

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059873.D
 Acq On : 22 Aug 2018 13:40
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

Quant Time: Aug 23 01:16:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1183711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1663855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1431469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	745032	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	188032	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
35) Dibromofluoromethane	6.33	113	244962	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	
50) Toluene-d8	9.47	98	656655	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
62) 4-Bromofluorobenzene	12.43	95	280352	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	180015	17.441	ug/l 99
3) Chloromethane	1.75	50	175021	18.364	ug/l 93
4) Vinyl Chloride	1.84	62	133881	17.876	ug/l 98
5) Bromomethane	2.12	94	12312	13.988	ug/l 93
6) Chloroethane	2.23	64	29834	15.687	ug/l 94
7) Trichlorofluoromethane	2.49	101	150823	18.569	ug/l 99
8) Diethyl Ether	2.82	74	34250	18.429	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	100875	19.517	ug/l 99
10) Methyl Iodide	3.24	142	86680	17.743	ug/l 99
11) Tert butyl alcohol	3.98	59	78966	101.860	ug/l 97
12) 1,1-Dichloroethene	3.06	96	75593	19.208	ug/l 92
13) Acrolein	2.98	56	23665	76.961	ug/l 90
14) Allyl chloride	3.52	41	175589	18.947	ug/l 98
15) Acrylonitrile	4.08	53	270846	95.736	ug/l 96
16) Acetone	3.16	43	147004	85.234	ug/l 98
17) Carbon Disulfide	3.31	76	197918	16.171	ug/l 99
18) Methyl Acetate	3.55	43	63746	16.760	ug/l 100
19) Methyl tert-butyl Ether	4.12	73	454297	19.288	ug/l 99
20) Methylene Chloride	3.71	84	266896	18.861	ug/l 95
21) trans-1,2-Dichloroethene	4.09	96	204646	18.361	ug/l 94
22) Diisopropyl ether	4.86	45	924307	19.601	ug/l 97
23) Vinyl Acetate	4.80	43	2720162	103.509	ug/l 99
24) 1,1-Dichloroethane	4.75	63	395199	19.433	ug/l 99
25) 2-Butanone	5.63	43	444138	86.226	ug/l 97
26) 2,2-Dichloropropane	5.59	77	341454	20.553	ug/l 98
27) cis-1,2-Dichloroethene	5.60	96	235609	19.044	ug/l 97
28) Bromochloromethane	5.93	49	199558	20.429	ug/l 100
29) Tetrahydrofuran	5.96	42	245340	95.455	ug/l 99
30) Chloroform	6.11	83	406737	19.591	ug/l 99
31) Cyclohexane	6.37	56	325195	17.506	ug/l 97
32) 1,1,1-Trichloroethane	6.30	97	340944	19.362	ug/l 98
36) 1,1-Dichloropropene	6.52	75	276193	18.717	ug/l 97
37) Ethyl Acetate	5.70	43	228757	19.319	ug/l 98
38) Carbon Tetrachloride	6.50	117	285240	19.071	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	295943	18.170	ug/l	98
40) Benzene	6.80	78	741269	19.168	ug/l	100
41) Methacrylonitrile	5.96	41	256766	24.162	ug/l #	75
42) 1,2-Dichloroethane	6.90	62	241639	19.157	ug/l	100
43) Isopropyl Acetate	8.35	43	291252	18.719	ug/l #	96
44) Trichloroethene	7.74	130	205762	18.114	ug/l	91
45) 1,2-Dichloropropane	8.11	63	210100	19.189	ug/l	97
46) Dibromomethane	8.23	93	131216	18.700	ug/l	96
47) Bromodichloromethane	8.50	83	306001	19.292	ug/l	100
48) Methyl methacrylate	8.26	41	165598	18.907	ug/l	96
49) 1,4-Dioxane	8.24	88	29697	371.831	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	925078	85.545	ug/l	96
52) Toluene	9.55	92	463140	18.614	ug/l	97
53) t-1,3-Dichloropropene	9.93	75	281016	19.090	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	330158	19.270	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	169016	18.648	ug/l	98
56) Ethyl methacrylate	10.04	69	199434	18.496	ug/l	96
57) 1,3-Dichloropropane	10.39	76	255444	19.245	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.93	63	563533	109.672	ug/l	94
59) 2-Hexanone	10.50	43	697467	88.939	ug/l	98
60) Dibromochloromethane	10.65	129	225636	19.548	ug/l	99
61) 1,2-Dibromoethane	10.76	107	173625	18.576	ug/l	100
64) Tetrachloroethene	10.26	164	197852	18.088	ug/l	98
65) Chlorobenzene	11.32	112	537863	19.156	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	204343	20.107	ug/l	97
67) Ethyl Benzene	11.43	91	933827	20.351	ug/l	99
68) m/p-Xylenes	11.57	106	666043	40.217	ug/l	92
69) o-Xylene	11.94	106	324320	19.949	ug/l	91
70) Styrene	11.97	104	567357	20.091	ug/l	100
71) Bromoform	12.12	173	169203	18.760	ug/l	98
73) Isopropylbenzene	12.28	105	920028	19.583	ug/l	99
74) N-amyl acetate	12.14	43	390795	18.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	207677	19.230	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	224241	19.285	ug/l	98
77) Bromobenzene	12.55	156	249508	19.127	ug/l	94
78) n-propylbenzene	12.64	91	1152173	19.735	ug/l	100
79) 2-Chlorotoluene	12.71	91	655058	19.693	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	735672	20.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	62532	17.465	ug/l	98
82) 4-Chlorotoluene	12.81	91	760135	20.469	ug/l	89
83) tert-Butylbenzene	13.05	119	834318	19.656	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	760414	19.767	ug/l	99
85) sec-Butylbenzene	13.22	105	985450	19.817	ug/l	97
86) p-Isopropyltoluene	13.34	119	808705	20.103	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	454016	19.610	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	448706	19.431	ug/l	97
89) n-Butylbenzene	13.65	91	845071	21.382	ug/l	97
90) Hexachloroethane	13.86	117	206303	18.833	ug/l	88
91) 1,2-Dichlorobenzene	13.67	146	400889	20.771	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30294	17.781	ug/l	71

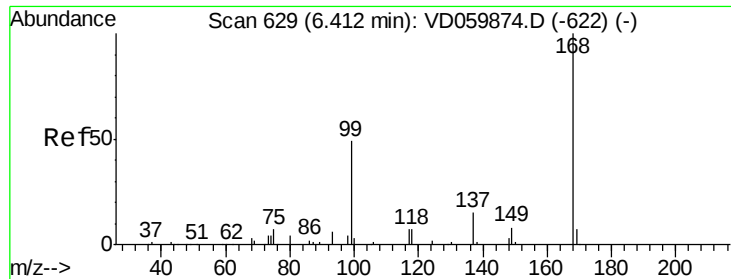
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	321944	19.428	ug/l	98
94) Hexachlorobutadiene	14.89	225	212240	19.308	ug/l	99
95) Naphthalene	14.98	128	490088	18.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	276808	19.048	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

