

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059628.D
 Acq On : 30 Jul 2018 19:42
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 05:02:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	139465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	179443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	147907	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	74030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	95857	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	5.51	113	81624	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	8.69	98	172661	49.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.91	95	81001	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	46265	27.44	ug/l	100
3) Chloromethane	1.46	50	18590	21.33	ug/l	98
4) Vinyl Chloride	1.54	62	20358	22.44	ug/l	97
5) Bromomethane	1.75	94	4275	24.57	ug/l	93
6) Chloroethane	1.84	64	6311	23.78	ug/l	98
7) Trichlorofluoromethane	2.04	101	41258	26.66	ug/l	92
8) Diethyl Ether	2.31	74	6186	22.80	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.52	101	21204	26.00	ug/l	91
10) Methyl Iodide	2.66	142	23260	23.00	ug/l	95
11) Tert butyl alcohol	3.25	59	8280	118.38	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	14905	25.22	ug/l	97
13) Acrolein	2.44	56	3945	109.47	ug/l	87
14) Allyl chloride	2.88	41	33325	23.25	ug/l	98
15) Acrylonitrile	3.33	53	19550	128.87	ug/l	93
16) Acetone	2.59	43	30719	116.02	ug/l	98
17) Carbon Disulfide	2.72	76	50080	21.33	ug/l	99
18) Methyl Acetate	2.90	43	11873	22.42	ug/l #	92
19) Methyl tert-butyl Ether	3.38	73	61026	30.80	ug/l	100
20) Methylene Chloride	3.03	84	19449	25.76	ug/l	90
21) trans-1,2-Dichloroethene	3.35	96	18625	29.22	ug/l	96
22) Diisopropyl ether	4.04	45	82948	22.01	ug/l #	92
23) Vinyl Acetate	3.98	43	270341	113.03	ug/l	99
24) 1,1-Dichloroethane	3.93	63	54488	22.90	ug/l	100
25) 2-Butanone	4.80	43	41484	102.74	ug/l	98
26) 2,2-Dichloropropane	4.75	77	53408	21.92	ug/l	94
27) cis-1,2-Dichloroethene	4.76	96	29485	23.16	ug/l	90
28) Bromochloromethane	5.11	49	21571	22.92	ug/l	100
29) Tetrahydrofuran	5.16	42	18677	99.90	ug/l	97
30) Chloroform	5.28	83	68179	23.96	ug/l	93
31) Cyclohexane	5.55	56	36375	20.55	ug/l	89
32) 1,1,1-Trichloroethane	5.47	97	64023	23.24	ug/l	97
36) 1,1-Dichloropropene	5.71	75	41740	23.18	ug/l	98
37) Ethyl Acetate	4.89	43	22672	24.48	ug/l #	96
38) Carbon Tetrachloride	5.69	117	53299	21.62	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	37583	22.70	ug/l	94
40) Benzene	5.98	78	84038	22.76	ug/l	100
41) Methacrylonitrile	5.09	41	10230	22.13	ug/l	94
42) 1,2-Dichloroethane	6.09	62	52066	23.40	ug/l	98
43) Isopropyl Acetate	7.59	43	27200	21.18	ug/l	100
44) Trichloroethene	6.96	130	31536	23.55	ug/l	88
45) 1,2-Dichloropropane	7.32	63	21239	20.54	ug/l	98
46) Dibromomethane	7.43	93	20544	23.50	ug/l	90
47) Bromodichloromethane	7.71	83	49754	23.83	ug/l	99
48) Methyl methacrylate	7.48	41	19209	22.55	ug/l	95
49) 1,4-Dioxane	7.47	88	2851	372.06	ug/l #	76
51) 4-Methyl-2-Pentanone	8.57	43	89612	104.48	ug/l	98
52) Toluene	8.78	92	55553	22.69	ug/l	96
53) t-1,3-Dichloropropene	9.16	75	42384	22.51	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	42880	22.93	ug/l	95
55) 1,1,2-Trichloroethane	9.44	97	20020	21.76	ug/l	95
56) Ethyl methacrylate	9.29	69	22470	21.53	ug/l	95
57) 1,3-Dichloropropane	9.64	76	31970	21.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	51260	104.53	ug/l	94
59) 2-Hexanone	9.77	43	69514	102.04	ug/l	100
60) Dibromochloromethane	9.94	129	34033	22.29	ug/l	99
61) 1,2-Dibromoethane	10.08	107	24409	22.39	ug/l	88
64) Tetrachloroethene	9.49	164	29702	22.16	ug/l	97
65) Chlorobenzene	10.70	112	69178	22.82	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	32139	24.37	ug/l	97
67) Ethyl Benzene	10.84	91	123752	23.74	ug/l	99
68) m/p-Xylenes	11.00	106	76142	43.74	ug/l	96
69) o-Xylene	11.39	106	38509	22.80	ug/l	96
70) Styrene	11.42	104	63846	22.80	ug/l	96
71) Bromoform	11.59	173	23456	21.84	ug/l #	98
73) Isopropylbenzene	11.76	105	116370	22.25	ug/l	100
74) N-amyl acetate	11.63	43	37696	21.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	24076	22.55	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	26439	21.60	ug/l	100
77) Bromobenzene	12.03	156	34152	22.31	ug/l	81
78) n-propylbenzene	12.14	91	148538	23.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	85600	22.59	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	94307	22.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	6817	21.78	ug/l	97
82) 4-Chlorotoluene	12.32	91	102277	23.87	ug/l	98
83) tert-Butylbenzene	12.56	119	105560	22.71	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	100322	22.86	ug/l	97
85) sec-Butylbenzene	12.75	105	117955	22.21	ug/l	99
86) p-Isopropyltoluene	12.88	119	100336	22.41	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	58085	22.43	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	57154	22.91	ug/l	98
89) n-Butylbenzene	13.18	91	95585	22.11	ug/l	96
90) Hexachloroethane	13.39	117	26240	21.93	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	46671	21.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4481	20.82	ug/l	78

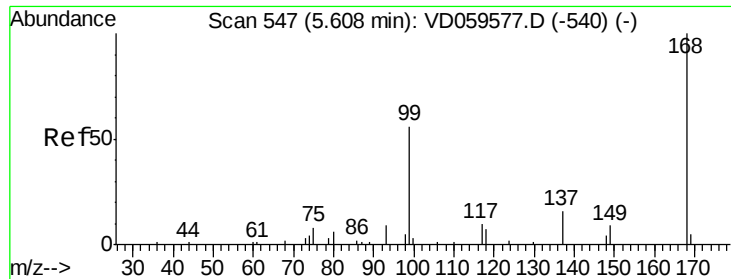
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	39551	21.98	ug/l	91
94) Hexachlorobutadiene	14.42	225	32904	23.19	ug/l	99
95) Naphthalene	14.51	128	54486	21.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	35056	21.53	ug/l	96

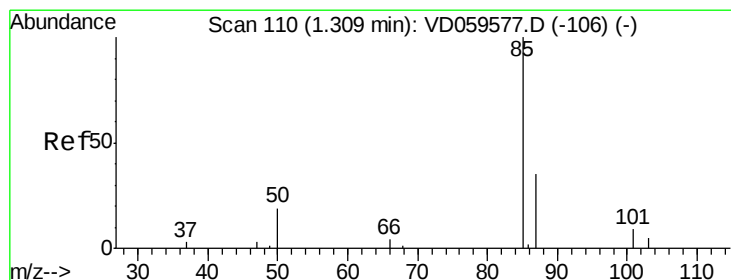
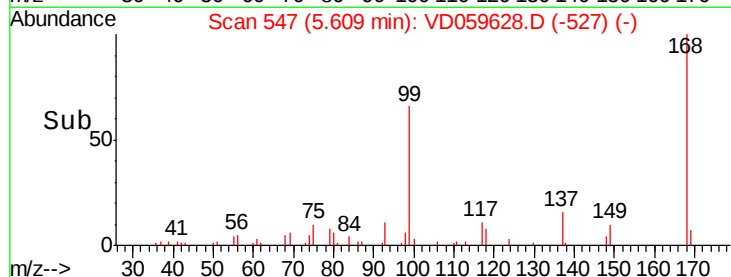
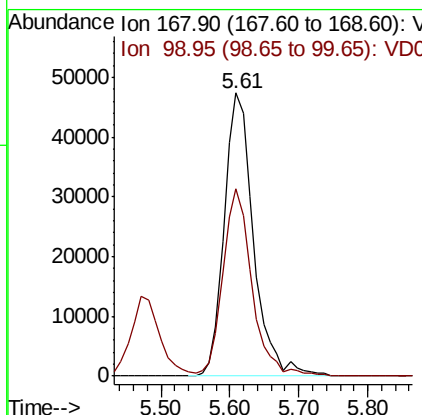
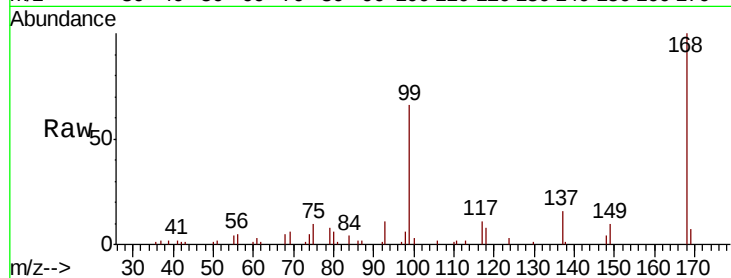
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

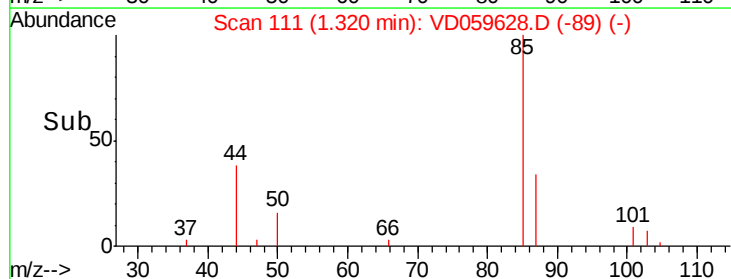
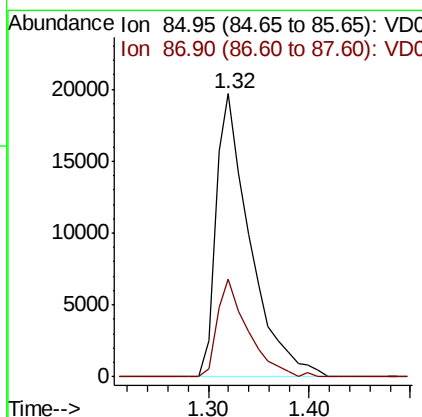
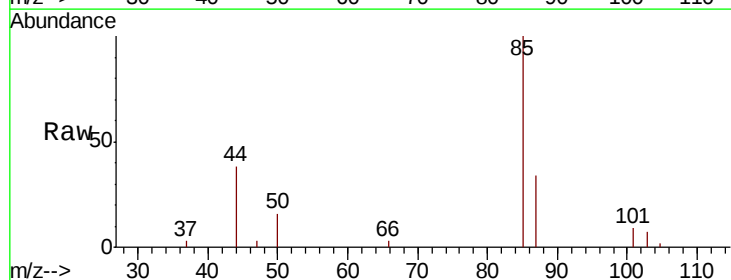
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

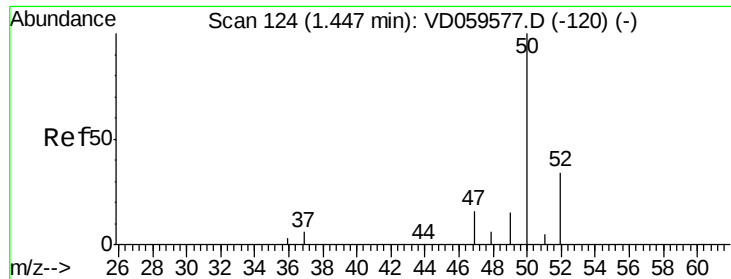
Tot Ion:168 Resp: 139465
Ion Ratio Lower Upper
168 100
99 66.2 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 27.44 ug/l
RT: 1.32 min Scan# 111
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 85 Resp: 46265
Ion Ratio Lower Upper
85 100
87 34.4 17.3 51.7





#3

Chloromethane

Concen: 21.33 ug/l

RT: 1.46 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

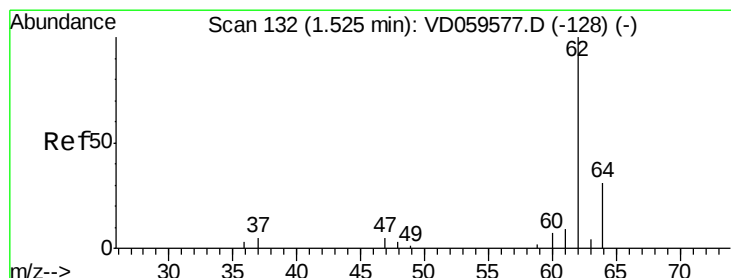
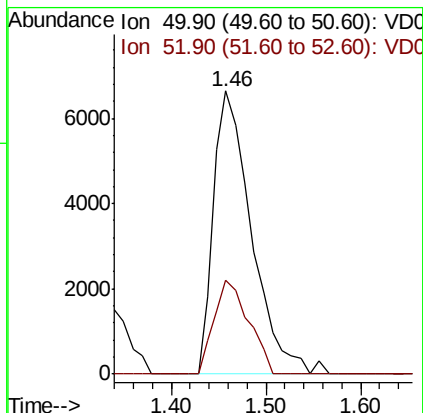
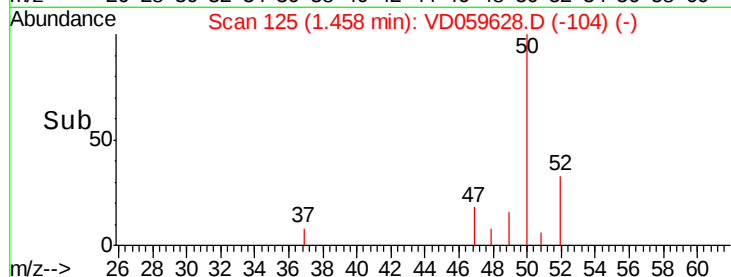
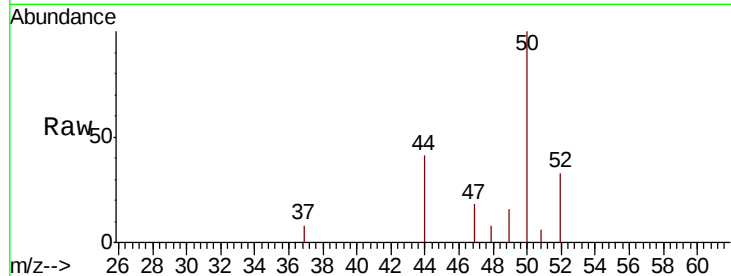
VD0730SBSD01

Tot Ion: 50 Resp: 18590

Ion Ratio Lower Upper

50 100

52 33.0 27.3 40.9



#4

Vinyl Chloride

Concen: 22.44 ug/l

RT: 1.54 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059628.D

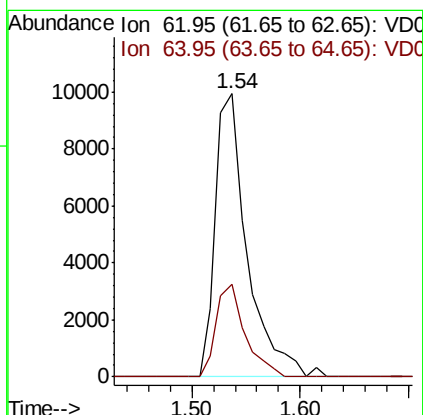
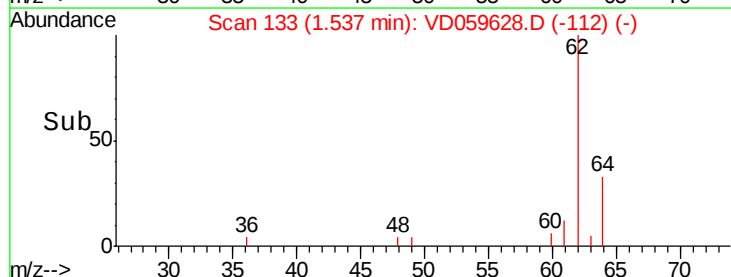
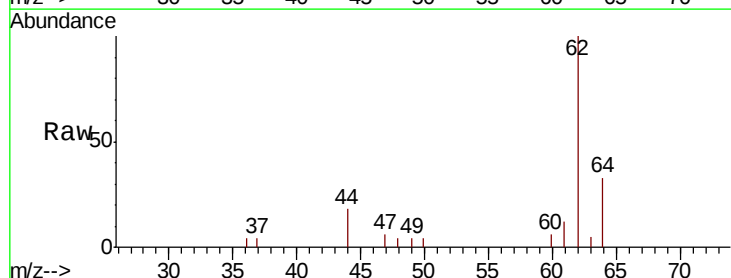
Acq: 30 Jul 2018 19:42

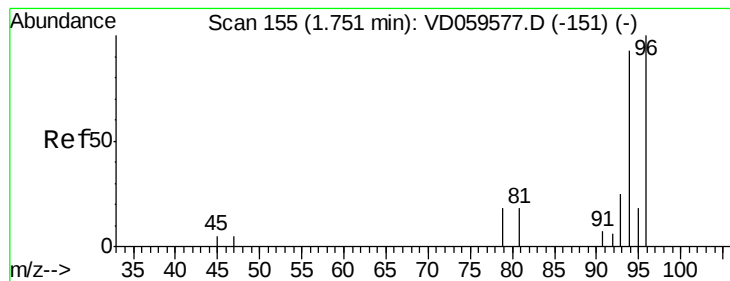
Tgt Ion: 62 Resp: 20358

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 24.57 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

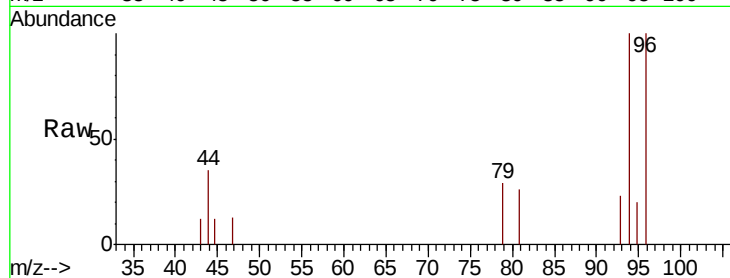
VD0730SBSD01

Tot Ion: 94 Resp: 4275

Ion Ratio Lower Upper

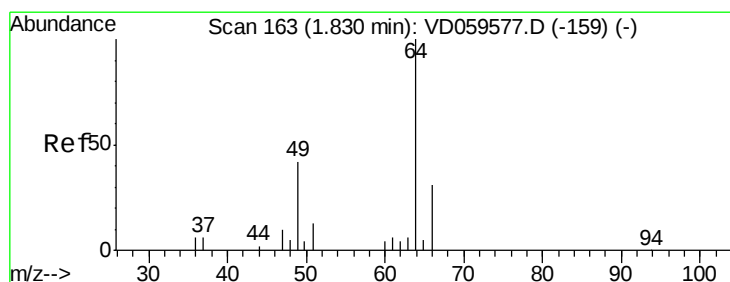
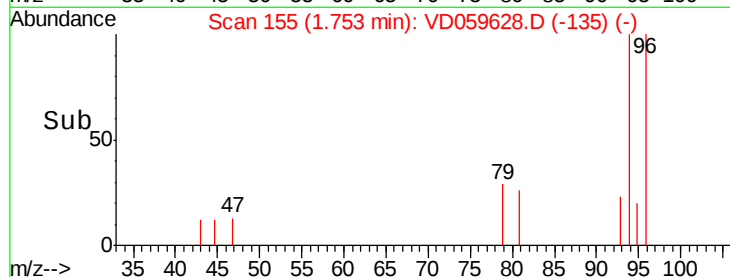
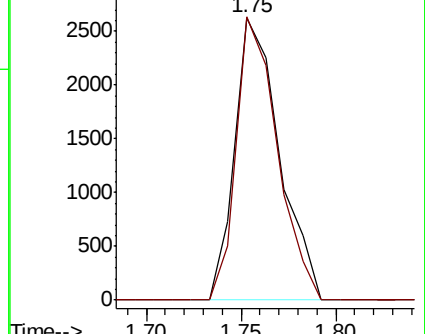
94 100

96 100.2 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.78 ug/l

RT: 1.84 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059628.D

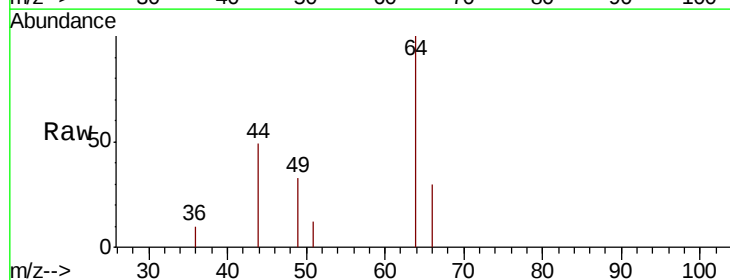
Acq: 30 Jul 2018 19:42

Tgt Ion: 64 Resp: 6311

Ion Ratio Lower Upper

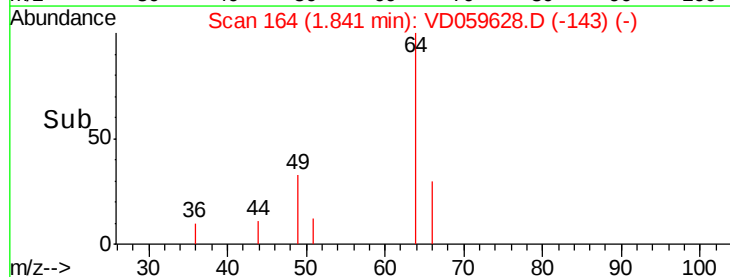
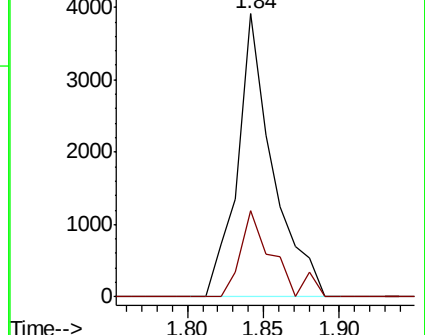
64 100

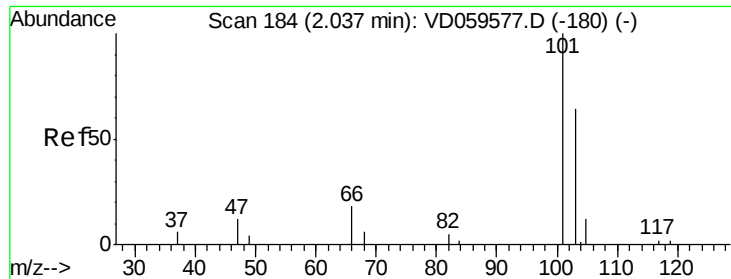
66 30.3 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



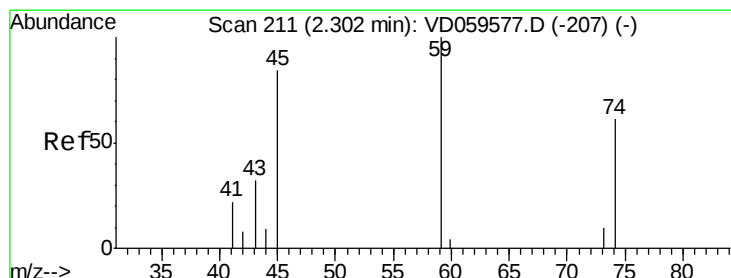
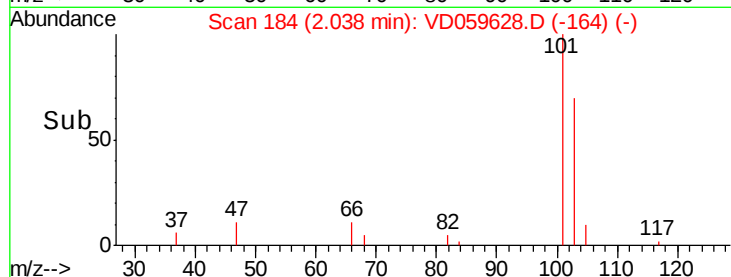
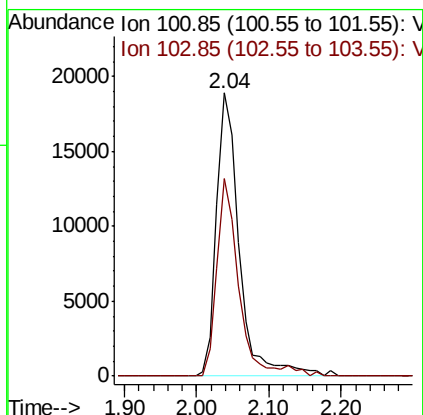
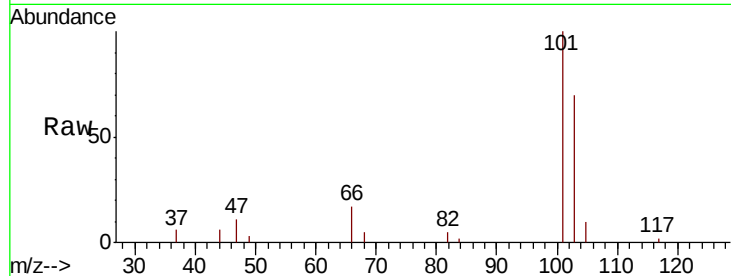


#7

Trichlorofluoromethane
 Concen: 26.66 ug/l
 RT: 2.04 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
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 VD0730SBSD01

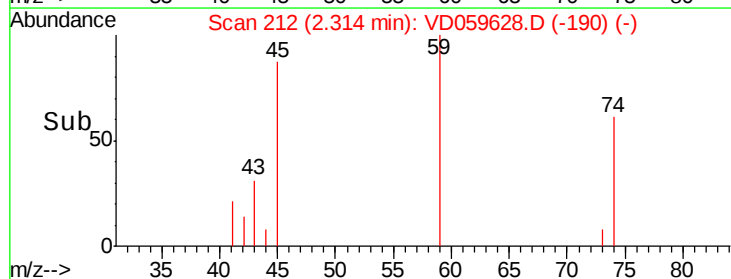
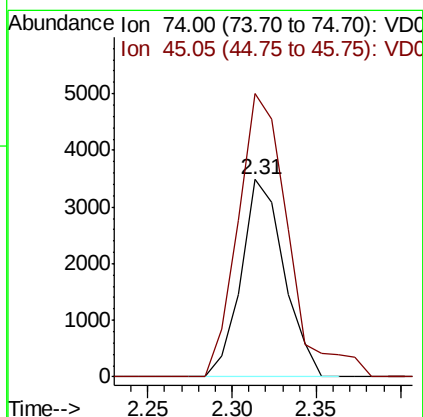
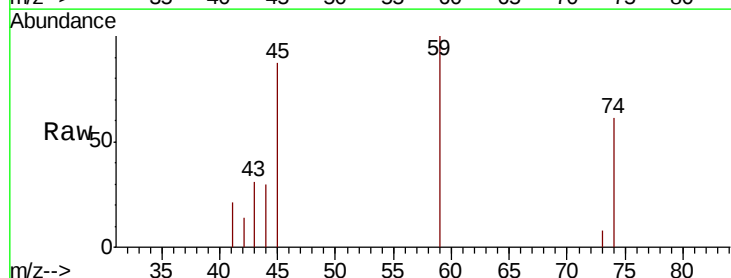
Tot Ion:101 Resp: 41258
 Ion Ratio Lower Upper
 101 100
 103 69.7 50.9 76.3

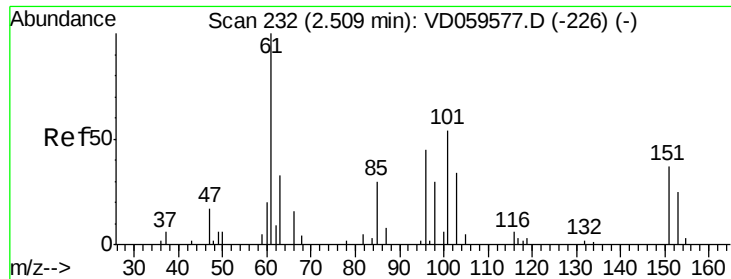


#8

Diethyl Ether
 Concen: 22.80 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 74 Resp: 6186
 Ion Ratio Lower Upper
 74 100
 45 143.3 69.0 207.0

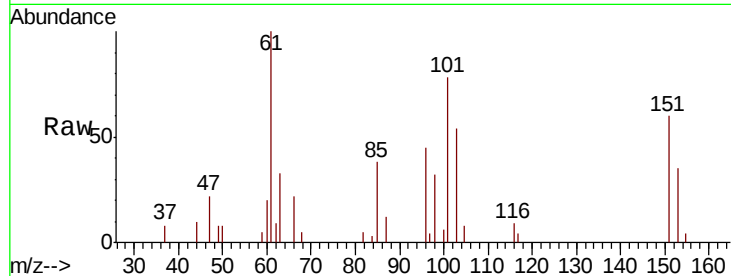




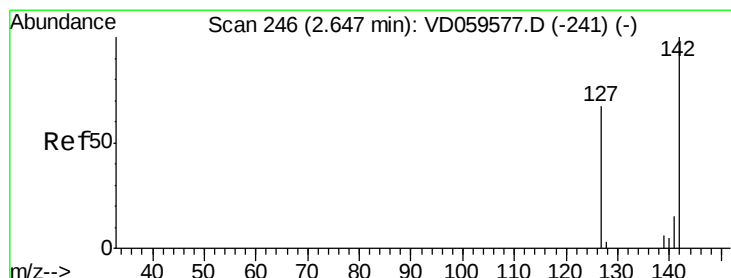
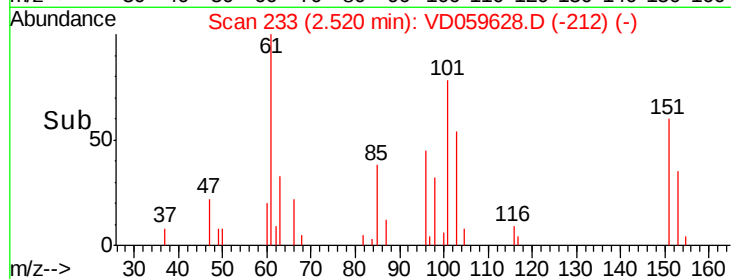
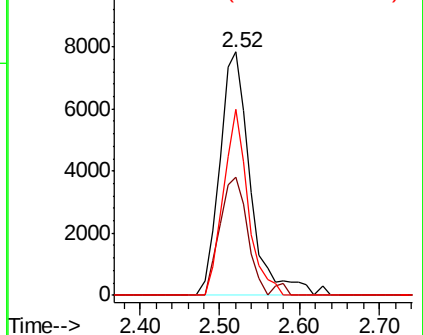
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 26.00 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:101 Resp: 21204
 Ion Ratio Lower Upper
 101 100
 85 48.4 44.5 66.7
 151 76.3 55.4 83.0

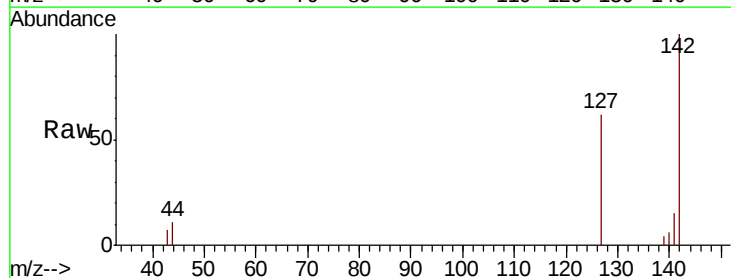


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

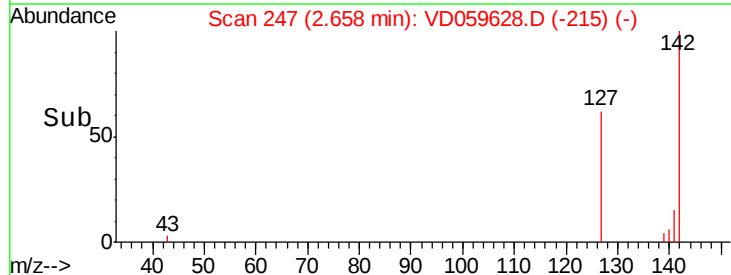
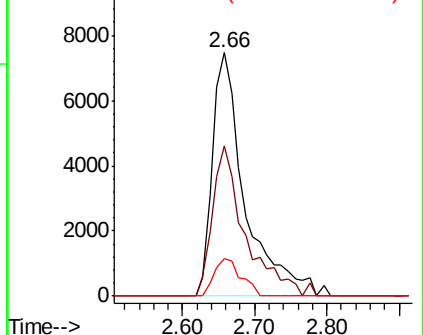


