

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059963.D
 Acq On : 5 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0905SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Quant Time: Sep 05 14:47:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1167729	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1601800	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1358007	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	754938	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	497433	50.54	ug/l	-0.03
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	6.30	113	638600	50.85	ug/l	-0.03
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	9.44	98	1751435	50.25	ug/l	-0.02
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.42	95	692471	48.92	ug/l	-0.01
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	177186	16.97	ug/l	99
3) Chloromethane	1.73	50	159100	16.83	ug/l	97
4) Vinyl Chloride	1.83	62	131390	17.72	ug/l	97
5) Bromomethane	2.12	94	11371	8.88	ug/l	97
6) Chloroethane	2.22	64	33299	12.36	ug/l	95
7) Trichlorofluoromethane	2.47	101	167572	19.54	ug/l	99
8) Diethyl Ether	2.80	74	37110	19.28	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.05	101	112921	21.50	ug/l	96
10) Methyl Iodide	3.21	142	91647	18.71	ug/l	98
11) Tert butyl alcohol	3.96	59	80054	106.60	ug/l	98
12) 1,1-Dichloroethene	3.04	96	82861	20.26	ug/l	90
13) Acrolein	2.95	56	20408	62.66	ug/l	93
14) Allyl chloride	3.49	41	187290	20.24	ug/l	97
15) Acrylonitrile	4.06	53	296895	105.57	ug/l	99
16) Acetone	3.13	43	181131	101.01	ug/l	97
17) Carbon Disulfide	3.28	76	191009	15.05	ug/l	99
18) Methyl Acetate	3.52	43	72503	19.37	ug/l	94
19) Methyl tert-butyl Ether	4.09	73	460871	19.92	ug/l	99
20) Methylene Chloride	3.68	84	362892	28.74	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	215106	19.09	ug/l	97
22) Diisopropyl ether	4.82	45	988735	20.96	ug/l	99
23) Vinyl Acetate	4.77	43	2908791	110.28	ug/l	99
24) 1,1-Dichloroethane	4.72	63	425202	20.86	ug/l	99
25) 2-Butanone	5.59	43	491762	92.60	ug/l	99
26) 2,2-Dichloropropane	5.55	77	344020	20.19	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	257725	20.89	ug/l	95
28) Bromochloromethane	5.90	49	210500	21.55	ug/l	97
29) Tetrahydrofuran	5.93	42	270030	106.80	ug/l	100
30) Chloroform	6.07	83	440410	21.26	ug/l	100
31) Cyclohexane	6.34	56	328980	17.56	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	338574	19.26	ug/l	99
36) 1,1-Dichloropropene	6.50	75	303447	20.90	ug/l	95
37) Ethyl Acetate	5.67	43	240898	21.32	ug/l	97
38) Carbon Tetrachloride	6.47	117	291696	19.91	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059963.D
 Acq On : 5 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBS01

Quant Time: Sep 05 14:47:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	309179	19.71	ug/l	95
40) Benzene	6.76	78	813428	21.54	ug/l	100
41) Methacrylonitrile	5.92	41	267854	47.06	ug/l #	86
42) 1,2-Dichloroethane	6.87	62	252354	20.82	ug/l	99
43) Isopropyl Acetate	8.33	43	309915	21.08	ug/l #	99
44) Trichloroethene	7.72	130	236462	21.27	ug/l	93
45) 1,2-Dichloropropane	8.08	63	226063	21.42	ug/l	98
46) Dibromomethane	8.19	93	141235	20.81	ug/l	99
47) Bromodichloromethane	8.46	83	322157	20.97	ug/l	100
48) Methyl methacrylate	8.23	41	176173	20.56	ug/l	96
49) 1,4-Dioxane	8.21	88	32607	426.22	ug/l	94
51) 4-Methyl-2-Pentanone	9.32	43	1014096	92.54	ug/l	96
52) Toluene	9.53	92	463845	19.16	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	292665	20.60	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	343660	20.86	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	189552	21.42	ug/l	98
56) Ethyl methacrylate	10.01	69	214702	21.02	ug/l	100
57) 1,3-Dichloropropane	10.36	76	288744	22.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	568968	116.13	ug/l	96
59) 2-Hexanone	10.47	43	783360	96.91	ug/l	96
60) Dibromochloromethane	10.62	129	233594	21.00	ug/l	97
61) 1,2-Dibromoethane	10.75	107	190394	21.28	ug/l	96
64) Tetrachloroethene	10.24	164	216397	20.61	ug/l	97
65) Chlorobenzene	11.30	112	595443	22.06	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	211535	21.46	ug/l	99
67) Ethyl Benzene	11.42	91	981006	21.61	ug/l	99
68) m/p-Xylenes	11.55	106	739166	44.72	ug/l	96
69) o-Xylene	11.93	106	350786	21.70	ug/l	98
70) Styrene	11.95	104	617729	22.07	ug/l	99
71) Bromoform	12.11	173	164975	19.34	ug/l	98
73) Isopropylbenzene	12.26	105	1019600	21.16	ug/l	100
74) N-amyl acetate	12.13	43	408701	19.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	227292	20.39	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	242340	20.65	ug/l	100
77) Bromobenzene	12.53	156	279178	20.89	ug/l	96
78) n-propylbenzene	12.63	91	1307127	21.42	ug/l	98
79) 2-Chlorotoluene	12.70	91	710148	20.58	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	808243	21.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	63723	17.46	ug/l	98
82) 4-Chlorotoluene	12.80	91	835576	21.23	ug/l	98
83) tert-Butylbenzene	13.04	119	888350	20.35	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	803790	20.13	ug/l	99
85) sec-Butylbenzene	13.22	105	1076497	20.97	ug/l	96
86) p-Isopropyltoluene	13.34	119	869123	20.82	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	515556	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	517689	21.75	ug/l	99
89) n-Butylbenzene	13.64	91	909827	20.15	ug/l	98
90) Hexachloroethane	13.85	117	199297	17.78	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	442530	21.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32789	19.13	ug/l	87

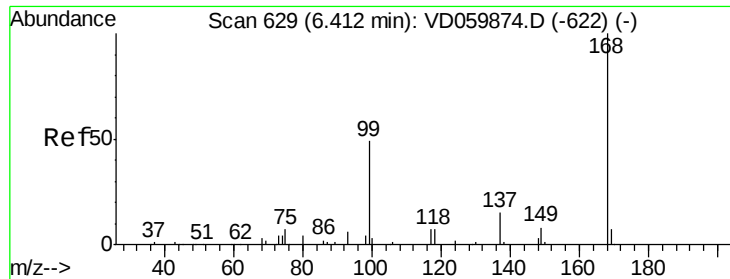
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090518\
Data File : VD059963.D
Acq On : 5 Sep 2018 12:20
Operator : JC/SY
Sample : VD0905SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Quant Time: Sep 05 14:47:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359508	20.70	ug/l	100
94) Hexachlorobutadiene	14.87	225	233988	20.55	ug/l	99
95) Naphthalene	14.96	128	543662	20.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	300582	20.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

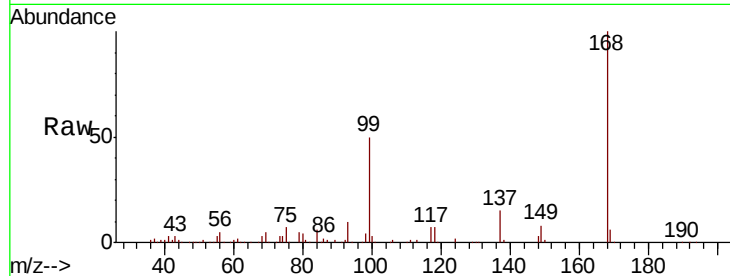
VD0905SBSD01

Tot Ion:168 Resp: 1167729

Ion Ratio Lower Upper

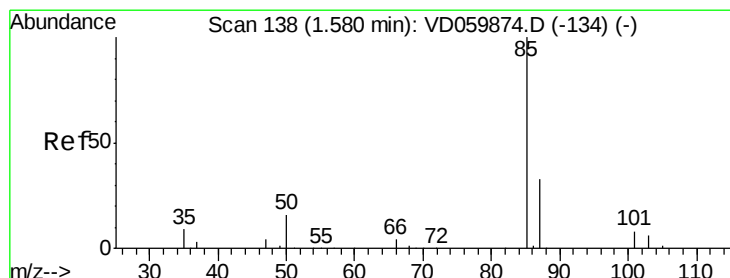
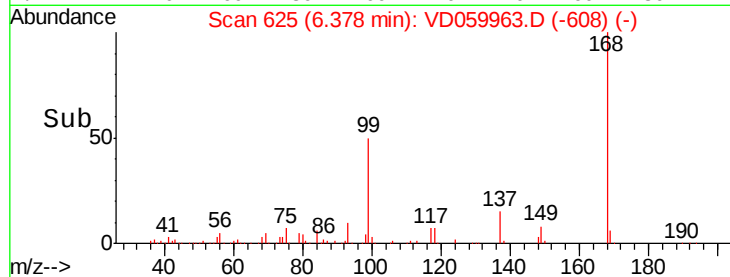
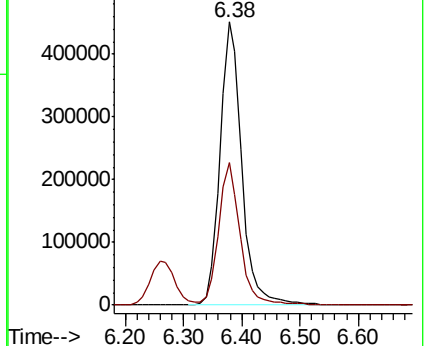
168 100

99 50.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.97 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059963.D

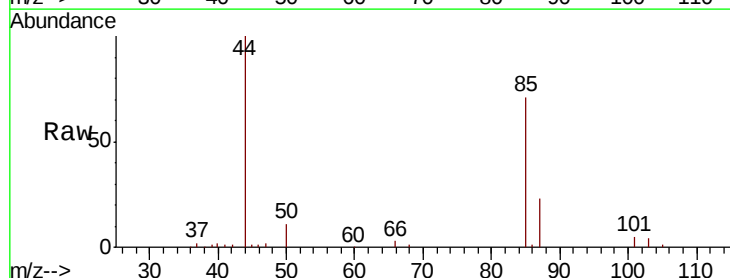
Acq: 5 Sep 2018 12:20

Tgt Ion: 85 Resp: 177186

Ion Ratio Lower Upper

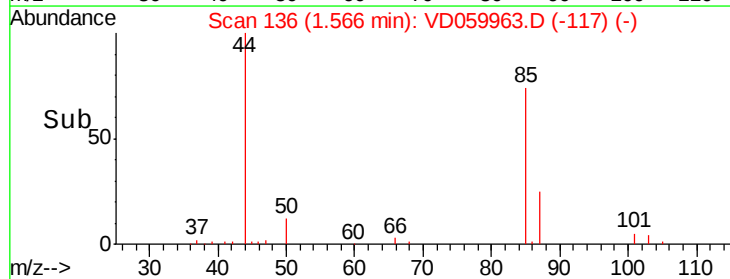
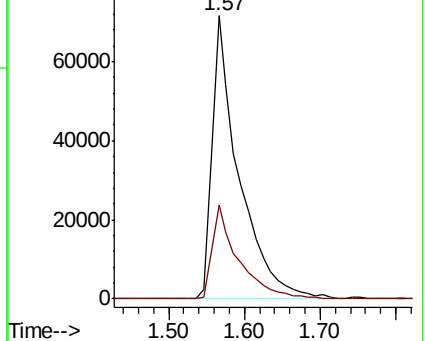
85 100

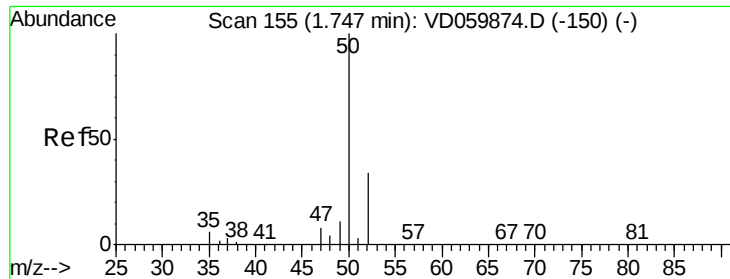
87 33.1 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.83 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

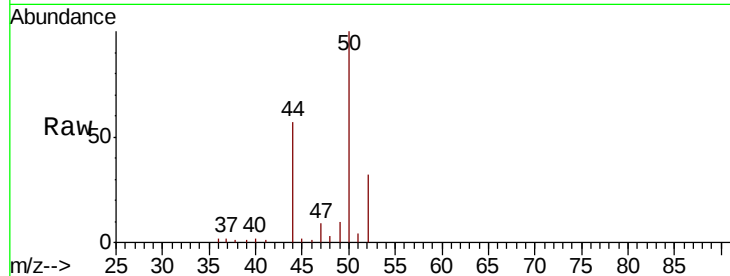
VD0905SBSD01

Tot Ion: 50 Resp: 159100

Ion Ratio Lower Upper

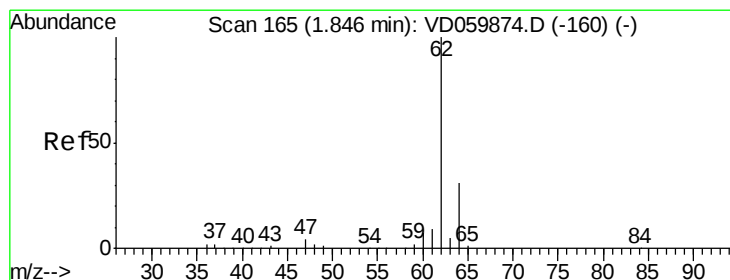
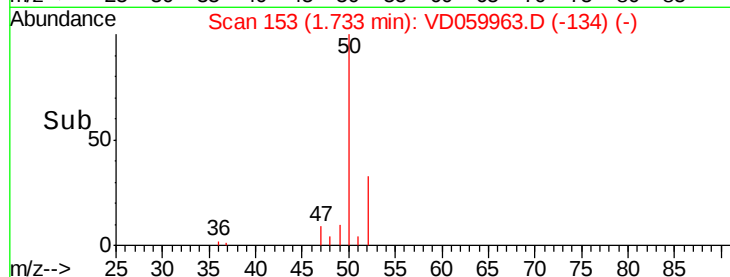
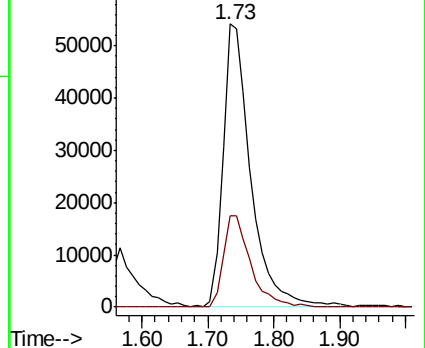
50 100

52 32.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.72 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059963.D

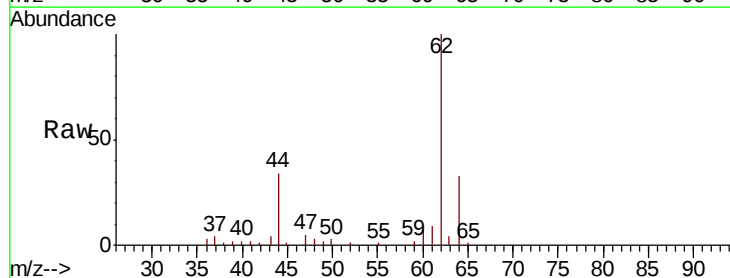
Acq: 5 Sep 2018 12:20

Tgt Ion: 62 Resp: 131390

Ion Ratio Lower Upper

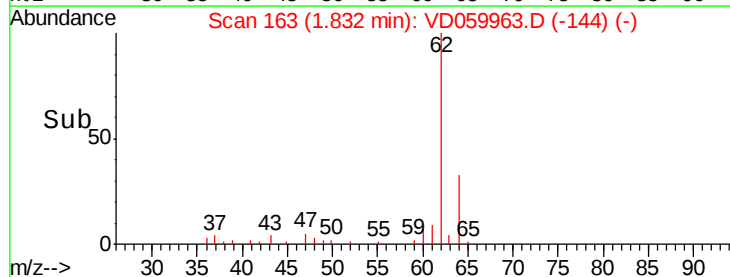
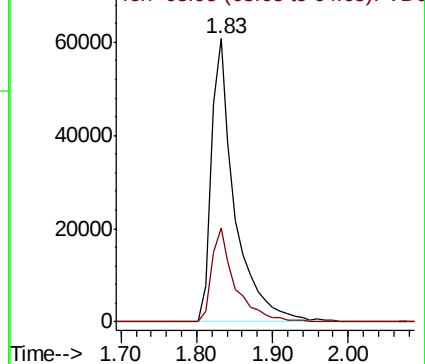
62 100

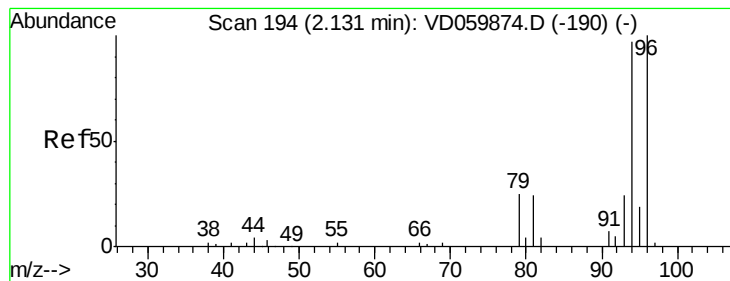
64 33.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.88 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

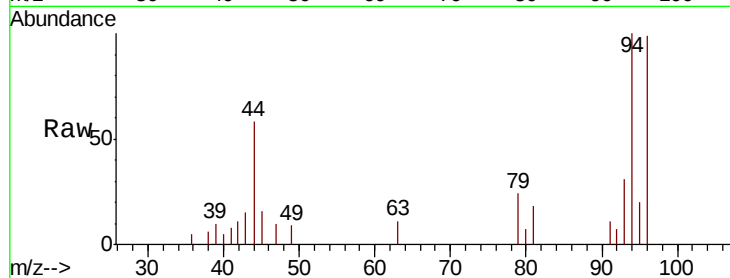
VD0905SBSD01

Tot Ion: 94 Resp: 11371

Ion Ratio Lower Upper

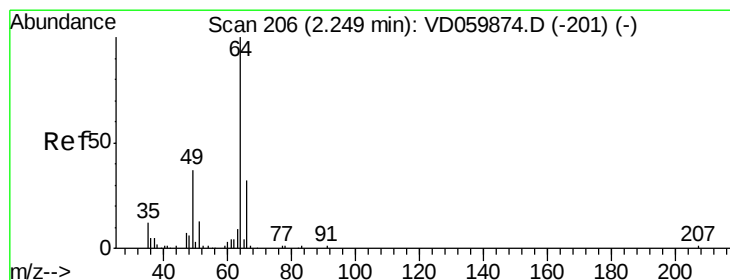
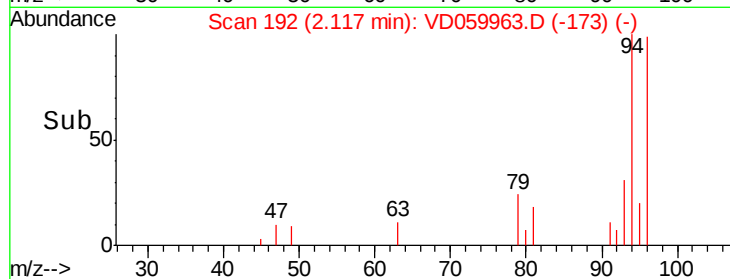
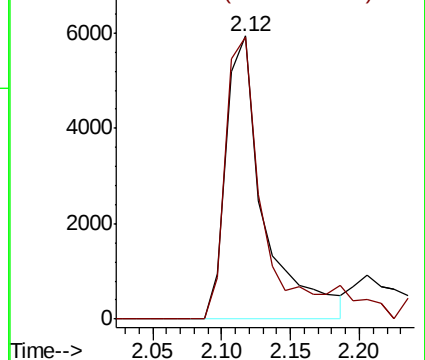
94 100

96 99.5 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.36 ug/l

RT: 2.22 min Scan# 202

Delta R.T. -0.03 min

Lab File: VD059963.D

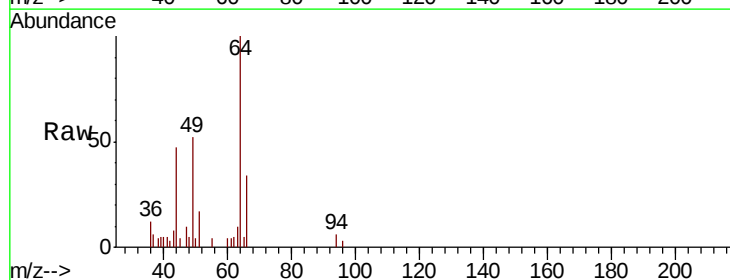
Acq: 5 Sep 2018 12:20

Tgt Ion: 64 Resp: 33299

Ion Ratio Lower Upper

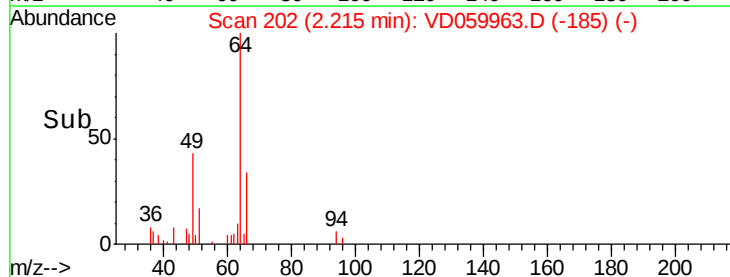
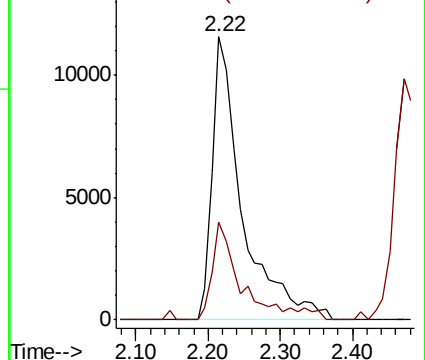
64 100

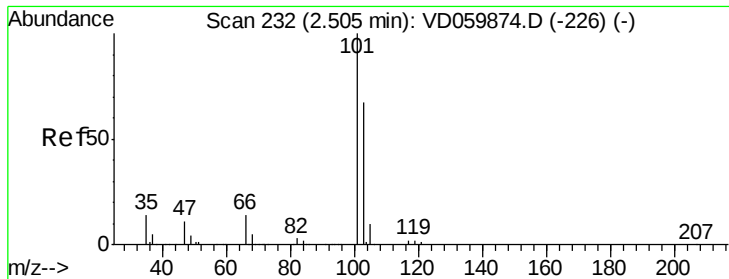
66 34.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.54 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

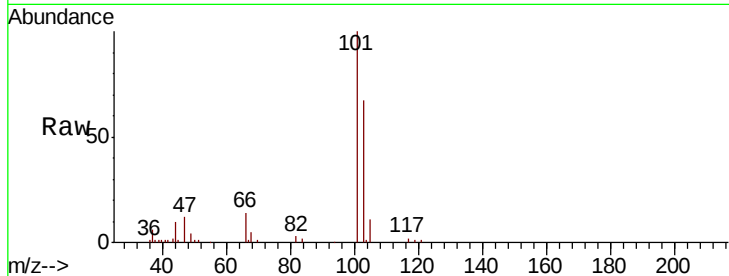
VD0905SBSD01

Tot Ion:101 Resp: 167572

Ion Ratio Lower Upper

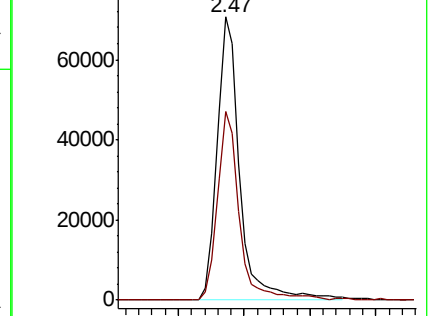
101 100

103 66.6 53.7 80.5

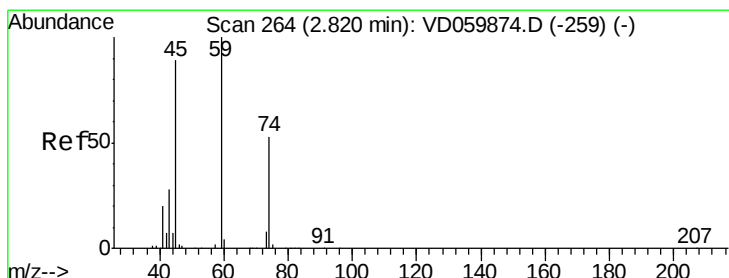
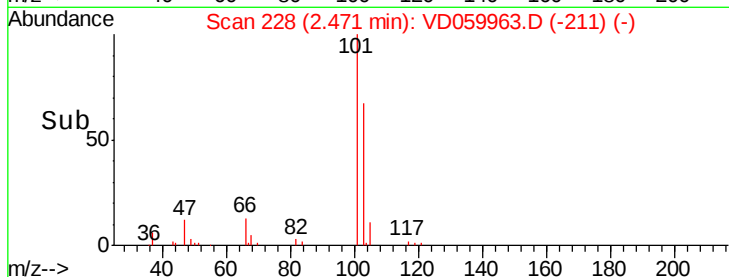


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



Time-->



#8

Diethyl Ether

Concen: 19.28 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059963.D

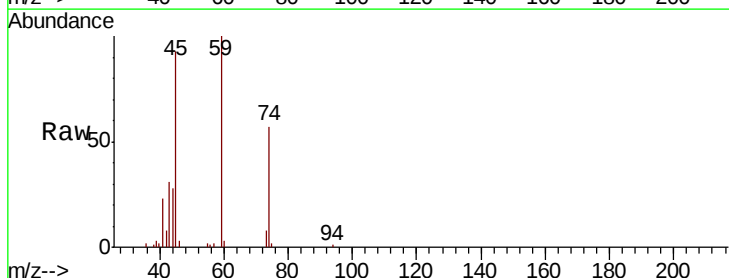
Acq: 5 Sep 2018 12:20

Tgt Ion: 74 Resp: 37110

Ion Ratio Lower Upper

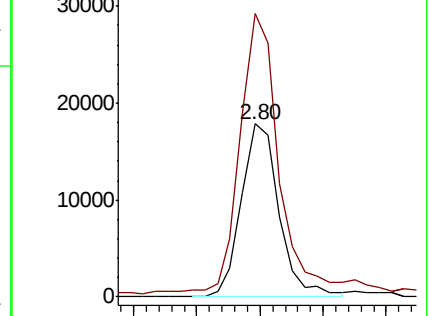
74 100

45 163.4 85.7 257.1

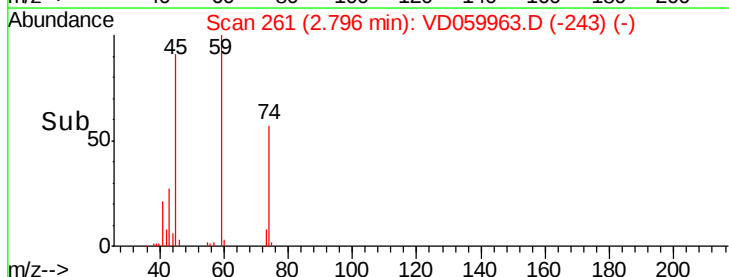


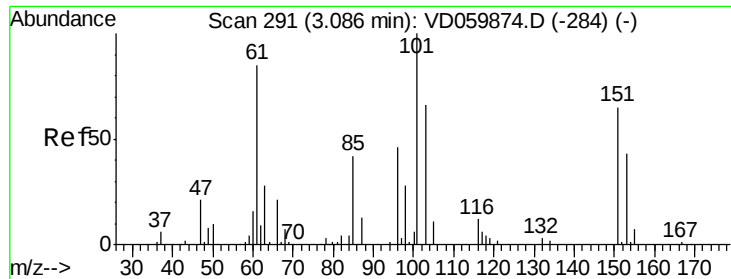
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.50 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

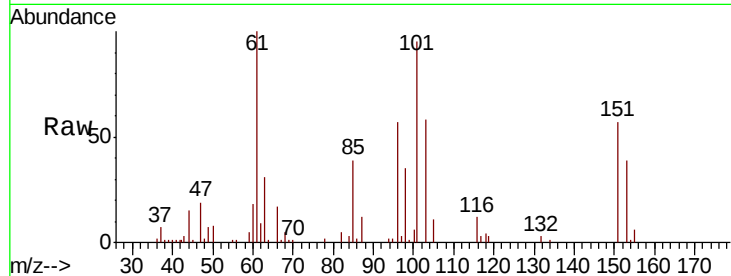
Tot Ion:101 Resp: 112921

Ion Ratio Lower Upper

101 100

85 41.3 33.6 50.4

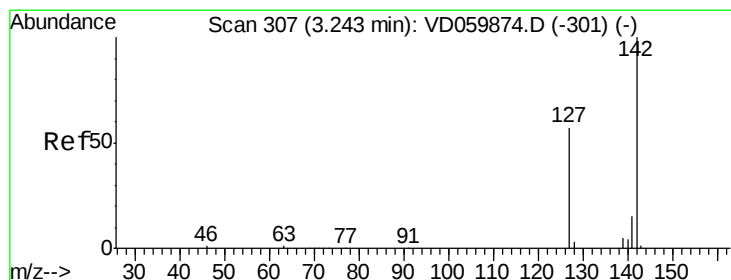
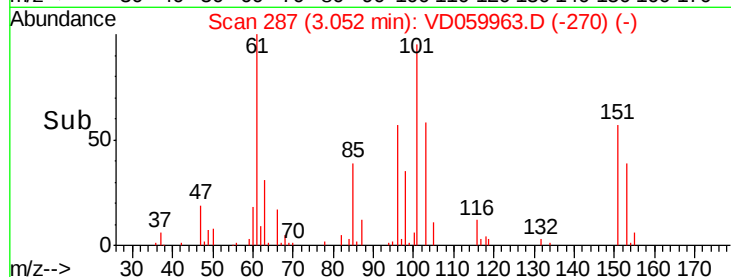
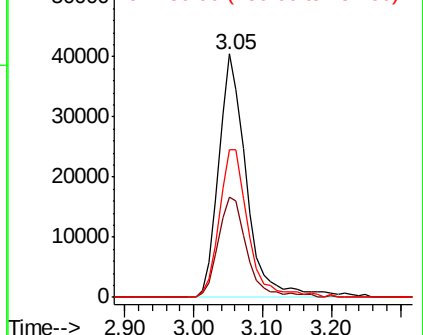
151 60.4 52.0 78.0



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: 18.71 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

