

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060796.D
 Acq On : 28 Jan 2019 17:35
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 29 04:35:10 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	6.80	168	637137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	865179	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	684219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	340033	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	910017	107.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.78%	
35) Dibromofluoromethane	6.68	113	794195	102.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.44%	
50) Toluene-d8	10.19	98	1747103	92.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.98%	
62) 4-Bromofluorobenzene	13.35	95	908384	99.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	805457	106.379	ug/l	99
3) Chloromethane	1.76	50	448831	99.986	ug/l	94
4) Vinyl Chloride	1.84	62	500964	108.411	ug/l	94
5) Bromomethane	2.13	94	137971	105.658	ug/l	96
6) Chloroethane	2.24	64	146685	102.041	ug/l #	86
7) Trichlorofluoromethane	2.48	101	890138	101.417	ug/l	99
8) Diethyl Ether	2.80	74	137645	109.574	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.06	101	454352	103.352	ug/l	95
10) Methyl Iodide	3.21	142	536483	110.247	ug/l	96
11) Tert butyl alcohol	3.93	59	222837	485.178	ug/l #	92
12) 1,1-Dichloroethene	3.04	96	313224	100.017	ug/l	95
13) Acrolein	2.96	56	74411	451.465	ug/l	95
14) Allyl chloride	3.50	41	739421	105.532	ug/l	98
15) Acrylonitrile	4.04	53	468906	414.918	ug/l	98
16) Acetone	3.13	43	643764	506.544	ug/l	100
17) Carbon Disulfide	3.28	76	1104872	102.759	ug/l	99
18) Methyl Acetate	3.52	43	267005	104.253	ug/l	96
19) Methyl tert-butyl Ether	4.08	73	1454316	96.667	ug/l	98
20) Methylene Chloride	3.68	84	576342	97.300	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	528376	87.183	ug/l	98
22) Diisopropyl ether	4.90	45	1871805	92.370	ug/l	89
23) Vinyl Acetate	4.83	43	5548974	486.053	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1302367	101.496	ug/l	99
25) 2-Butanone	5.84	43	880843	486.347	ug/l	99
26) 2,2-Dichloropropane	5.78	77	1250801	99.717	ug/l	97
27) cis-1,2-Dichloroethene	5.80	96	607420	93.464	ug/l	93
28) Bromochloromethane	6.20	49	480975	98.523	ug/l	94
29) Tetrahydrofuran	6.23	42	414041	464.054	ug/l	96
30) Chloroform	6.42	83	1509166	103.532	ug/l	97
31) Cyclohexane	6.72	56	854908	92.095	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	1418627	103.519	ug/l	97
36) 1,1-Dichloropropene	6.90	75	954956	91.143	ug/l	97
37) Ethyl Acetate	5.94	43	459265	98.454	ug/l	96
38) Carbon Tetrachloride	6.87	117	1336101	106.609	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060796.D
 Acq On : 28 Jan 2019 17:35
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 29 04:35:10 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)
39) Methylcyclohexane	8.63	83	847380	91.425	ug/l	98
40) Benzene	7.21	78	2022691	93.902	ug/l	100
41) Methacrylonitrile	6.22	41	558509	186.924	ug/l	95
42) 1,2-Dichloroethane	7.34	62	1188787	106.670	ug/l	100
43) Isopropyl Acetate	9.00	43	636452	98.702	ug/l #	96
44) Trichloroethene	8.30	130	689991	96.025	ug/l	99
45) 1,2-Dichloropropane	8.71	63	542444	96.303	ug/l	100
46) Dibromomethane	8.82	93	435184	100.392	ug/l	96
47) Bromodichloromethane	9.14	83	1158620	103.918	ug/l	98
48) Methyl methacrylate	8.89	41	422712	97.342	ug/l	96
49) 1,4-Dioxane	8.85	88	71907	1962.213	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	1897406	459.565	ug/l	100
52) Toluene	10.29	92	1156264	88.140	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	1024656	102.156	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	1036792	100.139	ug/l	99
55) 1,1,2-Trichloroethane	10.97	97	420296	90.831	ug/l	98
56) Ethyl methacrylate	10.82	69	524390	94.548	ug/l	96
57) 1,3-Dichloropropane	11.19	76	758344	99.945	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.63	63	1322184	473.411	ug/l	98
59) 2-Hexanone	11.32	43	1414220	452.730	ug/l	97
60) Dibromochloromethane	11.47	129	800754	104.315	ug/l	97
61) 1,2-Dibromoethane	11.59	107	527259	97.737	ug/l	98
64) Tetrachloroethene	11.04	164	593989	92.179	ug/l	99
65) Chlorobenzene	12.19	112	1401050	92.038	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.31	131	592299	91.294	ug/l	99
67) Ethyl Benzene	12.32	91	2359023	86.605	ug/l	98
68) m/p-Xylenes	12.47	106	1556776	169.187	ug/l	97
69) o-Xylene	12.85	106	796087	91.584	ug/l	99
70) Styrene	12.87	104	1338614	105.004	ug/l	98
71) Bromoform	13.03	173	508812	101.656	ug/l #	98
73) Isopropylbenzene	13.20	105	2450065	92.927	ug/l	99
74) N-amyl acetate	13.07	43	863108	101.371	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.50	83	489037	98.000	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	636773	107.516	ug/l	99
77) Bromobenzene	13.47	156	683832	100.117	ug/l	98
78) n-propylbenzene	13.58	91	3187671	97.361	ug/l	98
79) 2-Chlorotoluene	13.64	91	1929676	99.601	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	2140235	96.686	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	164814	101.803	ug/l	93
82) 4-Chlorotoluene	13.75	91	2104553	90.894	ug/l	91
83) tert-Butylbenzene	13.99	119	2197159	92.905	ug/l	96
84) 1,2,4-Trimethylbenzene	14.04	105	2140235	96.686	ug/l	99
85) sec-Butylbenzene	14.17	105	2561538	95.714	ug/l	99
86) p-Isopropyltoluene	14.30	119	2103266	92.148	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	1137052	93.889	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	1142399	93.756	ug/l	96
89) n-Butylbenzene	14.60	91	2015726	88.374	ug/l	99
90) Hexachloroethane	14.81	117	646974	102.158	ug/l	80
91) 1,2-Dichlorobenzene	14.61	146	885923	102.934	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.18	75	136462	121.456	ug/l	72

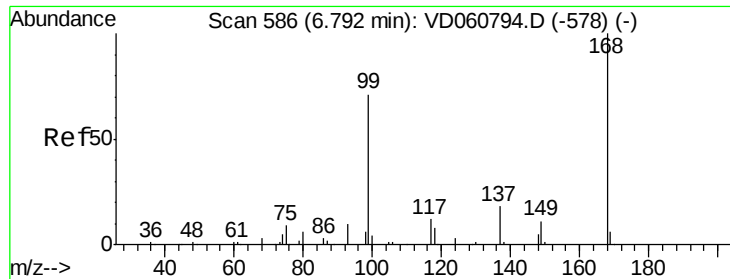
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
Data File : VD060796.D
Acq On : 28 Jan 2019 17:35
Operator : JC/SY
Sample : VSTDICC100
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Quant Time: Jan 29 04:35:10 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)
93) 1,2,4-Trichlorobenzene	15.74	180	869153	95.009	ug/l	96
94) Hexachlorobutadiene	15.84	225	571753	84.631	ug/l	98
95) Naphthalene	15.93	128	1300806	92.813	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	714015	91.823	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

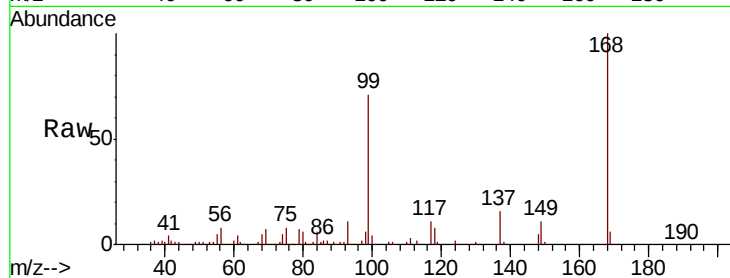
VSTDIC100

Tgt Ion:168 Resp: 637137

Ion Ratio Lower Upper

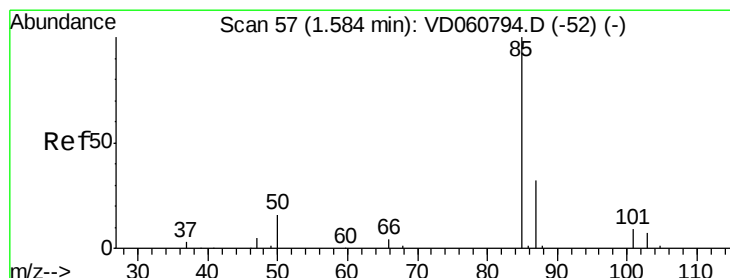
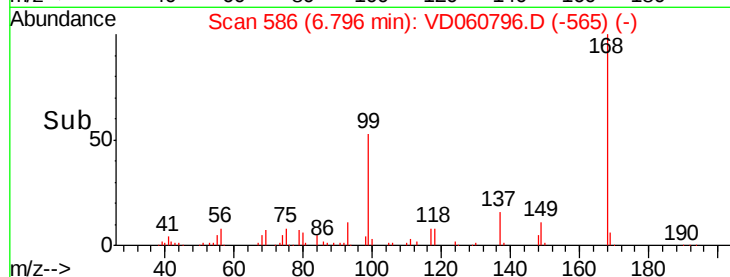
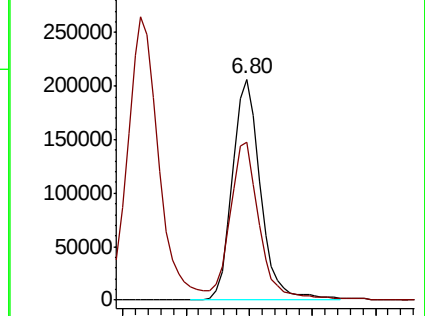
168 100

99 71.3 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: 106.379 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060796.D

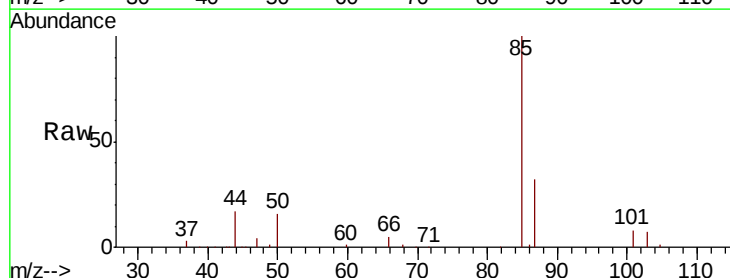
Acq: 28 Jan 2019 17:35

Tgt Ion: 85 Resp: 805457

Ion Ratio Lower Upper

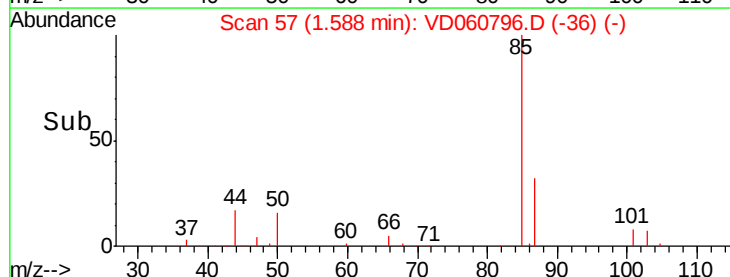
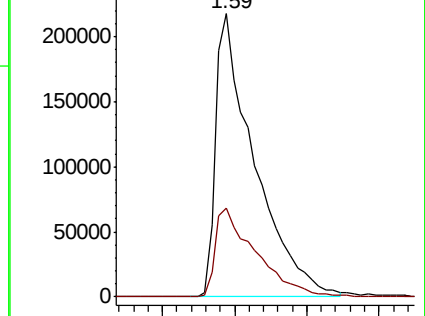
85 100

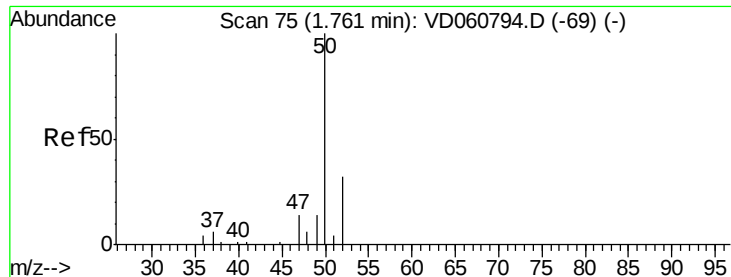
87 31.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.986 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

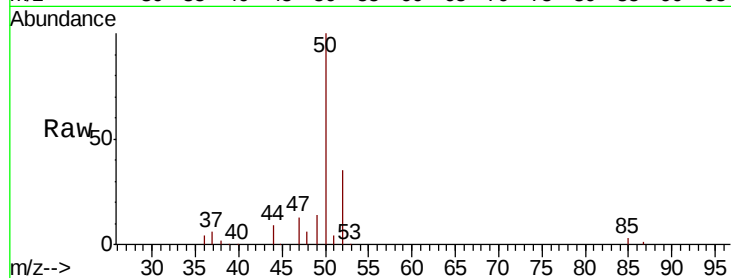
VSTDIC100

Tgt Ion: 50 Resp: 448831

Ion Ratio Lower Upper

50 100

52 34.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

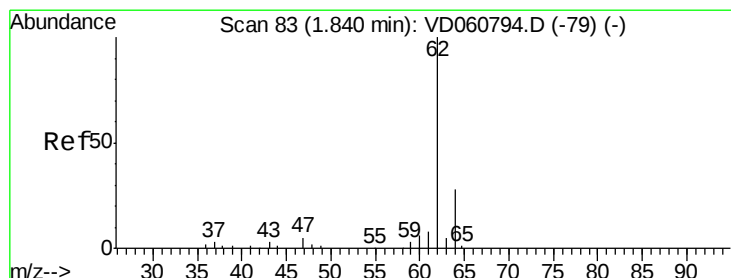
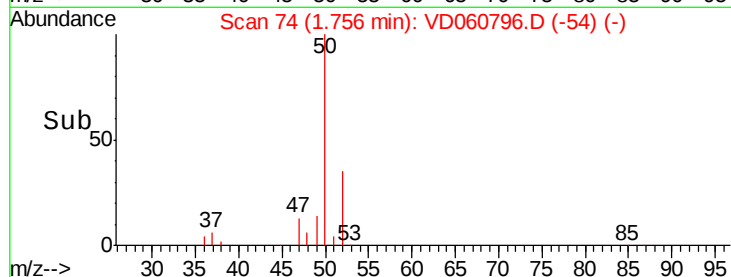
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 108.411 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060796.D

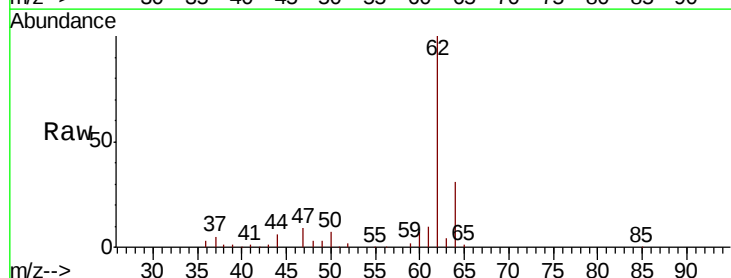
Acq: 28 Jan 2019 17:35

Tgt Ion: 62 Resp: 500964

Ion Ratio Lower Upper

62 100

64 30.5 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

200000

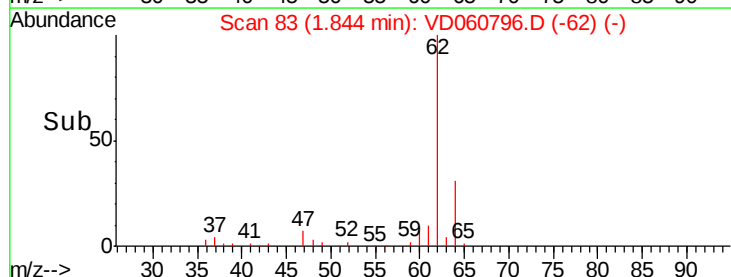
150000

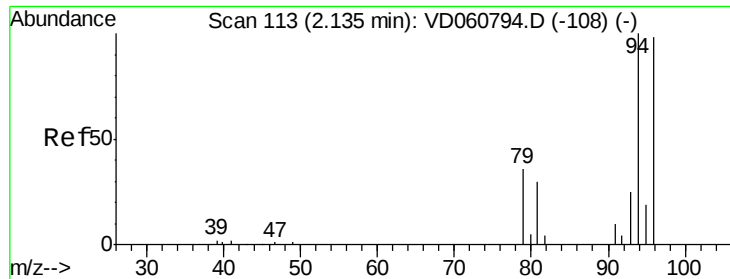
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 105.658 ug/l

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

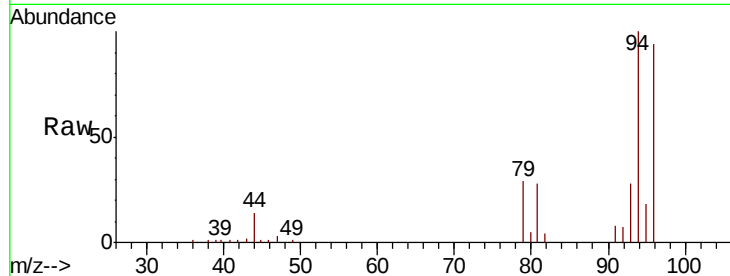
VSTDIC100

Tgt Ion: 94 Resp: 137971

Ion Ratio Lower Upper

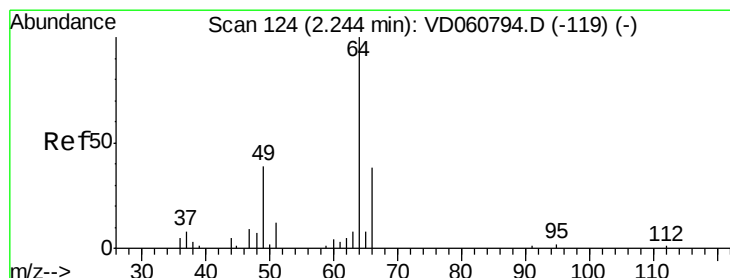
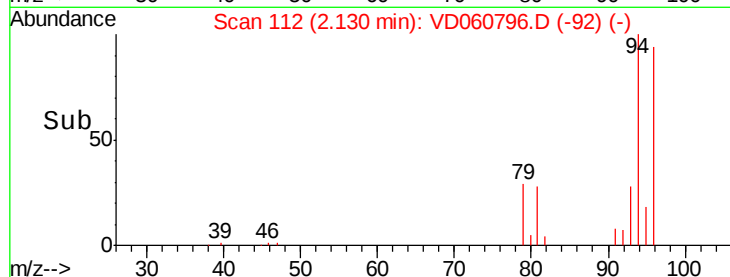
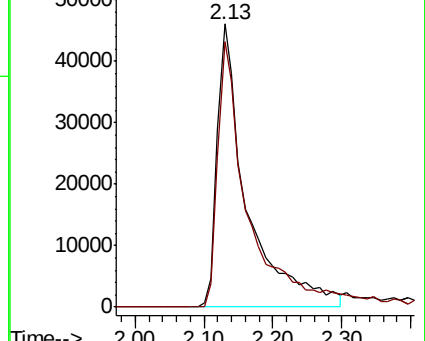
94 100

96 93.7 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: 102.041 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060796.D

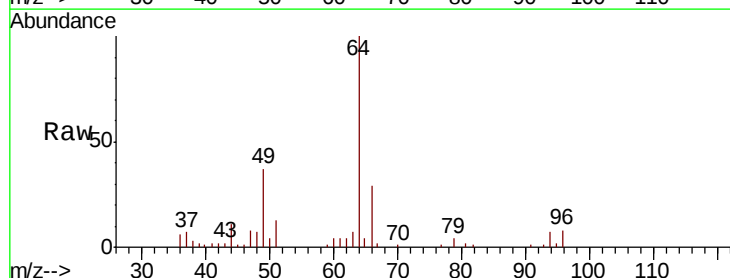
Acq: 28 Jan 2019 17:35

Tgt Ion: 64 Resp: 146685

Ion Ratio Lower Upper

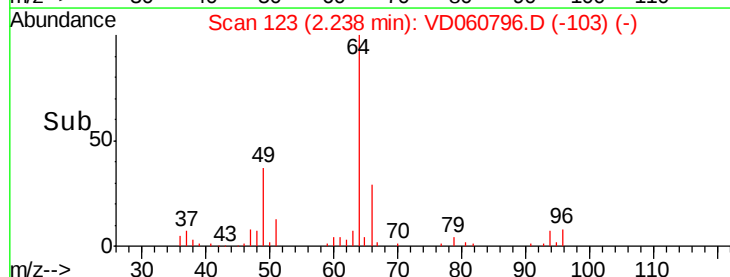
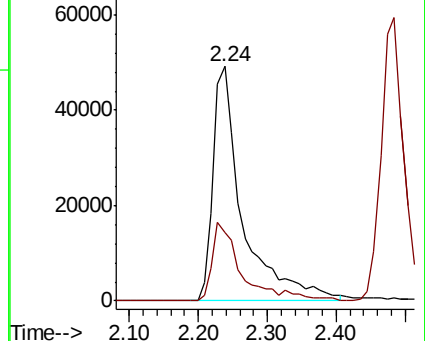
64 100

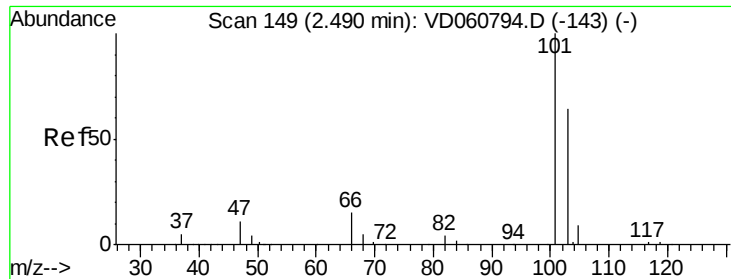
66 29.4 30.2 45.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



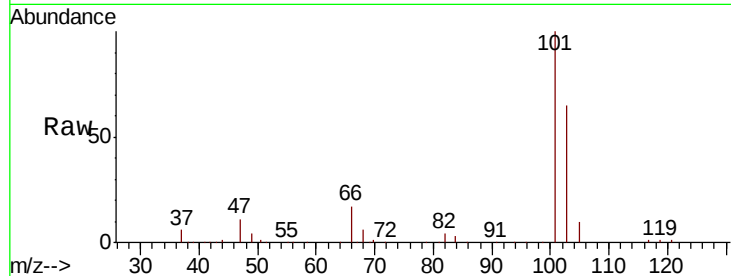


#7

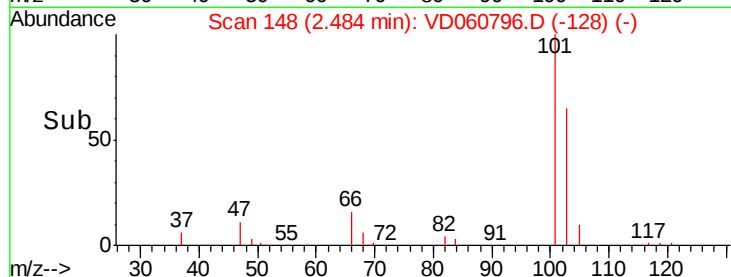
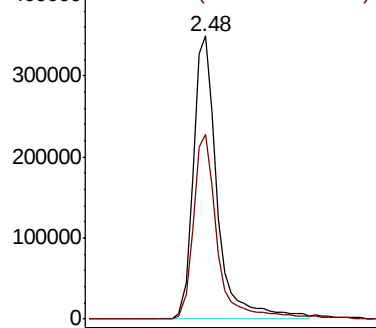
Trichlorofluoromethane
 Concen: 101.417 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

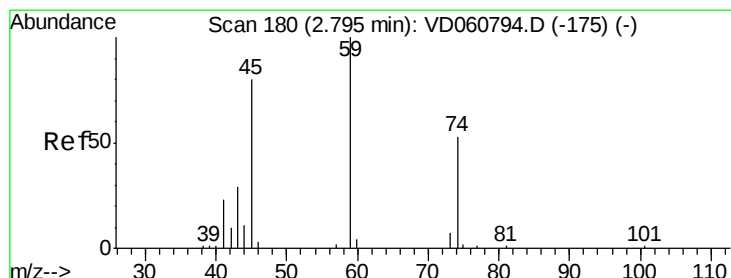
Tgt Ion: 101 Resp: 890138
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9



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



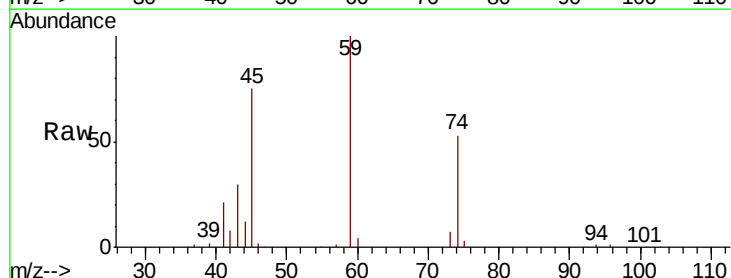
Time-->



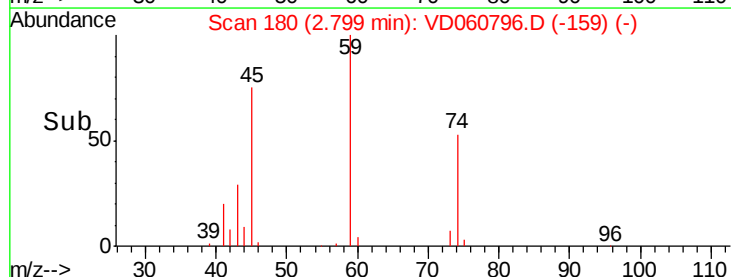
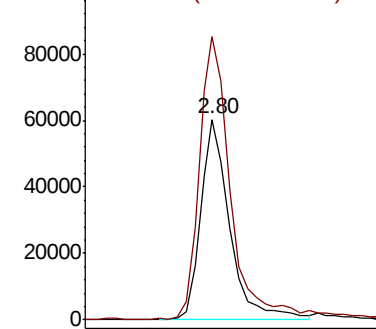
#8

Diethyl Ether
 Concen: 109.574 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

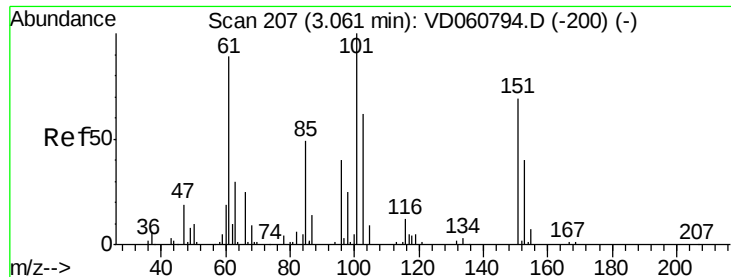
Tgt Ion: 74 Resp: 137645
 Ion Ratio Lower Upper
 74 100
 45 141.0 75.6 226.8



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



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.352 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

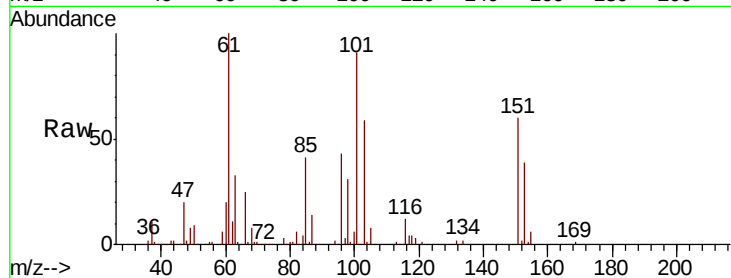
Tgt Ion:101 Resp: 454352

Ion Ratio Lower Upper

101 100

85 44.8 39.3 58.9

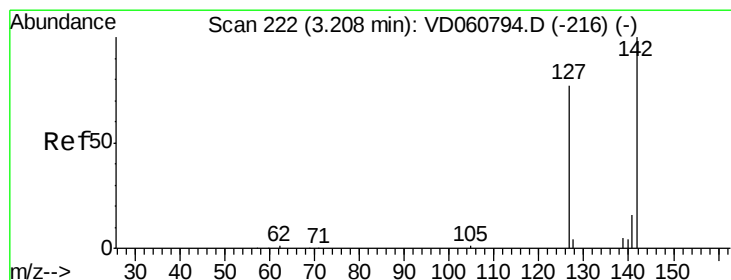
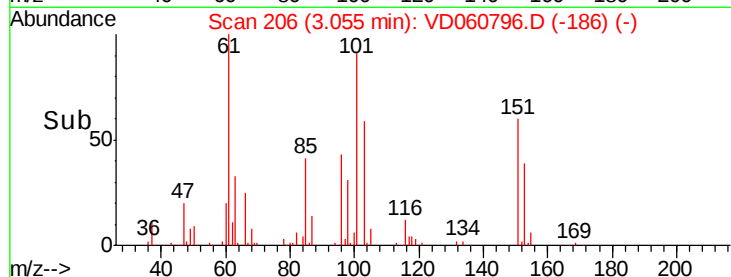
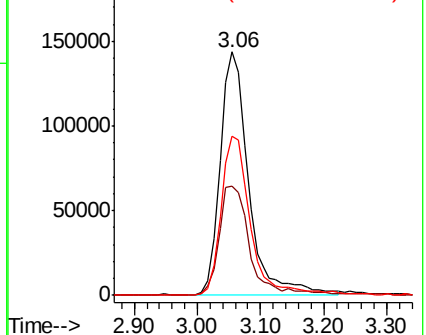
151 65.4 55.1 82.7



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: 110.247 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

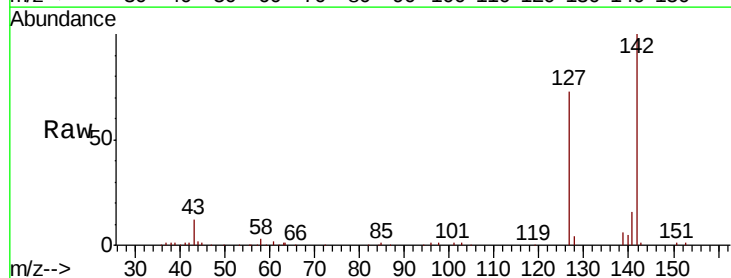
Tgt Ion:142 Resp: 536483

Ion Ratio Lower Upper

142 100

127 73.3 61.6 92.4

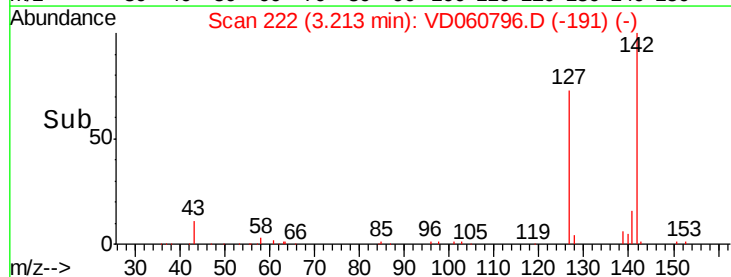
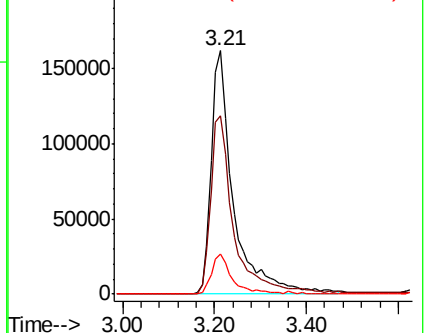
141 16.2 12.5 18.7

