

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061964.D
 Acq On : 23 Apr 2019 11:28
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 11:56:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 11:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	641483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1068674	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	906061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	417947	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	98482	16.34	ug/l	0.00
Spiked Amount			Recovery	=	32.68%	
35) Dibromofluoromethane	6.93	113	149703	18.22	ug/l	0.00
Spiked Amount			Recovery	=	36.44%	
50) Toluene-d8	10.41	98	354920	19.35	ug/l	0.00
Spiked Amount			Recovery	=	38.70%	
62) 4-Bromofluorobenzene	13.55	95	143764	17.90	ug/l	0.00
Spiked Amount			Recovery	=	35.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	98196	15.867	ug/l	94
3) Chloromethane	1.76	50	86358	17.700	ug/l	95
4) Vinyl Chloride	1.86	62	85425	19.532	ug/l	100
5) Bromomethane	2.15	94	21070	15.625	ug/l	92
6) Chloroethane	2.26	64	24901	14.950	ug/l	98
7) Trichlorofluoromethane	2.53	101	118707	16.760	ug/l	98
8) Diethyl Ether	2.87	74	36344	19.572	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	112302	17.823	ug/l	95
10) Methyl Iodide	3.32	142	142366	15.288	ug/l	100
11) Tert butyl alcohol	4.08	59	28294	88.124	ug/l	96
12) 1,1-Dichloroethene	3.13	96	95999	18.808	ug/l	98
13) Acrolein	3.04	56	32406	138.264	ug/l	93
14) Allyl chloride	3.63	41	138086	18.517	ug/l	99
15) Acrylonitrile	4.20	53	86438	86.518	ug/l	98
16) Acetone	3.23	43	106686	95.505	ug/l	100
17) Carbon Disulfide	3.39	76	263101	17.375	ug/l	100
18) Methyl Acetate	3.64	43	46140	16.356	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	196821	16.711	ug/l	96
20) Methylene Chloride	3.82	84	128898	17.955	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	108353	17.416	ug/l	99
22) Diisopropyl ether	5.13	45	316322	17.170	ug/l	99
23) Vinyl Acetate	5.07	43	865962	88.264	ug/l	100
24) 1,1-Dichloroethane	4.99	63	199789	18.426	ug/l	98
25) 2-Butanone	6.08	43	140790	90.463	ug/l	98
26) 2,2-Dichloropropane	6.03	77	162905	18.200	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	133958	18.246	ug/l	95
28) Bromochloromethane	6.45	49	84386	19.747	ug/l	94
29) Tetrahydrofuran	6.46	42	71935	88.779	ug/l	97
30) Chloroform	6.67	83	229497	18.037	ug/l	99
31) Cyclohexane	6.97	56	147051	19.100	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	196251	17.640	ug/l	97
36) 1,1-Dichloropropene	7.16	75	164121	19.170	ug/l	94
37) Ethyl Acetate	6.19	43	68019	17.208	ug/l	95
38) Carbon Tetrachloride	7.13	117	190418	17.421	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	155283	18.387	ug/l	94
40) Benzene	7.46	78	386578	17.966	ug/l	96
41) Methacrylonitrile	6.46	41	82185	17.566	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	139707	17.685	ug/l	98
43) Isopropyl Acetate	9.24	43	101092	17.554	ug/l	92
44) Trichloroethene	8.54	130	149085	18.650	ug/l	94
45) 1,2-Dichloropropane	8.95	63	99879	18.203	ug/l	96
46) Dibromomethane	9.08	93	72289	17.366	ug/l	92
47) Bromodichloromethane	9.38	83	164086	17.203	ug/l	98
48) Methyl methacrylate	9.12	41	60237	18.333	ug/l	93
49) 1,4-Dioxane	9.09	88	12672	373.234	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	324645	88.239	ug/l	99
52) Toluene	10.51	92	268143	19.368	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	144756	17.093	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	174946	17.782	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	87937	17.651	ug/l	92
56) Ethyl methacrylate	11.04	69	94312	17.821	ug/l	96
57) 1,3-Dichloropropane	11.41	76	120598	16.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	270384	106.488	ug/l	100
59) 2-Hexanone	11.54	43	228321	88.212	ug/l	95
60) Dibromochloromethane	11.69	129	141660	17.664	ug/l	100
61) 1,2-Dibromoethane	11.81	107	105584	17.687	ug/l	96
64) Tetrachloroethene	11.26	164	119000	18.037	ug/l	97
65) Chlorobenzene	12.40	112	315787	18.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	131618	18.336	ug/l	96
67) Ethyl Benzene	12.53	91	488630	18.507	ug/l	98
68) m/p-Xylenes	12.67	106	359549	35.602	ug/l	99
69) o-Xylene	13.05	106	181295	18.863	ug/l	99
70) Styrene	13.07	104	312075	18.764	ug/l	98
71) Bromoform	13.24	173	78782	17.780	ug/l #	96
73) Isopropylbenzene	13.41	105	535246	20.083	ug/l	98
74) N-amyl acetate	13.27	43	131930	18.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	99105	17.251	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	94398	17.009	ug/l	97
77) Bromobenzene	13.67	156	131502	16.758	ug/l	94
78) n-propylbenzene	13.78	91	582998	18.427	ug/l	97
79) 2-Chlorotoluene	13.84	91	330672	17.489	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	389080	17.441	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	30693	18.705	ug/l	95
82) 4-Chlorotoluene	13.95	91	381674	17.916	ug/l	91
83) tert-Butylbenzene	14.19	119	454977	17.966	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	422646	19.318	ug/l	99
85) sec-Butylbenzene	14.37	105	533435	19.570	ug/l	99
86) p-Isopropyltoluene	14.49	119	432357	17.325	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	233428	16.450	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	248973	18.609	ug/l	97
89) n-Butylbenzene	14.80	91	373994	16.470	ug/l	97
90) Hexachloroethane	15.01	117	120375	17.271	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	207278	17.036	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12183	15.913	ug/l	94

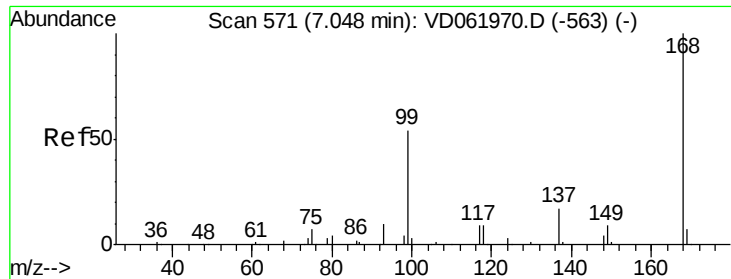
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	113044	18.529	ug/l	94
94) Hexachlorobutadiene	16.04	225	72680	16.365	ug/l	99
95) Naphthalene	16.12	128	186666	19.056	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	64430	18.985	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

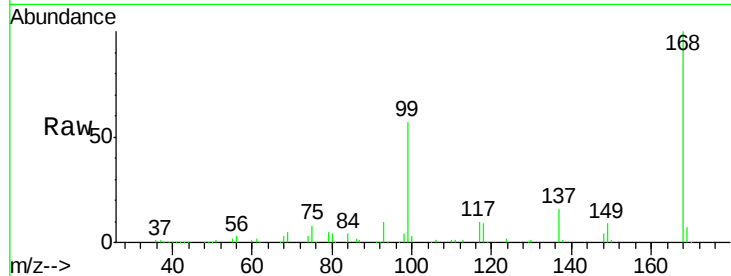
VSTDIC020

Tot Ion:168 Resp: 641483

Ion Ratio Lower Upper

168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

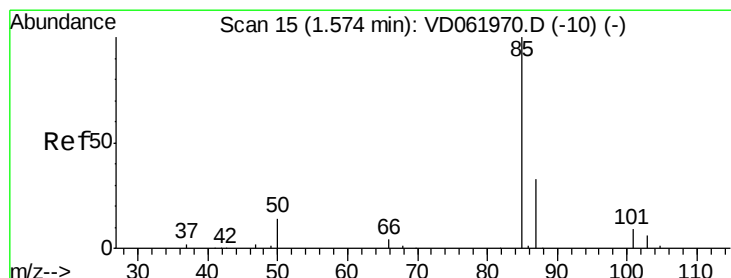
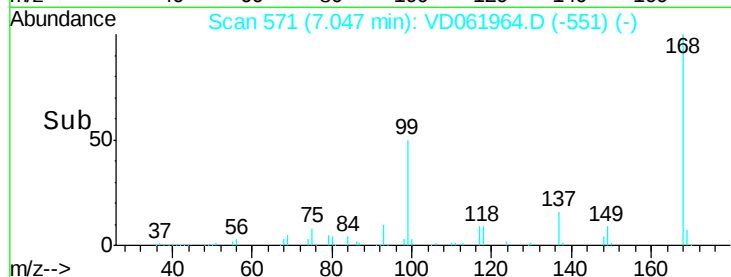
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 15.867 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061964.D

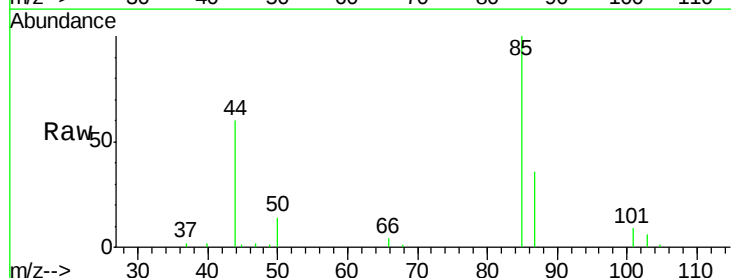
Acq: 23 Apr 2019 11:28

Tgt Ion: 85 Resp: 98196

Ion Ratio Lower Upper

85 100

87 35.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

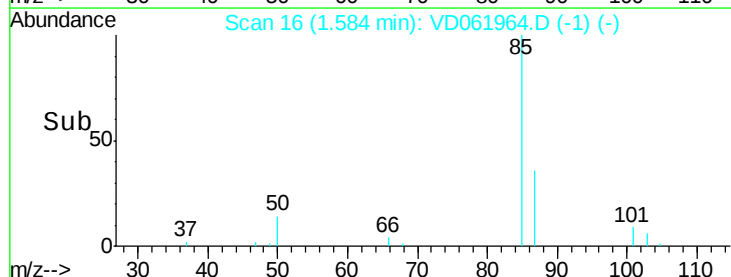
20000

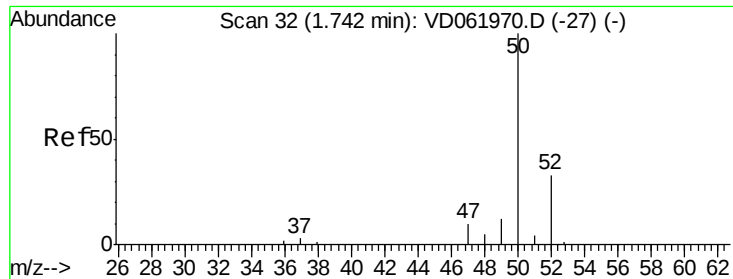
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.700 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

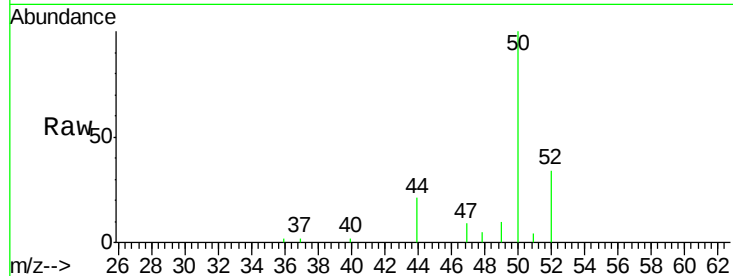
VSTDIC020

Tot Ion: 50 Resp: 86358

Ion Ratio Lower Upper

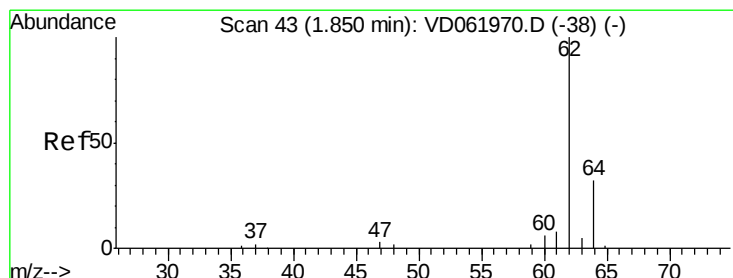
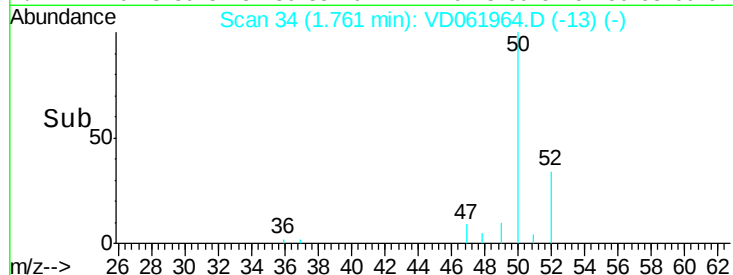
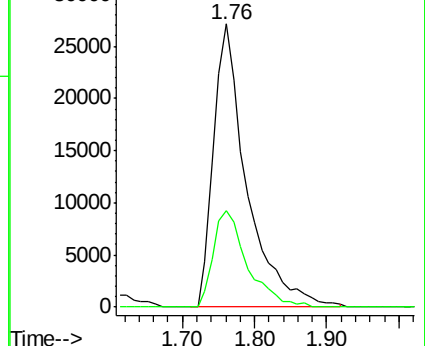
50 100

52 34.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.532 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061964.D

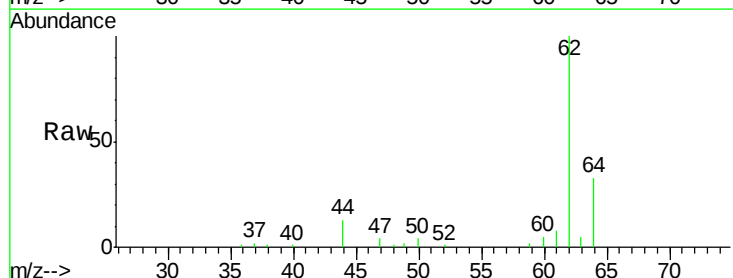
Acq: 23 Apr 2019 11:28

Tgt Ion: 62 Resp: 85425

Ion Ratio Lower Upper

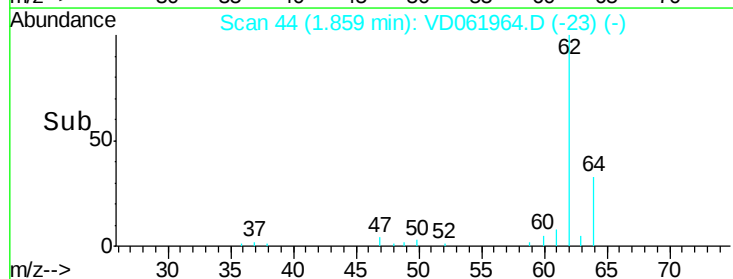
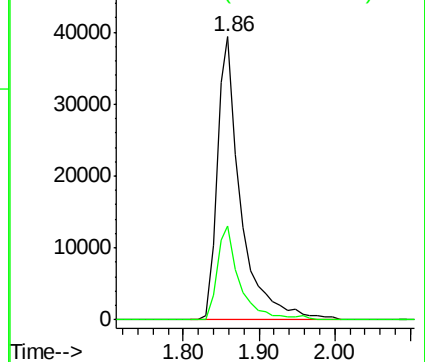
62 100

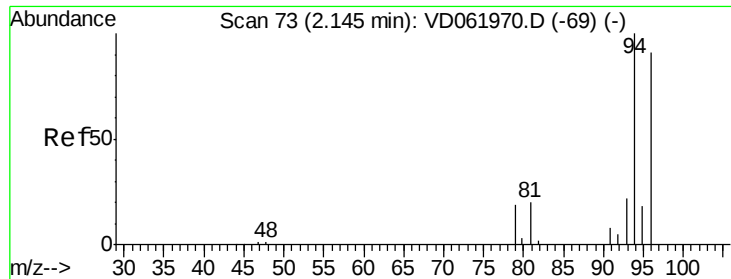
64 33.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.625 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

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ClientSampleId :

VSTDIC020

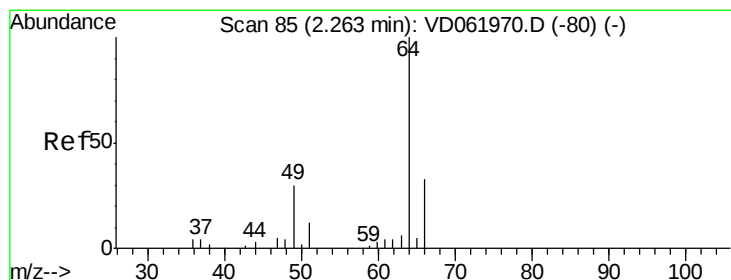
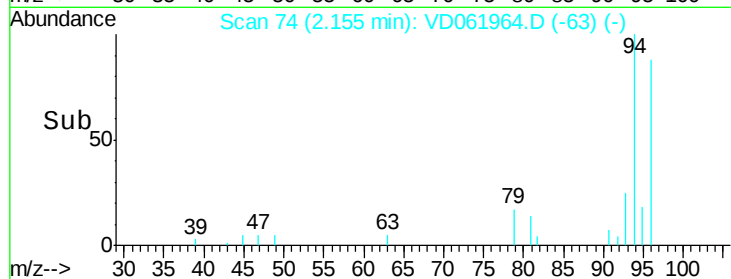
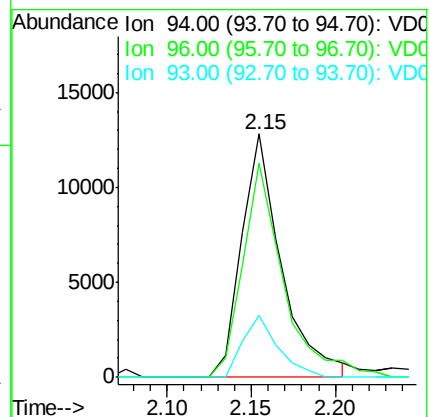
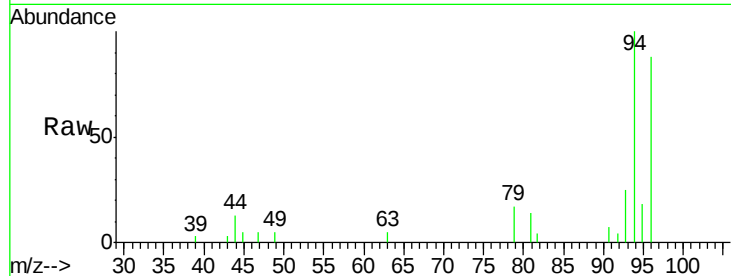
Tot Ion: 94 Resp: 21070

Ion Ratio Lower Upper

94 100

96 87.7 76.6 115.0

93 25.4 18.5 27.7



#6

Chloroethane

Concen: 14.950 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD061964.D

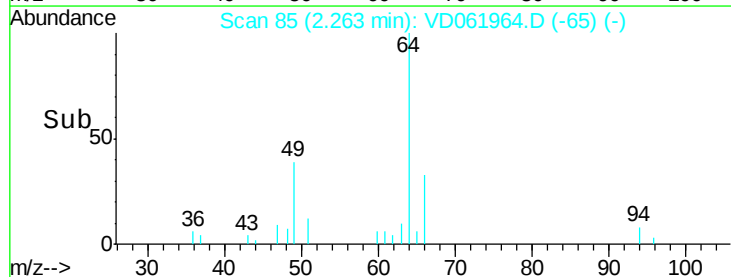
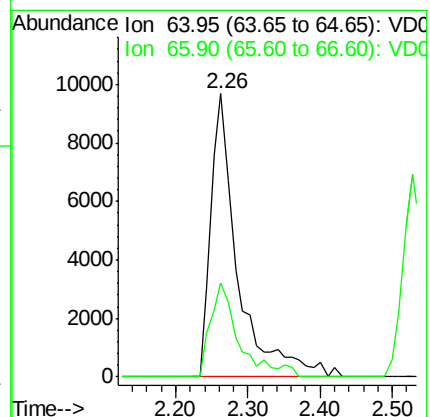
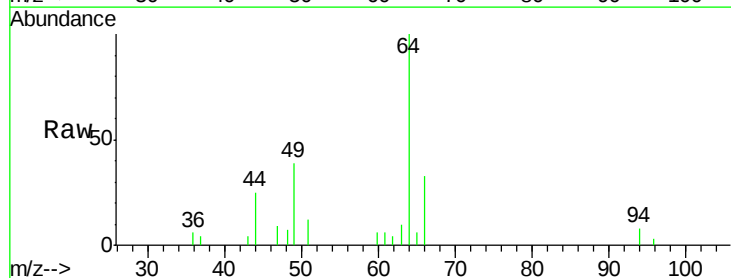
Acq: 23 Apr 2019 11:28

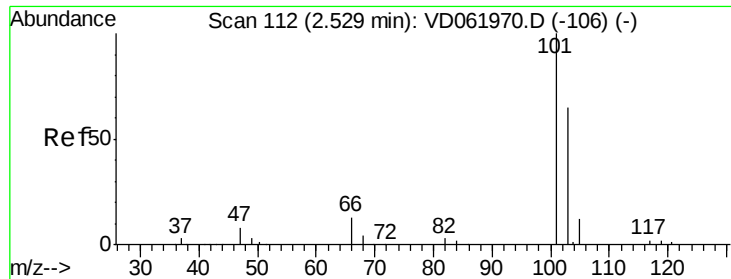
Tgt Ion: 64 Resp: 24901

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4



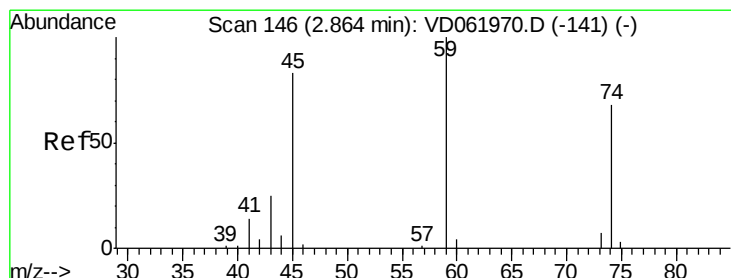
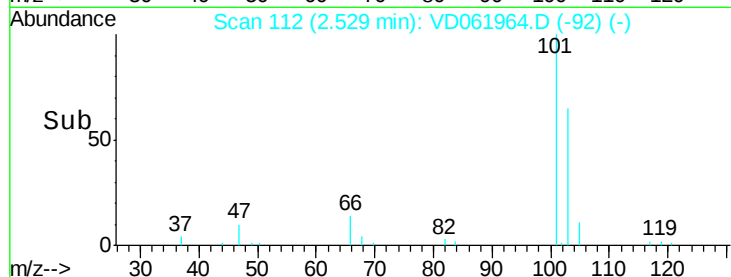
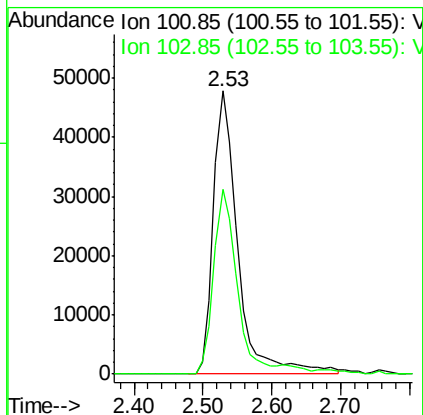
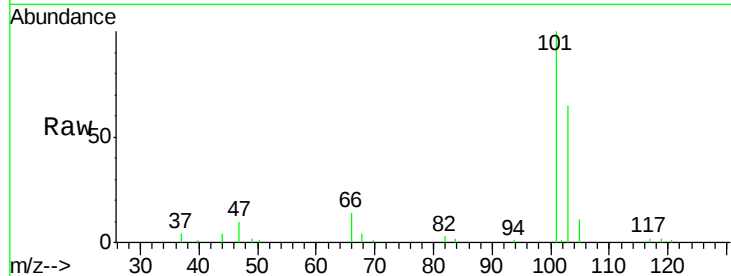


#7

Trichlorofluoromethane
 Concen: 16.760 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

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 VSTDIC020

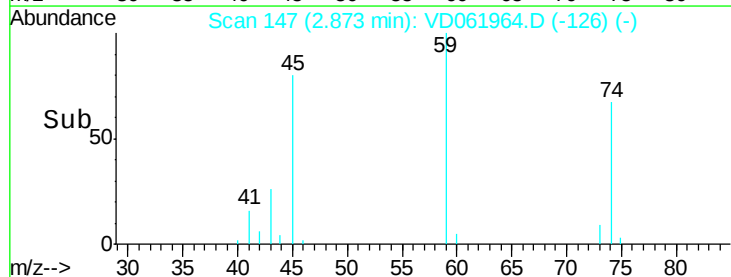
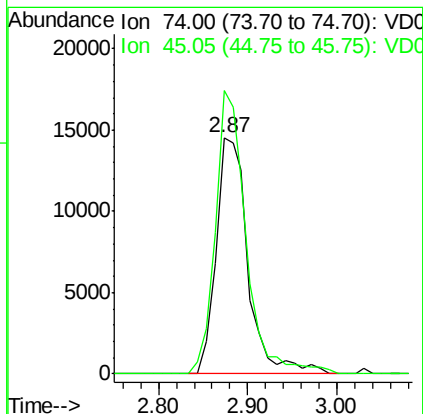
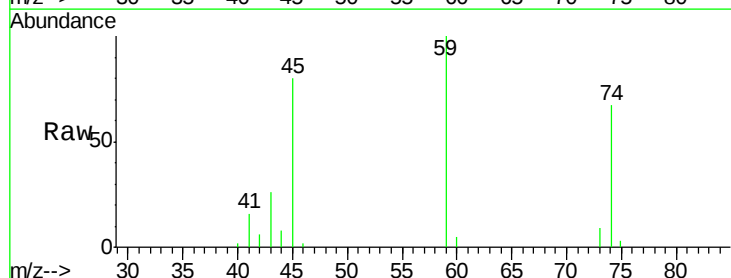
Tot Ion:101 Resp: 118707
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.6 80.4

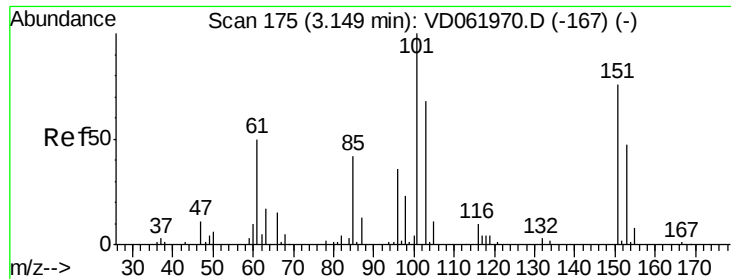


#8

Diethyl Ether
 Concen: 19.572 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 74 Resp: 36344
 Ion Ratio Lower Upper
 74 100
 45 119.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.823 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

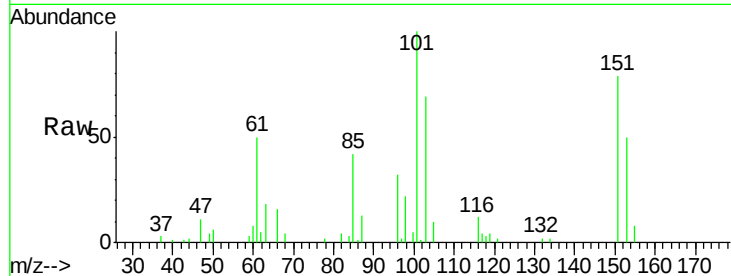
Tot Ion:101 Resp: 112302

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

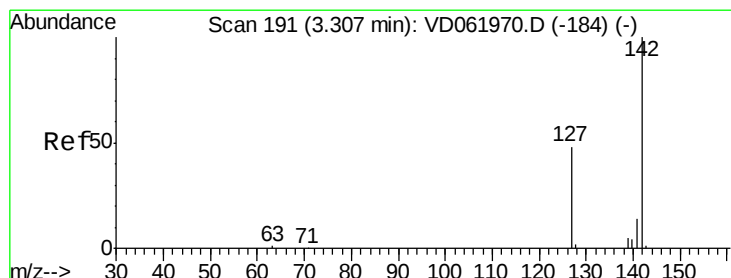
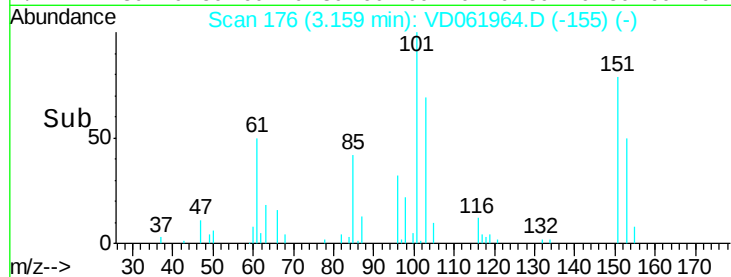
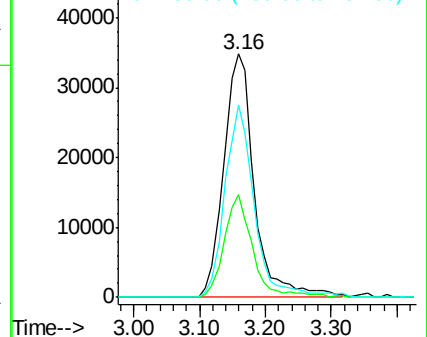
151 79.1 59.4 89.0



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: 15.288 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

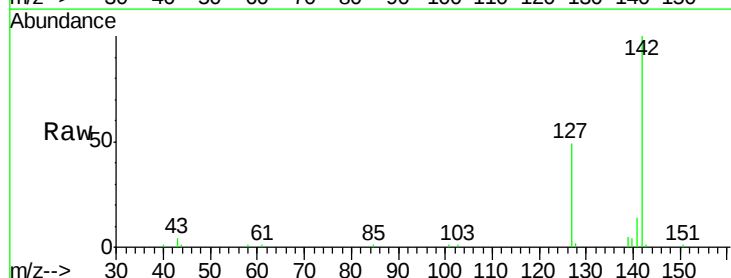
Tgt Ion:142 Resp: 142366

Ion Ratio Lower Upper

142 100

127 48.8 38.8 58.2

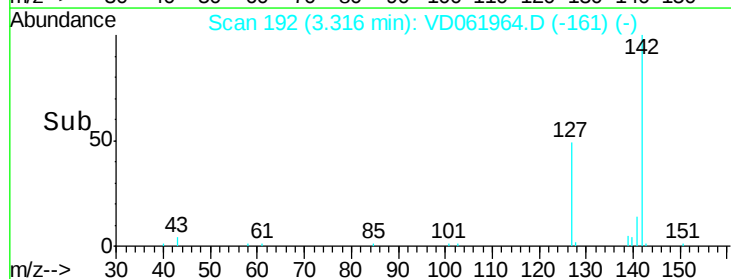
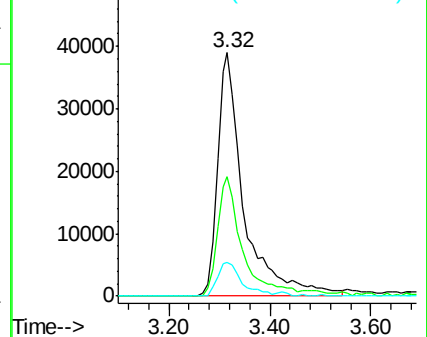
141 14.0 11.4 17.0

