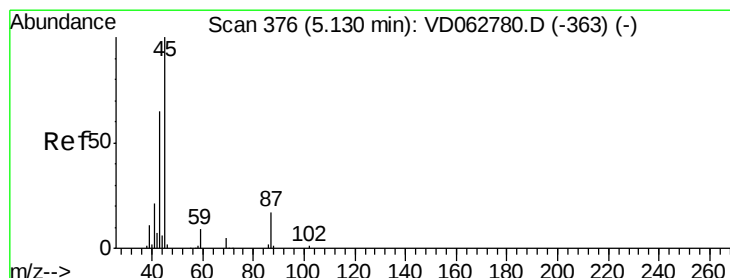
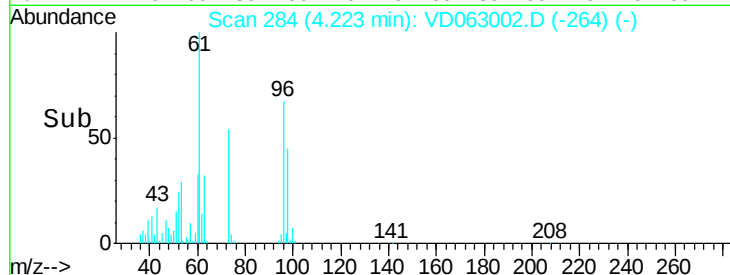
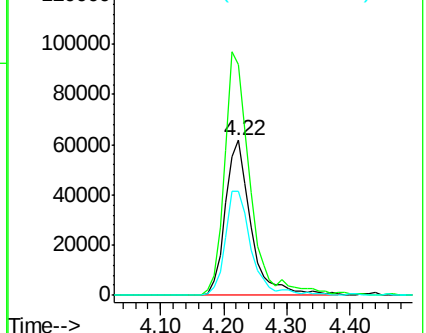
96 100

61 149.3 131.0 196.4

98 66.8 53.2 79.8



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: 22.422 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Tgt Ion: 45 Resp: 483206

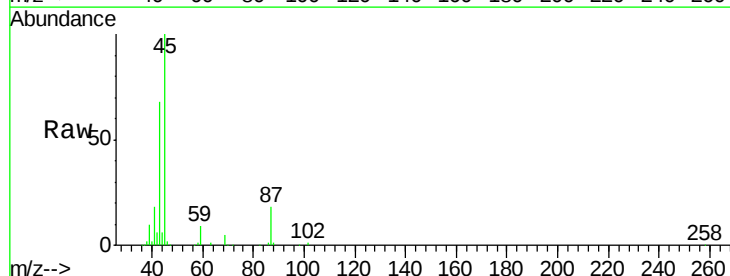
Ion Ratio Lower Upper

45 100

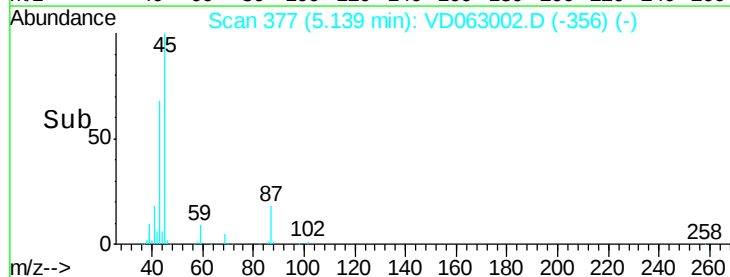
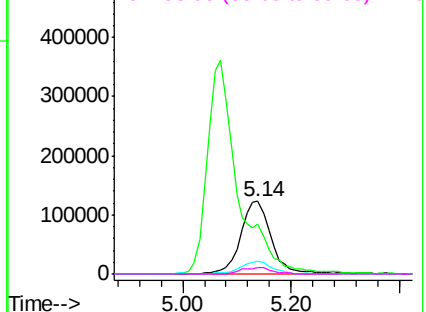
43 67.9 53.4 80.0

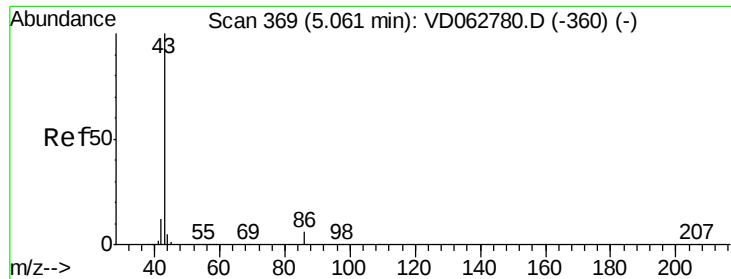
87 17.7 14.6 22.0

59 9.1 7.8 11.8



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: 104.528 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

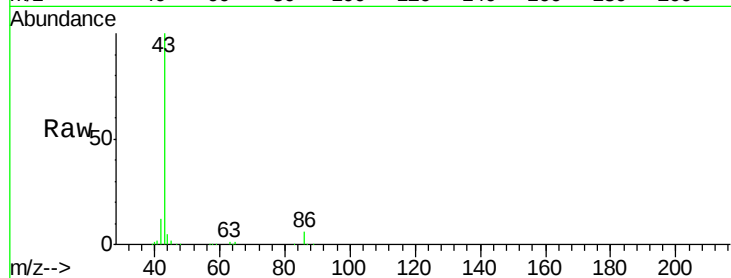
VD0702SBS01

Tot Ion: 43 Resp: 1409570

Ion Ratio Lower Upper

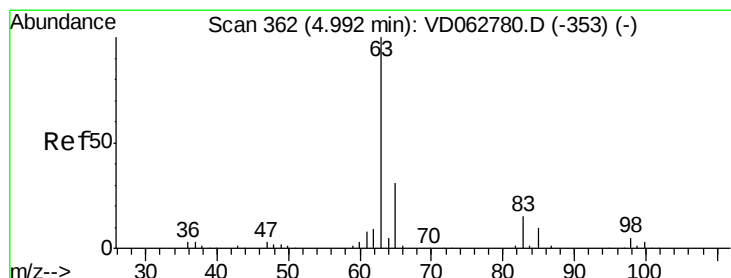
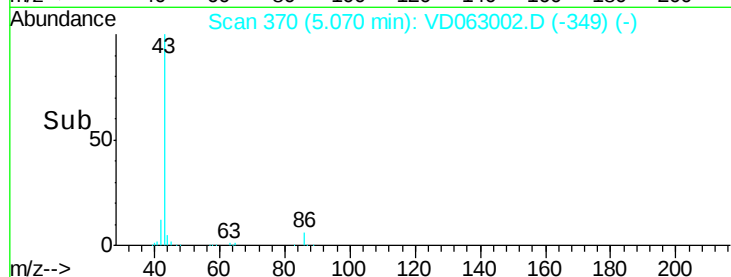
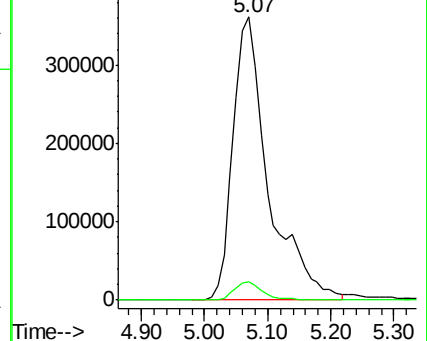
43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.561 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

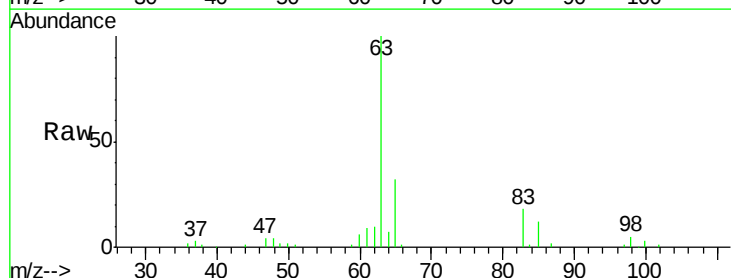
Tgt Ion: 63 Resp: 302524

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

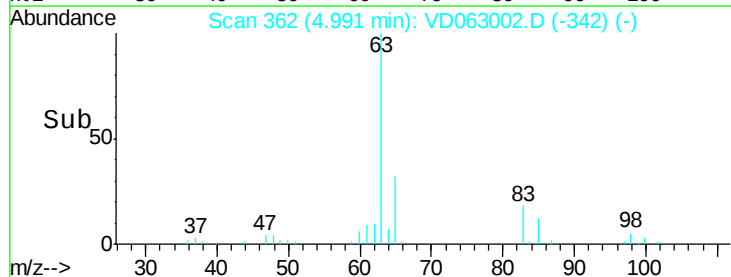
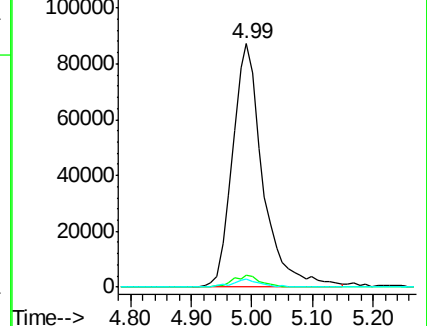
100 3.5 1.7 5.1

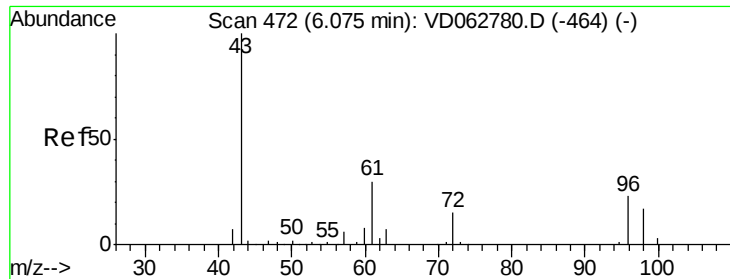


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.672 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

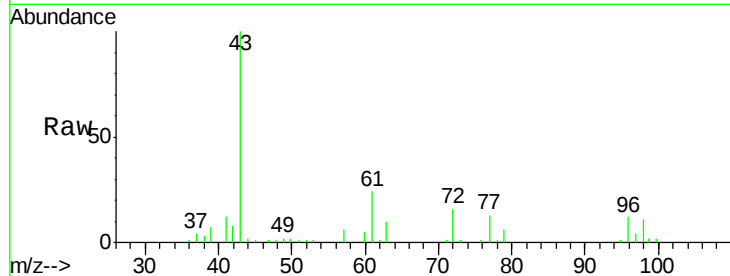
VD0702SBS01

Tot Ion: 43 Resp: 201481

Ion Ratio Lower Upper

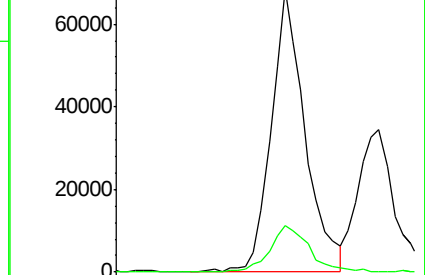
43 100

72 16.4 11.9 17.9

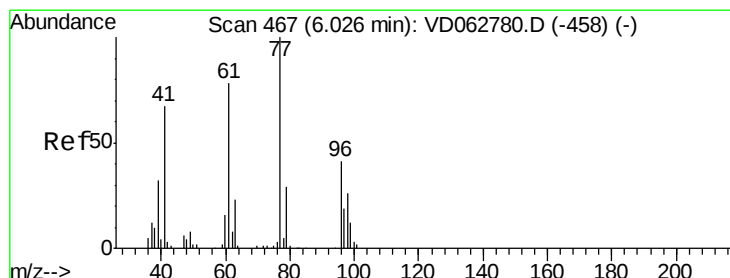
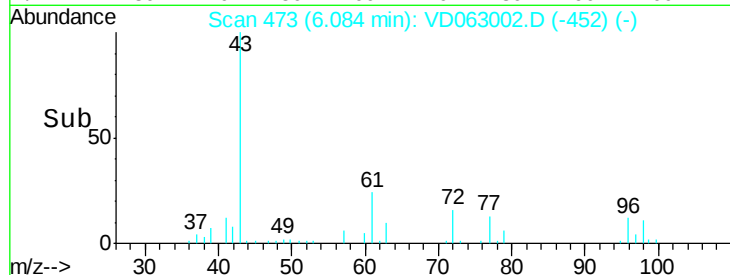


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 22.246 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063002.D

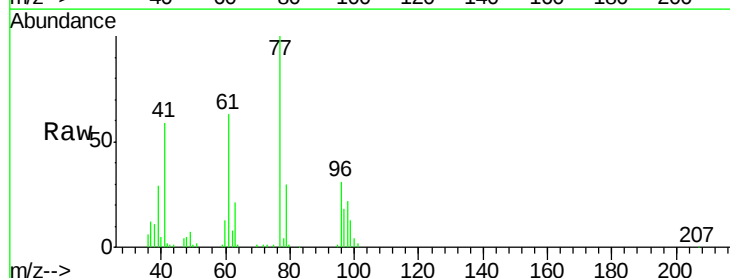
Acq: 2 Jul 2019 11:37

Tgt Ion: 77 Resp: 330850

Ion Ratio Lower Upper

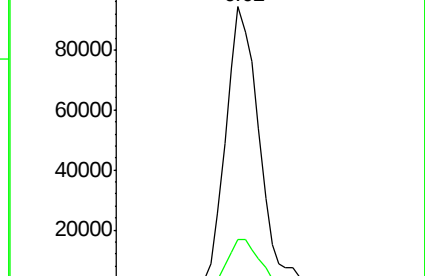
77 100

97 17.6 9.5 28.5

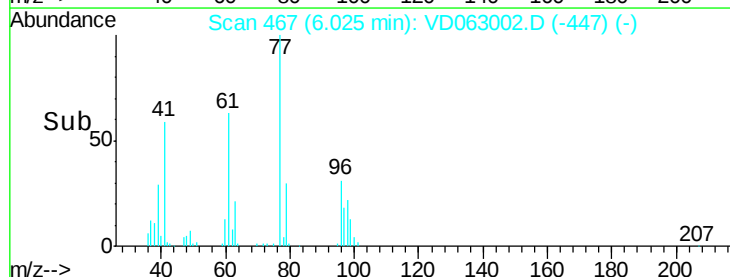


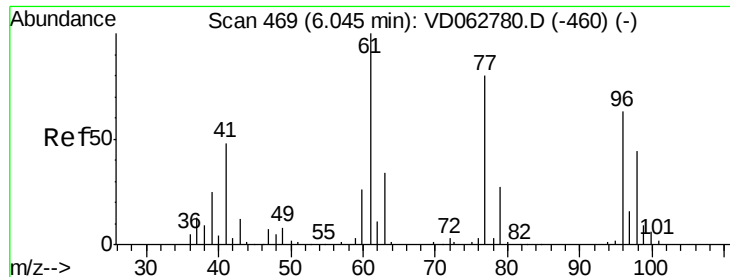
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



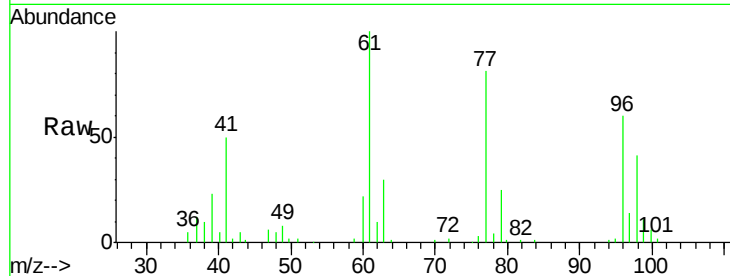


#27

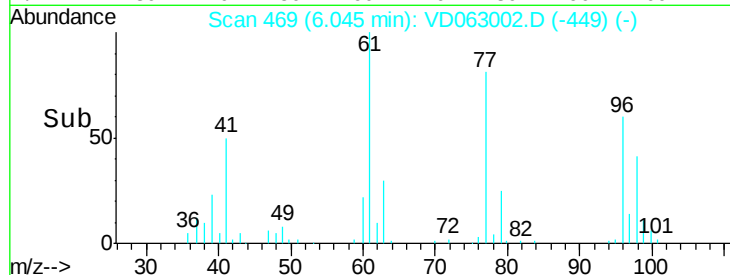
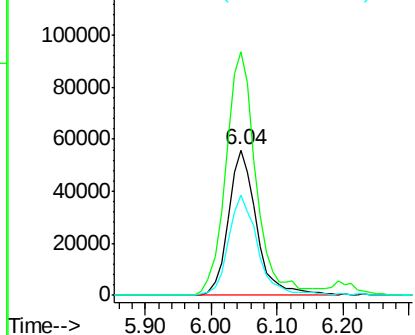
cis-1,2-Dichloroethene
Concen: 20.773 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 96 Resp: 167748
Ion Ratio Lower Upper
96 100
61 167.7 0.0 316.0
98 69.4 0.0 138.4



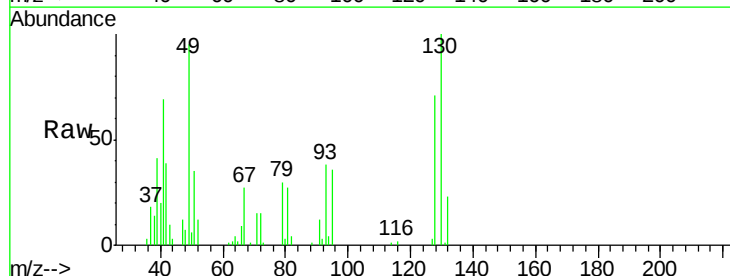
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



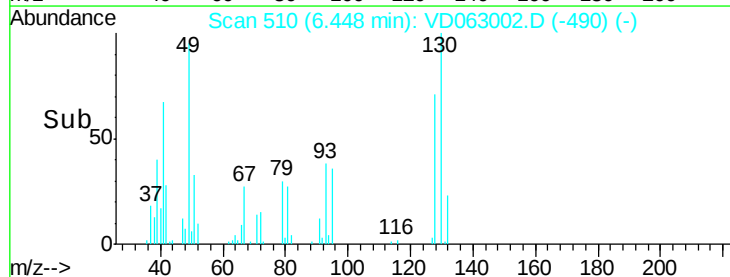
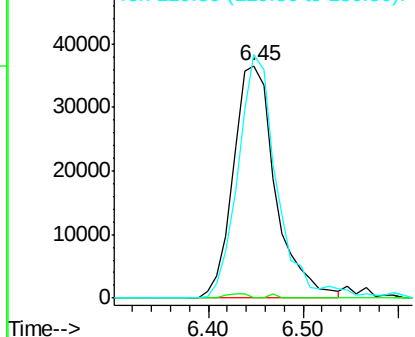
#28

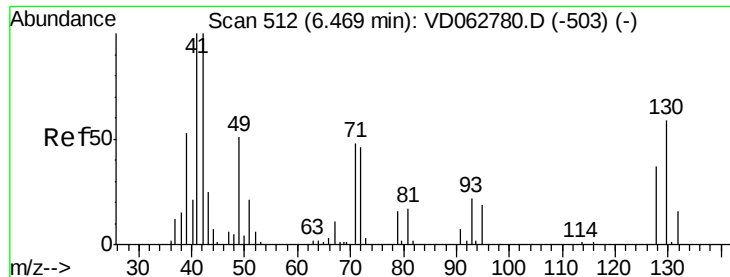
Bromochloromethane
Concen: 22.857 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 49 Resp: 112954
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 104.7 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 112.828 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

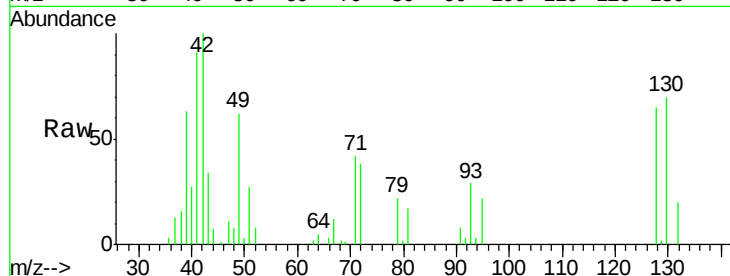
Tot Ion: 42 Resp: 98072

Ion Ratio Lower Upper

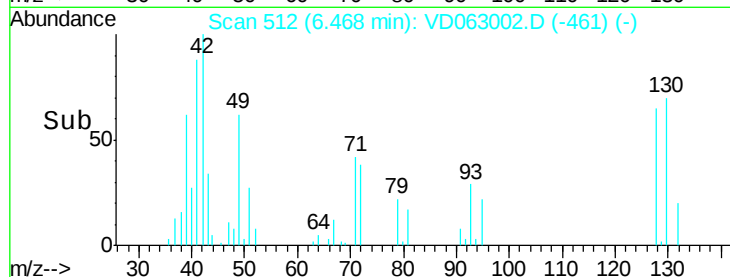
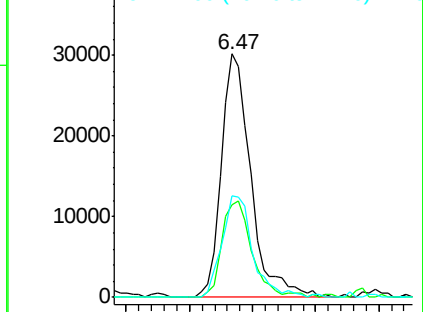
42 100

72 40.1 35.0 52.6

71 43.0 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.903 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063002.D

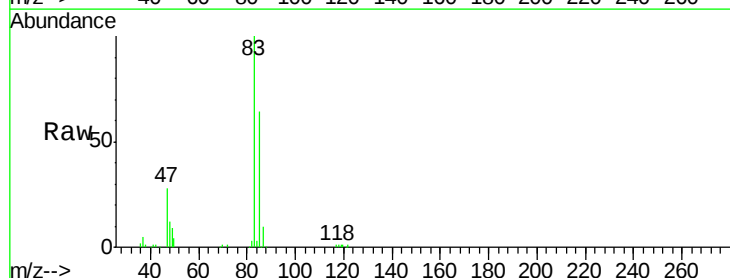
Acq: 2 Jul 2019 11:37

Tgt Ion: 83 Resp: 407878

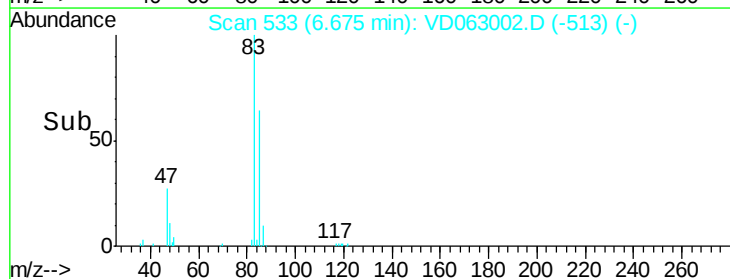
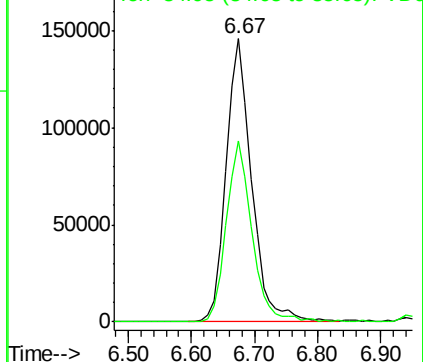
Ion Ratio Lower Upper