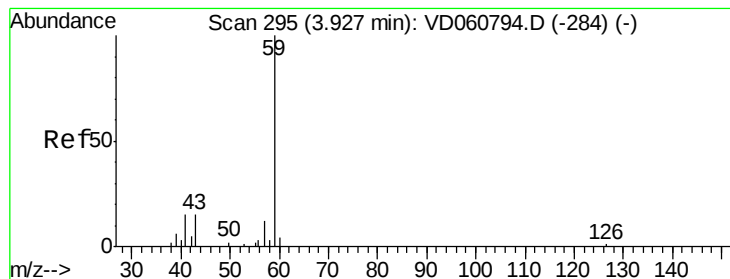


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



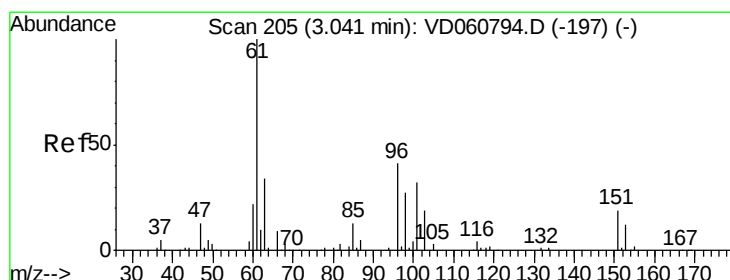
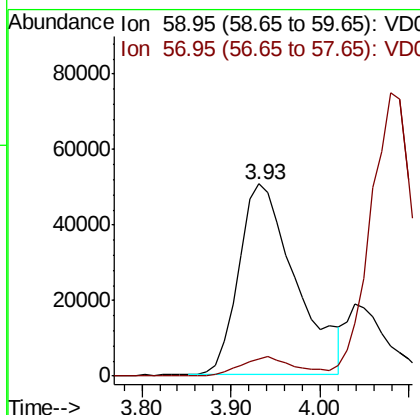
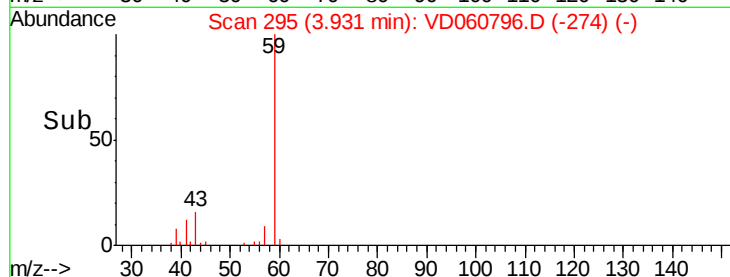
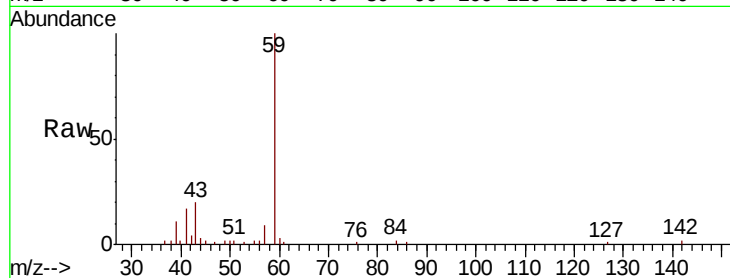


#11

Tert butyl alcohol
 Concen: 485.178 ug/l
 RT: 3.93 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

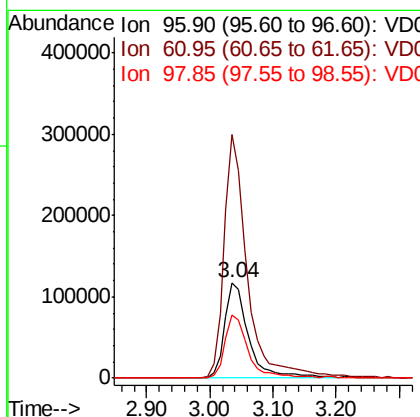
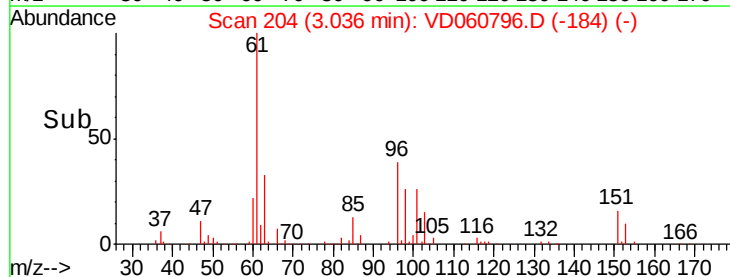
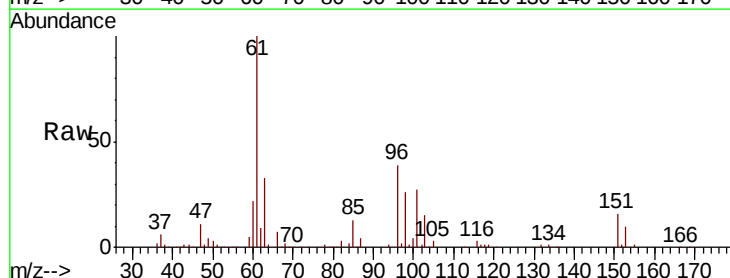
Tgt Ion: 59 Resp: 222837
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.8 14.6#

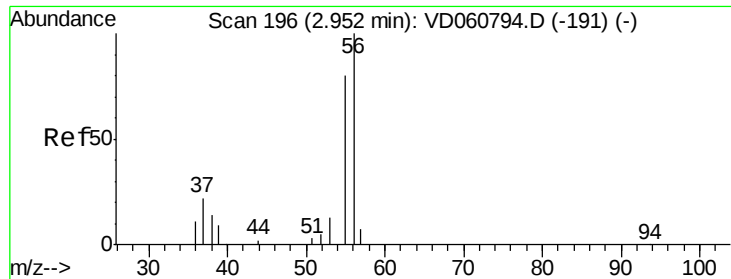


#12

1,1-Dichloroethene
 Concen: 100.017 ug/l
 RT: 3.04 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 96 Resp: 313224
 Ion Ratio Lower Upper
 96 100
 61 254.7 195.1 292.7
 98 66.6 52.5 78.7





#13

Acrolein

Concen: 451.465 ug/l

RT: 2.96 min Scan# 196

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

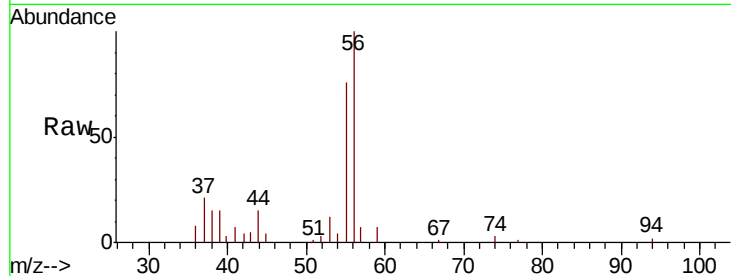
VSTDIC100

Tgt Ion: 56 Resp: 74411

Ion Ratio Lower Upper

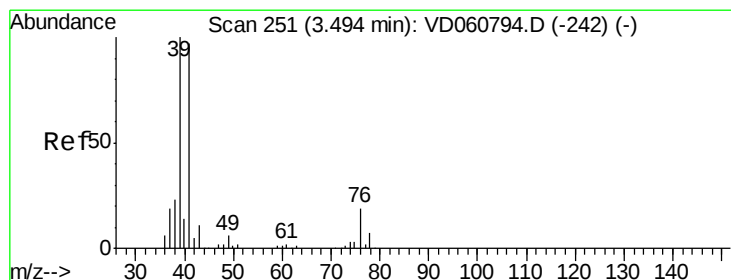
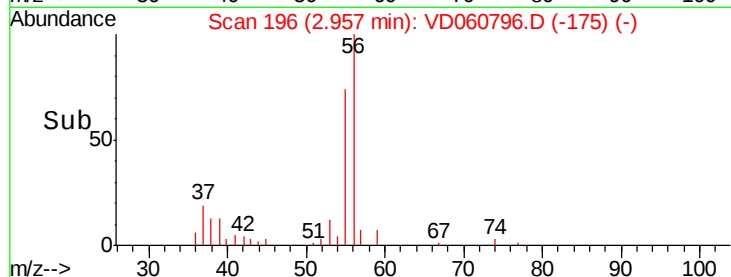
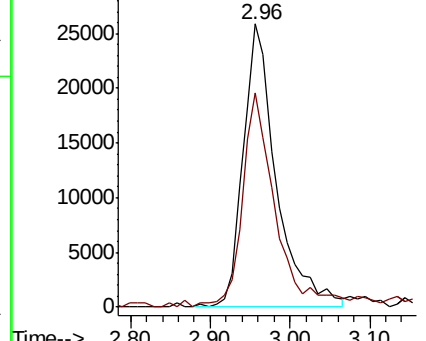
56 100

55 75.7 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 105.532 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

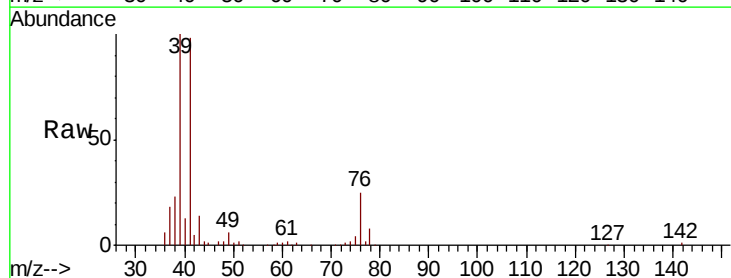
Tgt Ion: 41 Resp: 739421

Ion Ratio Lower Upper

41 100

39 102.1 82.6 123.8

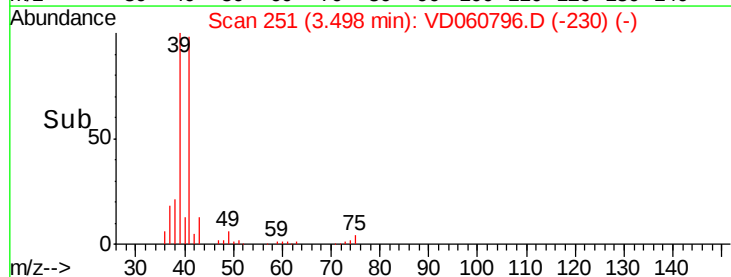
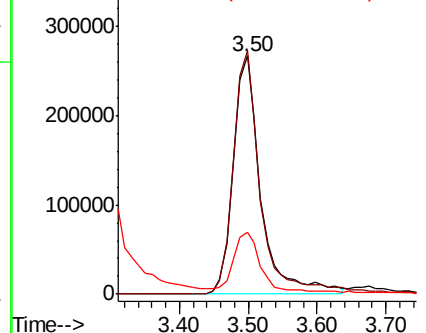
76 25.7 18.9 28.3

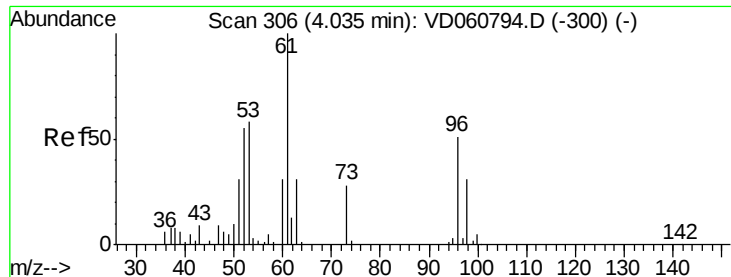


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 414.918 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

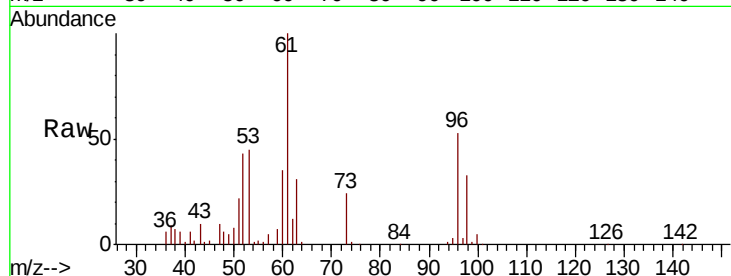
Tgt Ion: 53 Resp: 468906

Ion Ratio Lower Upper

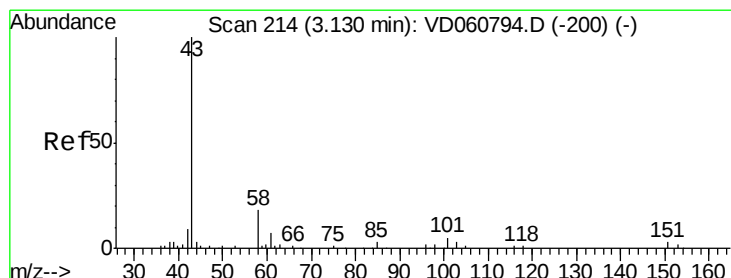
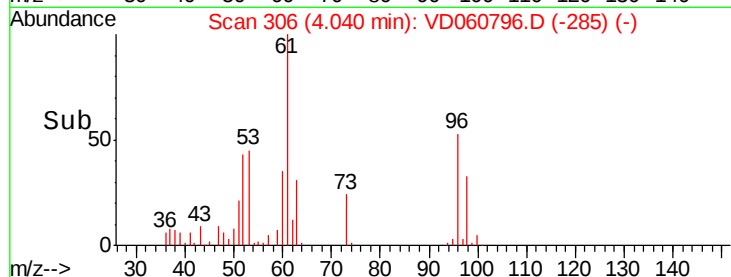
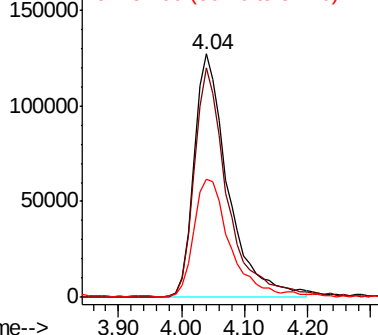
53 100

52 94.1 75.4 113.2

51 48.8 42.5 63.7



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



#16

Acetone

Concen: 506.544 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060796.D

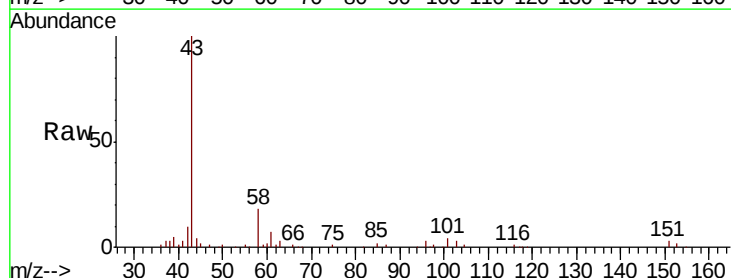
Acq: 28 Jan 2019 17:35

Tgt Ion: 43 Resp: 643764

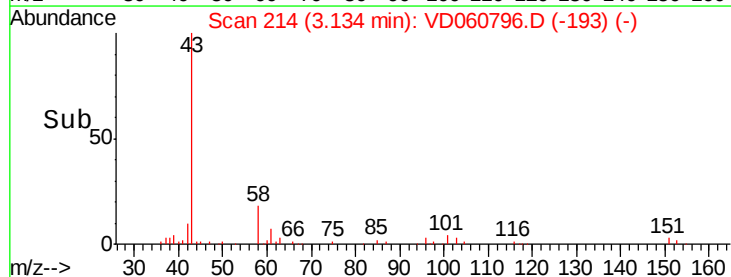
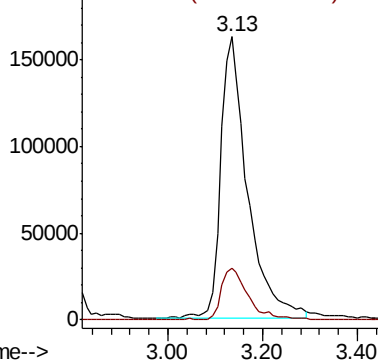
Ion Ratio Lower Upper

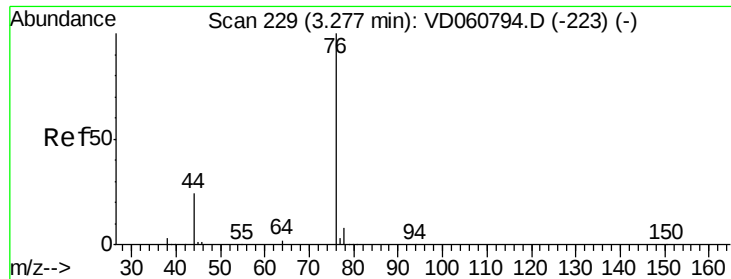
43 100

58 18.2 14.5 21.7



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

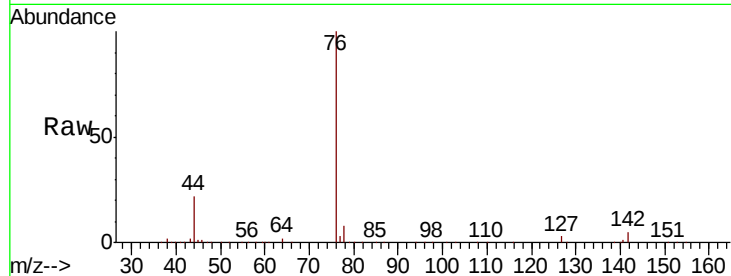




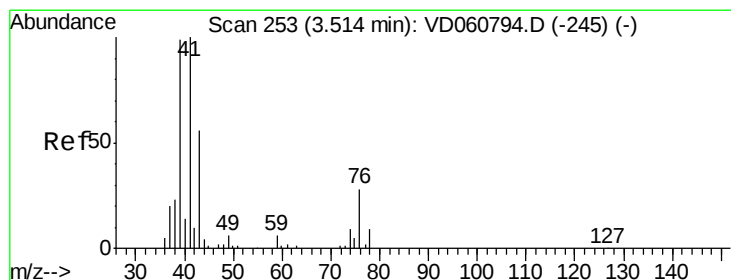
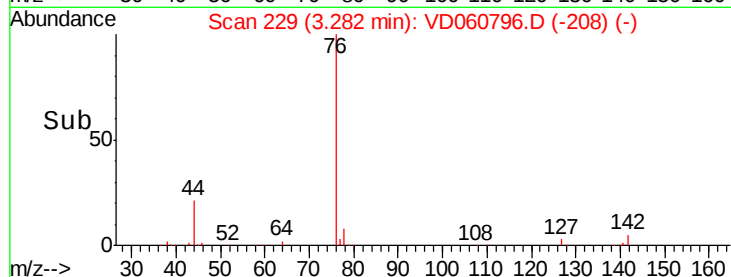
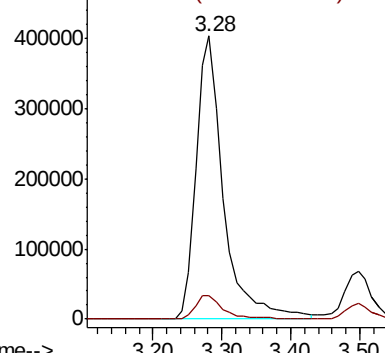
#17
Carbon Disulfide
Concen: 102.759 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 1104872
Ion Ratio Lower Upper
76 100
78 8.5 6.5 9.7

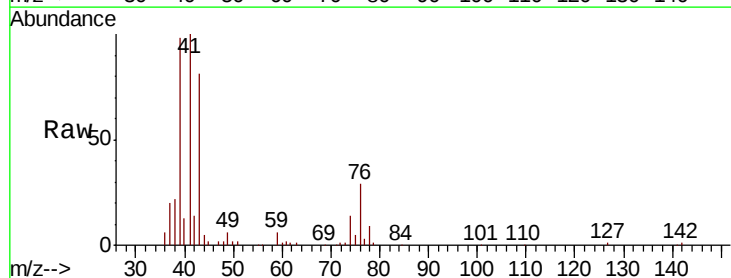


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

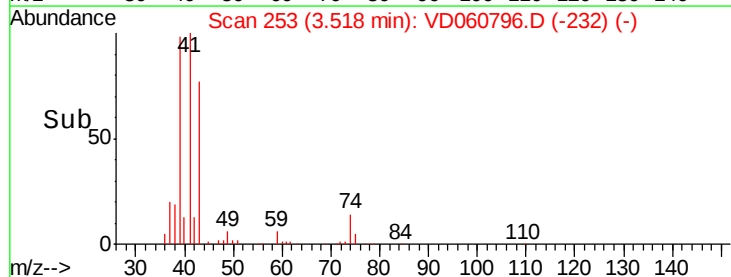
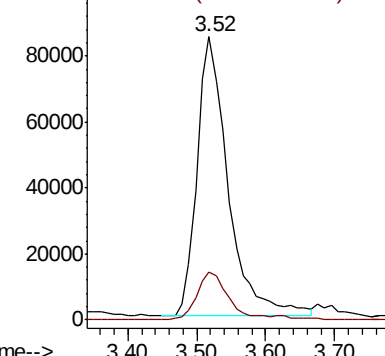


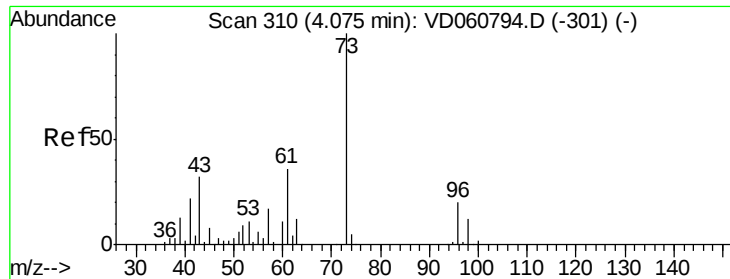
#18
Methyl Acetate
Concen: 104.253 ug/l
RT: 3.52 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 43 Resp: 267005
Ion Ratio Lower Upper
43 100
74 17.1 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

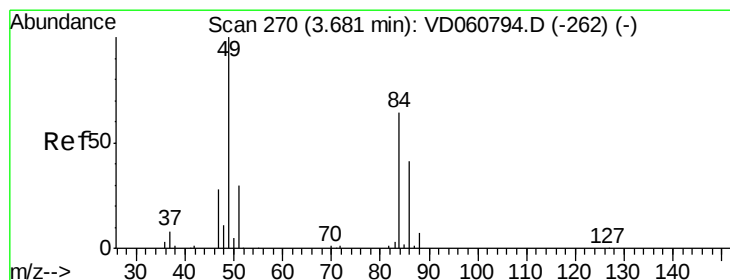
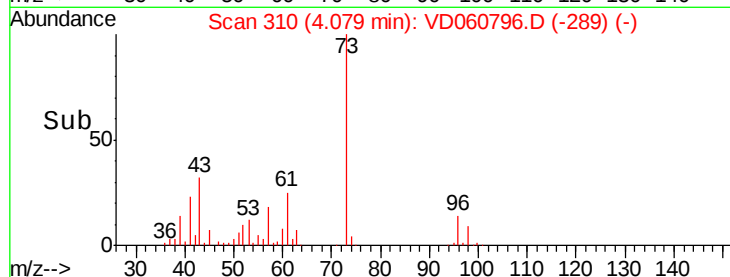
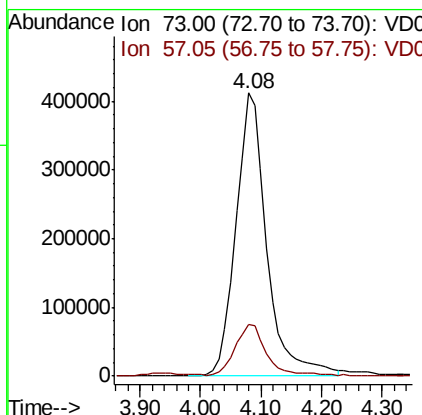
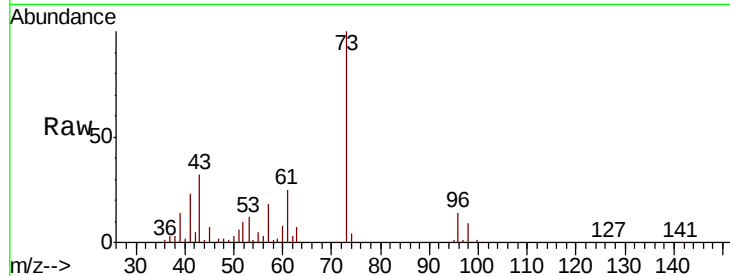




#19
Methyl tert-butyl Ether
Concen: 96.667 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

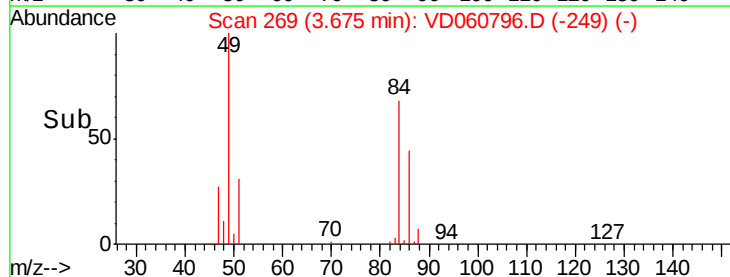
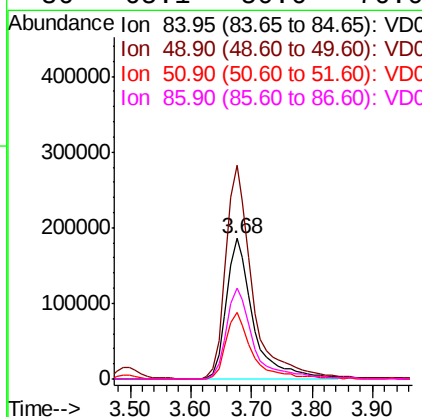
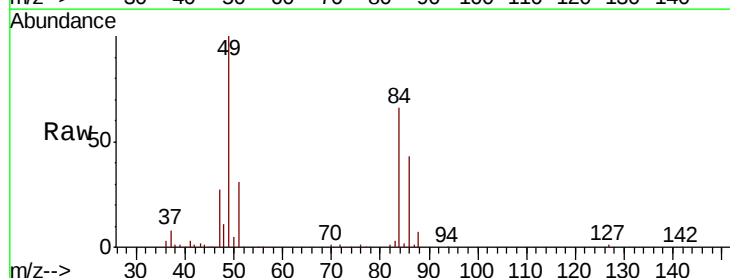
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

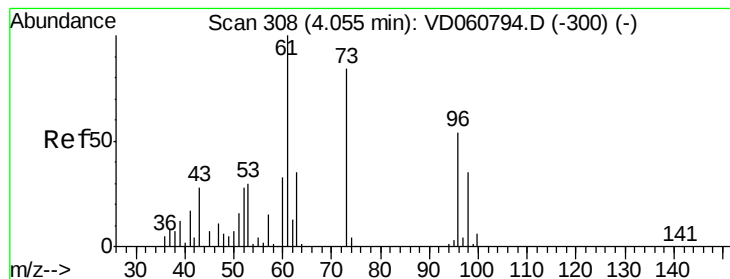
Tgt Ion: 73 Resp: 1454316
Ion Ratio Lower Upper
73 100
57 18.2 14.0 21.0



#20
Methylene Chloride
Concen: 97.300 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 84 Resp: 576342
Ion Ratio Lower Upper
84 100
49 152.1 124.2 186.2
51 47.7 38.1 57.1
86 65.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 87.183 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

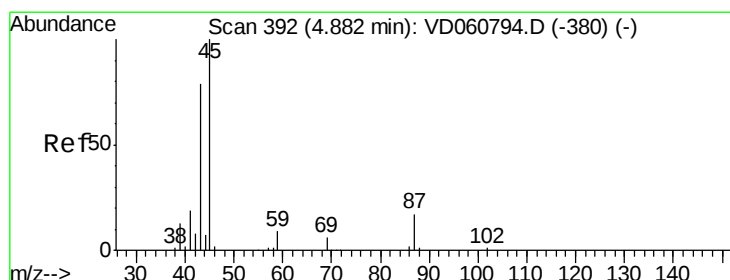
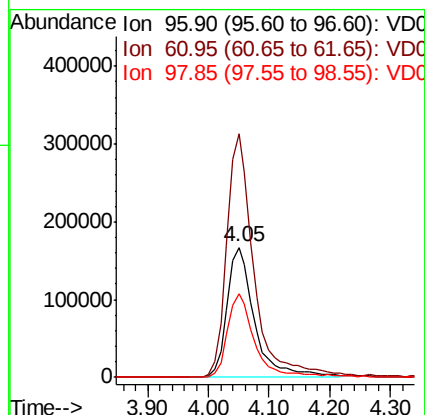
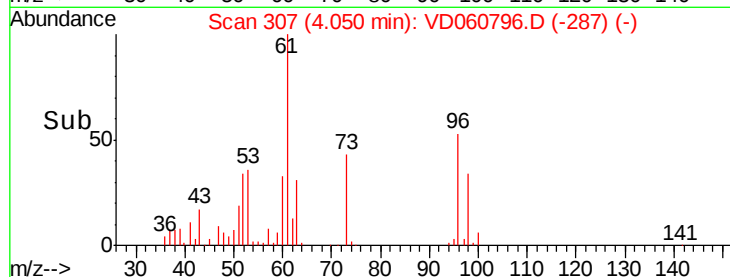
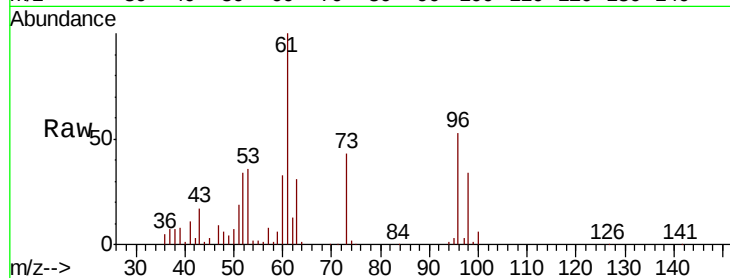
Tgt Ion: 96 Resp: 528376

Ion Ratio Lower Upper

96 100

61 187.0 147.4 221.2

98 64.1 51.5 77.3



#22

Diisopropyl ether

Concen: 92.370 ug/l

RT: 4.90 min Scan# 393

Delta R.T. 0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion: 45 Resp: 1871805

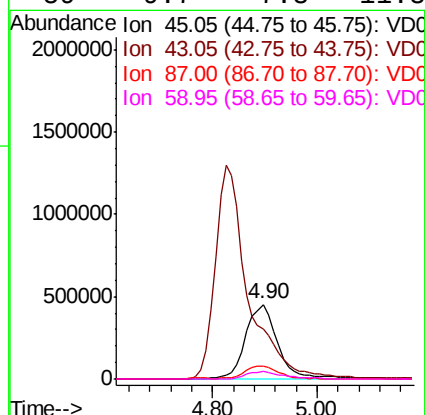
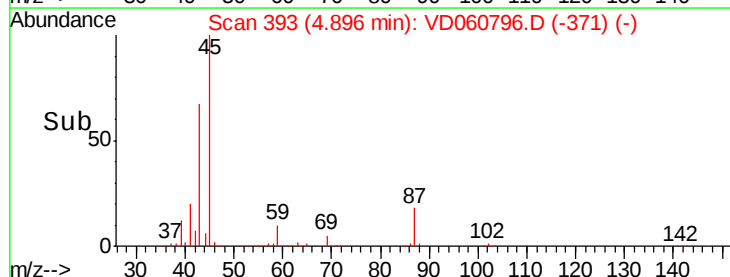
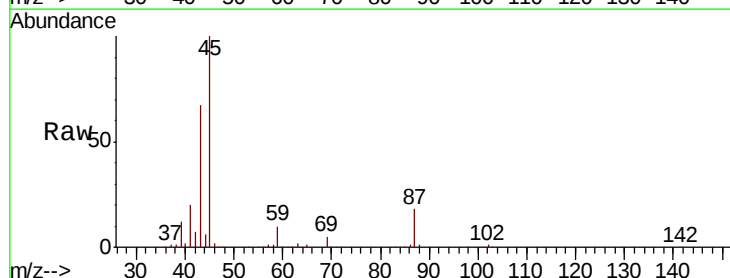
Ion Ratio Lower Upper