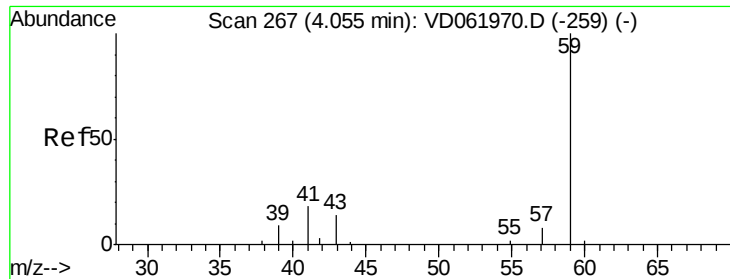


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



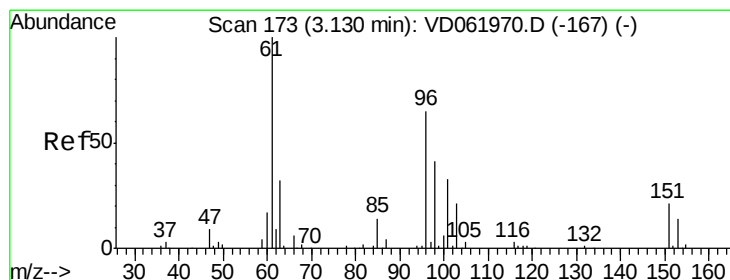
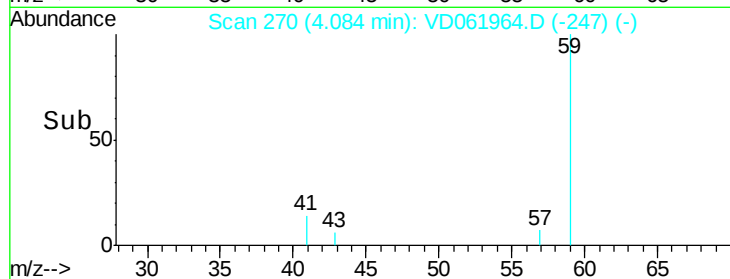
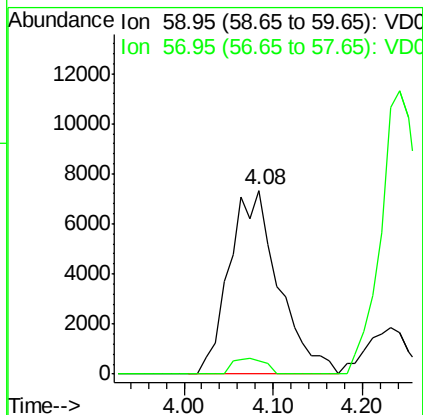
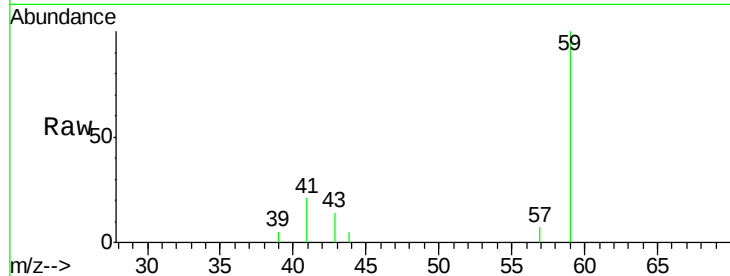


#11

Tert butyl alcohol
 Concen: 88.124 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.03 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

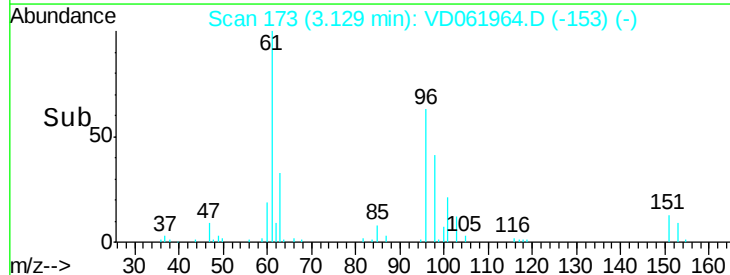
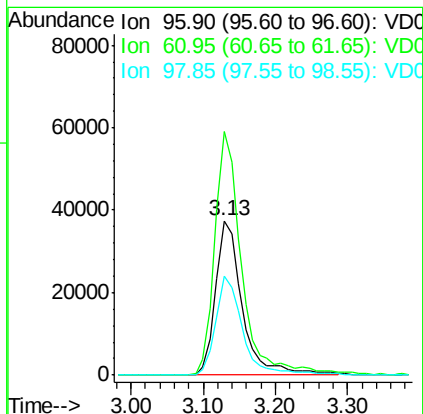
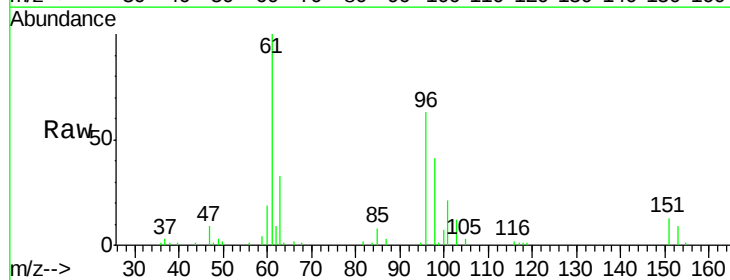
Tot Ion: 59 Resp: 28294
 Ion Ratio Lower Upper
 59 100
 57 7.1 6.9 10.3

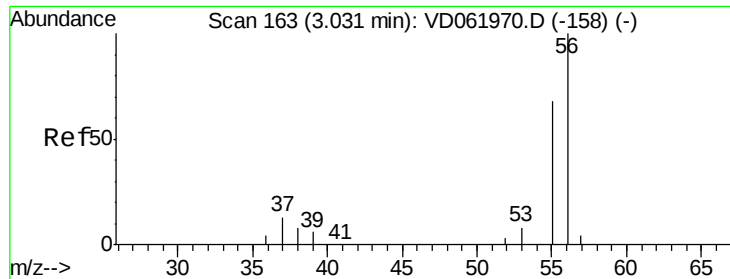


#12

1,1-Dichloroethene
 Concen: 18.808 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 96 Resp: 95999
 Ion Ratio Lower Upper
 96 100
 61 157.9 129.8 194.8
 98 64.4 51.2 76.8





#13

Acrolein

Concen: 138.264 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

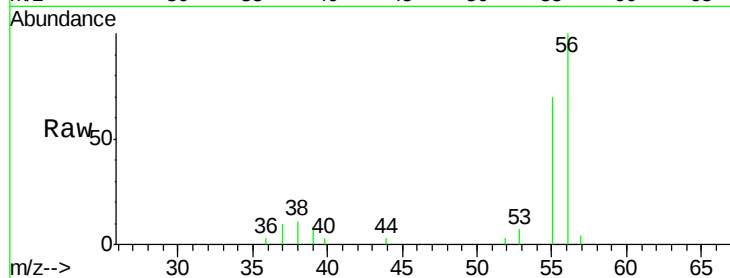
VSTDIC020

Tot Ion: 56 Resp: 32406

Ion Ratio Lower Upper

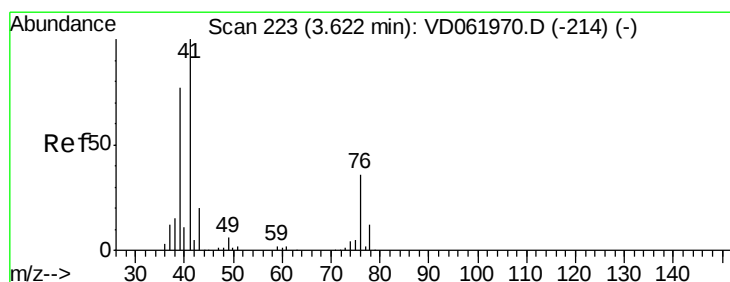
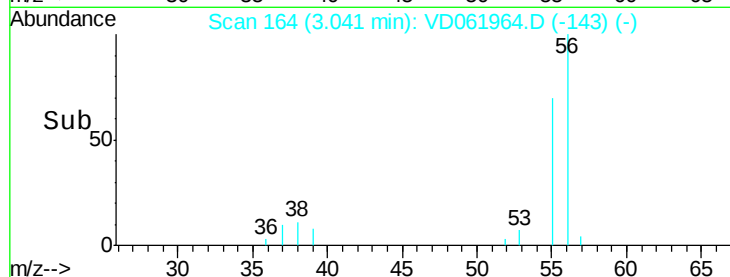
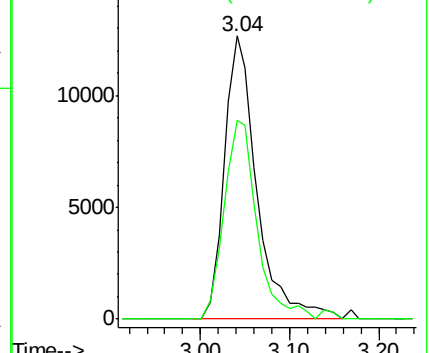
56 100

55 70.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.517 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

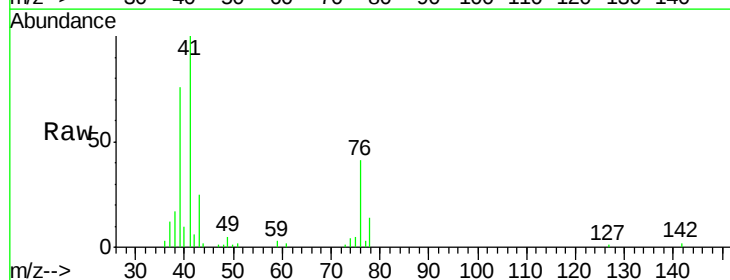
Tgt Ion: 41 Resp: 138086

Ion Ratio Lower Upper

41 100

39 76.4 60.5 90.7

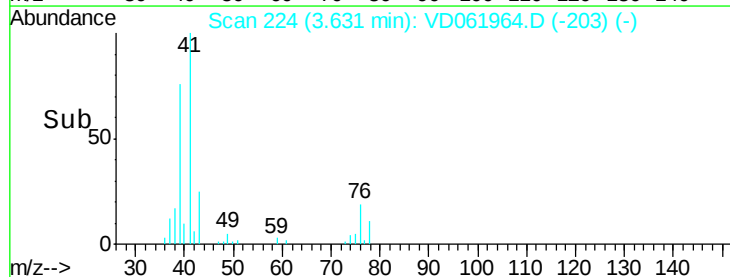
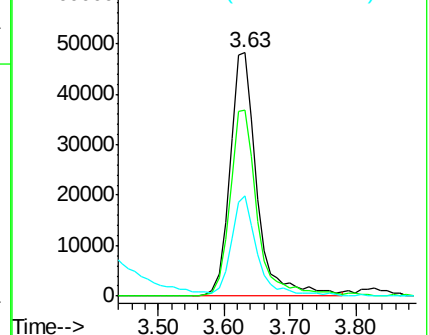
76 41.0 31.8 47.8

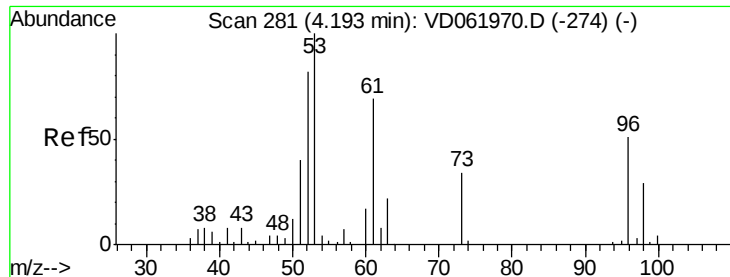


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 86.518 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

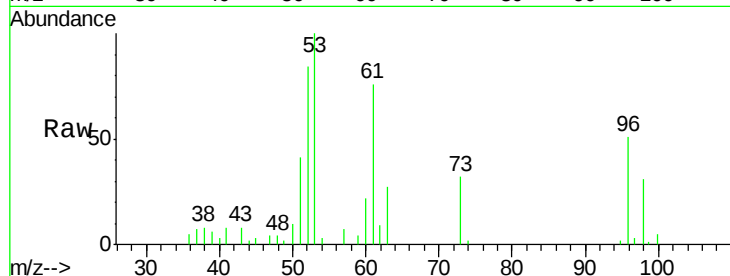
Tot Ion: 53 Resp: 86438

Ion Ratio Lower Upper

53 100

52 84.2 65.0 97.4

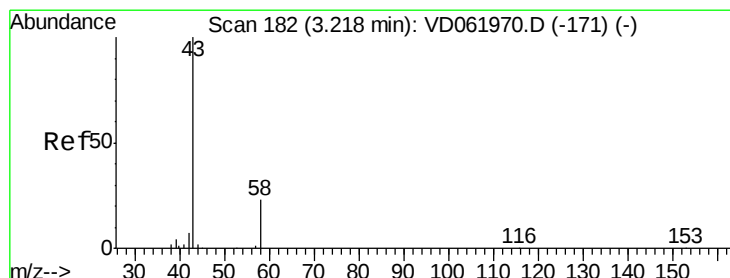
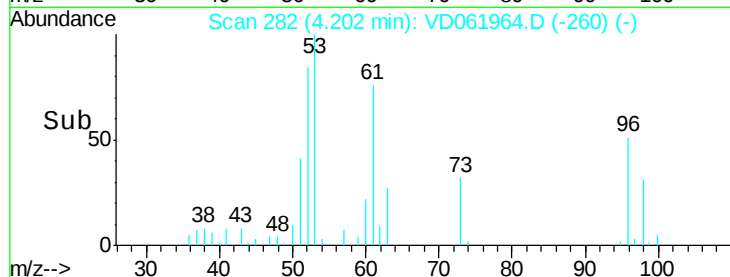
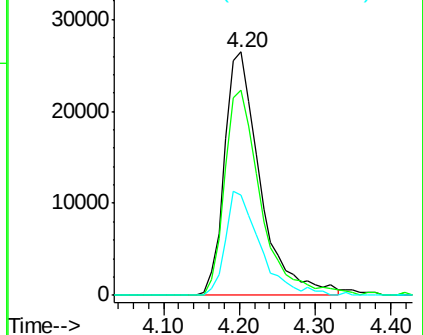
51 41.1 32.6 48.8



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: 95.505 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061964.D

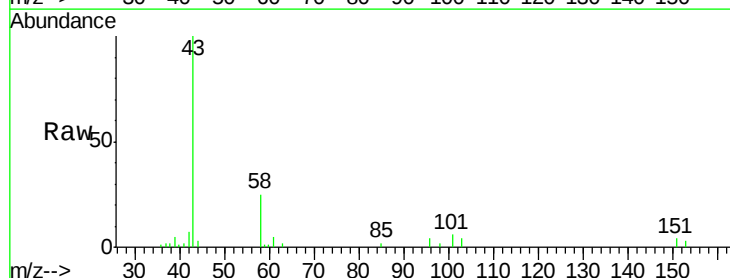
Acq: 23 Apr 2019 11:28

Tgt Ion: 43 Resp: 106686

Ion Ratio Lower Upper

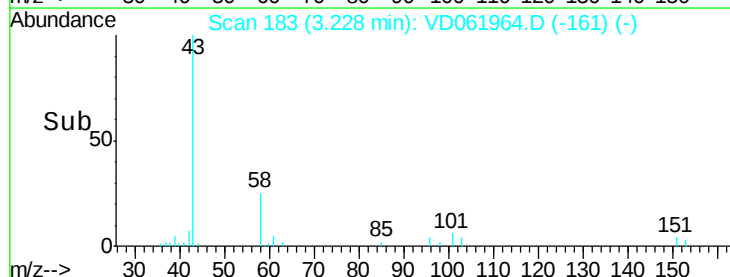
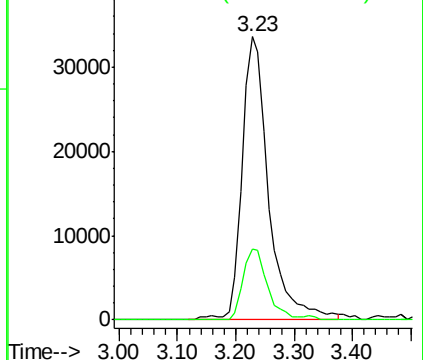
43 100

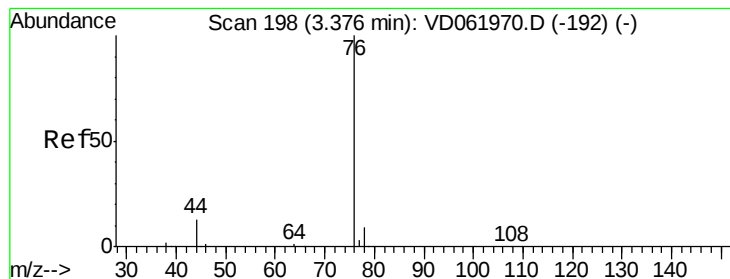
58 25.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.375 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

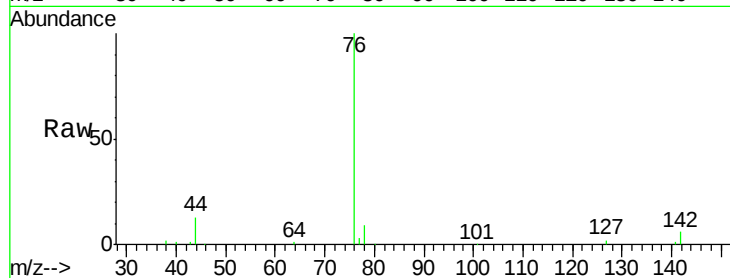
VSTDIC020

Tot Ion: 76 Resp: 263101

Ion Ratio Lower Upper

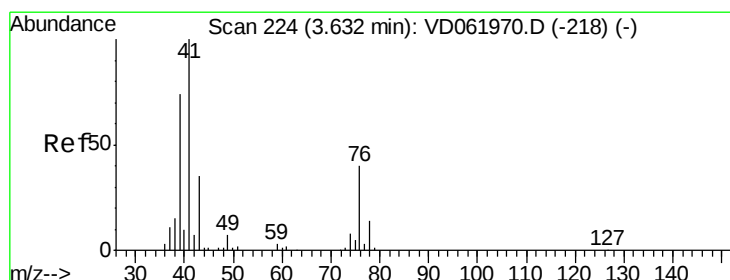
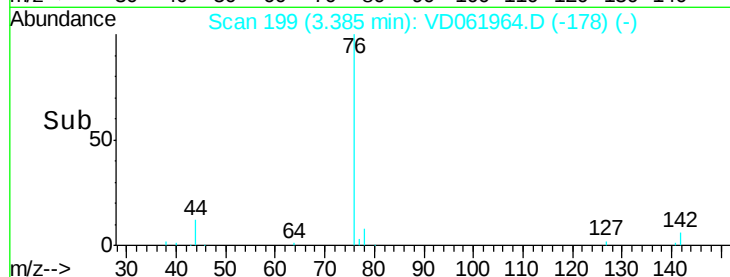
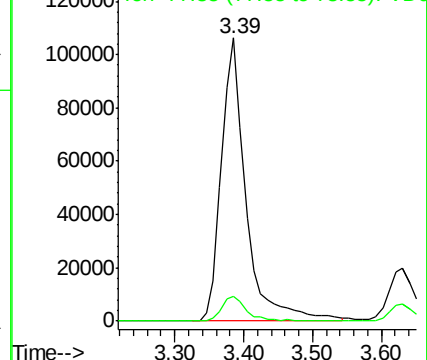
76 100

78 9.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 16.356 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061964.D

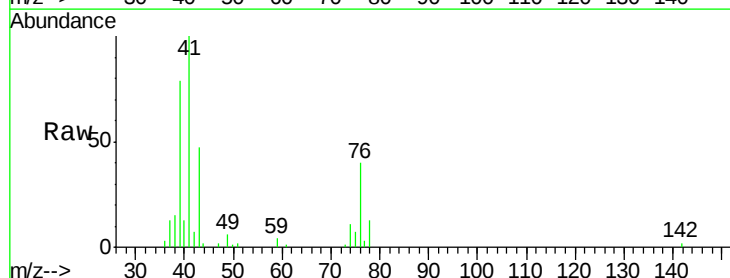
Acq: 23 Apr 2019 11:28

Tgt Ion: 43 Resp: 46140

Ion Ratio Lower Upper

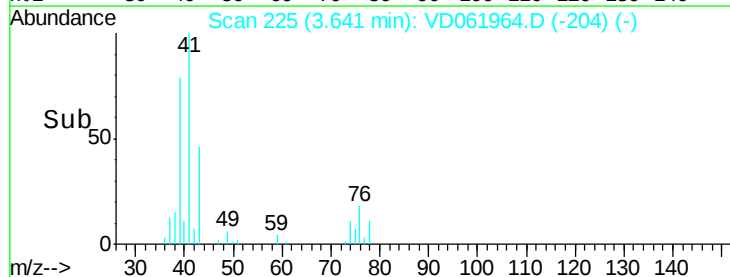
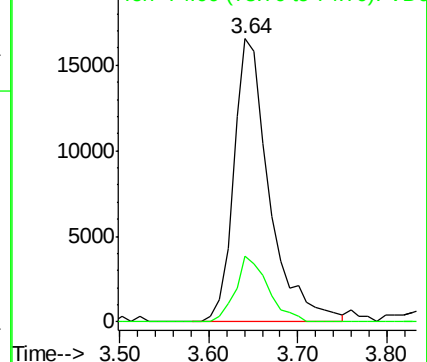
43 100

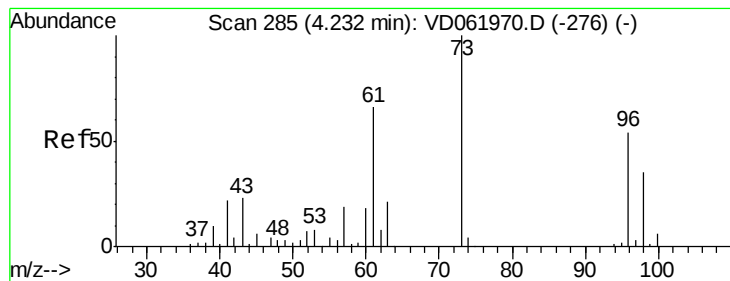
74 23.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



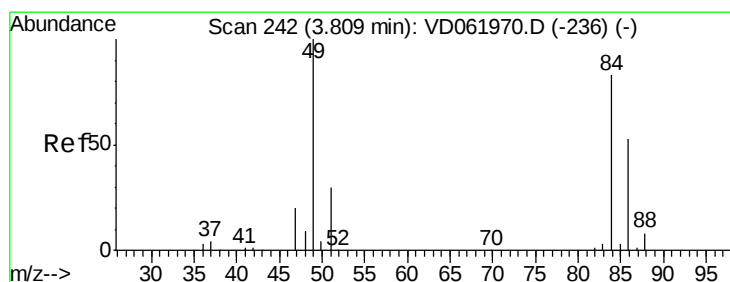
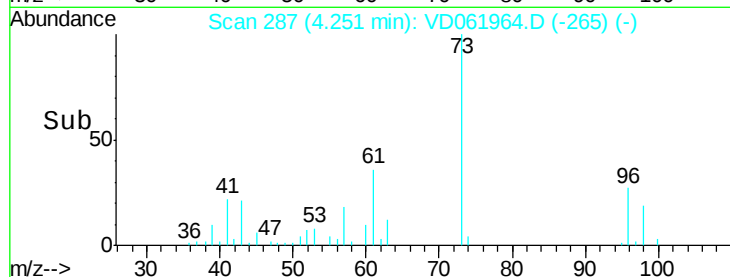
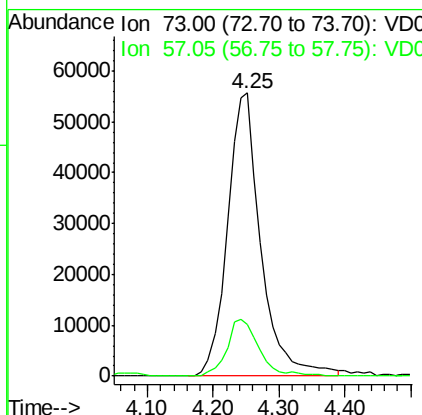
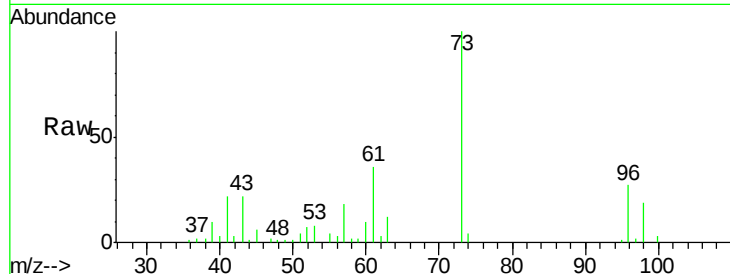


#19

Methyl tert-butyl Ether
 Concen: 16.711 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

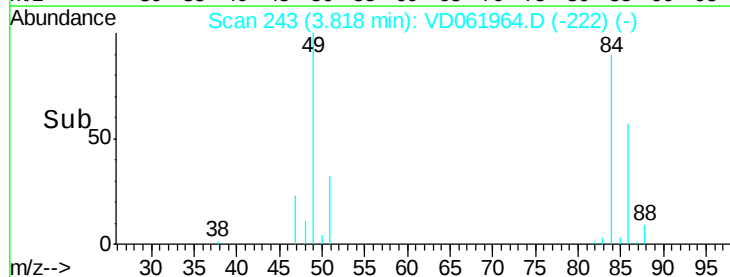
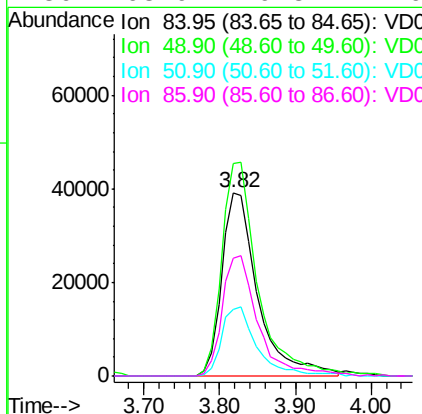
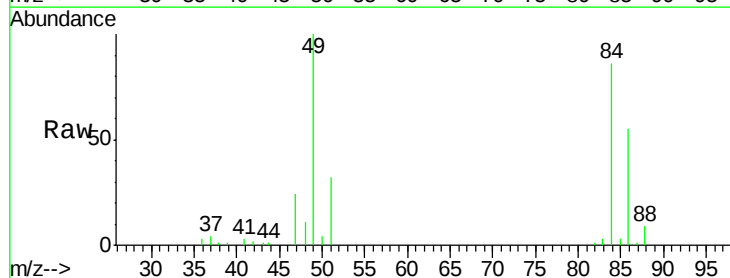
Tot Ion: 73 Resp: 196821
 Ion Ratio Lower Upper
 73 100
 57 18.4 16.3 24.5

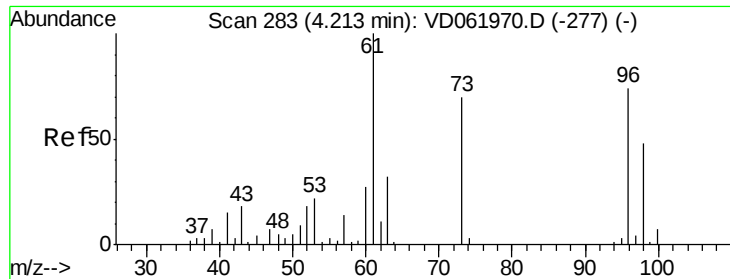


#20

Methylene Chloride
 Concen: 17.955 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 84 Resp: 128898
 Ion Ratio Lower Upper
 84 100
 49 115.7 94.0 141.0
 51 36.5 29.0 43.4
 86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.416 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

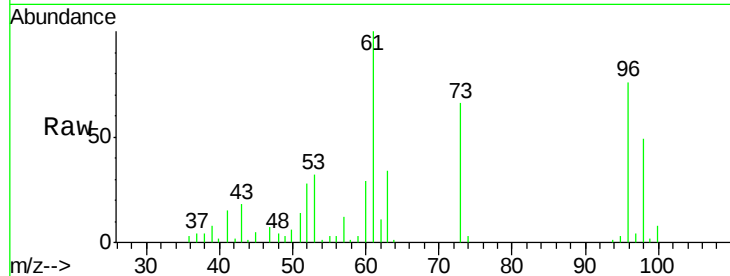
Tot Ion: 96 Resp: 108353

Ion Ratio Lower Upper

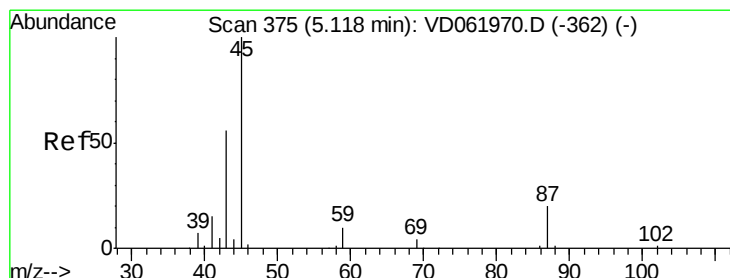
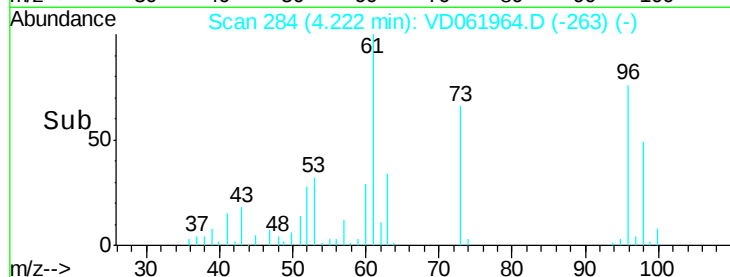
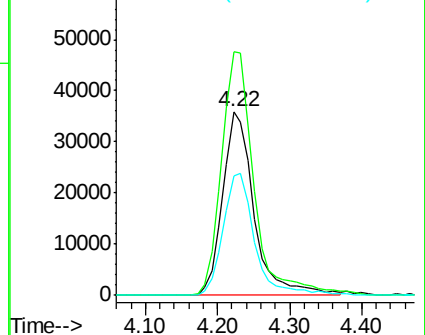
96 100

61 132.3 104.4 156.6

98 64.9 51.8 77.8



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



#22

Diisopropyl ether

Concen: 17.170 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Tgt Ion: 45 Resp: 316322

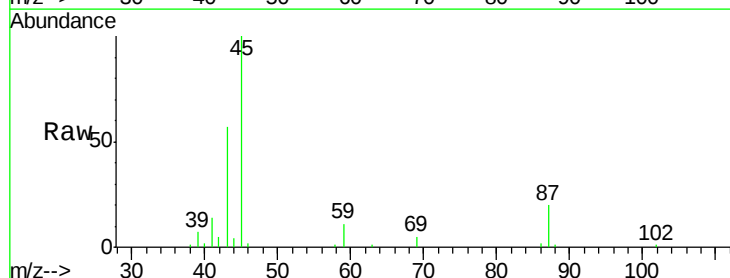
Ion Ratio Lower Upper

45 100

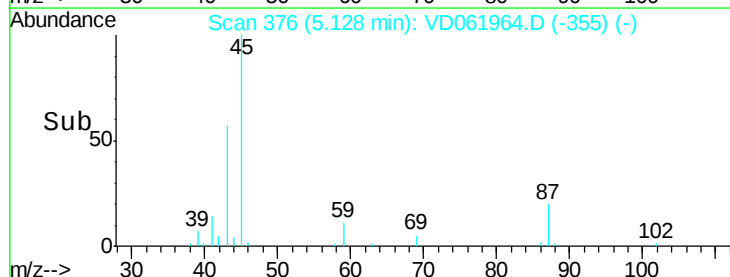
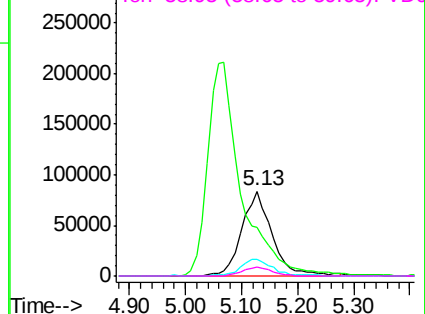
43 57.3 46.2 69.2

