

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060793.D
 Acq On : 28 Jan 2019 16:10
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 29 04:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 04:28:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	554012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	809151	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.17	117	636342	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.32	152	336340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	171224	23.24	ug/l	0.00
Spiked Amount			Recovery	=	46.48%	
35) Dibromofluoromethane	6.68	113	153603	21.14	ug/l	0.01
Spiked Amount			Recovery	=	42.28%	
50) Toluene-d8	10.19	98	364817	20.76	ug/l	0.00
Spiked Amount			Recovery	=	41.52%	
62) 4-Bromofluorobenzene	13.36	95	184863	21.57	ug/l	0.00
Spiked Amount			Recovery	=	43.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	115490	17.542	ug/l	97
3) Chloromethane	1.76	50	78052	19.997	ug/l	99
4) Vinyl Chloride	1.85	62	78960	19.651	ug/l	92
5) Bromomethane	2.14	94	17573	15.477	ug/l	89
6) Chloroethane	2.23	64	23759	19.008	ug/l #	85
7) Trichlorofluoromethane	2.48	101	155094	20.322	ug/l	99
8) Diethyl Ether	2.81	74	23598	21.604	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.06	101	84758	22.173	ug/l	94
10) Methyl Iodide	3.21	142	87925	20.780	ug/l	93
11) Tert butyl alcohol	3.93	59	43155	108.058	ug/l #	91
12) 1,1-Dichloroethene	3.04	96	56318	20.681	ug/l	98
13) Acrolein	2.95	56	20874	128.119	ug/l	89
14) Allyl chloride	3.50	41	128569	21.103	ug/l	92
15) Acrylonitrile	4.04	53	94556	96.223	ug/l	96
16) Acetone	3.13	43	110188	99.710	ug/l	98
17) Carbon Disulfide	3.28	76	211633	22.636	ug/l #	95
18) Methyl Acetate	3.51	43	45806	18.589	ug/l #	90
19) Methyl tert-butyl Ether	4.08	73	270425	20.672	ug/l	97
20) Methylene Chloride	3.68	84	127430	22.619	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	110376	20.945	ug/l	93
22) Diisopropyl ether	4.89	45	351191	19.931	ug/l	89
23) Vinyl Acetate	4.83	43	1033415	104.102	ug/l	100
24) 1,1-Dichloroethane	4.76	63	215895	19.350	ug/l	97
25) 2-Butanone	5.84	43	147117	93.417	ug/l	99
26) 2,2-Dichloropropane	5.79	77	237968	21.818	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	115839	20.499	ug/l	94
28) Bromochloromethane	6.20	49	91783	21.622	ug/l	90
29) Tetrahydrofuran	6.23	42	73771	95.088	ug/l	98
30) Chloroform	6.42	83	265058	20.912	ug/l	98
31) Cyclohexane	6.71	56	146872	18.196	ug/l	94
32) 1,1,1-Trichloroethane	6.63	97	260174	21.834	ug/l	98
36) 1,1-Dichloropropene	6.91	75	174133	17.770	ug/l	98
37) Ethyl Acetate	5.95	43	80929	18.550	ug/l #	94
38) Carbon Tetrachloride	6.87	117	221278	18.879	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	156000	17.996	ug/l	97
40) Benzene	7.22	78	354321	17.588	ug/l	97
41) Methacrylonitrile	6.21	41	93331	32.995	ug/l	96
42) 1,2-Dichloroethane	7.34	62	214914	20.620	ug/l	99
43) Isopropyl Acetate	9.01	43	106067	17.588	ug/l	99
44) Trichloroethene	8.31	130	121099	18.020	ug/l	90
45) 1,2-Dichloropropane	8.71	63	101047	19.182	ug/l	97
46) Dibromomethane	8.83	93	78476	19.357	ug/l	93
47) Bromodichloromethane	9.14	83	217704	20.878	ug/l	96
48) Methyl methacrylate	8.89	41	67331	16.579	ug/l	95
49) 1,4-Dioxane	8.86	88	11666	340.387	ug/l #	82
51) 4-Methyl-2-Pentanone	10.08	43	361153	93.531	ug/l	100
52) Toluene	10.29	92	226000	18.420	ug/l	93
53) t-1,3-Dichloropropene	10.69	75	184542	19.672	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	186883	19.300	ug/l	96
55) 1,1,2-Trichloroethane	10.98	97	78411	18.119	ug/l	96
56) Ethyl methacrylate	10.83	69	94689	18.255	ug/l	94
57) 1,3-Dichloropropane	11.19	76	139666	19.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	277554	106.260	ug/l	98
59) 2-Hexanone	11.32	43	256702	87.867	ug/l	97
60) Dibromochloromethane	11.48	129	139139	19.381	ug/l	98
61) 1,2-Dibromoethane	11.60	107	85732	16.992	ug/l	96
64) Tetrachloroethene	11.03	164	114401	19.089	ug/l	94
65) Chlorobenzene	12.20	112	277118	19.574	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	119634	19.827	ug/l	97
67) Ethyl Benzene	12.31	91	514000	20.290	ug/l	100
68) m/p-Xylenes	12.46	106	348932	40.774	ug/l	97
69) o-Xylene	12.85	106	163782	20.259	ug/l	98
70) Styrene	12.88	104	263900	19.200	ug/l	95
71) Bromoform	13.03	173	90209	19.379	ug/l	98
73) Isopropylbenzene	13.20	105	494738	18.971	ug/l	99
74) N-amyl acetate	13.06	43	145530	17.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.51	83	90617	18.358	ug/l	94
76) 1,2,3-Trichloropropane	13.54	75	114331	19.516	ug/l	96
77) Bromobenzene	13.48	156	129189	19.122	ug/l	88
78) n-propylbenzene	13.57	91	657287	20.296	ug/l	96
79) 2-Chlorotoluene	13.64	91	401946	20.974	ug/l	95
80) 1,3,5-Trimethylbenzene	14.05	105	459218	20.973	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.28	75	31229	19.502	ug/l	89
82) 4-Chlorotoluene	13.75	91	472661	20.638	ug/l	98
83) tert-Butylbenzene	14.00	119	497862	21.283	ug/l	87
84) 1,2,4-Trimethylbenzene	14.05	105	459218	20.973	ug/l	96
85) sec-Butylbenzene	14.18	105	520505	19.663	ug/l	94
86) p-Isopropyltoluene	14.29	119	434410	19.241	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	232637	19.420	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	215859	17.910	ug/l	97
89) n-Butylbenzene	14.61	91	455279	20.180	ug/l	97
90) Hexachloroethane	14.82	117	120163	19.182	ug/l	89
91) 1,2-Dichlorobenzene	14.62	146	200830	20.214	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	20423	18.377	ug/l	80

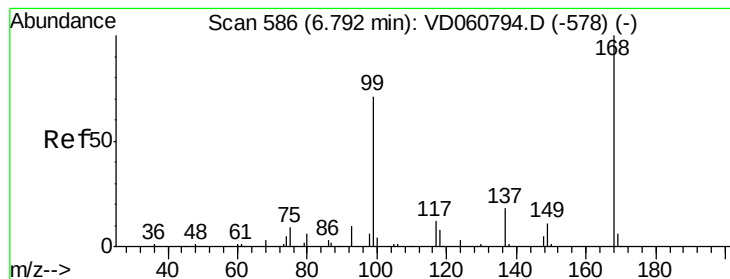
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	179471	19.834	ug/l	98
94) Hexachlorobutadiene	15.85	225	130877	19.585	ug/l	96
95) Naphthalene	15.93	128	274207	19.779	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	149786	19.474	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

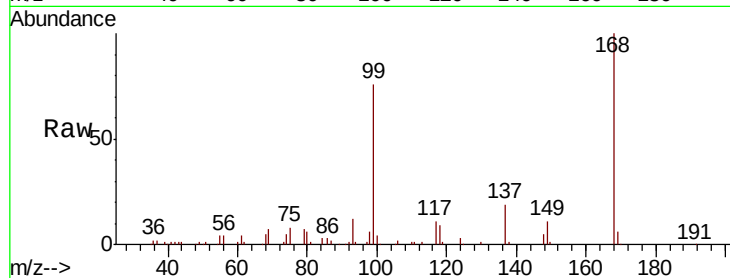
VSTDIC020

Tgt Ion:168 Resp: 554012

Ion Ratio Lower Upper

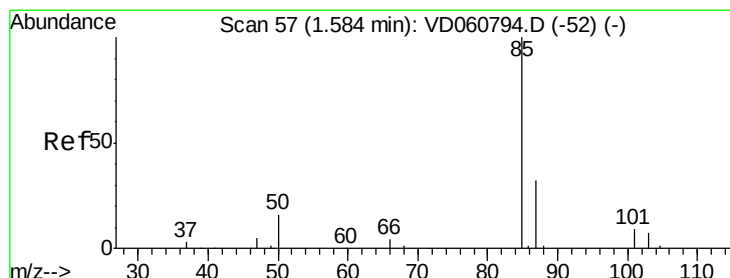
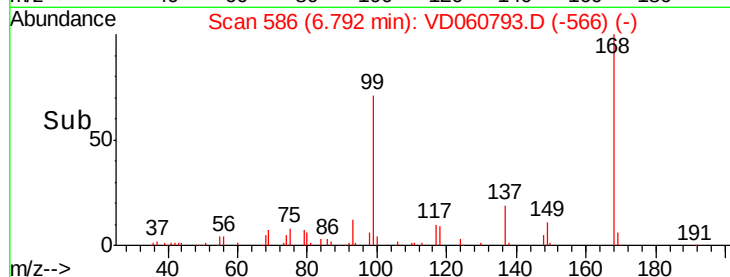
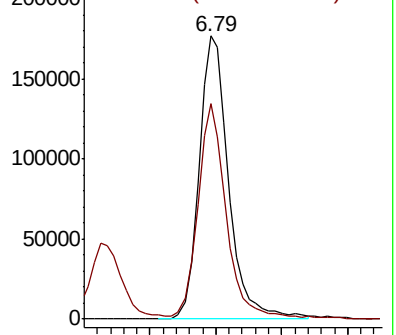
168 100

99 76.4 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.542 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060793.D

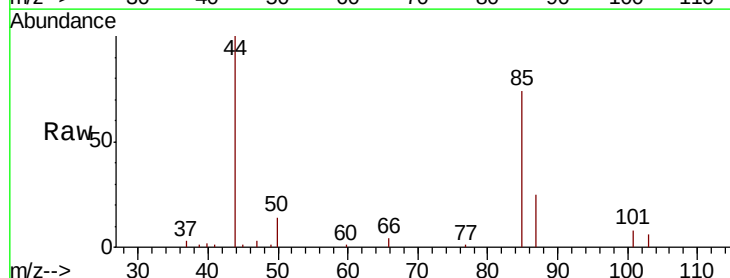
Acq: 28 Jan 2019 16:10

Tgt Ion: 85 Resp: 115490

Ion Ratio Lower Upper

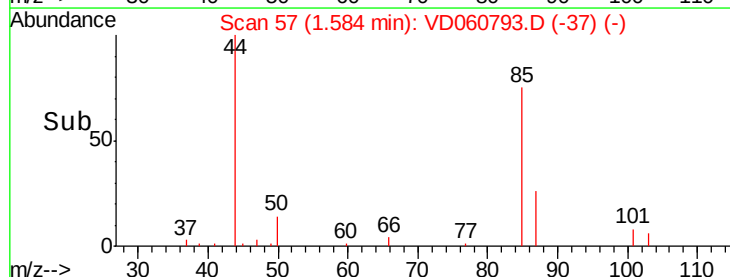
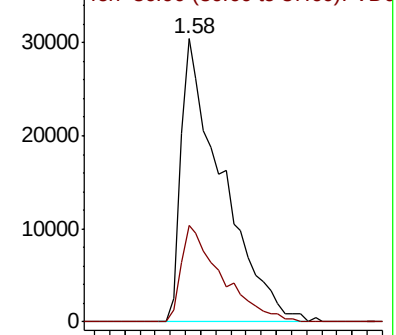
85 100

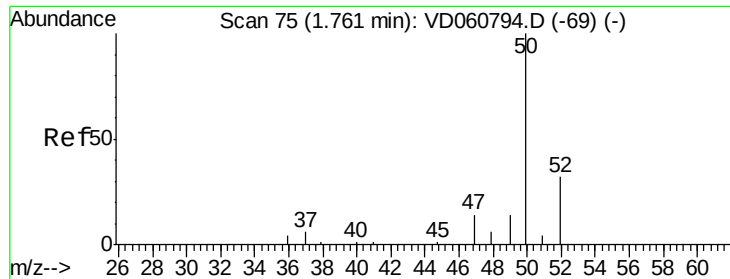
87 34.1 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.997 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

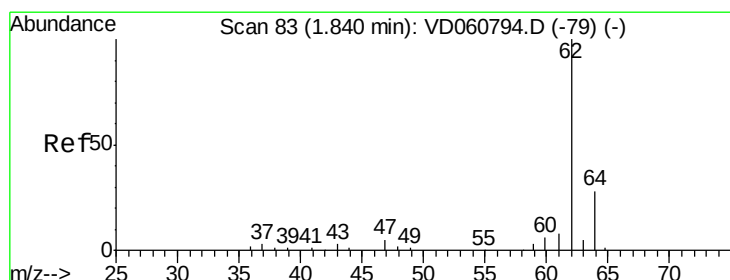
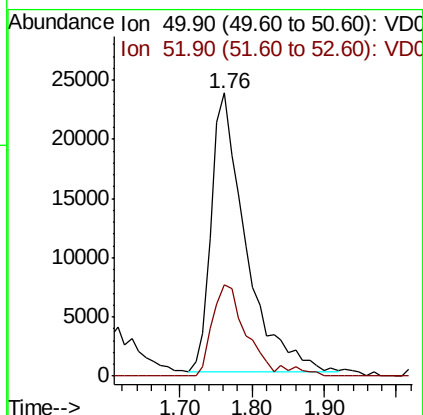
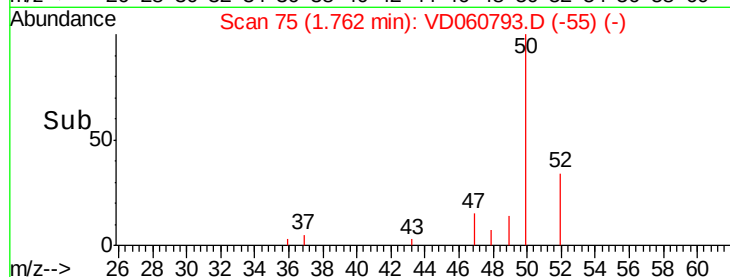
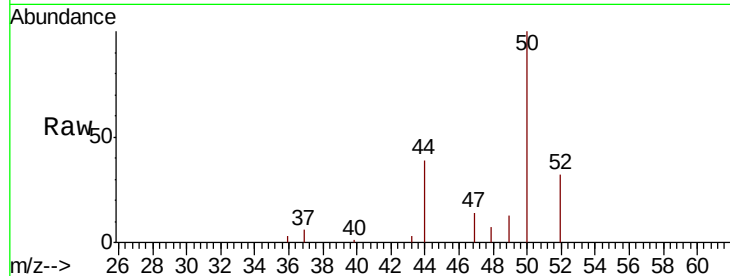
VSTDIC020

Tgt Ion: 50 Resp: 78052

Ion Ratio Lower Upper

50 100

52 32.3 25.2 37.8



#4

Vinyl Chloride

Concen: 19.651 ug/l

RT: 1.85 min Scan# 84

Delta R.T. 0.01 min

Lab File: VD060793.D

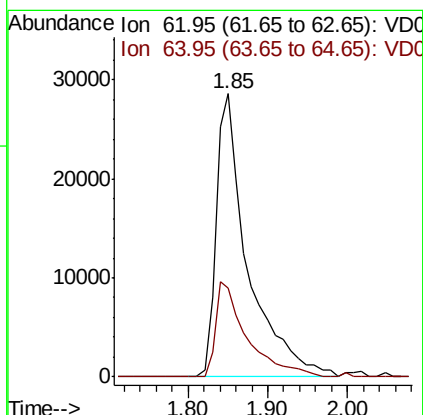
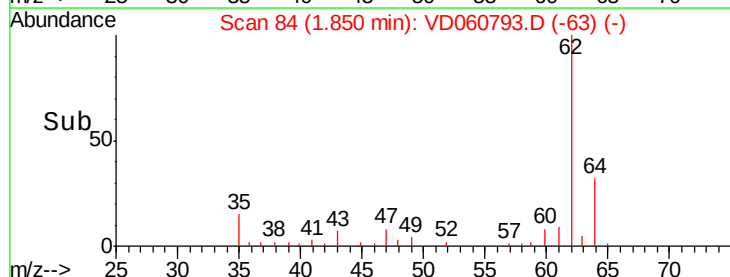
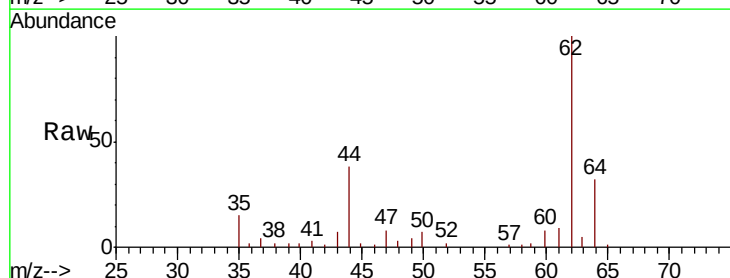
Acq: 28 Jan 2019 16:10

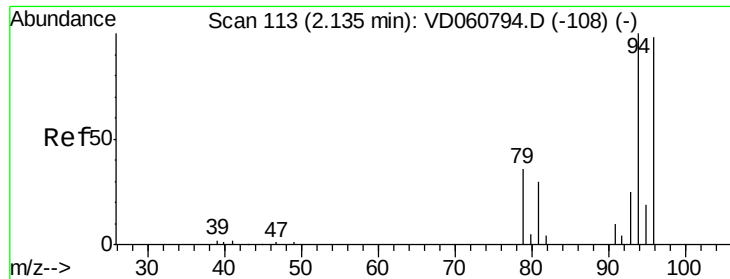
Tgt Ion: 62 Resp: 78960

Ion Ratio Lower Upper

62 100

64 31.6 22.1 33.1





#5

Bromomethane

Concen: 15.477 ug/l

RT: 2.14 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

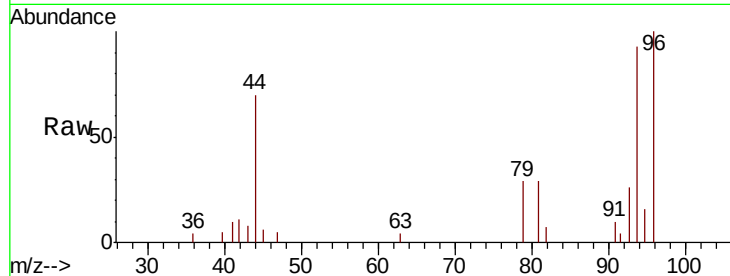
VSTDIC020

Tgt Ion: 94 Resp: 17573

Ion Ratio Lower Upper

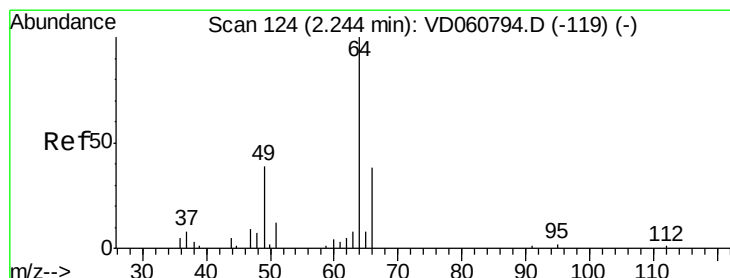
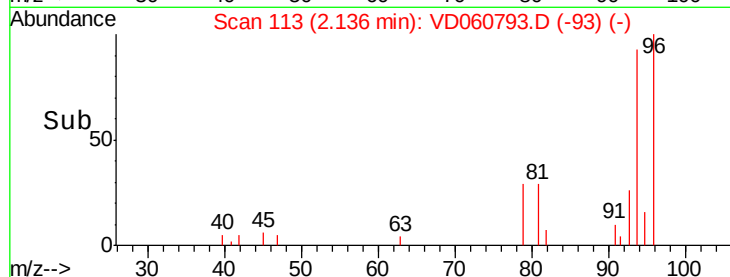
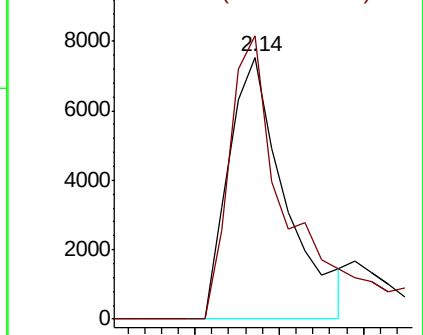
94 100

96 108.1 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.008 ug/l

RT: 2.23 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060793.D

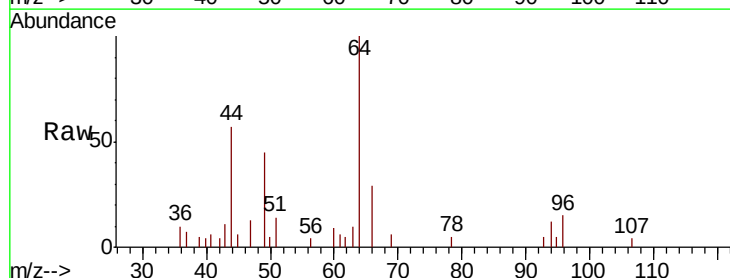
Acq: 28 Jan 2019 16:10

Tgt Ion: 64 Resp: 23759

Ion Ratio Lower Upper

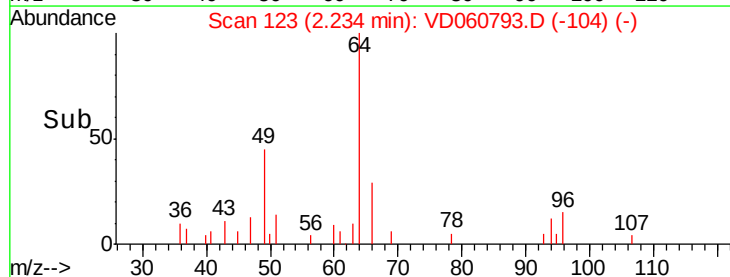
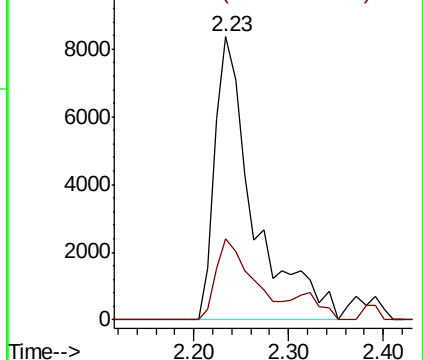
64 100

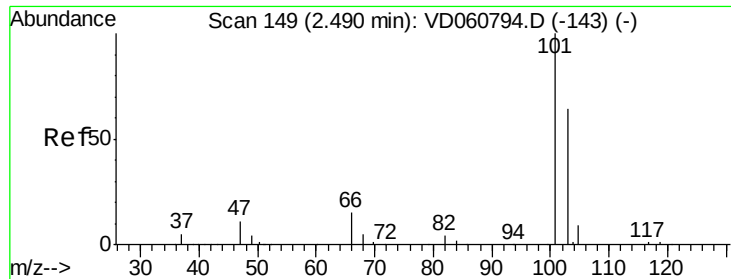
66 28.5 30.2 45.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



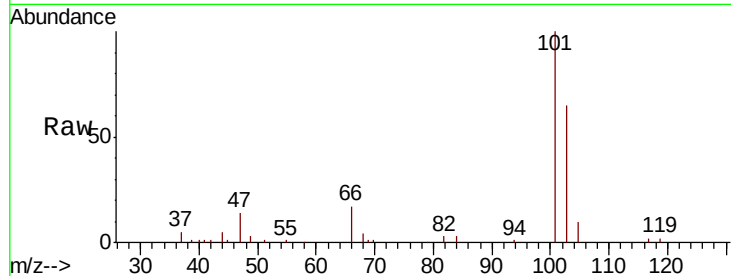


#7

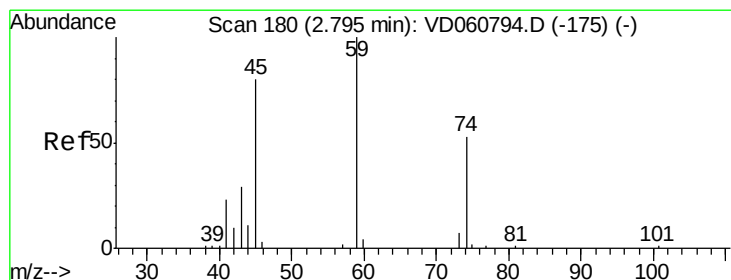
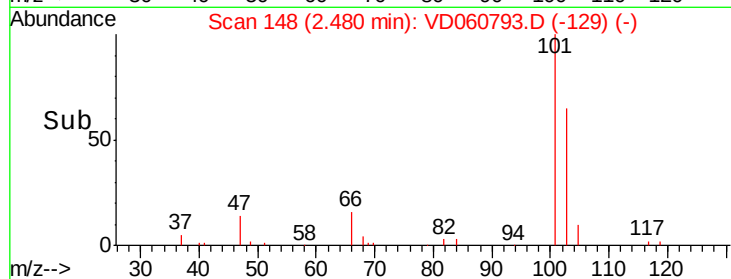
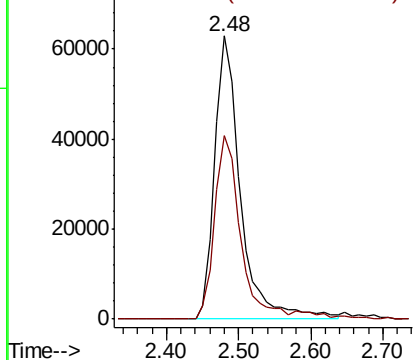
Trichlorofluoromethane
 Concen: 20.322 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 101 Resp: 155094
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.3 76.9



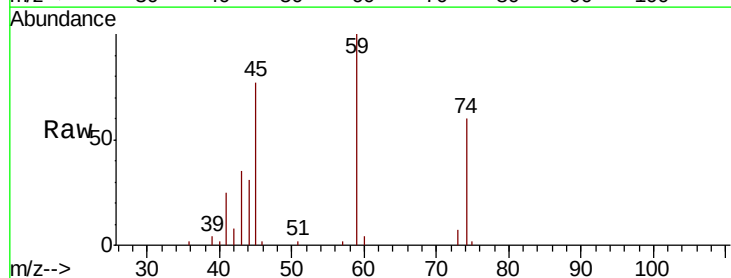
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



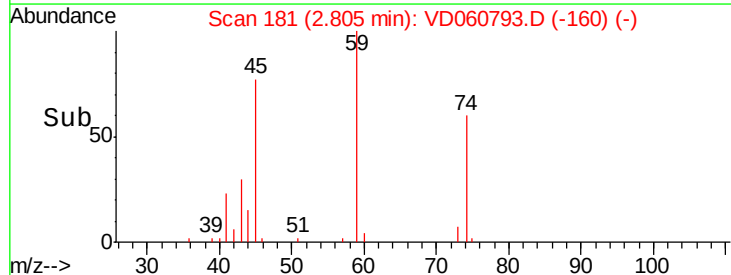
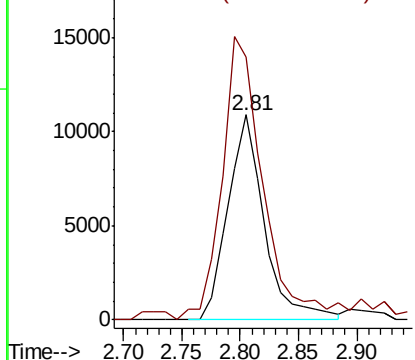
#8

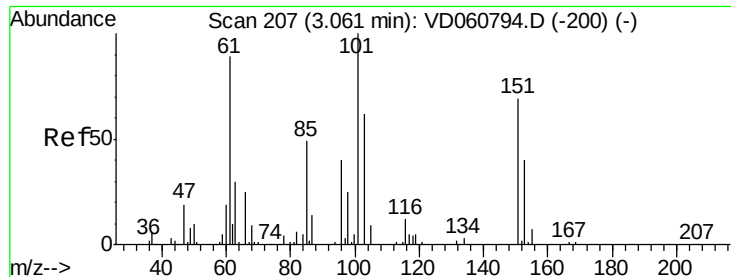
Diethyl Ether
 Concen: 21.604 ug/l
 RT: 2.81 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 74 Resp: 23598
 Ion Ratio Lower Upper
 74 100
 45 128.0 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.173 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

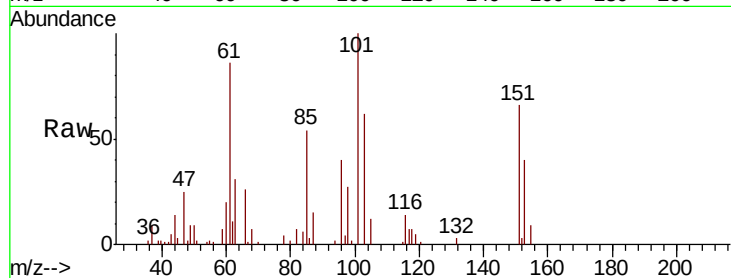
Tgt Ion:101 Resp: 84758

Ion Ratio Lower Upper

101 100

85 54.3 39.3 58.9

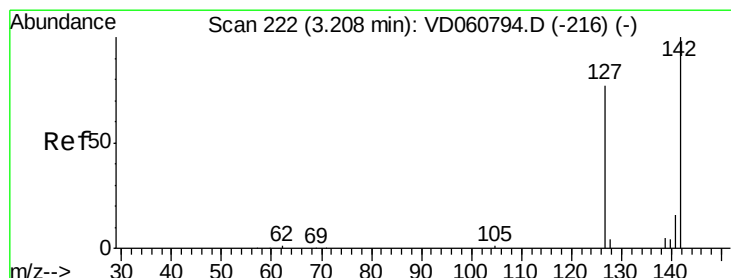
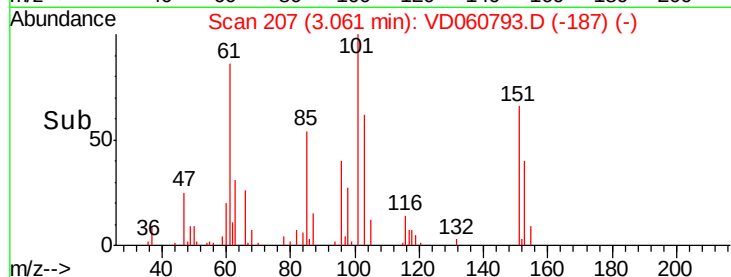
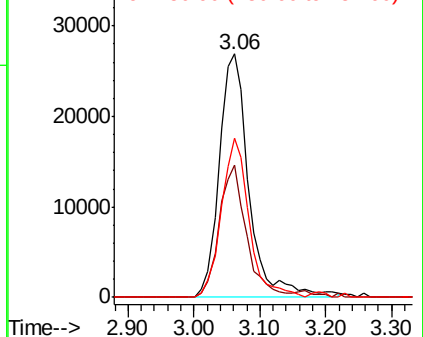
151 65.6 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.780 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

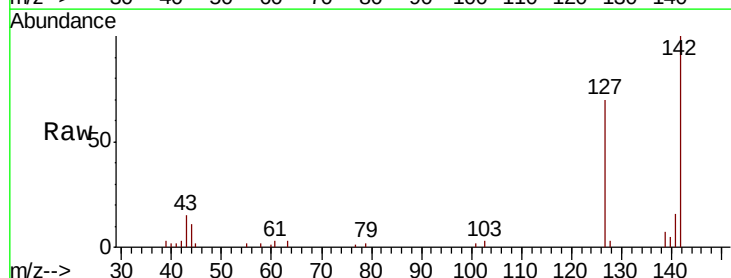
Tgt Ion:142 Resp: 87925

Ion Ratio Lower Upper

142 100

127 70.0 61.6 92.4

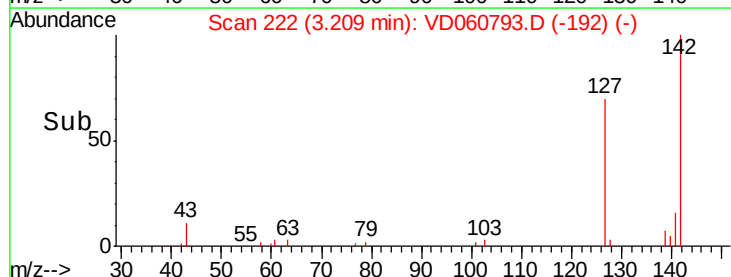
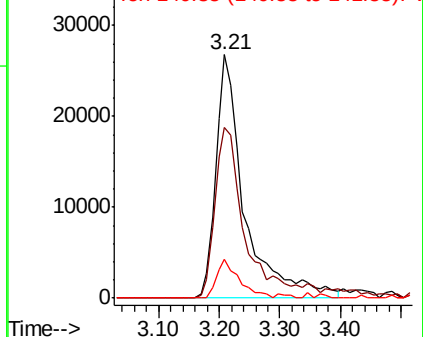
141 15.8 12.5 18.7

