

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061392.D
 Acq On : 28 Mar 2019 15:50
 Operator : VA/AP
 Sample : VD0328SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Quant Time: Mar 28 16:19:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	718426	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1272687	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	995699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	447647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	306895	50.01	ug/l	0.01
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	6.92	113	482106	49.57	ug/l	0.02
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.41	98	1171540	50.22	ug/l	0.02
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	13.55	95	460360	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	159702	20.815	ug/l	99
3) Chloromethane	1.76	50	131260	20.977	ug/l	98
4) Vinyl Chloride	1.86	62	114961	20.009	ug/l	100
5) Bromomethane	2.16	94	22099	19.397	ug/l	93
6) Chloroethane	2.26	64	31974	18.978	ug/l	96
7) Trichlorofluoromethane	2.53	101	168786	20.203	ug/l	99
8) Diethyl Ether	2.87	74	53008	19.706	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.15	101	187538	20.880	ug/l	98
10) Methyl Iodide	3.31	142	231325	19.233	ug/l	98
11) Tert butyl alcohol	4.07	59	39469	103.268	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	159706	20.711	ug/l	97
13) Acrolein	3.04	56	37108	115.063	ug/l	95
14) Allyl chloride	3.62	41	240683	22.378	ug/l	97
15) Acrylonitrile	4.19	53	143767	108.378	ug/l	99
16) Acetone	3.22	43	148188	93.930	ug/l	96
17) Carbon Disulfide	3.38	76	485108	19.362	ug/l	97
18) Methyl Acetate	3.64	43	73317	22.103	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	284859	21.340	ug/l	99
20) Methylene Chloride	3.82	84	215423	23.352	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	179932	21.612	ug/l	99
22) Diisopropyl ether	5.12	45	482610	21.204	ug/l	98
23) Vinyl Acetate	5.05	43	1279338	103.479	ug/l	97
24) 1,1-Dichloroethane	4.98	63	284312	21.255	ug/l	97
25) 2-Butanone	6.06	43	205666	103.635	ug/l	97
26) 2,2-Dichloropropane	6.01	77	220431	20.731	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	191566	21.001	ug/l	95
28) Bromochloromethane	6.43	49	112874	20.905	ug/l	86
29) Tetrahydrofuran	6.45	42	101576	105.600	ug/l	99
30) Chloroform	6.65	83	302391	21.879	ug/l	100
31) Cyclohexane	6.95	56	211582	20.017	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	241559	19.811	ug/l	97
36) 1,1-Dichloropropene	7.14	75	216187	19.463	ug/l	100
37) Ethyl Acetate	6.17	43	102337	21.542	ug/l	98
38) Carbon Tetrachloride	7.11	117	249512	19.548	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	235105	20.323	ug/l	94
40) Benzene	7.44	78	530958	19.046	ug/l	98
41) Methacrylonitrile	6.45	41	109732	19.756	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	166199	19.931	ug/l	100
43) Isopropyl Acetate	9.23	43	140335	20.303	ug/l	97
44) Trichloroethene	8.54	130	210166	20.258	ug/l	92
45) 1,2-Dichloropropane	8.93	63	140557	19.884	ug/l	99
46) Dibromomethane	9.06	93	95241	20.018	ug/l	98
47) Bromodichloromethane	9.36	83	215301	20.162	ug/l	97
48) Methyl methacrylate	9.12	41	77158	20.227	ug/l	99
49) 1,4-Dioxane	9.07	88	17204	408.894	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	436183	103.726	ug/l	99
52) Toluene	10.50	92	333122	19.587	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	185564	19.126	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	241626	20.452	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	114244	19.208	ug/l	98
56) Ethyl methacrylate	11.04	69	134258	21.012	ug/l	96
57) 1,3-Dichloropropane	11.40	76	163677	18.723	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	325702	104.671	ug/l	97
59) 2-Hexanone	11.53	43	299668	98.357	ug/l	95
60) Dibromochloromethane	11.68	129	180014	19.633	ug/l	99
61) 1,2-Dibromoethane	11.79	107	131566	19.103	ug/l	97
64) Tetrachloroethene	11.24	164	160219	20.503	ug/l	98
65) Chlorobenzene	12.39	112	418543	20.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	166526	21.136	ug/l	99
67) Ethyl Benzene	12.51	91	663991	21.378	ug/l	95
68) m/p-Xylenes	12.66	106	519444	44.150	ug/l	98
69) o-Xylene	13.04	106	247377	21.666	ug/l	99
70) Styrene	13.06	104	426869	21.447	ug/l	98
71) Bromoform	13.23	173	94448	18.911	ug/l	97
73) Isopropylbenzene	13.40	105	679741	21.817	ug/l	99
74) N-amyl acetate	13.26	43	165082	19.021	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	132018	20.087	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	130118	20.122	ug/l	100
77) Bromobenzene	13.66	156	186308	20.171	ug/l	88
78) n-propylbenzene	13.76	91	769301	20.177	ug/l	95
79) 2-Chlorotoluene	13.83	91	433777	20.953	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	533651	22.076	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	40355	20.468	ug/l #	92
82) 4-Chlorotoluene	13.94	91	489127	21.729	ug/l	93
83) tert-Butylbenzene	14.19	119	634575	21.005	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	527945	20.173	ug/l	97
85) sec-Butylbenzene	14.36	105	673891	20.998	ug/l	98
86) p-Isopropyltoluene	14.48	119	602083	22.186	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	329459	21.064	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	319264	20.931	ug/l	97
89) n-Butylbenzene	14.80	91	487211	19.560	ug/l	98
90) Hexachloroethane	15.00	117	145328	18.955	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	236415	18.428	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15906	20.635	ug/l	70

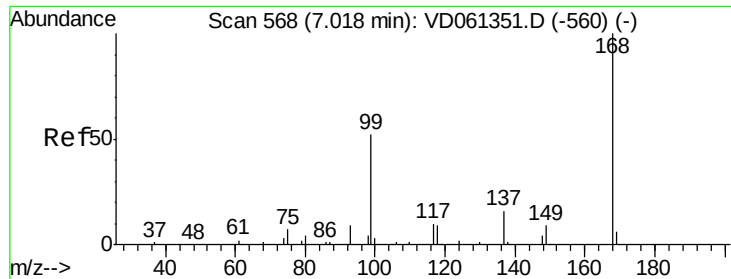
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
Data File : VD061392.D
Acq On : 28 Mar 2019 15:50
Operator : VA/AP
Sample : VD0328SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	119521	20.451	ug/l	97
94) Hexachlorobutadiene	16.04	225	97046	21.250	ug/l	99
95) Naphthalene	16.12	128	193598	21.733	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	60604	23.566	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

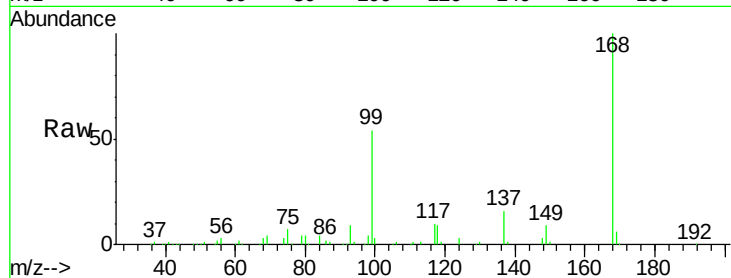
VD0328SBS01

Tot Ion:168 Resp: 718426

Ion Ratio Lower Upper

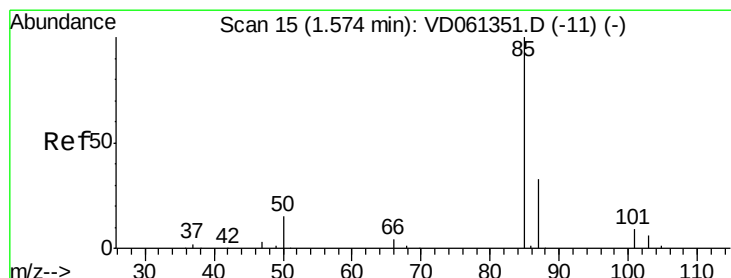
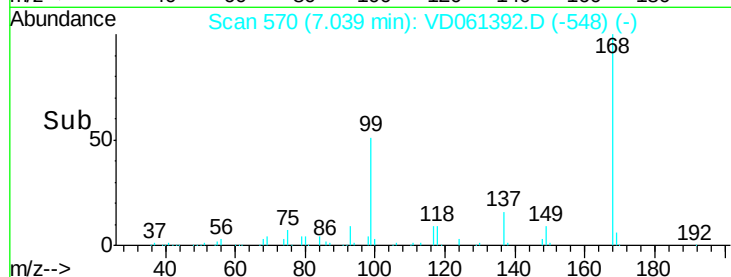
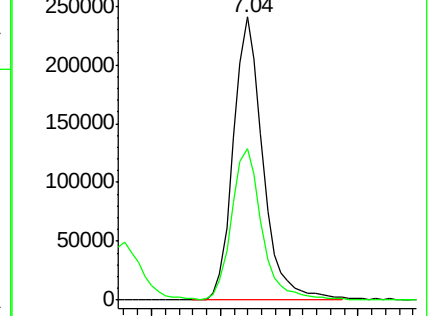
168 100

99 53.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.815 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061392.D

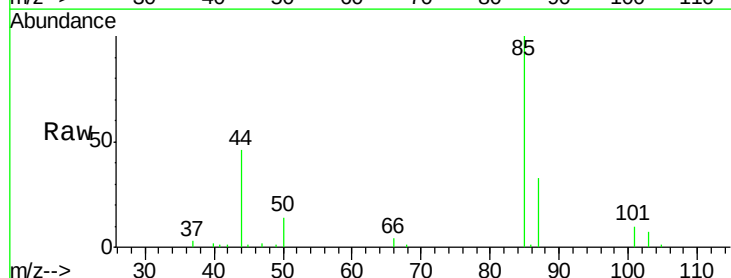
Acq: 28 Mar 2019 15:50

Tgt Ion: 85 Resp: 159702

Ion Ratio Lower Upper

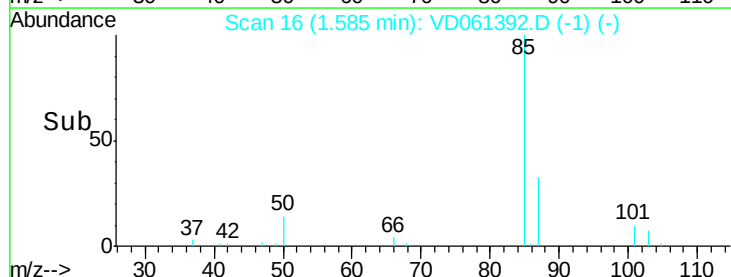
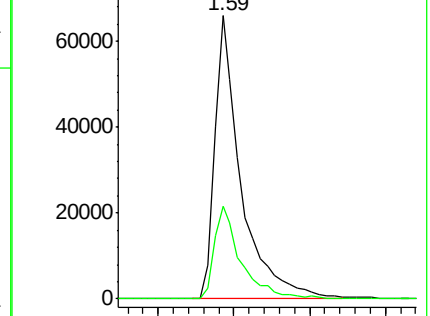
85 100

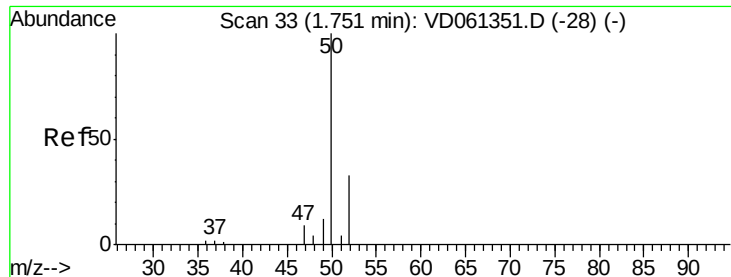
87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.977 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

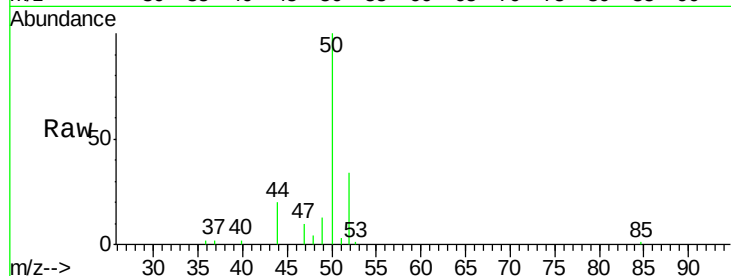
VD0328SBSD01

Tot Ion: 50 Resp: 131260

Ion Ratio Lower Upper

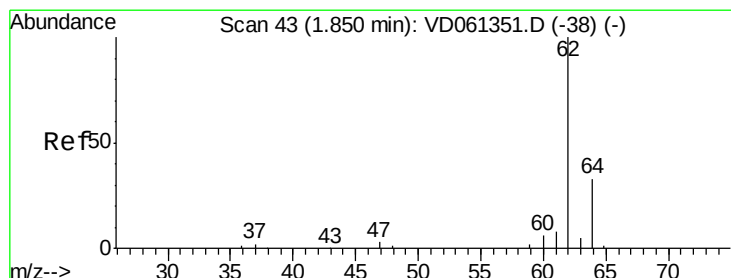
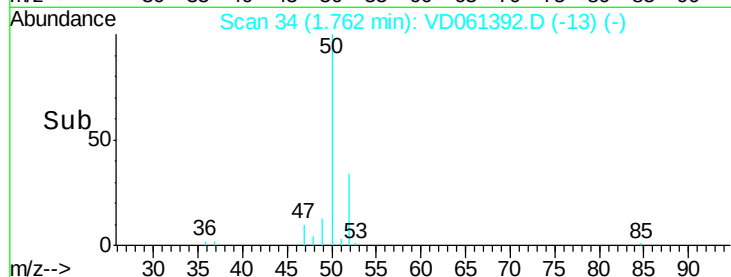
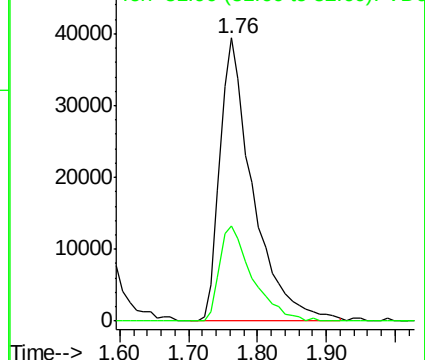
50 100

52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.009 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061392.D

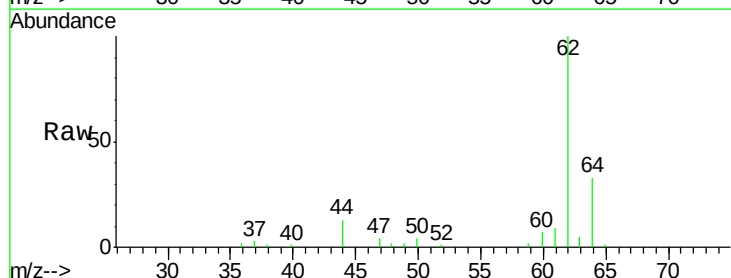
Acq: 28 Mar 2019 15:50

Tgt Ion: 62 Resp: 114961

Ion Ratio Lower Upper

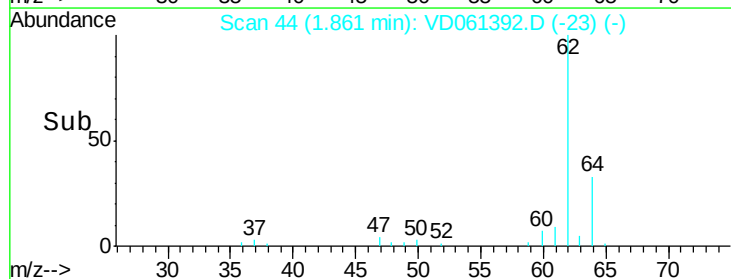
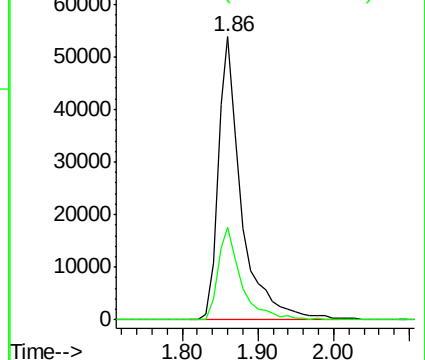
62 100

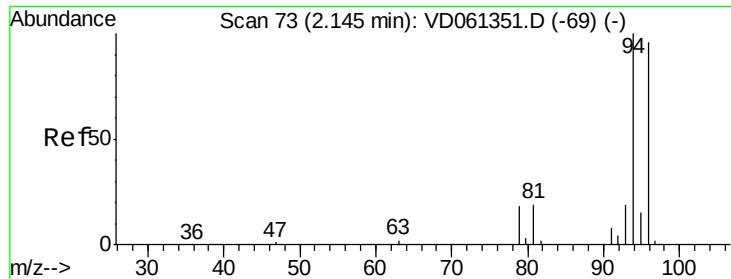
64 32.9 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

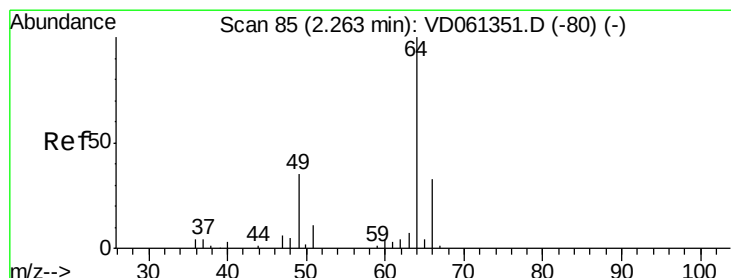
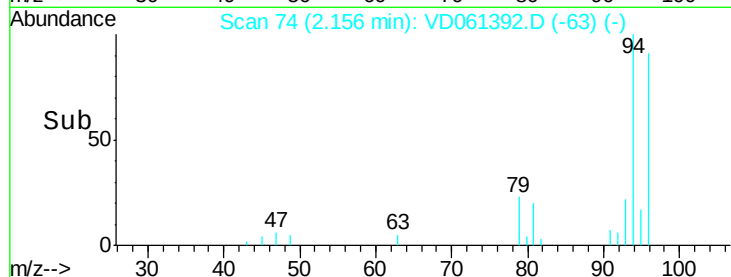
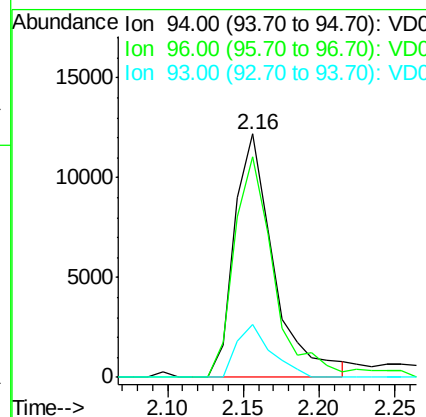
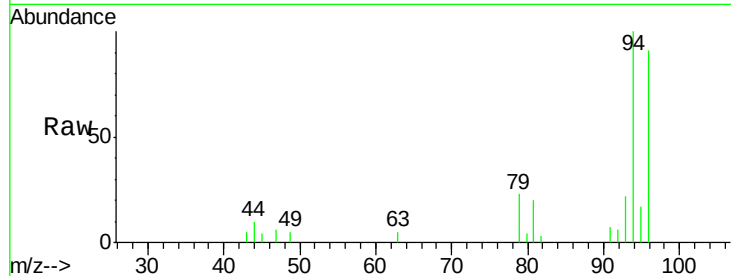




#5
Bromomethane
Concen: 19.397 ug/l
RT: 2.16 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

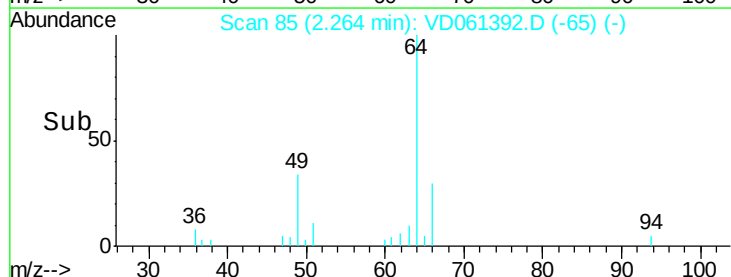
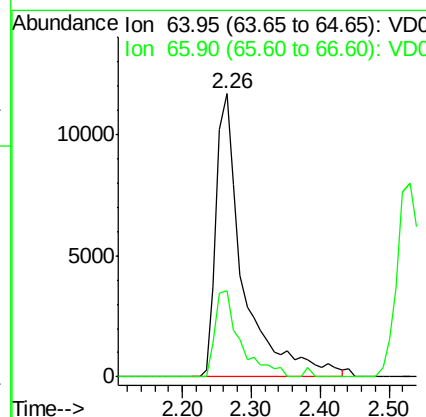
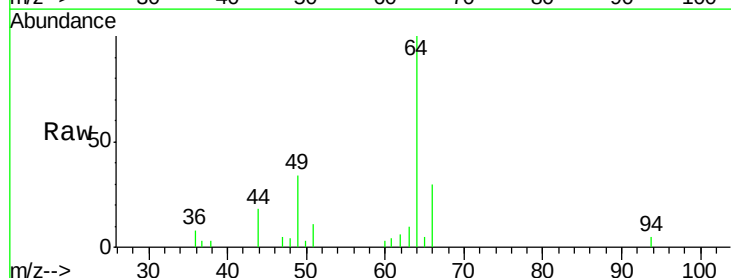
Instrument :
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ClientSampleId :
VD0328SBSD01

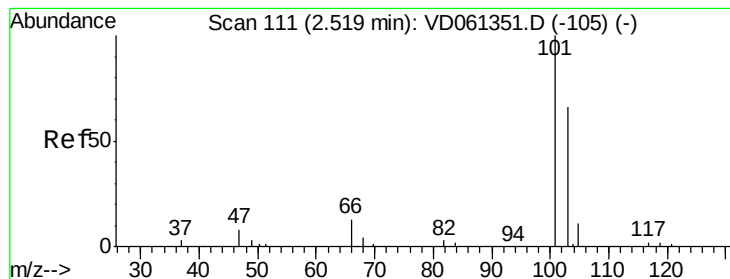
Tot Ion: 94 Resp: 22099
Ion Ratio Lower Upper
94 100
96 90.8 78.3 117.5
93 21.9 15.6 23.4



#6
Chloroethane
Concen: 18.978 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 64 Resp: 31974
Ion Ratio Lower Upper
64 100
66 30.3 26.2 39.2



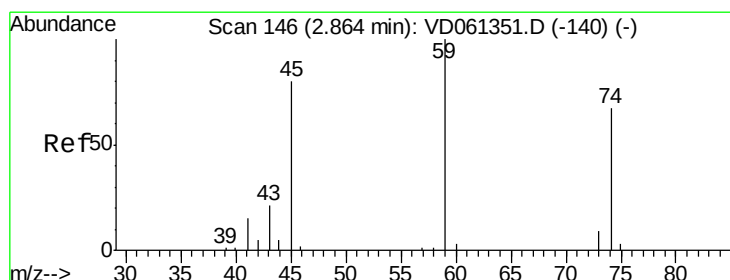
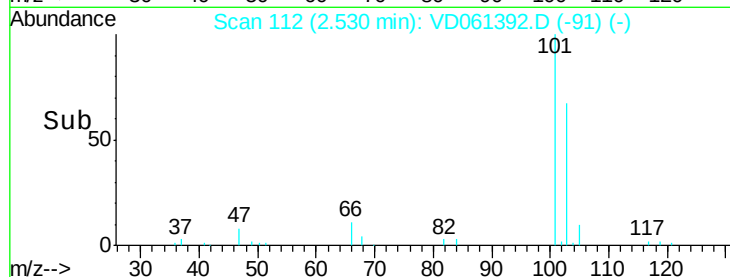
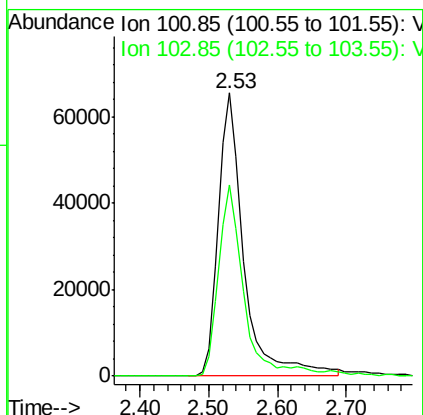
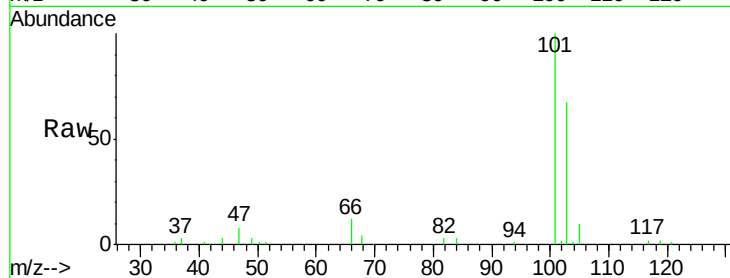


#7

Trichlorofluoromethane
Concen: 20.203 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

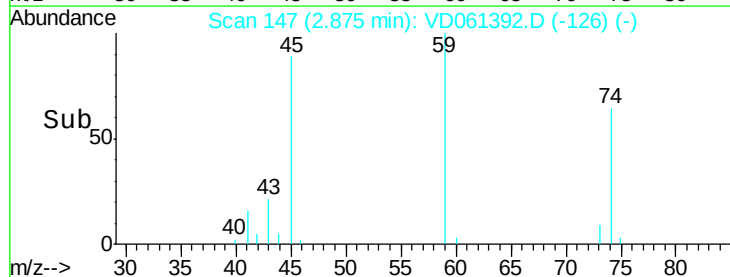
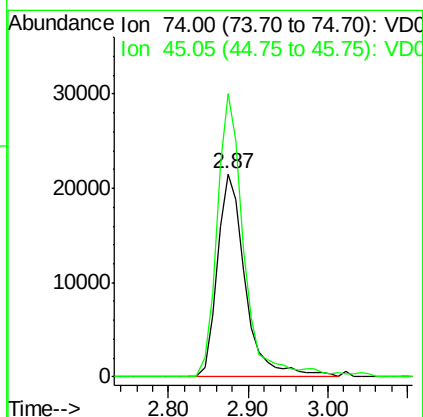
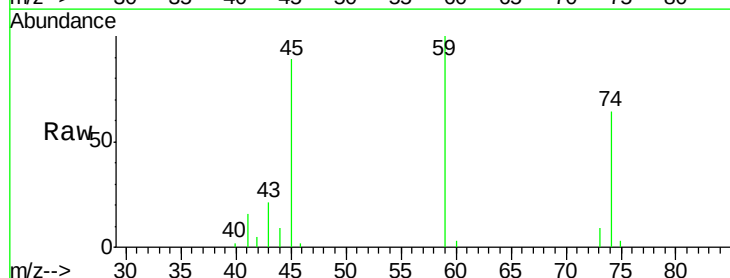
Tot Ion:101 Resp: 168786
Ion Ratio Lower Upper
101 100
103 67.5 53.1 79.7

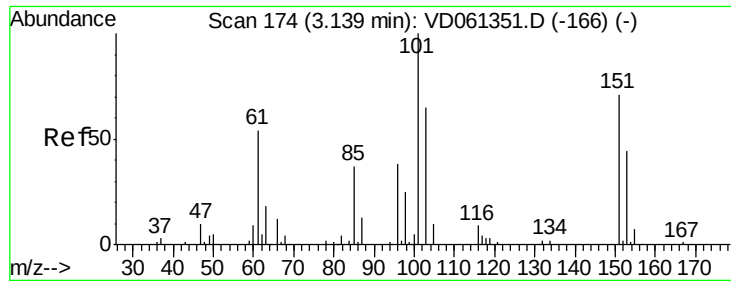


#8

Diethyl Ether
Concen: 19.706 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 74 Resp: 53008
Ion Ratio Lower Upper
74 100
45 139.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.880 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

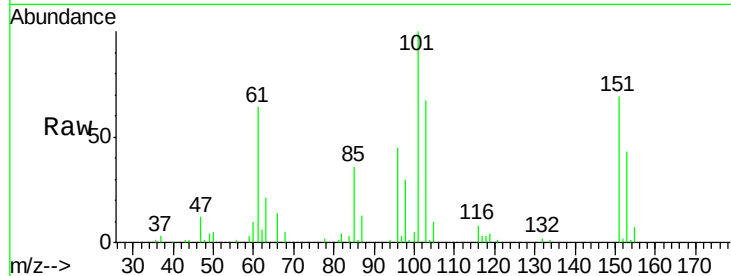
Tot Ion:101 Resp: 187538

Ion Ratio Lower Upper

101 100

85 36.5 29.4 44.0

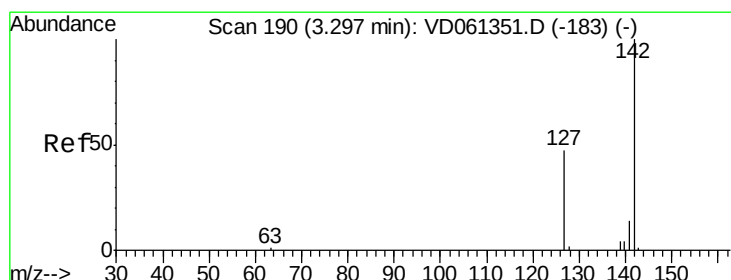
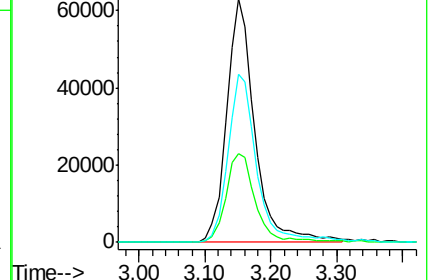
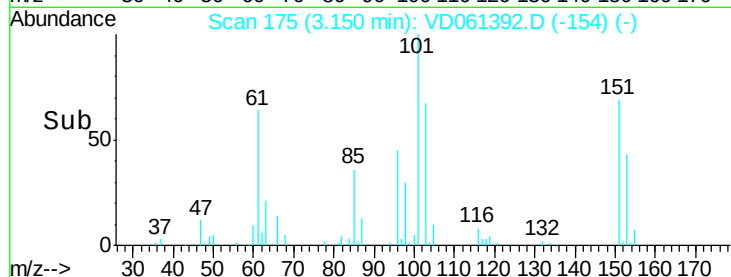
151 69.3 57.0 85.4



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: 19.233 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

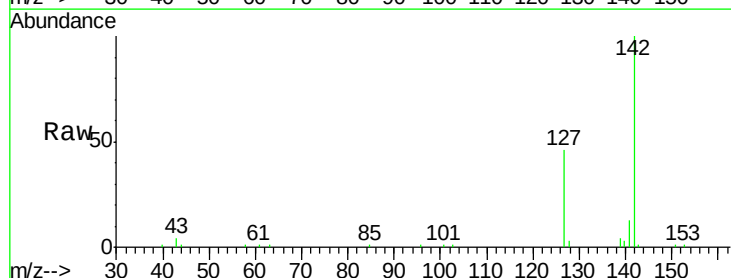
Tgt Ion:142 Resp: 231325

Ion Ratio Lower Upper

142 100

127 45.8 37.7 56.5

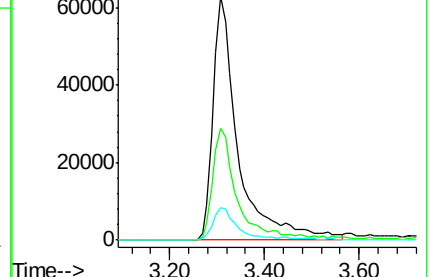
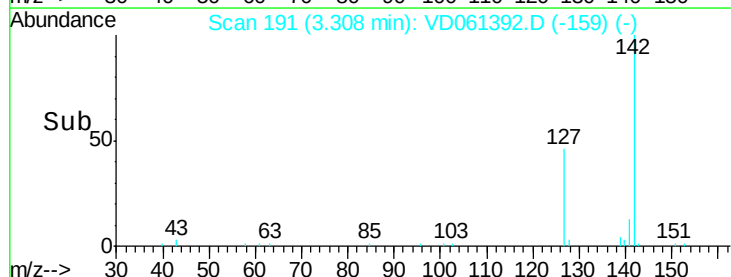
141 13.1 11.5 17.3