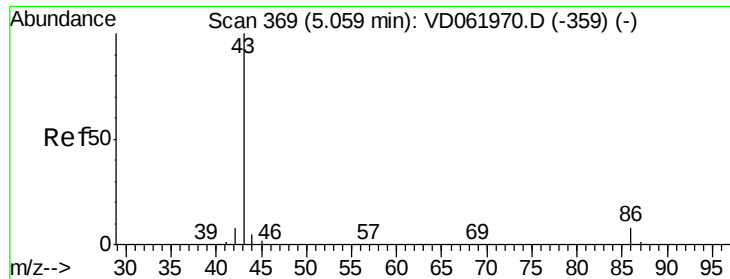
87 20.1 15.9 23.9

59 10.8 7.9 11.9



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

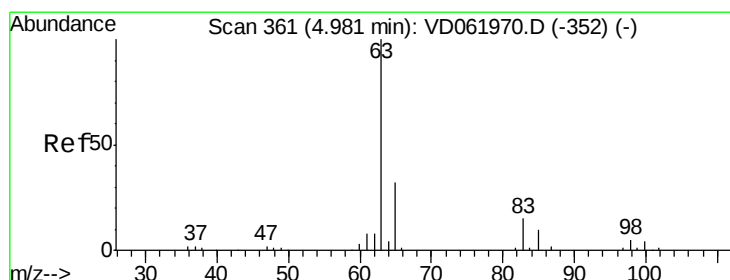
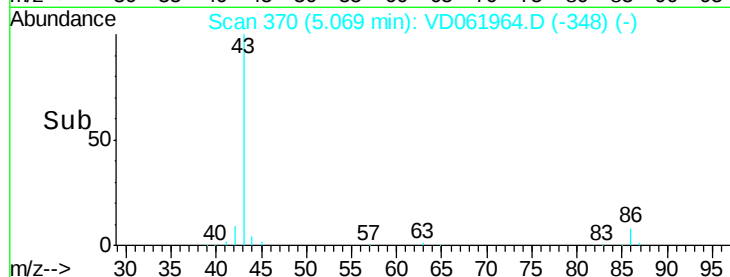
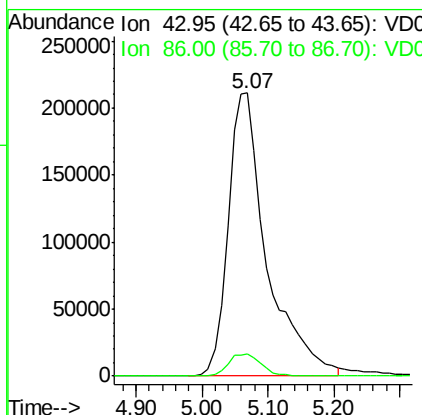
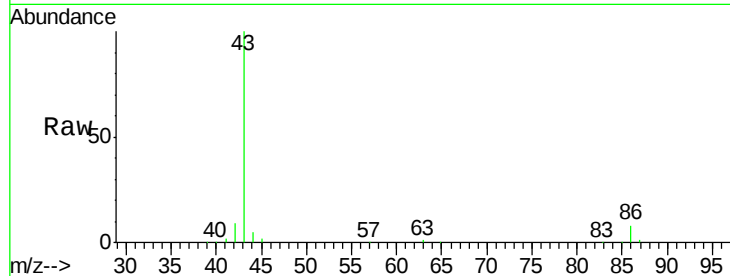




#23
 Vinyl Acetate
 Concen: 88.264 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

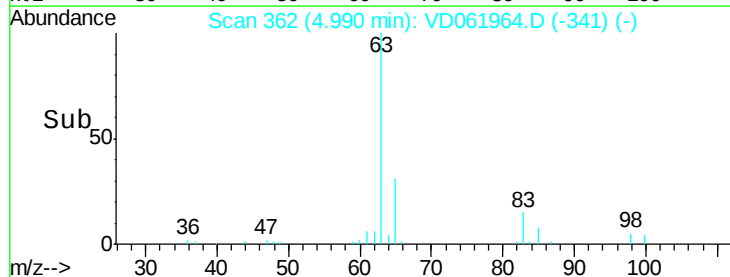
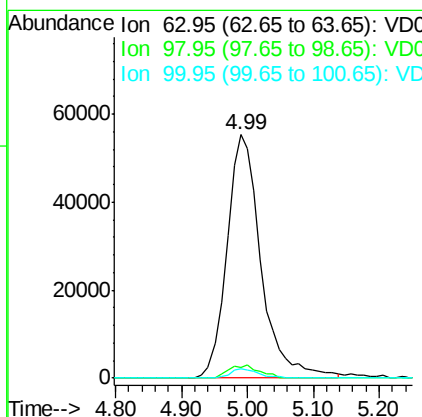
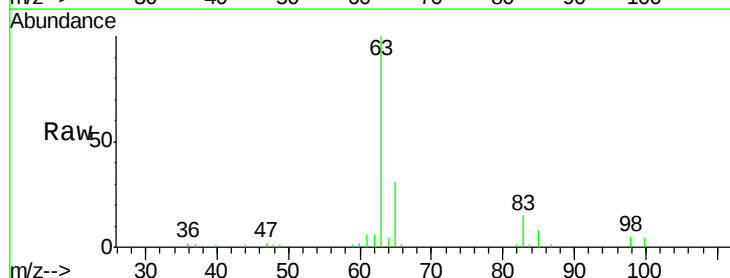
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

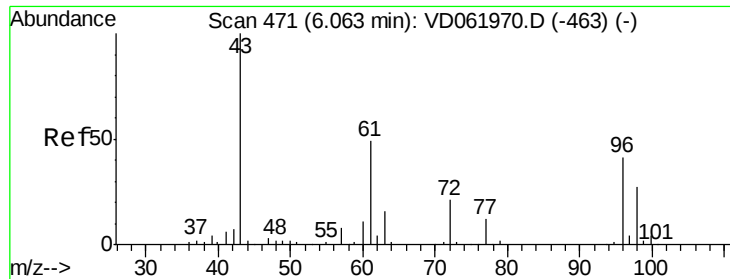
Tot Ion: 43 Resp: 865962
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 18.426 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 63 Resp: 199789
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 3.7 1.8 5.5

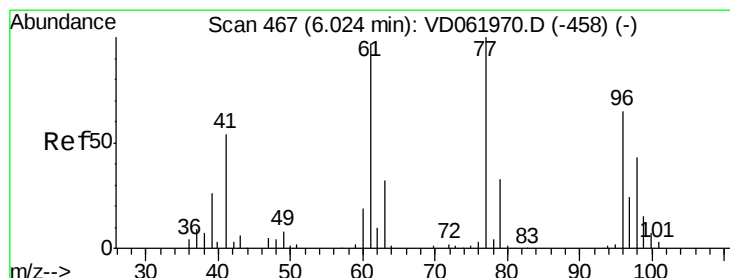
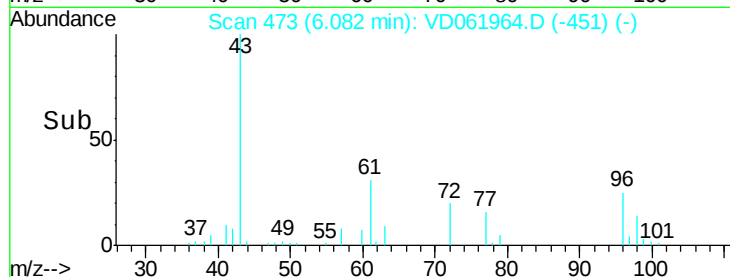
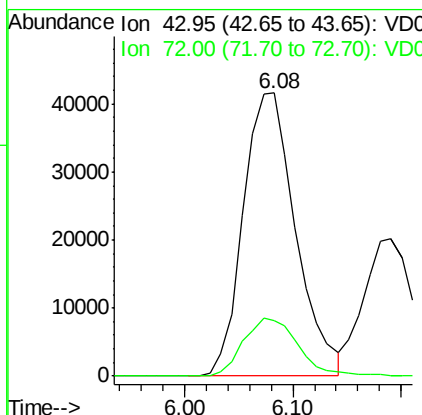
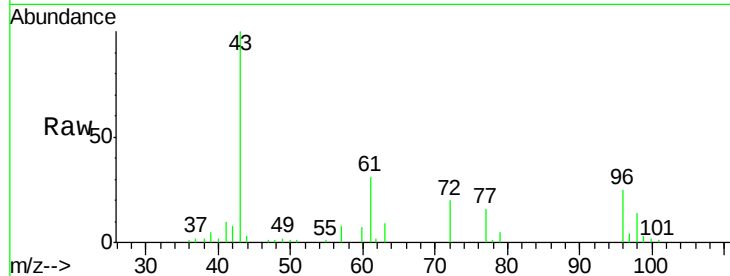




#25
2-Butanone
Concen: 90.463 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

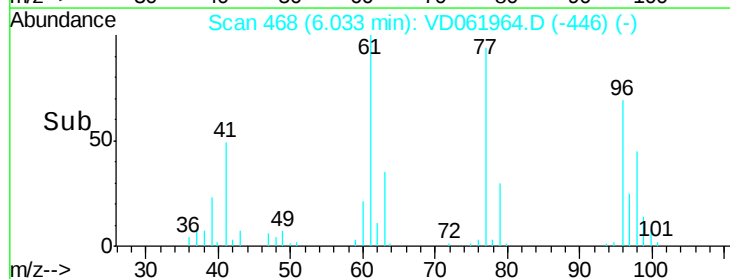
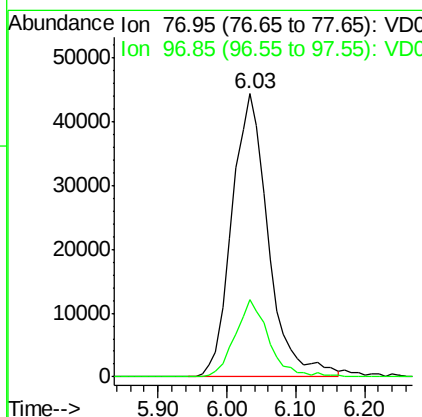
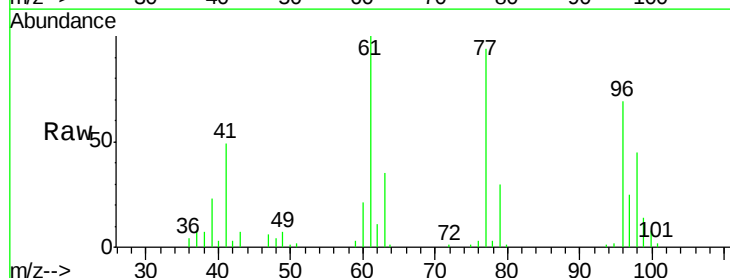
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

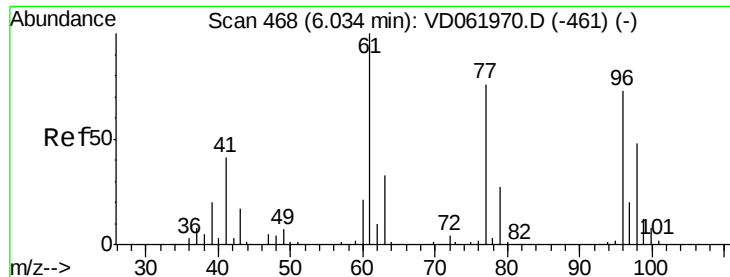
Tot Ion: 43 Resp: 140790
Ion Ratio Lower Upper
43 100
72 19.5 16.2 24.4



#26
2,2-Dichloropropane
Concen: 18.200 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 77 Resp: 162905
Ion Ratio Lower Upper
77 100
97 27.2 11.9 35.9



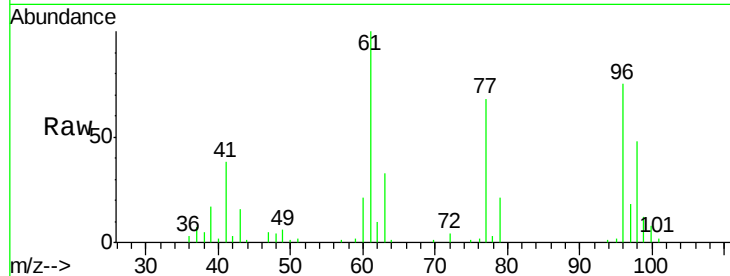


#27

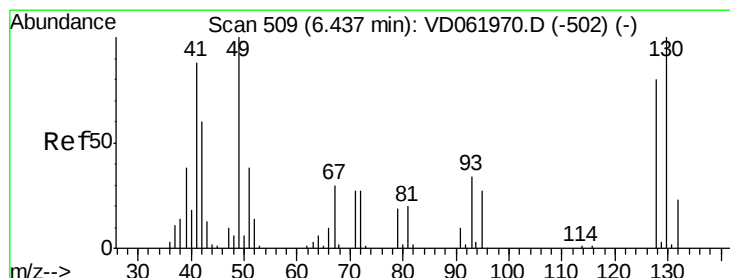
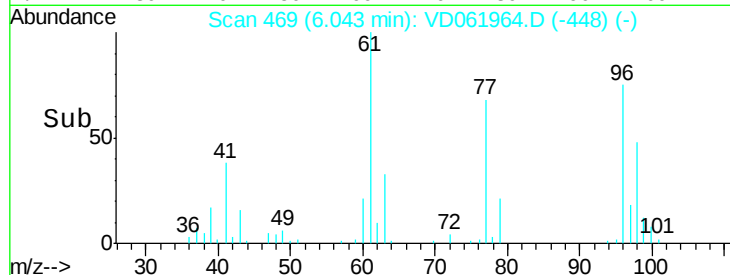
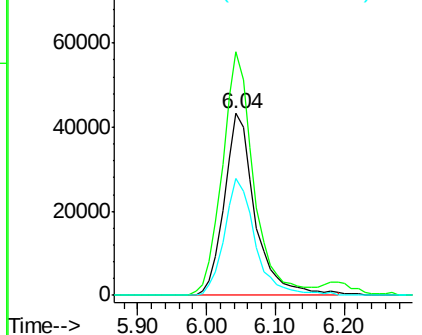
cis-1,2-Dichloroethene
Concen: 18.246 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 133958
Ion Ratio Lower Upper
96 100
61 133.7 0.0 279.8
98 64.0 0.0 136.0



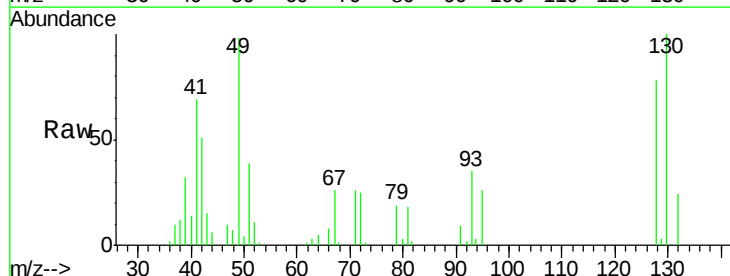
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



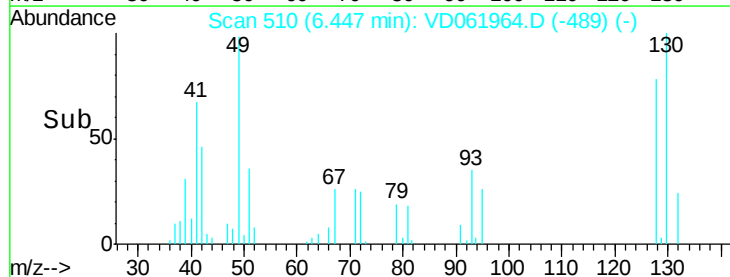
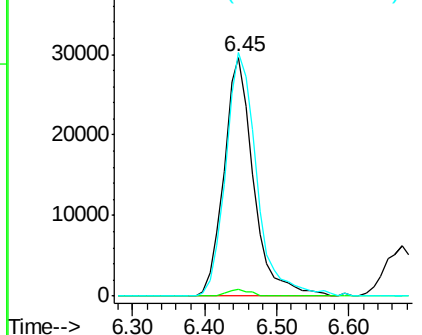
#28

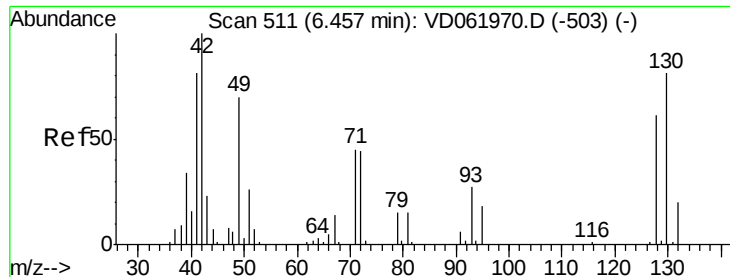
Bromochloromethane
Concen: 19.747 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 49 Resp: 84386
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.6
130 102.0 86.7 130.1



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: 88.779 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

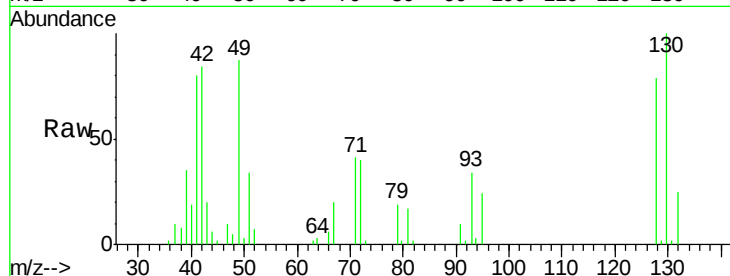
Tot Ion: 42 Resp: 71935

Ion Ratio Lower Upper

42 100

72 49.0 37.8 56.6

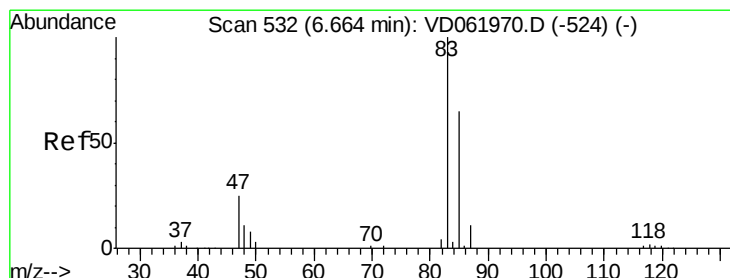
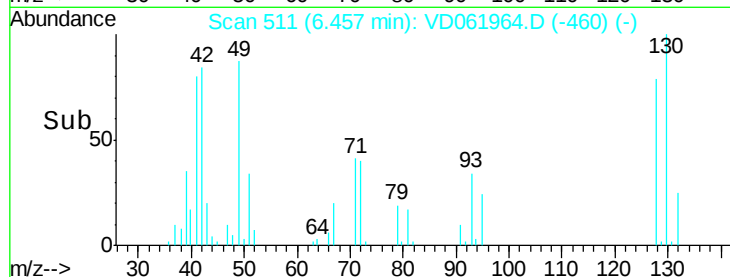
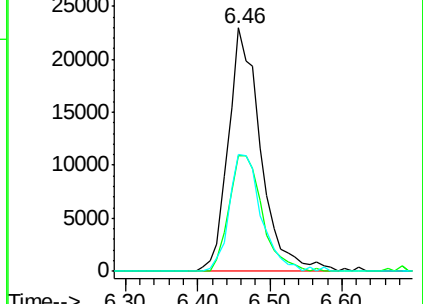
71 47.7 36.7 55.1



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: 18.037 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061964.D

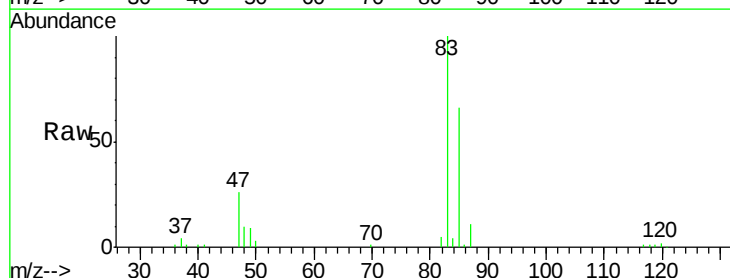
Acq: 23 Apr 2019 11:28

Tgt Ion: 83 Resp: 229497

Ion Ratio Lower Upper

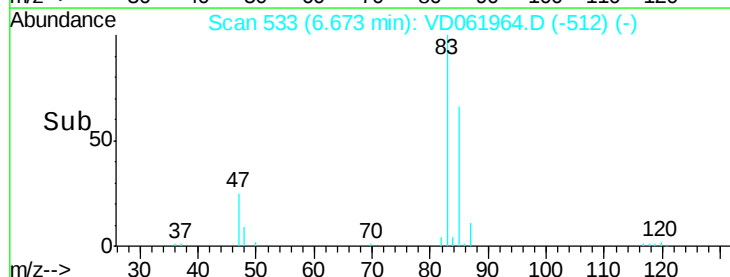
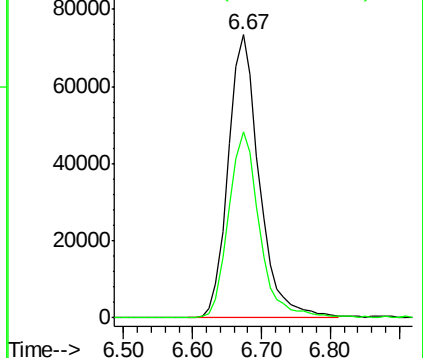
83 100

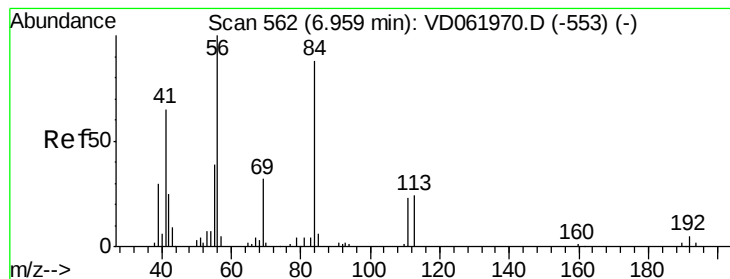
85 65.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.100 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

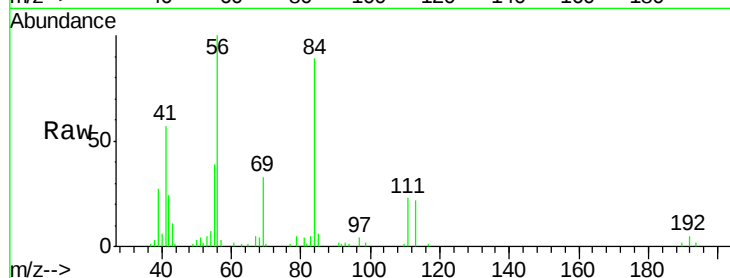
Tot Ion: 56 Resp: 147051

Ion Ratio Lower Upper

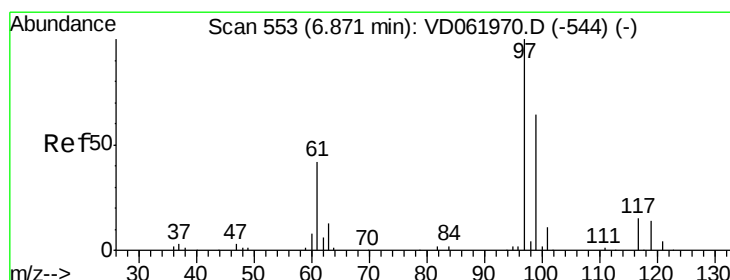
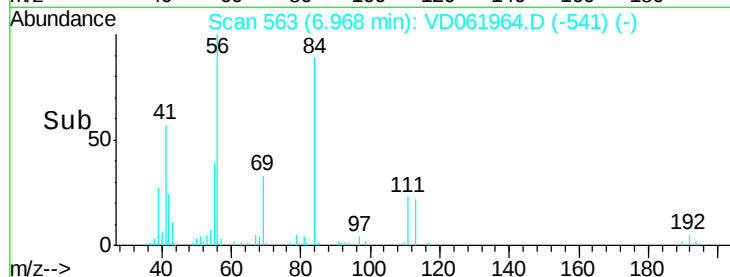
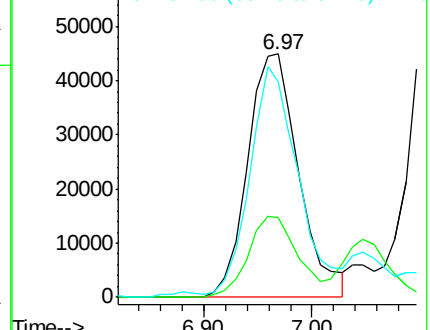
56 100

69 32.5 25.8 38.6

84 88.6 72.2 108.4



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: 17.640 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

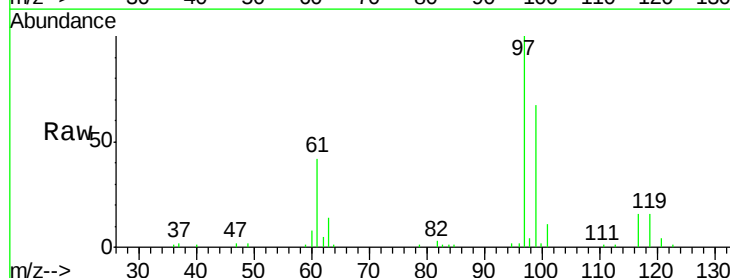
Tgt Ion: 97 Resp: 196251

Ion Ratio Lower Upper

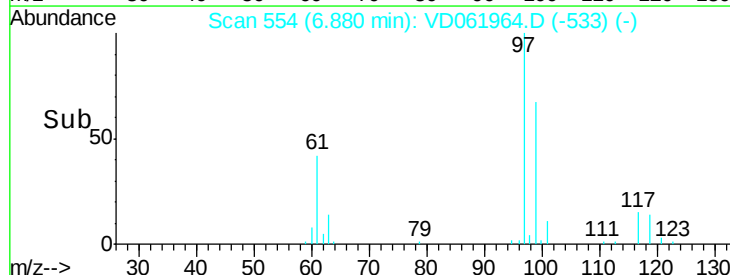
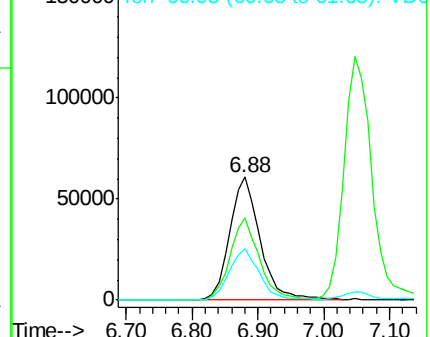
97 100

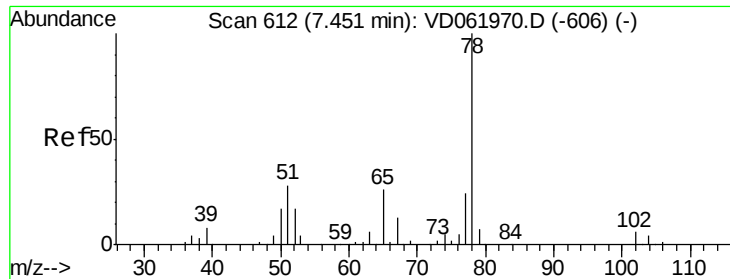
99 67.1 52.2 78.2

61 42.3 32.4 48.6



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: 17.640 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

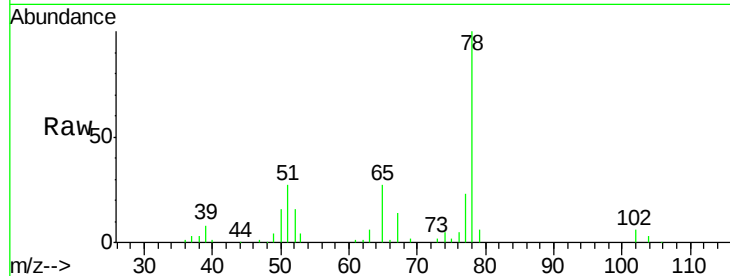
VSTDIC020

Tot Ion: 65 Resp: 98482

Ion Ratio Lower Upper

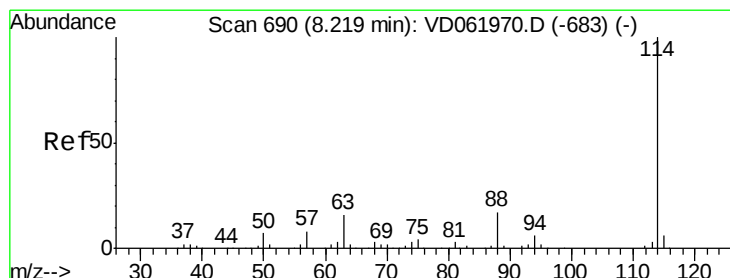
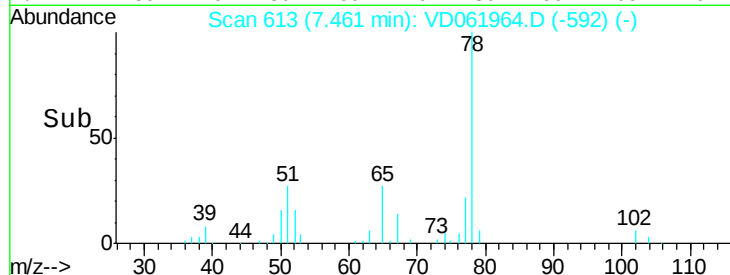
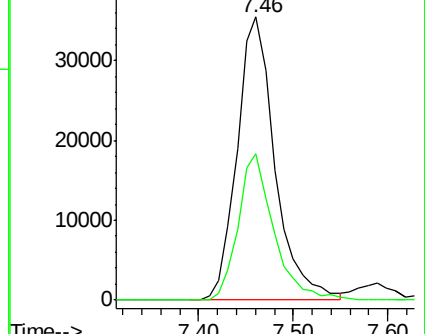
65 100

67 51.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

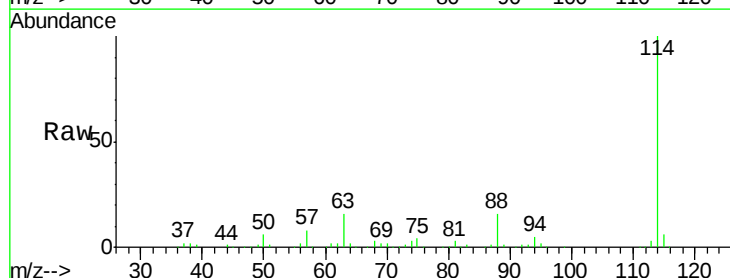
Tgt Ion: 114 Resp: 1068674

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.4

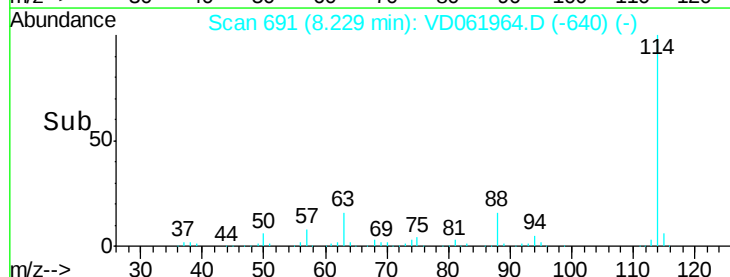
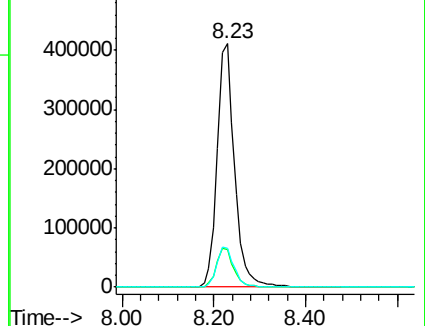
88 15.9 0.0 33.6