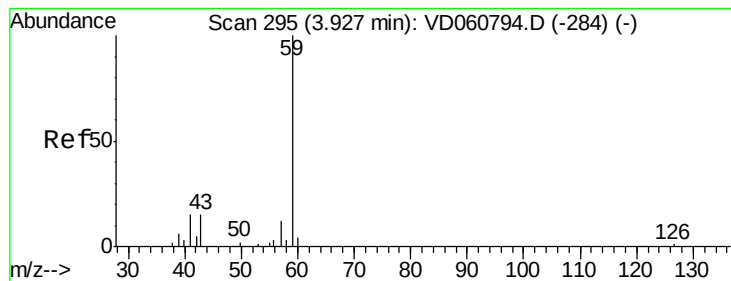


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



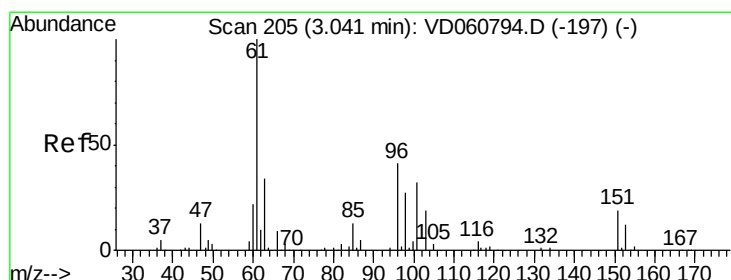
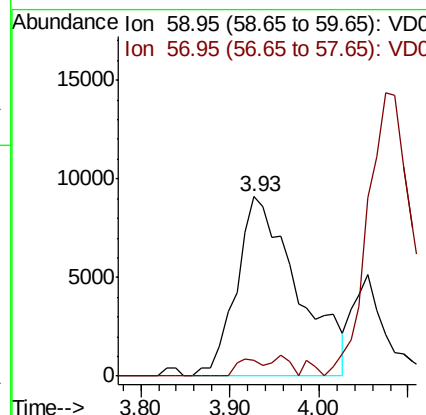
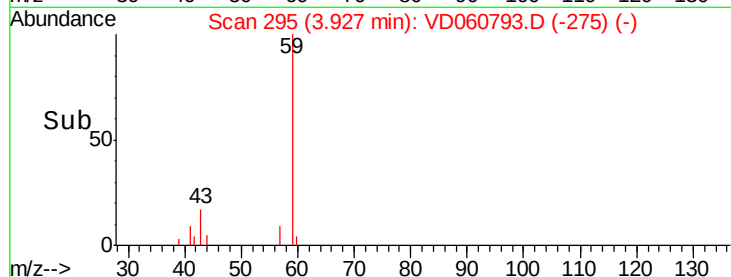
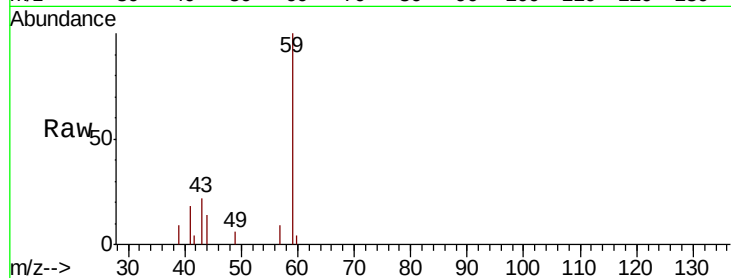


#11

Tert butyl alcohol
 Concen: 108.058 ug/l
 RT: 3.93 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

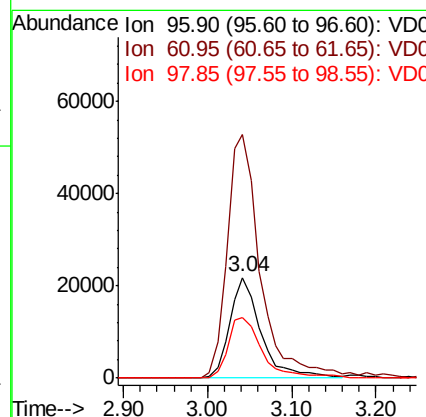
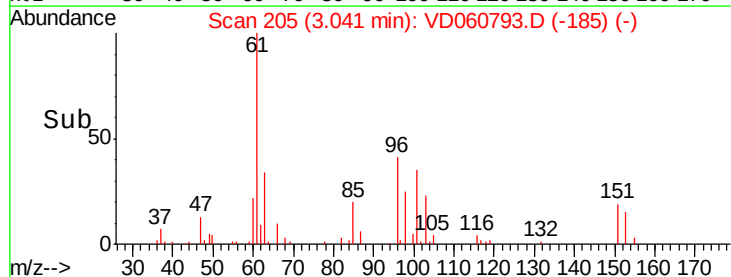
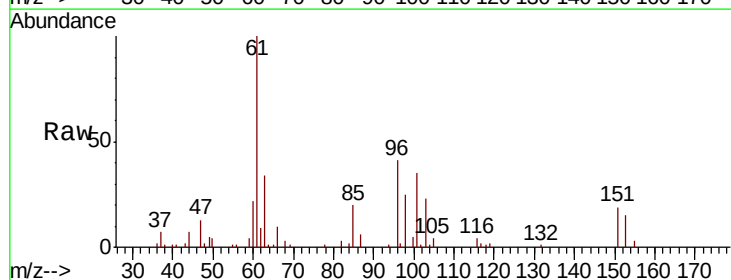
Tgt Ion: 59 Resp: 43155
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.8 14.6#

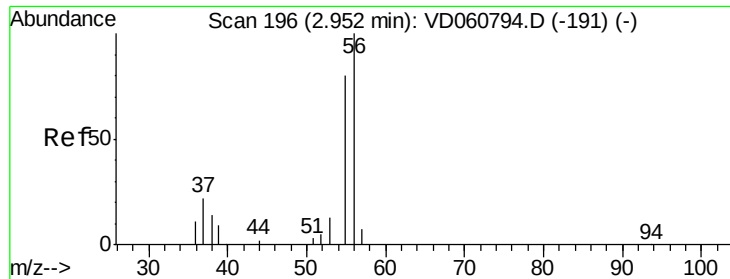


#12

1,1-Dichloroethene
 Concen: 20.681 ug/l
 RT: 3.04 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 96 Resp: 56318
 Ion Ratio Lower Upper
 96 100
 61 242.8 195.1 292.7
 98 60.3 52.5 78.7

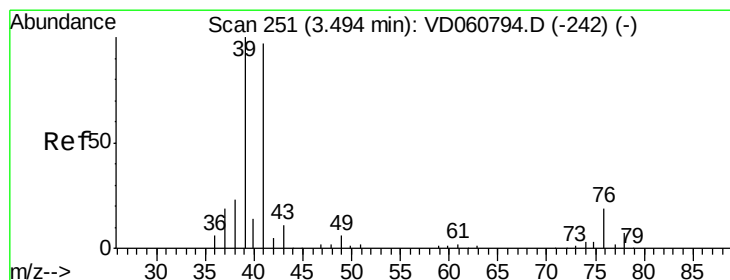
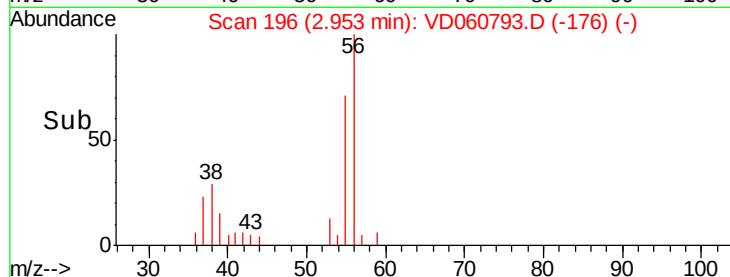
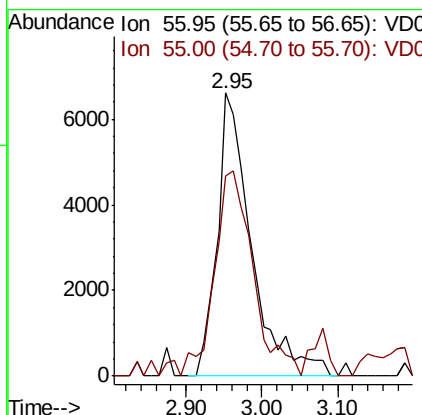
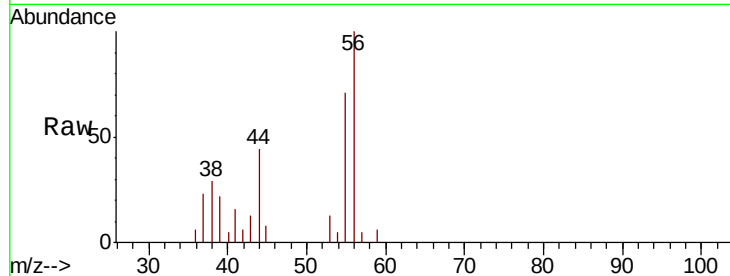




#13
 Acrolein
 Concen: 128.119 ug/l
 RT: 2.95 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

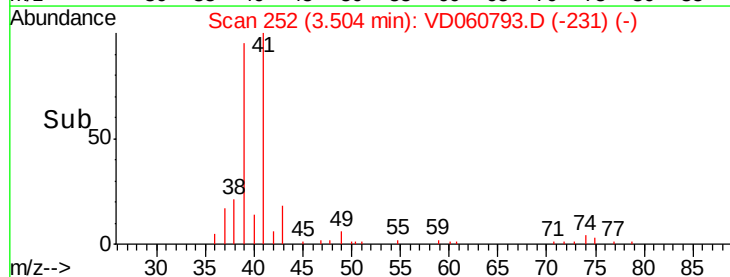
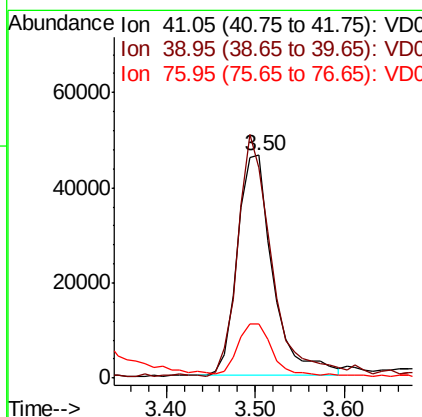
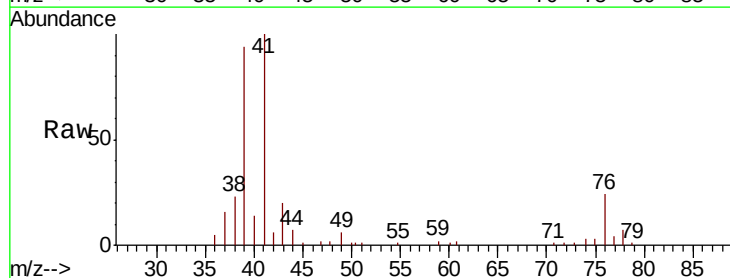
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

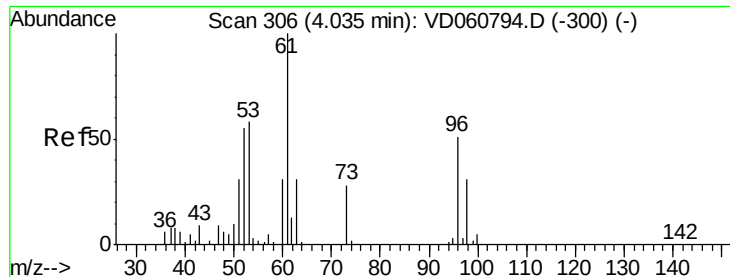
Tgt Ion: 56 Resp: 20874
 Ion Ratio Lower Upper
 56 100
 55 70.9 64.2 96.2



#14
 Allyl chloride
 Concen: 21.103 ug/l
 RT: 3.50 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 41 Resp: 128569
 Ion Ratio Lower Upper
 41 100
 39 94.0 82.6 123.8
 76 24.1 18.9 28.3

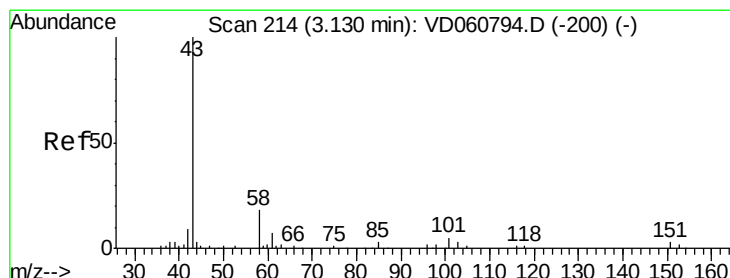
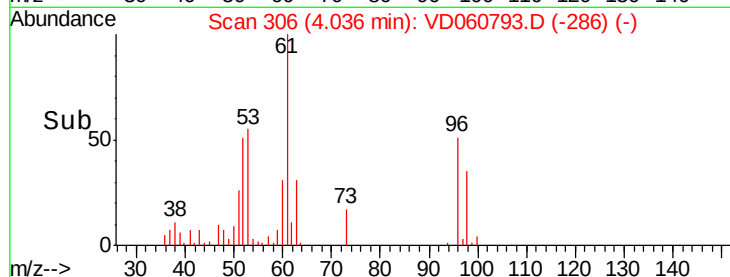
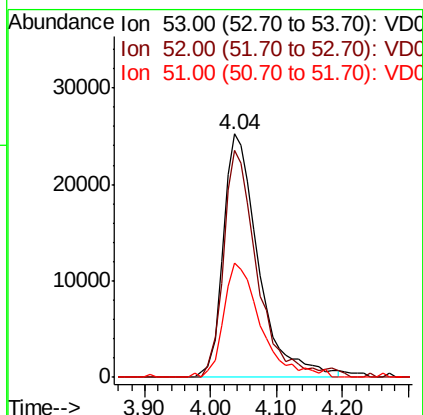
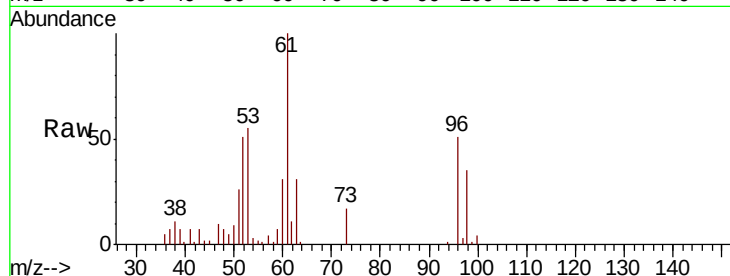




#15
Acrylonitrile
Concen: 96.223 ug/l
RT: 4.04 min Scan# 306
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

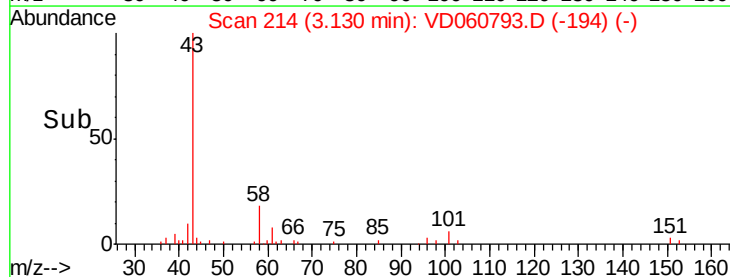
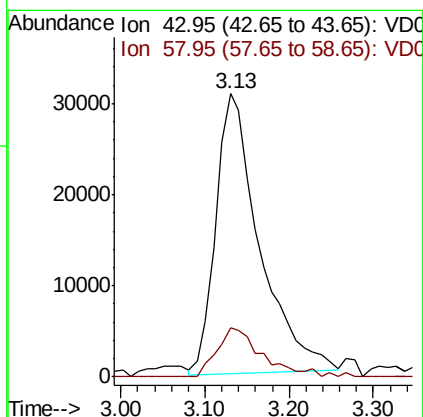
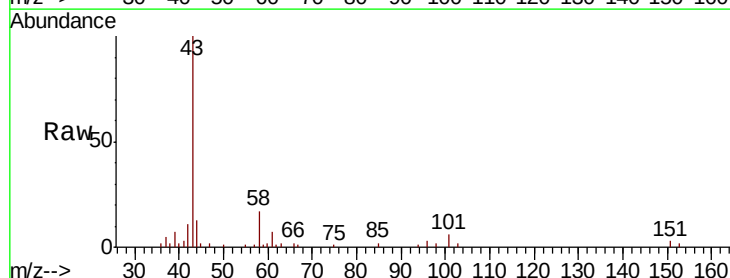
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

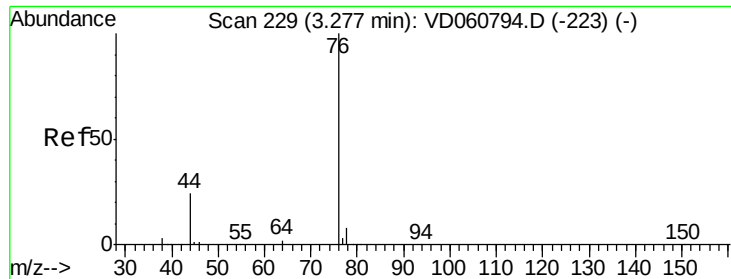
Tgt Ion: 53 Resp: 94556
Ion Ratio Lower Upper
53 100
52 93.3 75.4 113.2
51 46.8 42.5 63.7



#16
Acetone
Concen: 99.710 ug/l
RT: 3.13 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 43 Resp: 110188
Ion Ratio Lower Upper
43 100
58 17.4 14.5 21.7

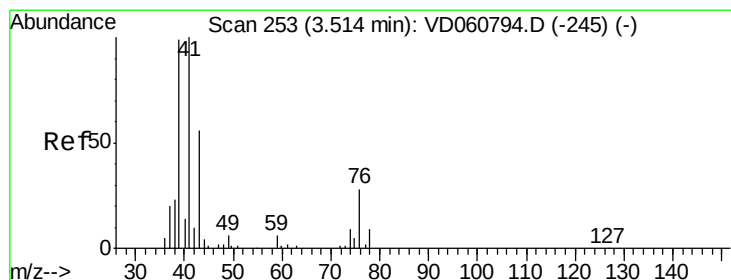
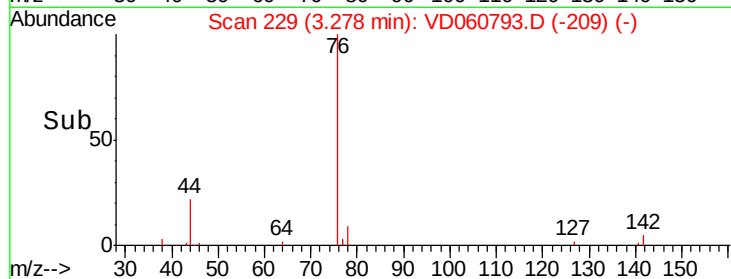
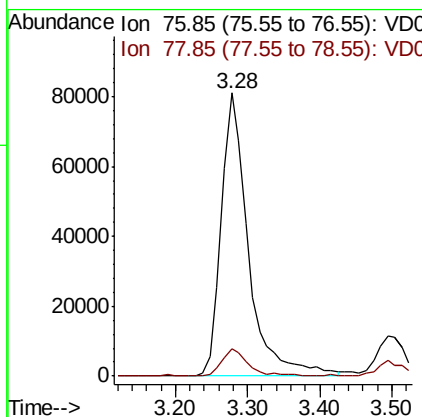
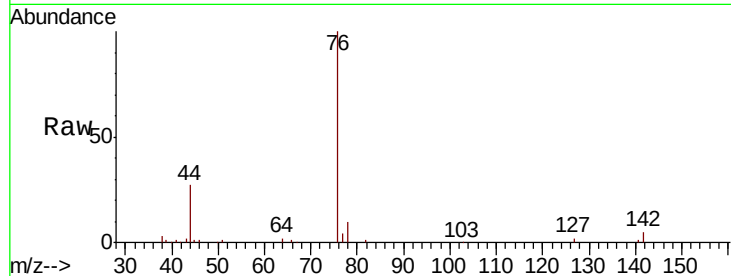




#17
Carbon Disulfide
Concen: 22.636 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

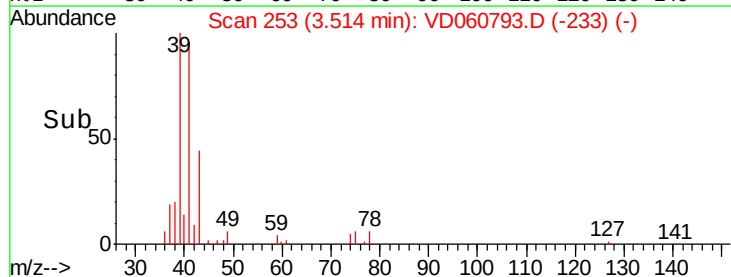
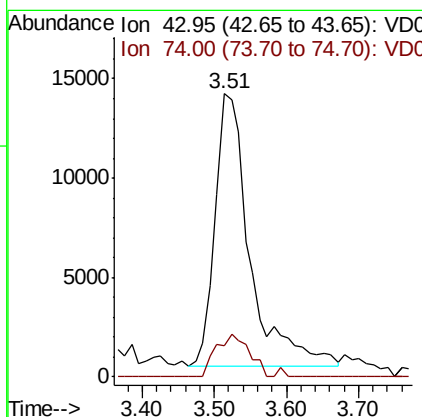
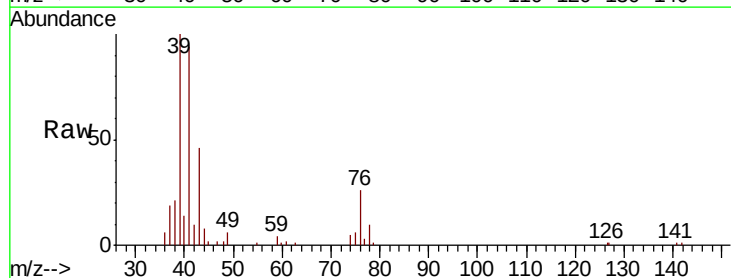
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

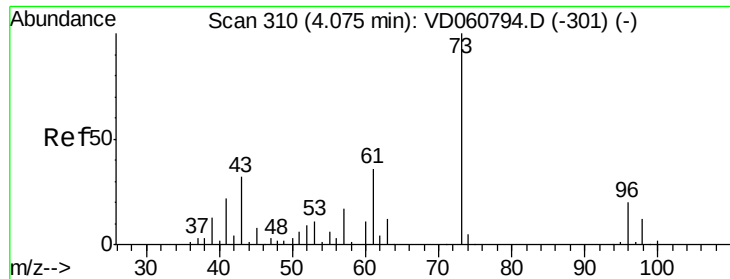
Tgt Ion: 76 Resp: 211633
Ion Ratio Lower Upper
76 100
78 9.7 6.5 9.7#



#18
Methyl Acetate
Concen: 18.589 ug/l
RT: 3.51 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 43 Resp: 45806
Ion Ratio Lower Upper
43 100
74 11.2 12.5 18.7#



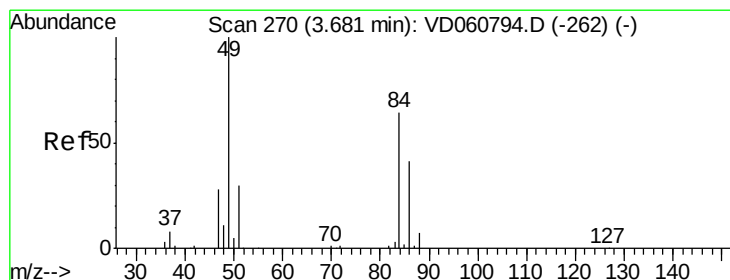
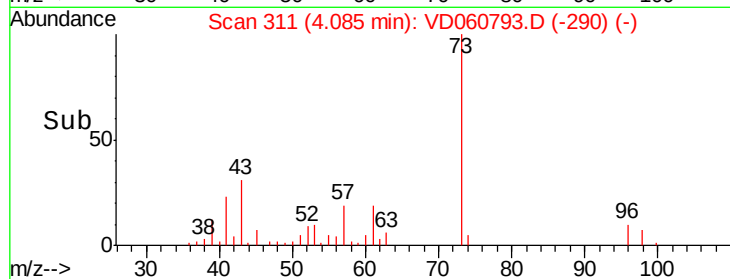
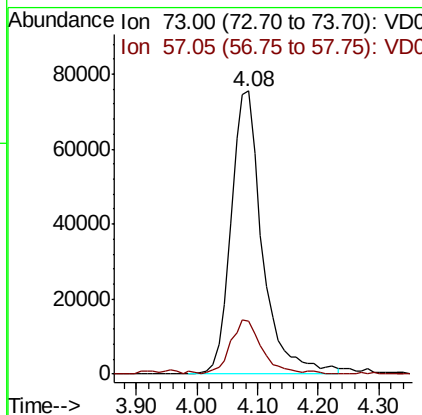
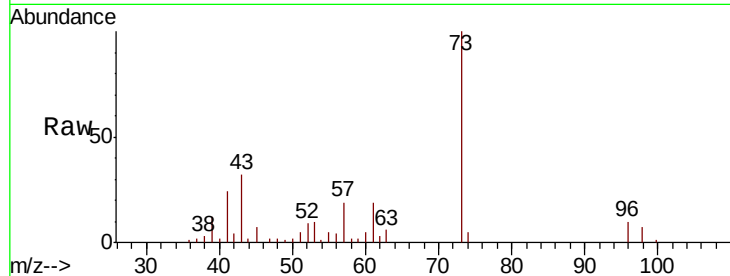


#19

Methyl tert-butyl Ether
 Concen: 20.672 ug/l
 RT: 4.08 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

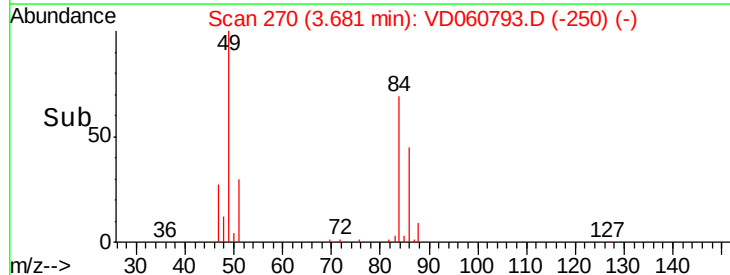
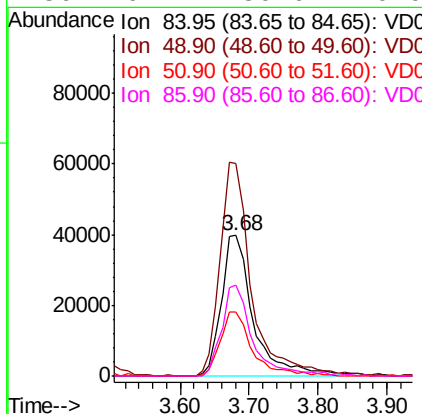
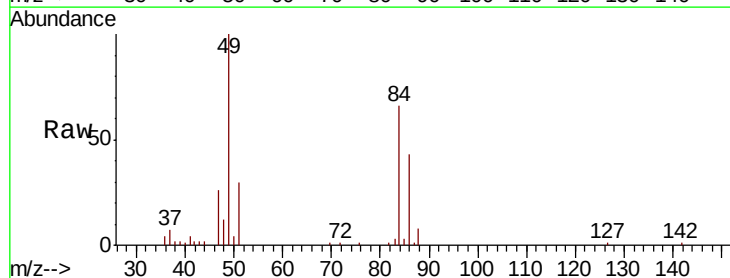
Tgt Ion: 73 Resp: 270425
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.0 21.0

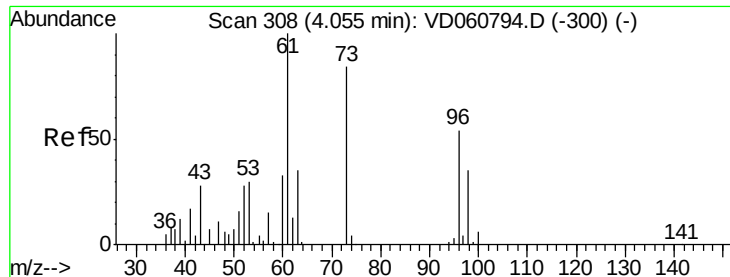


#20

Methylene Chloride
 Concen: 22.619 ug/l
 RT: 3.68 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 84 Resp: 127430
 Ion Ratio Lower Upper
 84 100
 49 150.8 124.2 186.2
 51 45.5 38.1 57.1
 86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.945 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

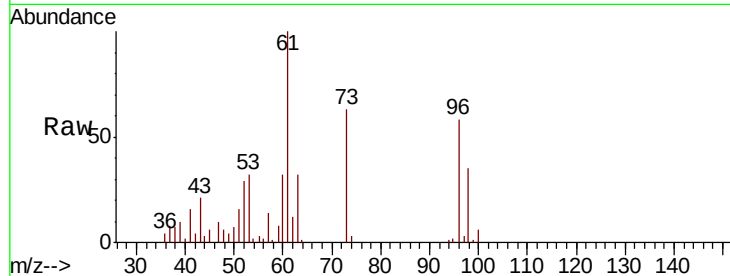
Tgt Ion: 96 Resp: 110376

Ion Ratio Lower Upper

96 100

61 172.6 147.4 221.2

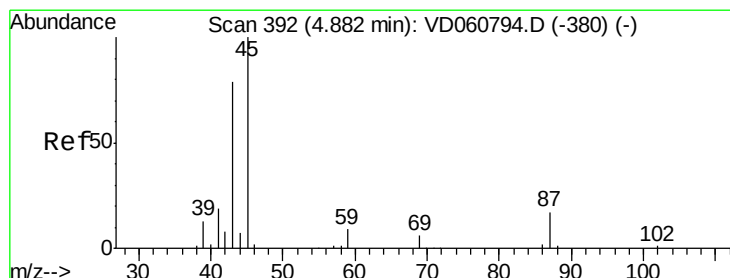
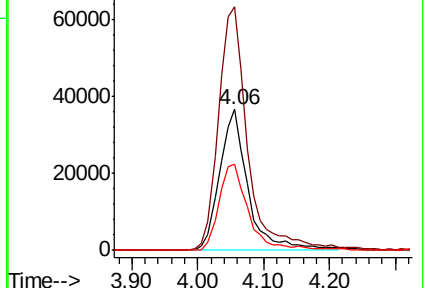
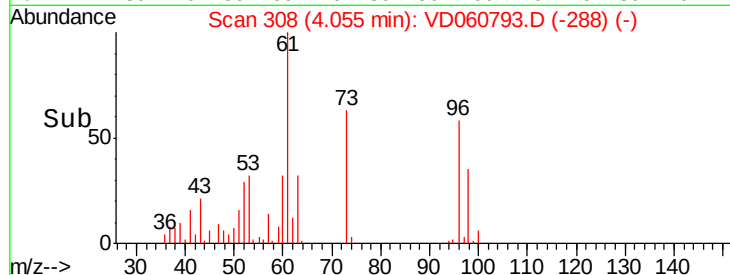
98 61.2 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.931 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Tgt Ion: 45 Resp: 351191

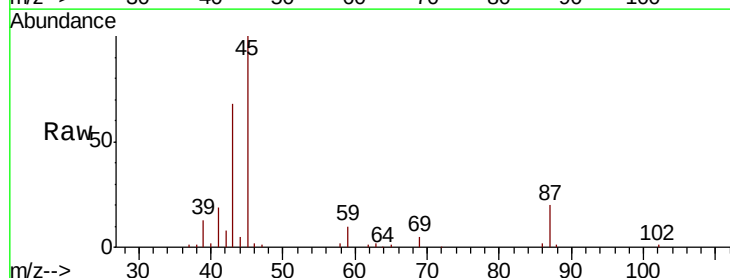
Ion Ratio Lower Upper

45 100

43 68.1 64.3 96.5

87 19.5 14.3 21.5

59 9.9 7.8 11.8

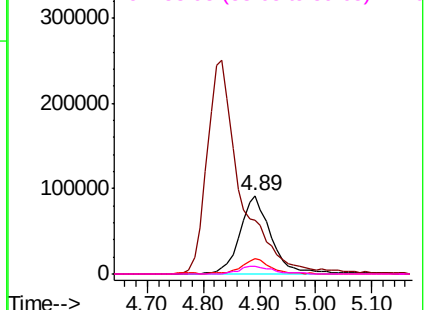
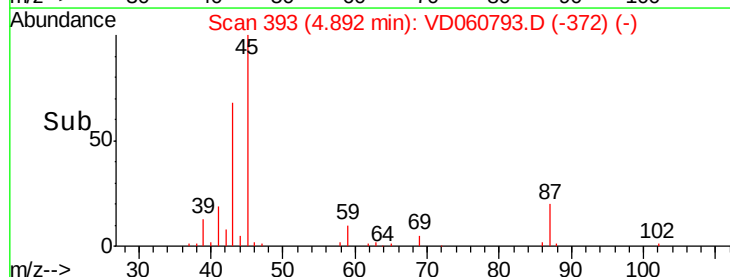