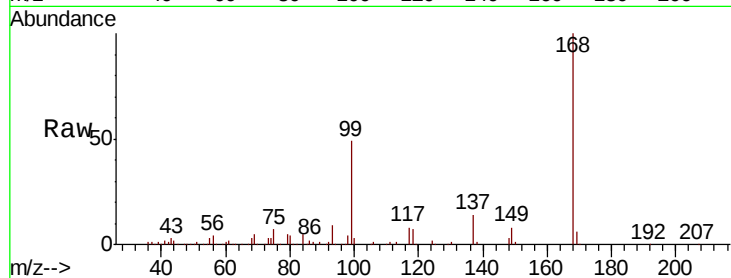
VSTDICCO

Tgt Ion:168 Resp: 1183711

Ion Ratio Lower Upper

168 100

99 49.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

400000

300000

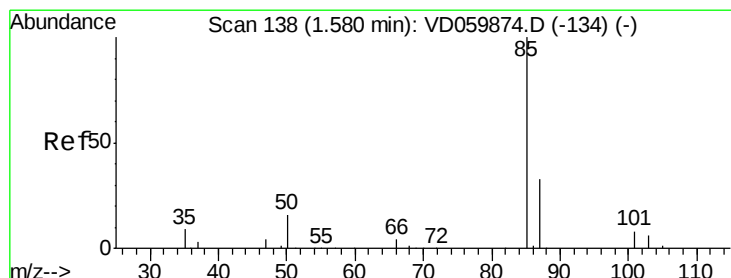
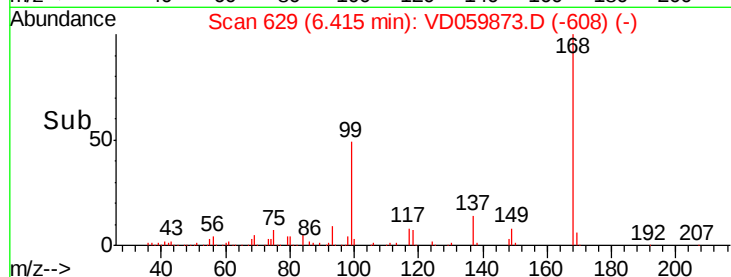
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.441 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059873.D

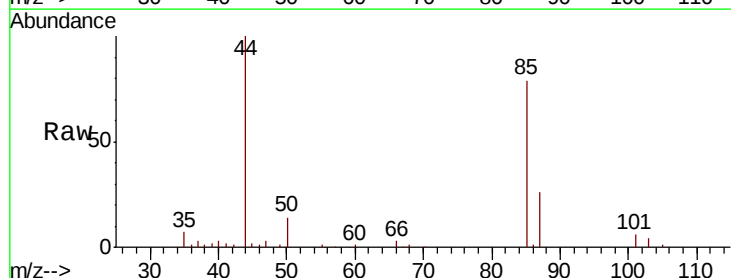
Acq: 22 Aug 2018 13:40

Tgt Ion: 85 Resp: 180015

Ion Ratio Lower Upper

85 100

87 33.0 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

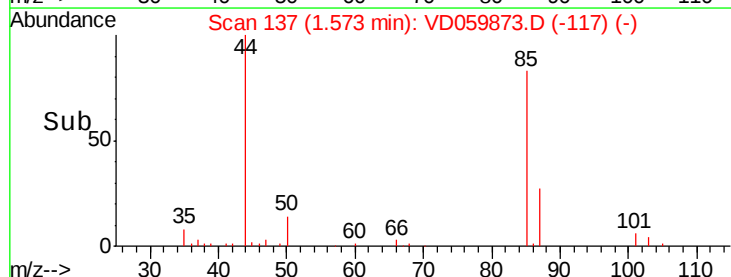
40000

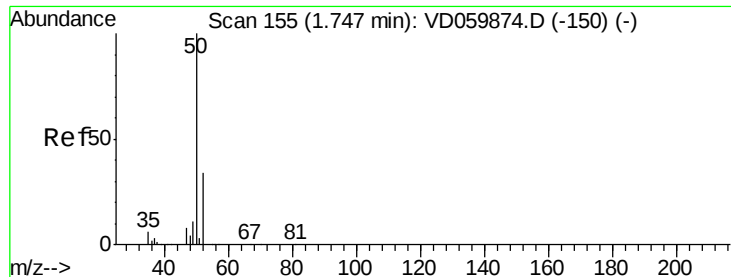
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.364 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

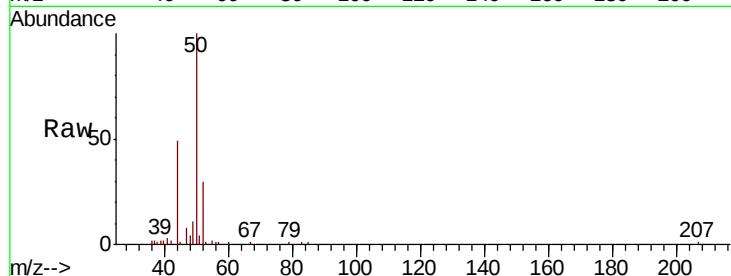
VSTDICCO

Tgt Ion: 50 Resp: 175021

Ion Ratio Lower Upper

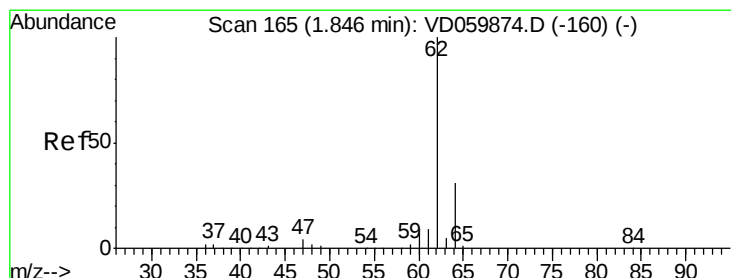
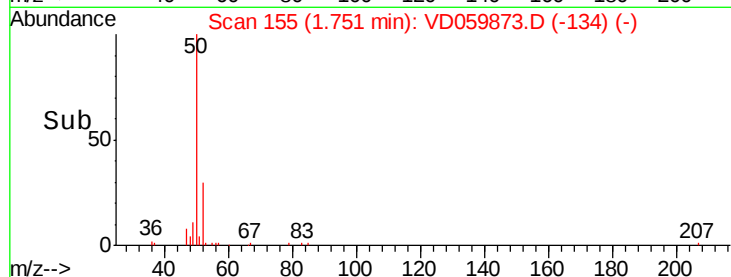
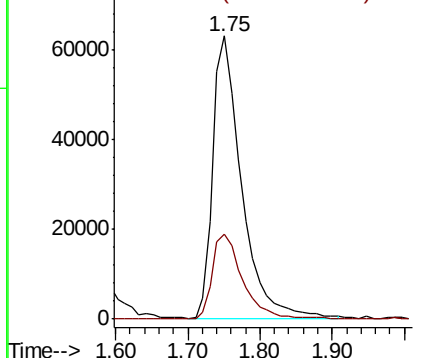
50 100

52 29.9 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: 17.876 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059873.D

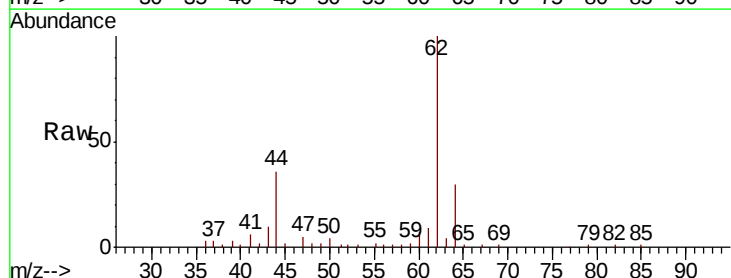
Acq: 22 Aug 2018 13:40

Tgt Ion: 62 Resp: 133881

Ion Ratio Lower Upper

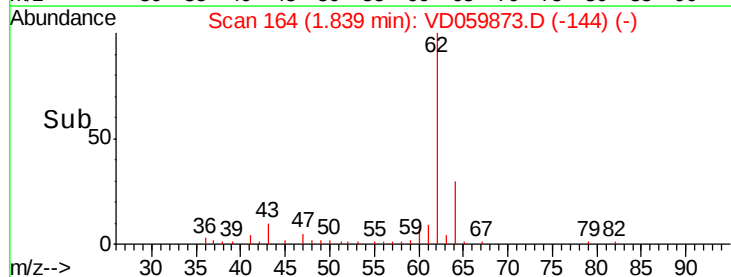
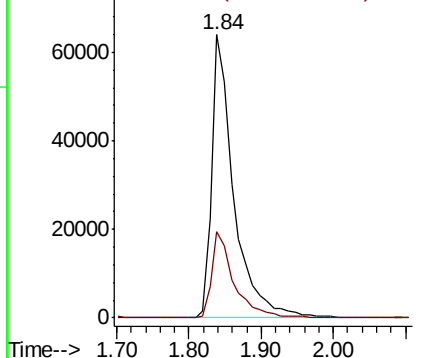
62 100