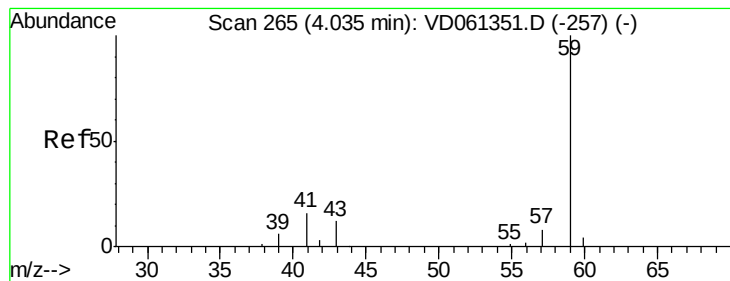


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



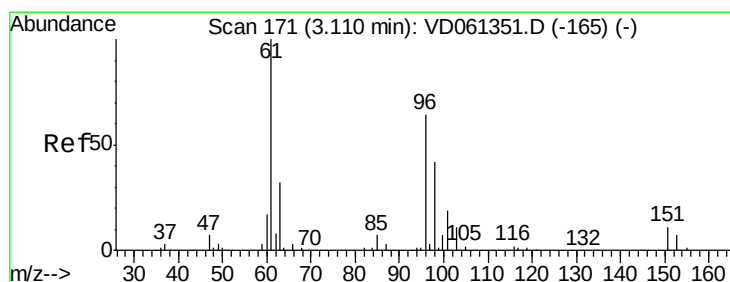
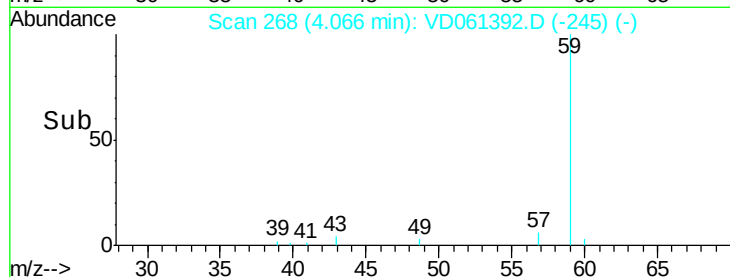
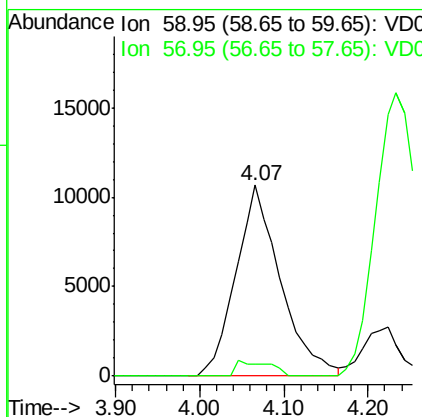
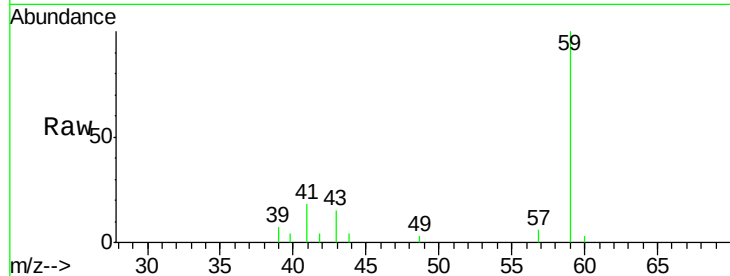


#11

Tert butyl alcohol
 Concen: 103.268 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.03 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

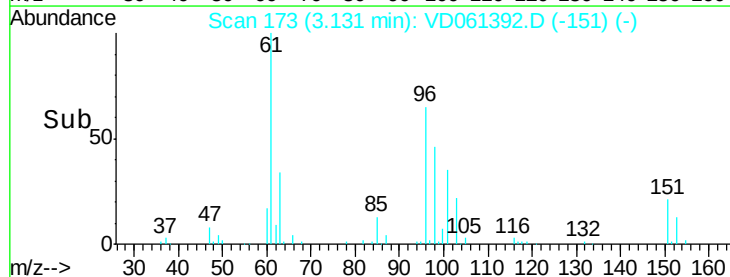
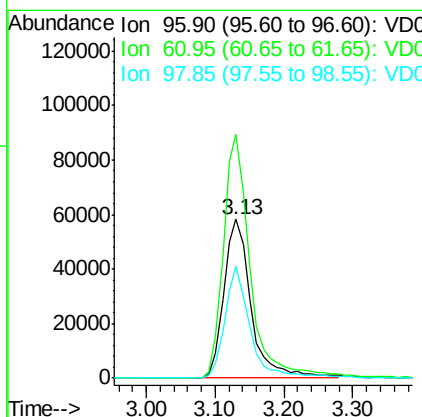
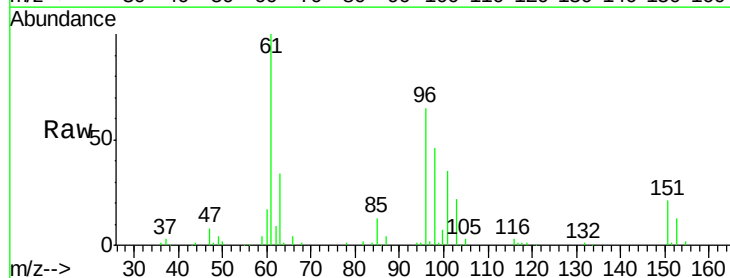
Tot Ion: 59 Resp: 39469
 Ion Ratio Lower Upper
 59 100
 57 6.4 6.7 10.1#

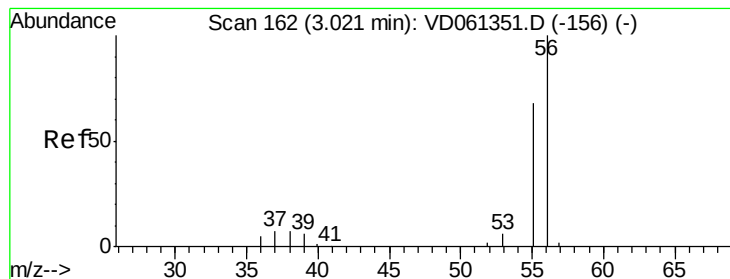


#12

1,1-Dichloroethene
 Concen: 20.711 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 96 Resp: 159706
 Ion Ratio Lower Upper
 96 100
 61 153.6 124.9 187.3
 98 70.5 52.5 78.7





#13

Acrolein

Concen: 115.063 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

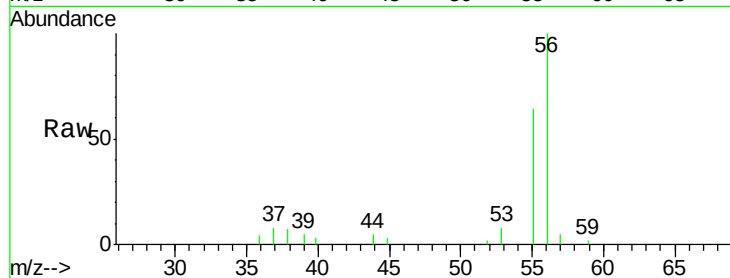
VD0328SBS01

Tot Ion: 56 Resp: 37108

Ion Ratio Lower Upper

56 100

55 64.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

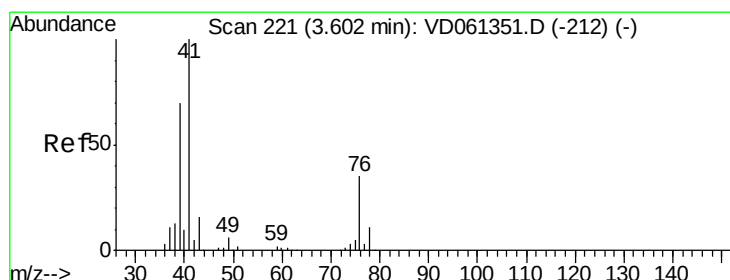
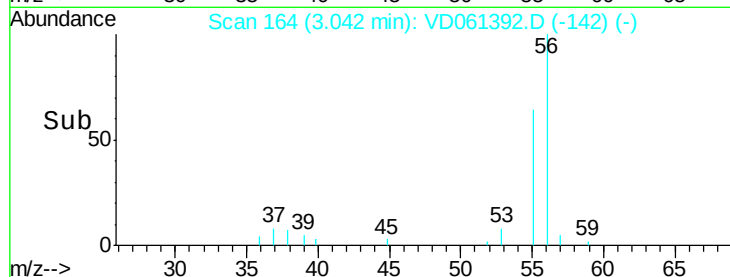
10000

5000

0

Time--> 2.90 3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 22.378 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

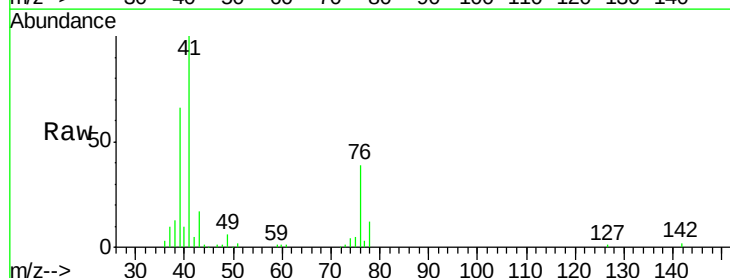
Tgt Ion: 41 Resp: 240683

Ion Ratio Lower Upper

41 100

39 65.7 55.6 83.4

76 39.0 31.0 46.6



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

100000

80000

60000

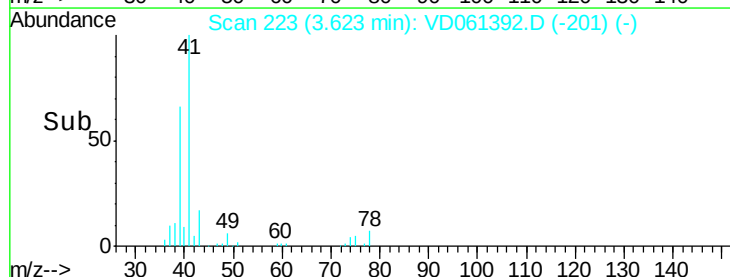
40000

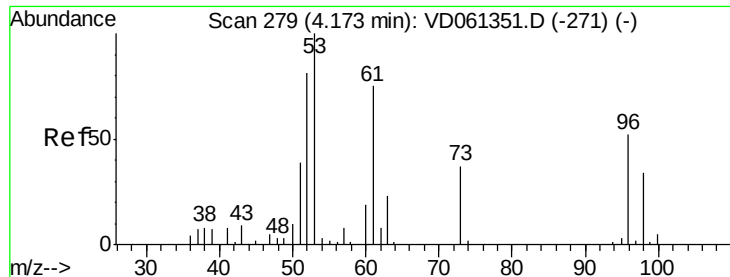
20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 108.378 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

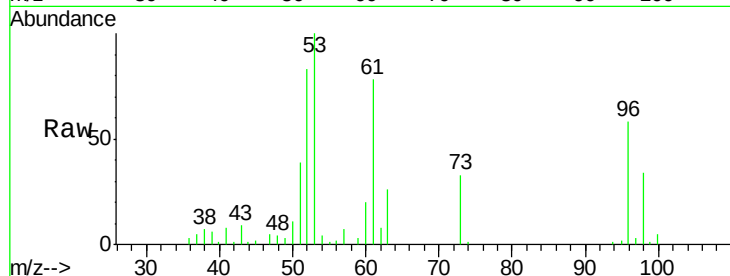
Tot Ion: 53 Resp: 143767

Ion Ratio Lower Upper

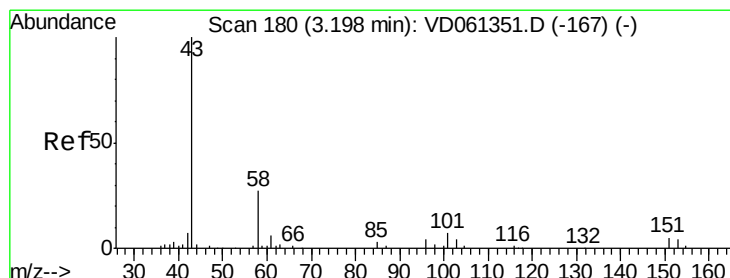
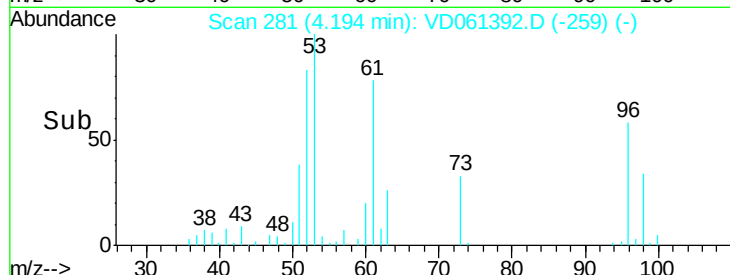
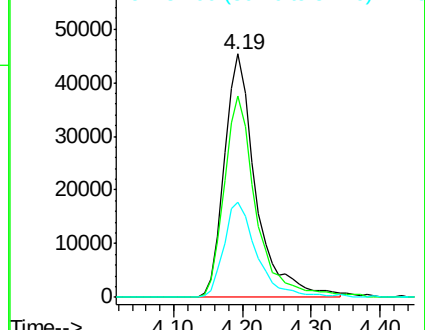
53 100

52 82.7 64.8 97.2

51 39.3 31.4 47.2



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



#16

Acetone

Concen: 93.930 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061392.D

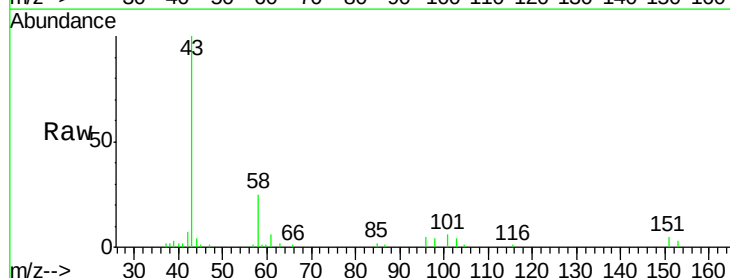
Acq: 28 Mar 2019 15:50

Tgt Ion: 43 Resp: 148188

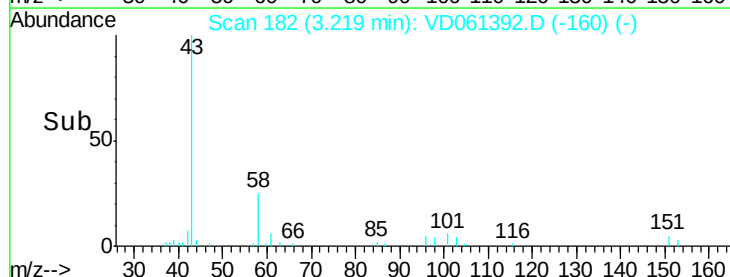
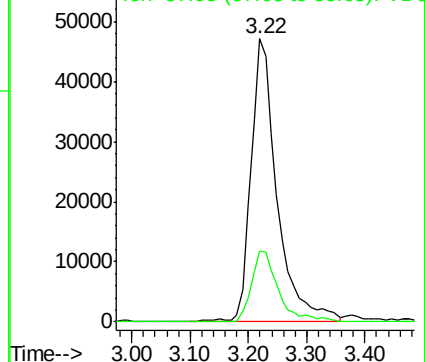
Ion Ratio Lower Upper

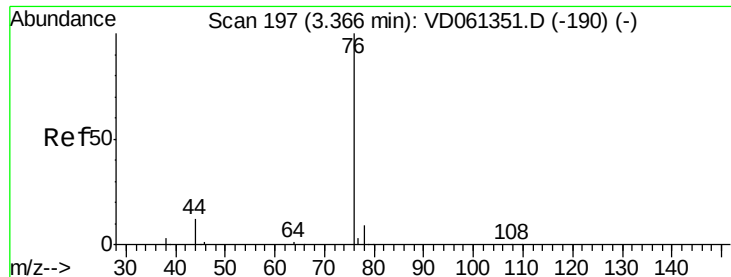
43 100

58 24.9 21.5 32.3



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





#17

Carbon Disulfide

Concen: 19.362 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

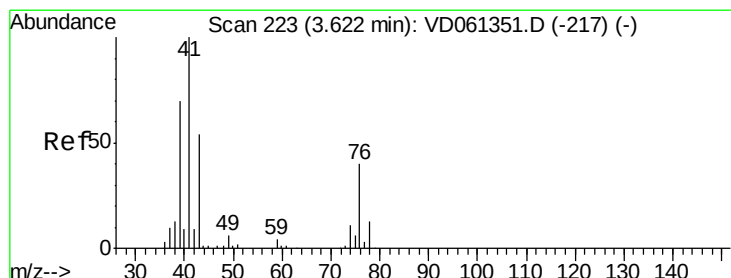
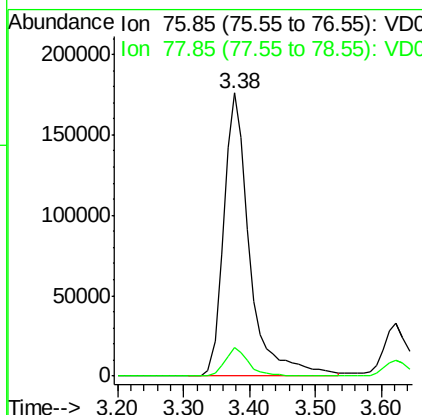
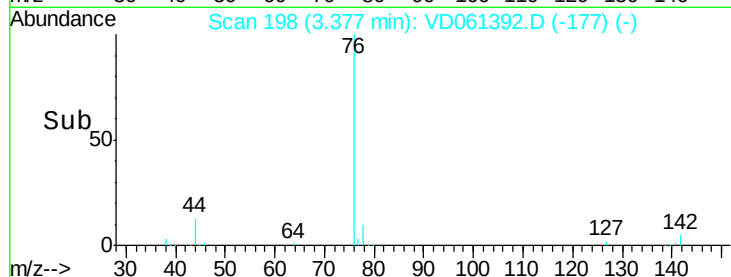
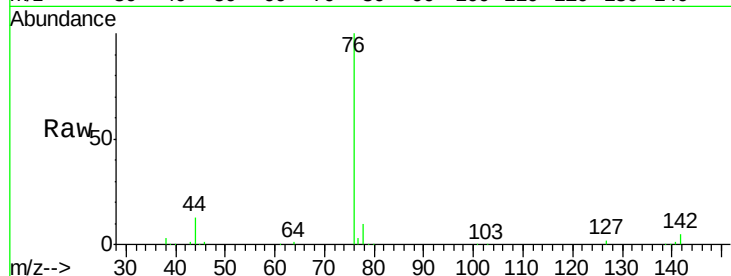
VD0328SBS01

Tot Ion: 76 Resp: 485108

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7



#18

Methyl Acetate

Concen: 22.103 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD061392.D

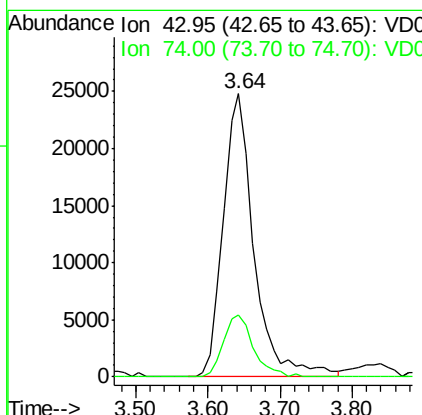
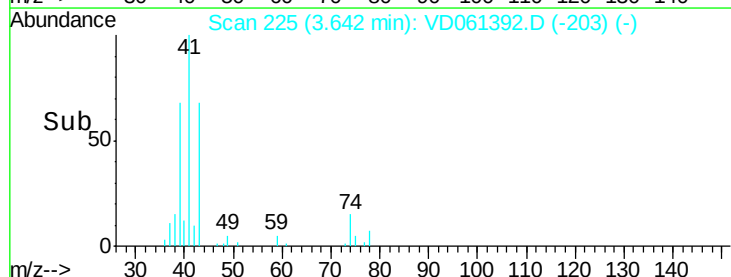
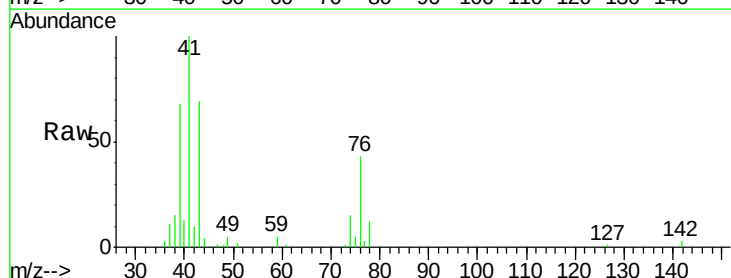
Acq: 28 Mar 2019 15:50

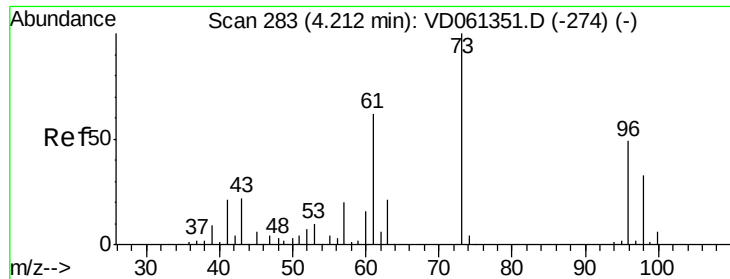
Tgt Ion: 43 Resp: 73317

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1

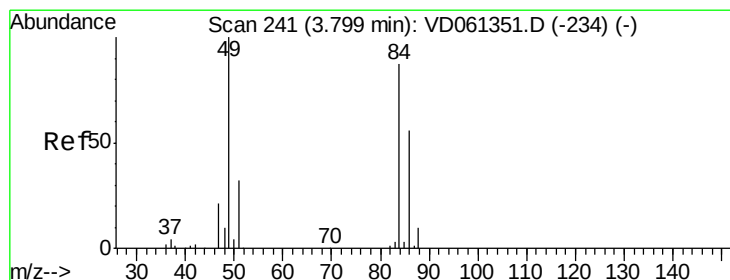
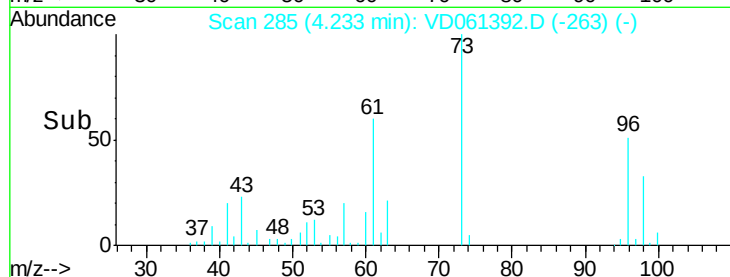
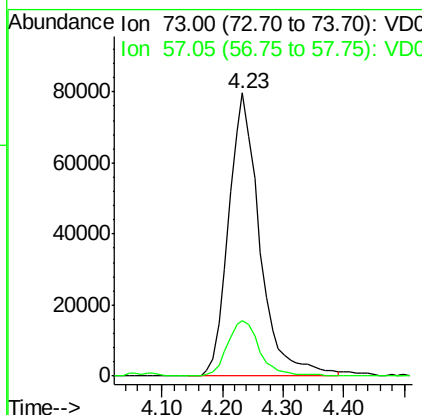
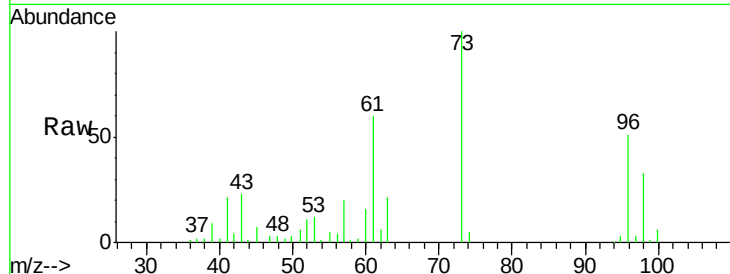




#19
Methyl tert-butyl Ether
Concen: 21.340 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

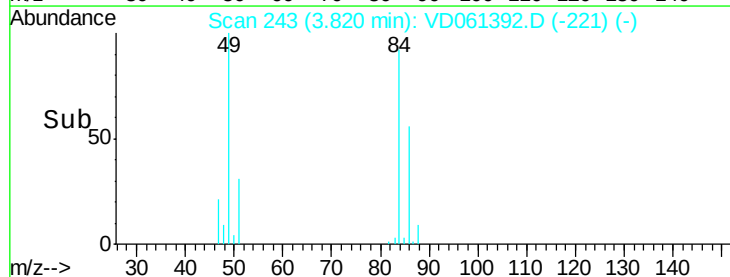
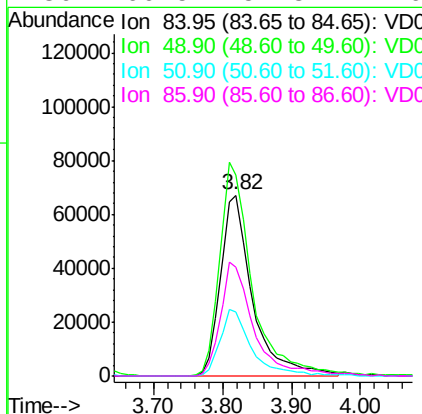
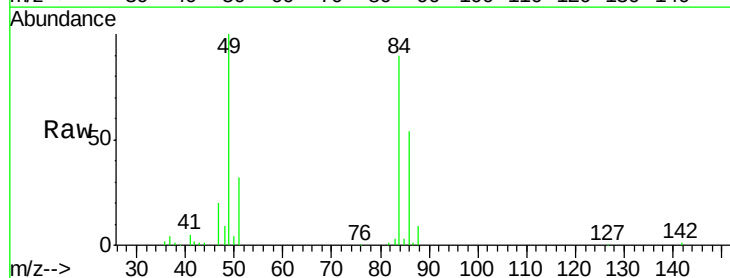
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

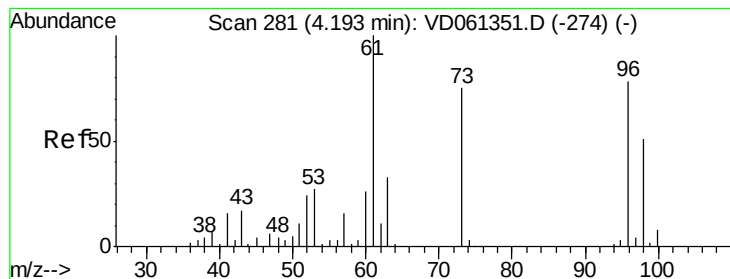
Tot Ion: 73 Resp: 284859
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6



#20
Methylene Chloride
Concen: 23.352 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 84 Resp: 215423
Ion Ratio Lower Upper
84 100
49 111.5 91.8 137.8
51 35.2 29.8 44.8
86 60.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.612 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

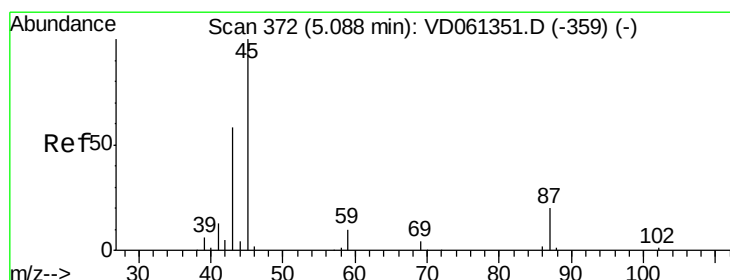
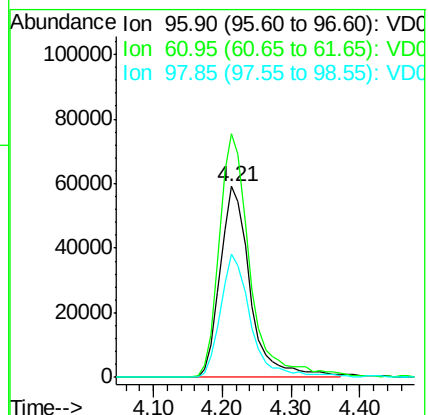
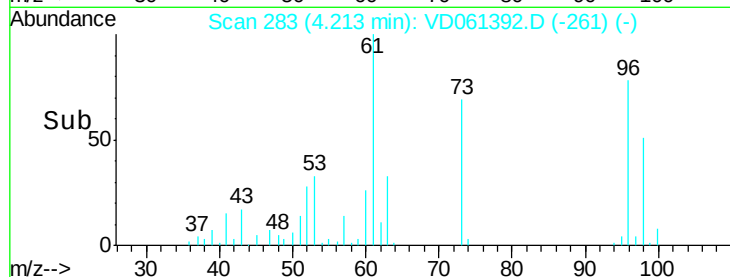
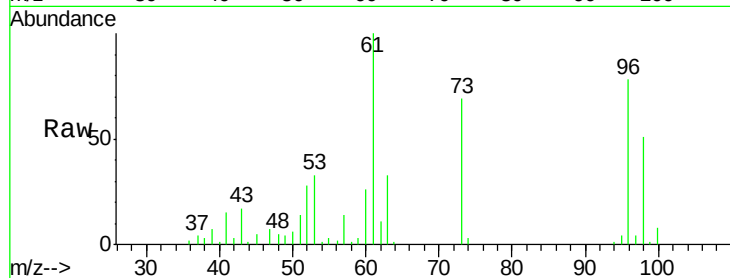
Tot Ion: 96 Resp: 179932

Ion Ratio Lower Upper

96 100

61 127.5 102.7 154.1

98 64.7 52.2 78.4



#22

Diisopropyl ether

Concen: 21.204 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.03 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Tgt Ion: 45 Resp: 482610

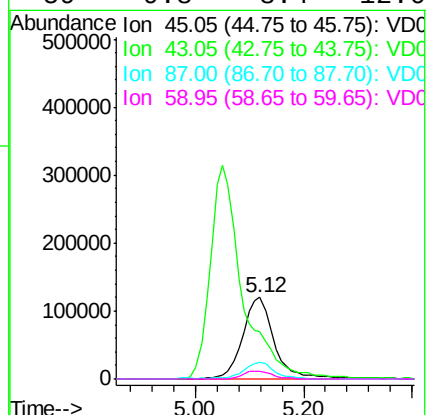
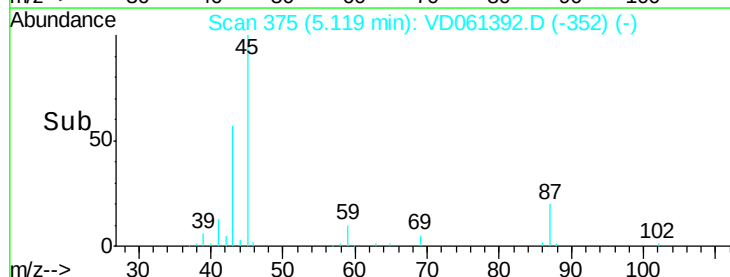
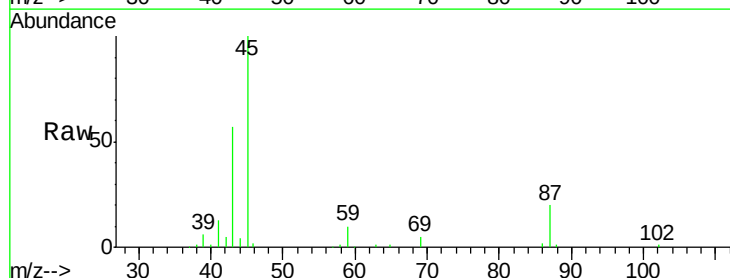
Ion Ratio Lower Upper