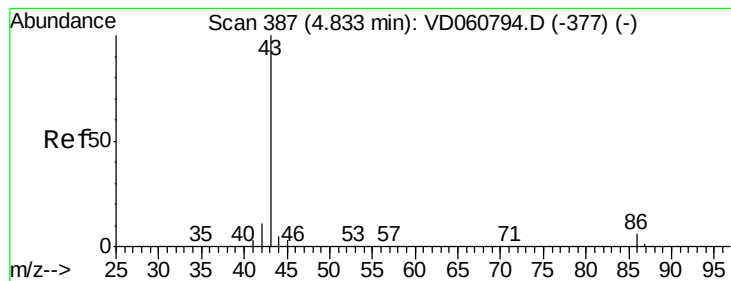
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.102 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

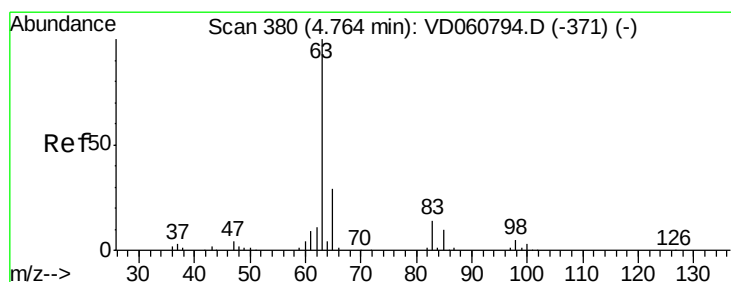
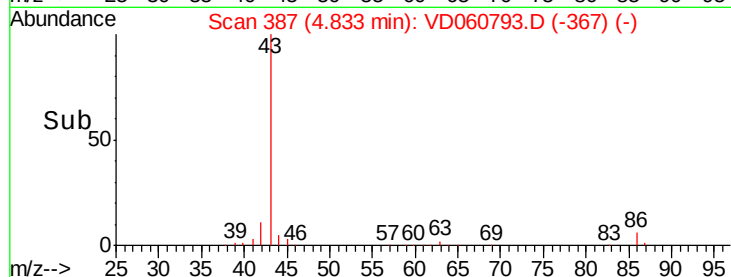
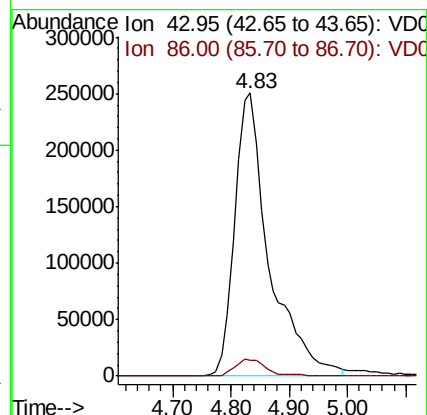
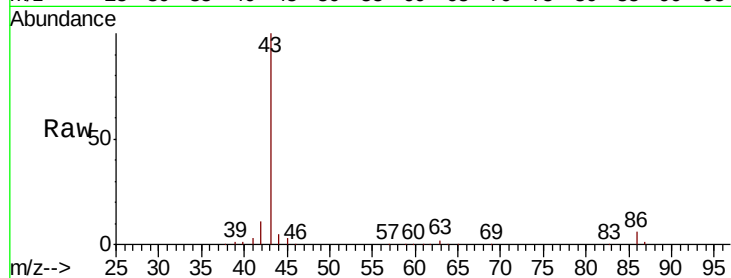
VSTDIC020

Tgt Ion: 43 Resp: 1033415

Ion Ratio Lower Upper

43 100

86 5.7 4.7 7.1



#24

1,1-Dichloroethane

Concen: 19.350 ug/l

RT: 4.76 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

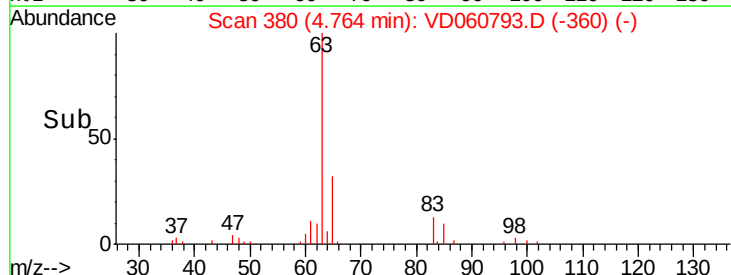
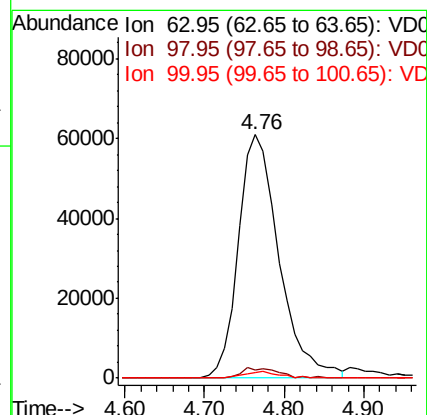
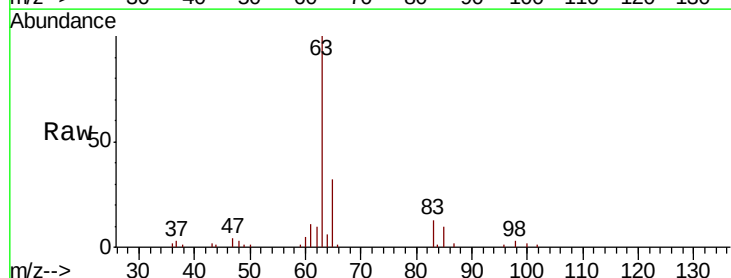
Tgt Ion: 63 Resp: 215895

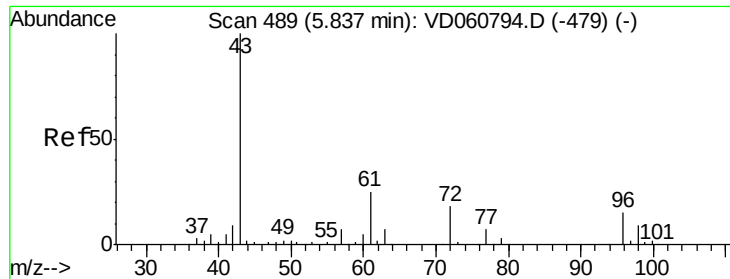
Ion Ratio Lower Upper

63 100

98 3.1 2.3 6.9

100 2.4 1.3 3.8





#25

2-Butanone

Concen: 93.417 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

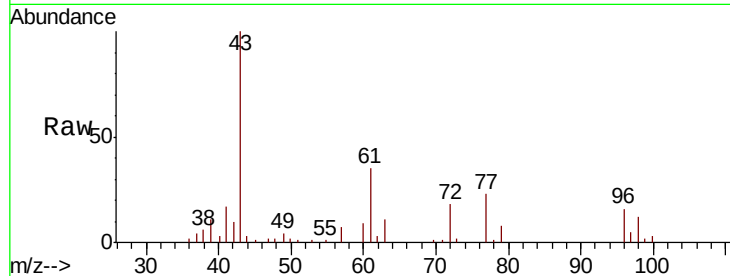
VSTDIC020

Tgt Ion: 43 Resp: 147117

Ion Ratio Lower Upper

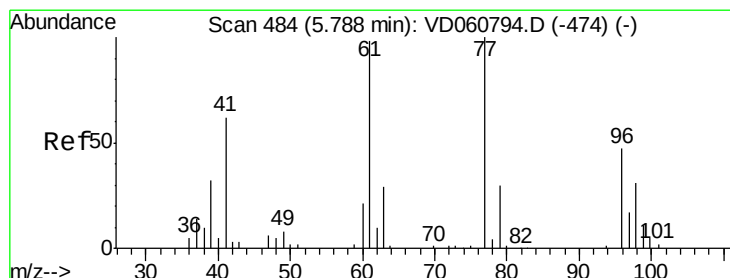
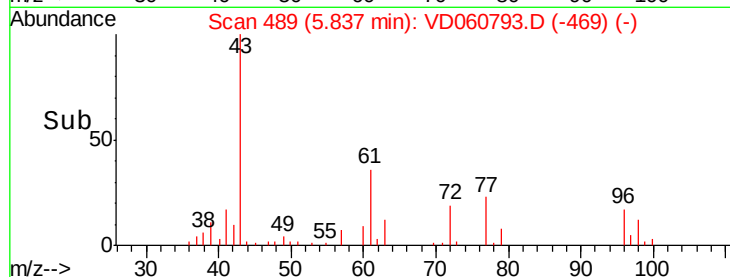
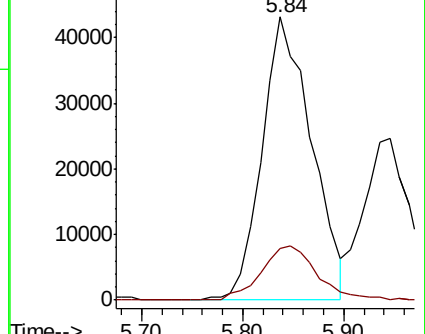
43 100

72 18.5 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.818 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060793.D

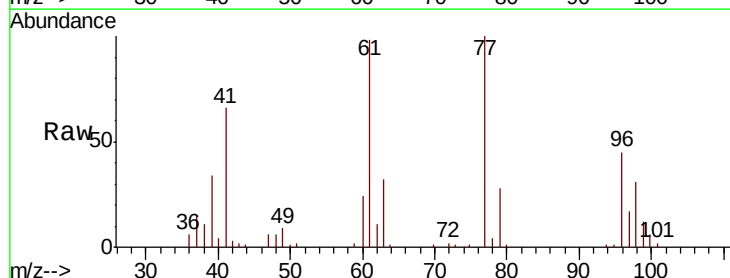
Acq: 28 Jan 2019 16:10

Tgt Ion: 77 Resp: 237968

Ion Ratio Lower Upper

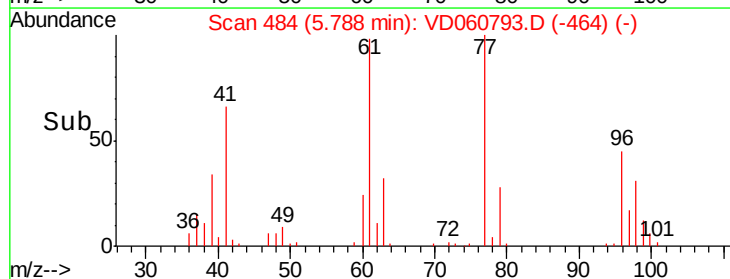
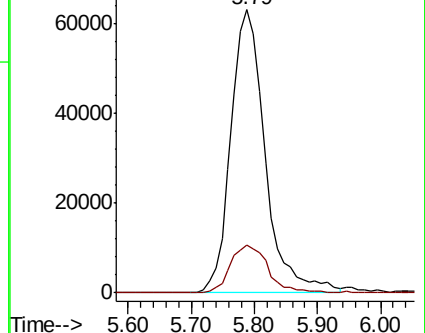
77 100

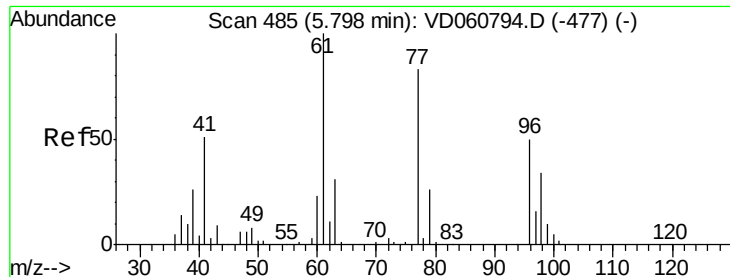
97 16.9 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



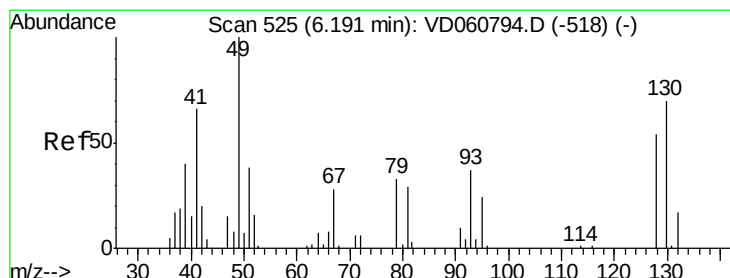
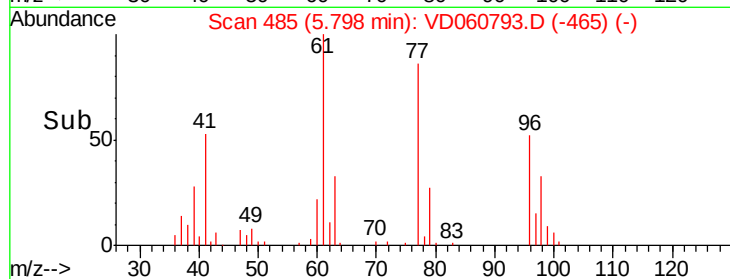
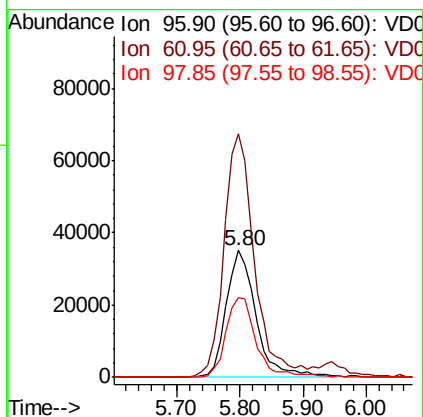
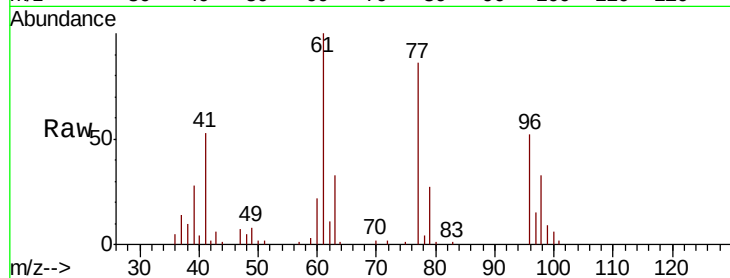


#27

cis-1,2-Dichloroethene
Concen: 20.499 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

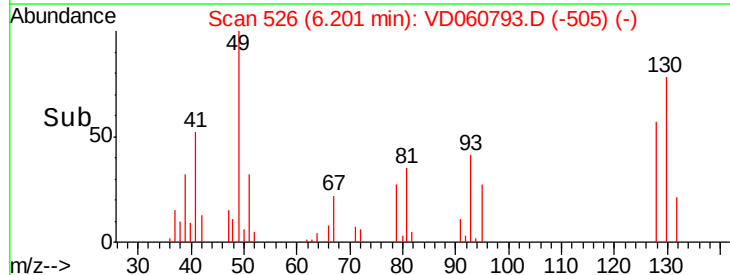
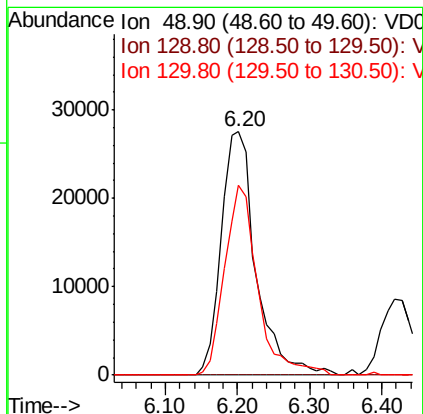
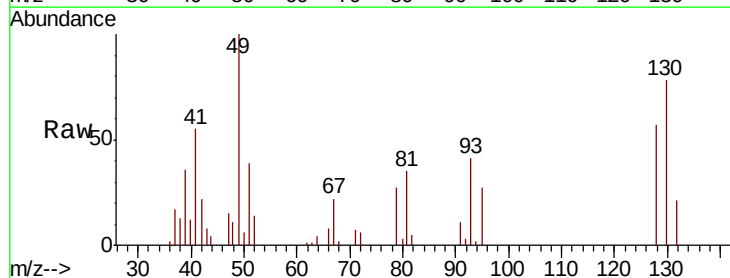
Tgt Ion: 96 Resp: 115839
Ion Ratio Lower Upper
96 100
61 191.7 0.0 400.0
98 62.7 0.0 136.4

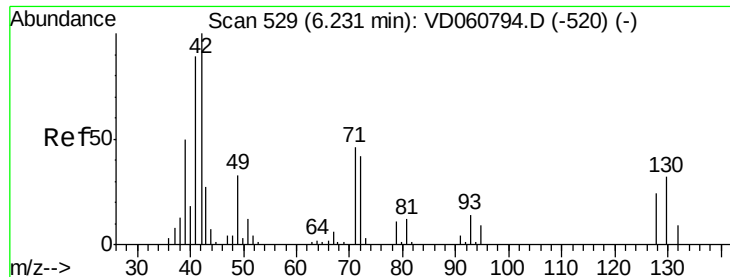


#28

Bromochloromethane
Concen: 21.622 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 49 Resp: 91783
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 78.2 56.1 84.1





#29

Tetrahydrofuran

Concen: 95.088 ug/l

RT: 6.23 min Scan# 529

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

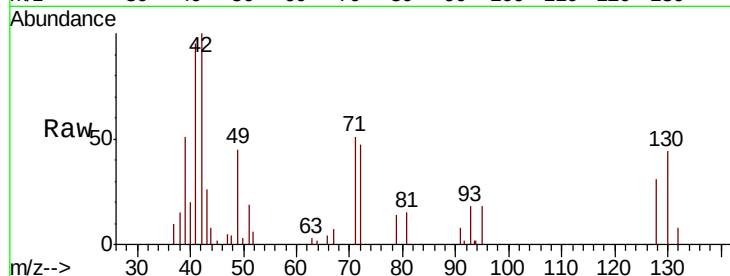
Tgt Ion: 42 Resp: 73771

Ion Ratio Lower Upper

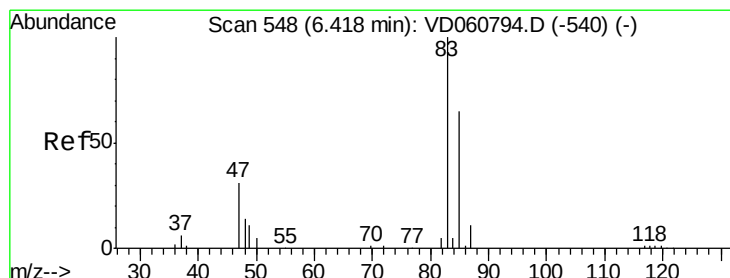
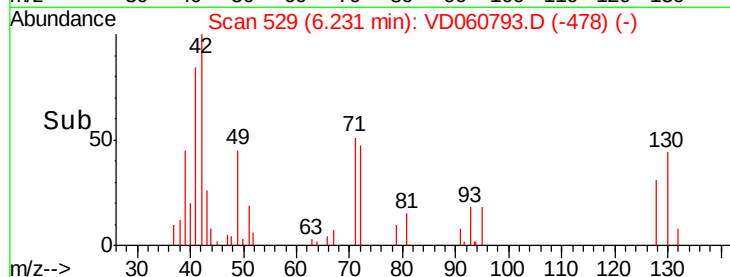
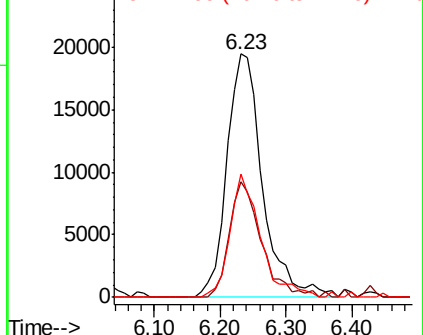
42 100

72 42.8 32.8 49.2

71 43.6 34.6 52.0



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: 20.912 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.00 min

Lab File: VD060793.D

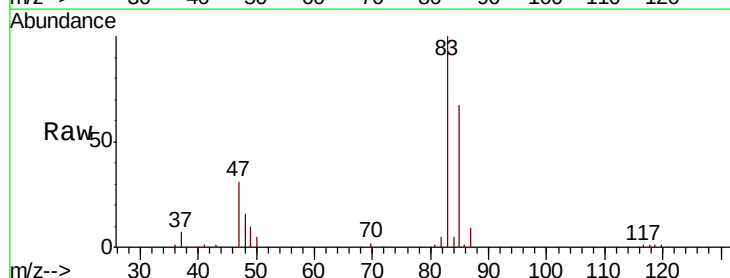
Acq: 28 Jan 2019 16:10

Tgt Ion: 83 Resp: 265058

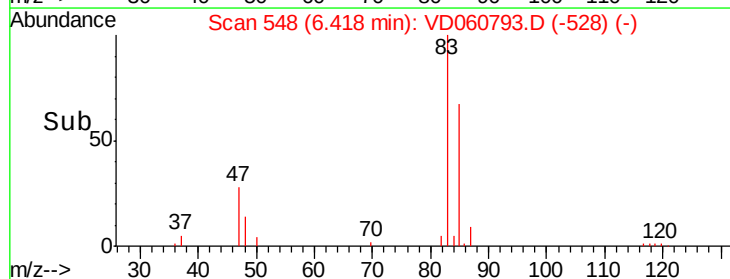
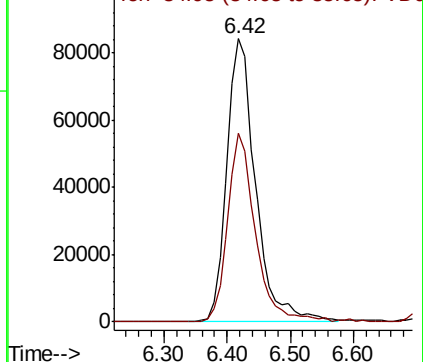
Ion Ratio Lower Upper

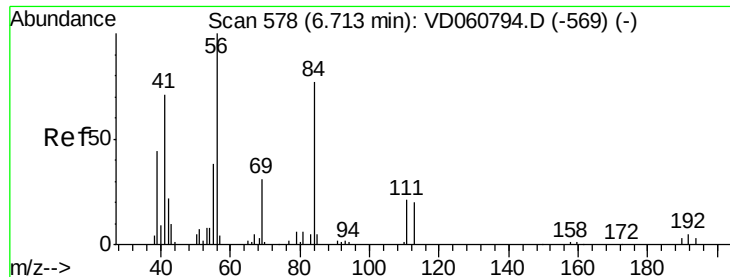
83 100

85 66.8 52.3 78.5



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

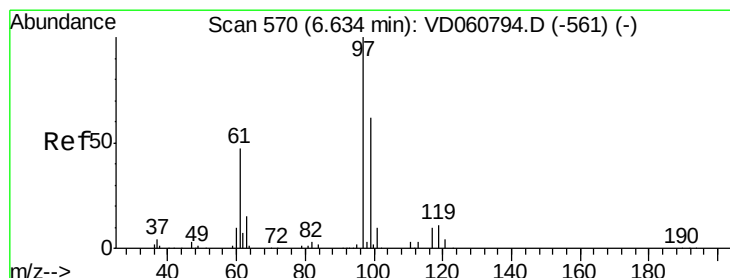
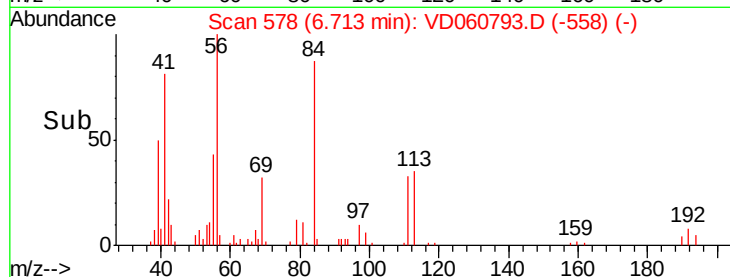
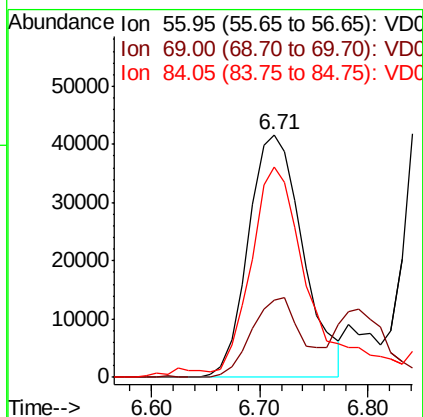
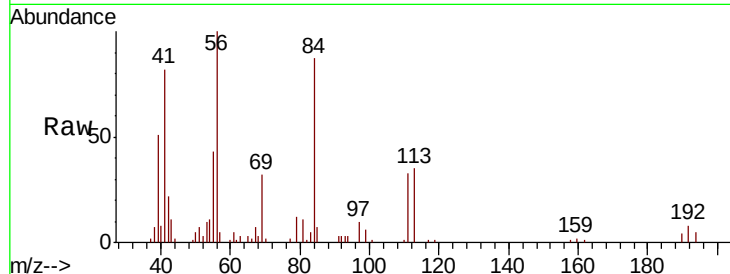




#31
Cyclohexane
Concen: 18.196 ug/l
RT: 6.71 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

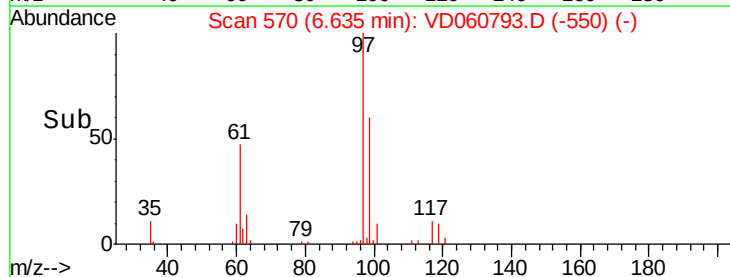
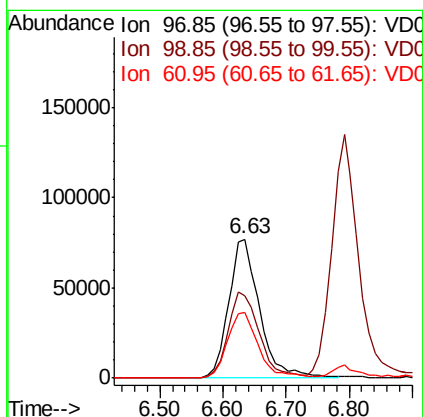
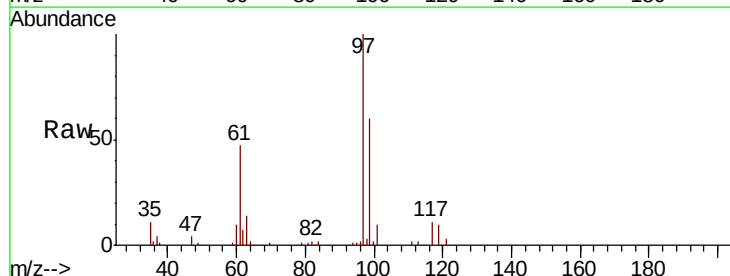
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

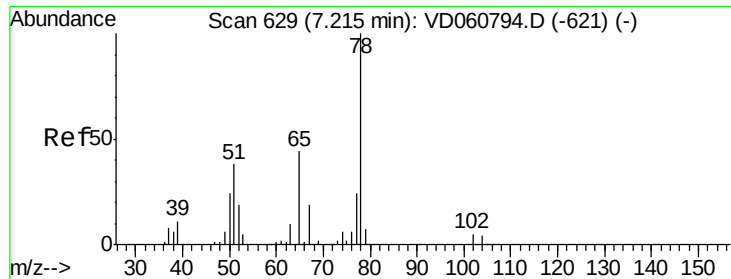
Tgt Ion: 56 Resp: 146872
Ion Ratio Lower Upper
56 100
69 32.1 25.1 37.7
84 86.6 63.9 95.9



#32
1,1,1-Trichloroethane
Concen: 21.834 ug/l
RT: 6.63 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 97 Resp: 260174
Ion Ratio Lower Upper
97 100
99 59.6 49.6 74.4
61 47.2 37.4 56.2

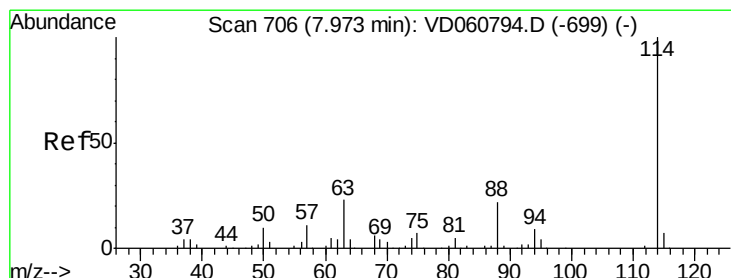
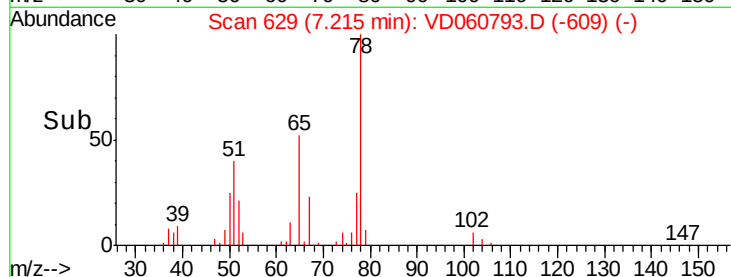
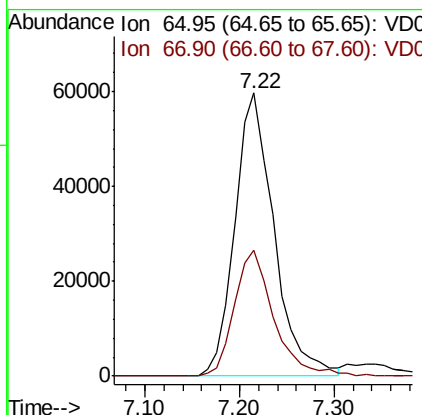
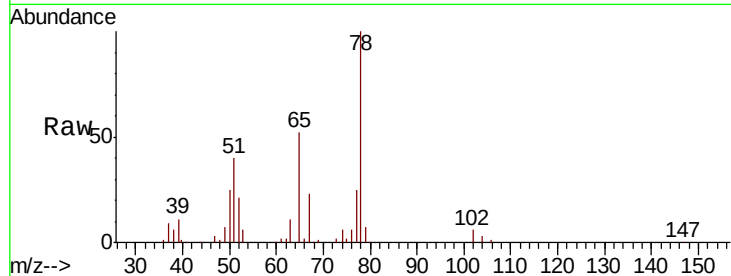




#33
 1,2-Dichloroethane-d4
 Concen: 21.834 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

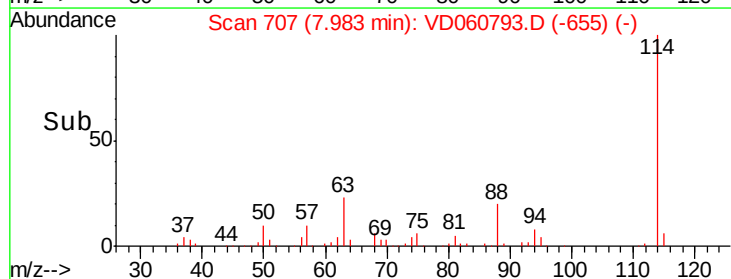
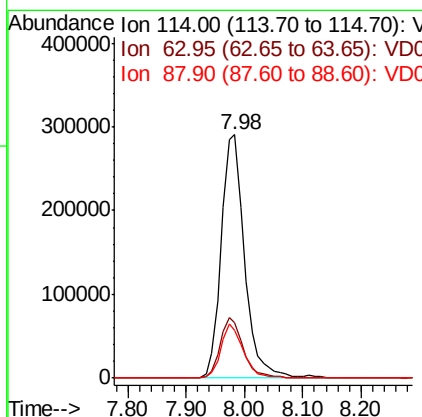
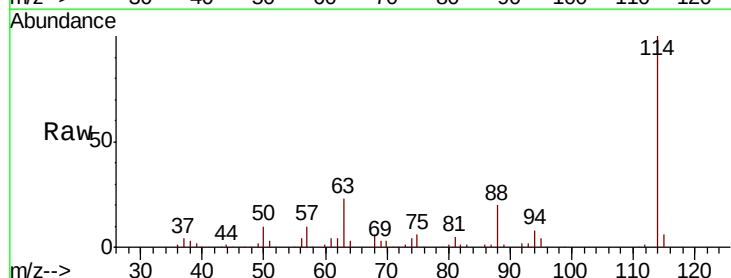
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