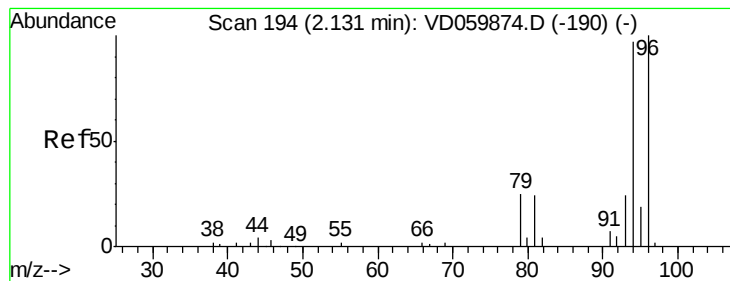
64 30.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.988 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

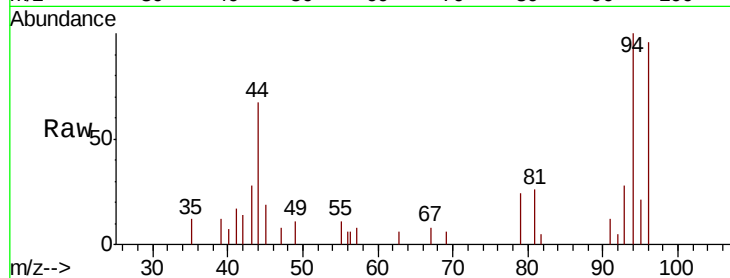
VSTDICCO

Tgt Ion: 94 Resp: 12312

Ion Ratio Lower Upper

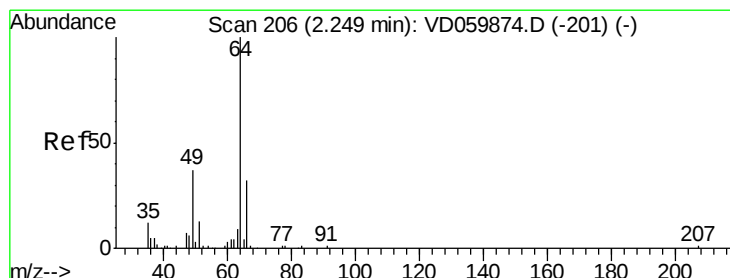
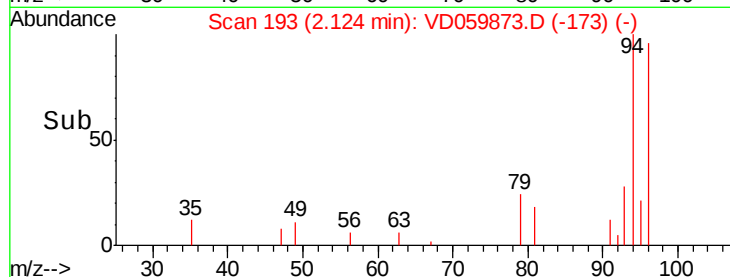
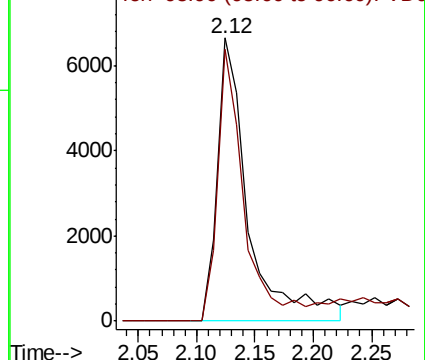
94 100

96 96.0 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: 15.687 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059873.D

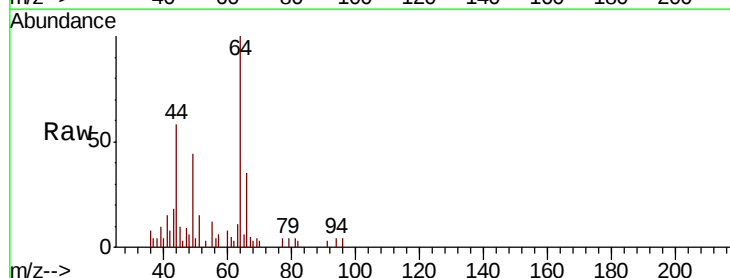
Acq: 22 Aug 2018 13:40

Tgt Ion: 64 Resp: 29834

Ion Ratio Lower Upper

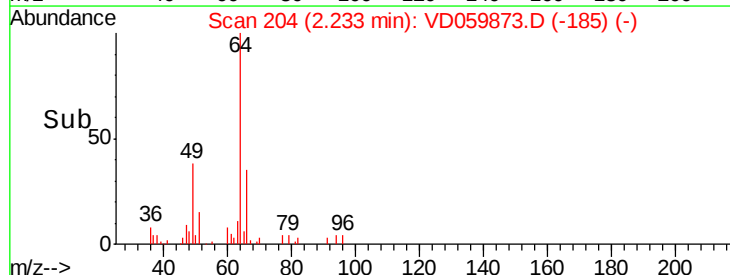
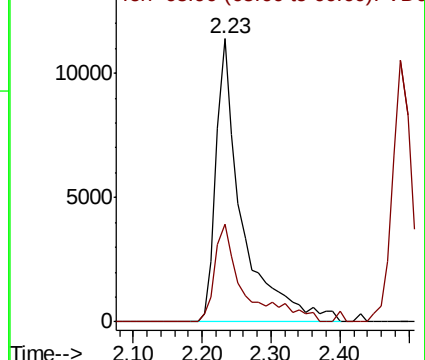
64 100

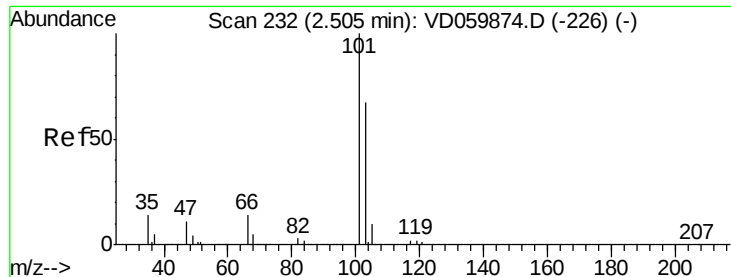
66 34.7 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