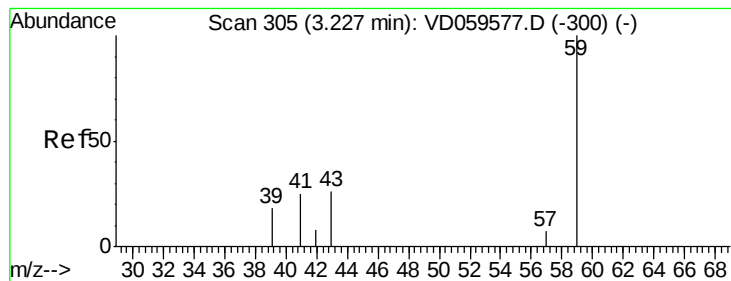
#10
 Methyl Iodide
 Concen: 23.00 ug/l
 RT: 2.66 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion:142 Resp: 23260
 Ion Ratio Lower Upper
 142 100
 127 61.8 53.6 80.4
 141 15.2 12.2 18.2



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



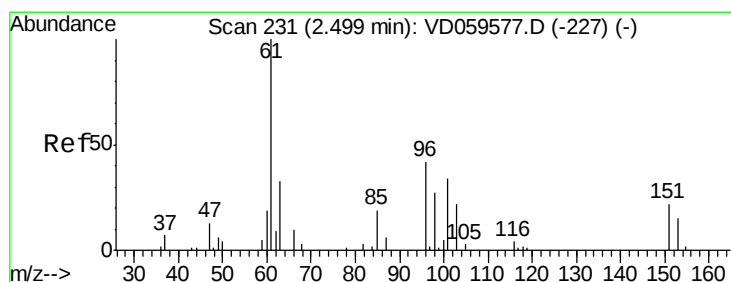
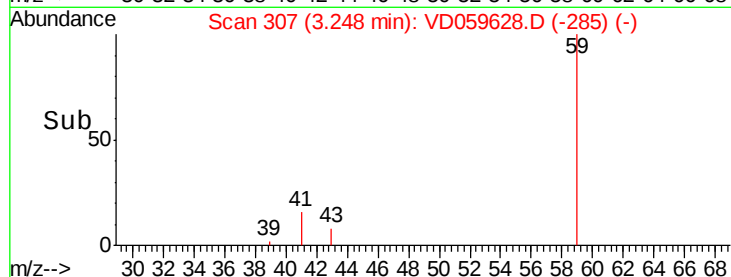
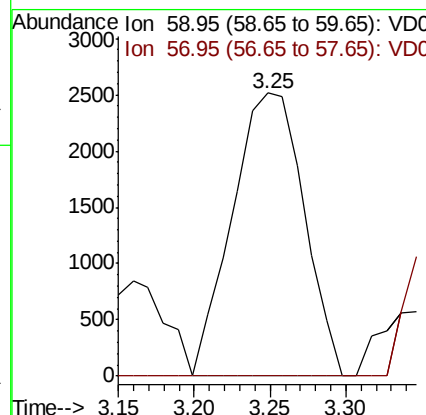
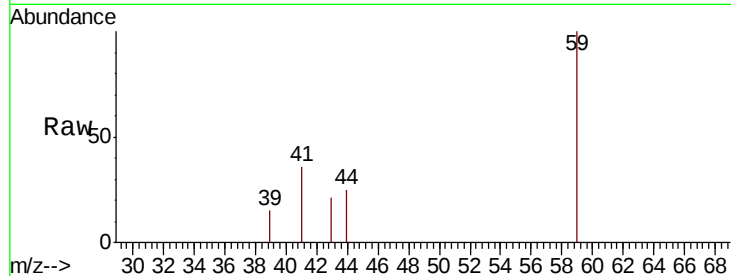


#11

Tert butyl alcohol
 Concen: 118.38 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

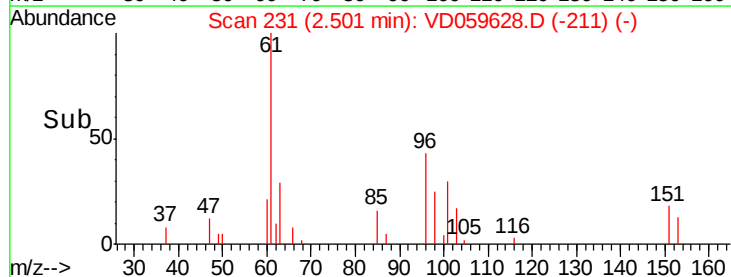
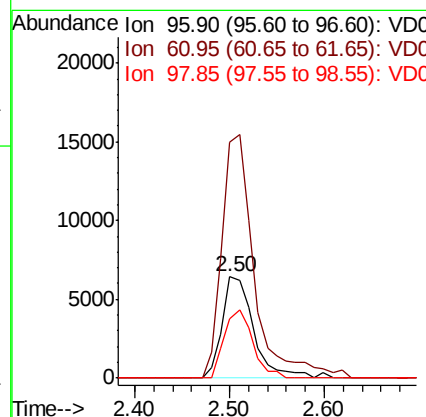
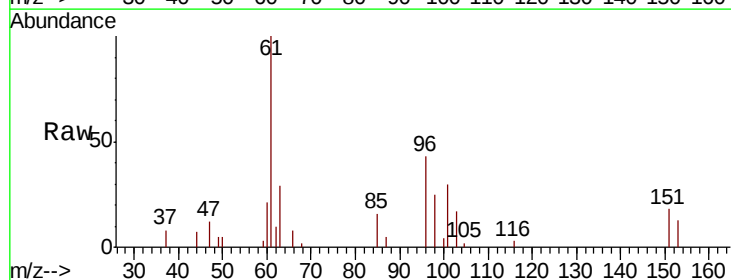
Tot Ion: 59 Resp: 8280
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

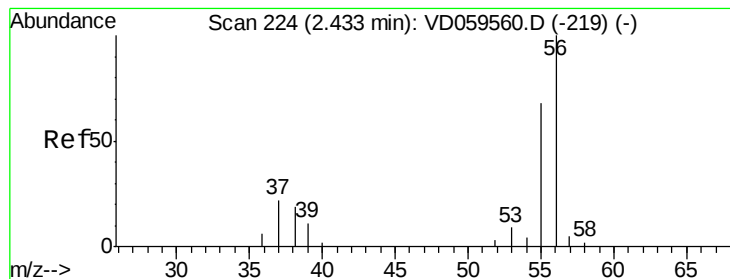


#12

1,1-Dichloroethene
 Concen: 25.22 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 96 Resp: 14905
 Ion Ratio Lower Upper
 96 100
 61 233.7 188.8 283.2
 98 58.8 51.4 77.2





#13

Acrolein

Concen: 109.47 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

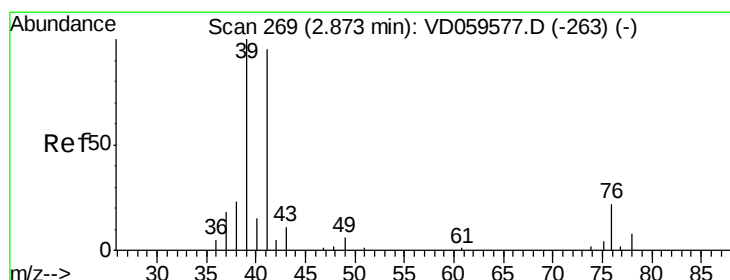
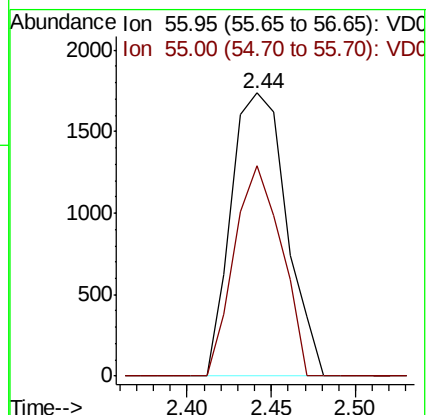
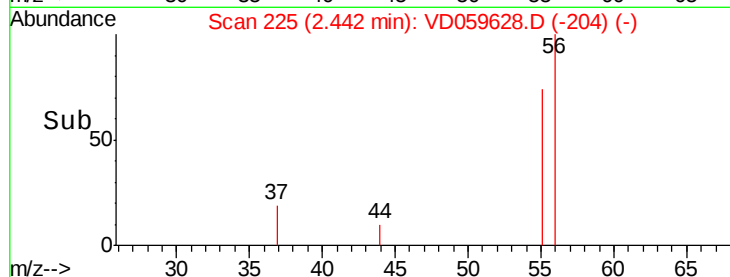
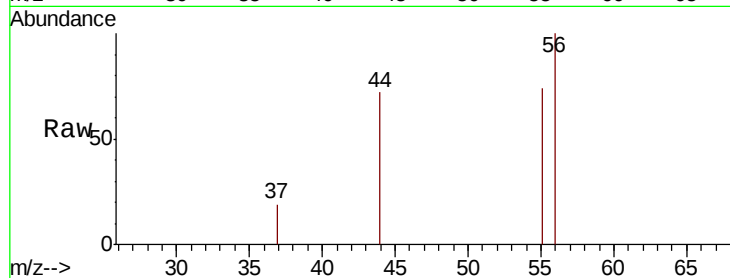
VD0730SBS01

Tot Ion: 56 Resp: 3945

Ion Ratio Lower Upper

56 100

55 74.3 69.1 103.7



#14

Allyl chloride

Concen: 23.25 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

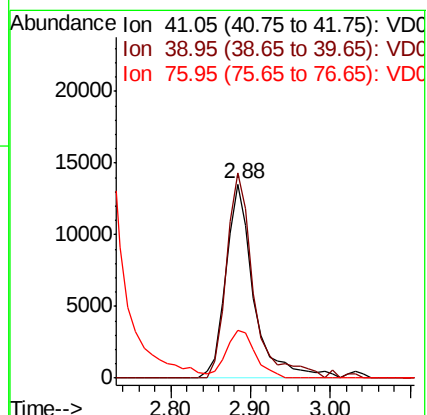
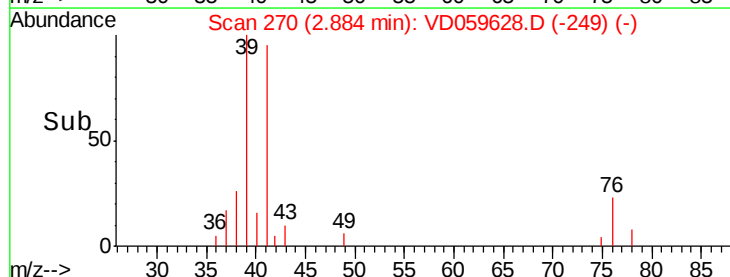
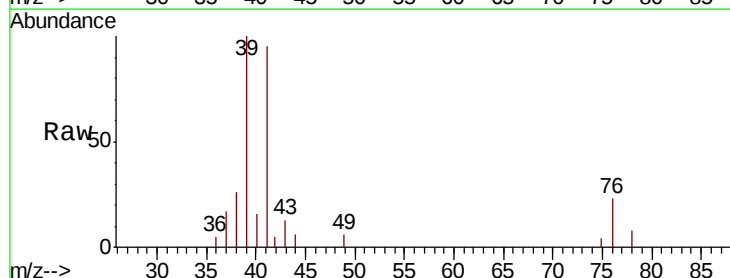
Tgt Ion: 41 Resp: 33325

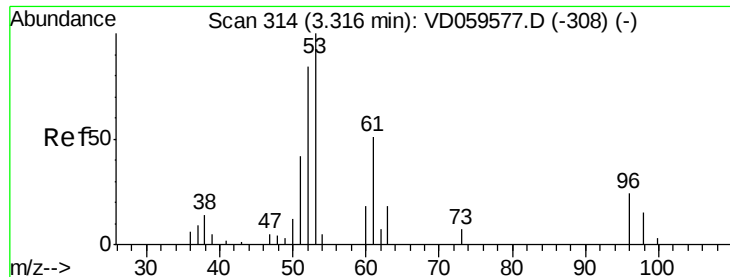
Ion Ratio Lower Upper

41 100

39 105.7 83.8 125.8

76 24.7 22.2 33.4





#15

Acrylonitrile

Concen: 128.87 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

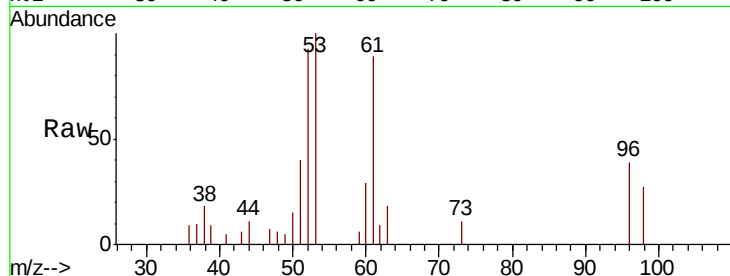
Tot Ion: 53 Resp: 19550

Ion Ratio Lower Upper

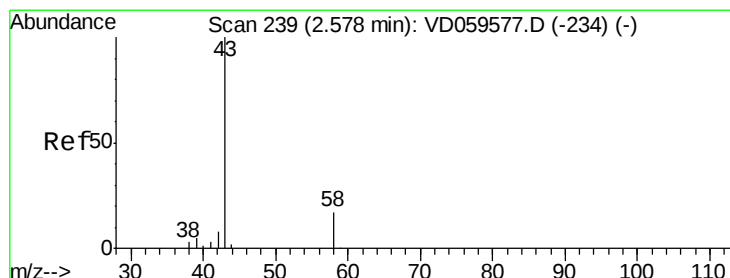
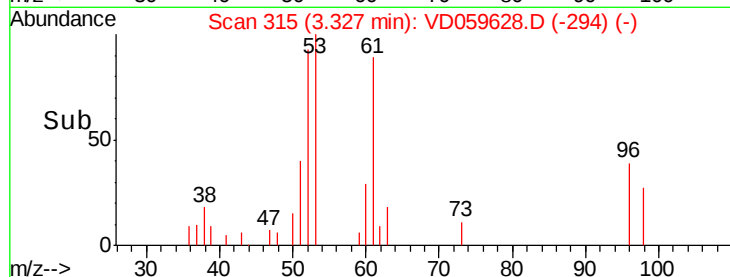
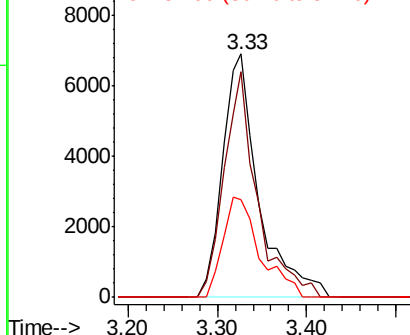
53 100

52 92.8 67.6 101.4

51 40.2 33.7 50.5



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: 116.02 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059628.D

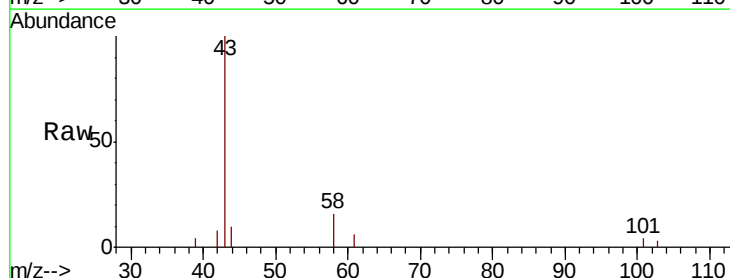
Acq: 30 Jul 2018 19:42

Tgt Ion: 43 Resp: 30719

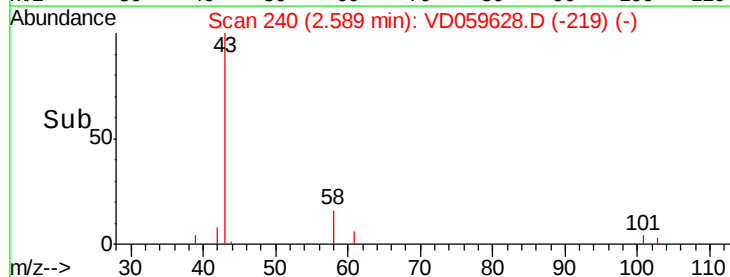
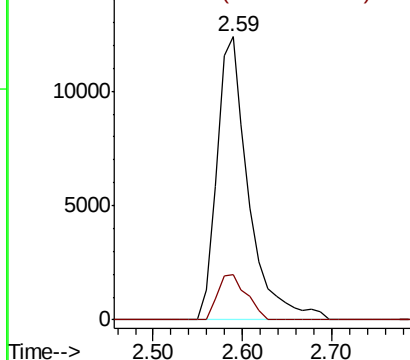
Ion Ratio Lower Upper

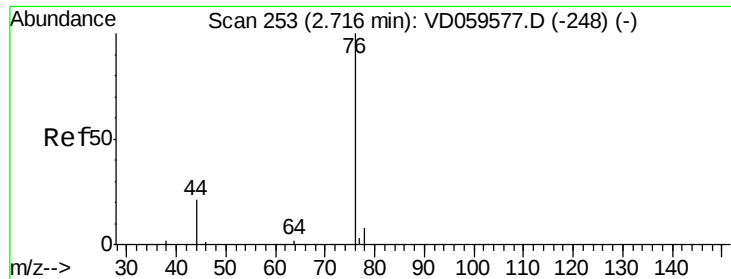
43 100

58 15.8 13.4 20.0



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

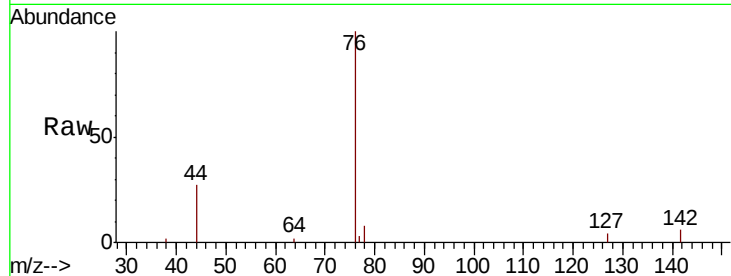




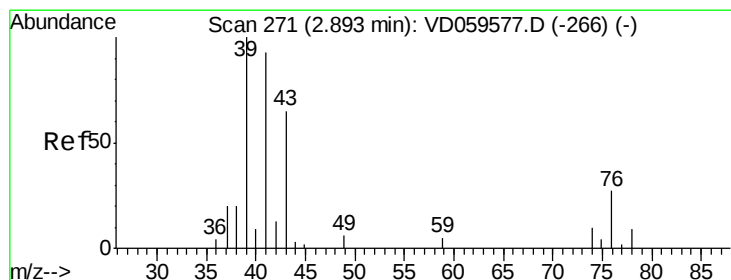
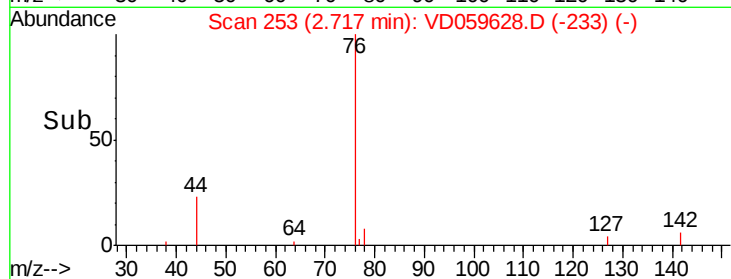
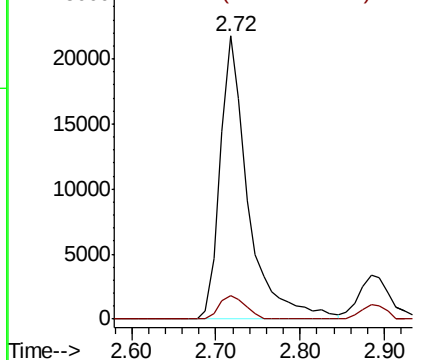
#17
Carbon Disulfide
Concen: 21.33 ug/l
RT: 2.72 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 76 Resp: 50080
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2

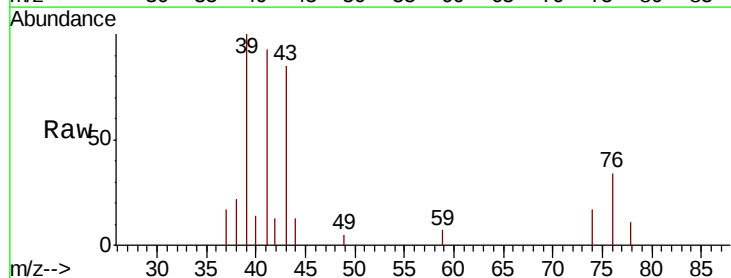


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

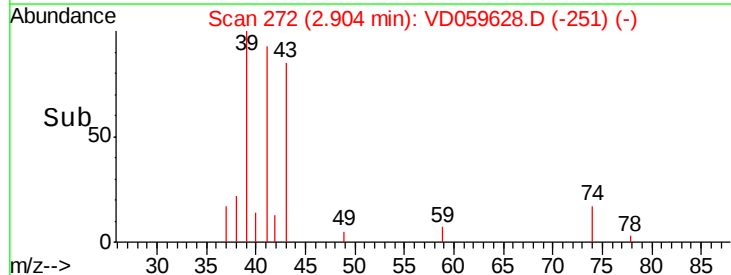
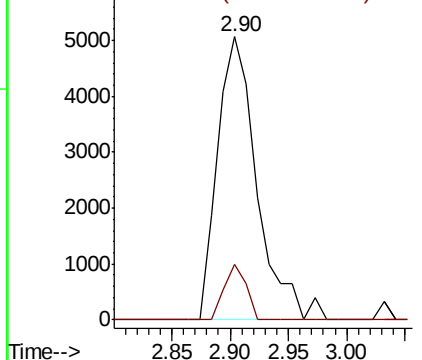


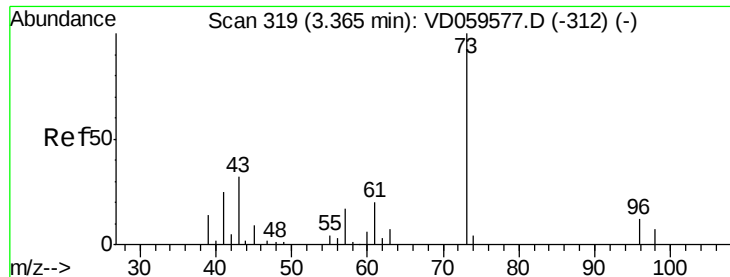
#18
Methyl Acetate
Concen: 22.42 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 43 Resp: 11873
Ion Ratio Lower Upper
43 100
74 19.5 13.0 19.4#



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

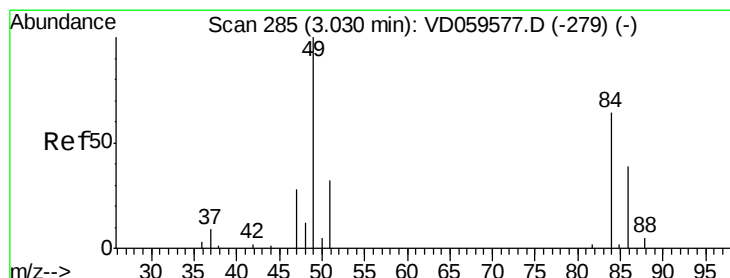
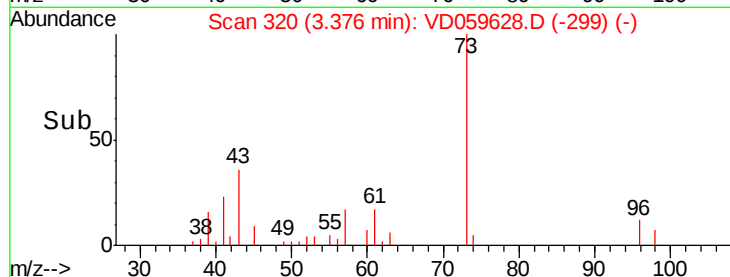
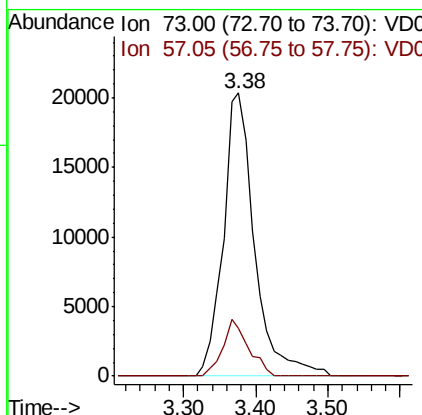
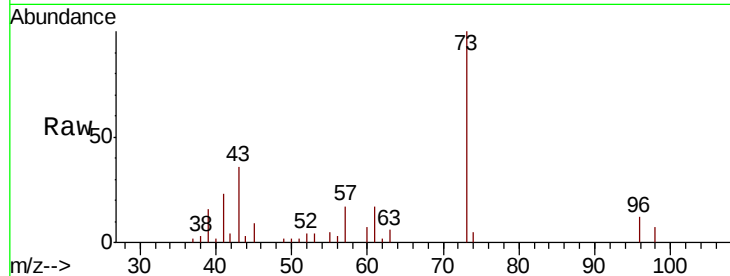




#19
Methvl tert-butvl Ether
Concen: 30.80 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

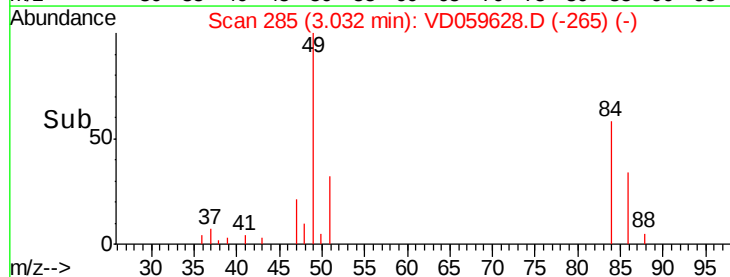
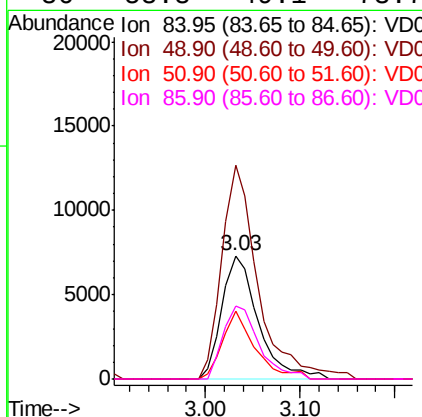
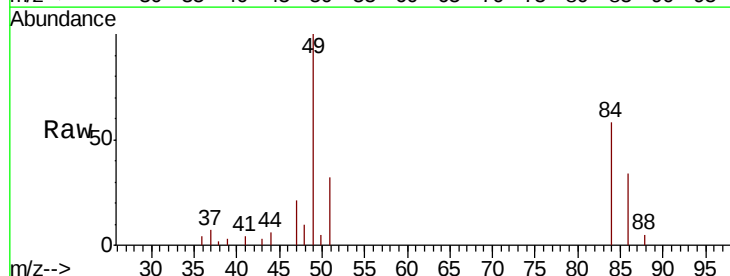
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

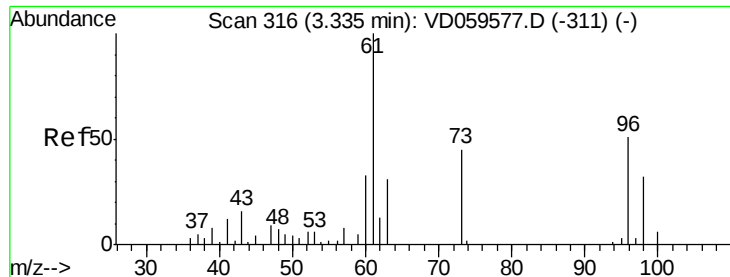
Tot Ion: 73 Resp: 61026
Ion Ratio Lower Upper
73 100
57 17.0 13.4 20.2



#20
Methylene Chloride
Concen: 25.76 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 84 Resp: 19449
Ion Ratio Lower Upper
84 100
49 173.4 125.4 188.2
51 55.1 39.7 59.5
86 58.8 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 29.22 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

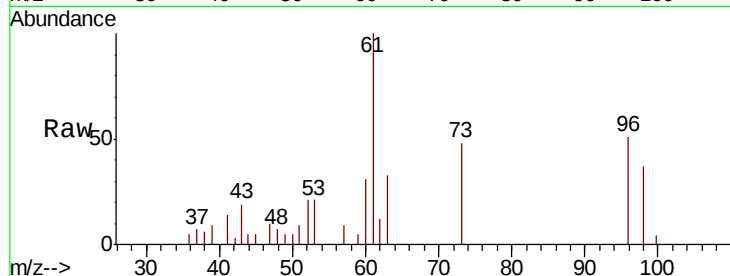
Tot Ion: 96 Resp: 18625

Ion Ratio Lower Upper

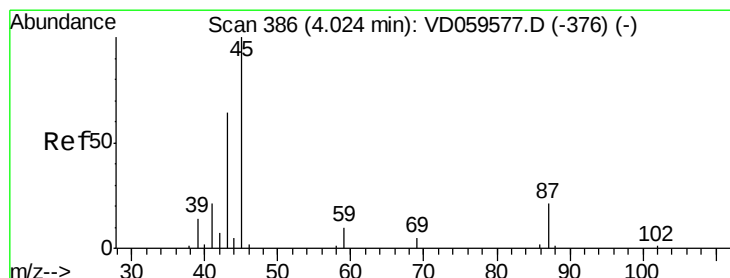
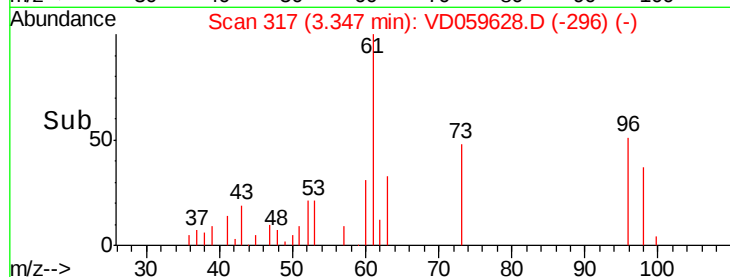
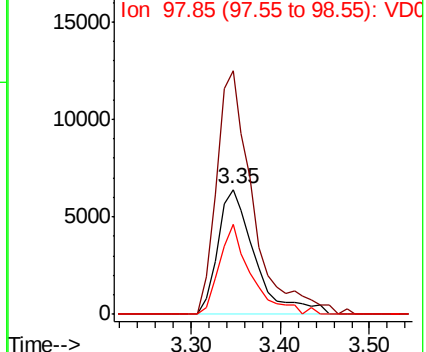
96 100

61 195.3 155.8 233.6

98 72.4 49.1 73.7



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



#22

Diisopropyl ether

Concen: 22.01 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Tgt Ion: 45 Resp: 82948