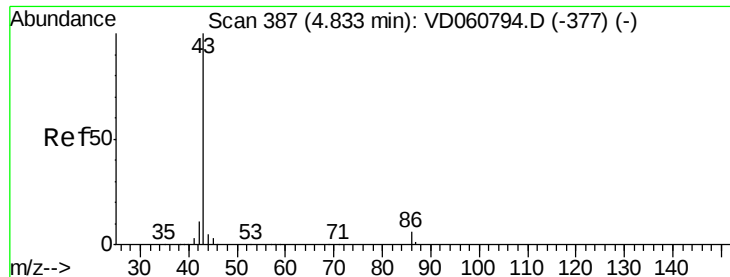
45 100

43 67.1 64.3 96.5

87 17.7 14.3 21.5

59 9.7 7.8 11.8





#23

Vinyl Acetate

Concen: 486.053 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

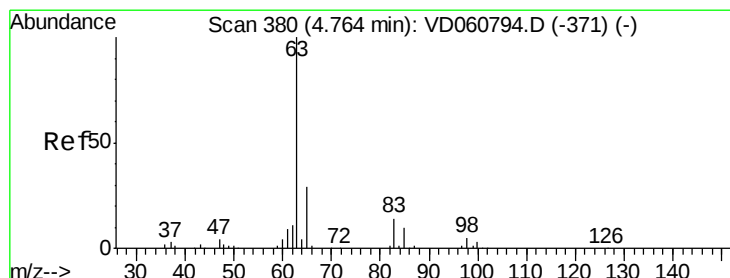
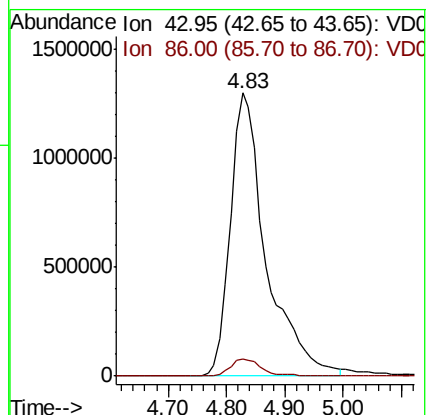
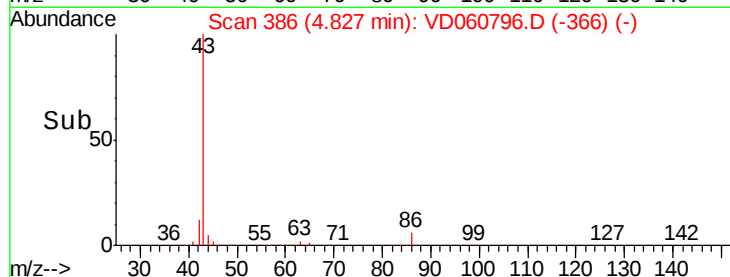
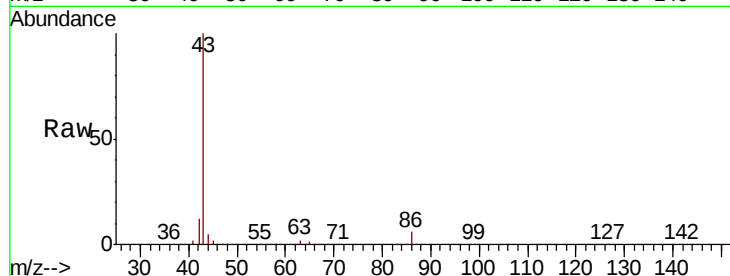
VSTDICC100

Tgt Ion: 43 Resp: 5548974

Ion Ratio Lower Upper

43 100

86 6.2 4.7 7.1



#24

1,1-Dichloroethane

Concen: 101.496 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

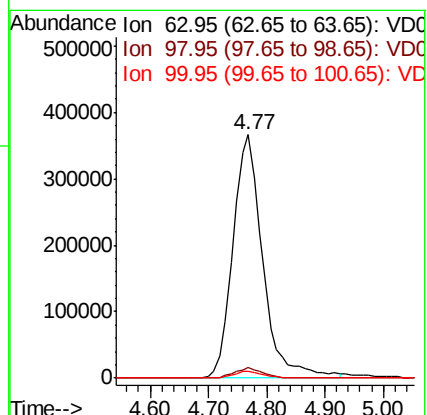
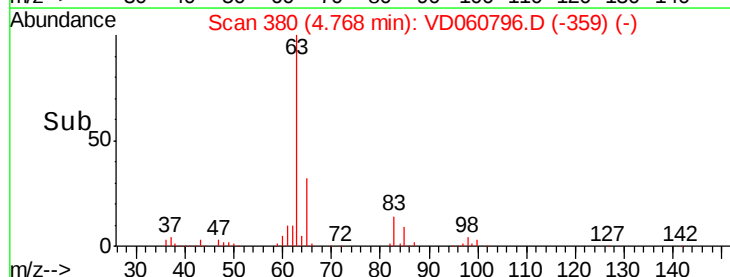
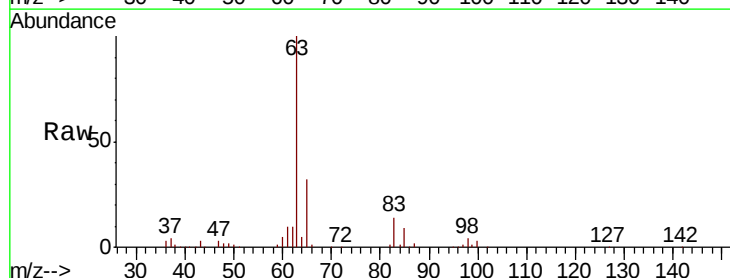
Tgt Ion: 63 Resp: 1302367

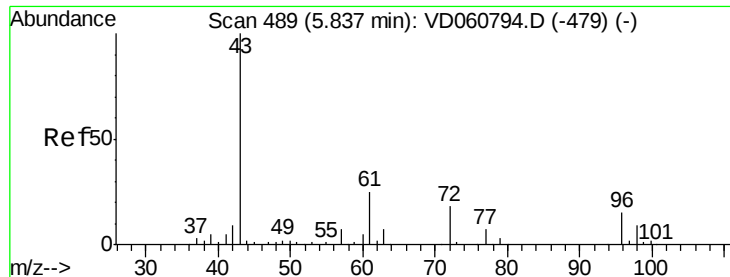
Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

100 3.0 1.3 3.8





#25

2-Butanone

Concen: 486.347 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

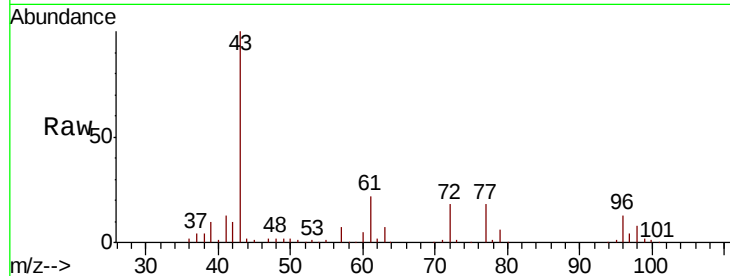
VSTDIC100

Tgt Ion: 43 Resp: 880843

Ion Ratio Lower Upper

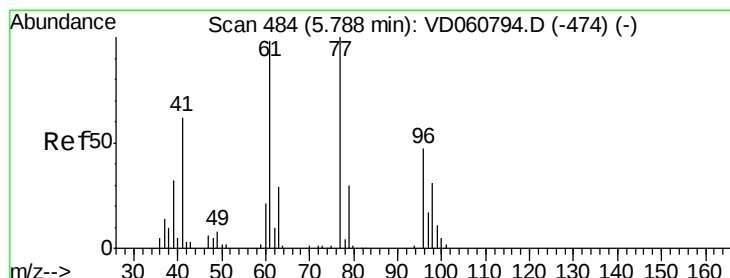
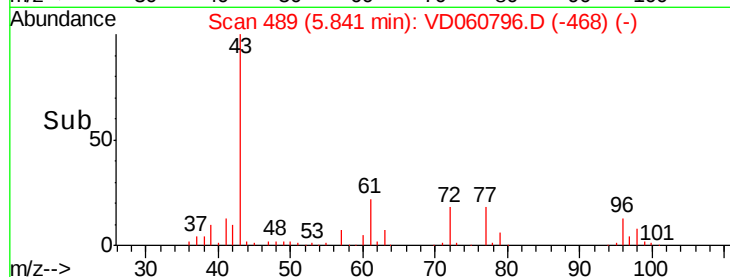
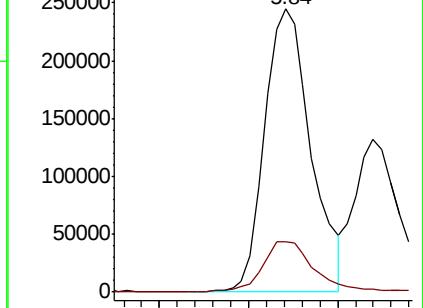
43 100

72 17.6 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: 99.717 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD060796.D

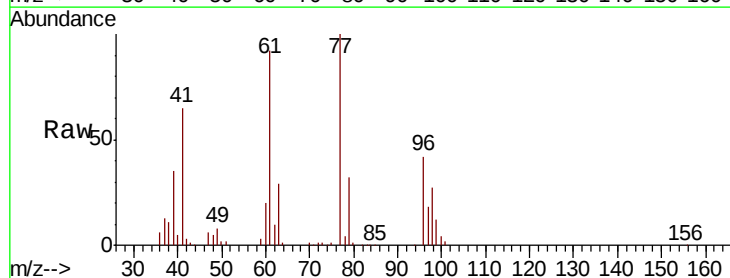
Acq: 28 Jan 2019 17:35

Tgt Ion: 77 Resp: 1250801

Ion Ratio Lower Upper

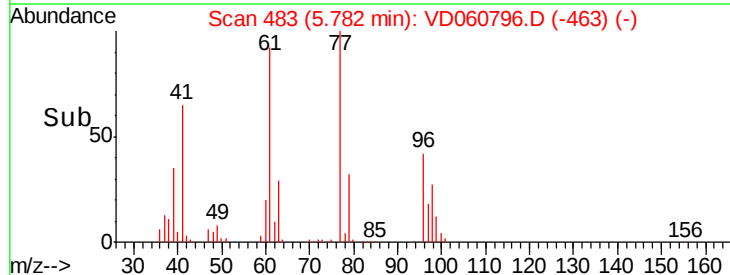
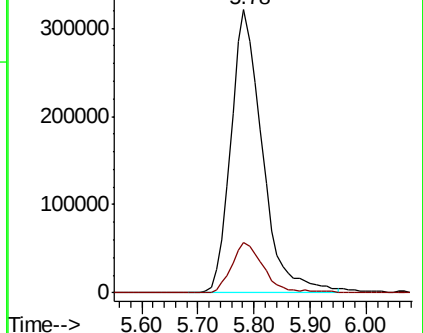
77 100

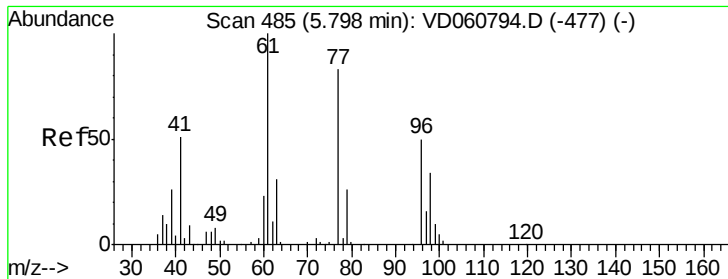
97 17.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



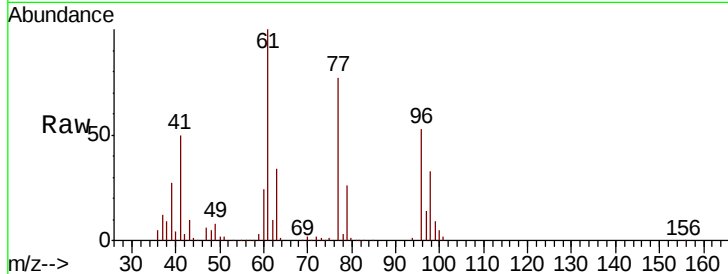


#27

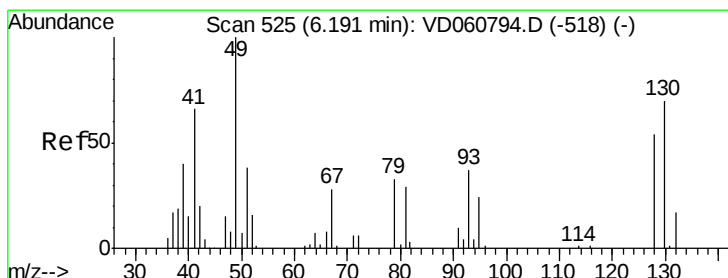
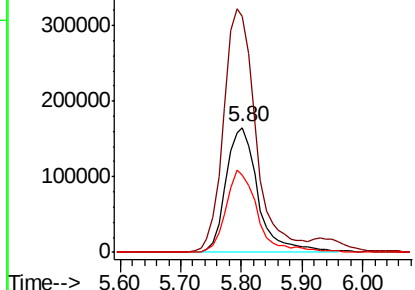
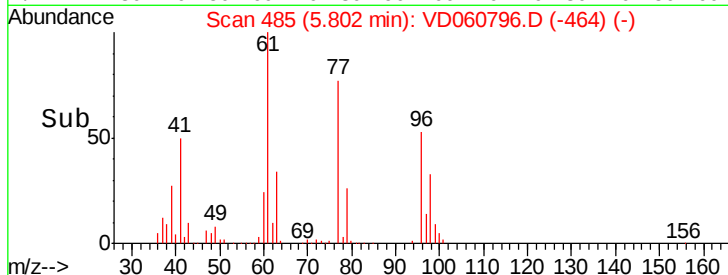
cis-1,2-Dichloroethene
 Concen: 93.464 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 607420
 Ion Ratio Lower Upper
 96 100
 61 189.1 0.0 400.0
 98 61.7 0.0 136.4



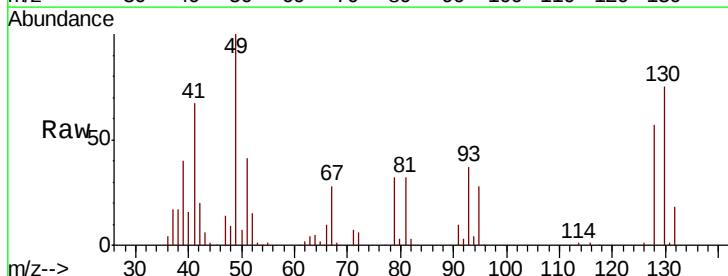
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



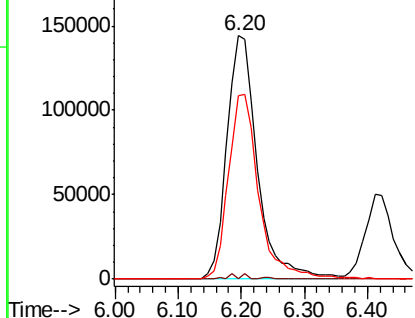
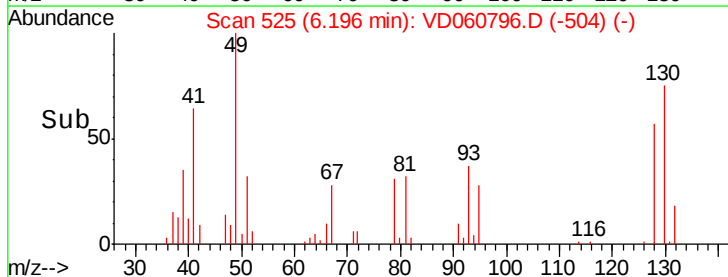
#28

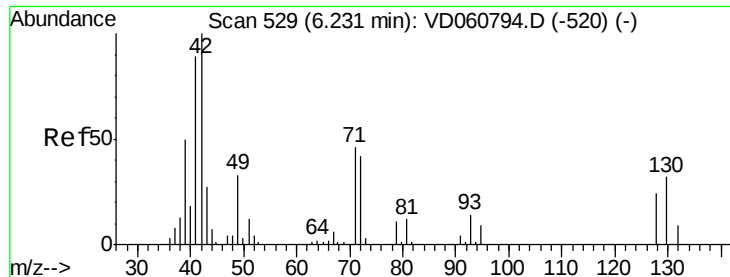
Bromochloromethane
 Concen: 98.523 ug/l
 RT: 6.20 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 49 Resp: 480975
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 75.4 56.1 84.1



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





#29

Tetrahydrofuran

Concen: 464.054 ug/l

RT: 6.23 min Scan# 528

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

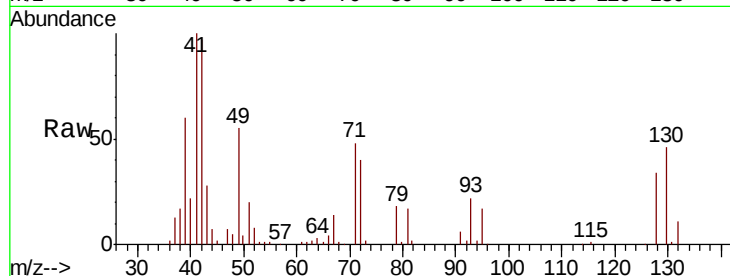
Tgt Ion: 42 Resp: 414041

Ion Ratio Lower Upper

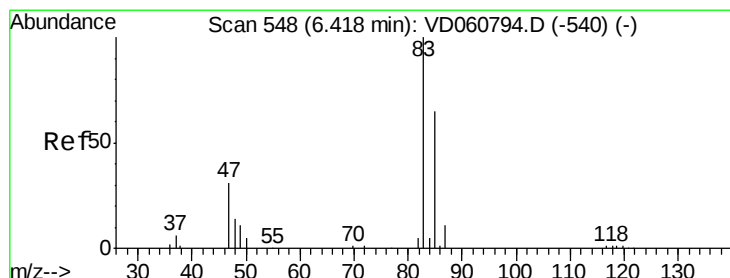
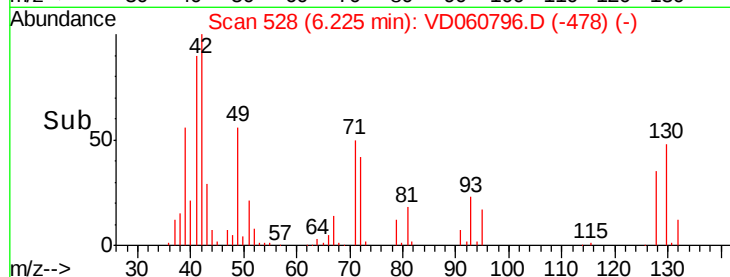
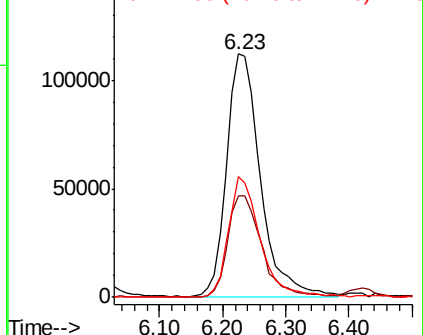
42 100

72 42.3 32.8 49.2

71 46.5 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: 103.532 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.00 min

Lab File: VD060796.D

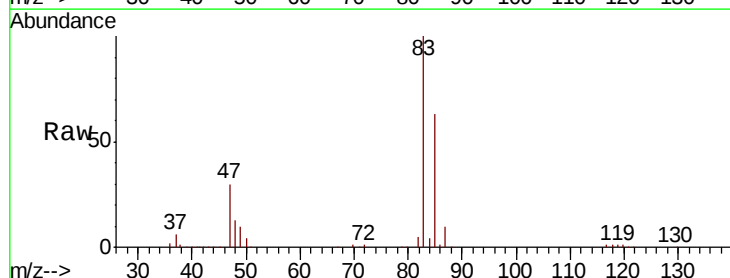
Acq: 28 Jan 2019 17:35

Tgt Ion: 83 Resp: 1509166

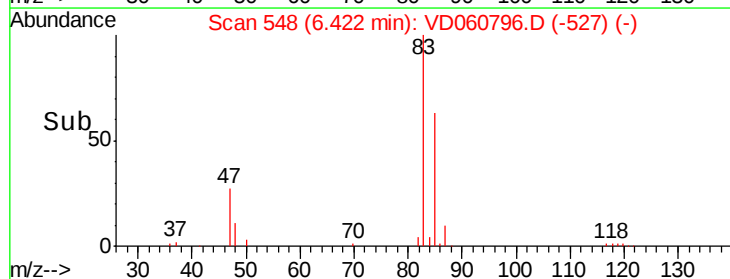
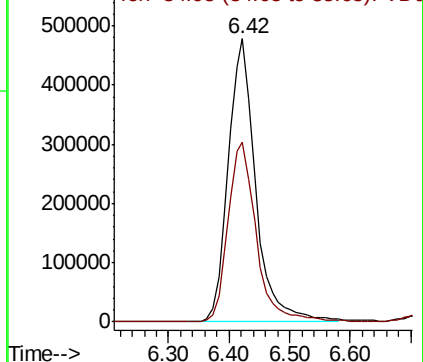
Ion Ratio Lower Upper

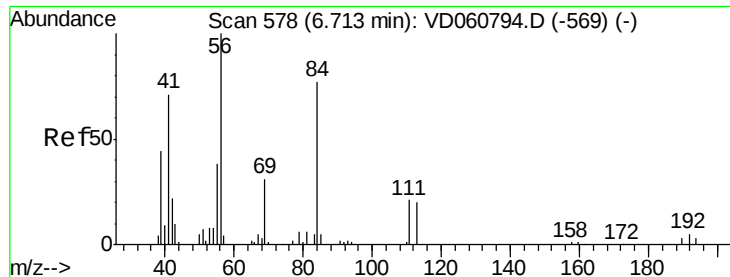
83 100

85 63.3 52.3 78.5



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

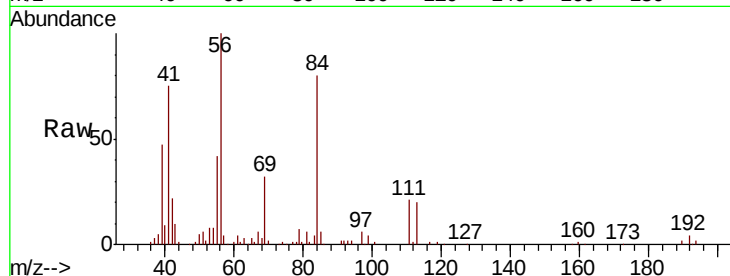




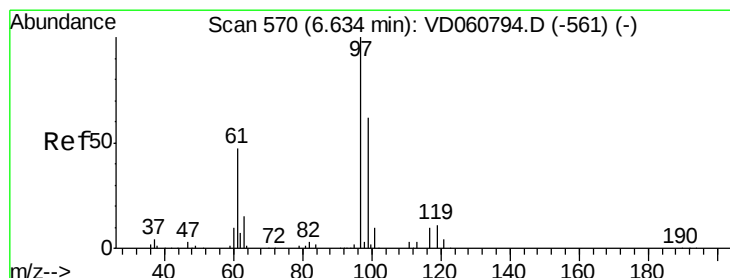
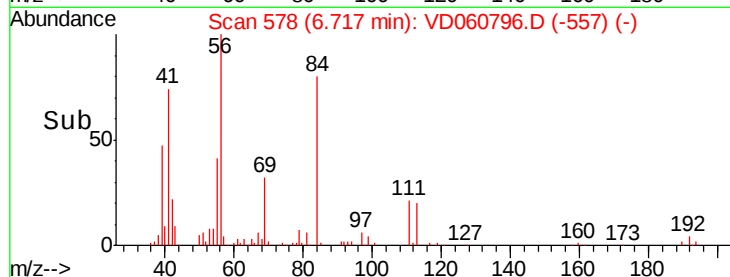
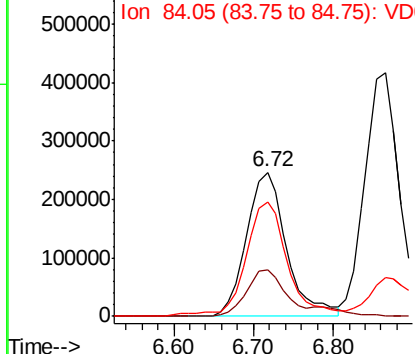
#31
Cyclohexane
Concen: 92.095 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 854908
Ion Ratio Lower Upper
56 100
69 32.2 25.1 37.7
84 79.9 63.9 95.9

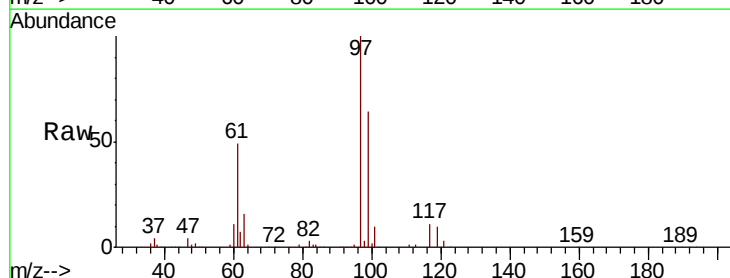


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

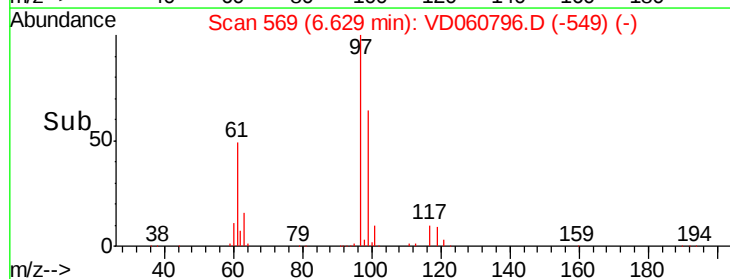
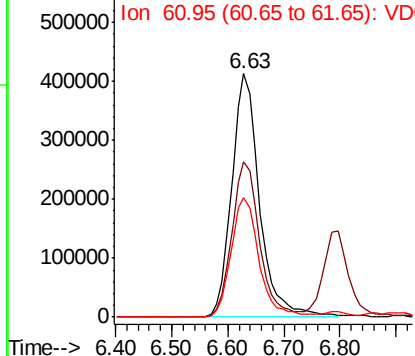


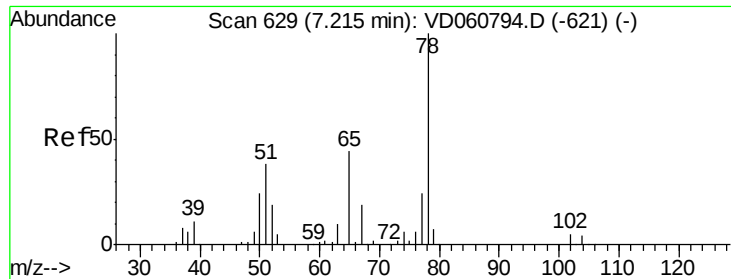
#32
1,1,1-Trichloroethane
Concen: 103.519 ug/l
RT: 6.63 min Scan# 569
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 97 Resp: 1418627
Ion Ratio Lower Upper
97 100
99 64.0 49.6 74.4
61 49.2 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 103.519 ug/l

RT: 7.21 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

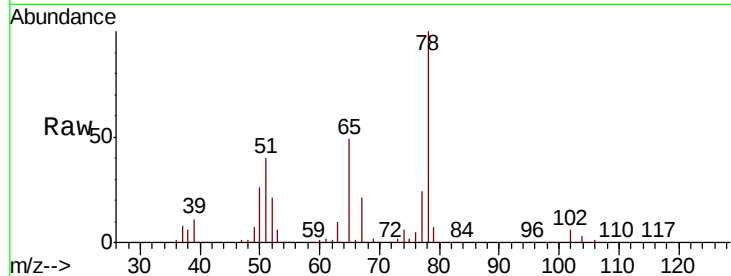
VSTDIC100

Tgt Ion: 65 Resp: 910017

Ion Ratio Lower Upper

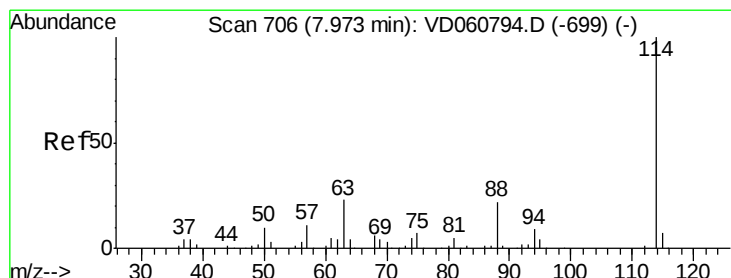
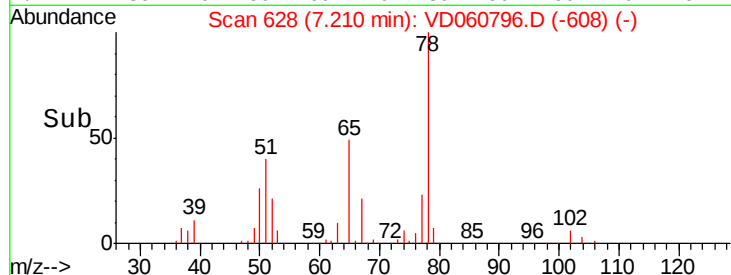
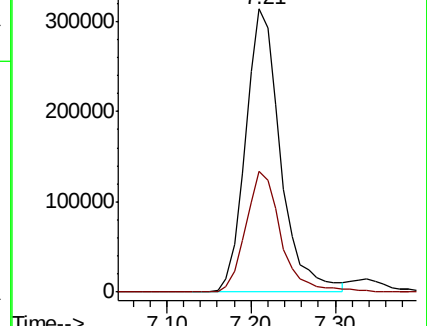
65 100

67 42.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

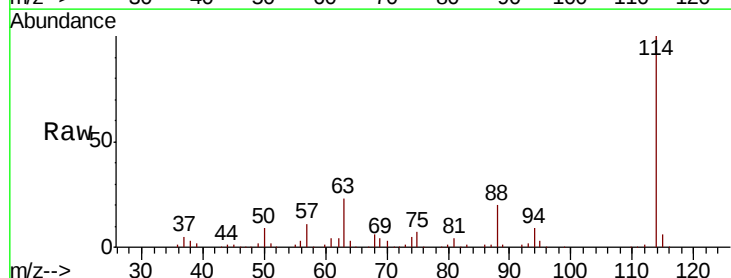
Tgt Ion: 114 Resp: 865179

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.6

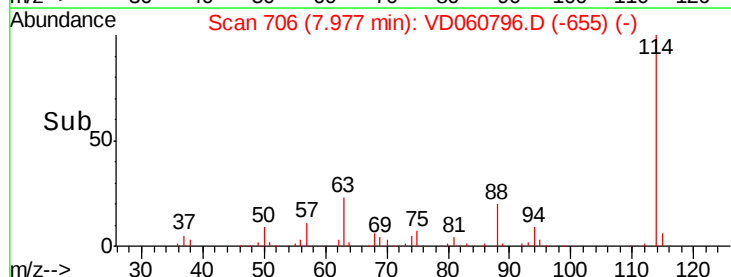
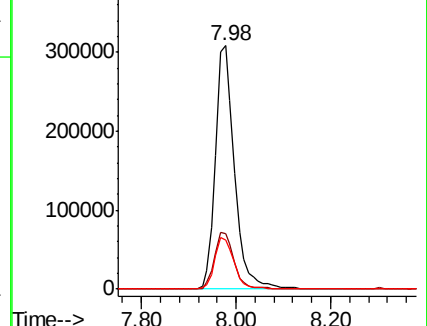
88 20.2 0.0 44.0