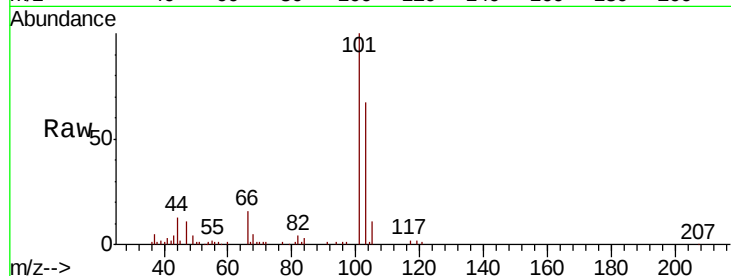


#7

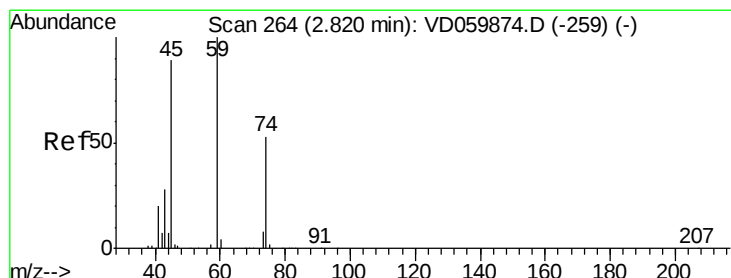
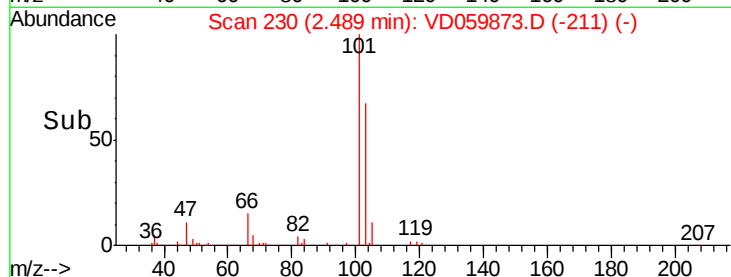
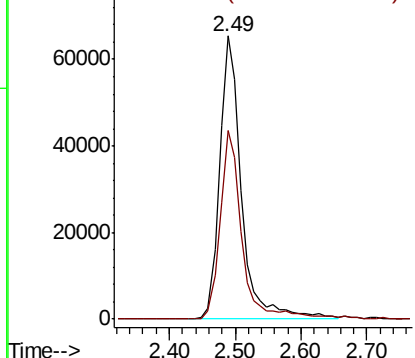
Trichlorofluoromethane
 Concen: 18.569 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

Tgt Ion:101 Resp: 150823
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.7 80.5



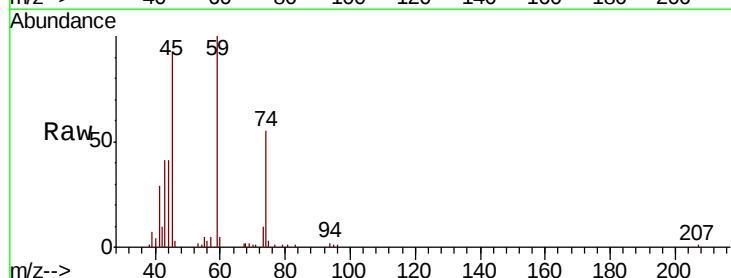
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



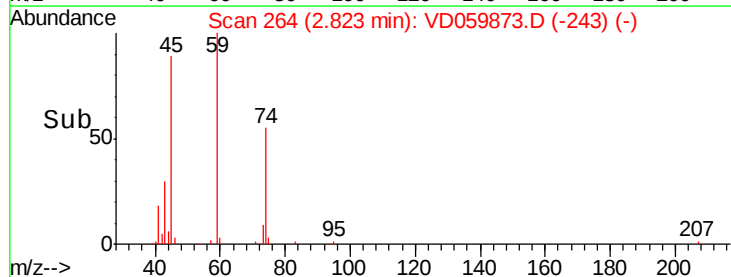
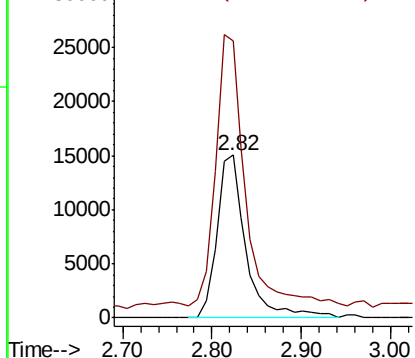
#8

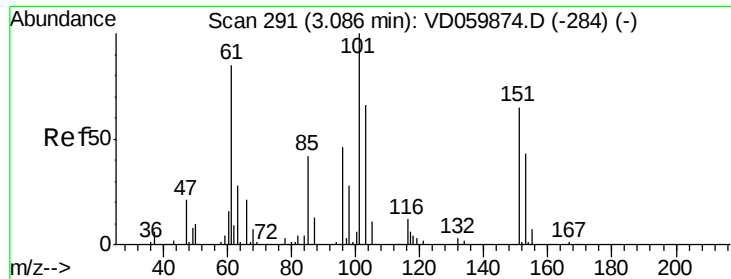
Diethyl Ether
 Concen: 18.429 ug/l
 RT: 2.82 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 74 Resp: 34250
 Ion Ratio Lower Upper
 74 100
 45 170.2 85.7 257.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.517 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

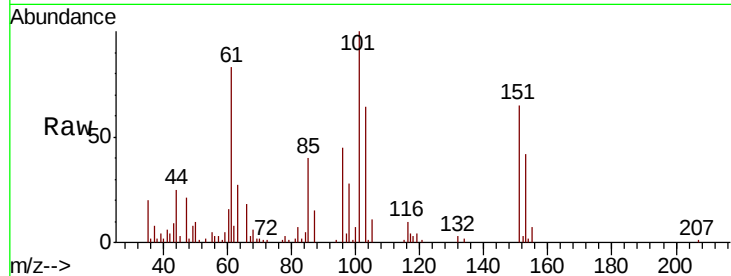
Tgt Ion:101 Resp: 100875

Ion Ratio Lower Upper

101 100

85 40.5 33.6 50.4

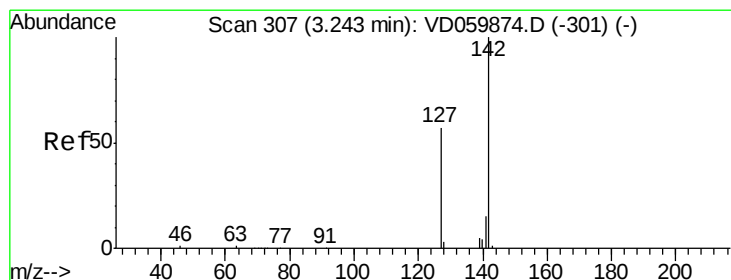
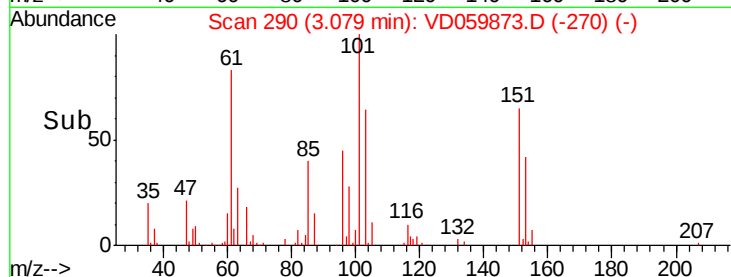
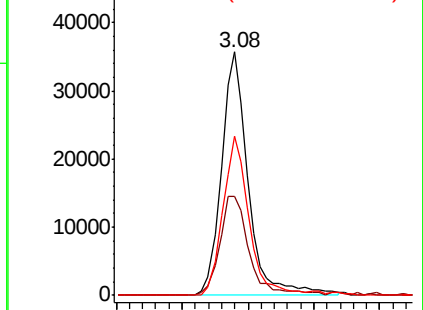
151 65.1 52.0 78.0



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: 17.743 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