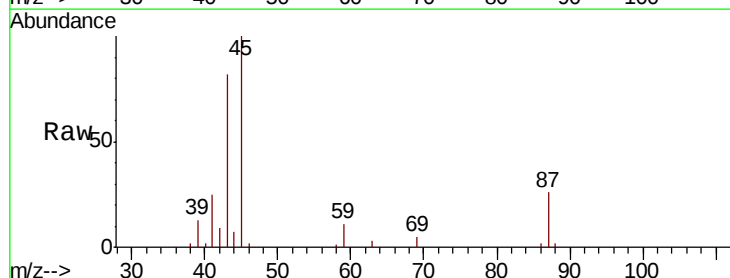
Ion Ratio Lower Upper

45 100

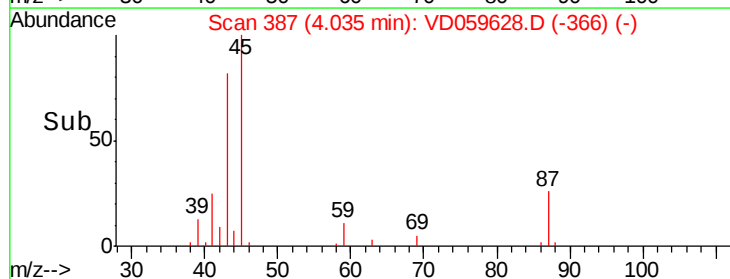
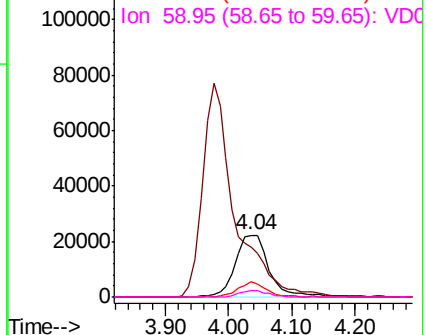
43 81.6 59.4 89.2

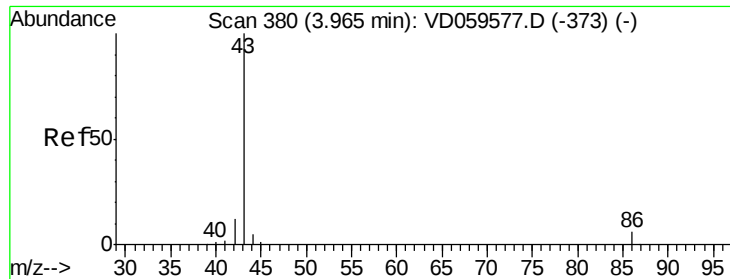
87 25.9 16.7 25.1#

59 10.7 8.2 12.4



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

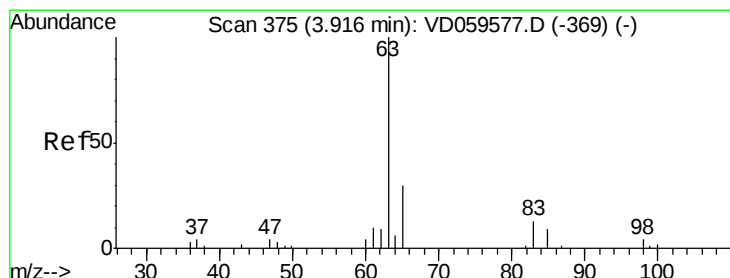
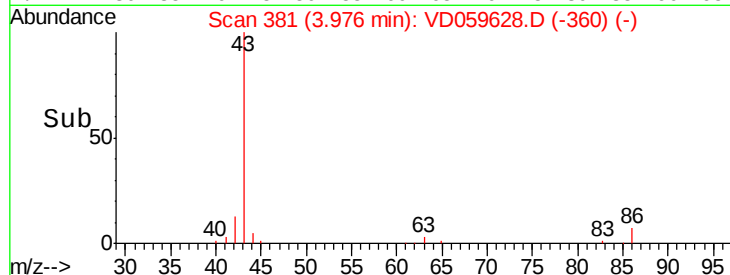
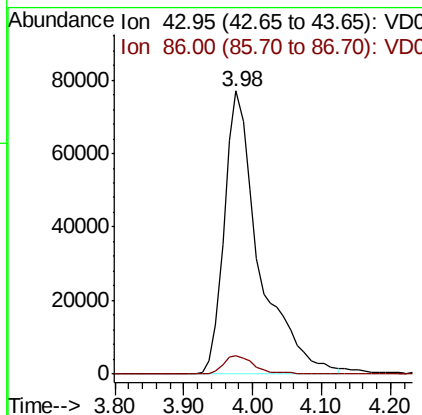
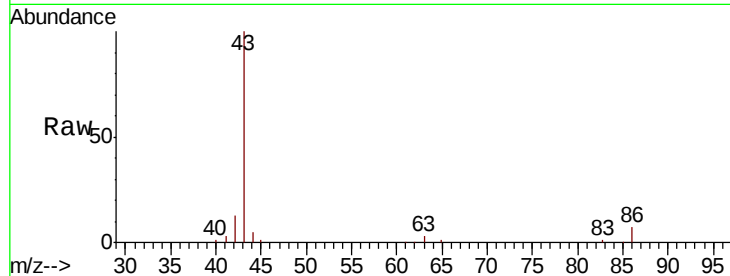




#23
 Vinyl Acetate
 Concen: 113.03 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

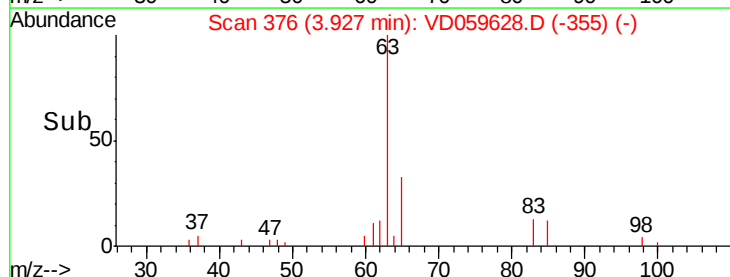
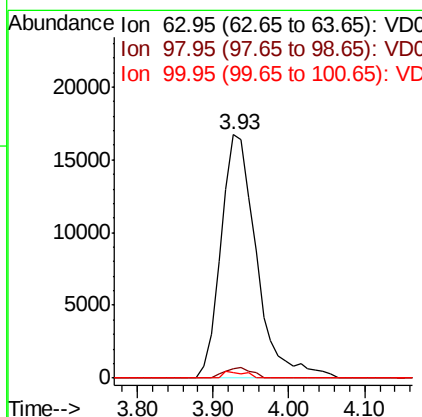
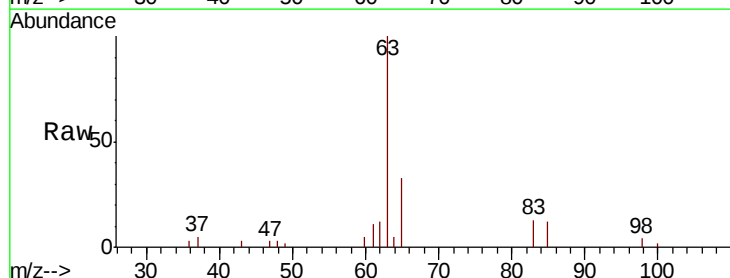
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

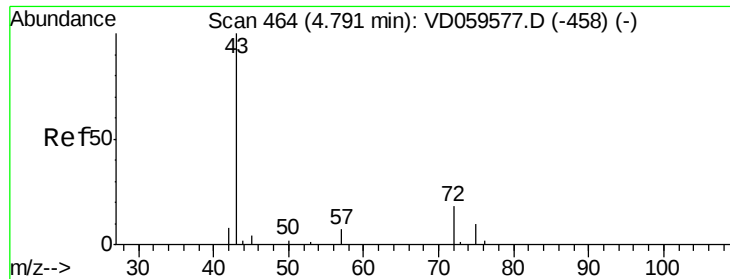
Tot Ion: 43 Resp: 270341
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 22.90 ug/l
 RT: 3.93 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 63 Resp: 54488
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.8 5.5
 100 2.3 1.1 3.3





#25

2-Butanone

Concen: 102.74 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

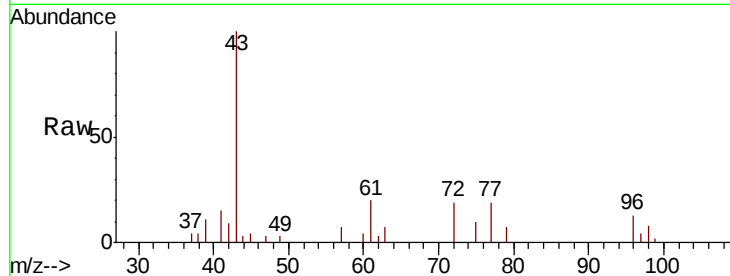
VD0730SBS01

Tot Ion: 43 Resp: 41484

Ion Ratio Lower Upper

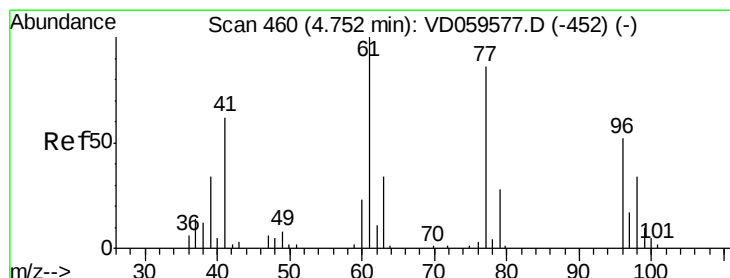
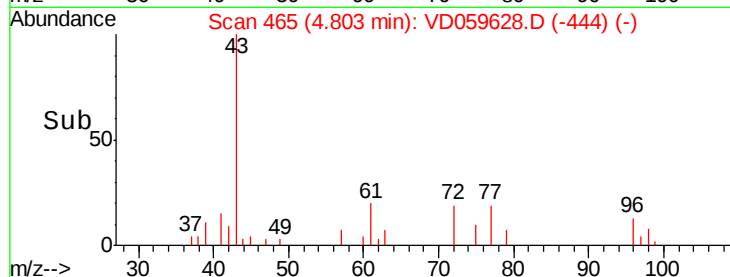
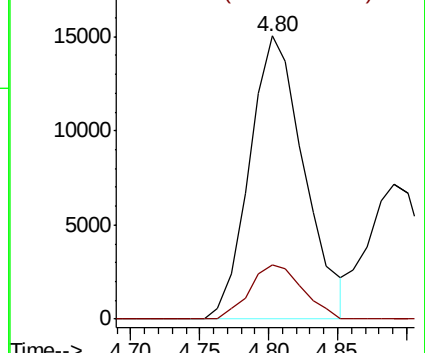
43 100

72 19.1 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.92 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059628.D

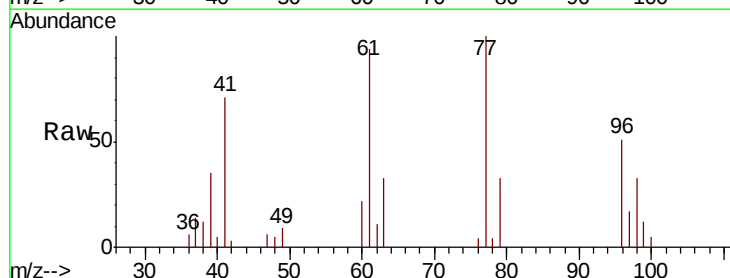
Acq: 30 Jul 2018 19:42

Tgt Ion: 77 Resp: 53408

Ion Ratio Lower Upper

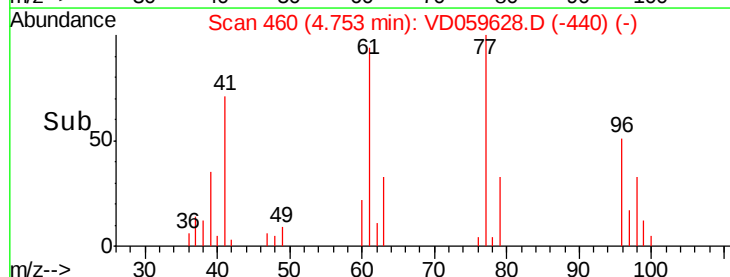
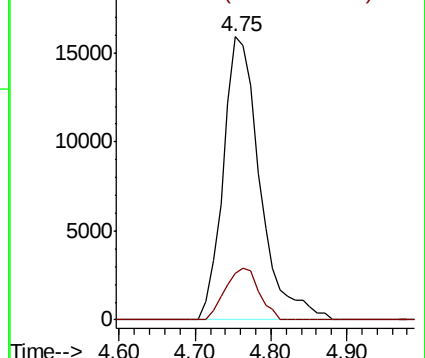
77 100

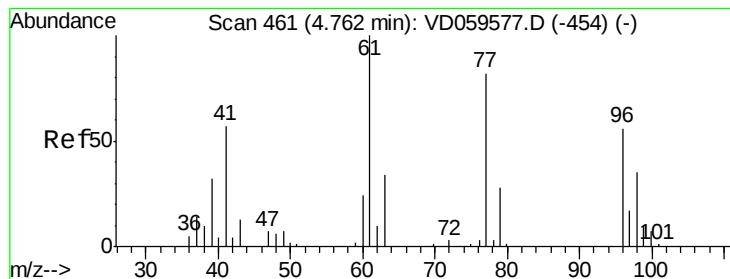
97 16.6 9.7 29.1



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: 23.16 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

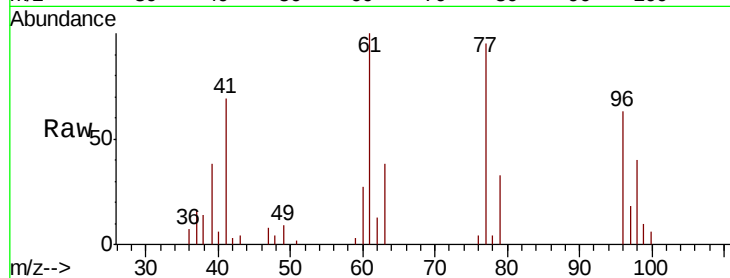
Tot Ion: 96 Resp: 29485

Ion Ratio Lower Upper

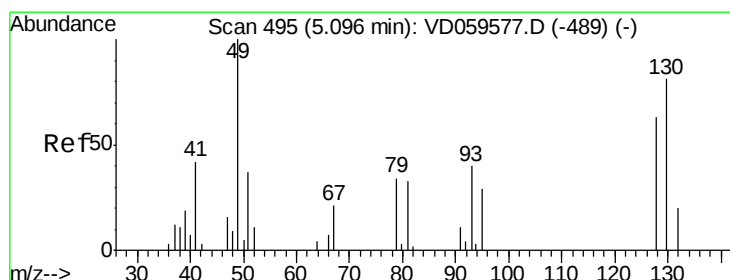
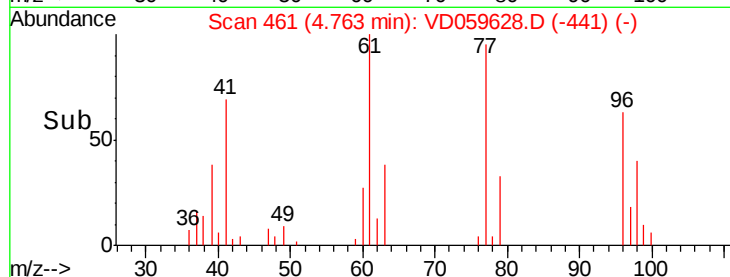
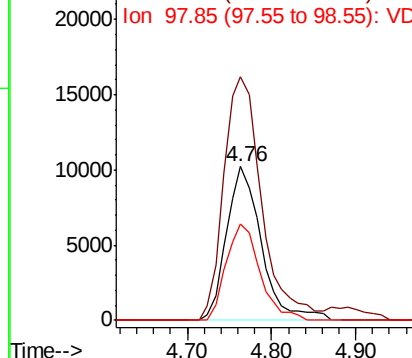
96 100

61 158.3 0.0 355.0

98 62.8 0.0 125.8



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



#28

Bromochloromethane

Concen: 22.92 ug/l

RT: 5.11 min Scan# 496

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

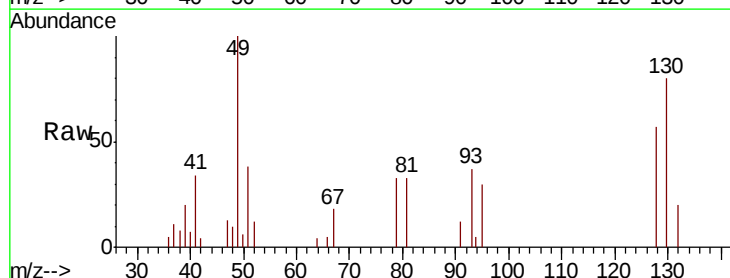
Tgt Ion: 49 Resp: 21571

Ion Ratio Lower Upper

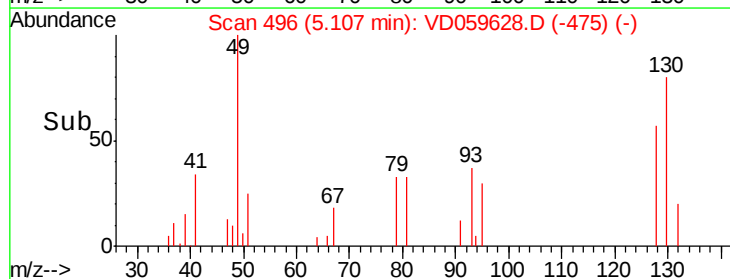
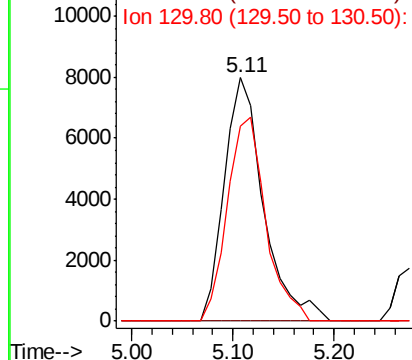
49 100

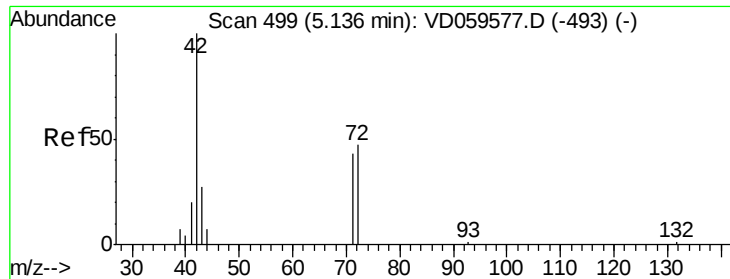
129 0.0 0.0 0.0

130 80.3 64.6 96.8



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





#29

Tetrahydrofuran

Concen: 99.90 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

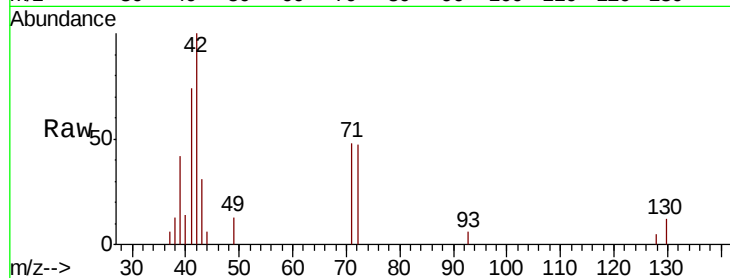
Tot Ion: 42 Resp: 18677

Ion Ratio Lower Upper

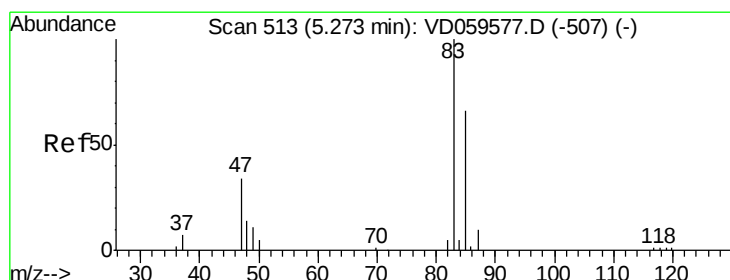
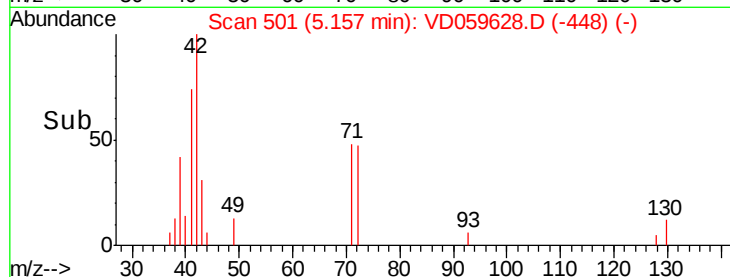
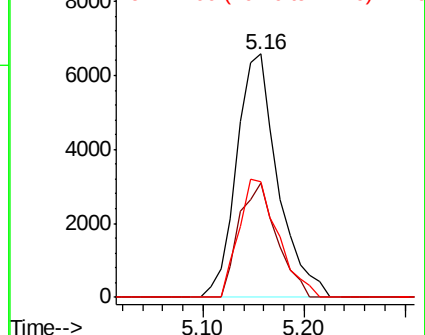
42 100

72 43.1 35.0 52.4

71 46.1 34.2 51.2



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



#30

Chloroform

Concen: 23.96 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD059628.D

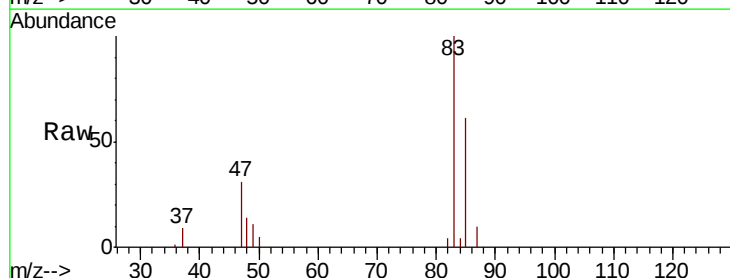
Acq: 30 Jul 2018 19:42

Tgt Ion: 83 Resp: 68179

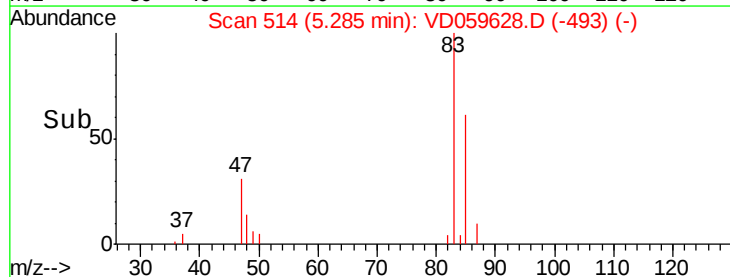
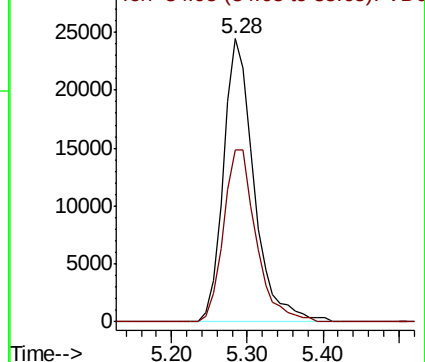
Ion Ratio Lower Upper

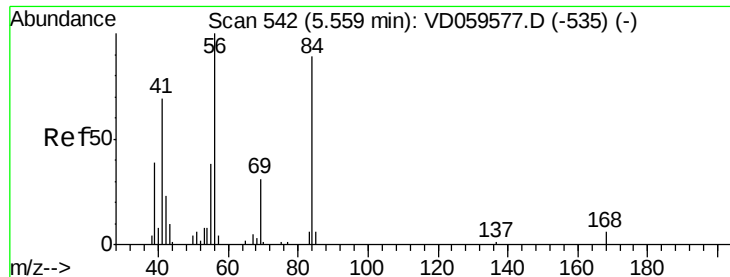
83 100

85 60.8 53.0 79.6



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

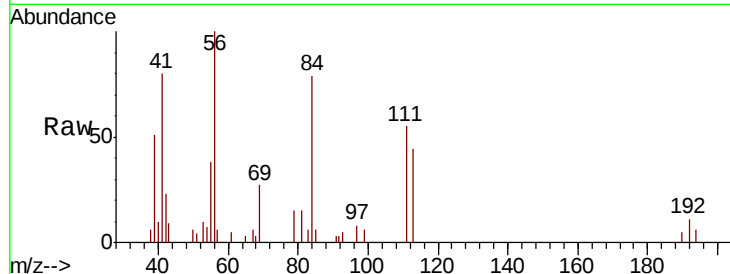




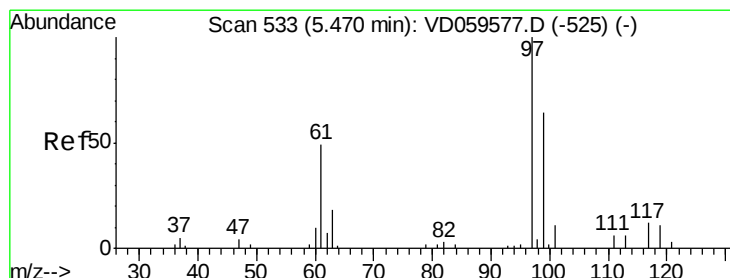
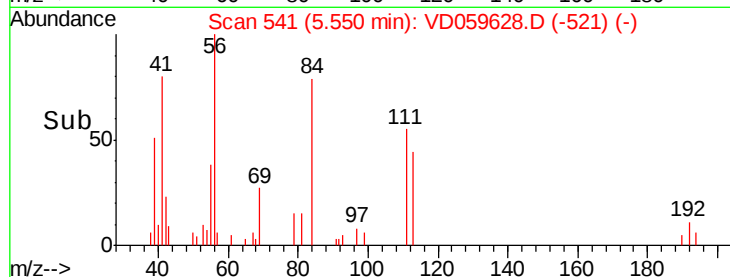
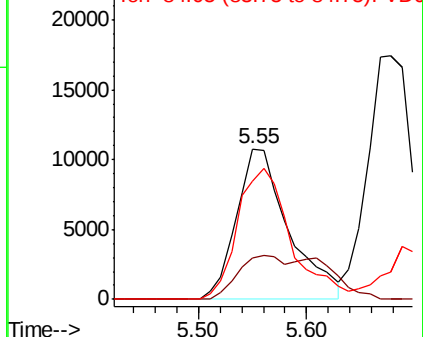
#31
Cyclohexane
Concen: 20.55 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 56 Resp: 36375
Ion Ratio Lower Upper
56 100
69 27.1 24.6 37.0
84 79.0 72.7 109.1

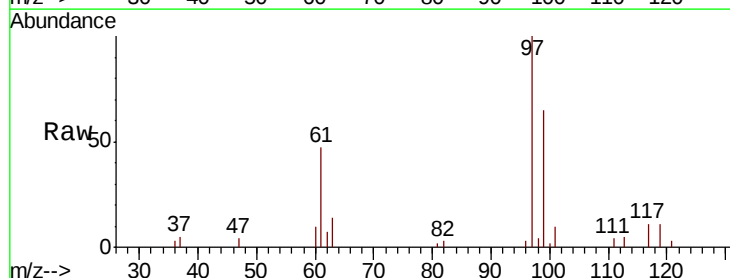


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

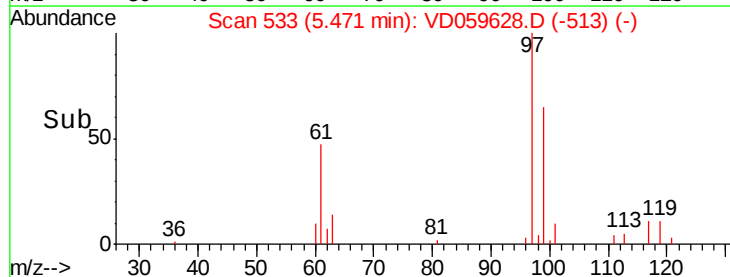
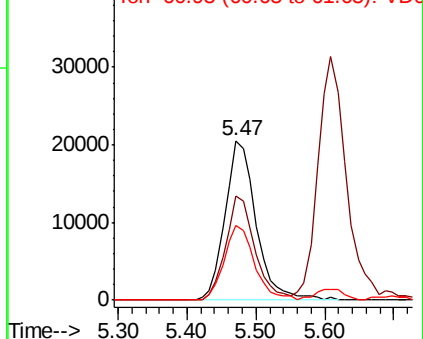


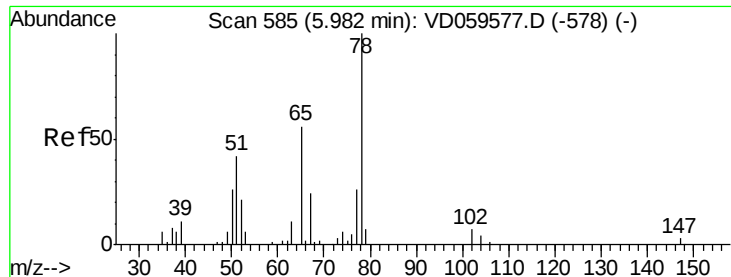
#32
1,1,1-Trichloroethane
Concen: 23.24 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 97 Resp: 64023
Ion Ratio Lower Upper
97 100
99 65.4 50.9 76.3
61 46.6 39.2 58.8



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

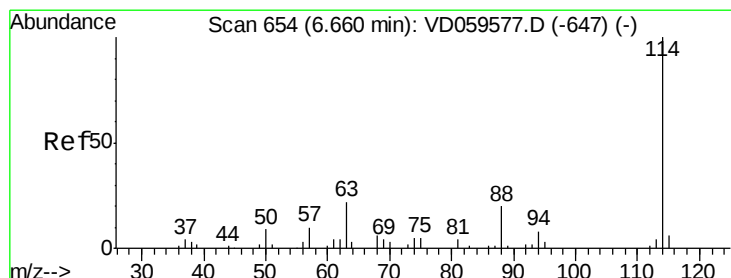
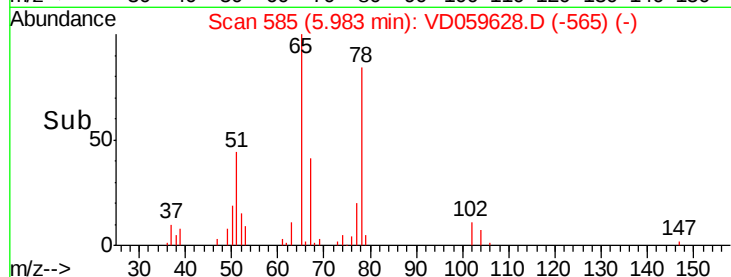
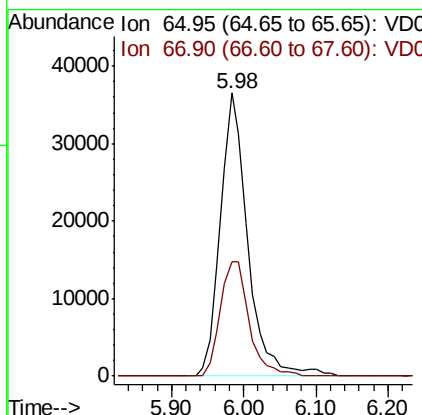
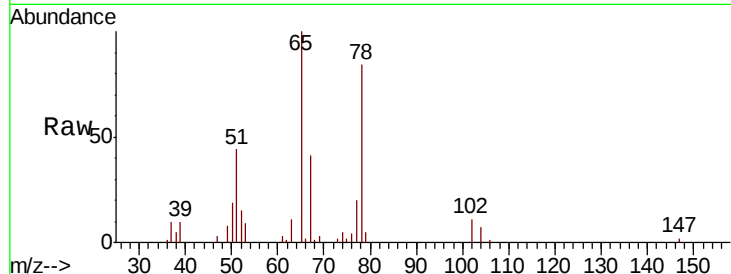




#33
 1,2-Dichloroethane-d4
 Concen: 23.24 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

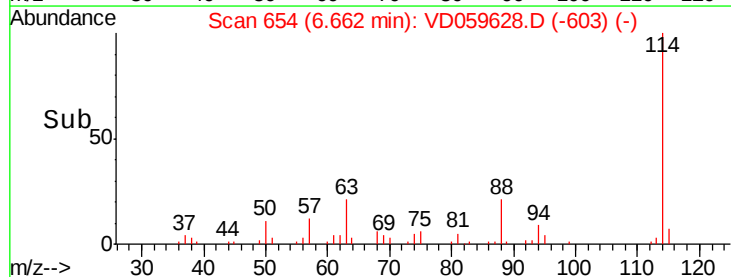
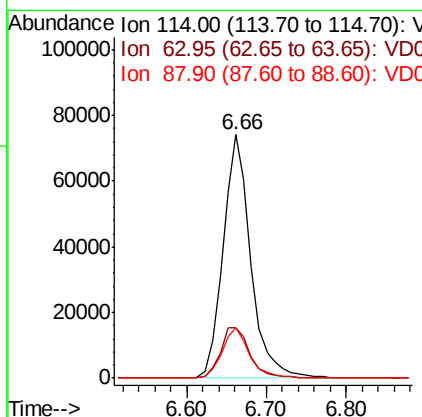
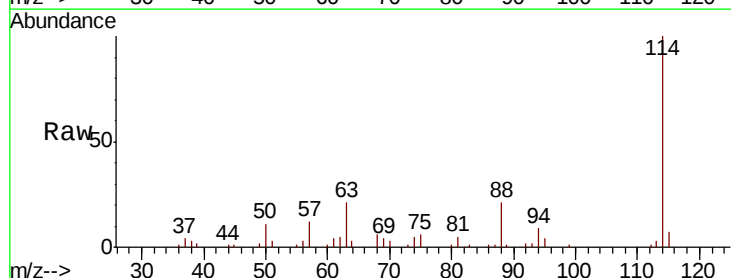
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