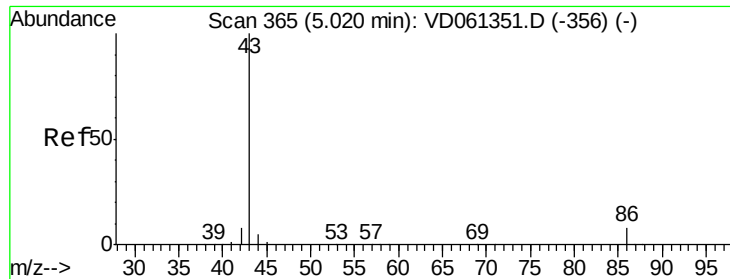
45 100

43 57.3 47.4 71.2

87 19.7 16.3 24.5

59 9.8 8.4 12.6





#23

Vinyl Acetate

Concen: 103.479 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

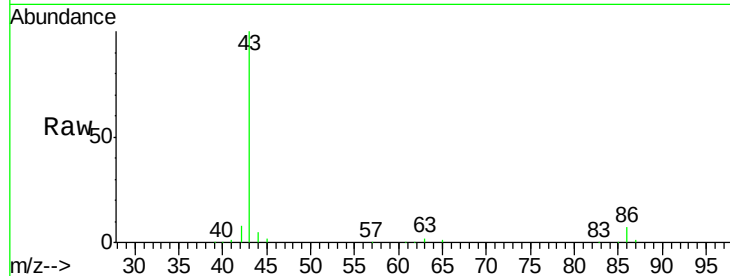
VD0328SBS01

Tot Ion: 43 Resp: 1279338

Ion Ratio Lower Upper

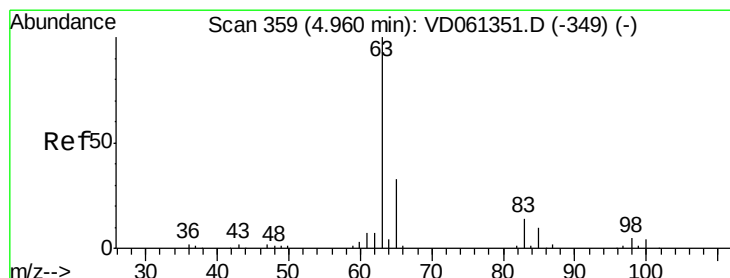
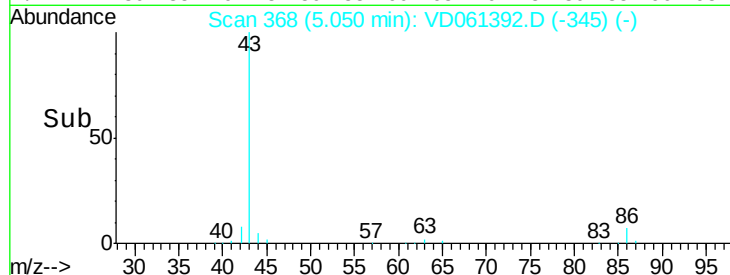
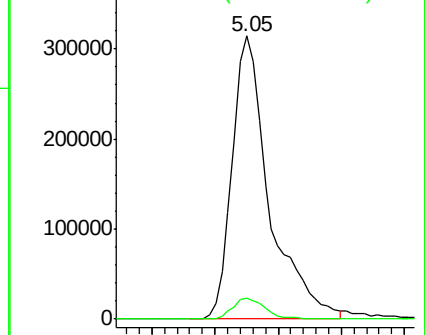
43 100

86 7.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.255 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

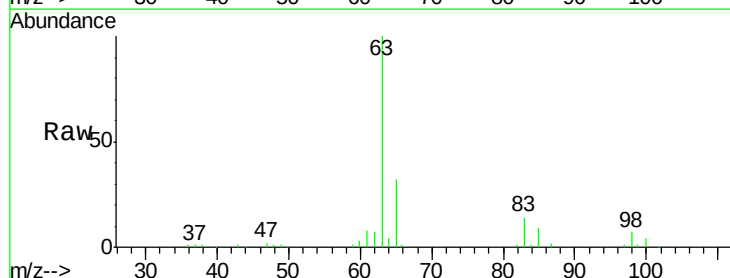
Tgt Ion: 63 Resp: 284312

Ion Ratio Lower Upper

63 100

98 6.6 2.6 8.0

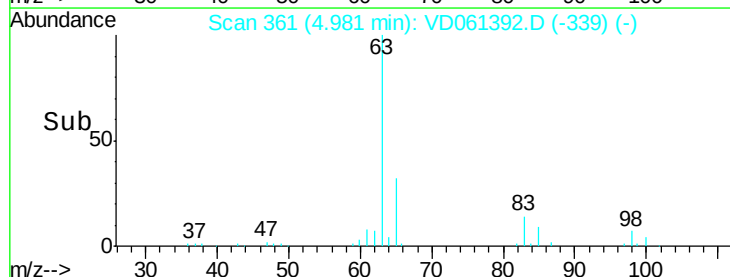
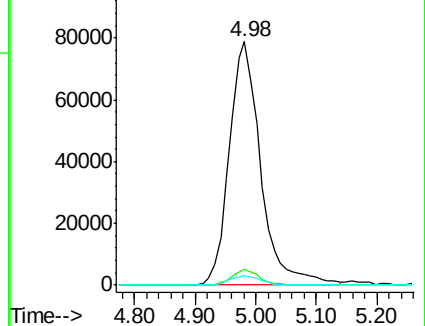
100 3.8 1.8 5.3

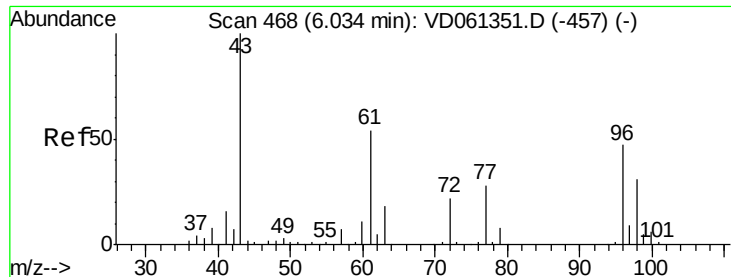


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

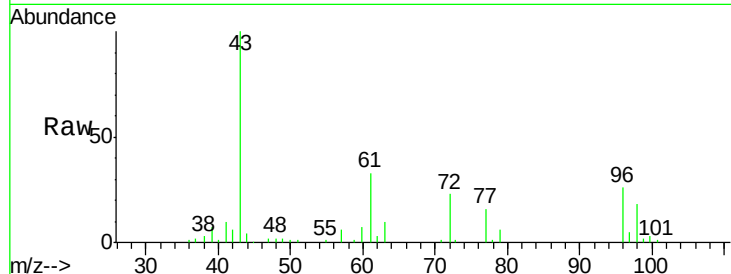




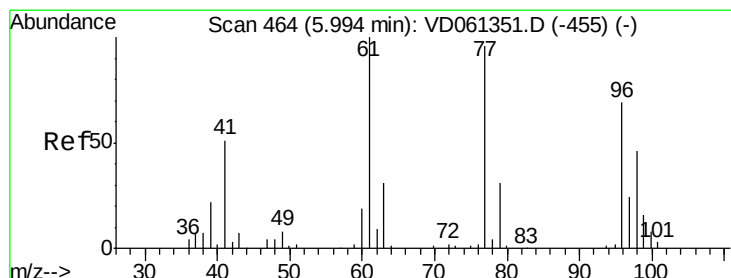
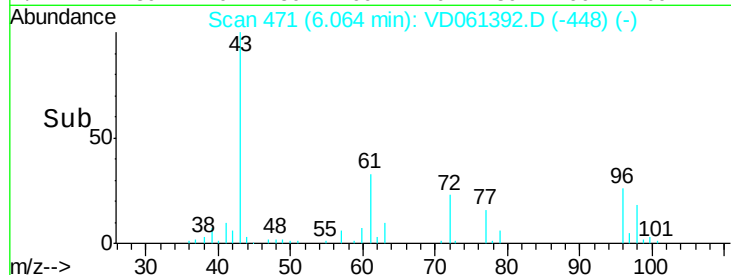
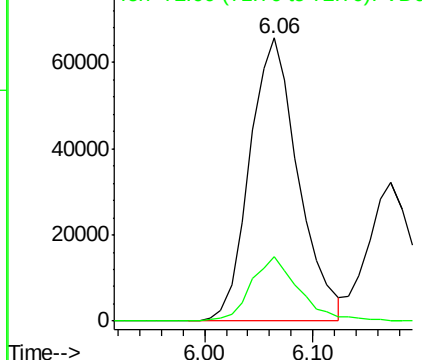
#25
2-Butanone
Concen: 103.635 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion: 43 Resp: 205666
Ion Ratio Lower Upper
43 100
72 23.0 17.2 25.8

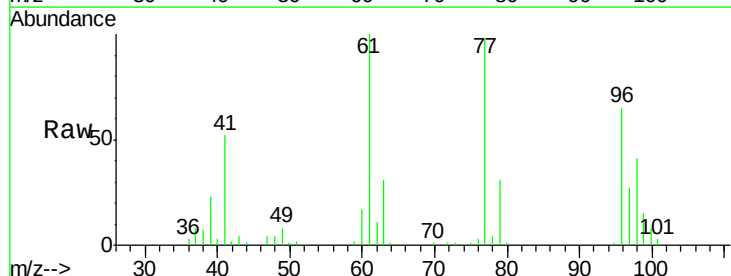


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

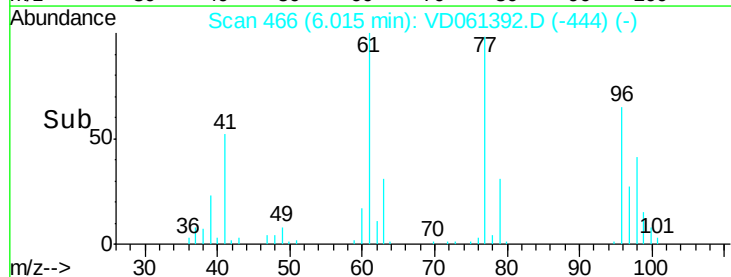
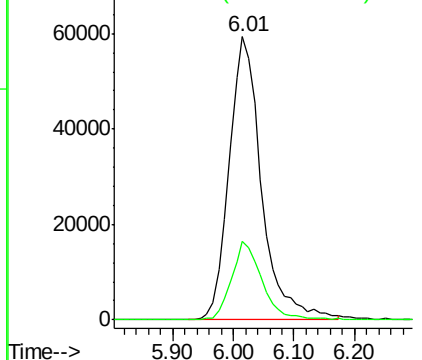


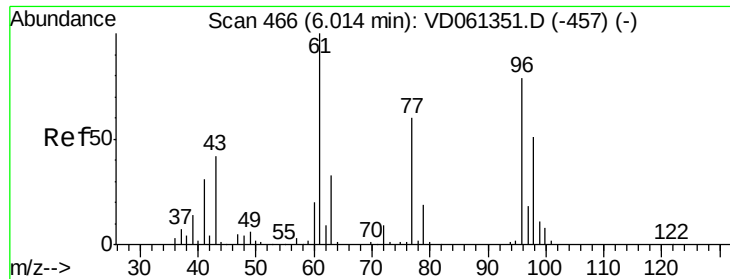
#26
2,2-Dichloropropane
Concen: 20.731 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 77 Resp: 220431
Ion Ratio Lower Upper
77 100
97 27.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



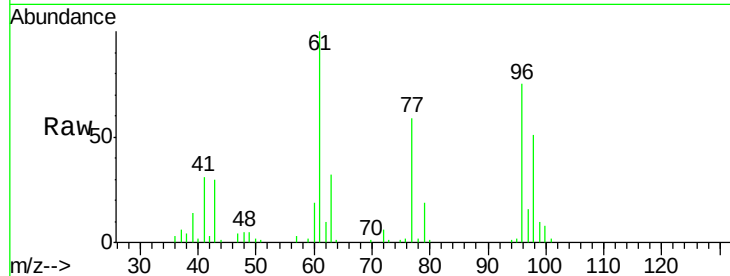


#27

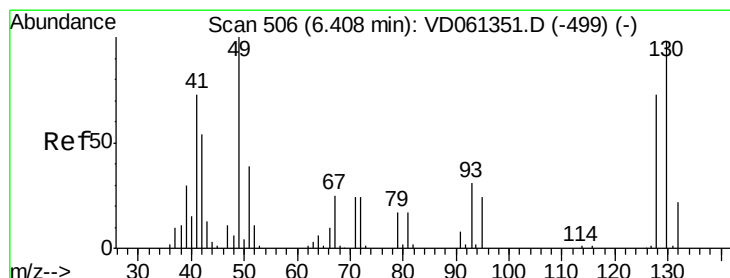
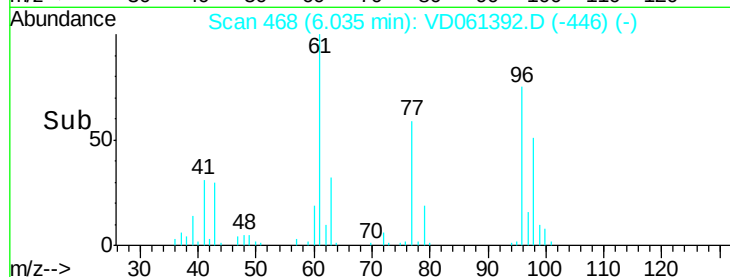
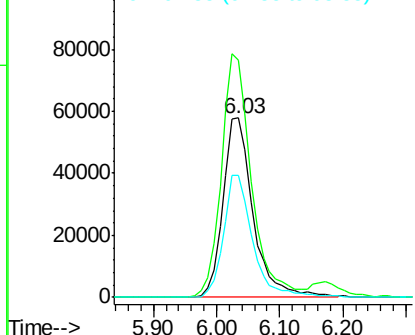
cis-1,2-Dichloroethene
 Concen: 21.001 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

Tot Ion	96	Resp	191566
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	251.6
98	68.2	0.0	129.2



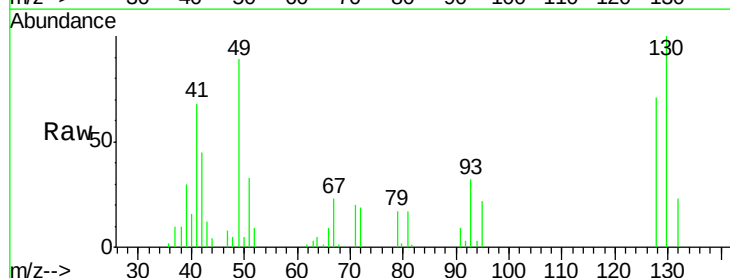
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



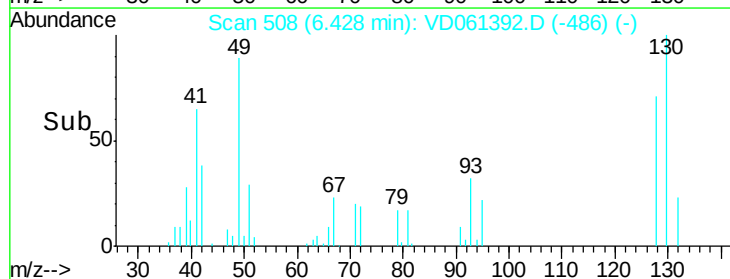
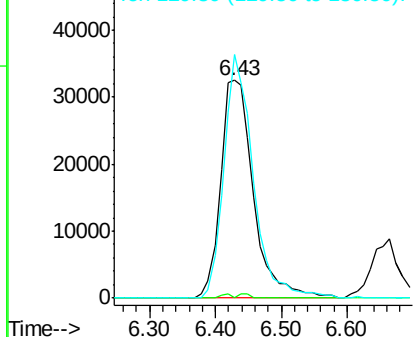
#28

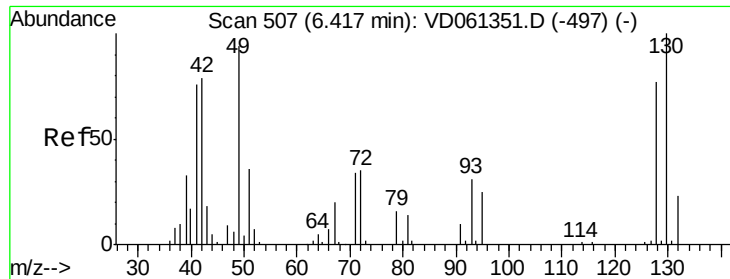
Bromochloromethane
 Concen: 20.905 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion	49	Resp	112874
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	111.9	78.4	117.6



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

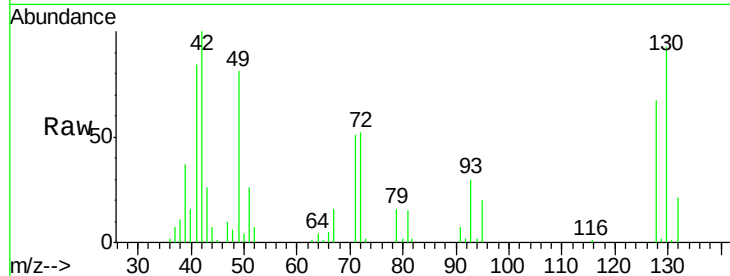




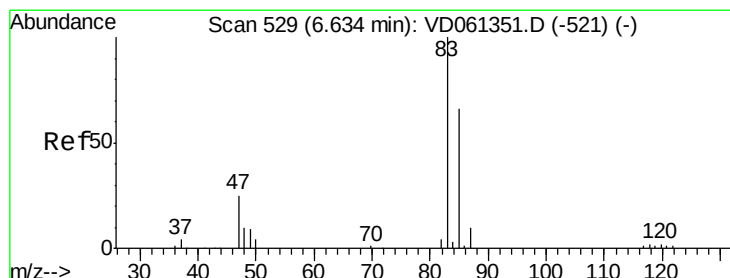
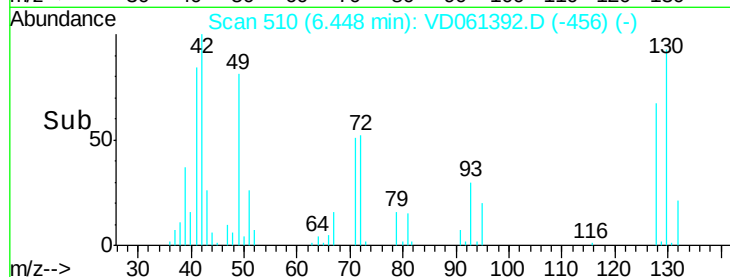
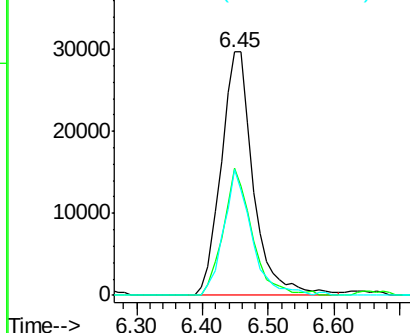
#29
Tetrahydrofuran
Concen: 105.600 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

Tot Ion: 42 Resp: 101576
Ion Ratio Lower Upper
42 100
72 46.6 37.4 56.0
71 44.6 36.7 55.1

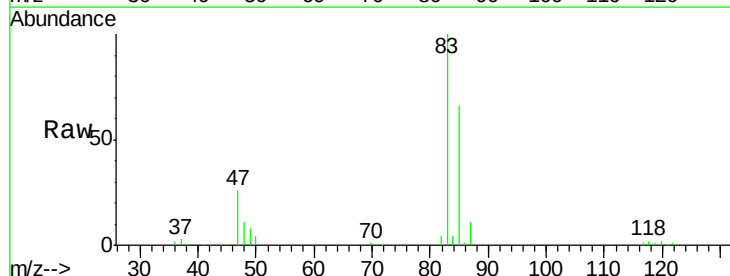


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

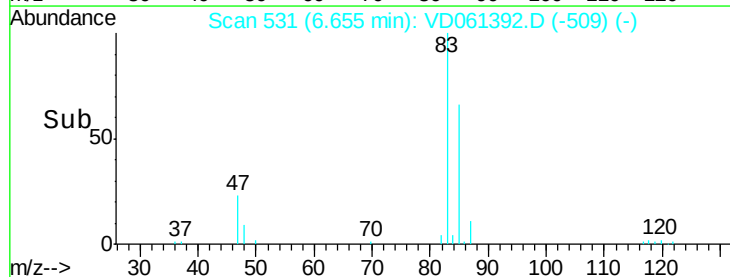
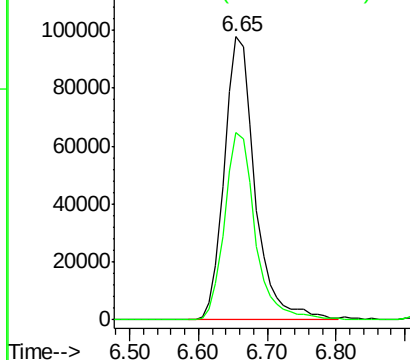


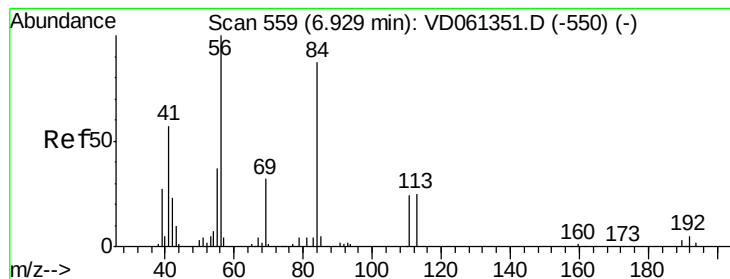
#30
Chloroform
Concen: 21.879 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 83 Resp: 302391
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.4



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





#31

Cyclohexane

Concen: 20.017 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

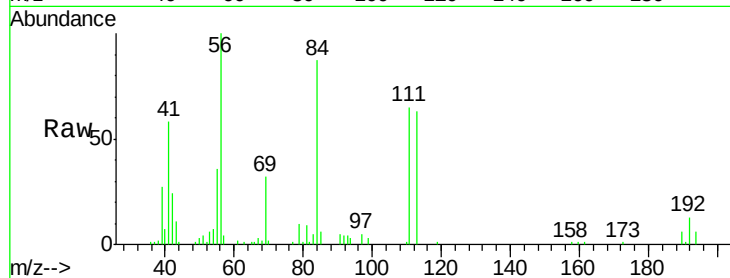
Tot Ion: 56 Resp: 211582

Ion Ratio Lower Upper

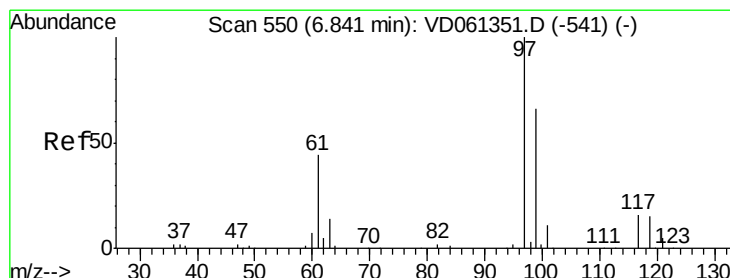
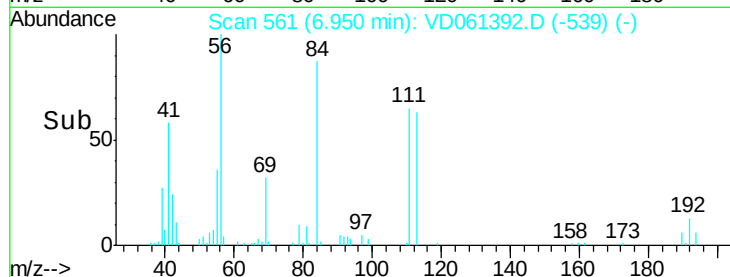
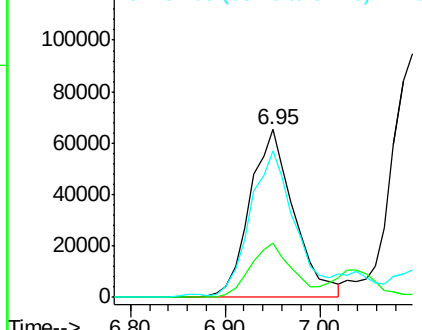
56 100

69 32.4 25.7 38.5

84 87.1 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 19.811 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

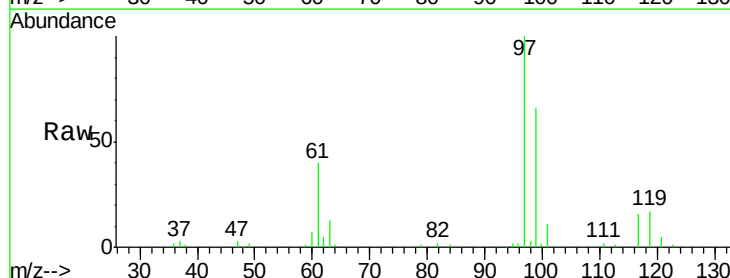
Tgt Ion: 97 Resp: 241559

Ion Ratio Lower Upper

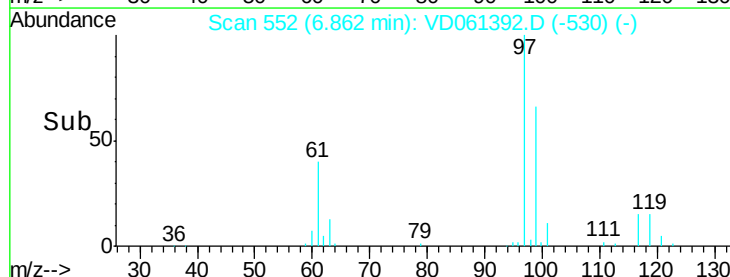
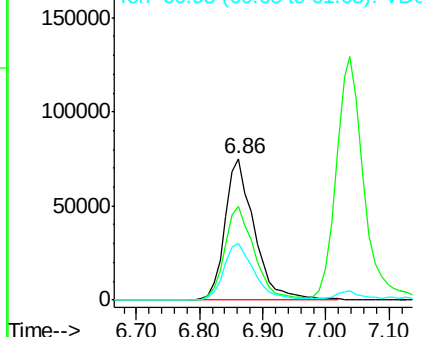
97 100

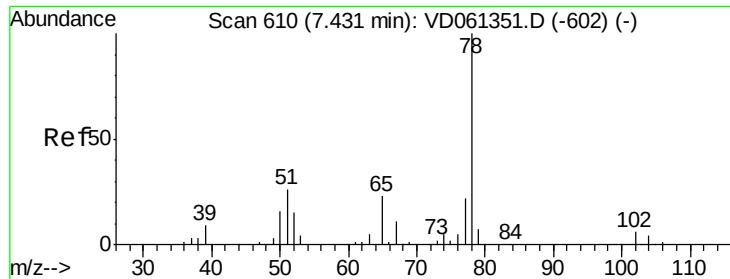
99 66.1 53.1 79.7

61 40.4 35.5 53.3



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

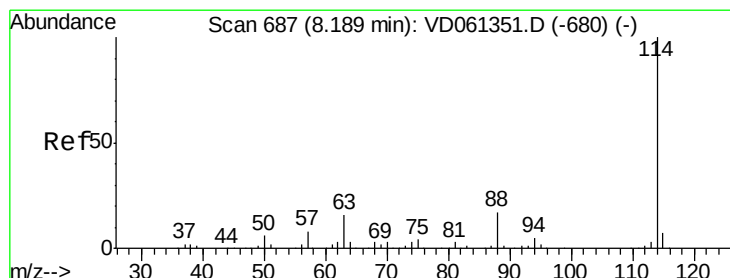
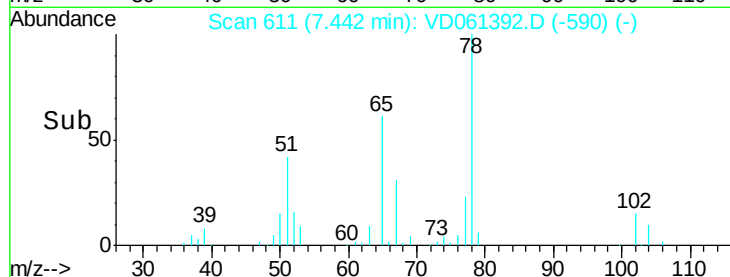
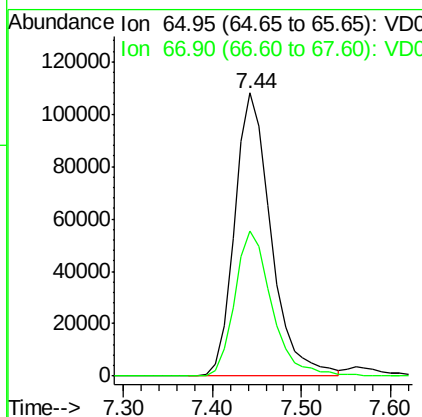
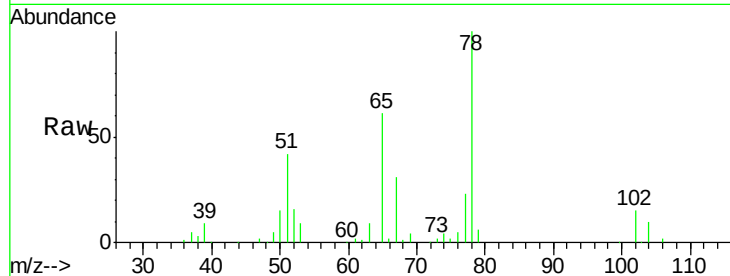




#33
 1,2-Dichloroethane-d4
 Concen: 19.811 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

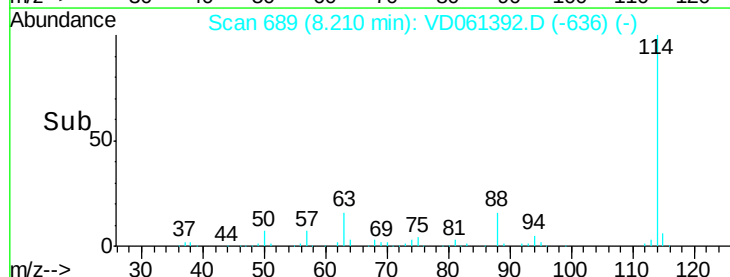
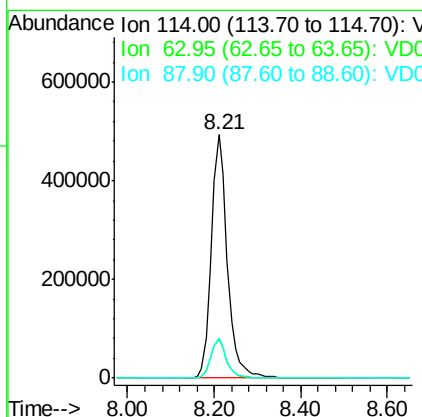
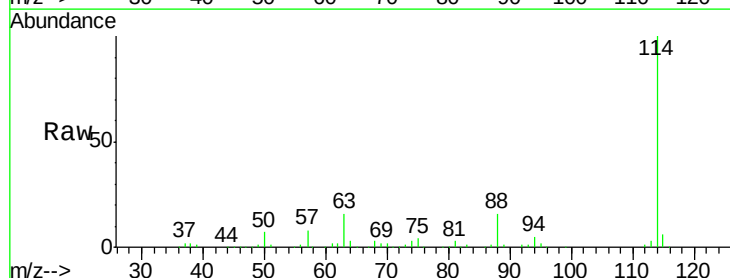
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

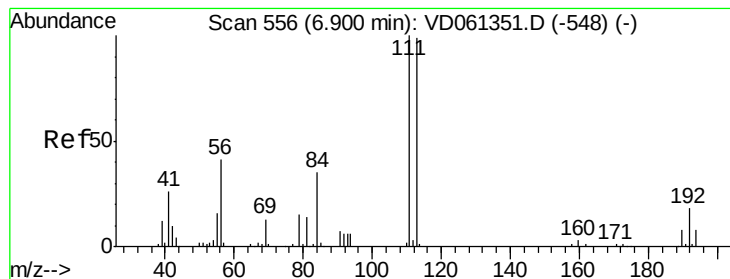
Tot Ion: 65 Resp: 306895
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 114 Resp: 1272687
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