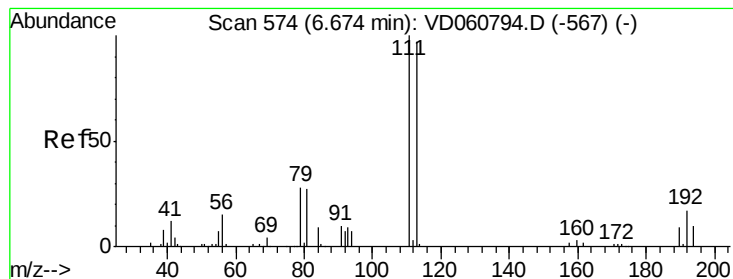


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

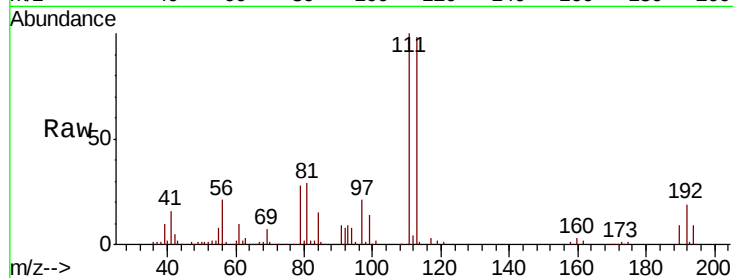
Tgt Ion:113 Resp: 794195

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

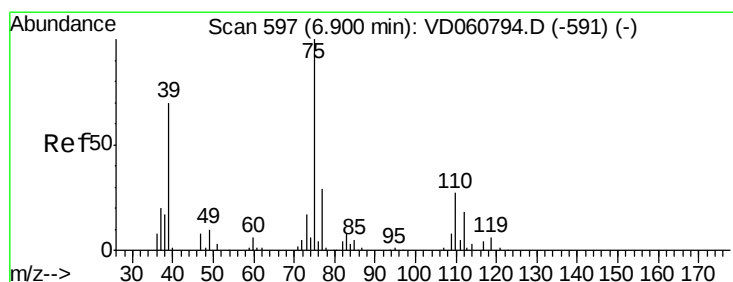
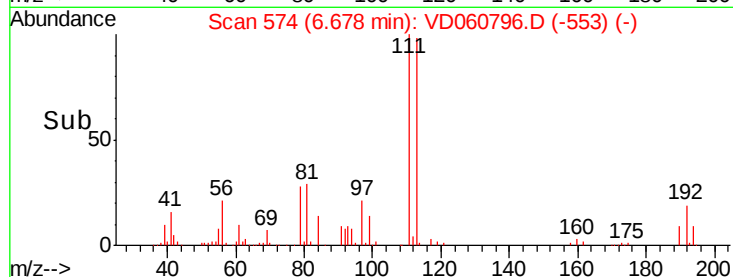
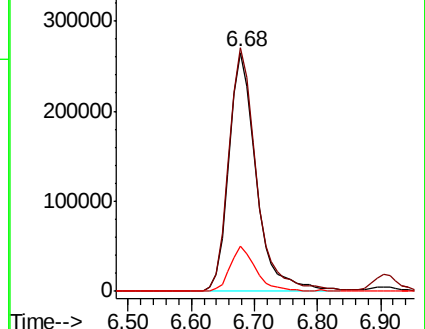
192 19.0 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 91.143 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

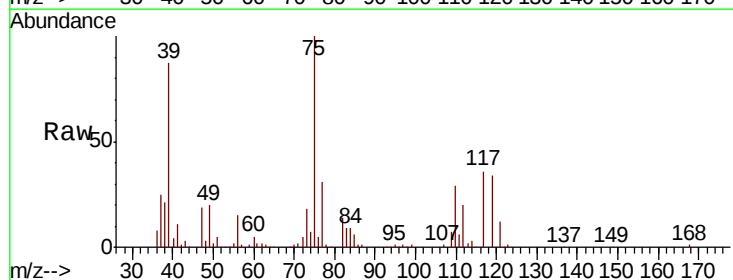
Tgt Ion: 75 Resp: 954956

Ion Ratio Lower Upper

75 100

110 28.8 13.5 40.4

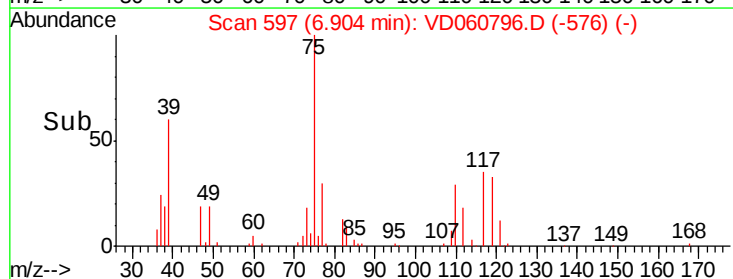
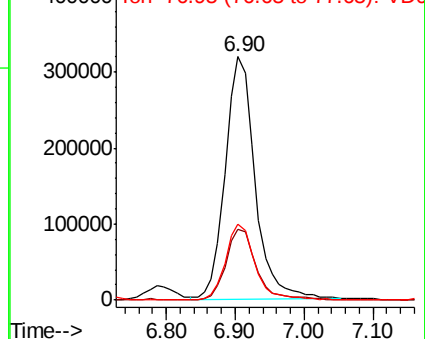
77 31.0 23.4 35.2

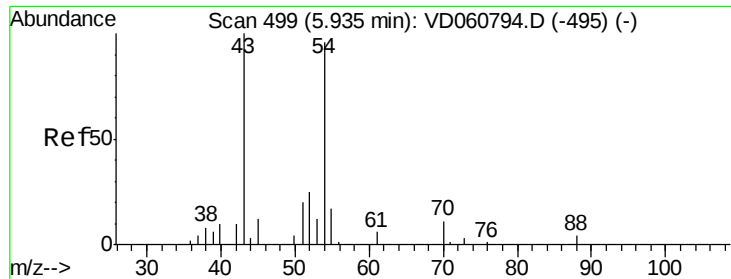


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

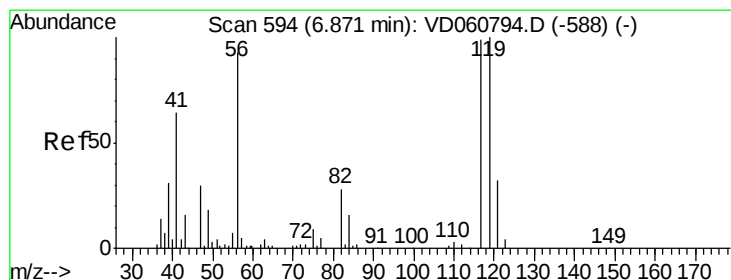
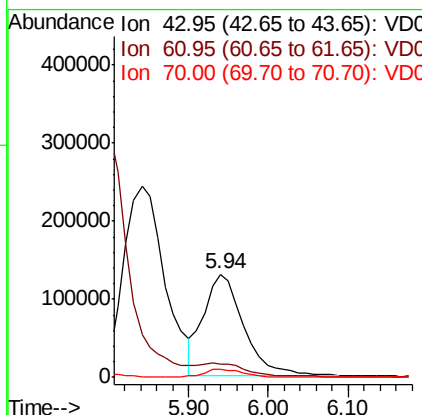
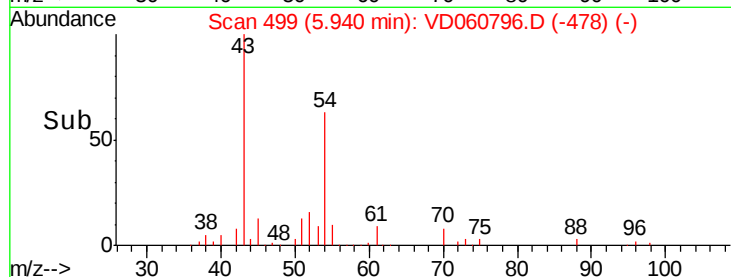
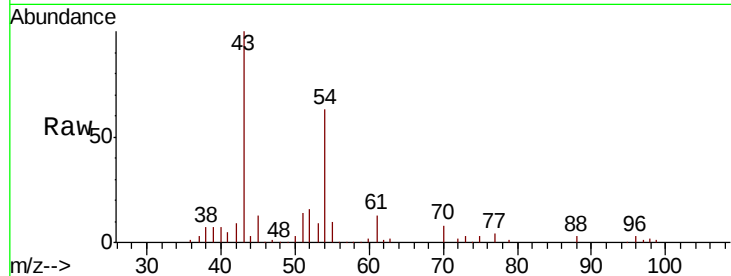




#37
Ethyl Acetate
Concen: 98.454 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

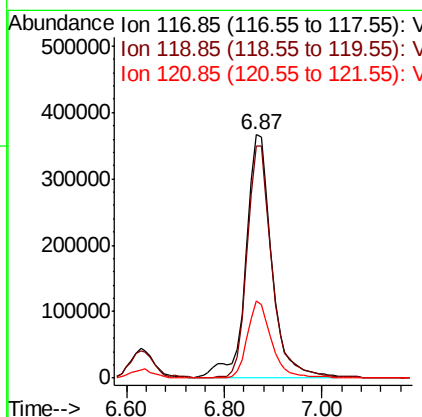
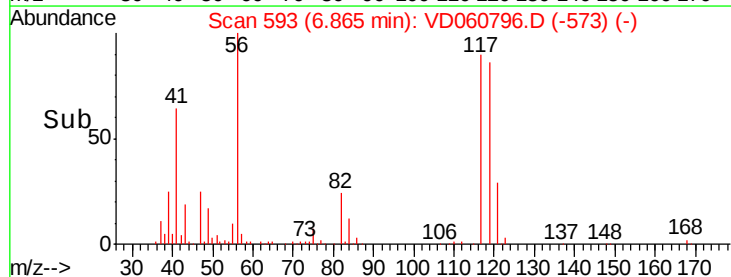
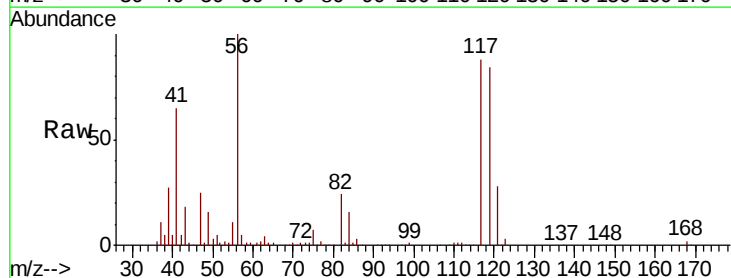
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

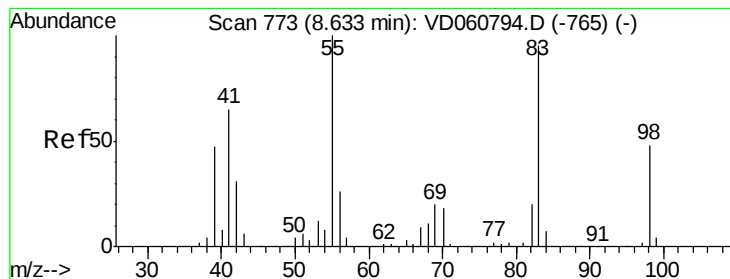
Tgt Ion: 43 Resp: 459265
Ion Ratio Lower Upper
43 100
61 13.4 12.3 18.5
70 7.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 106.609 ug/l
RT: 6.87 min Scan# 593
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 117 Resp: 1336101
Ion Ratio Lower Upper
117 100
119 95.1 75.6 113.4
121 31.7 23.4 35.2





#39

Methylcyclohexane

Concen: 91.425 ug/l

RT: 8.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

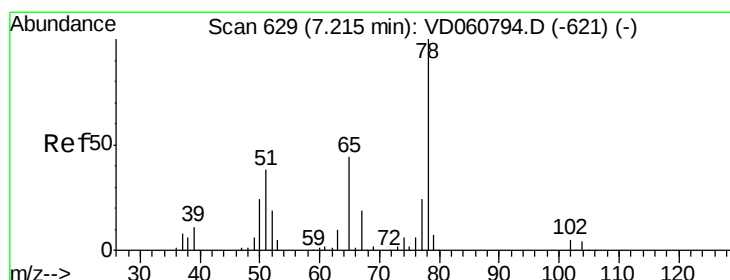
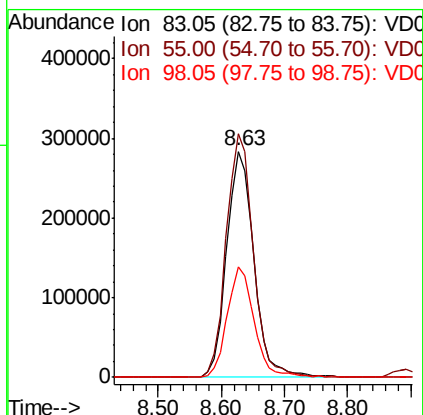
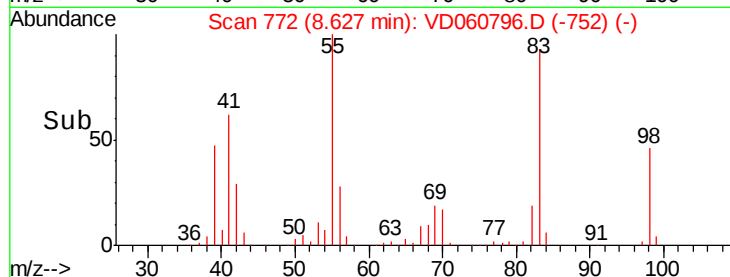
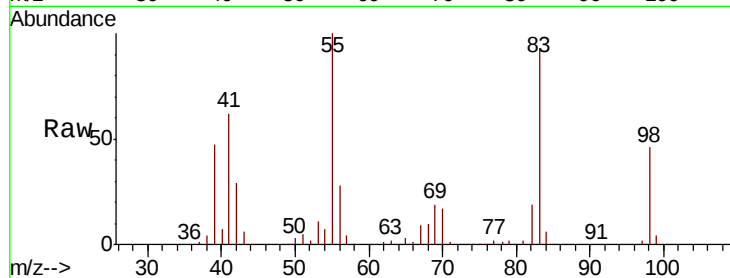
Tgt Ion: 83 Resp: 847380

Ion Ratio Lower Upper

83 100

55 107.6 83.8 125.8

98 49.0 39.8 59.8



#40

Benzene

Concen: 93.902 ug/l

RT: 7.21 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD060796.D

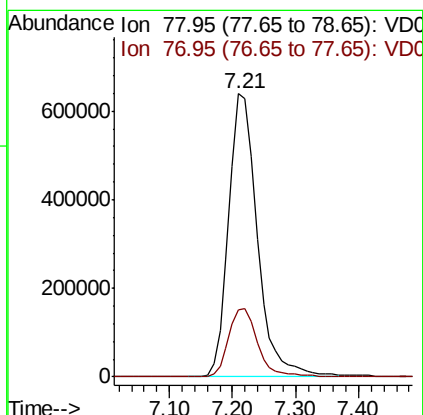
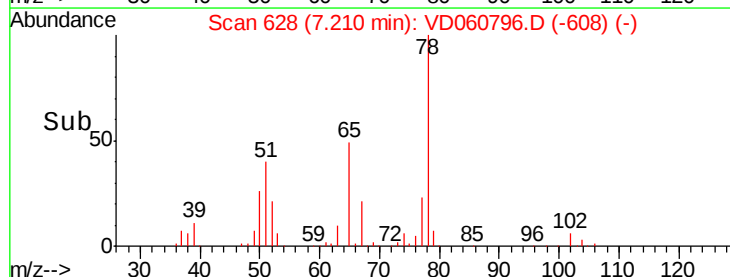
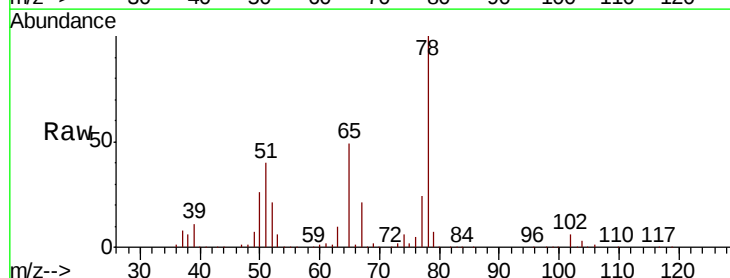
Acq: 28 Jan 2019 17:35

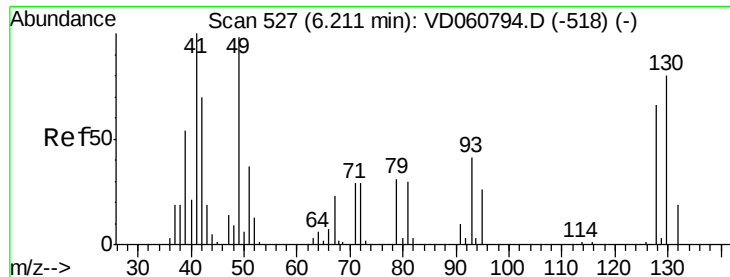
Tgt Ion: 78 Resp: 2022691

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





#41

Methacrylonitrile

Concen: 186.924 ug/l

RT: 6.22 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 558509

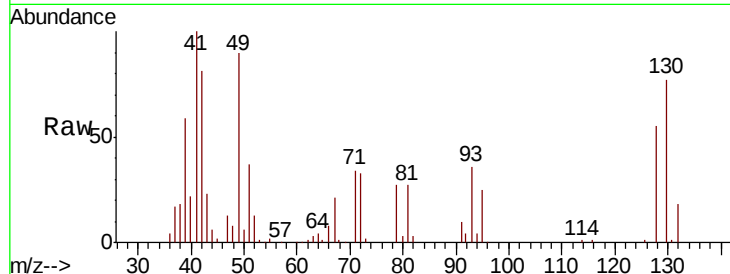
Ion Ratio Lower Upper

41 100

39 59.2 43.6 65.4

67 21.1 18.5 27.7

52 13.4 10.2 15.2

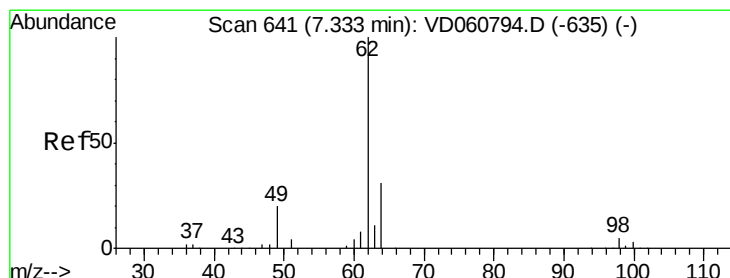
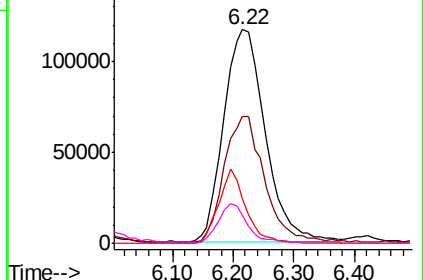
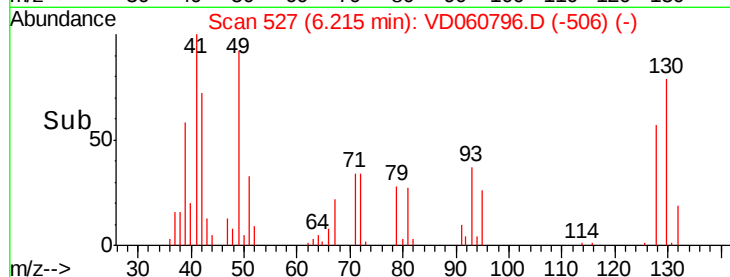


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 106.670 ug/l

RT: 7.34 min Scan# 641

Delta R.T. 0.00 min

Lab File: VD060796.D

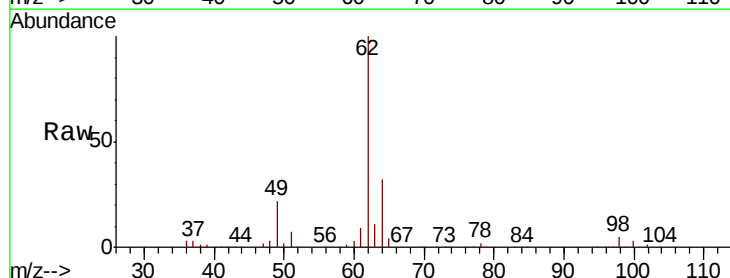
Acq: 28 Jan 2019 17:35

Tgt Ion: 62 Resp: 1188787

Ion Ratio Lower Upper

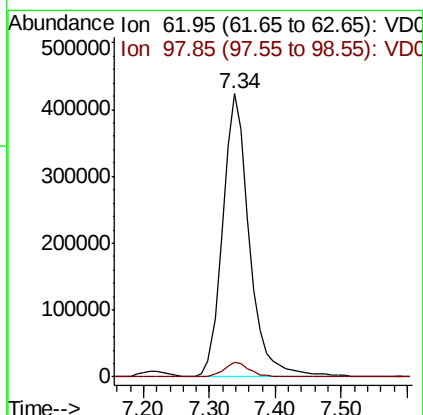
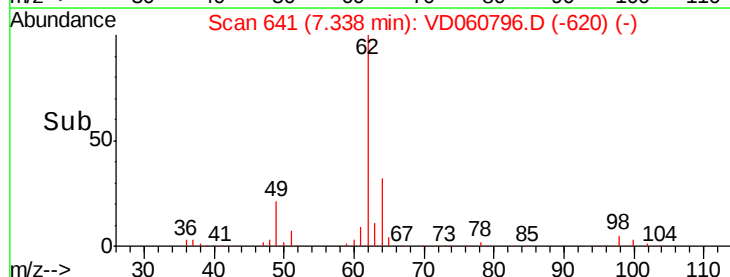
62 100

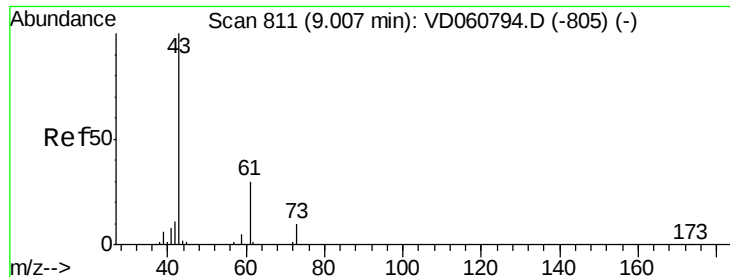
98 5.0 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 98.702 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

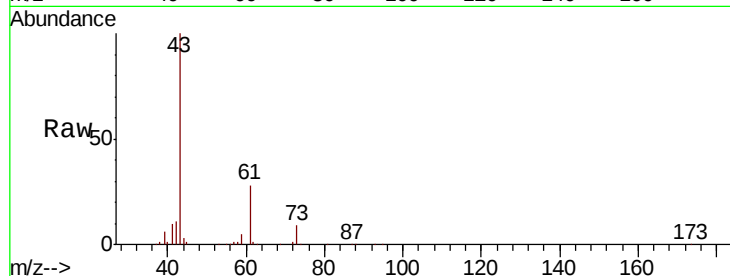
Tgt Ion: 43 Resp: 636452

Ion Ratio Lower Upper

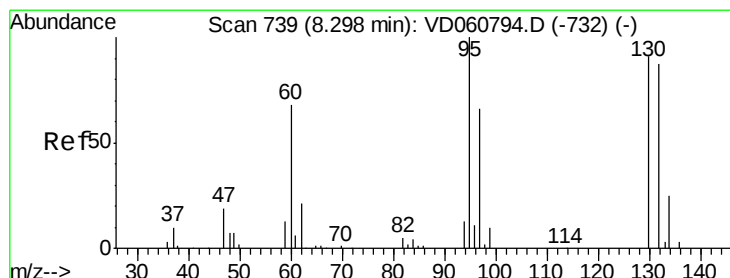
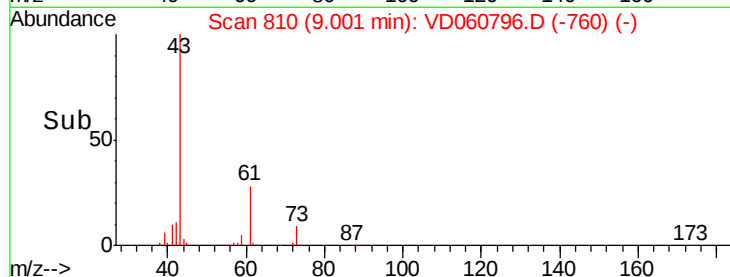
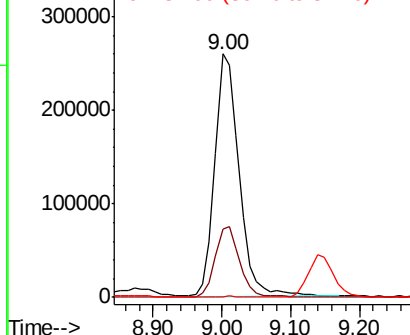
43 100

61 28.0 24.1 36.1

87 0.4 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: 96.025 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060796.D

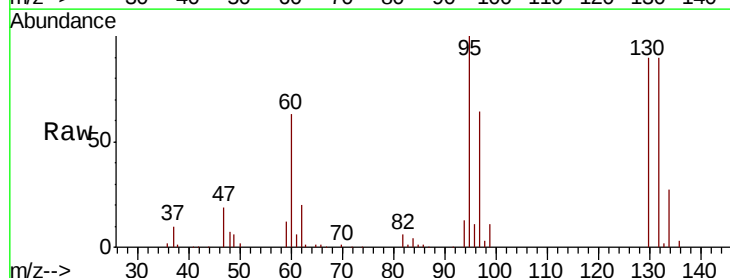
Acq: 28 Jan 2019 17:35

Tgt Ion:130 Resp: 689991

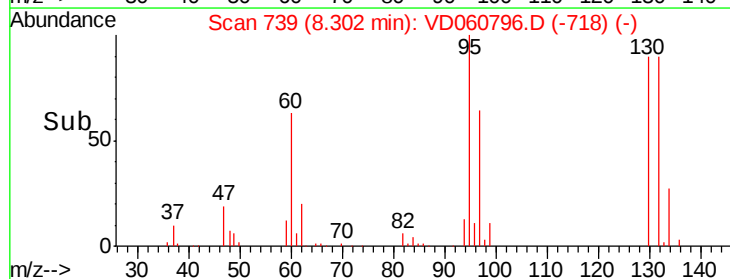
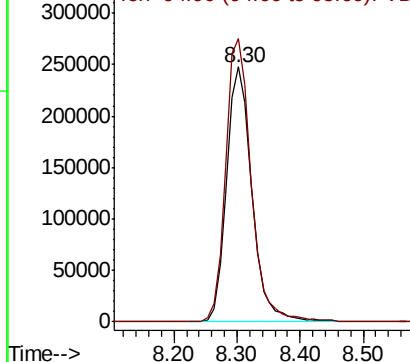
Ion Ratio Lower Upper

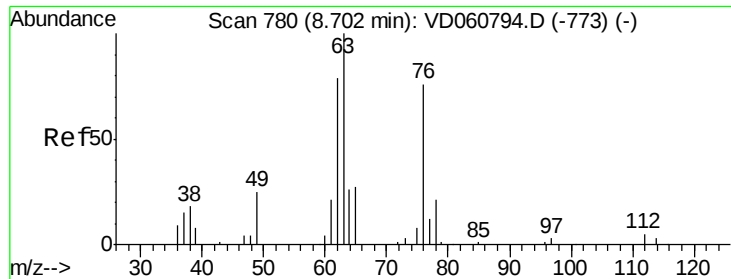
130 100

95 111.1 0.0 221.0



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

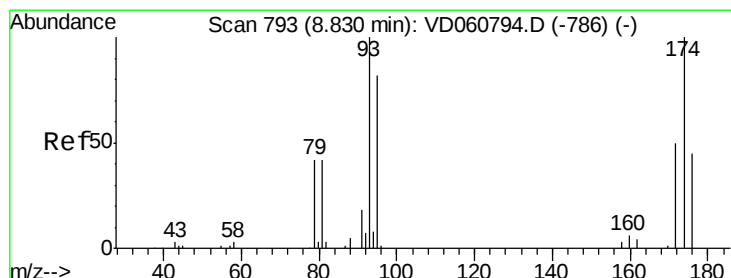
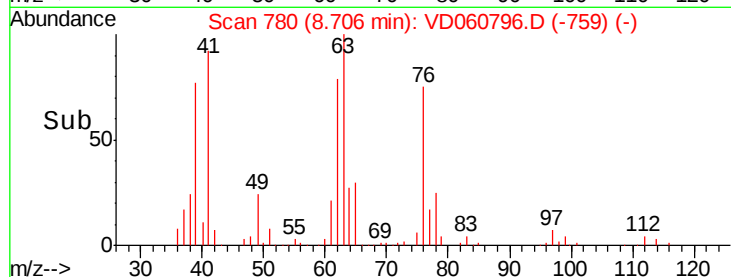
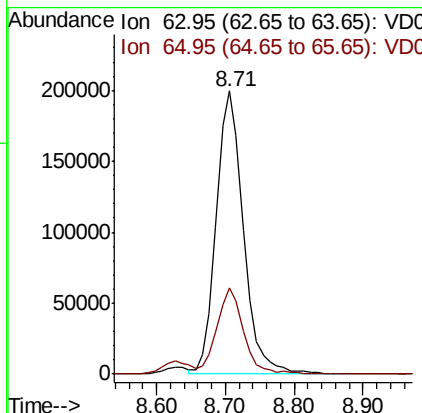
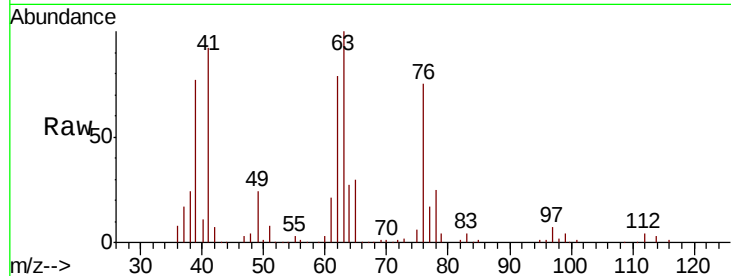




#45
 1,2-Dichloropropane
 Concen: 96.303 ug/l
 RT: 8.71 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

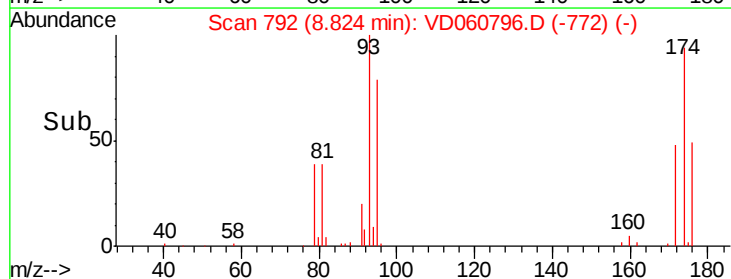
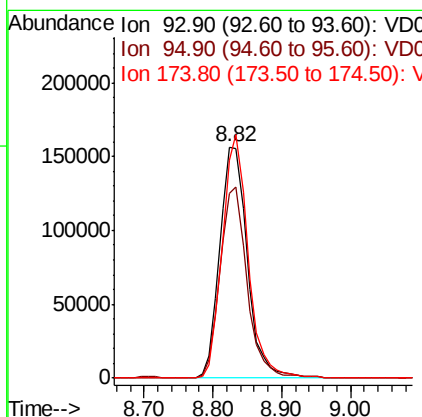
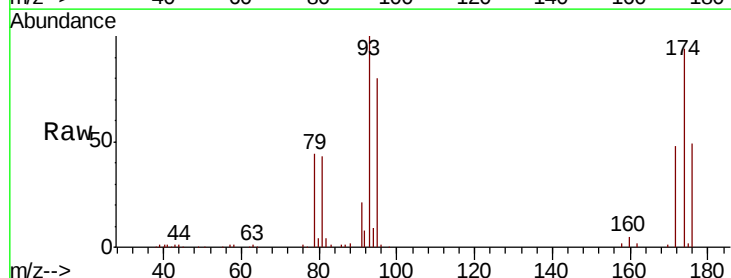
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

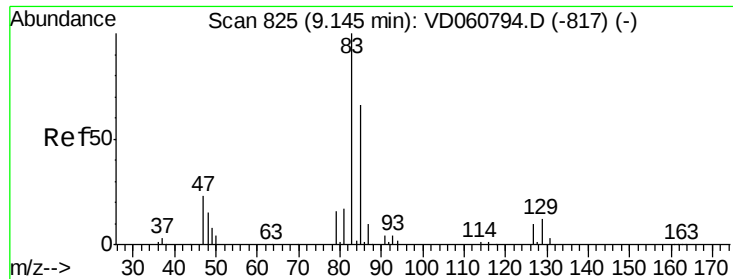
Tgt Ion: 63 Resp: 542444
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.1 36.1



#46
 Dibromomethane
 Concen: 100.392 ug/l
 RT: 8.82 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 93 Resp: 435184
 Ion Ratio Lower Upper
 93 100
 95 79.7 65.8 98.8
 174 94.0 79.8 119.6