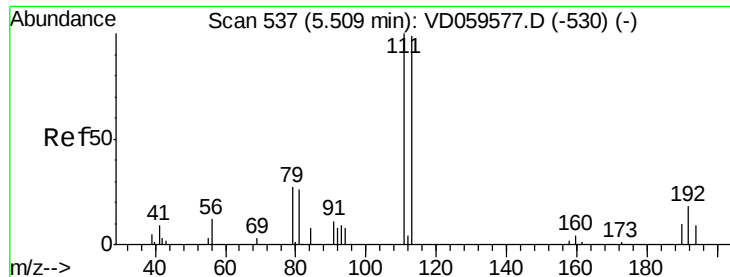
Tot Ion: 65 Resp: 95857
 Ion Ratio Lower Upper
 65 100
 67 40.5 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 114 Resp: 179443
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.8
 88 20.9 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

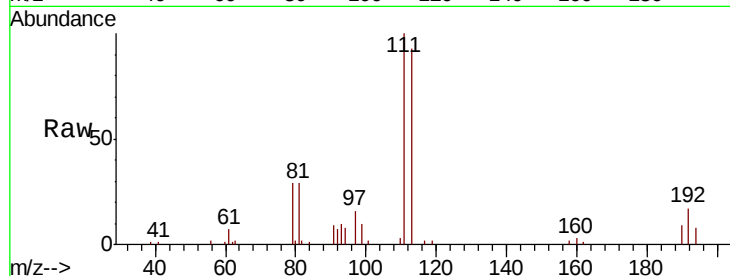
Tot Ion:113 Resp: 81624

Ion Ratio Lower Upper

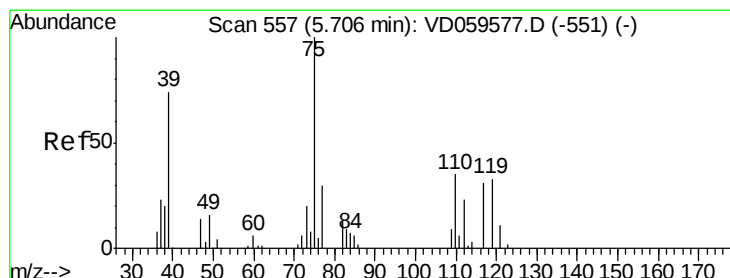
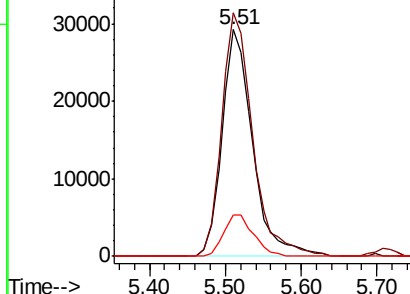
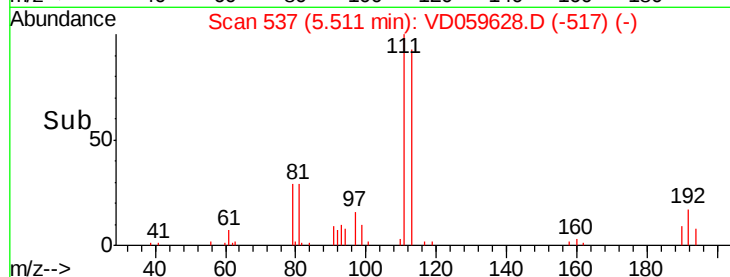
113 100

111 107.5 80.5 120.7

192 18.1 14.5 21.7



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: 23.18 ug/l

RT: 5.71 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

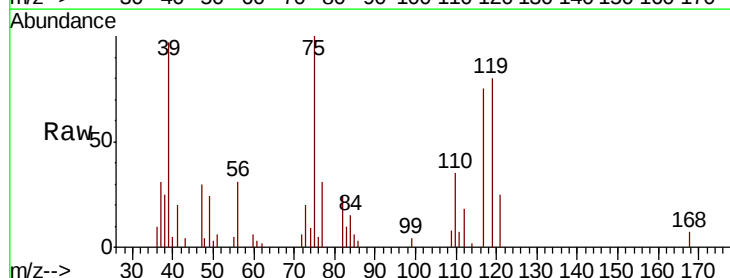
Tgt Ion: 75 Resp: 41740

Ion Ratio Lower Upper

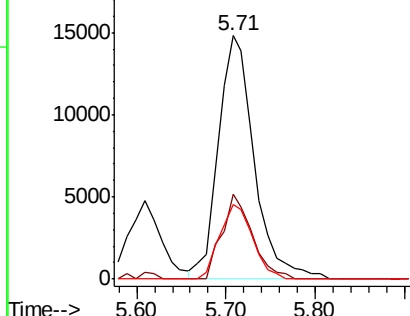
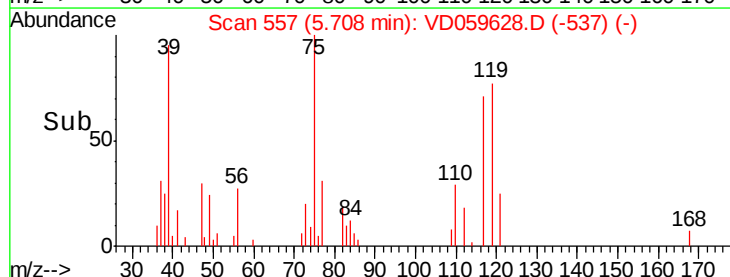
75 100

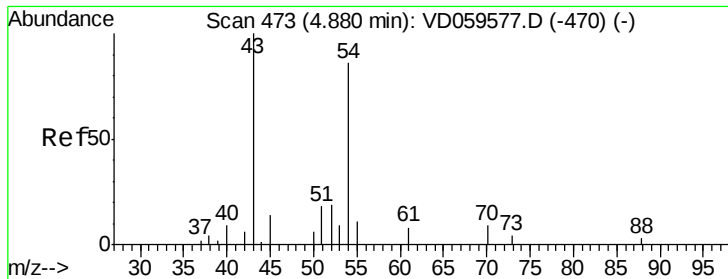
110 35.0 17.0 50.9

77 30.6 23.6 35.4



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: 24.48 ug/l

RT: 4.89 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

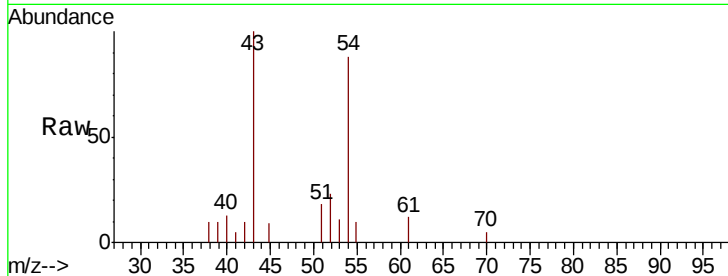
Tot Ion: 43 Resp: 22672

Ion Ratio Lower Upper

43 100

61 11.9 10.7 16.1

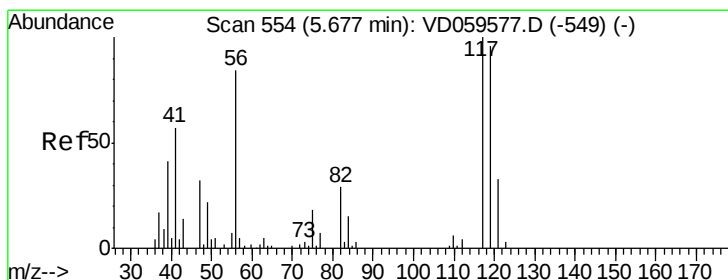
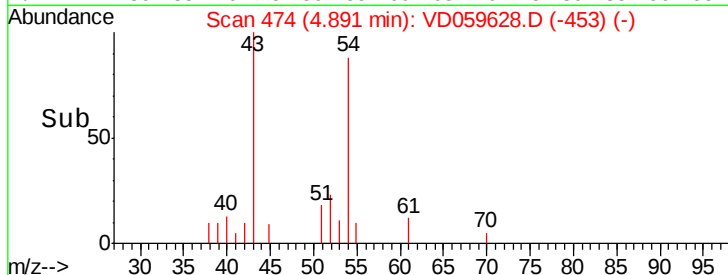
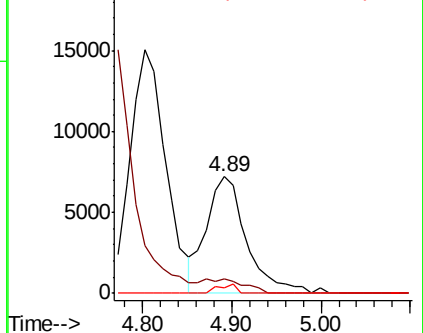
70 4.9 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.62 ug/l

RT: 5.69 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

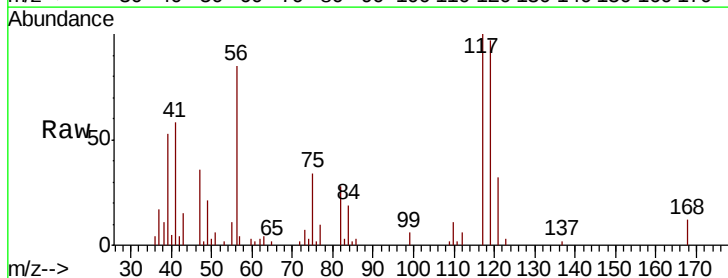
Tgt Ion: 117 Resp: 53299

Ion Ratio Lower Upper

117 100

119 96.7 73.6 110.4

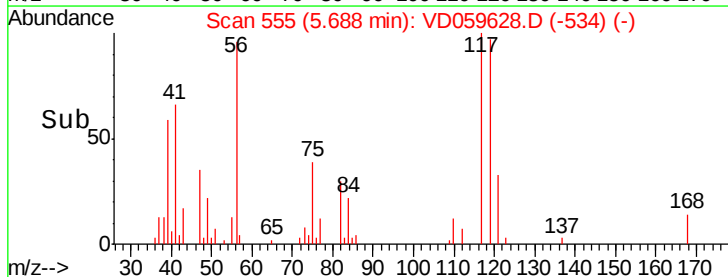
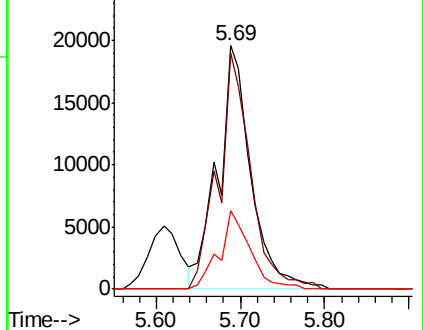
121 32.1 25.0 37.6

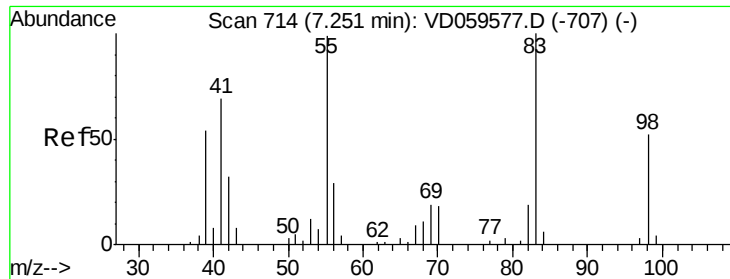


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

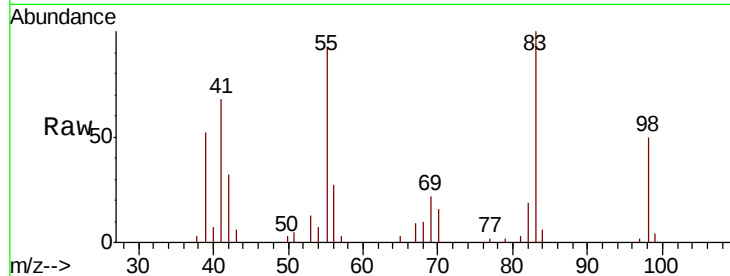




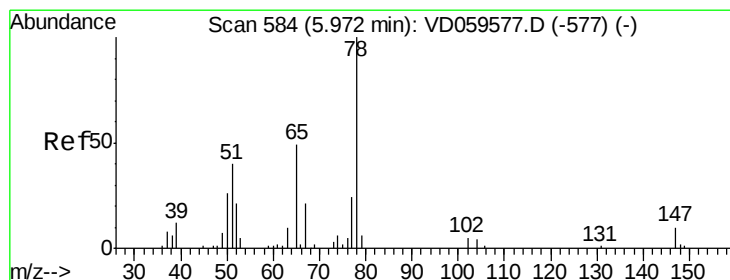
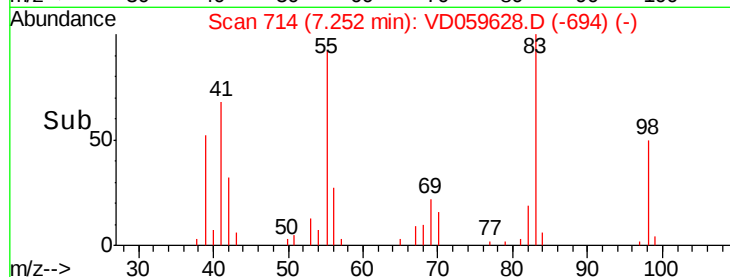
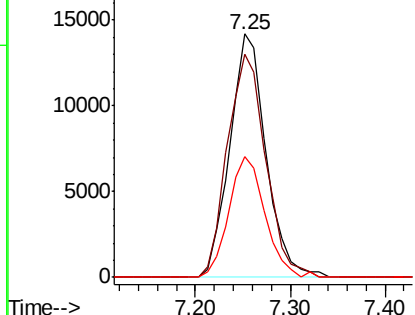
#39
Methvlcvclohexane
Concen: 22.70 ug/l
RT: 7.25 min Scan# 714
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 83 Resp: 37583
Ion Ratio Lower Upper
83 100
55 91.7 79.4 119.0
98 49.6 41.6 62.4

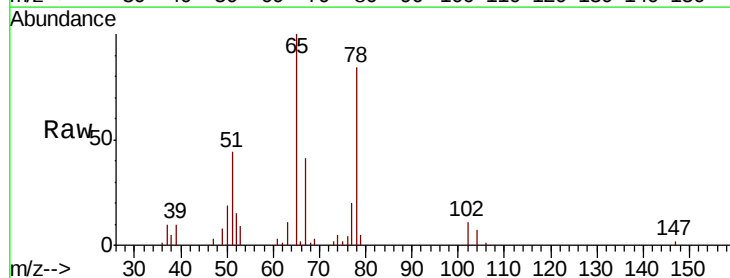


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

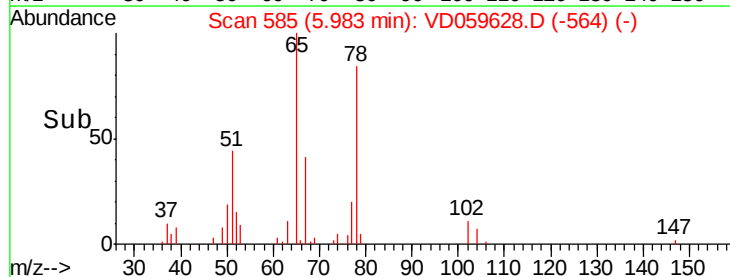
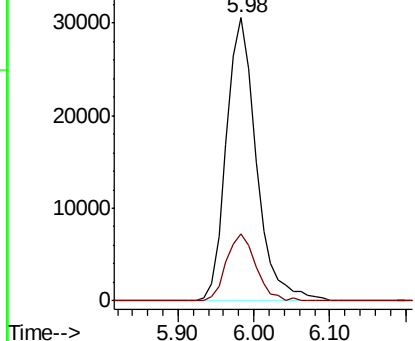


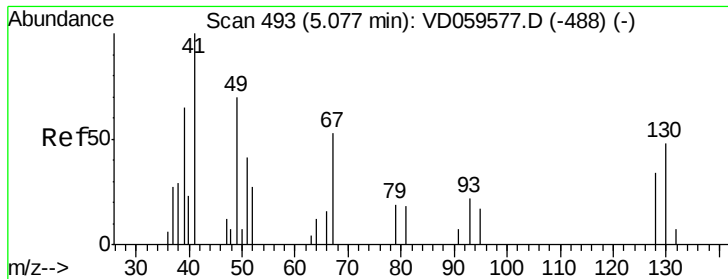
#40
Benzene
Concen: 22.76 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 78 Resp: 84038
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



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

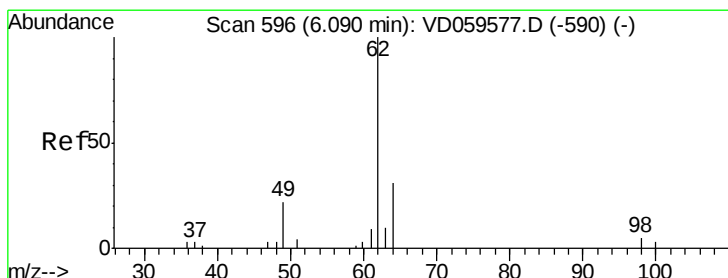
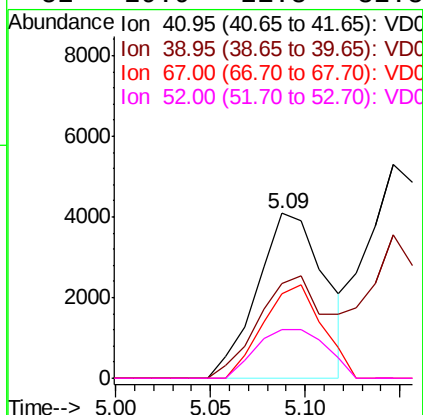
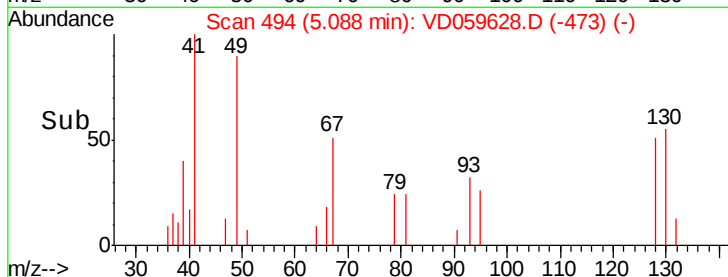
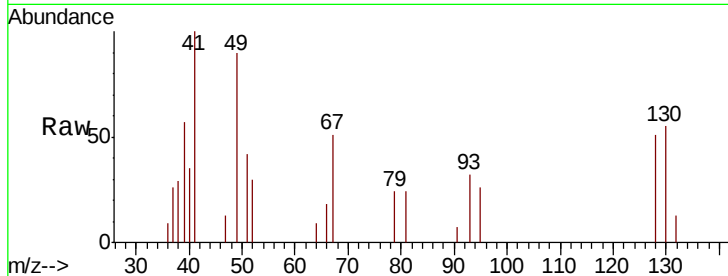




#41
Methacrylonitrile
Concen: 22.13 ug/l
RT: 5.09 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

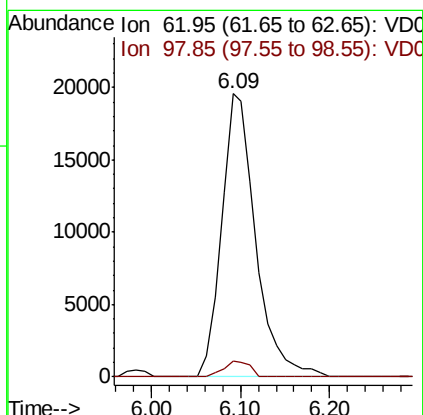
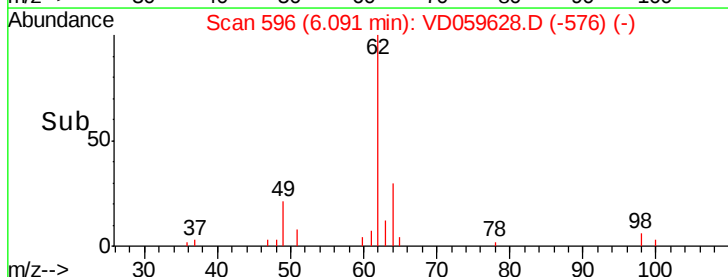
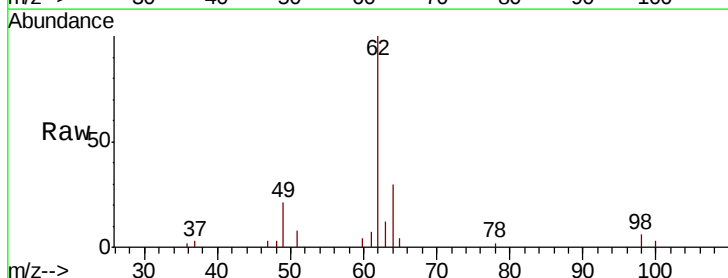
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

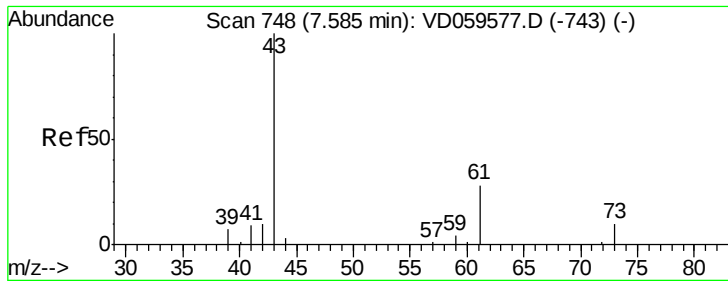
Tot Ion:	41	Resp:	10230
Ion	Ratio	Lower	Upper
41	100		
39	57.1	52.1	78.1
67	51.1	42.5	63.7
52	29.9	21.8	32.8



#42
1,2-Dichloroethane
Concen: 23.40 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:	62	Resp:	52066
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	10.2

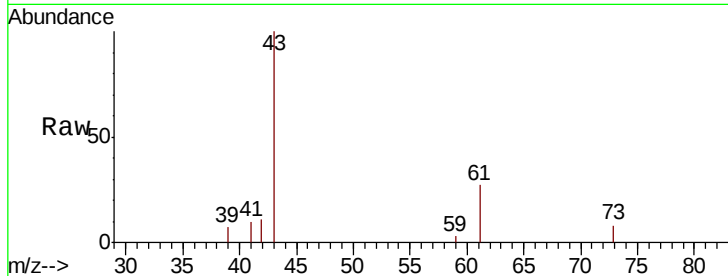




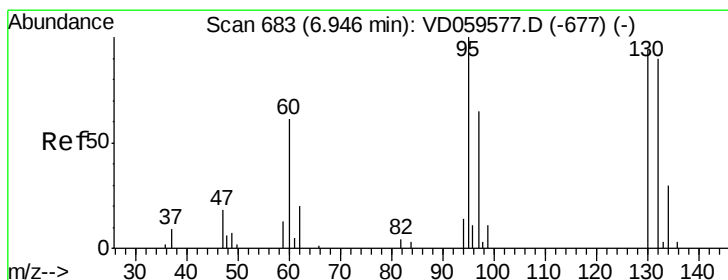
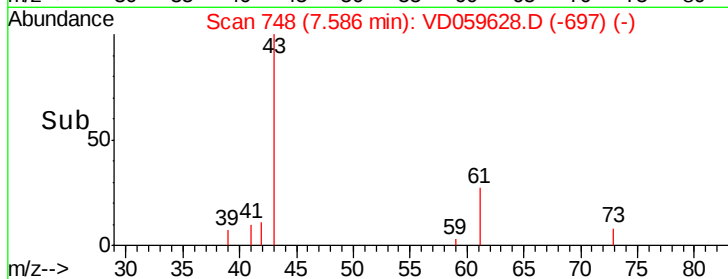
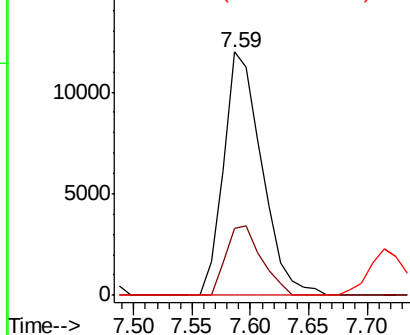
#43
Isopropyl Acetate
Concen: 21.18 ug/l
RT: 7.59 min Scan# 748
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion: 43 Resp: 27200
Ion Ratio Lower Upper
43 100
61 27.3 22.0 33.0
87 0.0 0.0 0.0

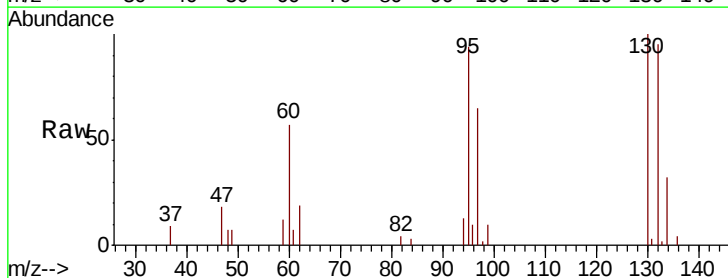


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

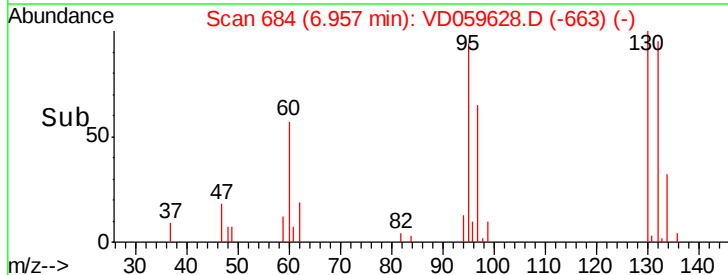
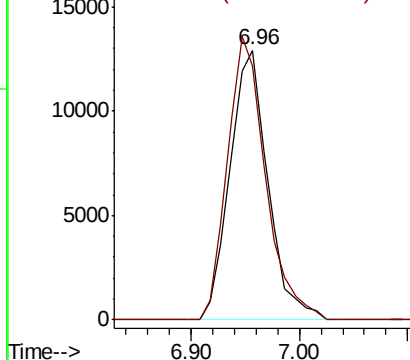


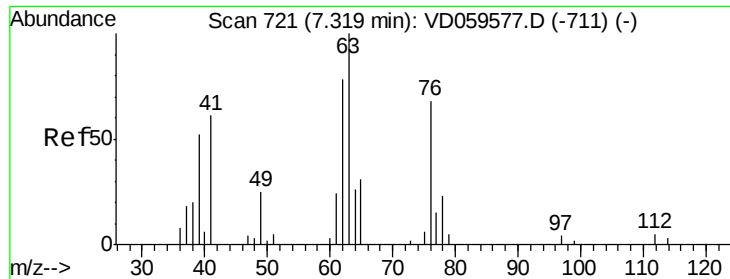
#44
Trichloroethene
Concen: 23.55 ug/l
RT: 6.96 min Scan# 684
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:130 Resp: 31536
Ion Ratio Lower Upper
130 100
95 94.1 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 20.54 ug/l

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

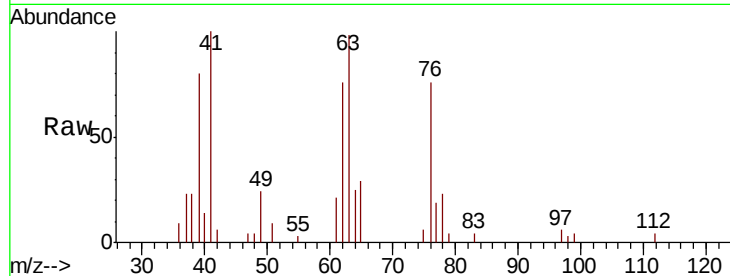
VD0730SBS01

Tot Ion: 63 Resp: 21239

Ion Ratio Lower Upper

63 100

65 29.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.32

10000

8000

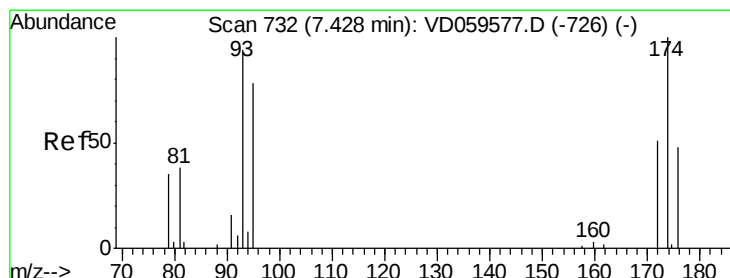
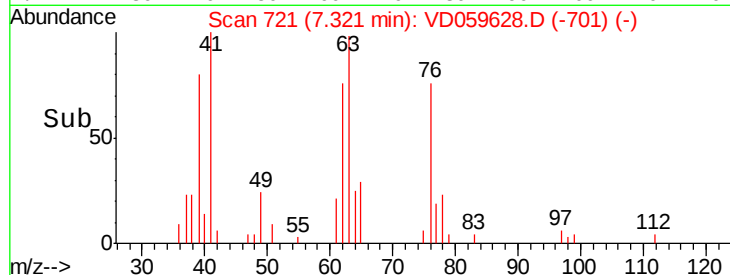
6000