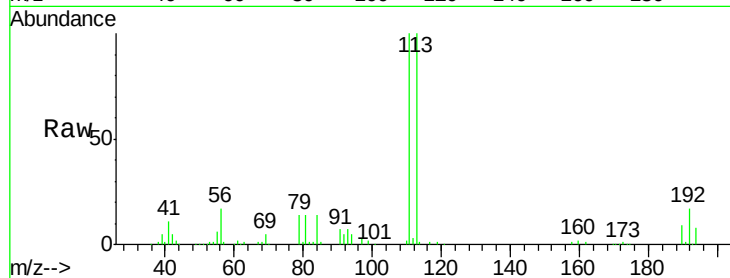
Tot Ion:113 Resp: 482106

Ion Ratio Lower Upper

113 100

111 100.2 81.0 121.6

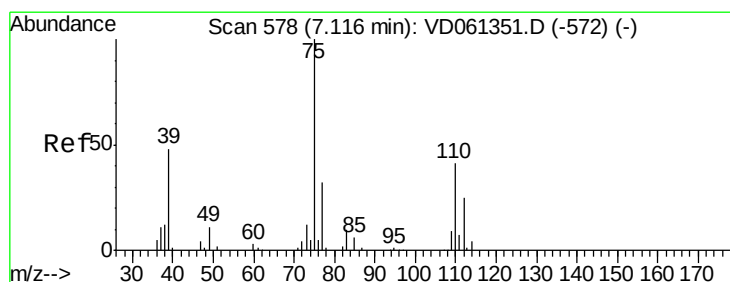
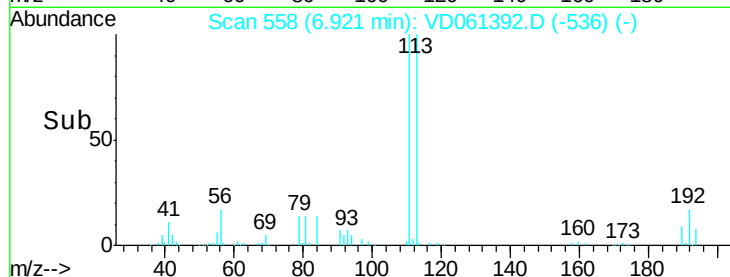
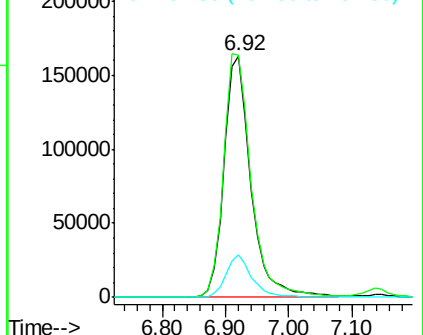
192 17.4 14.4 21.6



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: 19.463 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

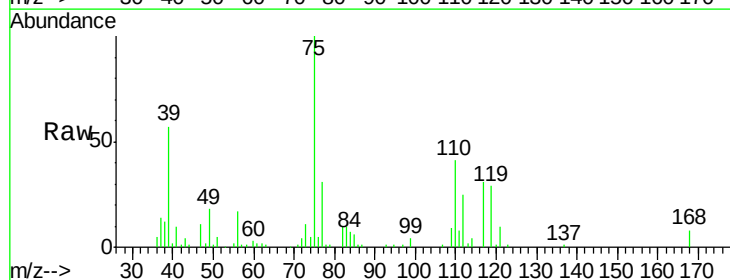
Tgt Ion: 75 Resp: 216187

Ion Ratio Lower Upper

75 100

110 41.2 20.4 61.3

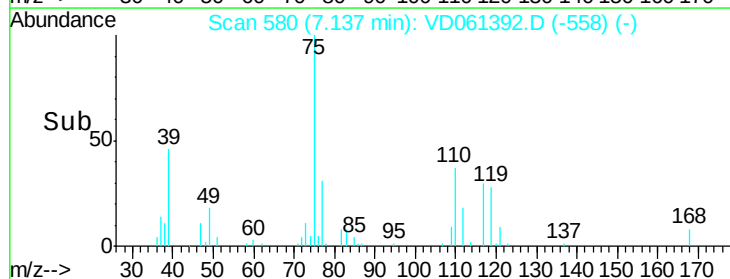
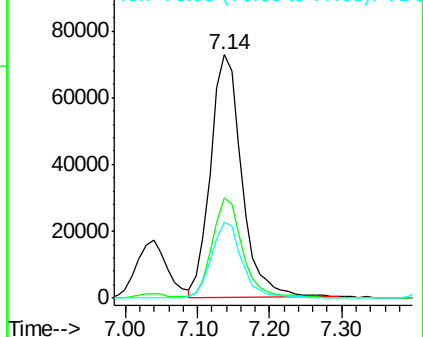
77 31.1 24.9 37.3

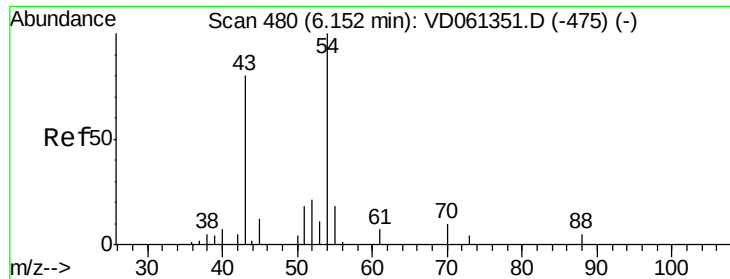


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

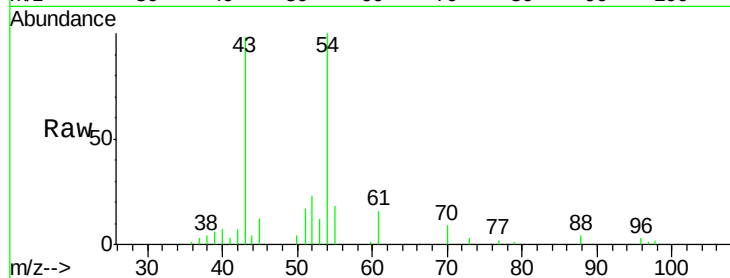




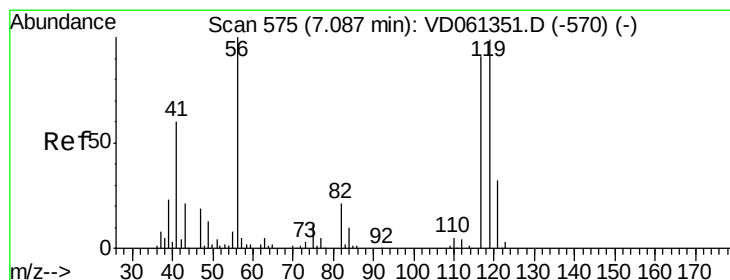
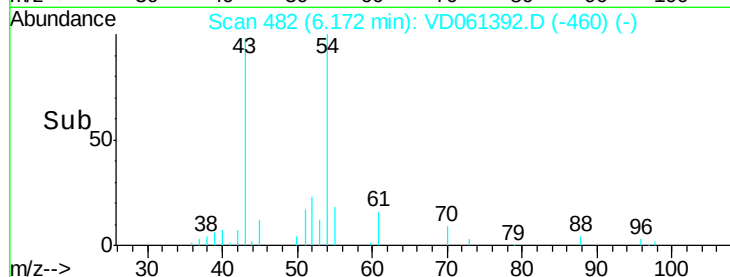
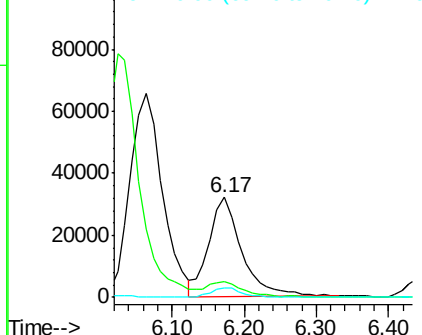
#37
Ethyl Acetate
Concen: 21.542 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

Tot Ion: 43 Resp: 102337
Ion Ratio Lower Upper
43 100
61 16.2 13.8 20.8
70 9.7 7.8 11.8

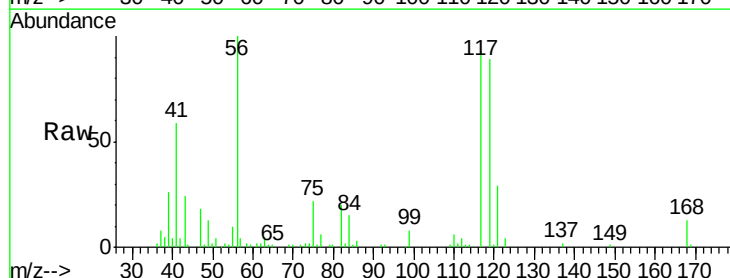


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

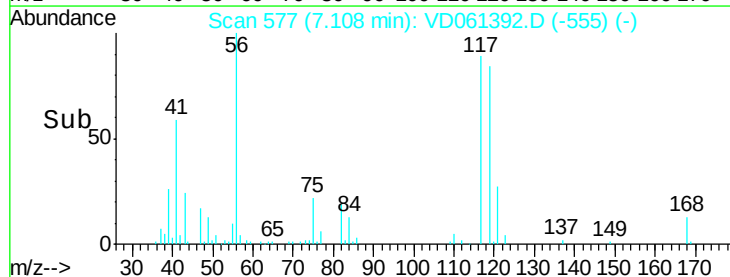
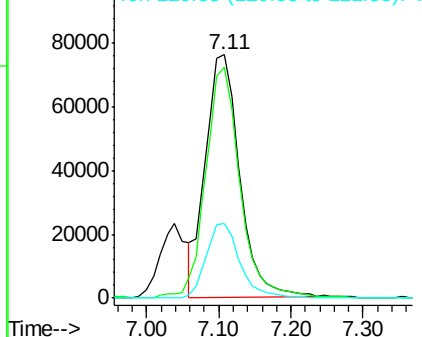


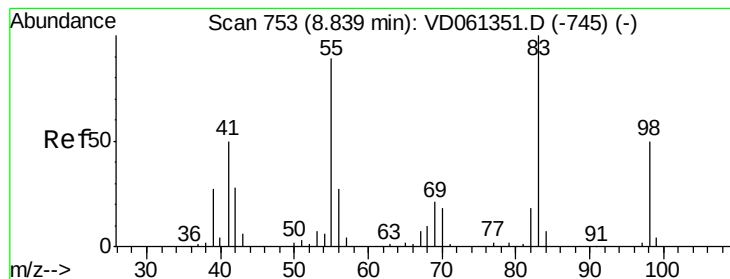
#38
Carbon Tetrachloride
Concen: 19.548 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 117 Resp: 249512
Ion Ratio Lower Upper
117 100
119 94.8 80.1 120.1
121 30.7 25.6 38.4



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

Methylvlcyclohexane

Concen: 20.323 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

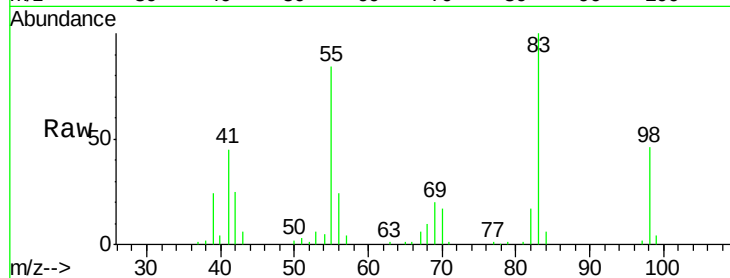
Tot Ion: 83 Resp: 235105

Ion Ratio Lower Upper

83 100

55 84.2 71.5 107.3

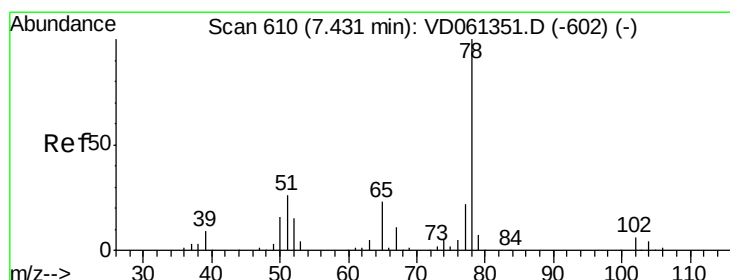
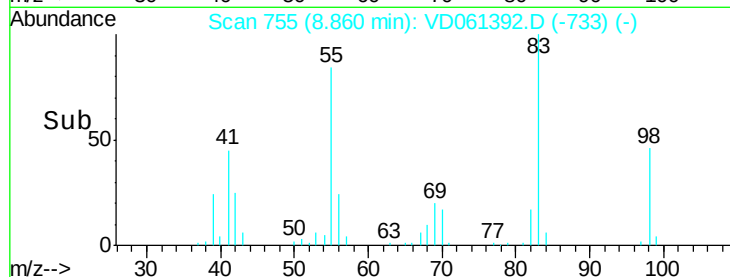
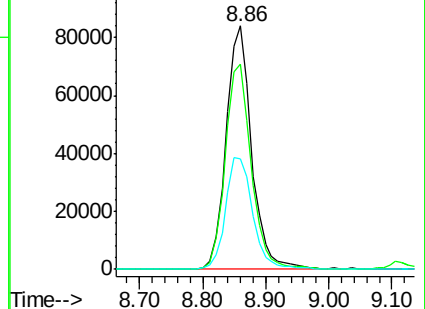
98 45.6 40.3 60.5



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: 19.046 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061392.D

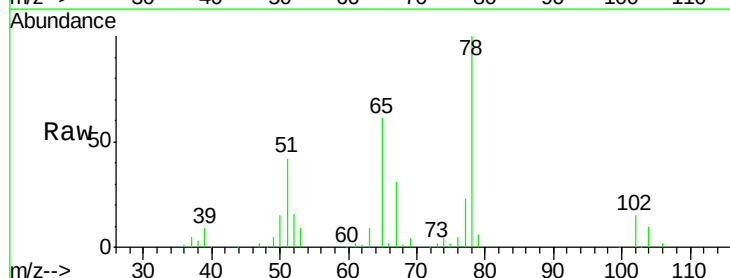
Acq: 28 Mar 2019 15:50

Tgt Ion: 78 Resp: 530958

Ion Ratio Lower Upper

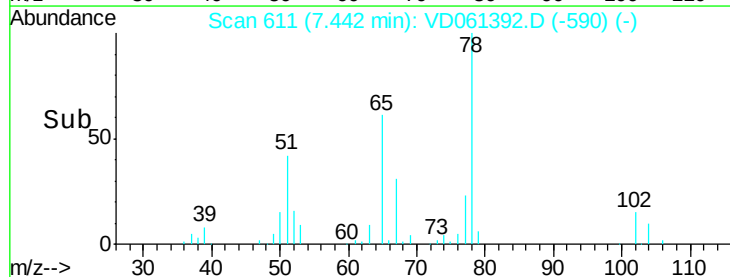
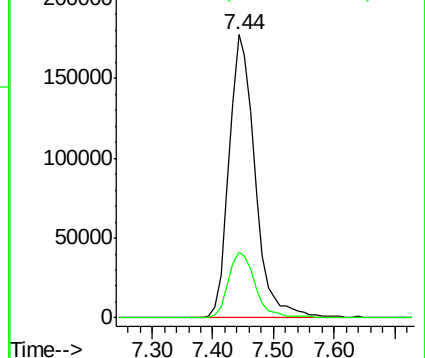
78 100

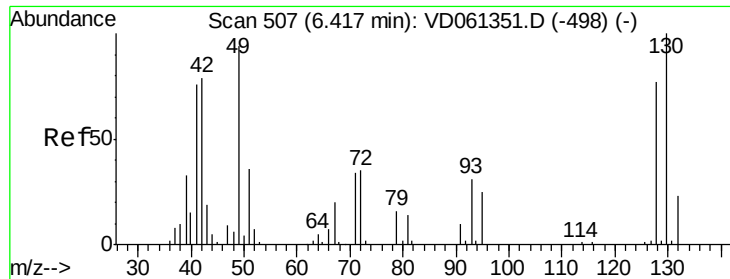
77 23.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

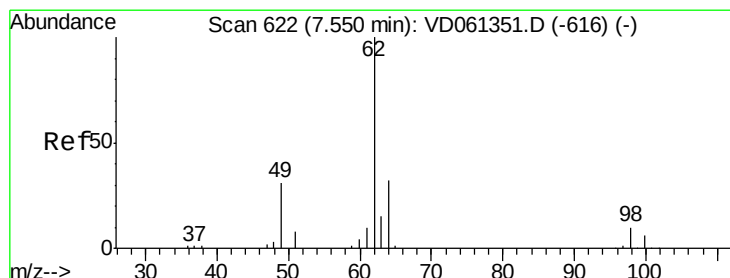
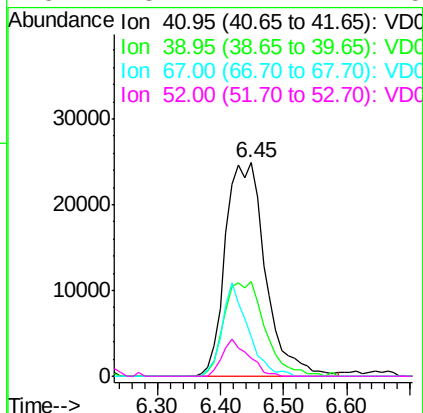
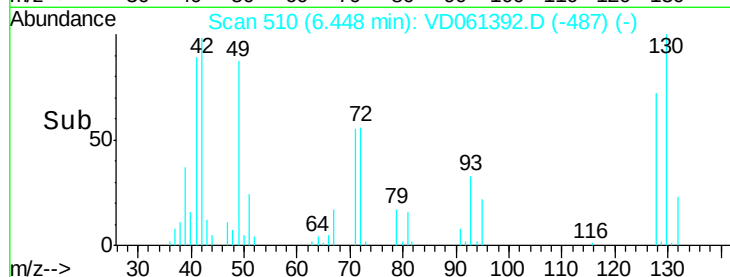
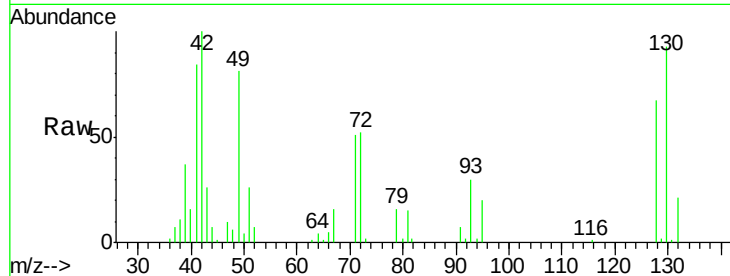




#41
Methacrylonitrile
Concen: 19.756 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

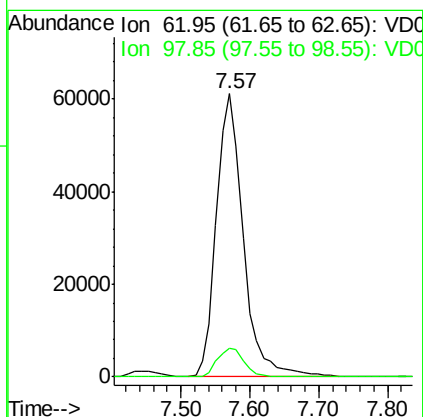
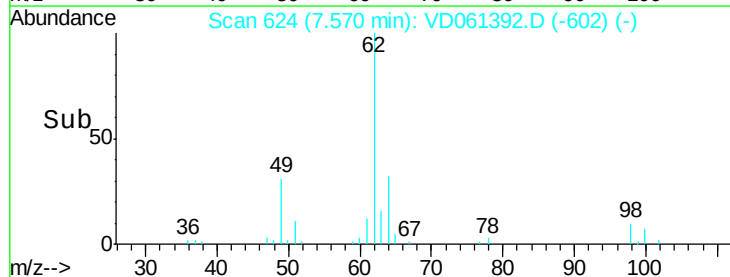
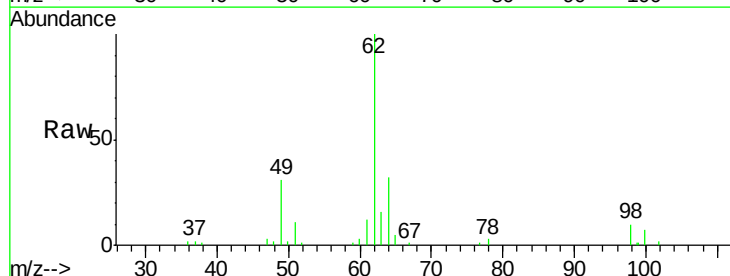
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

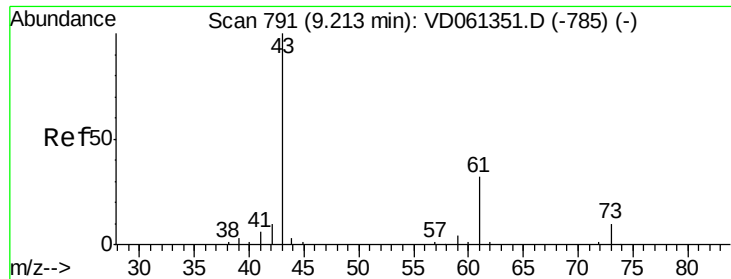
Tot Ion: 41 Resp: 109732
Ion Ratio Lower Upper
41 100
39 44.2 35.0 52.6
67 18.8 21.0 31.6#
52 8.2 7.7 11.5



#42
1,2-Dichloroethane
Concen: 19.931 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion: 62 Resp: 166199
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.8

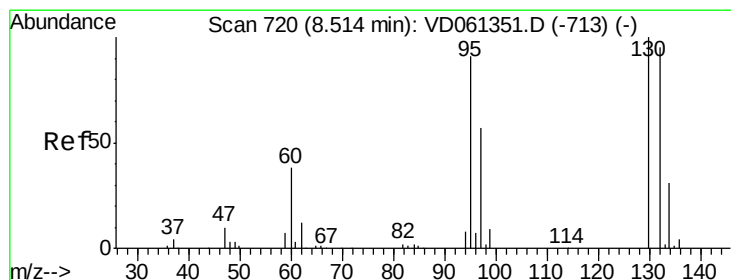
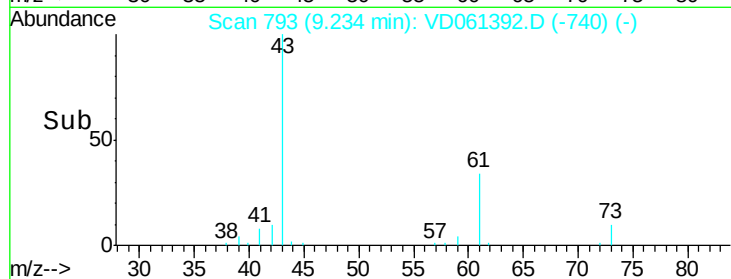
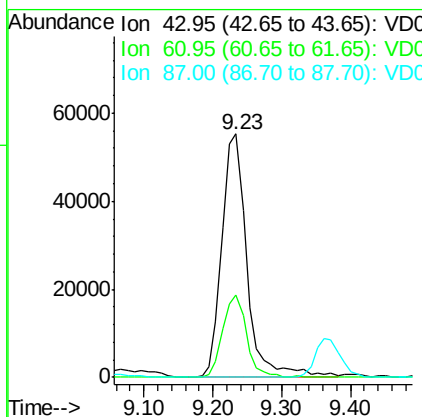
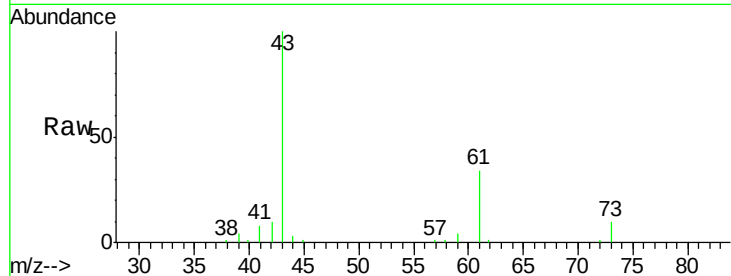




#43
Isopropyl Acetate
Concen: 20.303 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

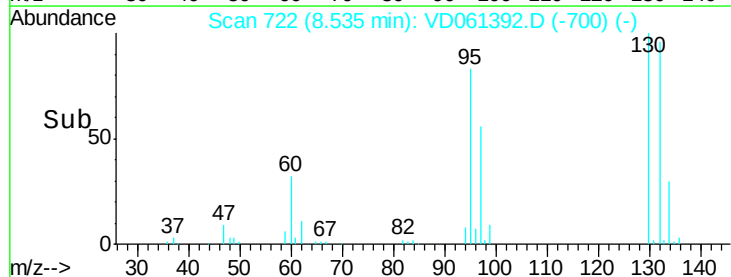
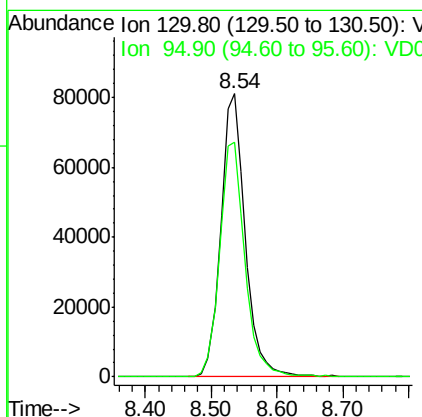
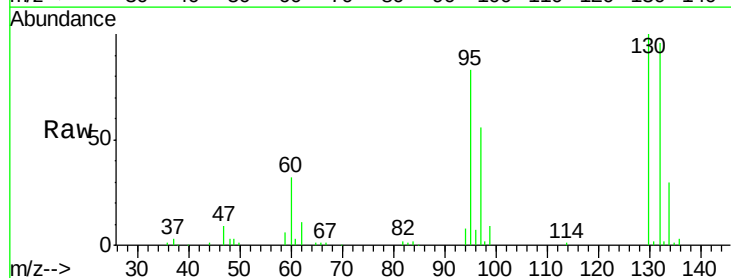
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

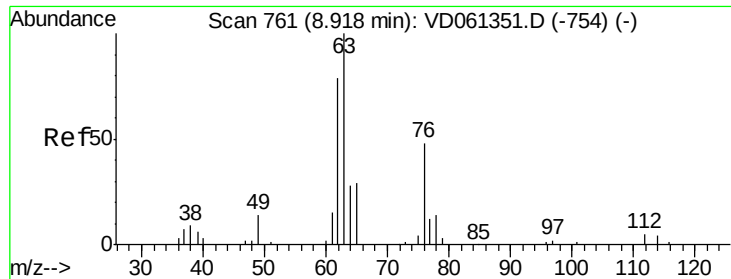
Tot Ion: 43 Resp: 140335
Ion Ratio Lower Upper
43 100
61 34.0 25.8 38.6
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 20.258 ug/l
RT: 8.54 min Scan# 722
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion:130 Resp: 210166
Ion Ratio Lower Upper
130 100
95 82.9 0.0 181.4





#45

1,2-Dichloropropane

Concen: 19.884 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

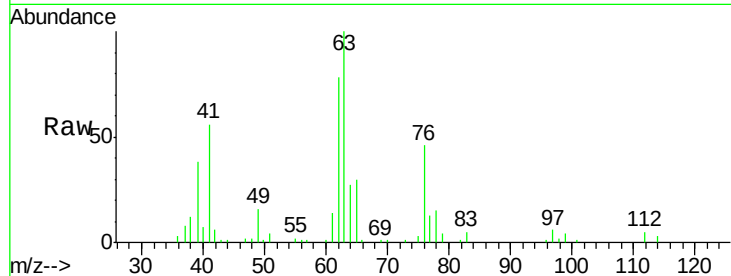
VD0328SBSD01

Tot Ion: 63 Resp: 140557

Ion Ratio Lower Upper

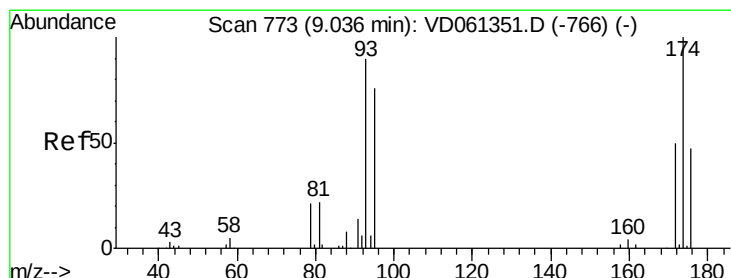
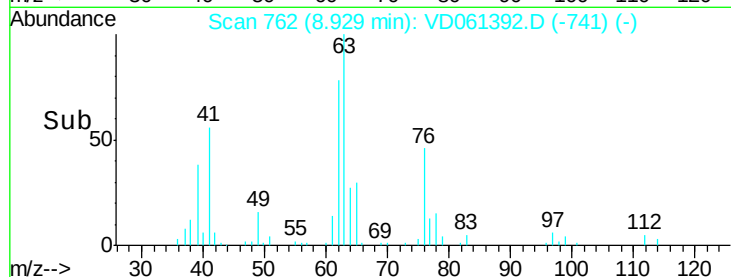
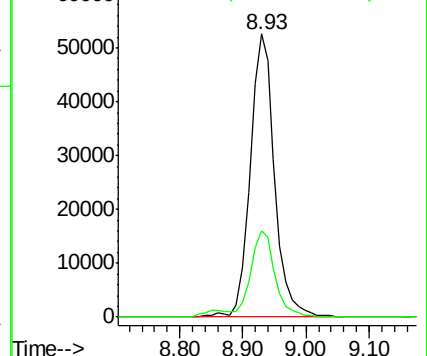
63 100

65 30.4 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.018 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

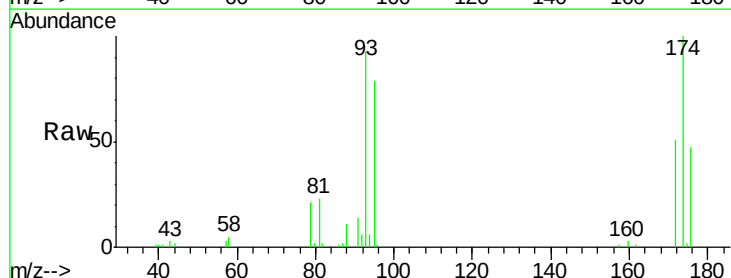
Tgt Ion: 93 Resp: 95241

Ion Ratio Lower Upper

93 100

95 85.5 67.4 101.0

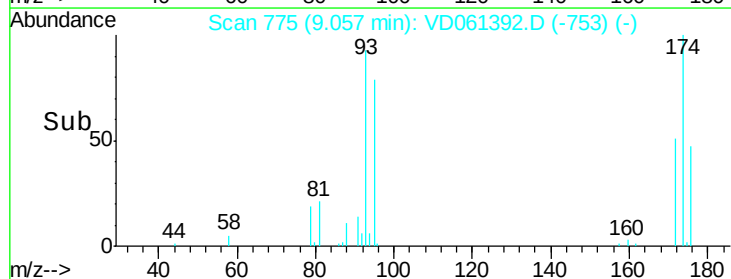
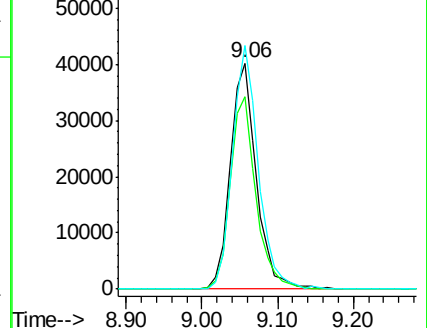
174 107.8 88.9 133.3

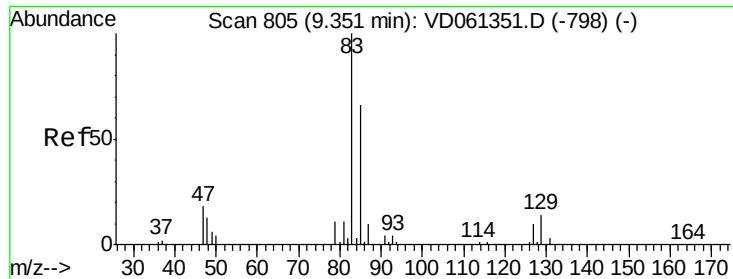


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.162 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