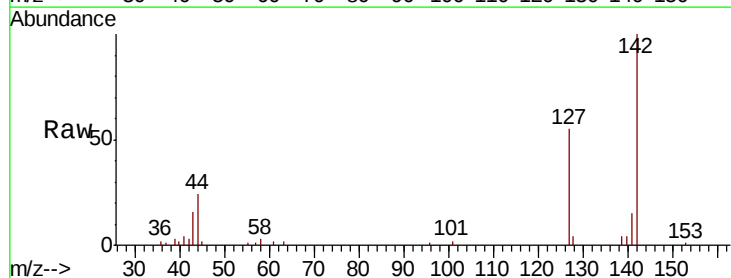
Tgt Ion:142 Resp: 91647

Ion Ratio Lower Upper

142 100

127 55.3 45.8 68.6

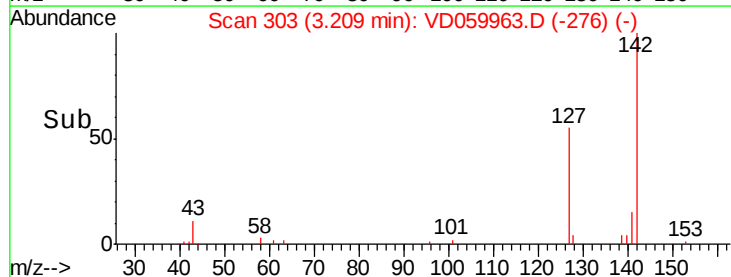
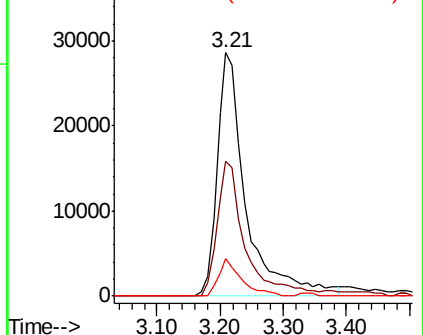
141 15.2 11.6 17.4

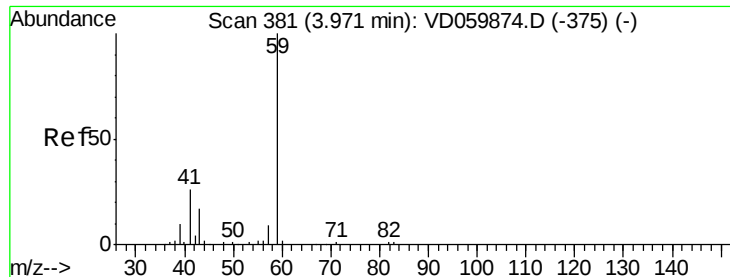


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

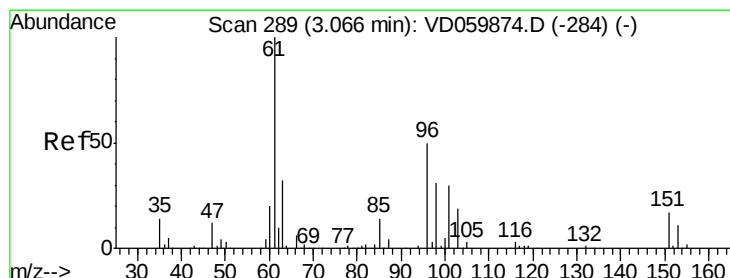
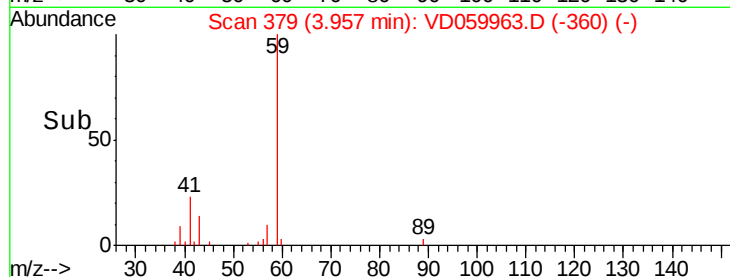
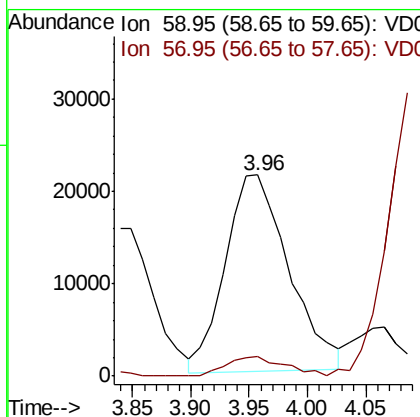
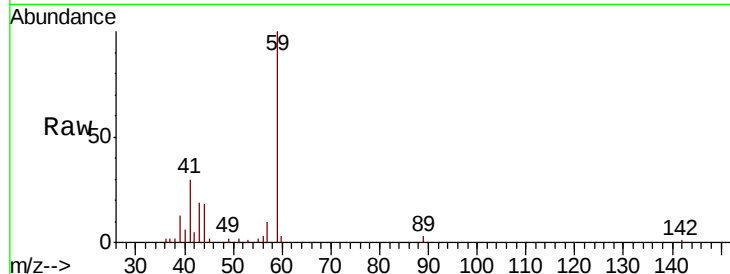




#11
Tert butyl alcohol
Concen: 106.60 ug/l
RT: 3.96 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

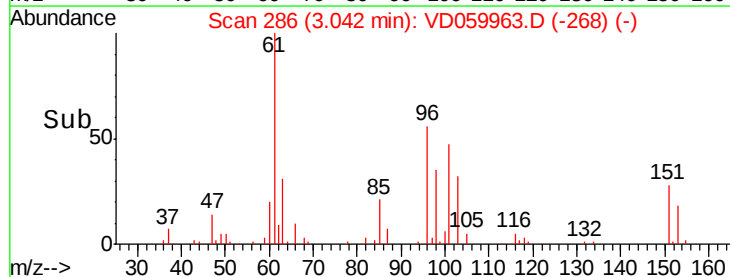
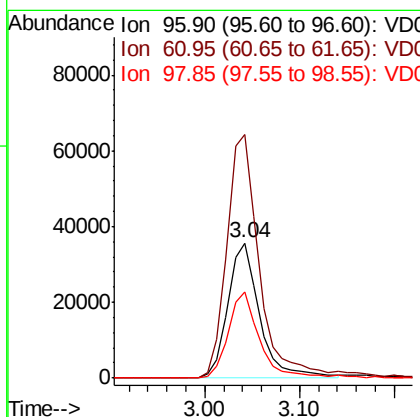
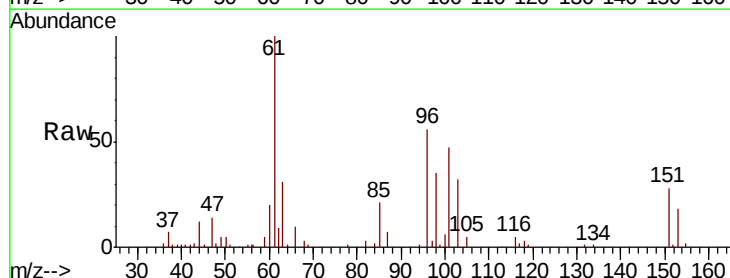
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

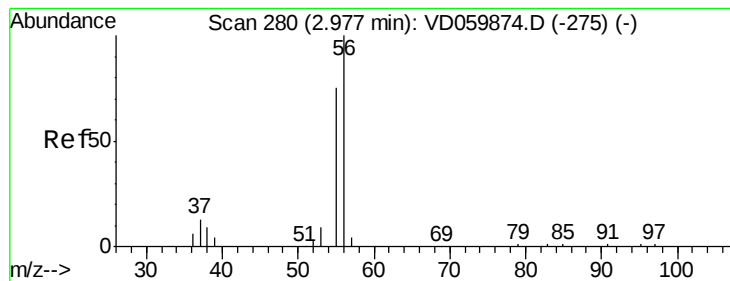
Tot Ion: 59 Resp: 80054
Ion Ratio Lower Upper
59 100
57 10.0 7.4 11.0



#12
1,1-Dichloroethene
Concen: 20.26 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 96 Resp: 82861
Ion Ratio Lower Upper
96 100
61 179.8 158.8 238.2
98 63.7 48.7 73.1





#13

Acrolein

Concen: 62.66 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

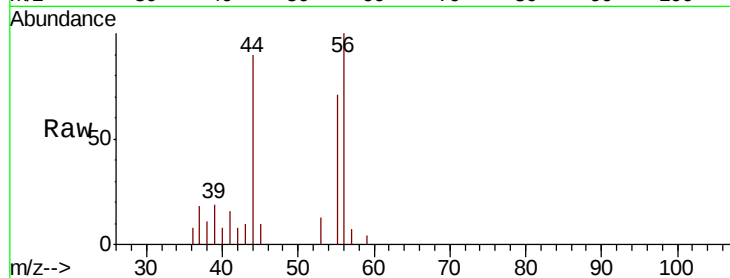
VD0905SBS01

Tot Ion: 56 Resp: 20408

Ion Ratio Lower Upper

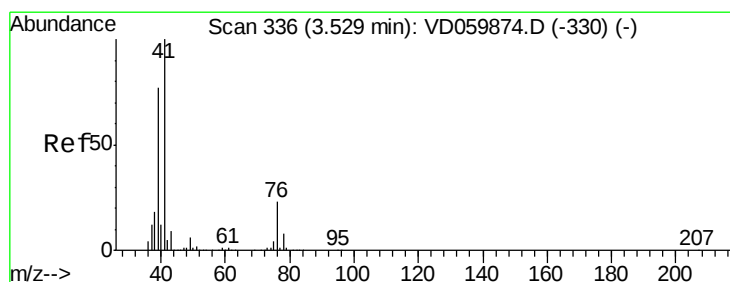
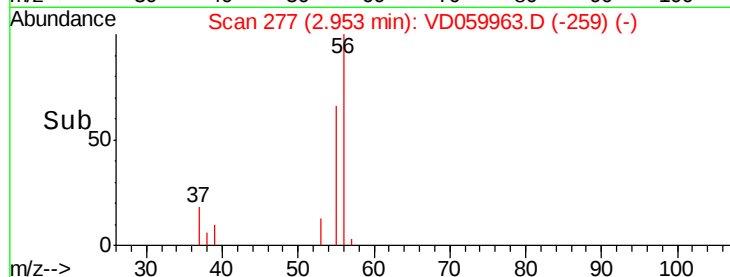
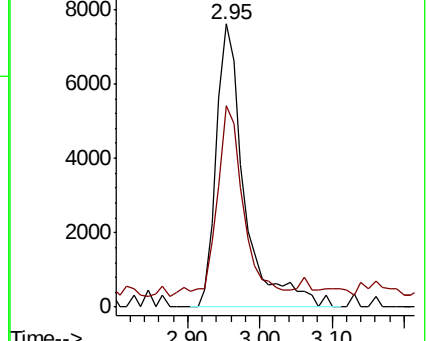
56 100

55 71.4 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.24 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

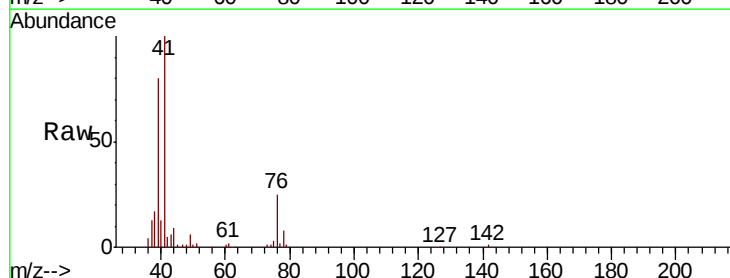
Tgt Ion: 41 Resp: 187290

Ion Ratio Lower Upper

41 100

39 79.9 61.8 92.6

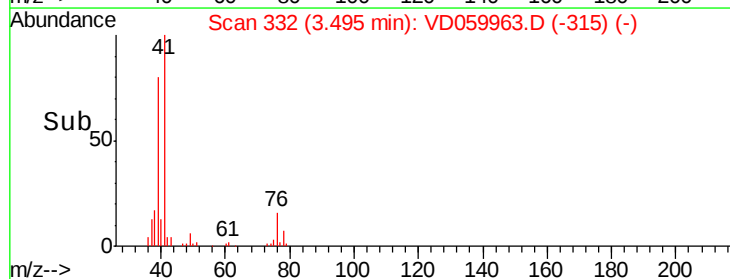
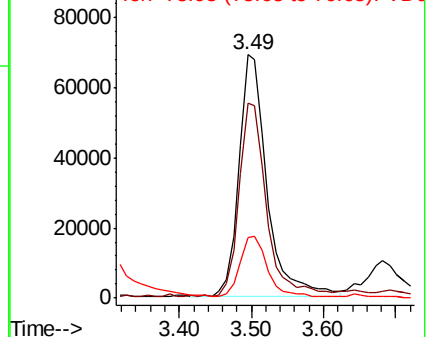
76 25.1 19.4 29.2

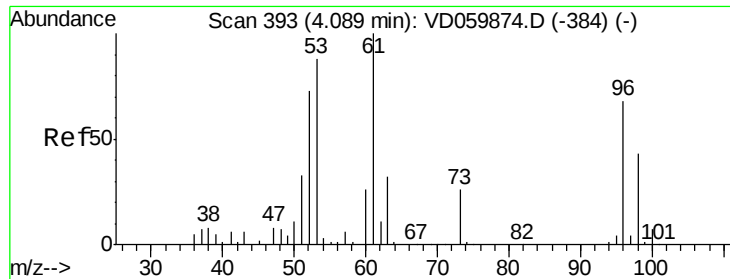


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.57 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

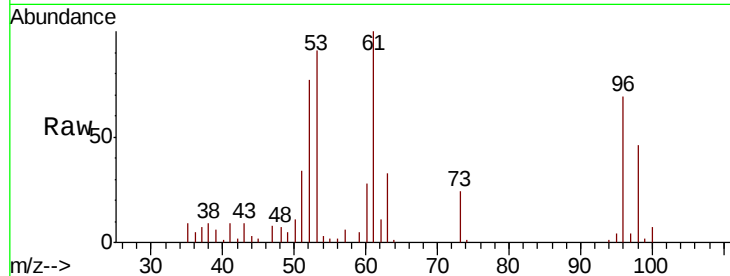
Tot Ion: 53 Resp: 296895

Ion Ratio Lower Upper

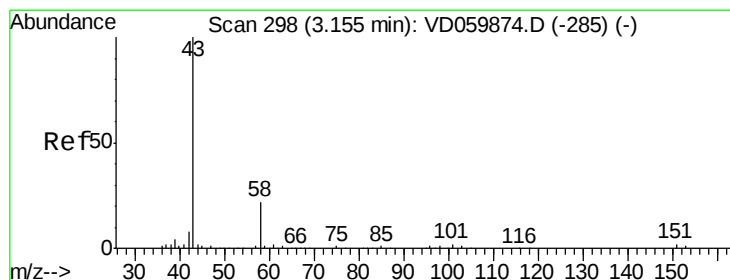
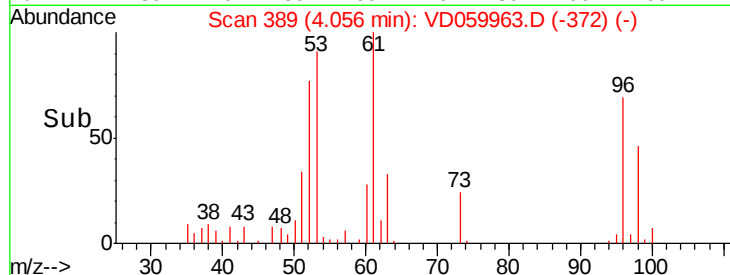
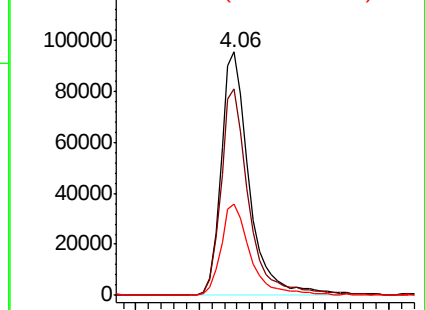
53 100

52 84.7 66.9 100.3

51 37.7 30.3 45.5



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: 101.01 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059963.D

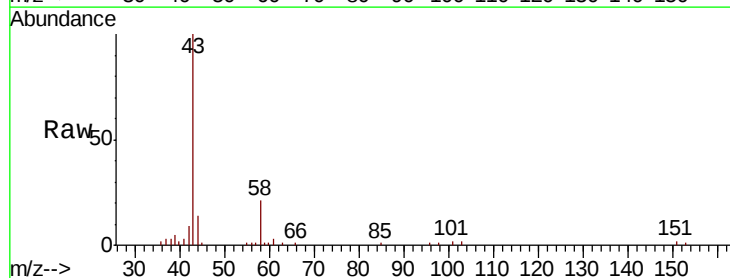
Acq: 5 Sep 2018 12:20

Tgt Ion: 43 Resp: 181131

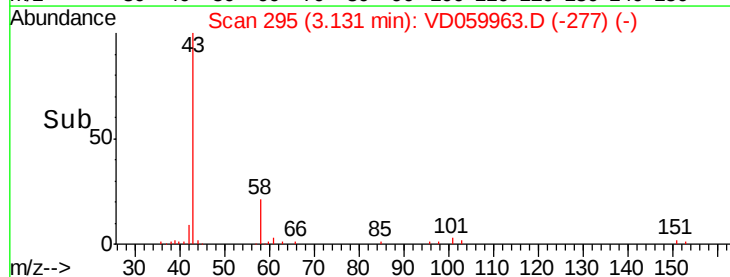
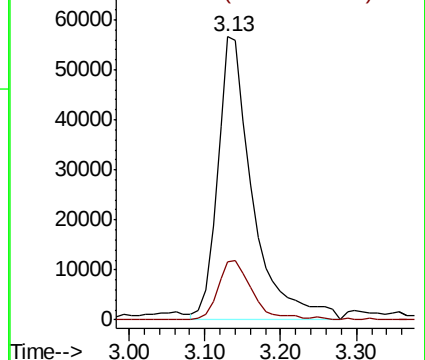
Ion Ratio Lower Upper

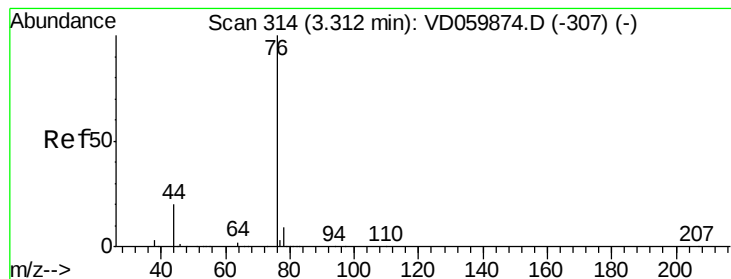
43 100

58 20.6 17.6 26.4



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





#17

Carbon Disulfide

Concen: 15.05 ug/l

RT: 3.28 min Scan# 310

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

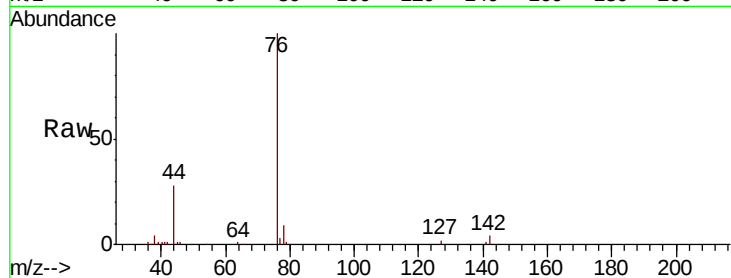
VD0905SBSD01

Tot Ion: 76 Resp: 191009

Ion Ratio Lower Upper

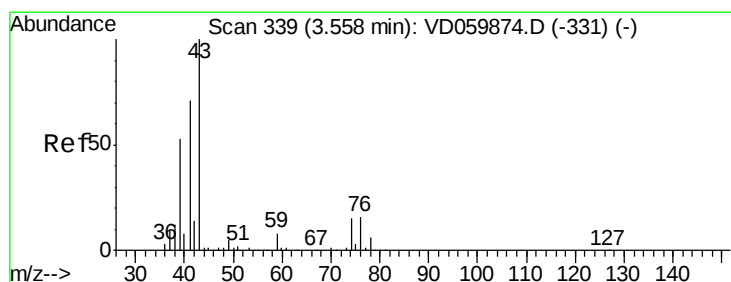
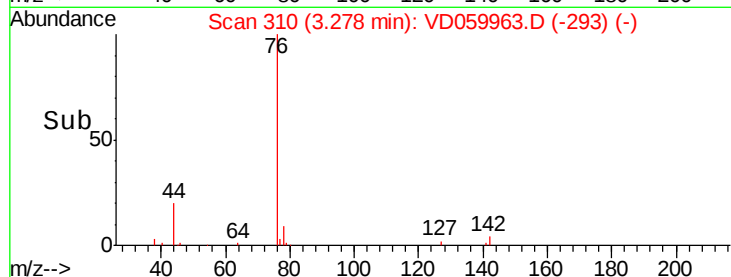
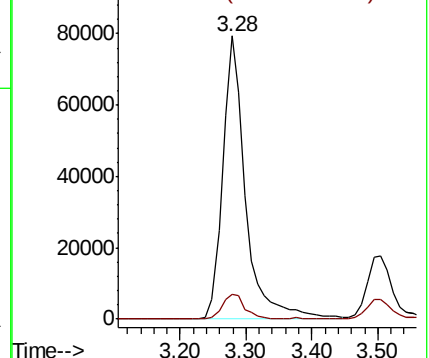
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.37 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059963.D

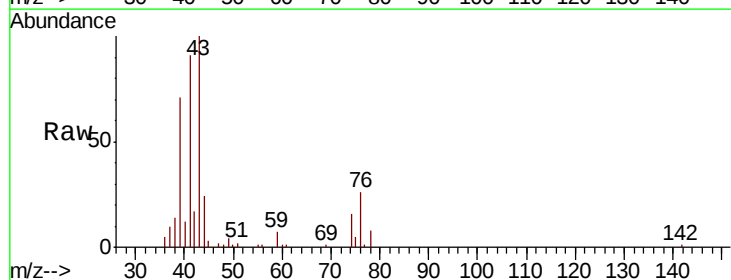
Acq: 5 Sep 2018 12:20

Tgt Ion: 43 Resp: 72503

Ion Ratio Lower Upper

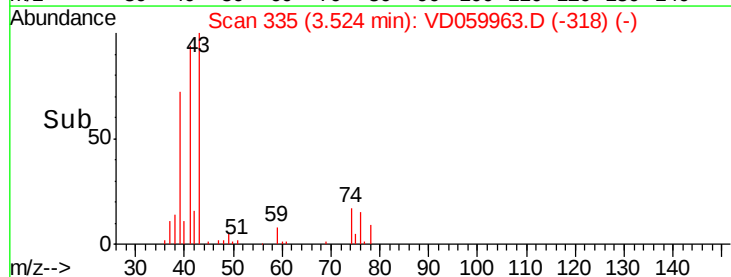
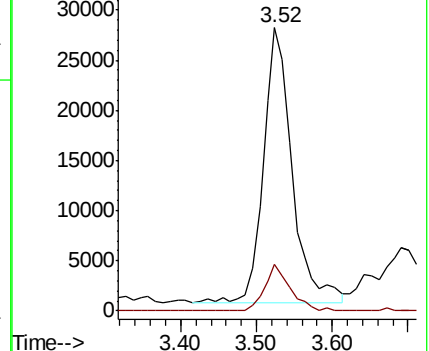
43 100

74 16.4 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

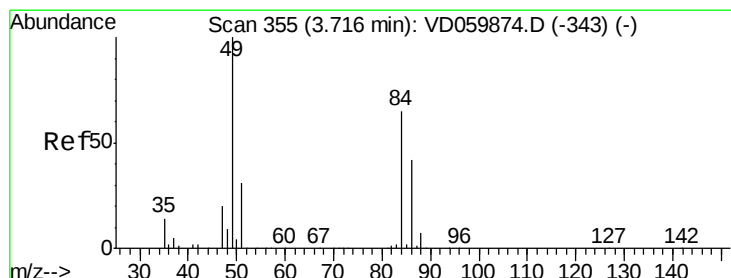
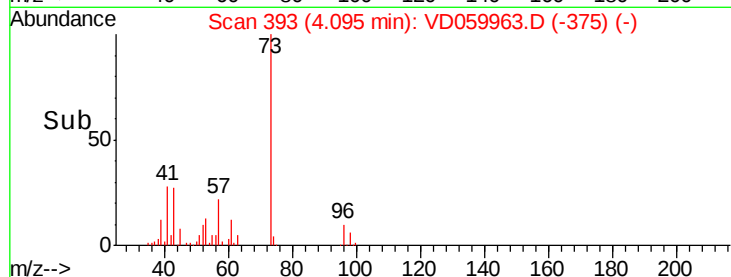
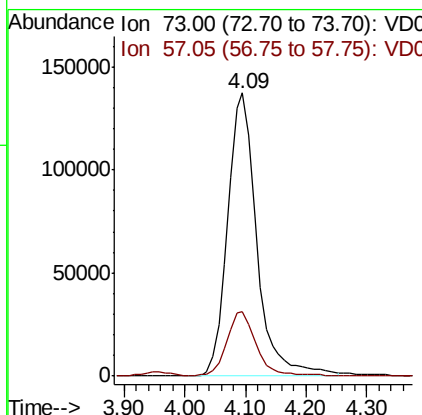
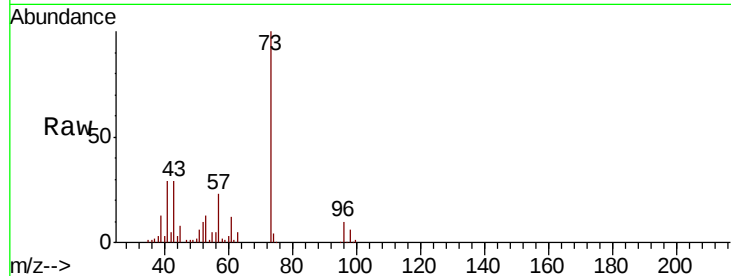




#19
Methyl tert-butyl Ether
Concen: 19.92 ug/l
RT: 4.09 min Scan# 393
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

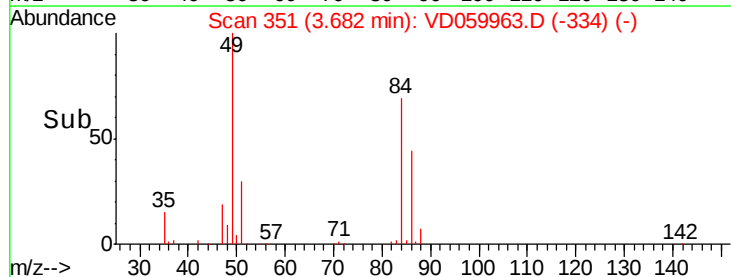
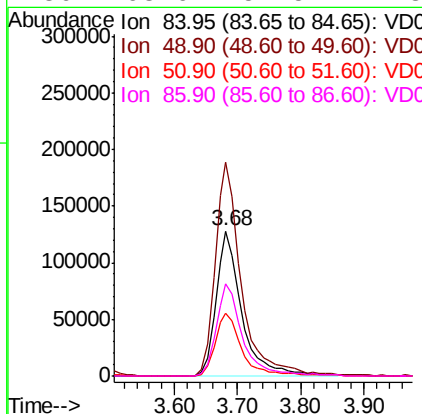
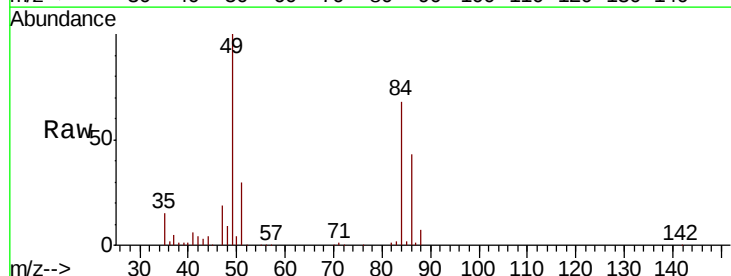
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 73 Resp: 460871
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 28.74 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 84 Resp: 362892
Ion Ratio Lower Upper
84 100
49 147.7 122.6 183.8
51 43.7 38.4 57.6
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

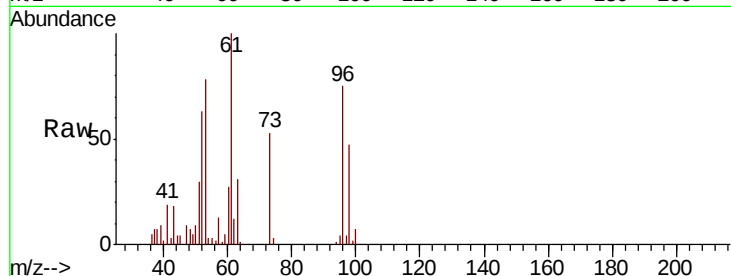
Tot Ion: 96 Resp: 215106

Ion Ratio Lower Upper

96 100

61 133.8 110.2 165.4

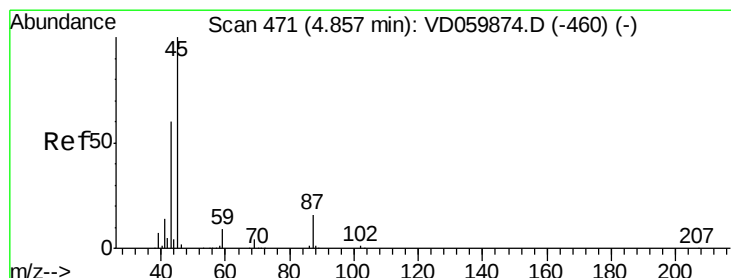
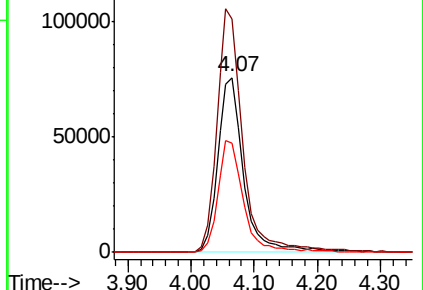
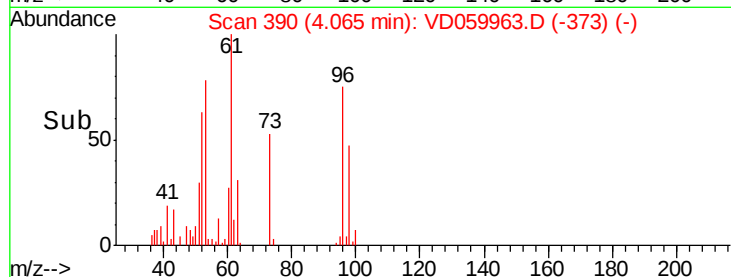
98 62.9 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.96 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion: 45 Resp: 988735