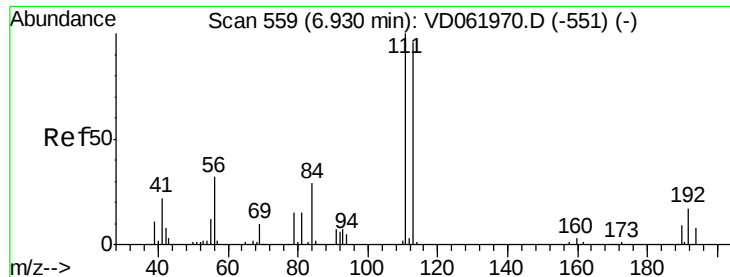


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

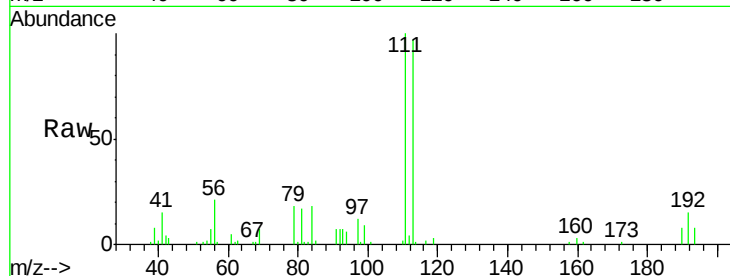
Tot Ion:113 Resp: 149703

Ion Ratio Lower Upper

113 100

111 103.6 78.5 117.7

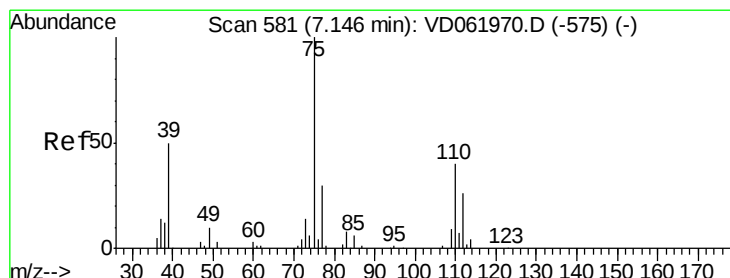
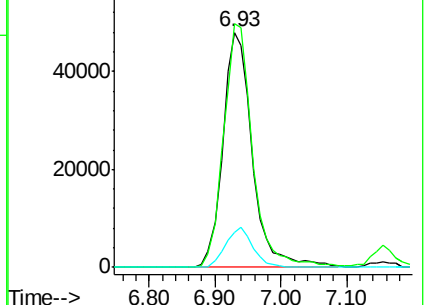
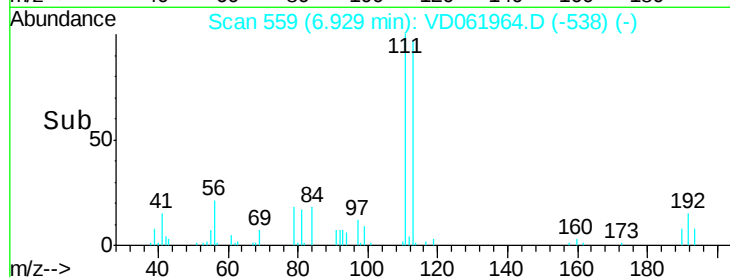
192 15.1 13.0 19.4



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: 19.170 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

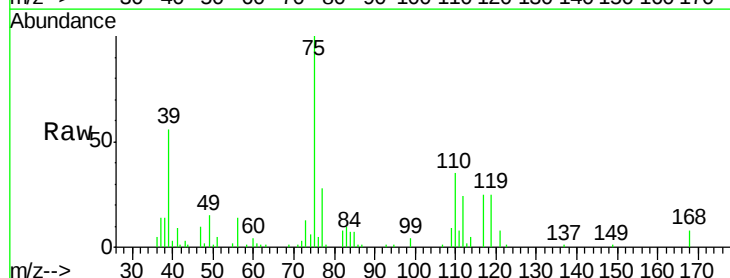
Tgt Ion: 75 Resp: 164121

Ion Ratio Lower Upper

75 100

110 35.3 19.1 57.1

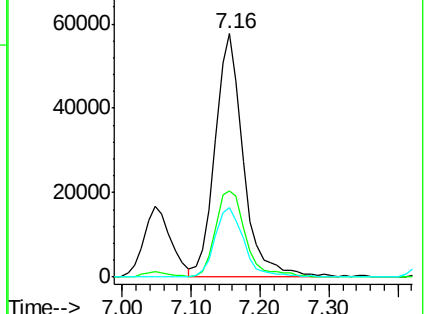
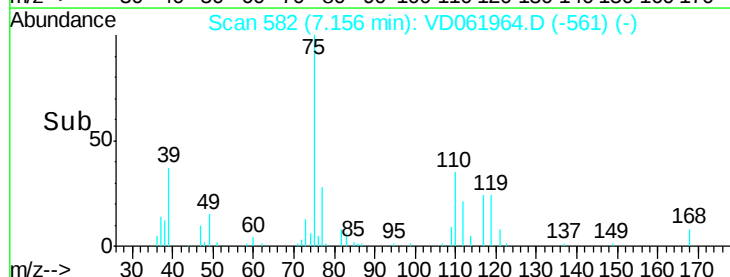
77 28.3 25.6 38.4

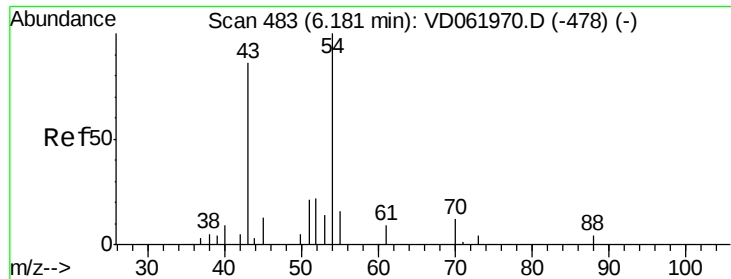


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

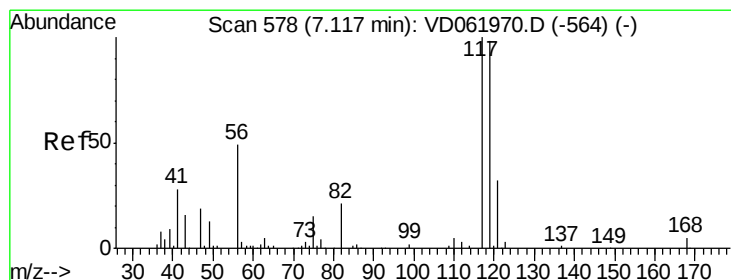
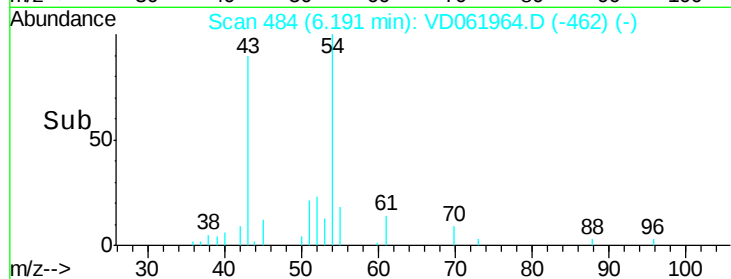
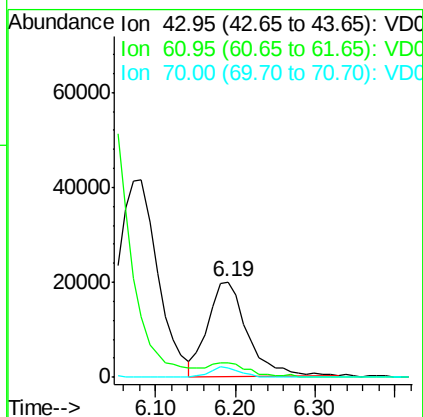
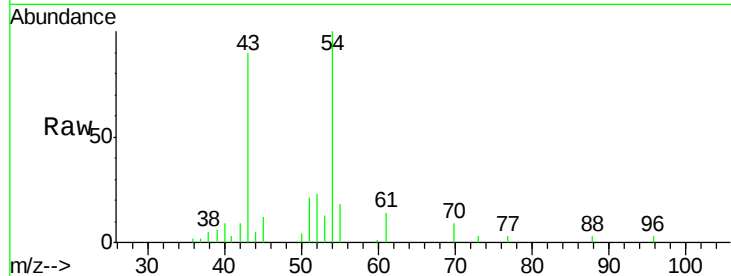




#37
Ethyl Acetate
Concen: 17.208 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

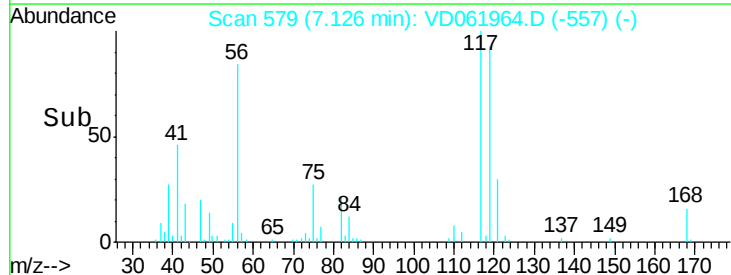
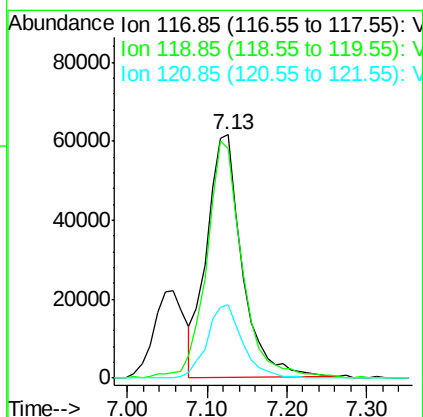
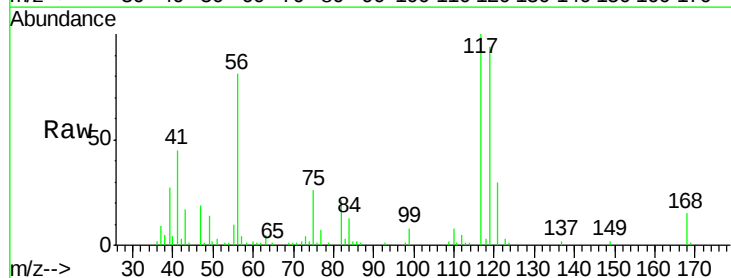
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

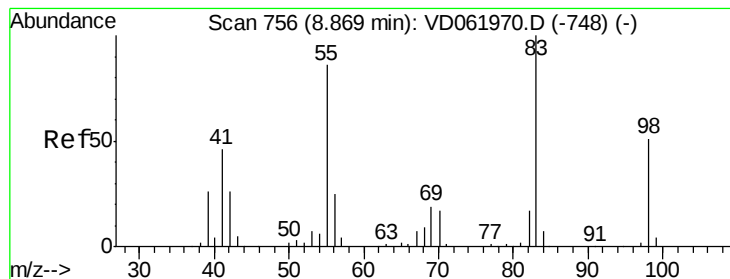
Tot Ion: 43 Resp: 68019
Ion Ratio Lower Upper
43 100
61 15.7 14.7 22.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 17.421 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 117 Resp: 190418
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.8
121 30.4 25.9 38.9





#39

Methvlcvclohexane

Concen: 18.387 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

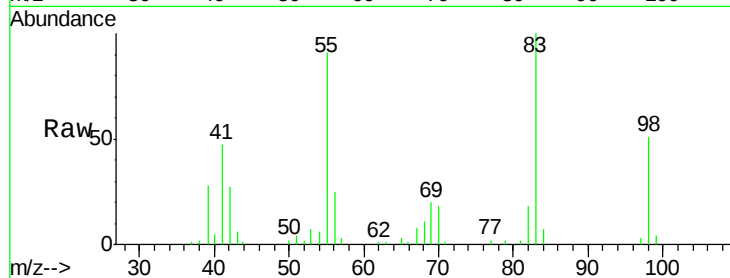
Tot Ion: 83 Resp: 155283

Ion Ratio Lower Upper

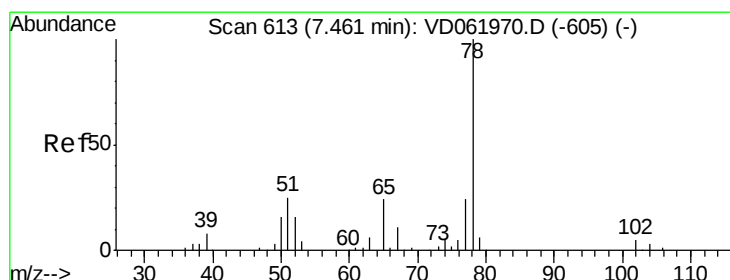
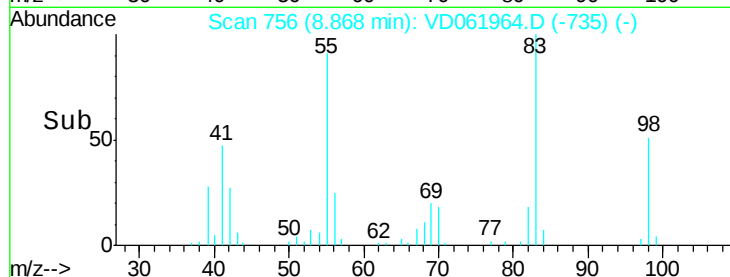
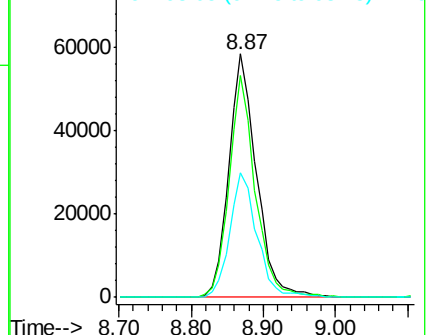
83 100

55 91.1 68.2 102.4

98 51.1 38.2 57.4



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: 17.966 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061964.D

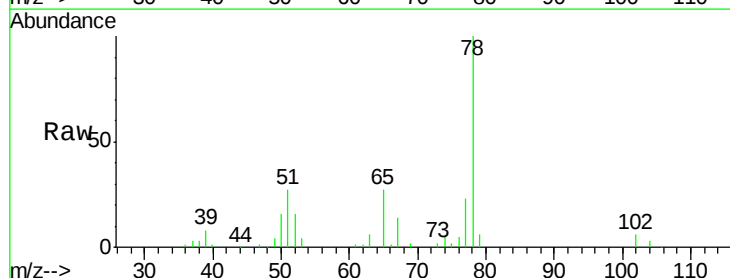
Acq: 23 Apr 2019 11:28

Tgt Ion: 78 Resp: 386578

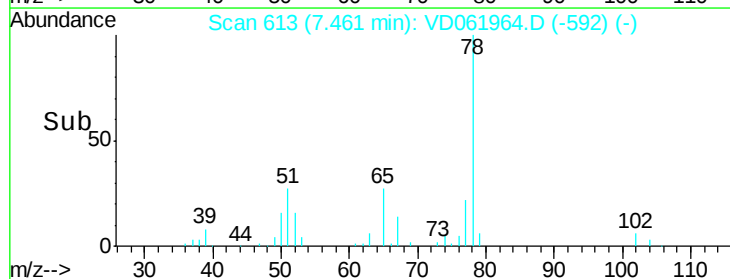
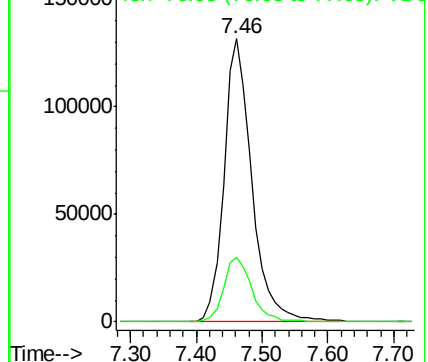
Ion Ratio Lower Upper

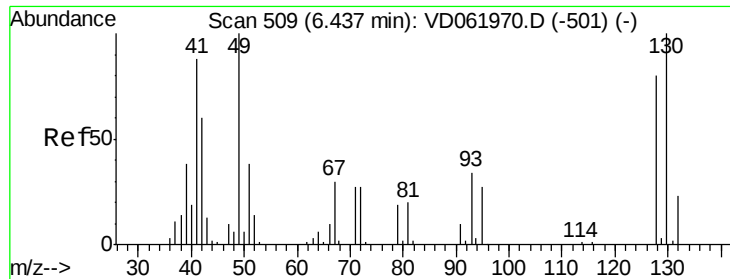
78 100

77 22.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

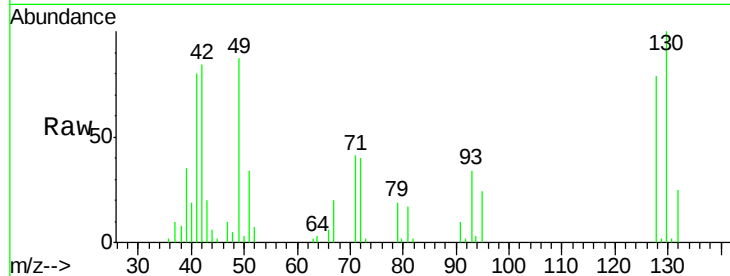




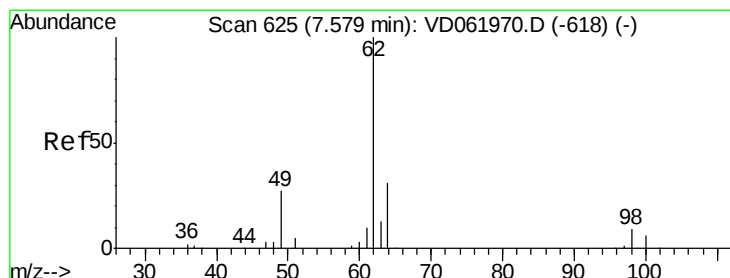
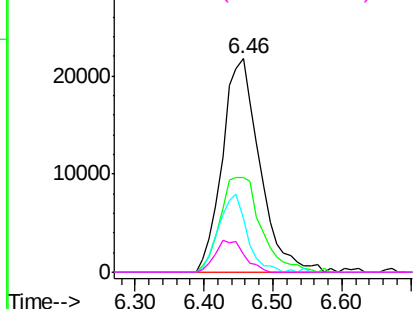
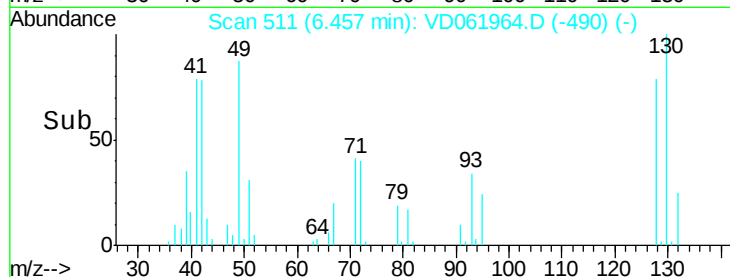
#41
Methacrylonitrile
Concen: 17.566 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 82185
Ion Ratio Lower Upper
41 100
39 44.3 34.1 51.1
67 25.2 23.8 35.6
52 8.4 8.8 13.2#

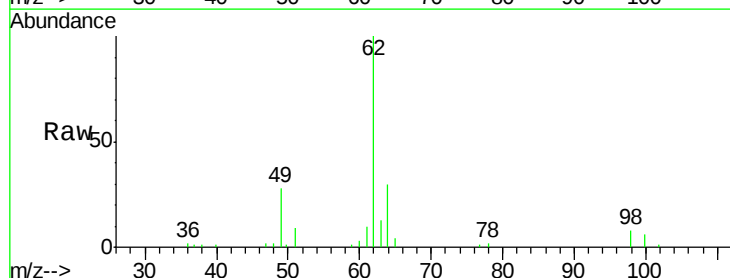


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

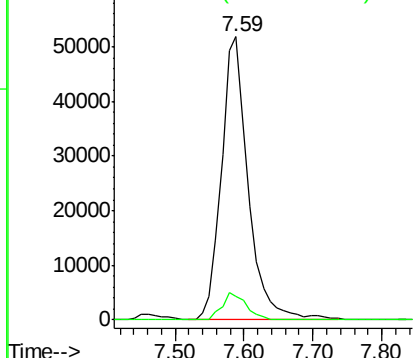
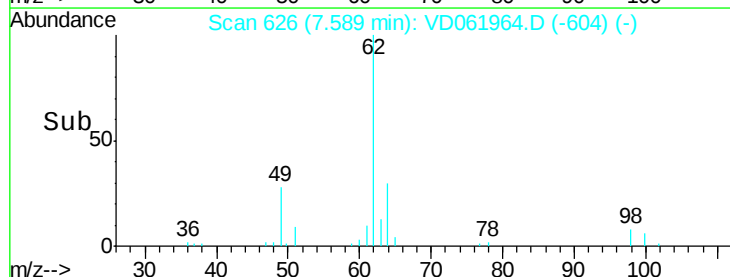


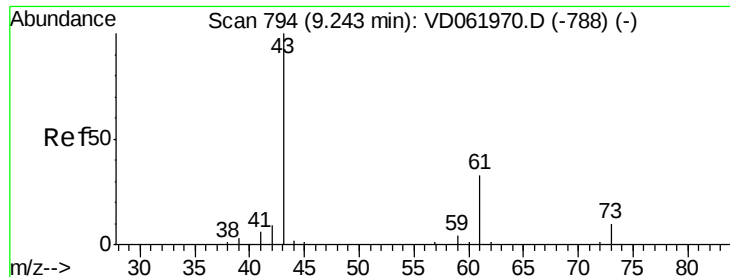
#42
1,2-Dichloroethane
Concen: 17.685 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 62 Resp: 139707
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



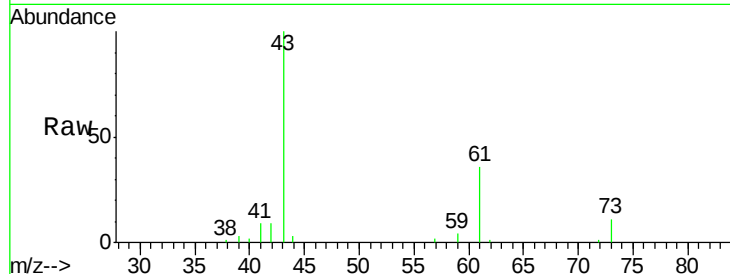


#43

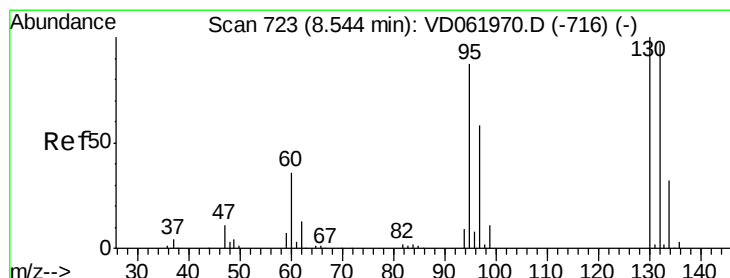
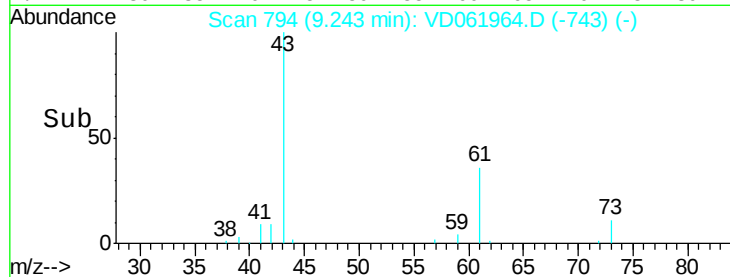
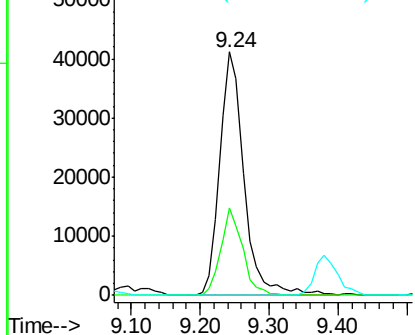
Isopropyl Acetate
 Concen: 17.554 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 101092
 Ion Ratio Lower Upper
 43 100
 61 35.8 25.1 37.7
 87 0.0 0.0 0.0



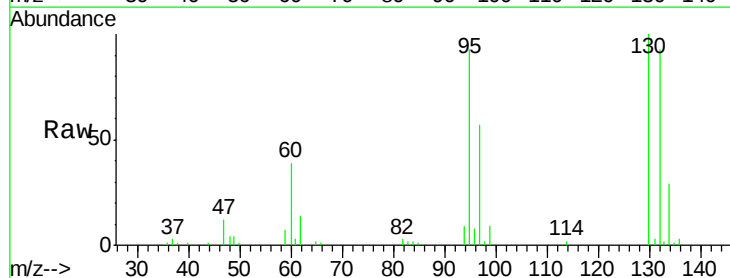
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



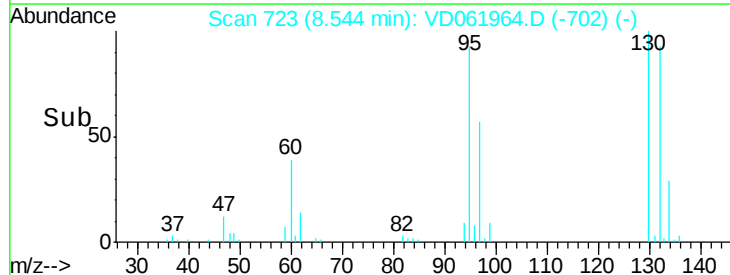
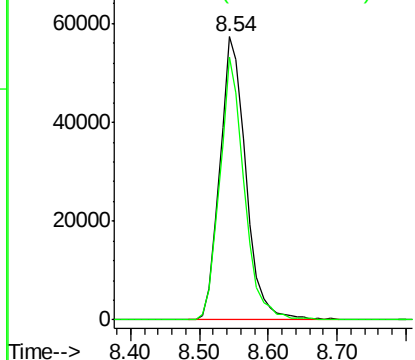
#44

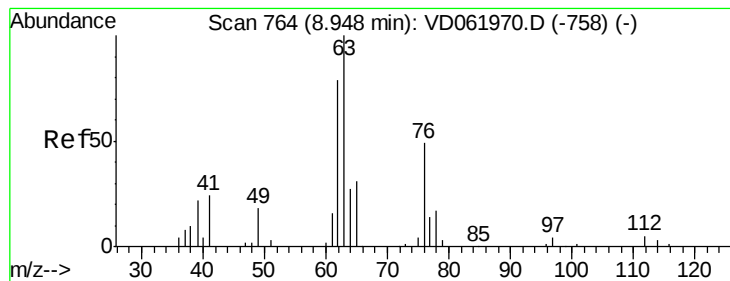
Trichloroethene
 Concen: 18.650 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion:130 Resp: 149085
 Ion Ratio Lower Upper
 130 100
 95 92.9 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.203 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

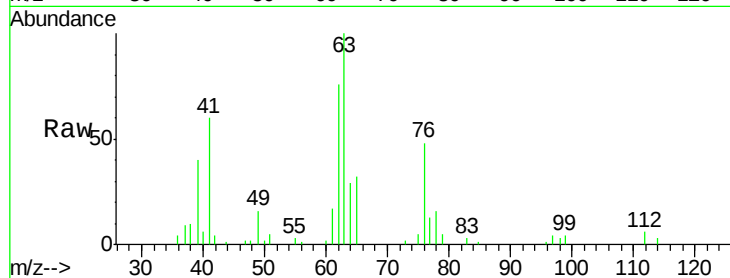
VSTDIC020

Tot Ion: 63 Resp: 99879

Ion Ratio Lower Upper

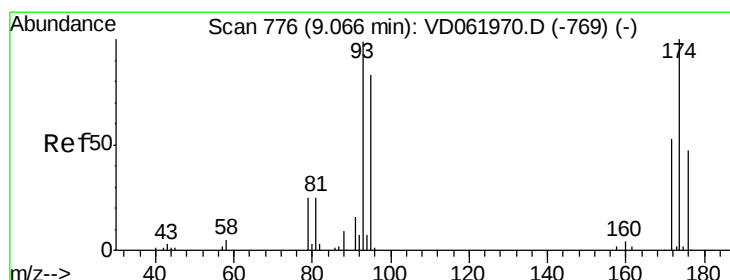
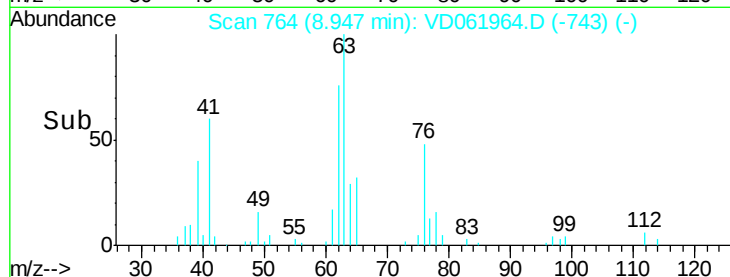
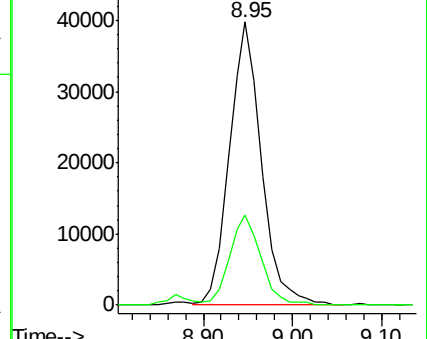
63 100

65 31.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.366 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

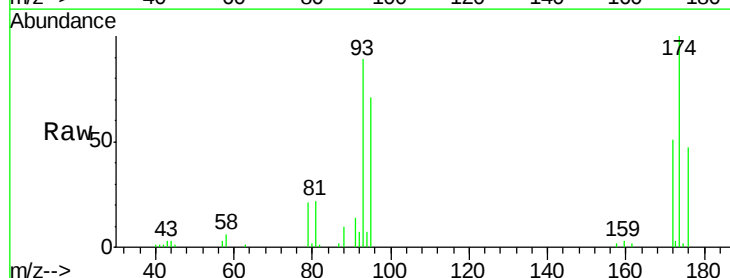
Tgt Ion: 93 Resp: 72289

Ion Ratio Lower Upper

93 100

95 79.3 64.8 97.2

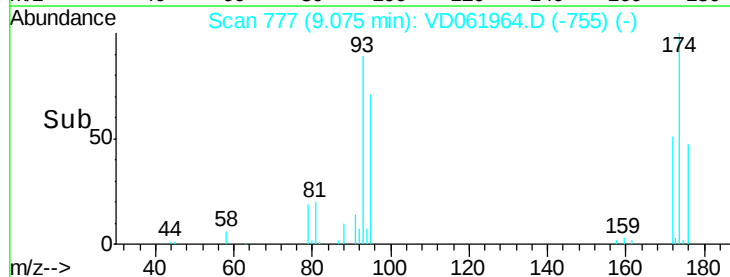
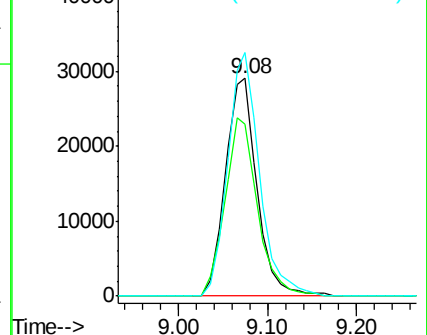
174 112.0 79.3 118.9

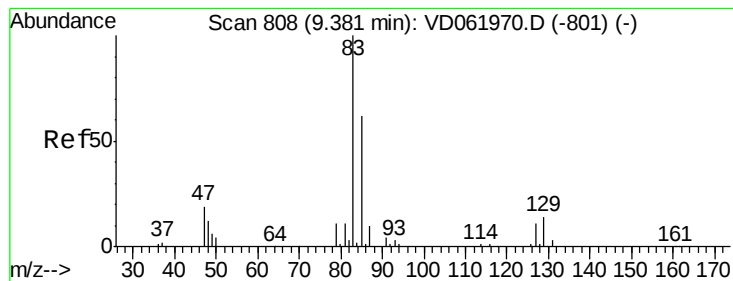


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 17.203 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