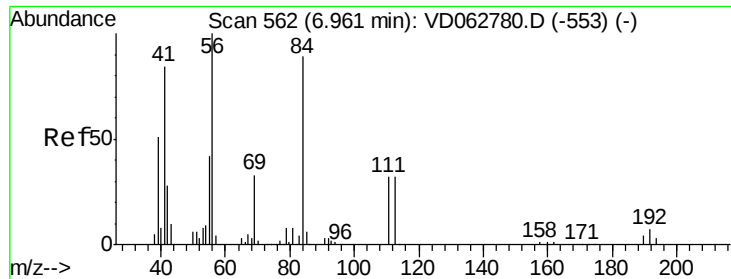
83 100

85 63.8 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

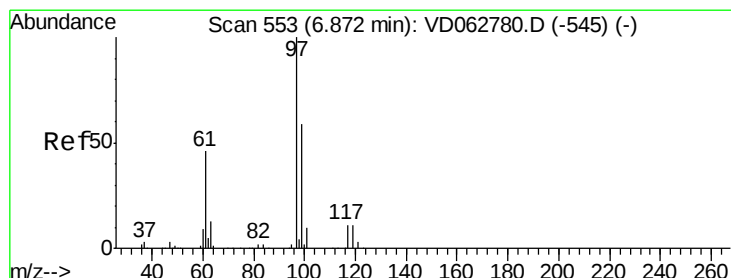
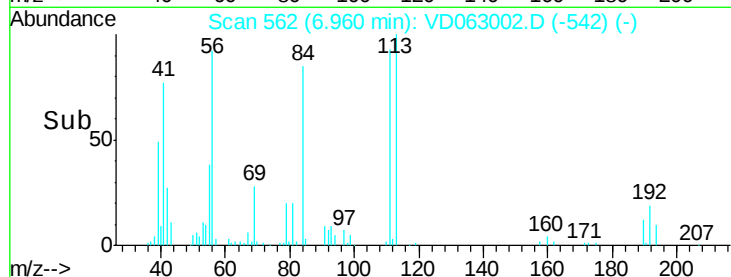
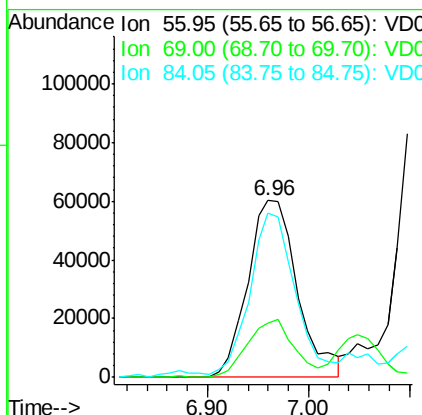
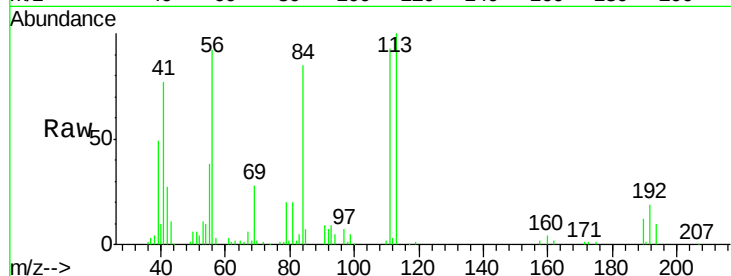




#31
Cyclohexane
Concen: 22.379 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

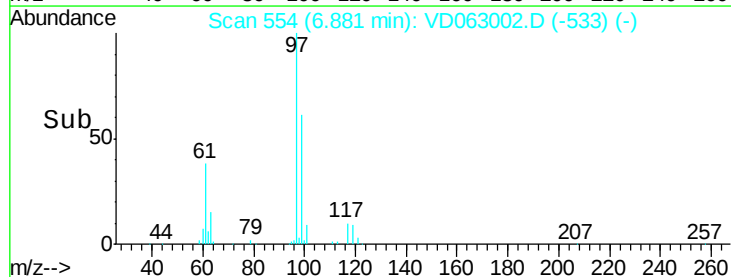
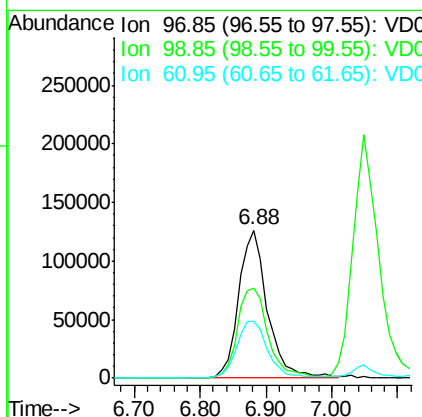
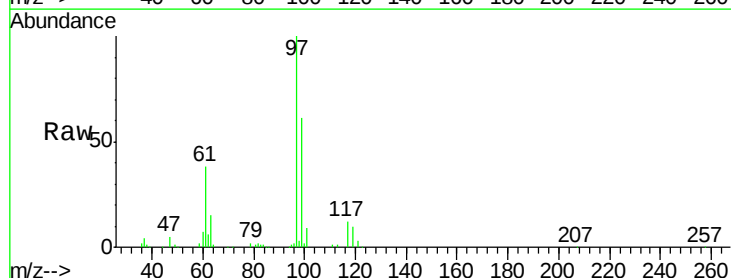
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

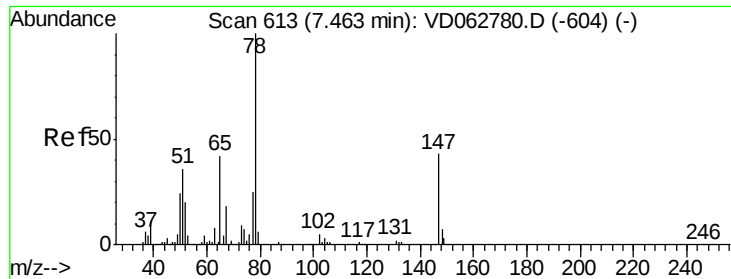
Tot Ion: 56 Resp: 206427
Ion Ratio Lower Upper
56 100
69 31.0 26.6 39.8
84 93.0 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 21.804 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 97 Resp: 387526
Ion Ratio Lower Upper
97 100
99 61.0 47.4 71.2
61 38.2 37.2 55.8

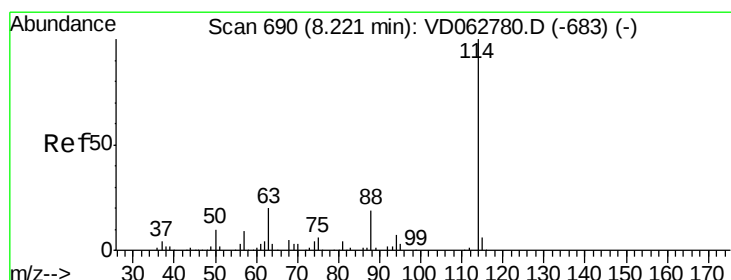
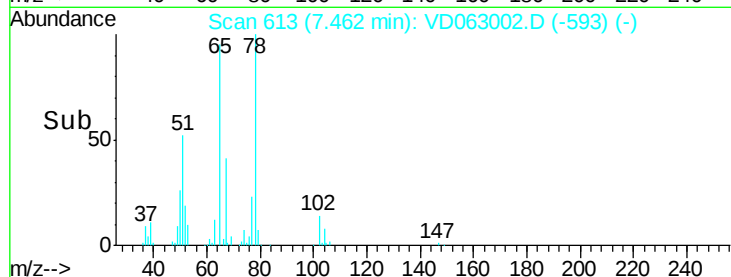
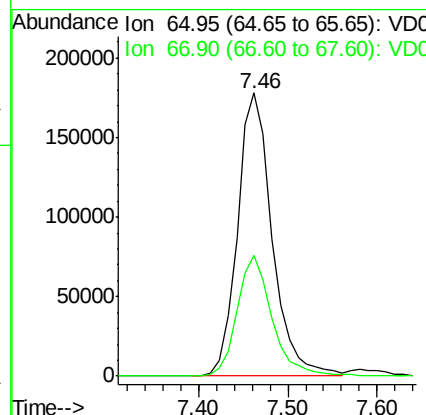
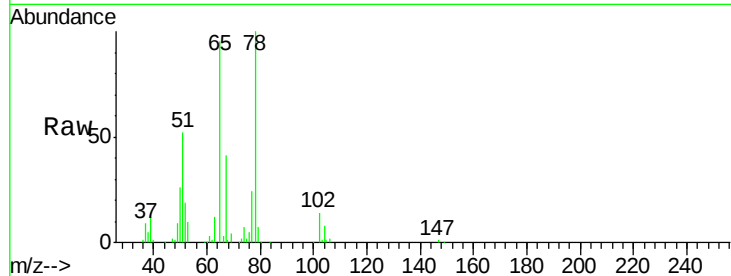




#33
 1,2-Dichloroethane-d4
 Concen: 48.981 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

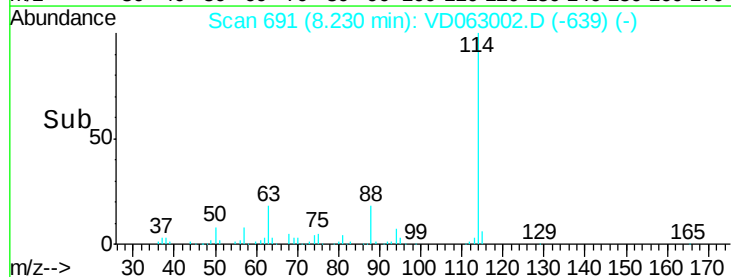
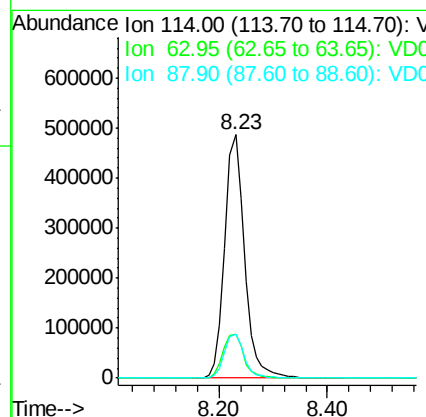
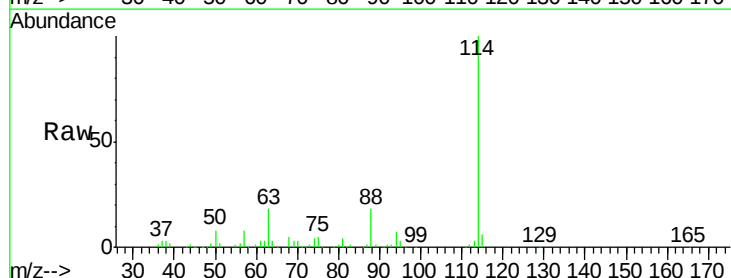
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

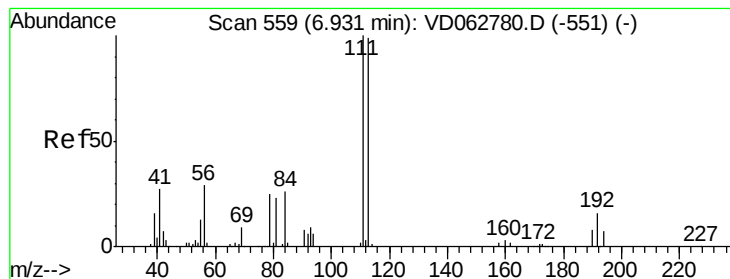
Tot Ion: 65 Resp: 481123
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 114 Resp: 1242280
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.0
 88 18.2 0.0 38.8





#35

Dibromofluoromethane

Concen: 47.287 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

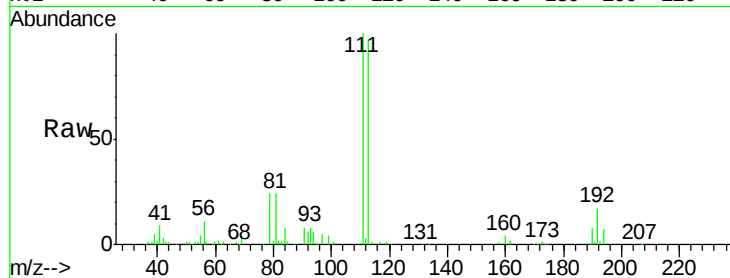
Tot Ion:113 Resp: 495320

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

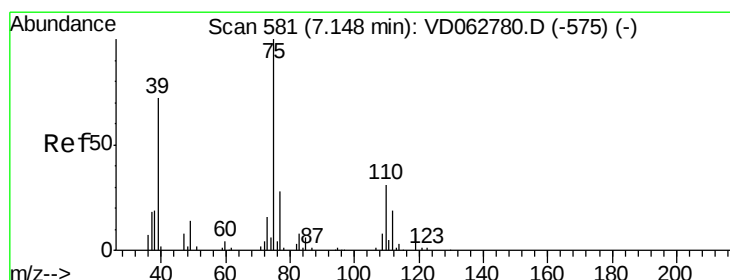
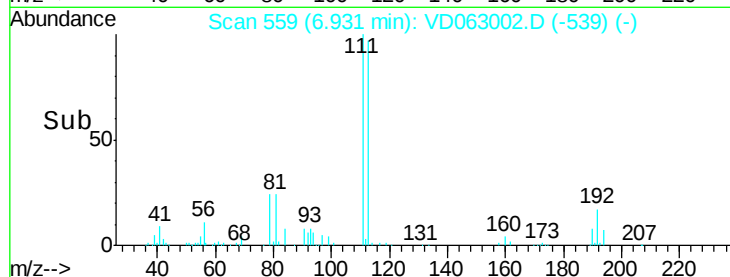
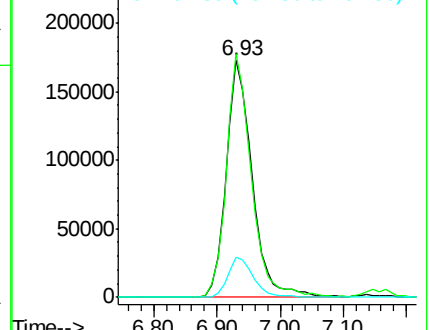
192 17.1 12.9 19.3



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: 21.692 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

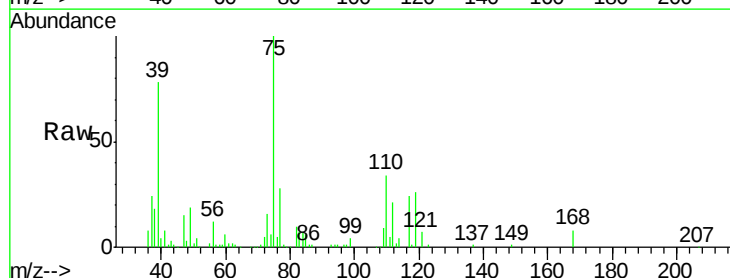
Tgt Ion: 75 Resp: 255097

Ion Ratio Lower Upper

75 100

110 33.9 15.0 45.1

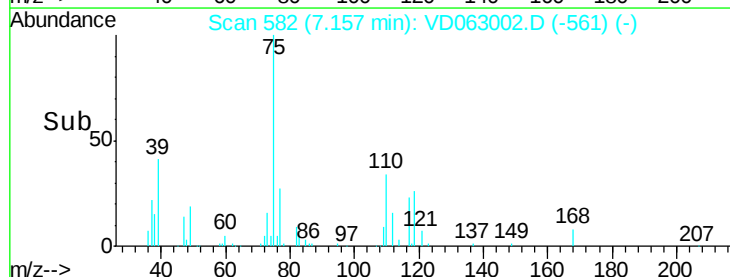
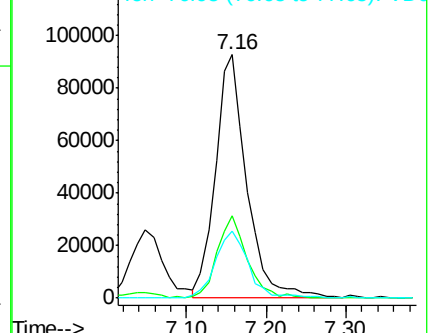
77 27.5 22.2 33.2

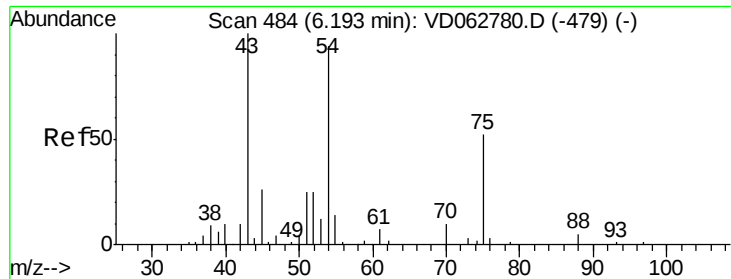


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

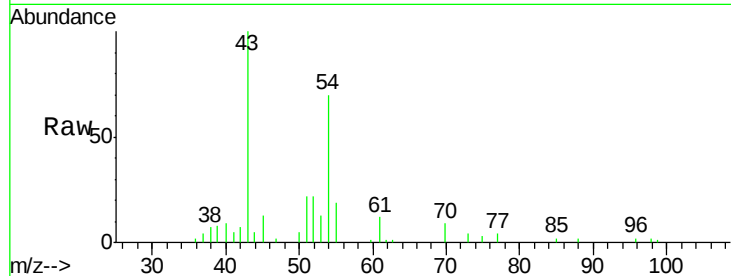




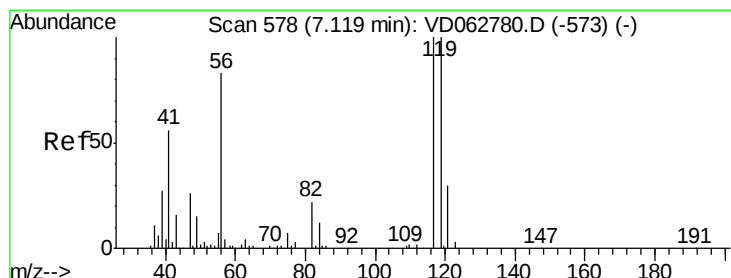
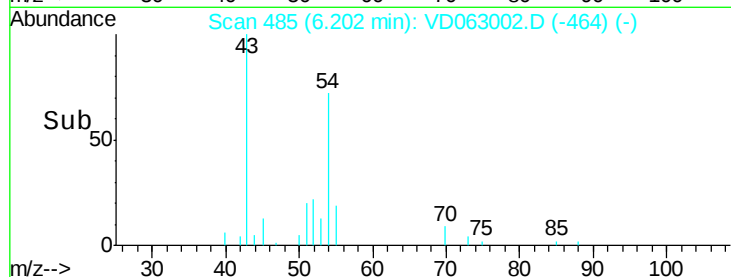
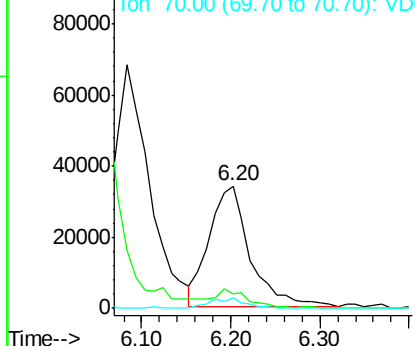
#37
Ethyl Acetate
Concen: 21.094 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 43 Resp: 107352
Ion Ratio Lower Upper
43 100
61 11.9 11.6 17.4
70 8.6 6.4 9.6

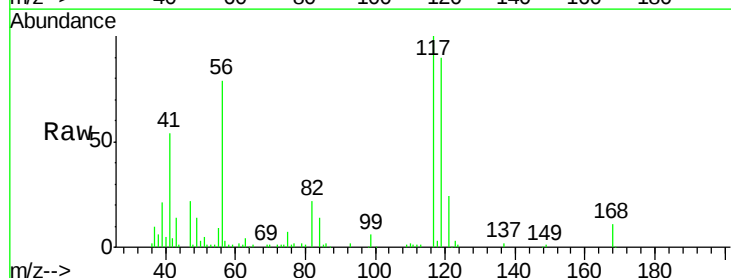


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

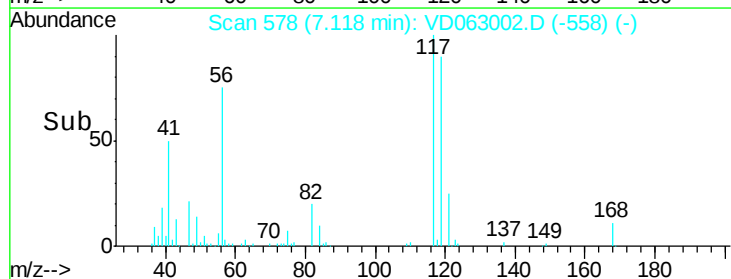
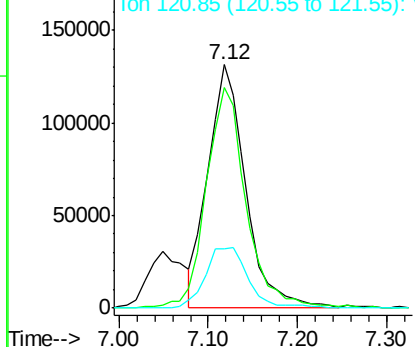


#38
Carbon Tetrachloride
Concen: 21.765 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 117 Resp: 384951
Ion Ratio Lower Upper
117 100
119 90.5 75.4 113.2
121 24.3 22.3 33.5



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: 19.764 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

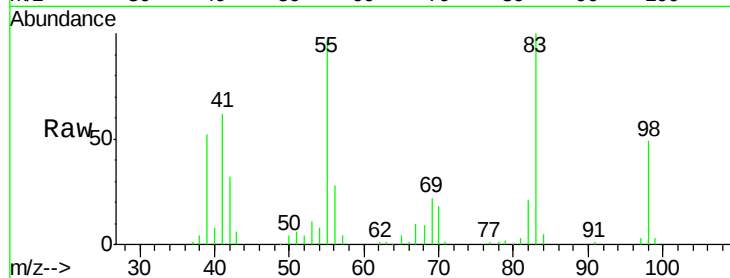
Tot Ion: 83 Resp: 204591

Ion Ratio Lower Upper

83 100

55 97.3 76.6 115.0

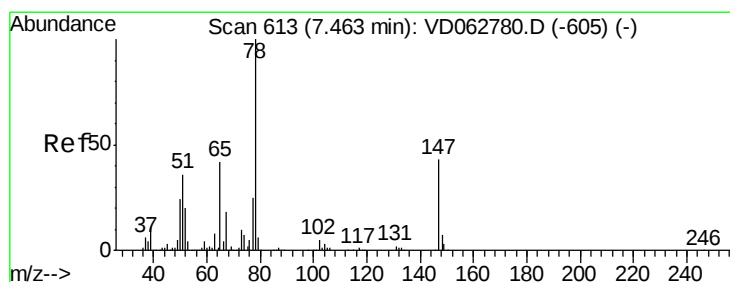
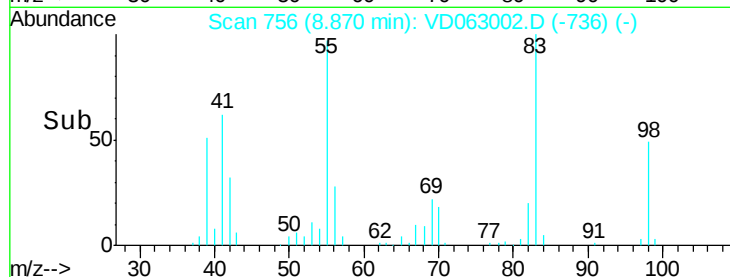
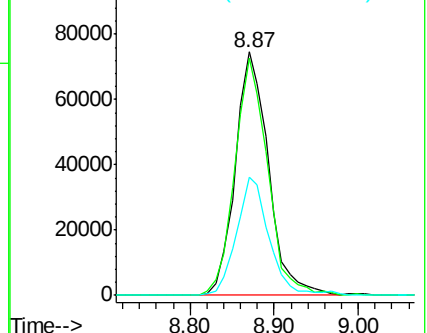
98 48.8 35.7 53.5



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: 21.823 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063002.D

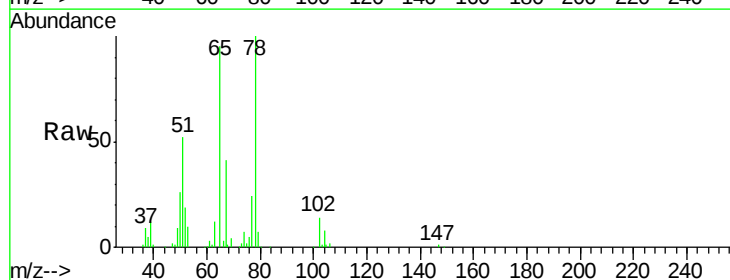
Acq: 2 Jul 2019 11:37

Tgt Ion: 78 Resp: 515143

Ion Ratio Lower Upper

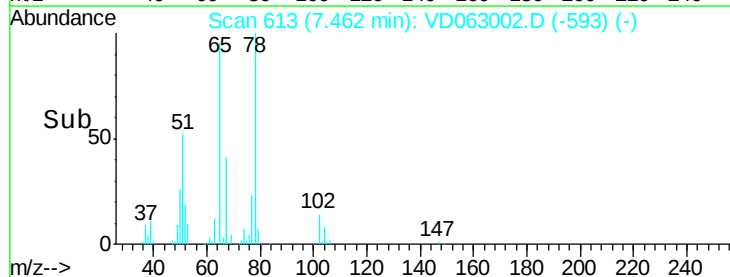
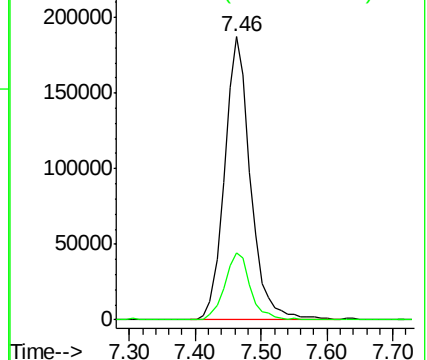
78 100