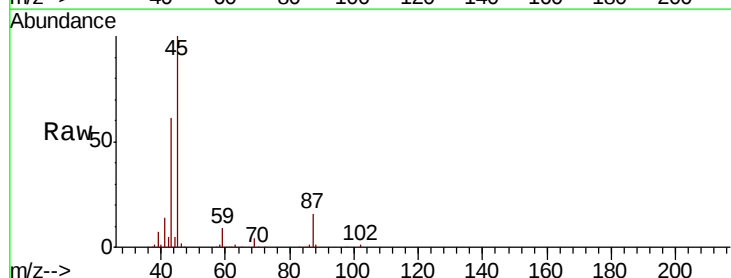
Ion Ratio Lower Upper

45 100

43 61.2 48.6 72.8

87 15.7 13.3 19.9

59 8.5 7.1 10.7

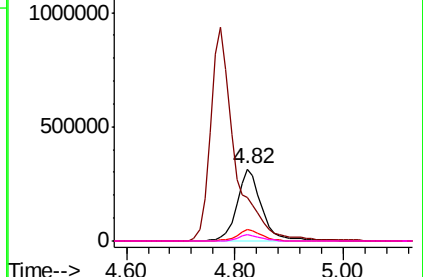
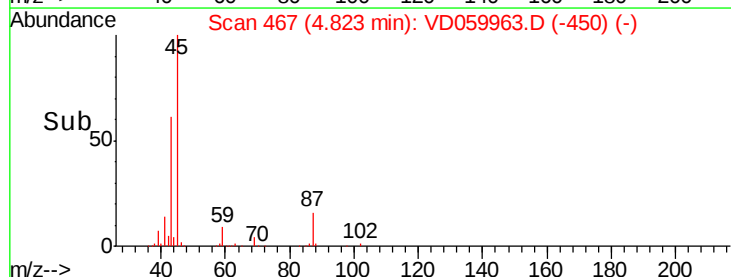


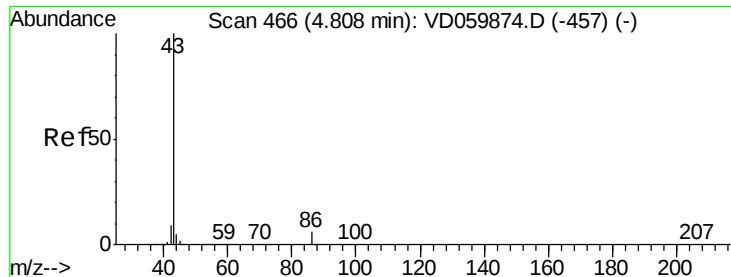
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 110.28 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleID :

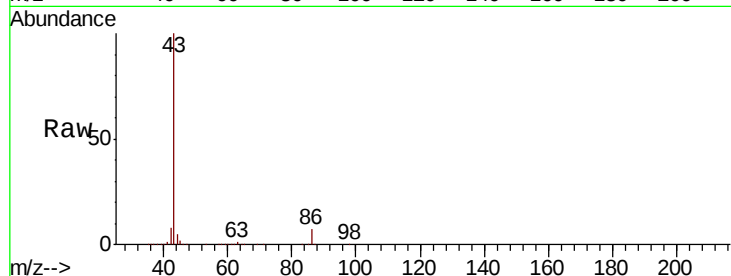
VD0905SBSD01

Tot Ion: 43 Resp: 2908791

Ion Ratio Lower Upper

43 100

86 6.7 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.77

1000000

800000

600000

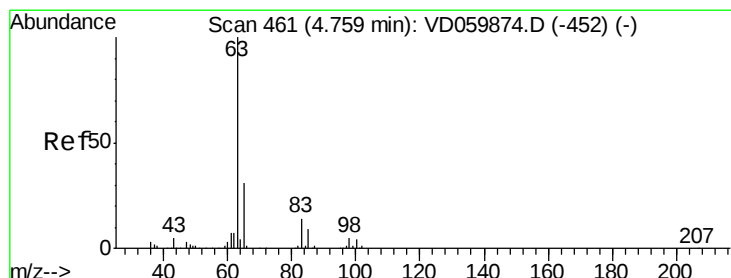
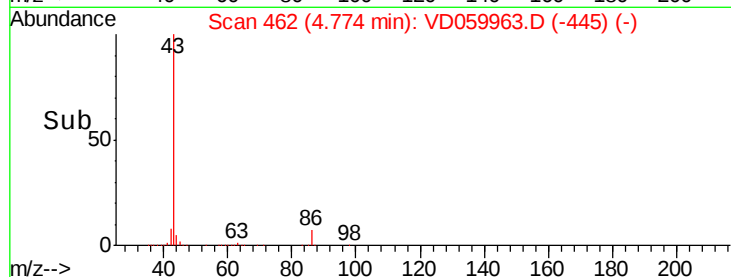
400000

200000

0

Time-->

4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 20.86 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

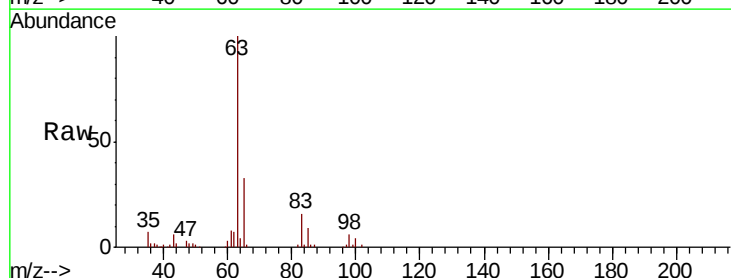
Tgt Ion: 63 Resp: 425202

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

100 3.7 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.72

150000

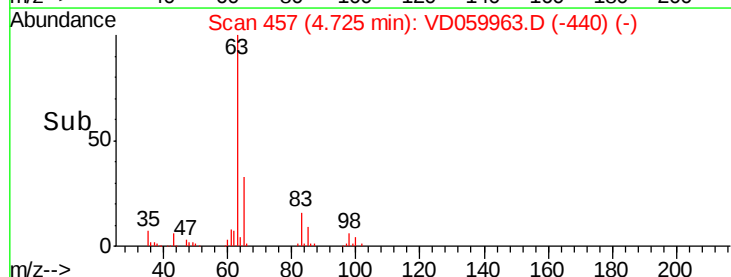
100000

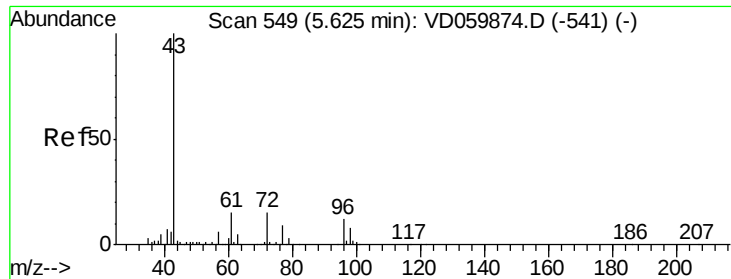
50000

0

Time-->

4.60 4.70 4.80 4.90

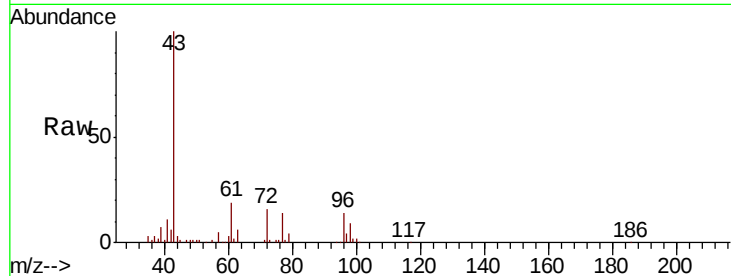




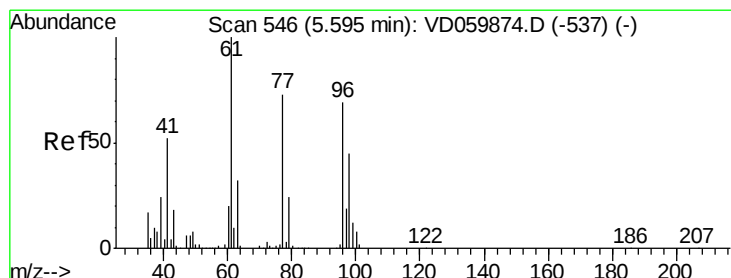
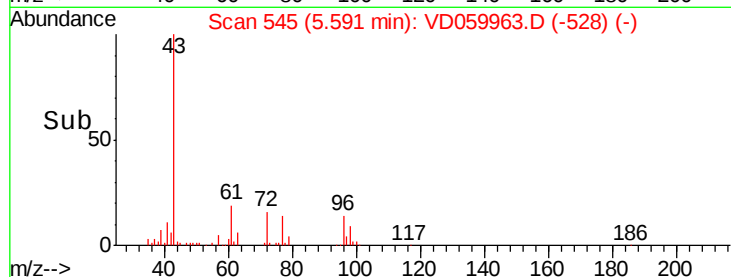
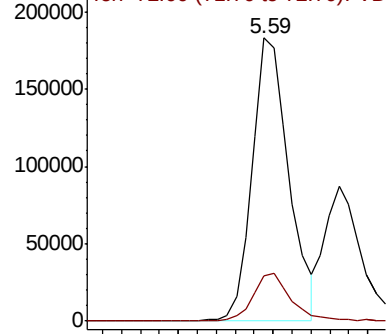
#25
2-Butanone
Concen: 92.60 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 43 Resp: 491762
Ion Ratio Lower Upper
43 100
72 15.9 12.3 18.5

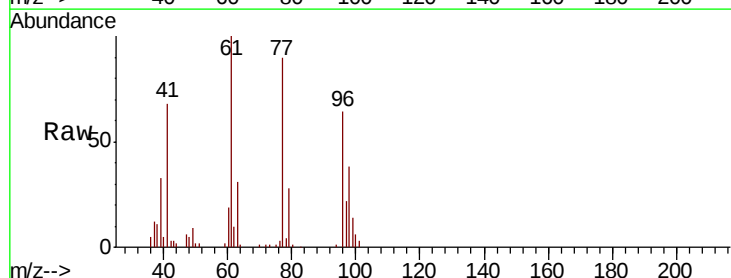


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

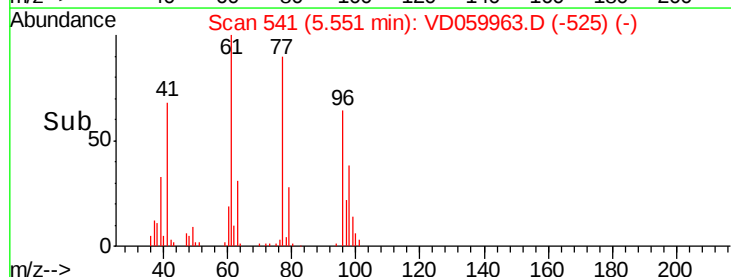
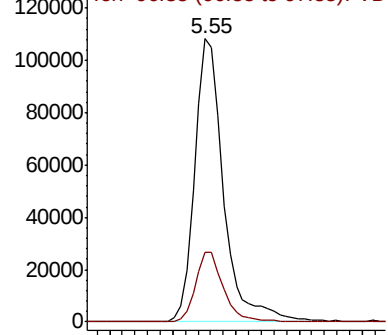


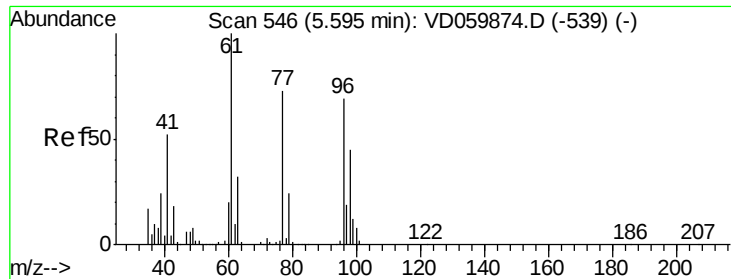
#26
2,2-Dichloropropane
Concen: 20.19 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.04 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 77 Resp: 344020
Ion Ratio Lower Upper
77 100
97 24.8 13.0 38.9



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





#27

cis-1,2-Dichloroethene

Concen: 20.89 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

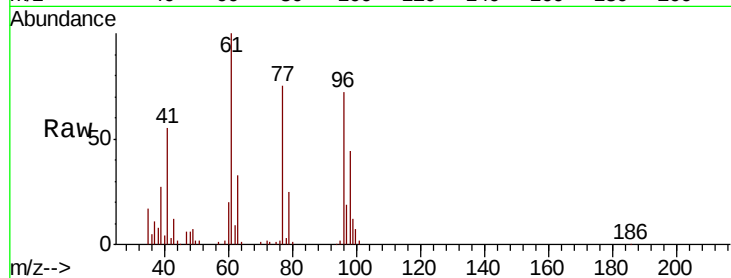
Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 96 Resp: 257725

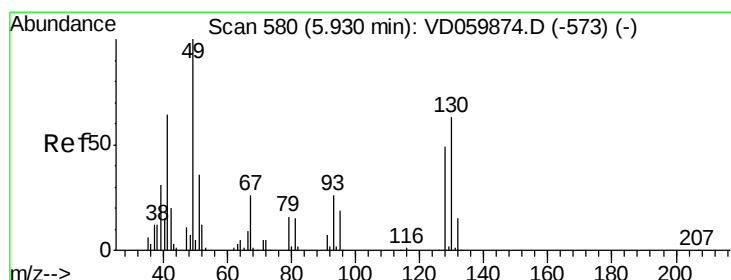
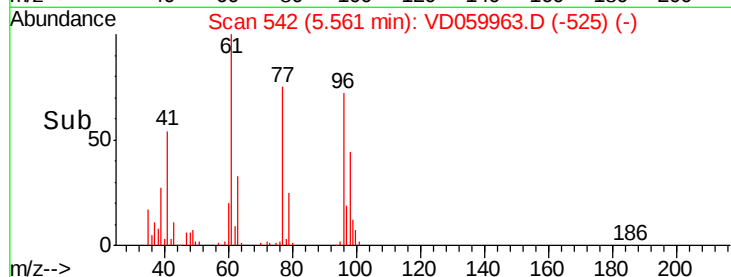
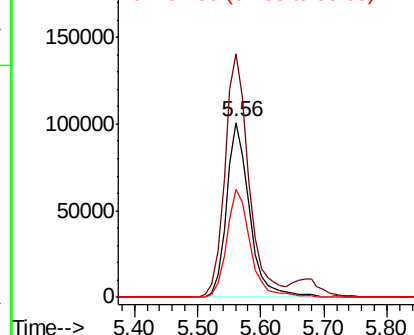
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	290.2
98	61.5	0.0	130.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 21.55 ug/l

RT: 5.90 min Scan# 576

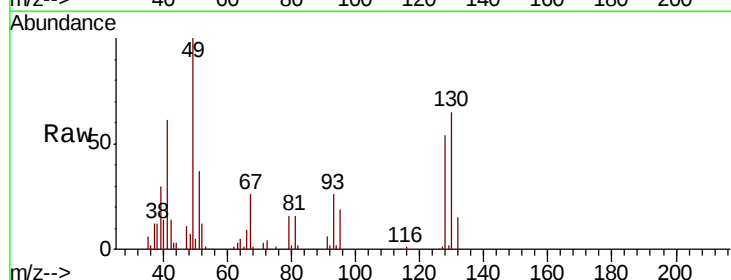
Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion: 49 Resp: 210500

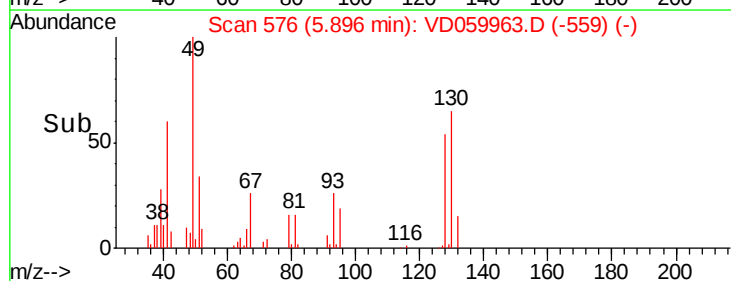
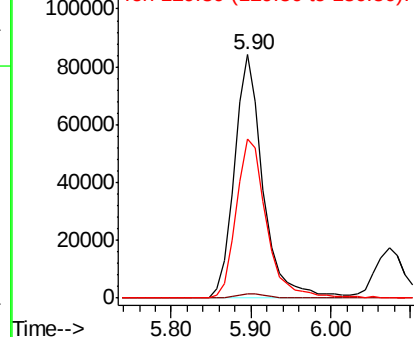
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.3	50.6	75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

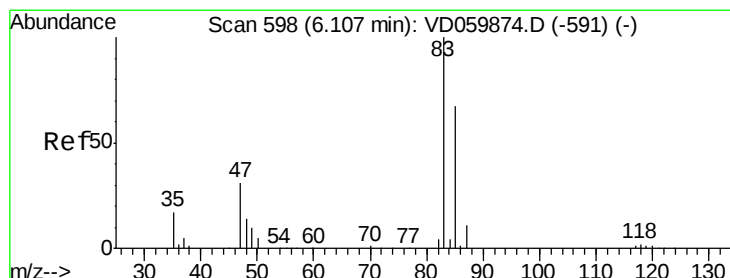
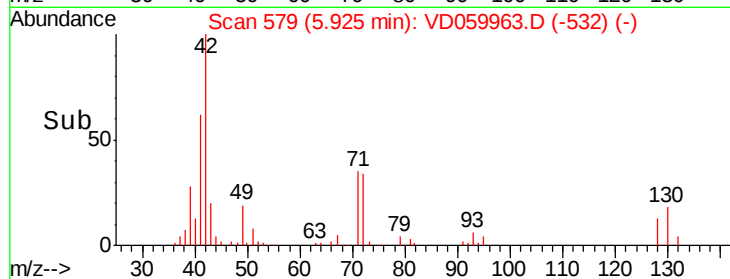
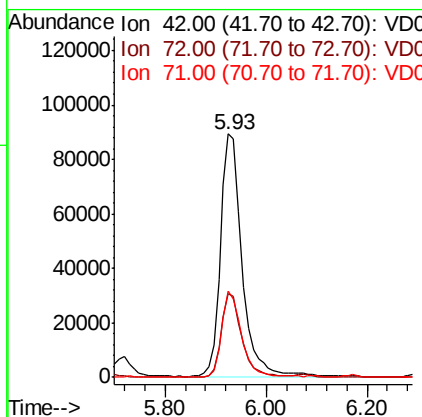
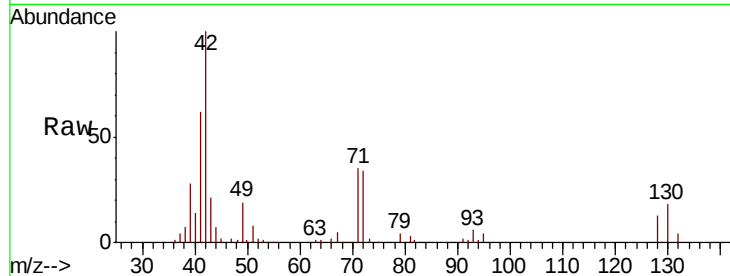




#29
Tetrahydrofuran
Concen: 106.80 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

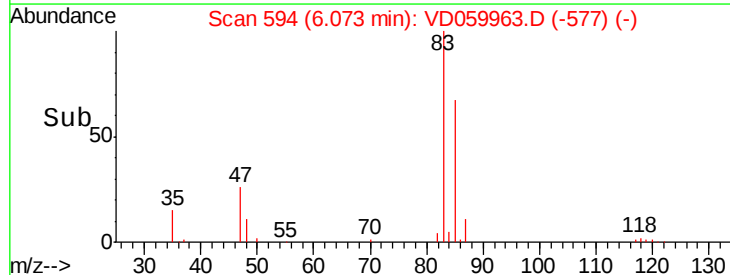
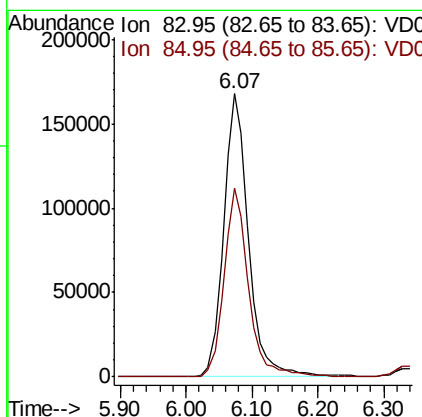
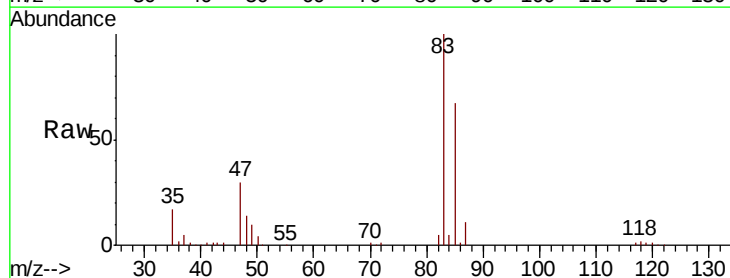
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

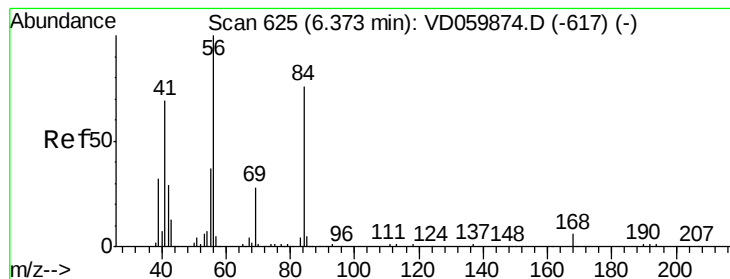
Tot Ion: 42 Resp: 270030
Ion Ratio Lower Upper
42 100
72 32.1 25.7 38.5
71 32.0 25.3 37.9



#30
Chloroform
Concen: 21.26 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 83 Resp: 440410
Ion Ratio Lower Upper
83 100
85 66.5 53.5 80.3





#31

Cvclohexane

Concen: 17.56 ug/l

RT: 6.34 min Scan# 621

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

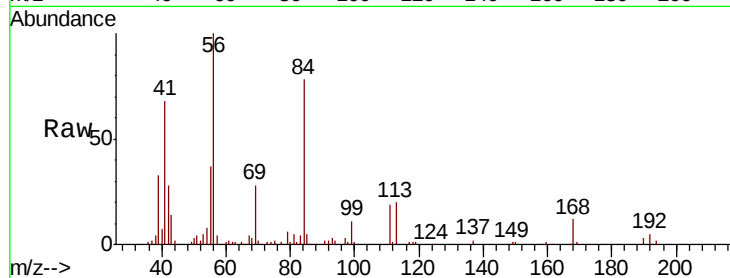
Tot Ion: 56 Resp: 328980

Ion Ratio Lower Upper

56 100

69 27.8 22.4 33.6

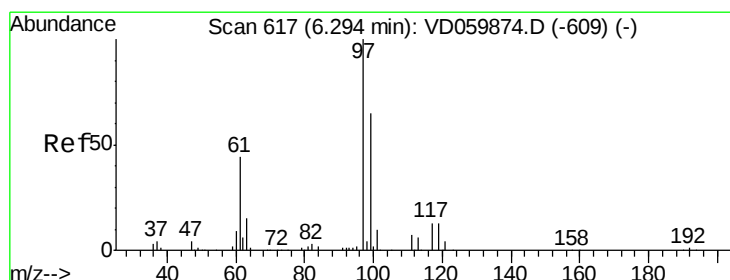
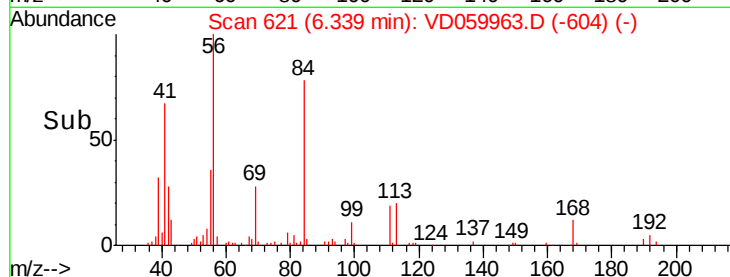
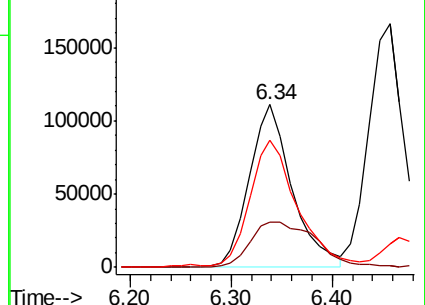
84 78.2 62.1 93.1



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: 19.26 ug/l

RT: 6.26 min Scan# 613

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

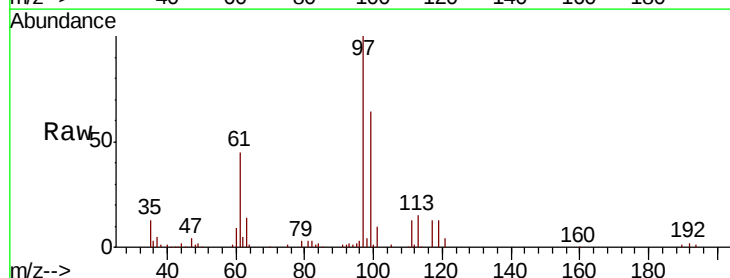
Tgt Ion: 97 Resp: 338574

Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

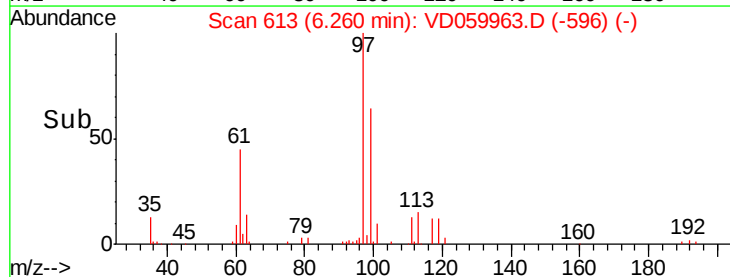
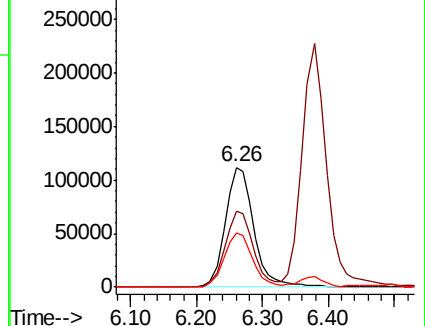
61 44.9 35.4 53.2

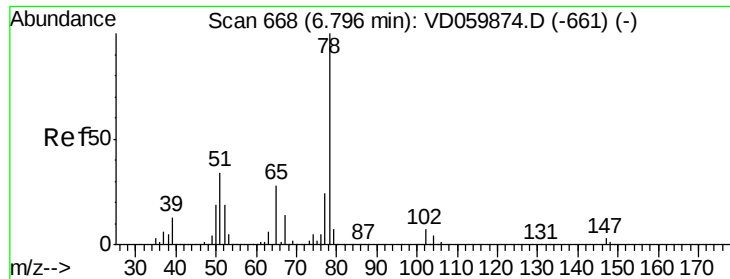


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.26 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

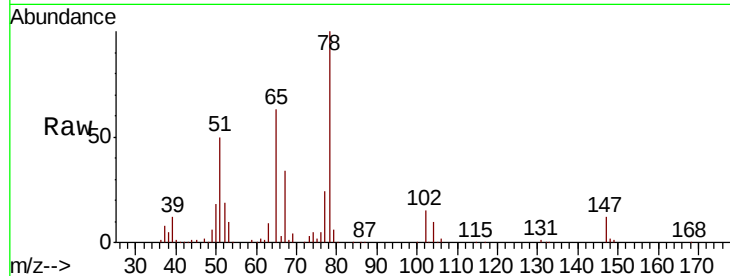
VD0905SBSD01

Tot Ion: 65 Resp: 497433

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

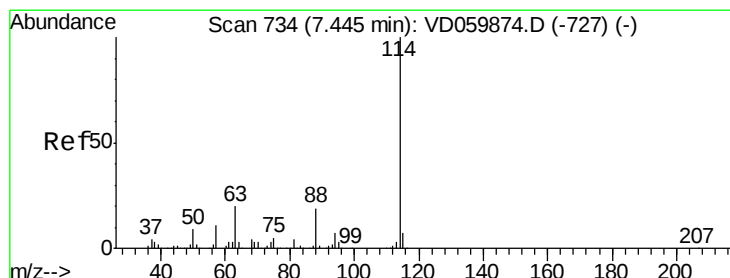
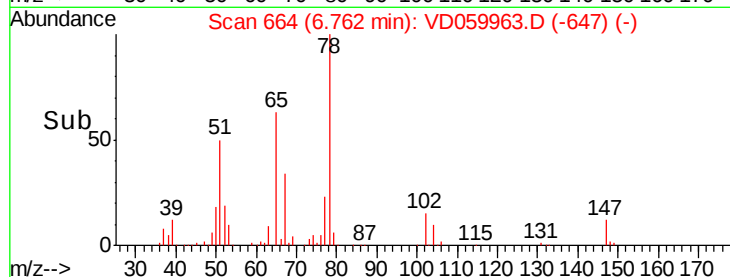
50000

0

6.70

6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

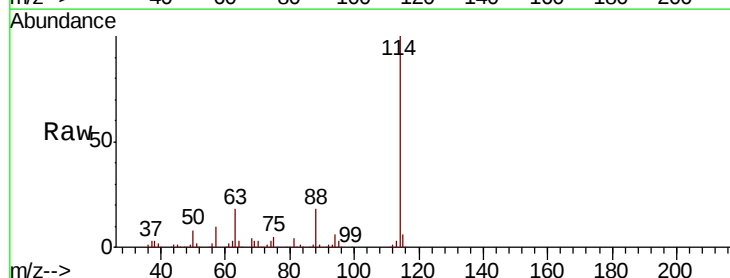
Tgt Ion: 114 Resp: 1601800

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.4

88 18.4 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

400000

200000

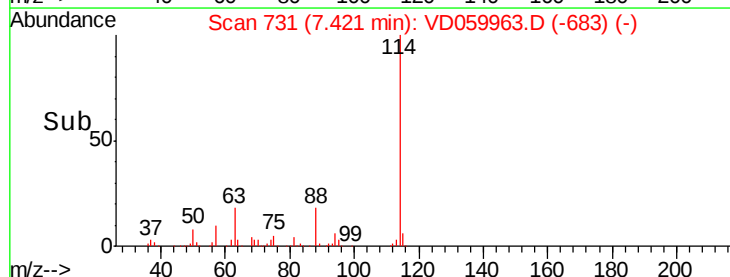
0

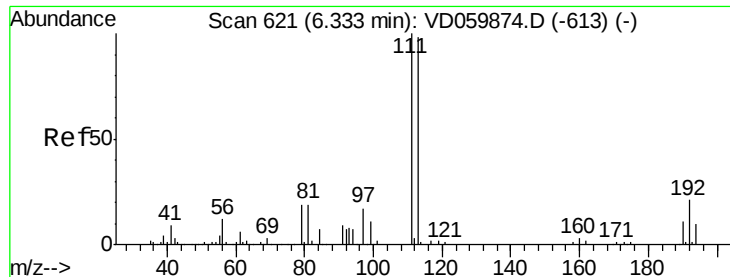
7.20

7.40

7.60

Time-->

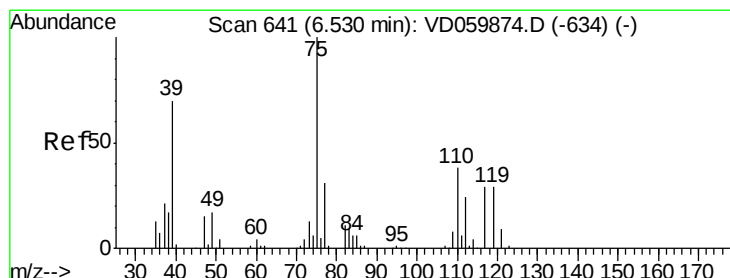
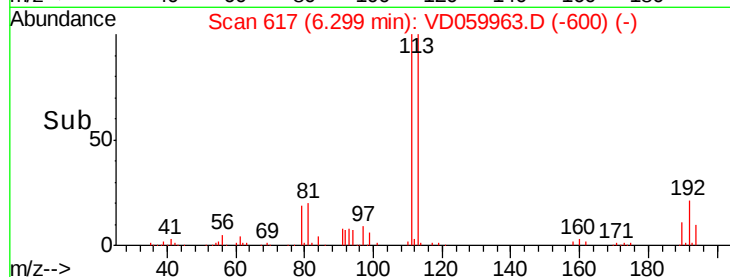
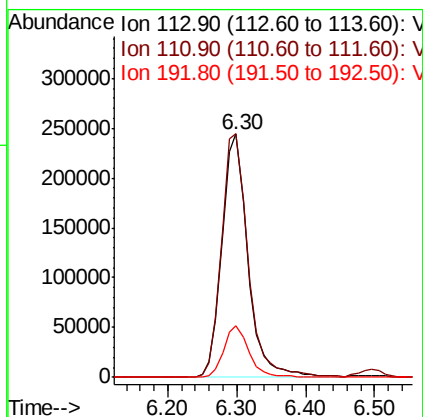
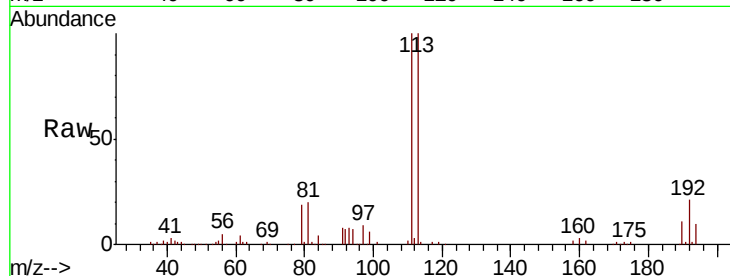