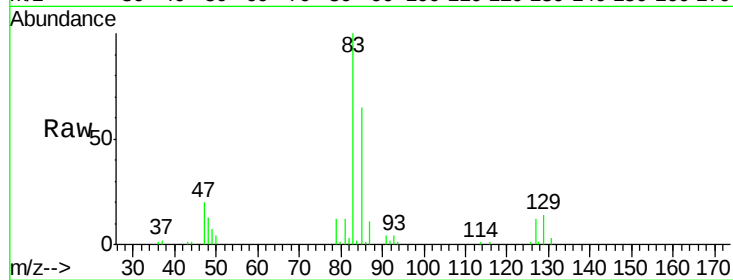
Tot Ion: 83 Resp: 164086

Ion Ratio Lower Upper

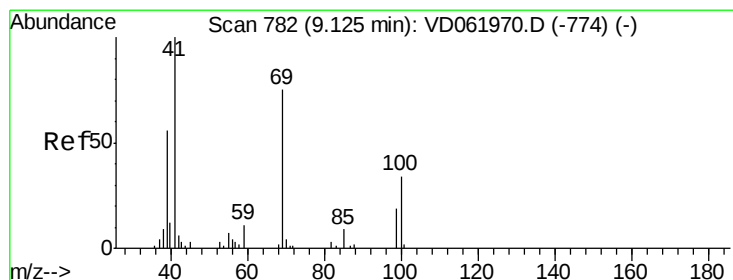
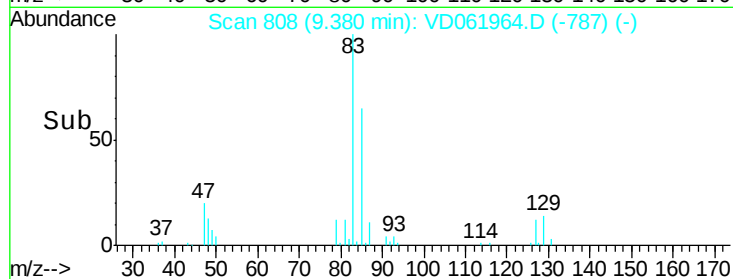
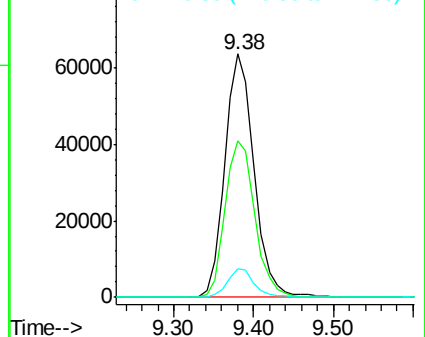
83 100

85 64.5 50.9 76.3

127 11.9 8.1 12.1



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



#48

Methyl methacrylate

Concen: 18.333 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

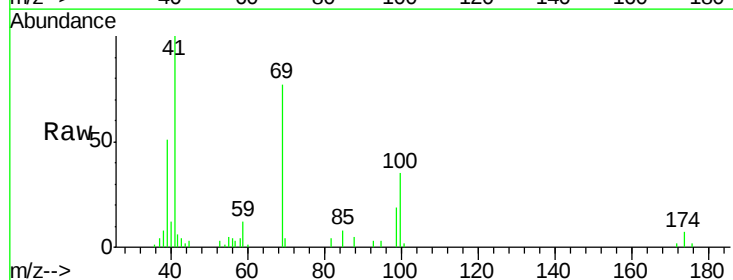
Tgt Ion: 41 Resp: 60237

Ion Ratio Lower Upper

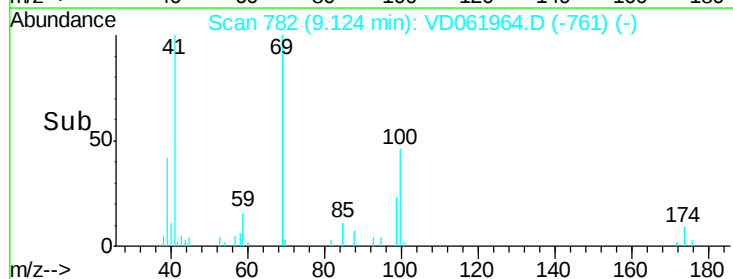
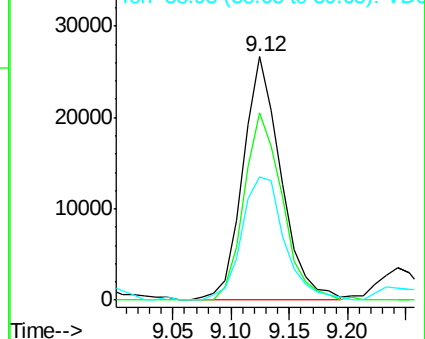
41 100

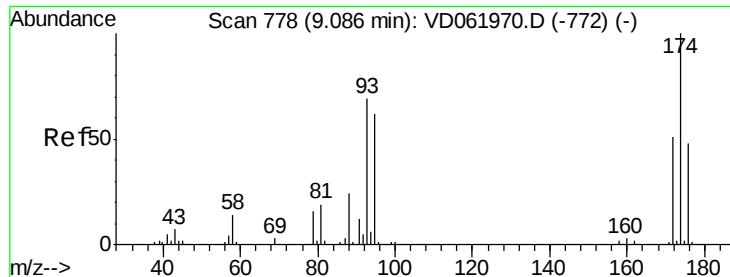
69 77.0 64.2 96.2

39 50.6 46.8 70.2



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

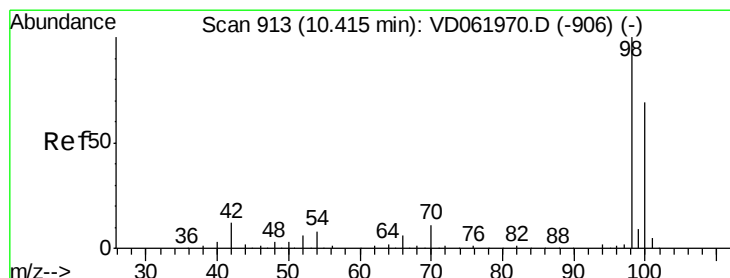
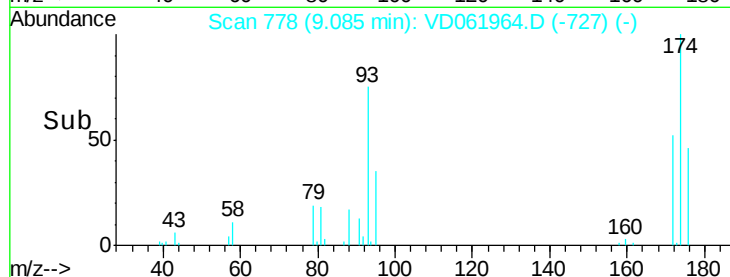
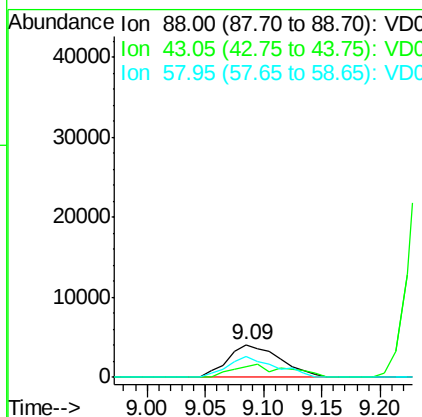
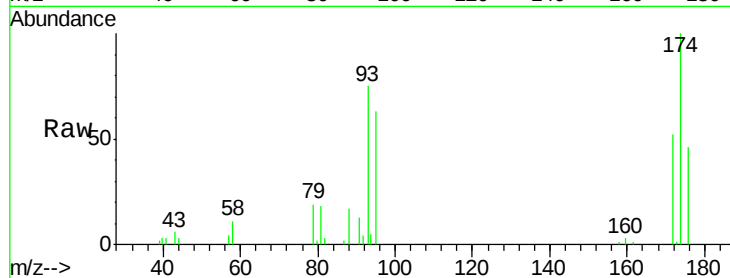




#49
1,4-Dioxane
Concen: 373.234 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

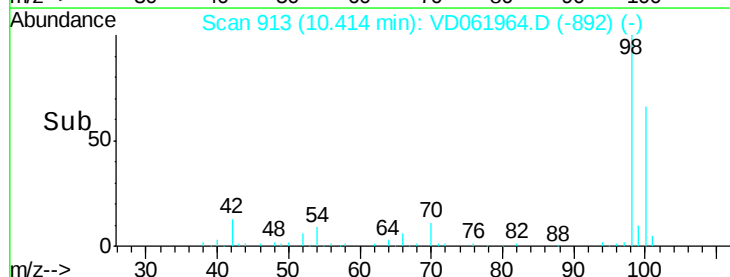
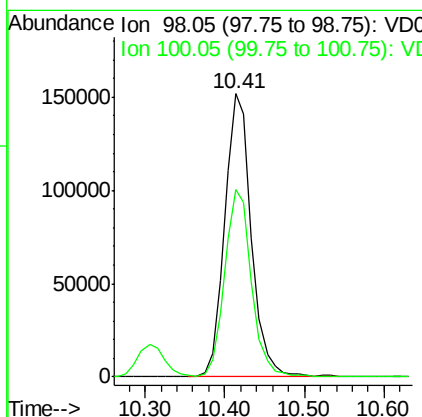
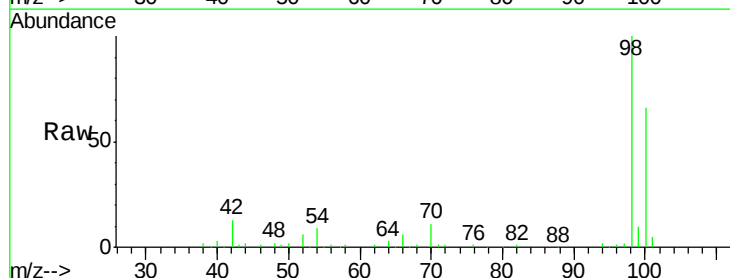
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

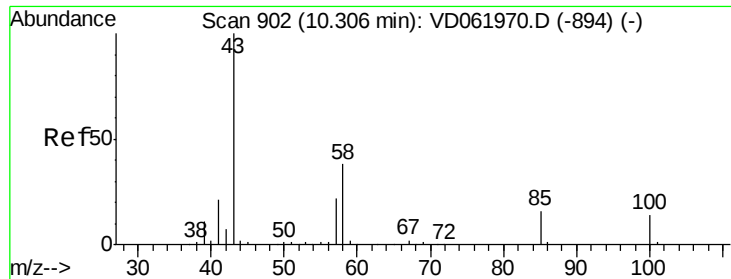
Tot Ion: 88 Resp: 12672
Ion Ratio Lower Upper
88 100
43 32.4 23.4 35.0
58 61.6 44.0 66.0



#50
Toluene-d8
Concen: 373.234 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 98 Resp: 354920
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 88.239 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

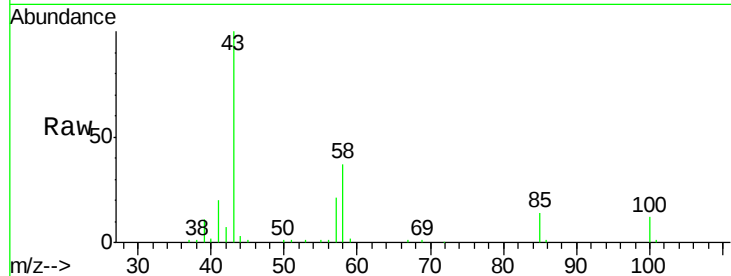
VSTDIC020

Tot Ion: 43 Resp: 324645

Ion Ratio Lower Upper

43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

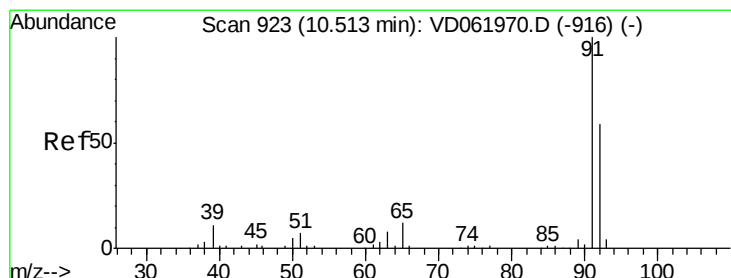
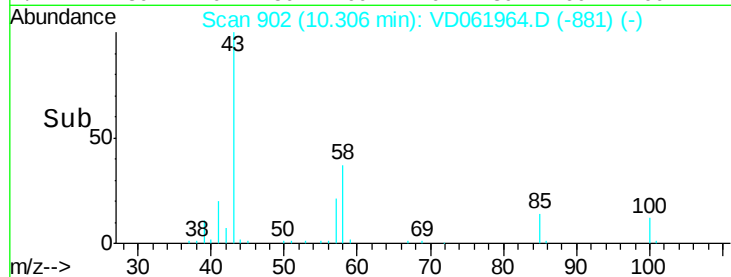
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.368 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061964.D

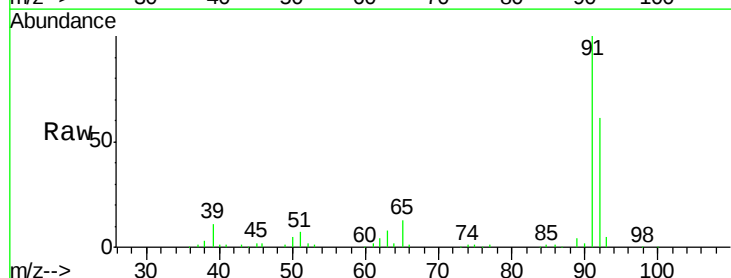
Acq: 23 Apr 2019 11:28

Tgt Ion: 92 Resp: 268143

Ion Ratio Lower Upper

92 100

91 163.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

200000

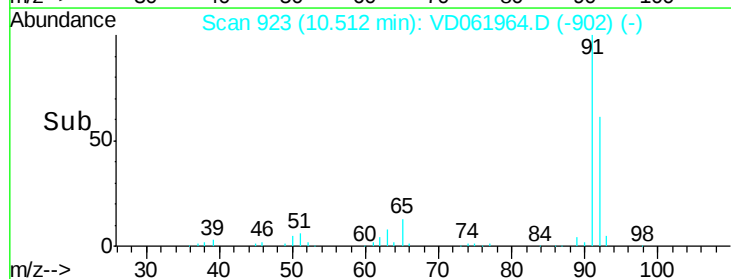
150000

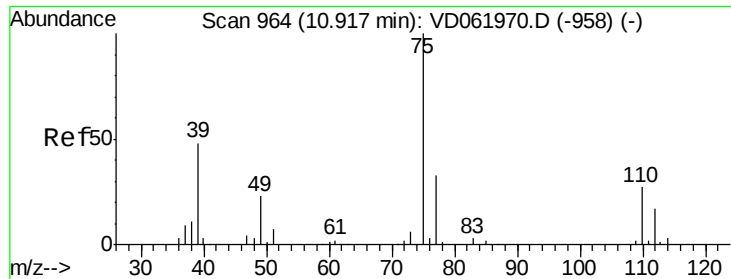
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.093 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

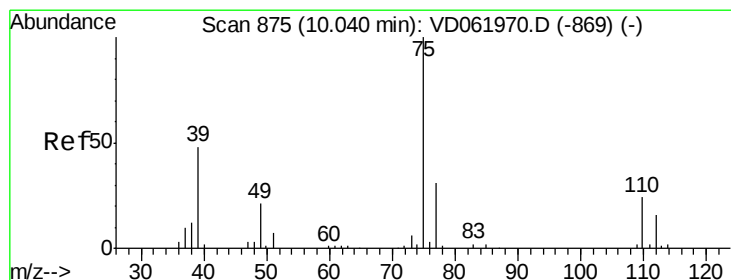
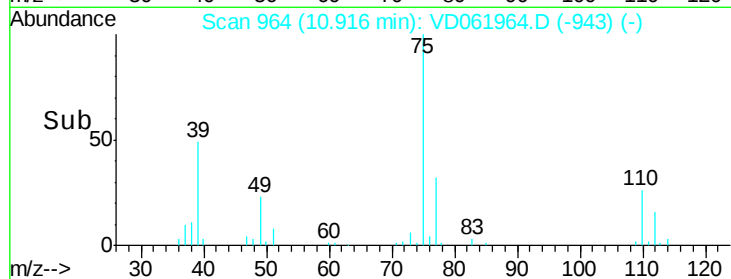
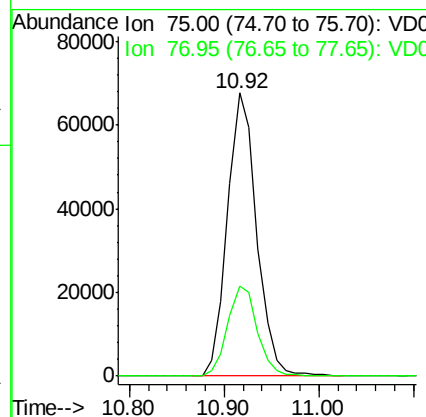
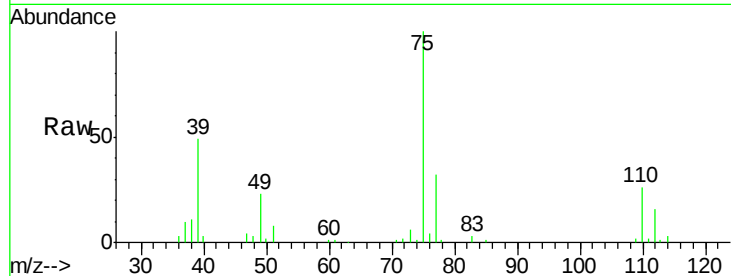
VSTDIC020

Tot Ion: 75 Resp: 144756

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 17.782 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

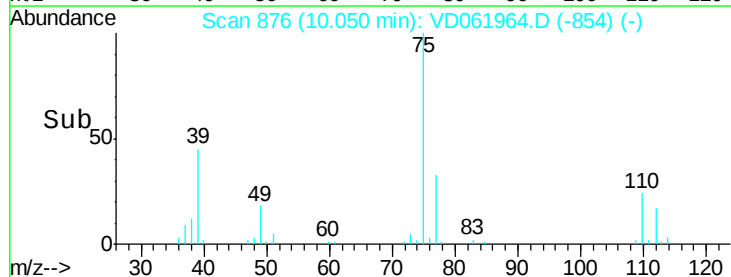
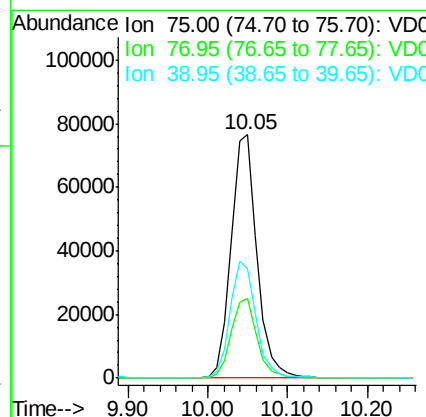
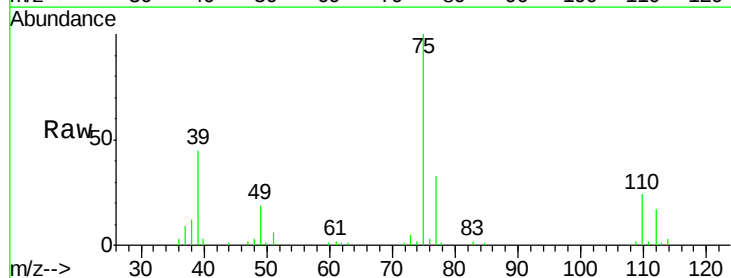
Tgt Ion: 75 Resp: 174946

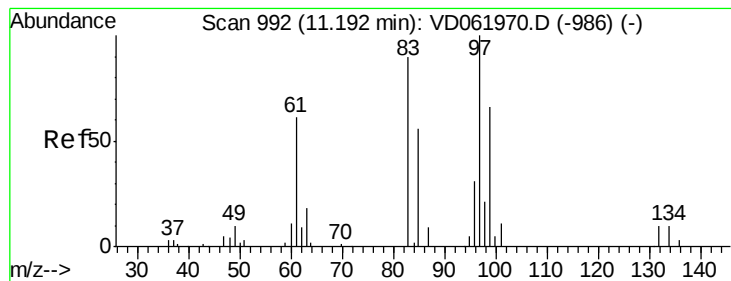
Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

39 45.1 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 17.651 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 87937

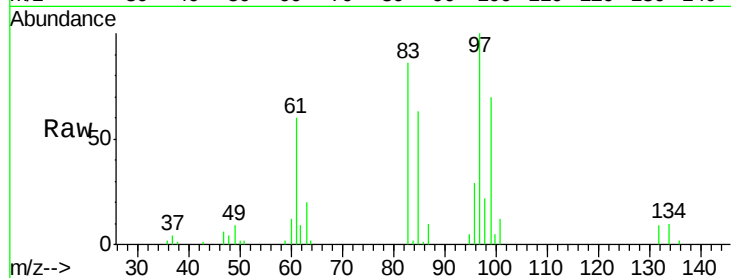
Ion Ratio Lower Upper

97 100

83 85.8 65.7 98.5

85 62.6 45.6 68.4

99 70.1 48.4 72.6

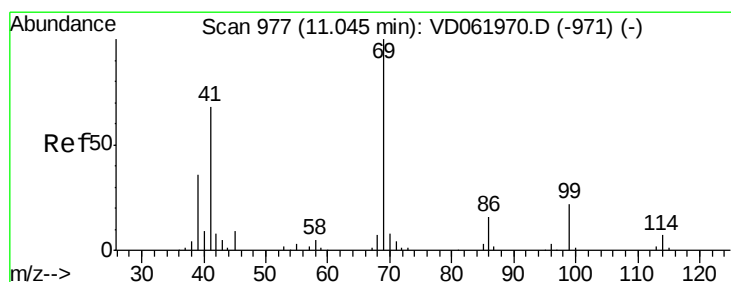
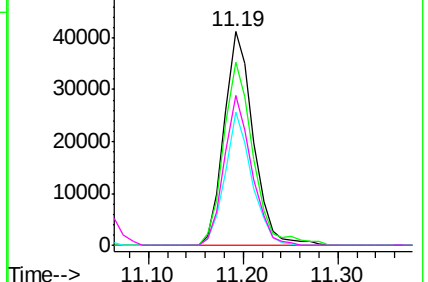
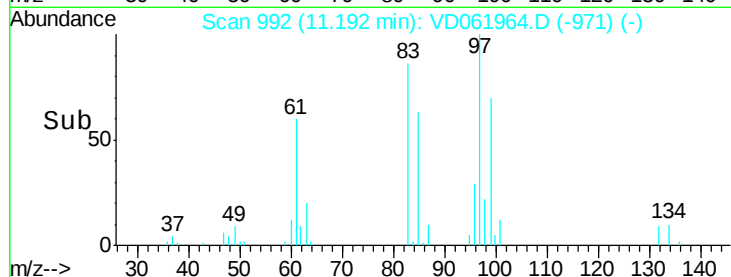


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 17.821 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

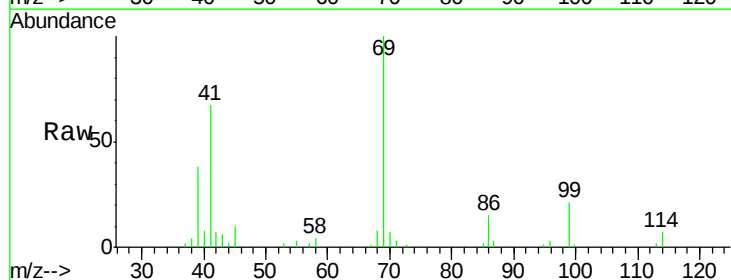
Tgt Ion: 69 Resp: 94312

Ion Ratio Lower Upper

69 100

41 66.6 56.3 84.5

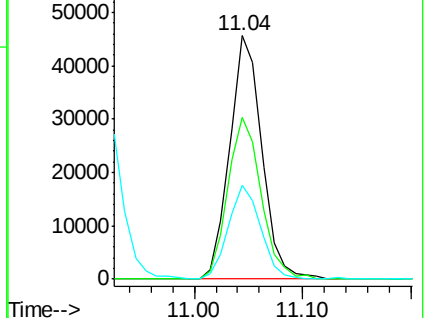
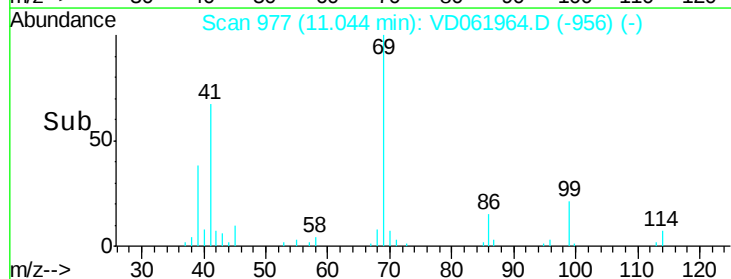
39 38.5 29.4 44.2

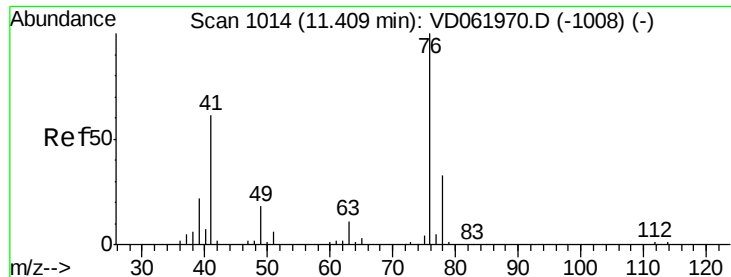


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

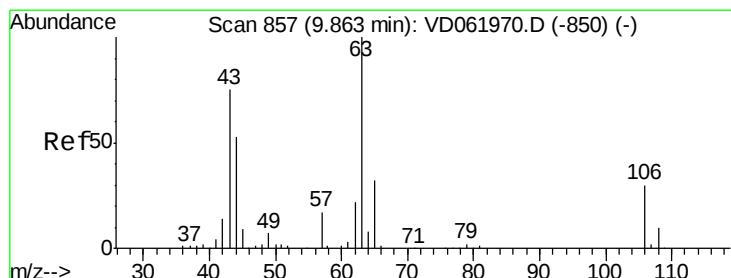
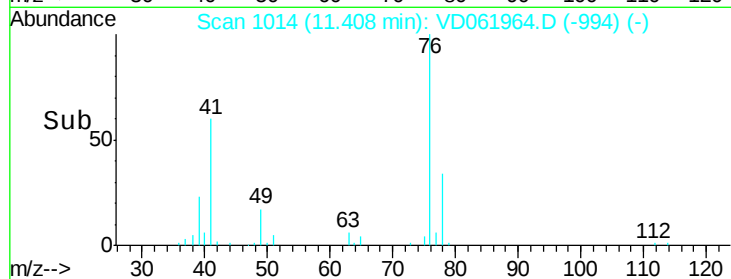
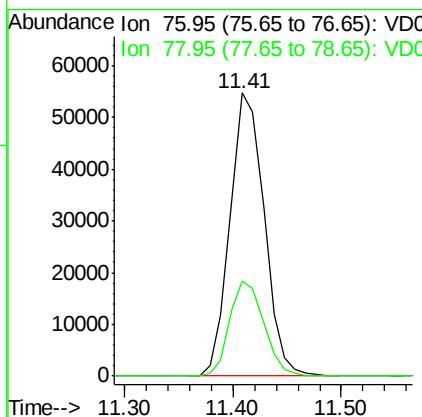
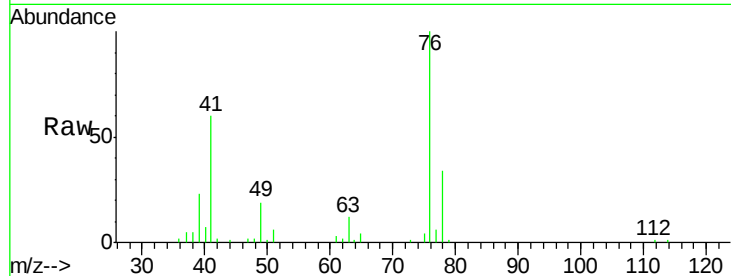




#57
 1,3-Dichloropropane
 Concen: 16.246 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

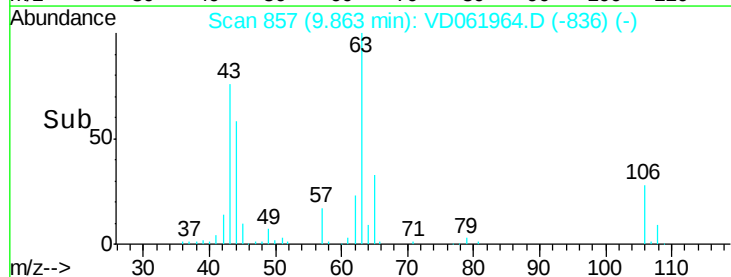
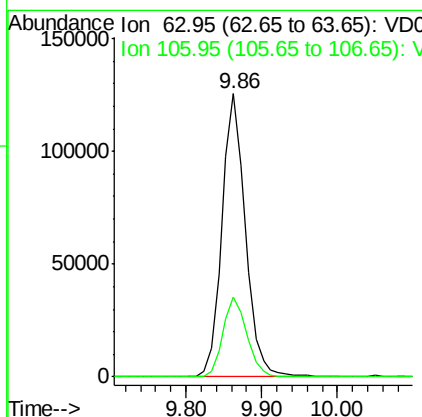
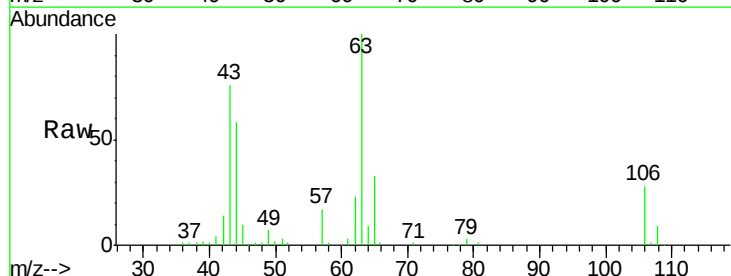
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

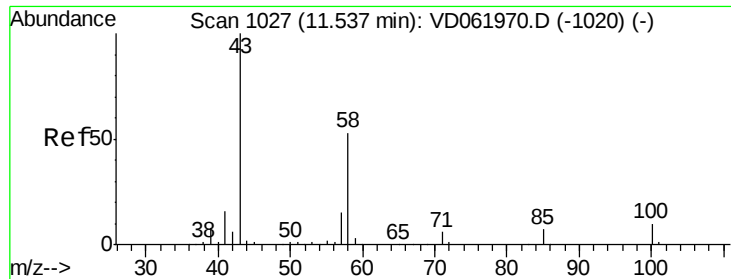
Tot Ion: 76 Resp: 120598
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.488 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 63 Resp: 270384
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.6 34.0

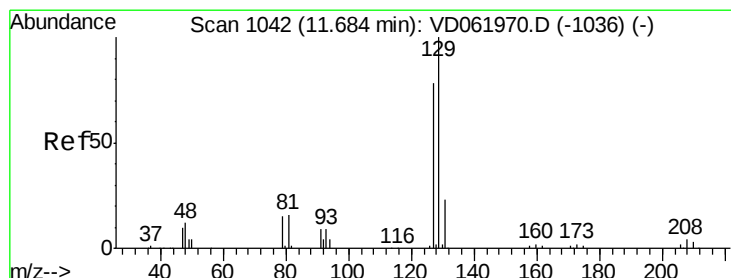
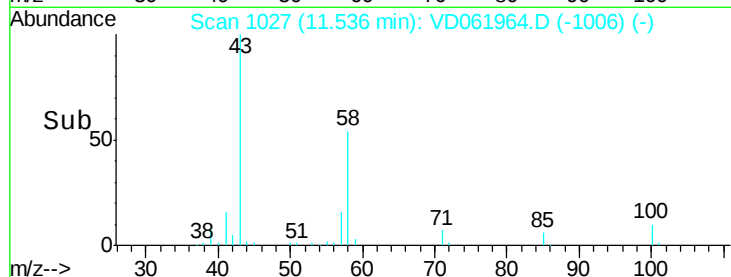
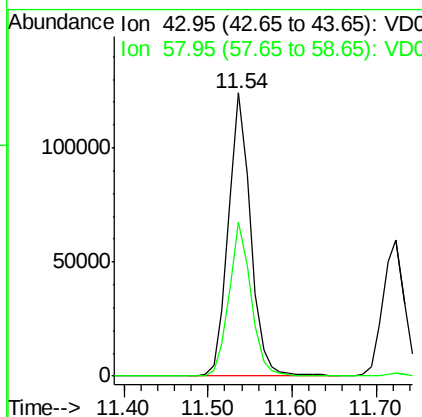
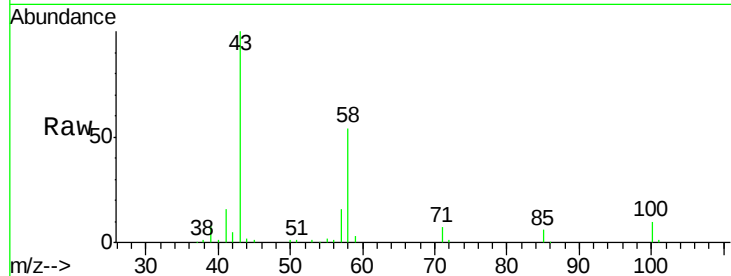