4000

2000

0

Time--> 7.20 7.25 7.30 7.35 7.40



#46

Dibromomethane

Concen: 23.50 ug/l

RT: 7.43 min Scan# 732

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

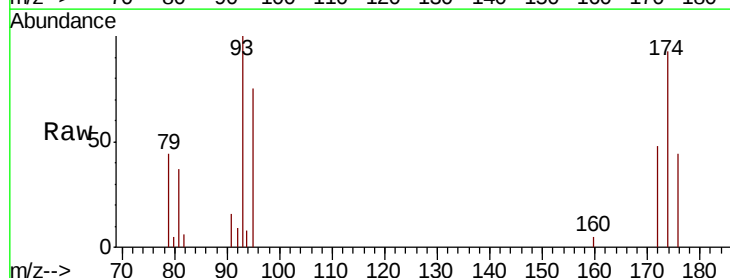
Tgt Ion: 93 Resp: 20544

Ion Ratio Lower Upper

93 100

95 75.1 65.8 98.8

174 93.5 84.7 127.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.43

12000

10000

8000

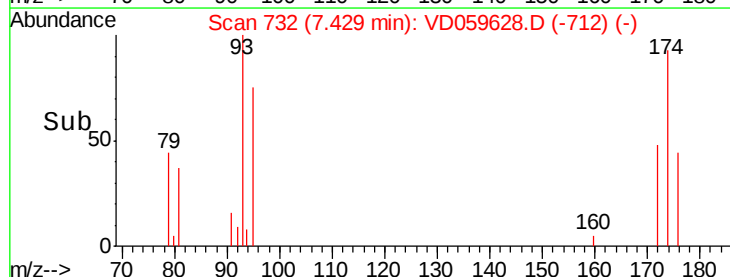
6000

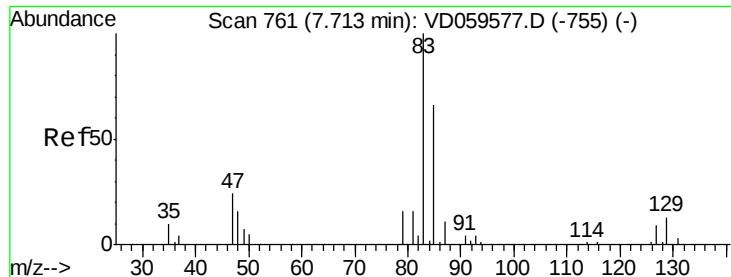
4000

2000

0

Time--> 7.35 7.40 7.45 7.50 7.55





#47

Bromodichloromethane

Concen: 23.83 ug/l

RT: 7.71 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

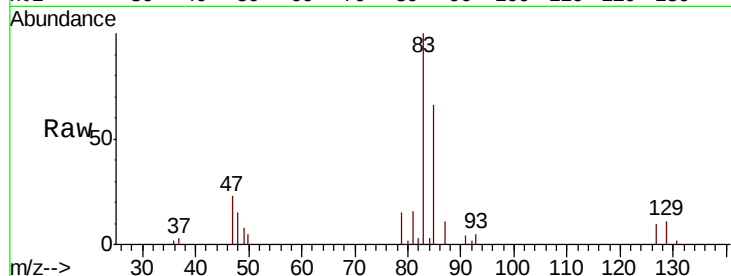
Tot Ion: 83 Resp: 49754

Ion Ratio Lower Upper

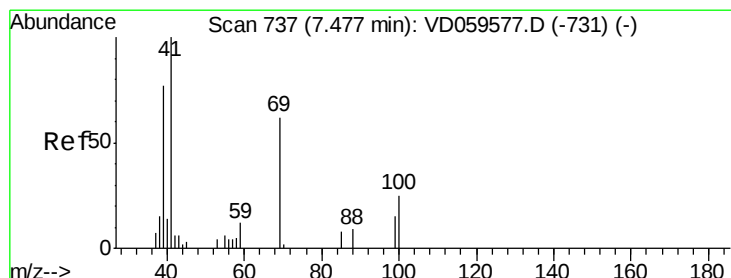
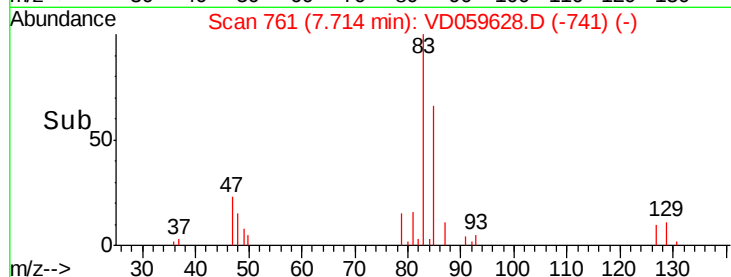
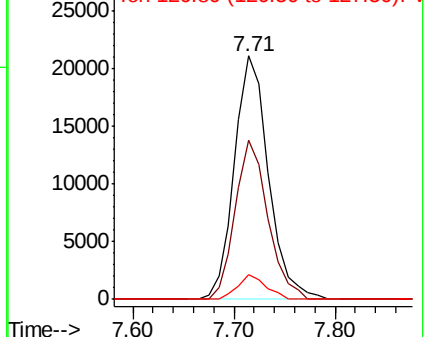
83 100

85 65.6 53.1 79.7

127 10.1 7.4 11.0



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: 22.55 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

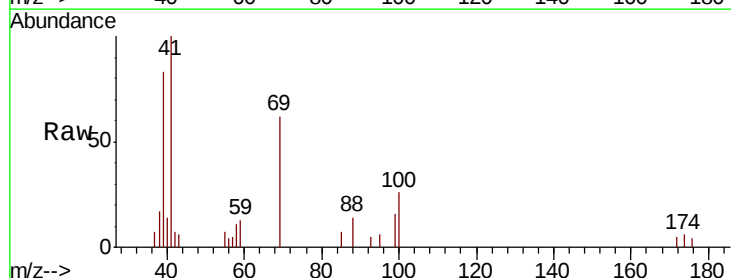
Tgt Ion: 41 Resp: 19209

Ion Ratio Lower Upper

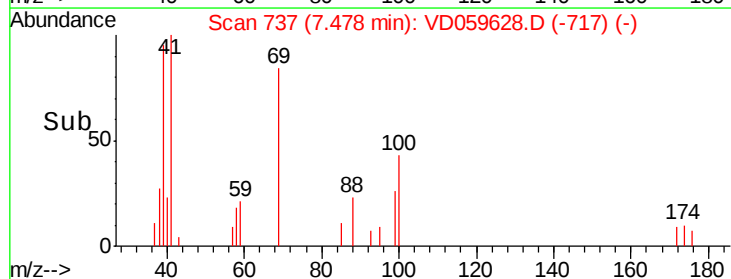
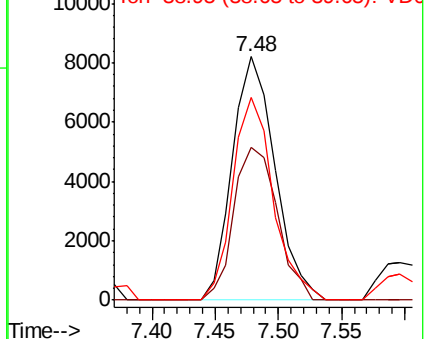
41 100

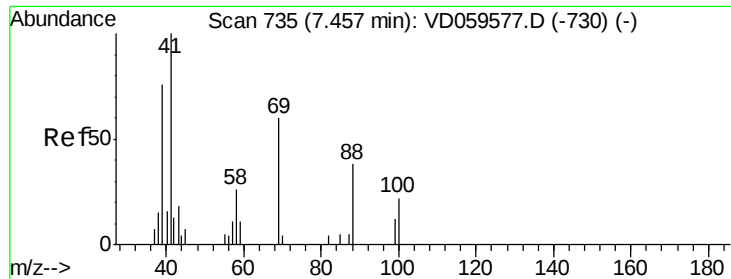
69 62.5 49.4 74.0

39 83.1 61.3 91.9



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: 372.06 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

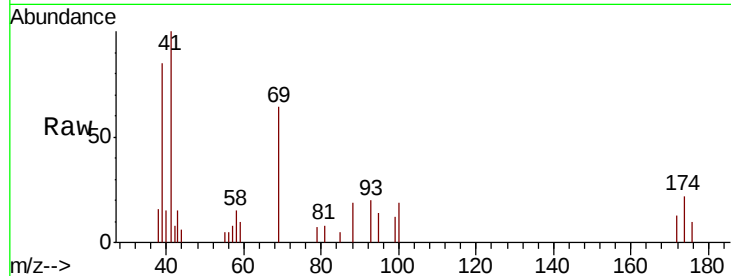
Tot Ion: 88 Resp: 2851

Ion Ratio Lower Upper

88 100

43 76.9 37.4 56.2#

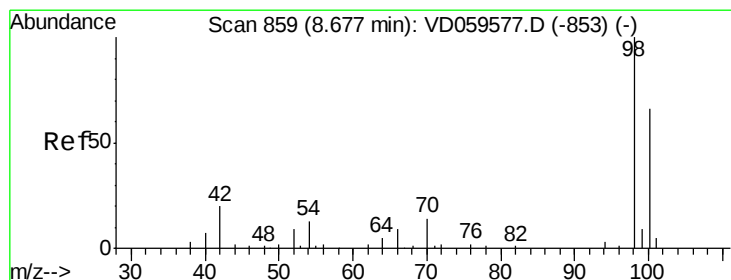
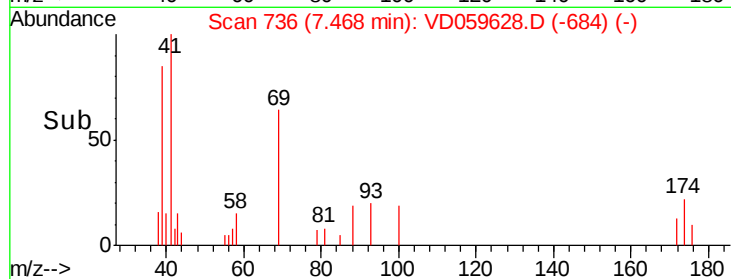
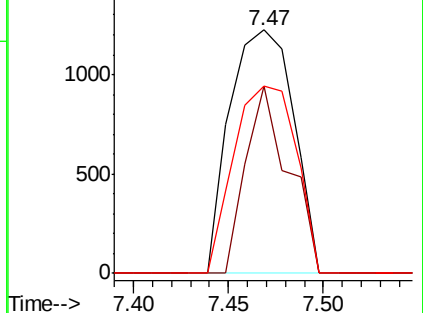
58 77.1 55.6 83.4



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: 372.06 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059628.D

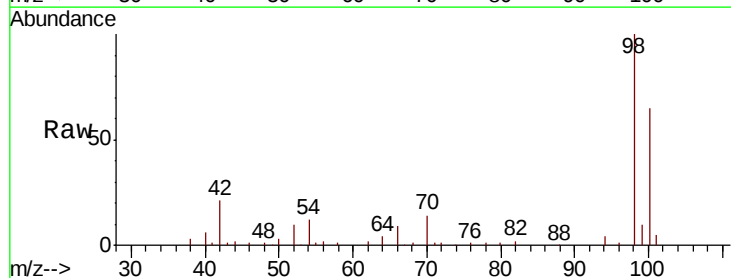
Acq: 30 Jul 2018 19:42

Tgt Ion: 98 Resp: 172661

Ion Ratio Lower Upper

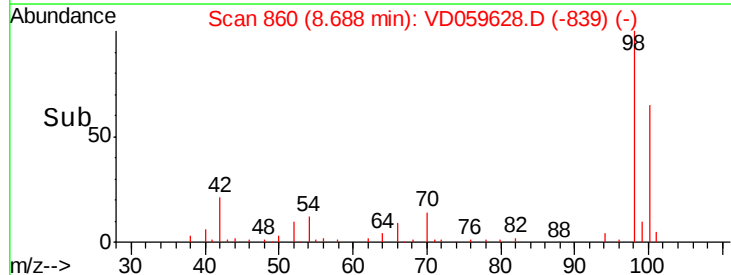
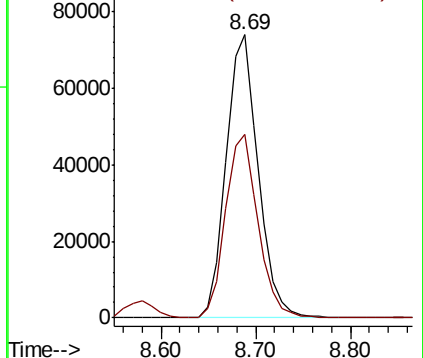
98 100

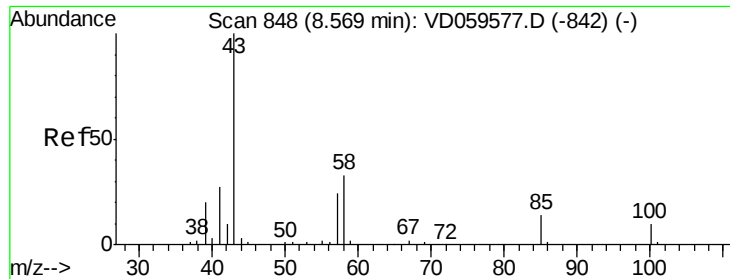
100 64.6 53.2 79.8



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: 104.48 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

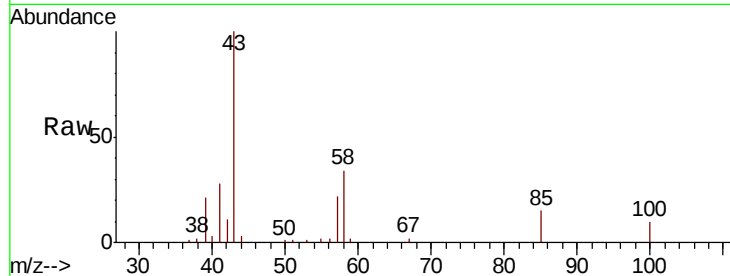
VD0730SBS01

Tot Ion: 43 Resp: 89612

Ion Ratio Lower Upper

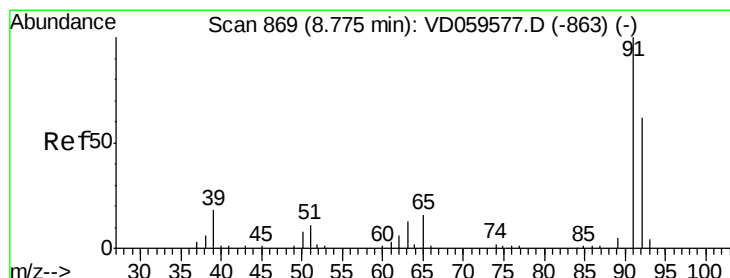
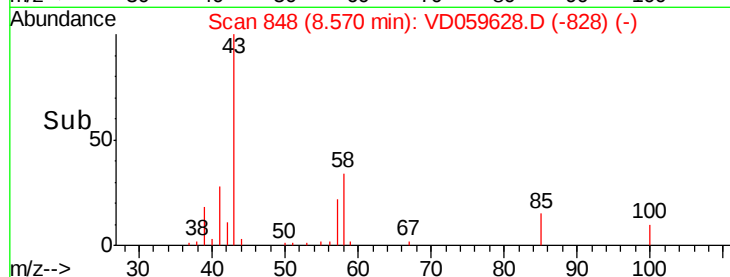
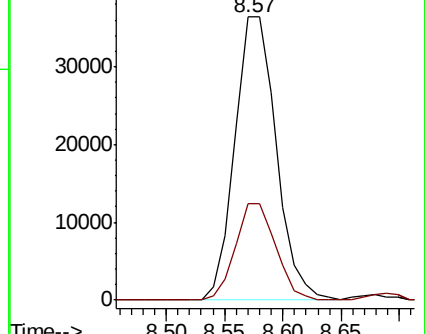
43 100

58 34.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.69 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059628.D

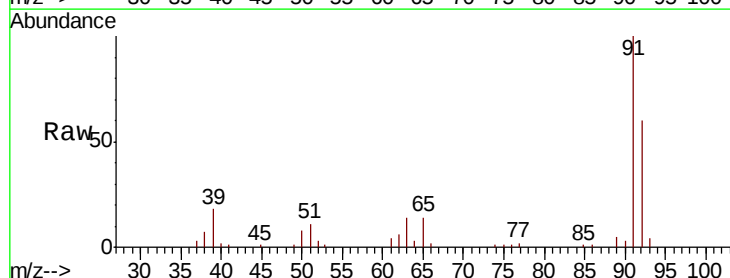
Acq: 30 Jul 2018 19:42

Tgt Ion: 92 Resp: 55553

Ion Ratio Lower Upper

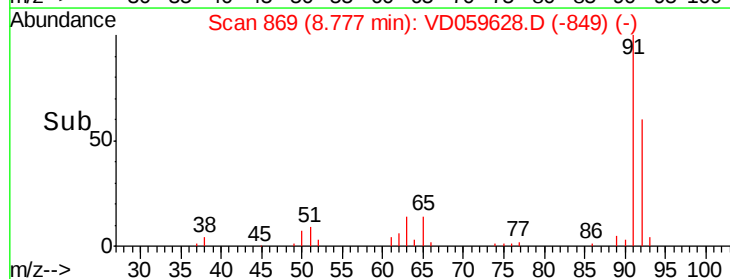
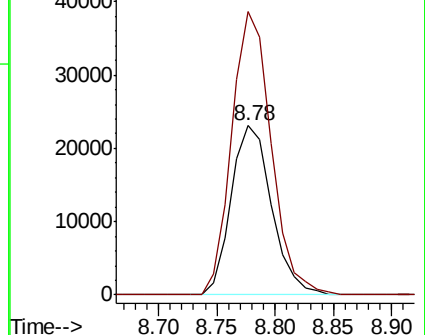
92 100

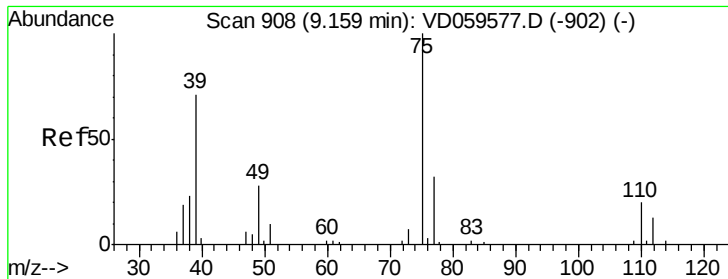
91 167.5 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.51 ug/l

RT: 9.16 min Scan# 908

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

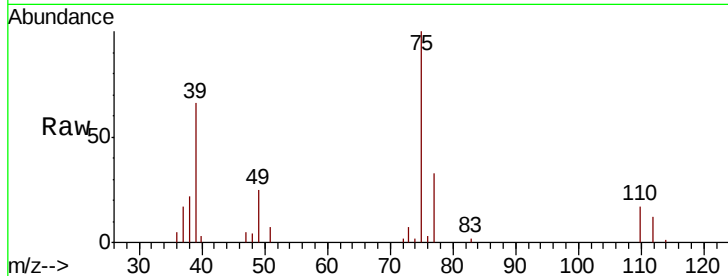
VD0730SBSD01

Tot Ion: 75 Resp: 42384

Ion Ratio Lower Upper

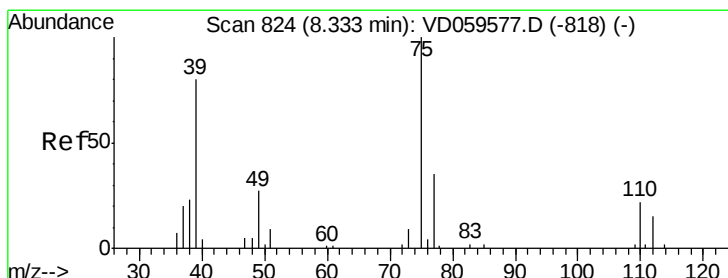
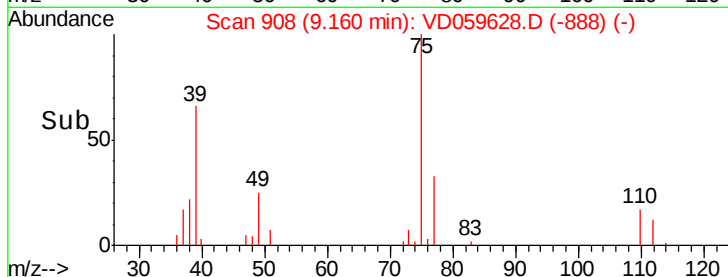
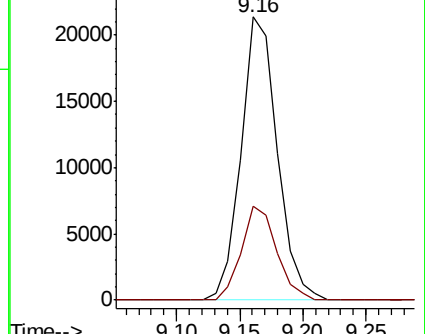
75 100

77 33.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.93 ug/l

RT: 8.33 min Scan# 824

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

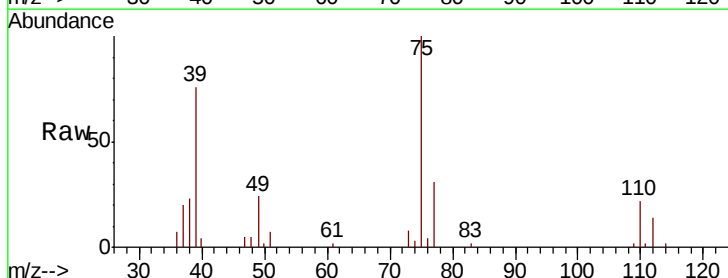
Tgt Ion: 75 Resp: 42880

Ion Ratio Lower Upper

75 100

77 30.6 27.7 41.5

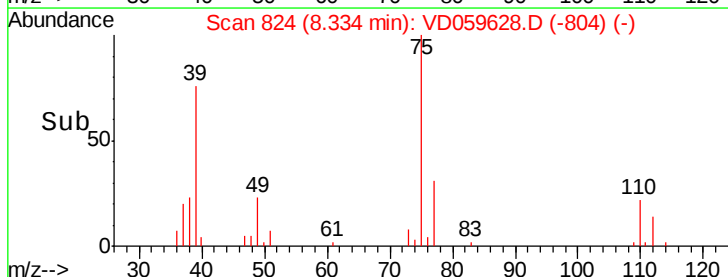
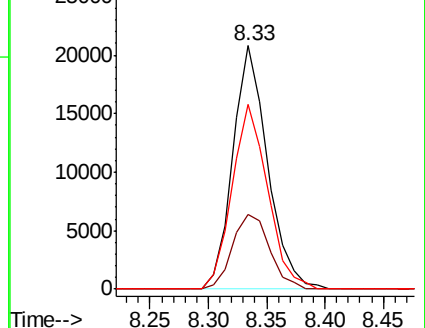
39 75.8 63.8 95.8

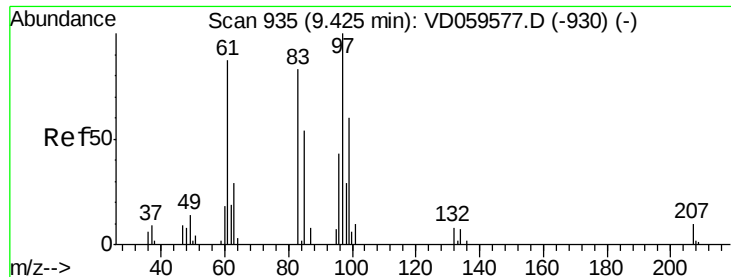


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.76 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

Tot Ion: 97 Resp: 20020

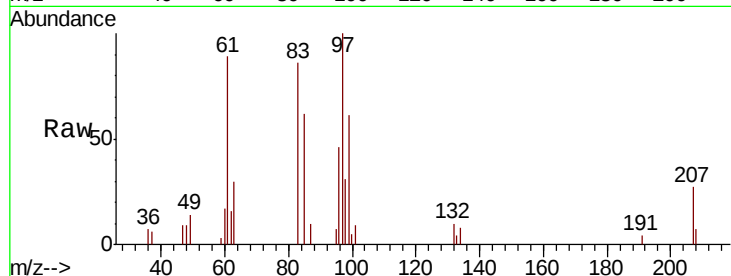
Ion Ratio Lower Upper

97 100

83 85.6 66.3 99.5

85 61.7 43.0 64.6

99 61.2 47.7 71.5

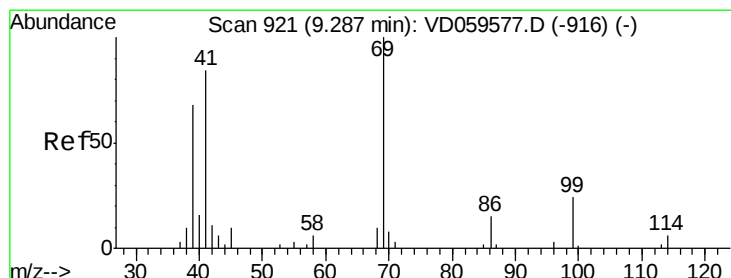
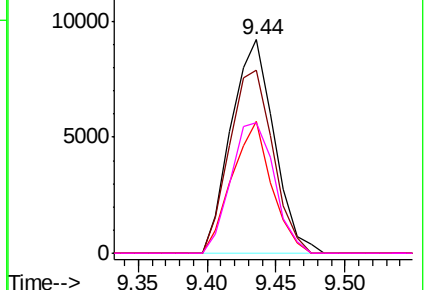
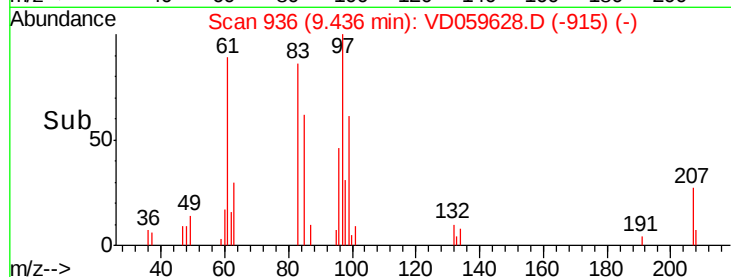


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.53 ug/l

RT: 9.29 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

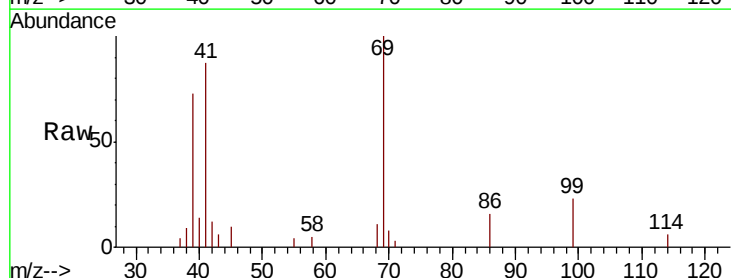
Tgt Ion: 69 Resp: 22470

Ion Ratio Lower Upper

69 100

41 86.8 66.8 100.2

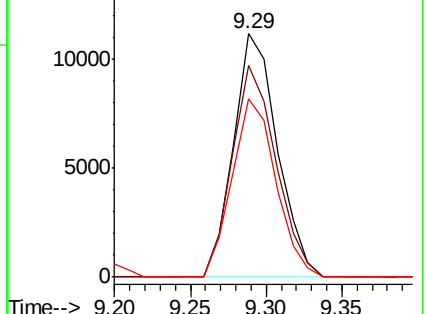
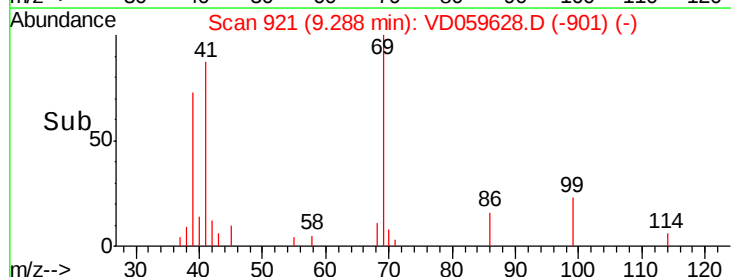
39 73.3 54.7 82.1

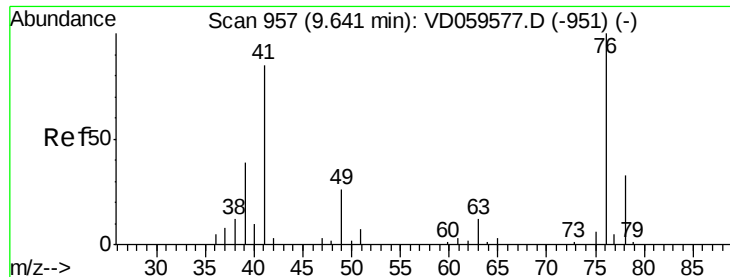


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.87 ug/l

RT: 9.64 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

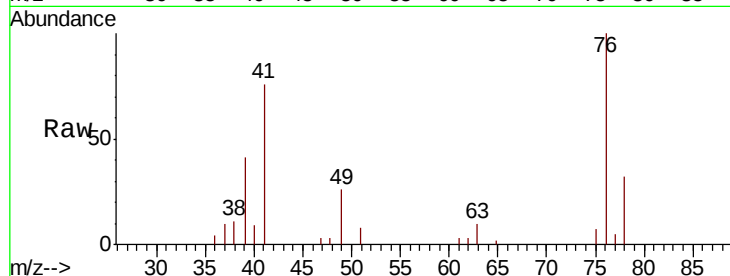
VD0730SBSD01

Tot Ion: 76 Resp: 31970

Ion Ratio Lower Upper

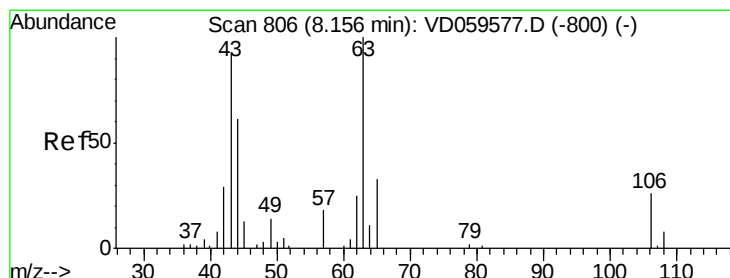
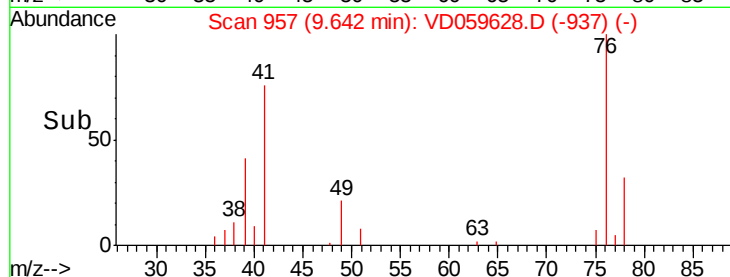
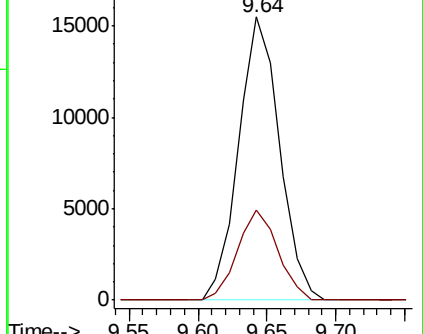
76 100

78 32.0 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.53 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059628.D

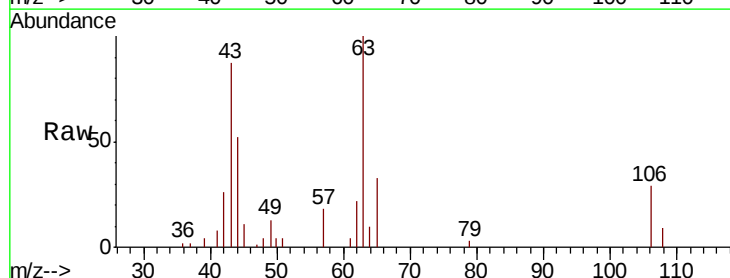
Acq: 30 Jul 2018 19:42

Tgt Ion: 63 Resp: 51260

Ion Ratio Lower Upper

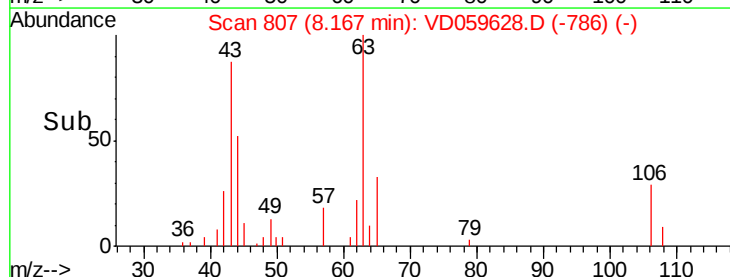
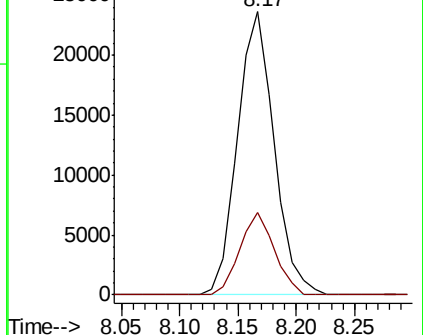
63 100

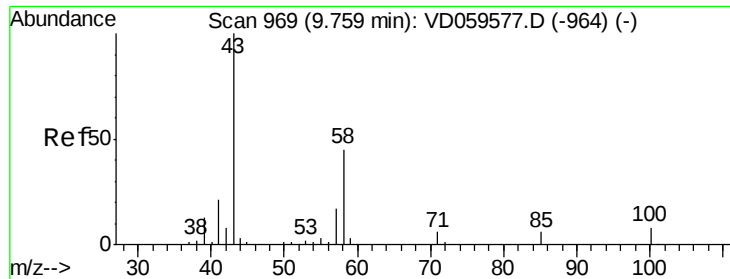
106 29.2 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