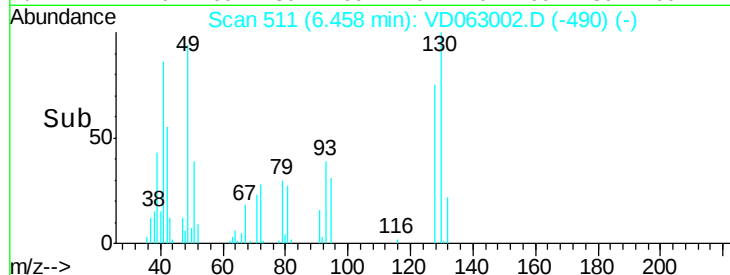
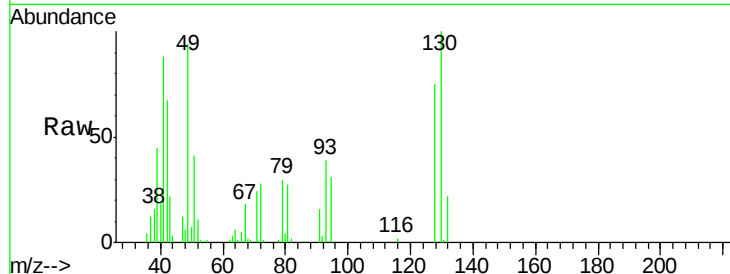
77 23.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

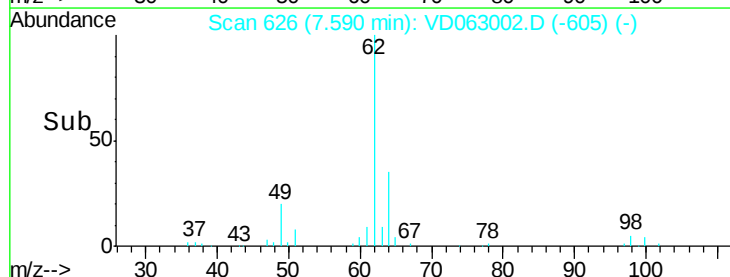
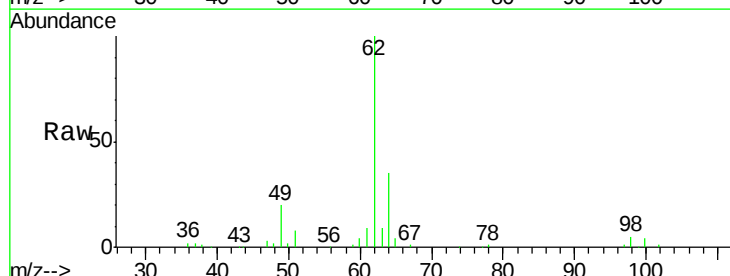
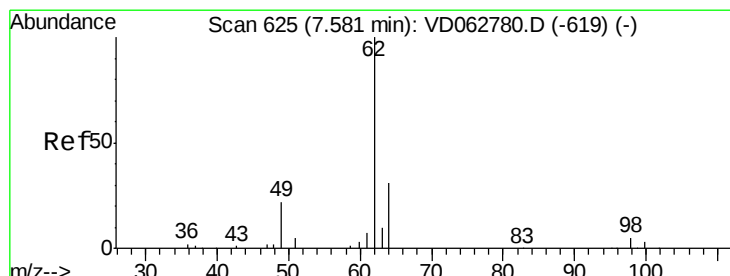
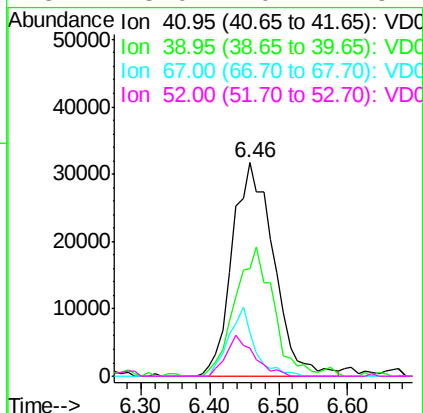




#41
Methacrylonitrile
Concen: 21.385 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

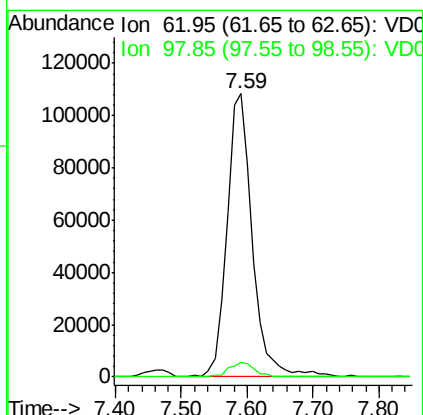
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

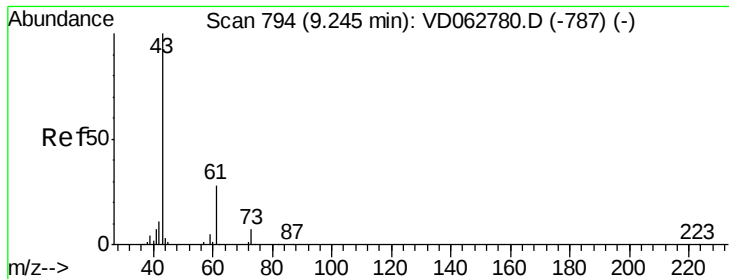
Tot Ion:	41	Resp:	132622
Ion	Ratio	Lower	Upper
41	100		
39	50.6	43.2	64.8
67	20.1	19.9	29.9
52	13.0	10.2	15.4



#42
1,2-Dichloroethane
Concen: 22.567 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion:	62	Resp:	290601
Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.0



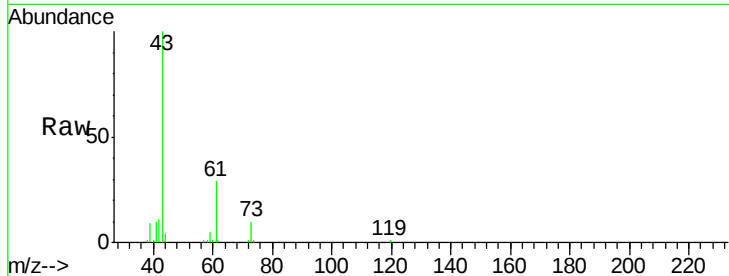


#43

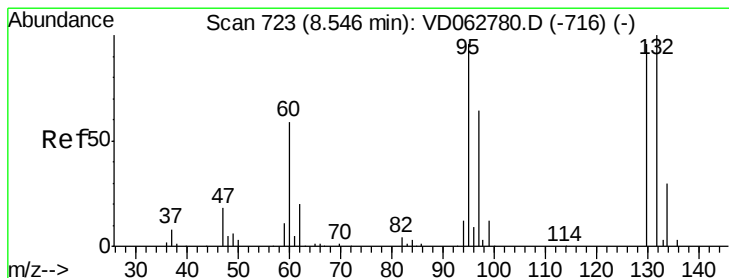
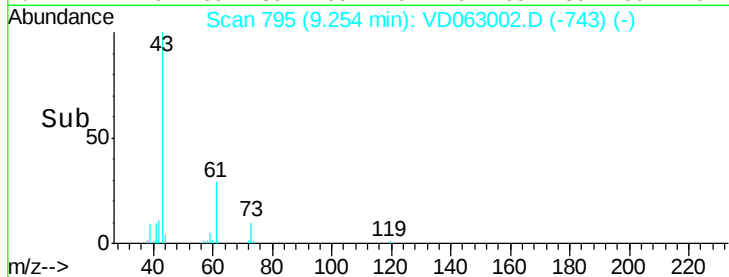
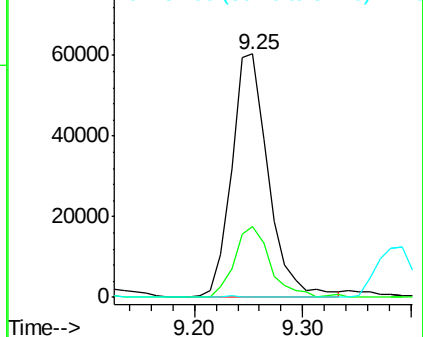
Isopropyl Acetate
 Concen: 23.117 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion: 43 Resp: 142524
 Ion Ratio Lower Upper
 43 100
 61 29.2 22.4 33.6
 87 0.0 0.3 0.5#



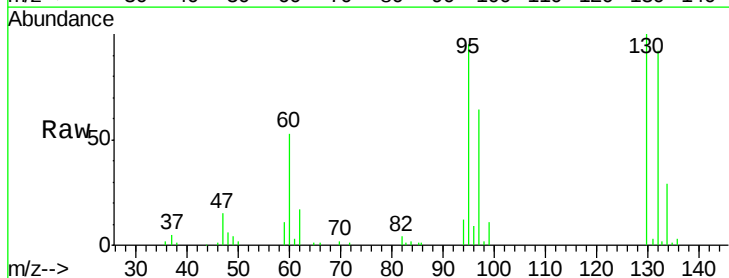
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



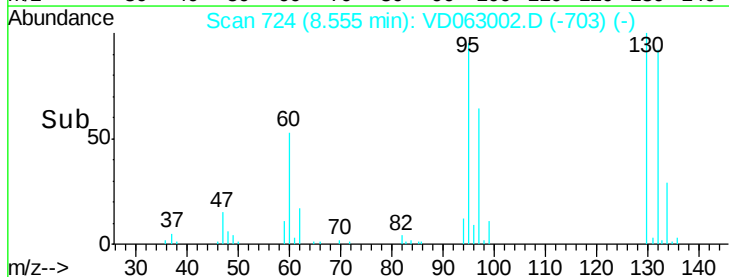
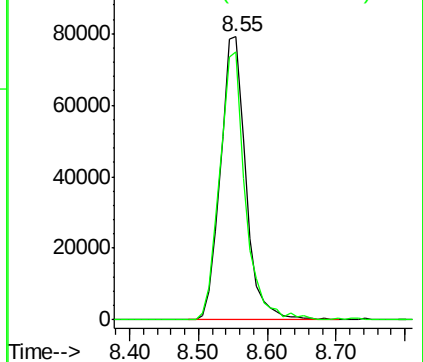
#44

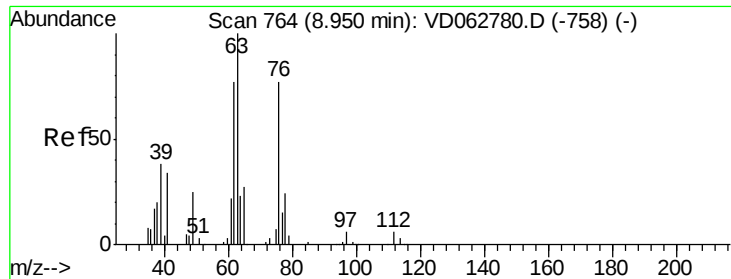
Trichloroethene
 Concen: 21.736 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 130 Resp: 201160
 Ion Ratio Lower Upper
 130 100
 95 94.6 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 21.945 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

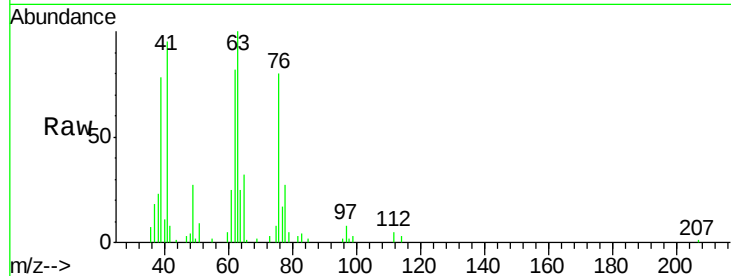
VD0702SBS01

Tot Ion: 63 Resp: 128811

Ion Ratio Lower Upper

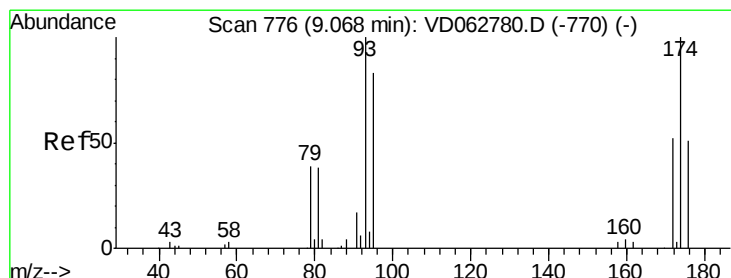
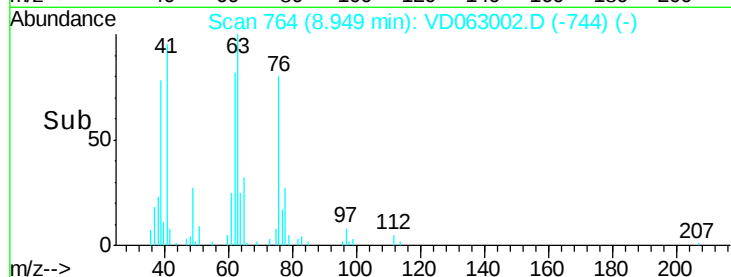
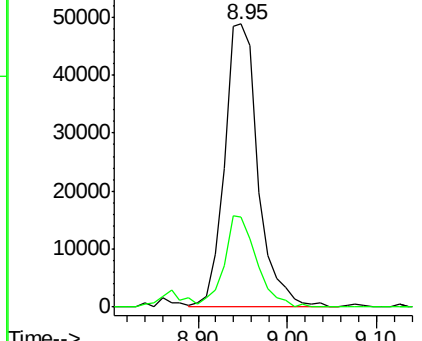
63 100

65 31.8 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.004 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

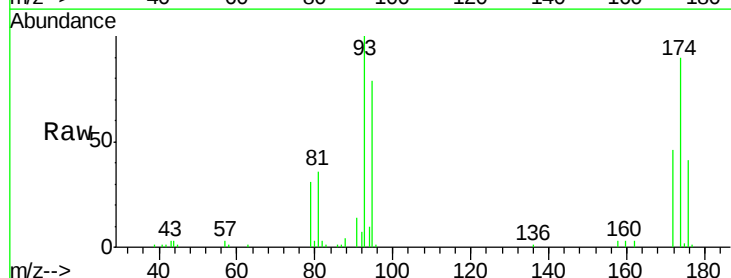
Tgt Ion: 93 Resp: 110950

Ion Ratio Lower Upper

93 100

95 79.3 66.6 100.0

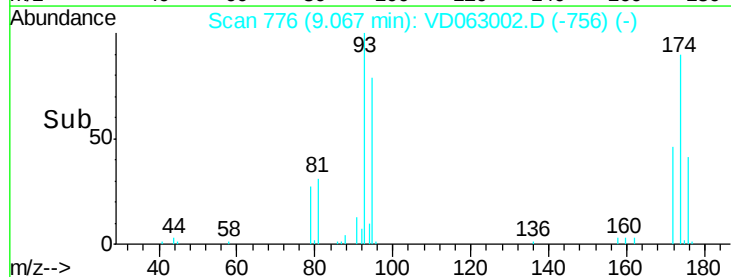
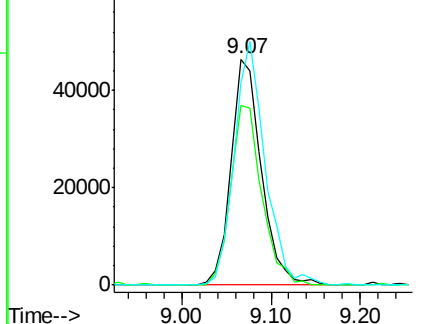
174 89.8 79.7 119.5

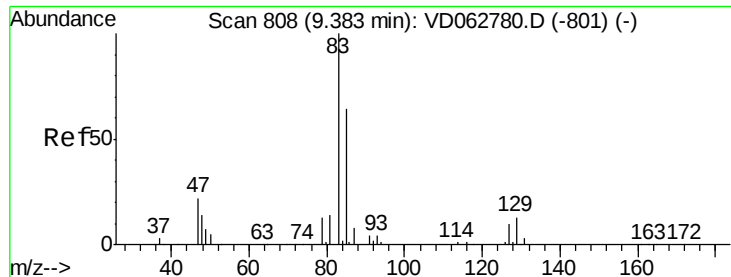


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.128 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

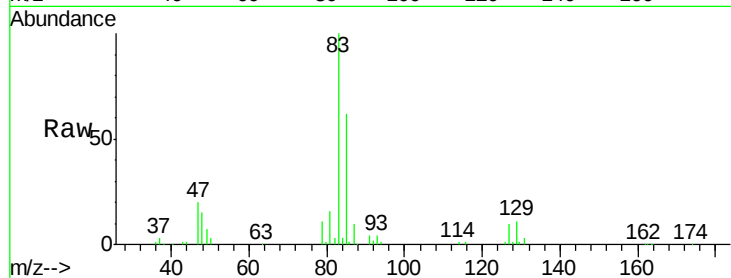
Tot Ion: 83 Resp: 289772

Ion Ratio Lower Upper

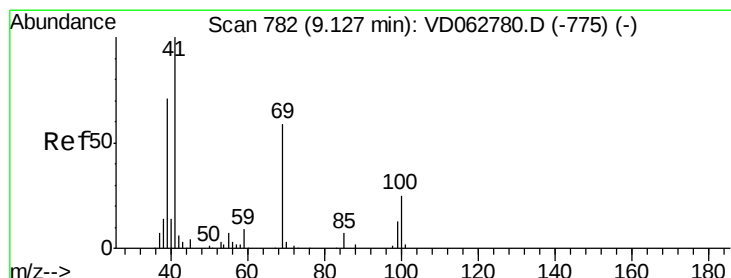
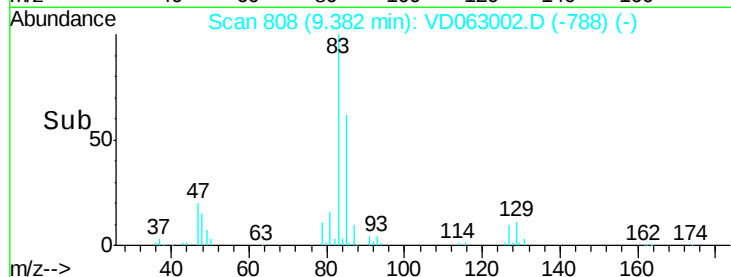
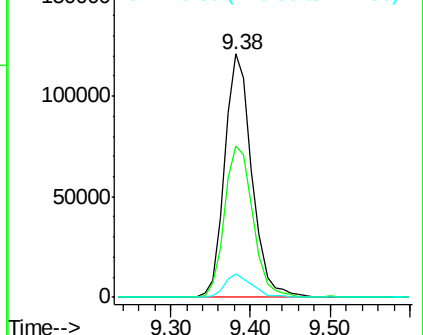
83 100

85 62.1 51.6 77.4

127 9.7 7.8 11.6



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: 20.085 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

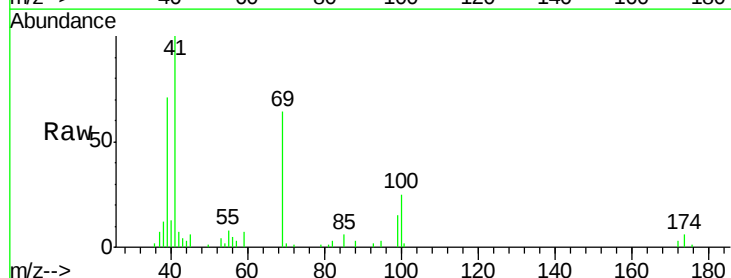
Tgt Ion: 41 Resp: 87998

Ion Ratio Lower Upper

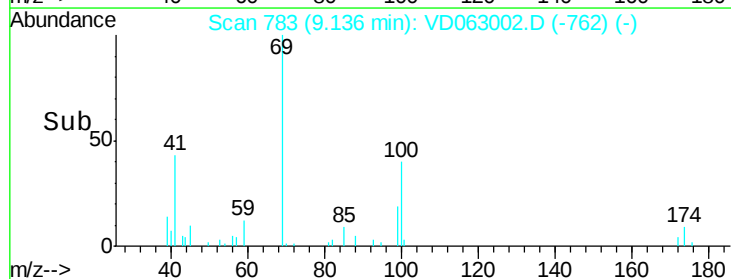
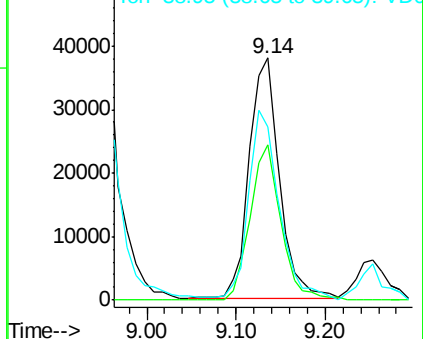
41 100

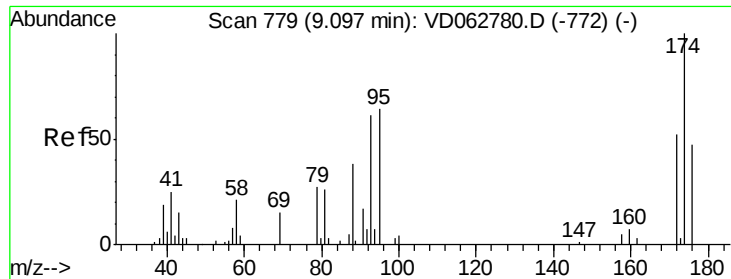
69 64.2 47.2 70.8

39 71.4 57.4 86.2



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

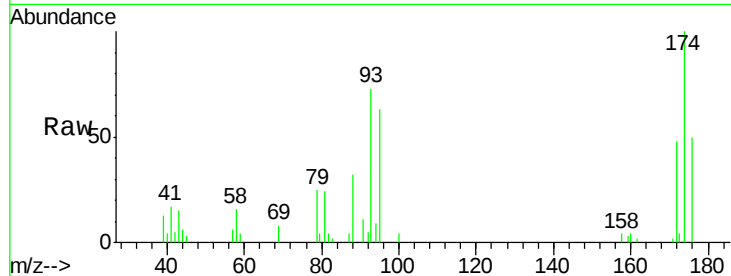




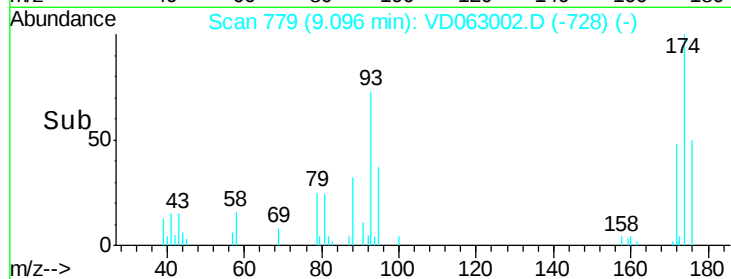
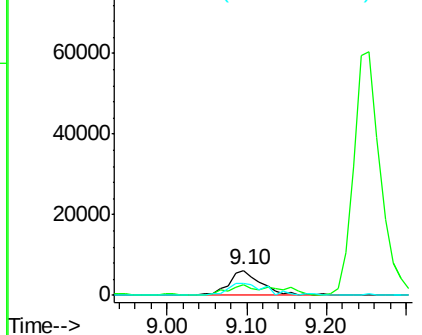
#49
1,4-Dioxane
Concen: 485.724 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 88 Resp: 17705
Ion Ratio Lower Upper
88 100
43 45.4 32.1 48.1
58 50.7 44.1 66.1