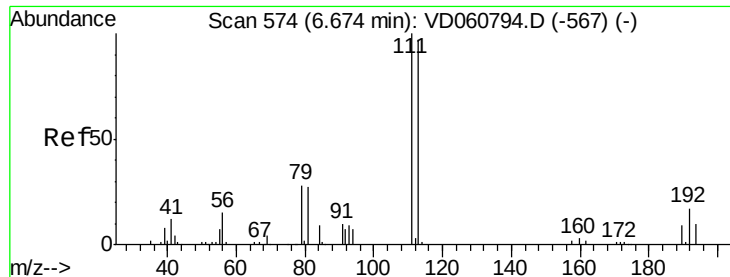
Tgt Ion: 65 Resp: 171224
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 114 Resp: 809151
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.6
 88 19.7 0.0 44.0

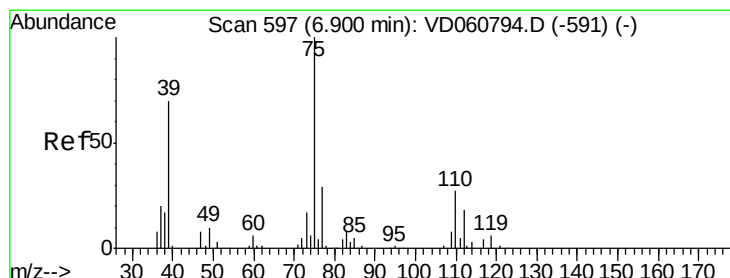
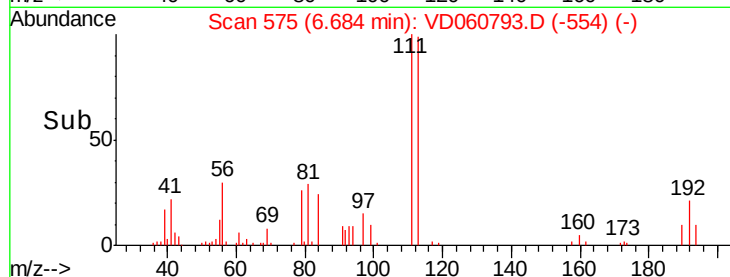
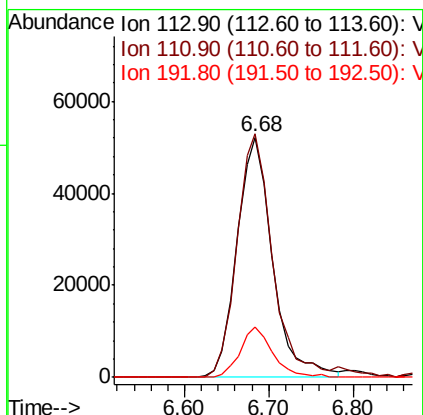
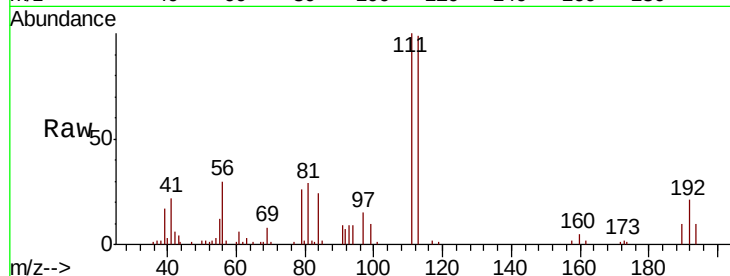




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

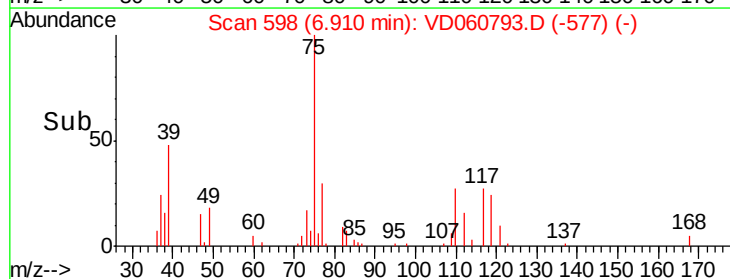
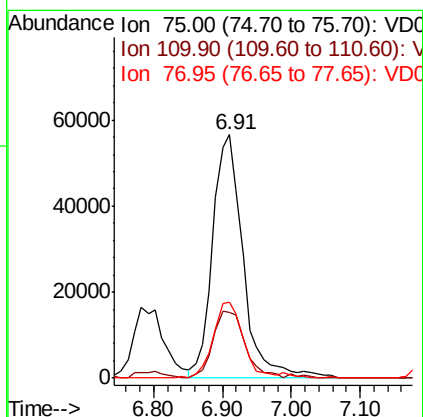
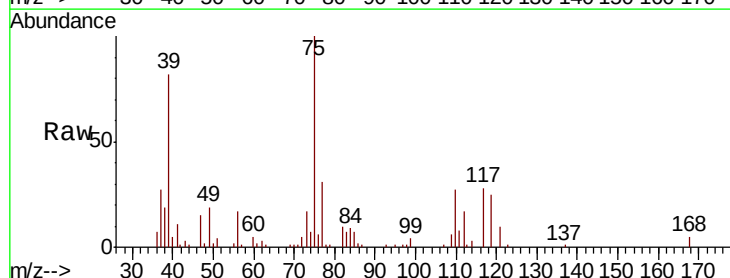
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

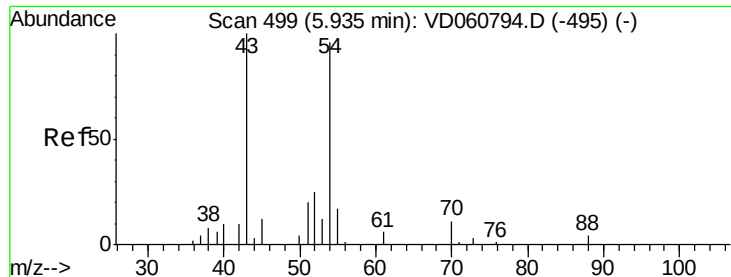
Tgt Ion: 113 Resp: 153603
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.3 123.5
 192 20.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 17.770 ug/l
 RT: 6.91 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 75 Resp: 174133
 Ion Ratio Lower Upper
 75 100
 110 26.9 13.5 40.4
 77 31.1 23.4 35.2





#37

Ethyl Acetate

Concen: 18.550 ug/l

RT: 5.95 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

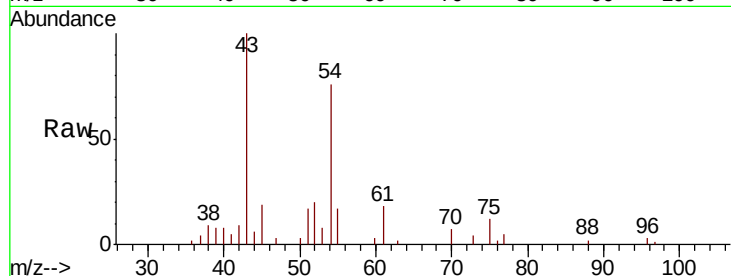
Tgt Ion: 43 Resp: 80929

Ion Ratio Lower Upper

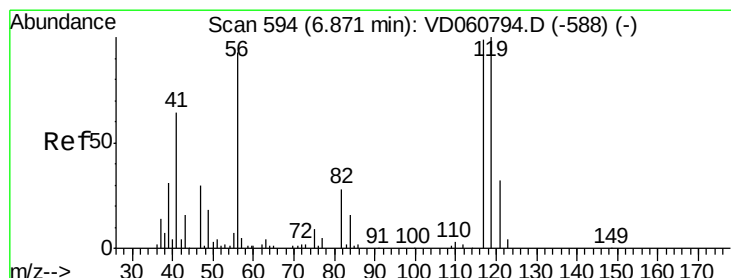
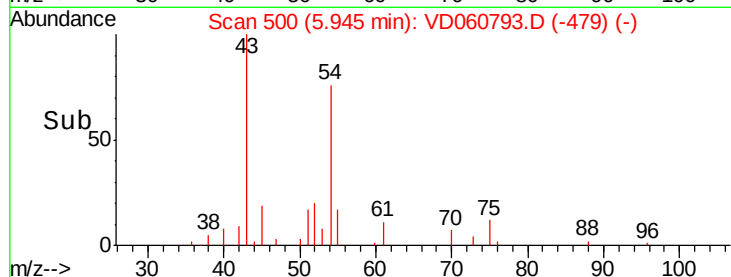
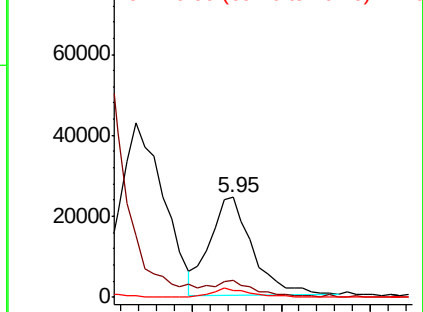
43 100

61 17.5 12.3 18.5

70 6.8 7.4 11.0#



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



#38

Carbon Tetrachloride

Concen: 18.879 ug/l

RT: 6.87 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

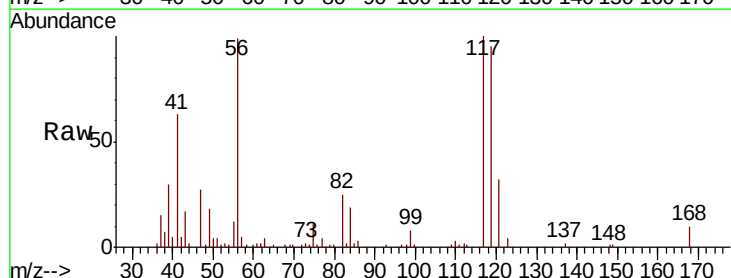
Tgt Ion: 117 Resp: 221278

Ion Ratio Lower Upper

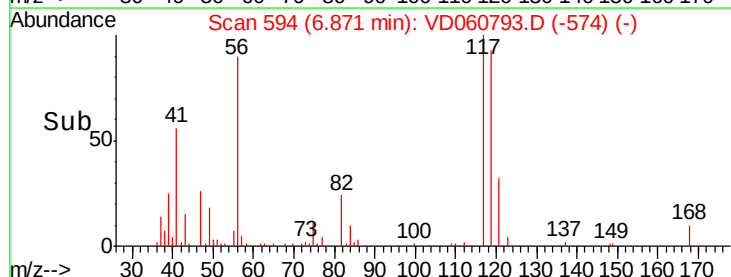
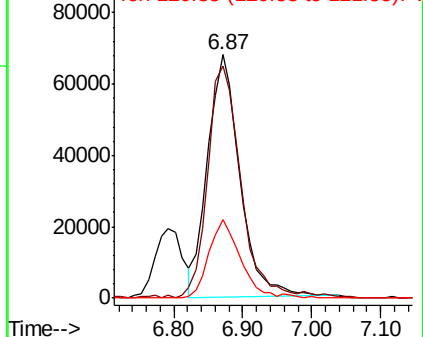
117 100

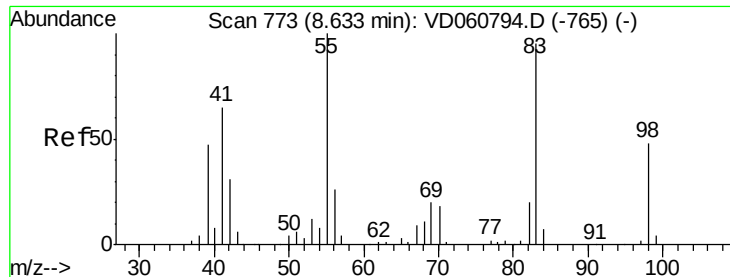
119 95.3 75.6 113.4

121 32.3 23.4 35.2



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

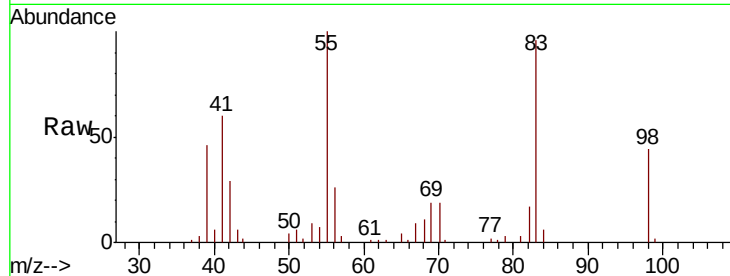




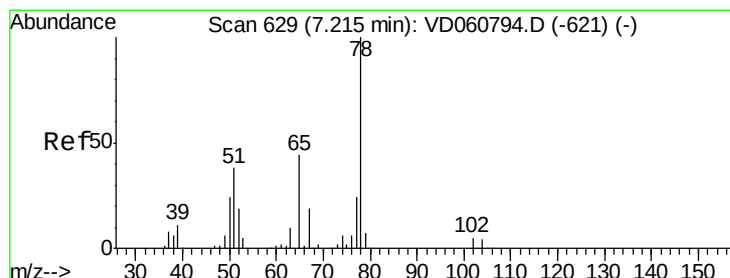
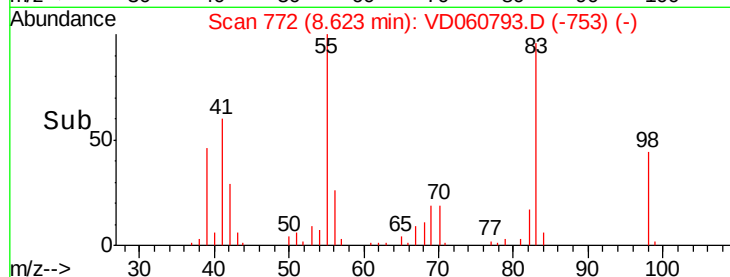
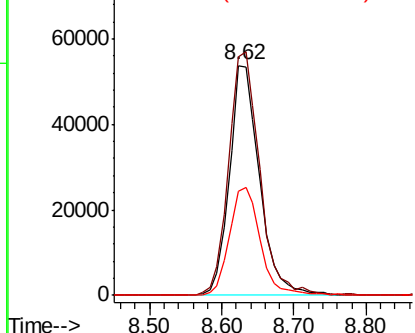
#39
Methylcyclohexane
Concen: 17.996 ug/l
RT: 8.62 min Scan# 772
Delta R.T. -0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 156000
Ion Ratio Lower Upper
83 100
55 103.7 83.8 125.8
98 45.6 39.8 59.8

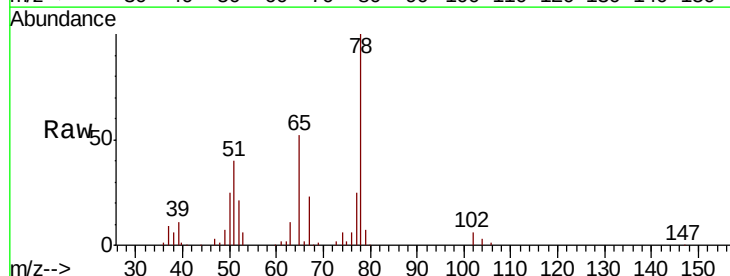


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

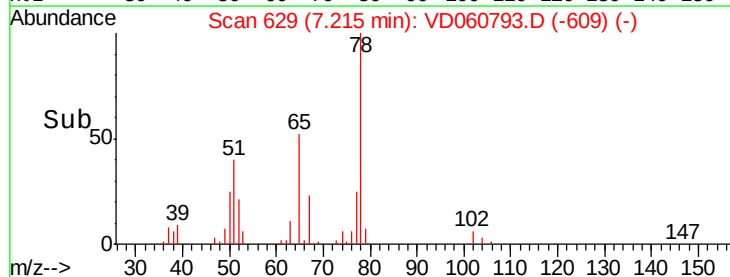
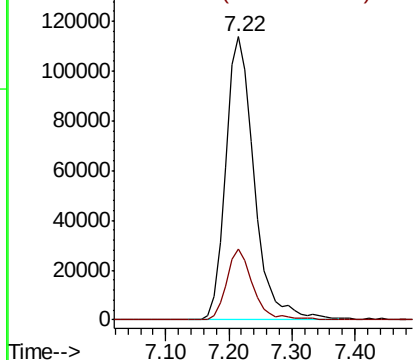


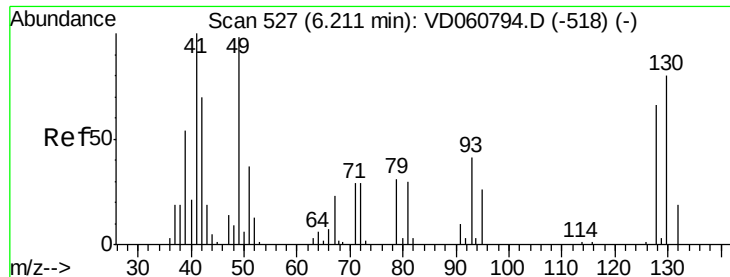
#40
Benzene
Concen: 17.588 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 78 Resp: 354321
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3



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





#41

Methacrylonitrile

Concen: 32.995 ug/l

RT: 6.21 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 93331

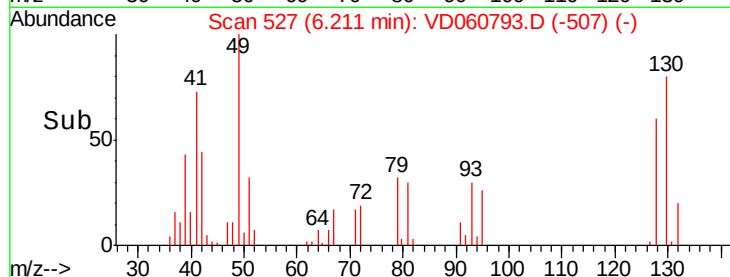
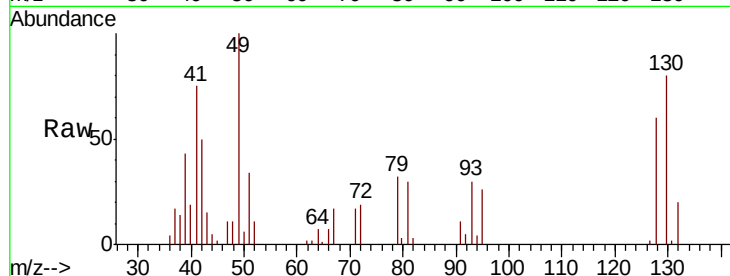
Ion Ratio Lower Upper

41 100

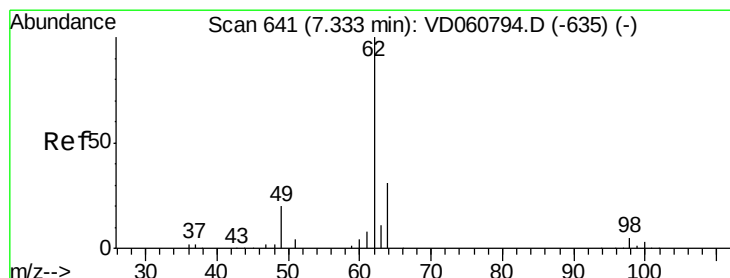
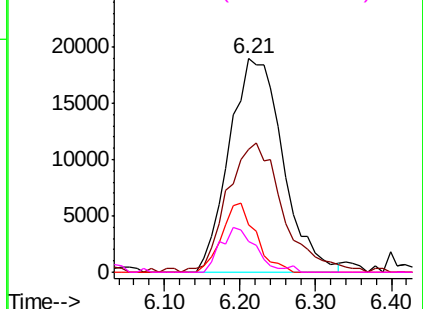
39 57.7 43.6 65.4

67 22.5 18.5 27.7

52 14.3 10.2 15.2



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: 20.620 ug/l

RT: 7.34 min Scan# 642

Delta R.T. 0.01 min

Lab File: VD060793.D

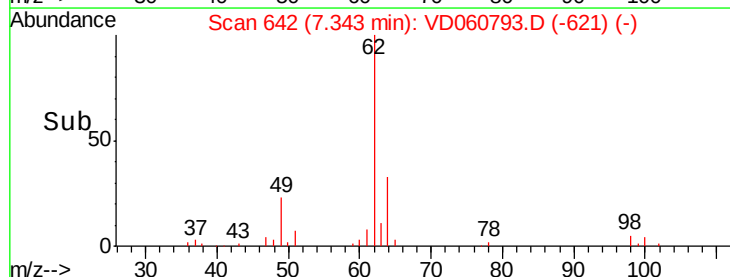
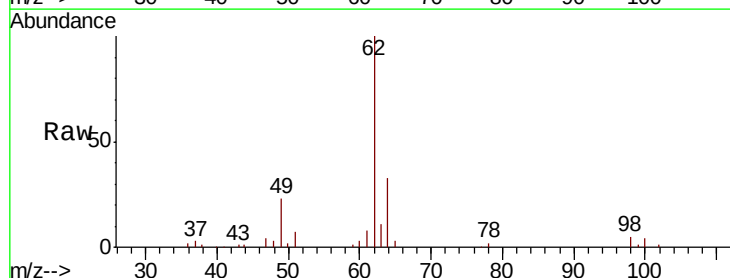
Acq: 28 Jan 2019 16:10

Tgt Ion: 62 Resp: 214914

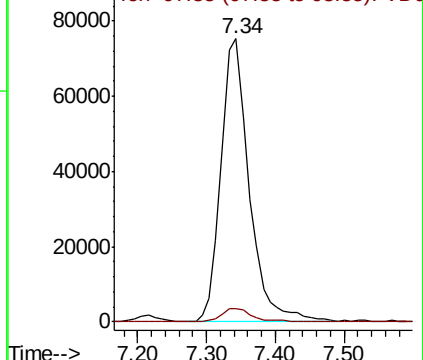
Ion Ratio Lower Upper

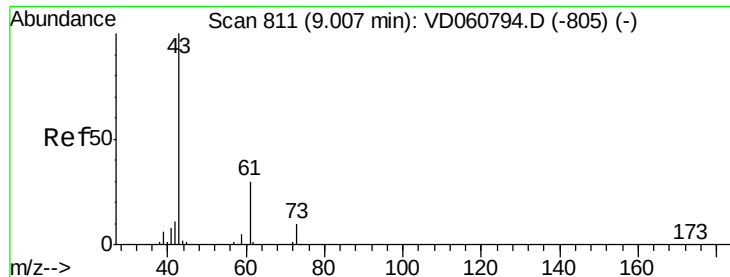
62 100

98 4.8 0.0 10.2



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





#43

Isopropyl Acetate

Concen: 17.588 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

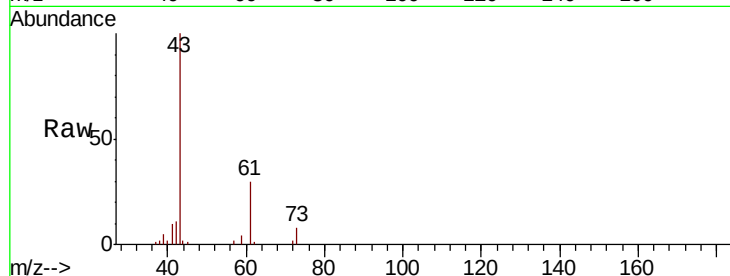
Tgt Ion: 43 Resp: 106067

Ion Ratio Lower Upper

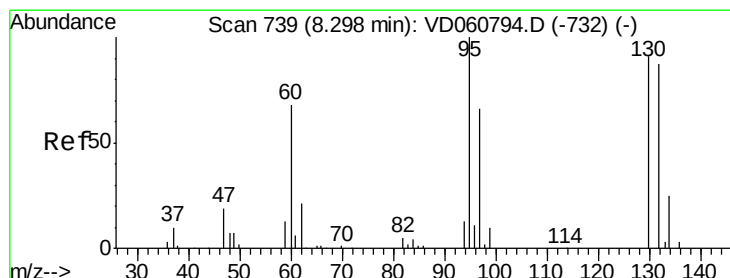
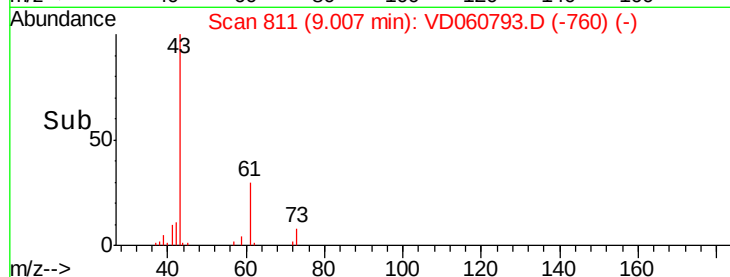
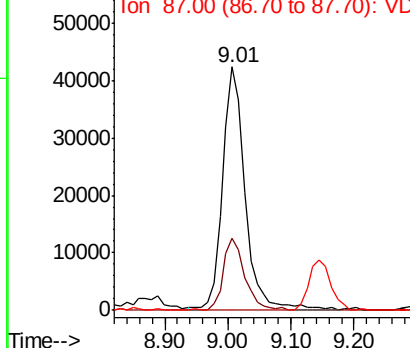
43 100

61 29.6 24.1 36.1

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: 18.020 ug/l

RT: 8.31 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD060793.D

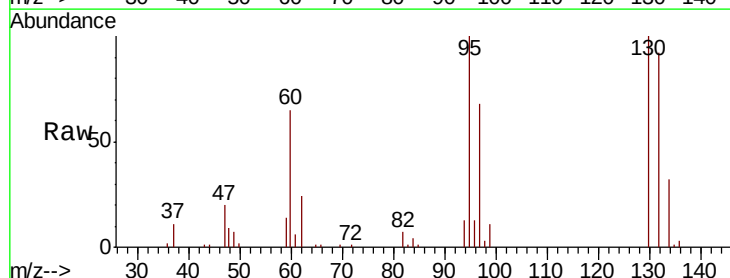
Acq: 28 Jan 2019 16:10

Tgt Ion: 130 Resp: 121099

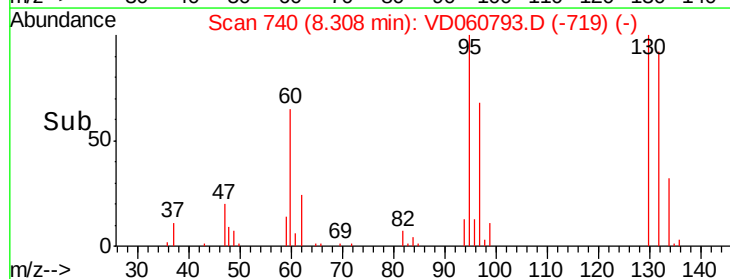
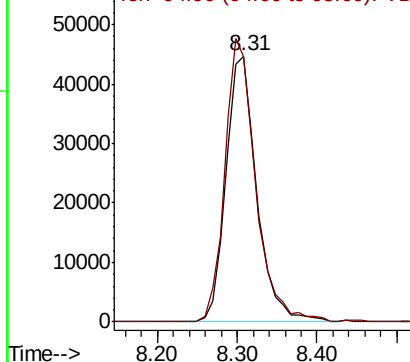
Ion Ratio Lower Upper

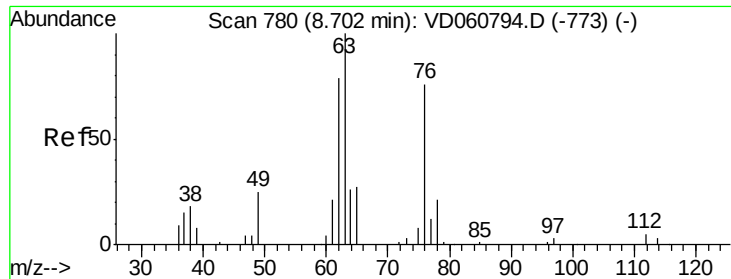
130 100

95 99.6 0.0 221.0



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

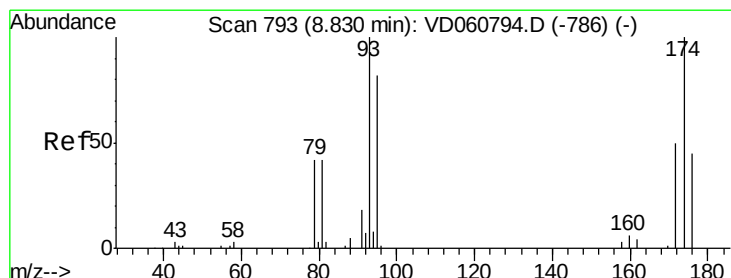
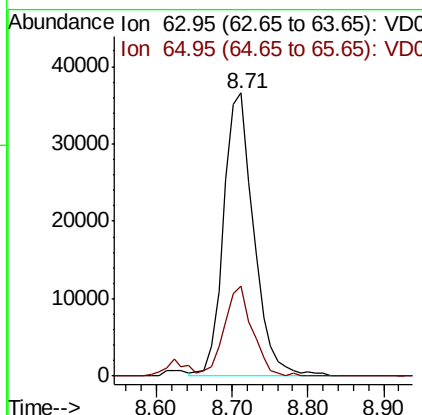
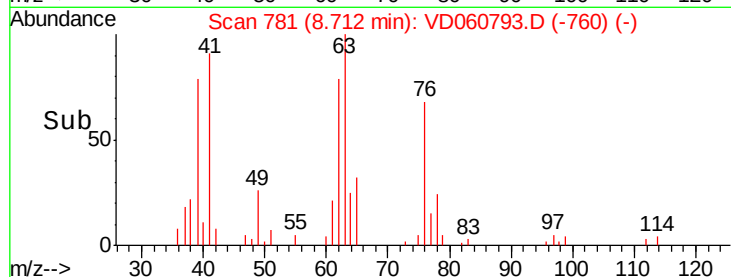
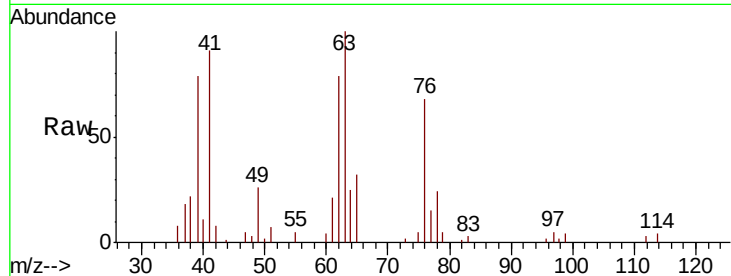




#45
 1,2-Dichloropropane
 Concen: 19.182 ug/l
 RT: 8.71 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

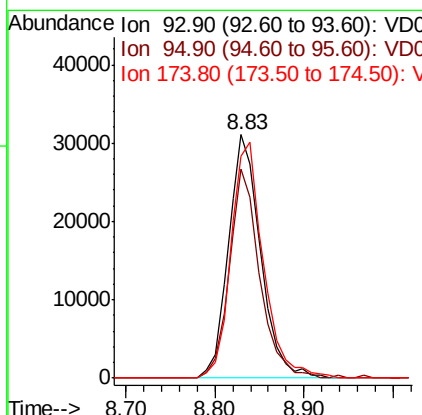
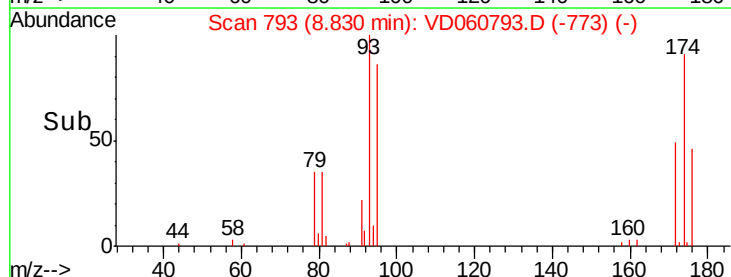
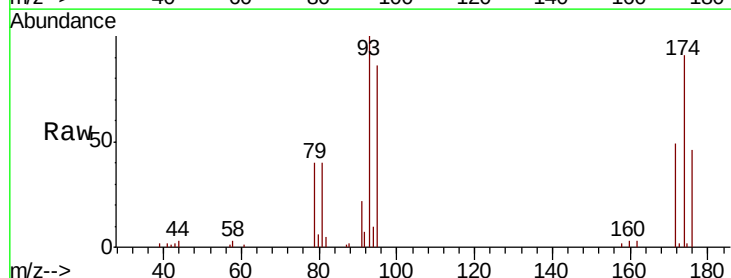
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