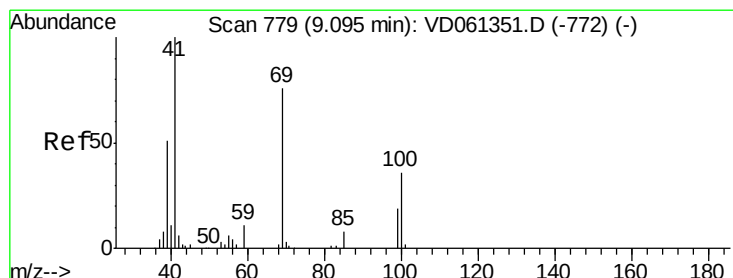
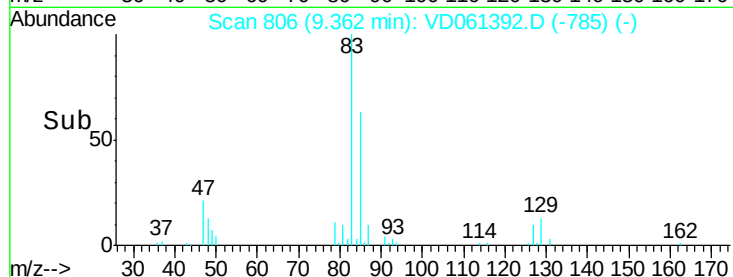
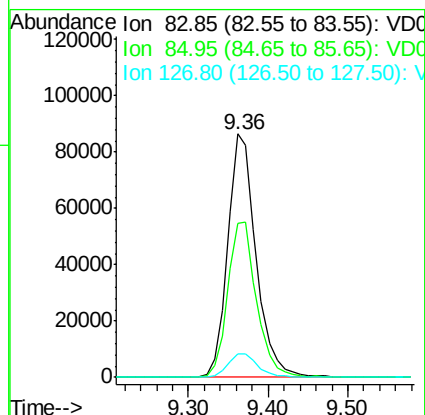
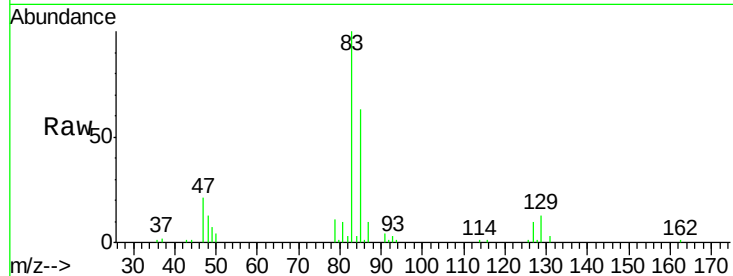
Tot Ion: 83 Resp: 215301

Ion Ratio Lower Upper

83 100

85 63.4 53.0 79.4

127 9.7 8.4 12.6



#48

Methyl methacrylate

Concen: 20.227 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.02 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

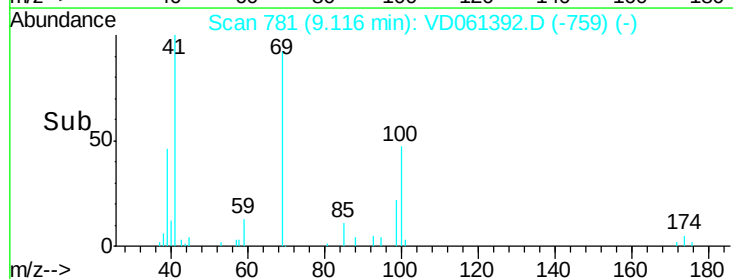
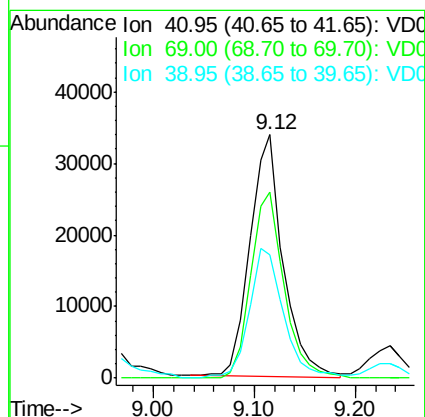
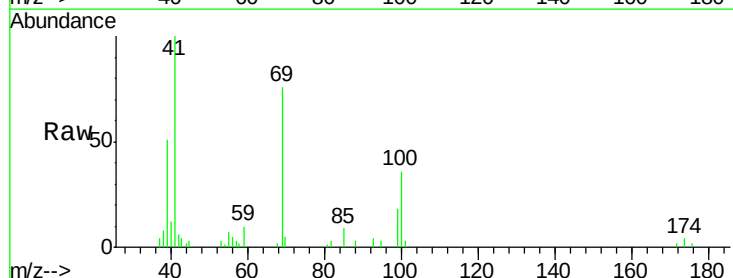
Tgt Ion: 41 Resp: 77158

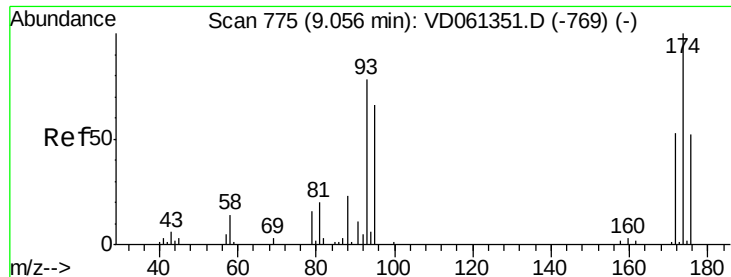
Ion Ratio Lower Upper

41 100

69 76.2 60.2 90.4

39 50.8 41.4 62.2





#49

1,4-Dioxane

Concen: 408.894 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

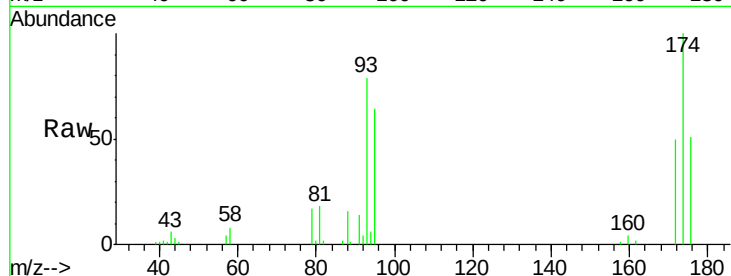
Tot Ion: 88 Resp: 17204

Ion Ratio Lower Upper

88 100

43 36.2 23.3 34.9#

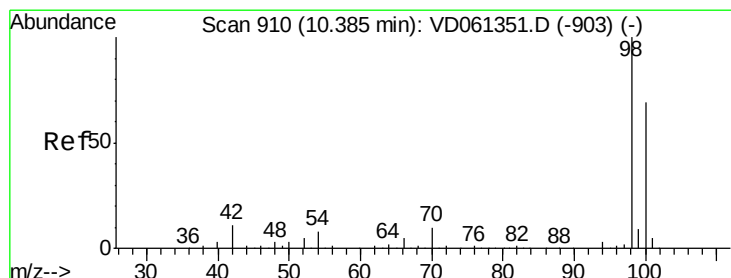
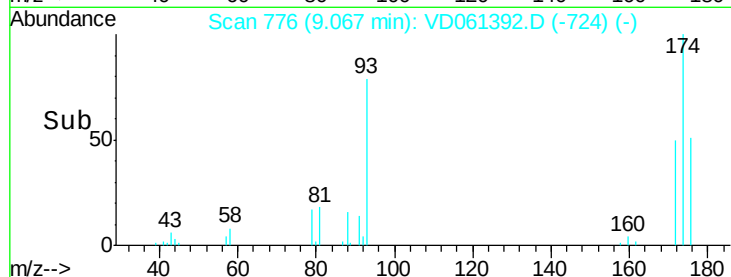
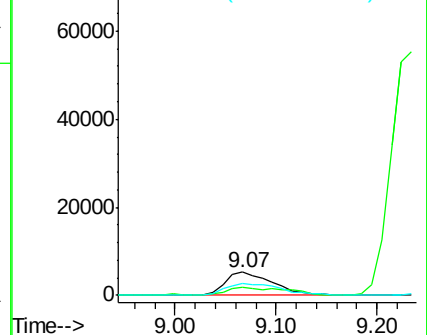
58 50.2 50.8 76.2#



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: 408.894 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD061392.D

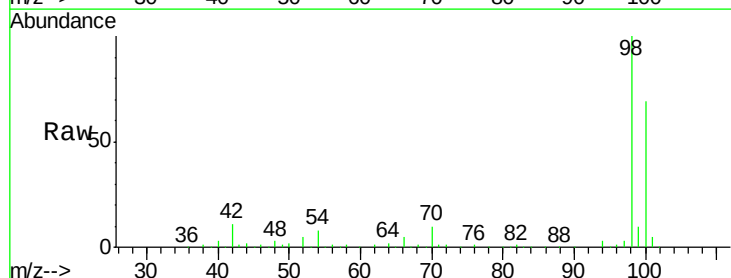
Acq: 28 Mar 2019 15:50

Tgt Ion: 98 Resp: 1171540

Ion Ratio Lower Upper

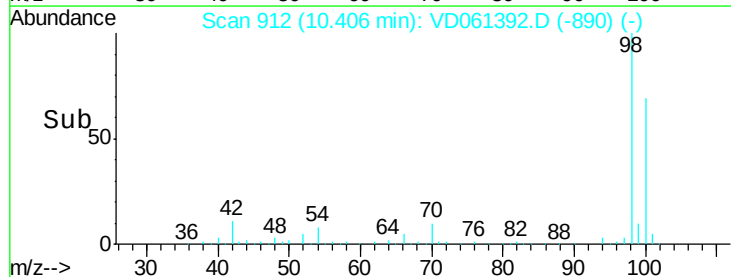
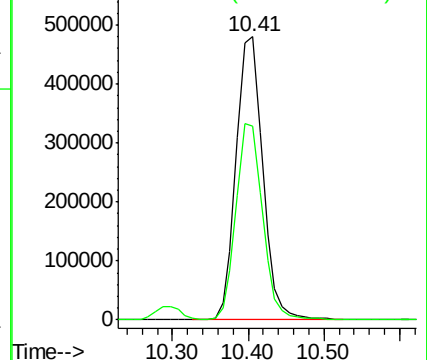
98 100

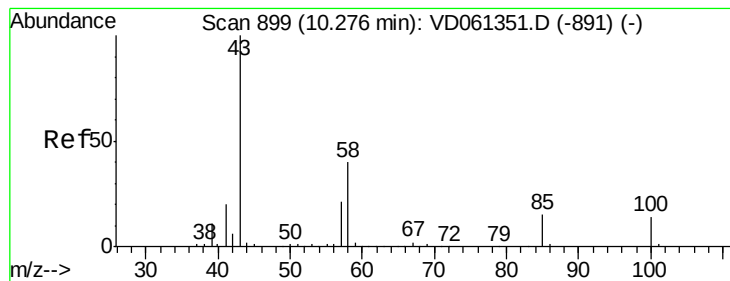
100 68.5 56.2 84.2



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: 103.726 ug/l

RT: 10.29 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

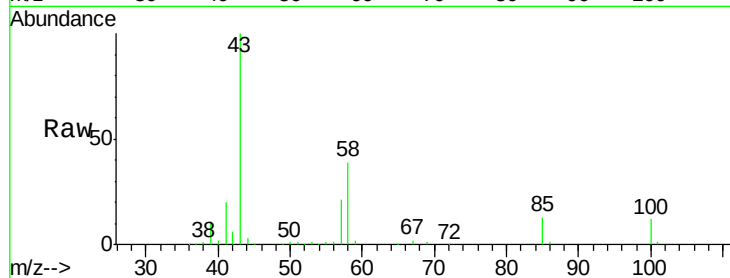
VD0328SBS01

Tot Ion: 43 Resp: 436183

Ion Ratio Lower Upper

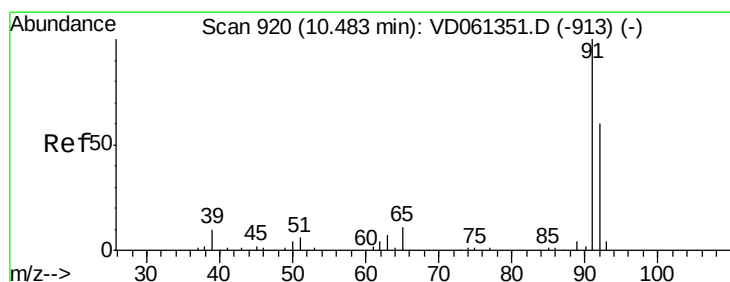
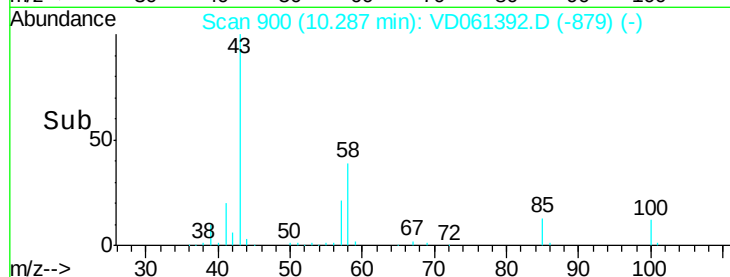
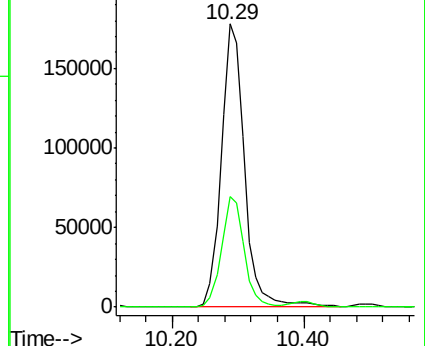
43 100

58 39.0 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.587 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061392.D

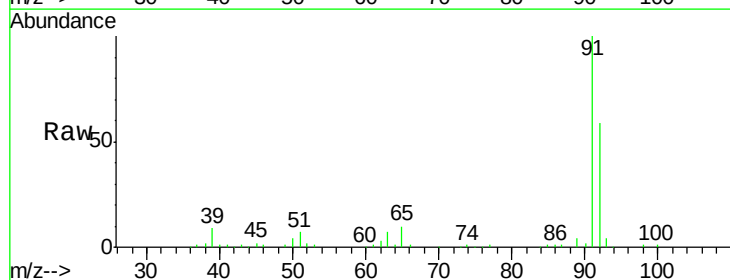
Acq: 28 Mar 2019 15:50

Tgt Ion: 92 Resp: 333122

Ion Ratio Lower Upper

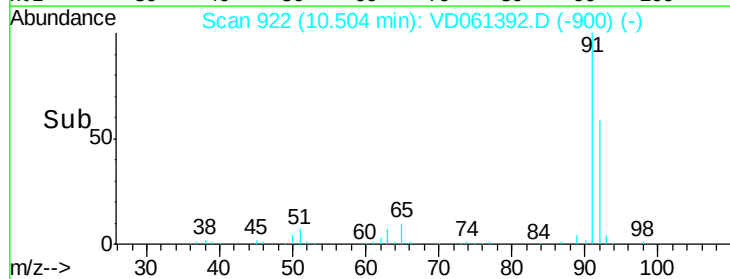
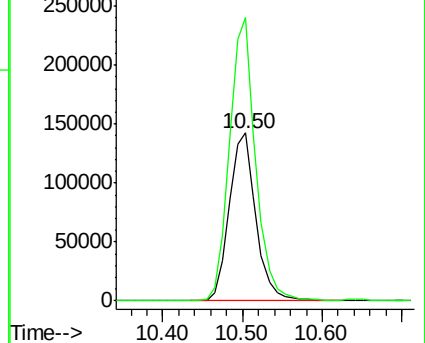
92 100

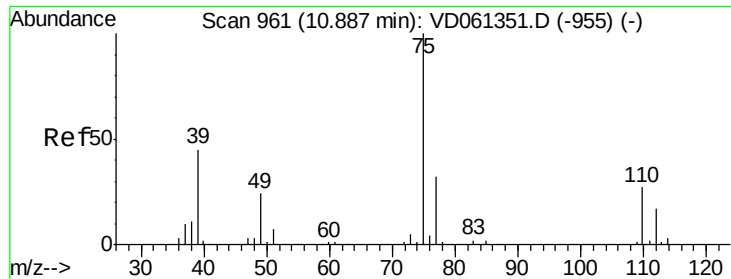
91 168.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

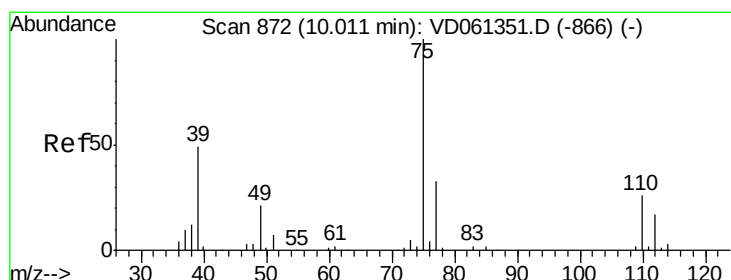
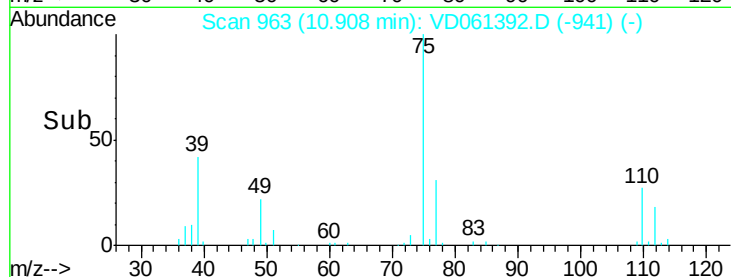
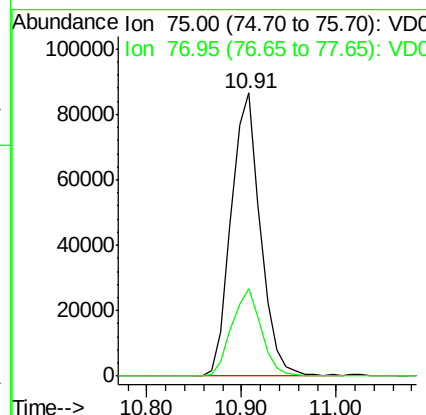
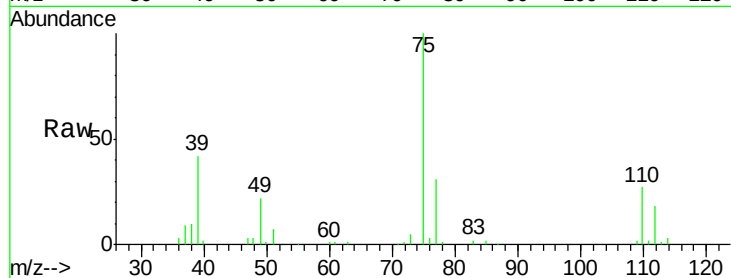




#53
 t-1,3-Dichloropropene
 Concen: 19.126 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

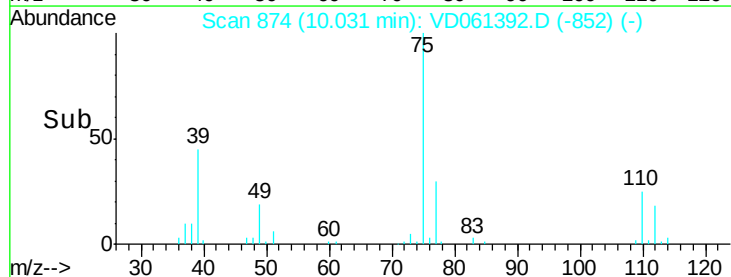
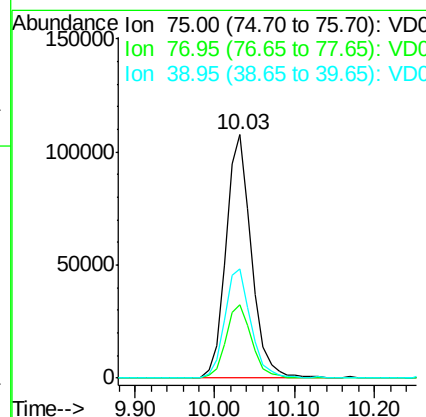
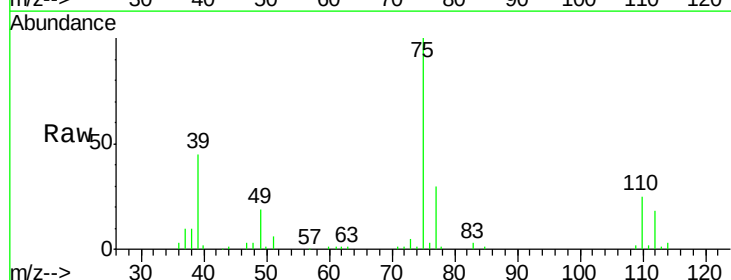
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

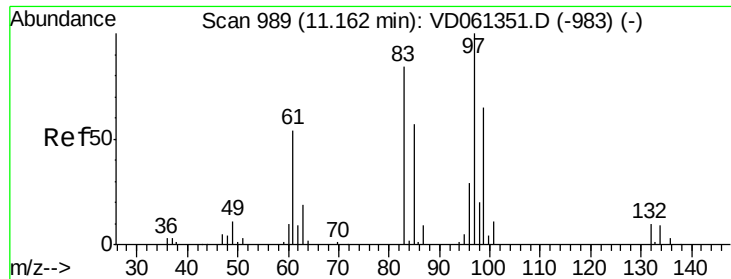
Tot Ion: 75 Resp: 185564
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.452 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 75 Resp: 241626
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.2 39.4
 39 44.7 39.4 59.0

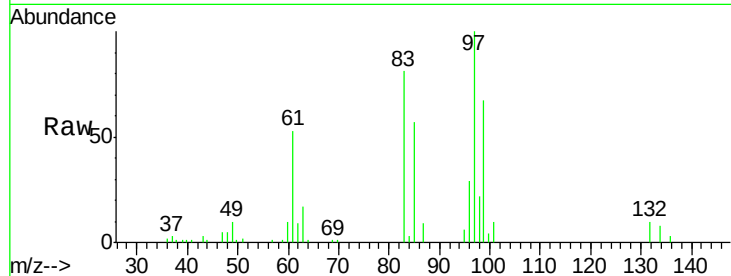




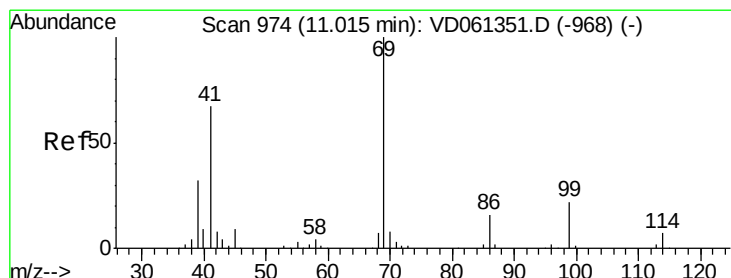
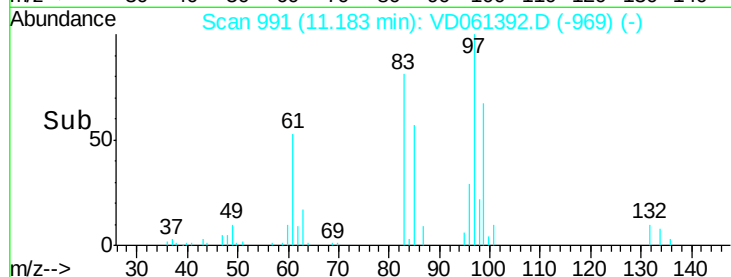
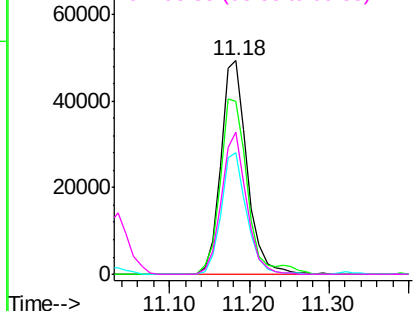
#55
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

Tot Ion:	97	Resp:	114244
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.0	100.6
85	56.9	45.4	68.2
99	66.6	51.9	77.9

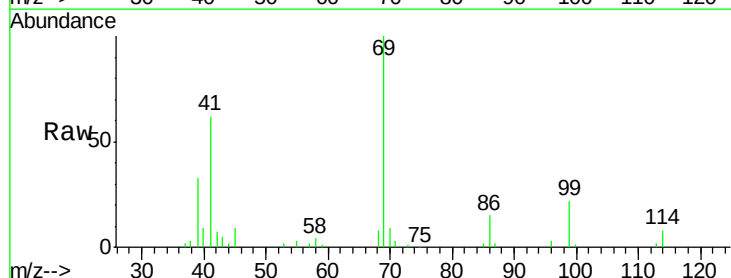


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

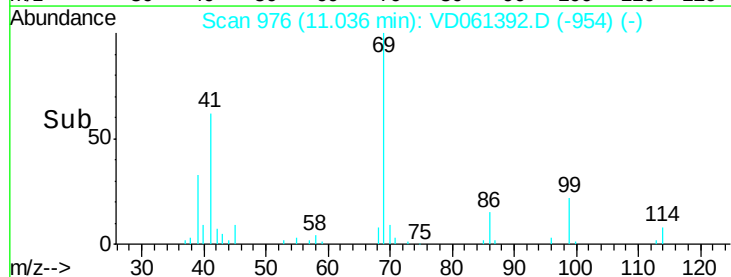
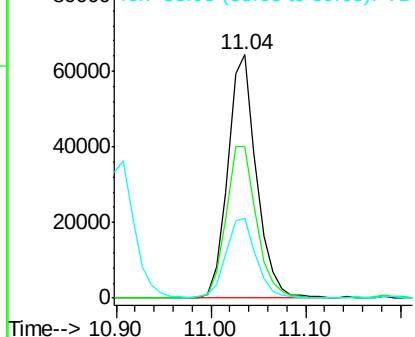


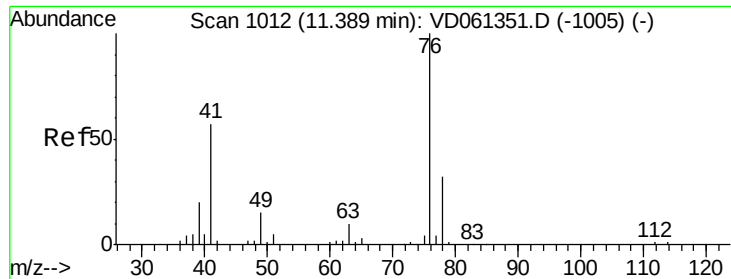
#56
 Ethyl methacrylate
 Concen: 21.012 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.02 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion:	69	Resp:	134258
Ion	Ratio	Lower	Upper
69	100		
41	62.1	53.8	80.6
39	32.6	26.4	39.6



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

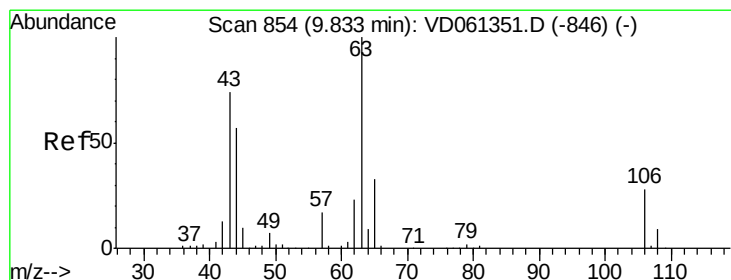
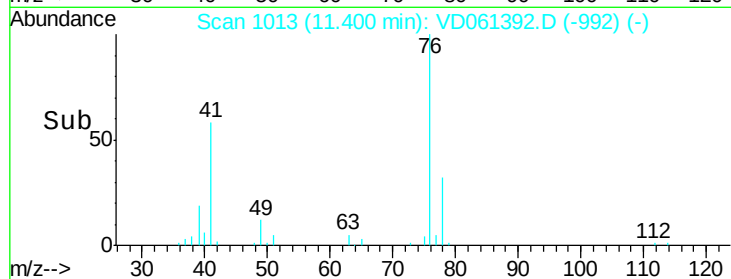
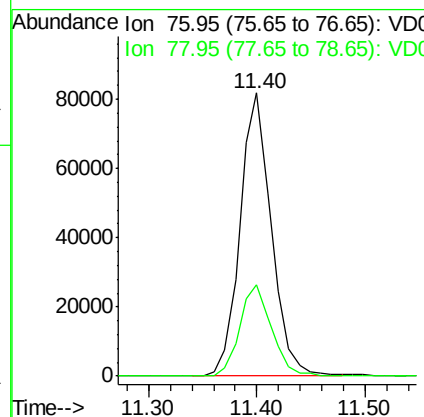
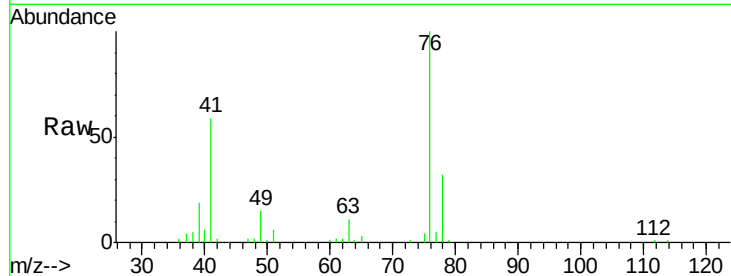




#57
 1,3-Dichloropropane
 Concen: 18.723 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

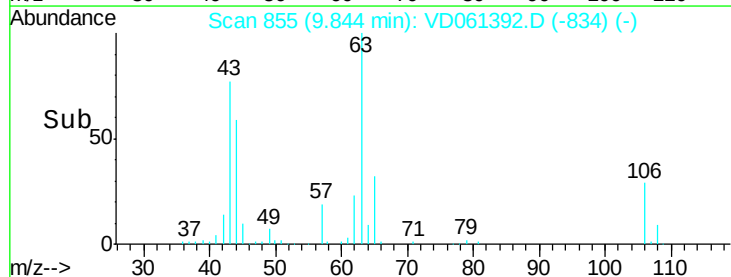
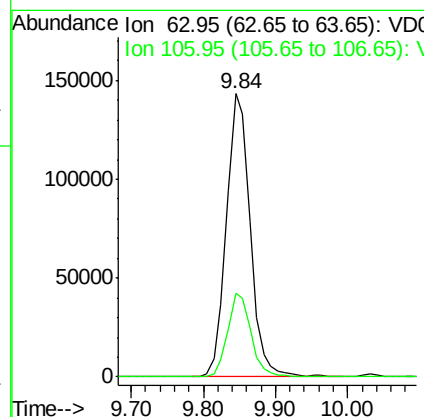
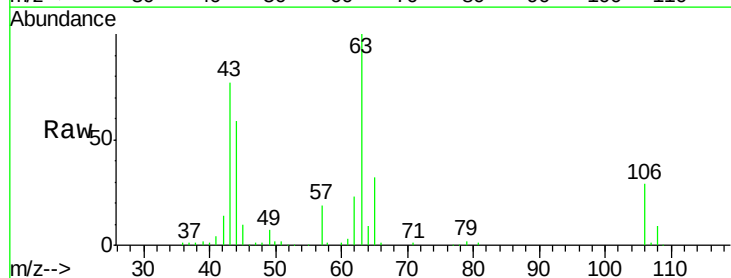
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

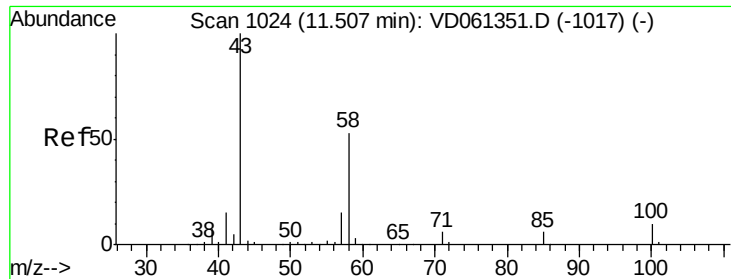
Tot Ion: 76 Resp: 163677
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.671 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 63 Resp: 325702
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.4 33.6

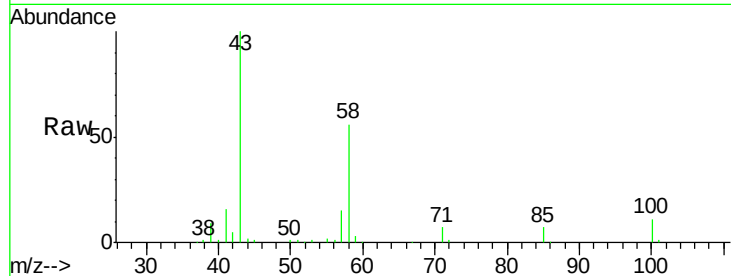




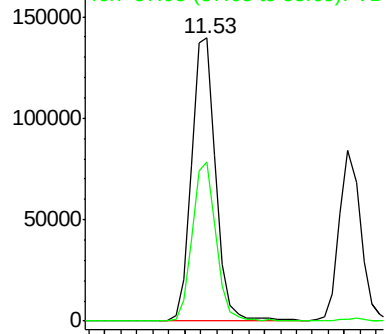
#59
2-Hexanone
Concen: 98.357 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