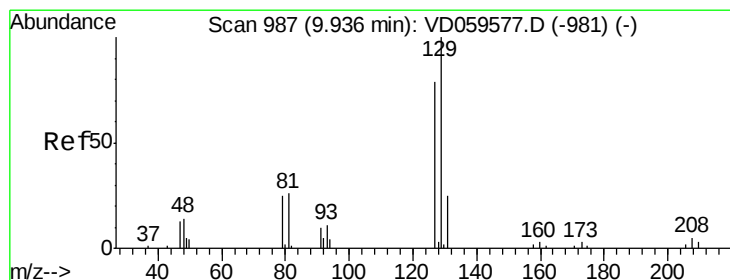
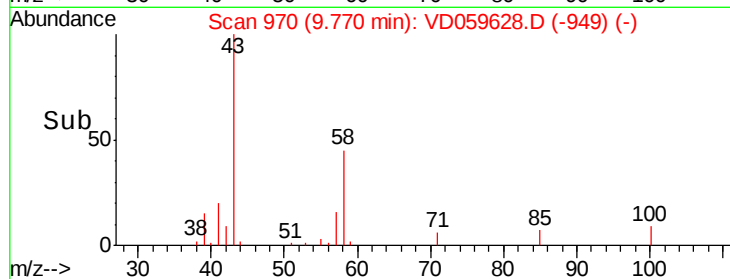
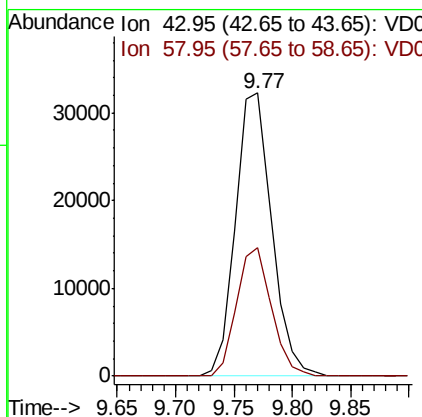
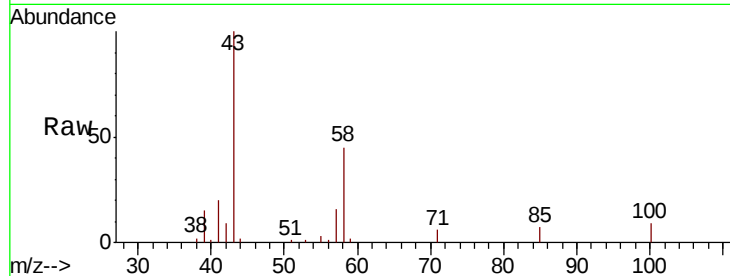




#59
2-Hexanone
Concen: 102.04 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

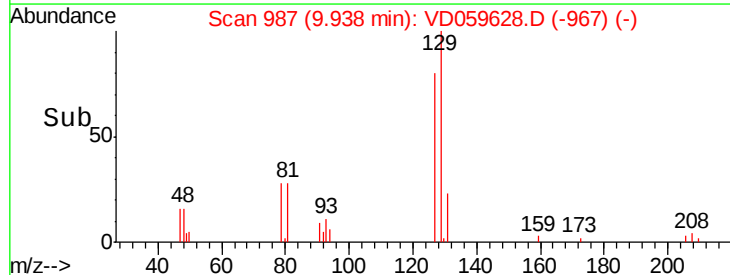
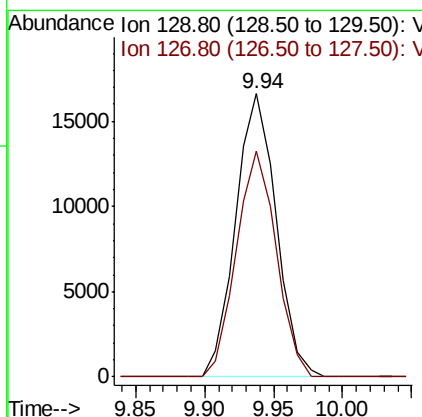
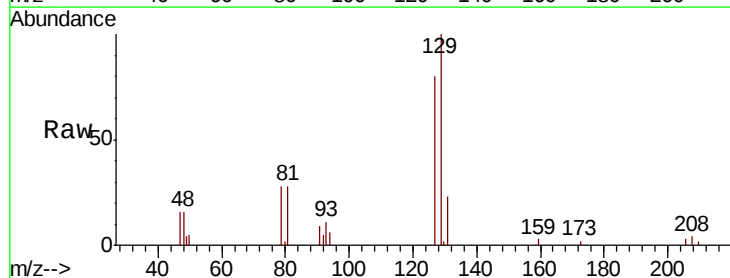
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

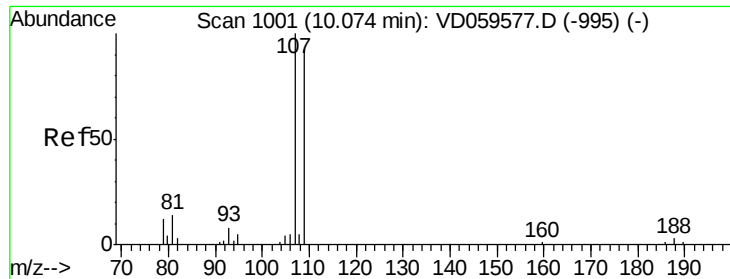
Tot Ion: 43 Resp: 69514
Ion Ratio Lower Upper
43 100
58 45.2 22.7 68.1



#60
Dibromochloromethane
Concen: 22.29 ug/l
RT: 9.94 min Scan# 987
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:129 Resp: 34033
Ion Ratio Lower Upper
129 100
127 79.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 22.39 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

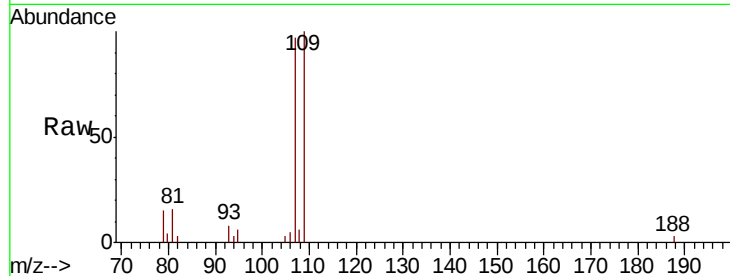
VD0730SBSD01

Tot Ion:107 Resp: 24409

Ion Ratio Lower Upper

107 100

109 103.0 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

15000

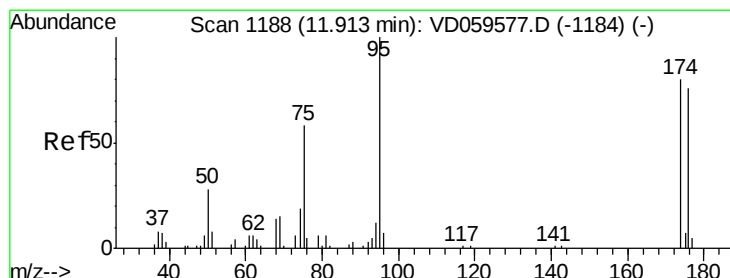
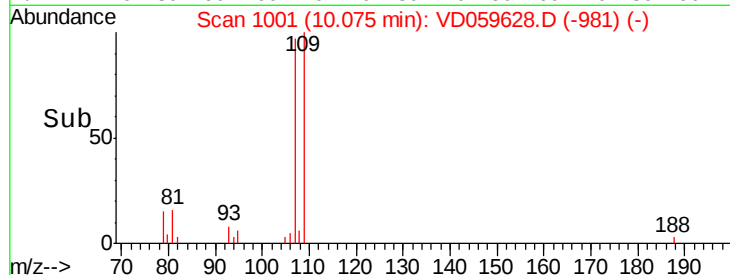
10000

5000

0

Time-->

10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 22.39 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

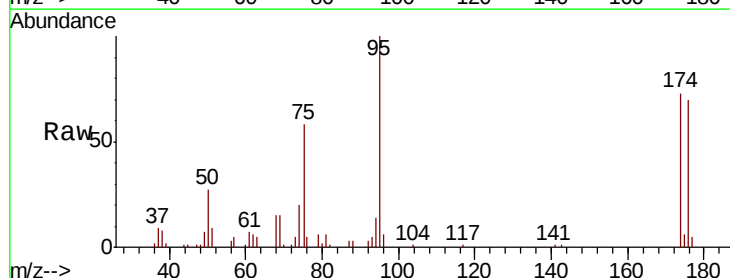
Tgt Ion: 95 Resp: 81001

Ion Ratio Lower Upper

95 100

174 72.7 0.0 160.6

176 70.2 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.91

60000

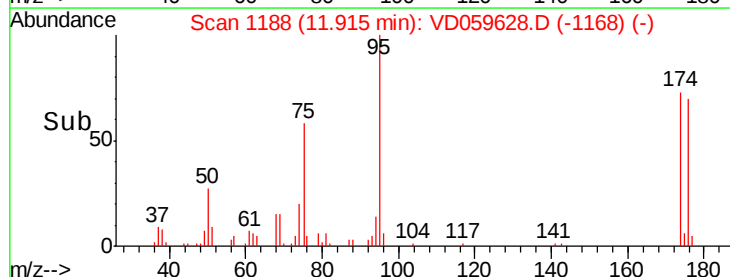
40000

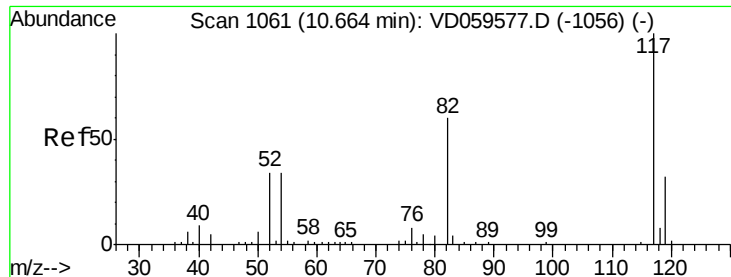
20000

0

Time-->

11.85 11.90 11.95 12.00





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

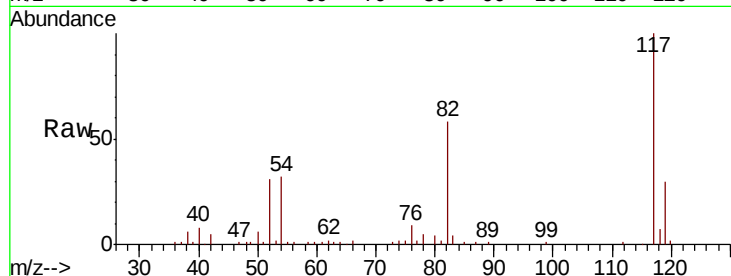
Tot Ion:117 Resp: 147907

Ion Ratio Lower Upper

117 100

82 57.9 48.2 72.2

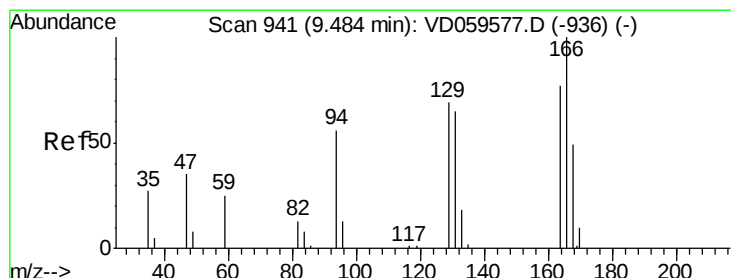
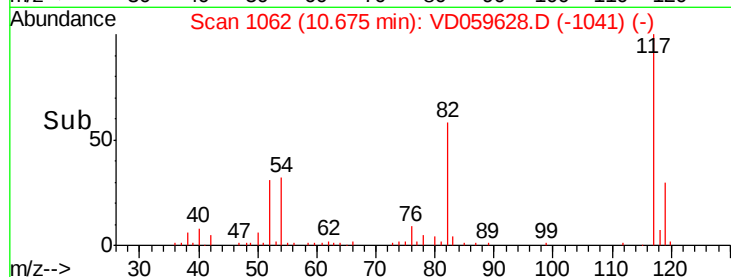
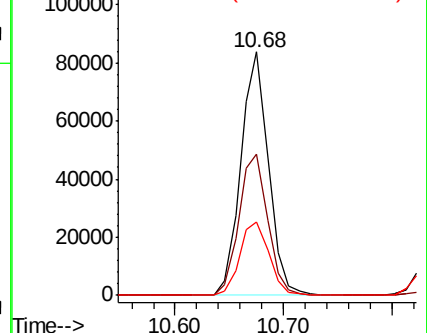
119 30.0 25.4 38.2



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: 22.16 ug/l

RT: 9.49 min Scan# 942

Delta R.T. 0.01 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Tgt Ion:164 Resp: 29702

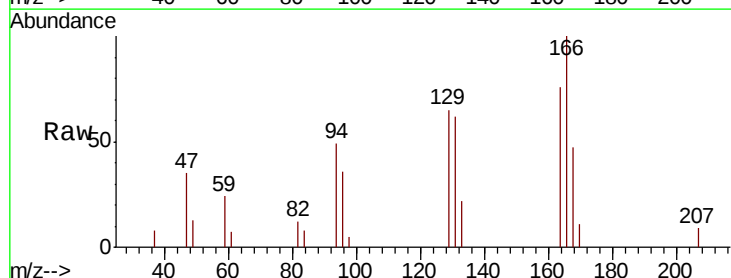
Ion Ratio Lower Upper

164 100

166 132.3 104.0 156.0

129 86.5 72.2 108.4

131 81.9 67.7 101.5

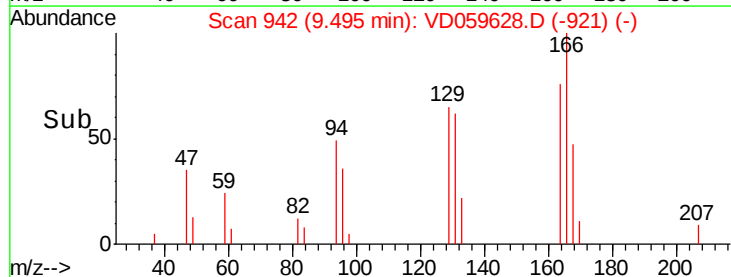
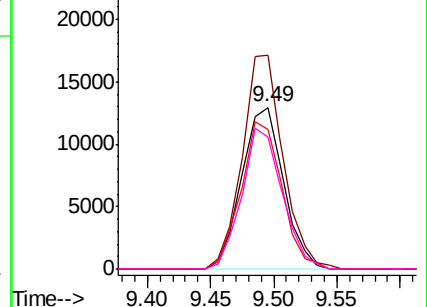


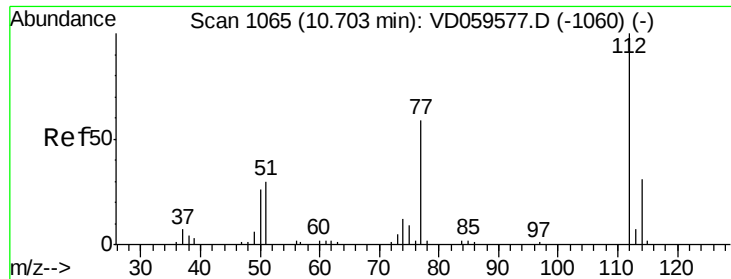
Abundance Ion 163.85 (163.55 to 164.55): V

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

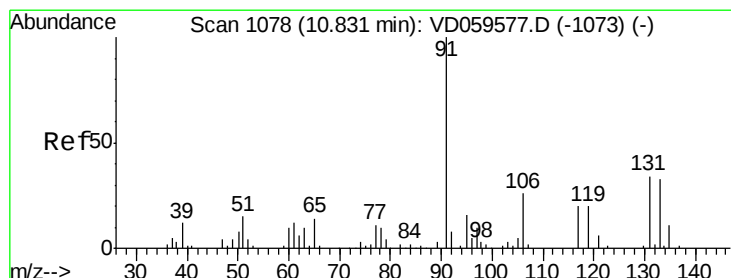
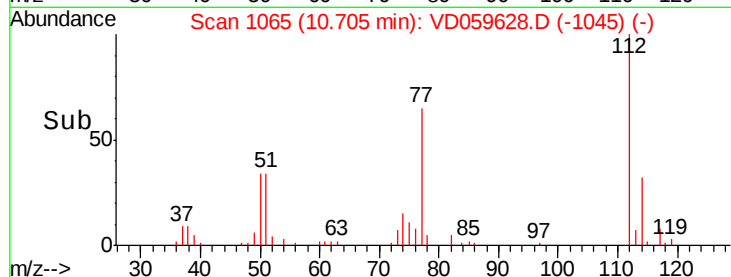
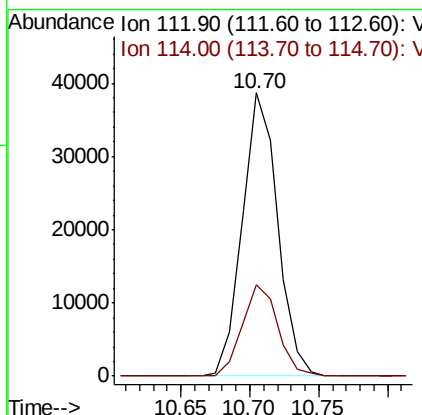
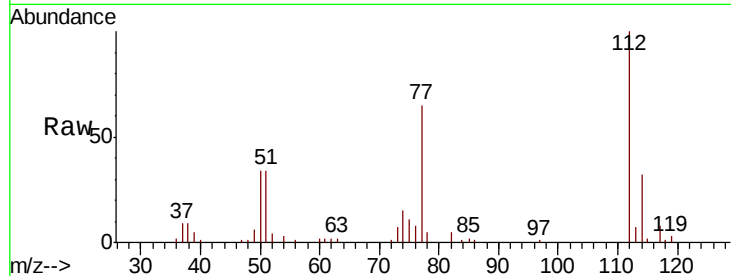




#65
Chlorobenzene
Concen: 22.82 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

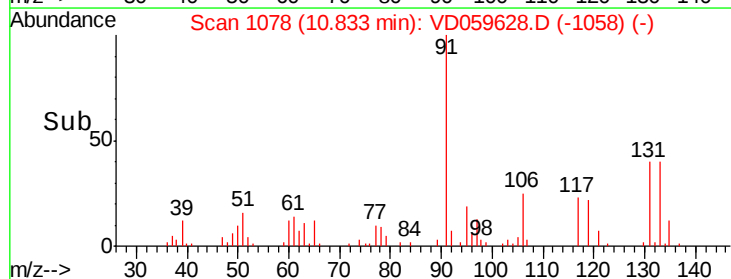
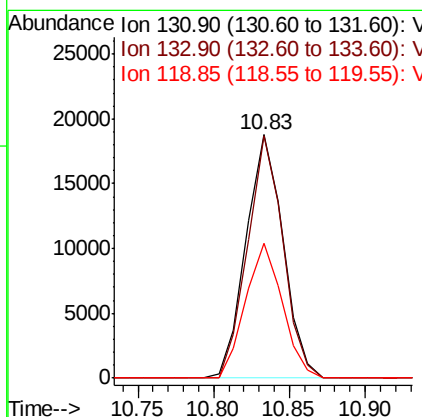
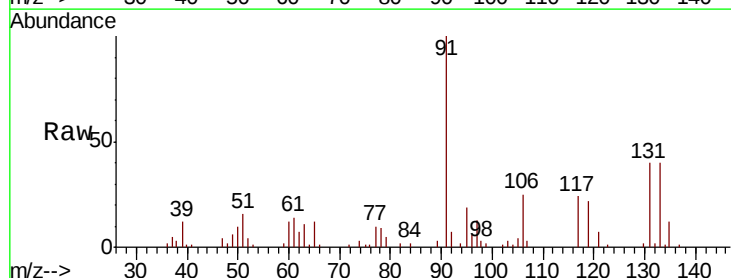
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

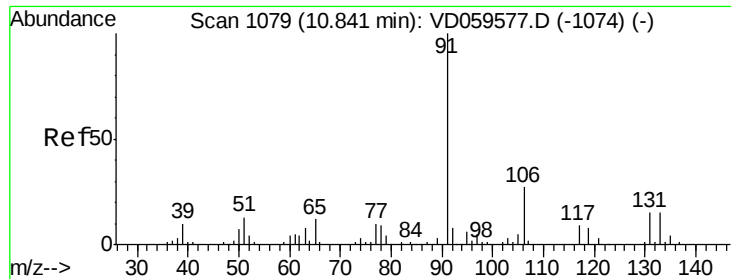
Tot Ion:112 Resp: 69178
Ion Ratio Lower Upper
112 100
114 32.5 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 24.37 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:131 Resp: 32139
Ion Ratio Lower Upper
131 100
133 99.4 47.9 143.7
119 55.4 28.7 86.1

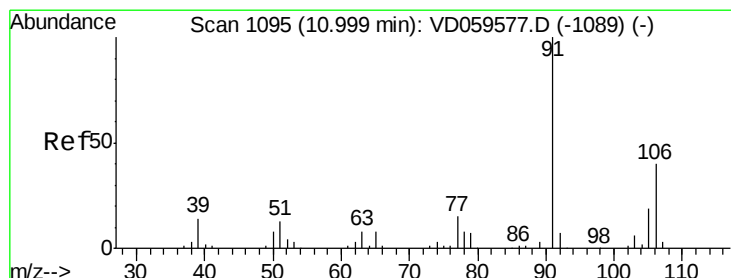
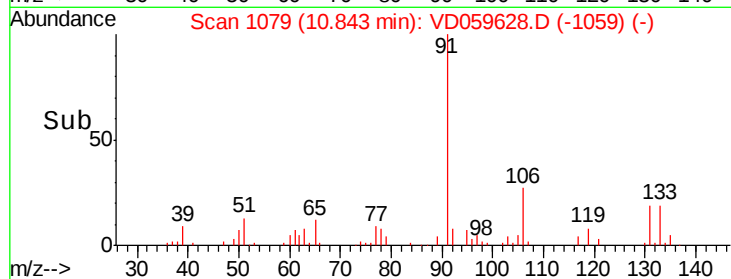
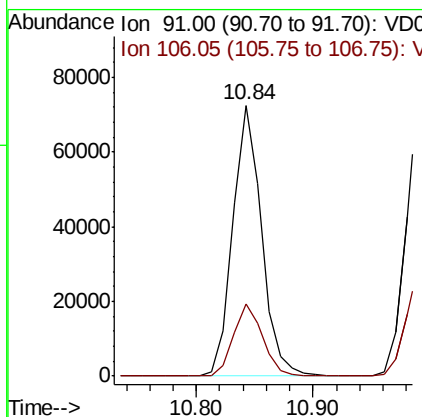
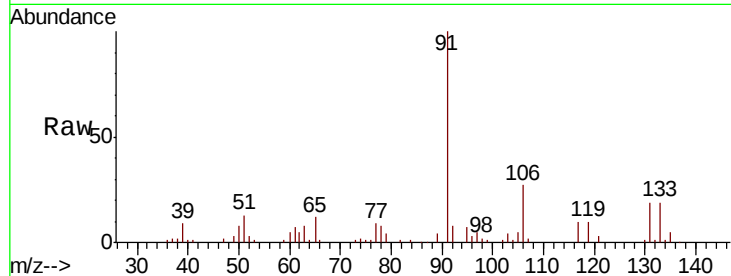




#67
Ethyl Benzene
Concen: 23.74 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

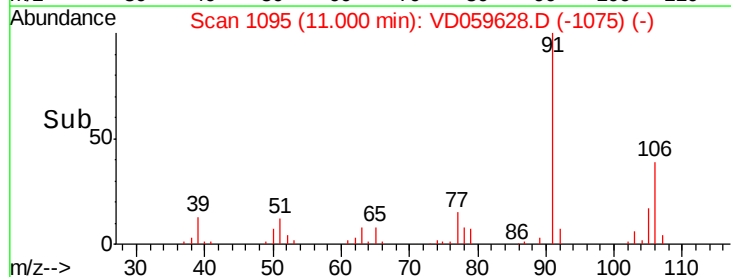
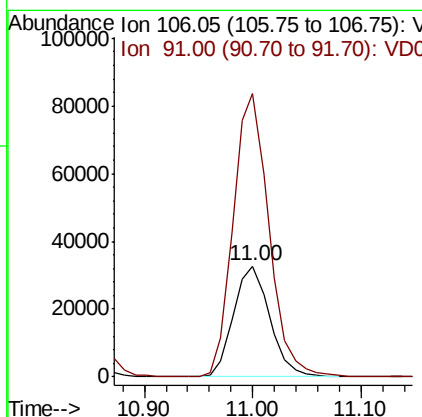
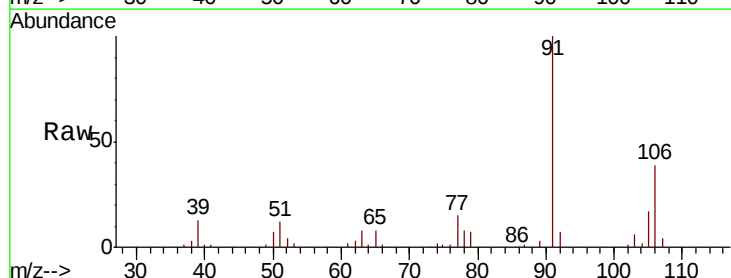
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 91 Resp: 123752
Ion Ratio Lower Upper
91 100
106 26.7 21.6 32.4



#68
m/p-Xylenes
Concen: 43.74 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 106 Resp: 76142
Ion Ratio Lower Upper
106 100
91 255.2 198.2 297.4

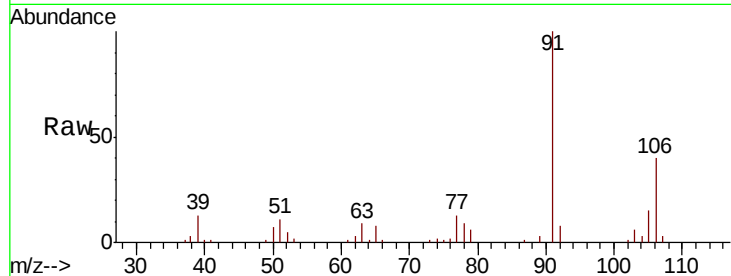




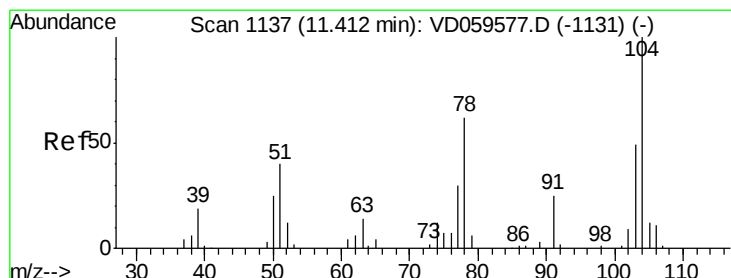
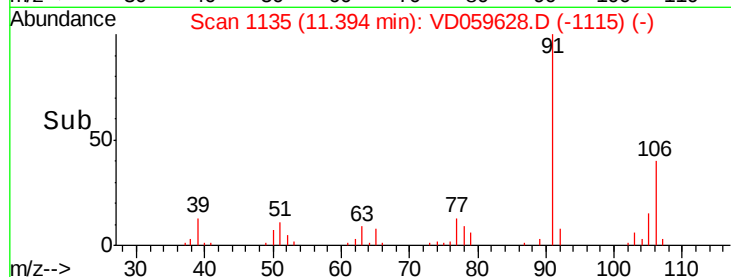
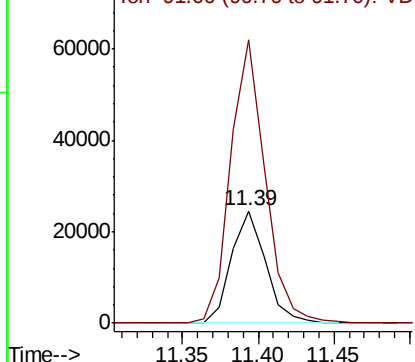
#69
o-Xylene
Concen: 22.80 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:106 Resp: 38509
Ion Ratio Lower Upper
106 100
91 252.7 122.7 368.1

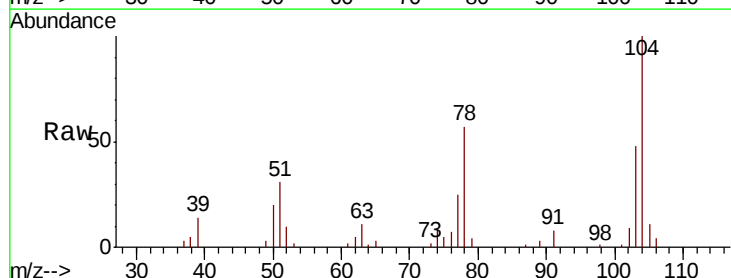


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

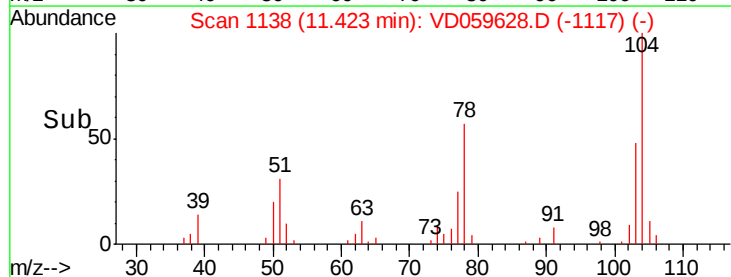
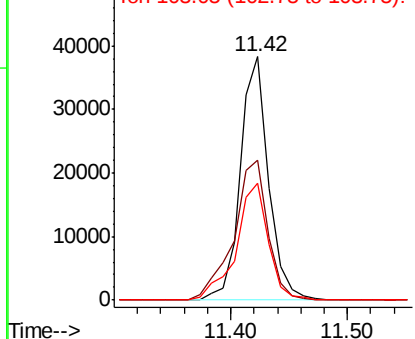


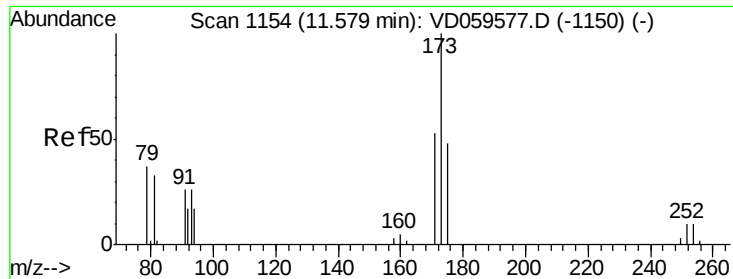
#70
Styrene
Concen: 22.80 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:104 Resp: 63846
Ion Ratio Lower Upper
104 100
78 57.3 49.4 74.0
103 48.2 39.0 58.6



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

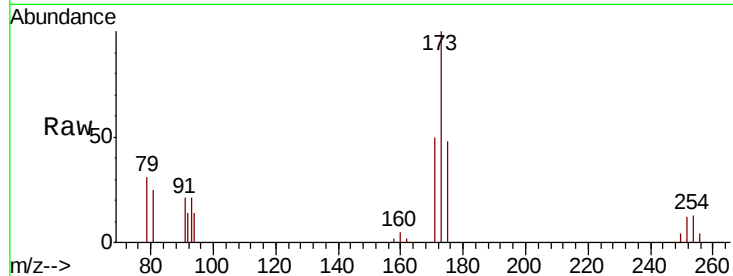




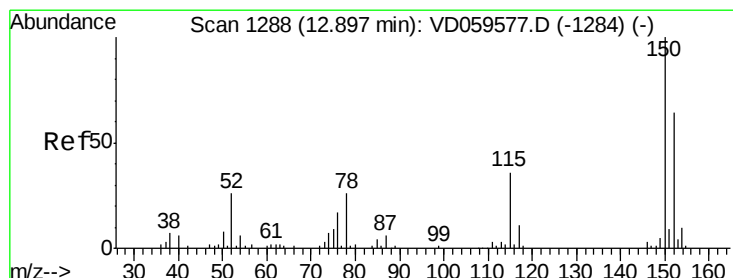
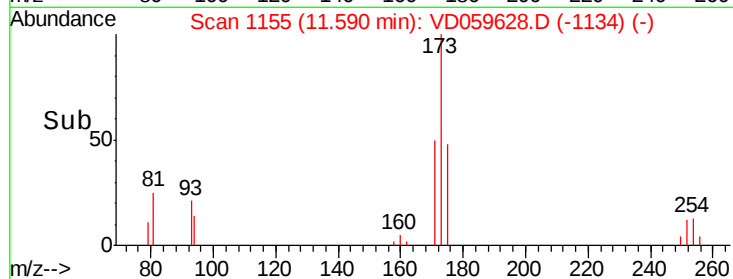
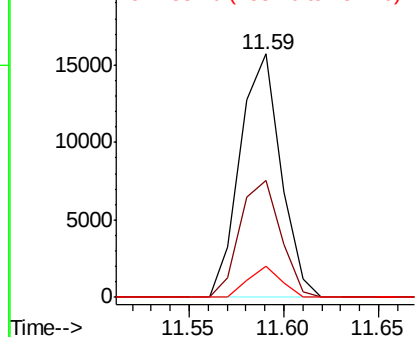
#71
Bromoform
Concen: 21.84 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion:173 Resp: 23456
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.4
254 12.6 7.8 11.6#