#47

Bromodichloromethane

Concen: 103.918 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

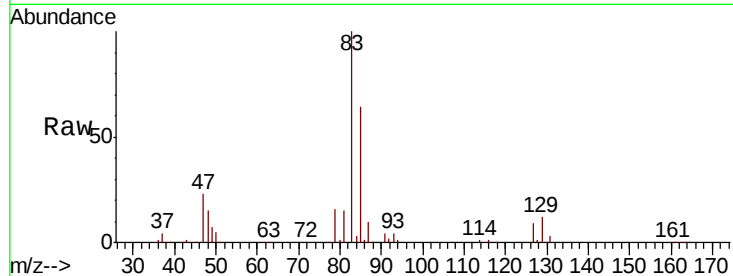
Tgt Ion: 83 Resp: 1158620

Ion Ratio Lower Upper

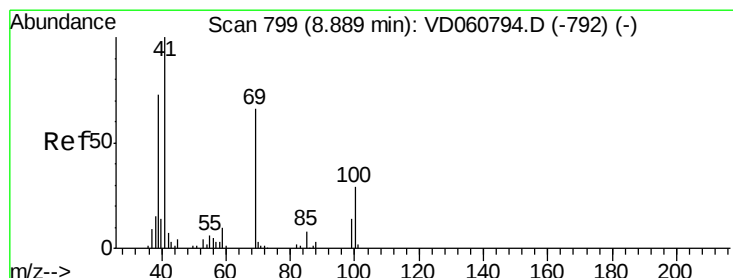
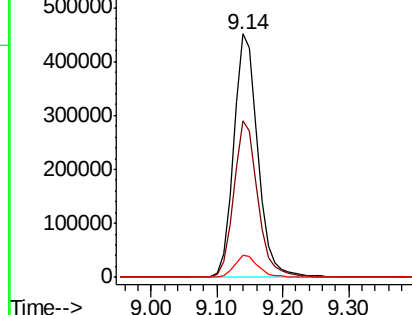
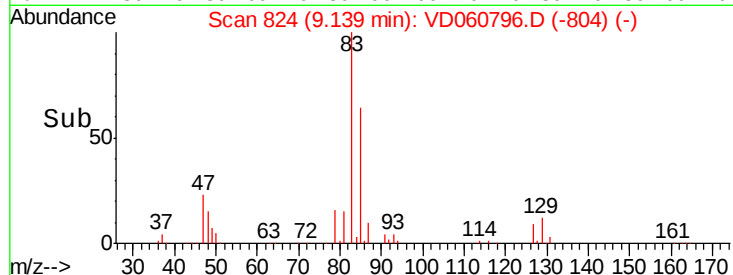
83 100

85 64.1 52.6 79.0

127 9.2 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: 97.342 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

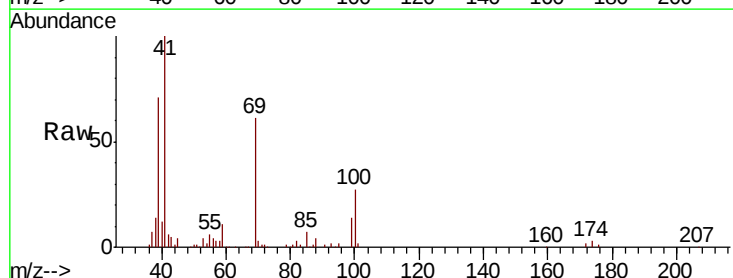
Tgt Ion: 41 Resp: 422712

Ion Ratio Lower Upper

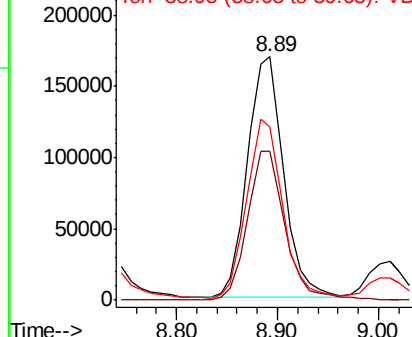
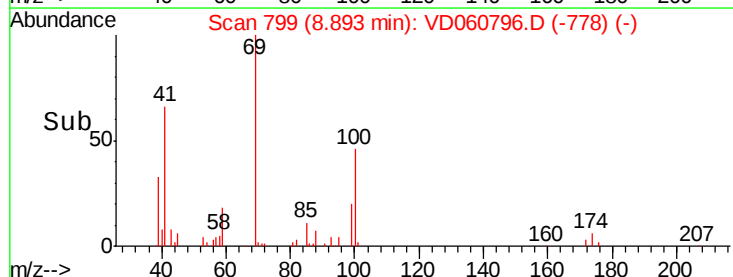
41 100

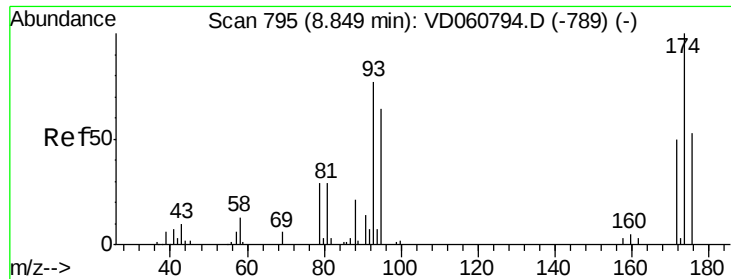
69 61.1 52.5 78.7

39 71.1 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

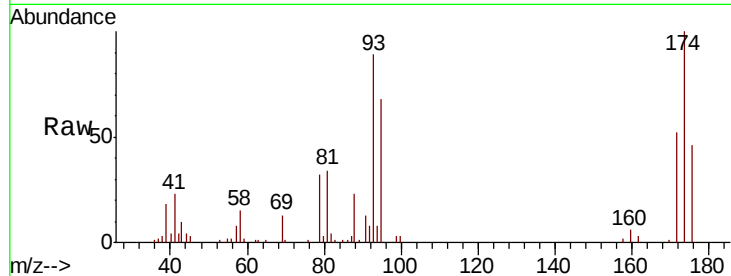




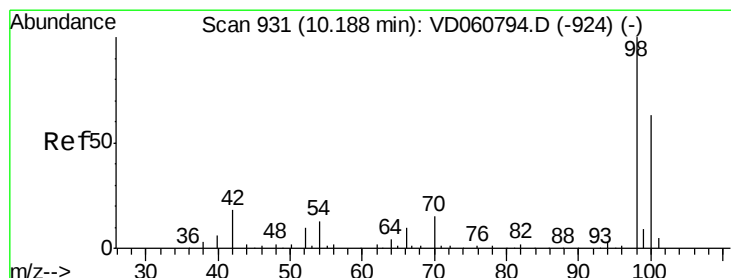
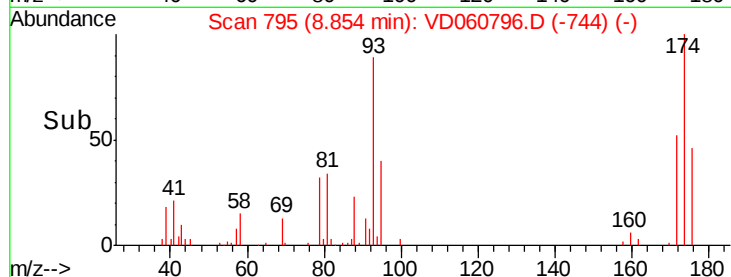
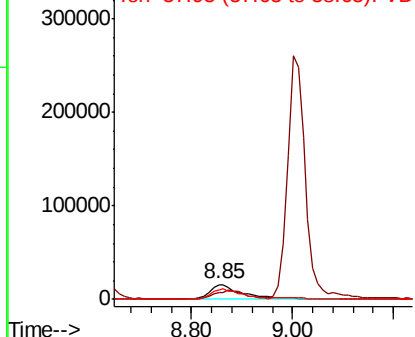
#49
 1,4-Dioxane
 Concen: 1962.213 ug/l
 RT: 8.85 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 71907
 Ion Ratio Lower Upper
 88 100
 43 43.5 40.9 61.3
 58 66.3 52.2 78.4

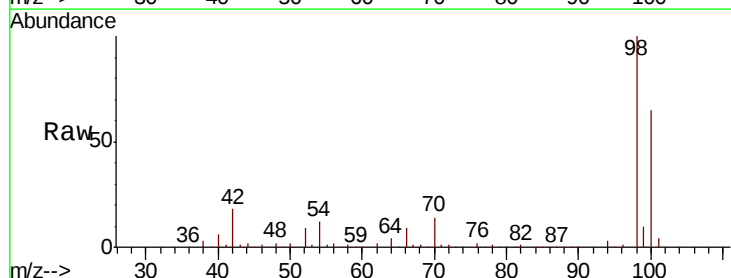


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

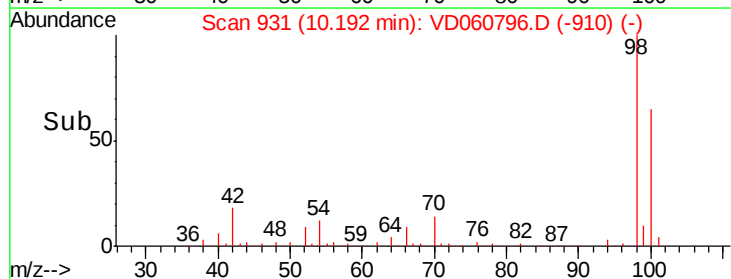
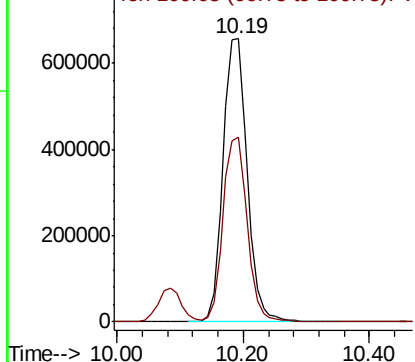


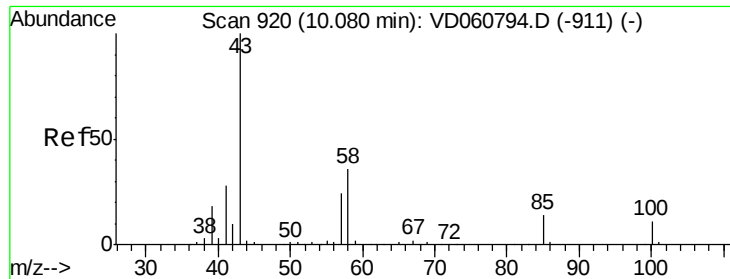
#50
 Toluene-d8
 Concen: 1962.213 ug/l
 RT: 10.19 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 98 Resp: 1747103
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.0 76.6



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

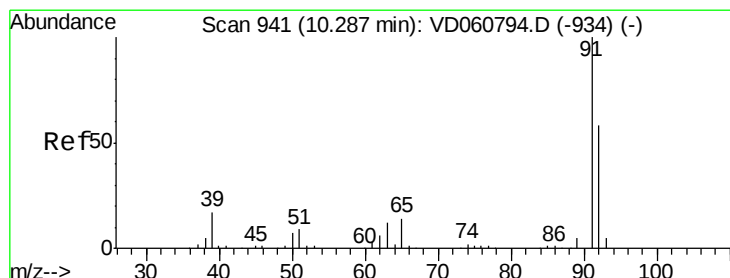
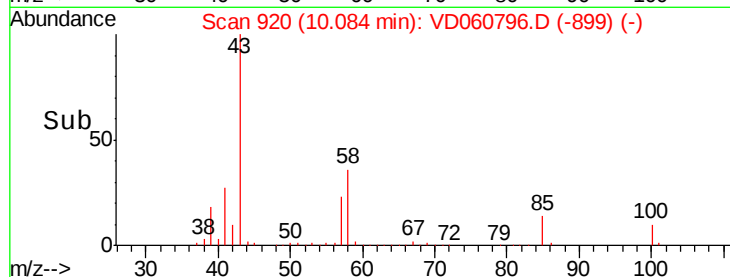
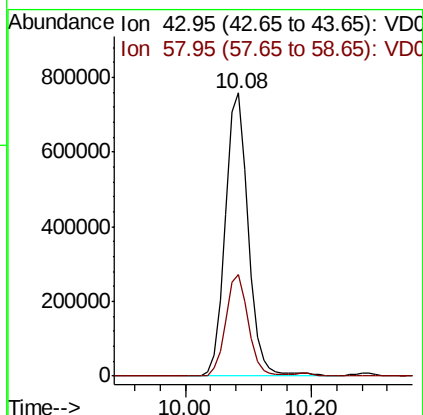
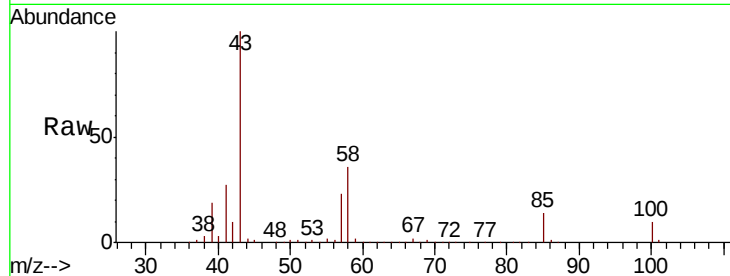




#51
4-Methyl-2-Pentanone
Concen: 459.565 ug/l
RT: 10.08 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

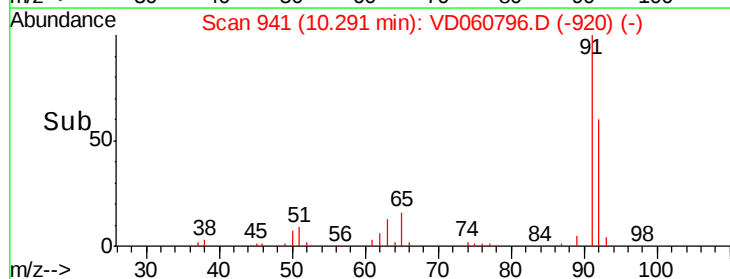
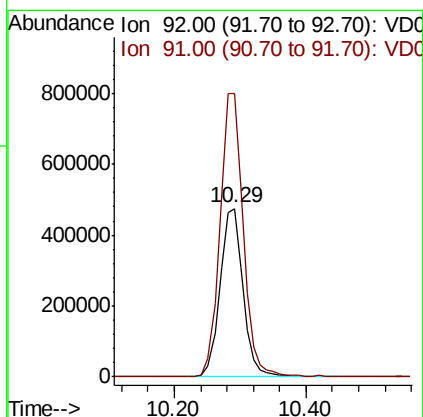
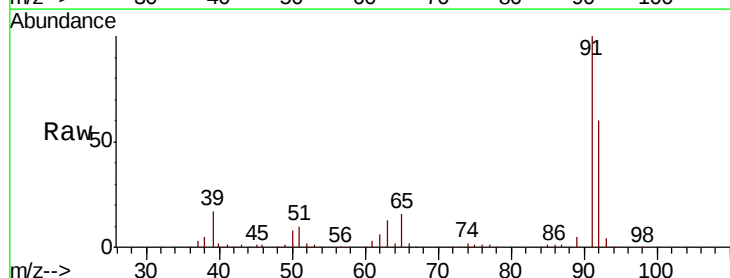
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

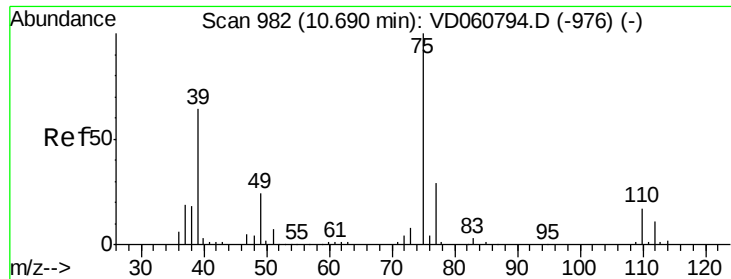
Tgt Ion: 43 Resp: 1897406
Ion Ratio Lower Upper
43 100
58 35.8 28.4 42.6



#52
Toluene
Concen: 88.140 ug/l
RT: 10.29 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 92 Resp: 1156264
Ion Ratio Lower Upper
92 100
91 167.7 137.7 206.5

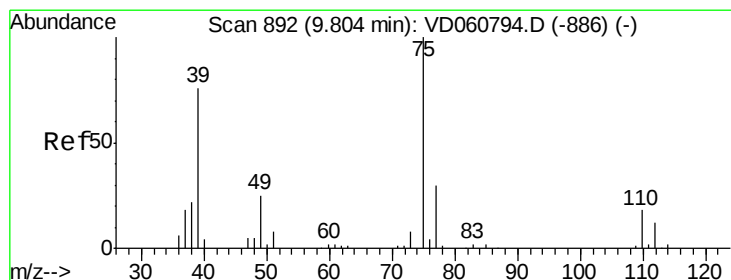
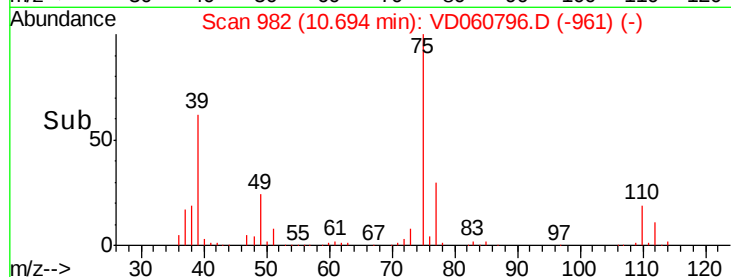
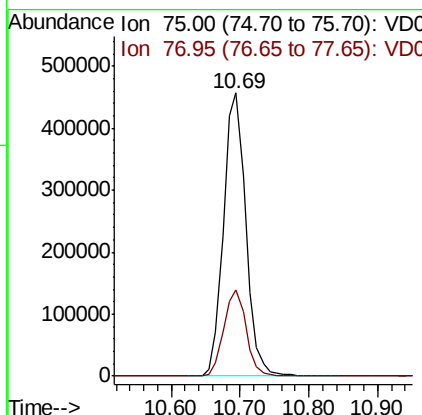
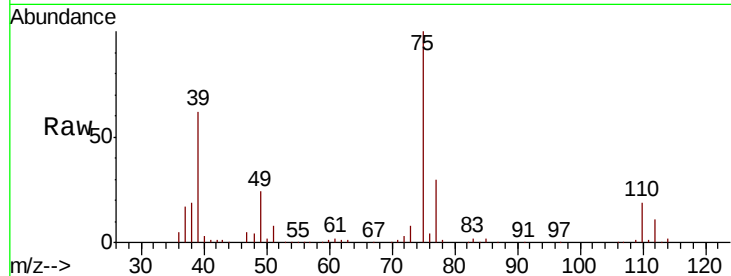




#53
 t-1,3-Dichloropropene
 Concen: 102.156 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

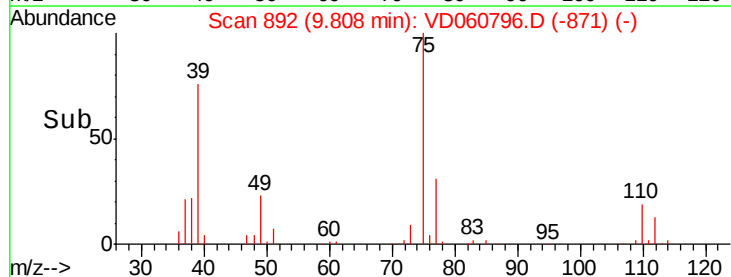
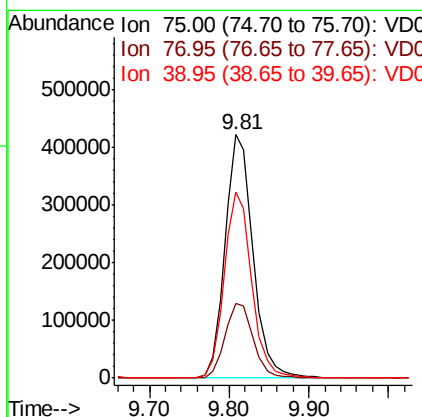
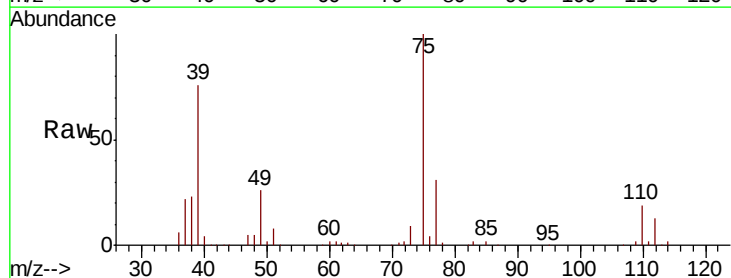
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

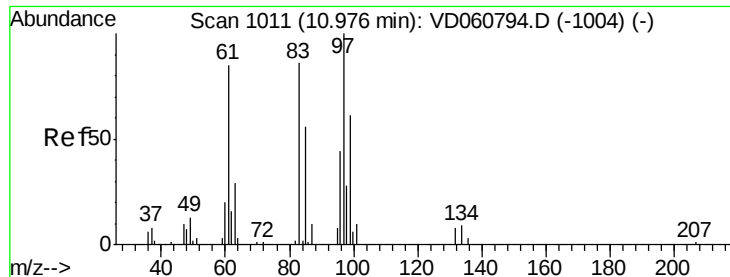
Tgt Ion: 75 Resp: 1024656
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 100.139 ug/l
 RT: 9.81 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 75 Resp: 1036792
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.9 35.9
 39 76.3 60.4 90.6

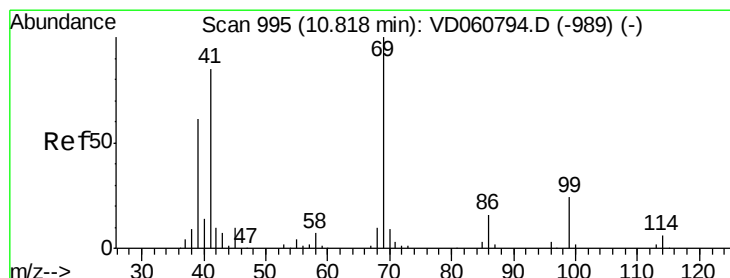
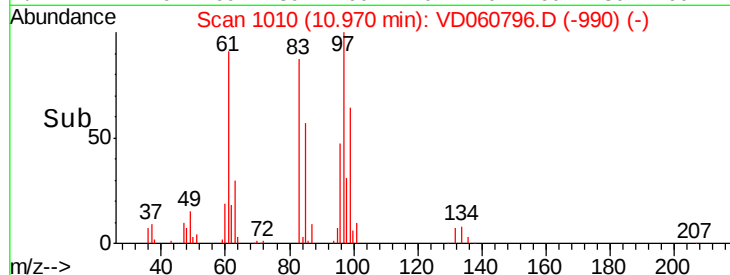
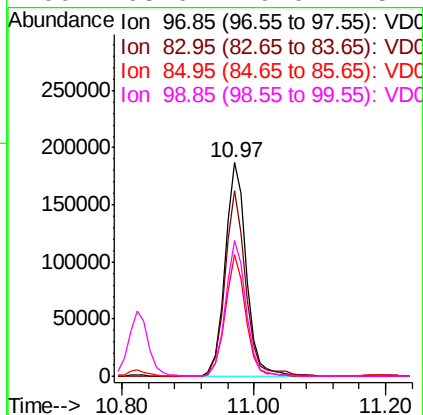
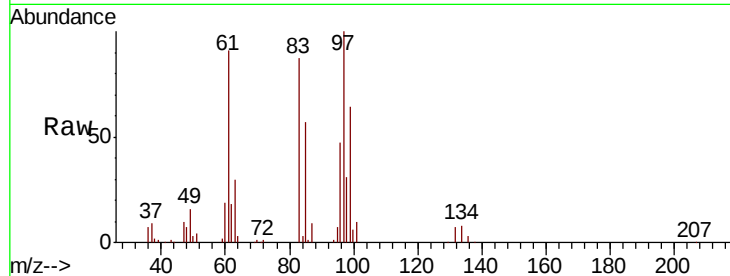




#55
 1,1,2-Trichloroethane
 Concen: 90.831 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

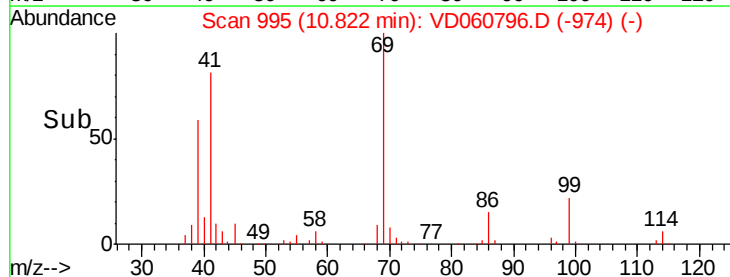
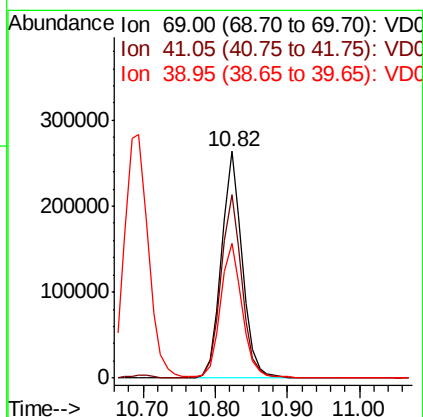
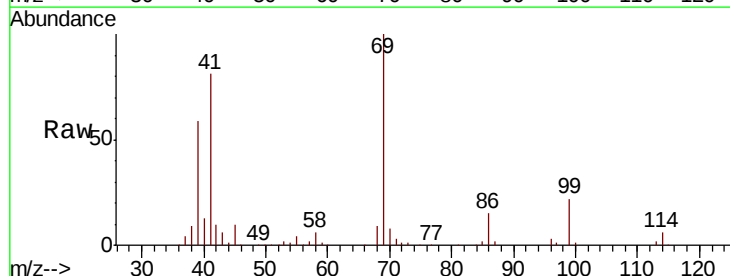
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

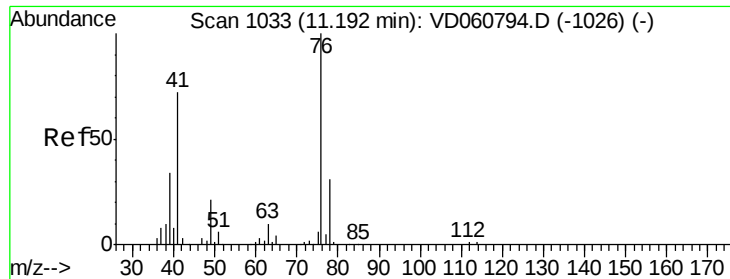
Tgt Ion: 97 Resp: 420296
 Ion Ratio Lower Upper
 97 100
 83 86.7 68.5 102.7
 85 56.7 45.0 67.6
 99 63.6 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 94.548 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 69 Resp: 524390
 Ion Ratio Lower Upper
 69 100
 41 80.9 68.2 102.2
 39 59.3 49.4 74.0





#57

1,3-Dichloropropane

Concen: 99.945 ug/l

RT: 11.19 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

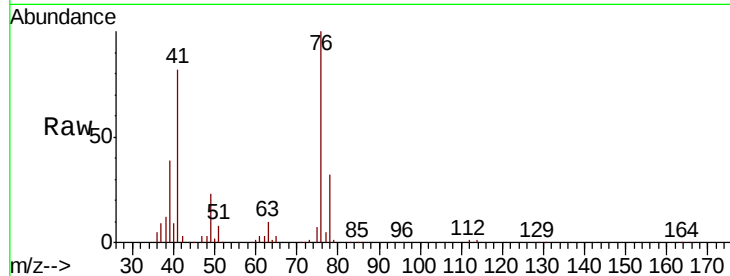
VSTDIC100

Tgt Ion: 76 Resp: 758344

Ion Ratio Lower Upper

76 100

78 32.0 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.19

300000

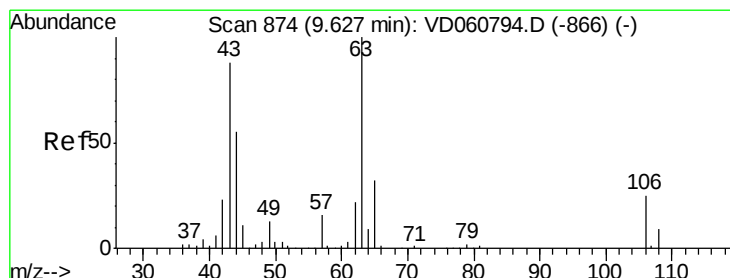
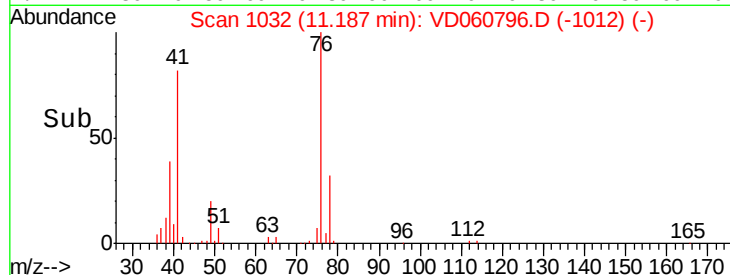
200000

100000

0

Time-->

11.10 11.20 11.30



#58

2-Chloroethyl Vinyl ether

Concen: 473.411 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD060796.D

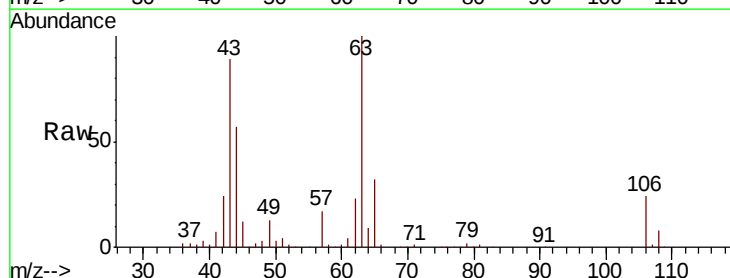
Acq: 28 Jan 2019 17:35

Tgt Ion: 63 Resp: 1322184

Ion Ratio Lower Upper

63 100

106 24.0 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

600000

500000

400000

300000

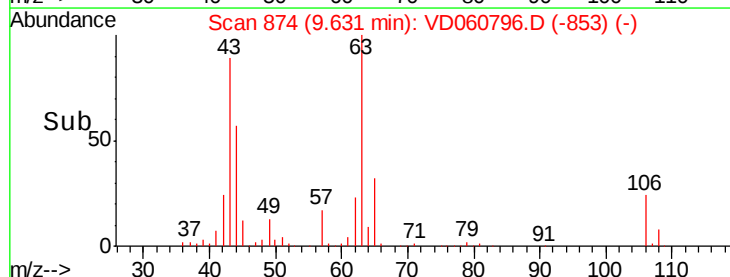
200000

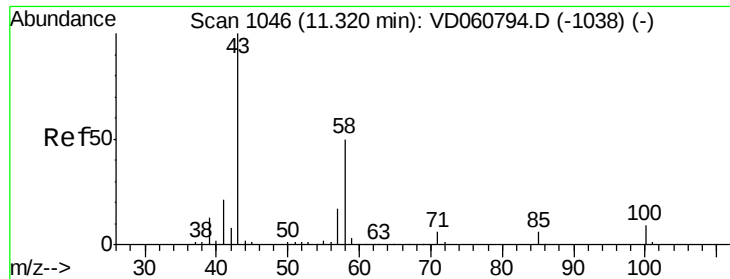
100000

0

Time-->

9.50 9.60 9.70 9.80

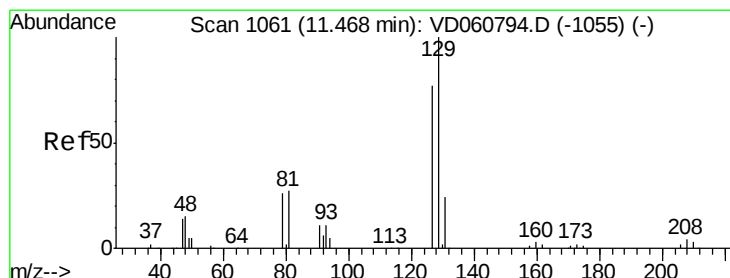
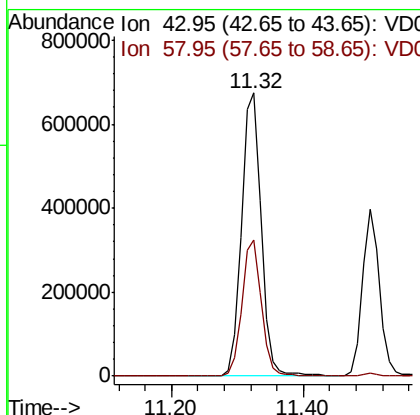
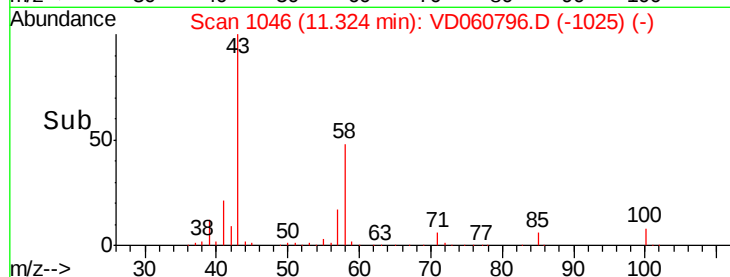
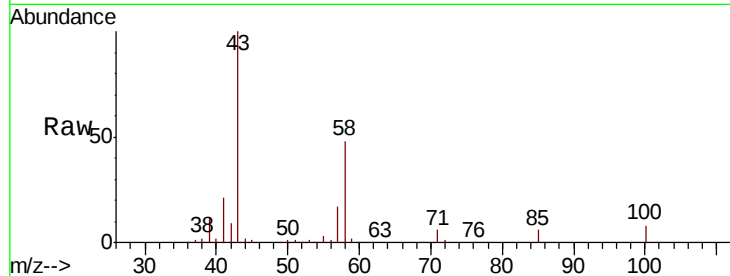