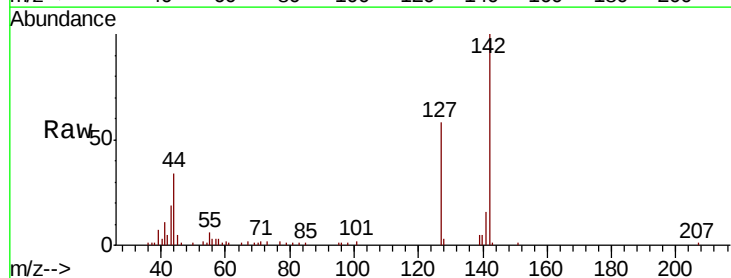
Tgt Ion:142 Resp: 86680

Ion Ratio Lower Upper

142 100

127 57.8 45.8 68.6

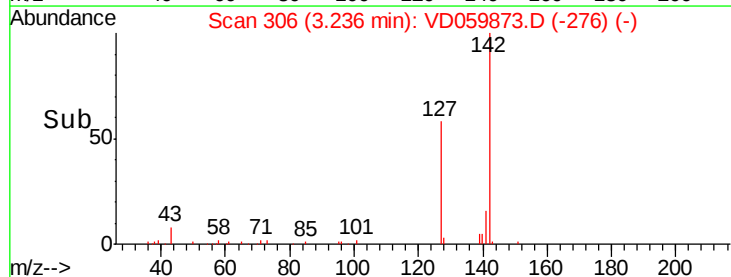
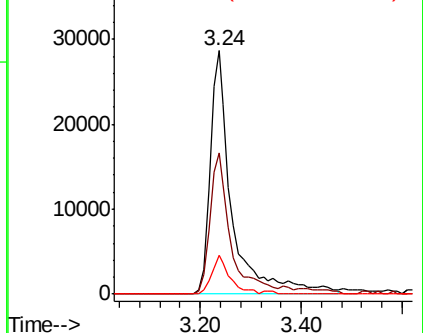
141 15.7 11.6 17.4

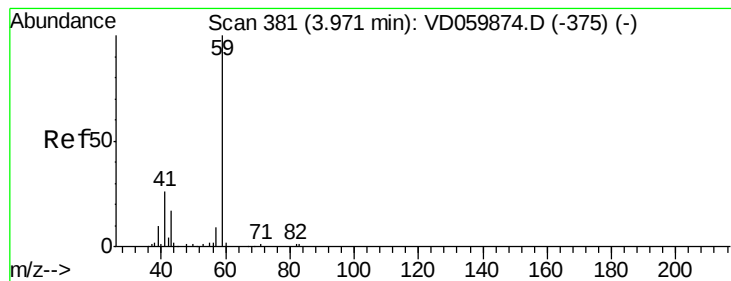


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



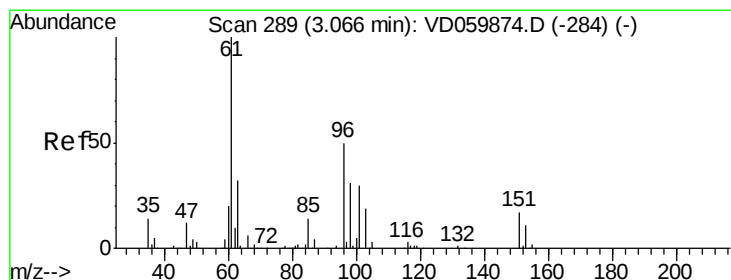
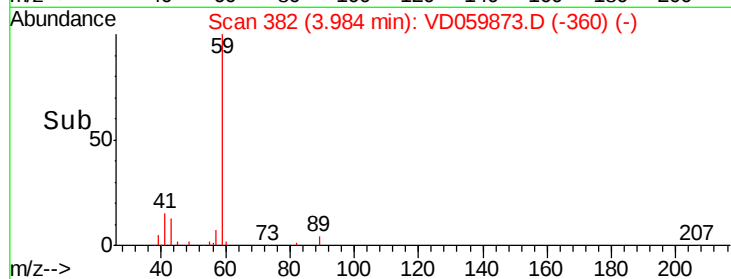
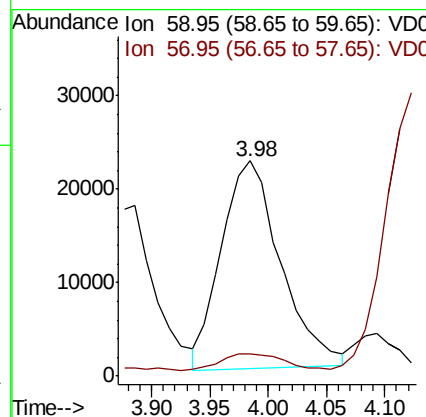
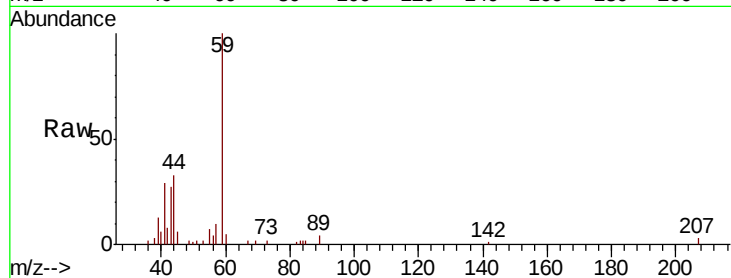


#11

Tert butyl alcohol
 Concen: 101.860 ug/l
 RT: 3.98 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCO

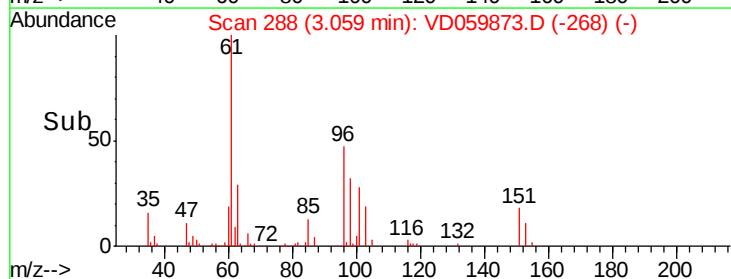
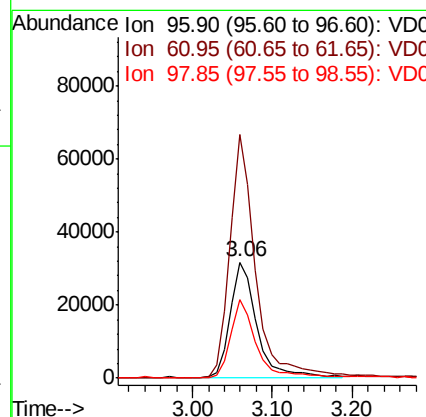
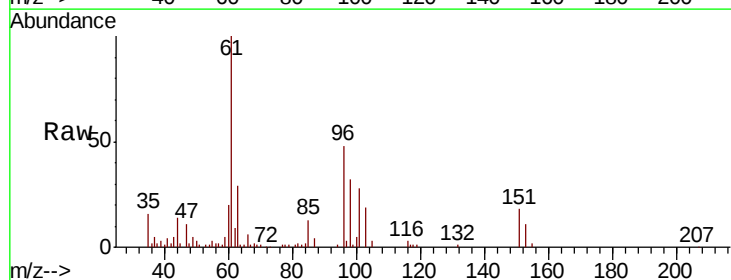
Tgt Ion: 59 Resp: 78966
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.4 11.0

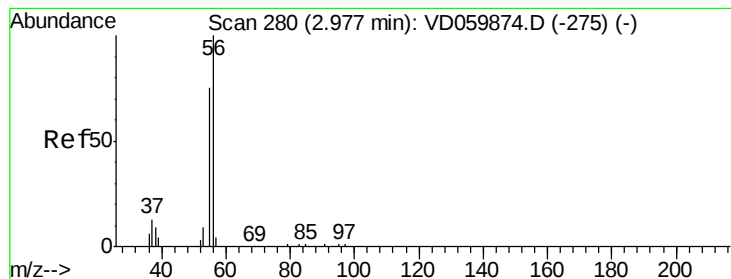


#12

1,1-Dichloroethene
 Concen: 19.208 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 96 Resp: 75593
 Ion Ratio Lower Upper
 96 100
 61 210.0 158.8 238.2
 98 67.4 48.7 73.1