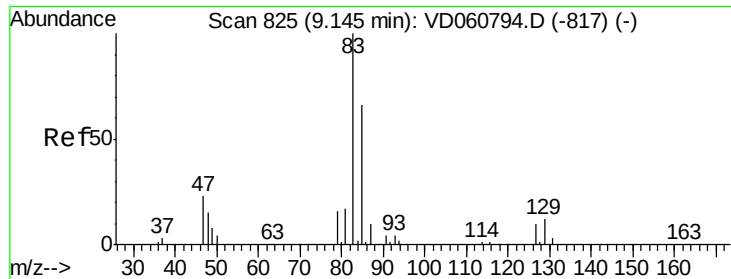
Tgt Ion: 63 Resp: 101047
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.1 36.1



#46
 Dibromomethane
 Concen: 19.357 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 93 Resp: 78476
 Ion Ratio Lower Upper
 93 100
 95 86.0 65.8 98.8
 174 91.0 79.8 119.6





#47

Bromodichloromethane

Concen: 20.878 ug/l

RT: 9.14 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

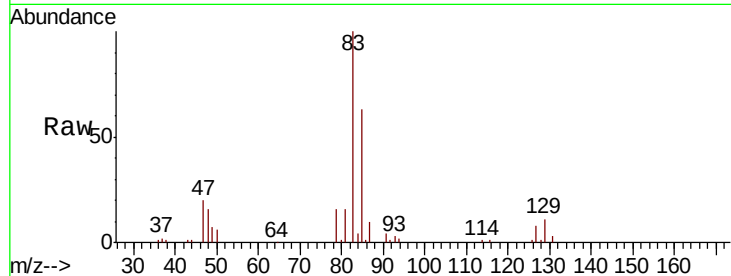
Tgt Ion: 83 Resp: 217704

Ion Ratio Lower Upper

83 100

85 62.5 52.6 79.0

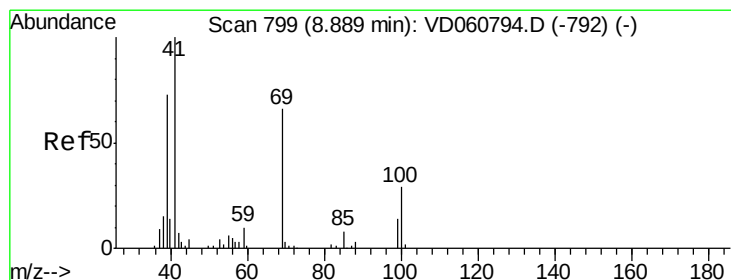
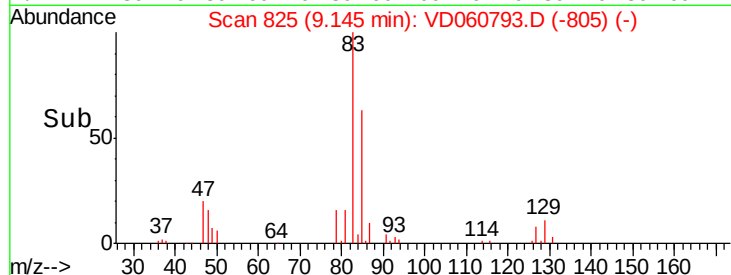
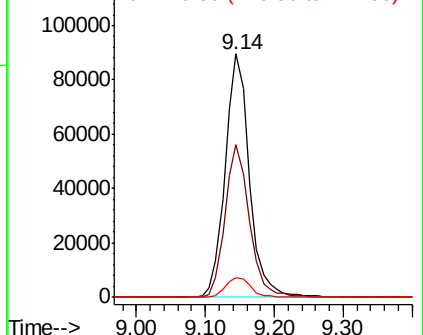
127 8.2 7.7 11.5



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: 16.579 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

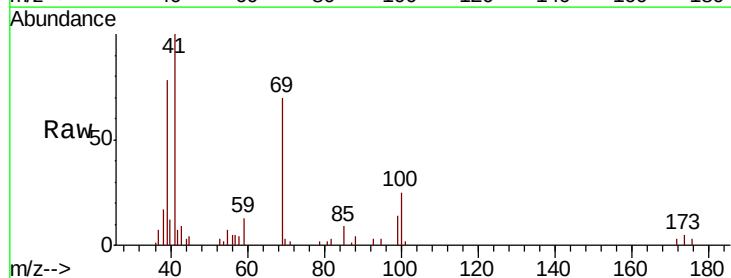
Tgt Ion: 41 Resp: 67331

Ion Ratio Lower Upper

41 100

69 69.5 52.5 78.7

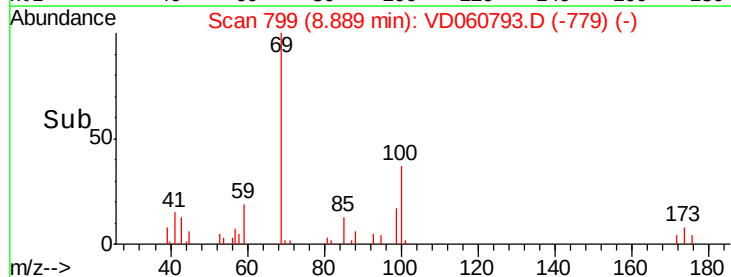
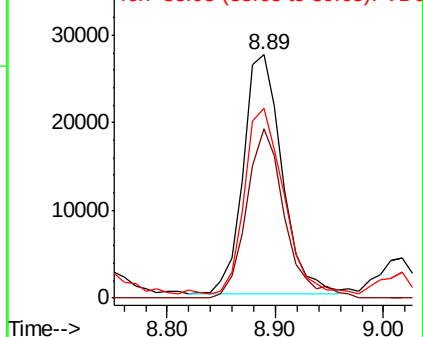
39 77.7 59.0 88.6

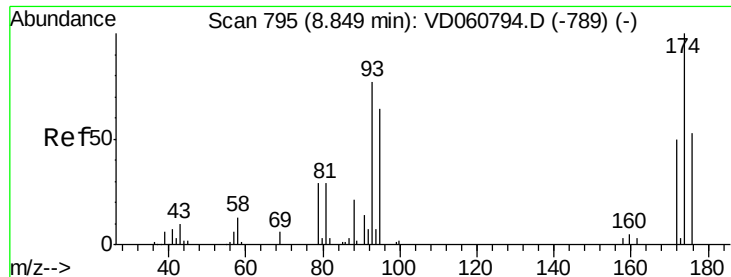


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 340.387 ug/l

RT: 8.86 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

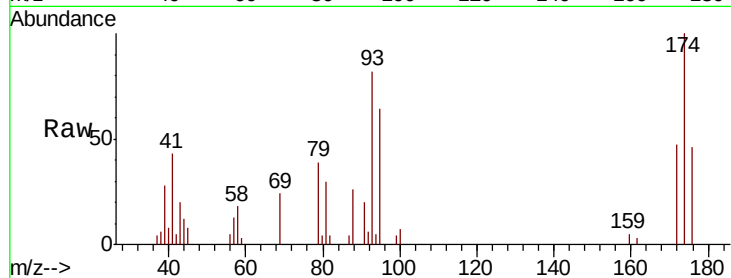
Tgt Ion: 88 Resp: 11666

Ion Ratio Lower Upper

88 100

43 77.0 40.9 61.3#

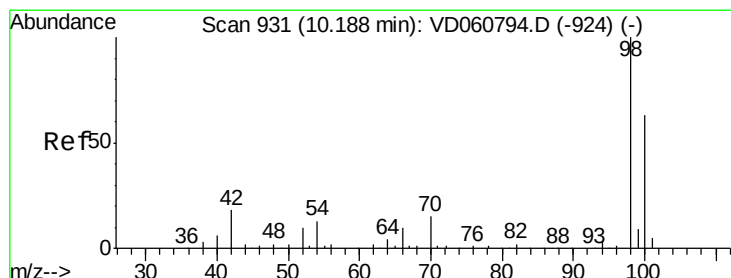
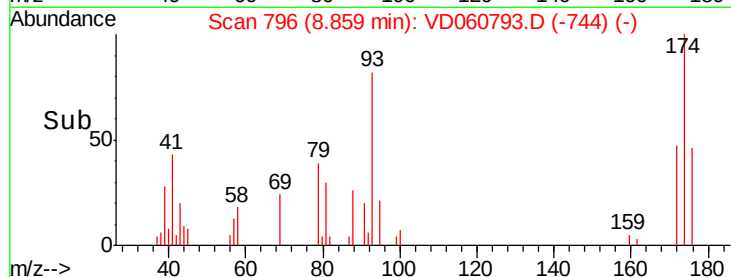
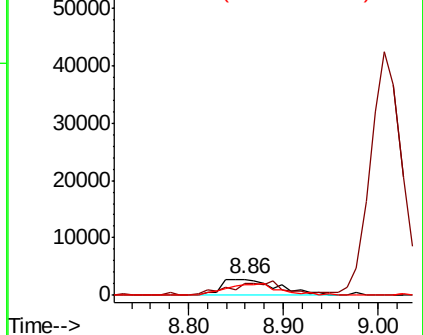
58 68.2 52.2 78.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 340.387 ug/l

RT: 10.19 min Scan# 931

Delta R.T. 0.00 min

Lab File: VD060793.D

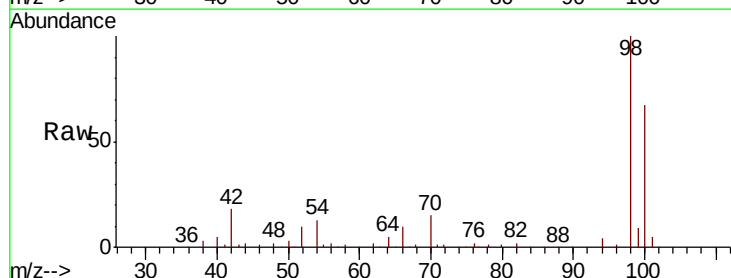
Acq: 28 Jan 2019 16:10

Tgt Ion: 98 Resp: 364817

Ion Ratio Lower Upper

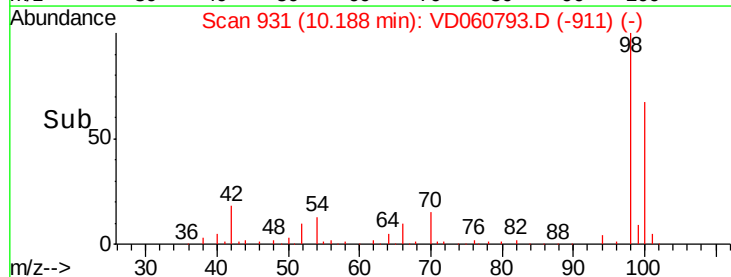
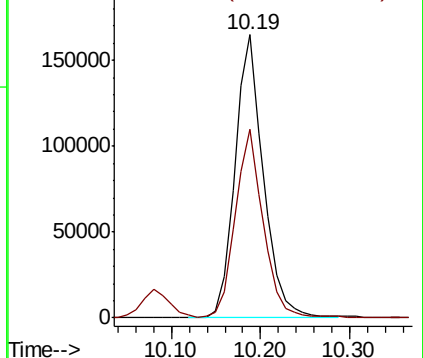
98 100

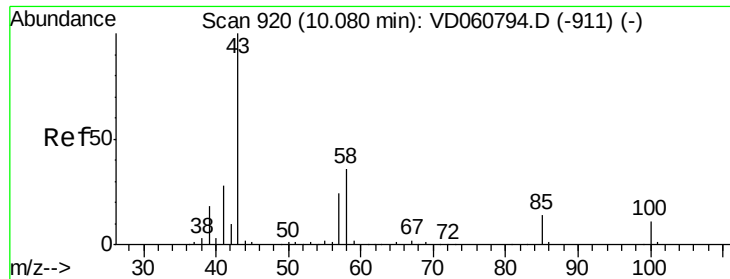
100 66.8 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

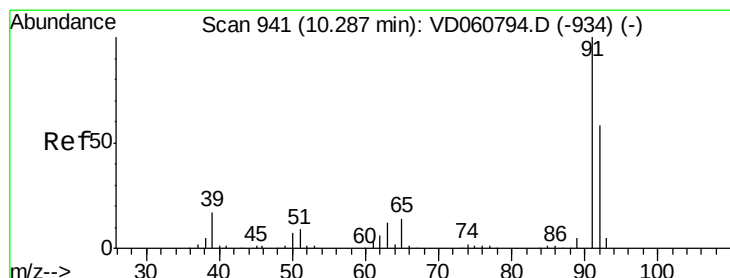
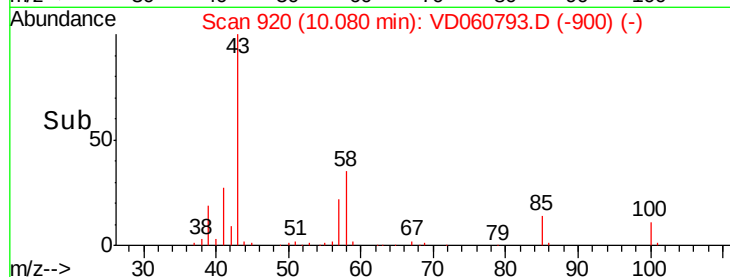
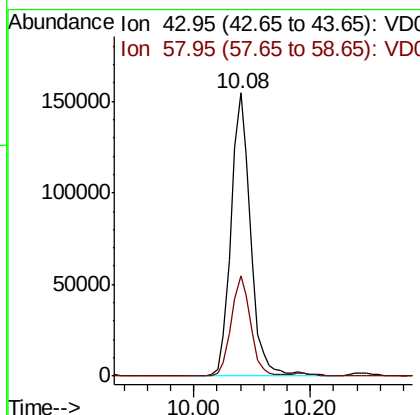
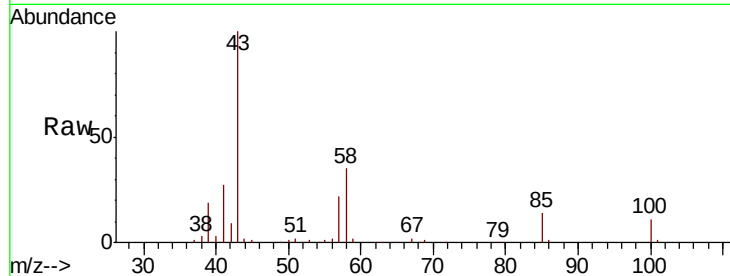




#51
4-Methyl-2-Pentanone
Concen: 93.531 ug/l
RT: 10.08 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

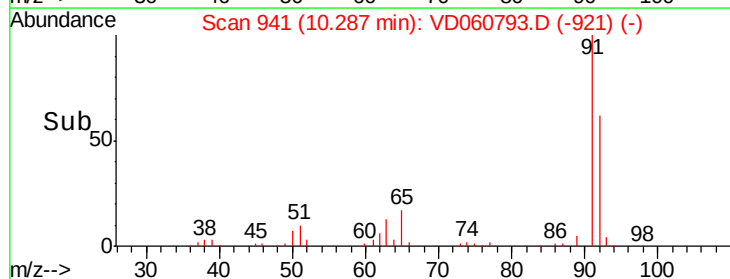
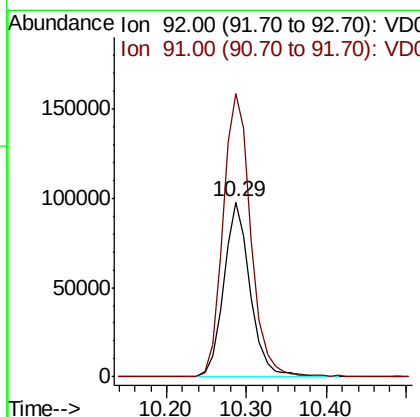
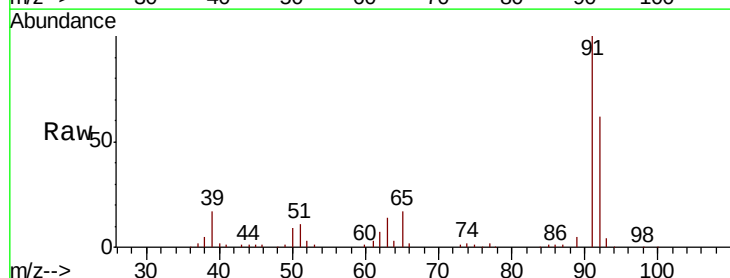
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

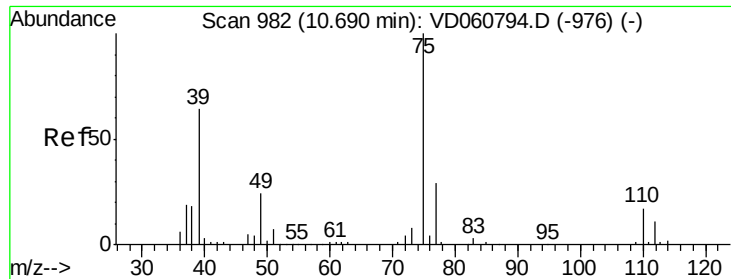
Tgt Ion: 43 Resp: 361153
Ion Ratio Lower Upper
43 100
58 35.2 28.4 42.6



#52
Toluene
Concen: 18.420 ug/l
RT: 10.29 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 92 Resp: 226000
Ion Ratio Lower Upper
92 100
91 162.0 137.7 206.5

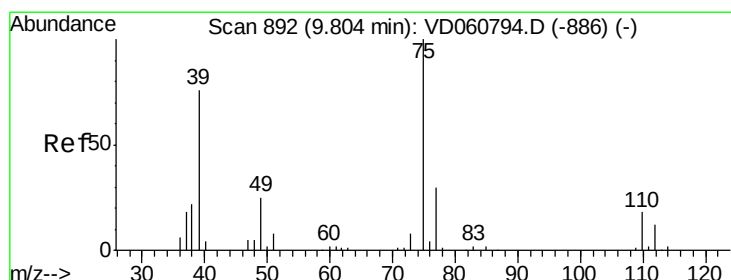
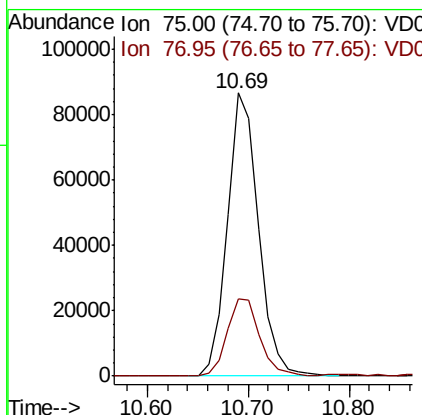
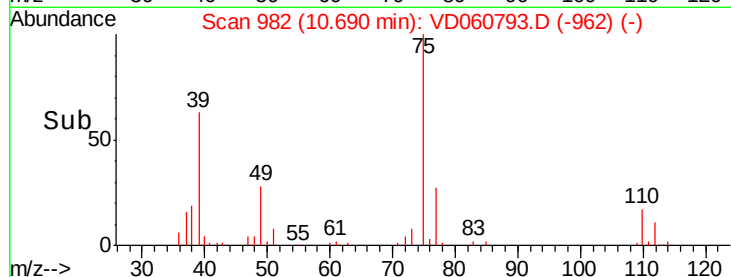
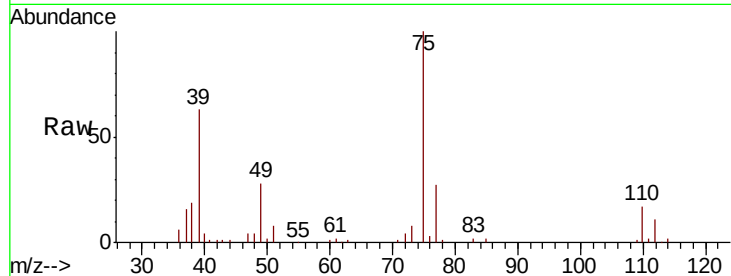




#53
 t-1,3-Dichloropropene
 Concen: 19.672 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

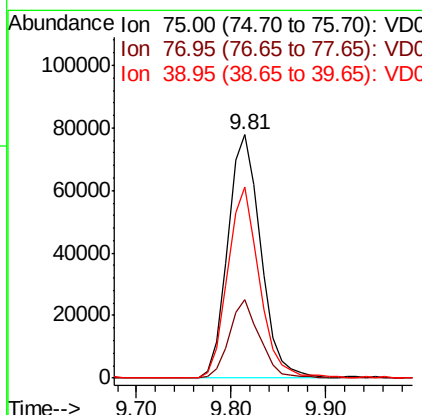
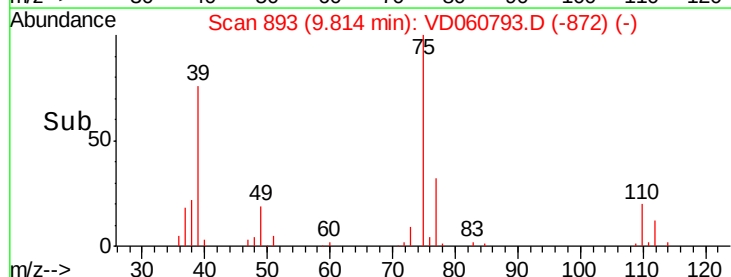
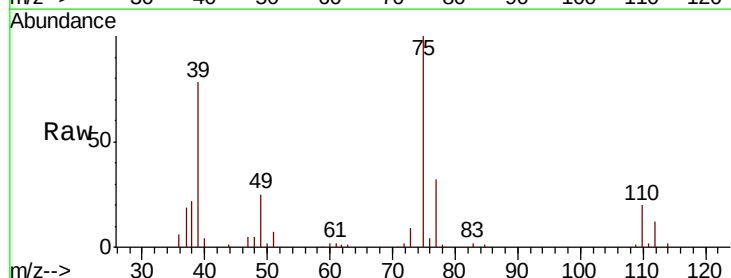
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

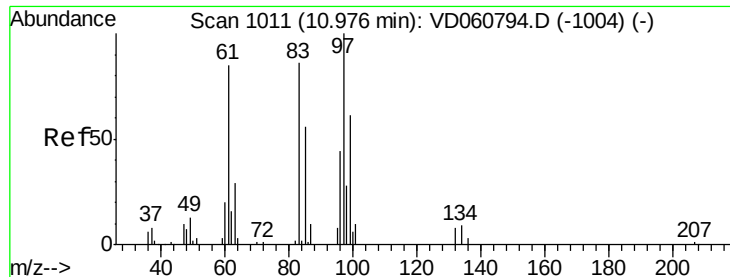
Tgt Ion: 75 Resp: 184542
 Ion Ratio Lower Upper
 75 100
 77 27.2 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.300 ug/l
 RT: 9.81 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 75 Resp: 186883
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.9 35.9
 39 78.5 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 18.119 ug/l

RT: 10.98 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 78411

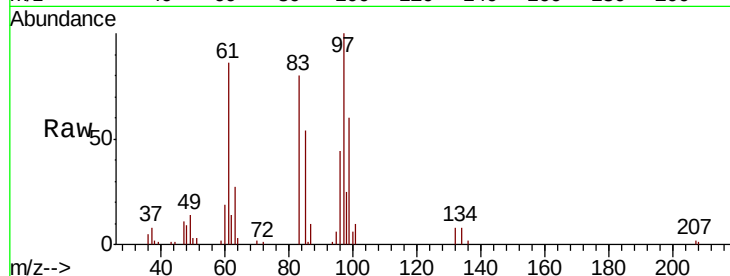
Ion Ratio Lower Upper

97 100

83 80.4 68.5 102.7

85 53.5 45.0 67.6

99 60.4 49.0 73.4



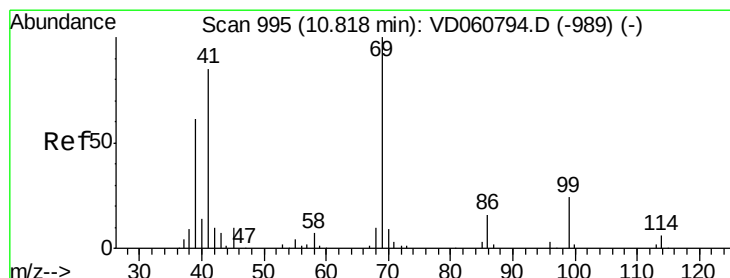
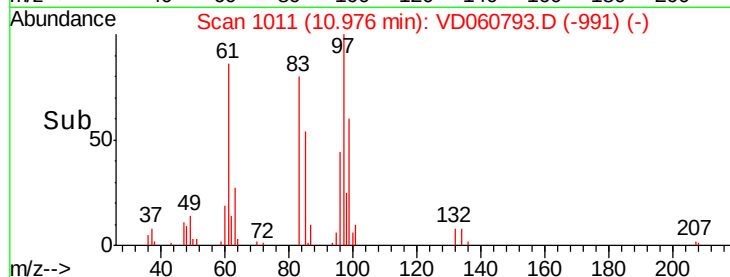
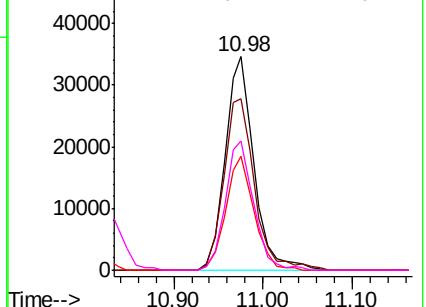
Abundance

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: 18.255 ug/l

RT: 10.83 min Scan# 996

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

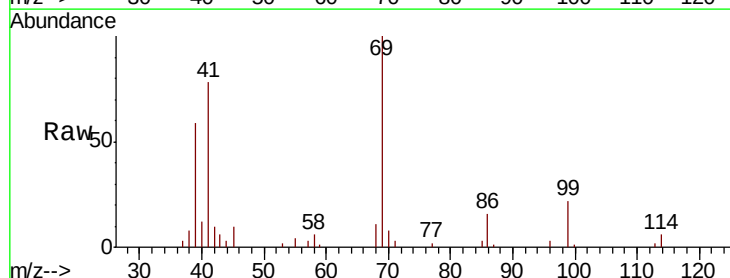
Tgt Ion: 69 Resp: 94689

Ion Ratio Lower Upper

69 100

41 78.5 68.2 102.2

39 59.1 49.4 74.0

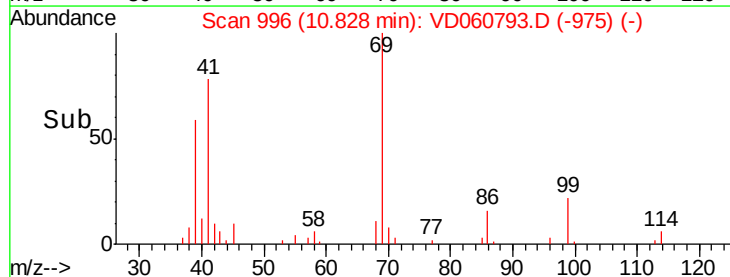
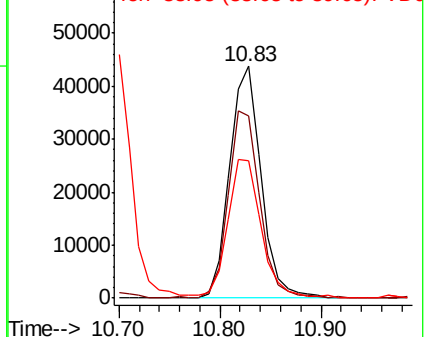


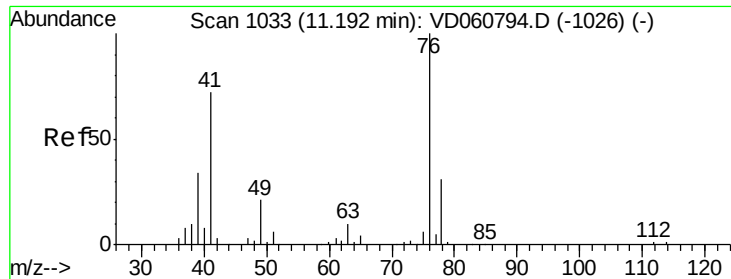
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

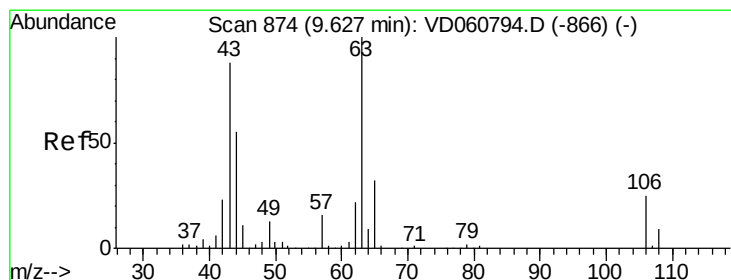
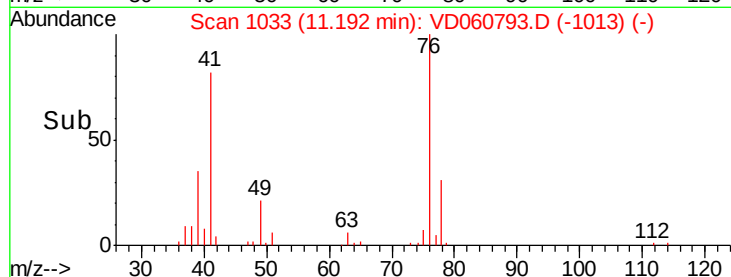
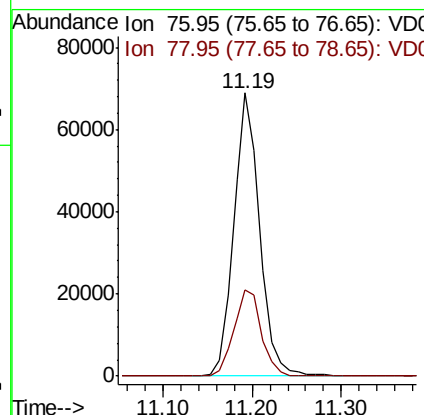
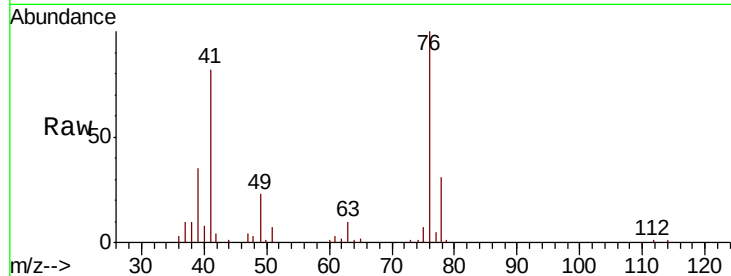




#57
 1,3-Dichloropropane
 Concen: 19.682 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

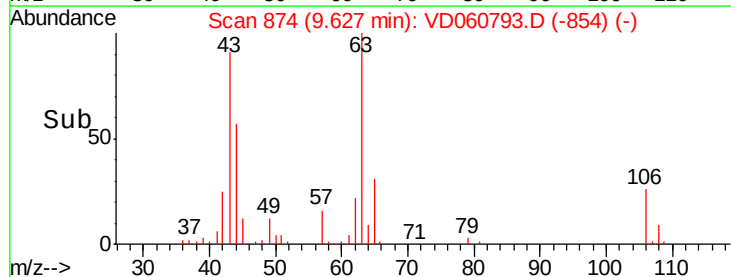
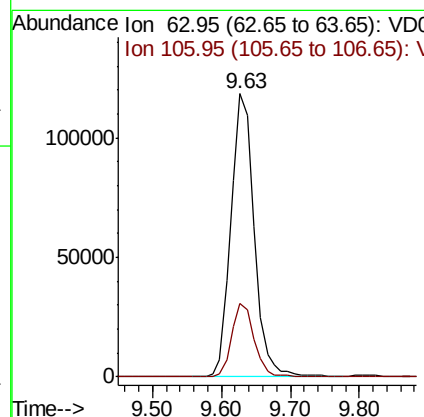
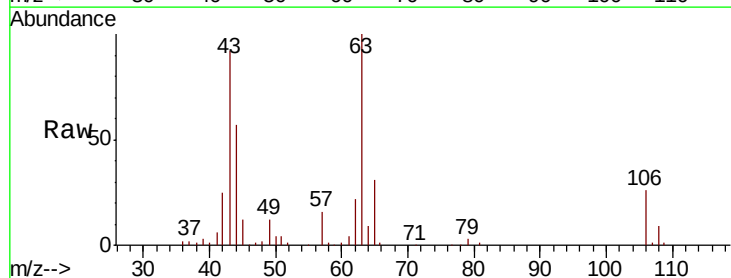
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

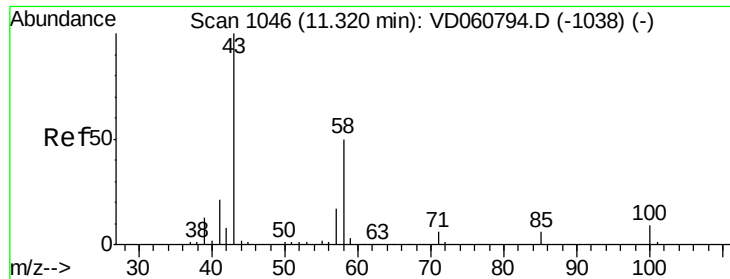
Tgt Ion: 76 Resp: 139666
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.260 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 63 Resp: 277554
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.9 29.9