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

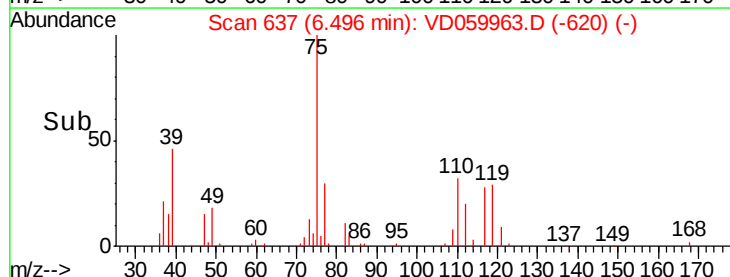
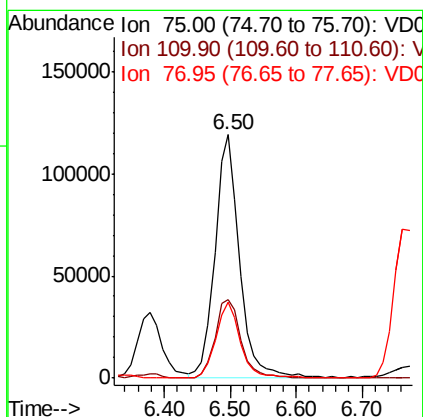
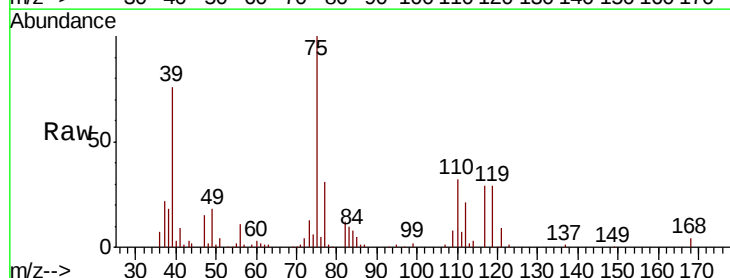
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

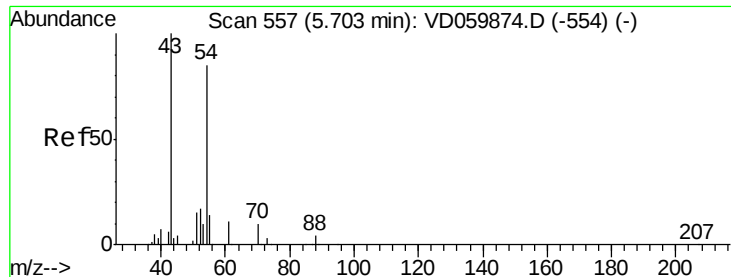
Tot Ion:113 Resp: 638600
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.4 122.2
 192 21.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 20.90 ug/l
 RT: 6.50 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 75 Resp: 303447
 Ion Ratio Lower Upper
 75 100
 110 32.3 18.6 56.0
 77 31.0 25.1 37.7

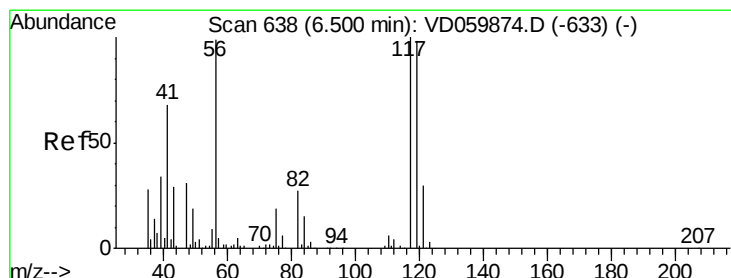
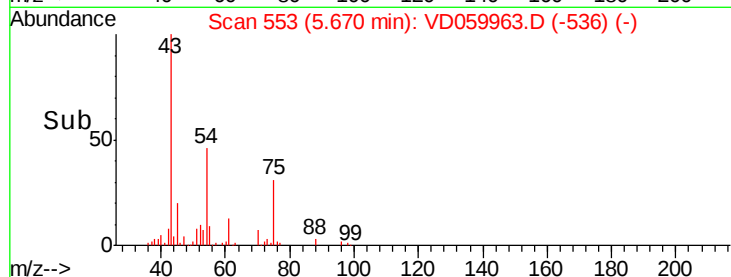
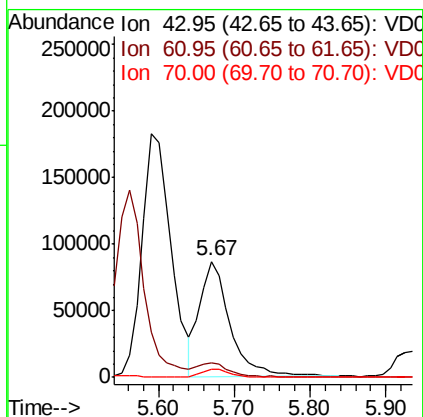
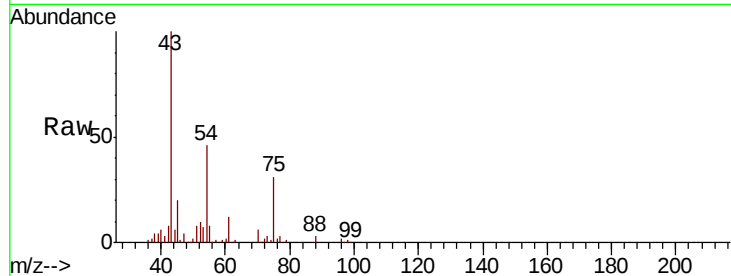




#37
Ethyl Acetate
Concen: 21.32 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

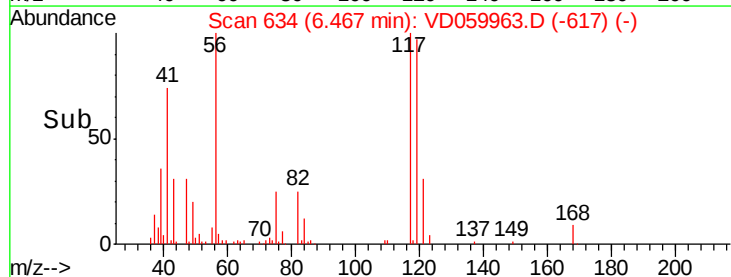
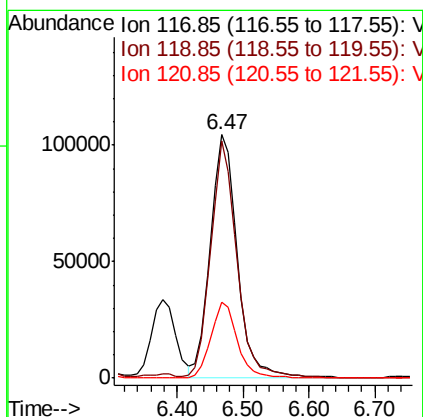
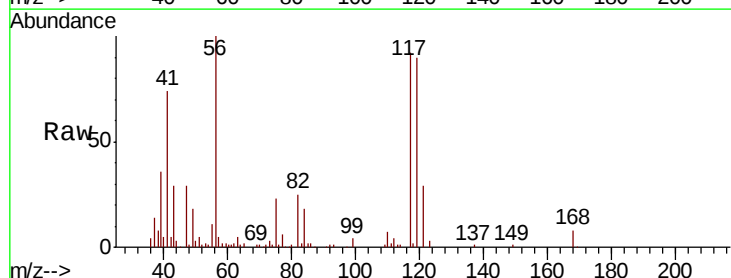
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

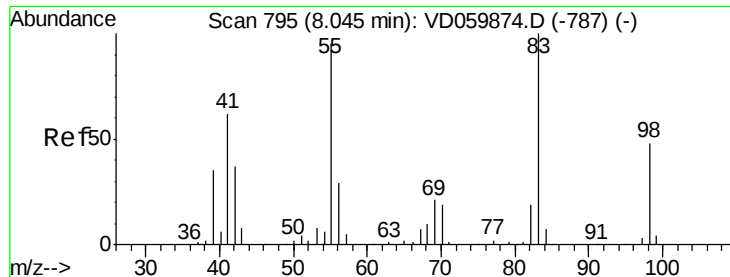
Tot Ion: 43 Resp: 240898
Ion Ratio Lower Upper
43 100
61 12.5 11.0 16.6
70 6.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.91 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 117 Resp: 291696
Ion Ratio Lower Upper
117 100
119 97.5 77.2 115.8
121 30.9 24.0 36.0

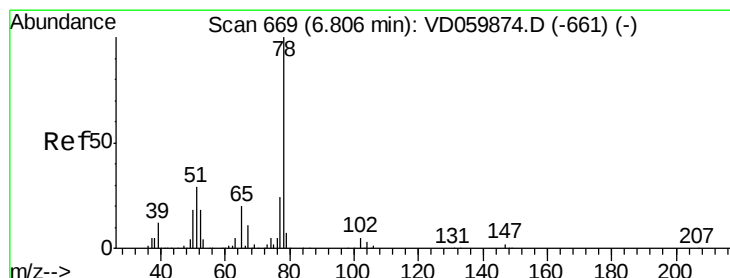
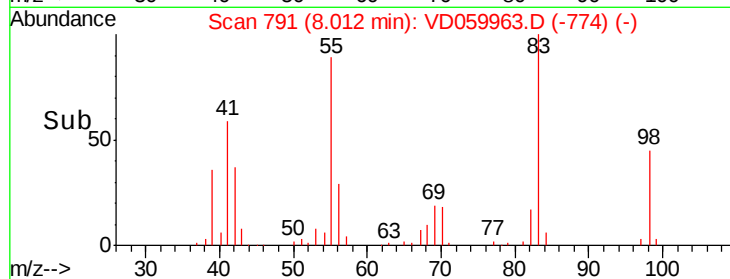
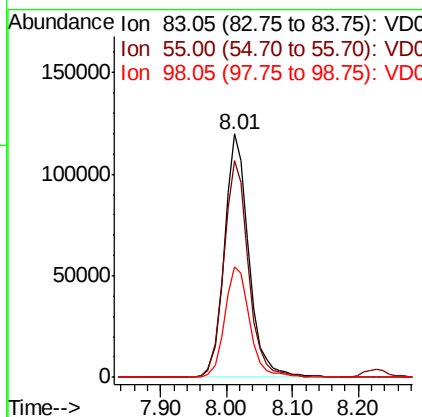
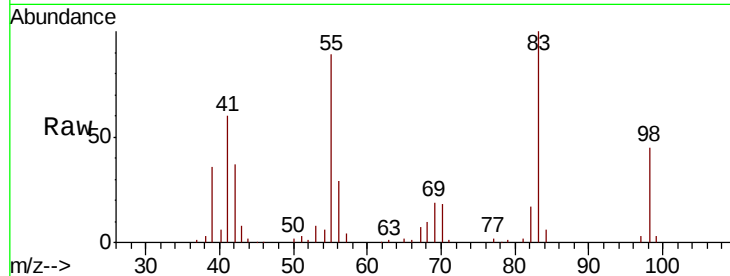




#39
Methvlcvclohexane
Concen: 19.71 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

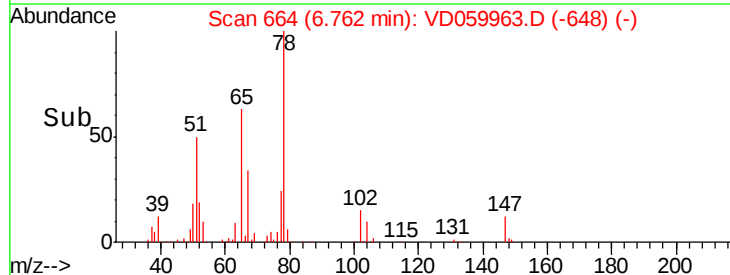
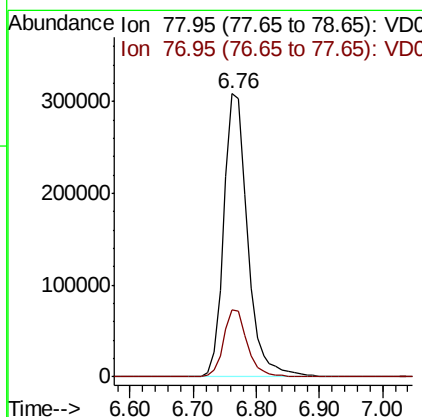
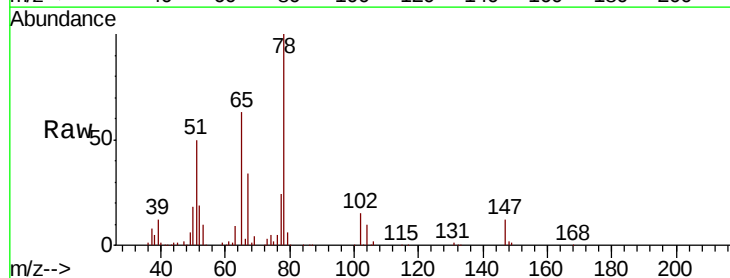
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 83 Resp: 309179
Ion Ratio Lower Upper
83 100
55 88.8 75.8 113.6
98 45.4 38.3 57.5



#40
Benzene
Concen: 21.54 ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 78 Resp: 813428
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

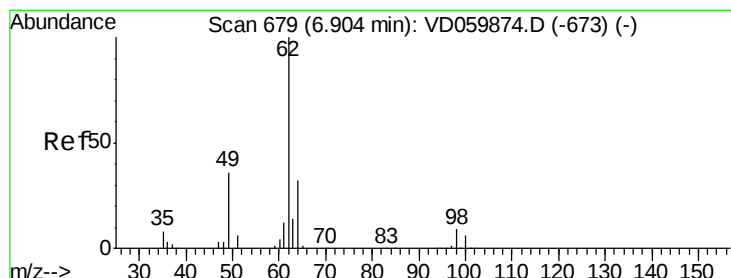
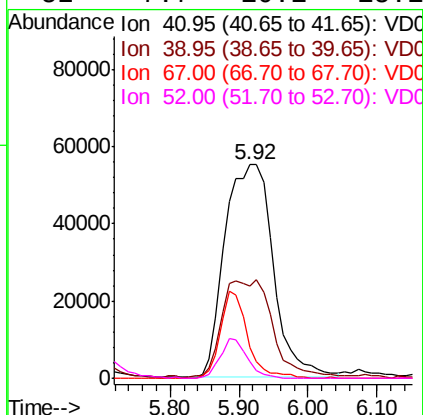
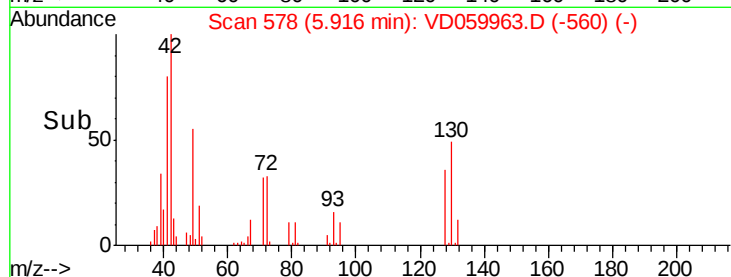
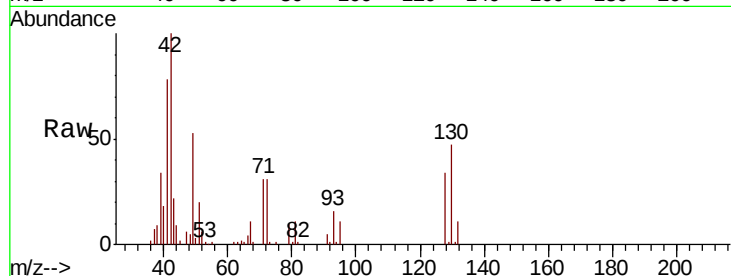




#41
Methacrylonitrile
Concen: 47.06 ug/l
RT: 5.92 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

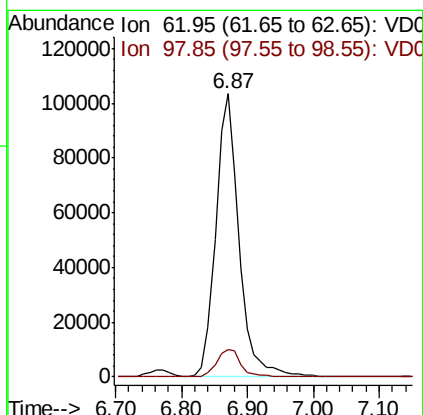
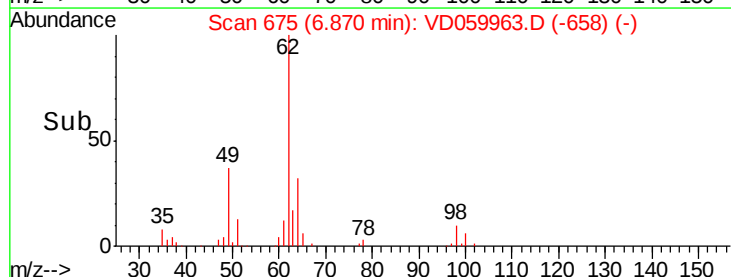
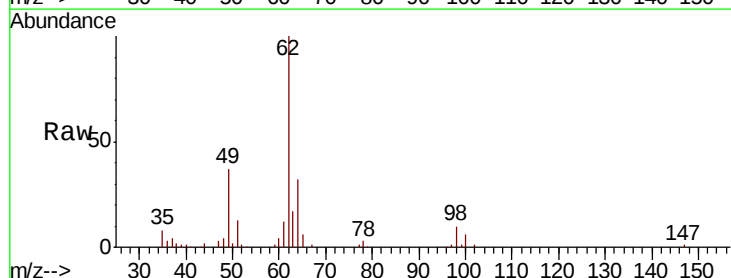
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

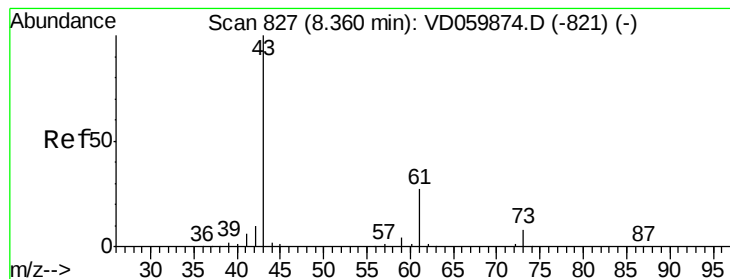
Tot Ion	Ratio	Lower	Upper
41	100		
39	43.4	39.4	59.2
67	14.4	22.2	33.2
52	7.7	10.1	15.1



#42
1,2-Dichloroethane
Concen: 20.82 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.03 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



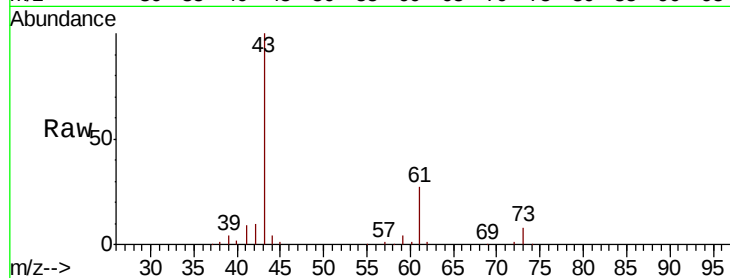


#43

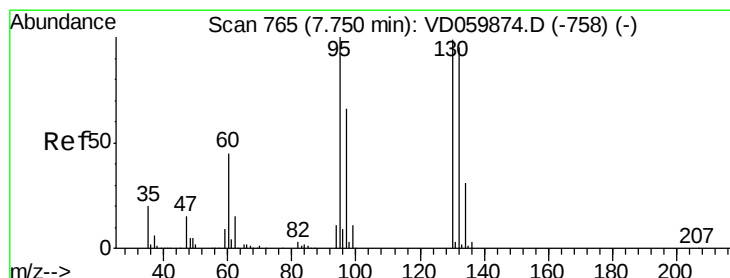
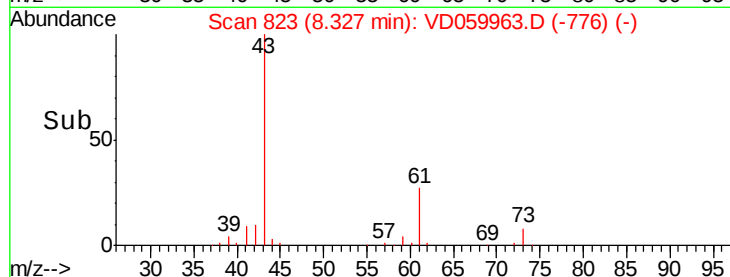
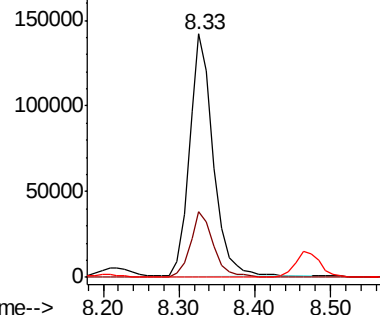
Isopropyl Acetate
 Concen: 21.08 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion: 43 Resp: 309915
 Ion Ratio Lower Upper
 43 100
 61 27.2 21.4 32.2
 87 0.0 0.2 0.4#



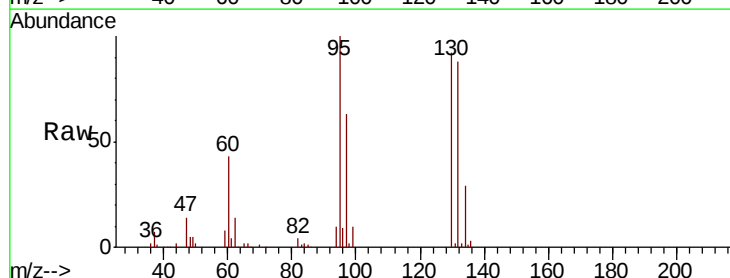
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



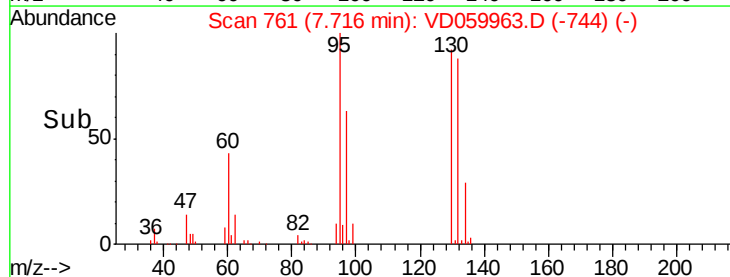
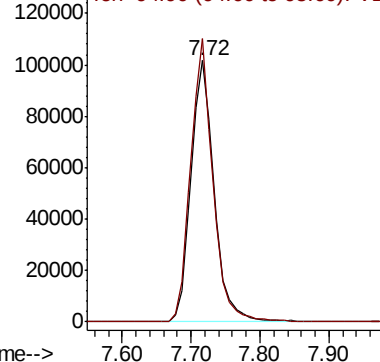
#44

Trichloroethene
 Concen: 21.27 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 130 Resp: 236462
 Ion Ratio Lower Upper
 130 100
 95 108.4 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 21.42 ug/l

RT: 8.08 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

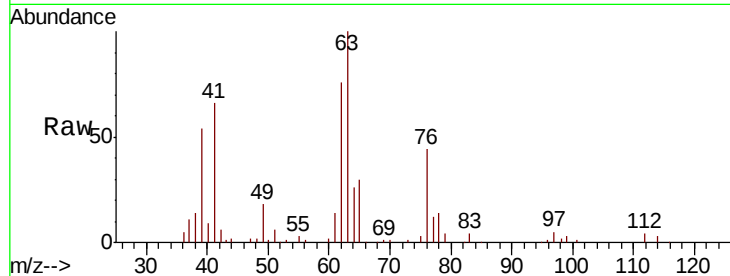
VD0905SBSD01

Tot Ion: 63 Resp: 226063

Ion Ratio Lower Upper

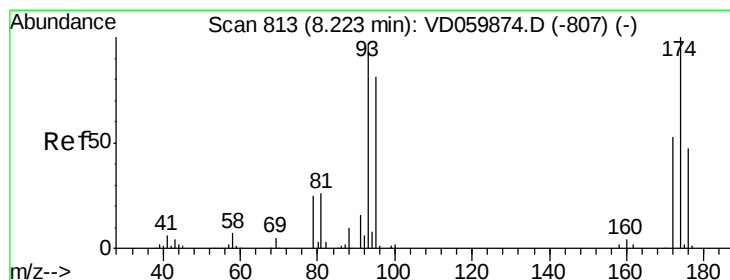
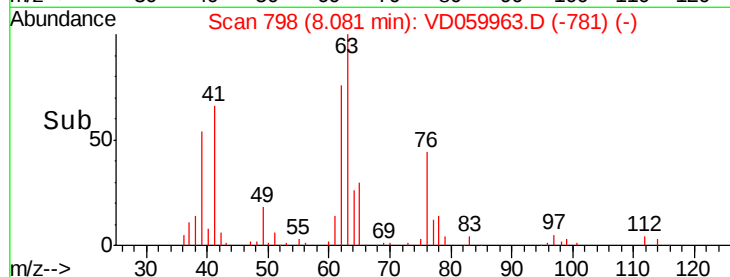
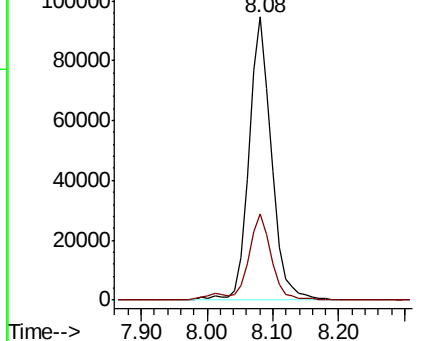
63 100

65 30.5 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.81 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

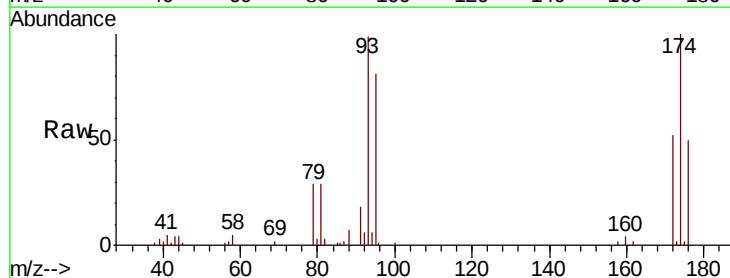
Tgt Ion: 93 Resp: 141235

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

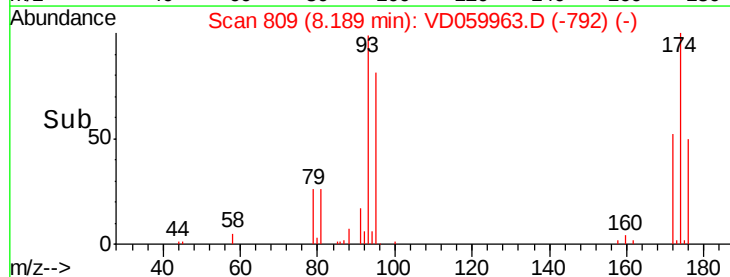
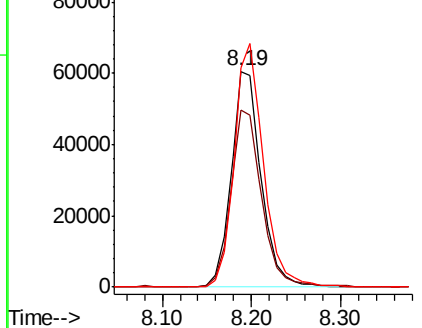
174 101.4 82.4 123.6

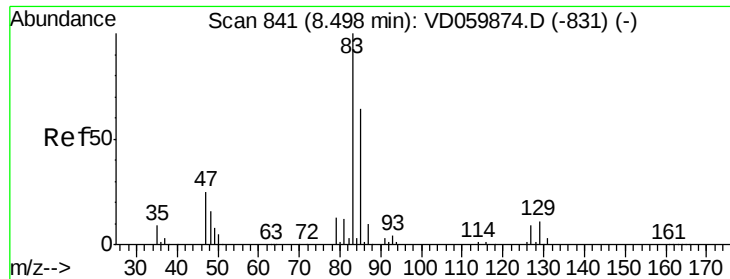


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.97 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