#13

Acrolein

Concen: 76.961 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

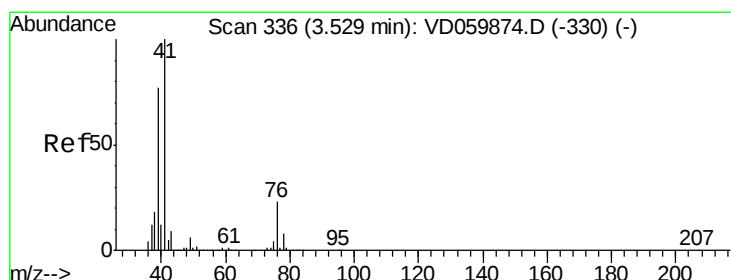
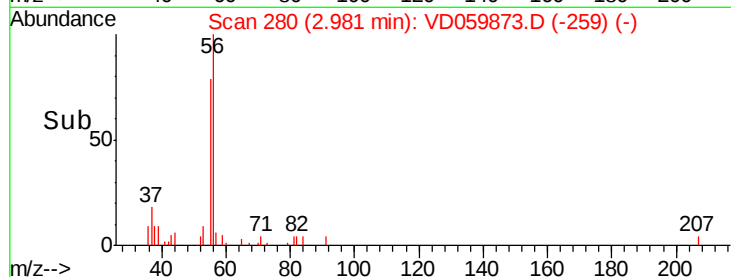
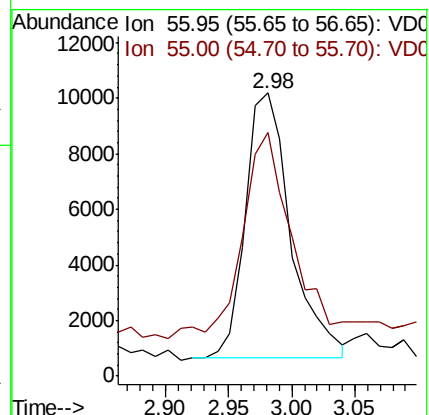
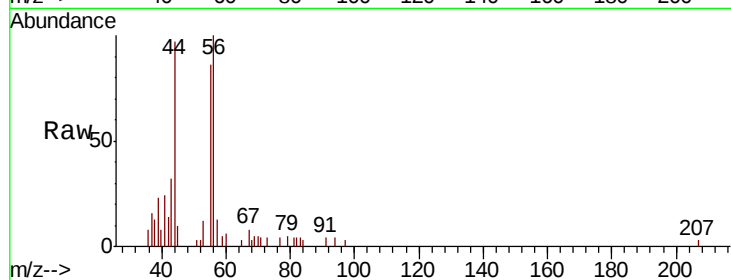
VSTDIC0

Tgt Ion: 56 Resp: 23665

Ion Ratio Lower Upper

56 100

55 86.3 61.9 92.9



#14

Allyl chloride

Concen: 18.947 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

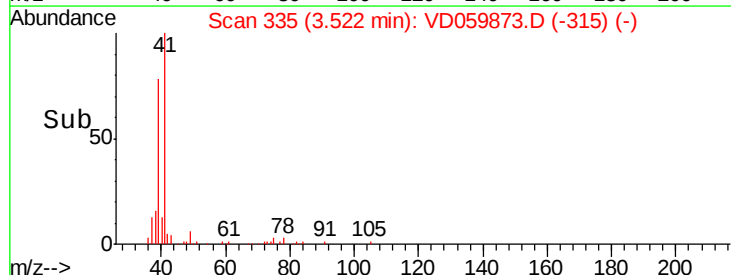
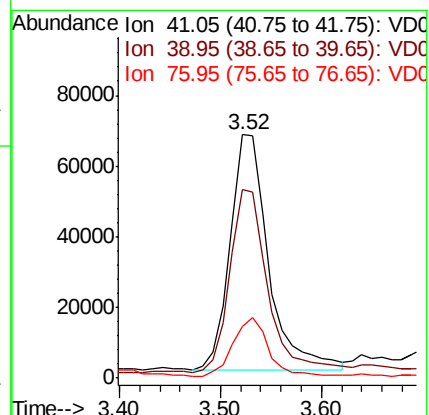
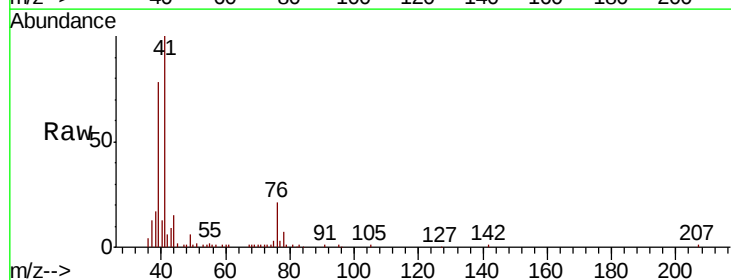
Tgt Ion: 41 Resp: 175589

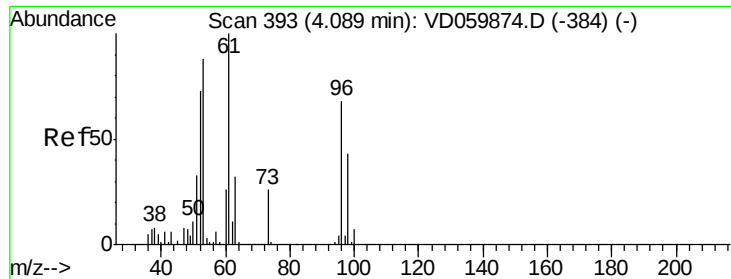
Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

76 21.4 19.4 29.2





#15

Acrylonitrile

Concen: 95.736 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

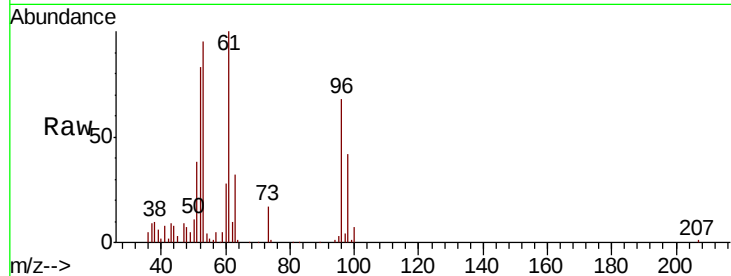
Tgt Ion: 53 Resp: 270846

Ion Ratio Lower Upper

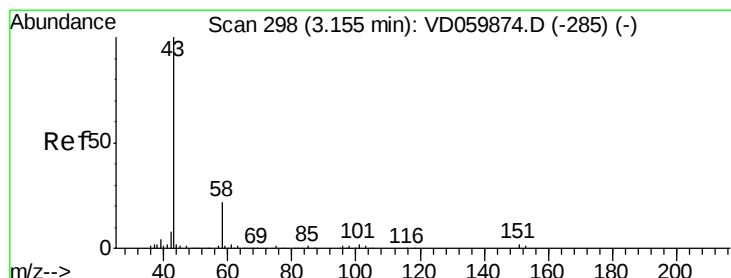
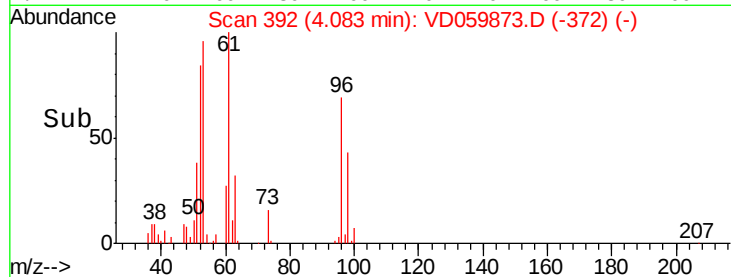
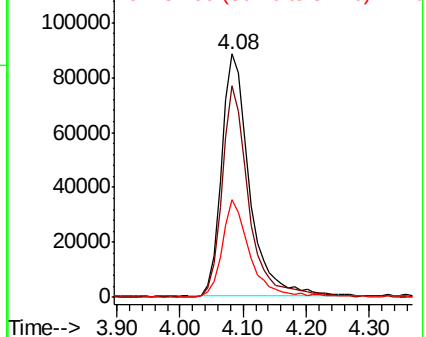
53 100