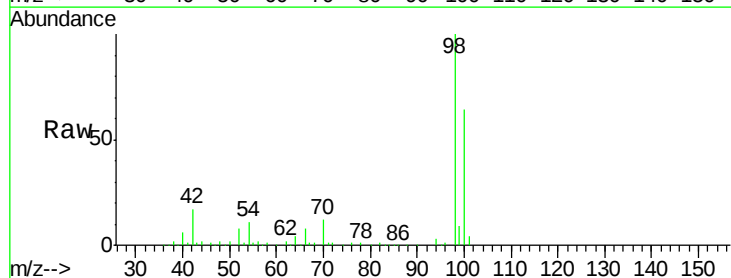


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

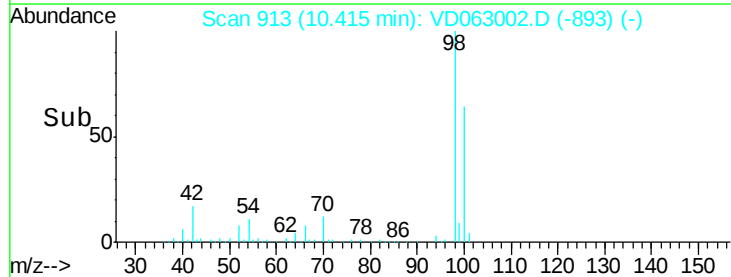
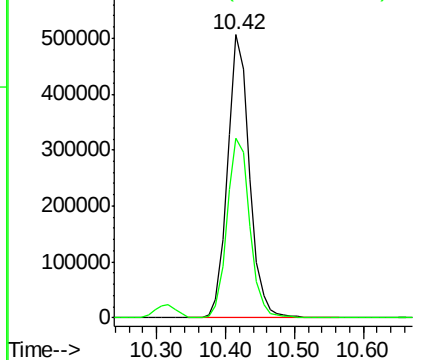


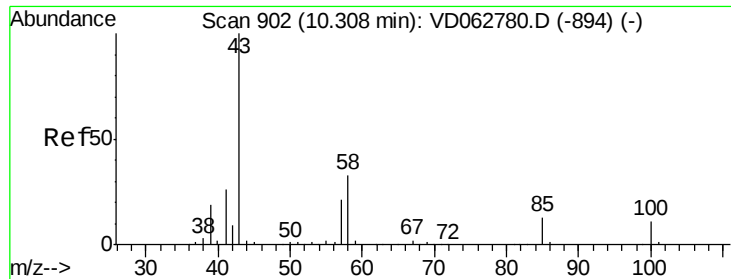
#50
Toluene-d8
Concen: 48.886 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 98 Resp: 1114517
Ion Ratio Lower Upper
98 100
100 63.6 54.7 82.1



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

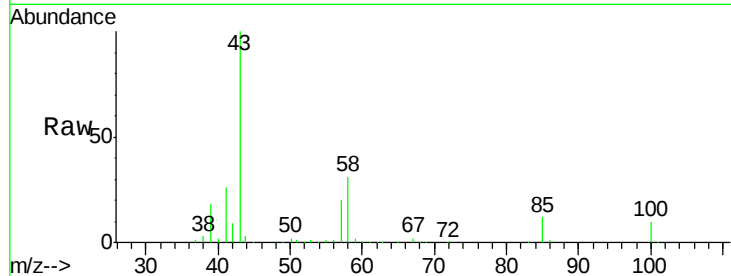




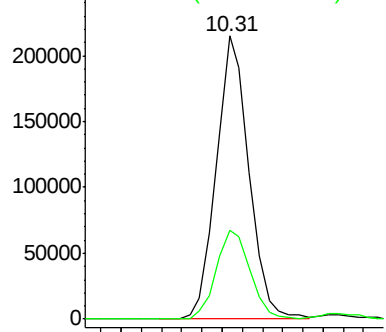
#51
4-Methyl-2-Pentanone
Concen: 110.725 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

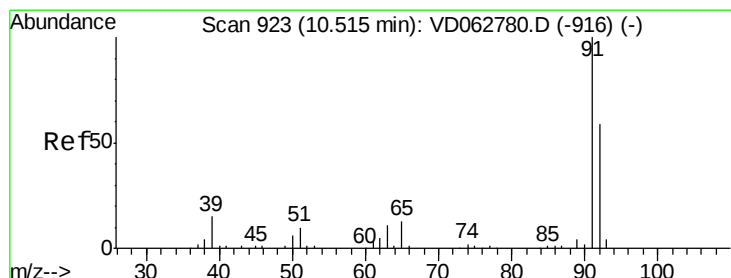
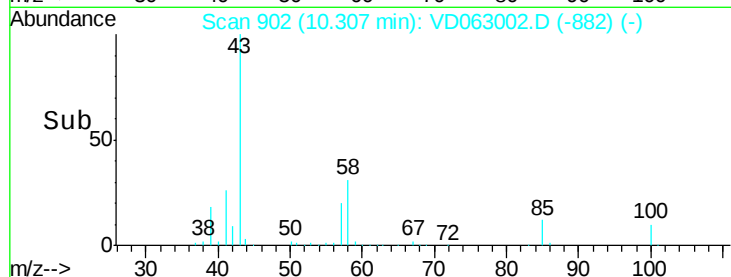
Tot Ion: 43 Resp: 484002
Ion Ratio Lower Upper
43 100
58 31.5 26.6 40.0



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

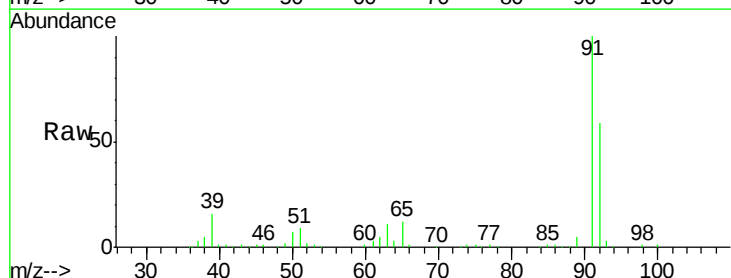


Time-->

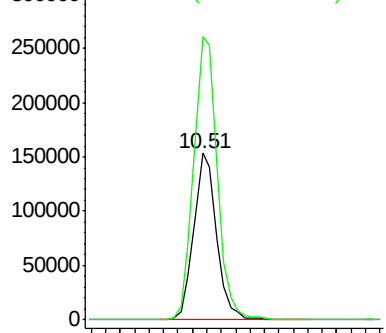


#52
Toluene
Concen: 21.176 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

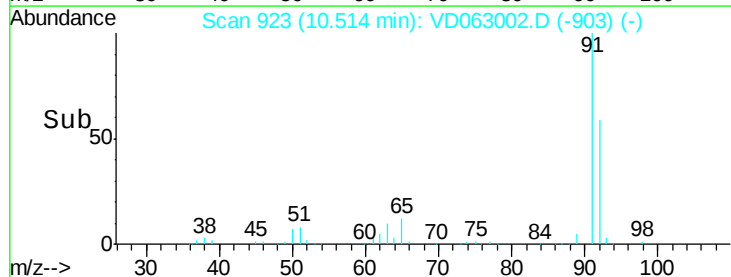
Tgt Ion: 92 Resp: 336025
Ion Ratio Lower Upper
92 100
91 169.8 136.3 204.5

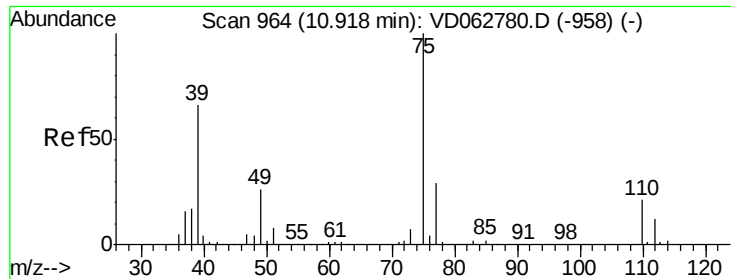


Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



Time-->

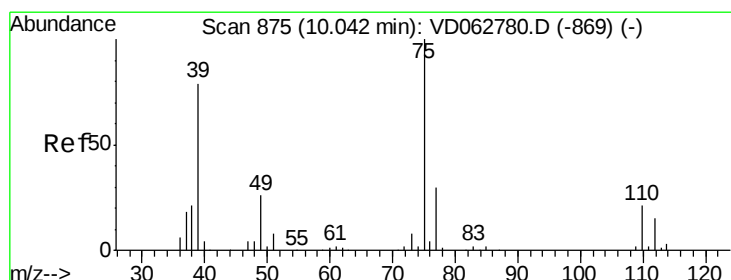
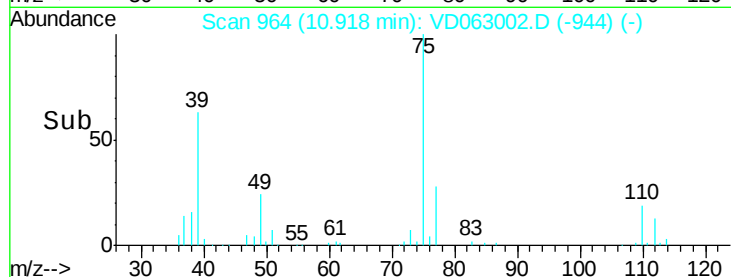
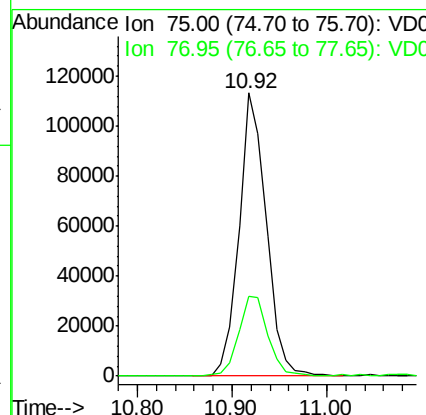
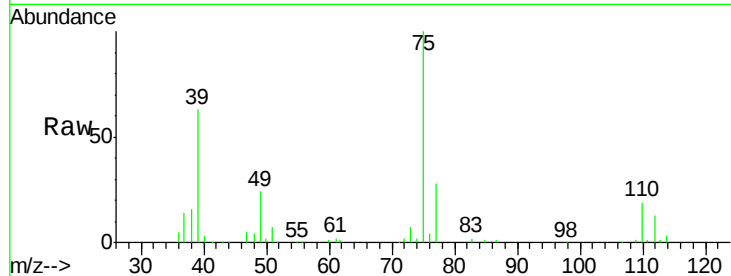




#53
t-1,3-Dichloropropene
Concen: 21.059 ug/l
RT: 10.92 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

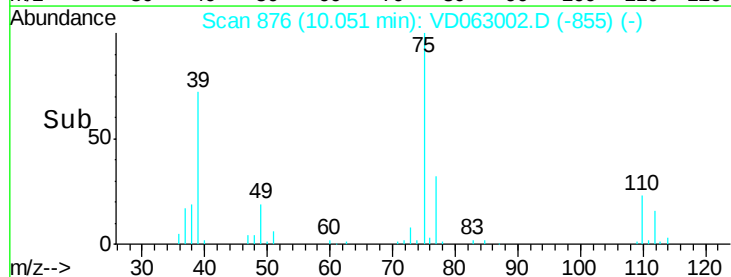
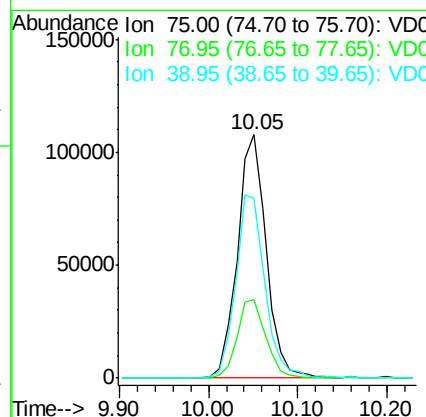
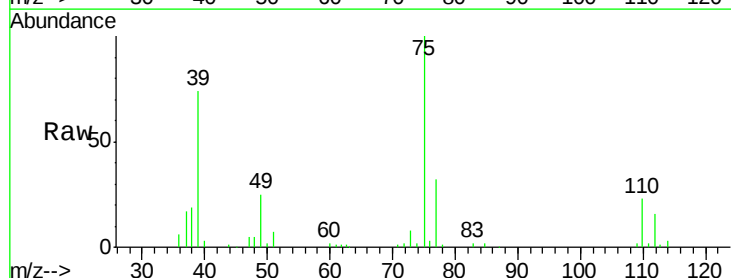
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

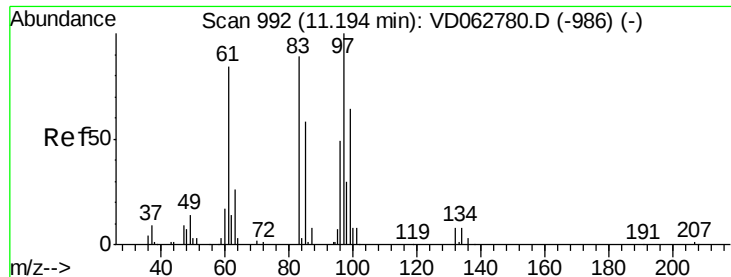
Tot Ion: 75 Resp: 225712
Ion Ratio Lower Upper
75 100
77 28.3 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 20.866 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 75 Resp: 243079
Ion Ratio Lower Upper
75 100
77 32.3 24.2 36.2
39 73.9 63.5 95.3



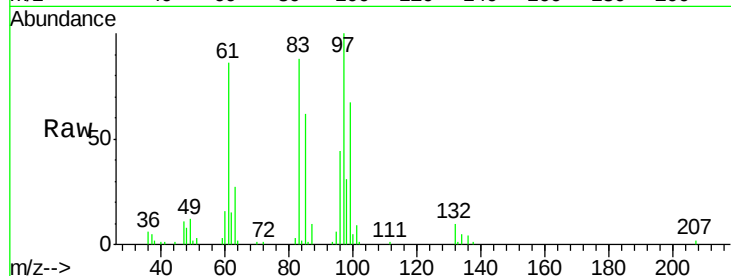


#55
 1,1,2-Trichloroethane
 Concen: 21.997 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion: 97 Resp: 119918

Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.0	106.4
85	61.8	46.6	69.8
99	67.5	51.4	77.0

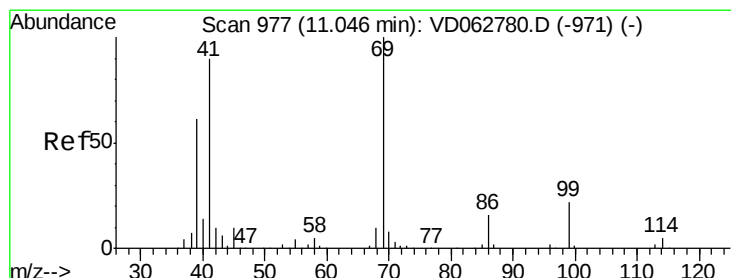
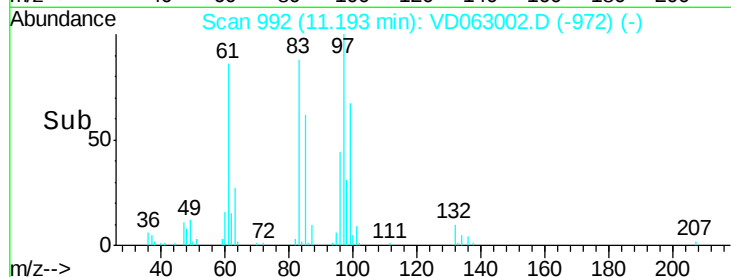
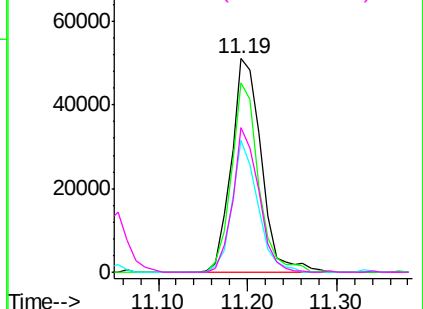


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

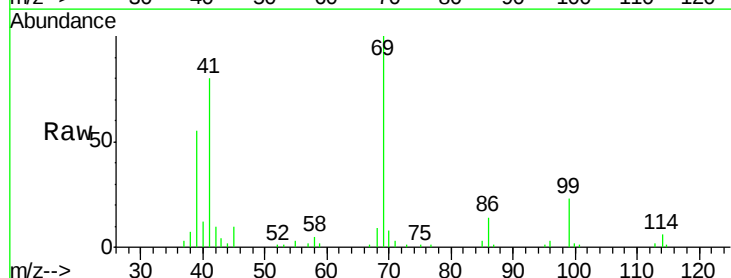
Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 21.895 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 69 Resp: 127560

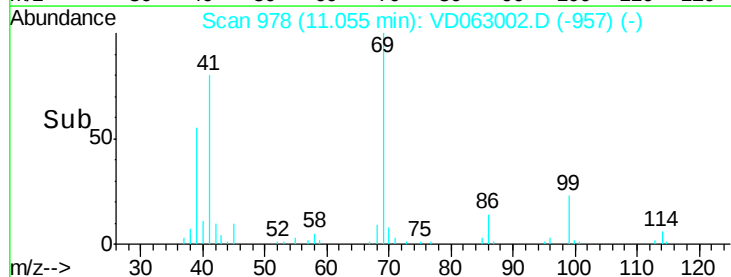
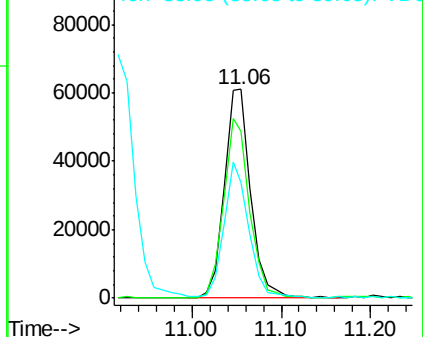
Ion	Ratio	Lower	Upper
69	100		
41	80.2	72.0	108.0
39	55.3	49.5	74.3

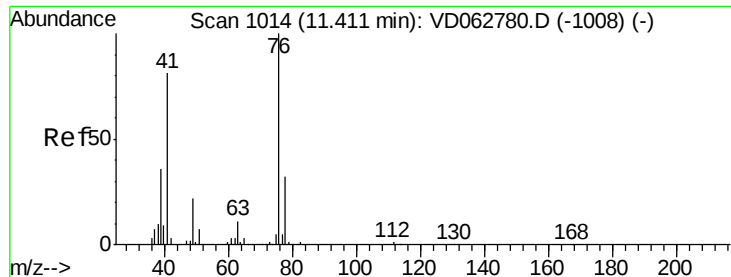


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

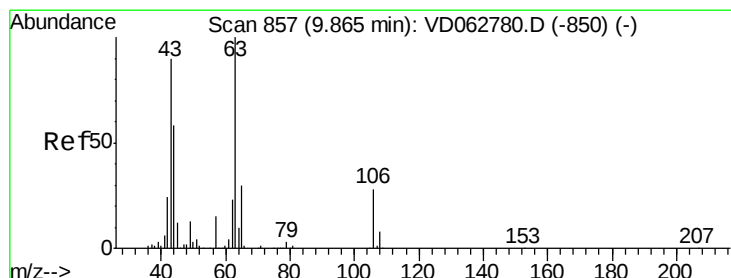
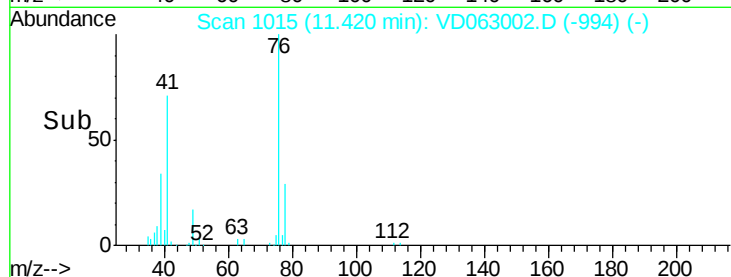
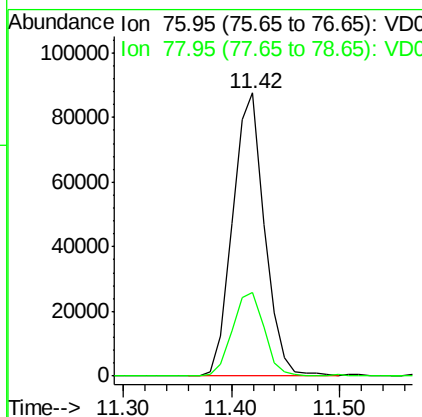
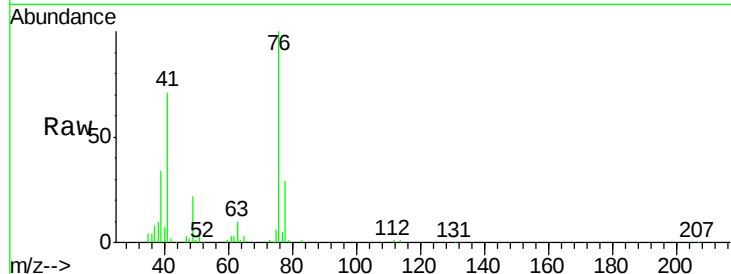




#57
 1,3-Dichloropropane
 Concen: 21.539 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

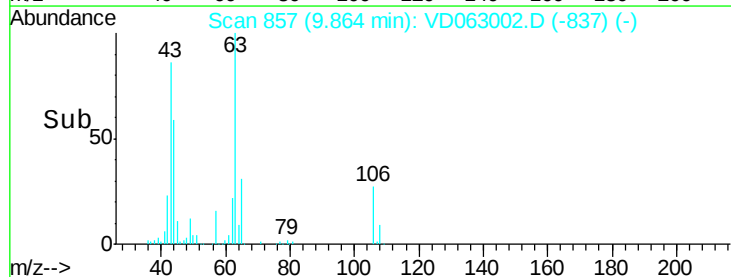
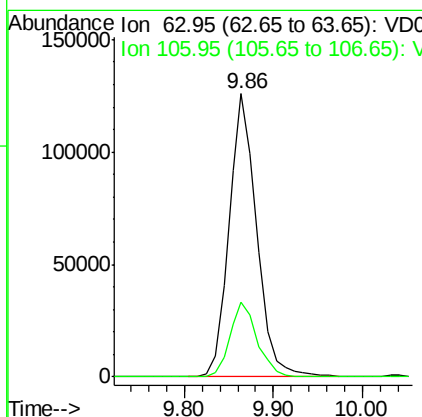
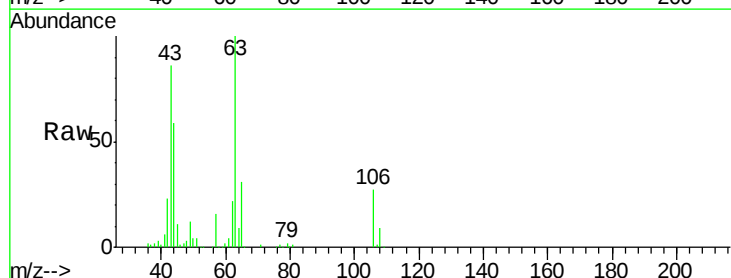
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

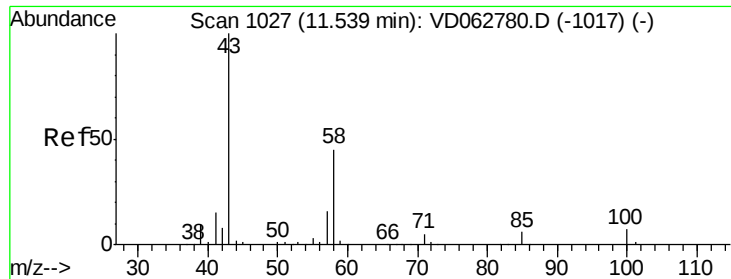
Tot Ion: 76 Resp: 179792
 Ion Ratio Lower Upper
 76 100
 78 29.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.365 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 63 Resp: 273274
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.1 33.1