#59
2-Hexanone
Concen: 88.212 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

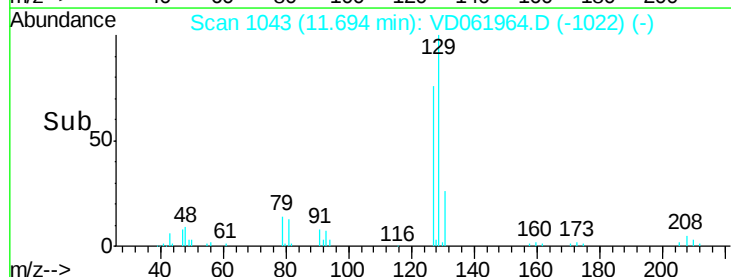
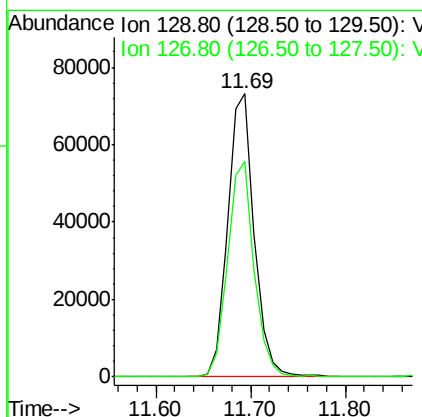
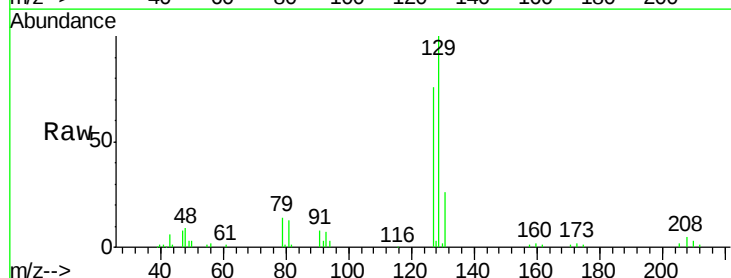
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

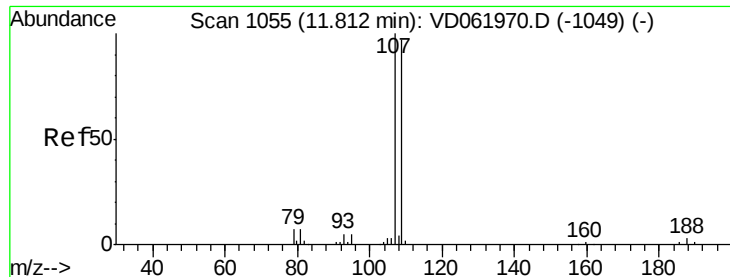
Tot Ion: 43 Resp: 228321
Ion Ratio Lower Upper
43 100
58 54.4 25.4 76.4



#60
Dibromochloromethane
Concen: 17.664 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 129 Resp: 141660
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9

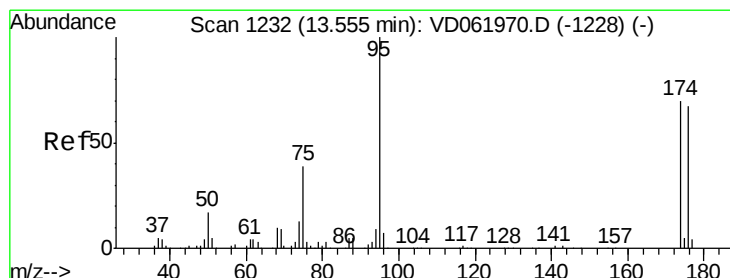
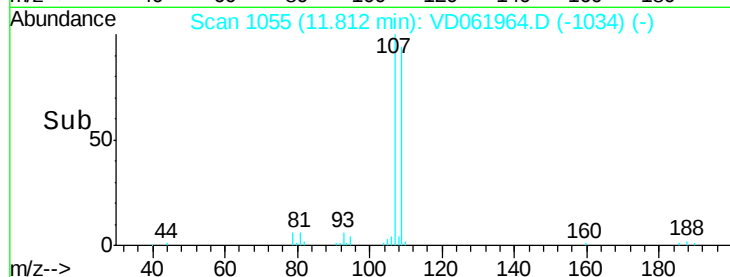
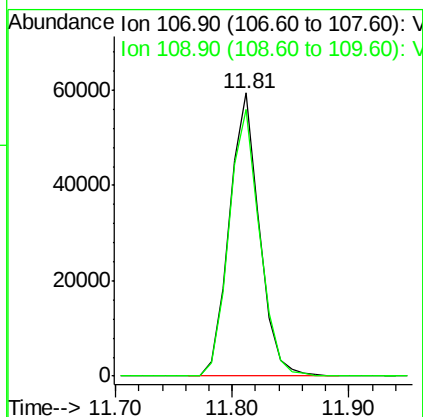
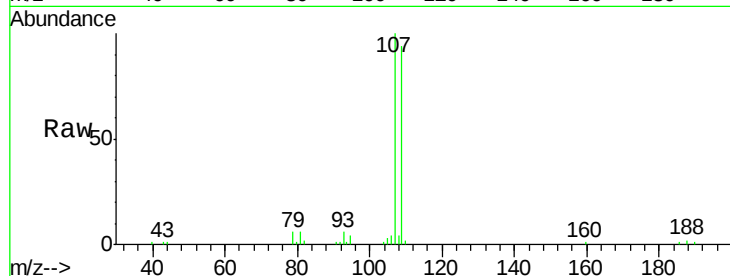




#61
1,2-Dibromoethane
Concen: 17.687 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

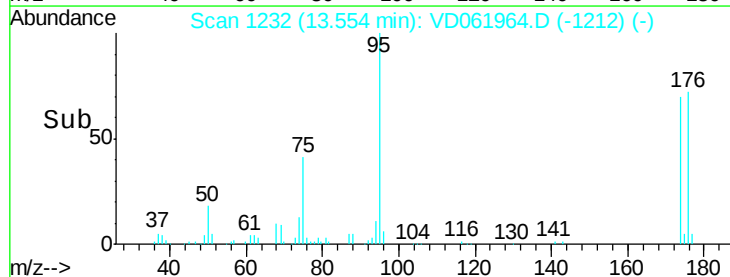
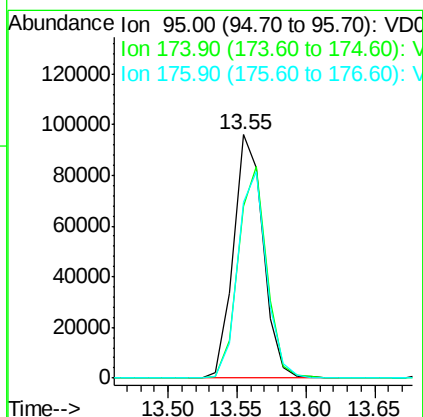
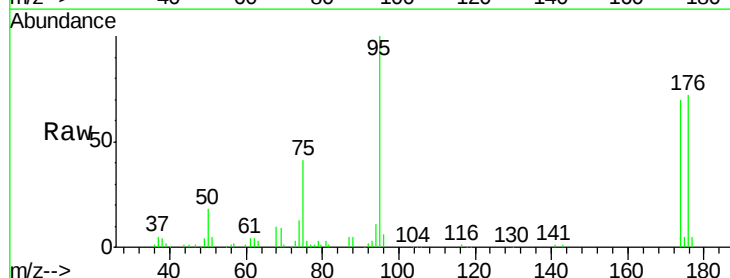
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

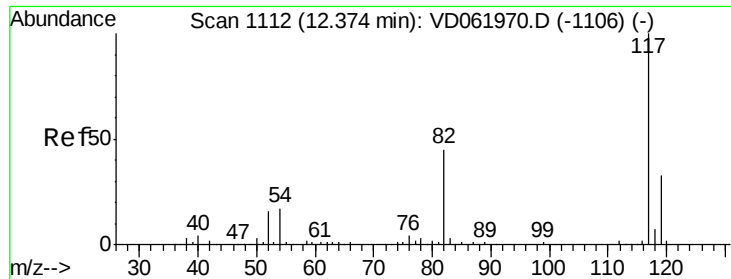
Tot Ion:107 Resp: 105584
Ion Ratio Lower Upper
107 100
109 94.3 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 17.687 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 95 Resp: 143764
Ion Ratio Lower Upper
95 100
174 70.4 0.0 181.8
176 72.1 0.0 174.4

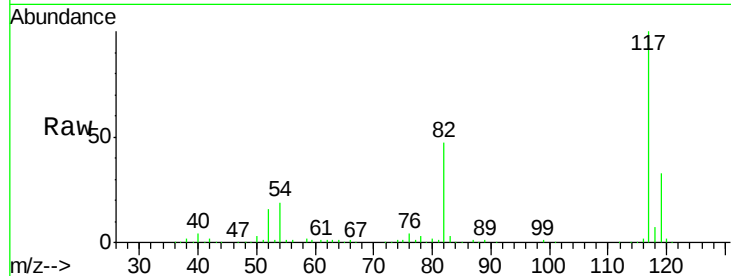




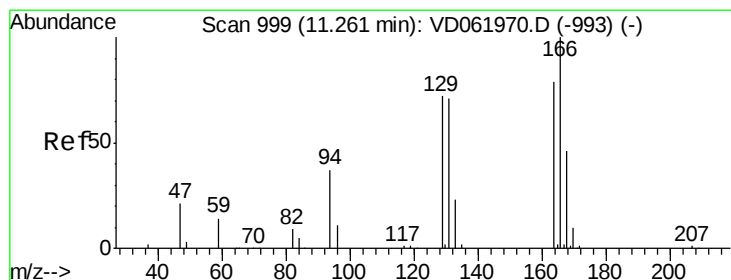
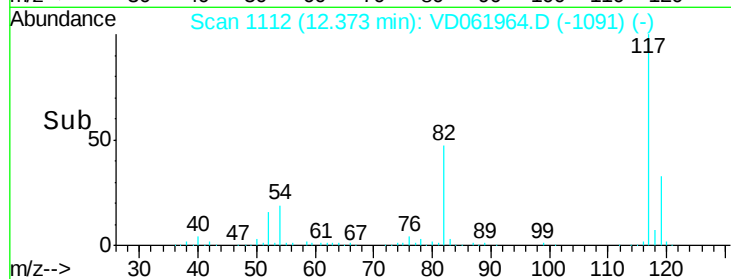
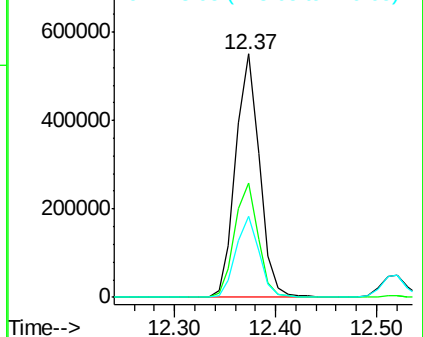
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 906061
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 33.1 26.2 39.4

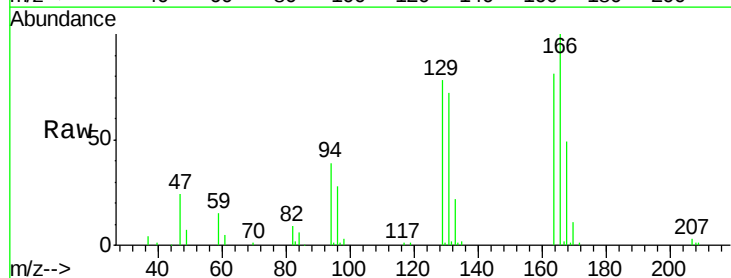


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

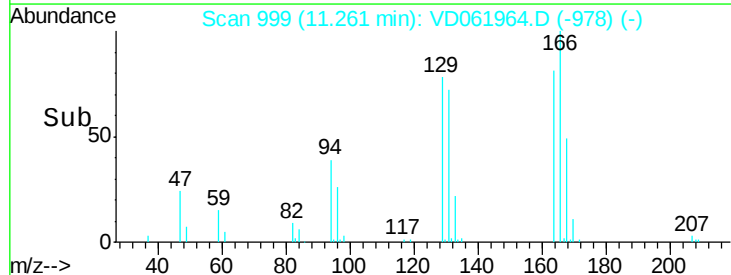
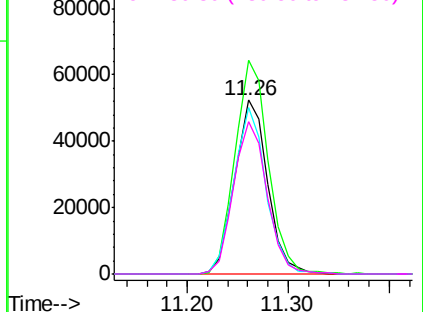


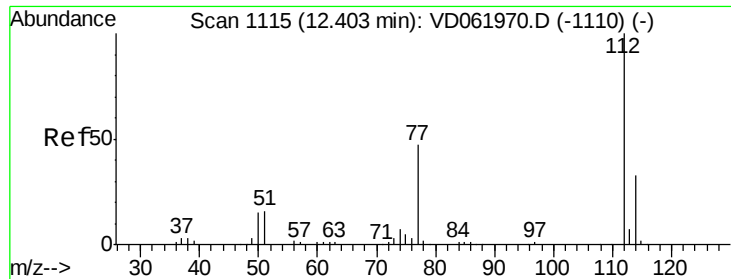
#64
Tetrachloroethene
Concen: 18.037 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion:164 Resp: 119000
Ion Ratio Lower Upper
164 100
166 122.8 101.5 152.3
129 95.4 74.6 112.0
131 88.0 72.6 108.8



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: 18.160 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

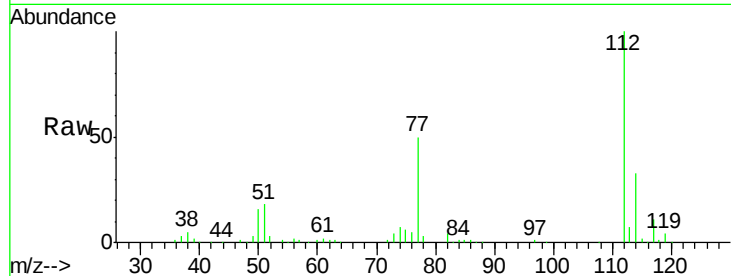
VSTDIC020

Tot Ion:112 Resp: 315787

Ion Ratio Lower Upper

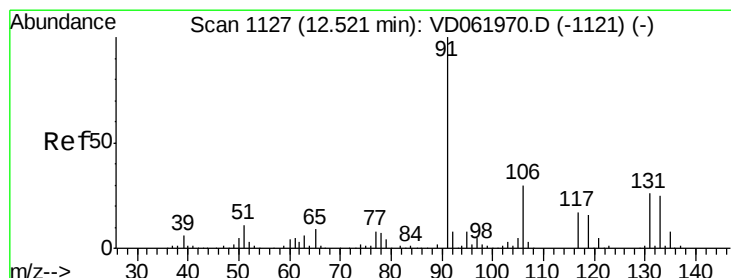
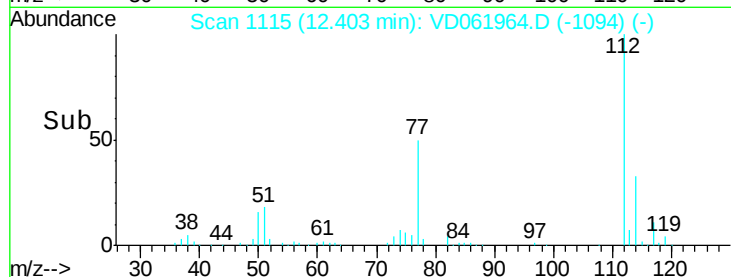
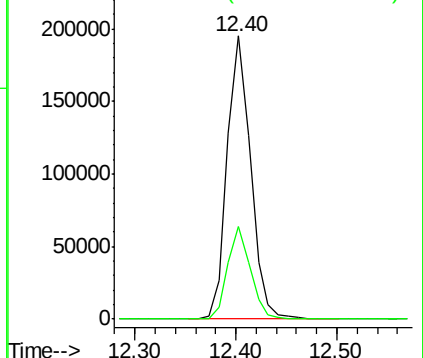
112 100

114 32.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.336 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

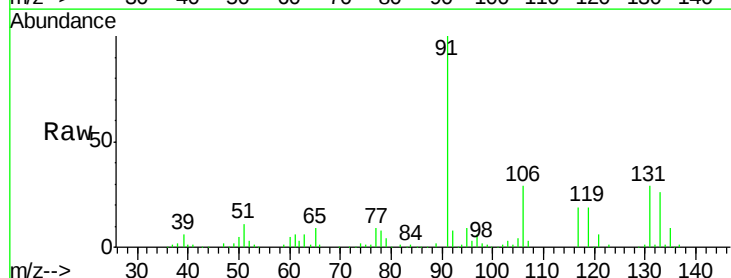
Tgt Ion:131 Resp: 131618

Ion Ratio Lower Upper

131 100

133 92.1 48.6 145.8

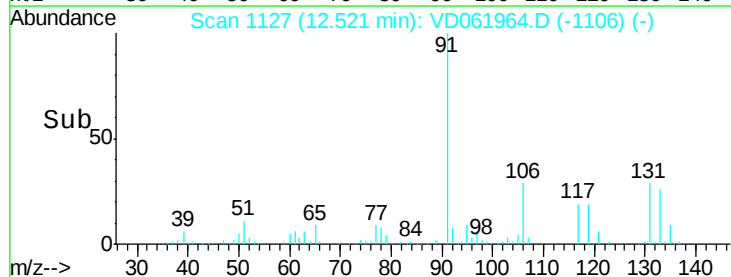
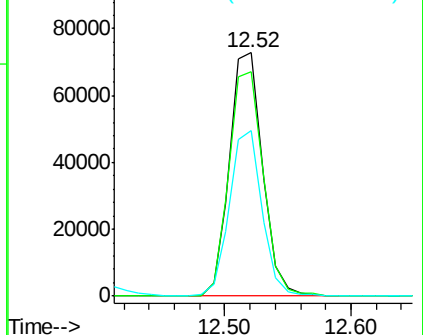
119 67.9 34.7 104.1

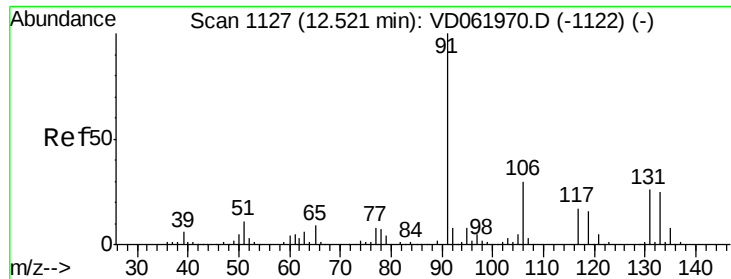


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

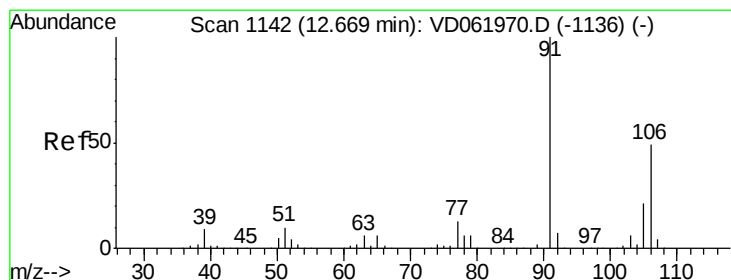
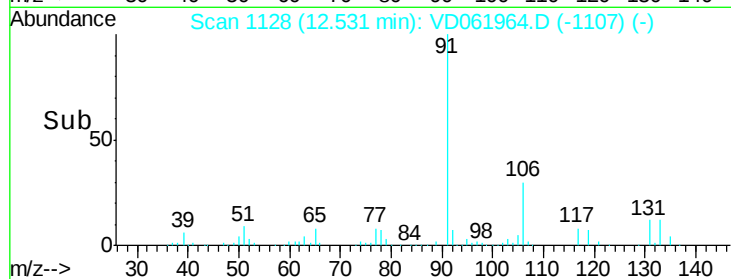
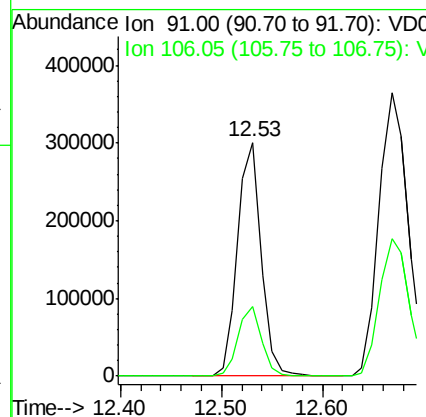
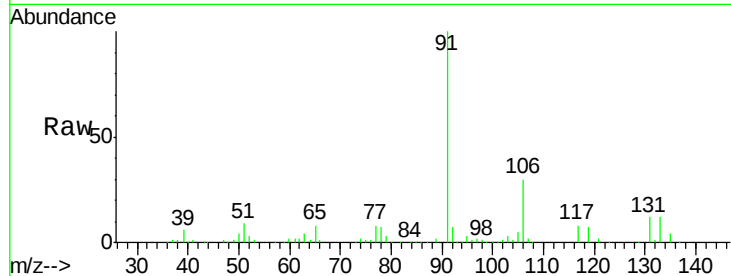




#67
Ethyl Benzene
Concen: 18.507 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

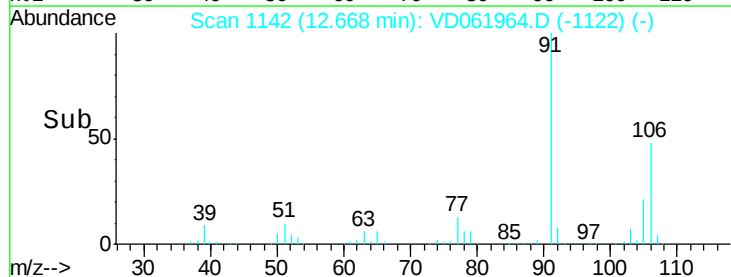
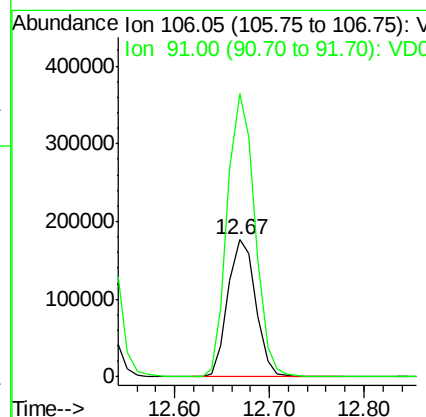
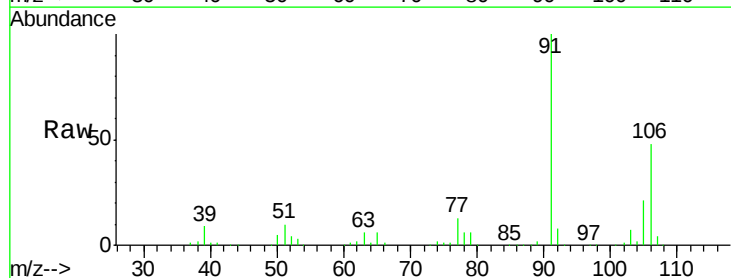
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

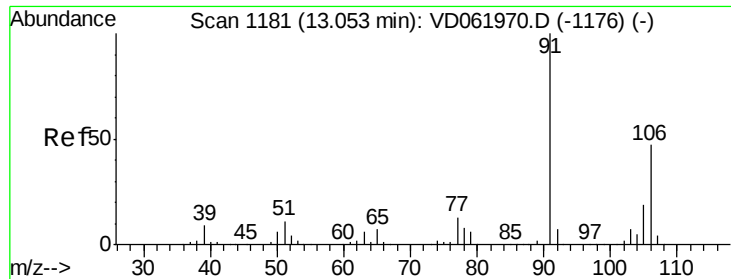
Tot Ion: 91 Resp: 488630
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 35.602 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 106 Resp: 359549
Ion Ratio Lower Upper
106 100
91 206.4 164.0 246.0

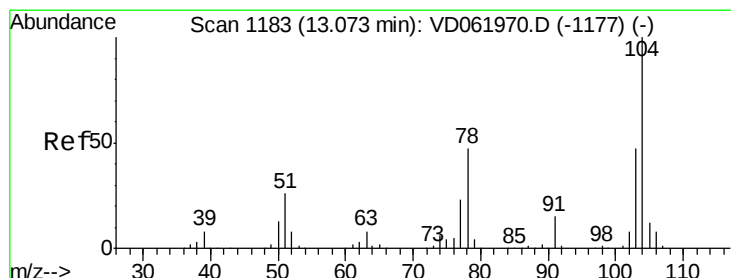
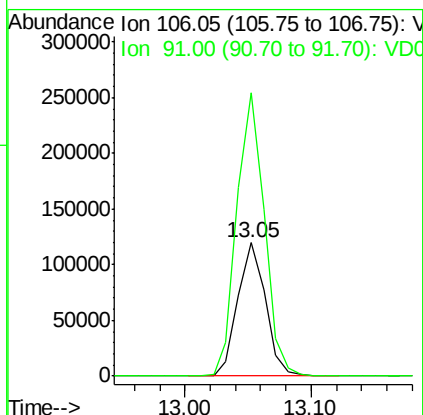
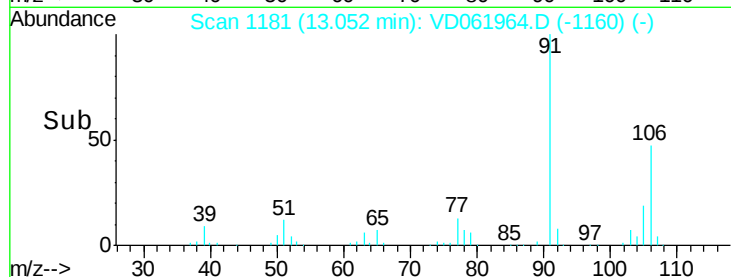
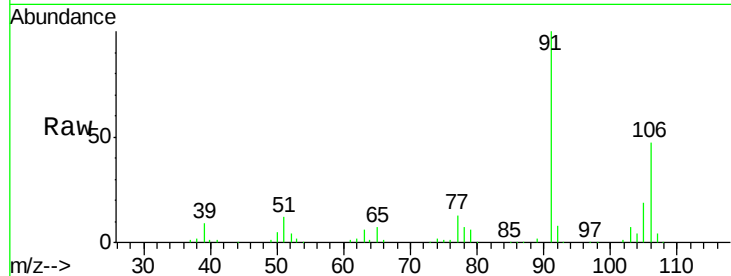




#69
o-Xylene
Concen: 18.863 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

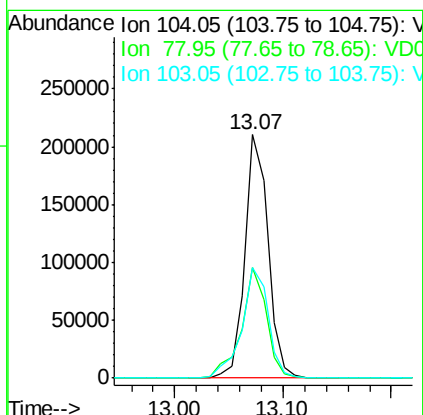
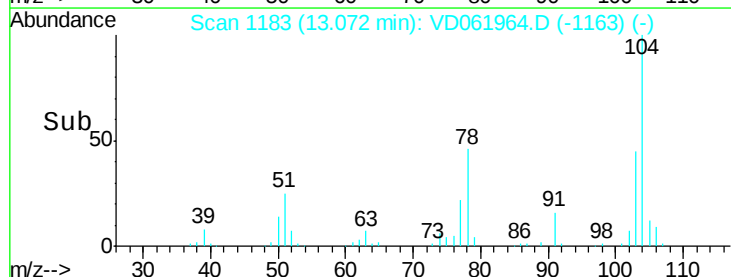
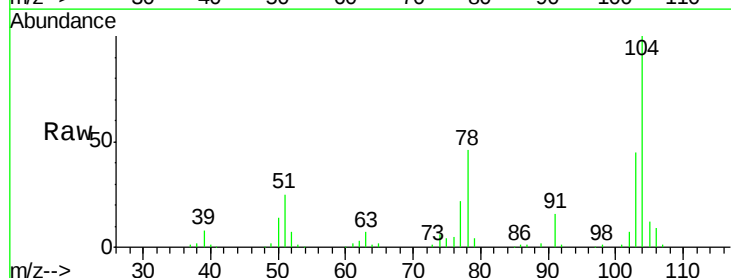
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

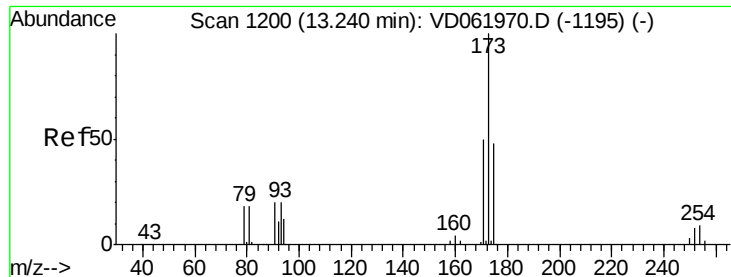
Tot Ion:106 Resp: 181295
Ion Ratio Lower Upper
106 100
91 212.4 106.7 319.9



#70
Styrene
Concen: 18.764 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion:104 Resp: 312075
Ion Ratio Lower Upper
104 100
78 45.5 35.4 53.2
103 45.1 37.5 56.3

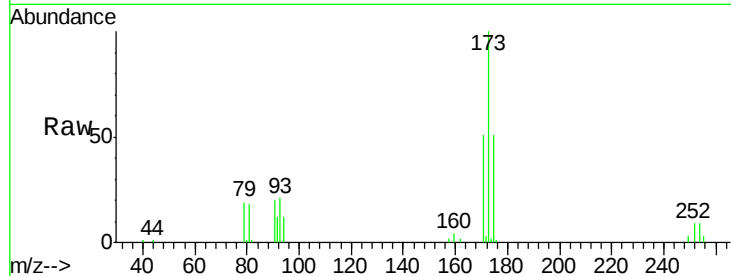




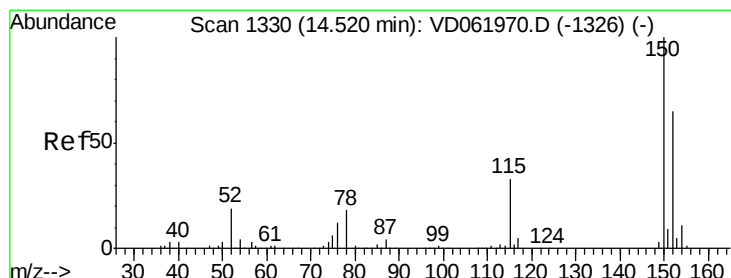
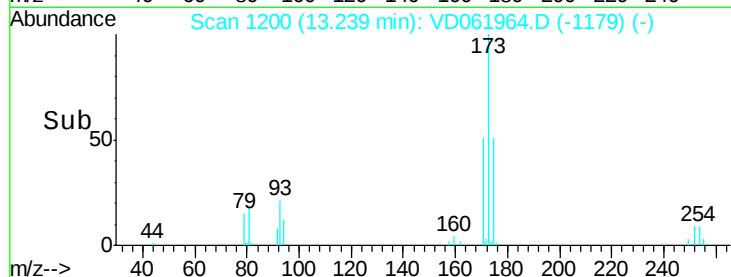
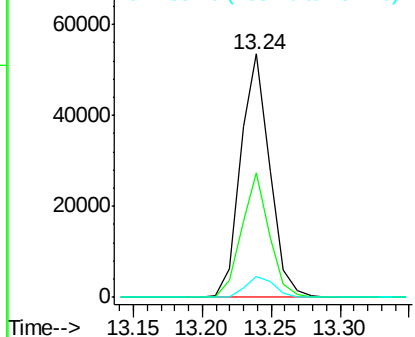
#71
Bromoform
Concen: 17.780 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 78782
Ion Ratio Lower Upper
173 100
175 51.3 24.4 73.4
254 8.7 5.4 8.2#