52 87.2 66.9 100.3

51 40.2 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: 85.234 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059873.D

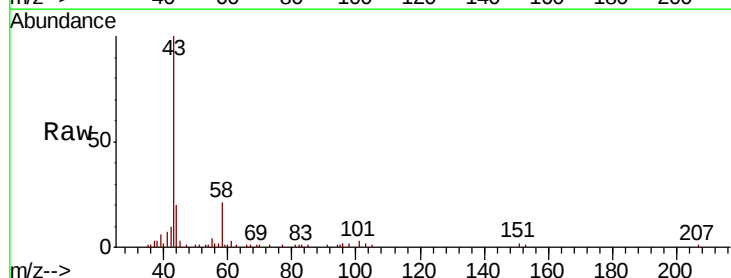
Acq: 22 Aug 2018 13:40

Tgt Ion: 43 Resp: 147004

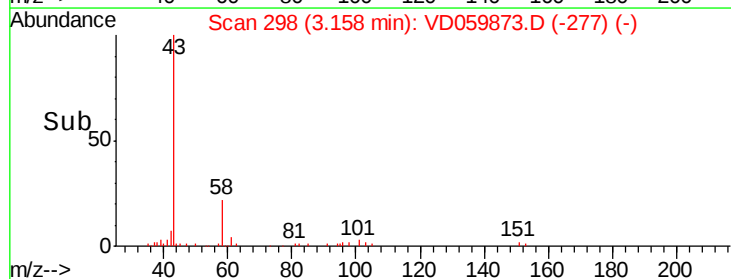
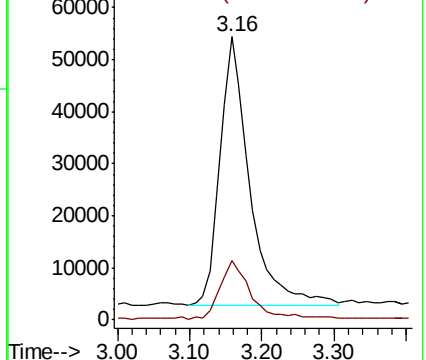
Ion Ratio Lower Upper

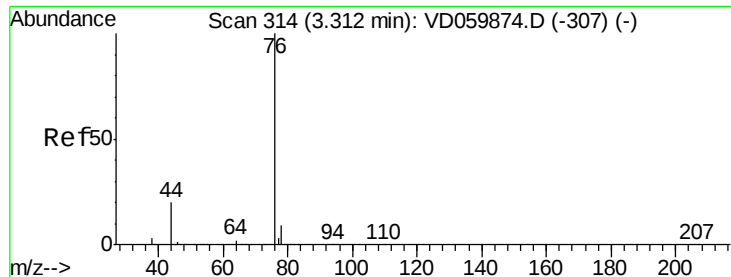
43 100

58 21.2 17.6 26.4



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

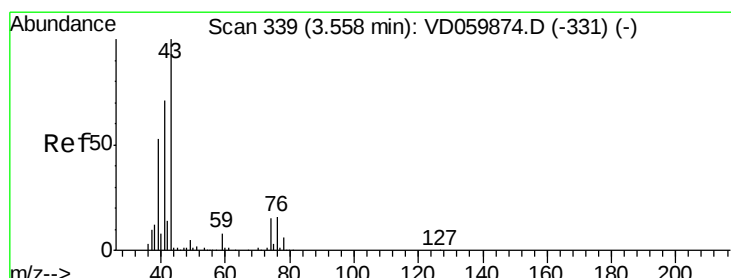
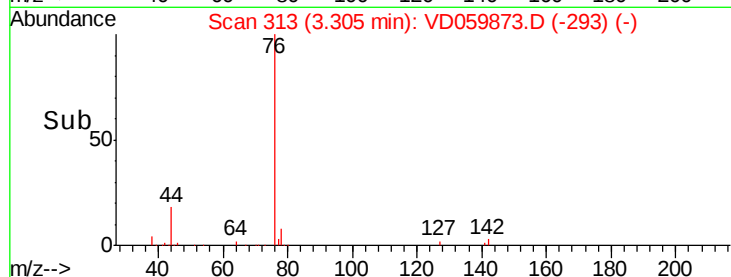
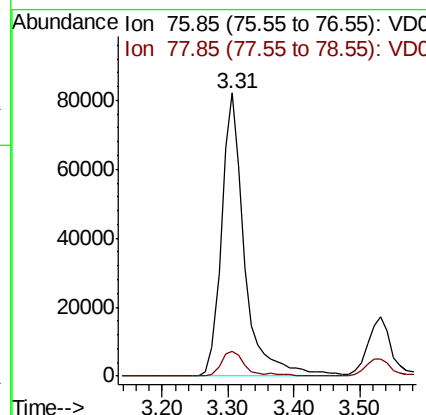
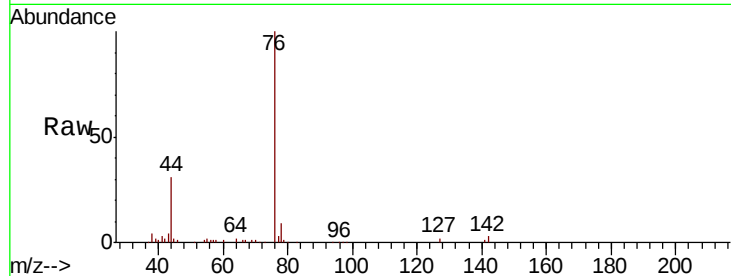




#17
Carbon Disulfide
Concen: 16.171 ug/l
RT: 3.31 min Scan# 313
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

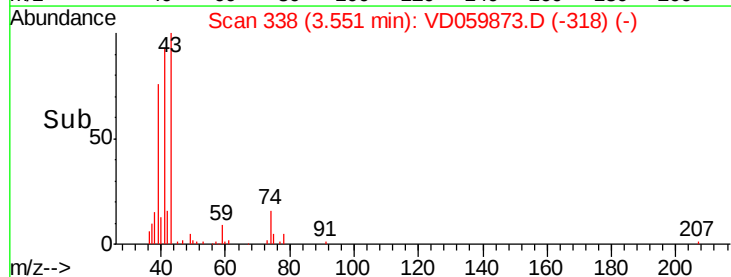
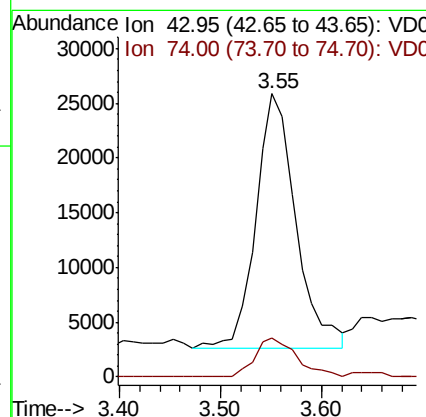
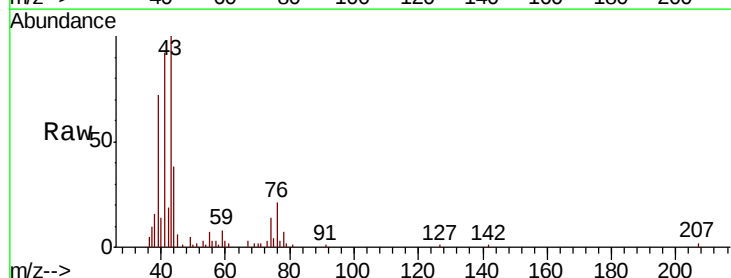
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC0