#59
2-Hexanone
Concen: 452.730 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

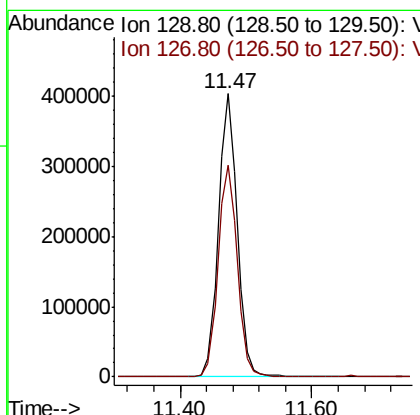
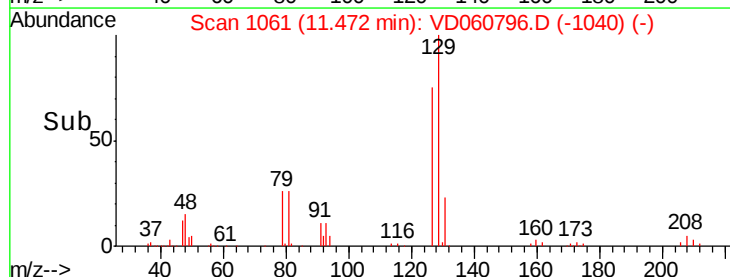
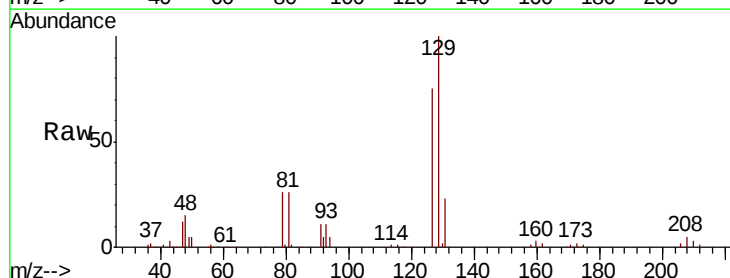
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

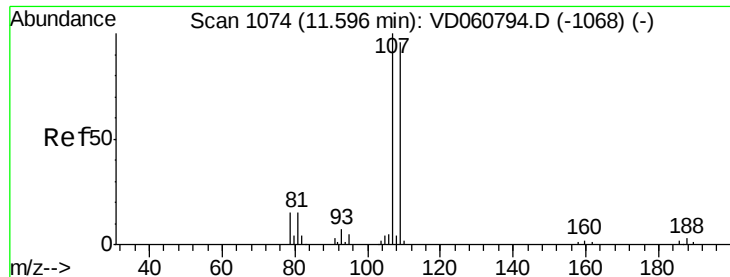
Tgt Ion: 43 Resp: 1414220
Ion Ratio Lower Upper
43 100
58 48.1 25.0 75.0



#60
Dibromochloromethane
Concen: 104.315 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 129 Resp: 800754
Ion Ratio Lower Upper
129 100
127 74.9 38.6 115.7

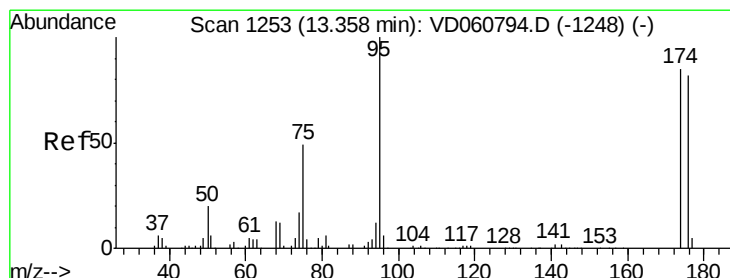
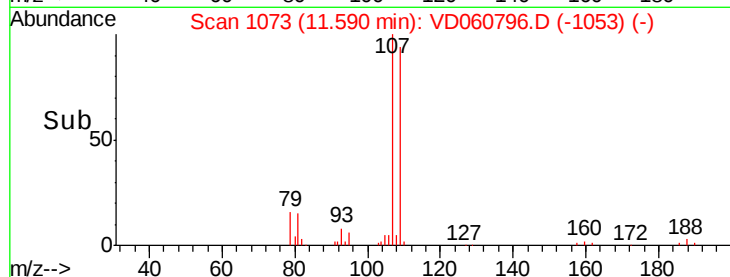
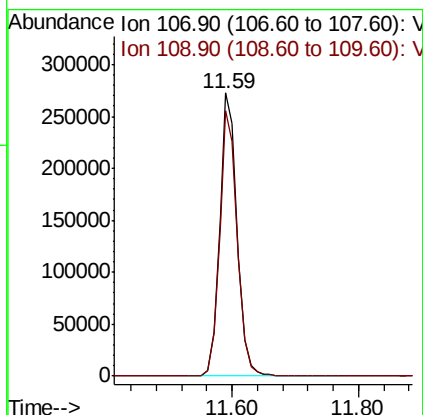
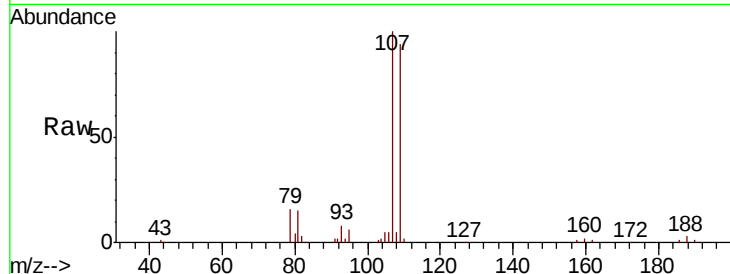




#61
 1,2-Dibromoethane
 Concen: 97.737 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

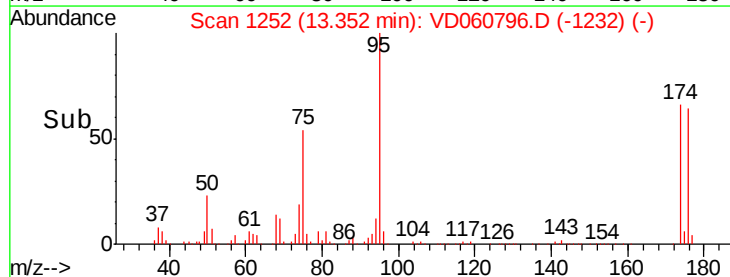
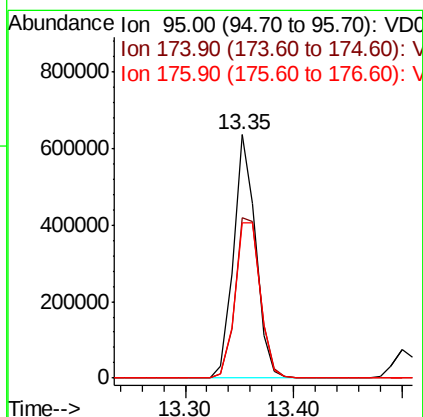
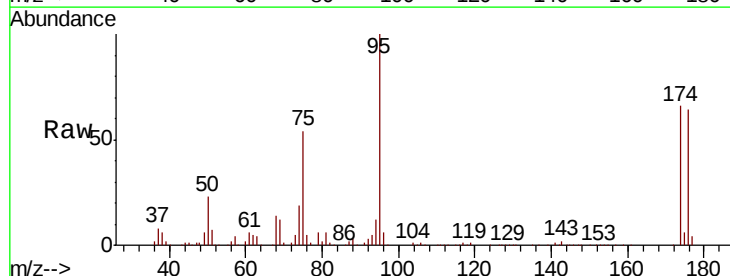
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

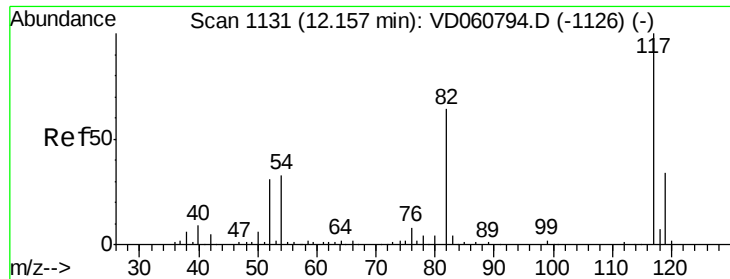
Tgt Ion: 107 Resp: 527259
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 97.737 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 95 Resp: 908384
 Ion Ratio Lower Upper
 95 100
 174 65.8 0.0 169.6
 176 63.7 0.0 163.8

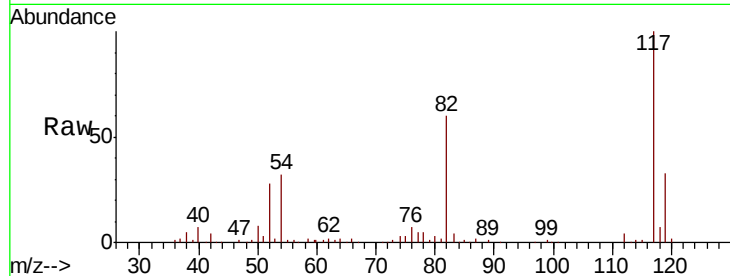




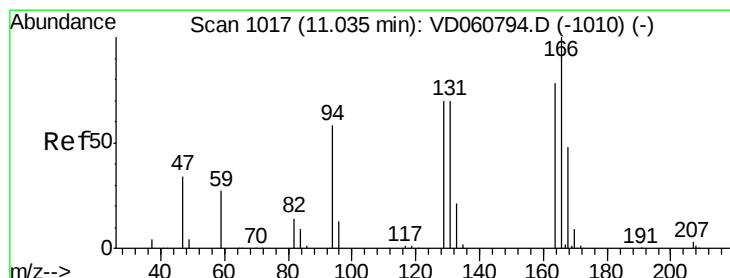
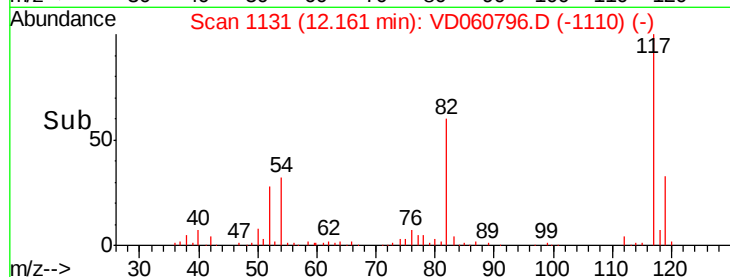
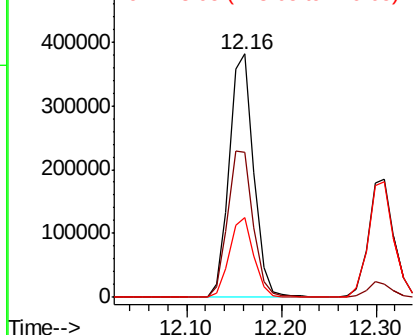
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 684219
Ion Ratio Lower Upper
117 100
82 59.5 51.5 77.3
119 32.7 27.1 40.7

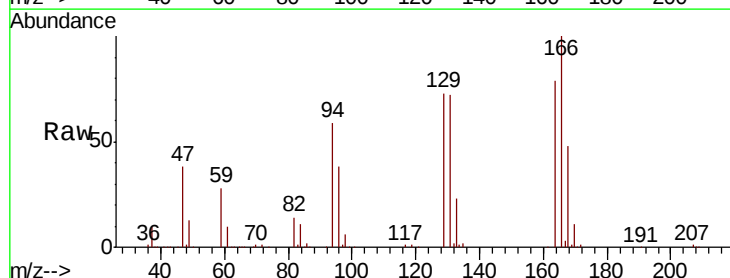


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

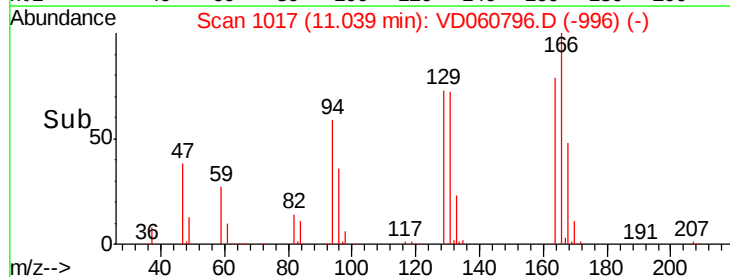
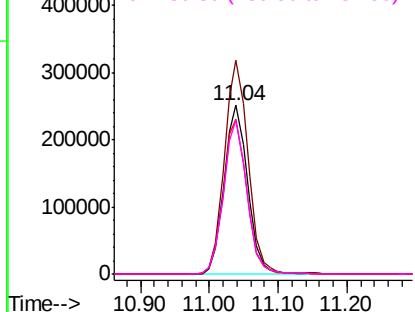


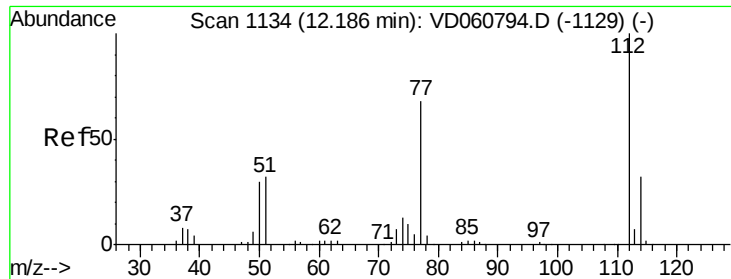
#64
Tetrachloroethene
Concen: 92.179 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:164 Resp: 593989
Ion Ratio Lower Upper
164 100
166 126.8 102.6 154.0
129 92.2 72.3 108.5
131 91.1 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

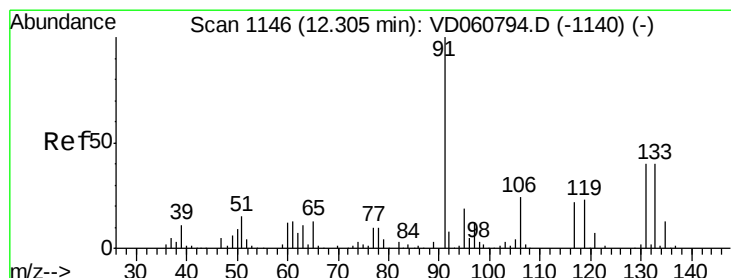
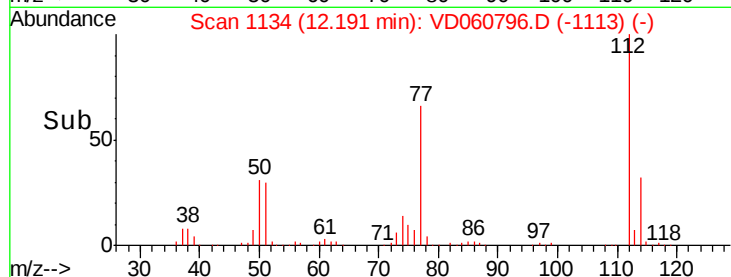
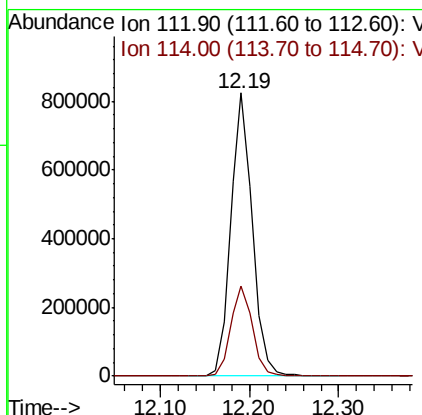
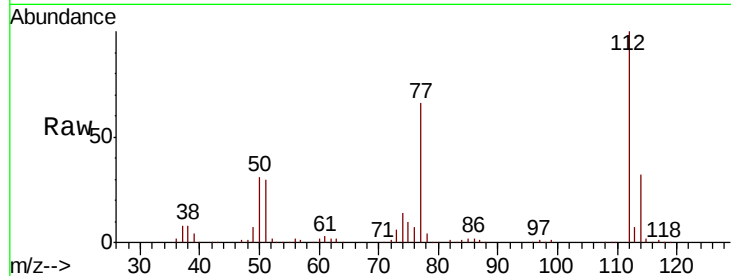




#65
Chlorobenzene
Concen: 92.038 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

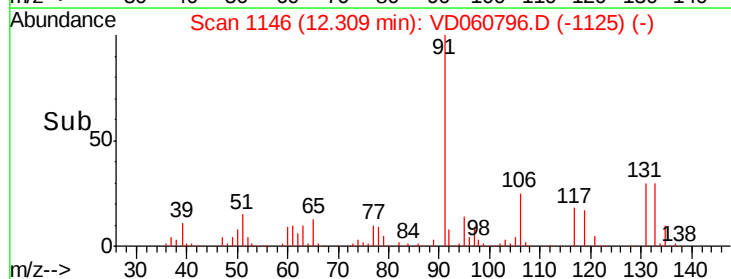
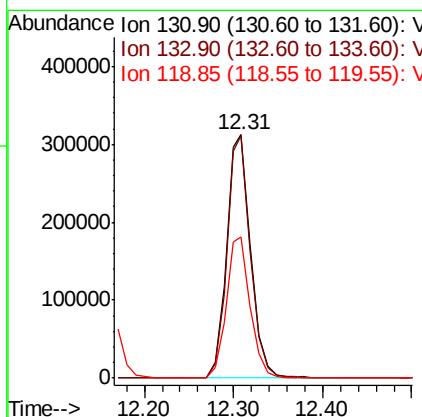
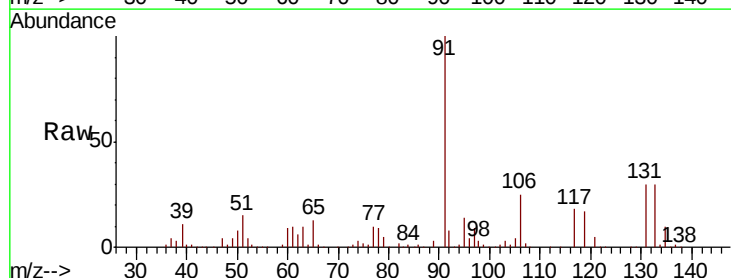
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

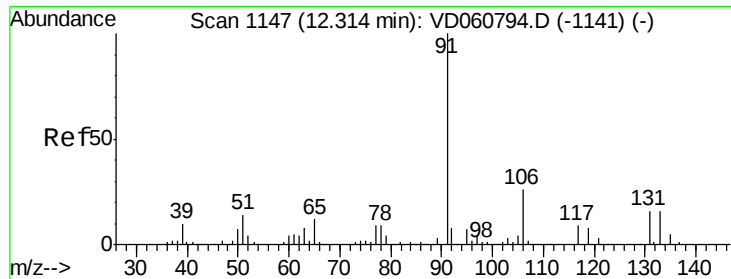
Tgt Ion:112 Resp: 1401050
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 91.294 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:131 Resp: 592299
Ion Ratio Lower Upper
131 100
133 99.3 49.9 149.7
119 57.9 28.5 85.5

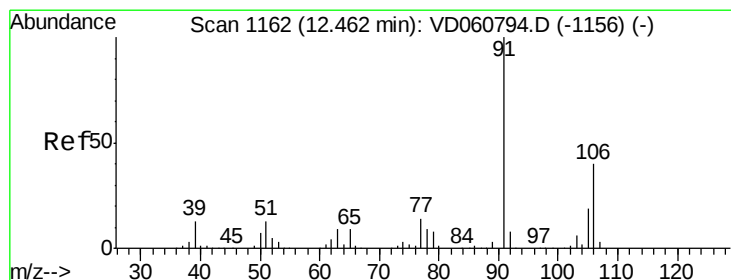
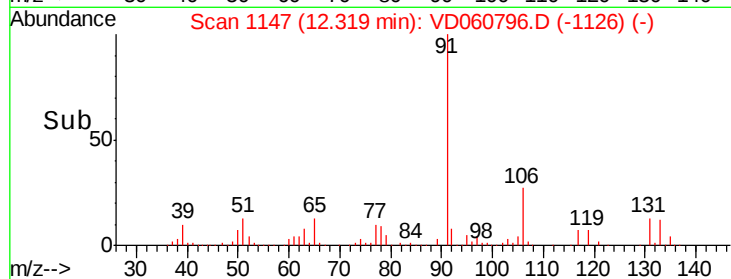
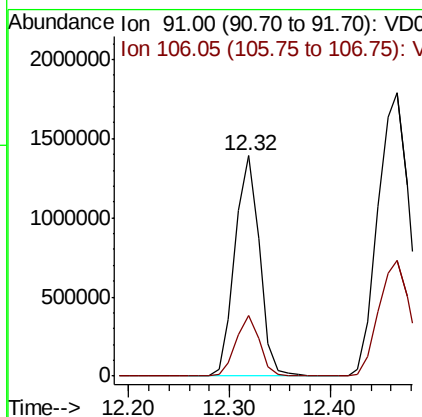
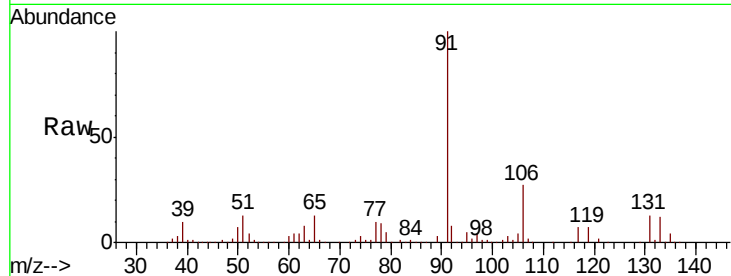




#67
Ethyl Benzene
Concen: 86.605 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

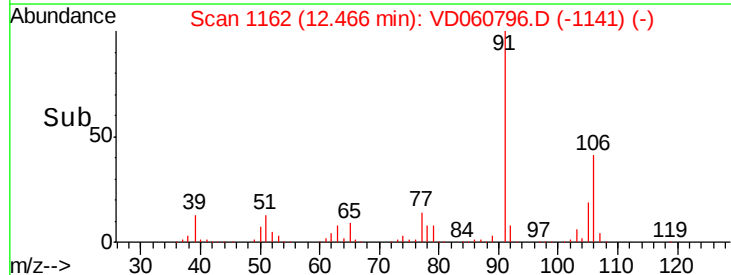
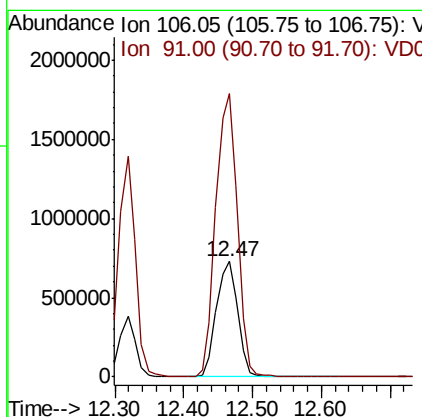
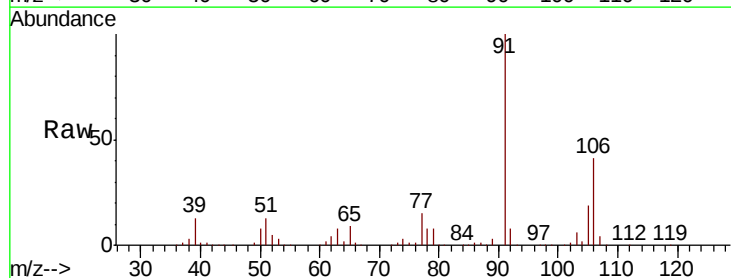
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

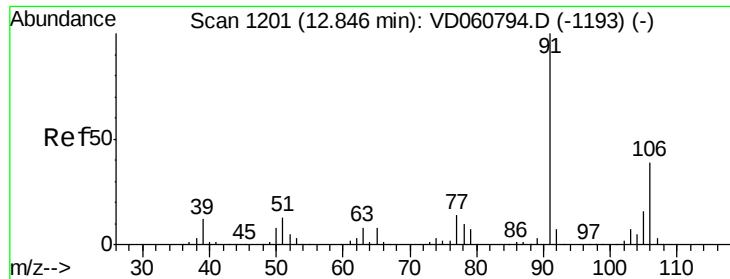
Tgt Ion: 91 Resp: 2359023
Ion Ratio Lower Upper
91 100
106 27.3 21.0 31.6



#68
m/p-Xylenes
Concen: 169.187 ug/l
RT: 12.47 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 106 Resp: 1556776
Ion Ratio Lower Upper
106 100
91 245.4 200.5 300.7

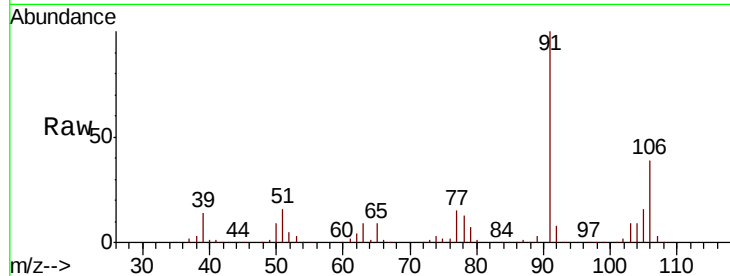




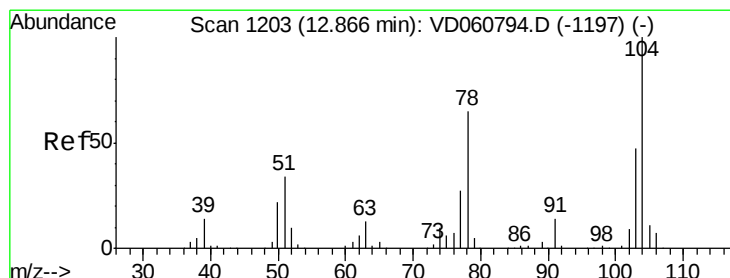
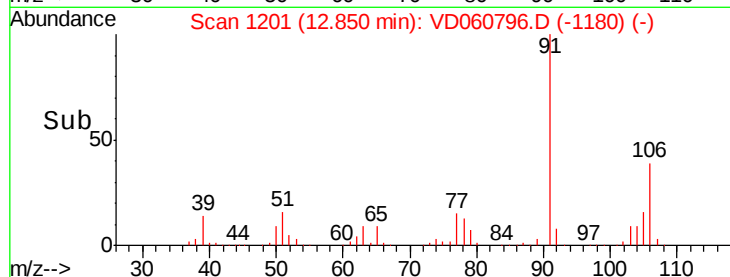
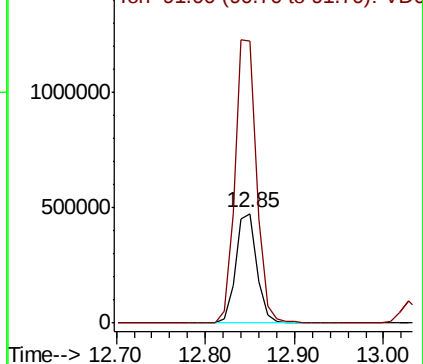
#69
o-Xylene
Concen: 91.584 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 796087
Ion Ratio Lower Upper
106 100
91 257.1 127.6 382.7

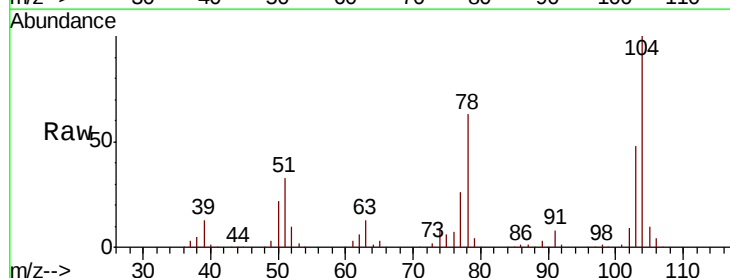


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

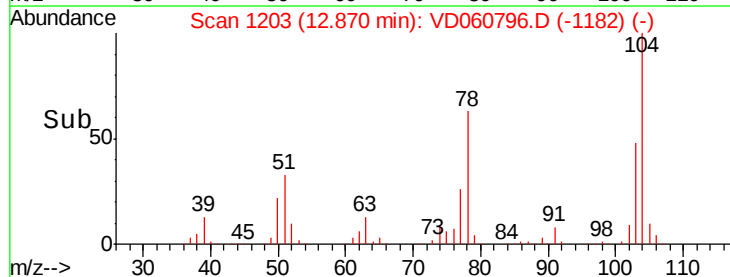
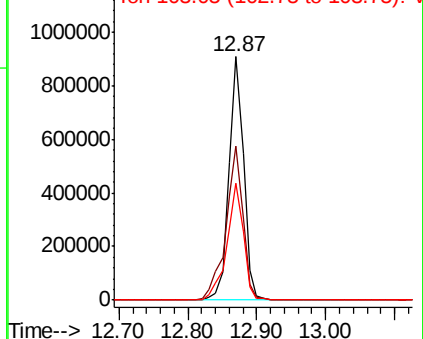


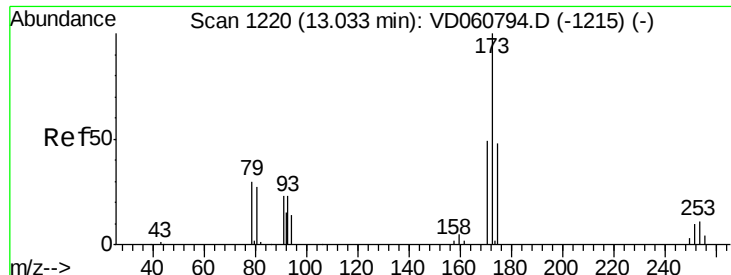
#70
Styrene
Concen: 105.004 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:104 Resp: 1338614
Ion Ratio Lower Upper
104 100
78 63.5 52.0 78.0
103 47.9 37.7 56.5



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





#71

Bromoform

Concen: 101.656 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

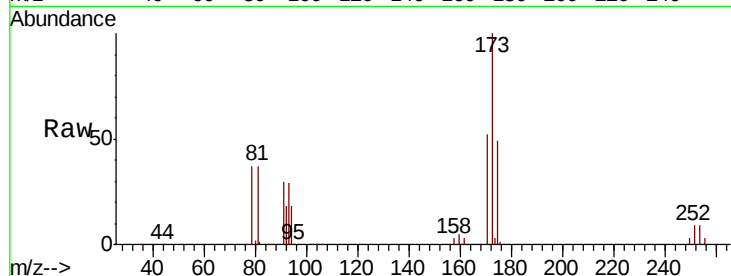
Tgt Ion:173 Resp: 508812

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

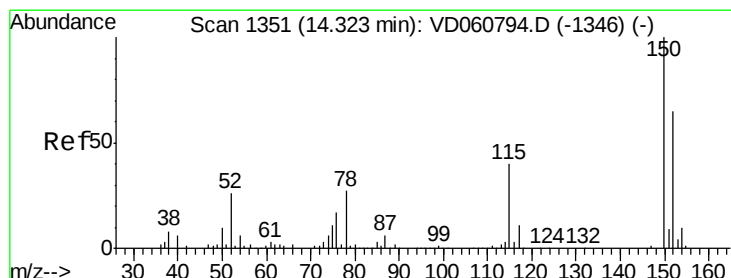
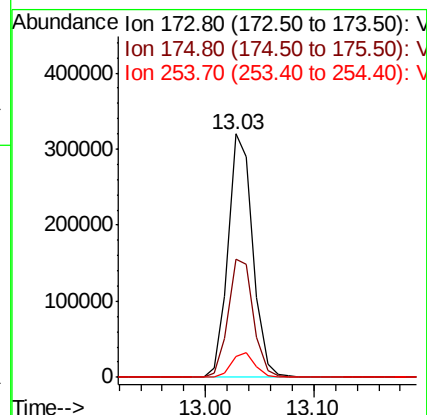
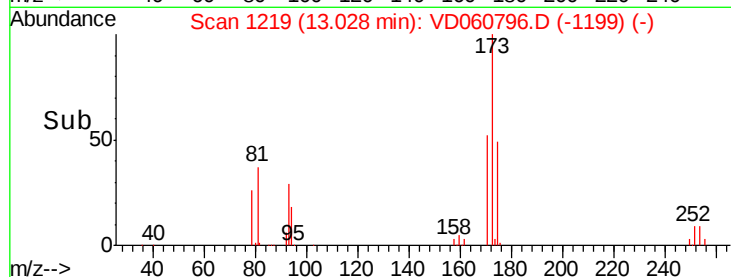
254 8.6 9.1 13.7#