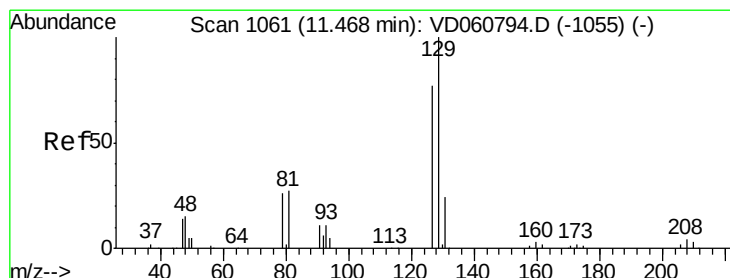
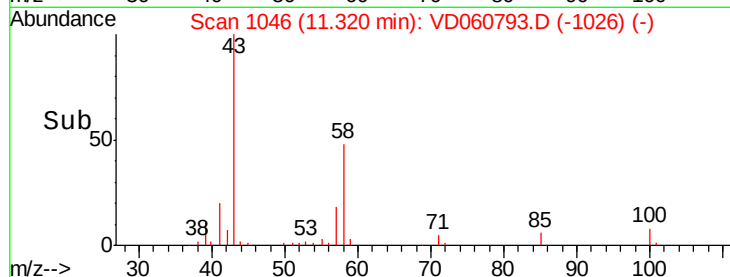
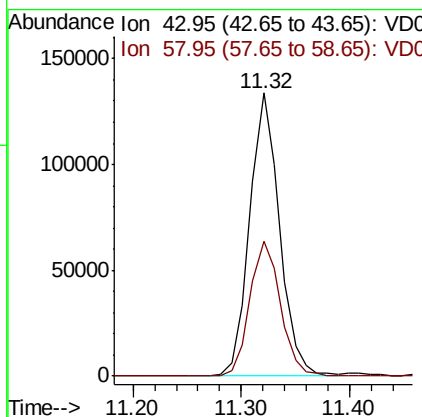
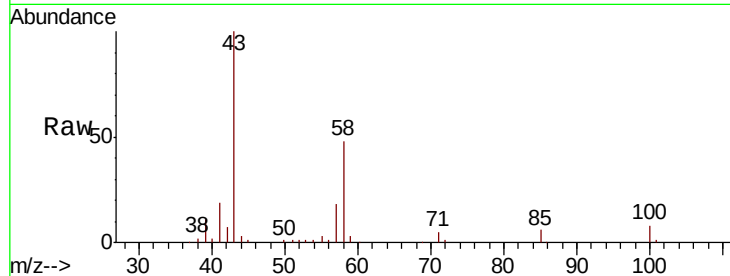




#59
2-Hexanone
Concen: 87.867 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

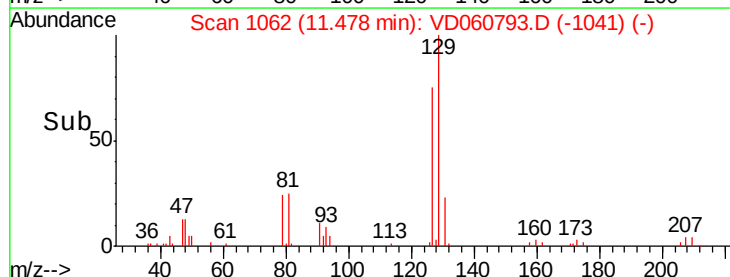
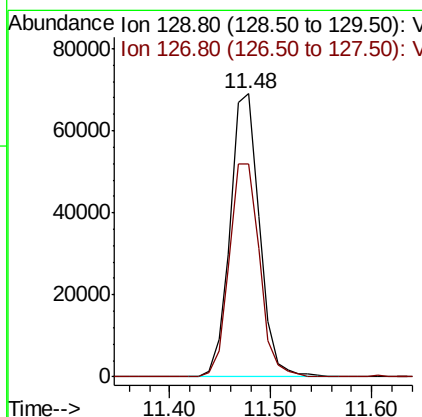
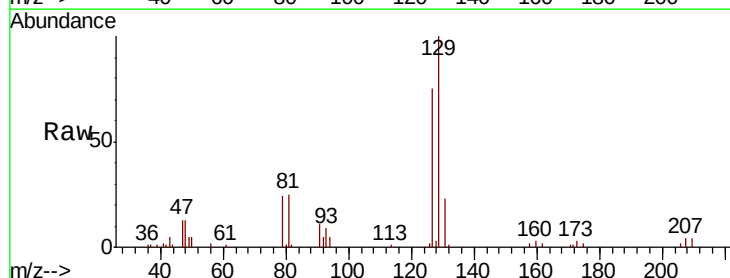
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

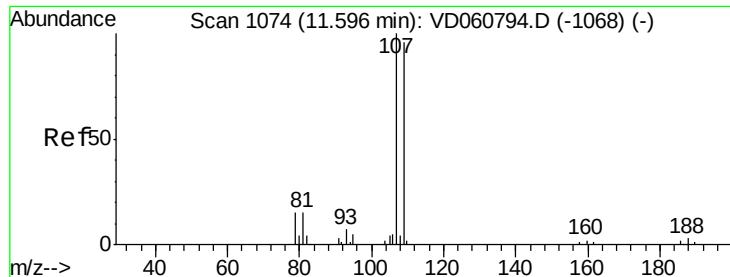
Tgt Ion: 43 Resp: 256702
Ion Ratio Lower Upper
43 100
58 47.6 25.0 75.0



#60
Dibromochloromethane
Concen: 19.381 ug/l
RT: 11.48 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 129 Resp: 139139
Ion Ratio Lower Upper
129 100
127 75.2 38.6 115.7

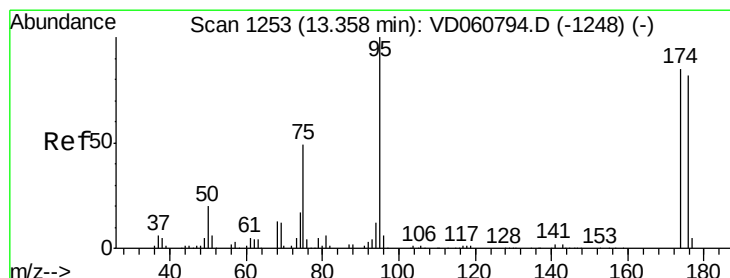
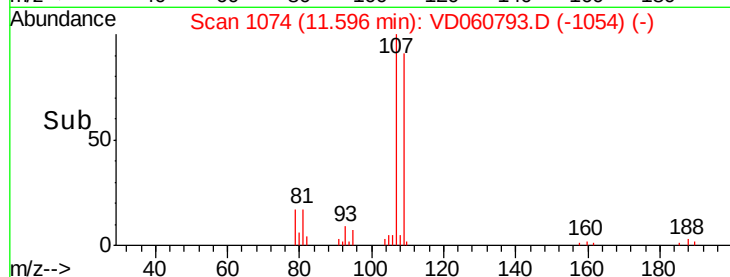
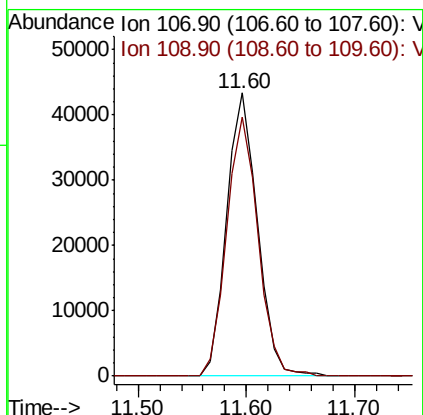
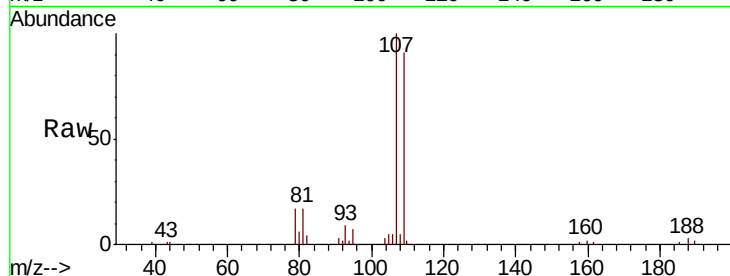




#61
 1,2-Dibromoethane
 Concen: 16.992 ug/l
 RT: 11.60 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

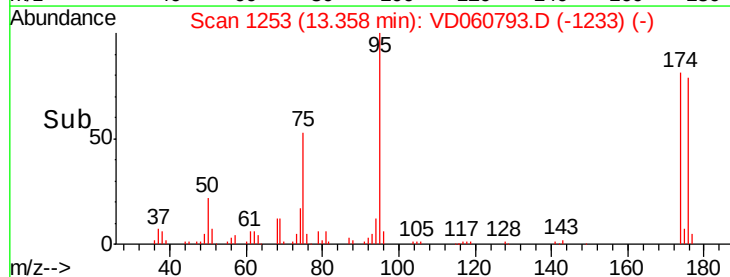
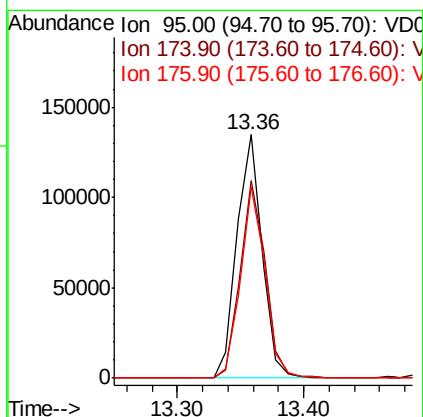
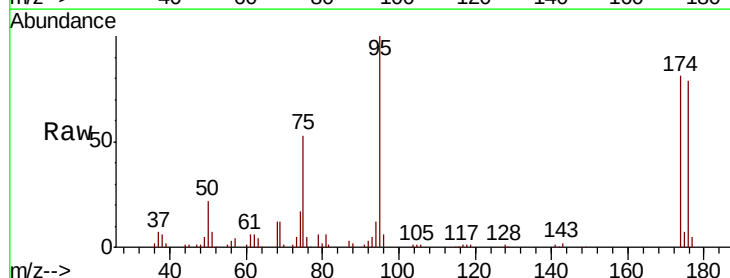
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

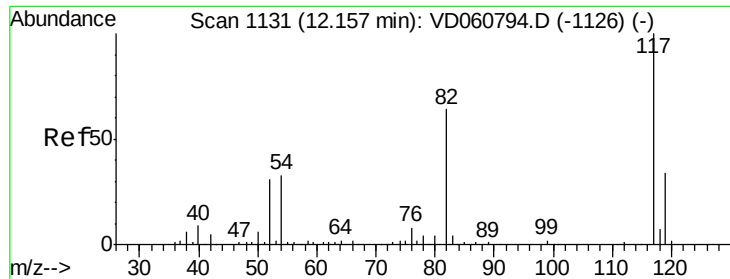
Tgt Ion: 107 Resp: 85732
 Ion Ratio Lower Upper
 107 100
 109 91.4 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 16.992 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 95 Resp: 184863
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 169.6
 176 78.5 0.0 163.8

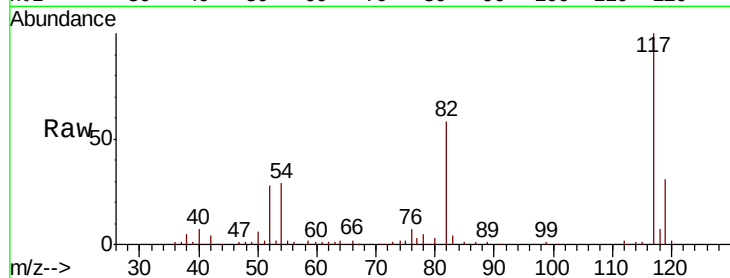




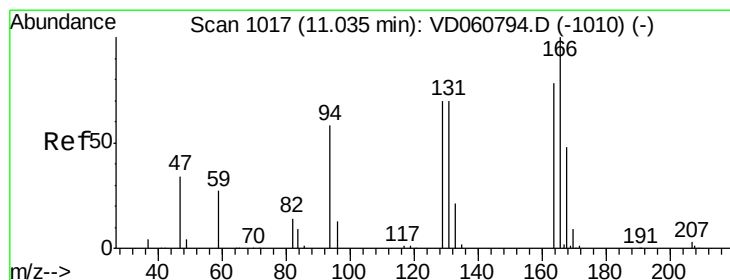
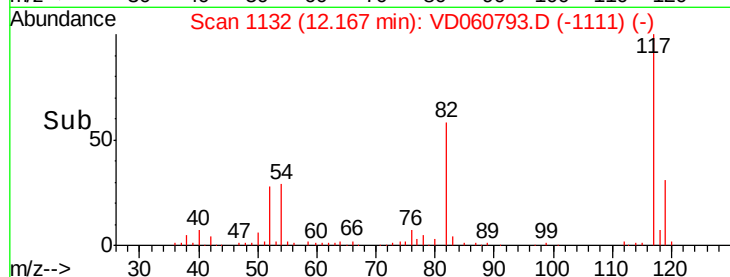
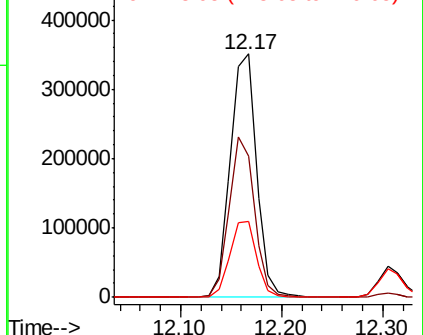
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 636342
Ion Ratio Lower Upper
117 100
82 57.8 51.5 77.3
119 31.2 27.1 40.7

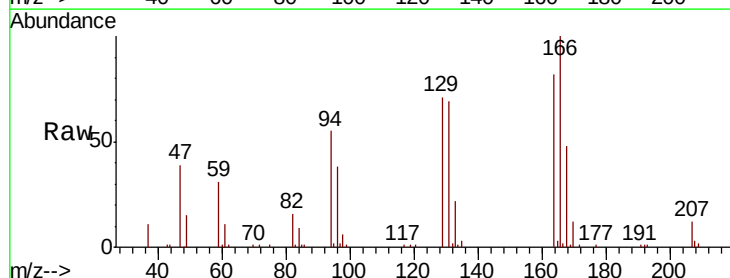


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

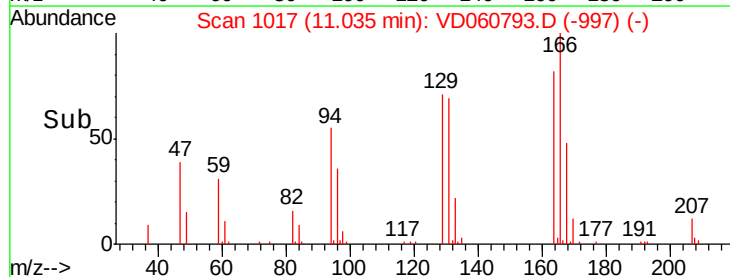
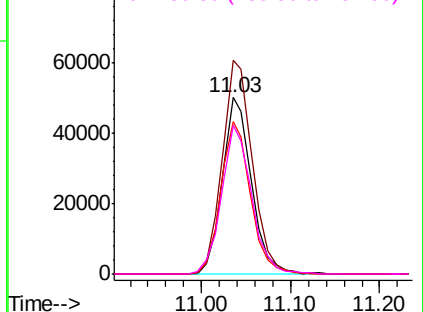


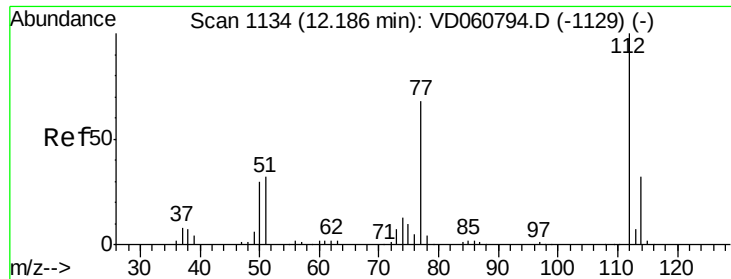
#64
Tetrachloroethene
Concen: 19.089 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion:164 Resp: 114401
Ion Ratio Lower Upper
164 100
166 121.2 102.6 154.0
129 86.2 72.3 108.5
131 84.2 72.1 108.1



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

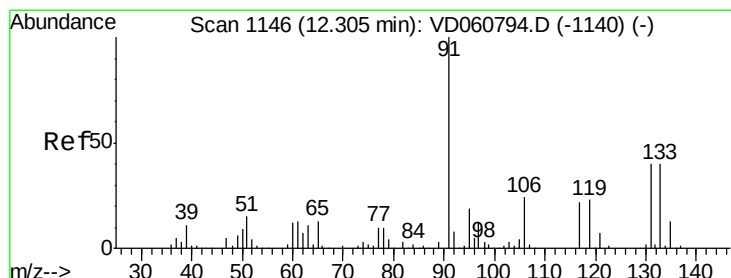
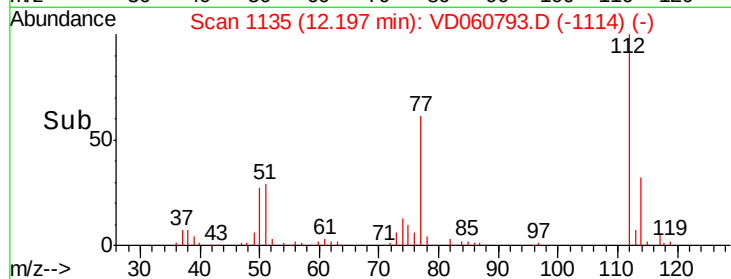
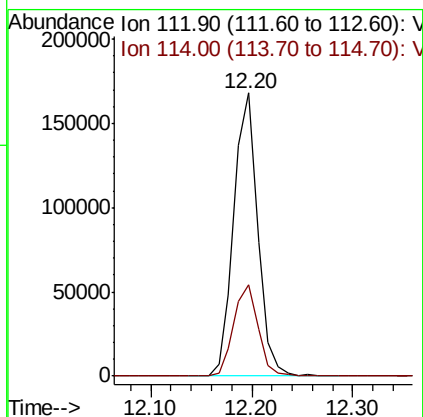
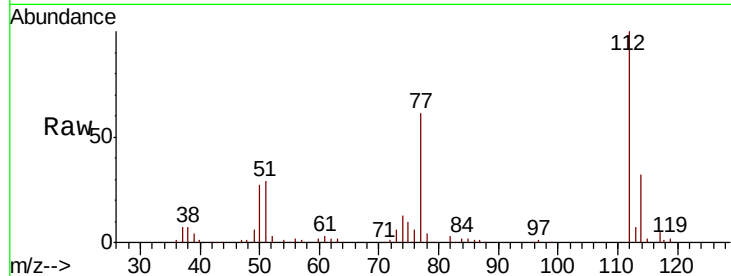




#65
Chlorobenzene
Concen: 19.574 ug/l
RT: 12.20 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

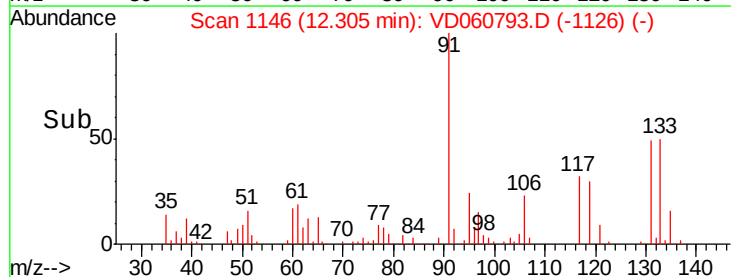
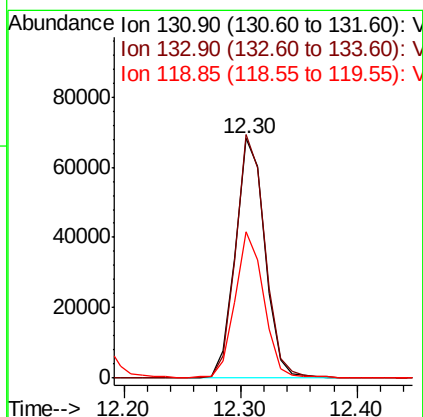
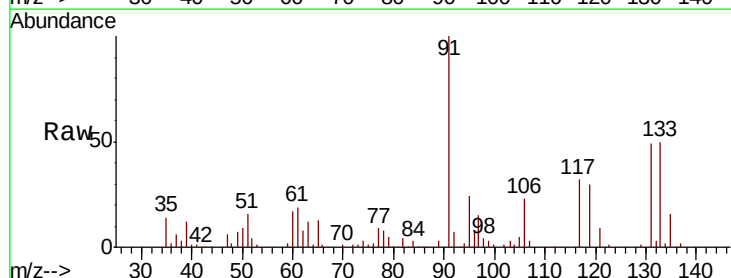
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

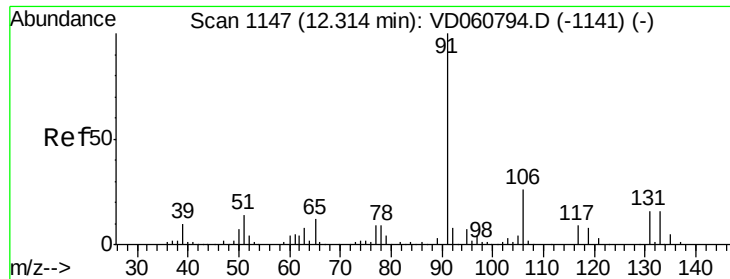
Tgt Ion:112 Resp: 277118
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.827 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion:131 Resp: 119634
Ion Ratio Lower Upper
131 100
133 101.8 49.9 149.7
119 60.9 28.5 85.5

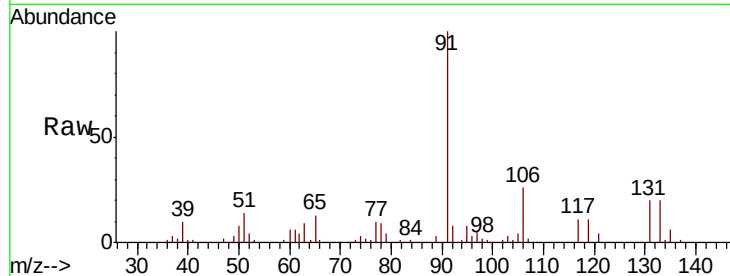




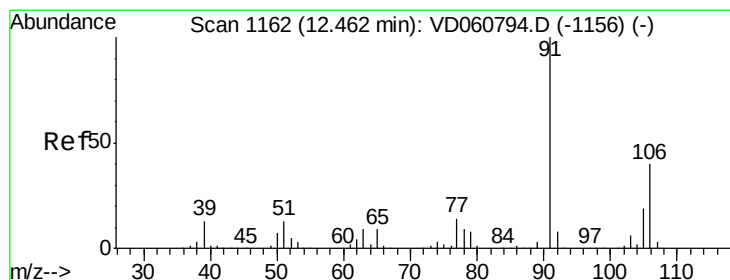
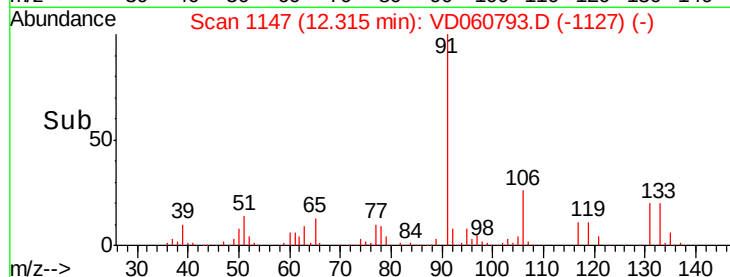
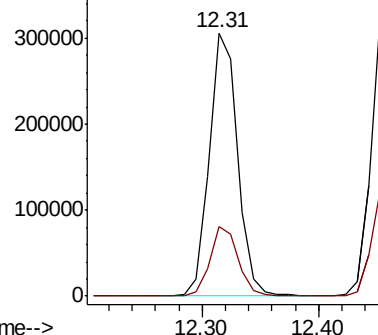
#67
Ethyl Benzene
Concen: 20.290 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 514000
Ion Ratio Lower Upper
91 100
106 26.2 21.0 31.6

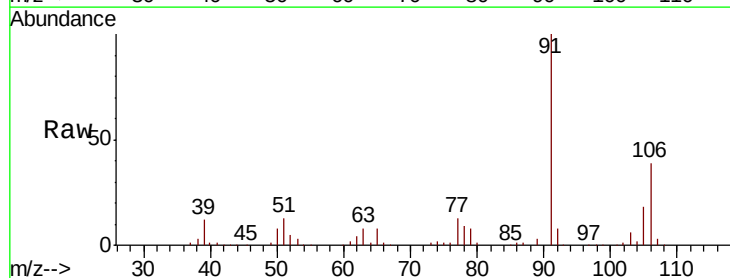


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

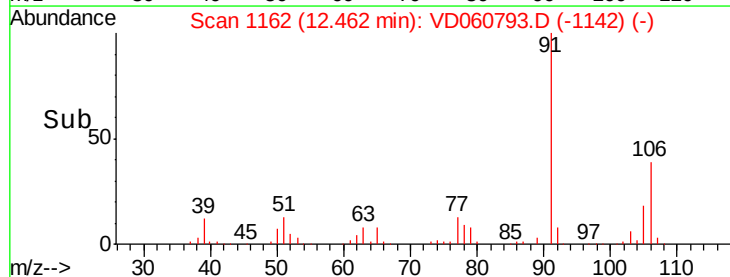
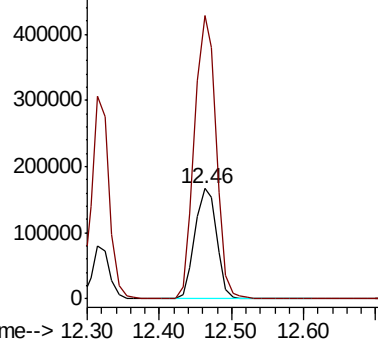


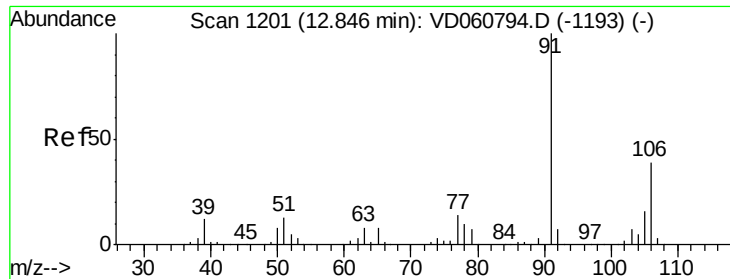
#68
m/p-Xylenes
Concen: 40.774 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 106 Resp: 348932
Ion Ratio Lower Upper
106 100
91 256.5 200.5 300.7



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

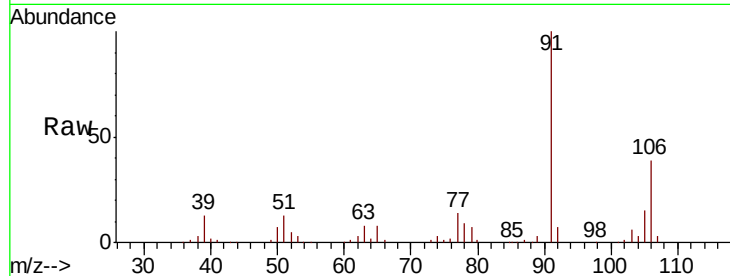




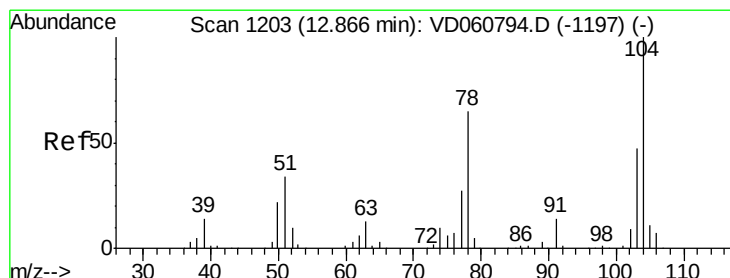
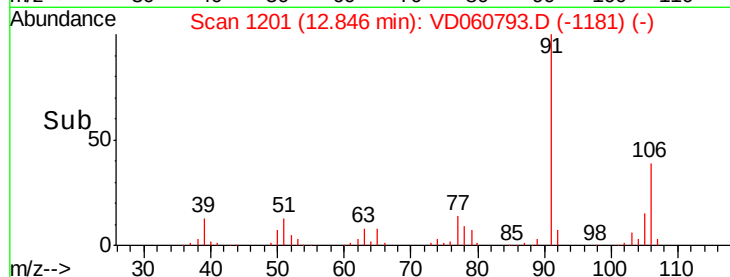
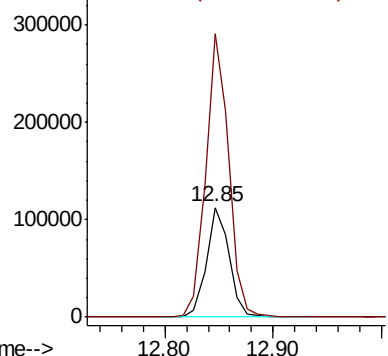
#69
o-Xylene
Concen: 20.259 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 163782
Ion Ratio Lower Upper
106 100
91 258.0 127.6 382.7

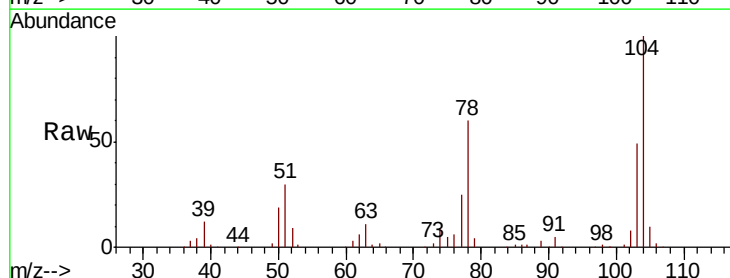


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

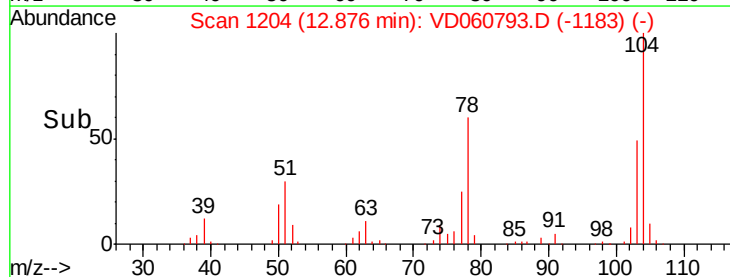
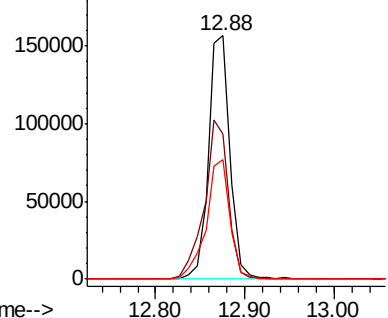


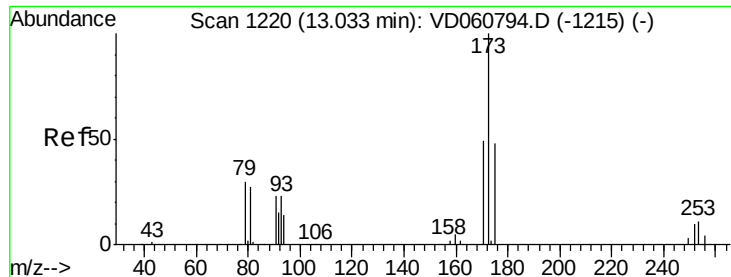
#70
Styrene
Concen: 19.200 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion:104 Resp: 263900
Ion Ratio Lower Upper
104 100
78 59.8 52.0 78.0
103 49.0 37.7 56.5