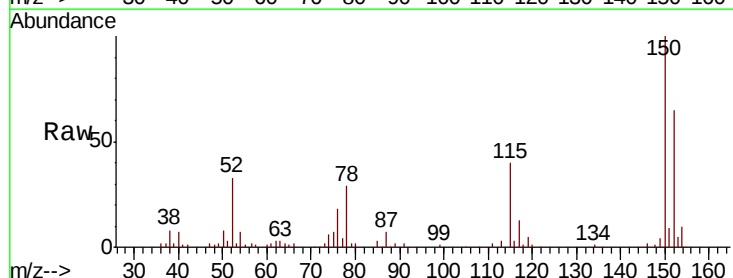


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

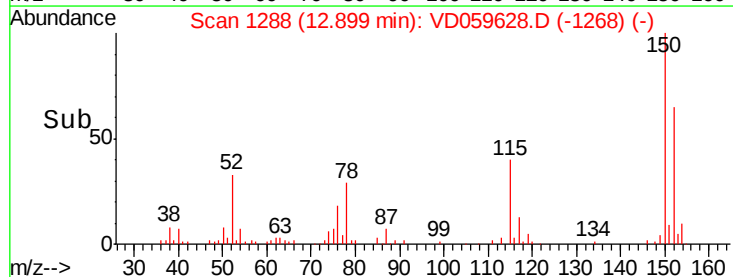
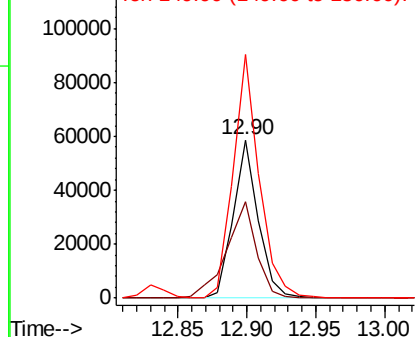


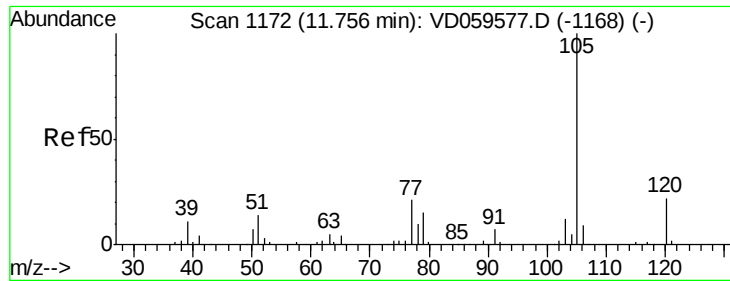
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:152 Resp: 74030
Ion Ratio Lower Upper
152 100
115 61.1 29.5 88.6
150 153.6 0.0 314.4



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: 22.25 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

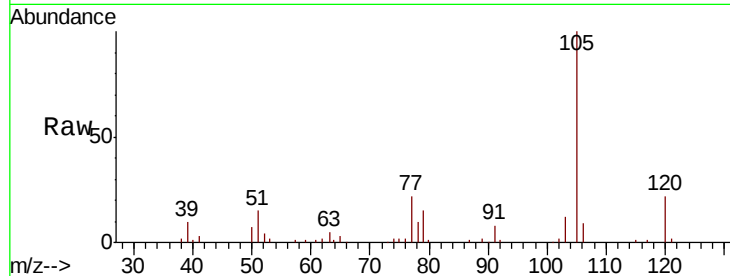
VD0730SBS01

Tot Ion:105 Resp: 116370

Ion Ratio Lower Upper

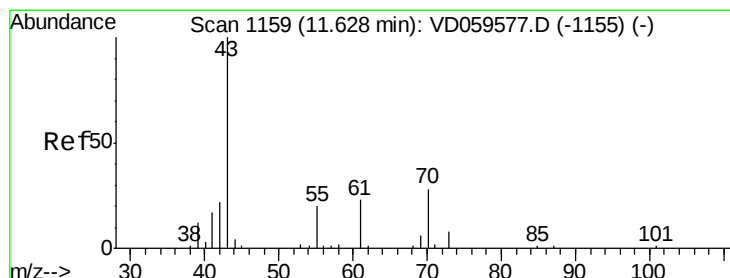
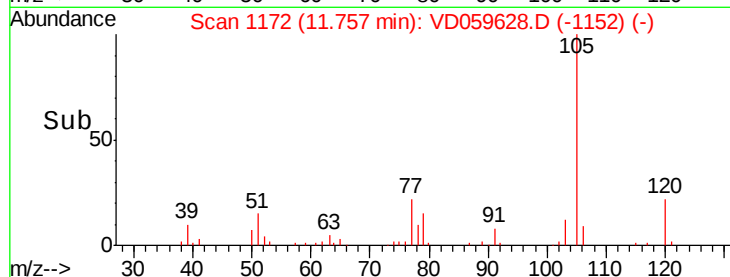
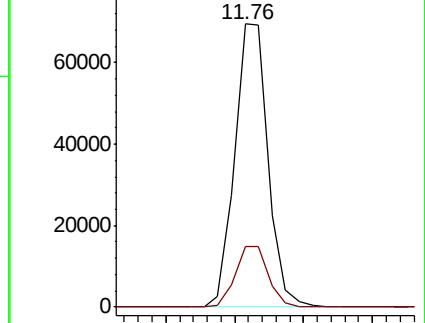
105 100

120 21.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.04 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Tgt Ion: 43 Resp: 37696

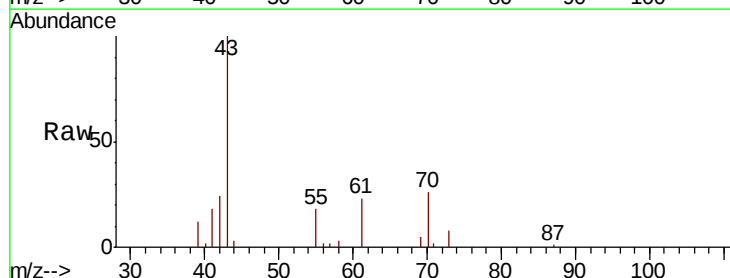
Ion Ratio Lower Upper

43 100

70 26.3 22.0 33.0

55 18.4 16.2 24.2

61 23.0 18.6 27.8

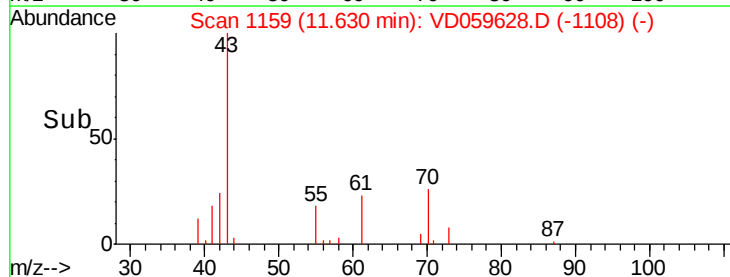
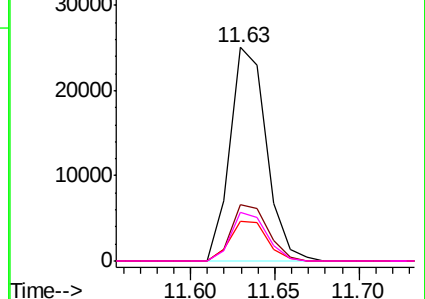


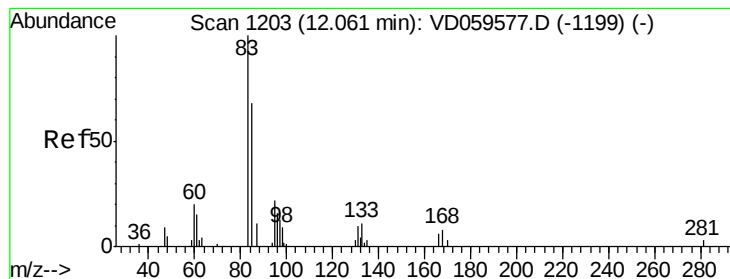
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.55 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

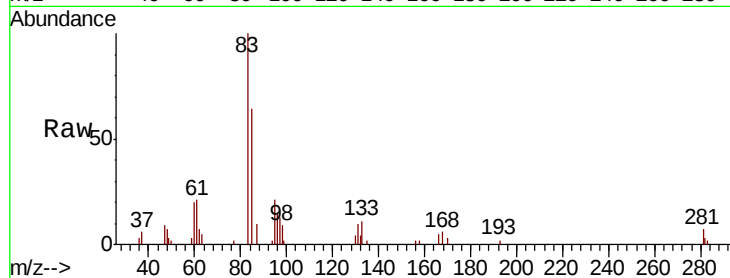
Tot Ion: 83 Resp: 24076

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

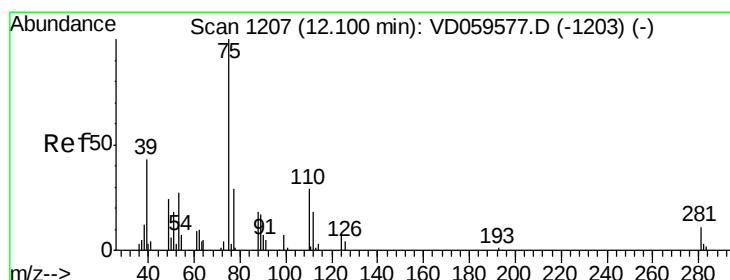
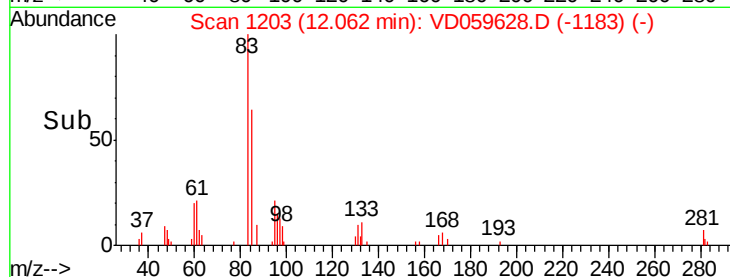
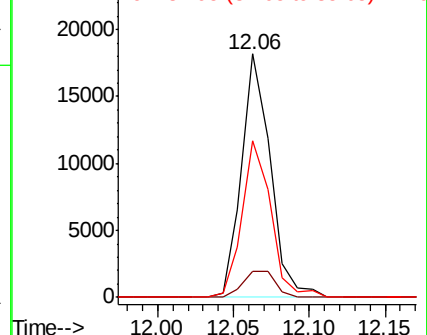
85 64.1 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.60 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VD059628.D

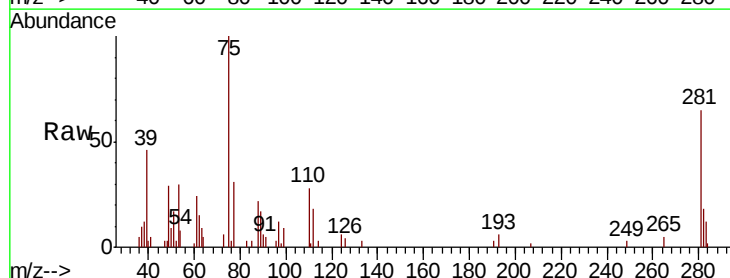
Acq: 30 Jul 2018 19:42

Tgt Ion: 75 Resp: 26439

Ion Ratio Lower Upper

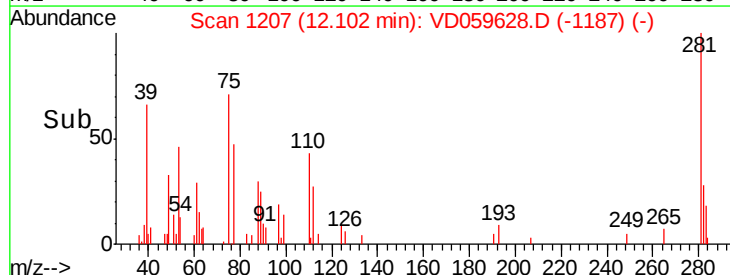
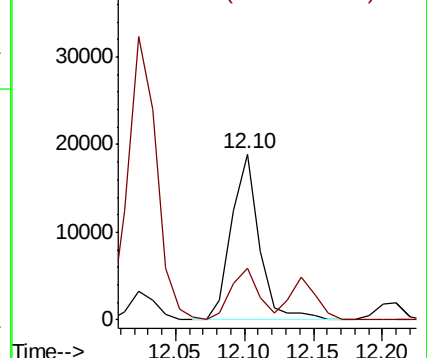
75 100

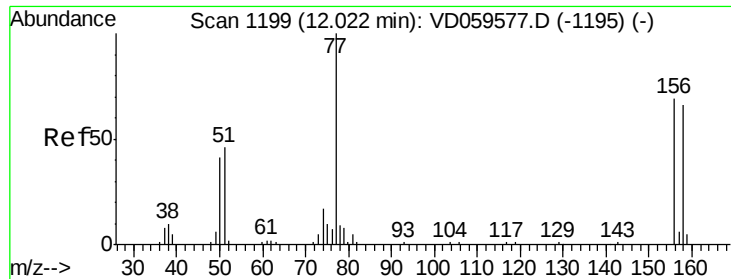
77 31.0 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

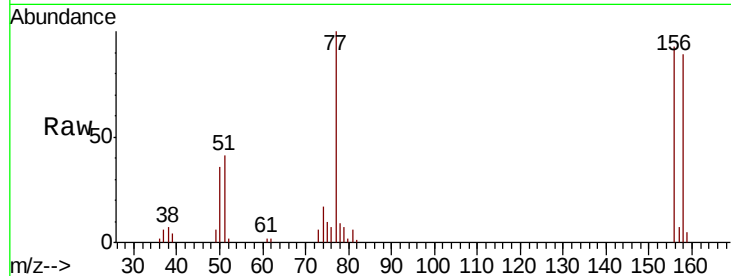




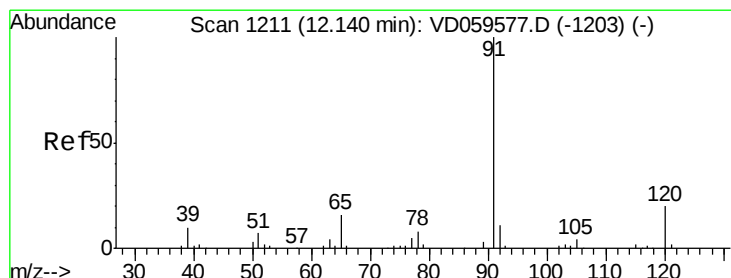
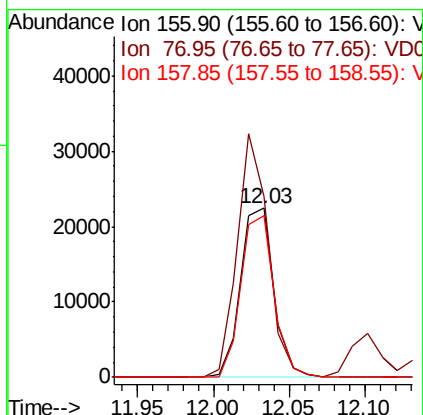
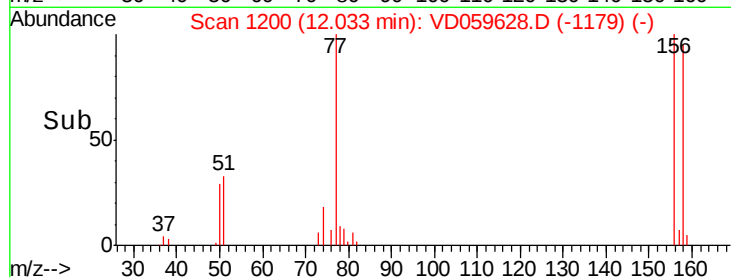
#77
Bromobenzene
Concen: 22.31 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion:156 Resp: 34152
Ion Ratio Lower Upper
156 100
77 107.2 72.4 217.2
158 95.3 48.0 144.2

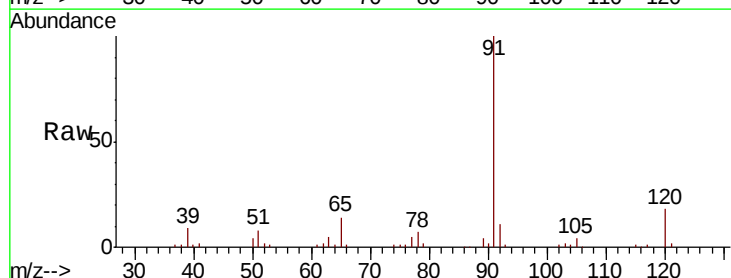


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

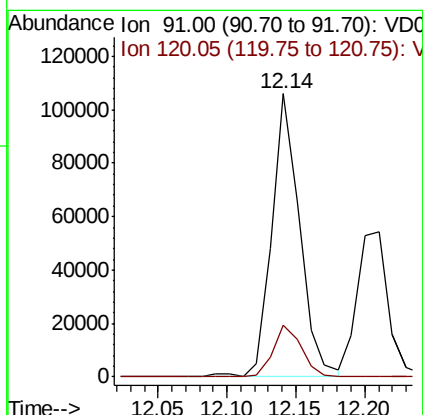
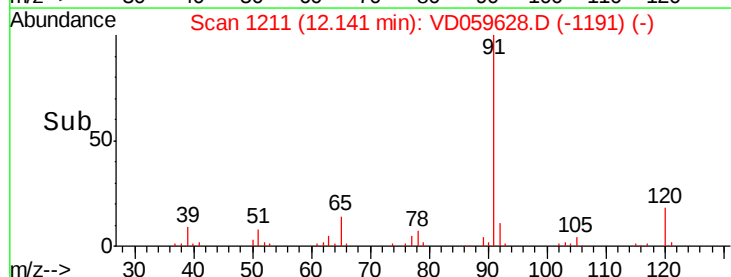


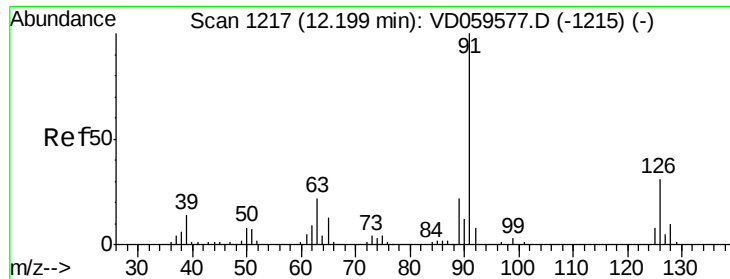
#78
n-propylbenzene
Concen: 23.38 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 91 Resp: 148538
Ion Ratio Lower Upper
91 100
120 18.4 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

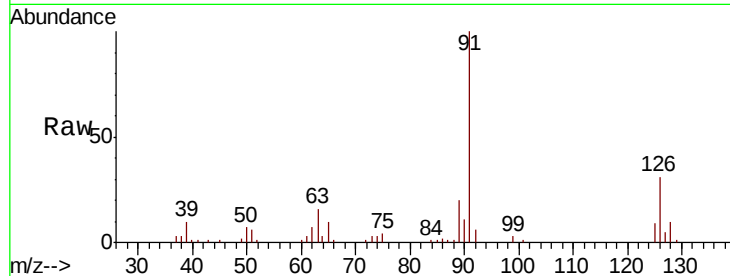




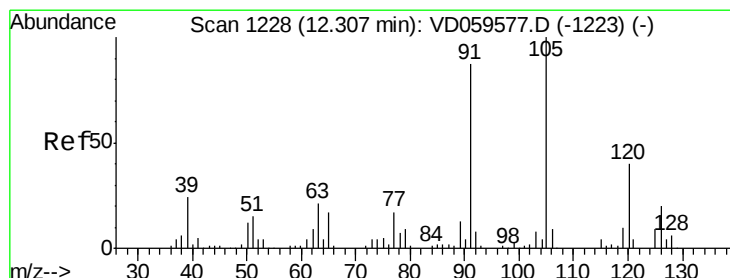
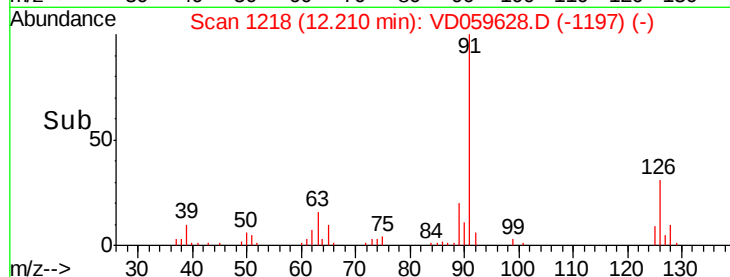
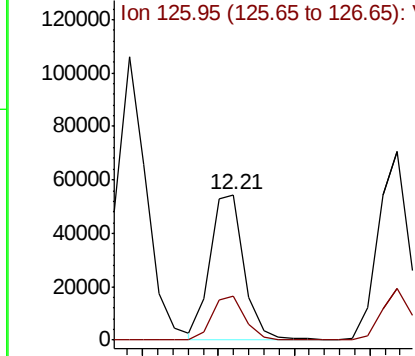
#79
 2-Chlorotoluene
 Concen: 22.59 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion: 91 Resp: 85600
 Ion Ratio Lower Upper
 91 100
 126 30.7 14.5 43.6

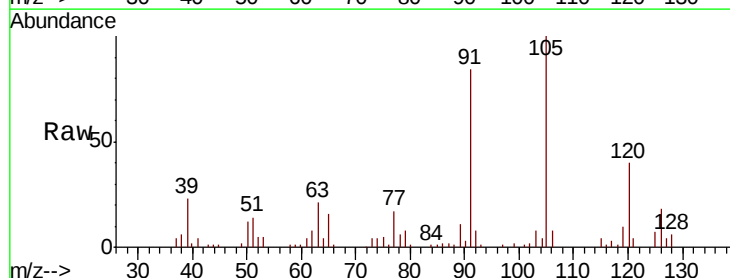


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

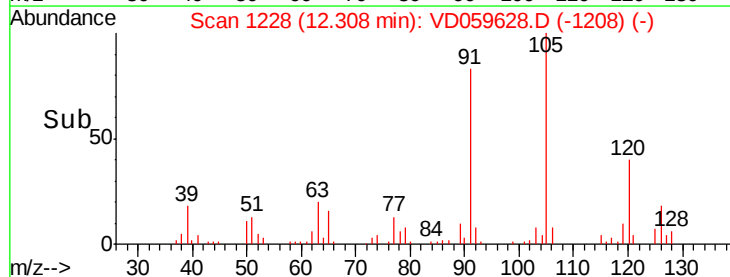
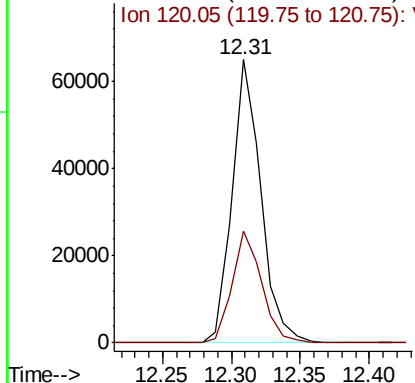


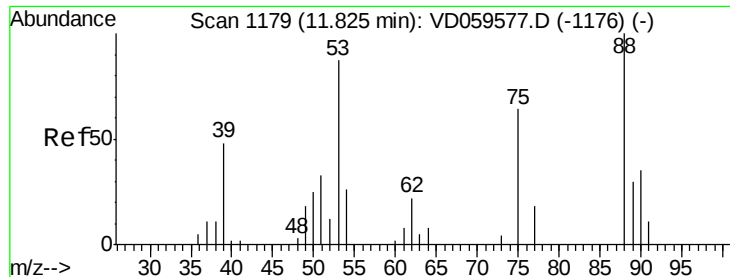
#80
 1,3,5-Trimethylbenzene
 Concen: 22.84 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 105 Resp: 94307
 Ion Ratio Lower Upper
 105 100
 120 39.6 19.9 59.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.78 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059628.D

Acq: 30 Jul 2018 19:42

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBSD01

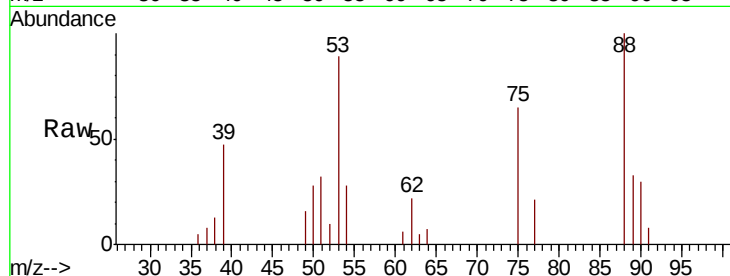
Tot Ion: 75 Resp: 6817

Ion Ratio Lower Upper

75 100

53 137.8 107.7 161.5

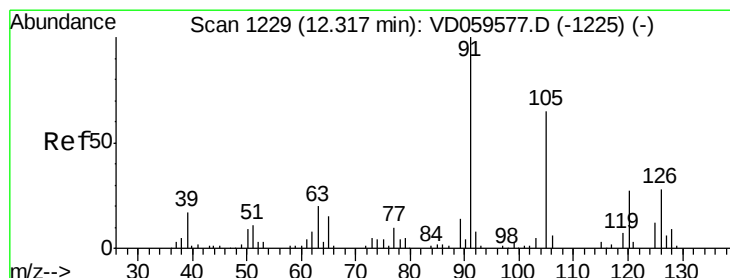
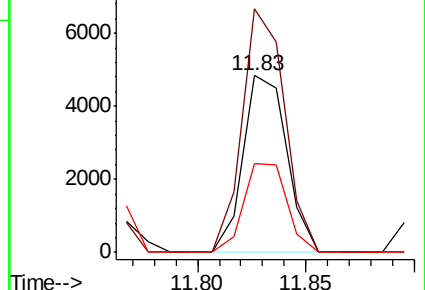
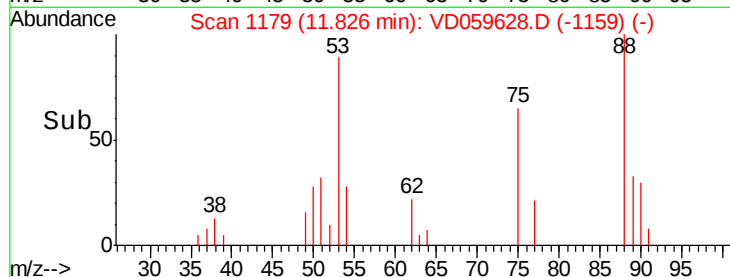
89 50.3 37.3 55.9



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: 23.87 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059628.D

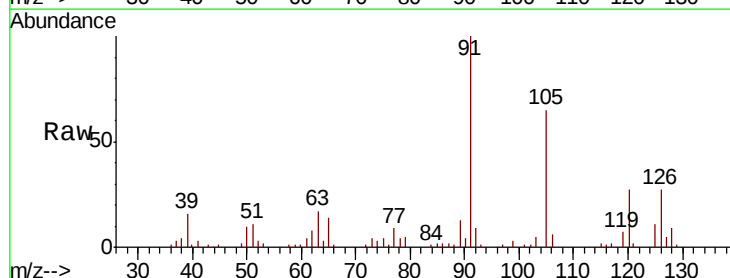
Acq: 30 Jul 2018 19:42

Tgt Ion: 91 Resp: 102277

Ion Ratio Lower Upper

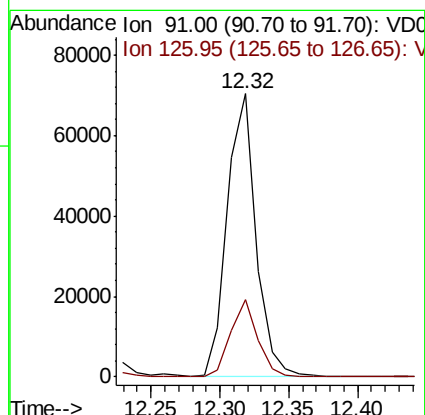
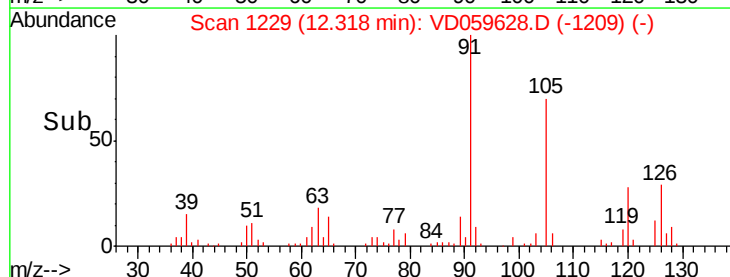
91 100

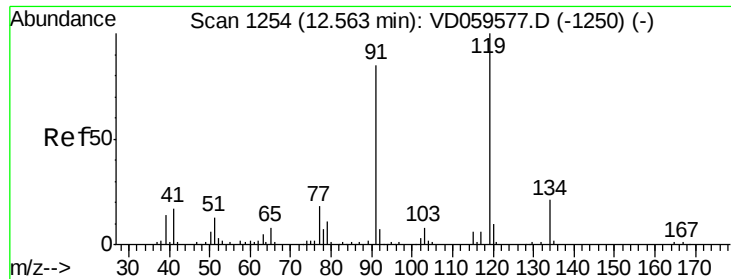
126 27.3 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

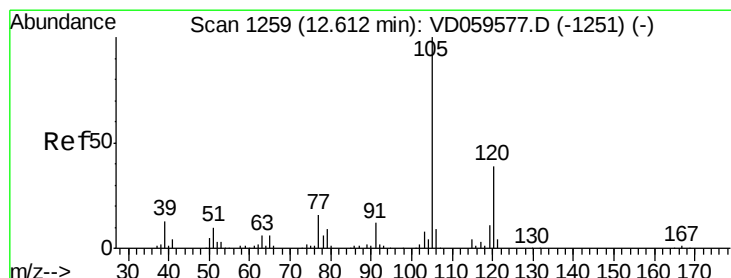
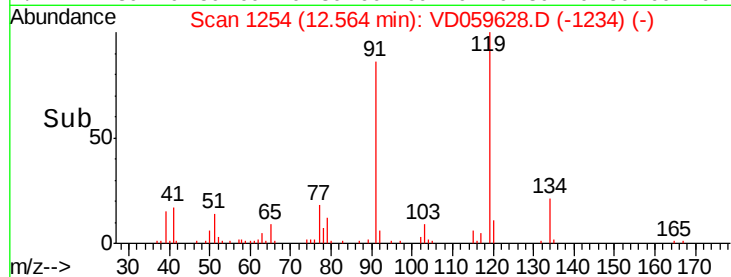
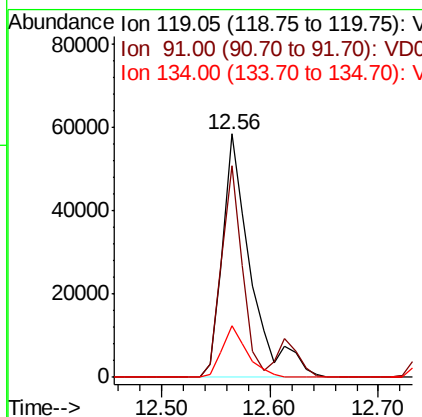
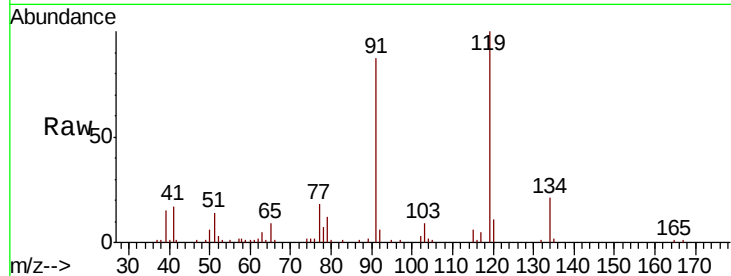




#83
 tert-Butylbenzene
 Concen: 22.71 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