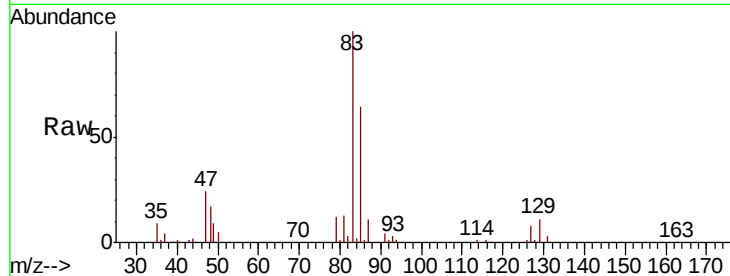
Tot Ion: 83 Resp: 322157

Ion Ratio Lower Upper

83 100

85 64.1 51.3 76.9

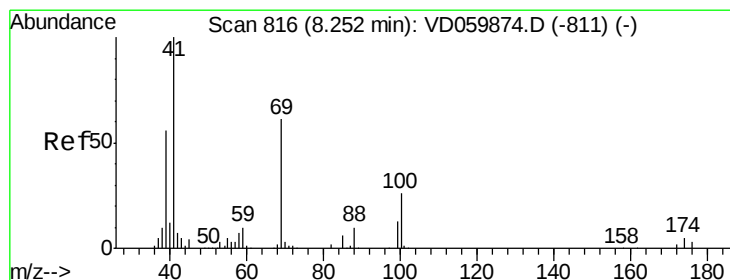
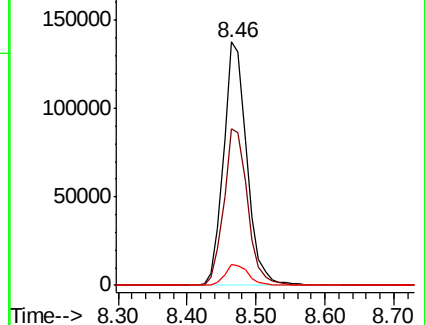
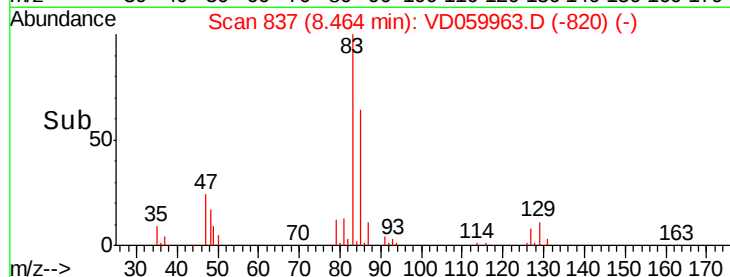
127 8.5 7.0 10.4



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: 20.56 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

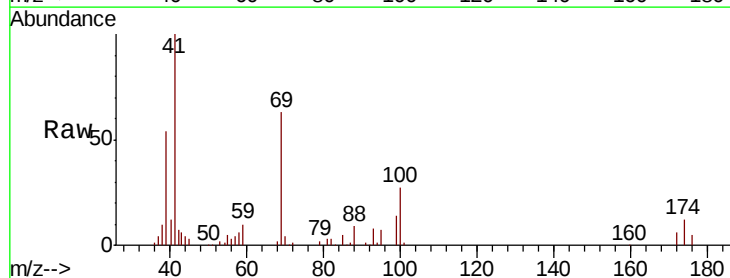
Tgt Ion: 41 Resp: 176173

Ion Ratio Lower Upper

41 100

69 63.5 48.0 72.0

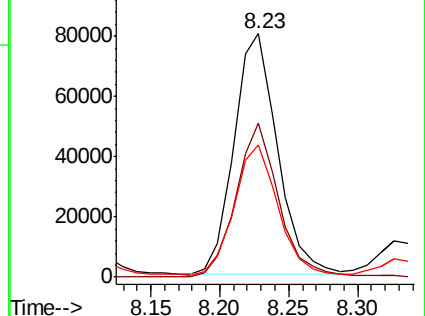
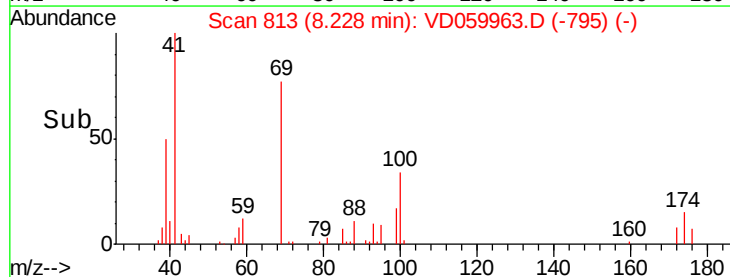
39 54.2 45.4 68.0

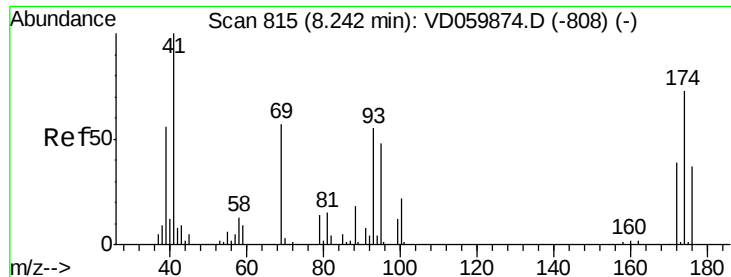


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 426.22 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

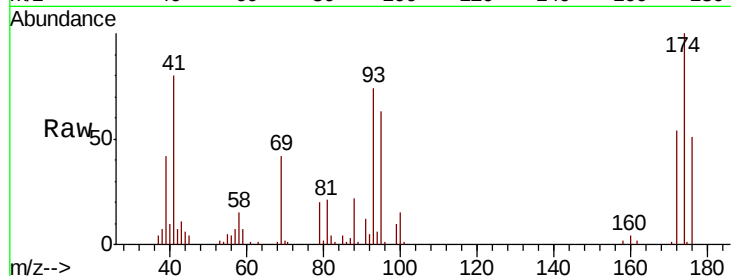
Tot Ion: 88 Resp: 32607

Ion Ratio Lower Upper

88 100

43 50.8 45.0 67.6

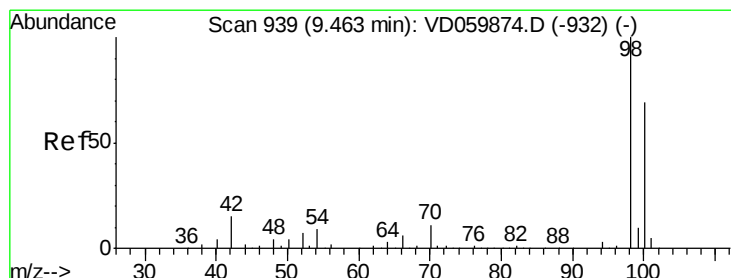
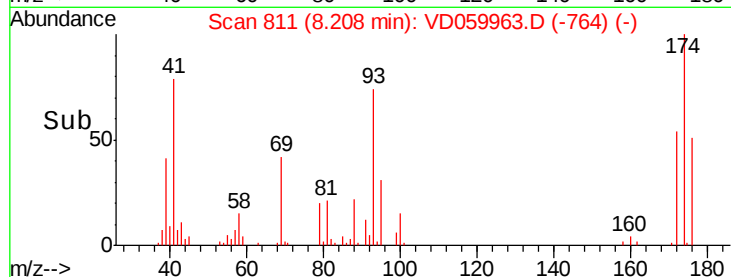
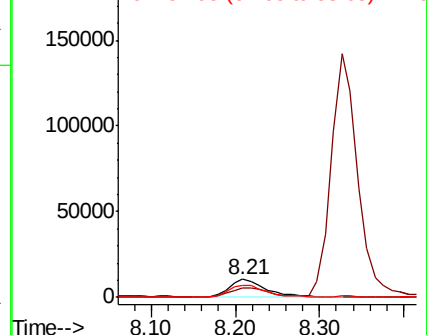
58 65.6 55.8 83.8



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: 426.22 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059963.D

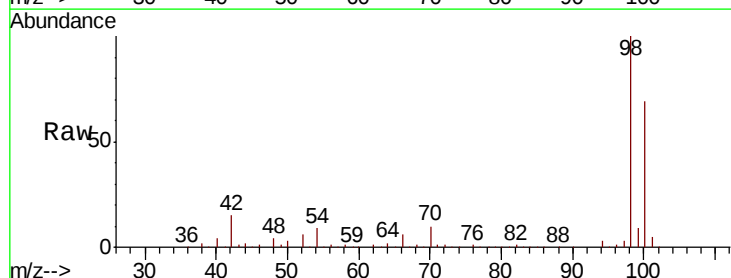
Acq: 5 Sep 2018 12:20

Tgt Ion: 98 Resp: 1751435

Ion Ratio Lower Upper

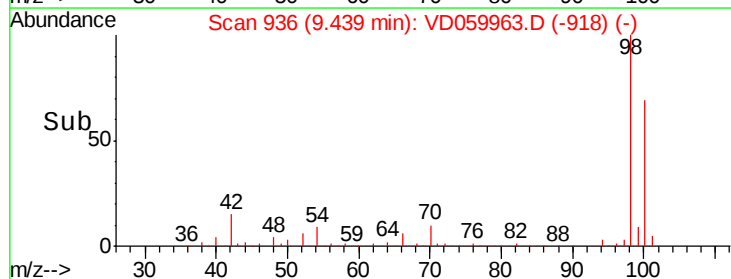
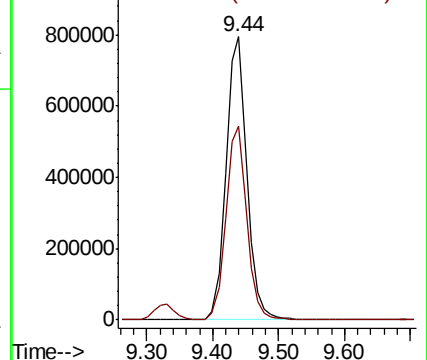
98 100

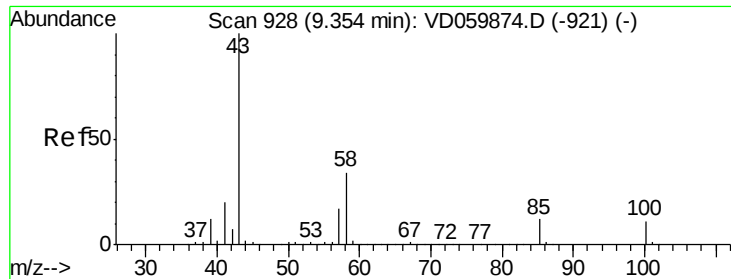
100 68.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 92.54 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

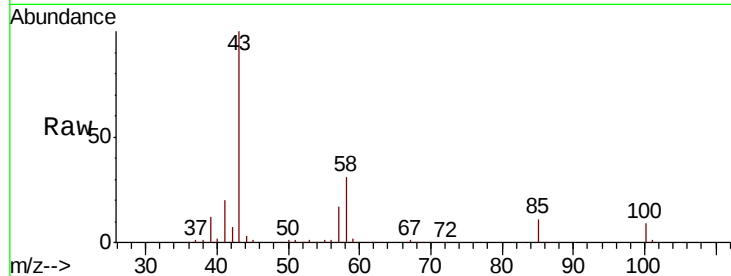
VD0905SBSD01

Tot Ion: 43 Resp: 1014096

Ion Ratio Lower Upper

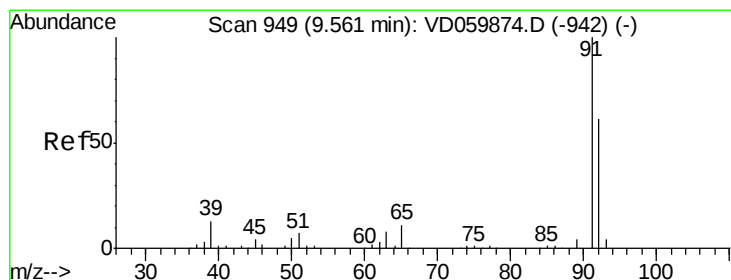
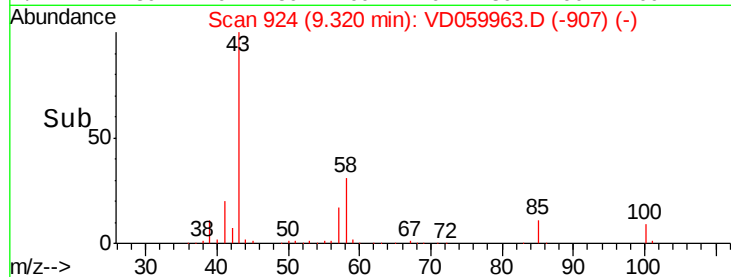
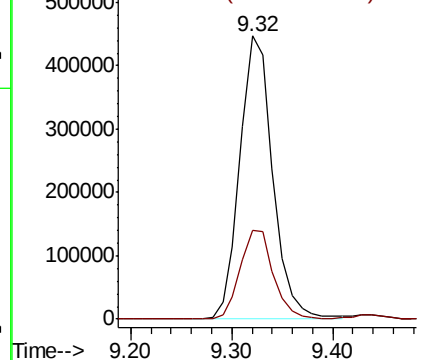
43 100

58 31.3 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.16 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059963.D

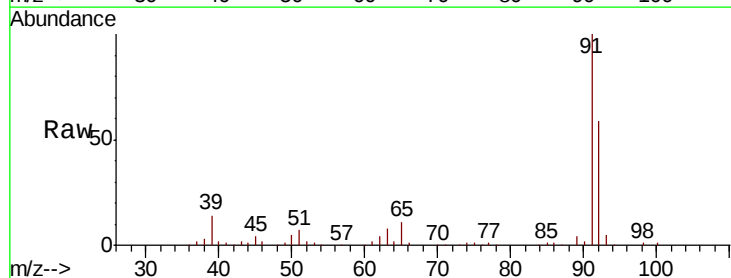
Acq: 5 Sep 2018 12:20

Tgt Ion: 92 Resp: 463845

Ion Ratio Lower Upper

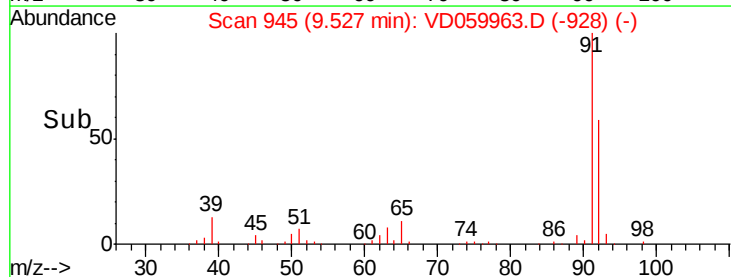
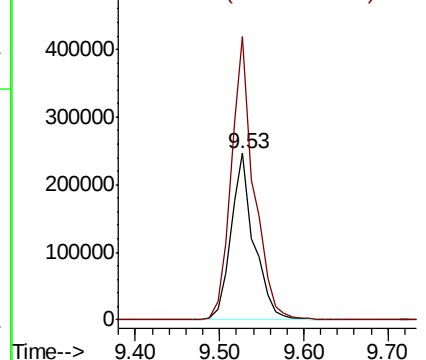
92 100

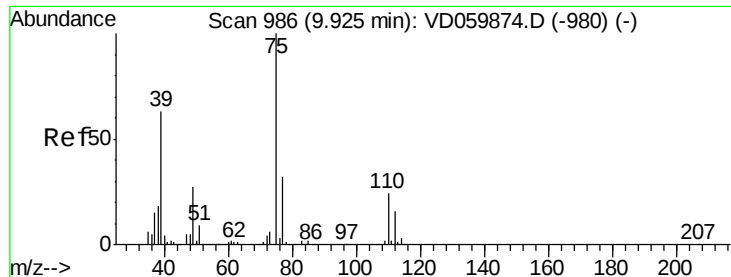
91 170.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

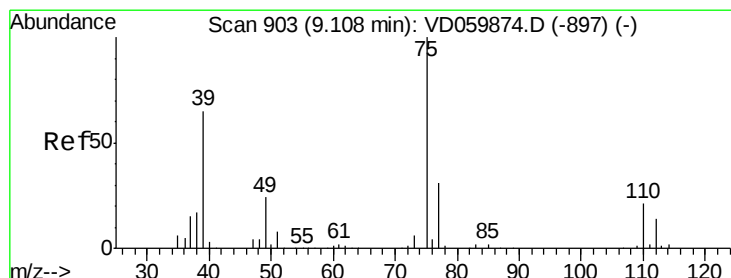
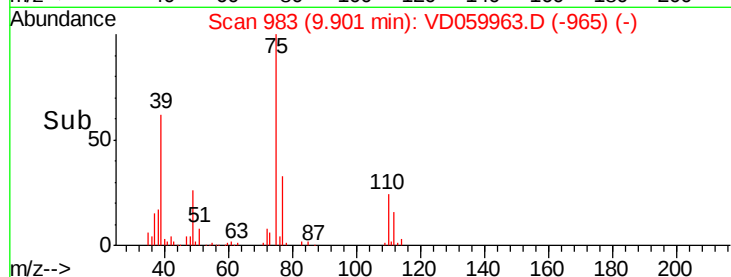
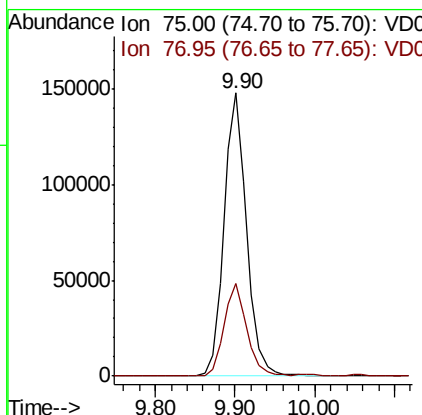
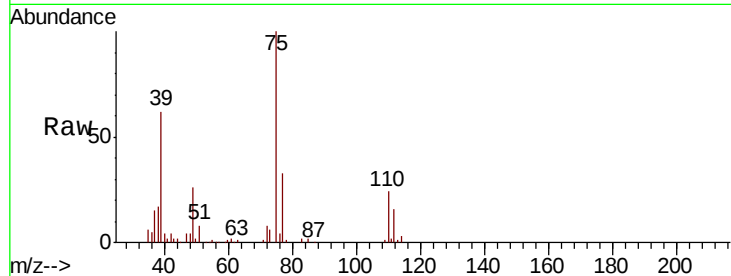




#53
 t-1,3-Dichloropropene
 Concen: 20.60 ug/l
 RT: 9.90 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

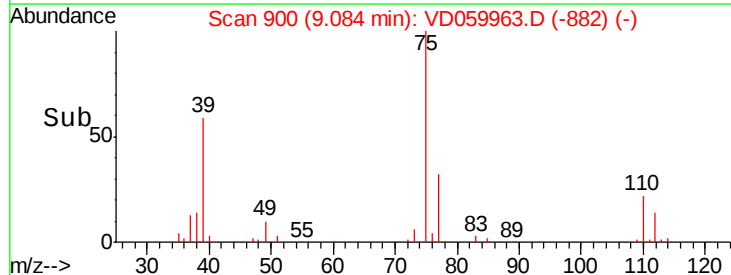
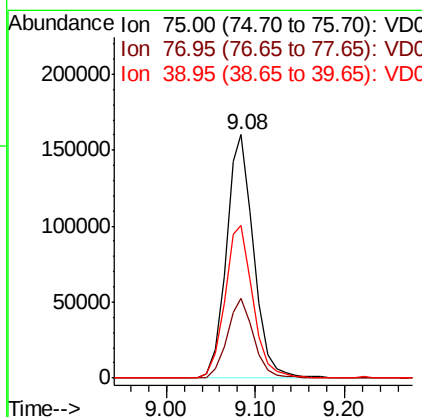
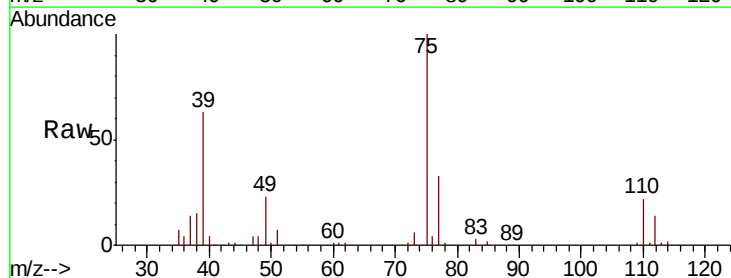
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

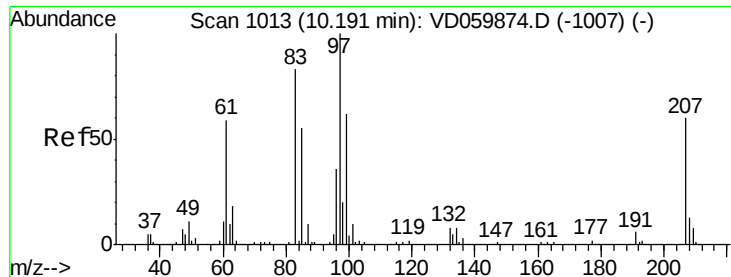
Tot Ion: 75 Resp: 292665
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.86 ug/l
 RT: 9.08 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 75 Resp: 343660
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.8 37.2
 39 62.5 52.1 78.1

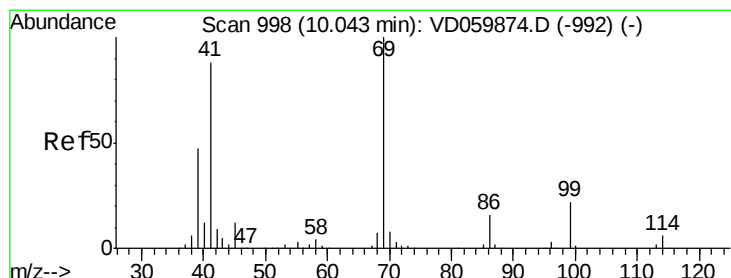
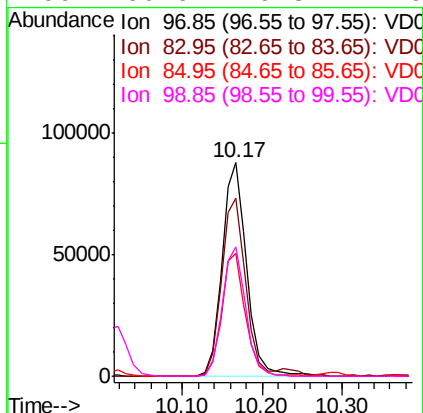
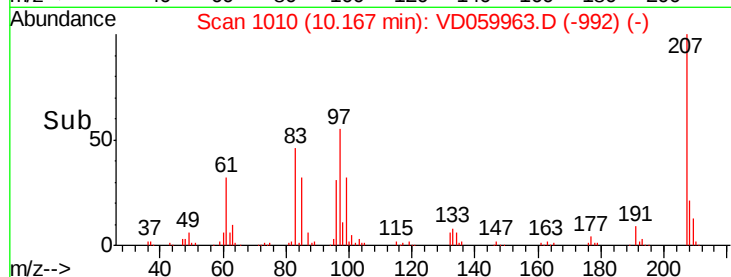
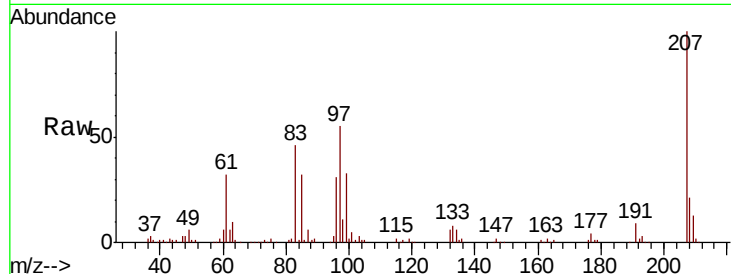




#55
 1,1,2-Trichloroethane
 Concen: 21.42 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

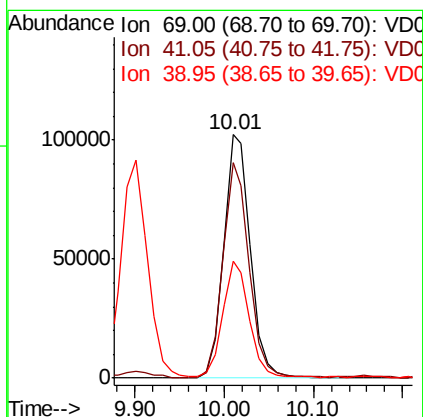
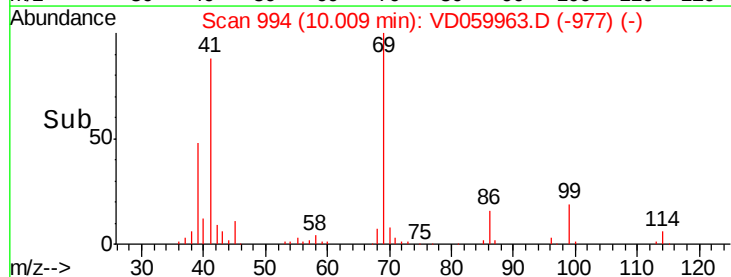
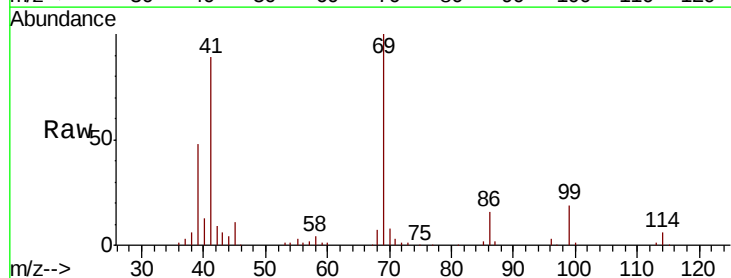
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

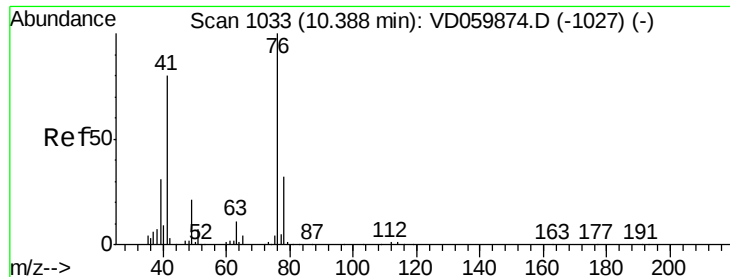
Tot Ion:	97	Resp:	189552
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.7	100.1
85	57.7	43.8	65.6
99	60.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 21.02 ug/l
 RT: 10.01 min Scan# 994
 Delta R.T. -0.03 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion:	69	Resp:	214702
Ion	Ratio	Lower	Upper
69	100		
41	88.6	71.0	106.4
39	47.8	38.5	57.7

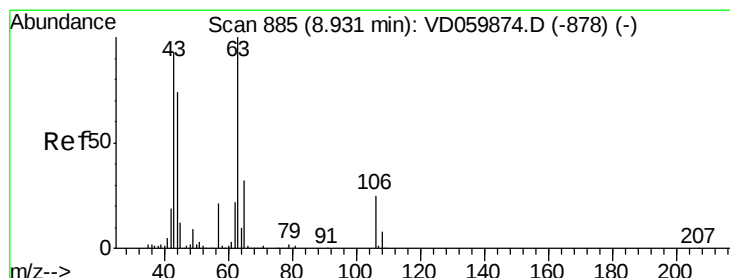
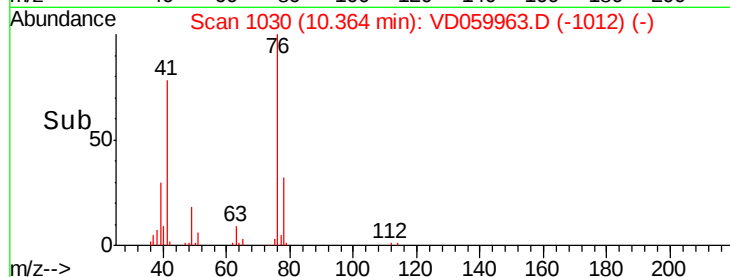
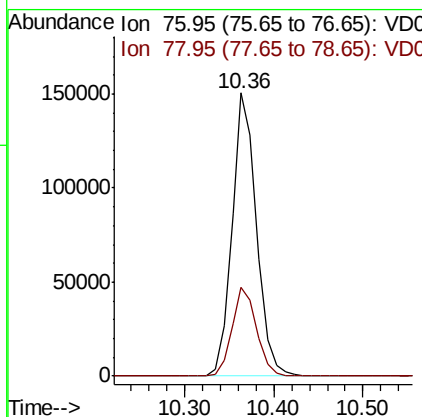
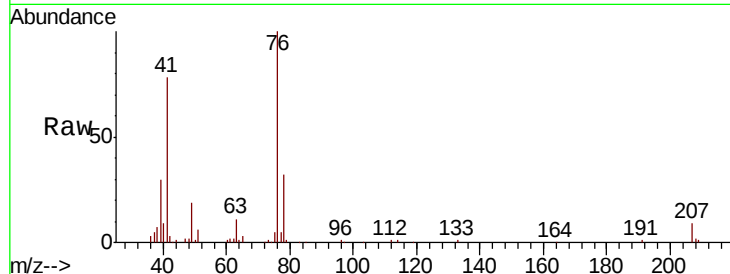




#57
 1,3-Dichloropropane
 Concen: 22.54 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

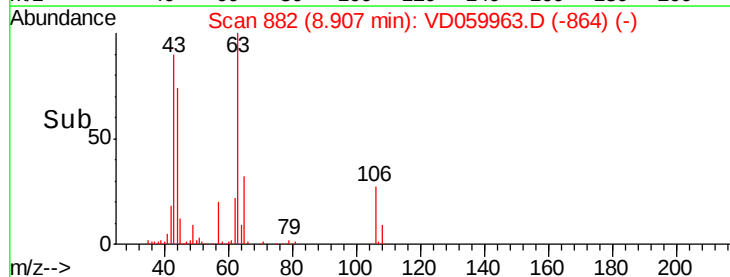
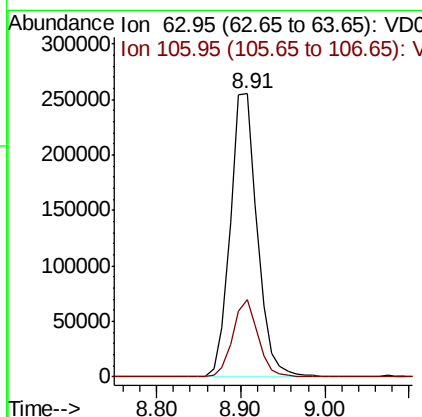
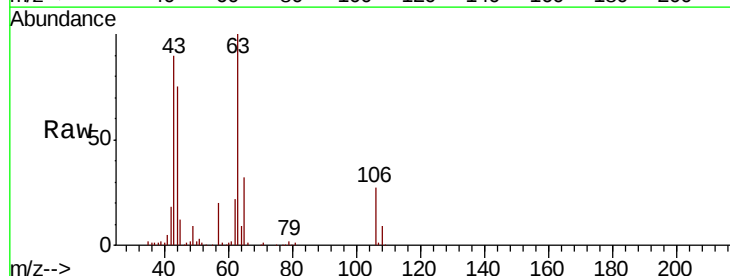
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

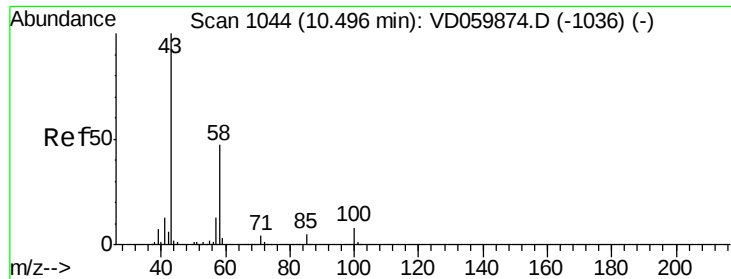
Tot Ion: 76 Resp: 288744
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.13 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 63 Resp: 568968
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.1 30.1