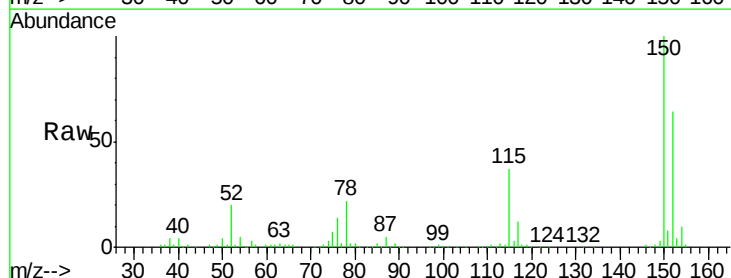


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

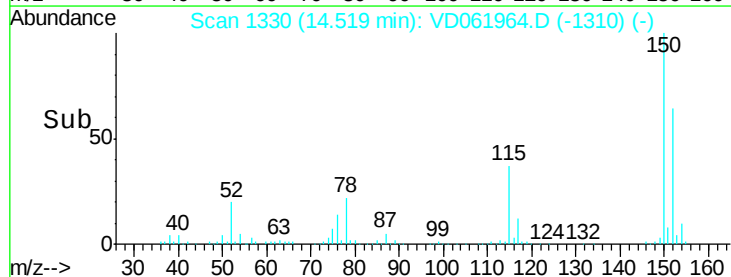
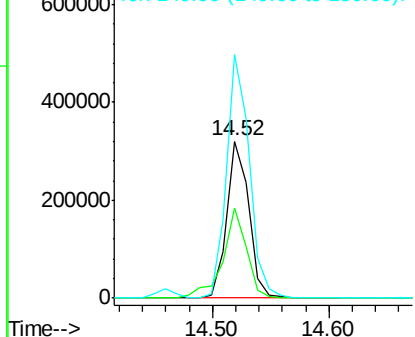


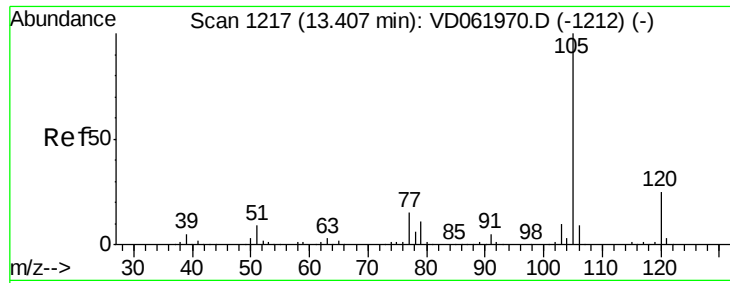
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion:152 Resp: 417947
Ion Ratio Lower Upper
152 100
115 57.7 30.9 92.7
150 155.4 0.0 314.8



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





#73

Isopropylbenzene

Concen: 20.083 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

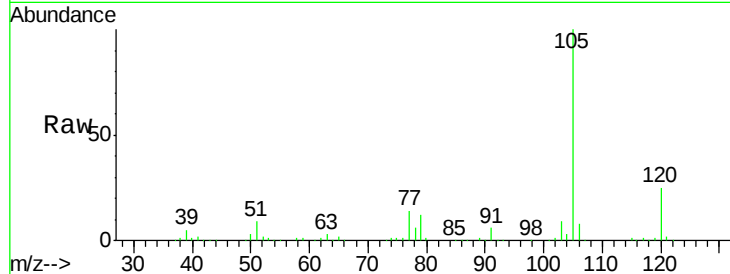
VSTDIC020

Tot Ion:105 Resp: 535246

Ion Ratio Lower Upper

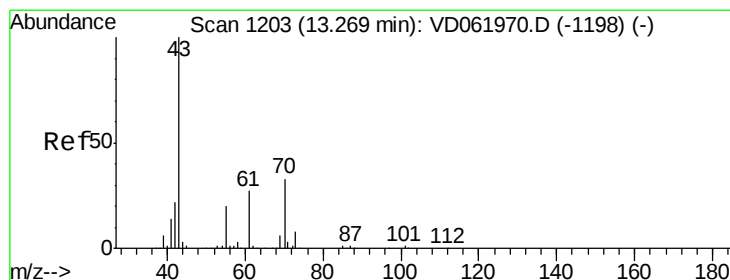
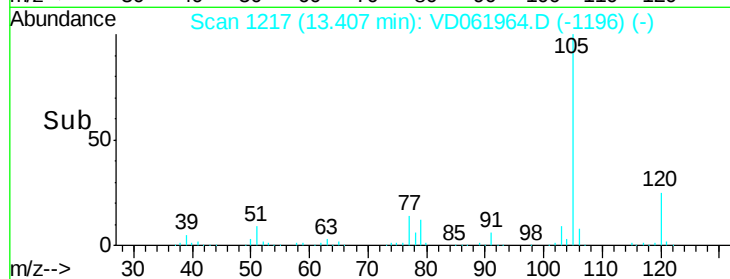
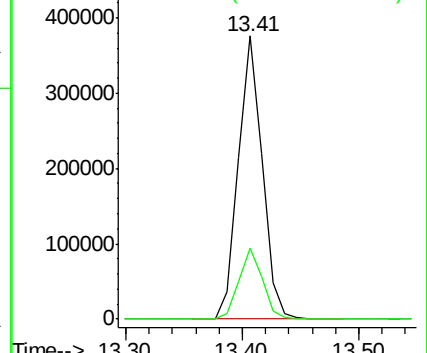
105 100

120 24.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.199 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Tgt Ion: 43 Resp: 131930

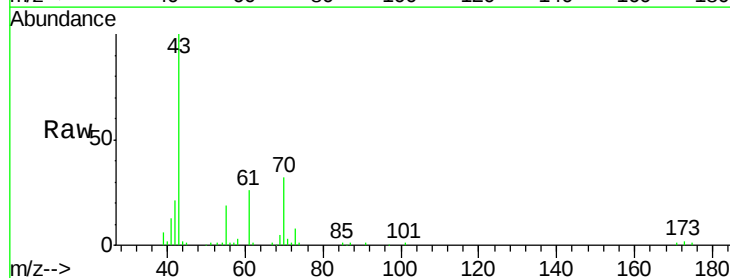
Ion Ratio Lower Upper

43 100

70 32.3 24.2 36.4

55 18.6 16.0 24.0

61 25.9 21.6 32.4

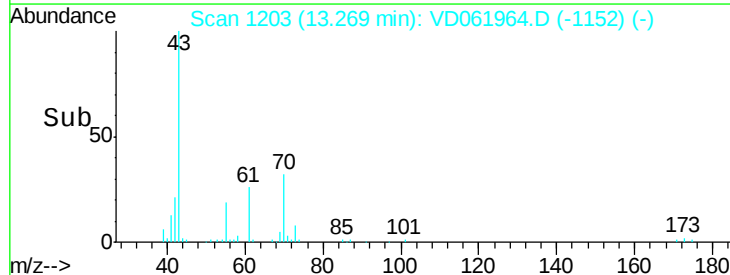
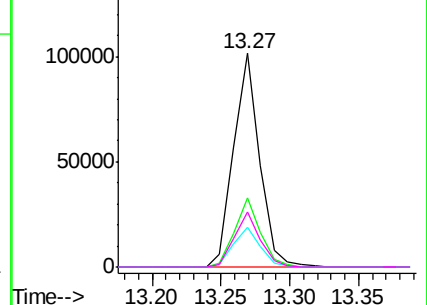


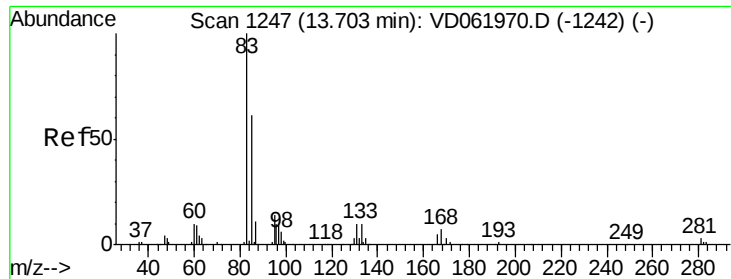
Abundance Ion 42.95 (42.65 to 43.65): V

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: 17.251 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

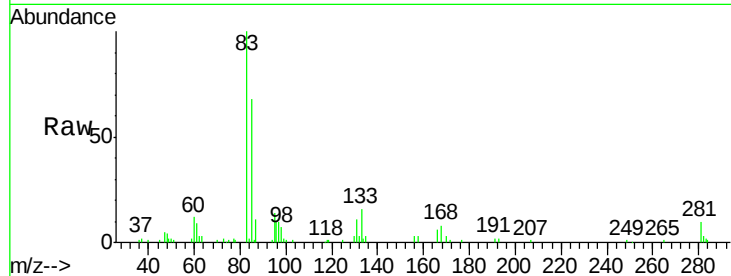
Tot Ion: 83 Resp: 99105

Ion Ratio Lower Upper

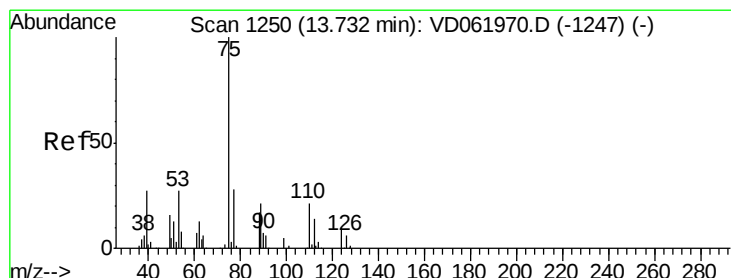
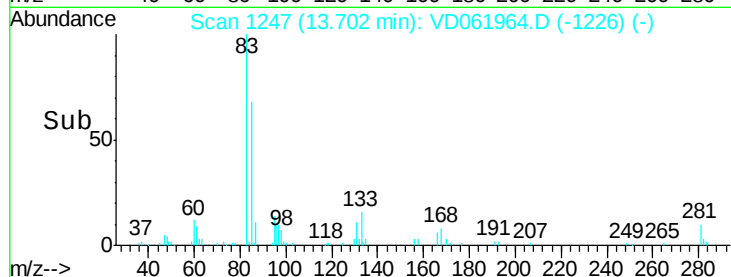
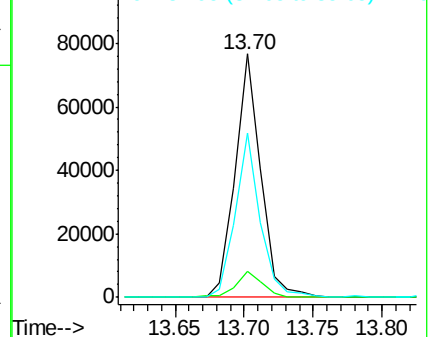
83 100

131 10.6 5.0 14.9

85 67.6 32.6 97.7



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: 17.009 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061964.D

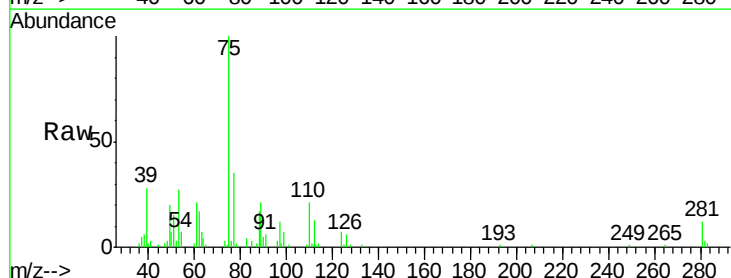
Acq: 23 Apr 2019 11:28

Tgt Ion: 75 Resp: 94398

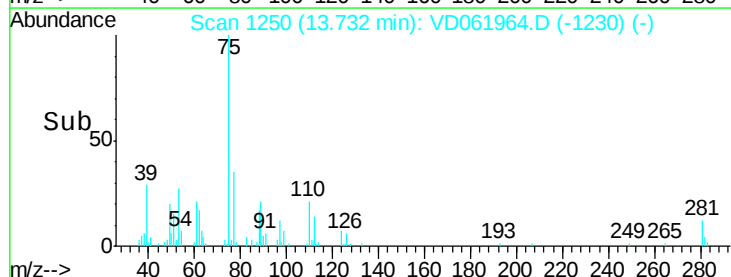
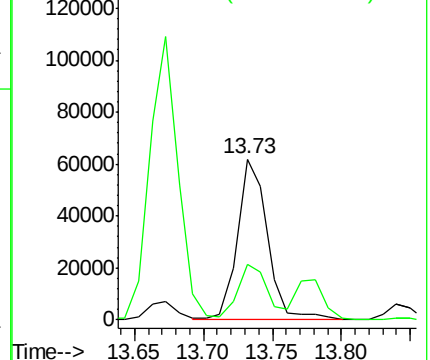
Ion Ratio Lower Upper

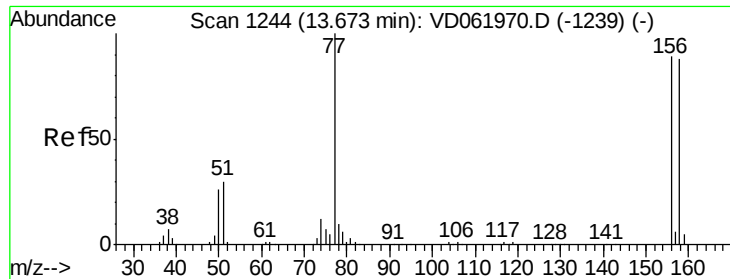
75 100

77 34.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 16.758 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

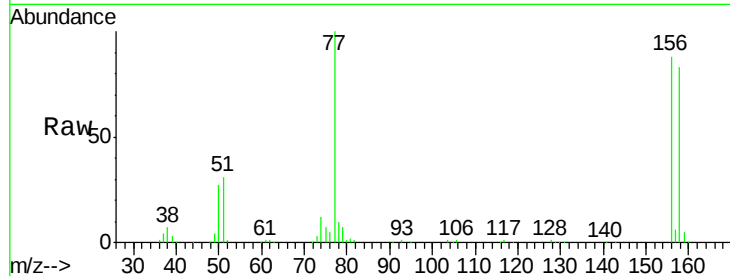
Tot Ion:156 Resp: 131502

Ion Ratio Lower Upper

156 100

77 114.2 53.1 159.4

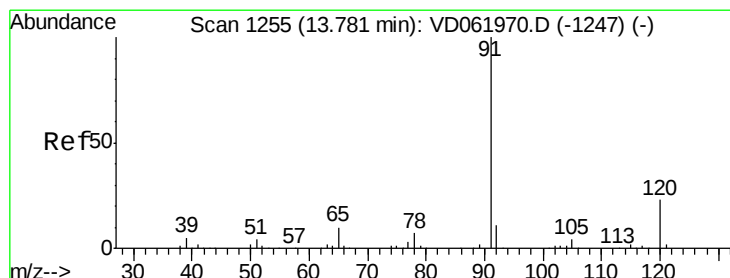
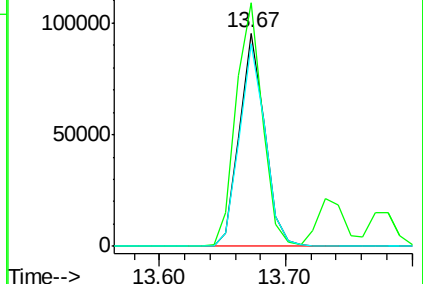
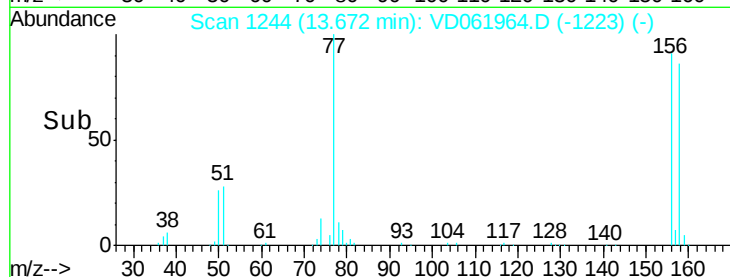
158 95.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.427 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061964.D

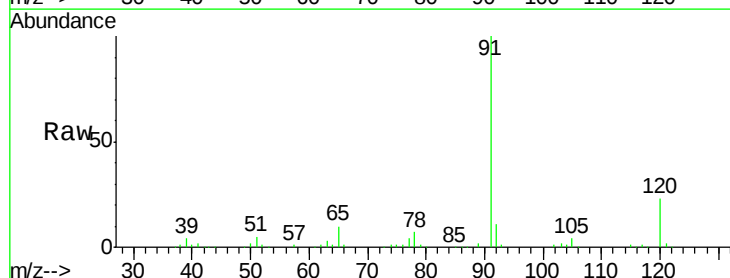
Acq: 23 Apr 2019 11:28

Tgt Ion: 91 Resp: 582998

Ion Ratio Lower Upper

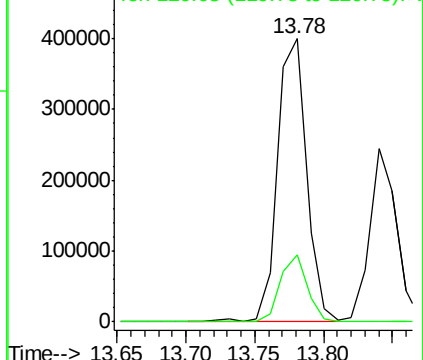
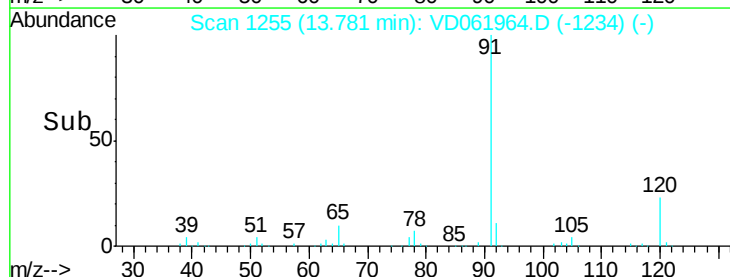
91 100

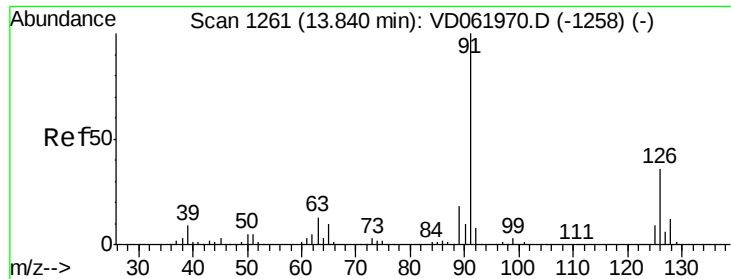
120 23.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

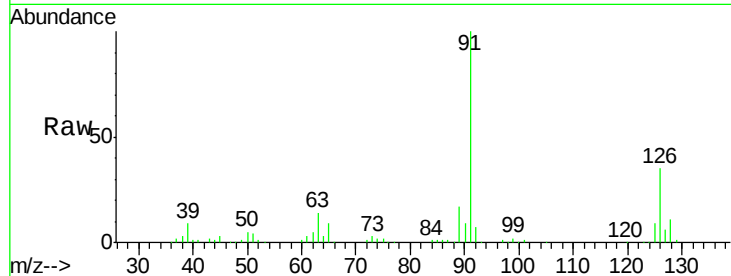




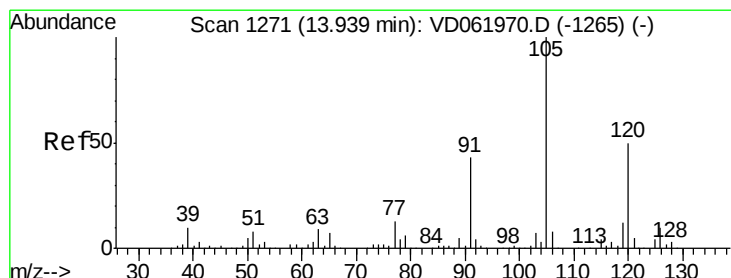
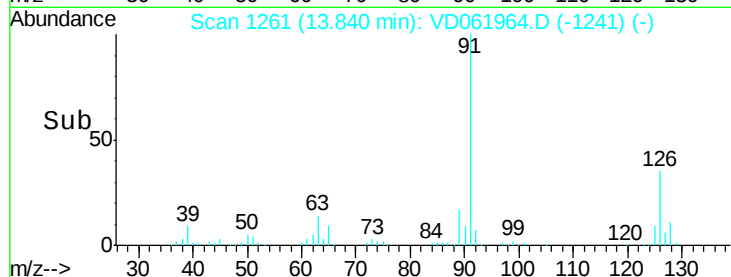
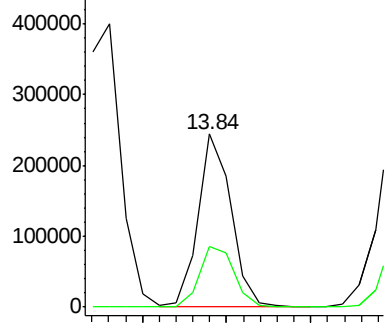
#79
 2-Chlorotoluene
 Concen: 17.489 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 330672
 Ion Ratio Lower Upper
 91 100
 126 35.1 18.6 55.8

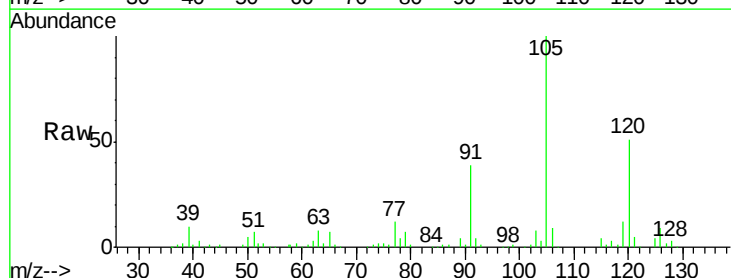


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

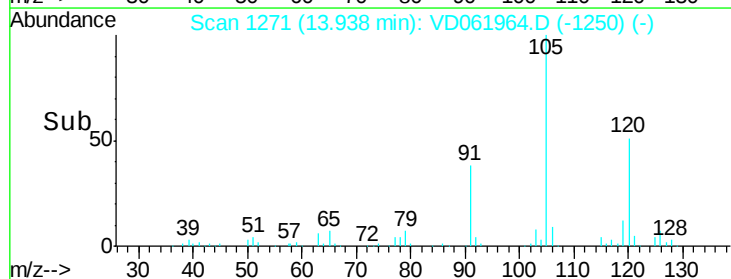
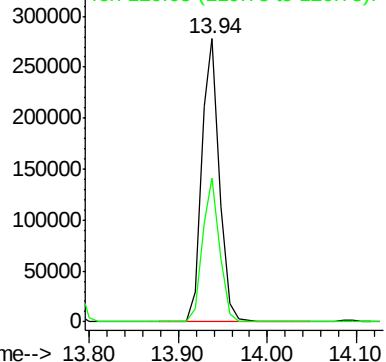


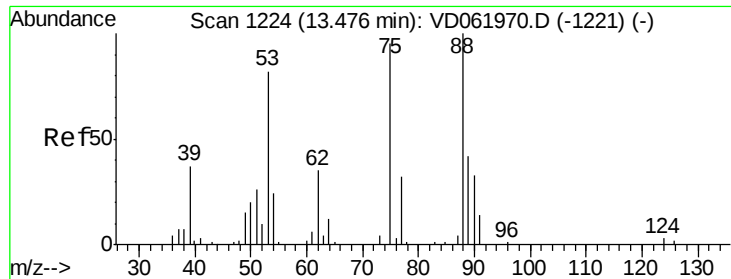
#80
 1,3,5-Trimethylbenzene
 Concen: 17.441 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 105 Resp: 389080
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

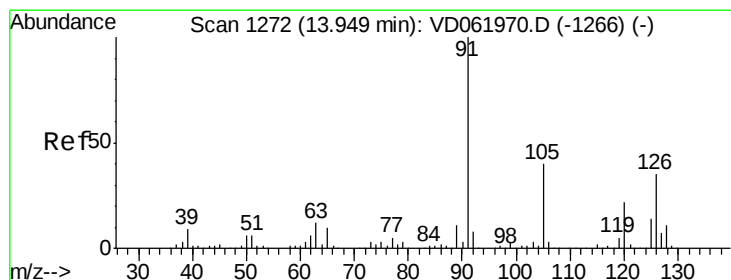
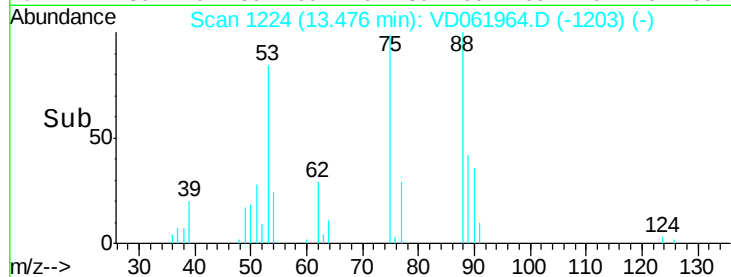
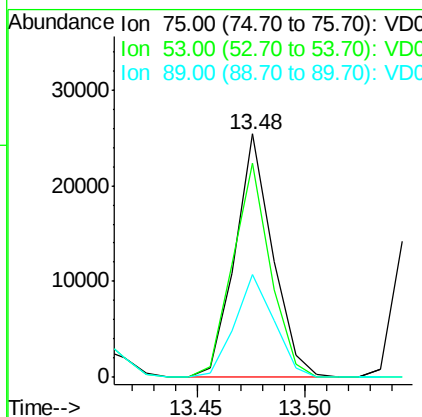
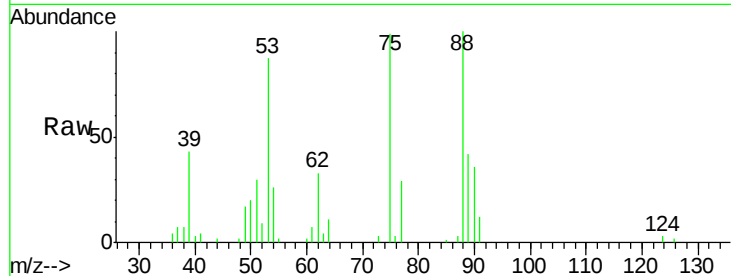




#81
trans-1,4-Dichloro-2-butene
Concen: 18.705 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

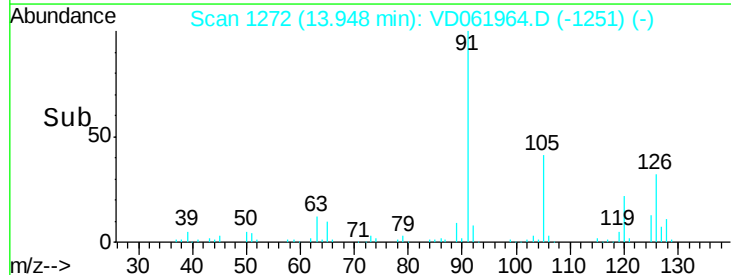
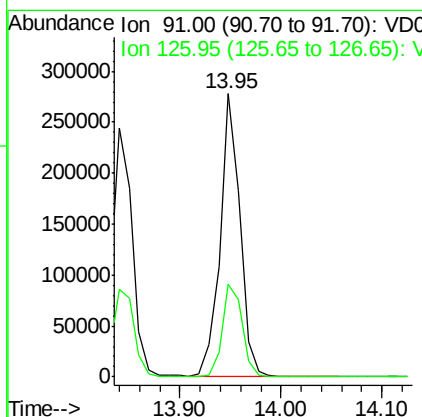
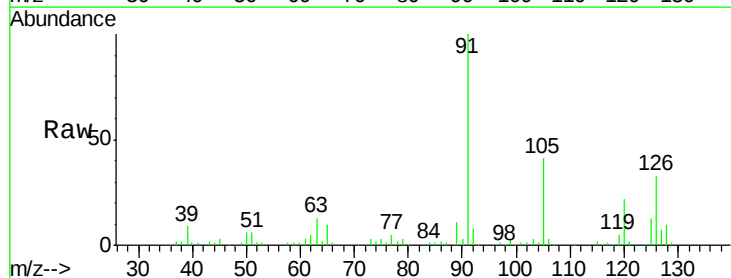
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

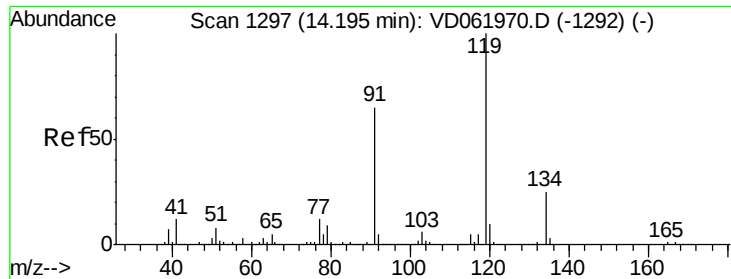
Tot Ion: 75 Resp: 30693
Ion Ratio Lower Upper
75 100
53 88.1 65.8 98.8
89 42.4 35.0 52.6



#82
4-Chlorotoluene
Concen: 17.916 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 91 Resp: 381674
Ion Ratio Lower Upper
91 100
126 32.8 19.1 57.5





#83

tert-Butylbenzene

Concen: 17.966 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD061964.D

Acq: 23 Apr 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

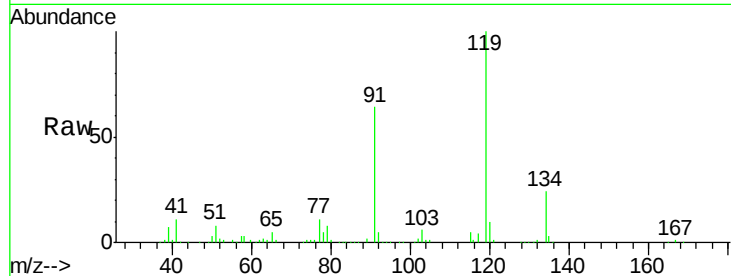
Tot Ion:119 Resp: 454977

Ion Ratio Lower Upper

119 100

91 63.9 34.2 102.6

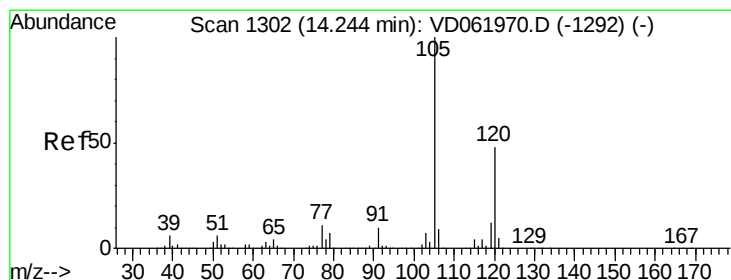
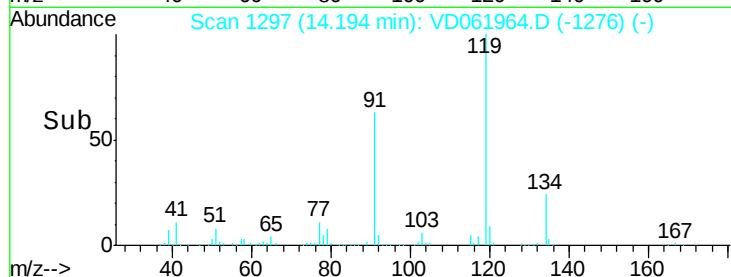
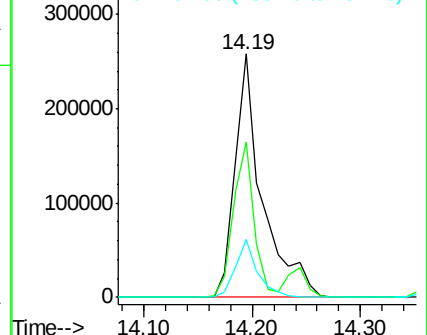
134 23.7 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.318 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061964.D