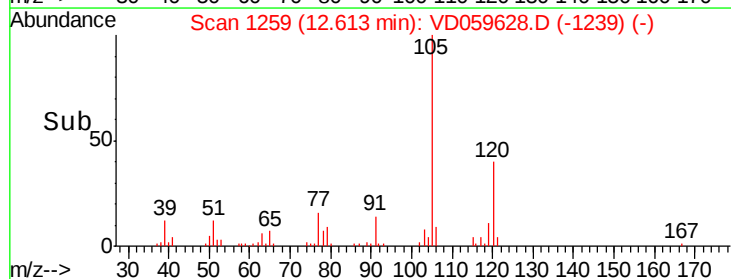
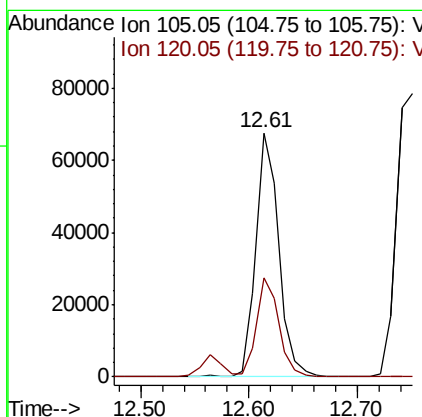
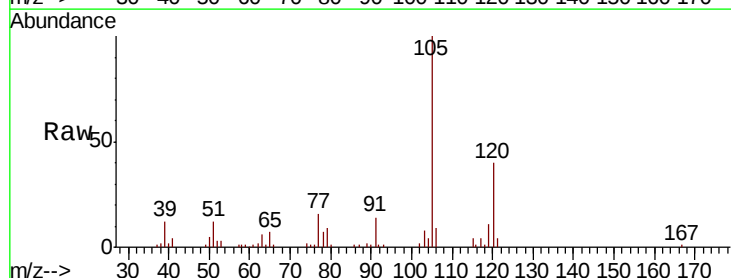
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

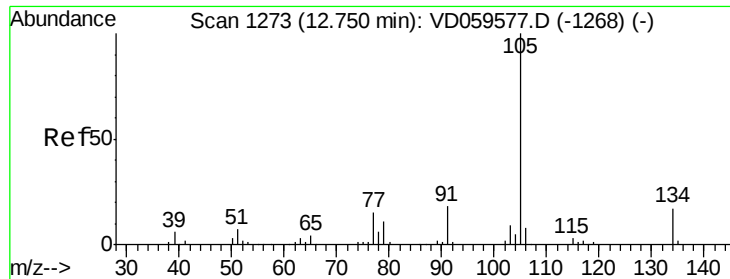
Tot Ion:119 Resp: 105560
 Ion Ratio Lower Upper
 119 100
 91 86.8 42.5 127.5
 134 21.1 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.86 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion:105 Resp: 100322
 Ion Ratio Lower Upper
 105 100
 120 40.3 19.3 57.9

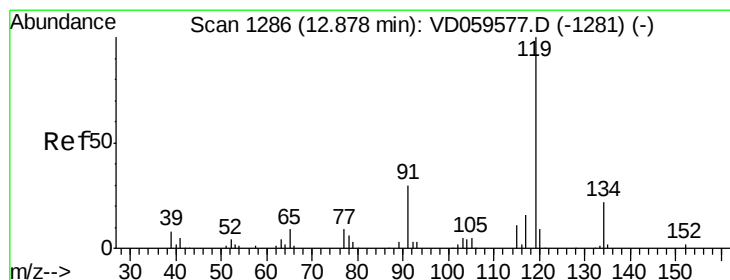
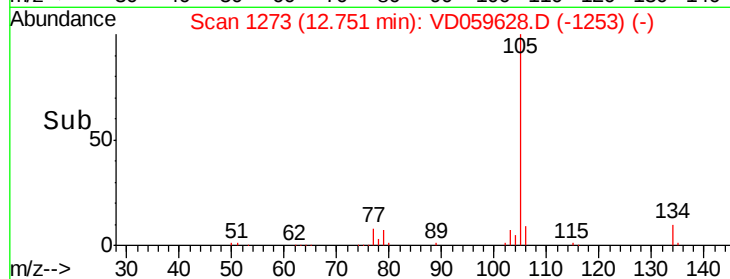
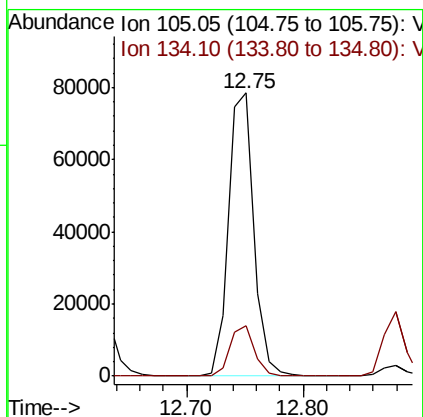
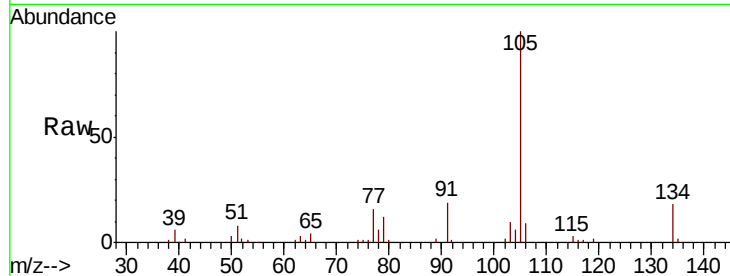




#85
 sec-Butylbenzene
 Concen: 22.21 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

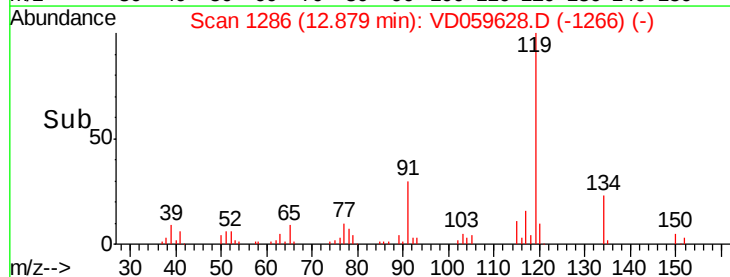
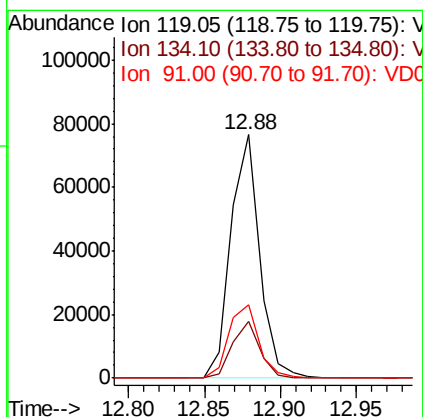
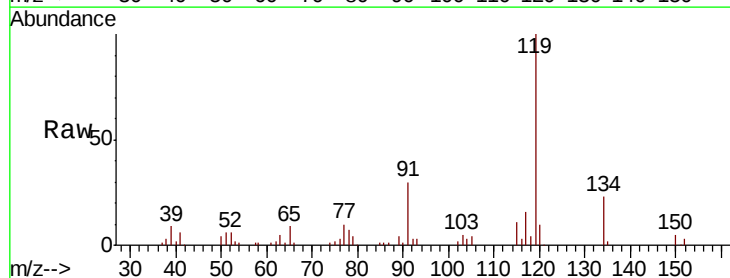
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

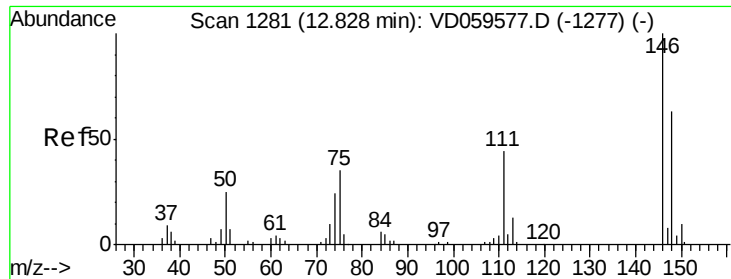
Tot Ion:105 Resp: 117955
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 22.41 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion:119 Resp: 100336
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.2 33.6
 91 30.3 15.0 45.1

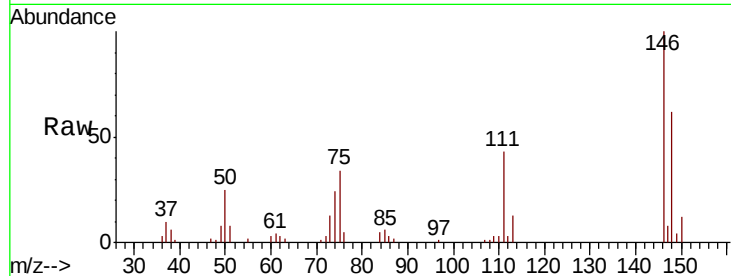




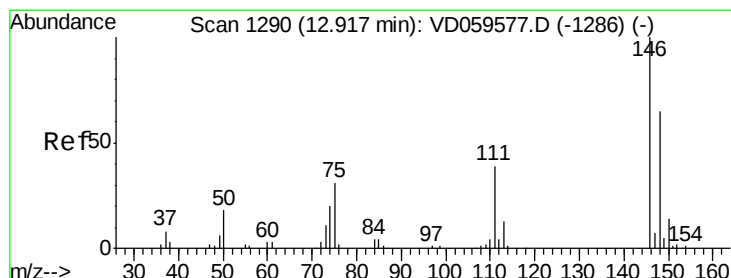
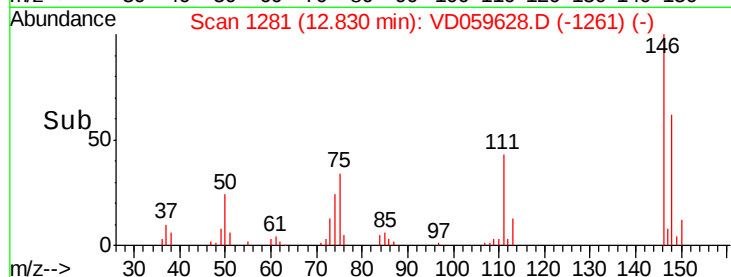
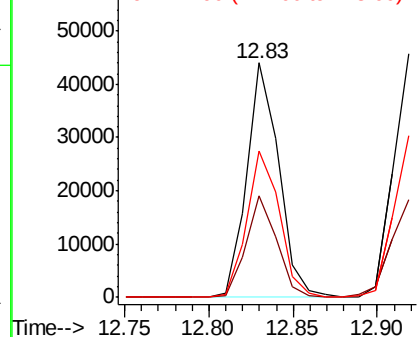
#87
 1,3-Dichlorobenzene
 Concen: 22.43 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:146 Resp: 58085
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.2 66.6
 148 62.4 31.8 95.3

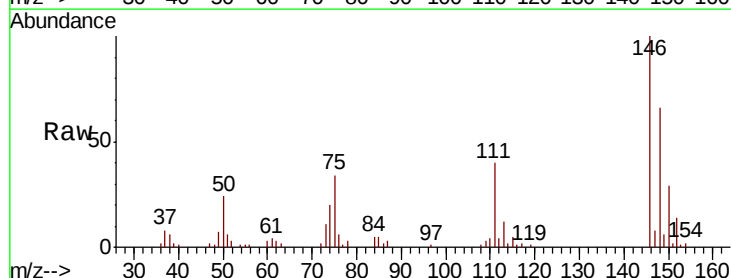


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

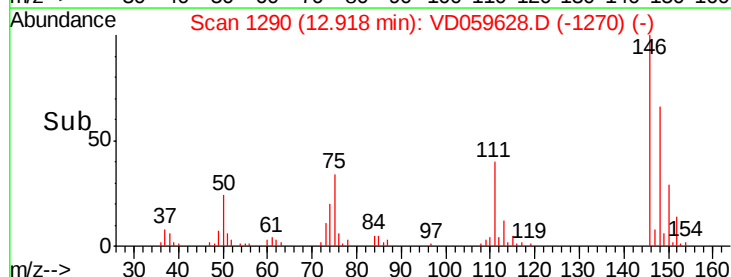
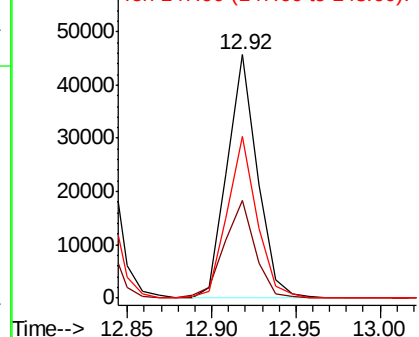


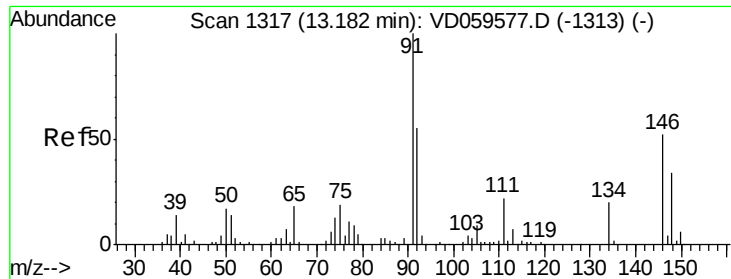
#88
 1,4-Dichlorobenzene
 Concen: 22.91 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion:146 Resp: 57154
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.3 57.9
 148 66.4 32.4 97.2



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

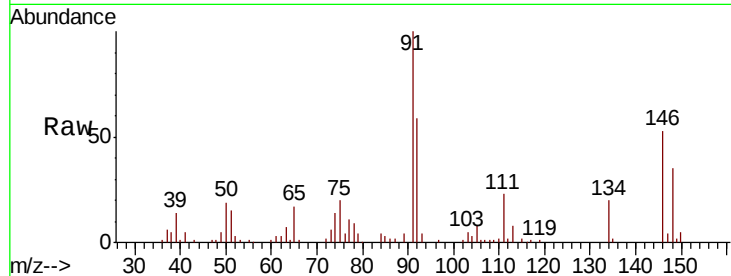




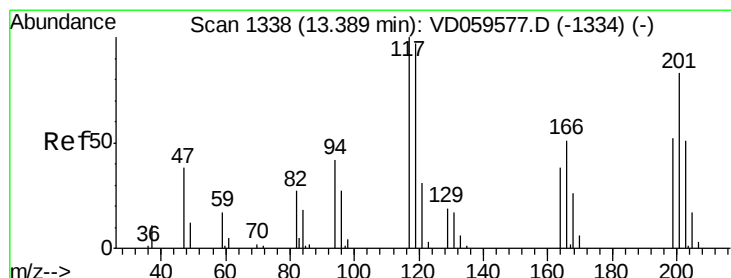
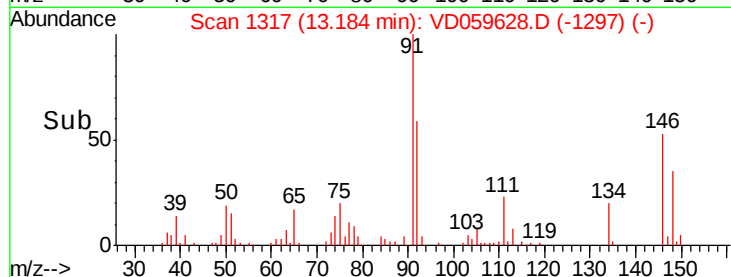
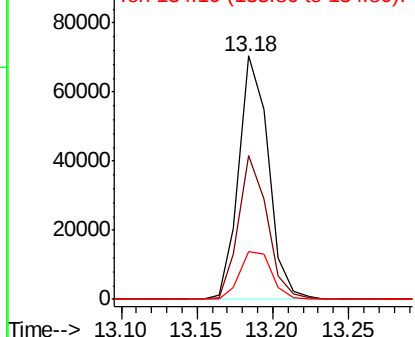
#89
n-Butylbenzene
Concen: 22.11 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 91 Resp: 95585
Ion Ratio Lower Upper
91 100
92 59.3 27.6 82.7
134 19.9 10.1 30.3

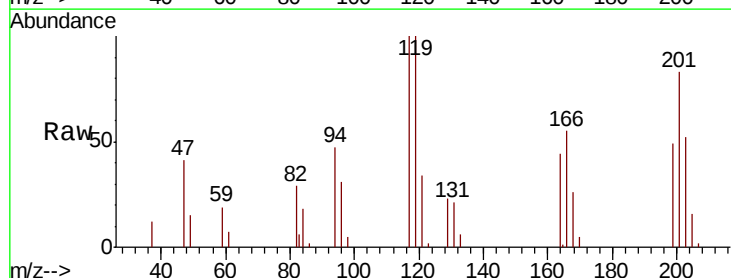


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

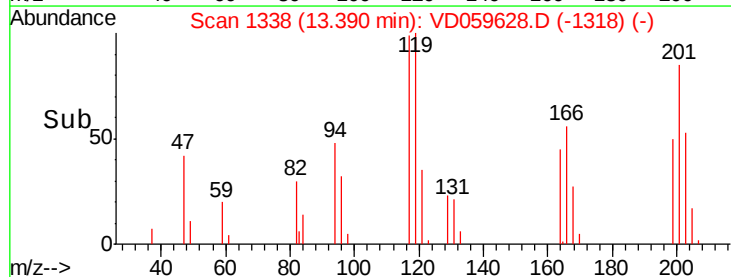
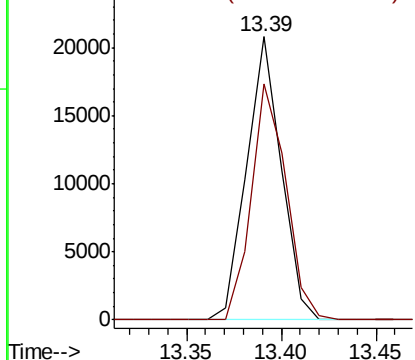


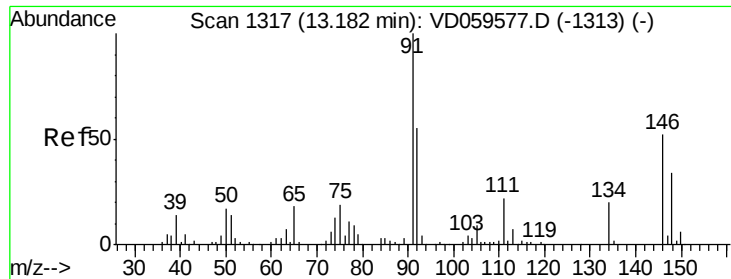
#90
Hexachloroethane
Concen: 21.93 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion: 117 Resp: 26240
Ion Ratio Lower Upper
117 100
201 83.5 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

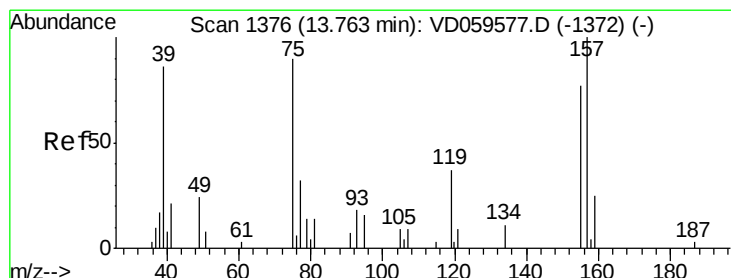
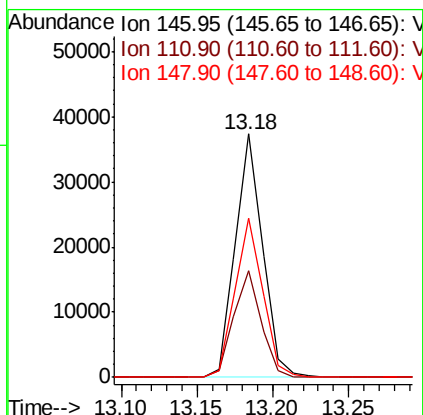
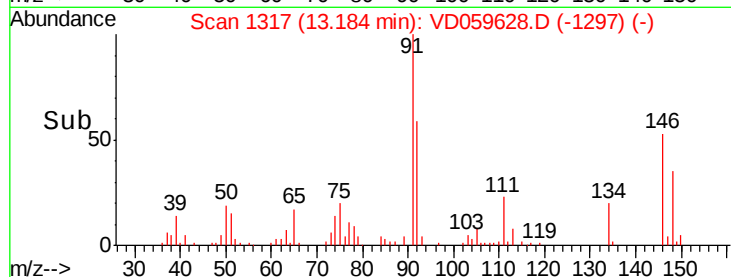
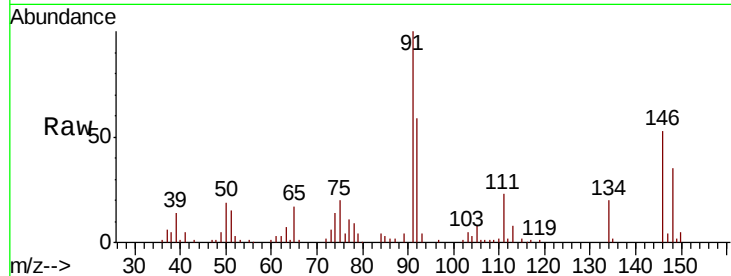




#91
 1,2-Dichlorobenzene
 Concen: 21.48 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

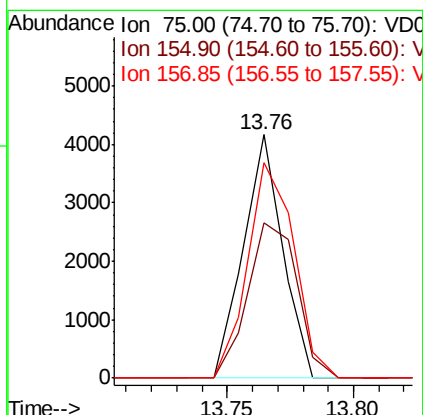
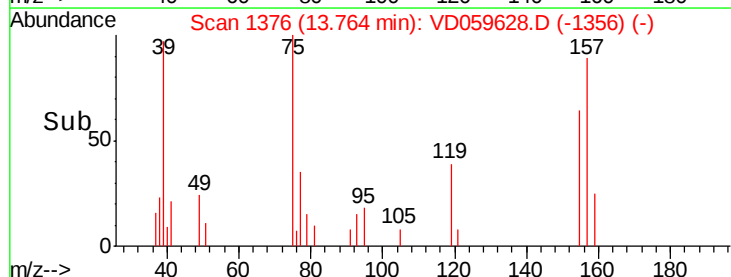
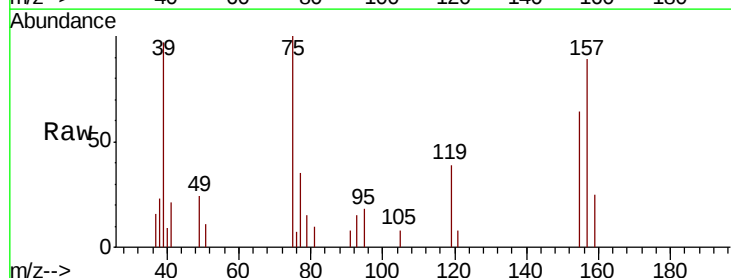
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

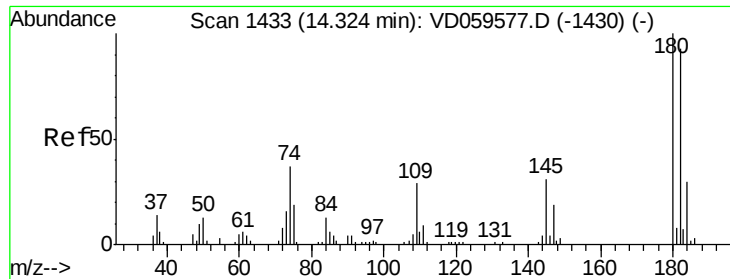
Tot Ion:146 Resp: 46671
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.4 64.3
 148 65.6 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.82 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion: 75 Resp: 4481
 Ion Ratio Lower Upper
 75 100
 155 64.0 42.5 127.5
 157 88.6 55.5 166.3

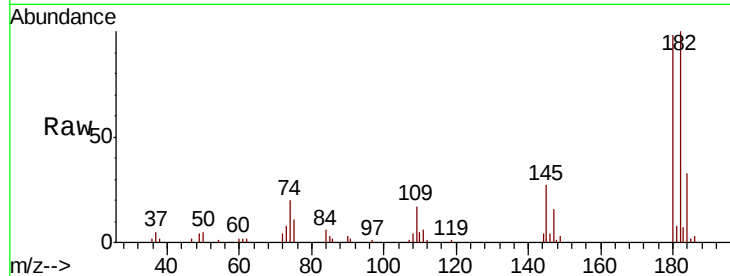




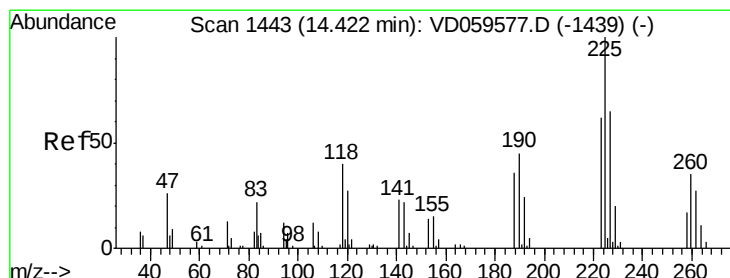
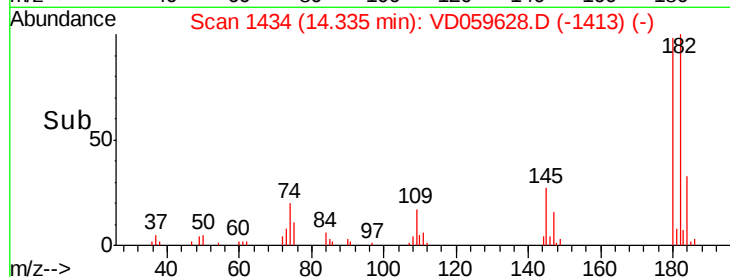
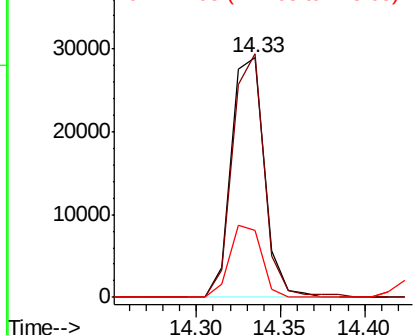
#93
 1,2,4-Trichlorobenzene
 Concen: 21.98 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBSD01

Tot Ion:180 Resp: 39551
 Ion Ratio Lower Upper
 180 100
 182 101.7 46.4 139.2
 145 27.8 15.7 47.0

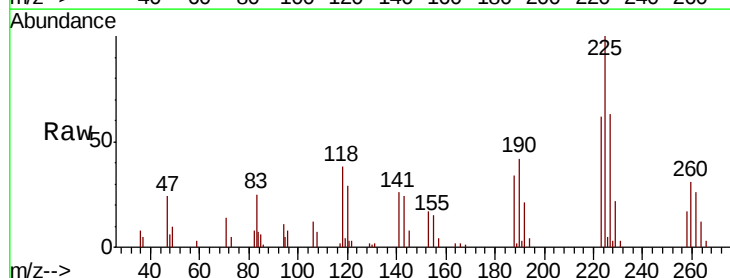


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

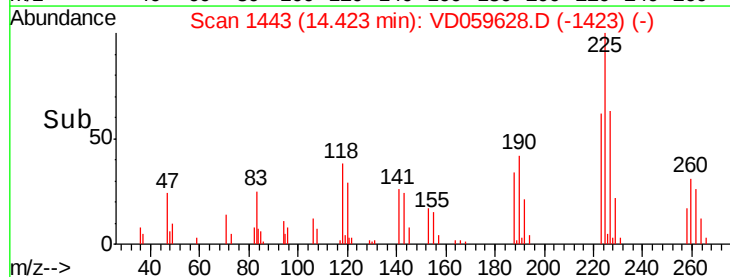
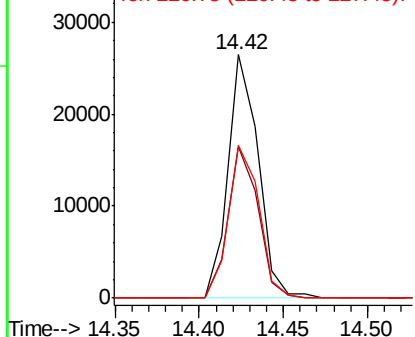


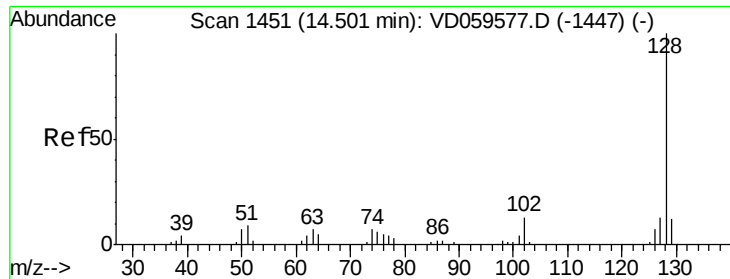
#94
 Hexachlorobutadiene
 Concen: 23.19 ug/l
 RT: 14.42 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059628.D
 Acq: 30 Jul 2018 19:42

Tgt Ion:225 Resp: 32904
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 62.7 32.4 97.2



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

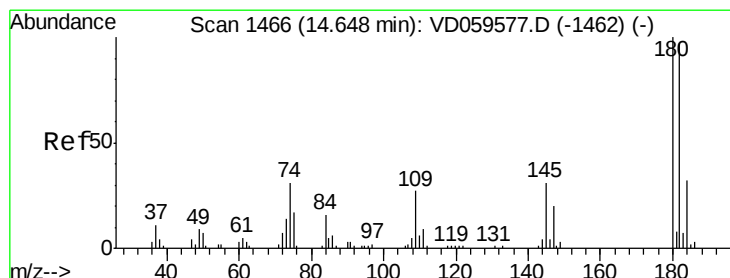
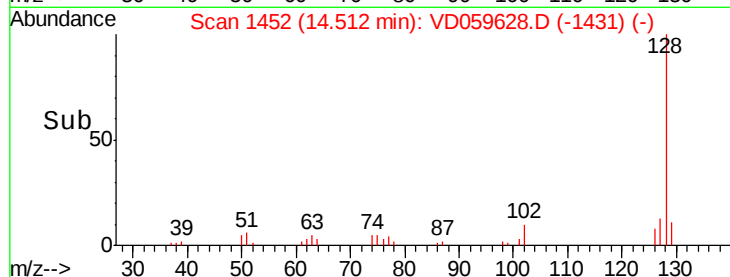
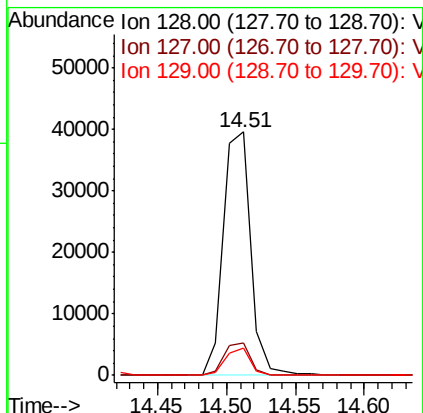
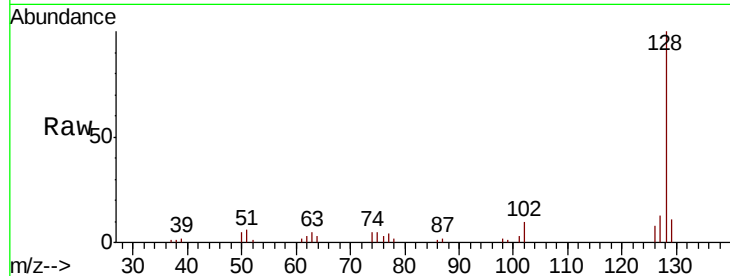




#95
Naphthalene
Concen: 21.29 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBSD01

Tot Ion:128 Resp: 54486
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 21.53 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059628.D
Acq: 30 Jul 2018 19:42

Tgt Ion:180 Resp: 35056
Ion Ratio Lower Upper
180 100
182 92.4 48.6 145.9
145 32.6 15.6 46.7