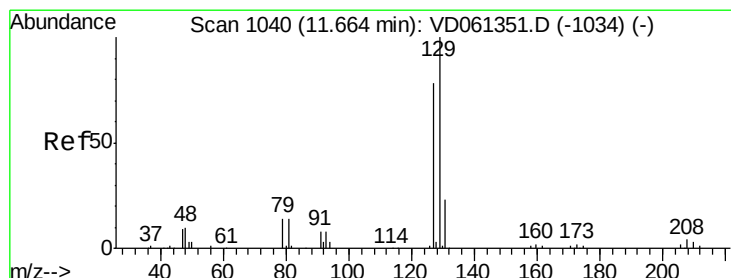
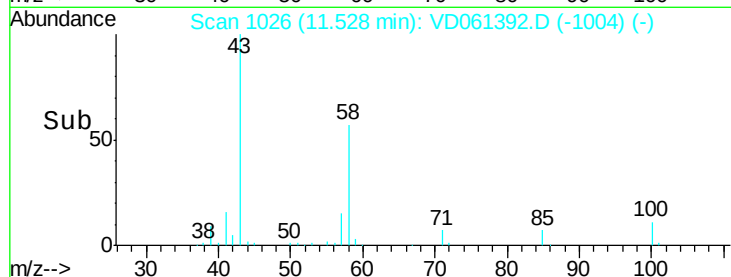
Tot Ion: 43 Resp: 299668
Ion Ratio Lower Upper
43 100
58 56.4 26.3 78.9



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

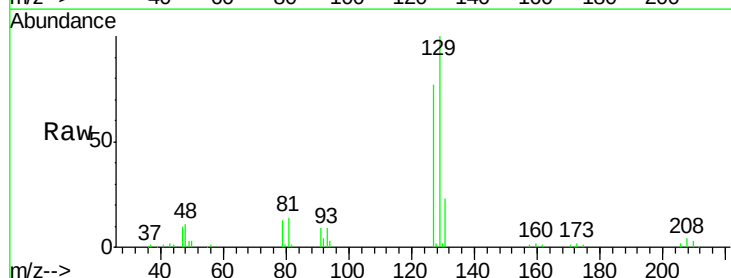


Time--> 11.40 11.50 11.60 11.70

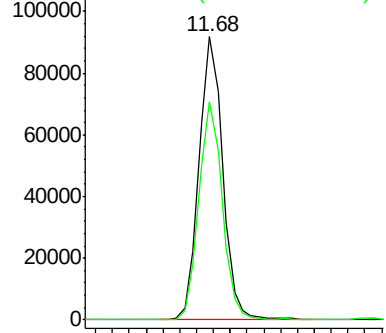


#60
Dibromochloromethane
Concen: 19.633 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

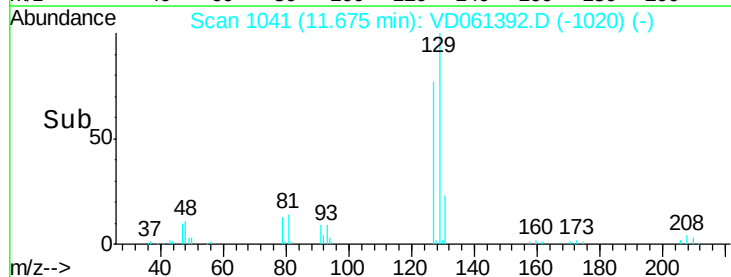
Tgt Ion: 129 Resp: 180014
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9

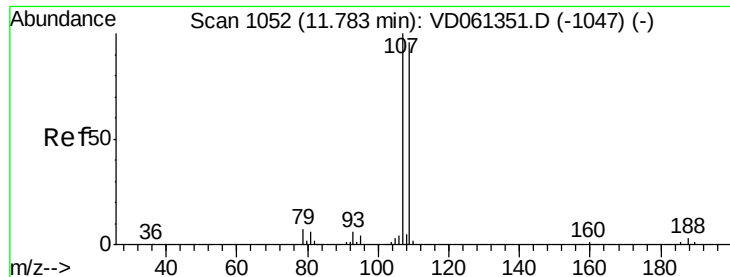


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time--> 11.60 11.70 11.80

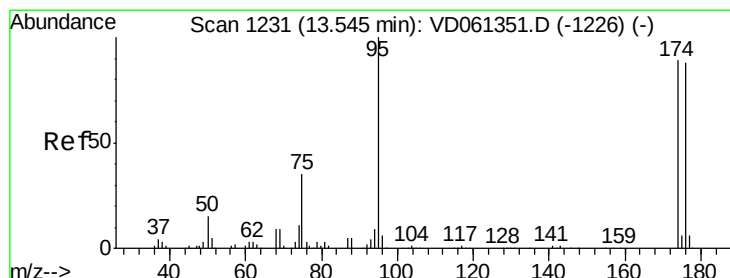
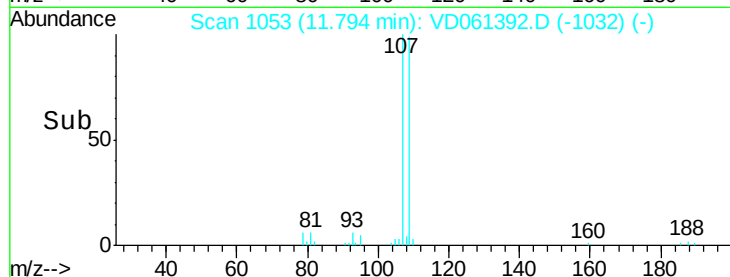
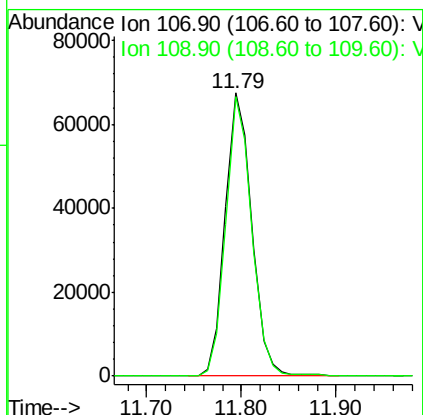
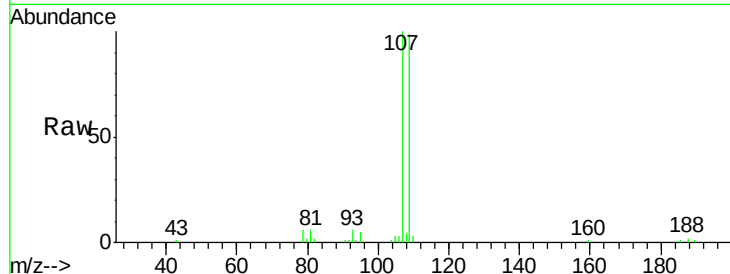




#61
 1,2-Dibromoethane
 Concen: 19.103 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

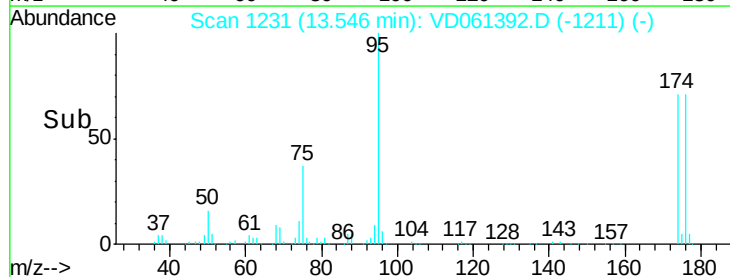
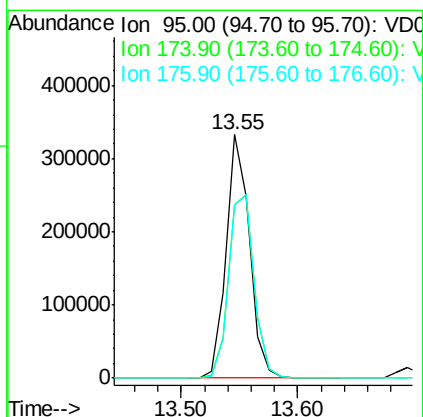
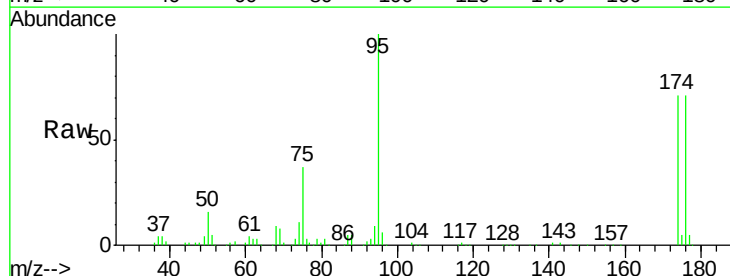
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

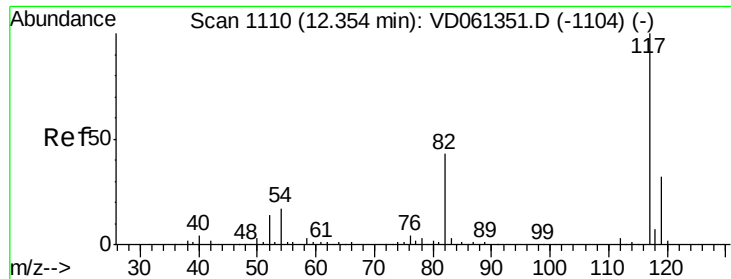
Tot Ion: 107 Resp: 131566
 Ion Ratio Lower Upper
 107 100
 109 98.6 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 19.103 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 95 Resp: 460360
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 178.0
 176 71.1 0.0 175.0

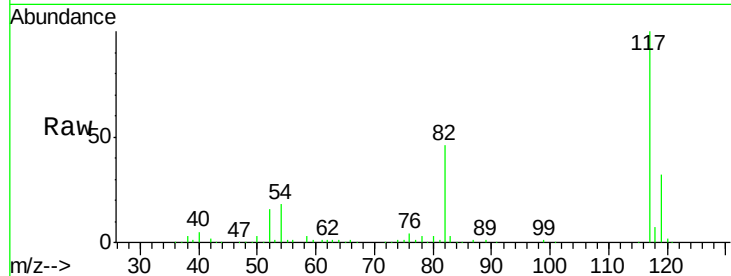




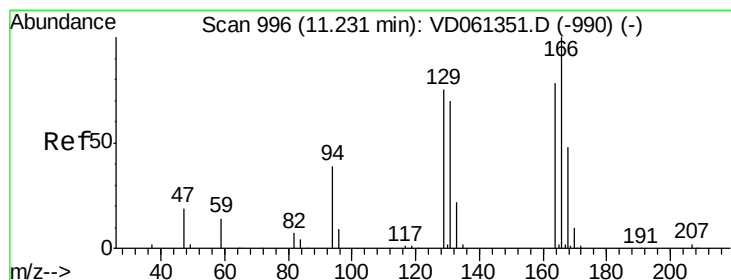
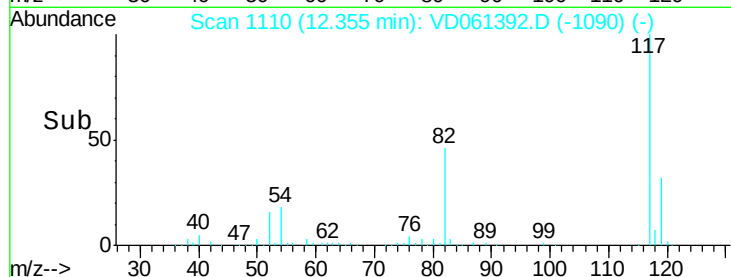
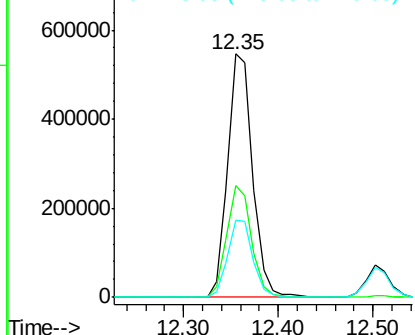
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

Tot Ion:117 Resp: 995699
Ion Ratio Lower Upper
117 100
82 46.2 34.4 51.6
119 32.0 25.8 38.6

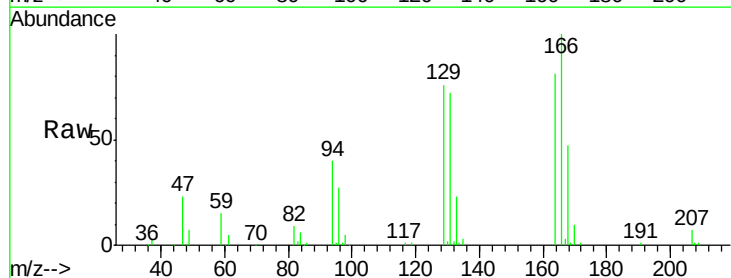


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

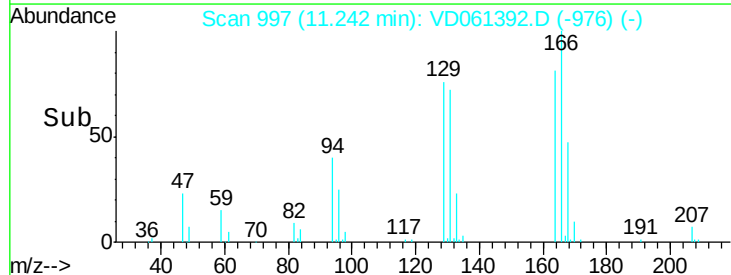
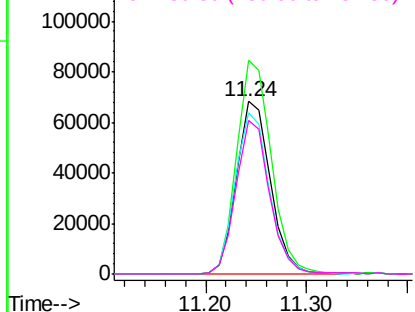


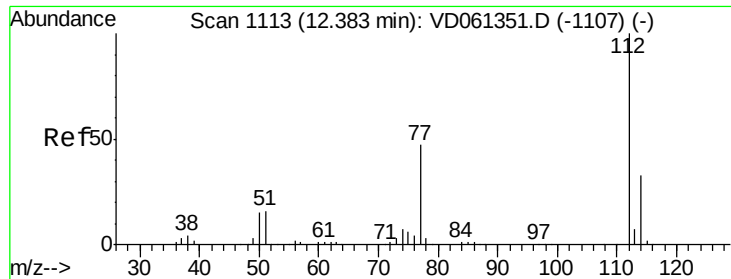
#64
Tetrachloroethene
Concen: 20.503 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion:164 Resp: 160219
Ion Ratio Lower Upper
164 100
166 123.7 102.4 153.6
129 93.7 76.8 115.2
131 89.2 71.8 107.6



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

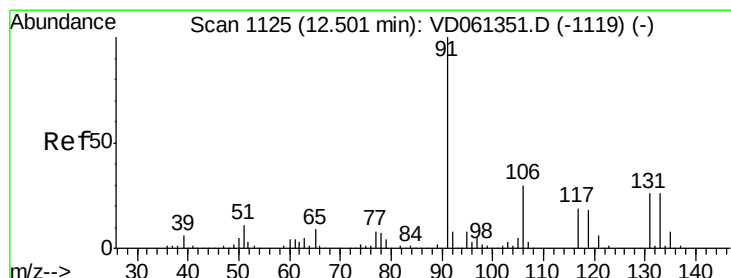
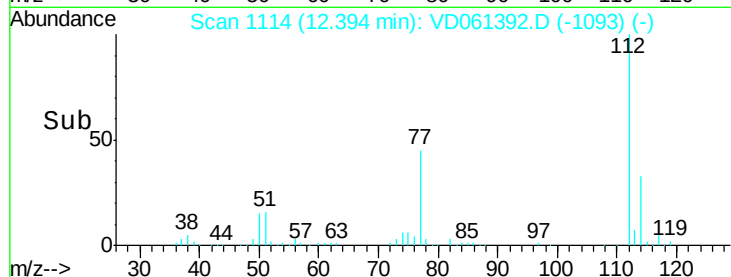
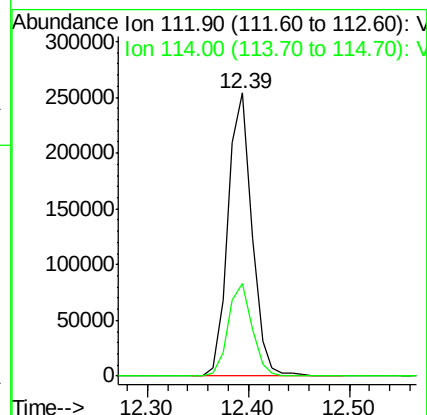
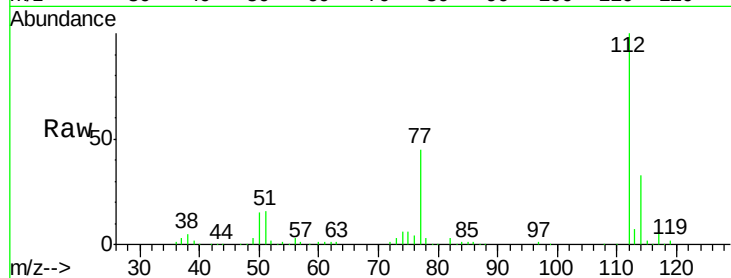




#65
Chlorobenzene
Concen: 20.568 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

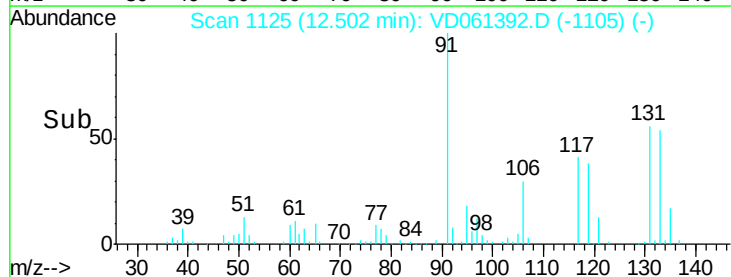
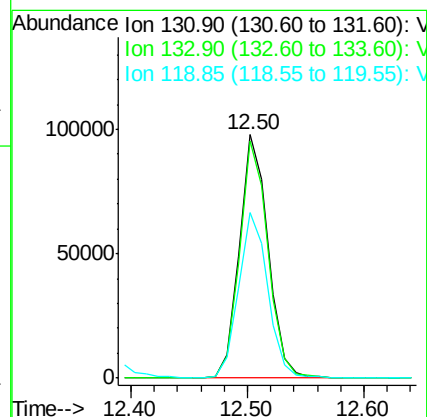
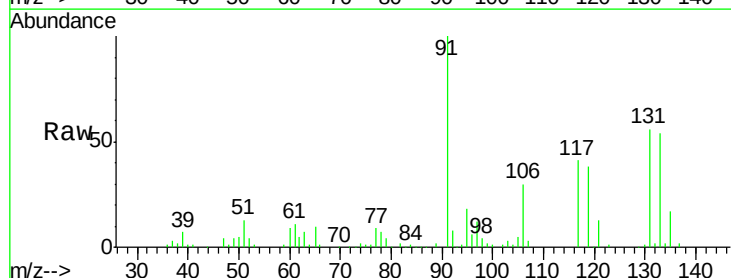
Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

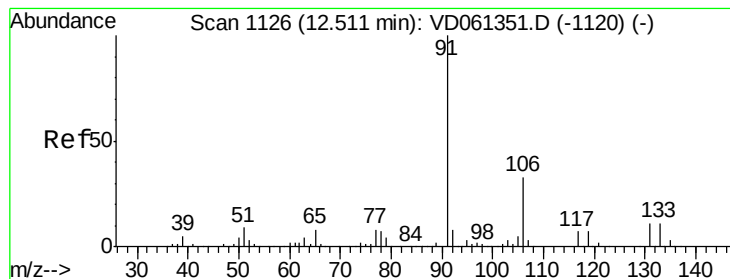
Tot Ion:112 Resp: 418543
Ion Ratio Lower Upper
112 100
114 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion:131 Resp: 166526
Ion Ratio Lower Upper
131 100
133 97.2 49.4 148.2
119 68.0 34.1 102.2





#67

Ethyl Benzene

Concen: 21.378 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleID :

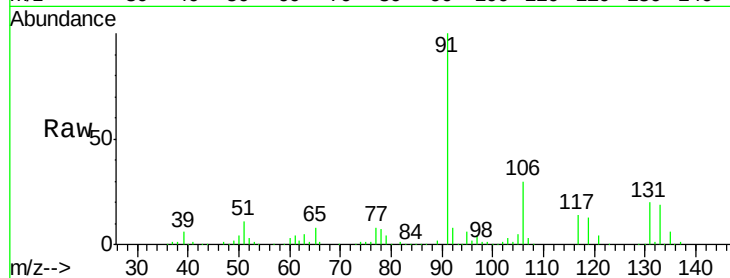
VD0328SBSD01

Tot Ion: 91 Resp: 663991

Ion Ratio Lower Upper

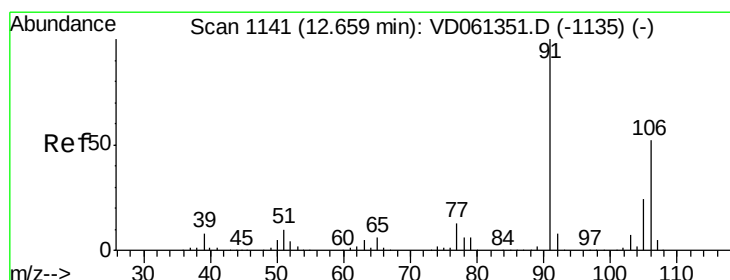
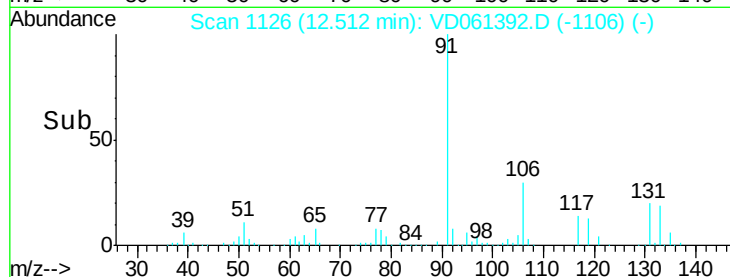
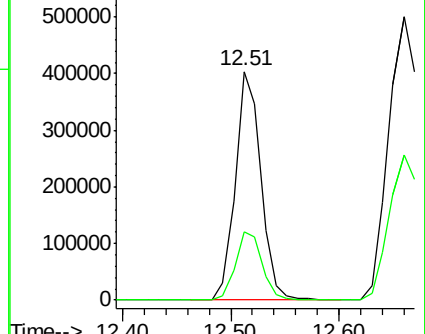
91 100

106 29.7 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 44.150 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD061392.D

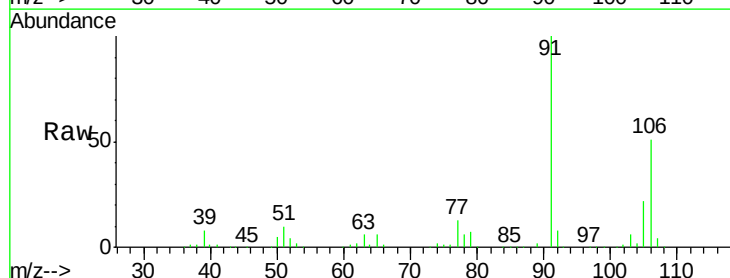
Acq: 28 Mar 2019 15:50

Tgt Ion:106 Resp: 519444

Ion Ratio Lower Upper

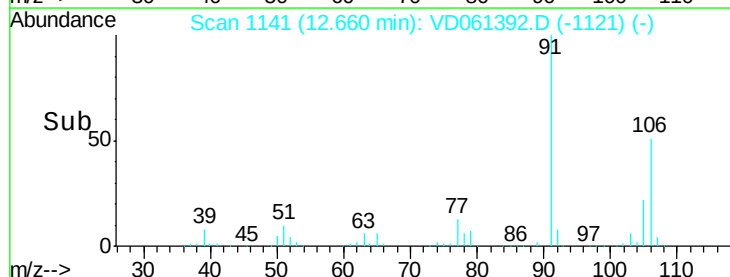
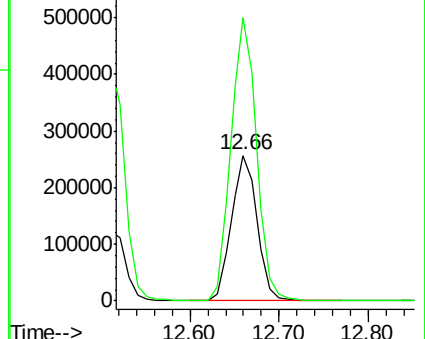
106 100

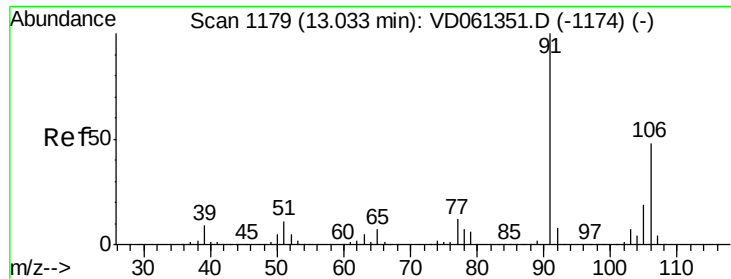
91 194.5 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

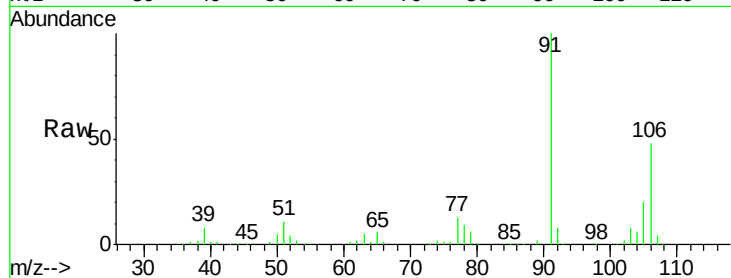




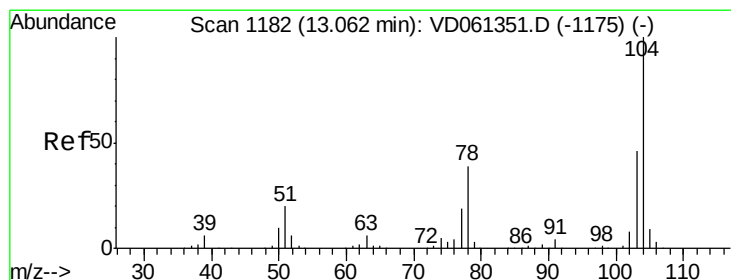
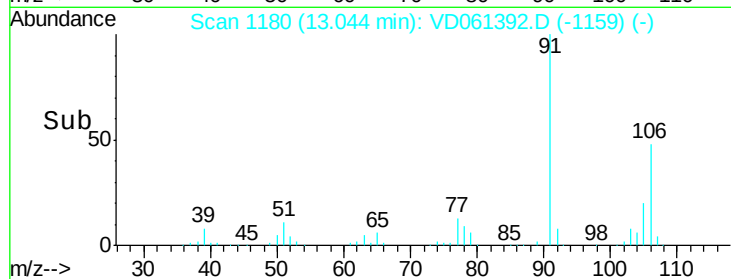
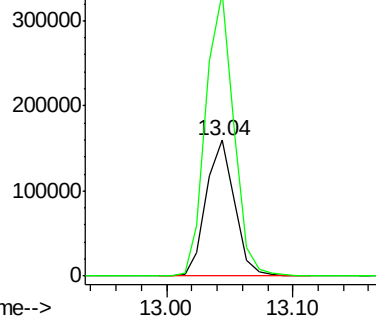
#69
o-Xylene
Concen: 21.666 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBS01

Tot Ion:106 Resp: 247377
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.3

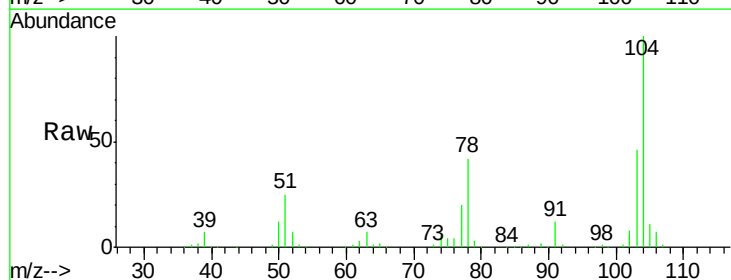


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

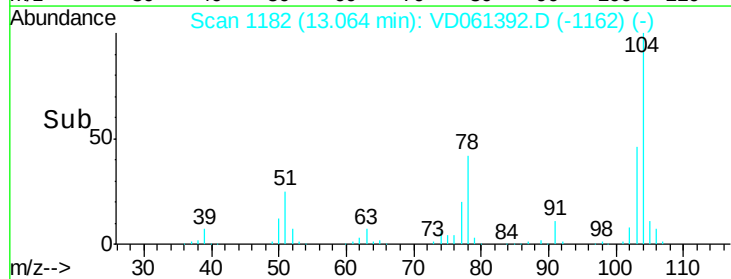
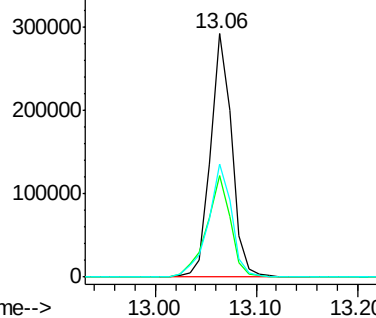


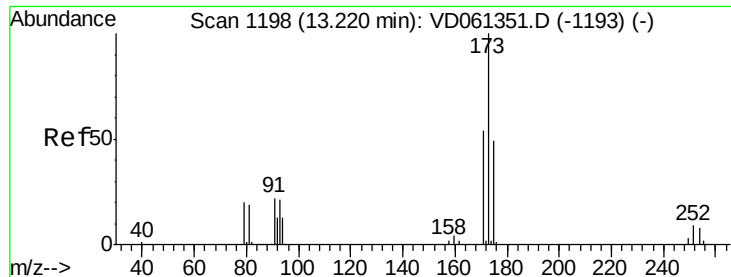
#70
Styrene
Concen: 21.447 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion:104 Resp: 426869
Ion Ratio Lower Upper
104 100
78 41.9 31.0 46.6
103 46.3 37.0 55.4



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





#71

Bromoform

Concen: 18.911 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

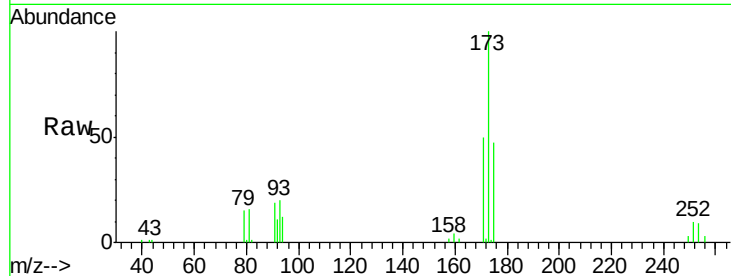
Tot Ion:173 Resp: 94448

Ion Ratio Lower Upper

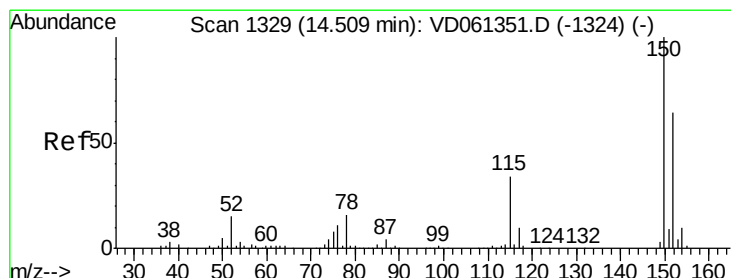
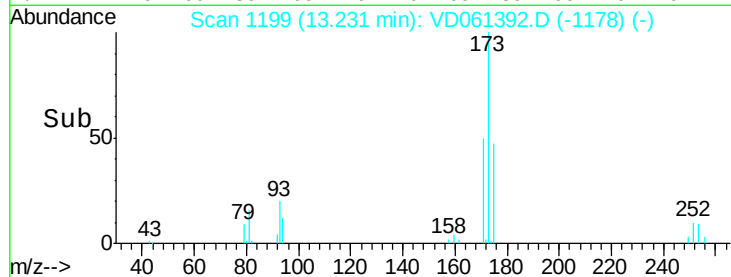
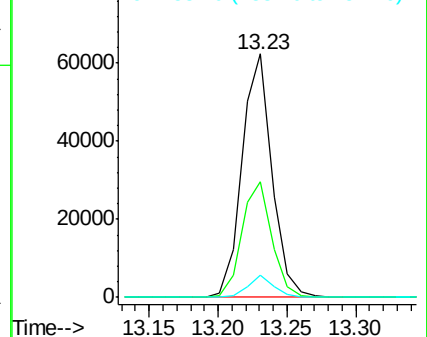
173 100