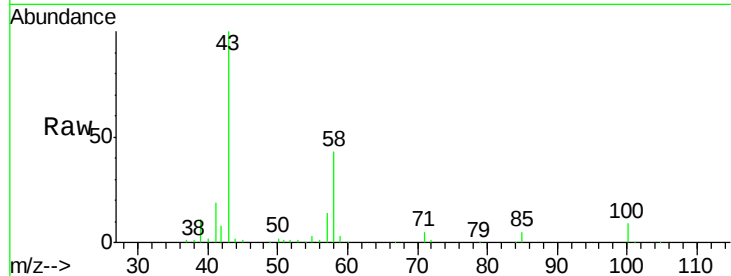




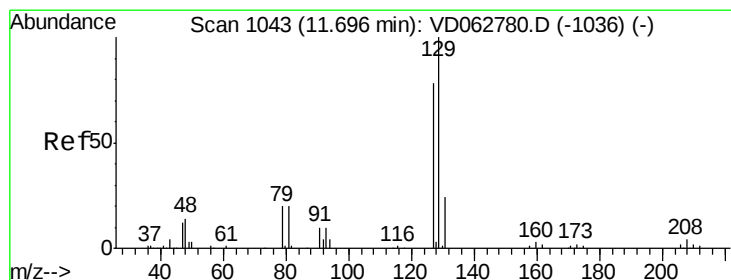
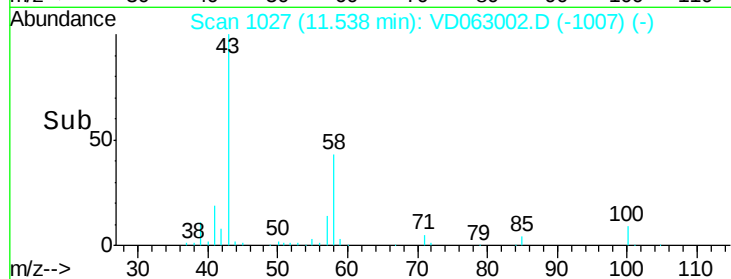
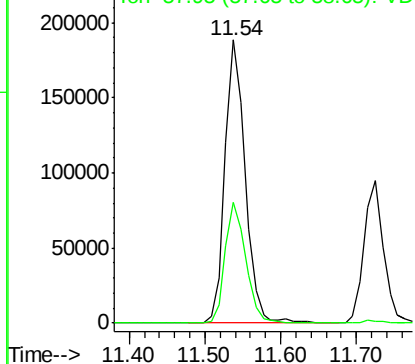
#59
2-Hexanone
Concen: 112.617 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 43 Resp: 350588
Ion Ratio Lower Upper
43 100
58 42.9 22.4 67.2

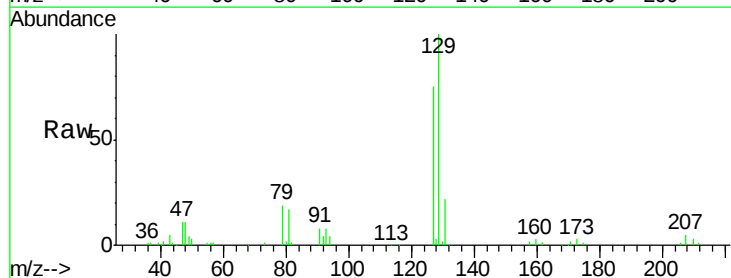


Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-1017) (-)
Ion 57.95 (57.65 to 58.65): VD062780.D (-1017) (-)

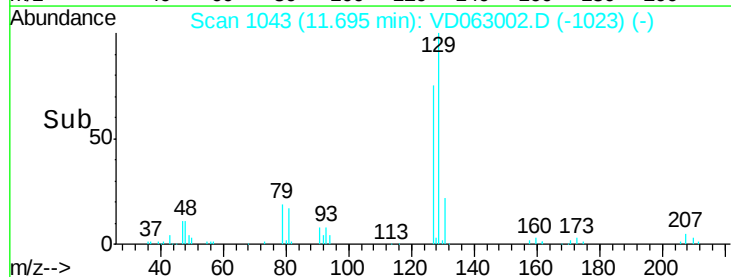
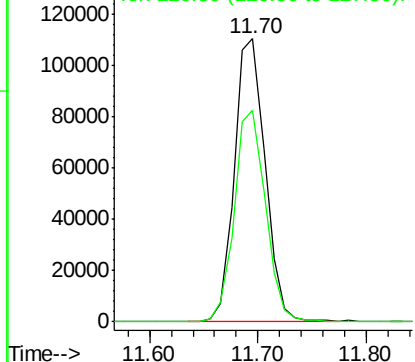


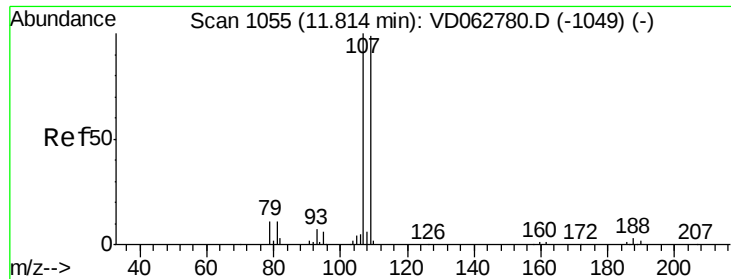
#60
Dibromochloromethane
Concen: 21.515 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 129 Resp: 218474
Ion Ratio Lower Upper
129 100
127 74.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): VD062780.D (-1036) (-)
Ion 126.80 (126.50 to 127.50): VD062780.D (-1036) (-)





#61

1,2-Dibromoethane

Concen: 21.845 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

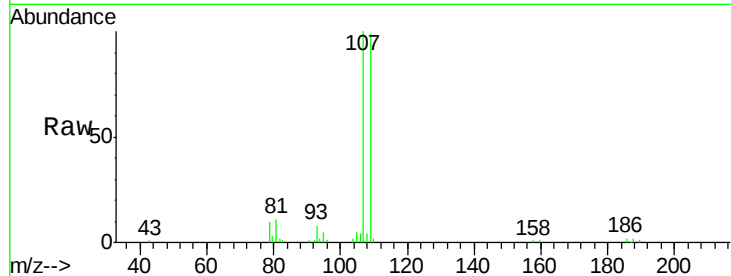
VD0702SBS01

Tot Ion:107 Resp: 140653

Ion Ratio Lower Upper

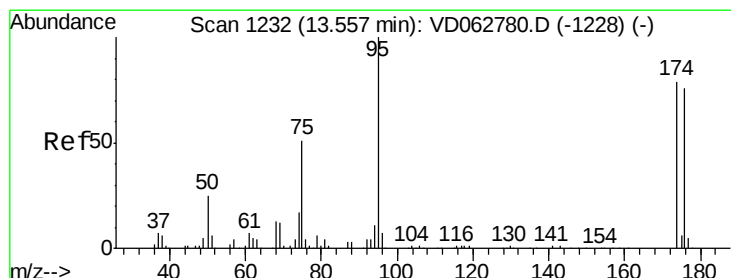
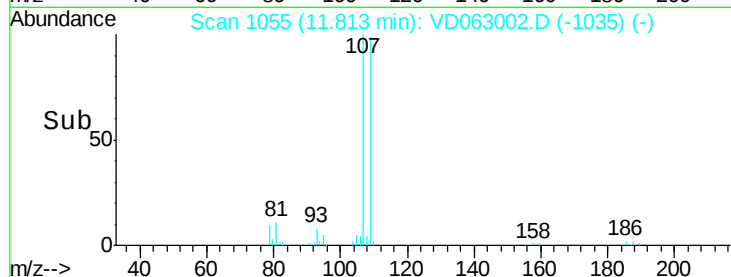
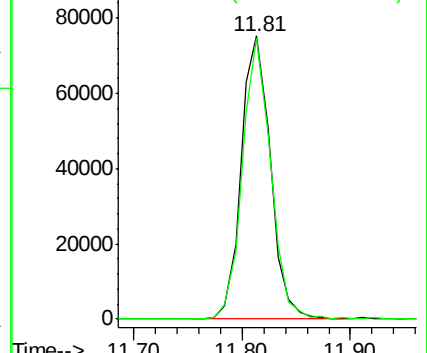
107 100

109 99.2 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.475 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

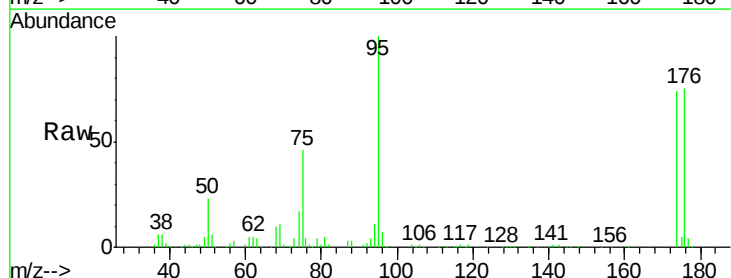
Tgt Ion: 95 Resp: 471418

Ion Ratio Lower Upper

95 100

174 73.8 0.0 158.0

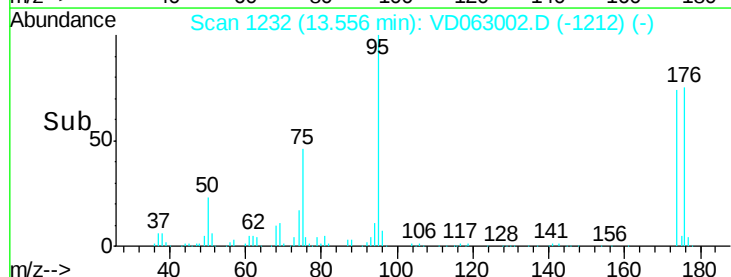
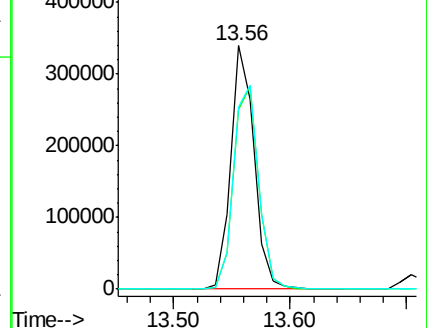
176 74.6 0.0 151.6

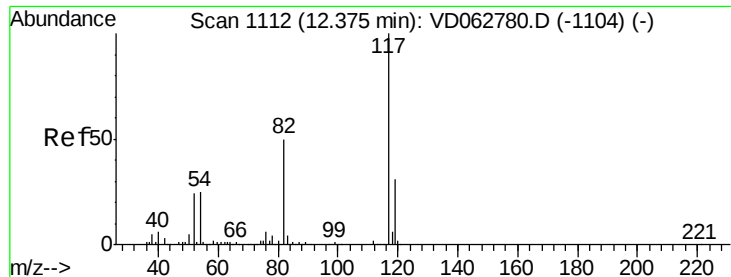


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

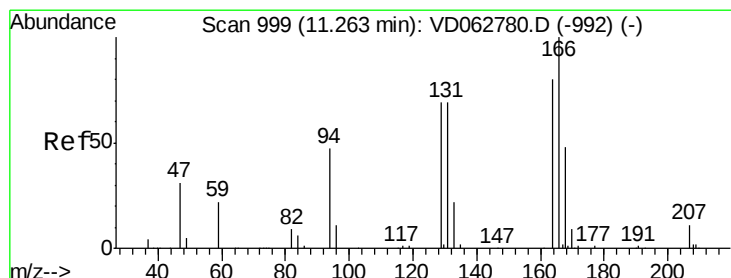
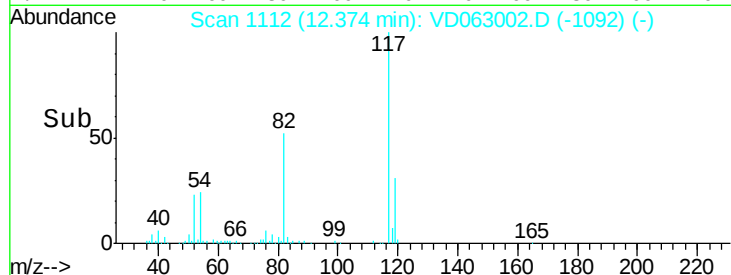
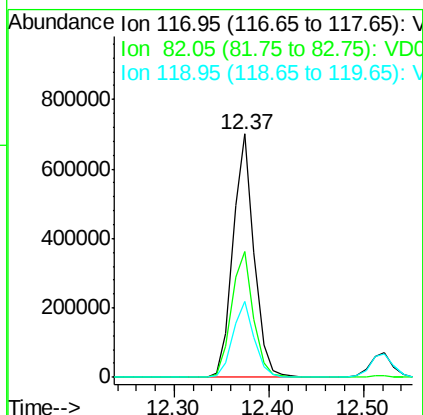
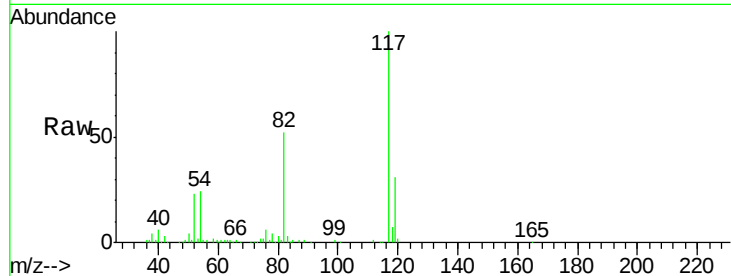




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

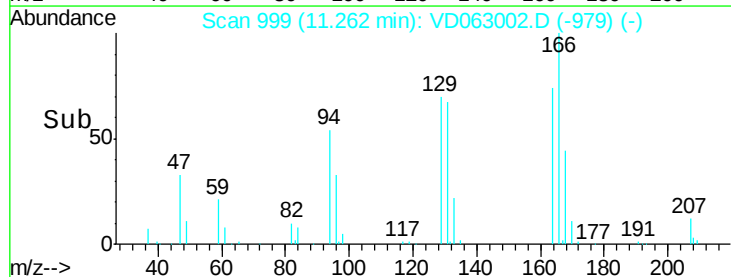
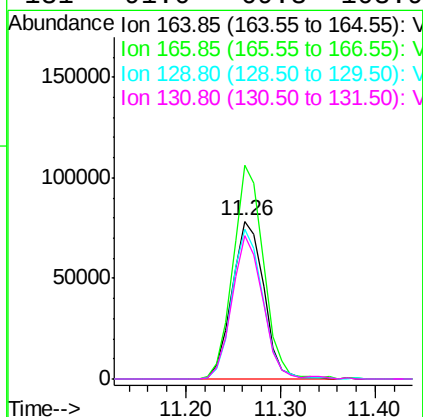
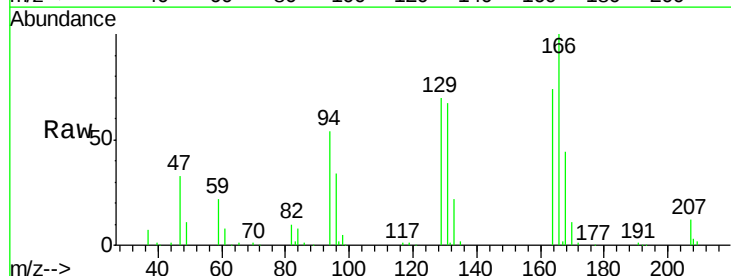
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

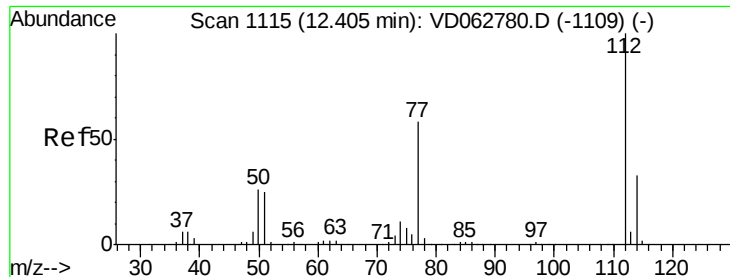
Tot Ion:117 Resp: 1079959
Ion Ratio Lower Upper
117 100
82 51.6 40.4 60.6
119 31.4 25.2 37.8



#64
Tetrachloroethene
Concen: 20.531 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion:164 Resp: 182487
Ion Ratio Lower Upper
164 100
166 135.2 100.6 150.8
129 95.2 69.4 104.0
131 91.0 69.3 103.9

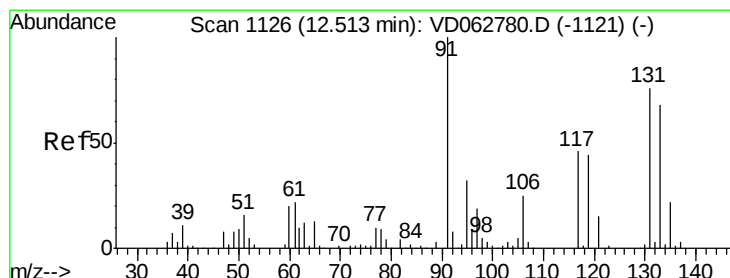
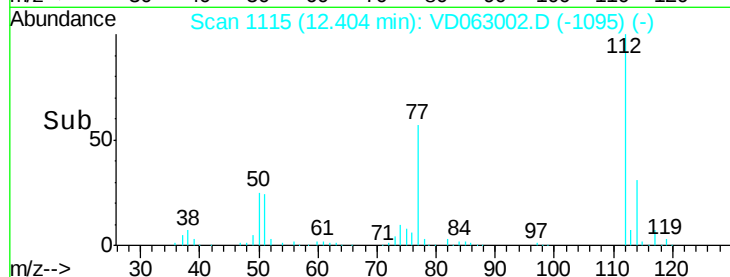
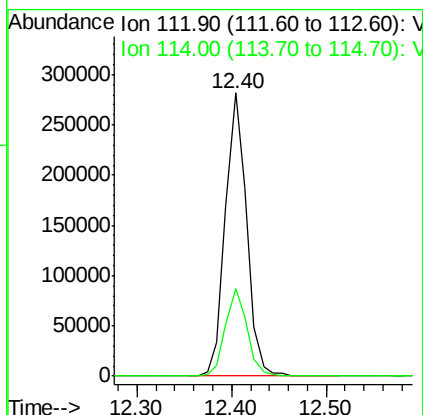
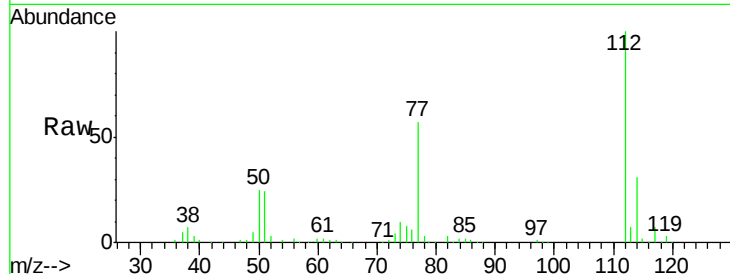




#65
Chlorobenzene
Concen: 21.927 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

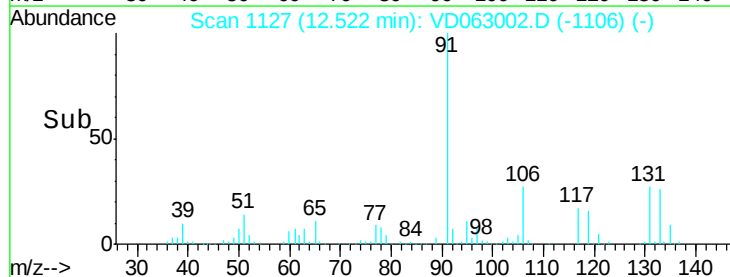
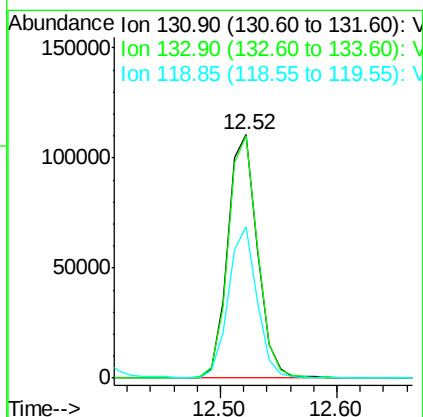
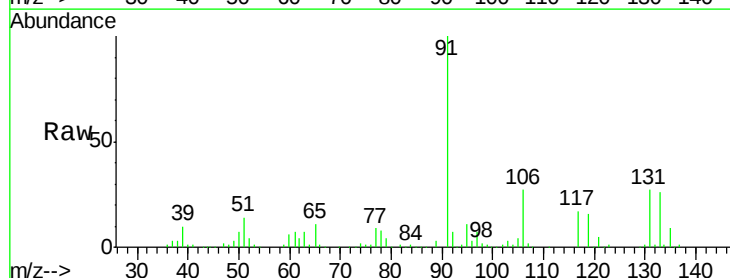
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

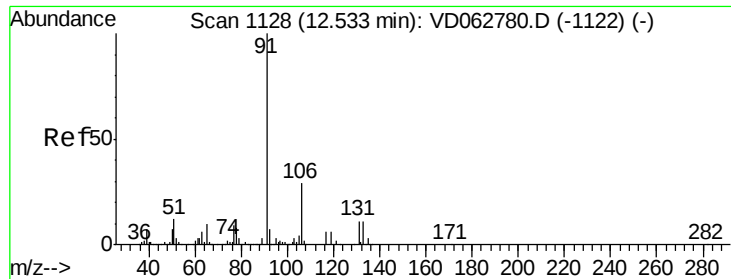
Tot Ion:112 Resp: 439481
Ion Ratio Lower Upper
112 100
114 31.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.672 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion:131 Resp: 193767
Ion Ratio Lower Upper
131 100
133 99.4 44.5 133.3
119 62.0 28.6 85.9

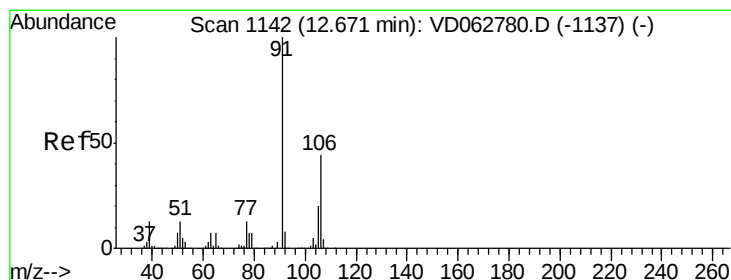
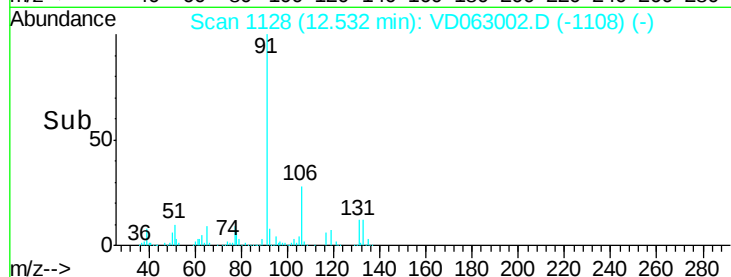
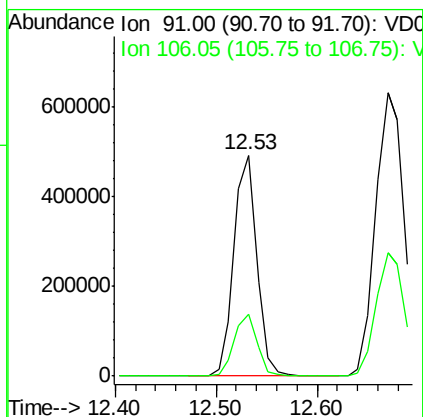
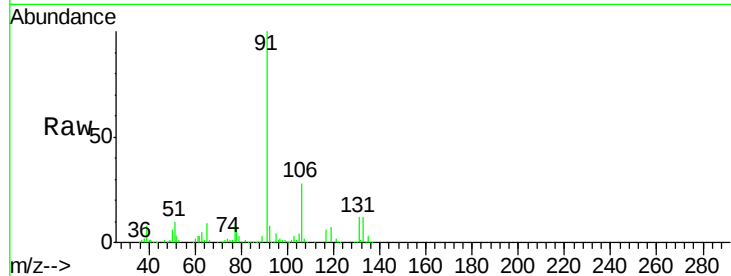




#67
Ethyl Benzene
Concen: 21.533 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