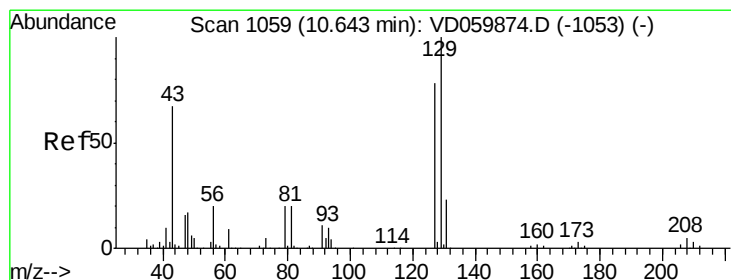
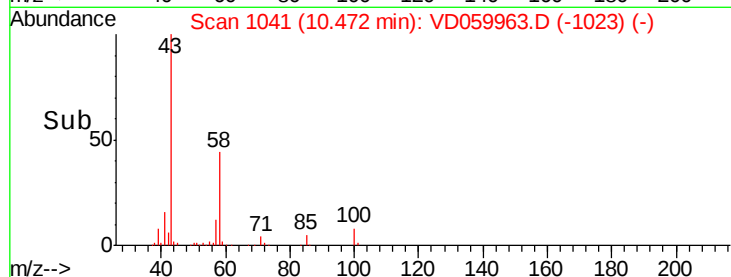
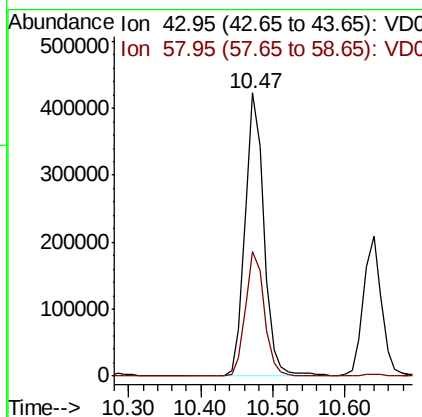
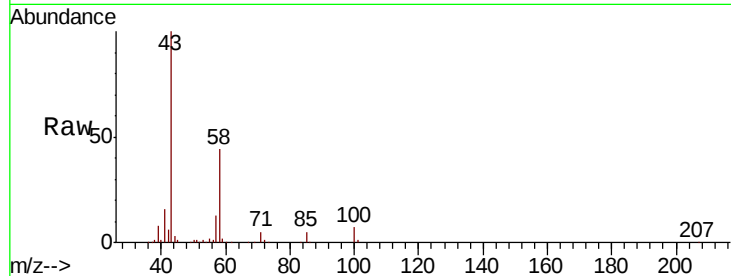




#59
2-Hexanone
Concen: 96.91 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

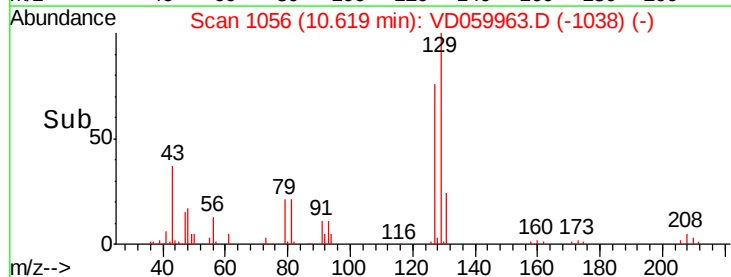
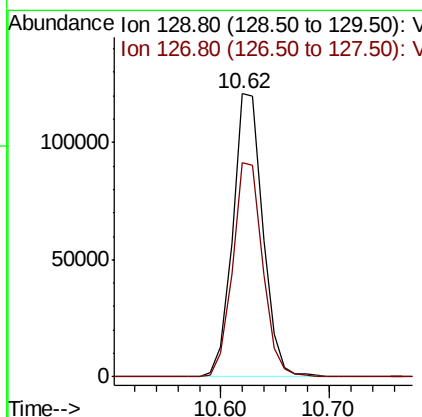
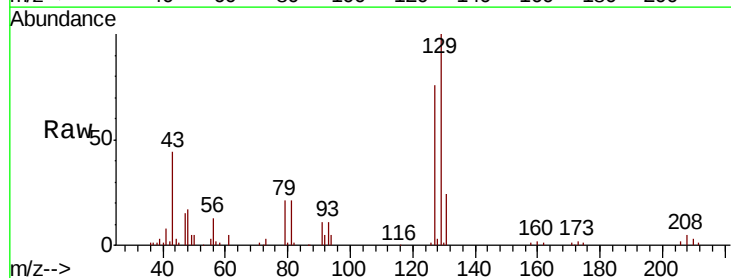
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

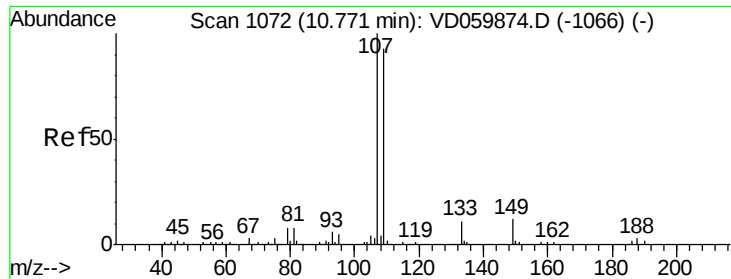
Tot Ion: 43 Resp: 783360
Ion Ratio Lower Upper
43 100
58 44.0 23.3 69.8



#60
Dibromochloromethane
Concen: 21.00 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 129 Resp: 233594
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.28 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

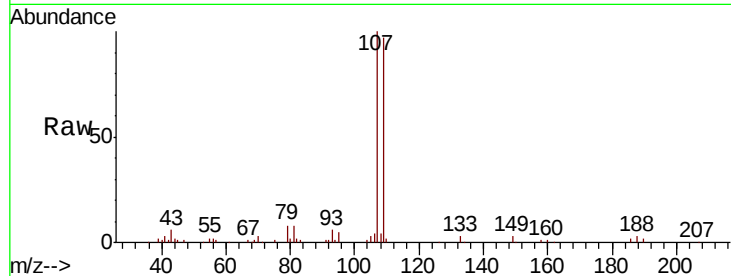
VD0905SBSD01

Tot Ion:107 Resp: 190394

Ion Ratio Lower Upper

107 100

109 96.8 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

100000

80000

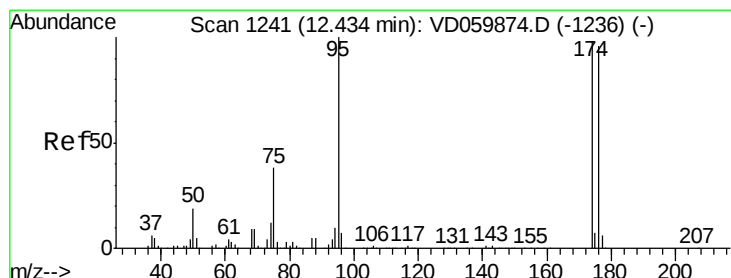
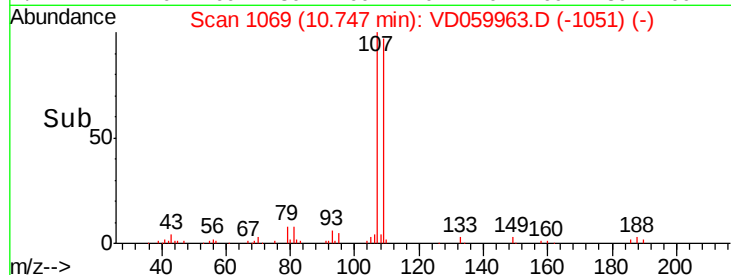
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.28 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

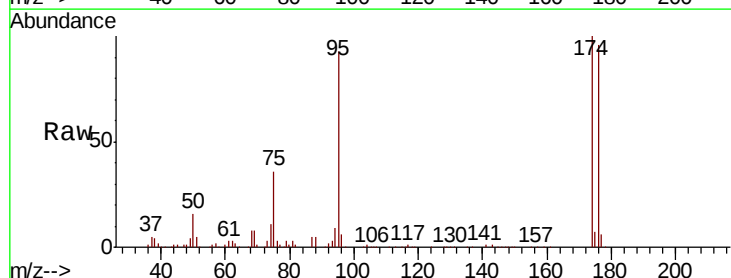
Tgt Ion: 95 Resp: 692471

Ion Ratio Lower Upper

95 100

174 107.9 0.0 195.6

176 104.0 0.0 191.2



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

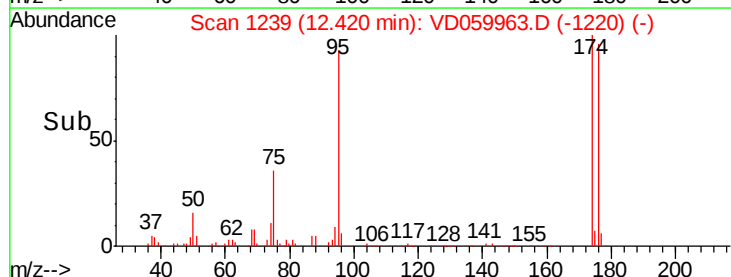
600000

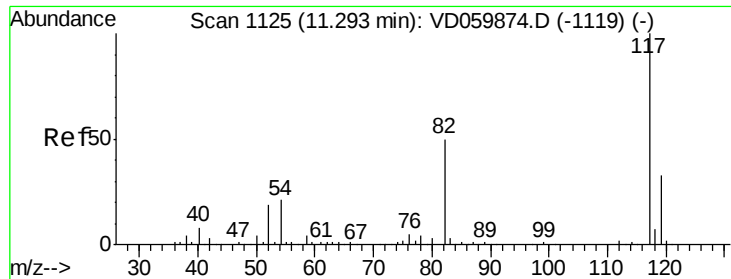
400000

200000

0

Time-->

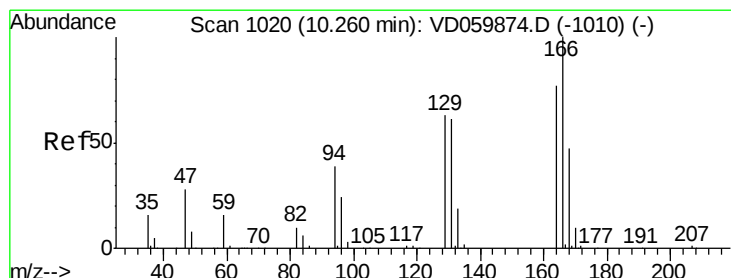
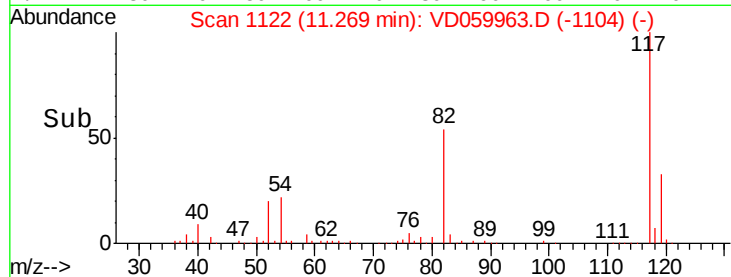
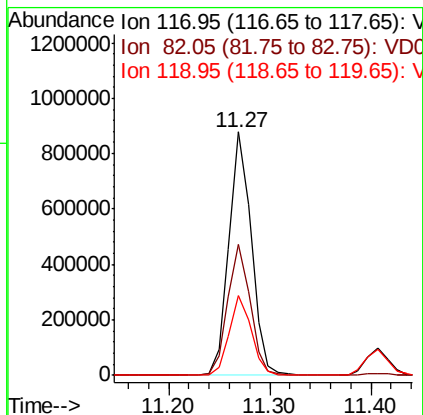
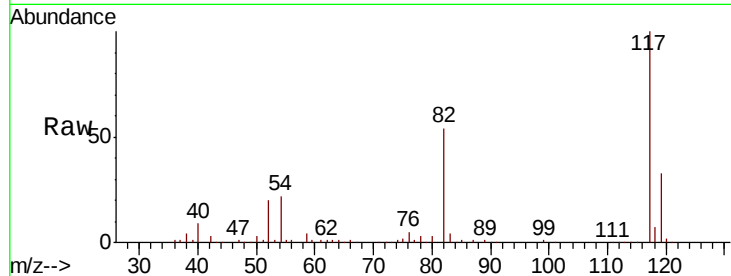




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

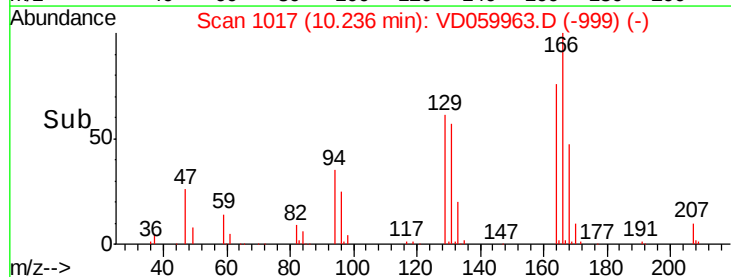
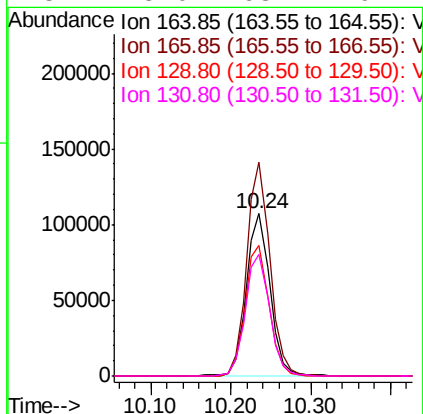
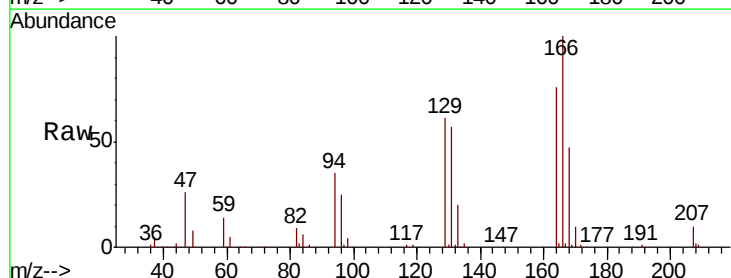
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:117 Resp: 1358007
Ion Ratio Lower Upper
117 100
82 53.8 40.1 60.1
119 32.7 26.7 40.1



#64
Tetrachloroethene
Concen: 20.61 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:164 Resp: 216397
Ion Ratio Lower Upper
164 100
166 131.8 103.4 155.2
129 80.5 65.2 97.8
131 75.0 63.1 94.7

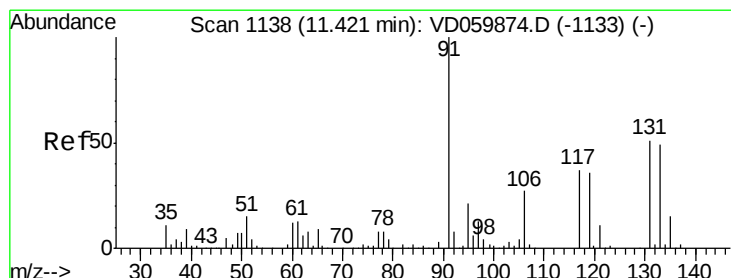
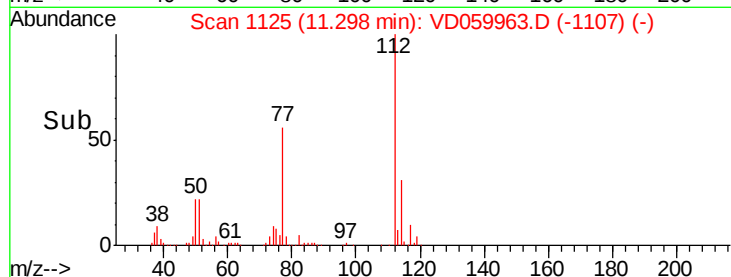
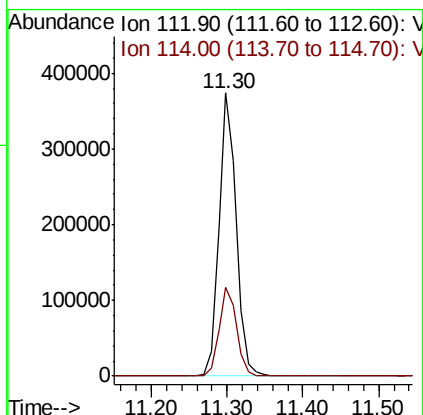
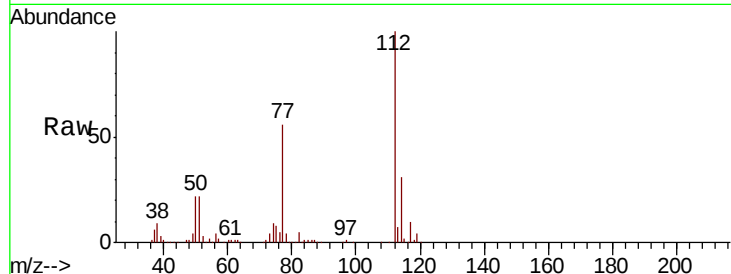




#65
Chlorobenzene
Concen: 22.06 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

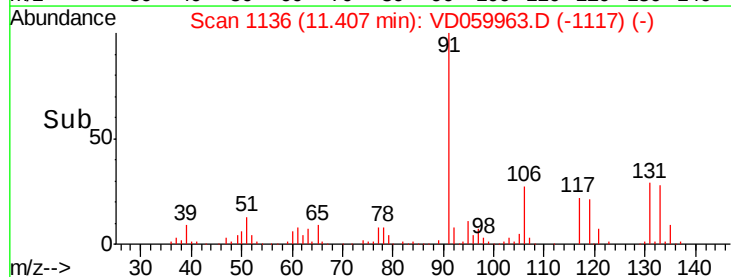
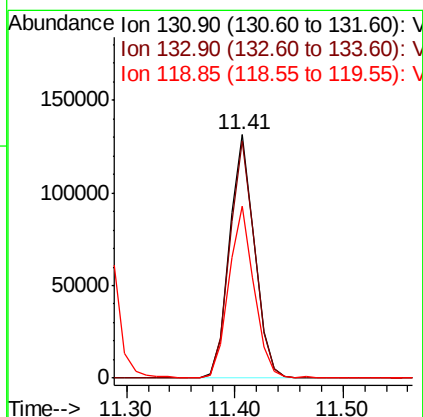
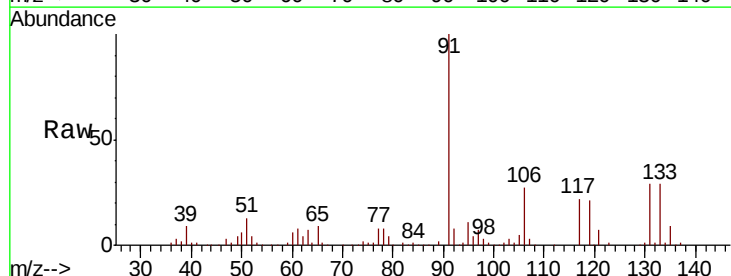
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:112 Resp: 595443
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.46 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:131 Resp: 211535
Ion Ratio Lower Upper
131 100
133 97.3 48.3 144.8
119 70.7 35.4 106.3

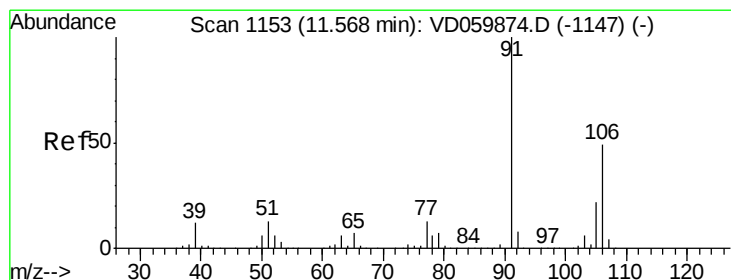
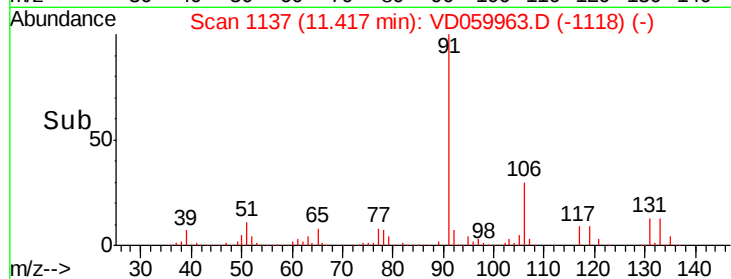
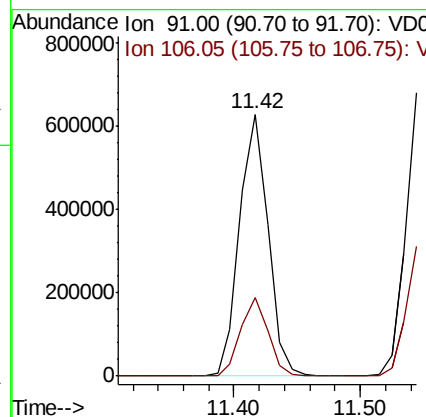
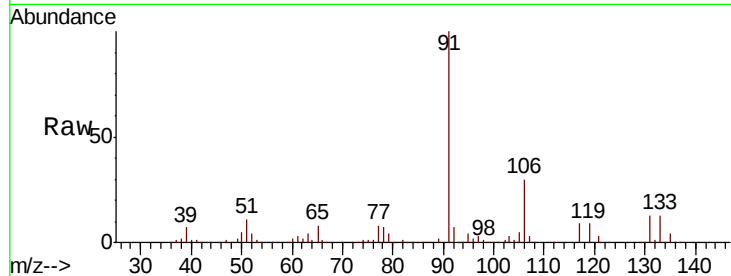




#67
Ethyl Benzene
Concen: 21.61 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

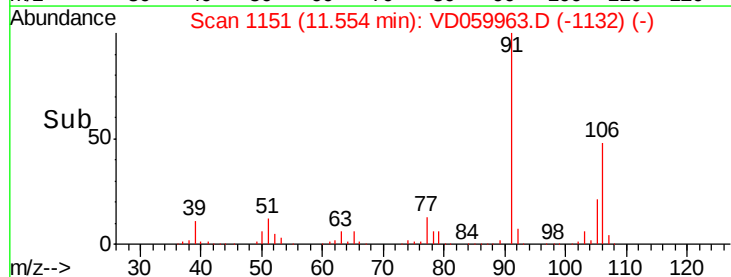
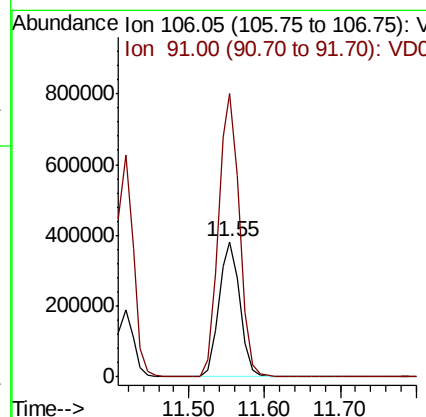
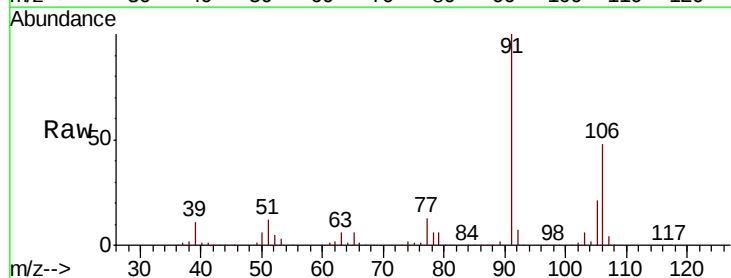
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

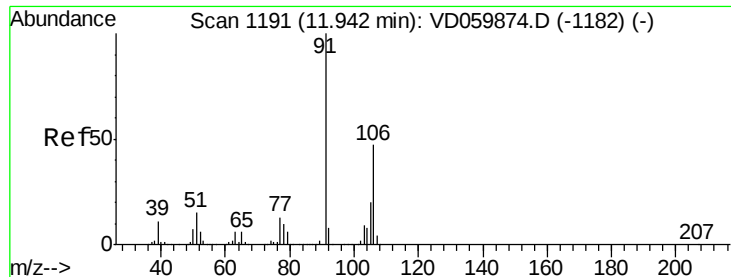
Tot Ion: 91 Resp: 981006
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8



#68
m/p-Xylenes
Concen: 44.72 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 106 Resp: 739166
Ion Ratio Lower Upper
106 100
91 209.3 162.0 243.0

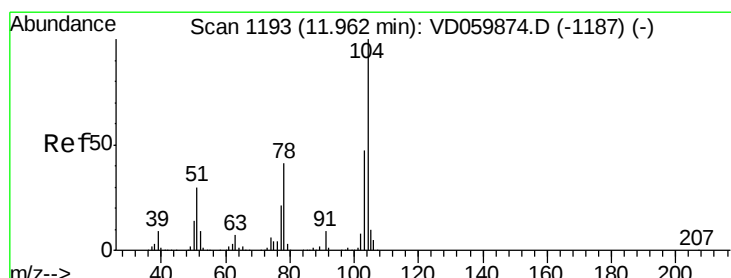
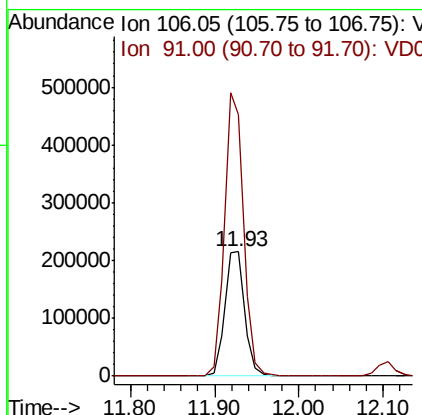
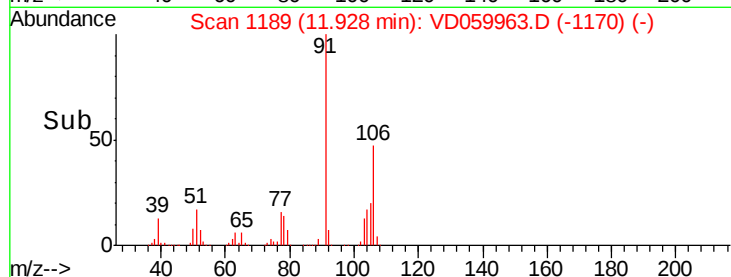
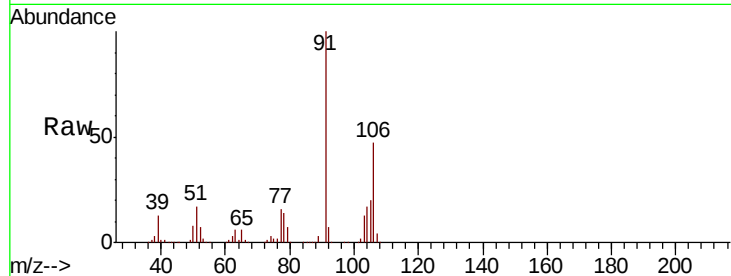




#69
o-Xylene
Concen: 21.70 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

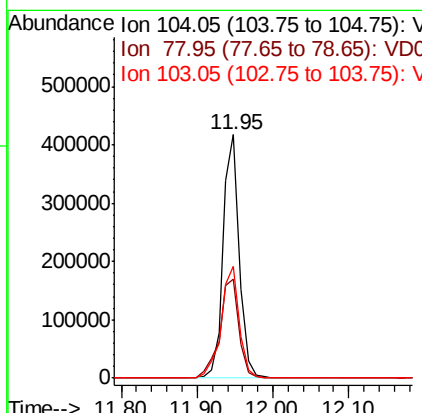
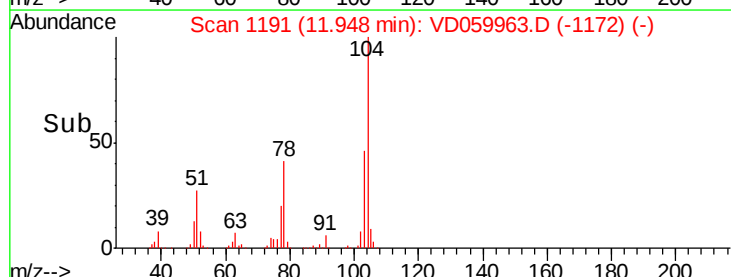
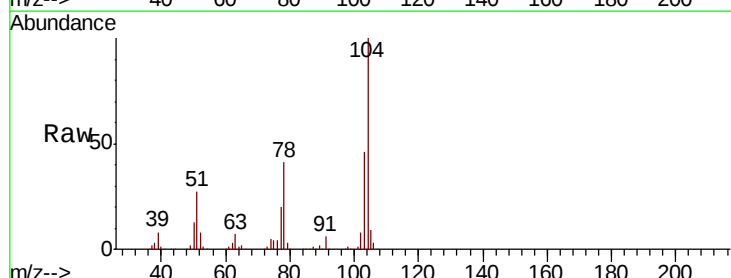
Instrument :
MSVOA_D
ClientSampleID :
VD0905SBSD01

Tot Ion:106 Resp: 350786
Ion Ratio Lower Upper
106 100
91 211.0 107.3 322.0



#70
Styrene
Concen: 22.07 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:104 Resp: 617729
Ion Ratio Lower Upper
104 100
78 40.9 32.6 49.0
103 45.8 37.7 56.5

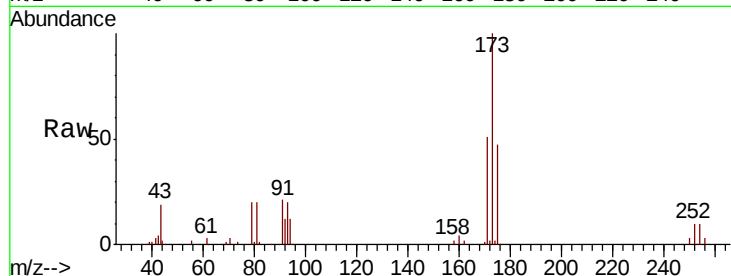




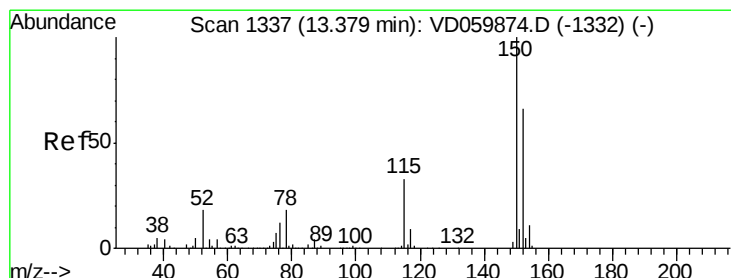
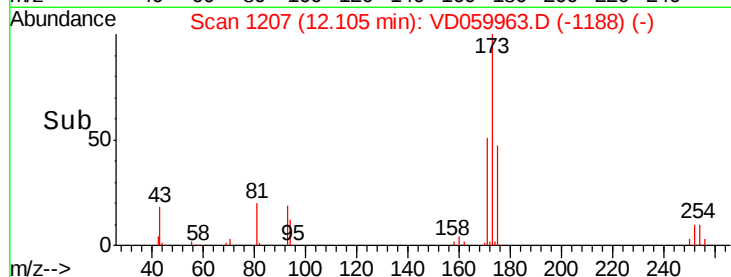
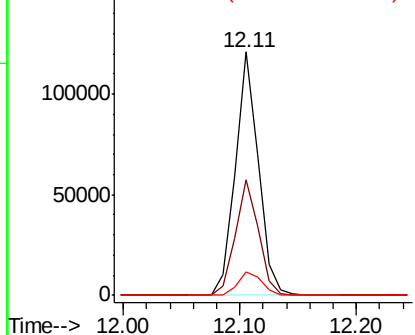
#71
Bromoform
Concen: 19.34 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:173 Resp: 164975
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 9.7 7.0 10.6