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# 1350

Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

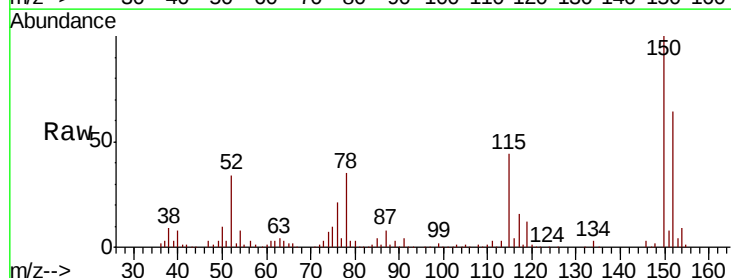
Tgt Ion:152 Resp: 340033

Ion Ratio Lower Upper

152 100

115 68.8 31.6 95.0

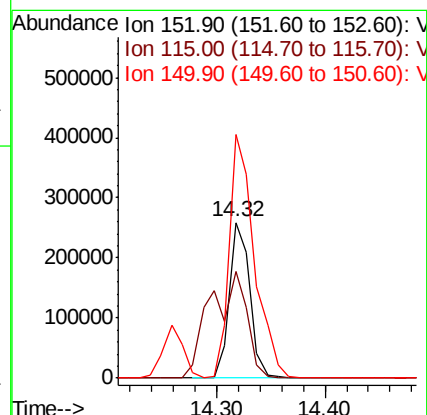
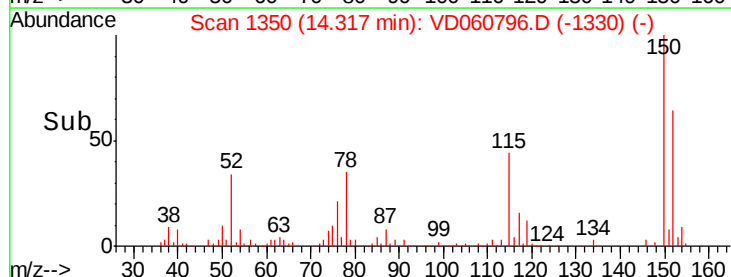
150 156.4 0.0 317.6

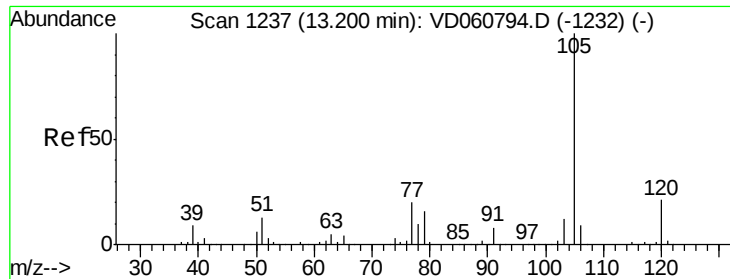


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.927 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

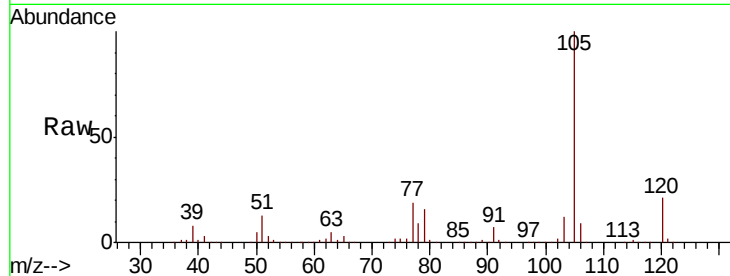
VSTDIC100

Tgt Ion:105 Resp: 2450065

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

1500000

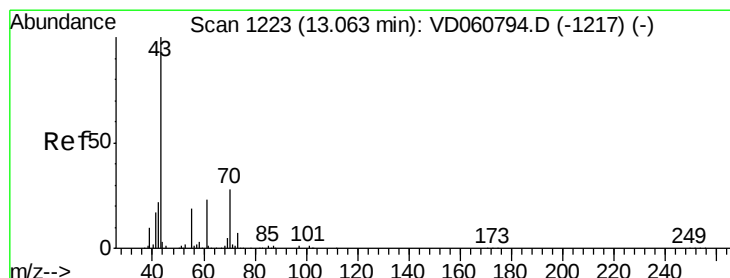
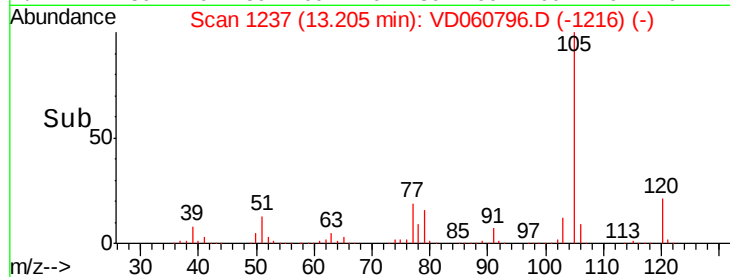
1000000

500000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 101.371 ug/l

RT: 13.07 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Tgt Ion: 43 Resp: 863108

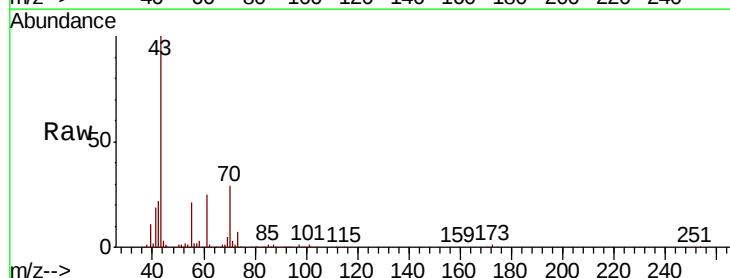
Ion Ratio Lower Upper

43 100

70 29.5 22.2 33.4

55 20.7 15.5 23.3

61 25.4 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

1000000

800000

600000

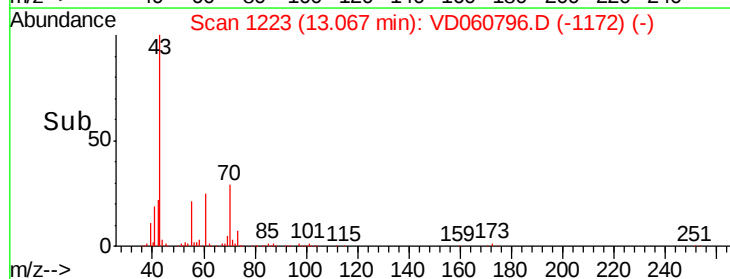
400000

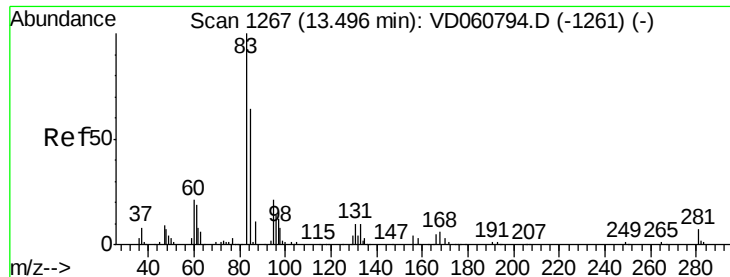
200000

0

13.00 13.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 98.000 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

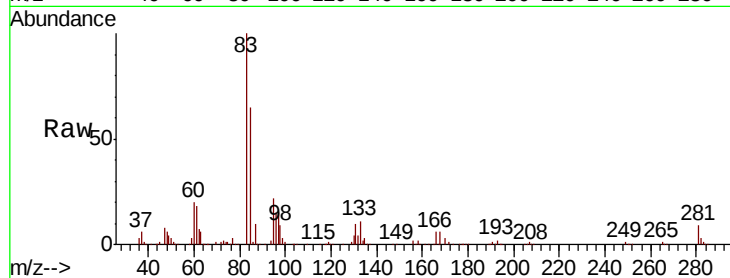
MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 489037

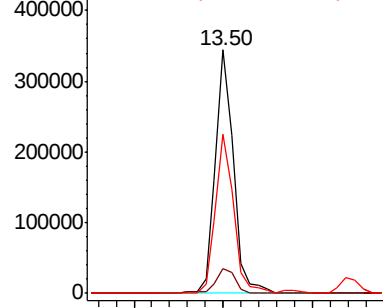
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	65.5	31.8	95.4



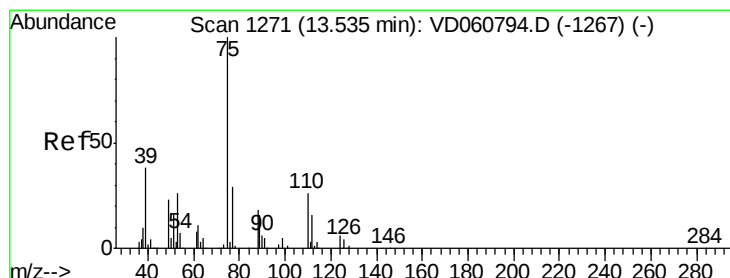
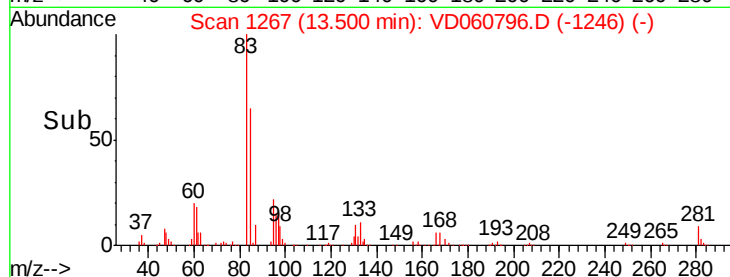
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 107.516 ug/l

RT: 13.53 min Scan# 1270

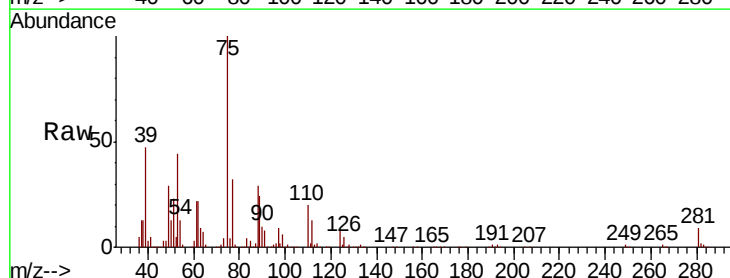
Delta R.T. -0.01 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

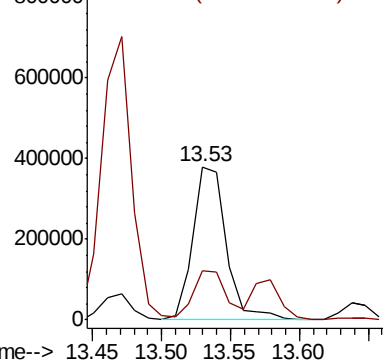
Tgt Ion: 75 Resp: 636773

Ion	Ratio	Lower	Upper
75	100		
77	32.3	15.9	47.7

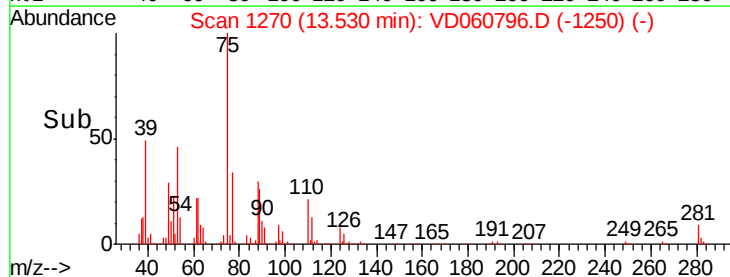


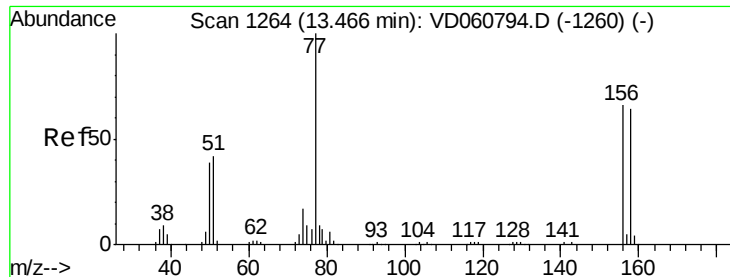
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->





#77

Bromobenzene

Concen: 100.117 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

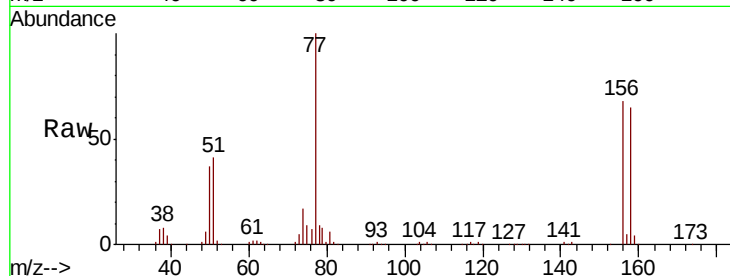
Tgt Ion:156 Resp: 683832

Ion Ratio Lower Upper

156 100

77 148.0 76.0 228.0

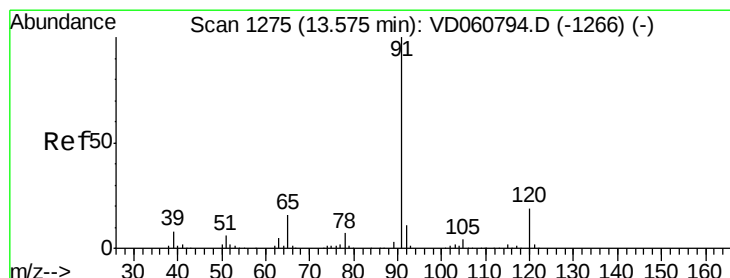
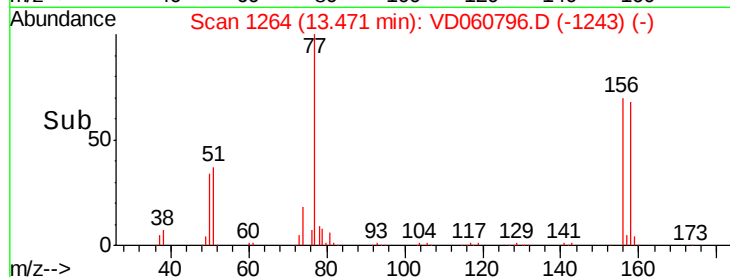
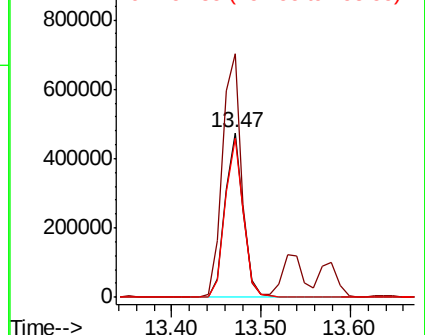
158 96.4 48.4 145.0



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: 97.361 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060796.D

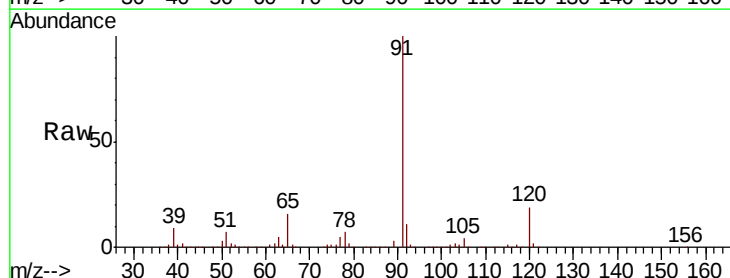
Acq: 28 Jan 2019 17:35

Tgt Ion: 91 Resp: 3187671

Ion Ratio Lower Upper

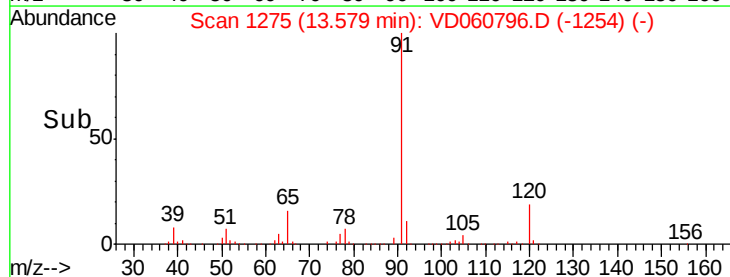
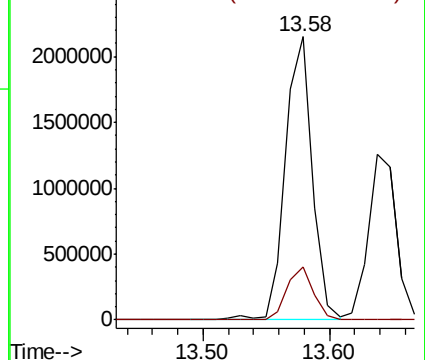
91 100

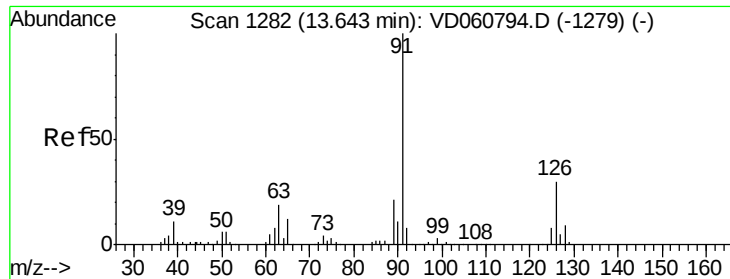
120 18.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

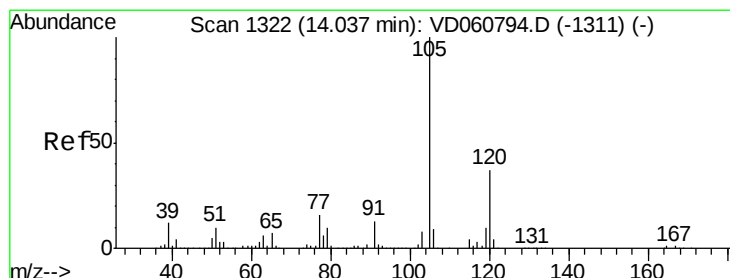
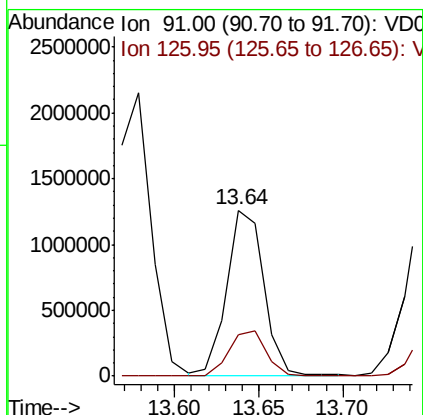
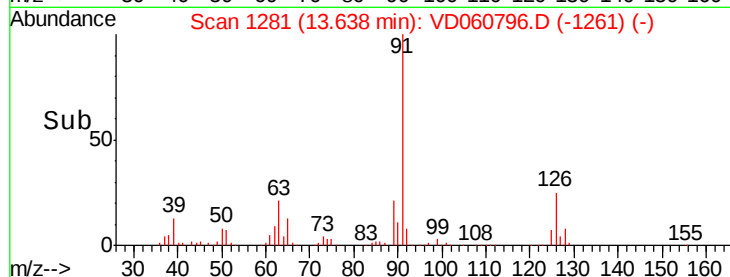
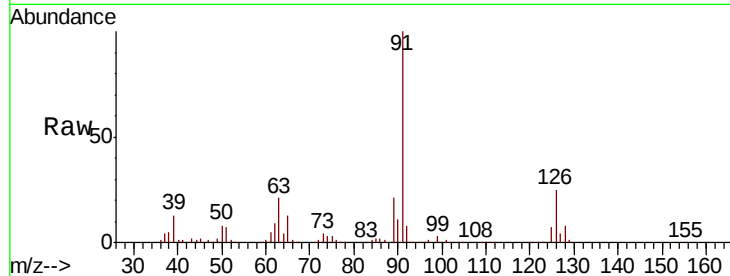




#79
 2-Chlorotoluene
 Concen: 99.601 ug/l
 RT: 13.64 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

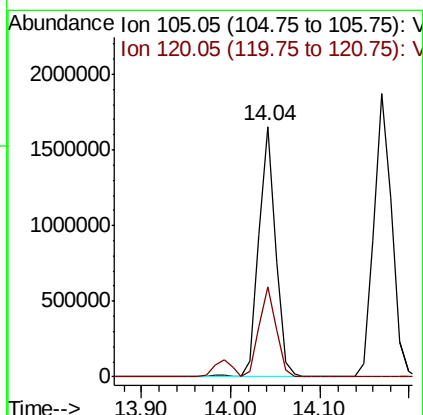
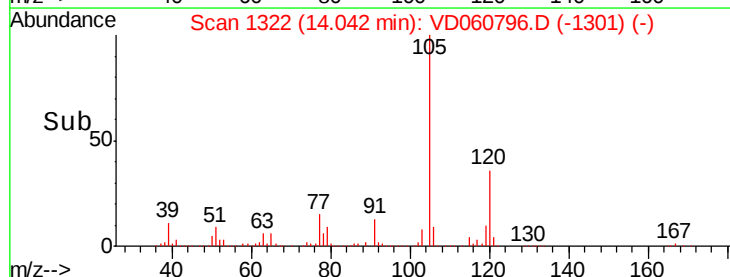
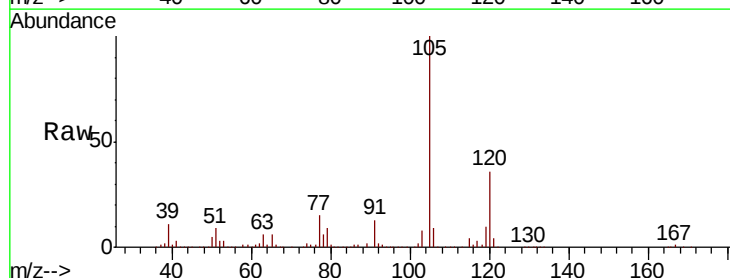
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

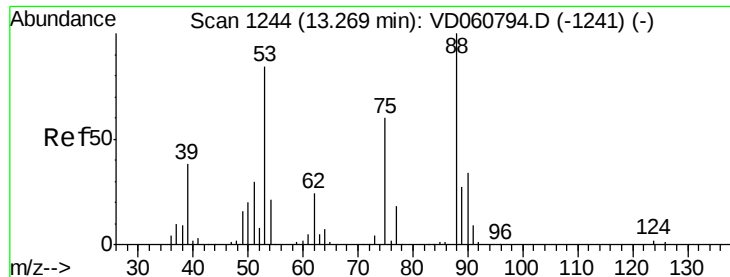
Tgt Ion: 91 Resp: 1929676
 Ion Ratio Lower Upper
 91 100
 126 25.2 14.7 44.1



#80
 1,3,5-Trimethylbenzene
 Concen: 96.686 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 105 Resp: 2140235
 Ion Ratio Lower Upper
 105 100
 120 36.2 18.4 55.2





#81

trans-1,4-Dichloro-2-butene

Concen: 101.803 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060796.D

Acq: 28 Jan 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

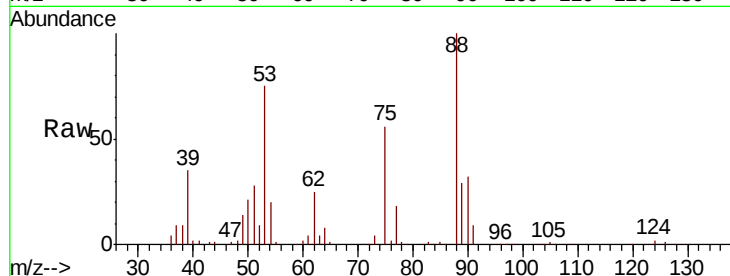
Tgt Ion: 75 Resp: 164814

Ion Ratio Lower Upper

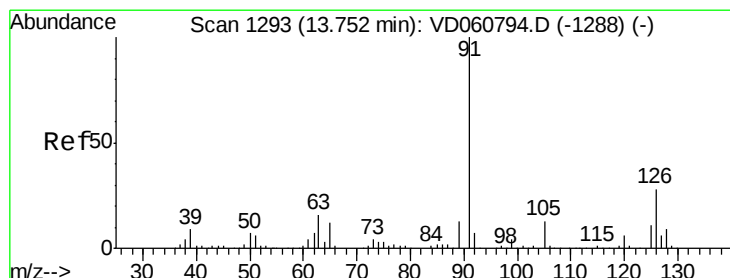
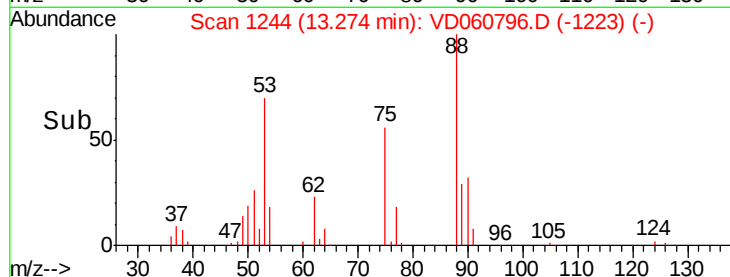
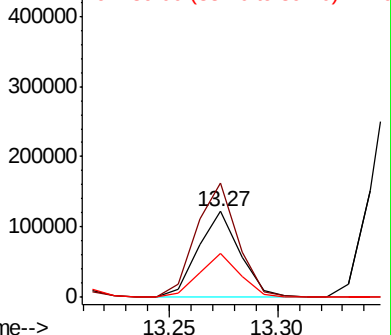
75 100

53 132.6 111.6 167.4

89 51.2 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: 90.894 ug/l

RT: 13.75 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VD060796.D

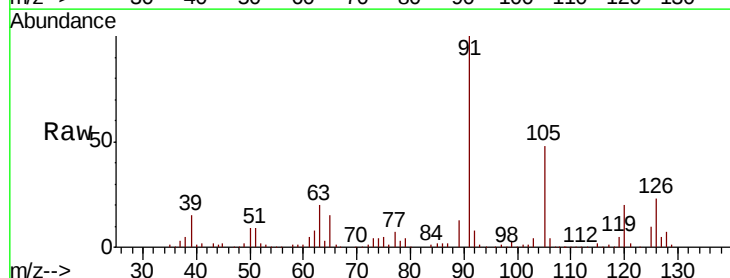
Acq: 28 Jan 2019 17:35

Tgt Ion: 91 Resp: 2104553

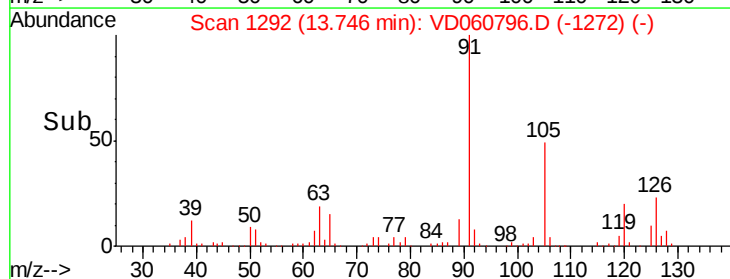
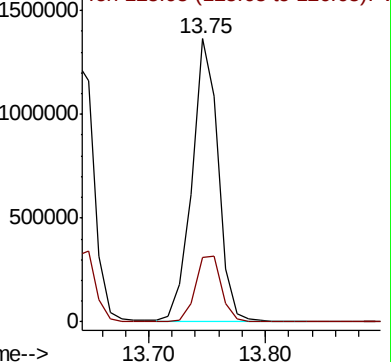
Ion Ratio Lower Upper

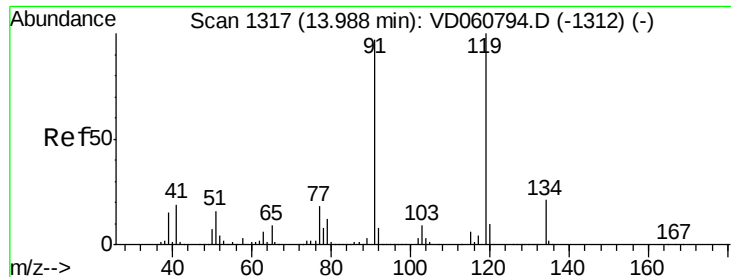
91 100

126 23.0 13.9 41.7



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

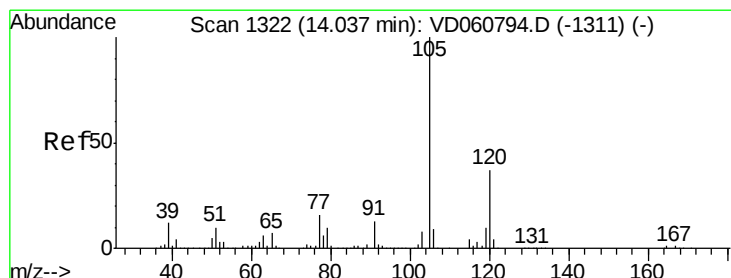
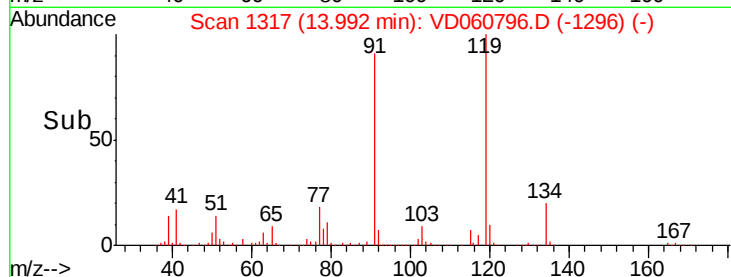
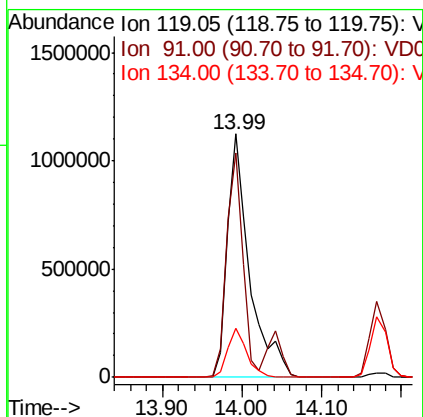
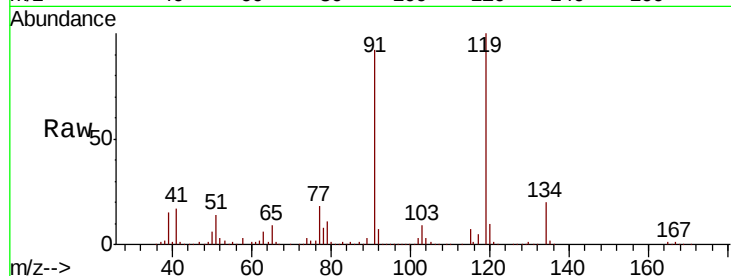




#83
 tert-Butylbenzene
 Concen: 92.905 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