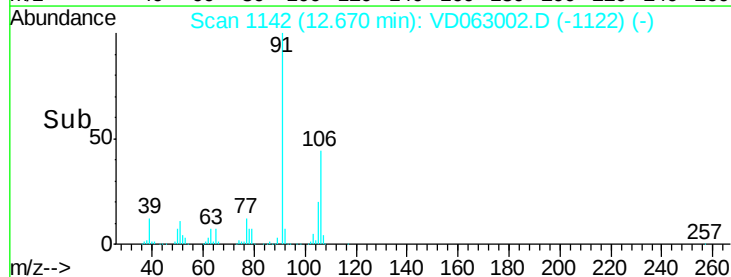
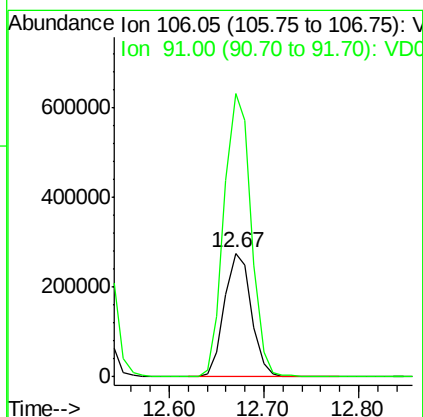
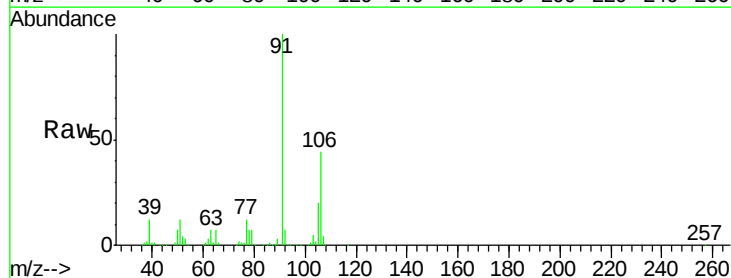
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

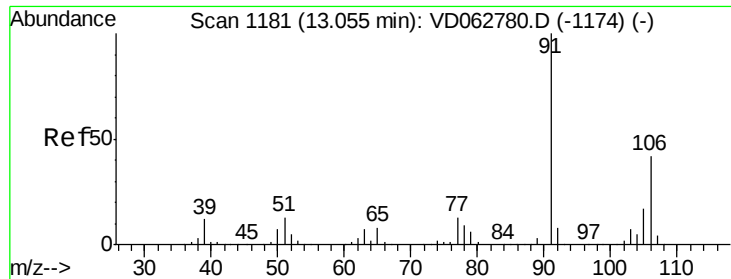
Tot Ion: 91 Resp: 774873
Ion Ratio Lower Upper
91 100
106 27.9 23.1 34.7



#68
m/p-Xylenes
Concen: 43.259 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 106 Resp: 542174
Ion Ratio Lower Upper
106 100
91 229.0 183.0 274.6

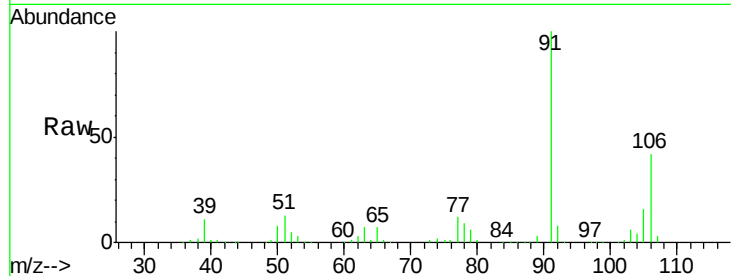




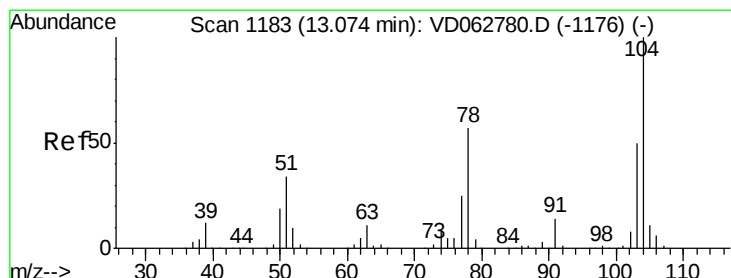
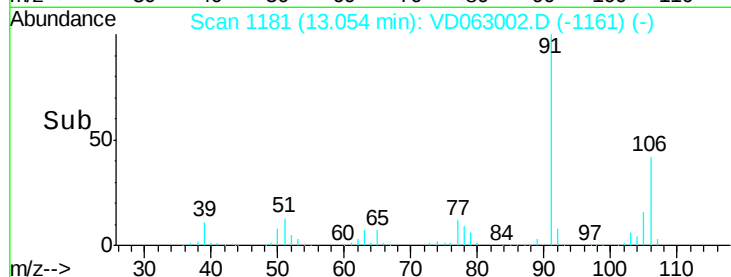
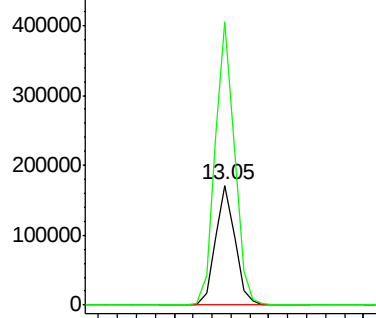
#69
o-Xylene
Concen: 21.328 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion:106 Resp: 244356
Ion Ratio Lower Upper
106 100
91 236.7 117.9 353.6

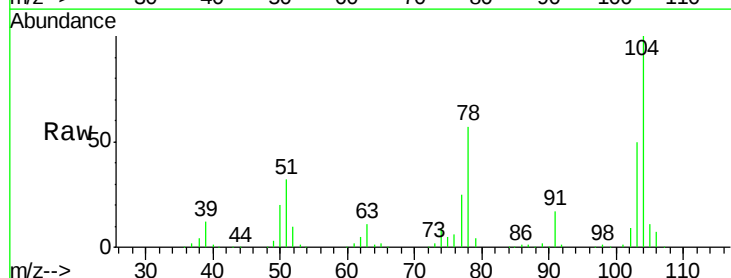


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

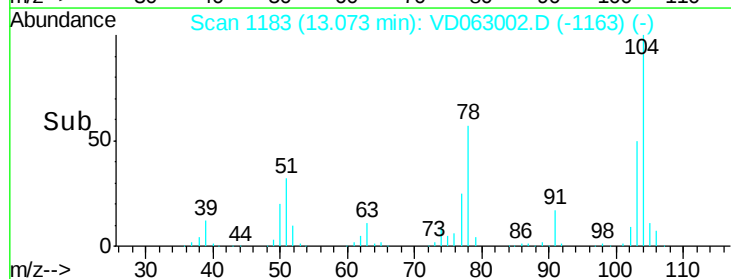
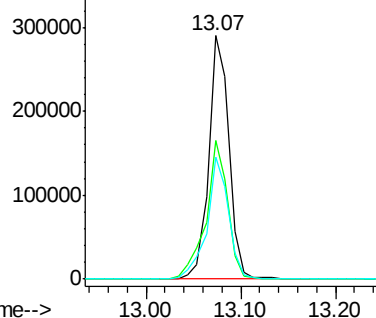


#70
Styrene
Concen: 21.274 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion:104 Resp: 428115
Ion Ratio Lower Upper
104 100
78 56.7 45.4 68.2
103 50.3 39.7 59.5



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





#71

Bromoform

Concen: 21.120 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

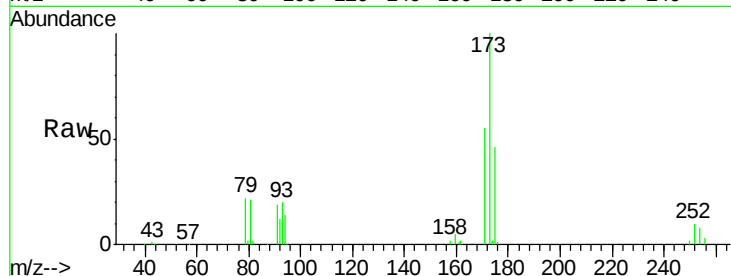
Tot Ion:173 Resp: 135635

Ion Ratio Lower Upper

173 100

175 46.3 25.3 75.9

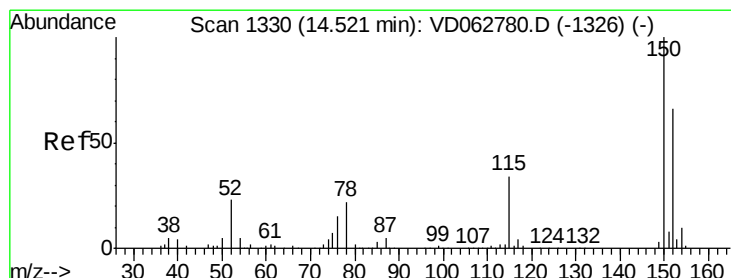
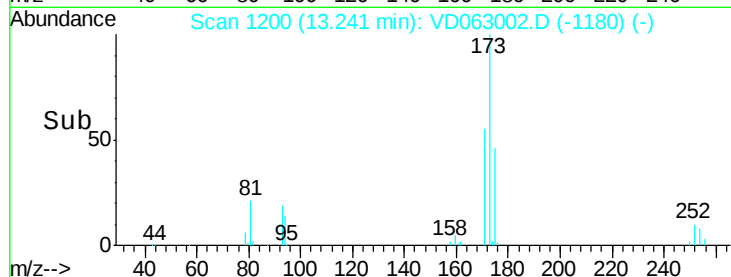
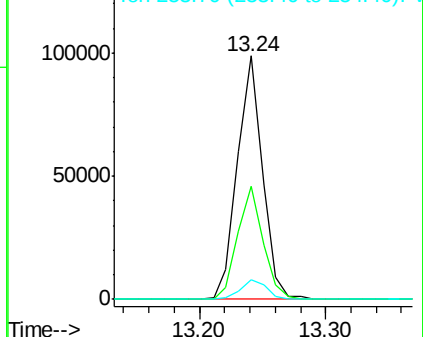
254 8.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

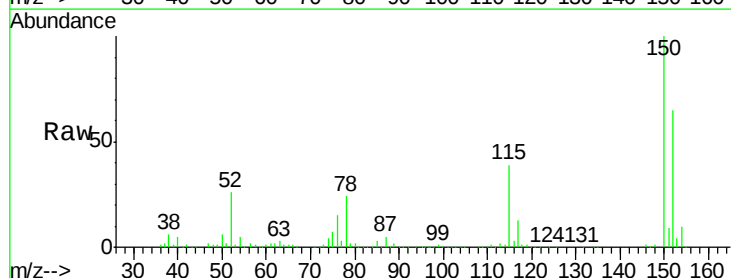
Tgt Ion:152 Resp: 591164

Ion Ratio Lower Upper

152 100

115 59.7 29.2 87.6

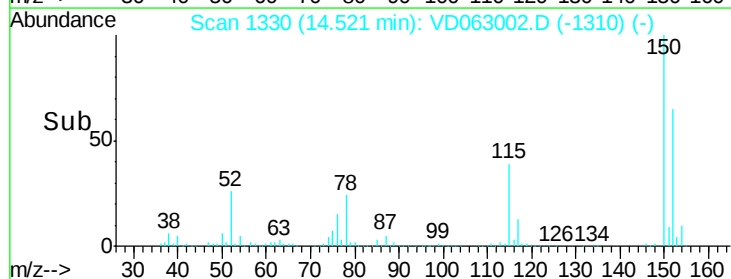
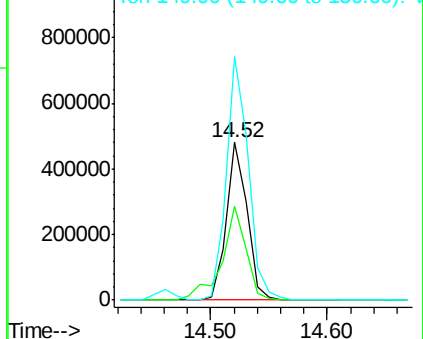
150 154.5 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.980 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

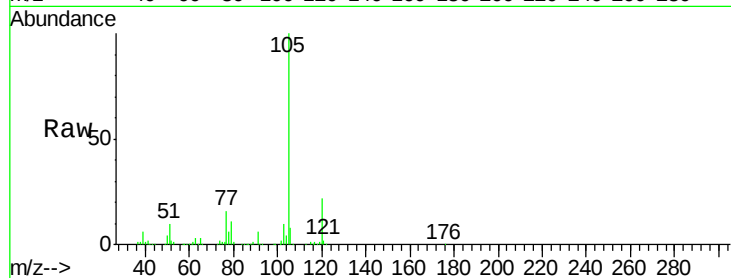
VD0702SBS01

Tot Ion:105 Resp: 795239

Ion Ratio Lower Upper

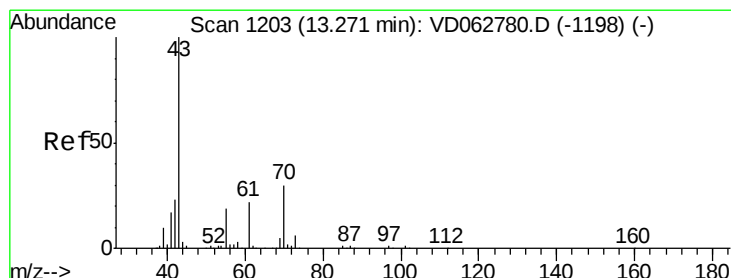
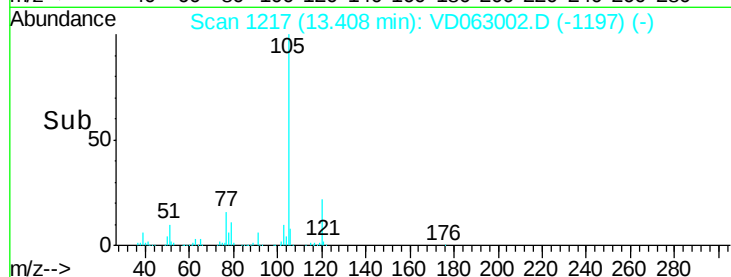
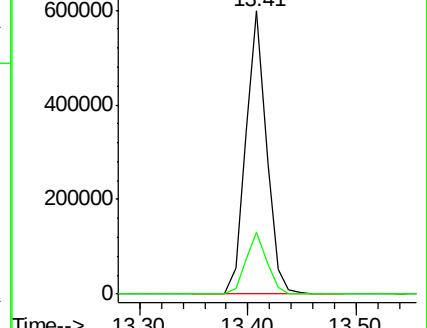
105 100

120 21.7 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.146 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Tgt Ion: 43 Resp: 194651

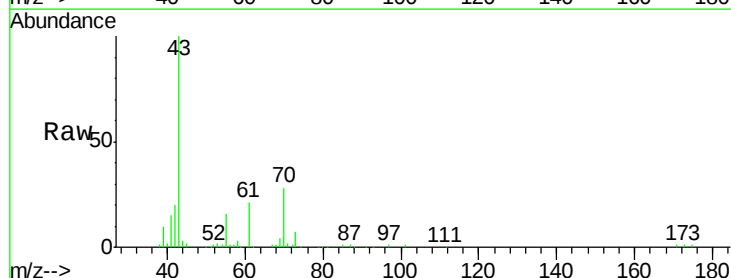
Ion Ratio Lower Upper

43 100

70 28.5 24.4 36.6

55 16.4 15.2 22.8

61 20.6 17.4 26.2

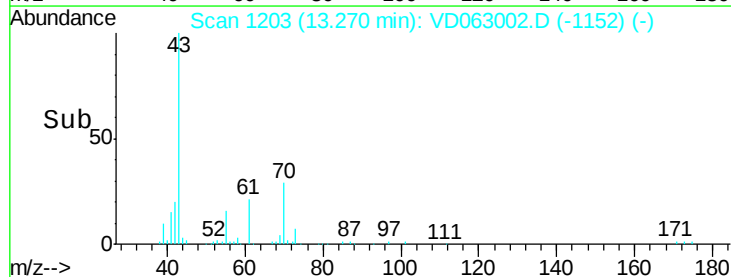
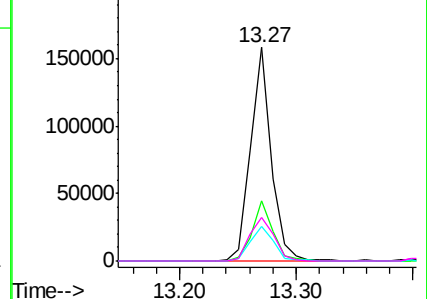


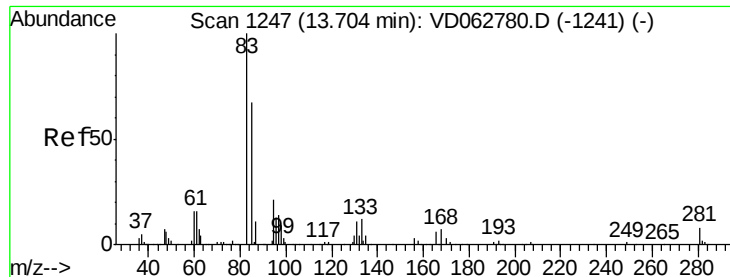
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.141 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

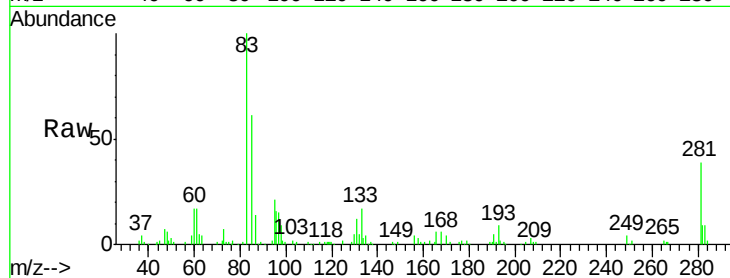
Tot Ion: 83 Resp: 130566

Ion Ratio Lower Upper

83 100

131 12.1 5.3 16.1

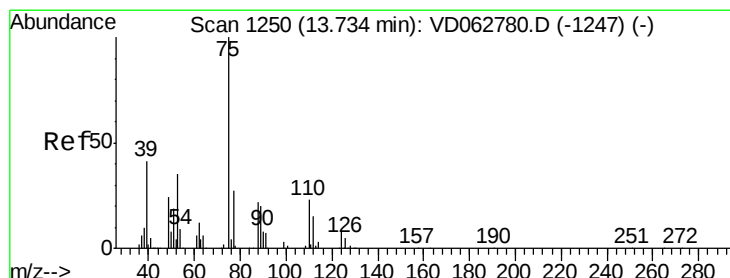
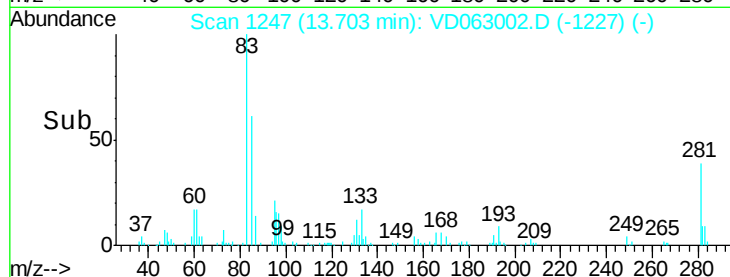
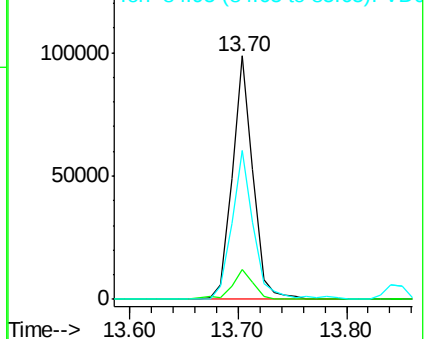
85 60.9 33.7 101.1



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: 21.008 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063002.D

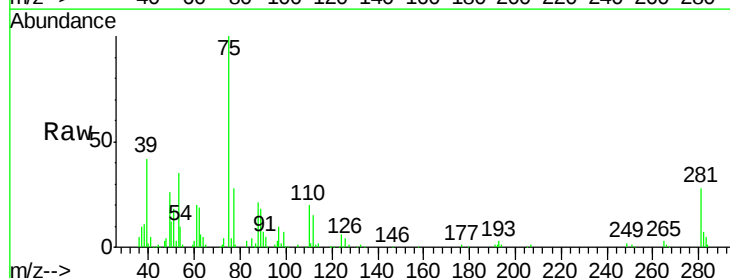
Acq: 2 Jul 2019 11:37

Tgt Ion: 75 Resp: 143370

Ion Ratio Lower Upper

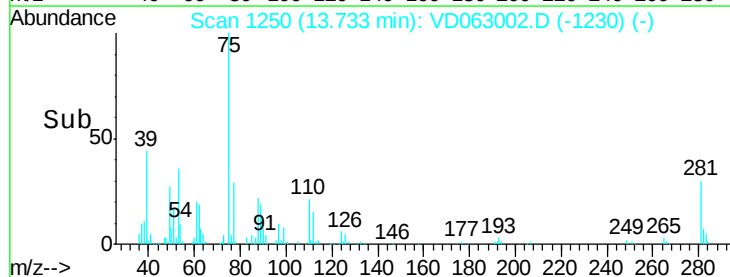
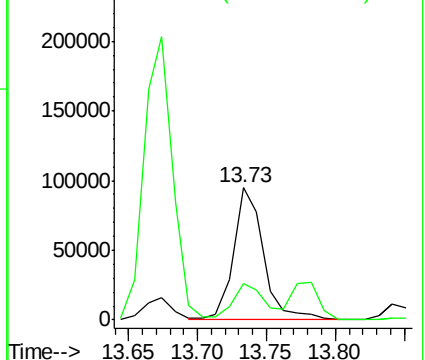
75 100

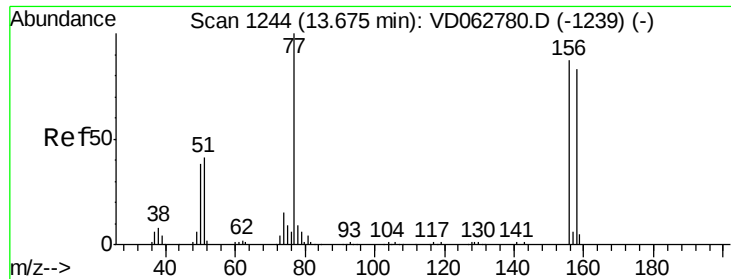
77 27.6 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.200 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

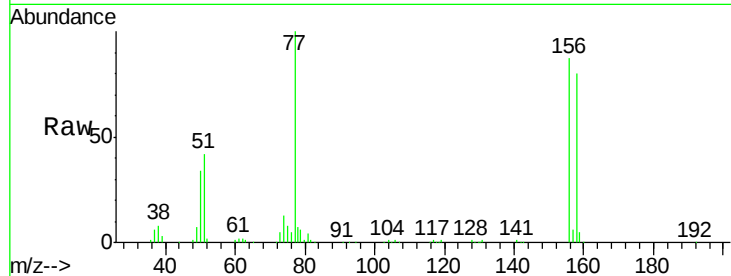
Tot Ion:156 Resp: 236526

Ion Ratio Lower Upper

156 100

77 114.8 57.7 173.1

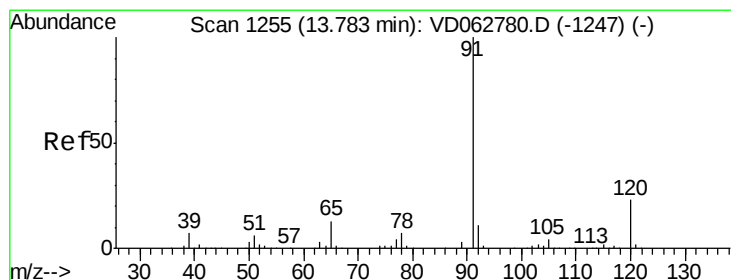
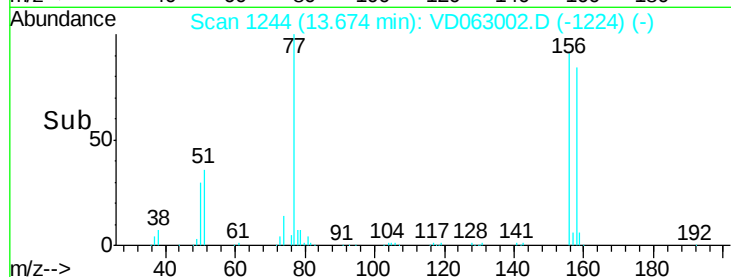
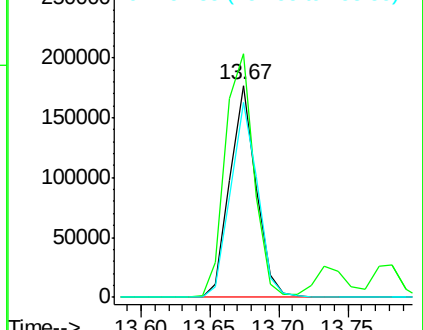
158 92.0 47.7 143.1