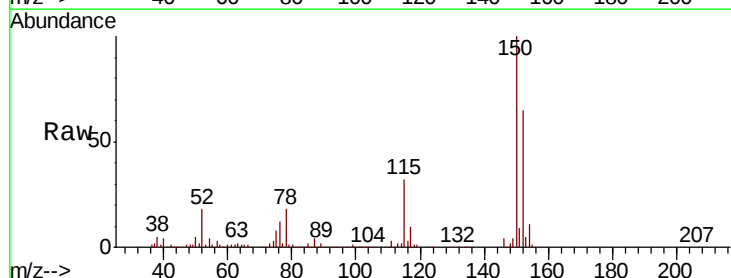


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

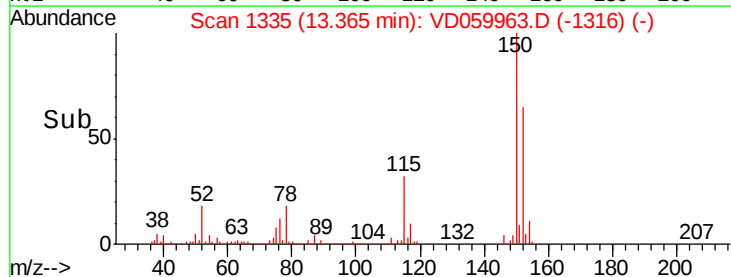
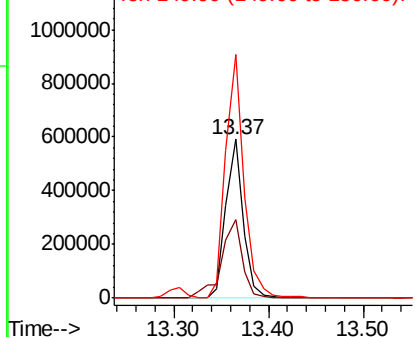


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:152 Resp: 754938
Ion Ratio Lower Upper
152 100
115 49.3 25.7 77.0
150 153.4 0.0 310.2



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





#73

Isopropylbenzene

Concen: 21.16 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

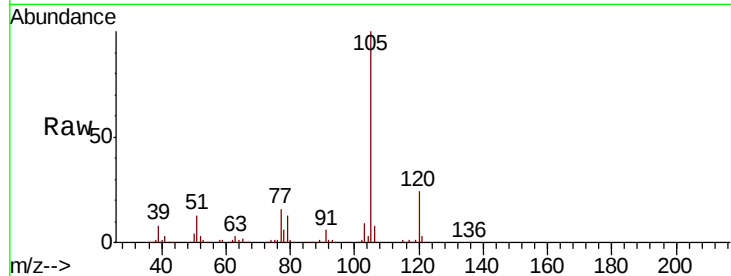
VD0905SBSD01

Tot Ion:105 Resp: 1019600

Ion Ratio Lower Upper

105 100

120 23.8 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

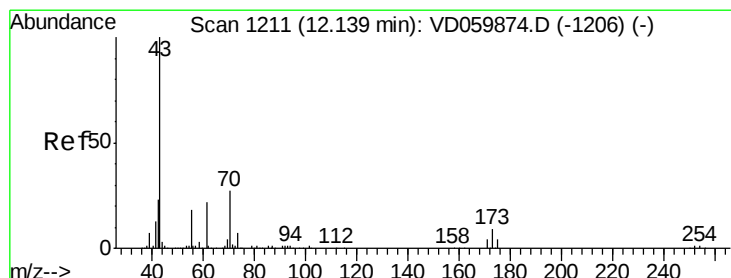
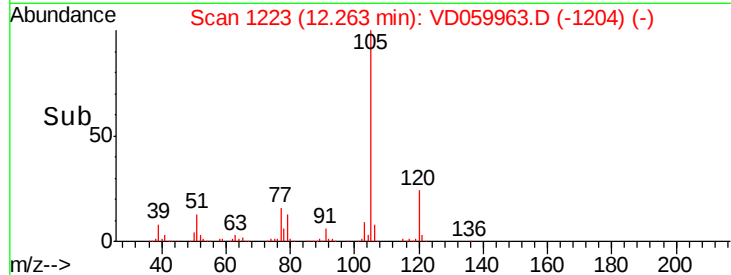
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.37 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Tgt Ion: 43 Resp: 408701

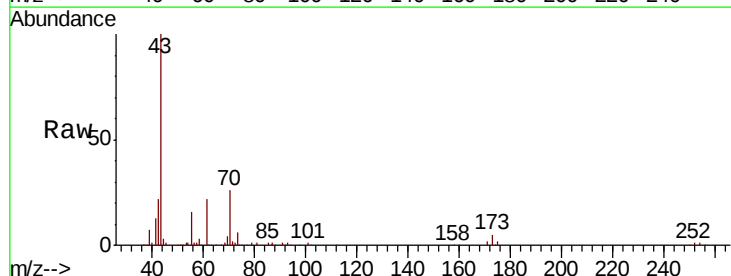
Ion Ratio Lower Upper

43 100

70 26.0 21.4 32.2

55 16.4 14.1 21.1

61 21.8 17.8 26.8



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

500000

400000

300000

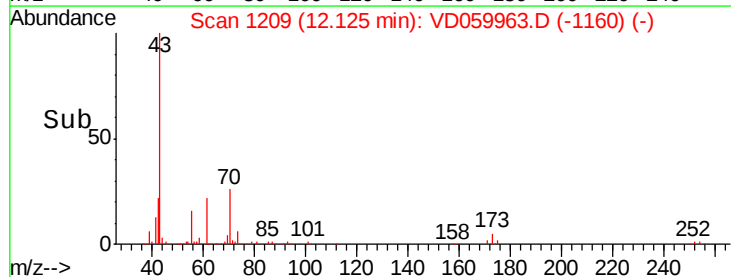
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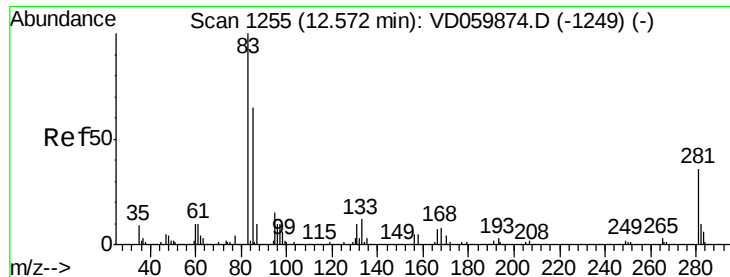
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.39 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

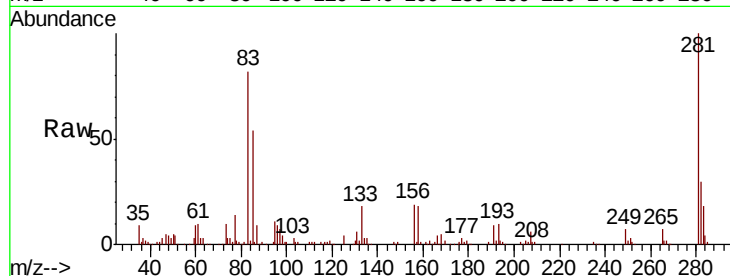
Tot Ion: 83 Resp: 227292

Ion Ratio Lower Upper

83 100

131 7.9 4.8 14.4

85 66.4 32.6 97.8



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

200000

150000

100000

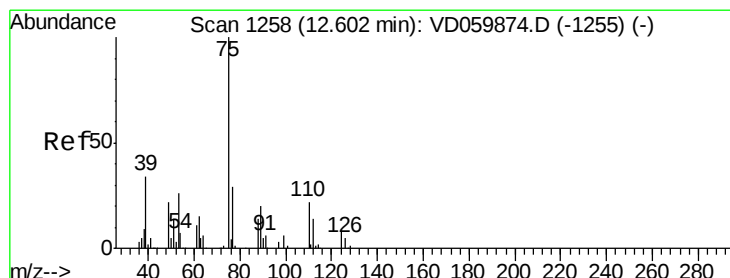
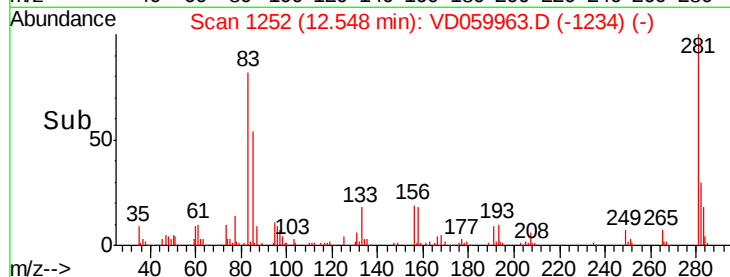
50000

0

12.55

12.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.65 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059963.D

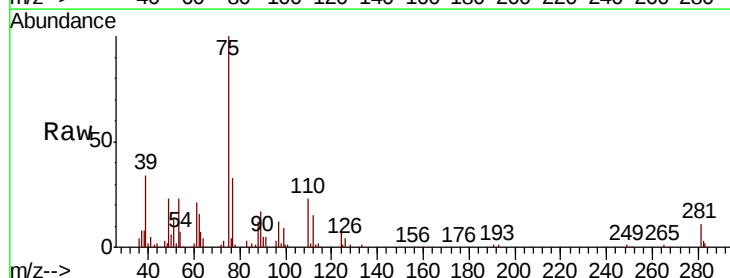
Acq: 5 Sep 2018 12:20

Tgt Ion: 75 Resp: 242340

Ion Ratio Lower Upper

75 100

77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

250000

200000

150000

100000

50000

0

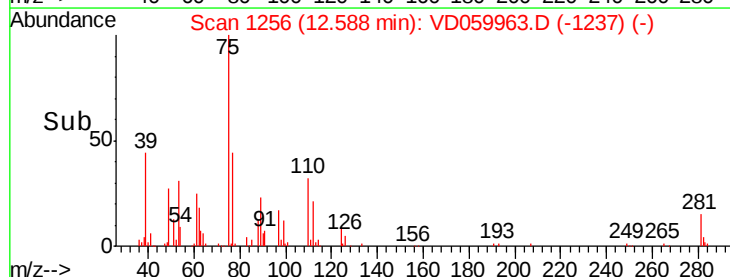
12.55

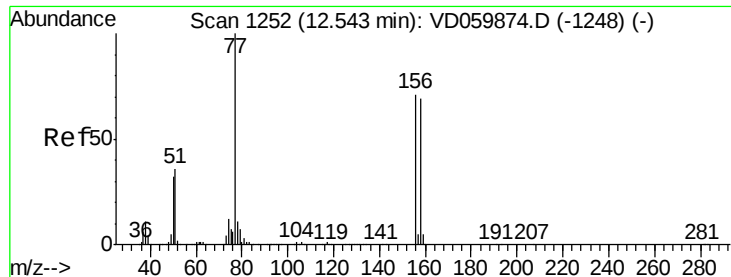
12.60

12.65

12.70

Time-->





#77

Bromobenzene

Concen: 20.89 ug/l

RT: 12.53 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

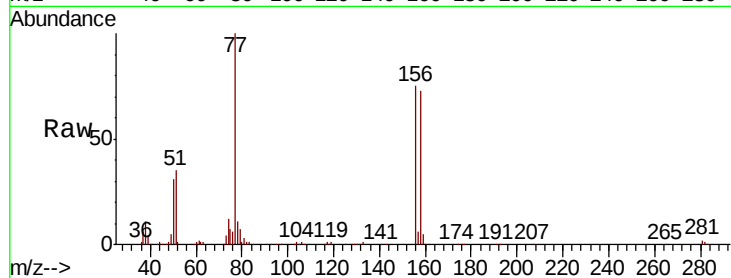
Tot Ion:156 Resp: 279178

Ion Ratio Lower Upper

156 100

77 133.0 70.2 210.4

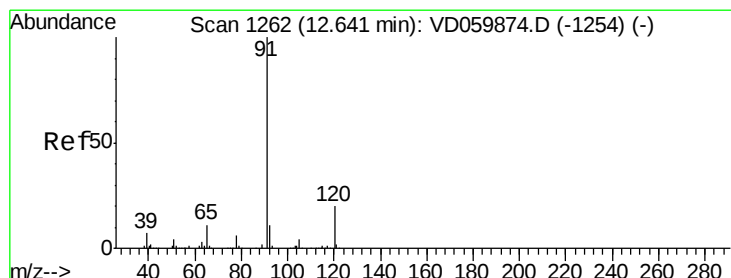
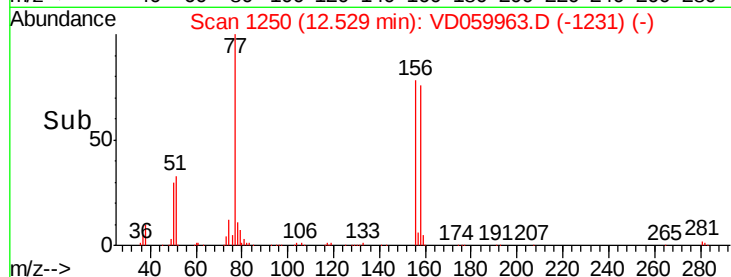
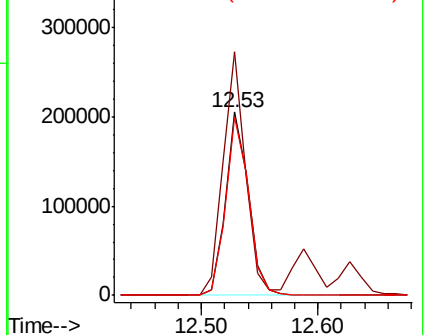
158 97.3 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.42 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059963.D

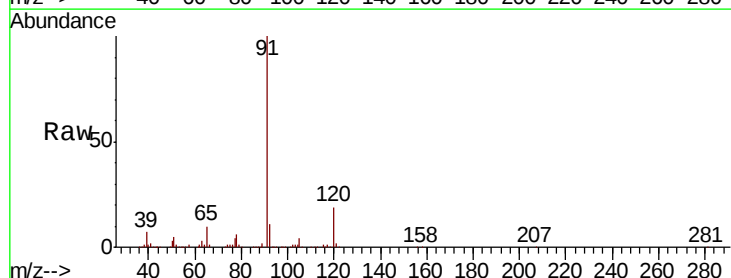
Acq: 5 Sep 2018 12:20

Tgt Ion: 91 Resp: 1307127

Ion Ratio Lower Upper

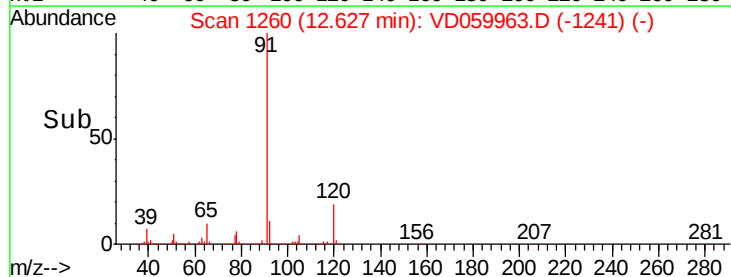
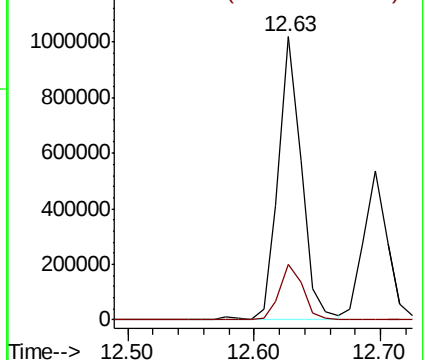
91 100

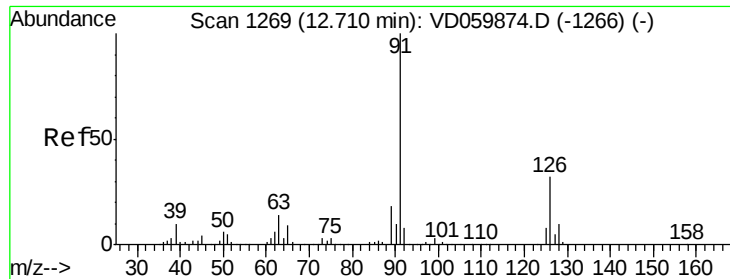
120 19.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

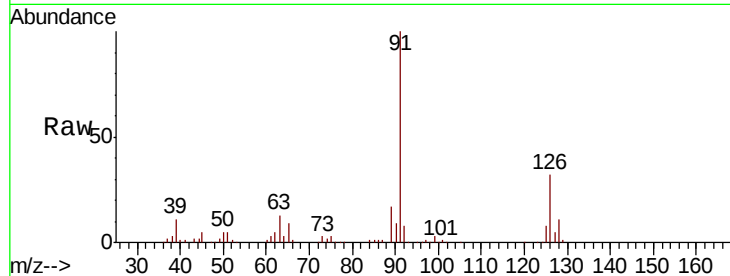




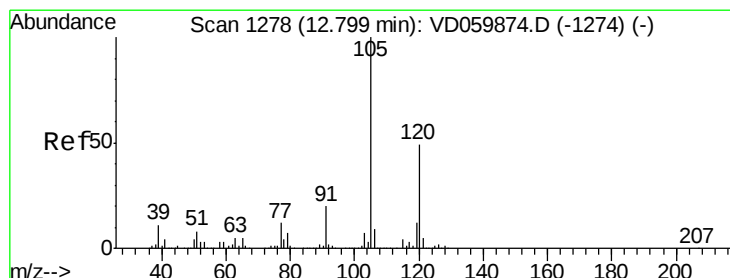
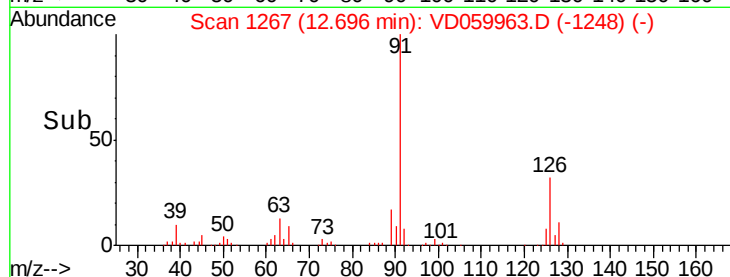
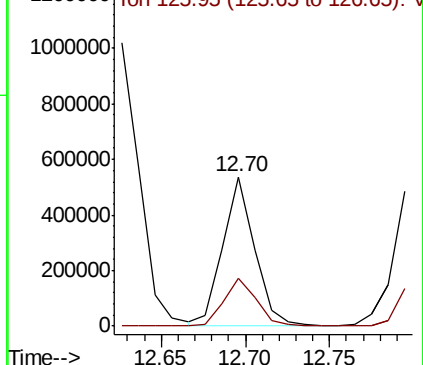
#79
 2-Chlorotoluene
 Concen: 20.58 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion: 91 Resp: 710148
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.1 48.2

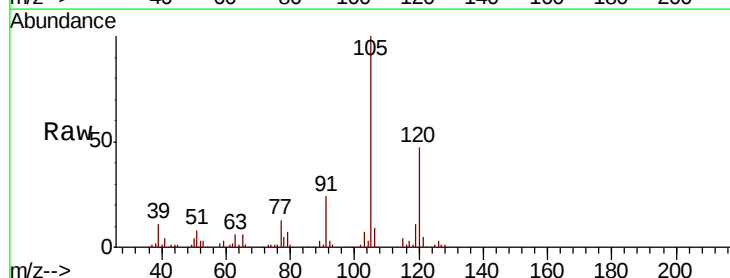


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

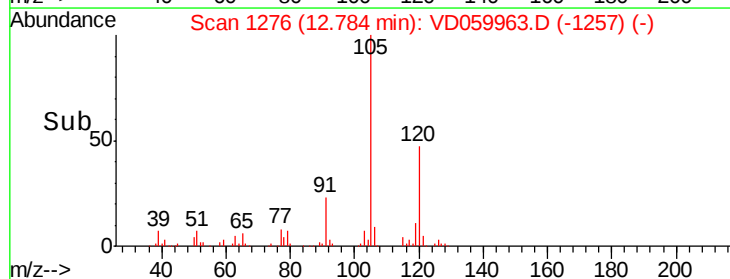
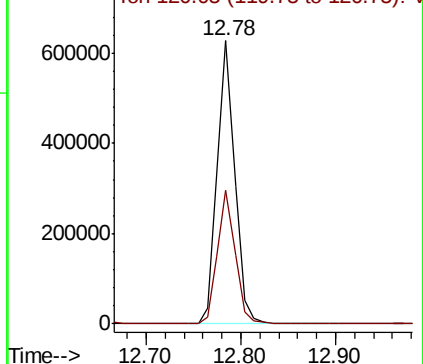


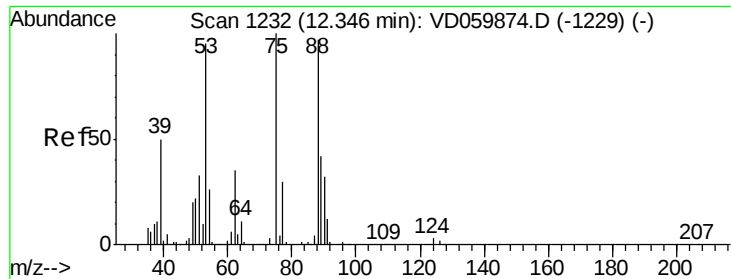
#80
 1,3,5-Trimethylbenzene
 Concen: 21.10 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion: 105 Resp: 808243
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.5 73.5



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

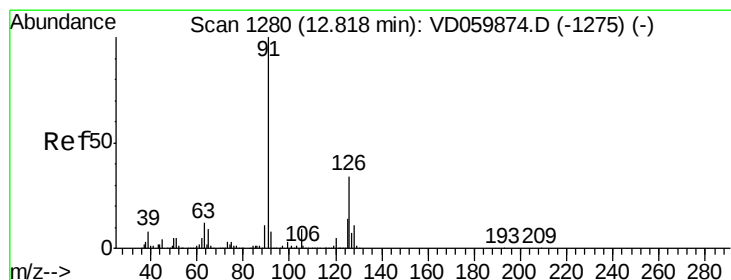
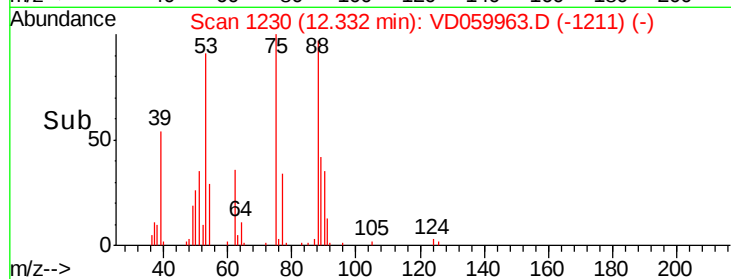
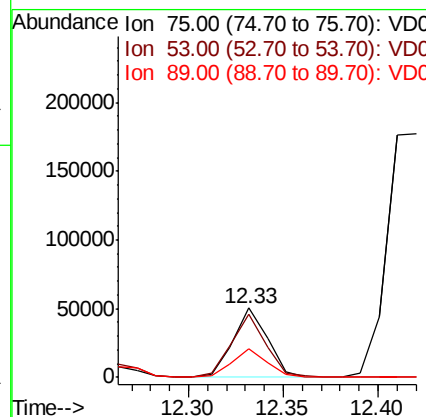
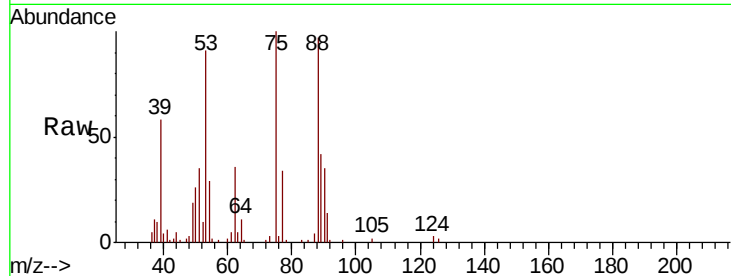




#81
trans-1,4-Dichloro-2-butene
Concen: 17.46 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

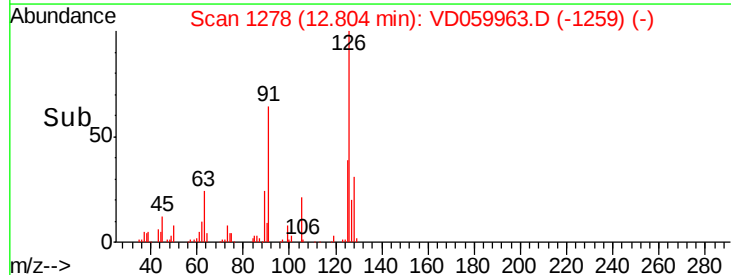
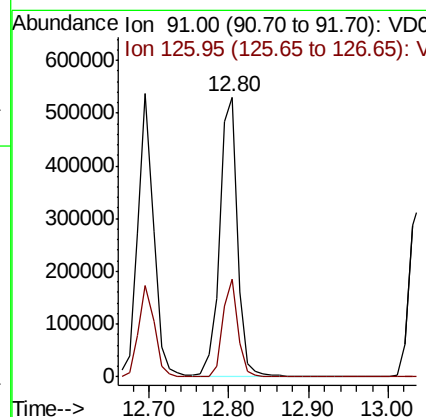
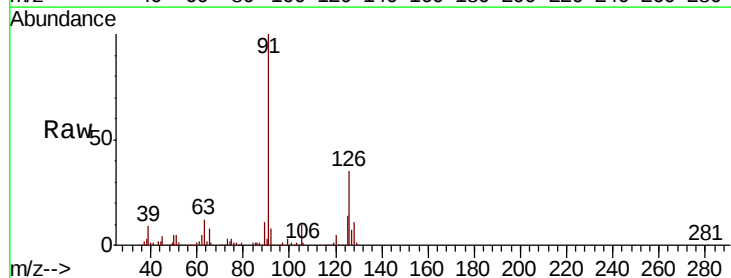
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

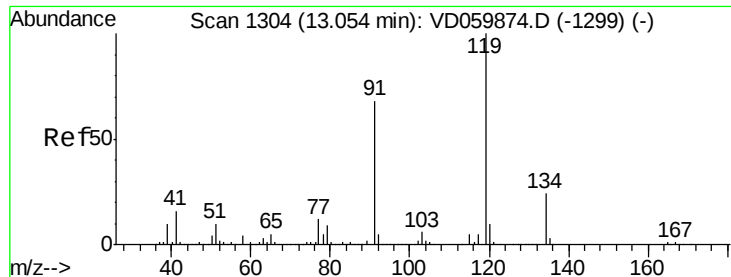
Tot Ion: 75 Resp: 63723
Ion Ratio Lower Upper
75 100
53 91.5 75.8 113.6
89 41.9 33.6 50.4



#82
4-Chlorotoluene
Concen: 21.23 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 91 Resp: 835576
Ion Ratio Lower Upper
91 100
126 35.1 17.1 51.2

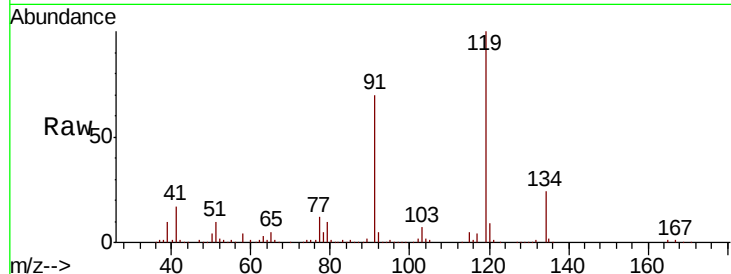




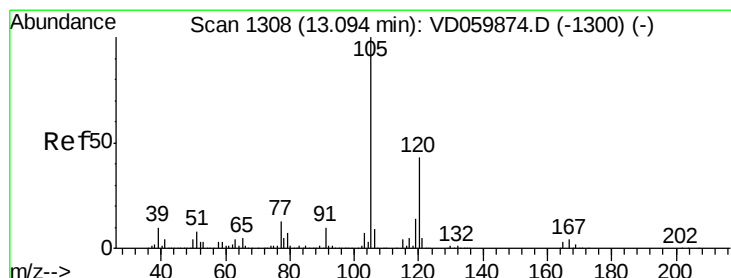
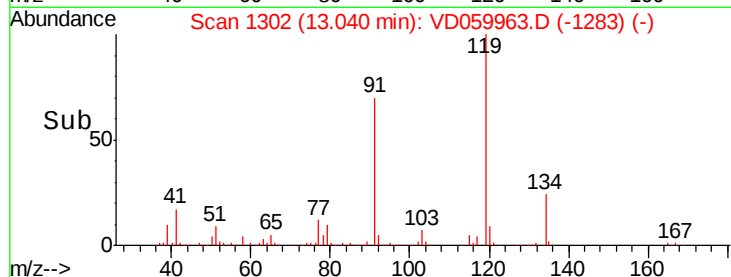
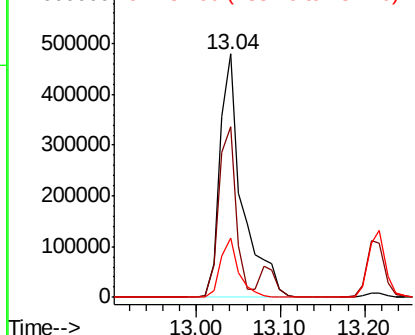
#83
tert-Butylbenzene
Concen: 20.35 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:119 Resp: 888350
Ion Ratio Lower Upper
119 100
91 70.1 34.3 102.9
134 24.2 11.9 35.9