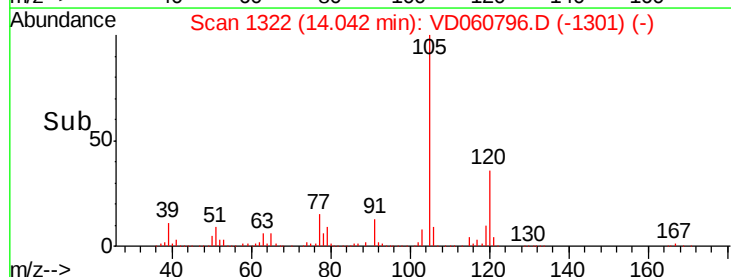
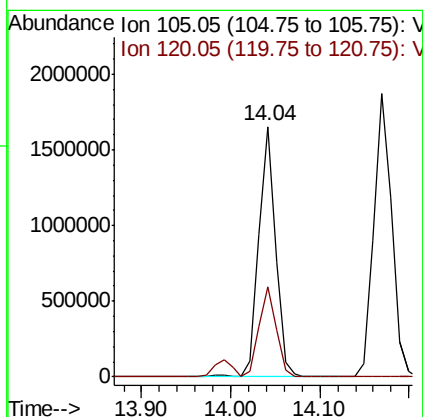
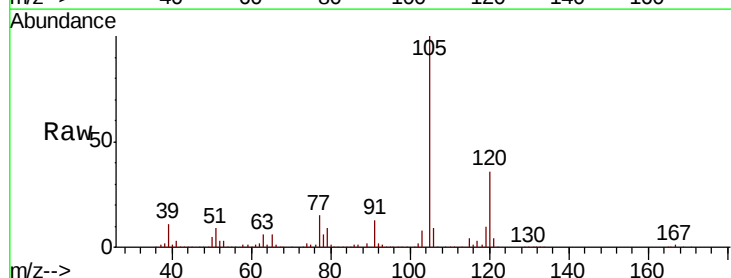
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

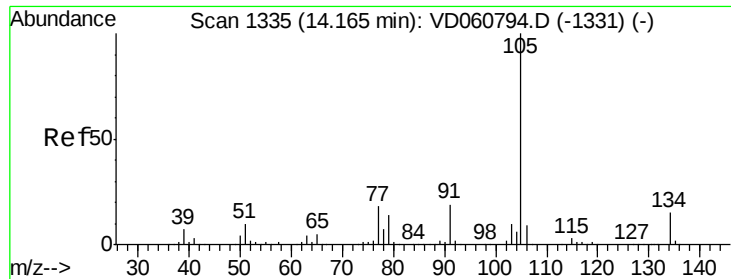
Tgt Ion:119 Resp: 2197159
 Ion Ratio Lower Upper
 119 100
 91 92.1 48.5 145.5
 134 20.3 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 96.686 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion:105 Resp: 2140235
 Ion Ratio Lower Upper
 105 100
 120 36.2 18.4 55.2

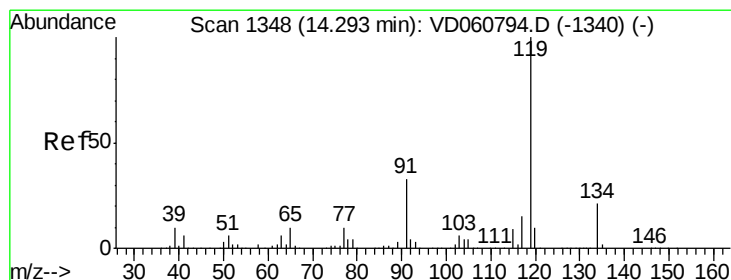
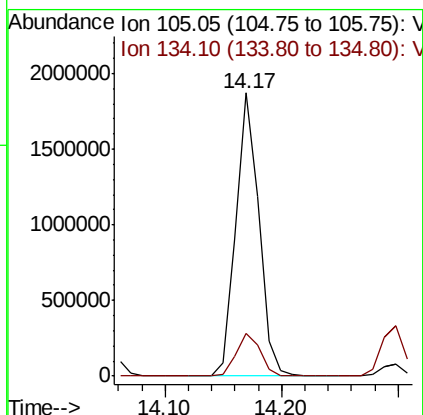
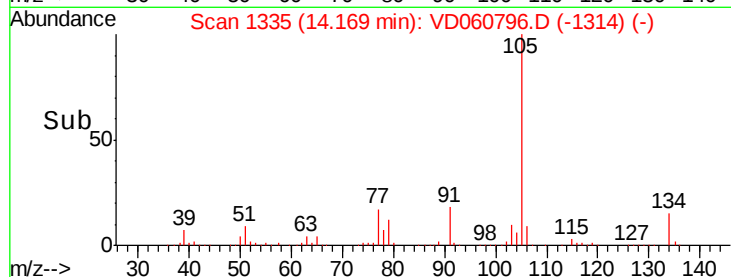
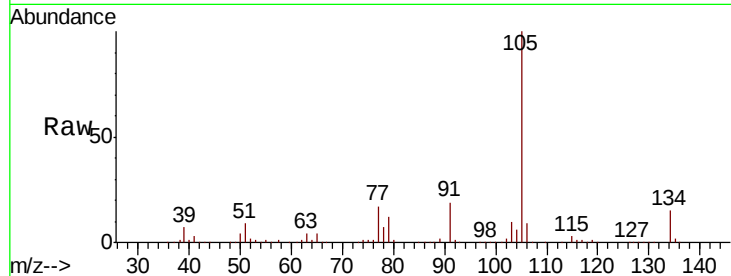




#85
 sec-Butylbenzene
 Concen: 95.714 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

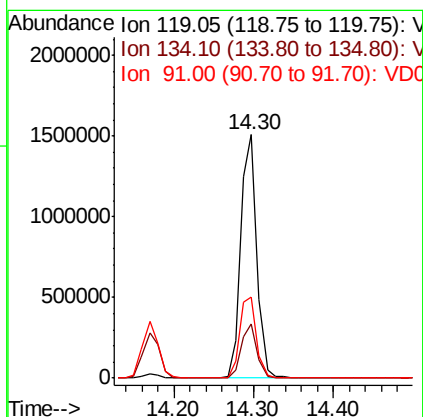
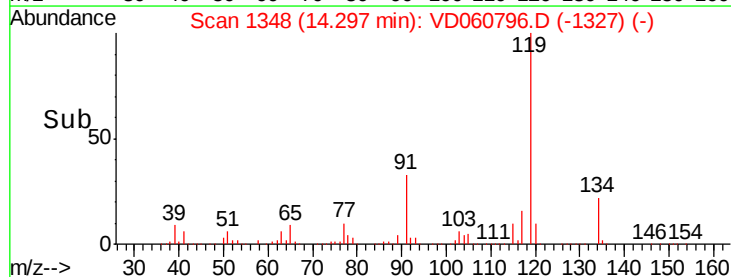
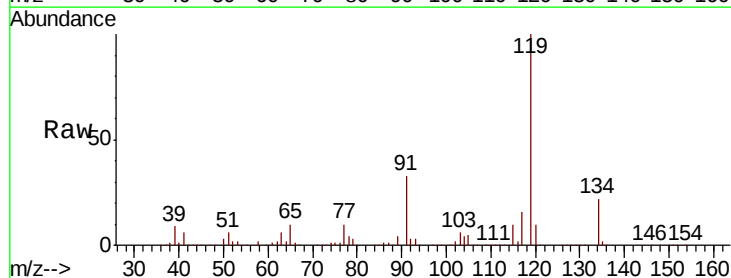
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

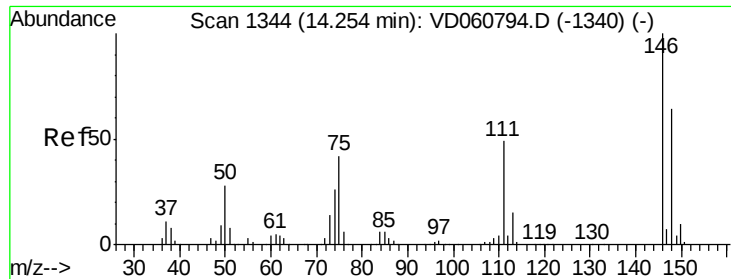
Tgt Ion:105 Resp: 2561538
 Ion Ratio Lower Upper
 105 100
 134 15.1 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 92.148 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion:119 Resp: 2103266
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.8 32.3
 91 33.3 16.7 50.0

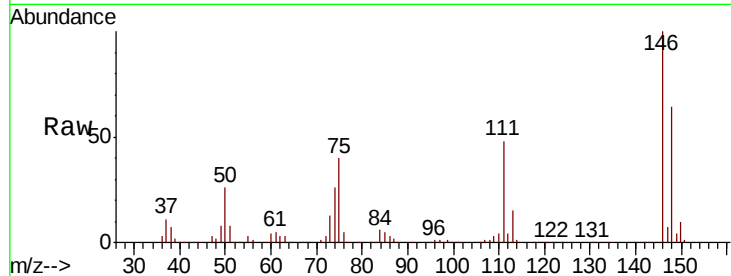




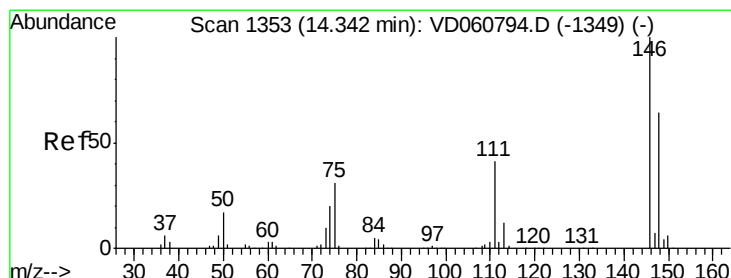
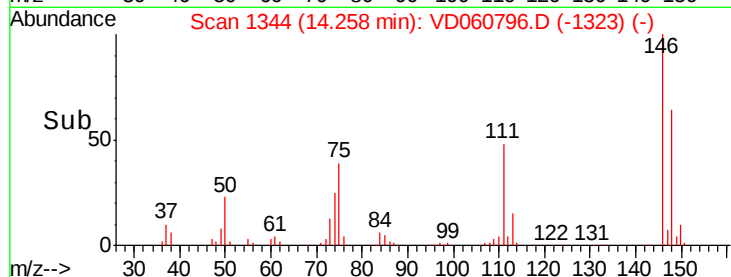
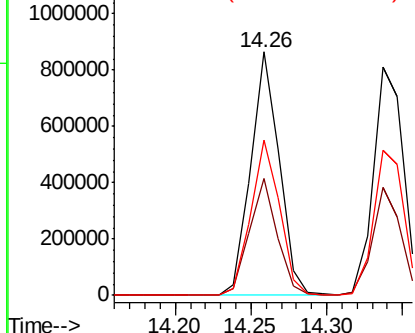
#87
 1,3-Dichlorobenzene
 Concen: 93.889 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1137052
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.3 73.0
 148 63.6 32.1 96.5

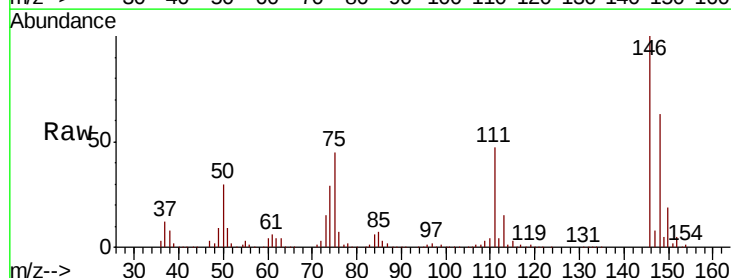


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

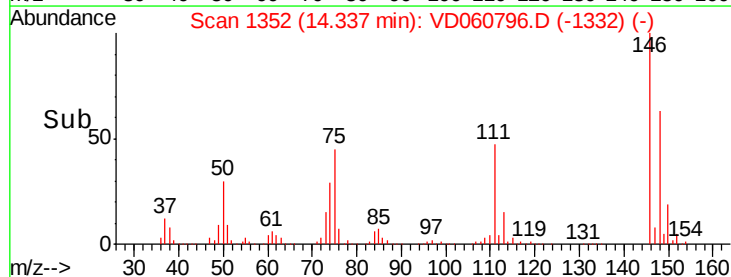
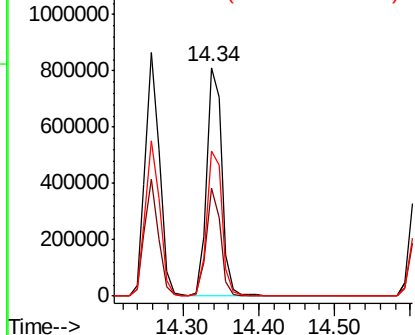


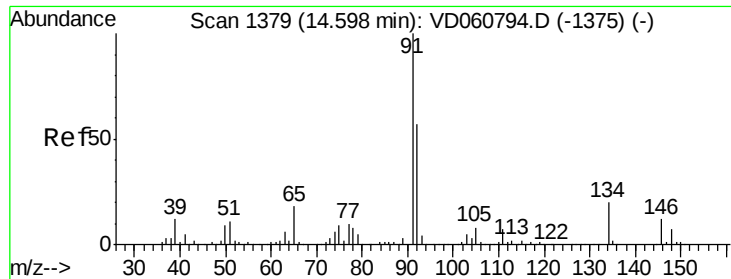
#88
 1,4-Dichlorobenzene
 Concen: 93.756 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion:146 Resp: 1142399
 Ion Ratio Lower Upper
 146 100
 111 46.9 20.6 61.8
 148 63.5 31.9 95.7



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

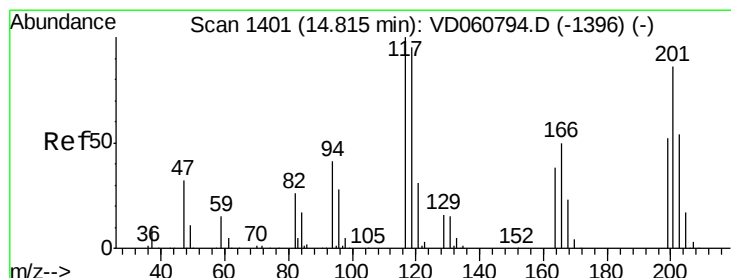
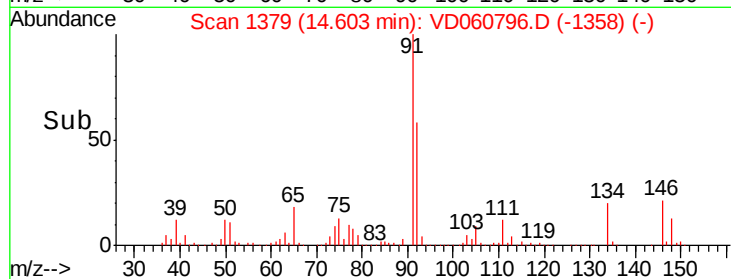
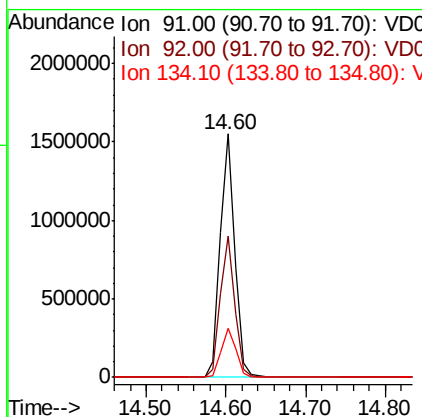
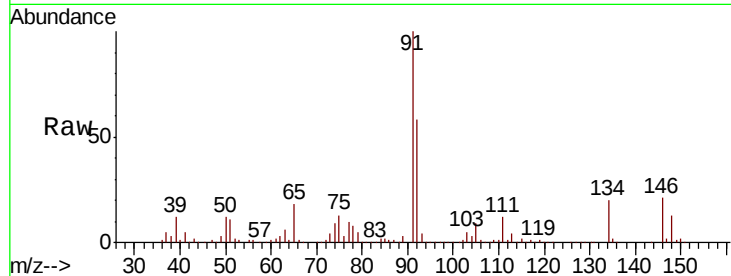




#89
n-Butylbenzene
Concen: 88.374 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

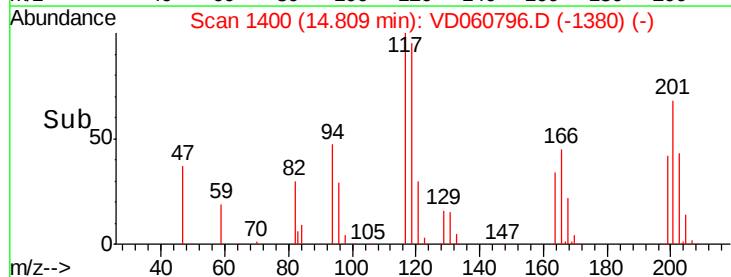
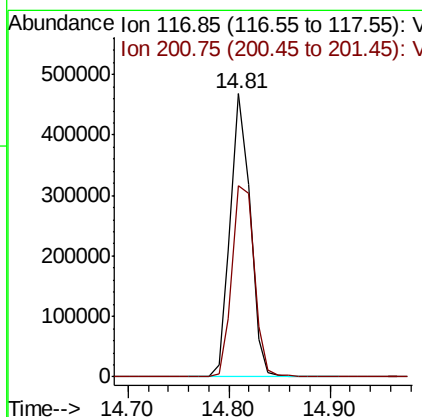
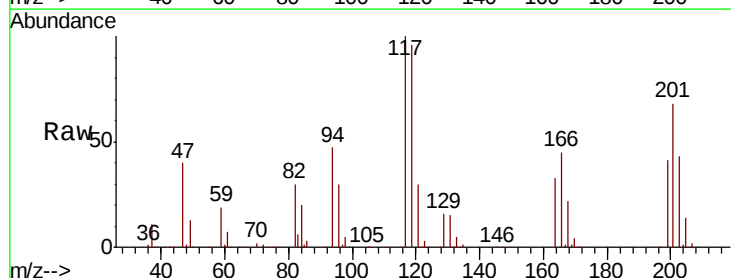
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

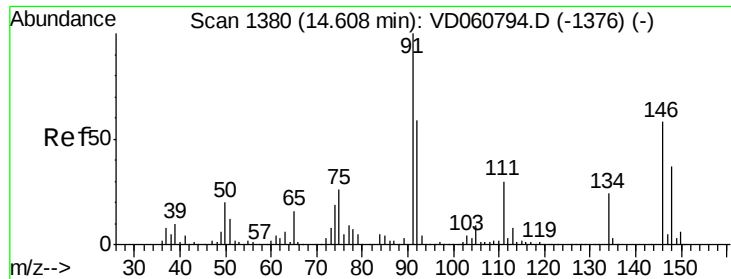
Tgt Ion: 91 Resp: 2015726
Ion Ratio Lower Upper
91 100
92 58.1 28.5 85.5
134 20.4 10.0 29.8



#90
Hexachloroethane
Concen: 102.158 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion: 117 Resp: 646974
Ion Ratio Lower Upper
117 100
201 67.6 43.0 128.8

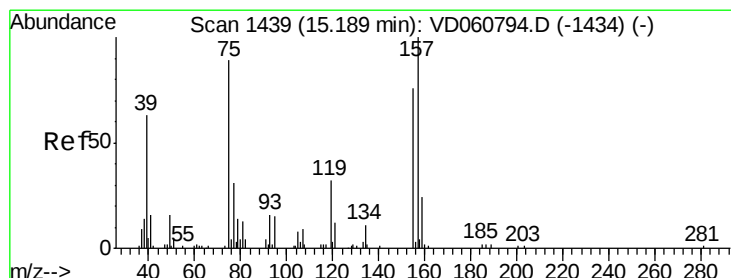
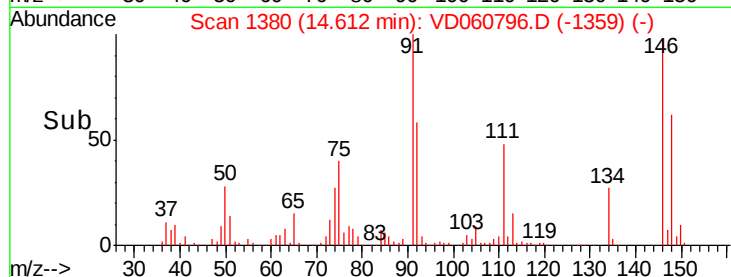
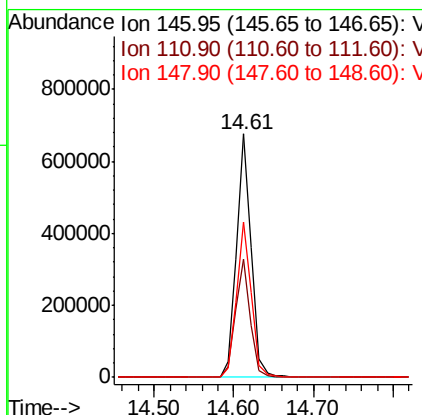
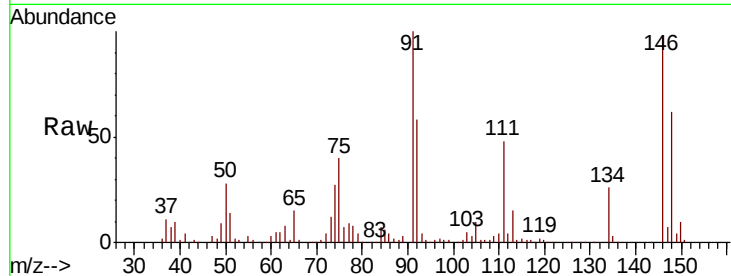




#91
 1,2-Dichlorobenzene
 Concen: 102.934 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

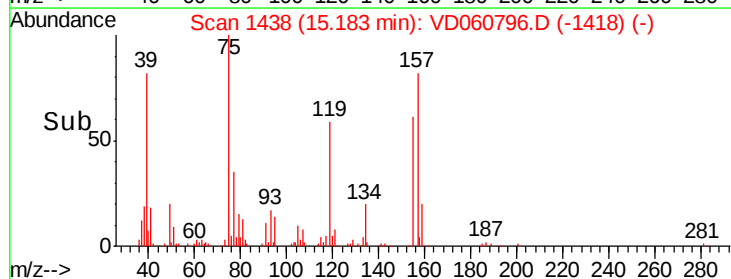
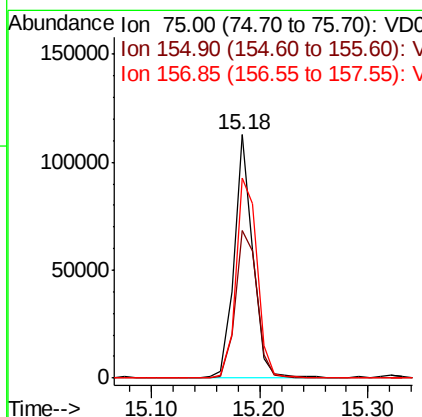
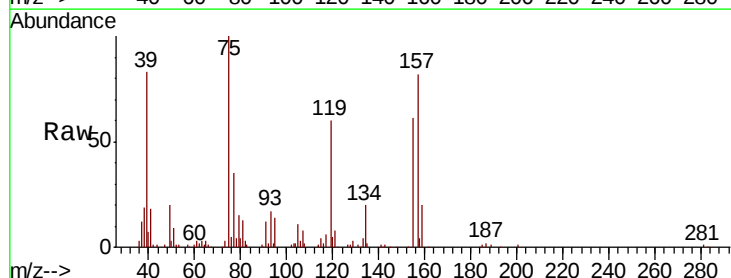
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

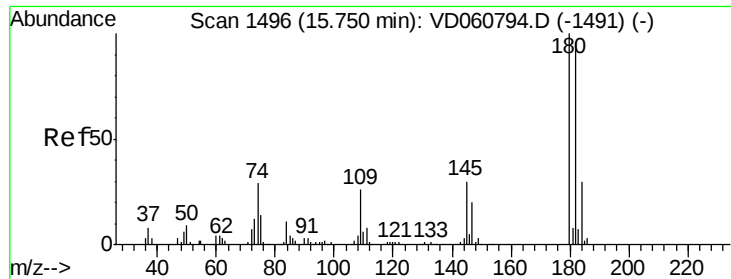
Tgt Ion:146 Resp: 885923
 Ion Ratio Lower Upper
 146 100
 111 48.7 25.6 76.8
 148 63.8 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 121.456 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion: 75 Resp: 136462
 Ion Ratio Lower Upper
 75 100
 155 60.6 43.0 129.0
 157 82.2 56.3 168.9

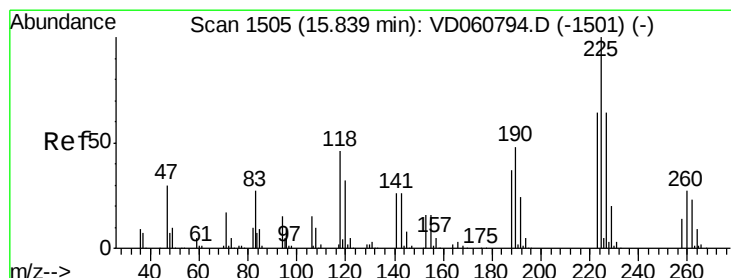
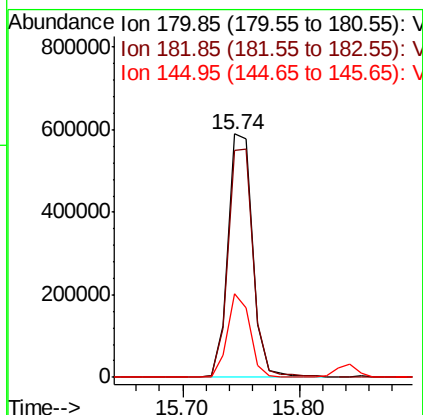
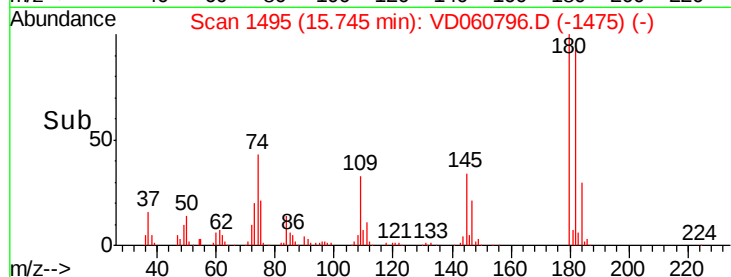
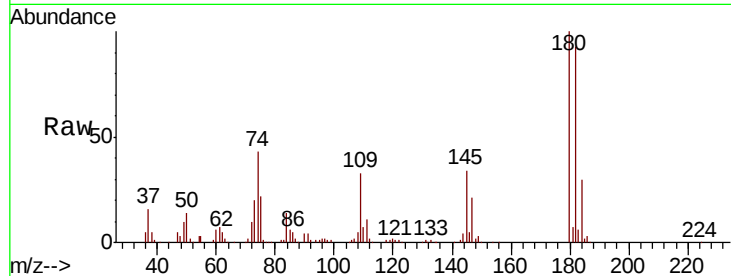




#93
 1,2,4-Trichlorobenzene
 Concen: 95.009 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

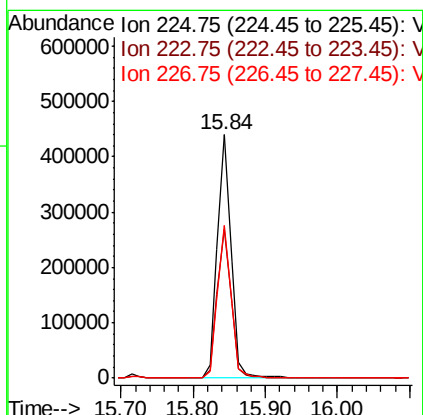
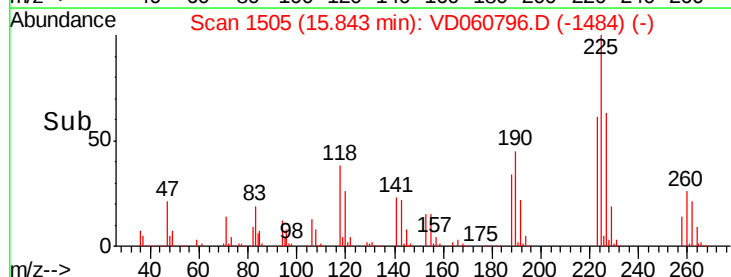
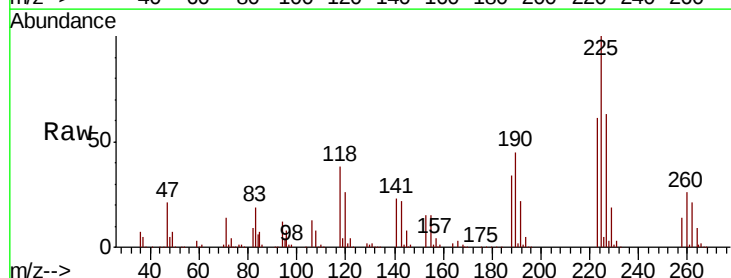
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

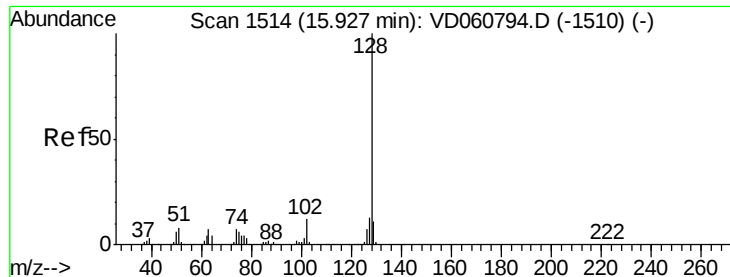
Tgt Ion:180 Resp: 869153
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.9 143.7
 145 34.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 84.631 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060796.D
 Acq: 28 Jan 2019 17:35

Tgt Ion:225 Resp: 571753
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.8 95.4
 227 62.6 31.9 95.5

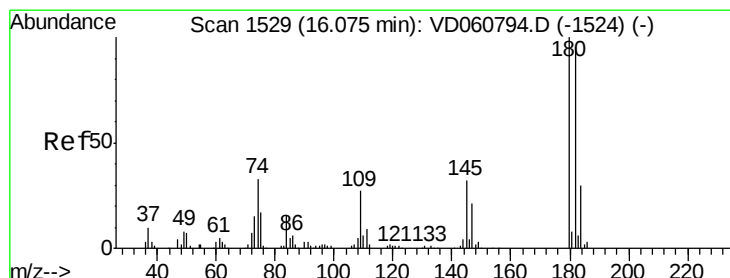
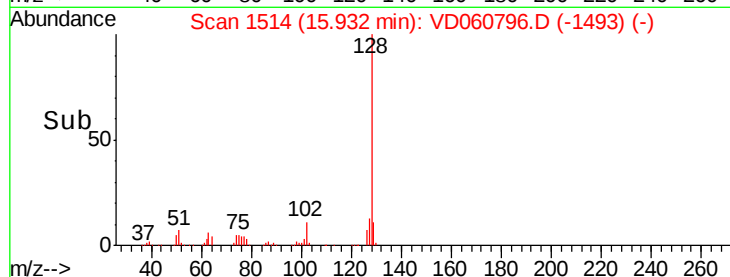
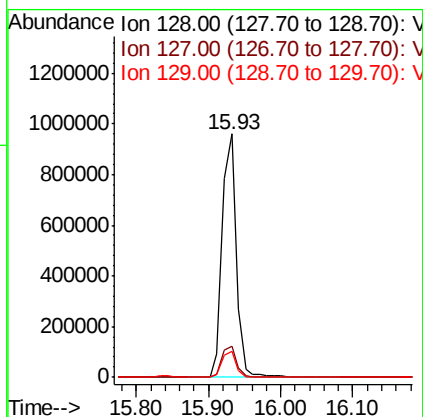
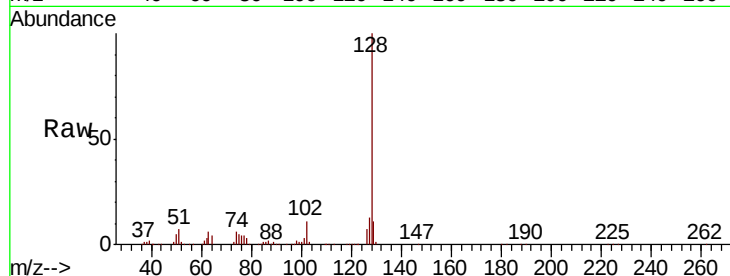




#95
Naphthalene
Concen: 92.813 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1300806
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 91.823 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060796.D
Acq: 28 Jan 2019 17:35

Tgt Ion:180 Resp: 714015
Ion Ratio Lower Upper
180 100
182 96.8 47.4 142.3
145 31.7 15.8 47.4