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: 21.238 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063002.D

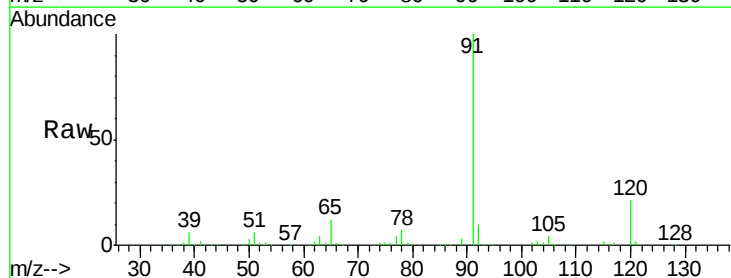
Acq: 2 Jul 2019 11:37

Tgt Ion: 91 Resp: 936977

Ion Ratio Lower Upper

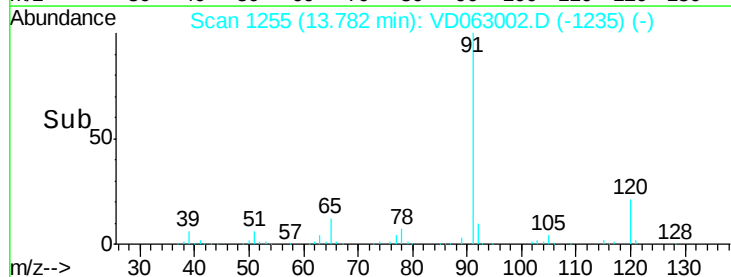
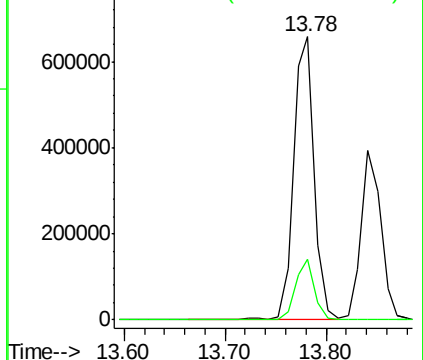
91 100

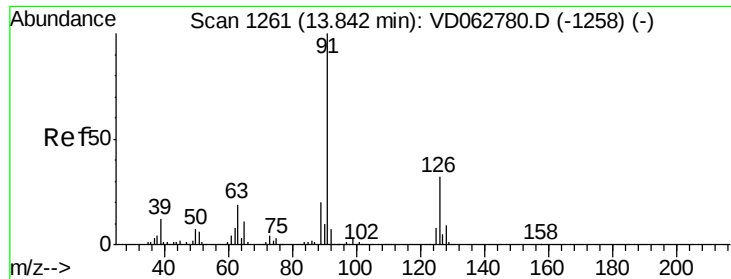
120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

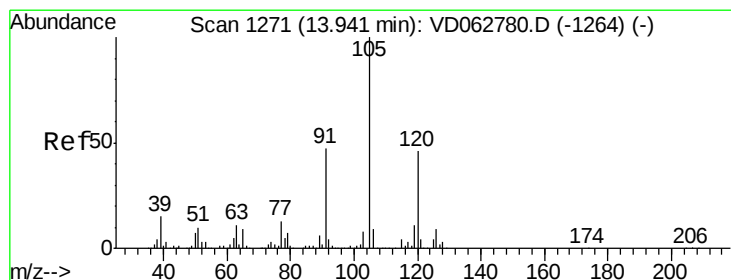
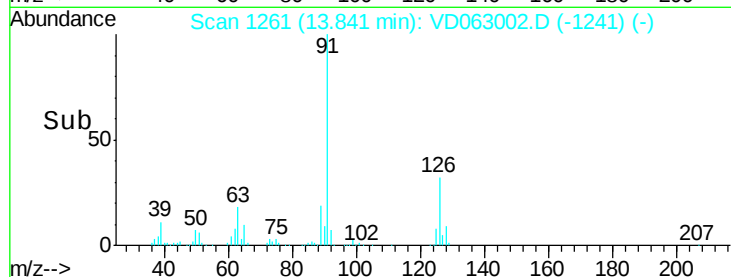
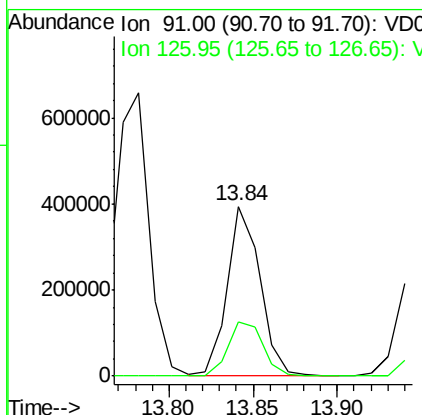
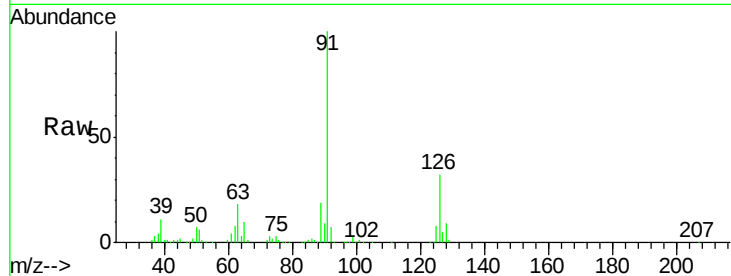




#79
 2-Chlorotoluene
 Concen: 21.171 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

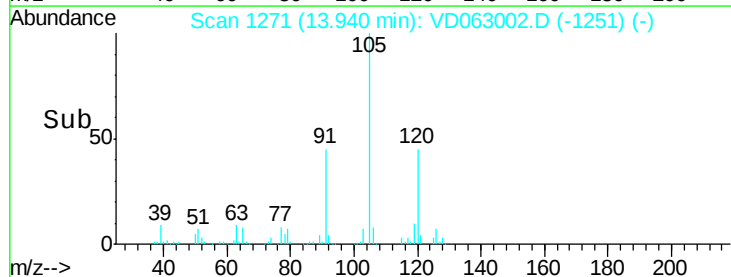
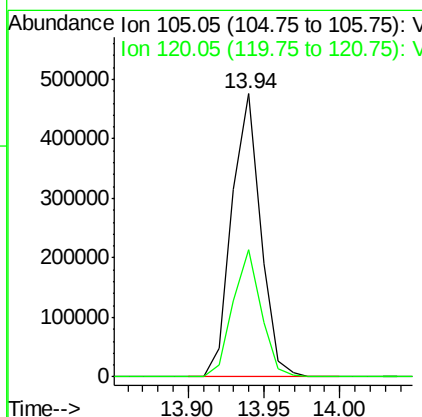
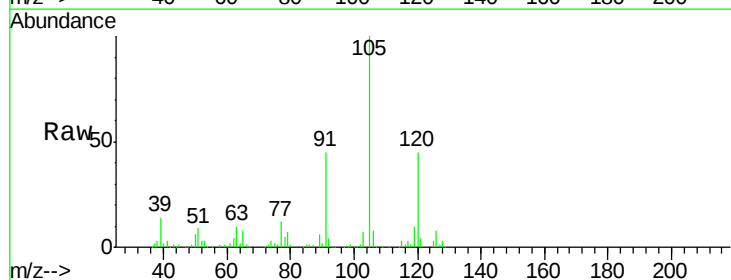
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

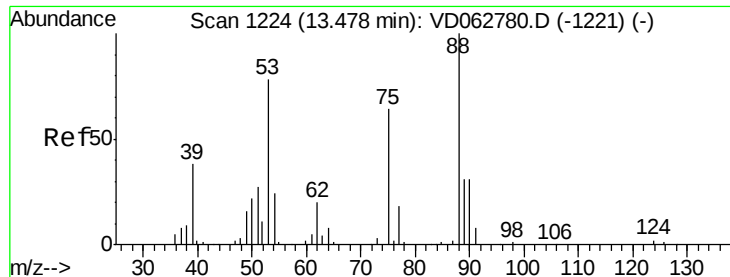
Tot Ion: 91 Resp: 533777
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.780 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 105 Resp: 629745
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.912 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

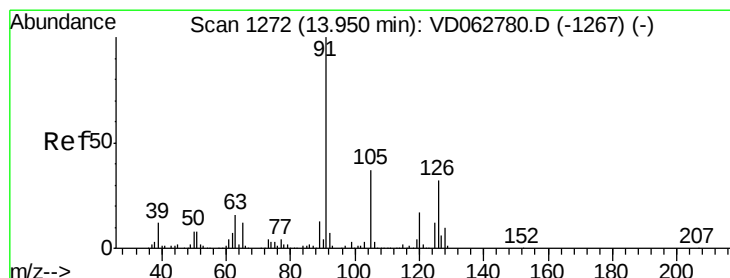
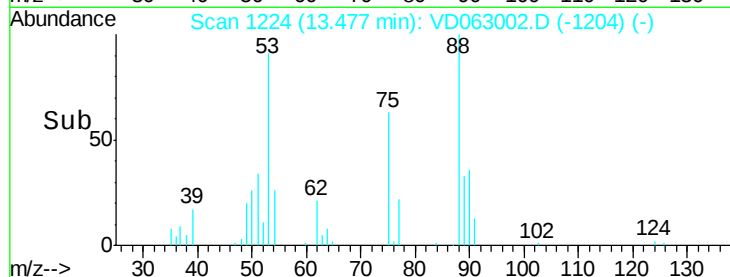
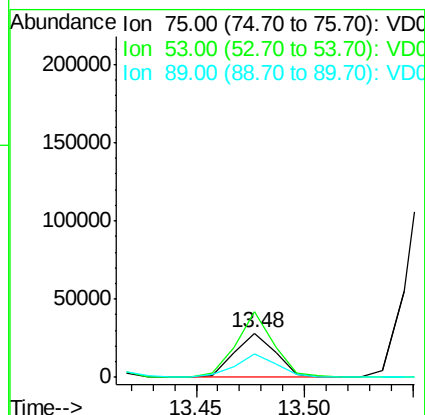
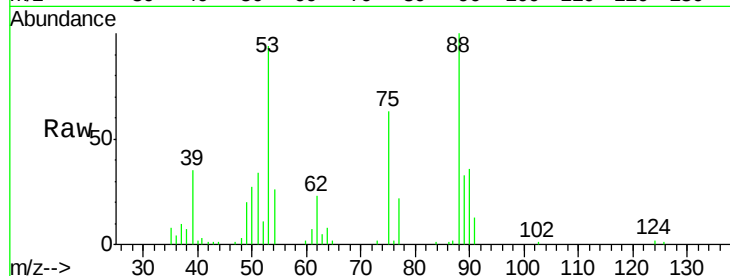
Tot Ion: 75 Resp: 37404

Ion Ratio Lower Upper

75 100

53 147.3 97.8 146.8#

89 51.9 39.4 59.2



#82

4-Chlorotoluene

Concen: 21.166 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063002.D

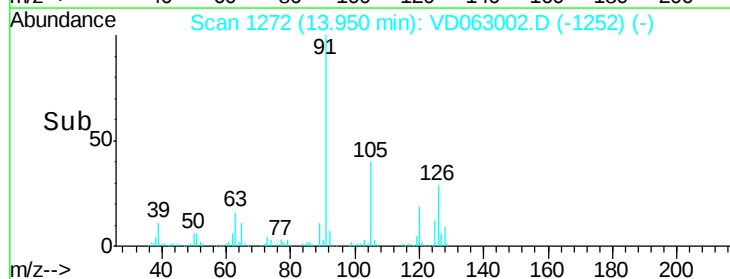
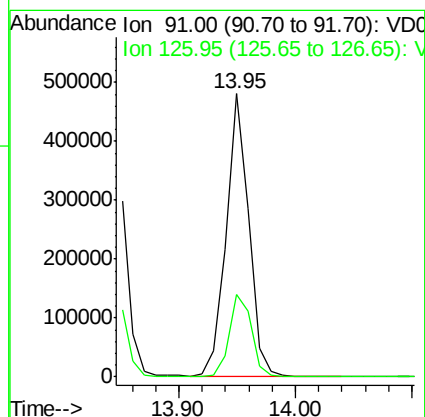
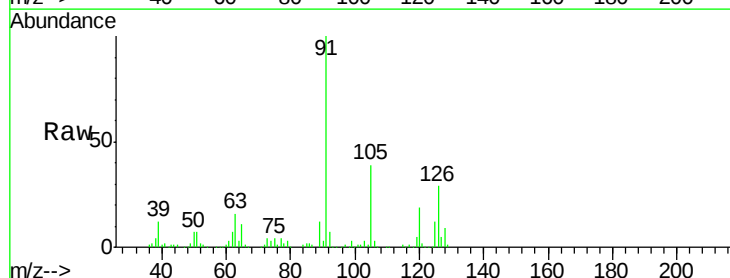
Acq: 2 Jul 2019 11:37

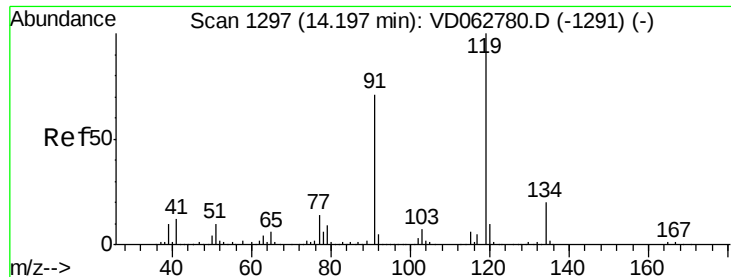
Tgt Ion: 91 Resp: 642452

Ion Ratio Lower Upper

91 100

126 29.1 16.0 47.9





#83

tert-Butylbenzene

Concen: 21.887 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

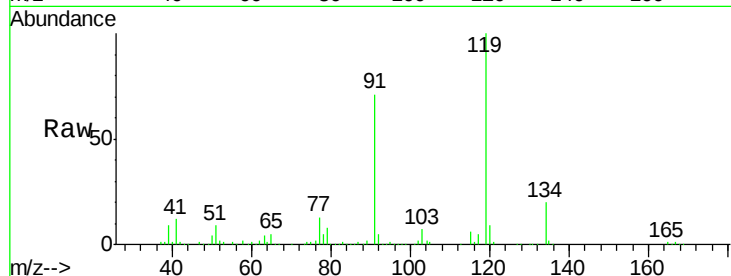
Tot Ion:119 Resp: 776727

Ion Ratio Lower Upper

119 100

91 70.9 35.5 106.5

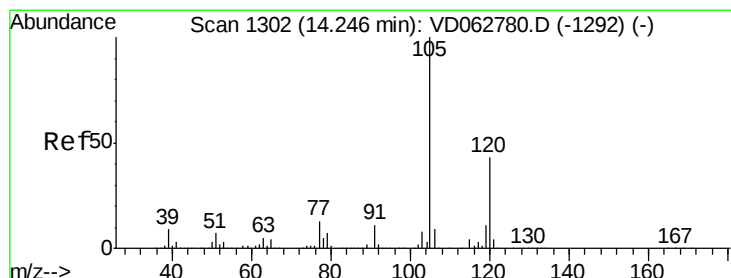
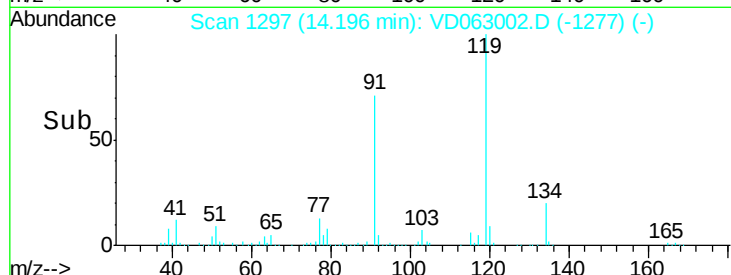
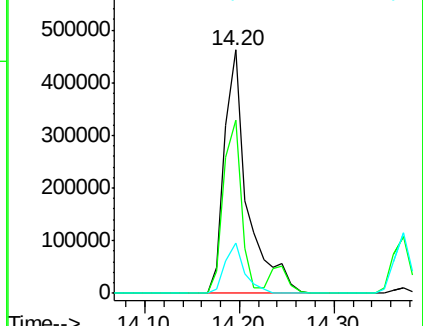
134 20.4 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.739 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063002.D

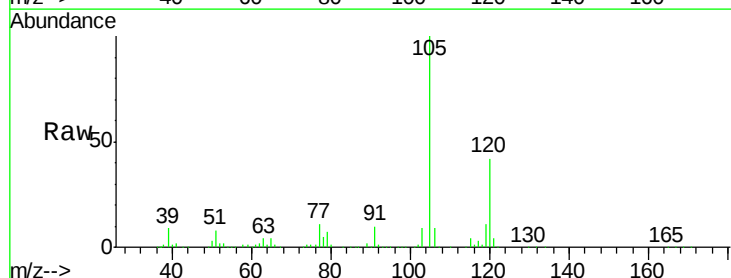
Acq: 2 Jul 2019 11:37

Tgt Ion:105 Resp: 676760

Ion Ratio Lower Upper

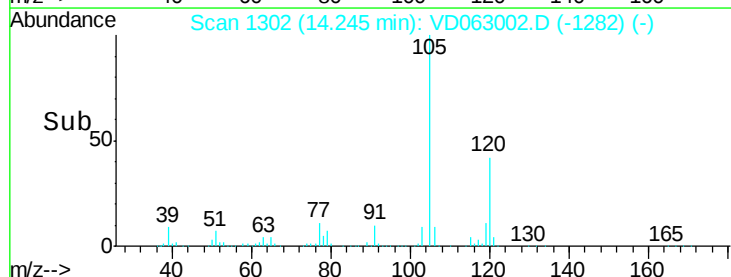
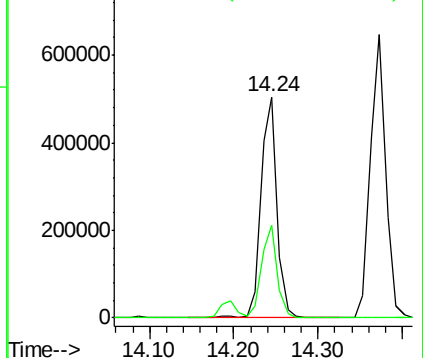
105 100

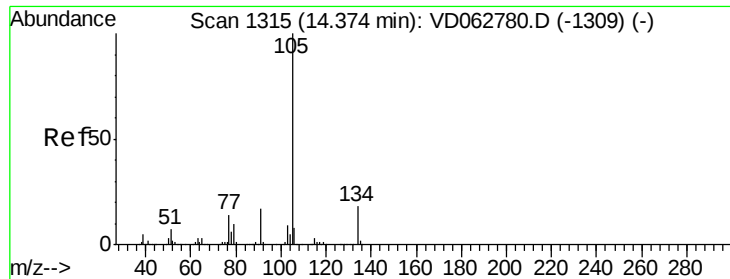
120 41.9 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

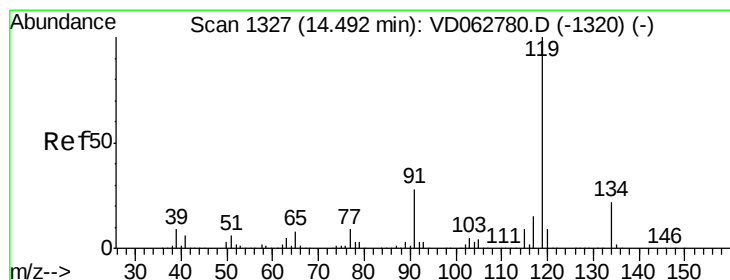
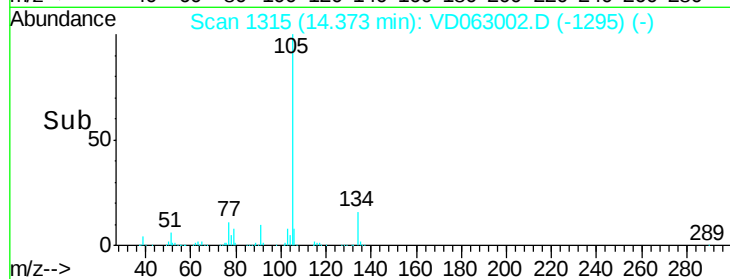
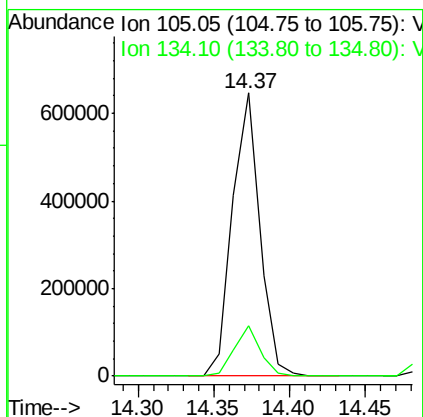
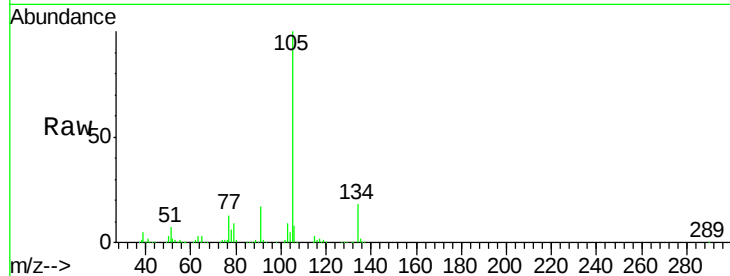




#85
 sec-Butylbenzene
 Concen: 21.101 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

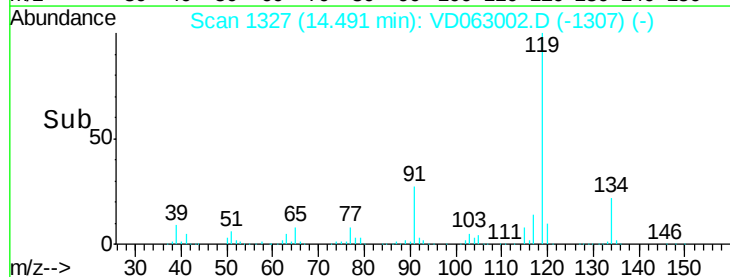
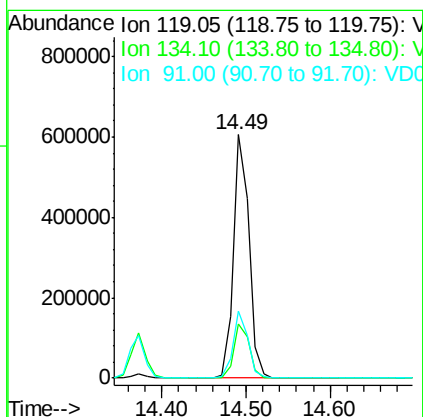
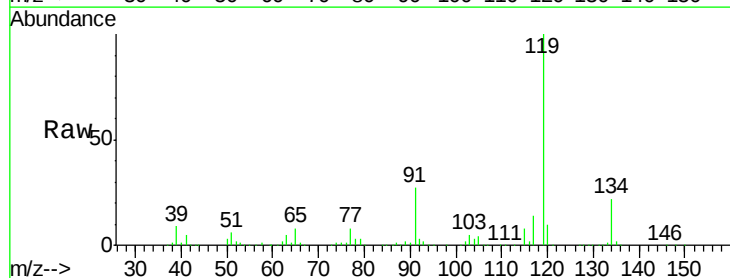
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion:105 Resp: 813893
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 21.936 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion:119 Resp: 774058
 Ion Ratio Lower Upper
 119 100
 134 22.1 11.1 33.1
 91 27.3 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 22.544 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