175 47.5 24.6 73.8

254 9.3 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

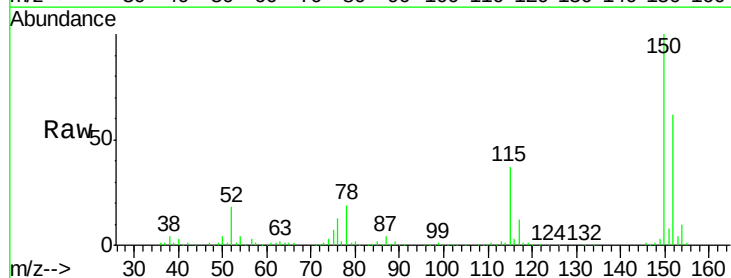
Tgt Ion:152 Resp: 447647

Ion Ratio Lower Upper

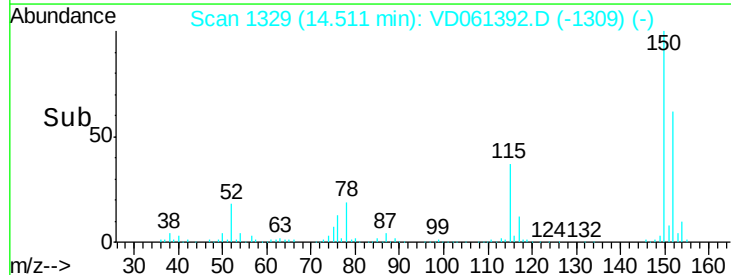
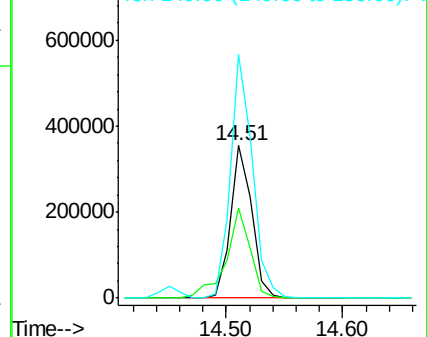
152 100

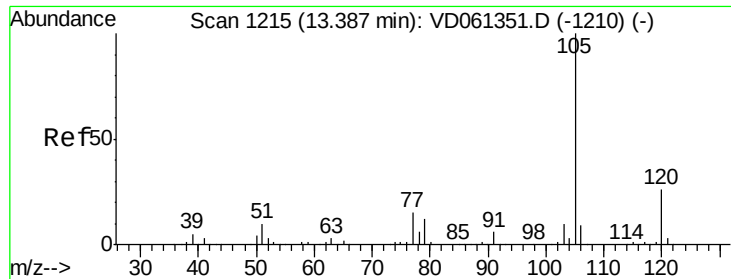
115 59.6 26.9 80.6

150 160.0 0.0 318.0



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





#73

Isopropylbenzene

Concen: 21.817 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

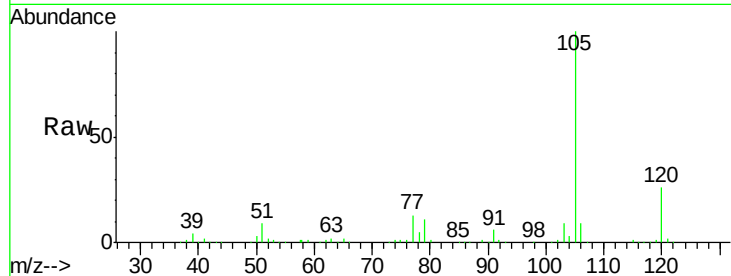
VD0328SBSD01

Tot Ion:105 Resp: 679741

Ion Ratio Lower Upper

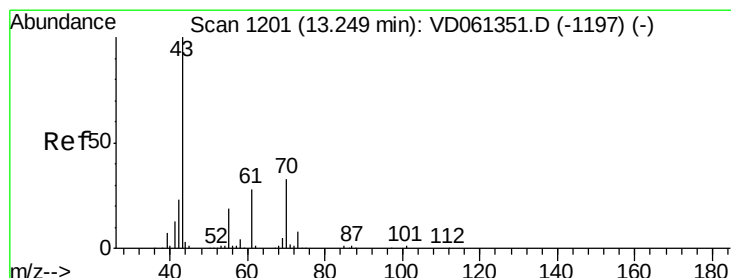
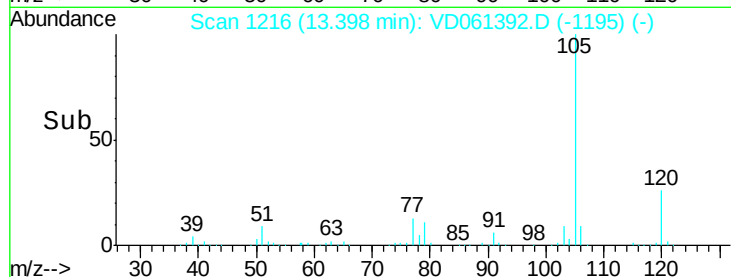
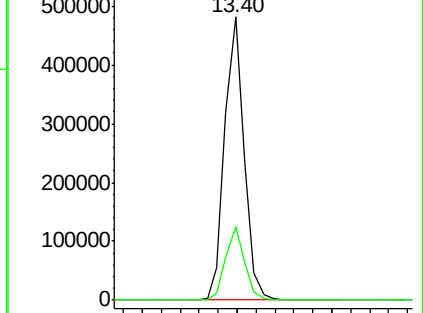
105 100

120 25.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.021 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Tgt Ion: 43 Resp: 165082

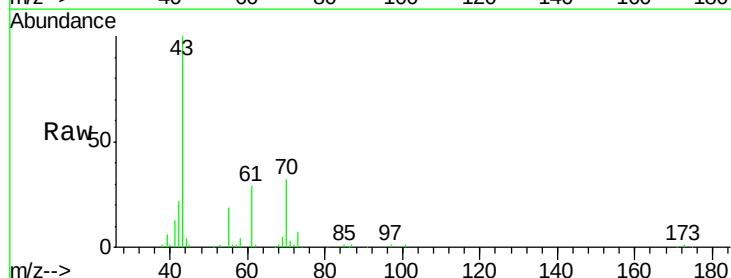
Ion Ratio Lower Upper

43 100

70 32.0 26.6 40.0

55 18.9 15.4 23.2

61 28.5 22.2 33.4

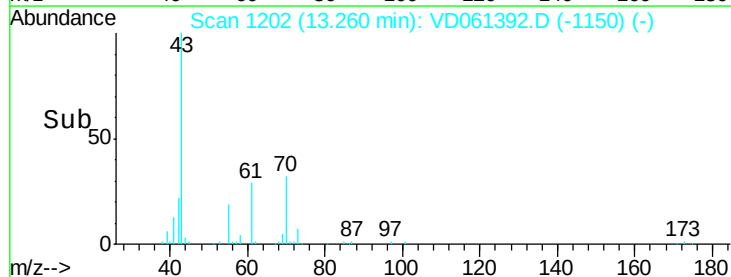
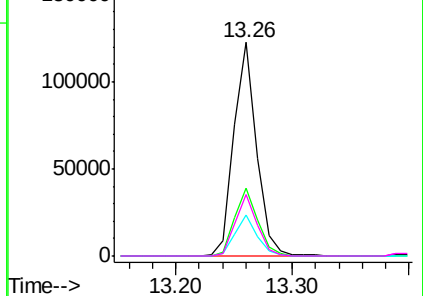


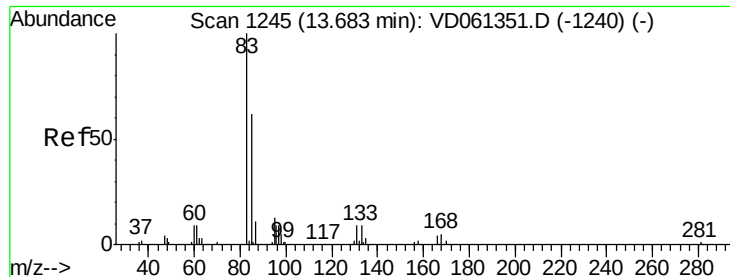
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.087 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

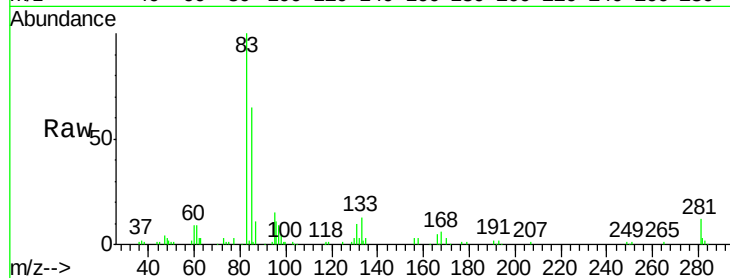
Tot Ion: 83 Resp: 132018

Ion Ratio Lower Upper

83 100

131 10.2 4.3 13.1

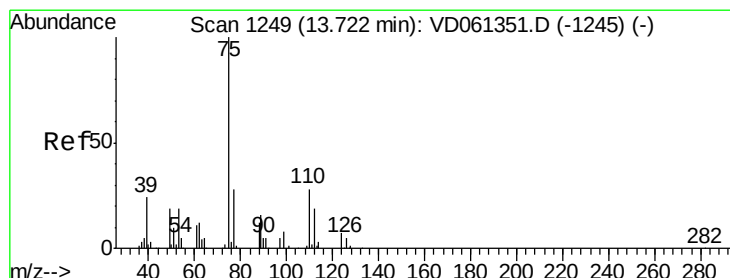
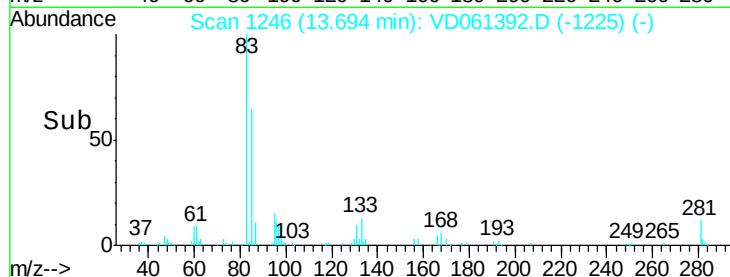
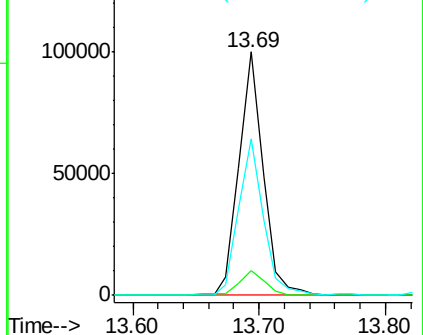
85 64.5 31.2 93.6



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: 20.122 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061392.D

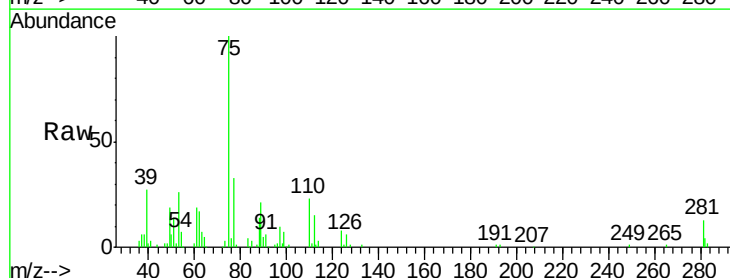
Acq: 28 Mar 2019 15:50

Tgt Ion: 75 Resp: 130118

Ion Ratio Lower Upper

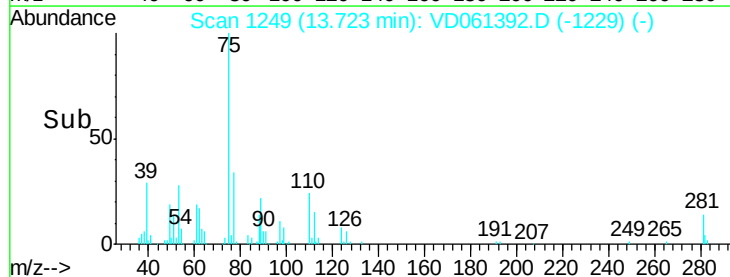
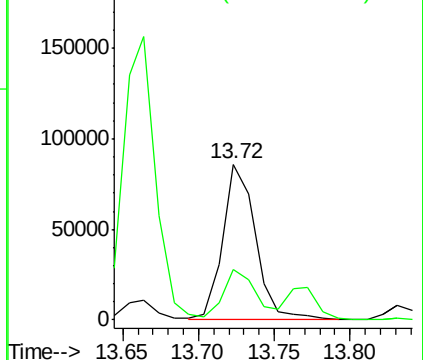
75 100

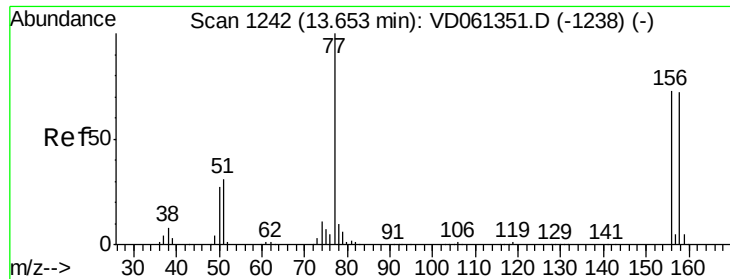
77 32.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.171 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

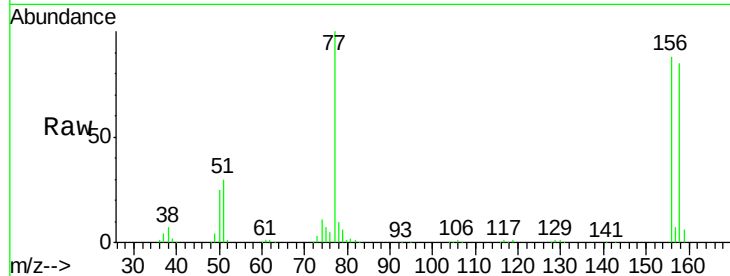
Tot Ion:156 Resp: 186308

Ion Ratio Lower Upper

156 100

77 113.4 68.5 205.6

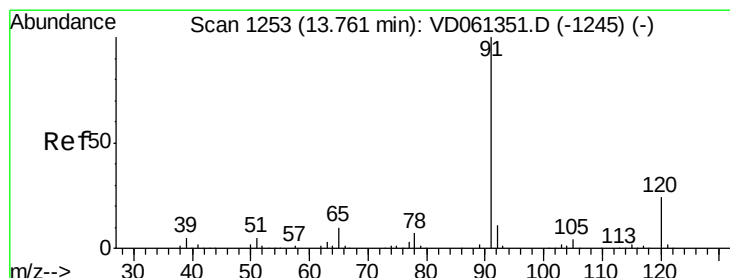
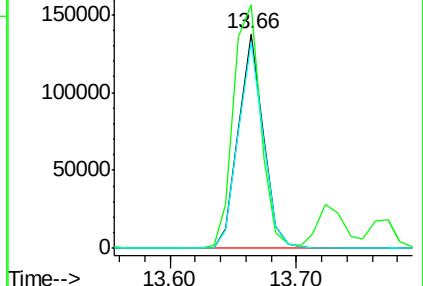
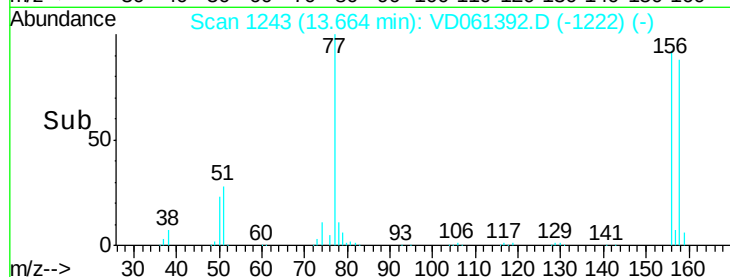
158 96.0 49.1 147.3



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: 20.177 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061392.D

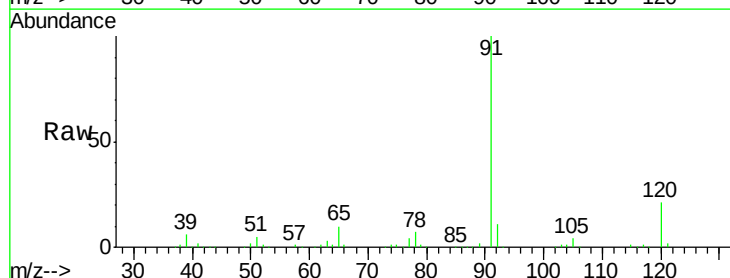
Acq: 28 Mar 2019 15:50

Tgt Ion: 91 Resp: 769301

Ion Ratio Lower Upper

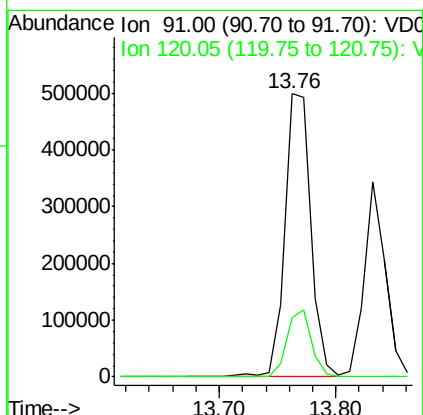
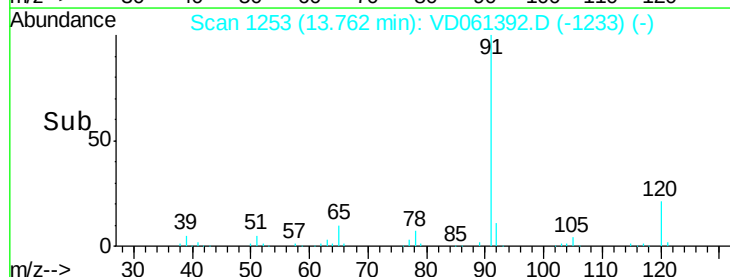
91 100

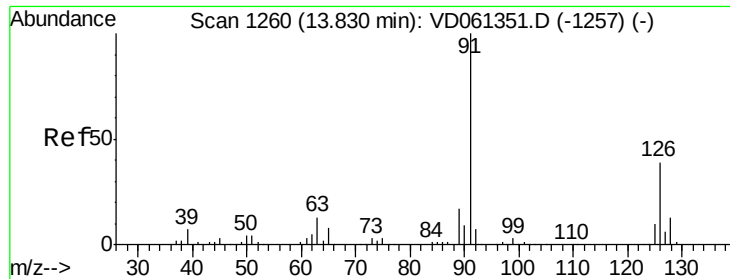
120 21.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.953 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

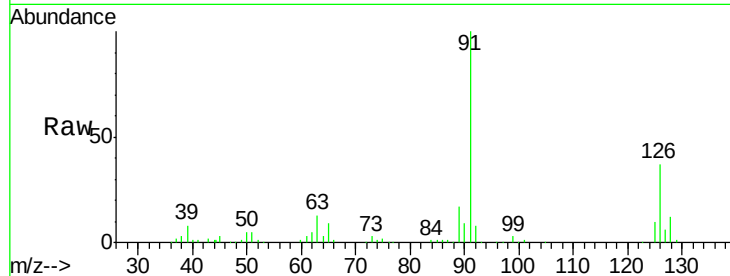
VD0328SBSD01

Tot Ion: 91 Resp: 433777

Ion Ratio Lower Upper

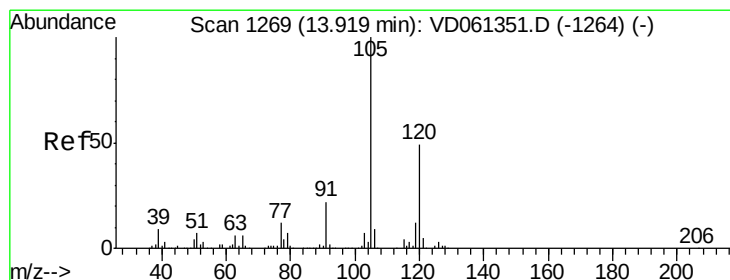
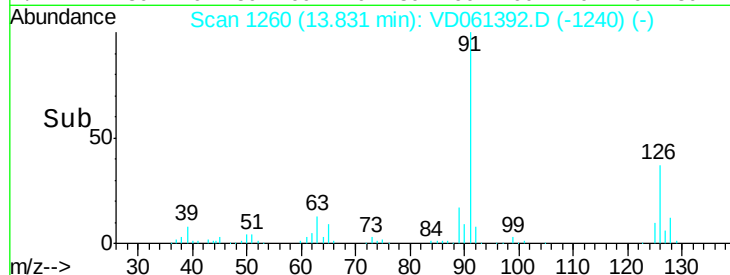
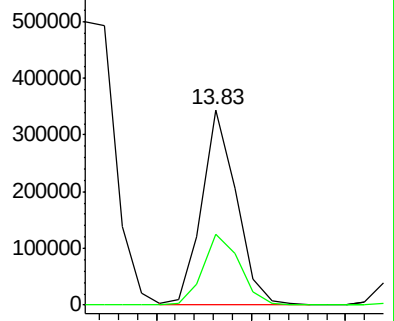
91 100

126 36.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.076 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061392.D

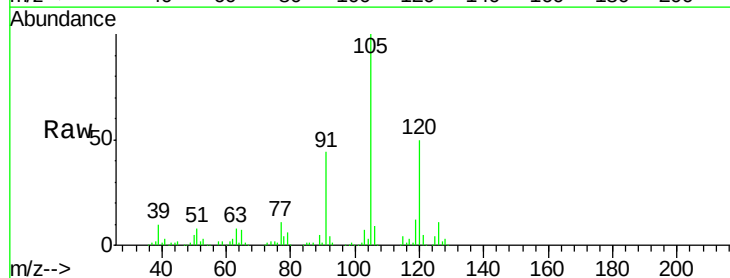
Acq: 28 Mar 2019 15:50

Tgt Ion:105 Resp: 533651

Ion Ratio Lower Upper

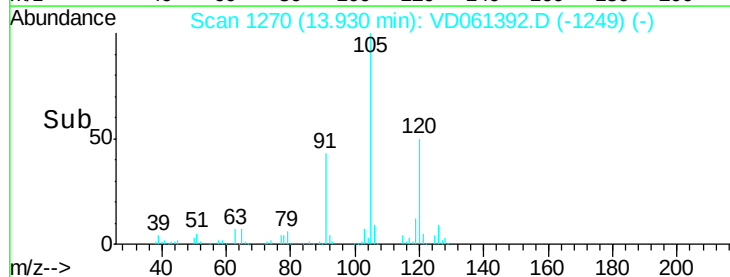
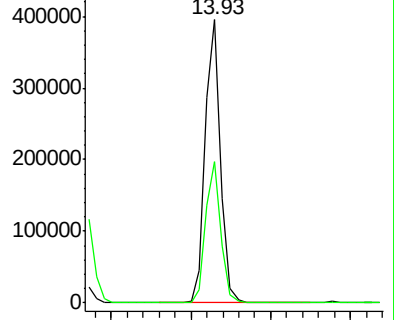
105 100

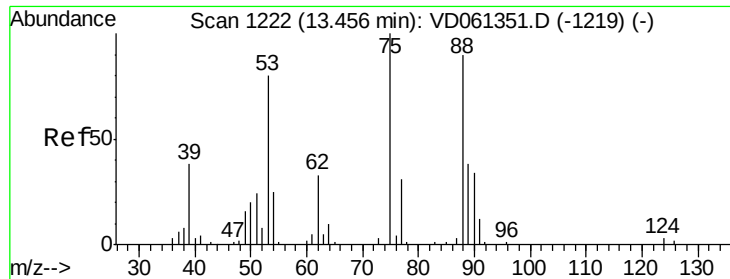
120 50.1 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.468 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBSD01

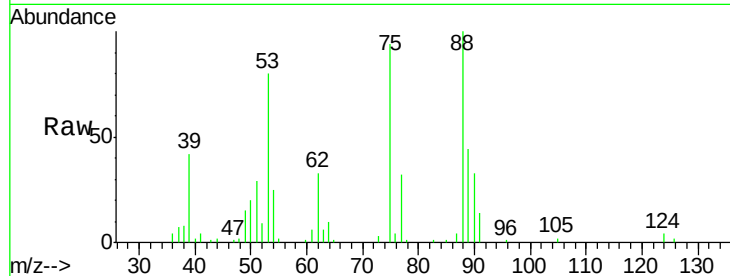
Tot Ion: 75 Resp: 40355

Ion Ratio Lower Upper

75 100

53 84.5 63.8 95.8

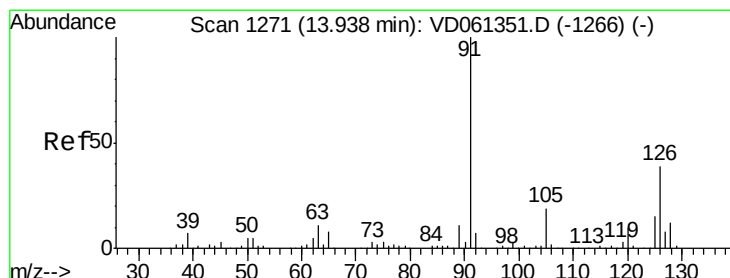
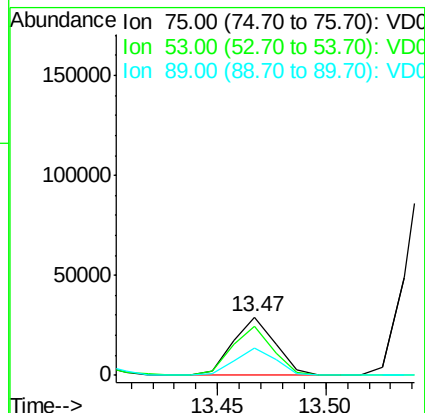
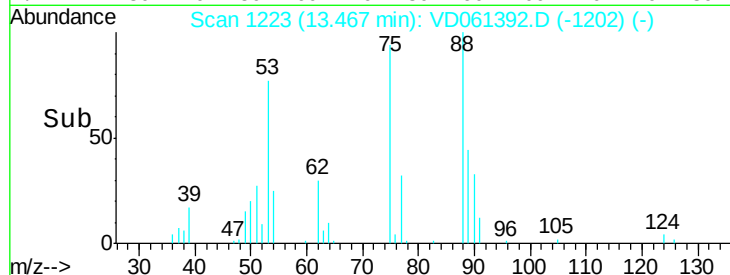
89 46.8 30.5 45.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.729 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061392.D

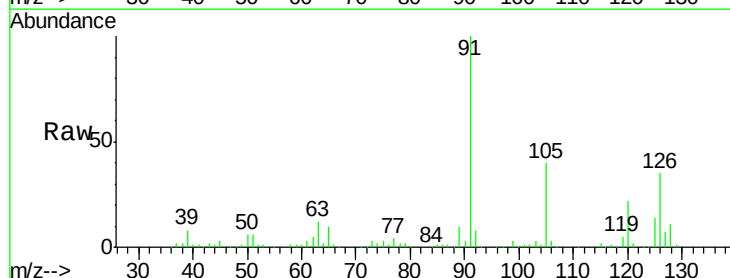
Acq: 28 Mar 2019 15:50

Tgt Ion: 91 Resp: 489127

Ion Ratio Lower Upper

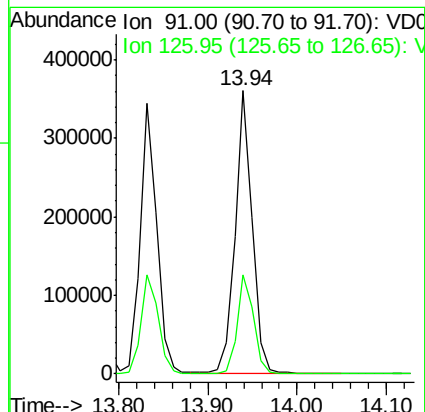
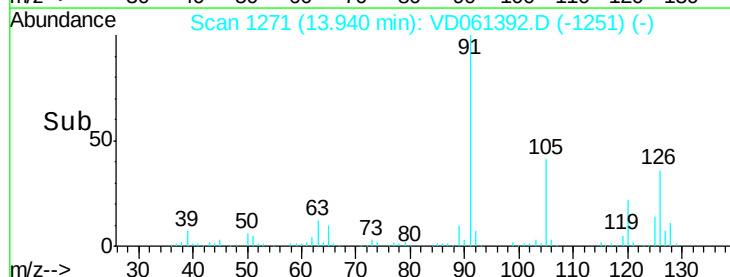
91 100

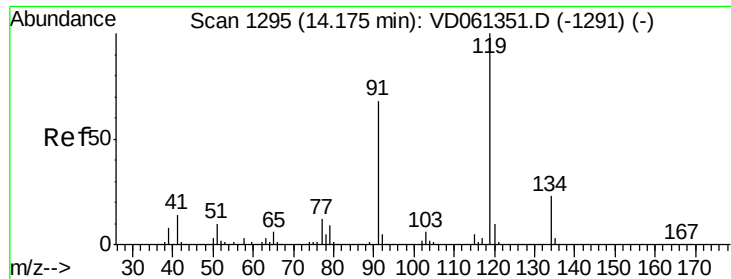
126 35.0 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

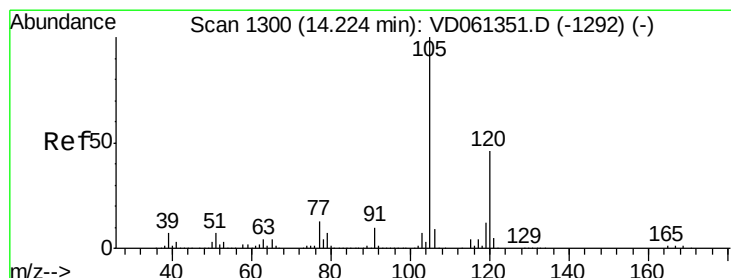
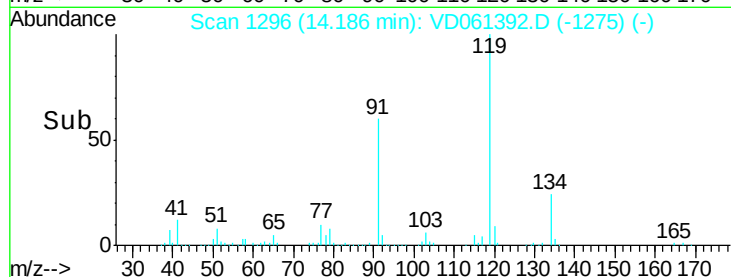
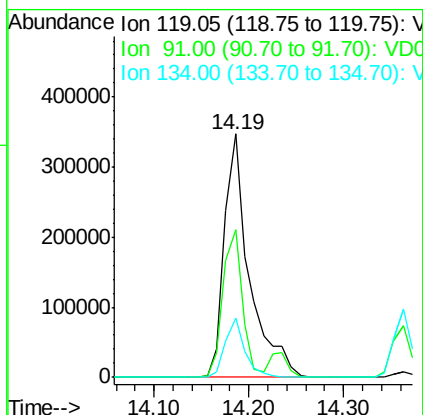
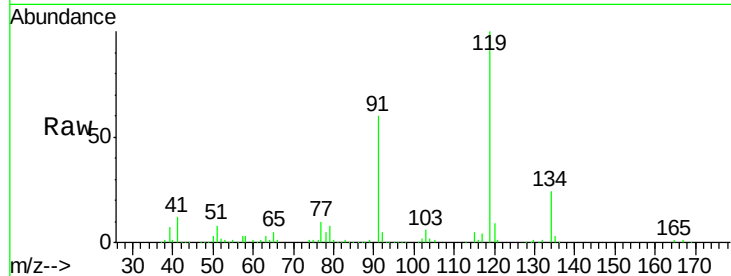




#83
 tert-Butylbenzene
 Concen: 21.005 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