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





#71

Bromoform

Concen: 19.379 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

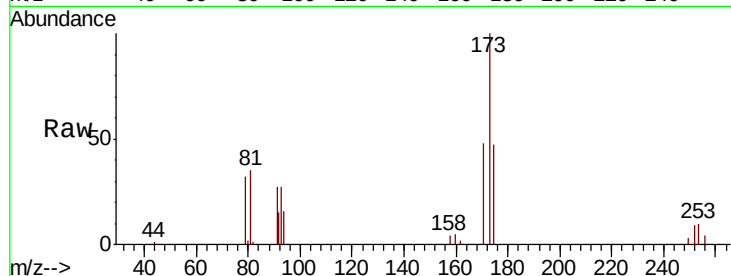
Tgt Ion:173 Resp: 90209

Ion Ratio Lower Upper

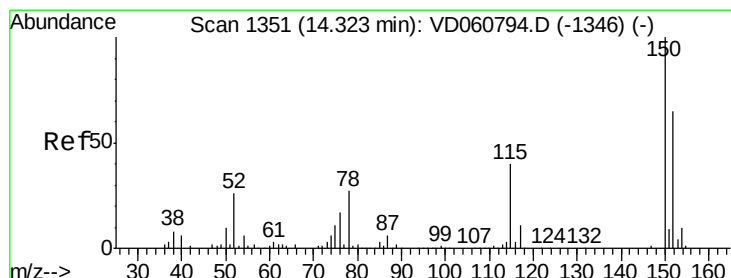
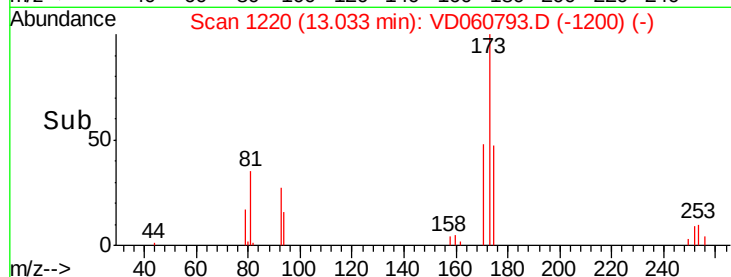
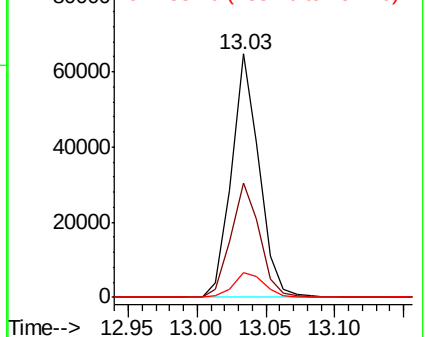
173 100

175 46.9 24.1 72.4

254 10.4 9.1 13.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

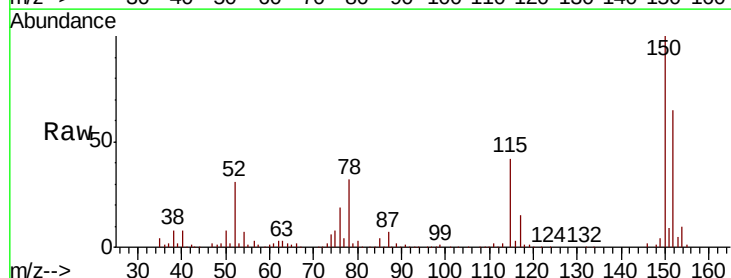
Tgt Ion:152 Resp: 336340

Ion Ratio Lower Upper

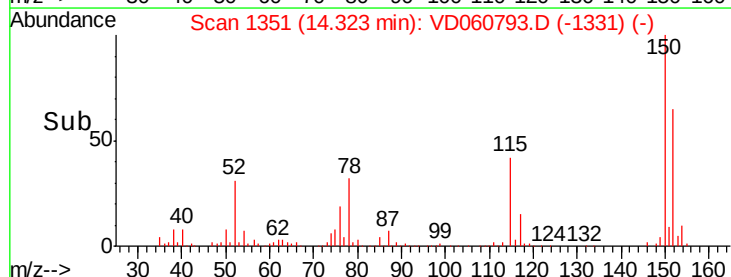
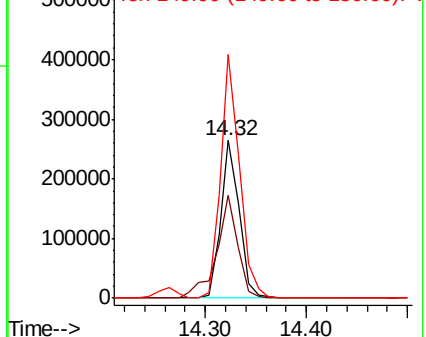
152 100

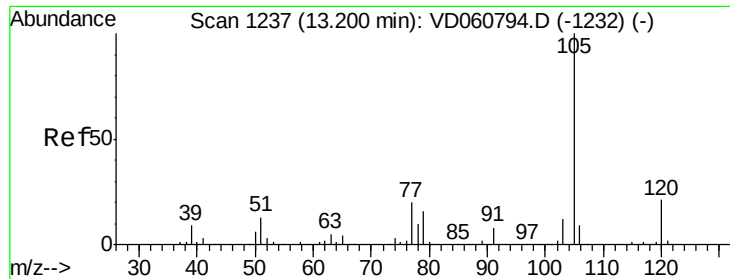
115 65.4 31.6 95.0

150 154.8 0.0 317.6



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





#73

Isopropylbenzene

Concen: 18.971 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

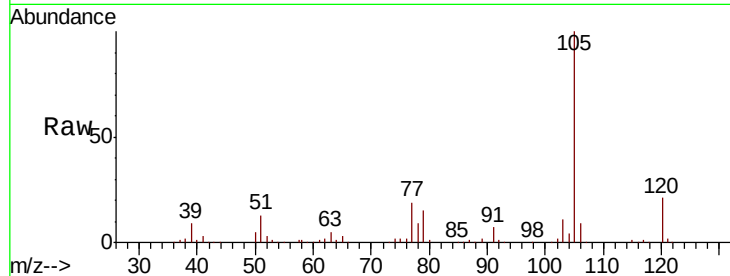
VSTDIC020

Tgt Ion: 105 Resp: 494738

Ion Ratio Lower Upper

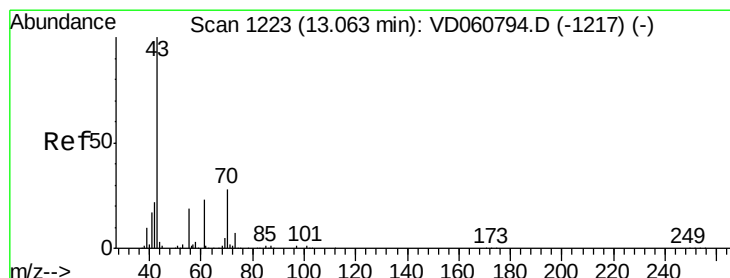
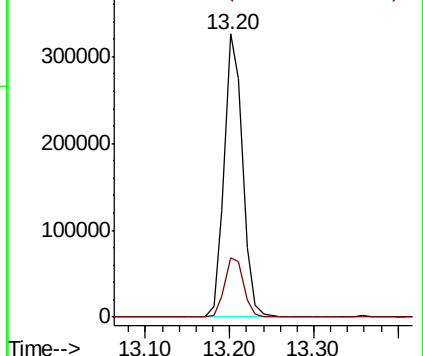
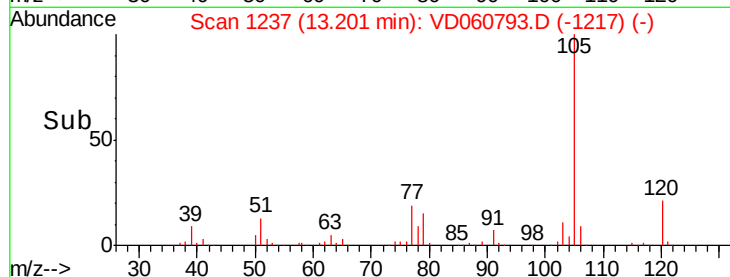
105 100

120 20.8 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.280 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Tgt Ion: 43 Resp: 145530

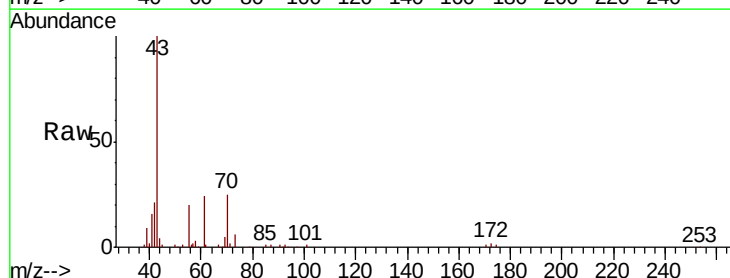
Ion Ratio Lower Upper

43 100

70 25.3 22.2 33.4

55 20.0 15.5 23.3

61 24.1 18.4 27.6

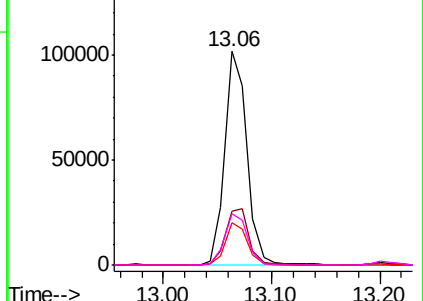
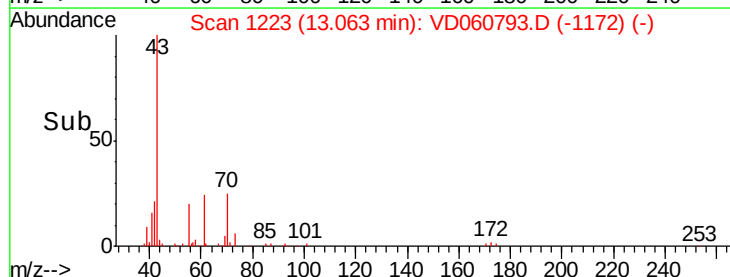


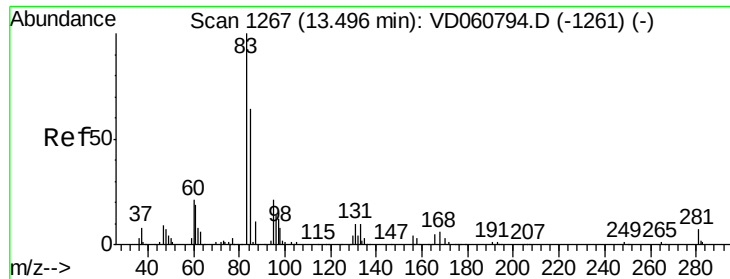
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.358 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

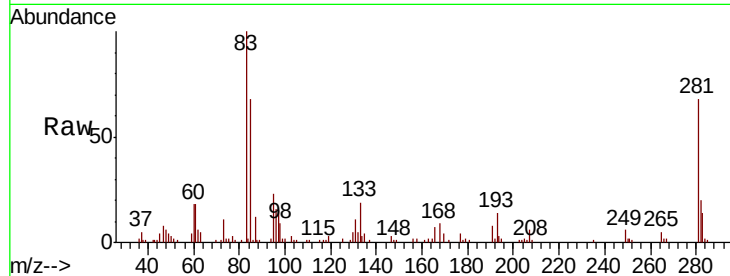
Tgt Ion: 83 Resp: 90617

Ion Ratio Lower Upper

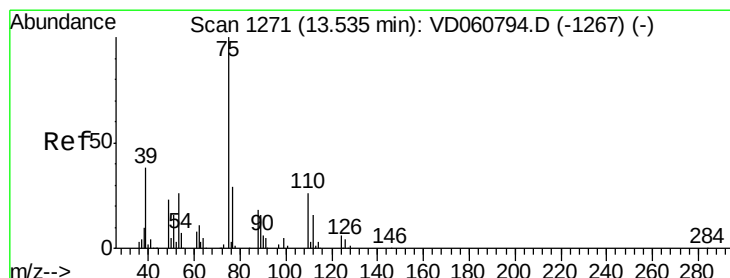
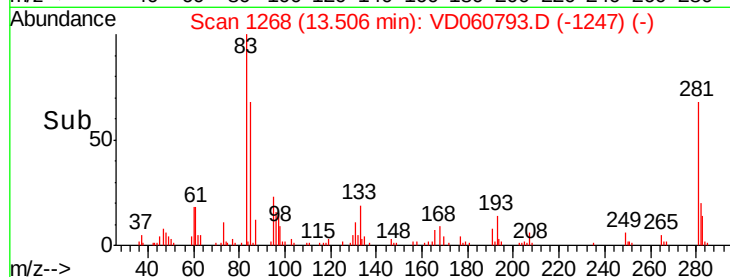
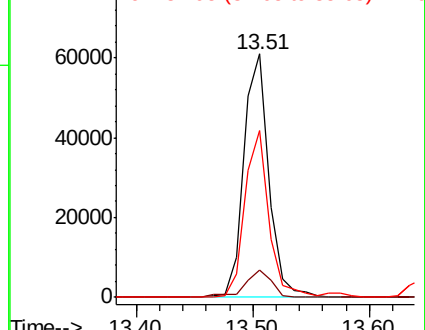
83 100

131 11.4 5.0 15.0

85 68.4 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.516 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD060793.D

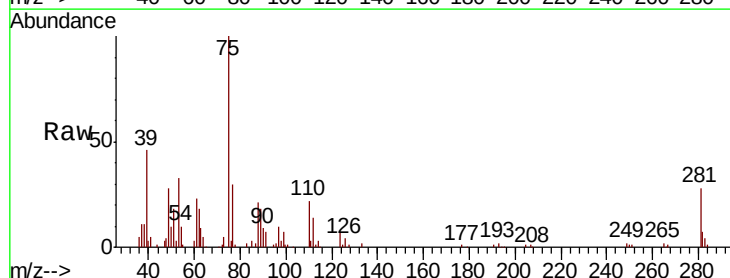
Acq: 28 Jan 2019 16:10

Tgt Ion: 75 Resp: 114331

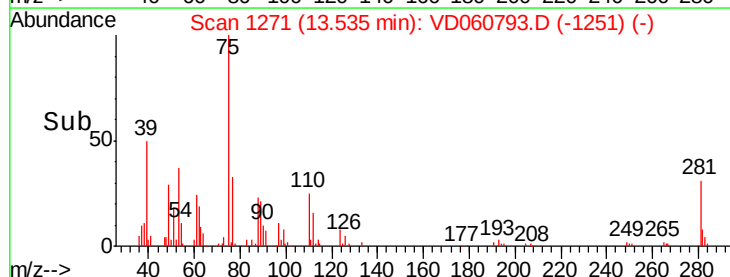
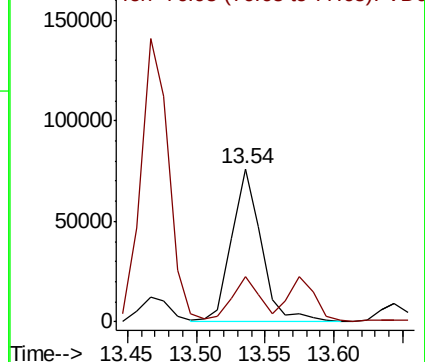
Ion Ratio Lower Upper

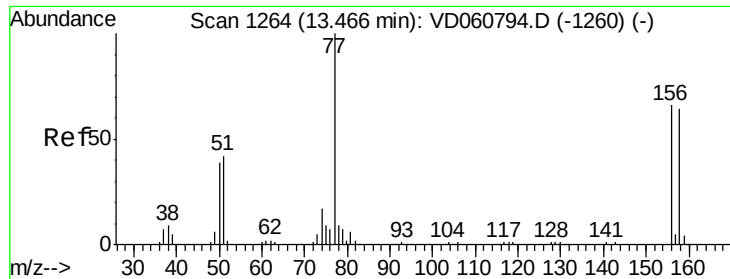
75 100

77 29.7 15.9 47.7



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





#77

Bromobenzene

Concen: 19.122 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

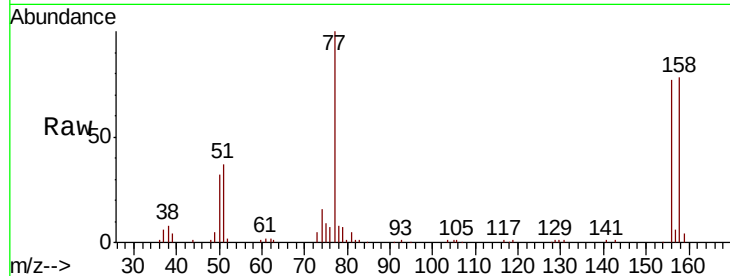
Tgt Ion:156 Resp: 129189

Ion Ratio Lower Upper

156 100

77 130.1 76.0 228.0

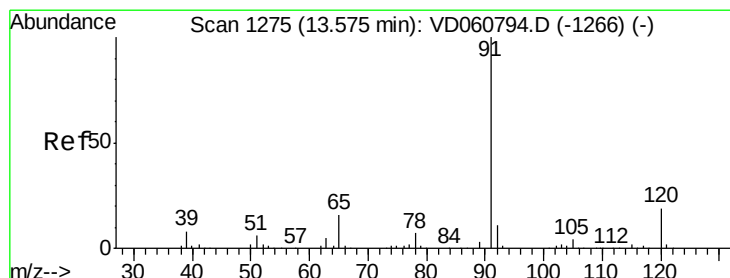
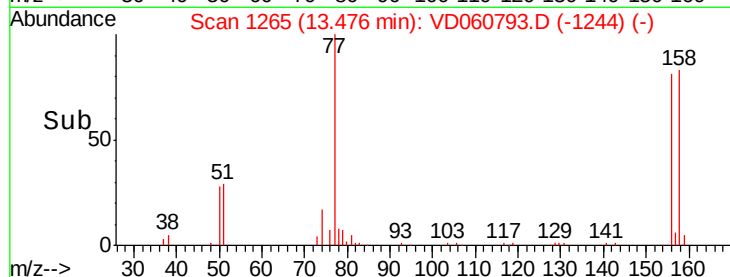
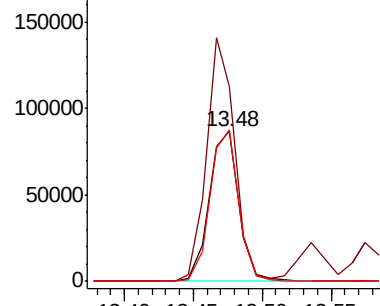
158 101.5 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.296 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060793.D

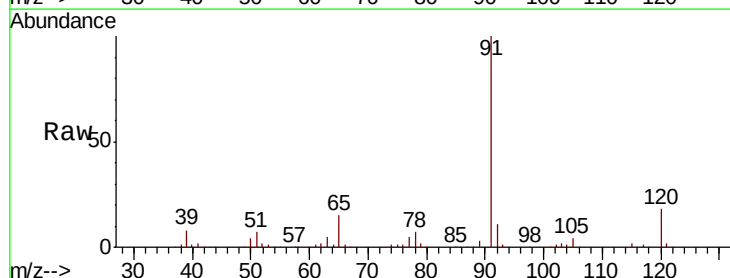
Acq: 28 Jan 2019 16:10

Tgt Ion: 91 Resp: 657287

Ion Ratio Lower Upper

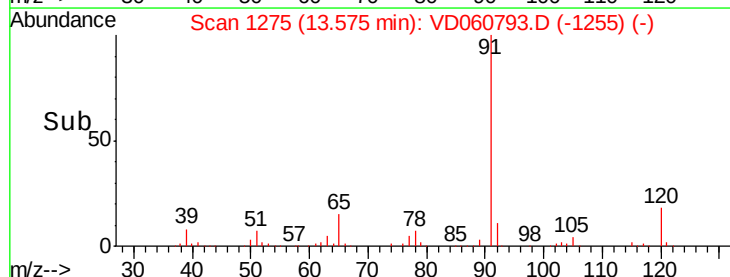
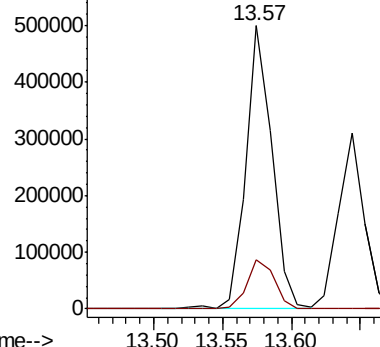
91 100

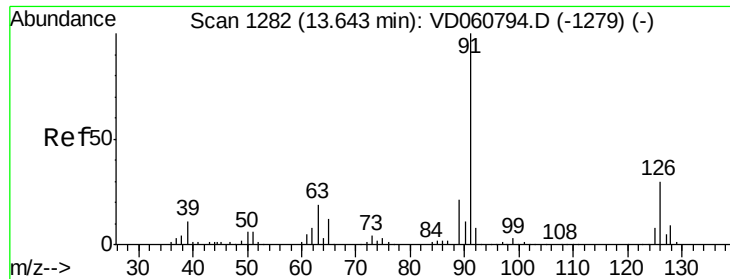
120 17.5 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

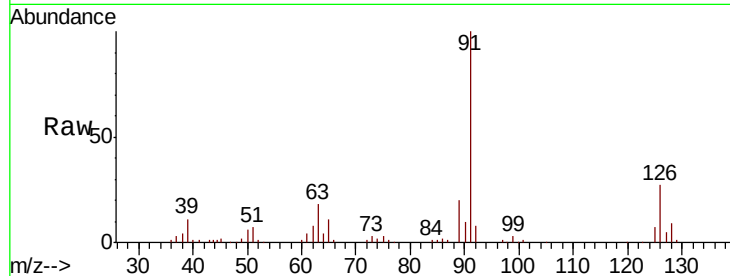




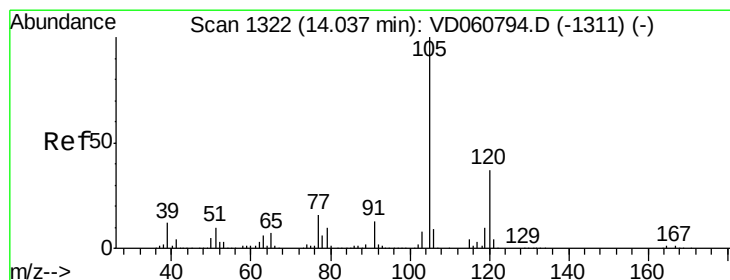
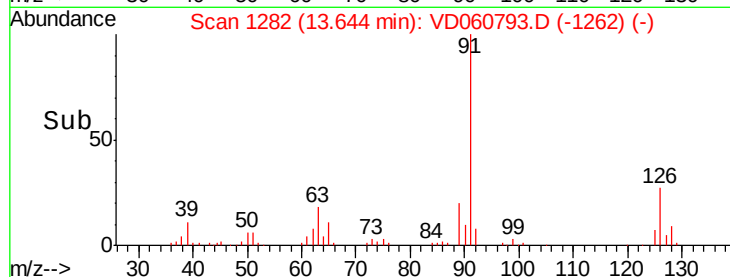
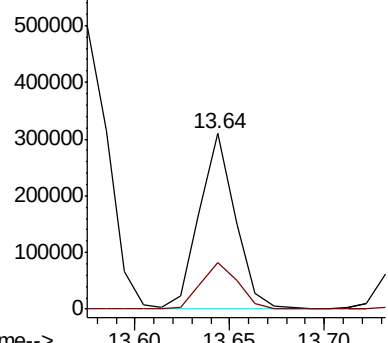
#79
2-Chlorotoluene
Concen: 20.974 ug/l
RT: 13.64 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 401946
Ion Ratio Lower Upper
91 100
126 26.8 14.7 44.1

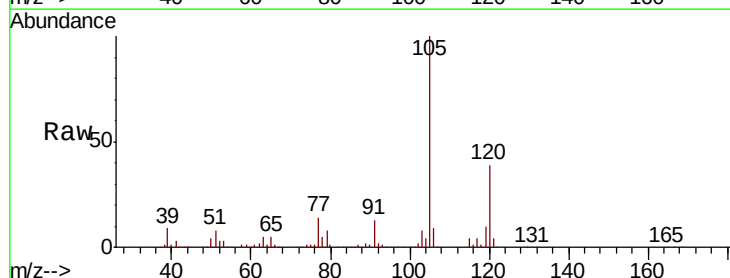


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

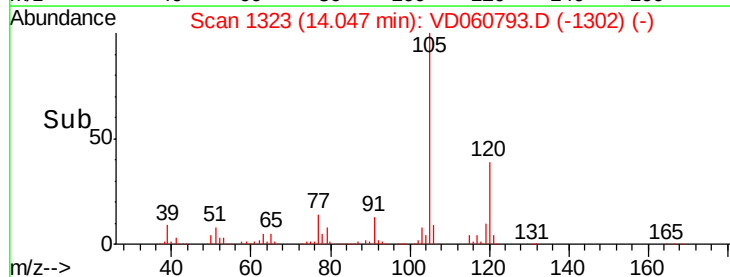
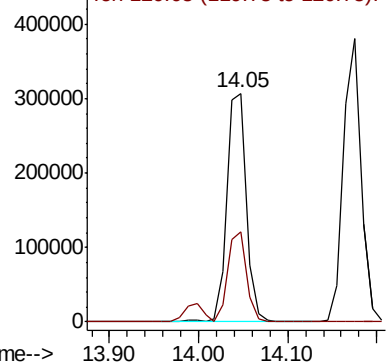


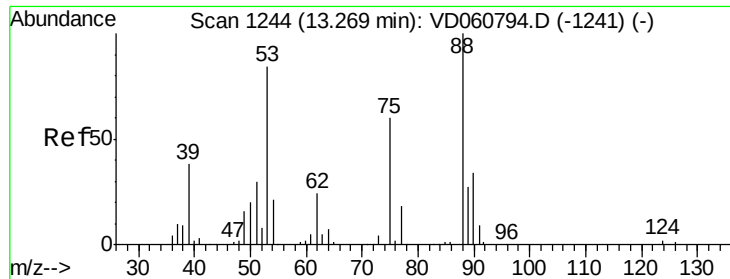
#80
1,3,5-Trimethylbenzene
Concen: 20.973 ug/l
RT: 14.05 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion: 105 Resp: 459218
Ion Ratio Lower Upper
105 100
120 39.3 18.4 55.2



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: 19.502 ug/l

RT: 13.28 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

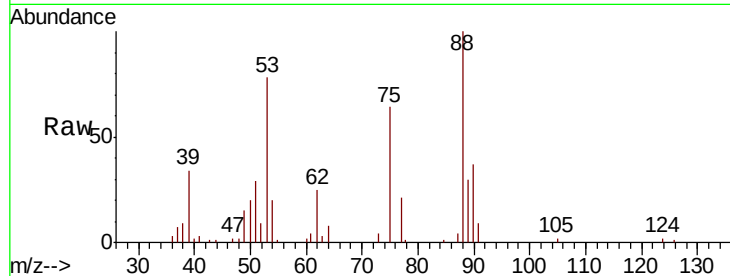
Tgt Ion: 75 Resp: 31229

Ion Ratio Lower Upper

75 100

53 122.8 111.6 167.4

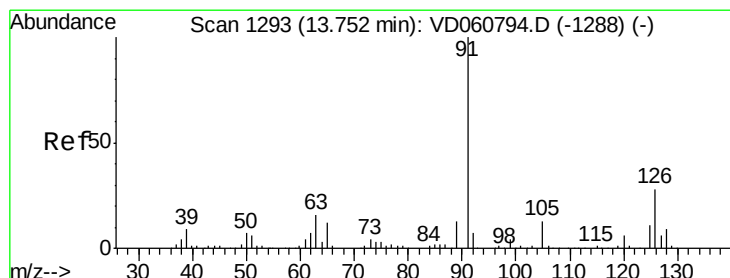
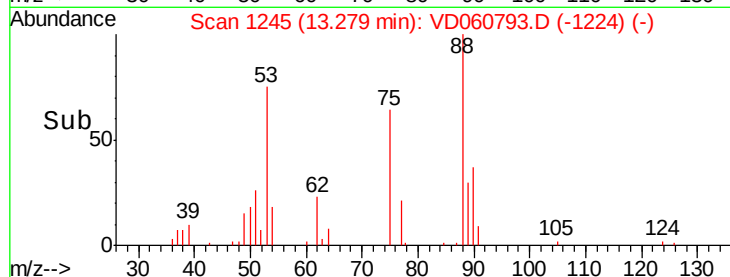
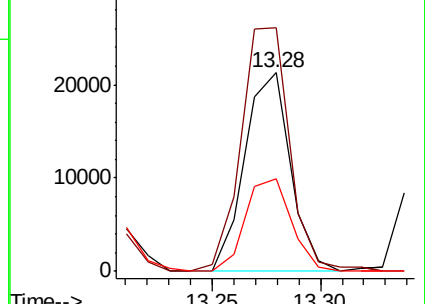
89 46.6 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.638 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD060793.D

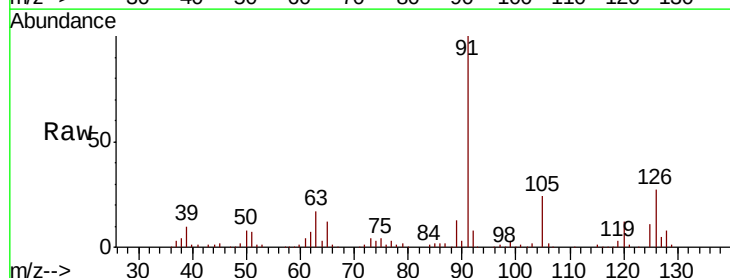
Acq: 28 Jan 2019 16:10

Tgt Ion: 91 Resp: 472661

Ion Ratio Lower Upper

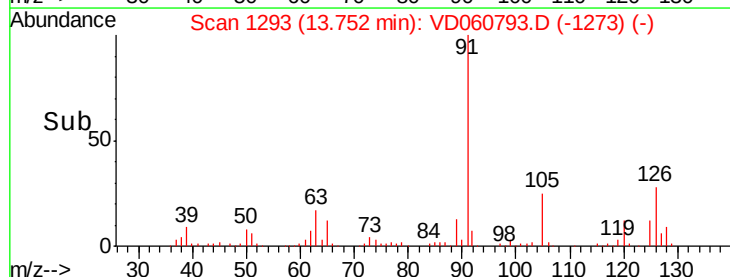
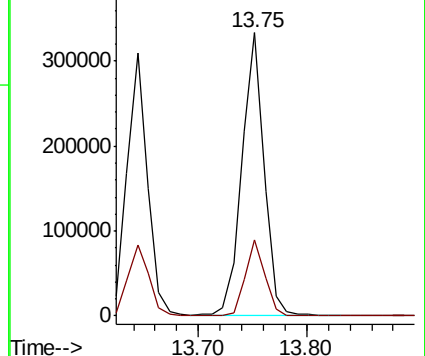
91 100

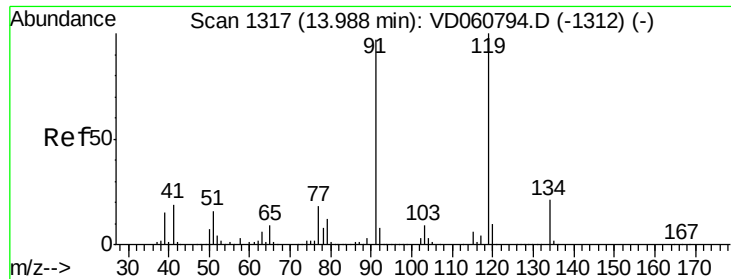
126 26.7 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

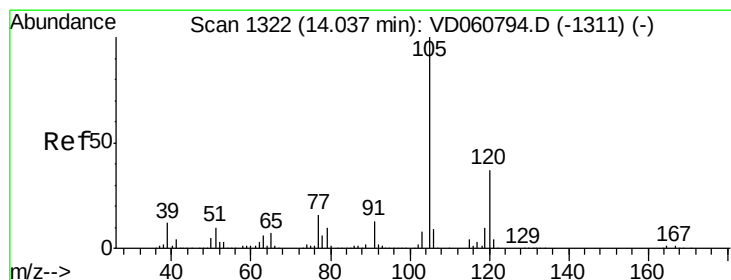
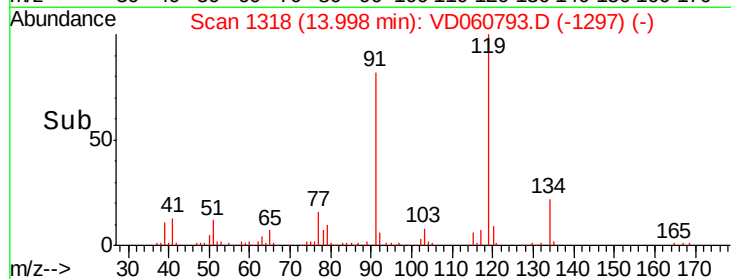
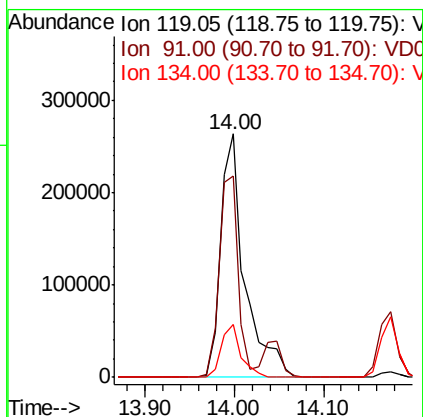
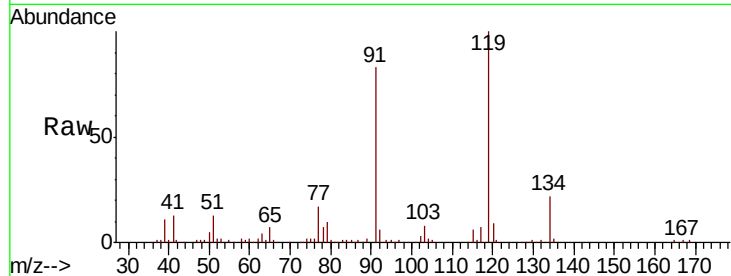