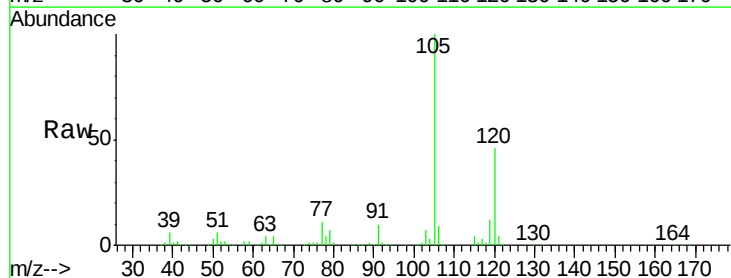
Acq: 23 Apr 2019 11:28

Tgt Ion:105 Resp: 422646

Ion Ratio Lower Upper

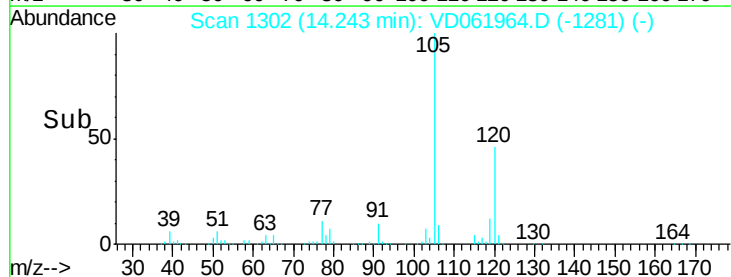
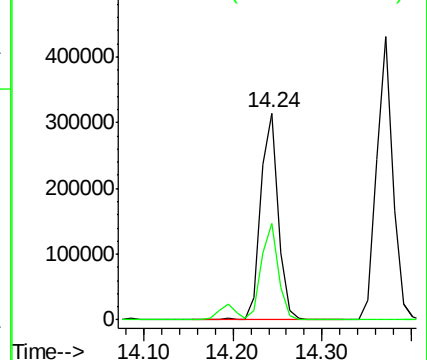
105 100

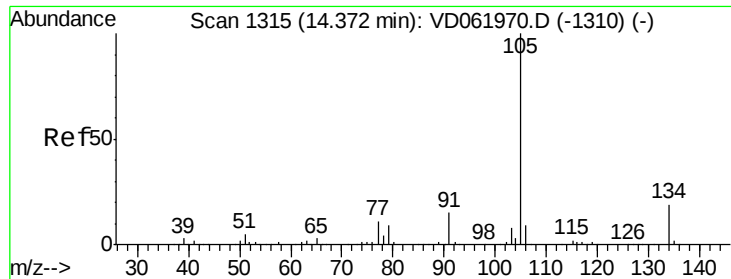
120 46.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

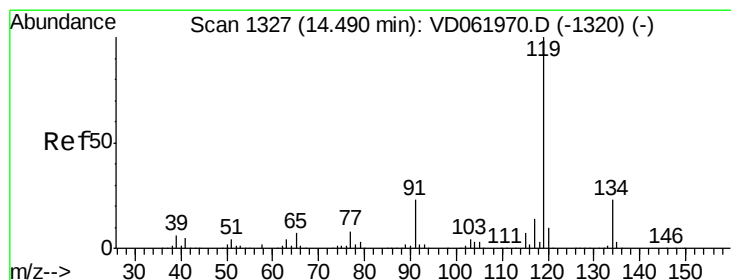
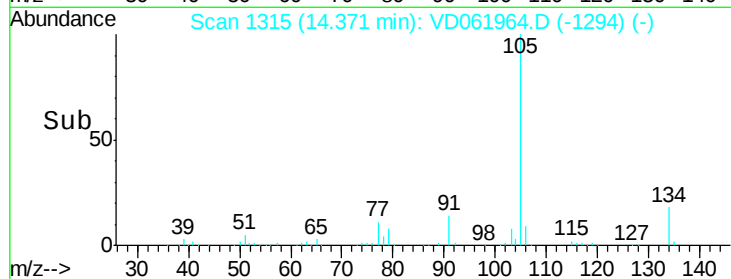
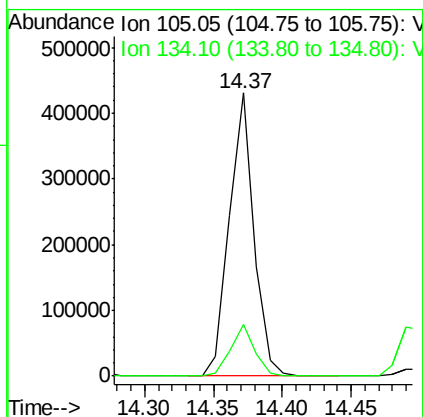
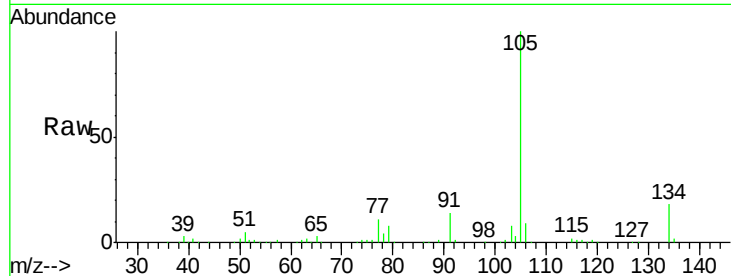




#85
 sec-Butylbenzene
 Concen: 19.570 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

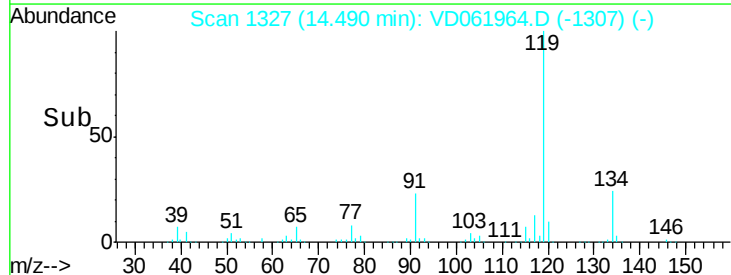
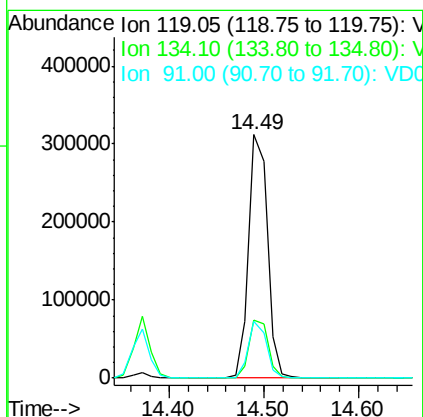
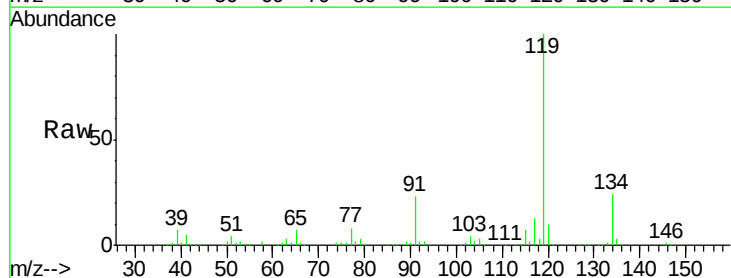
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

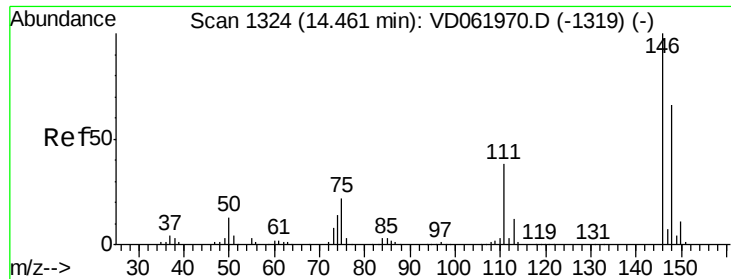
Tot Ion:105 Resp: 533435
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 17.325 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion:119 Resp: 432357
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.8 38.3
 91 23.3 10.7 32.1

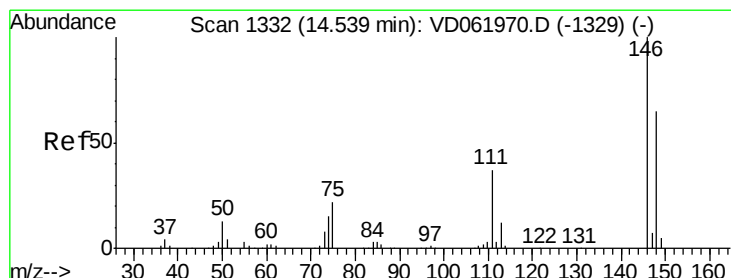
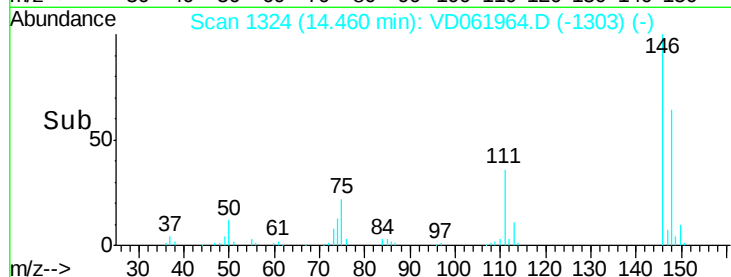
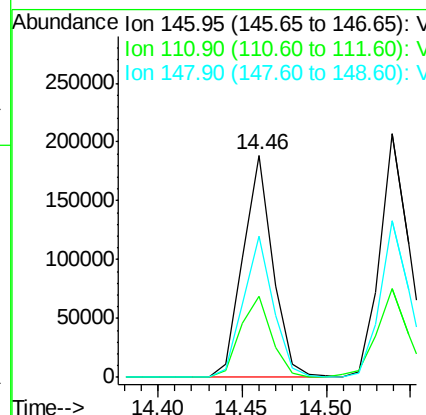
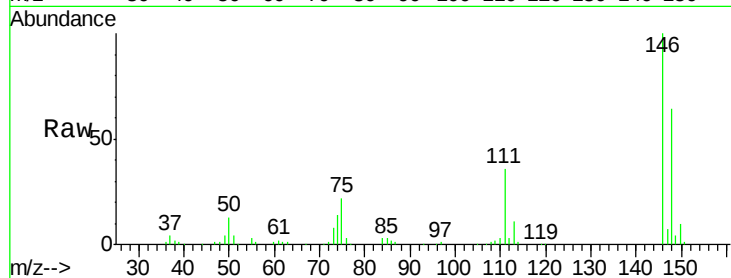




#87
 1,3-Dichlorobenzene
 Concen: 16.450 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

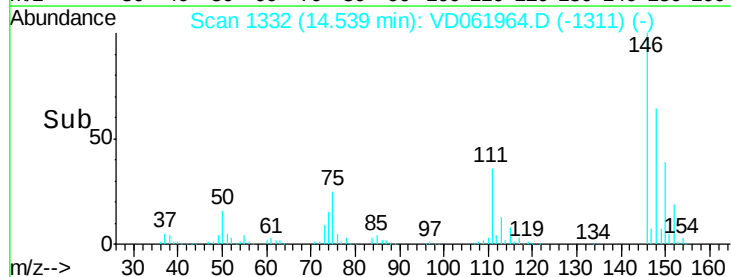
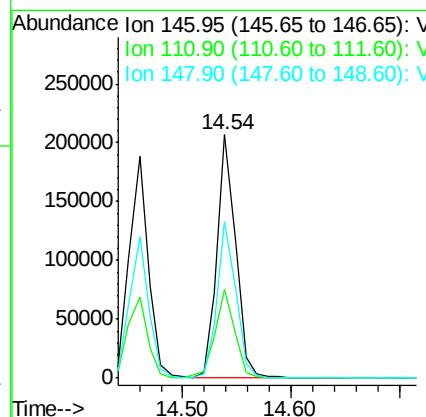
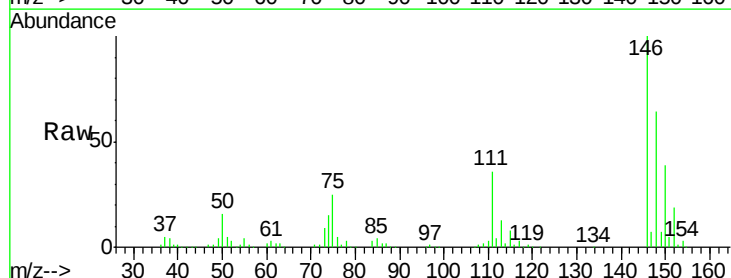
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

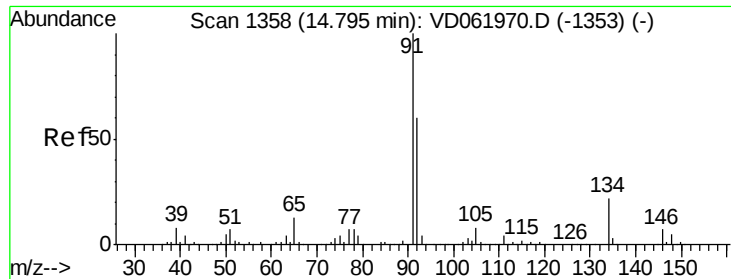
Tot Ion:146 Resp: 233428
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.0 60.0
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.609 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion:146 Resp: 248973
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.2 60.5
 148 64.2 32.0 96.2

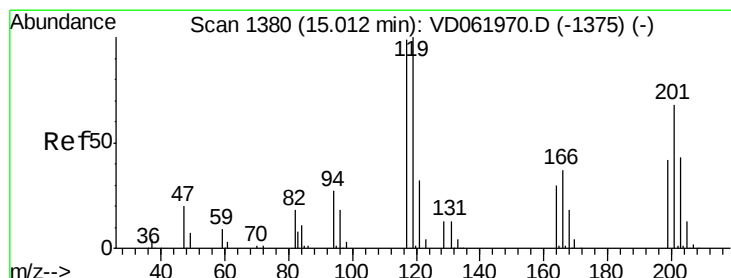
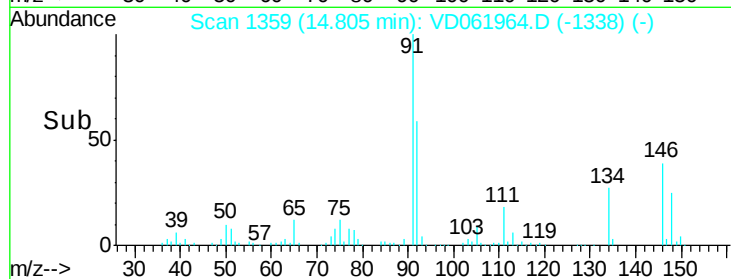
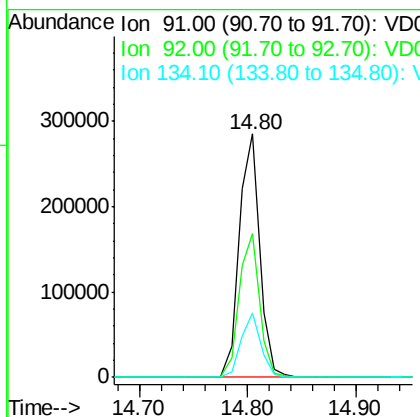
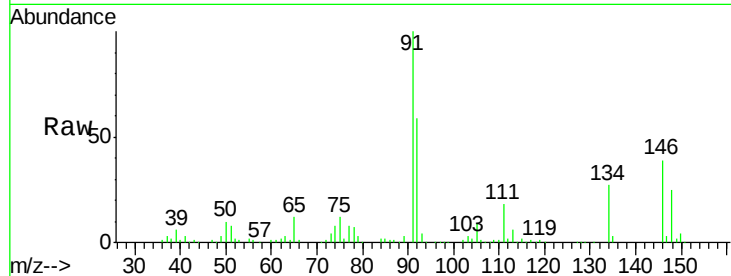




#89
n-Butylbenzene
Concen: 16.470 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

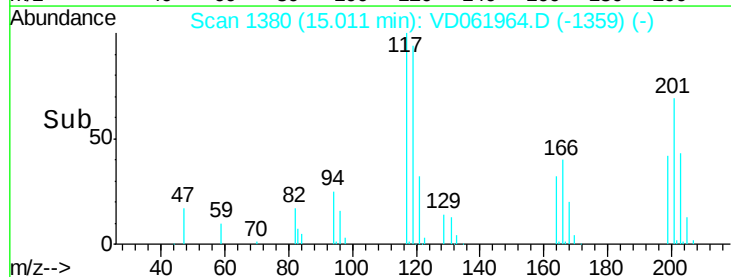
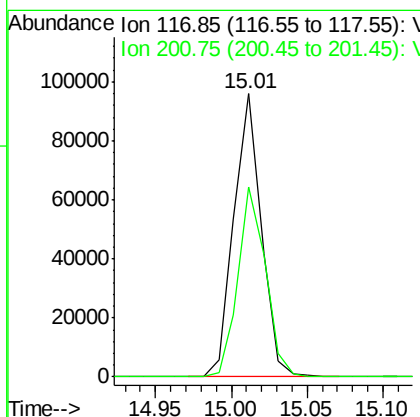
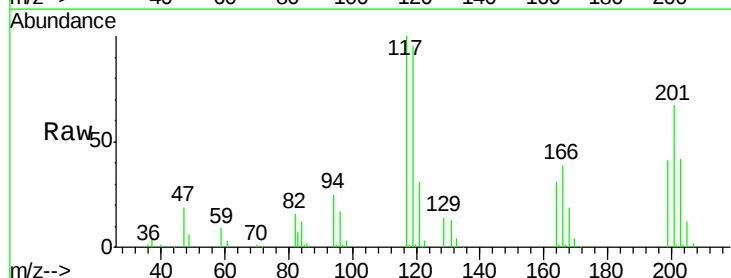
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

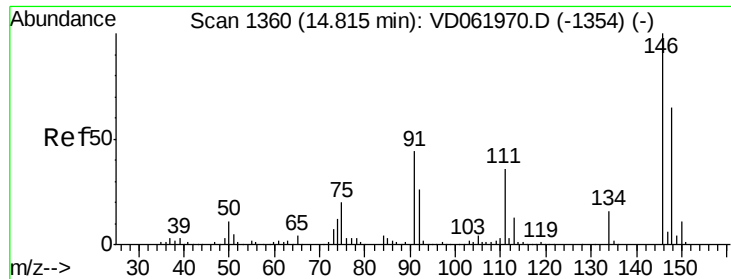
Tot Ion: 91 Resp: 373994
Ion Ratio Lower Upper
91 100
92 59.1 30.3 91.0
134 26.6 14.5 43.6



#90
Hexachloroethane
Concen: 17.271 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion: 117 Resp: 120375
Ion Ratio Lower Upper
117 100
201 67.1 30.2 90.6

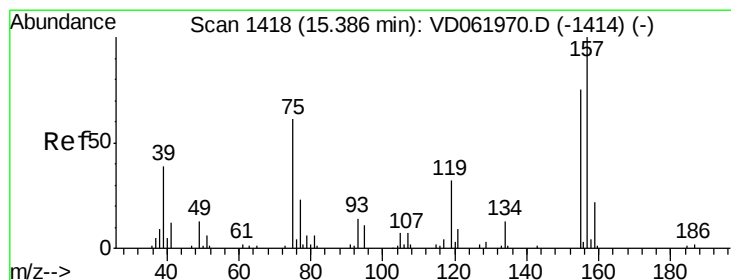
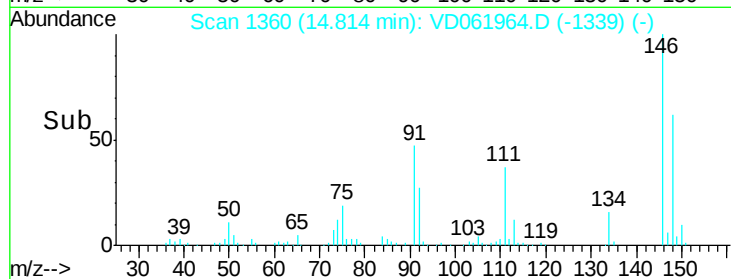
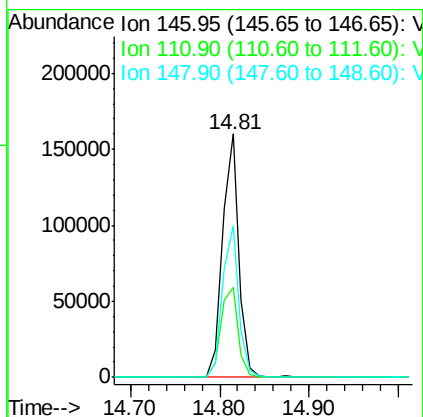
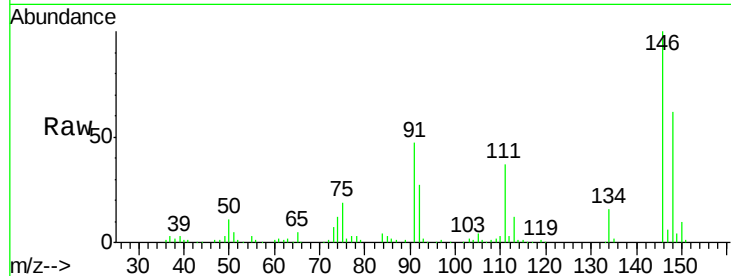




#91
 1,2-Dichlorobenzene
 Concen: 17.036 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

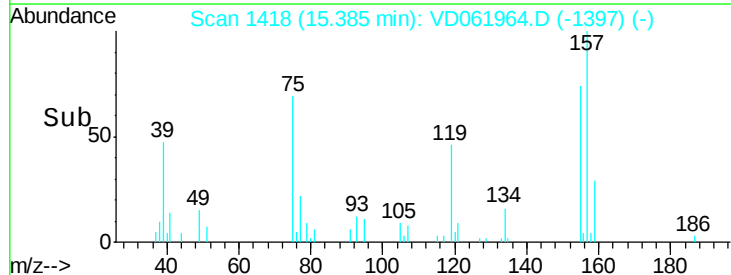
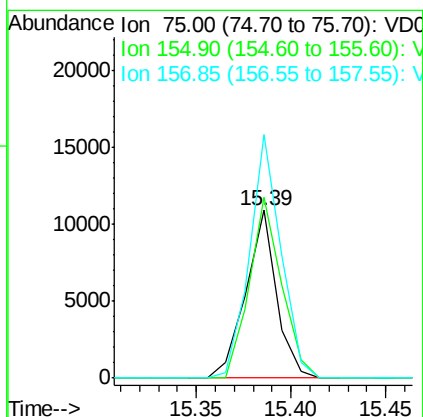
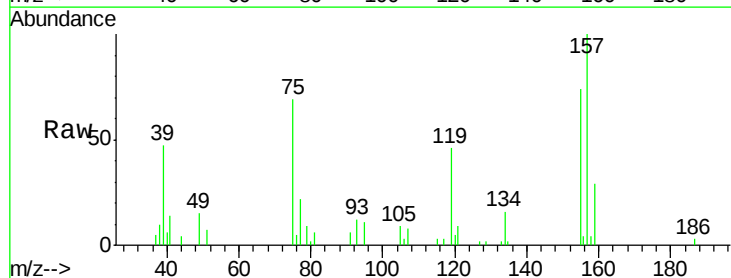
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

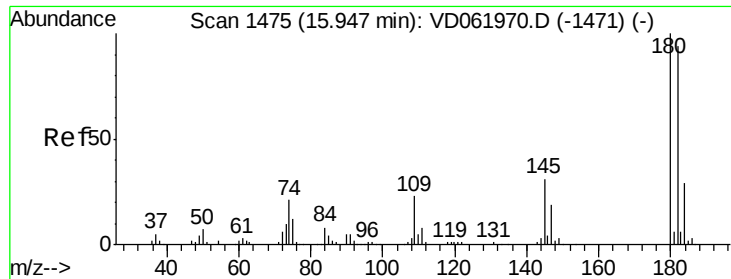
Tot Ion:146 Resp: 207278
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.0 59.9
 148 62.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.913 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion: 75 Resp: 12183
 Ion Ratio Lower Upper
 75 100
 155 107.7 55.3 165.8
 157 145.2 67.8 203.2

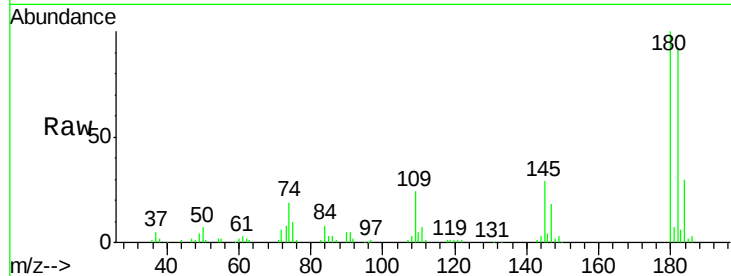




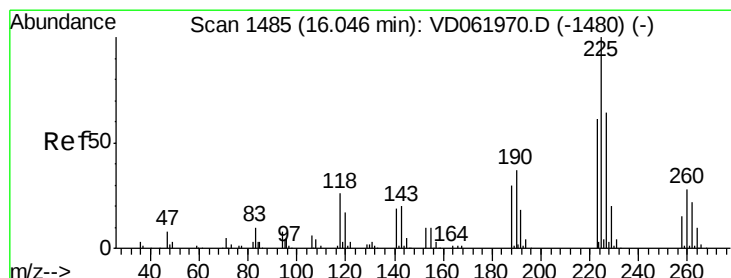
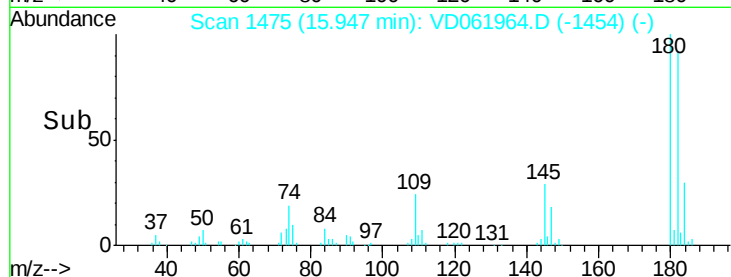
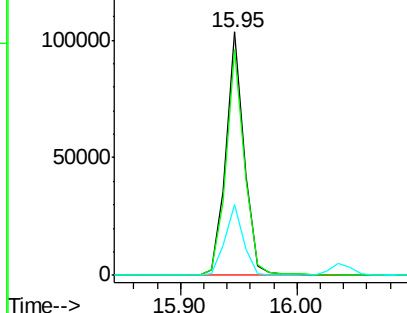
#93
 1,2,4-Trichlorobenzene
 Concen: 18.529 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 113044
 Ion Ratio Lower Upper
 180 100
 182 92.5 49.3 147.8
 145 29.0 16.2 48.6

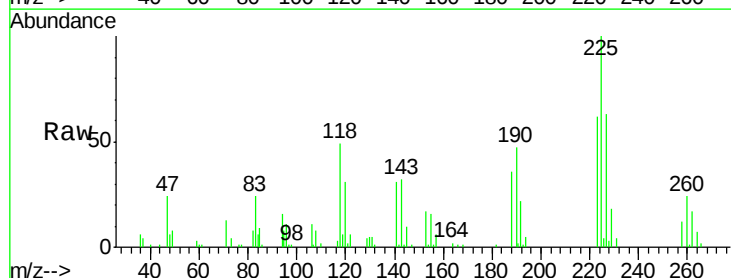


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

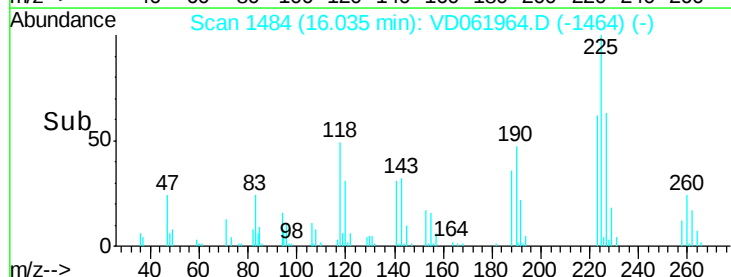
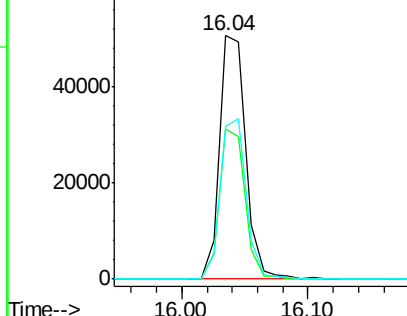


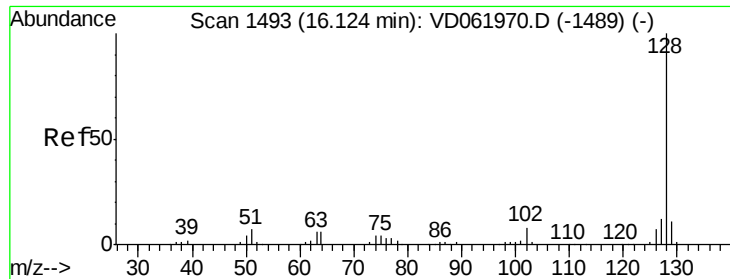
#94
 Hexachlorobutadiene
 Concen: 16.365 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061964.D
 Acq: 23 Apr 2019 11:28

Tgt Ion:225 Resp: 72680
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.6 92.0
 227 62.5 32.0 96.2



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

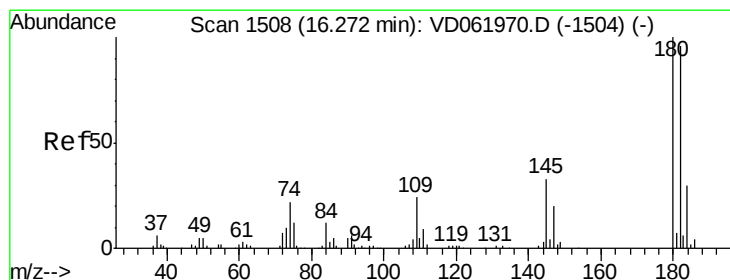
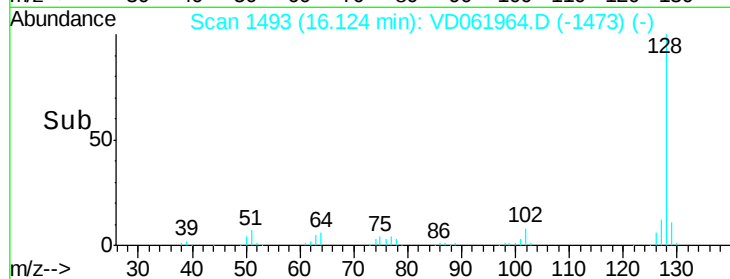
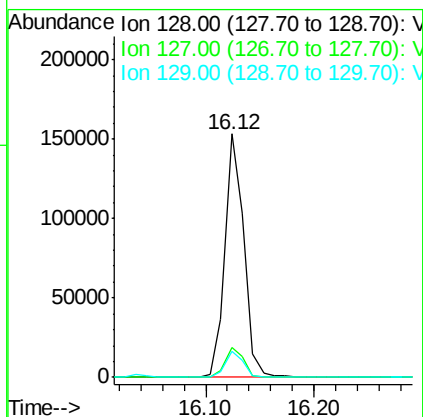
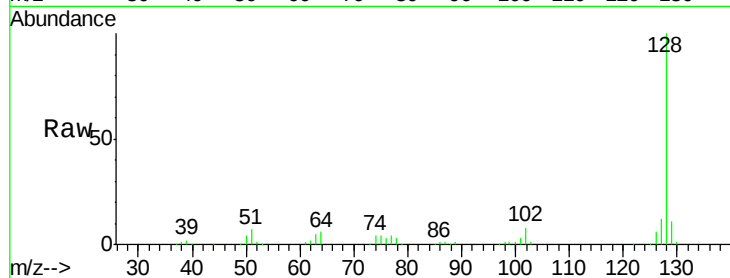




#95
Naphthalene
Concen: 19.056 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 186666
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.985 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061964.D
Acq: 23 Apr 2019 11:28

Tgt Ion:180 Resp: 64430
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.0
145 35.8 17.0 51.0