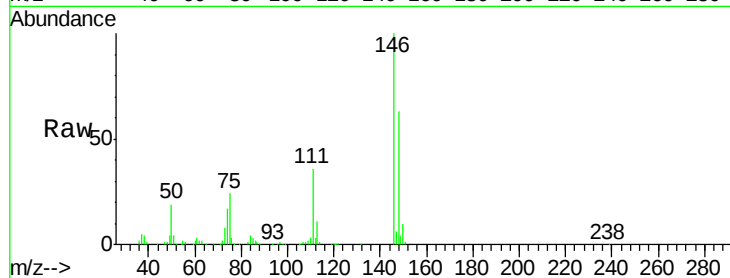
Tot Ion:146 Resp: 412006

Ion Ratio Lower Upper

146 100

111 36.2 19.0 57.0

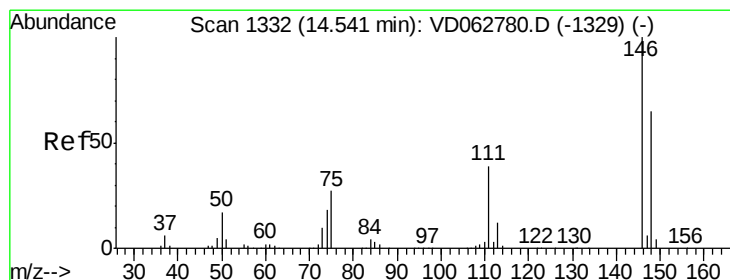
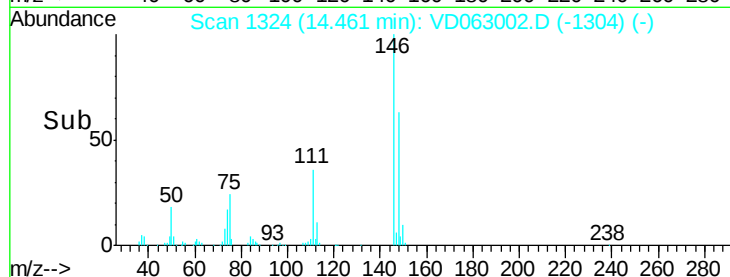
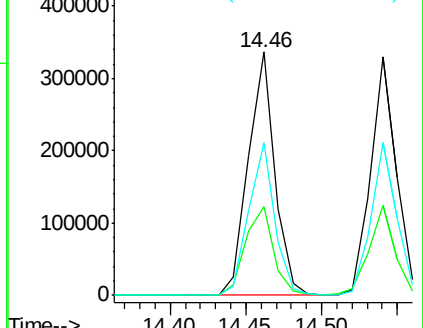
148 62.7 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.342 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

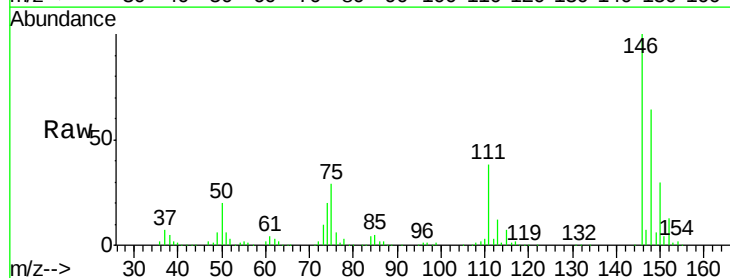
Tgt Ion:146 Resp: 391752

Ion Ratio Lower Upper

146 100

111 37.5 19.7 59.1

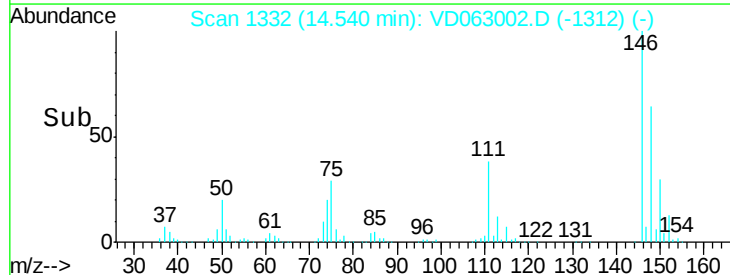
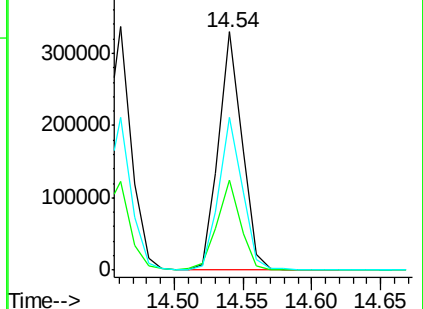
148 63.9 32.8 98.3

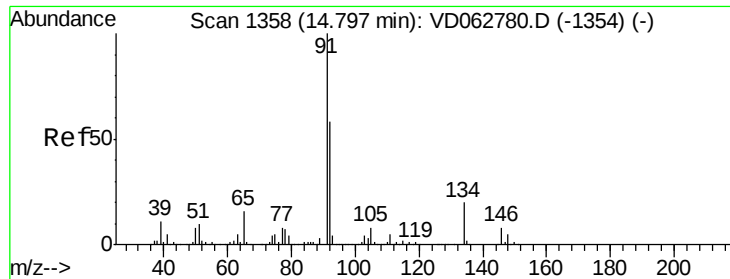


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

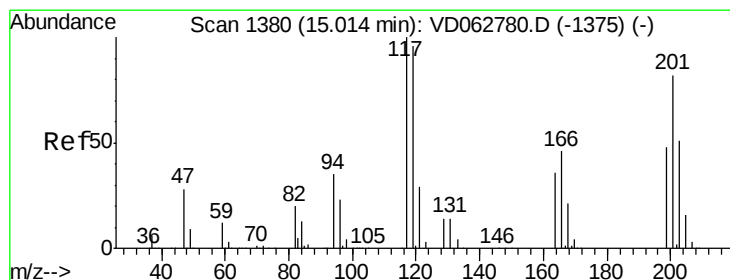
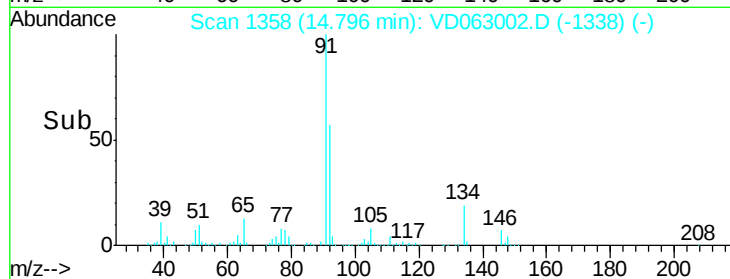
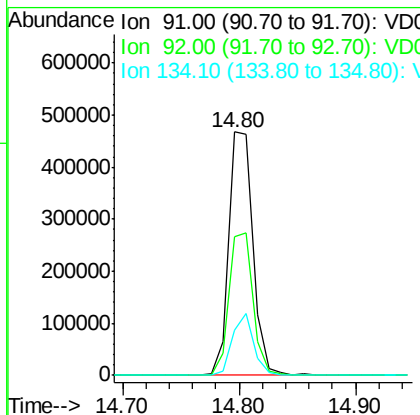
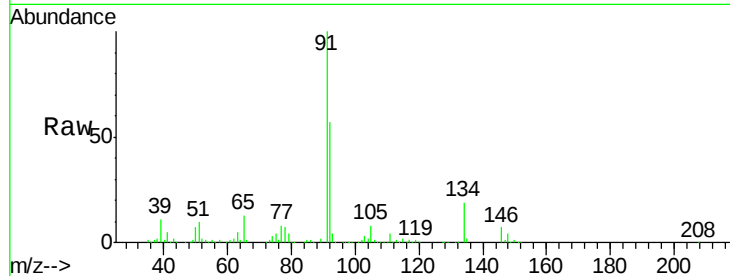




#89
n-Butylbenzene
Concen: 20.358 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

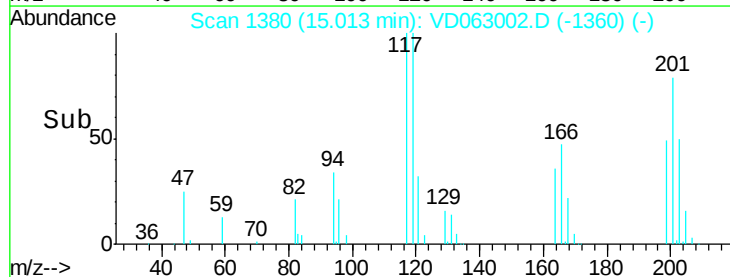
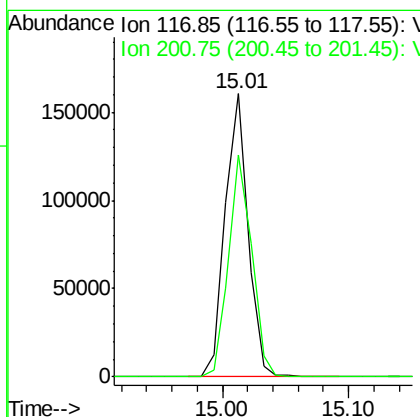
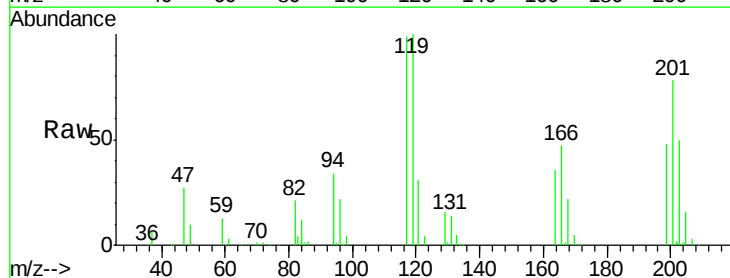
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

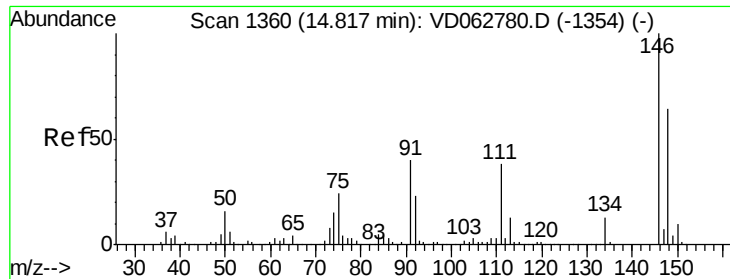
Tot Ion: 91 Resp: 672374
Ion Ratio Lower Upper
91 100
92 57.0 28.9 86.7
134 18.6 10.1 30.3



#90
Hexachloroethane
Concen: 21.163 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063002.D
Acq: 2 Jul 2019 11:37

Tgt Ion: 117 Resp: 200782
Ion Ratio Lower Upper
117 100
201 78.5 40.8 122.2

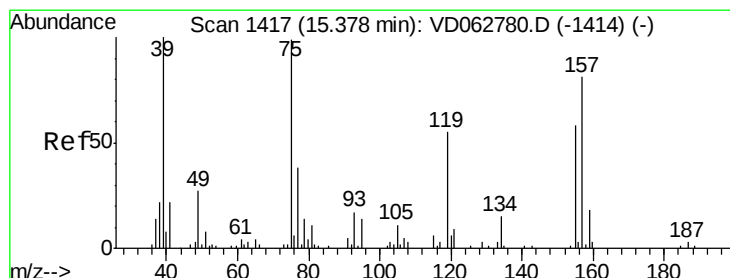
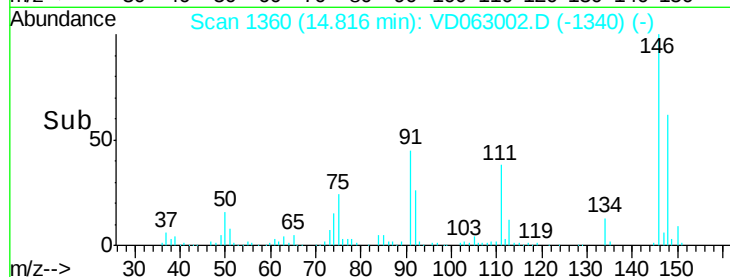
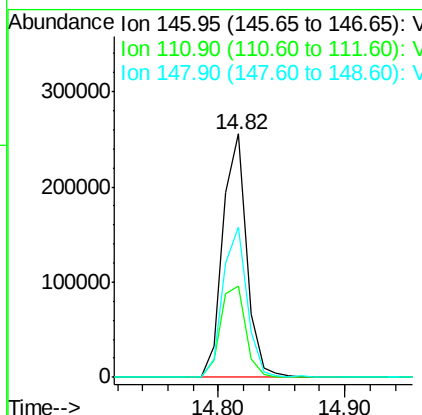
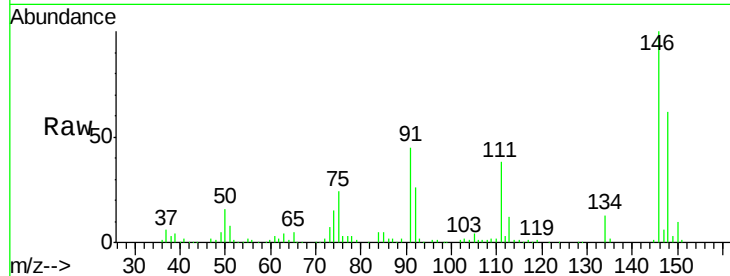




#91
 1,2-Dichlorobenzene
 Concen: 21.394 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

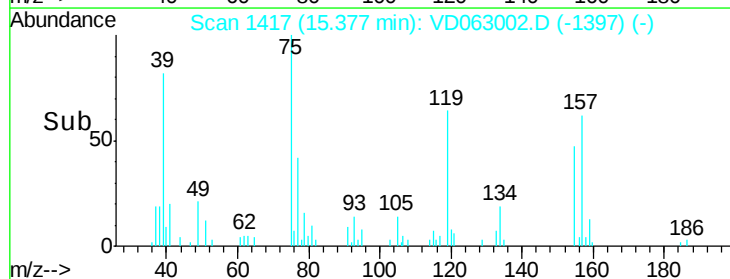
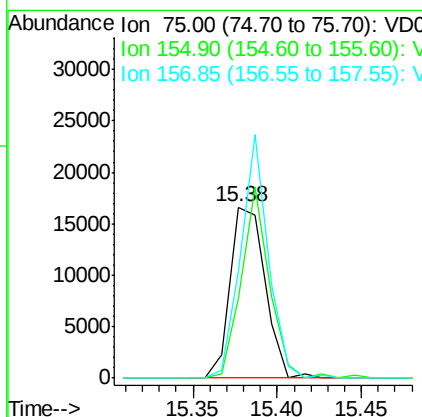
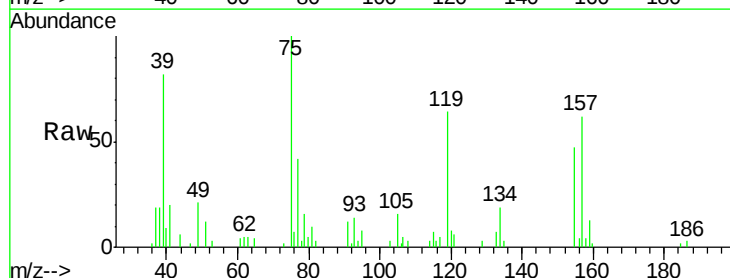
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

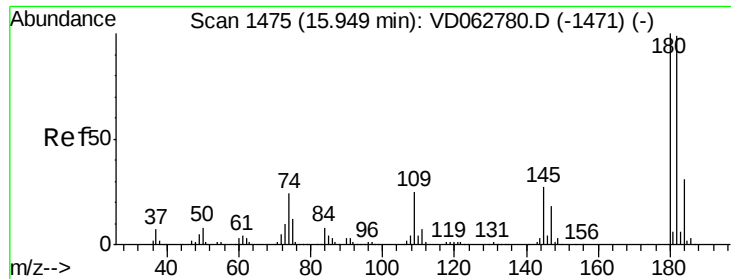
Tot Ion:146 Resp: 334528
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.1
 148 61.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.793 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion: 75 Resp: 23859
 Ion Ratio Lower Upper
 75 100
 155 47.1 29.3 87.8
 157 62.4 41.3 123.7

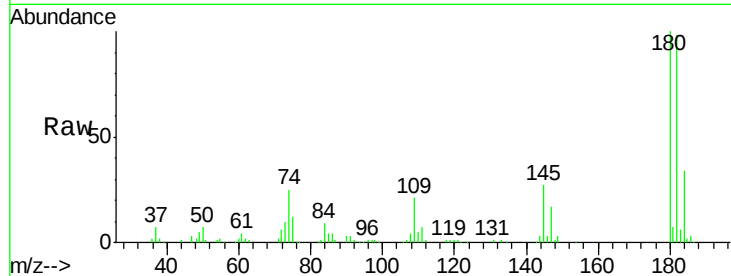




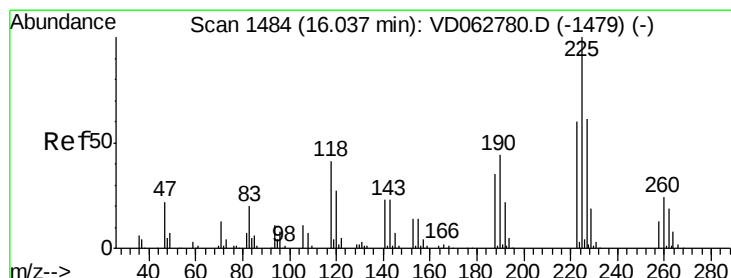
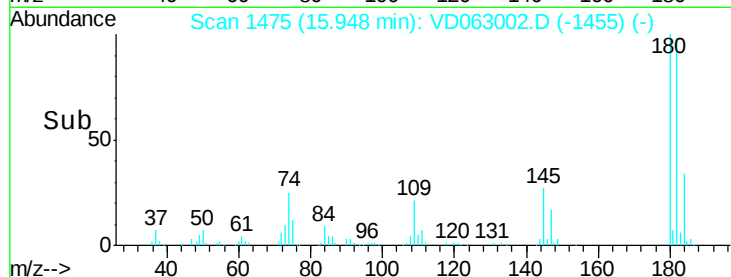
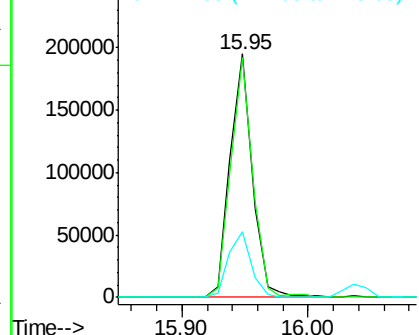
#93
 1,2,4-Trichlorobenzene
 Concen: 19.536 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion:180 Resp: 238620
 Ion Ratio Lower Upper
 180 100
 182 98.3 49.5 148.5
 145 27.2 13.7 41.0

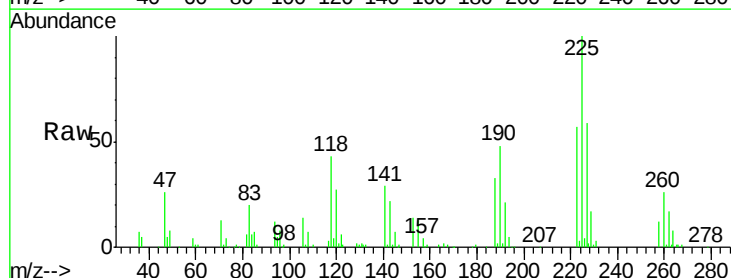


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

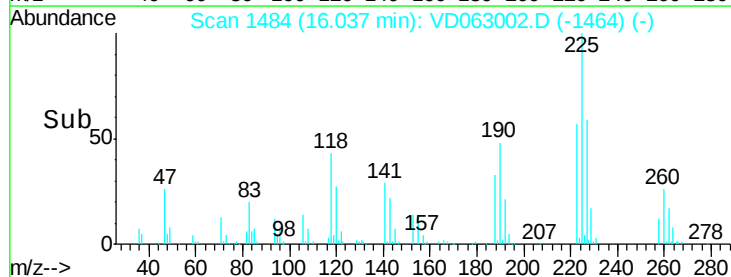
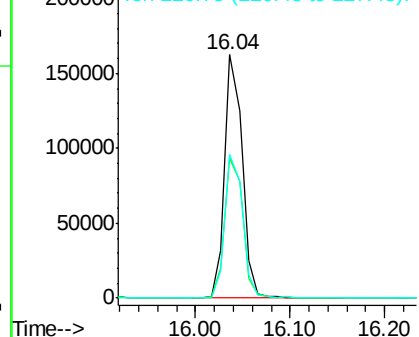


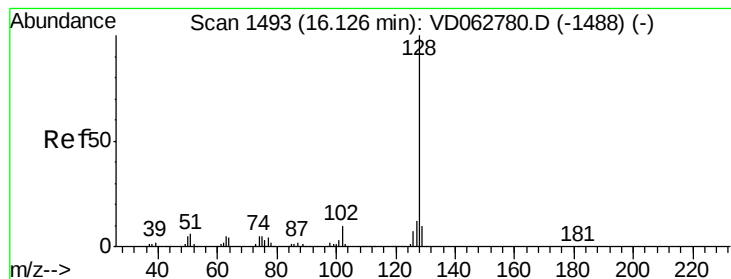
#94
 Hexachlorobutadiene
 Concen: 22.286 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063002.D
 Acq: 2 Jul 2019 11:37

Tgt Ion:225 Resp: 207958
 Ion Ratio Lower Upper
 225 100
 223 57.4 29.8 89.5
 227 58.9 30.6 91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 20.857 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

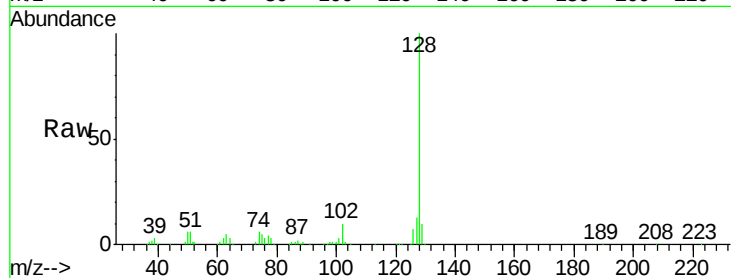
Tot Ion:128 Resp: 357073

Ion Ratio Lower Upper

128 100

127 12.7 9.7 14.5

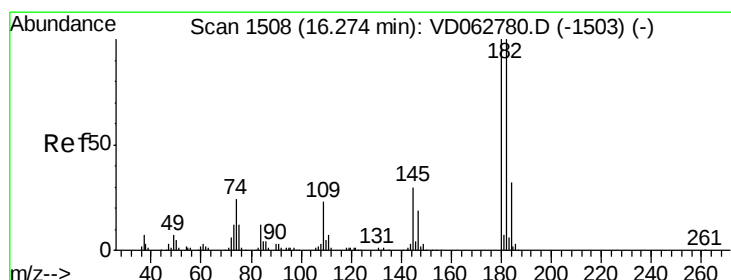
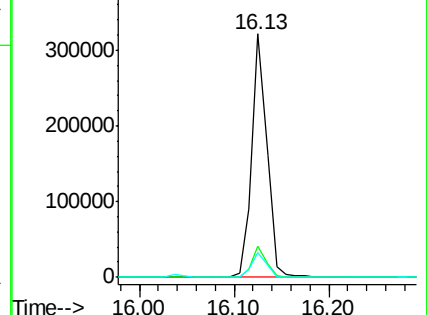
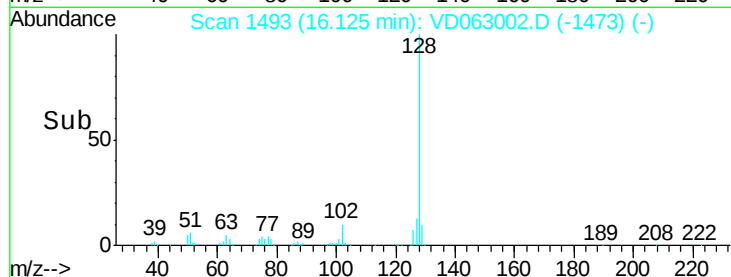
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.318 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063002.D

Acq: 2 Jul 2019 11:37

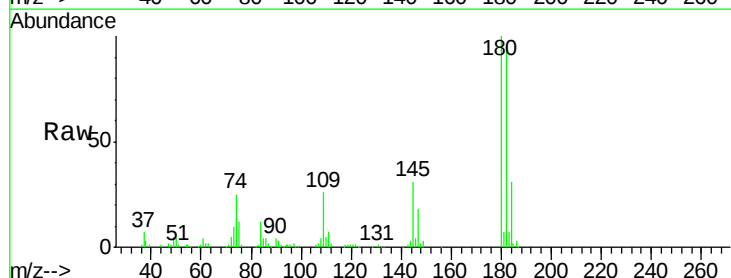
Tgt Ion:180 Resp: 200065

Ion Ratio Lower Upper

180 100

182 96.3 49.9 149.6

145 30.8 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