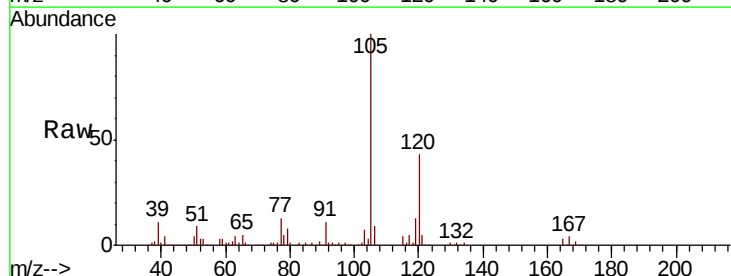


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

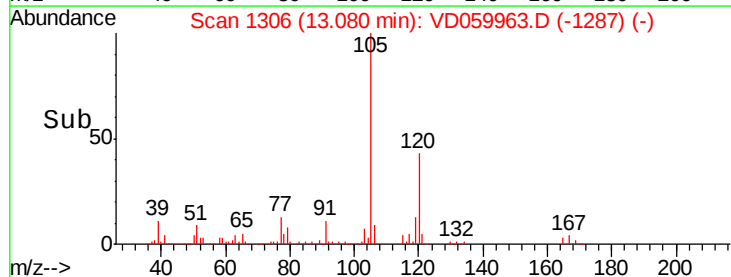
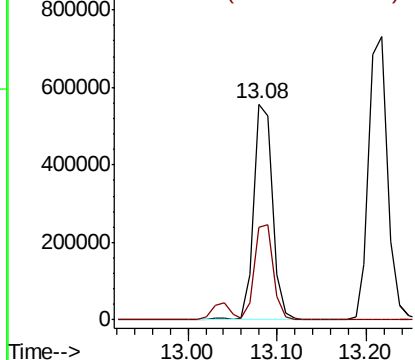


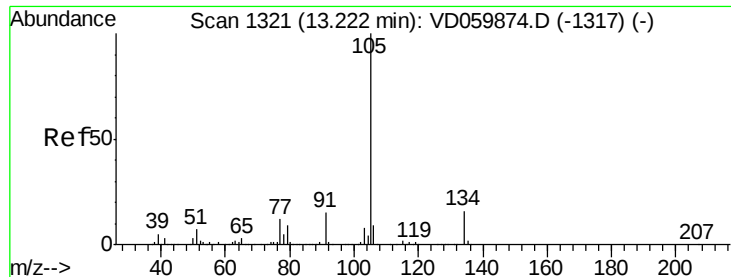
#84
1,2,4-Trimethylbenzene
Concen: 20.13 ug/l
RT: 13.08 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:105 Resp: 803790
Ion Ratio Lower Upper
105 100
120 42.8 21.8 65.3



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

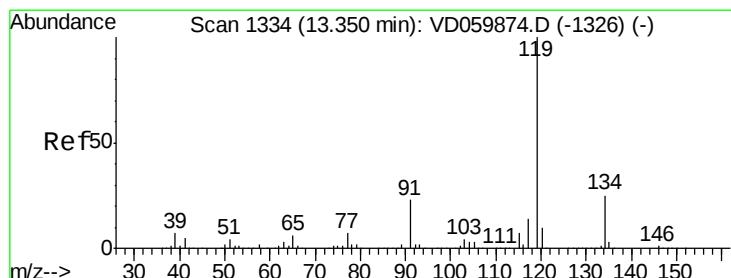
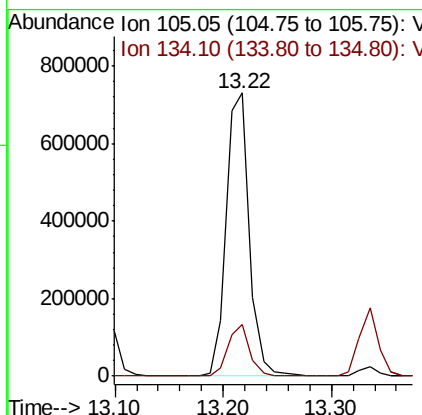
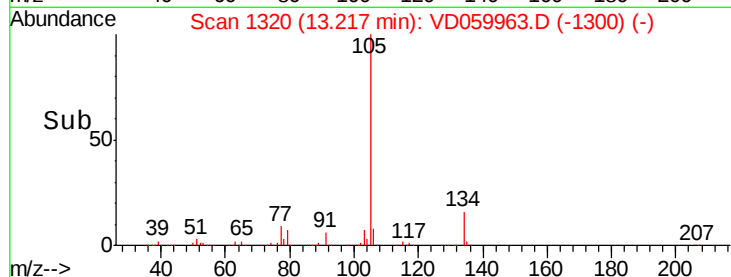
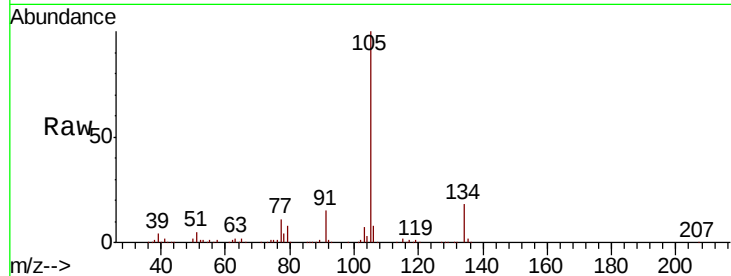




#85
 sec-Butylbenzene
 Concen: 20.97 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

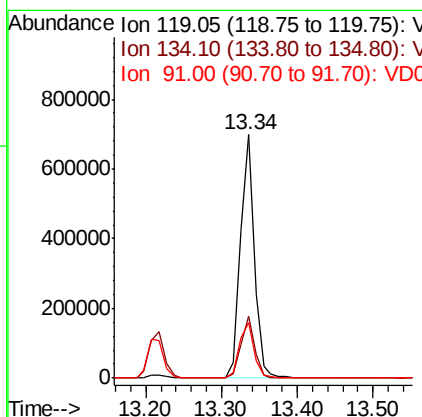
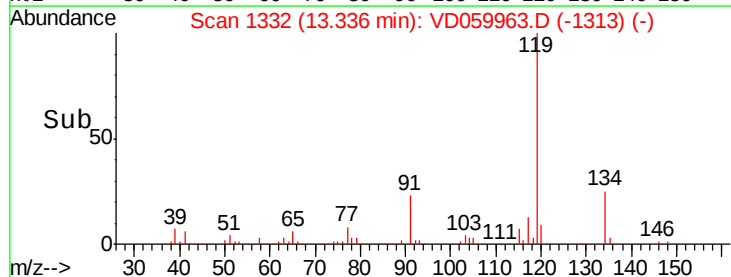
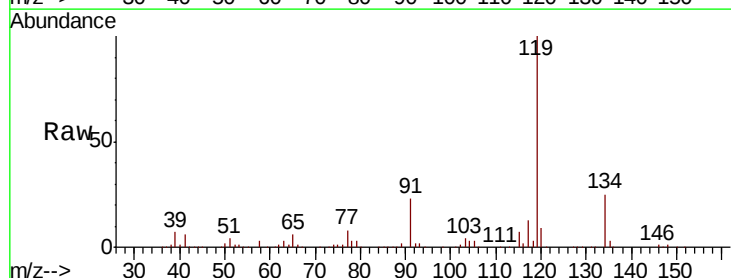
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

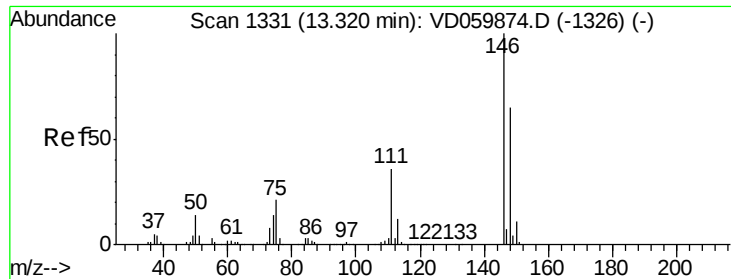
Tot Ion:105 Resp: 1076497
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.82 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion:119 Resp: 869123
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 22.9 11.7 35.0

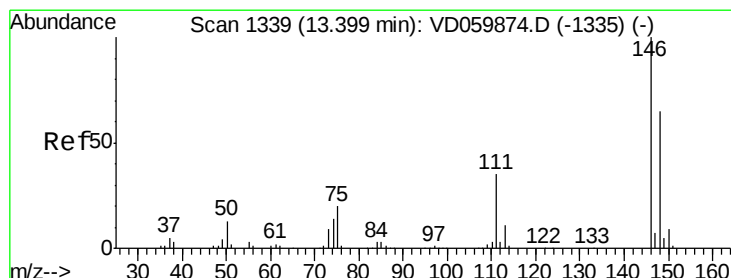
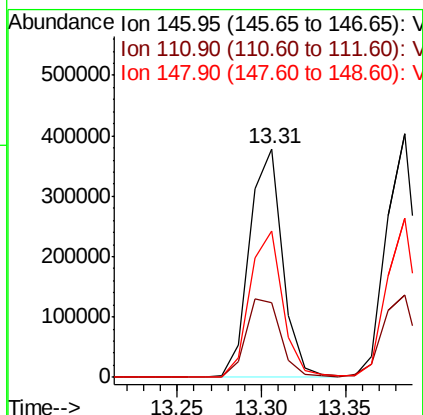
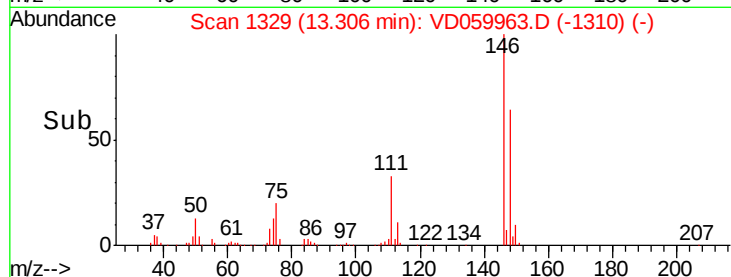
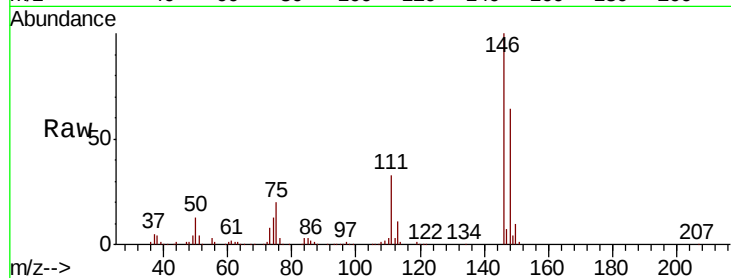




#87
 1,3-Dichlorobenzene
 Concen: 21.61 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

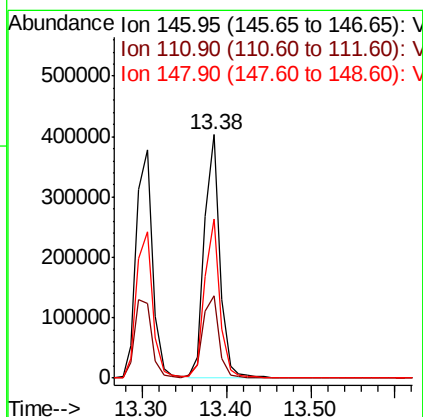
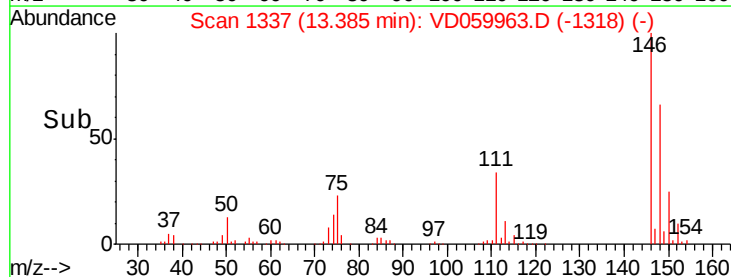
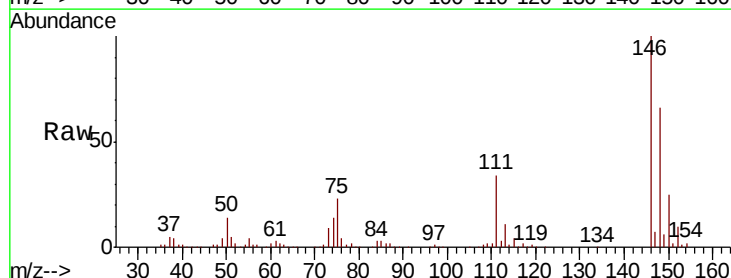
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

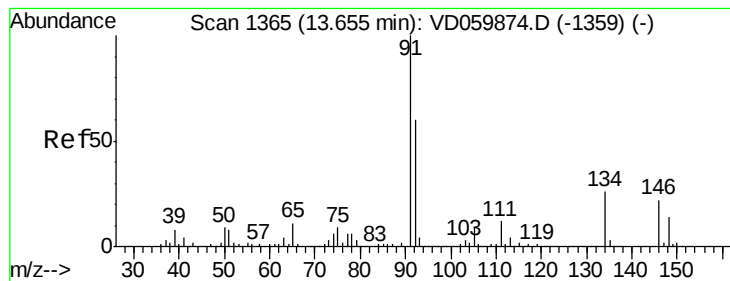
Tot Ion:146 Resp: 515556
 Ion Ratio Lower Upper
 146 100
 111 32.7 17.9 53.7
 148 64.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.75 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion:146 Resp: 517689
 Ion Ratio Lower Upper
 146 100
 111 33.8 17.5 52.6
 148 65.6 32.5 97.5

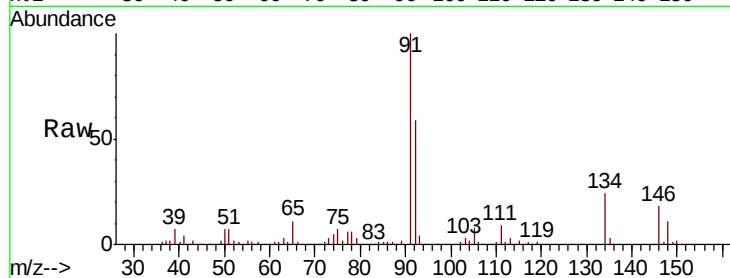




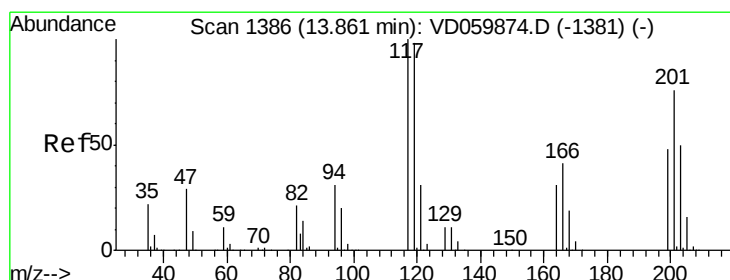
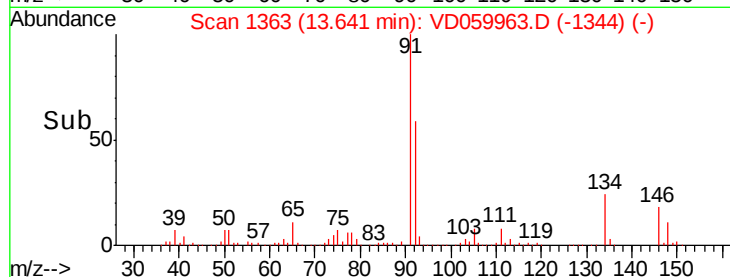
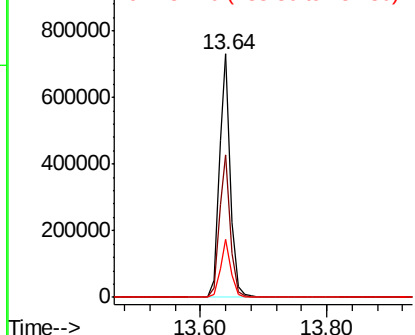
#89
n-Butylbenzene
Concen: 20.15 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 91 Resp: 909827
Ion Ratio Lower Upper
91 100
92 58.7 30.0 90.1
134 23.7 12.8 38.4

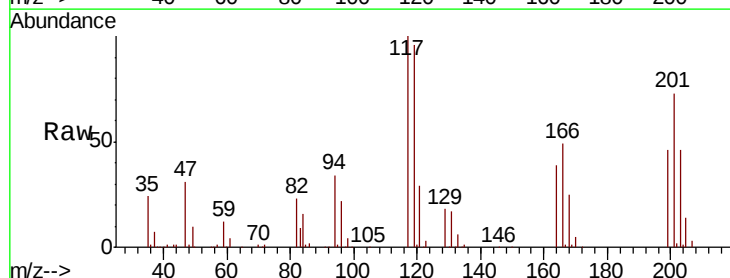


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

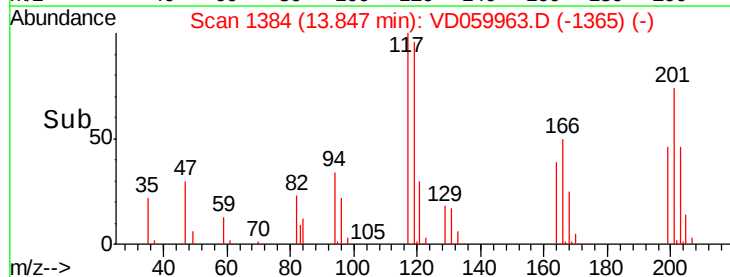
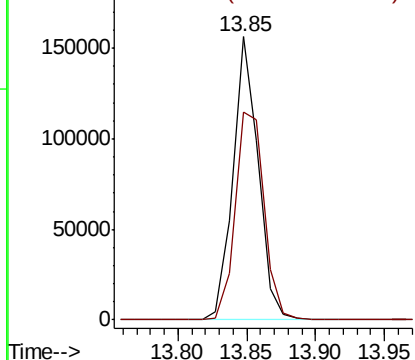


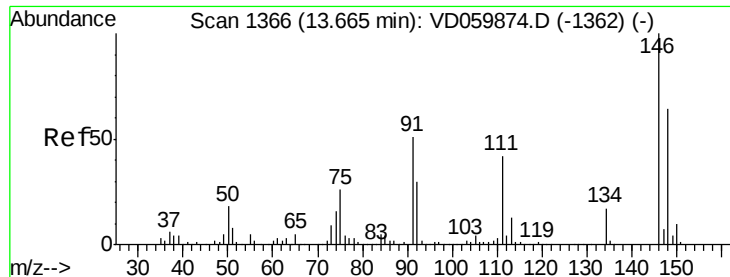
#90
Hexachloroethane
Concen: 17.78 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion: 117 Resp: 199297
Ion Ratio Lower Upper
117 100
201 73.5 38.1 114.5



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





#91

1,2-Dichlorobenzene

Concen: 21.82 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

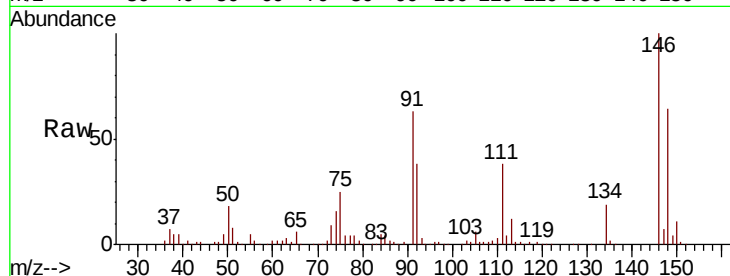
Tot Ion:146 Resp: 442530

Ion Ratio Lower Upper

146 100

111 38.5 21.1 63.1

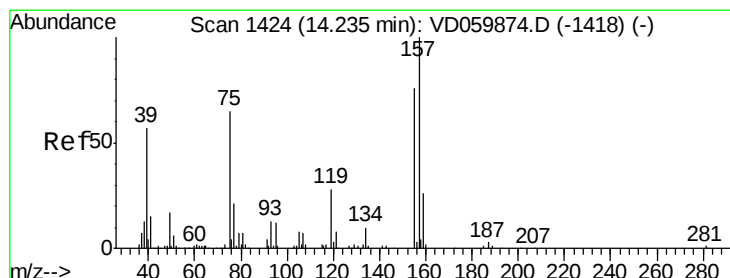
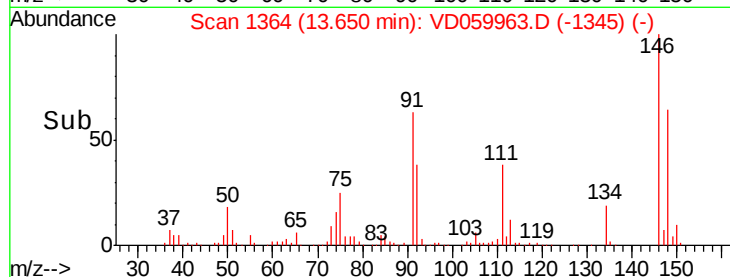
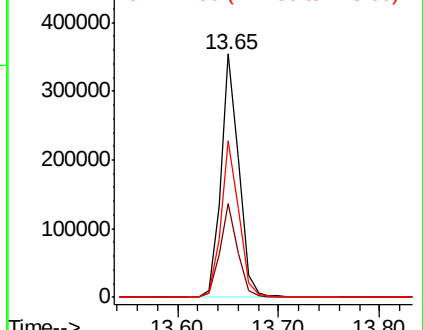
148 64.3 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.13 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059963.D

Acq: 5 Sep 2018 12:20

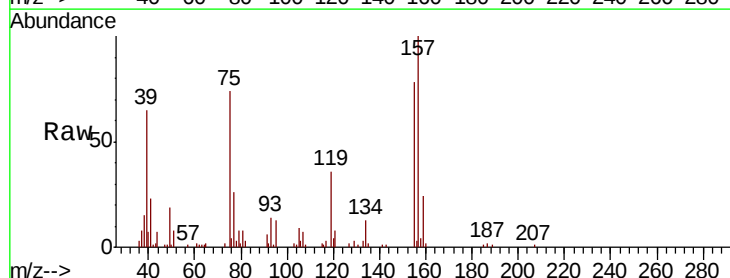
Tgt Ion: 75 Resp: 32789

Ion Ratio Lower Upper

75 100

155 104.8 58.2 174.6

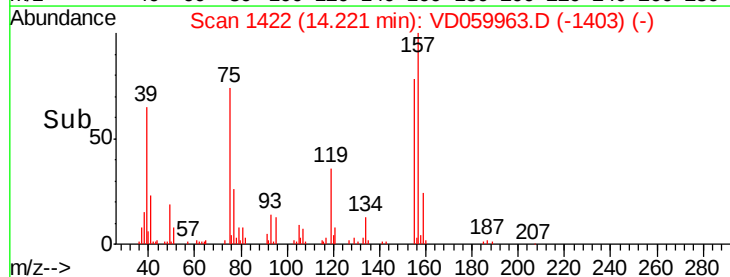
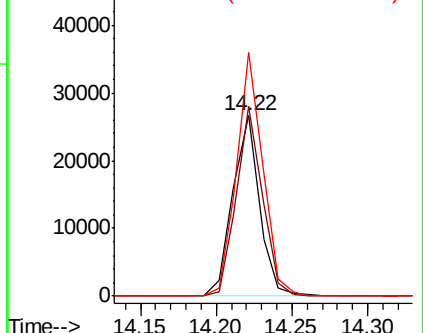
157 134.7 76.8 230.4

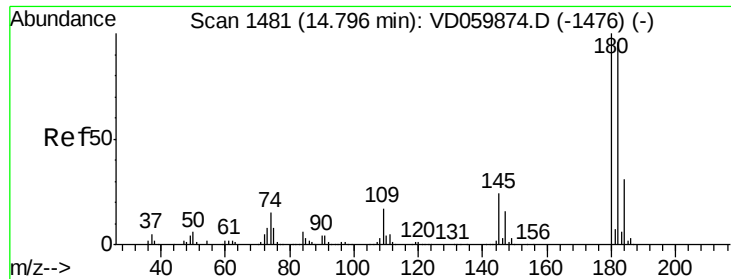


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

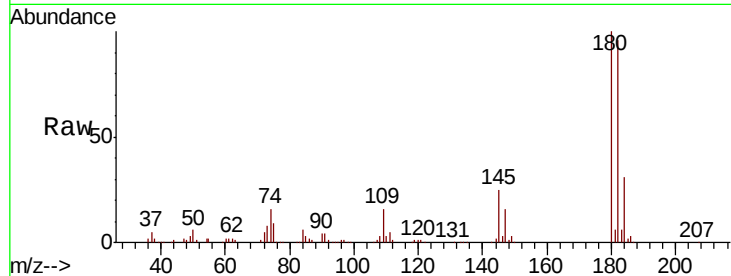




#93
 1,2,4-Trichlorobenzene
 Concen: 20.70 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	24.9	12.2	36.4

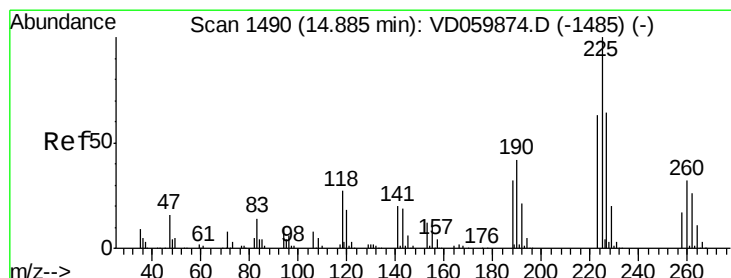
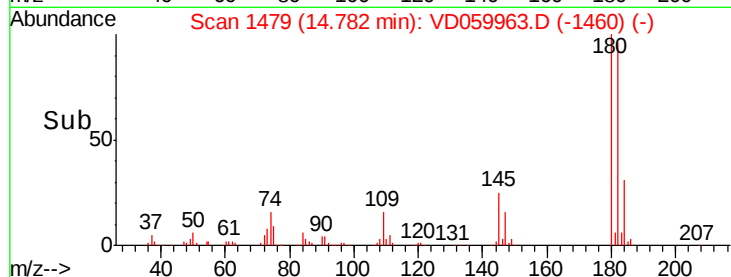
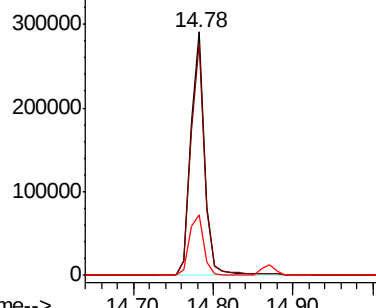


Abundance

Ion 179.85 (179.55 to 180.55): V

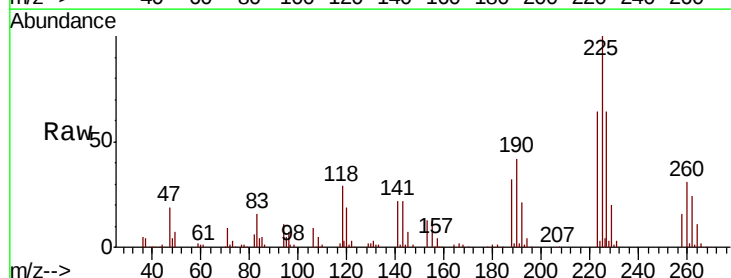
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 20.55 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059963.D
 Acq: 5 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	63.9	32.0	96.0

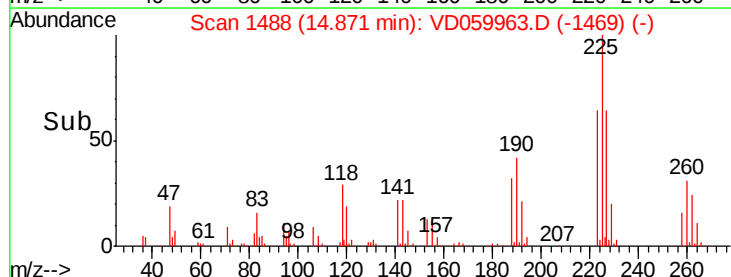
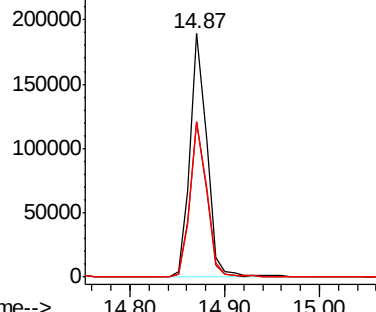


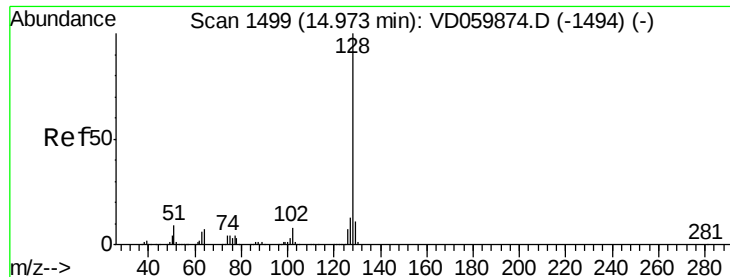
Abundance

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

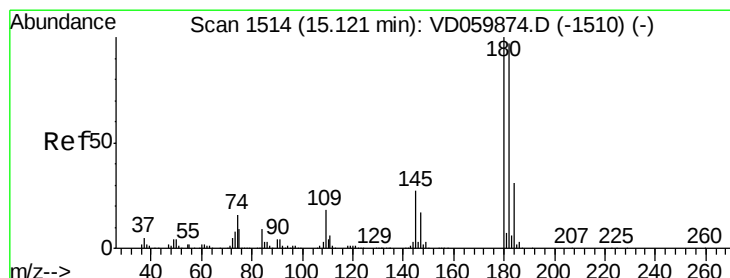
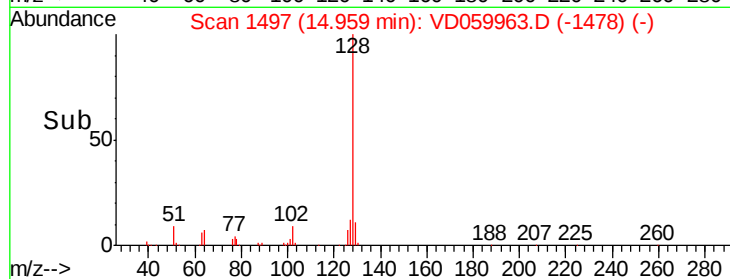
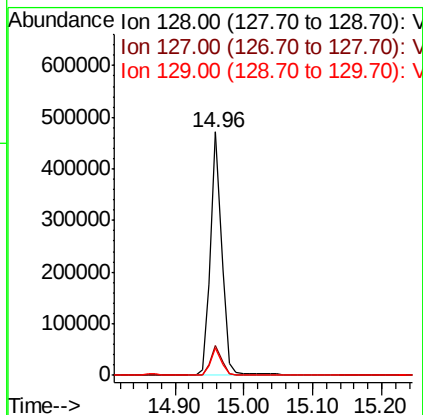
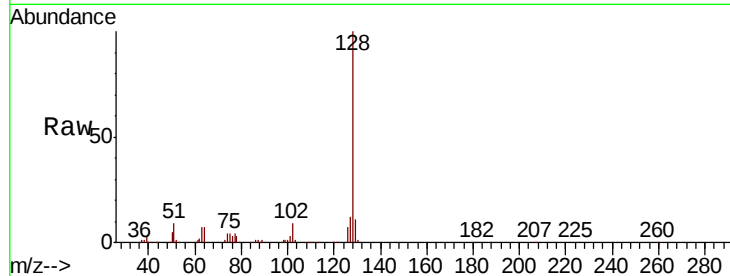




#95
Naphthalene
Concen: 20.49 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:128 Resp: 543662
Ion Ratio Lower Upper
128 100
127 12.3 10.0 15.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.24 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059963.D
Acq: 5 Sep 2018 12:20

Tgt Ion:180 Resp: 300582
Ion Ratio Lower Upper
180 100
182 96.6 48.6 145.8
145 26.9 13.6 40.8