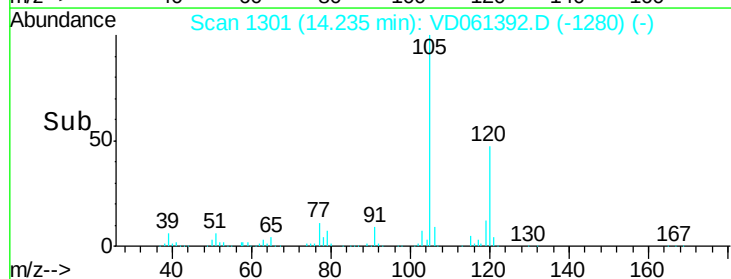
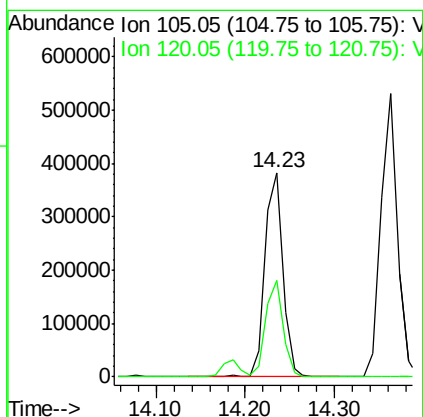
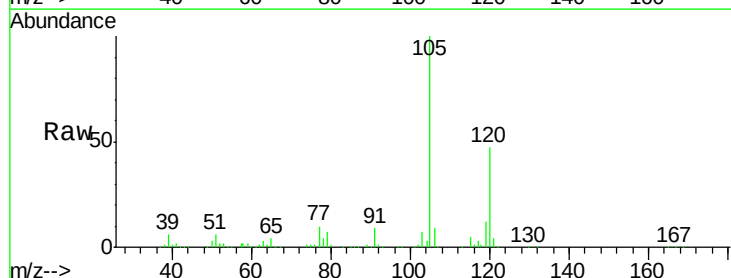
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

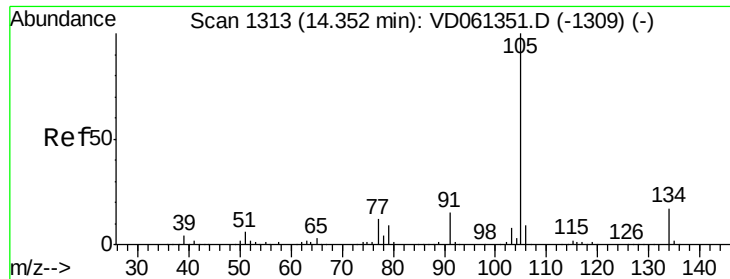
Tot Ion:119 Resp: 634575
 Ion Ratio Lower Upper
 119 100
 91 60.4 34.1 102.3
 134 24.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.173 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion:105 Resp: 527945
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.998 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

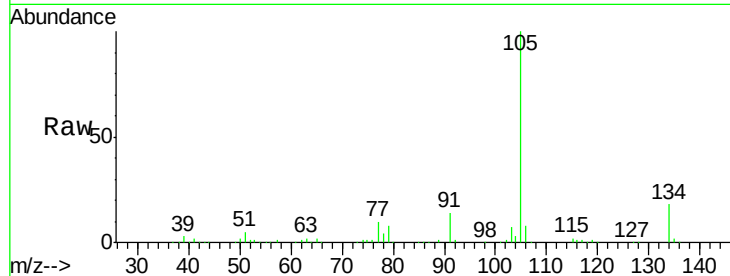
VD0328SBS01

Tot Ion:105 Resp: 673891

Ion Ratio Lower Upper

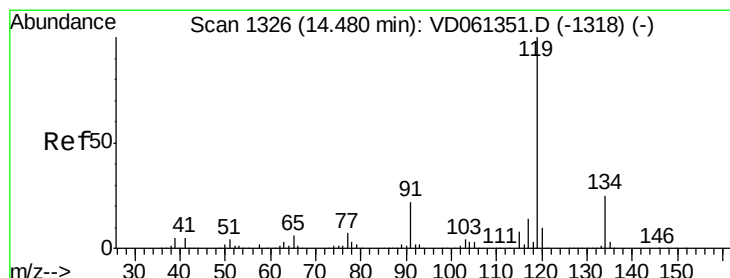
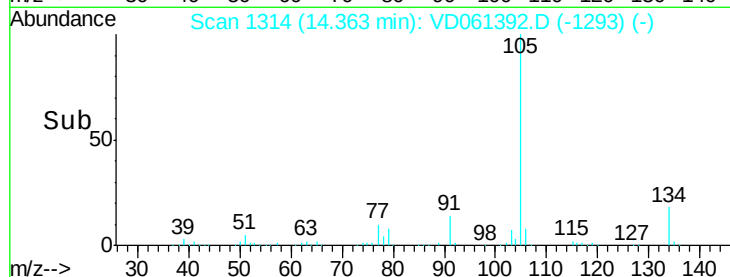
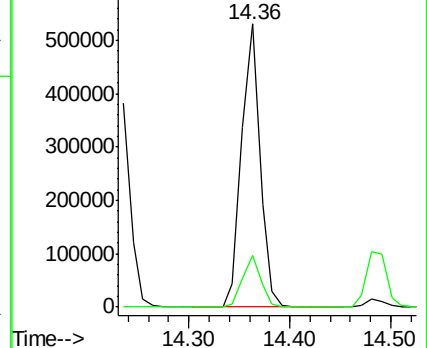
105 100

134 18.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.186 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

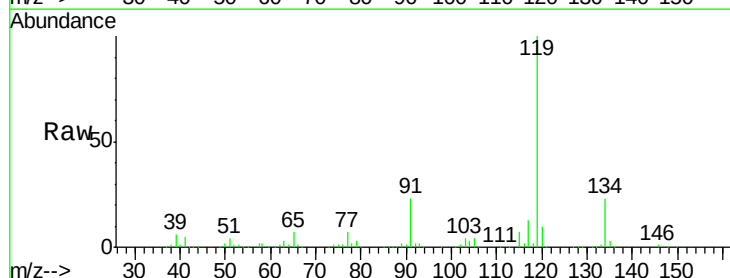
Tgt Ion:119 Resp: 602083

Ion Ratio Lower Upper

119 100

134 23.4 12.3 36.8

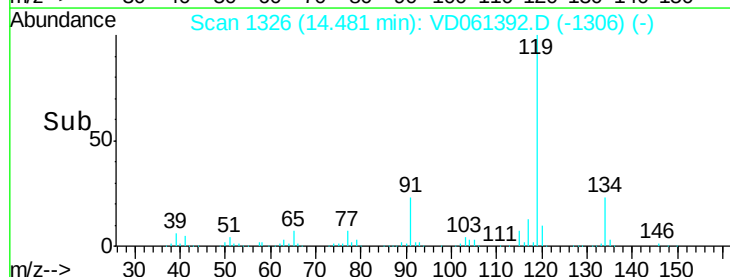
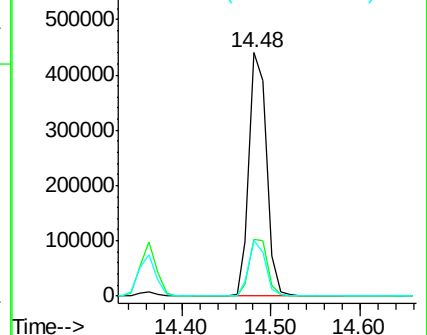
91 22.9 11.1 33.1

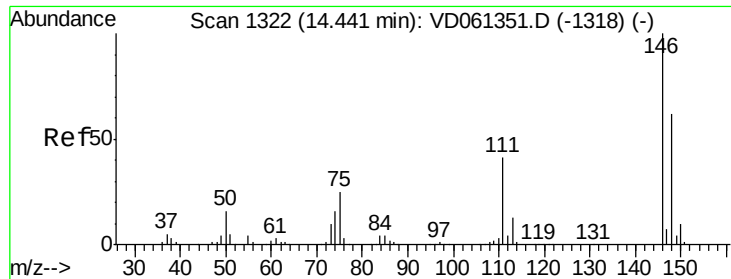


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

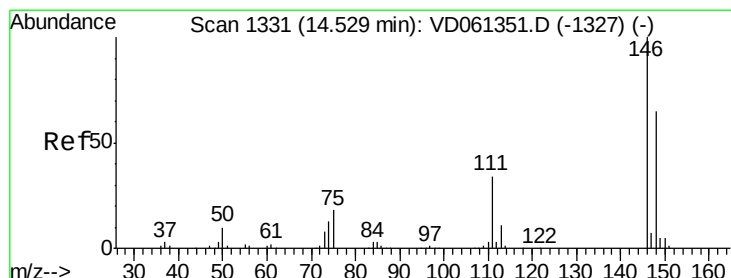
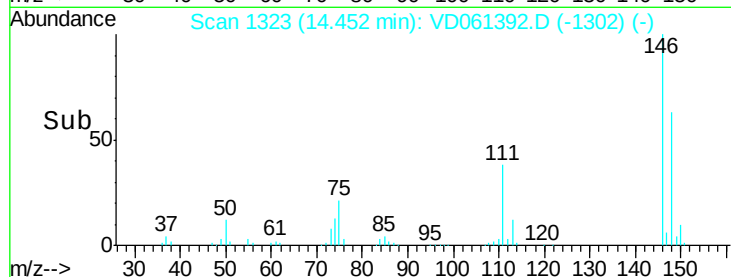
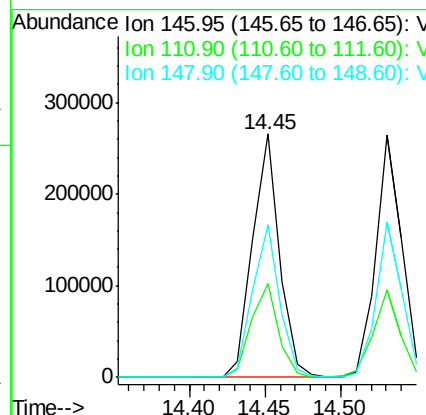
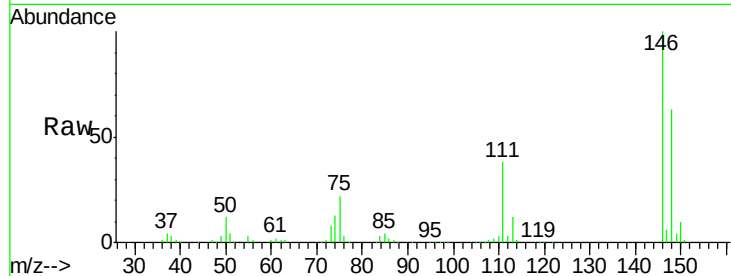




#87
 1,3-Dichlorobenzene
 Concen: 21.064 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

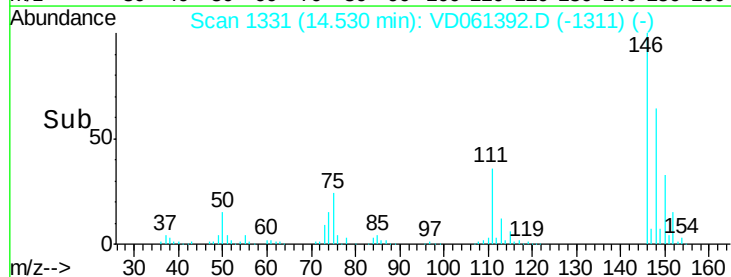
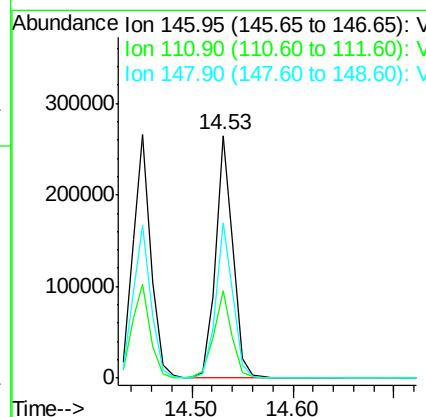
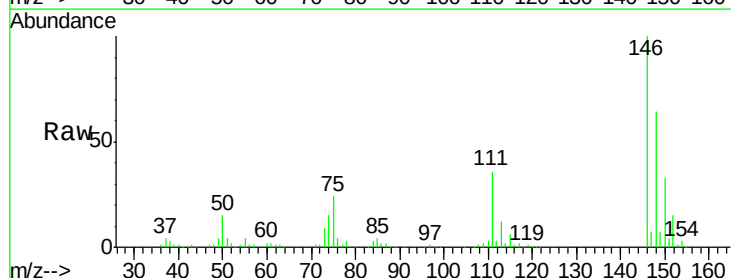
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

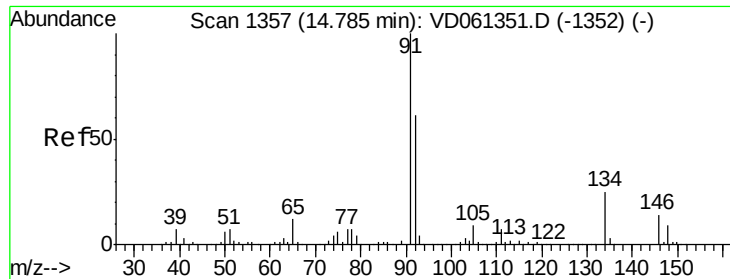
Tot Ion:146 Resp: 329459
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.6 61.9
 148 62.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.931 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion:146 Resp: 319264
 Ion Ratio Lower Upper
 146 100
 111 36.2 16.8 50.4
 148 64.1 32.6 98.0





#89

n-Butylbenzene

Concen: 19.560 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061392.D

Acq: 28 Mar 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

VD0328SBS01

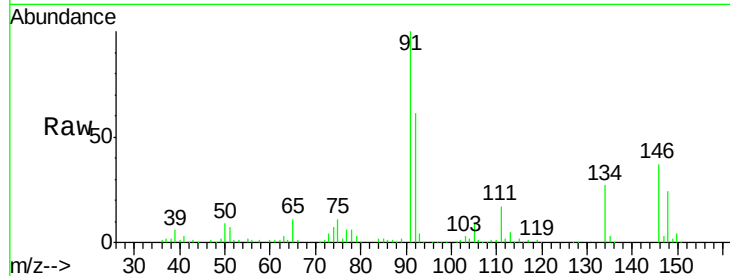
Tot Ion: 91 Resp: 487211

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

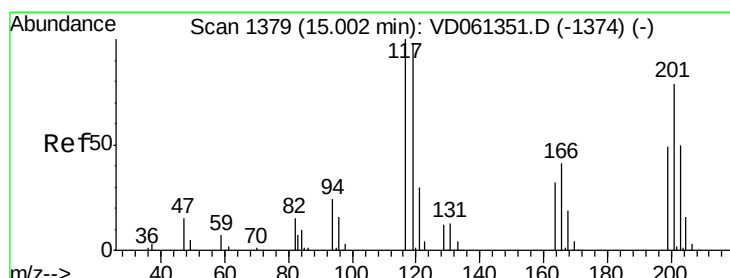
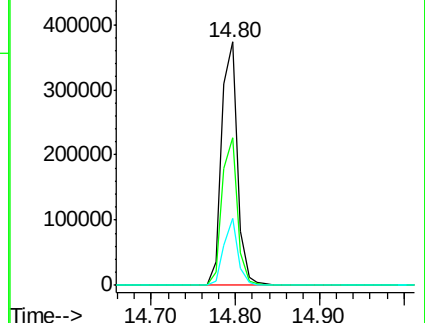
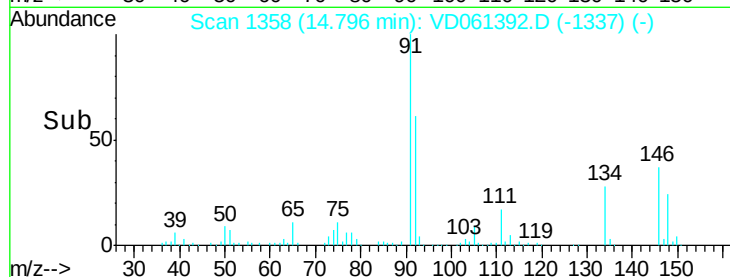
134 27.5 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.955 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061392.D

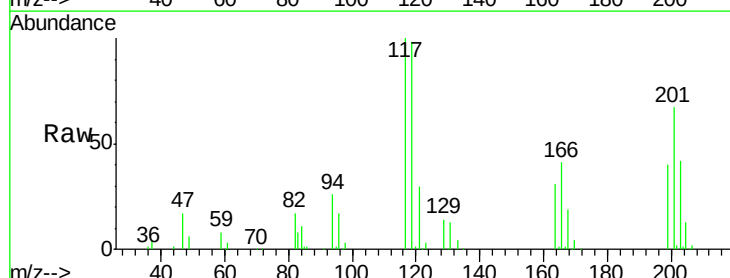
Acq: 28 Mar 2019 15:50

Tgt Ion: 117 Resp: 145328

Ion Ratio Lower Upper

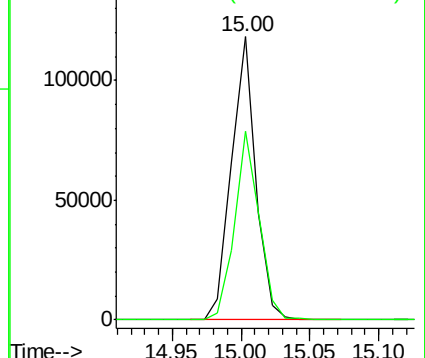
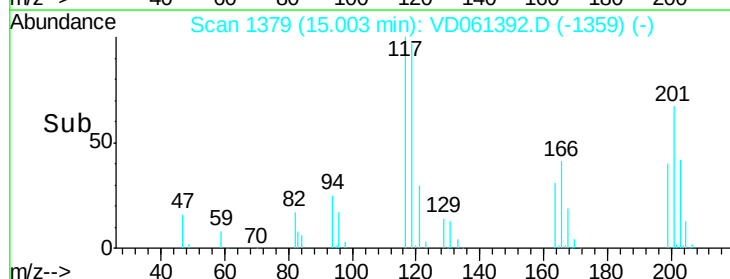
117 100

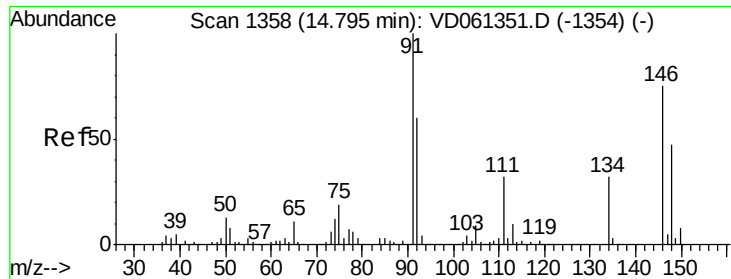
201 66.8 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

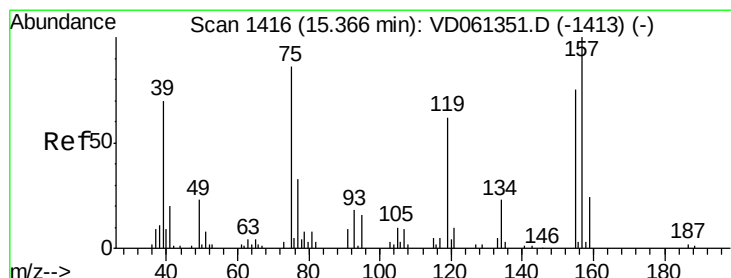
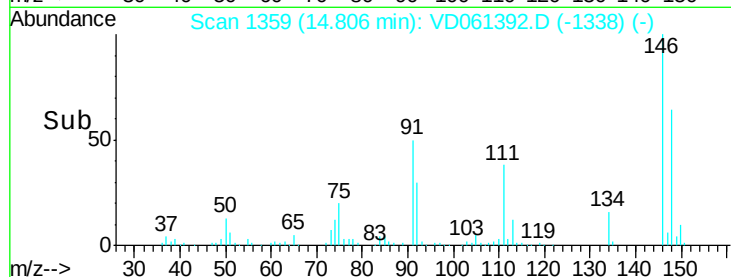
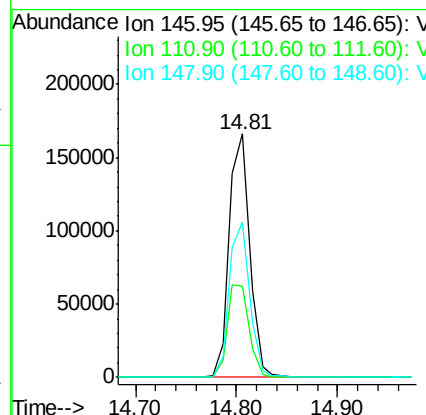
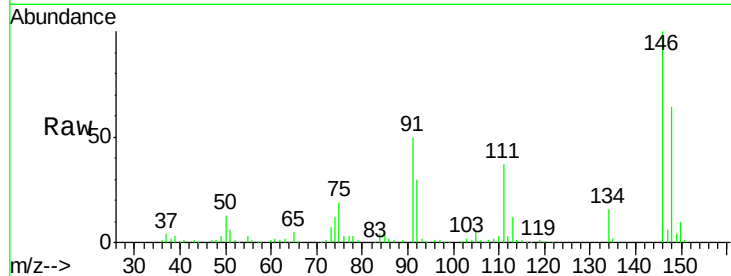




#91
 1,2-Dichlorobenzene
 Concen: 18.428 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

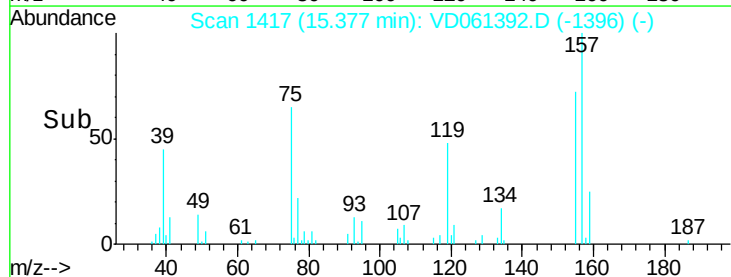
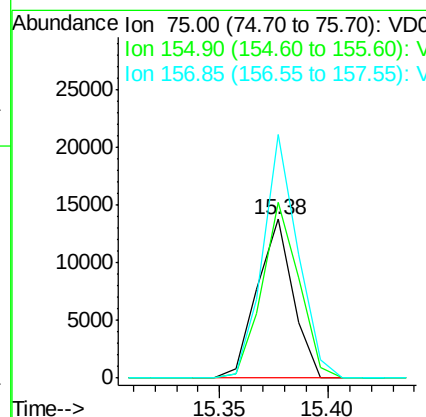
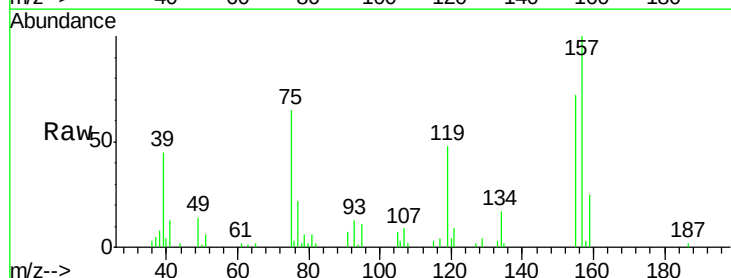
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

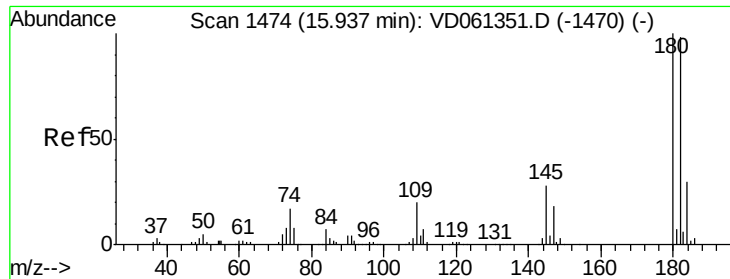
Tot Ion:146 Resp: 236415
 Ion Ratio Lower Upper
 146 100
 111 37.4 21.2 63.6
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.635 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion: 75 Resp: 15906
 Ion Ratio Lower Upper
 75 100
 155 110.5 43.6 130.9
 157 153.4 58.5 175.3

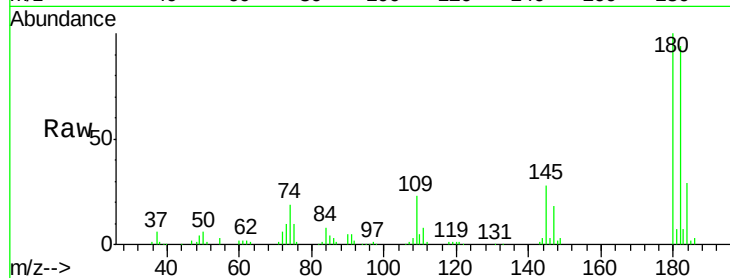




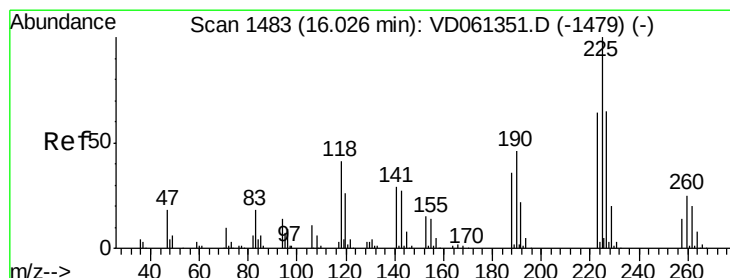
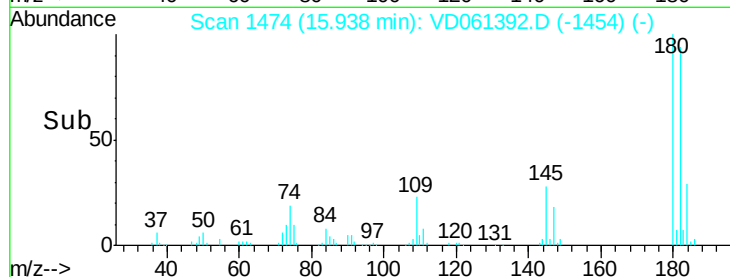
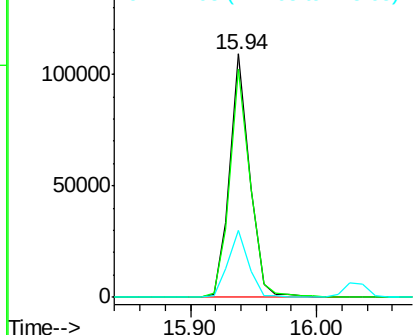
#93
 1,2,4-Trichlorobenzene
 Concen: 20.451 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBSD01

Tot Ion:180 Resp: 119521
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.9 146.8
 145 27.6 14.1 42.3

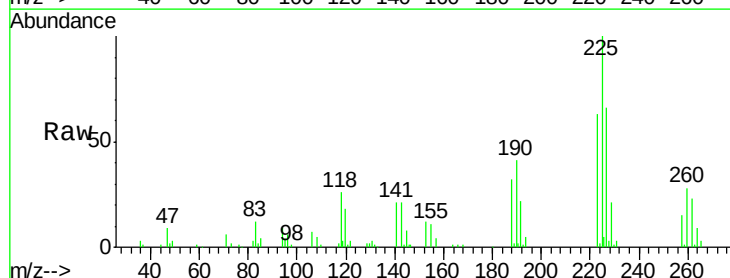


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

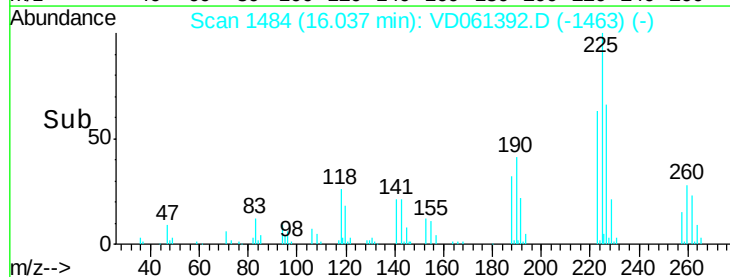
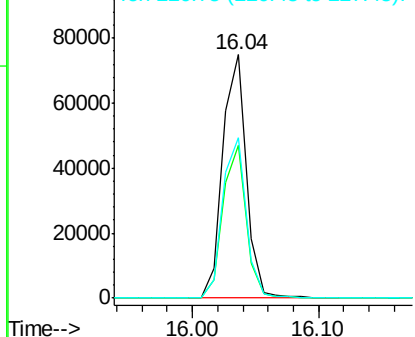


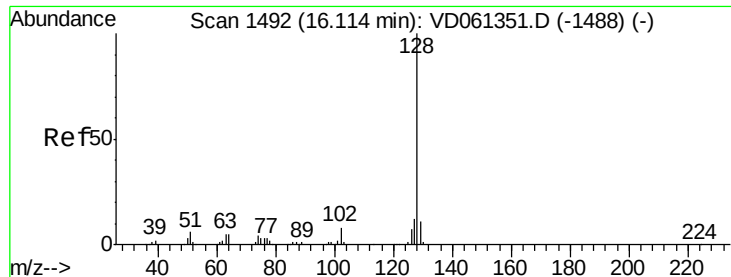
#94
 Hexachlorobutadiene
 Concen: 21.250 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061392.D
 Acq: 28 Mar 2019 15:50

Tgt Ion:225 Resp: 97046
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.0 96.0
 227 66.0 32.4 97.2



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

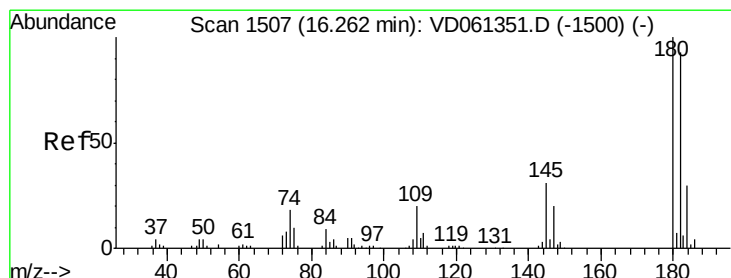
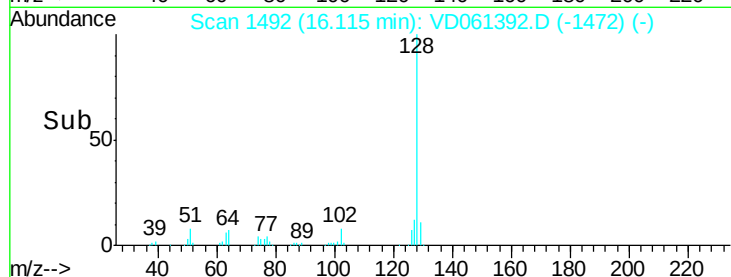
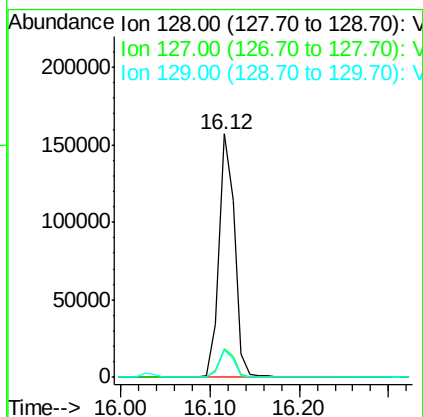
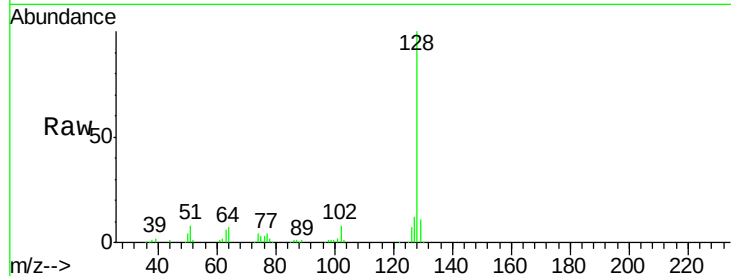




#95
Naphthalene
Concen: 21.733 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :
VD0328SBSD01

Tot Ion:128 Resp: 193598
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 23.566 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061392.D
Acq: 28 Mar 2019 15:50

Tgt Ion:180 Resp: 60604
Ion Ratio Lower Upper
180 100
182 95.0 46.4 139.1
145 33.0 15.3 45.9