#83
tert-Butylbenzene
Concen: 21.283 ug/l
RT: 14.00 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

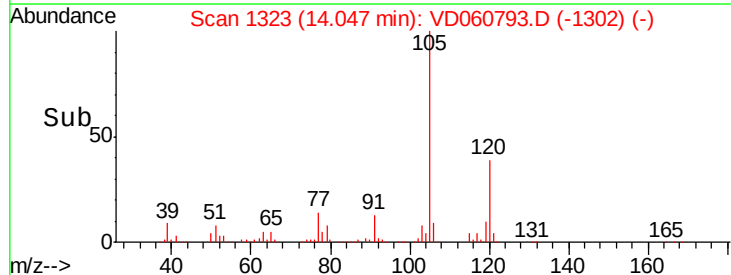
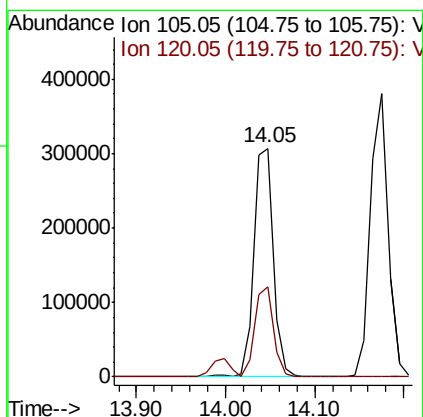
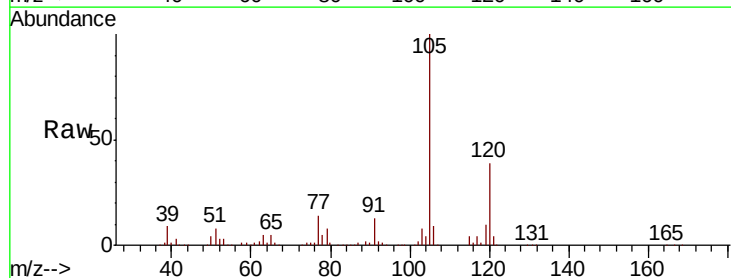
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

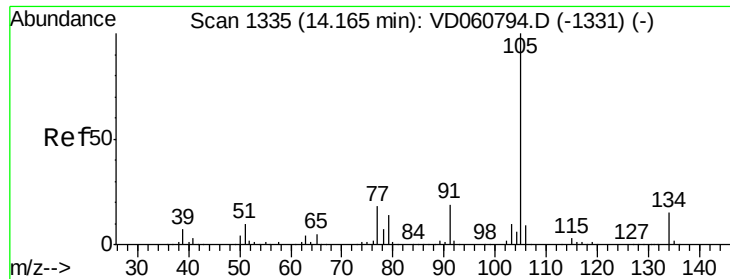
Tgt Ion:119 Resp: 497862
Ion Ratio Lower Upper
119 100
91 82.6 48.5 145.5
134 21.6 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 20.973 ug/l
RT: 14.05 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion:105 Resp: 459218
Ion Ratio Lower Upper
105 100
120 39.3 18.4 55.2

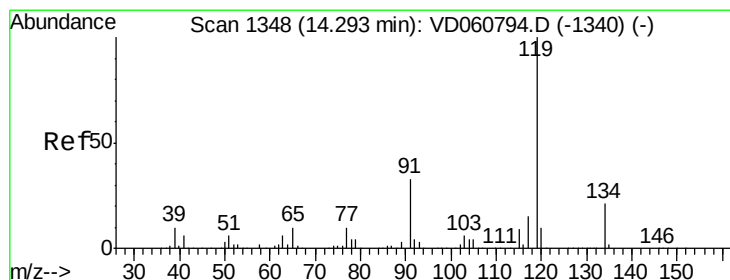
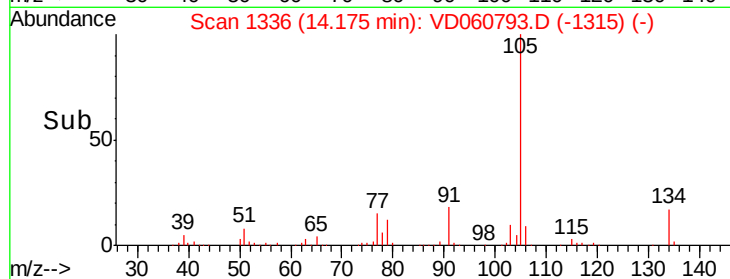
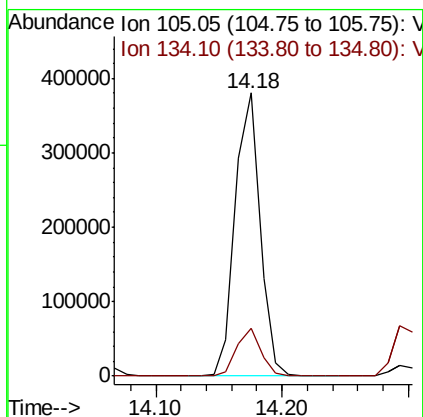
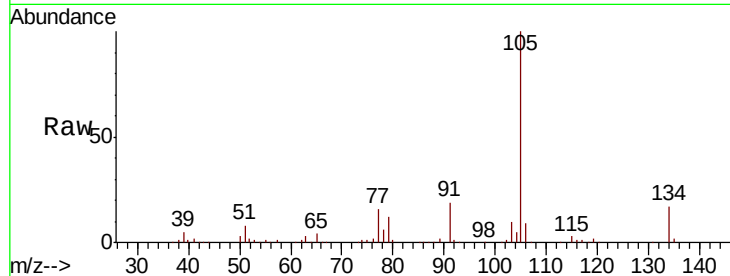




#85
 sec-Butylbenzene
 Concen: 19.663 ug/l
 RT: 14.18 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

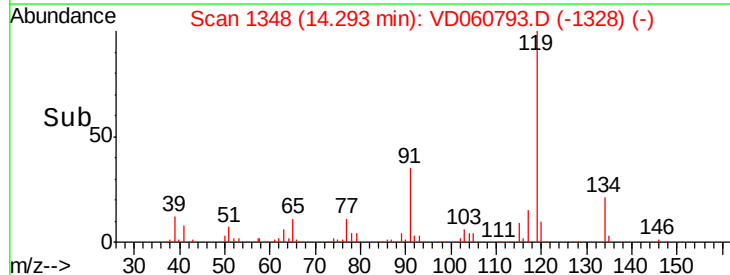
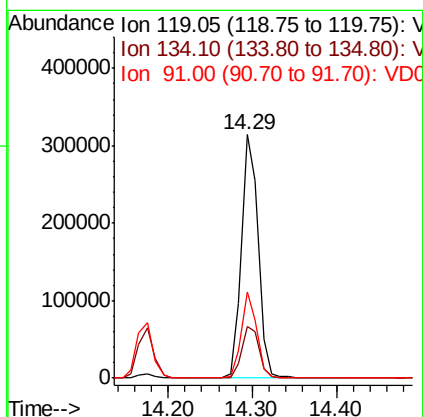
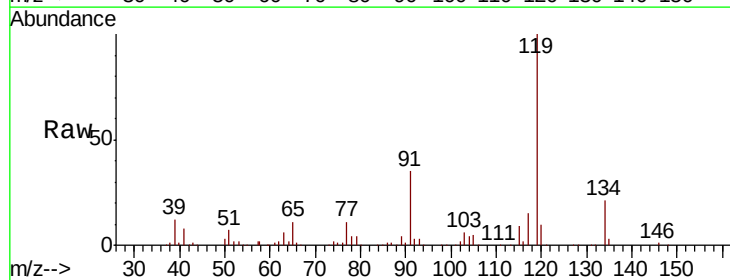
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

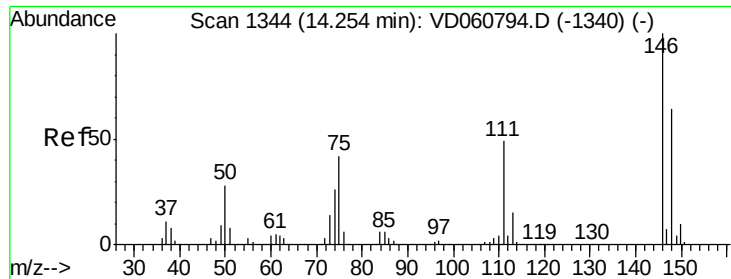
Tgt Ion:105 Resp: 520505
 Ion Ratio Lower Upper
 105 100
 134 17.1 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 19.241 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion:119 Resp: 434410
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.8 32.3
 91 35.3 16.7 50.0

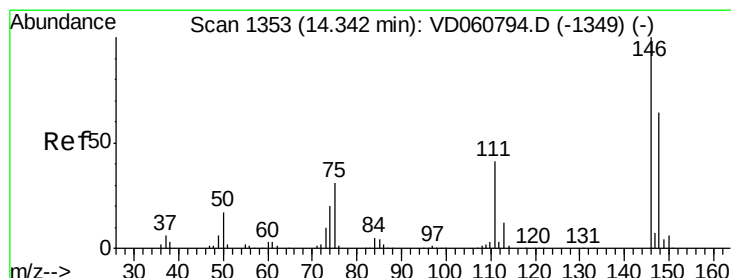
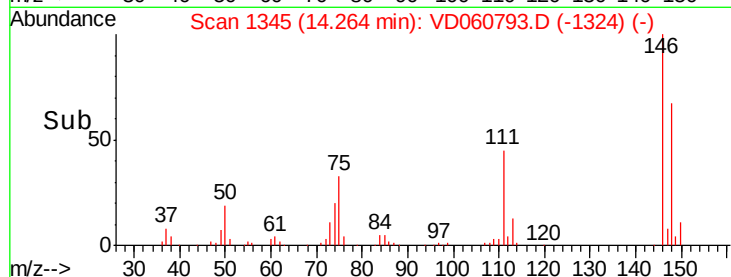
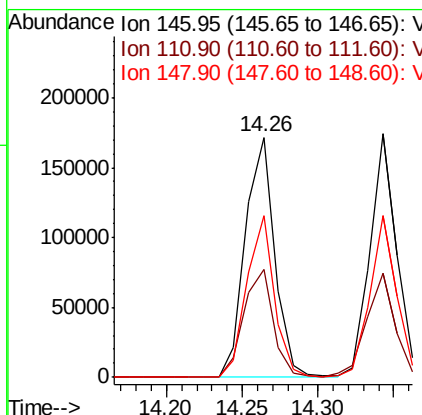
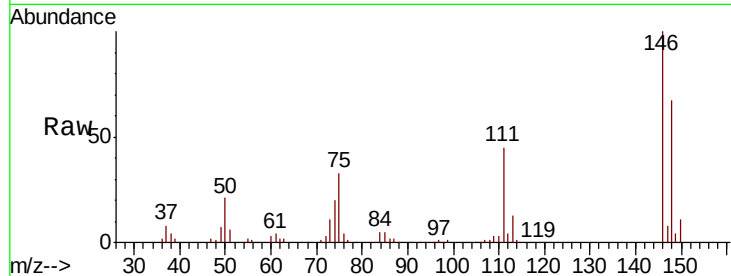




#87
 1,3-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 14.26 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

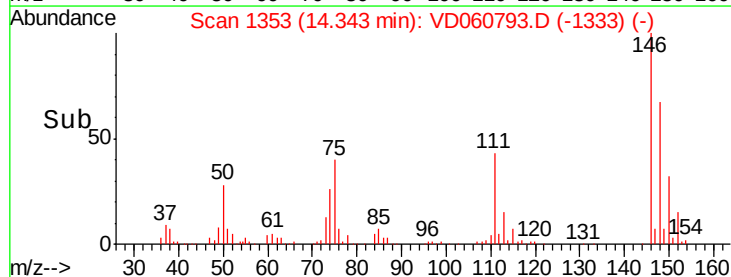
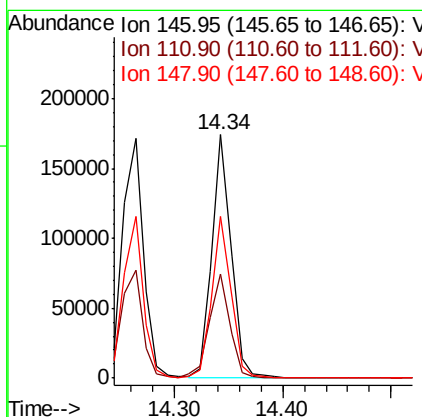
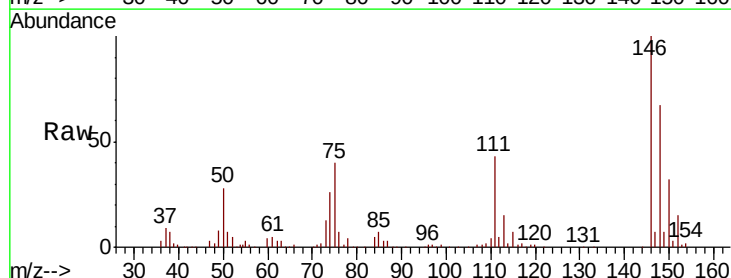
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

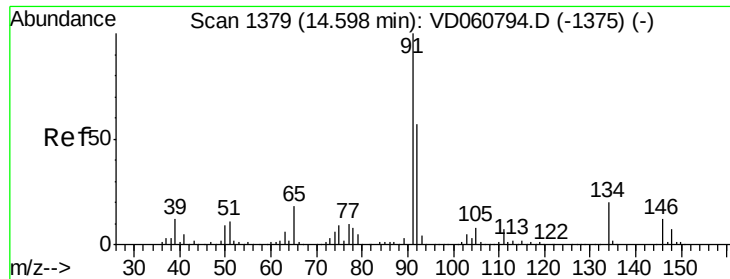
Tgt Ion:146 Resp: 232637
 Ion Ratio Lower Upper
 146 100
 111 44.7 24.3 73.0
 148 67.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 17.910 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion:146 Resp: 215859
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.6 61.8
 148 66.6 31.9 95.7





#89

n-Butylbenzene

Concen: 20.180 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD060793.D

Acq: 28 Jan 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

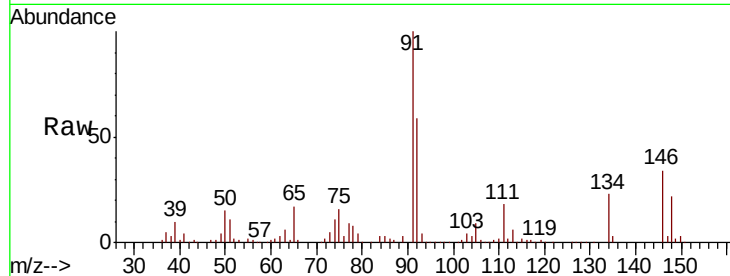
Tgt Ion: 91 Resp: 455279

Ion Ratio Lower Upper

91 100

92 58.7 28.5 85.5

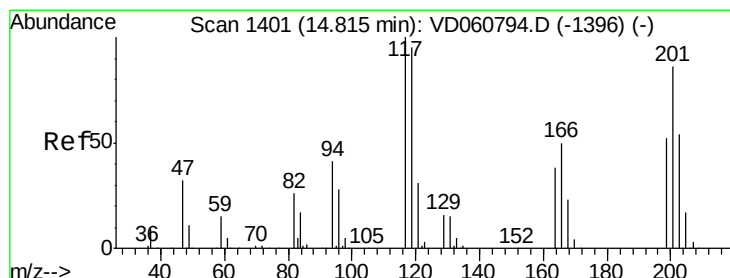
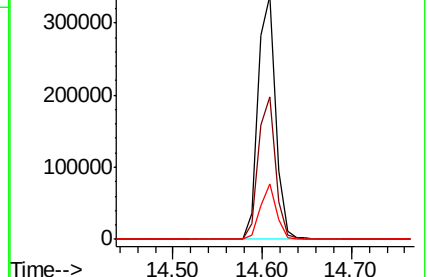
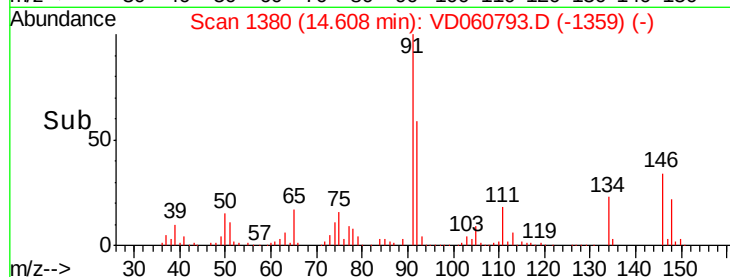
134 23.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.182 ug/l

RT: 14.82 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VD060793.D

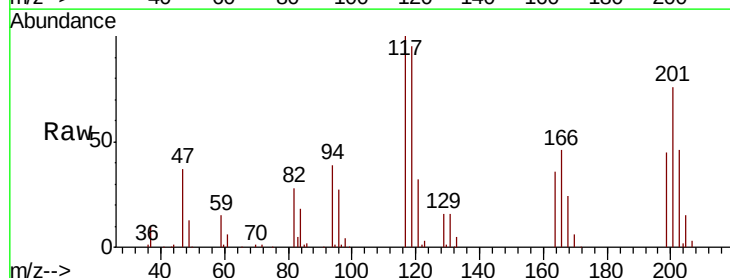
Acq: 28 Jan 2019 16:10

Tgt Ion: 117 Resp: 120163

Ion Ratio Lower Upper

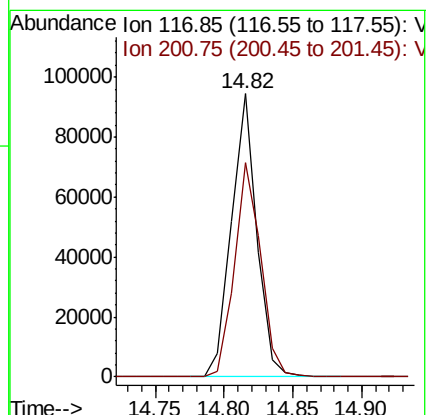
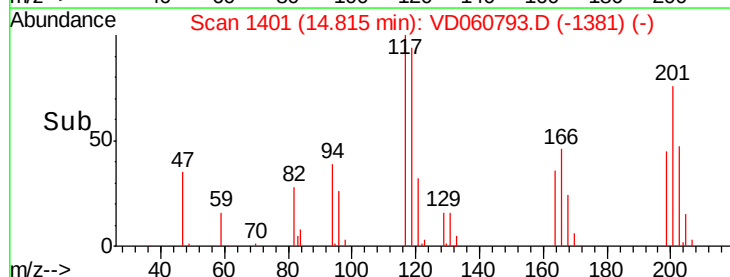
117 100

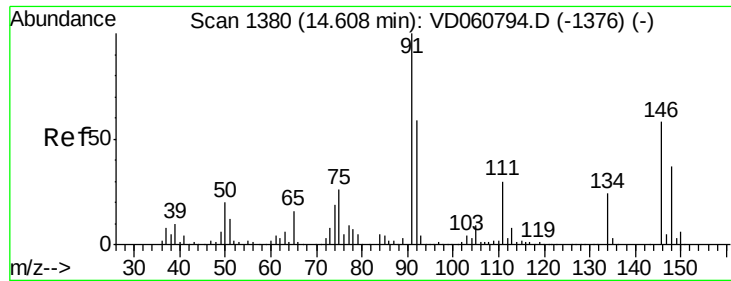
201 75.7 43.0 128.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

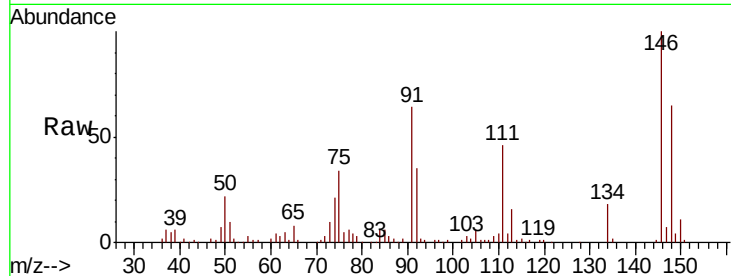




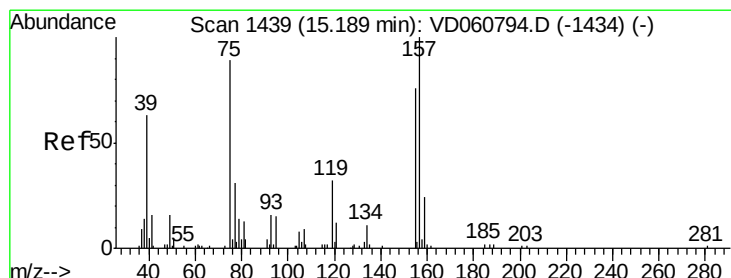
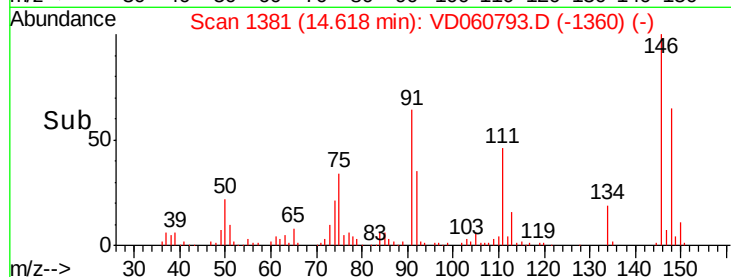
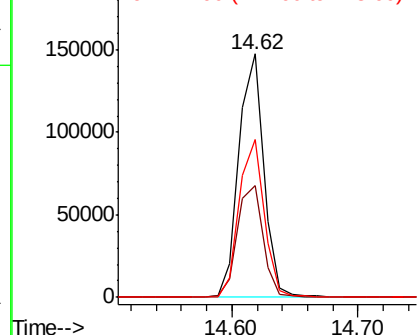
#91
 1,2-Dichlorobenzene
 Concen: 20.214 ug/l
 RT: 14.62 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 200830
 Ion Ratio Lower Upper
 146 100
 111 46.1 25.6 76.8
 148 65.0 31.4 94.3

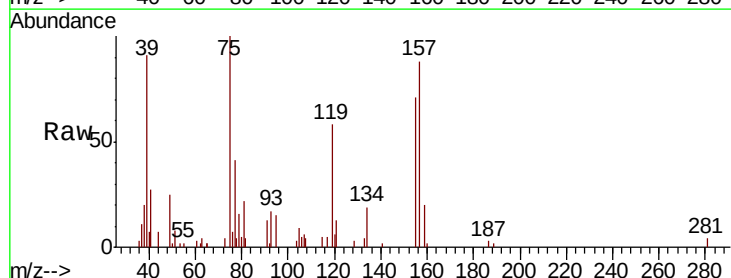


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

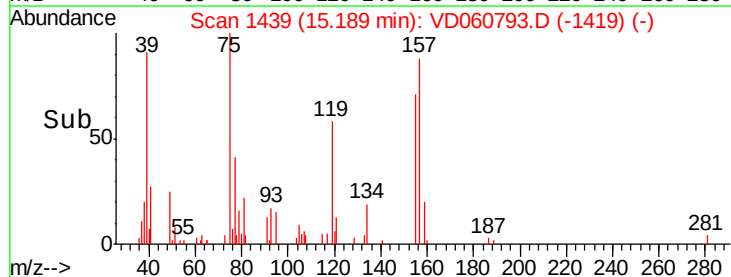
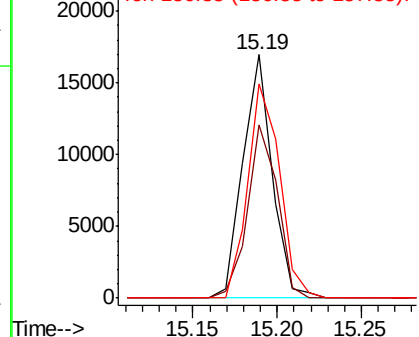


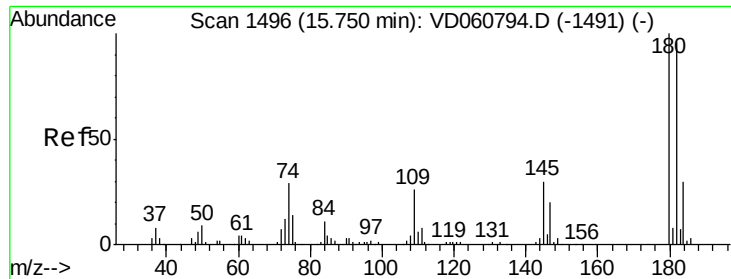
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.377 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion: 75 Resp: 20423
 Ion Ratio Lower Upper
 75 100
 155 71.2 43.0 129.0
 157 87.8 56.3 168.9



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

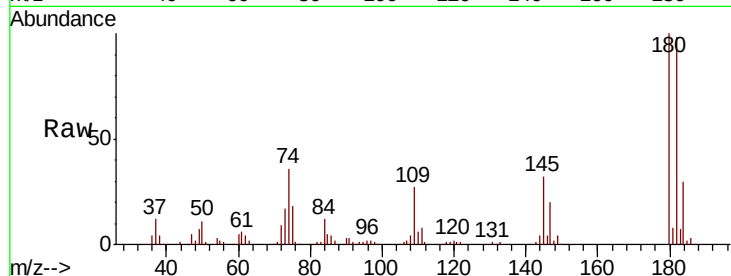




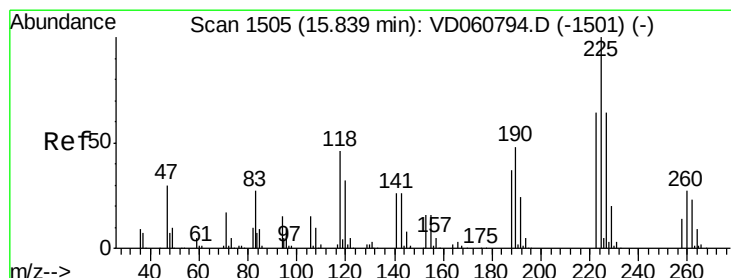
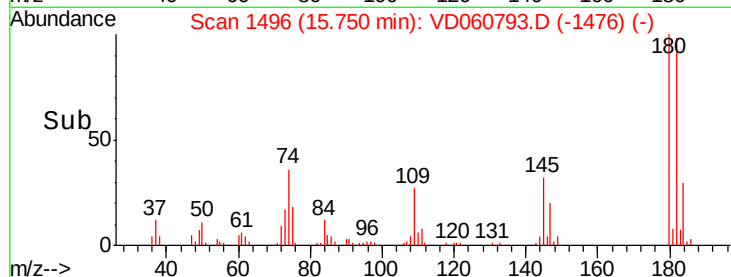
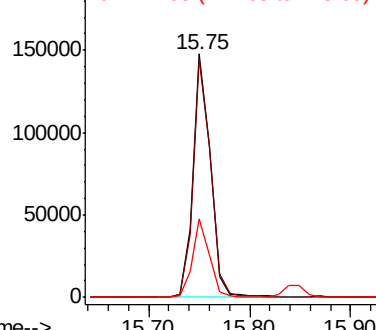
#93
 1,2,4-Trichlorobenzene
 Concen: 19.834 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 179471
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.9 143.7
 145 32.0 15.0 45.1

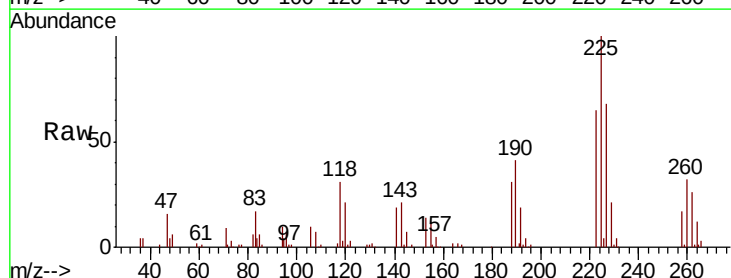


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

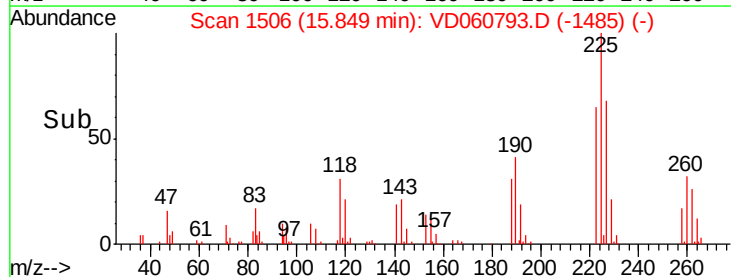
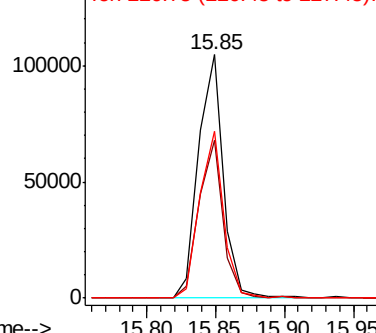


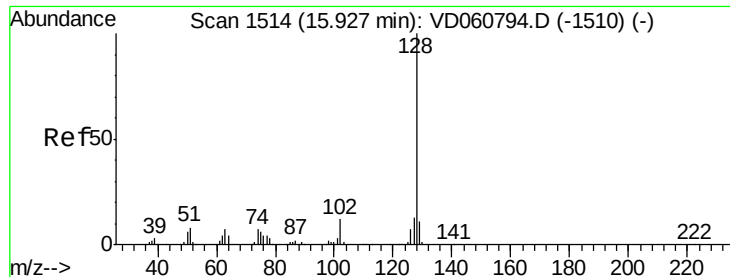
#94
 Hexachlorobutadiene
 Concen: 19.585 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VD060793.D
 Acq: 28 Jan 2019 16:10

Tgt Ion:225 Resp: 130877
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.8 95.4
 227 68.3 31.9 95.5



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

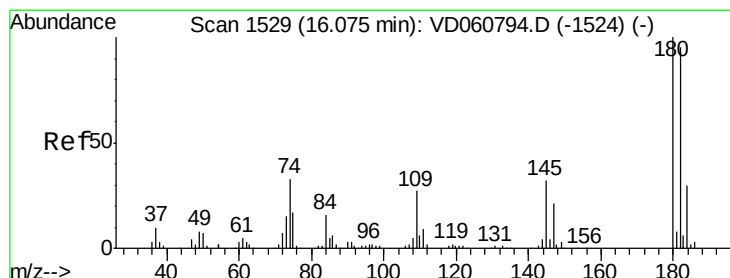
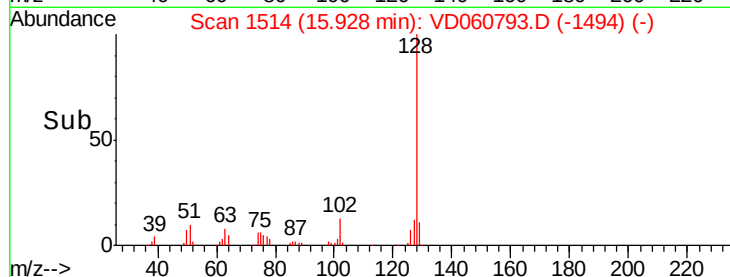
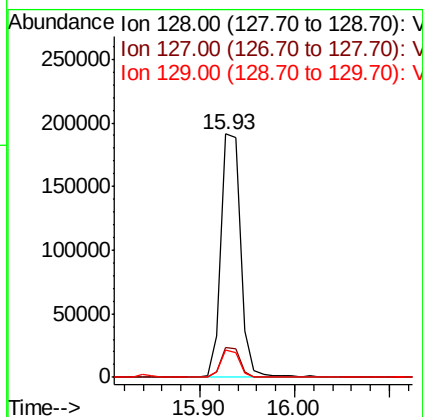
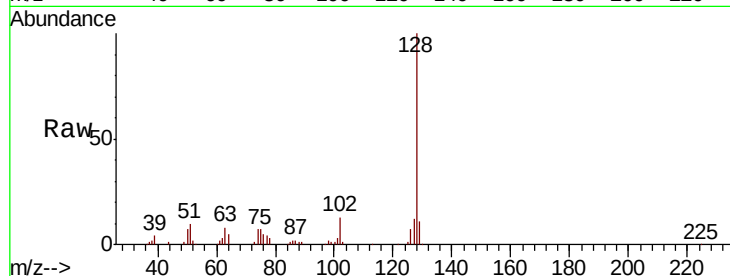




#95
Naphthalene
Concen: 19.779 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 274207
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.474 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060793.D
Acq: 28 Jan 2019 16:10

Tgt Ion:180 Resp: 149786
Ion Ratio Lower Upper
180 100
182 96.2 47.4 142.3
145 36.0 15.8 47.4