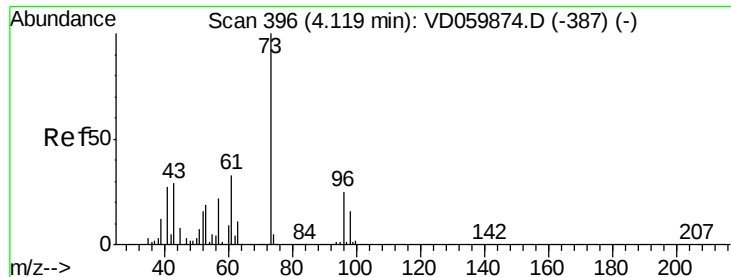
Tgt Ion: 76 Resp: 197918
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 16.760 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 43 Resp: 63746
Ion Ratio Lower Upper
43 100
74 13.8 11.2 16.8





#19

Methyl tert-butyl Ether

Concen: 19.288 ug/l

RT: 4.12 min Scan# 396

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

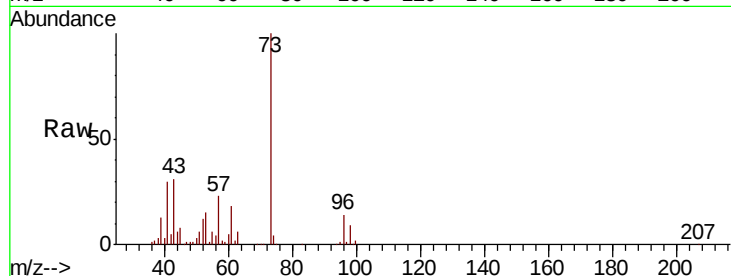
VSTDICCO

Tgt Ion: 73 Resp: 454297

Ion Ratio Lower Upper

73 100

57 22.8 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.12

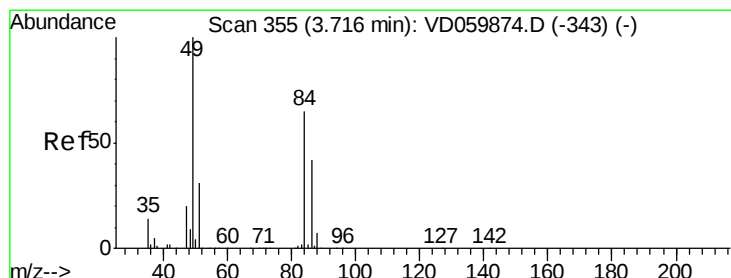
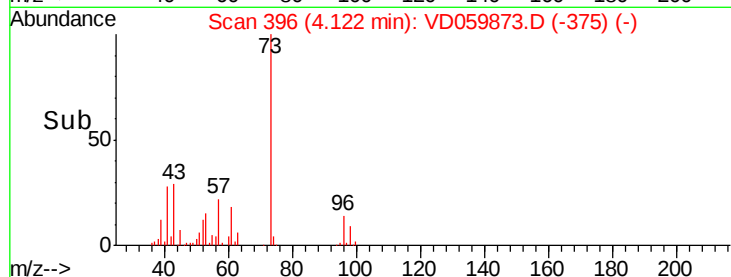
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 18.861 ug/l

RT: 3.71 min Scan# 354

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Tgt Ion: 84 Resp: 266896

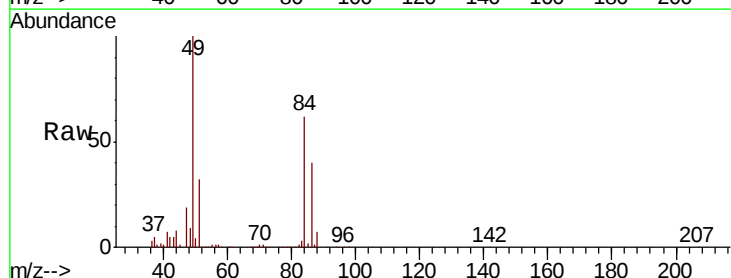
Ion Ratio Lower Upper

84 100

49 161.3 122.6 183.8

51 51.3 38.4 57.6

86 64.3 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

200000

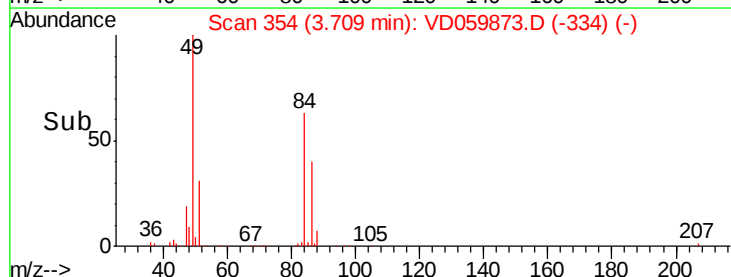
150000

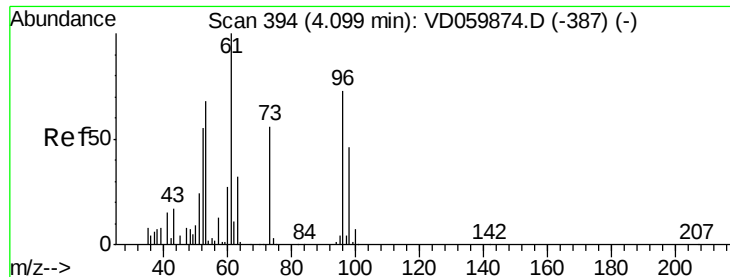
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.361 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCO

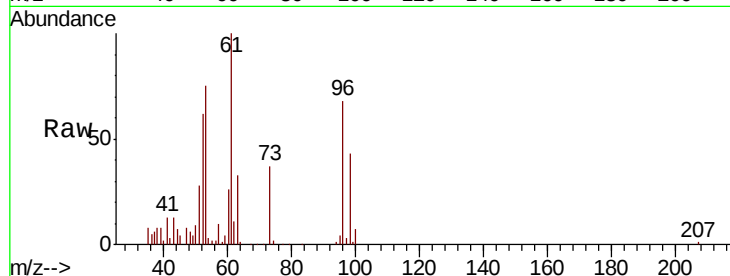
Tgt Ion: 96 Resp: 204646

Ion Ratio Lower Upper

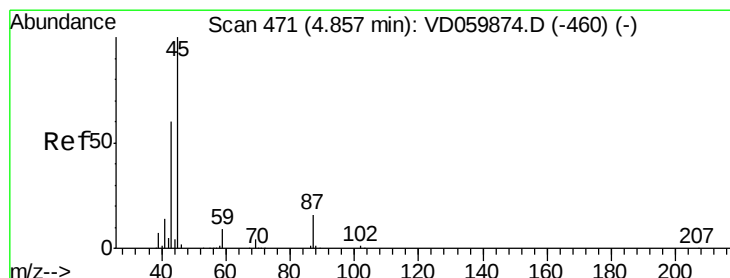
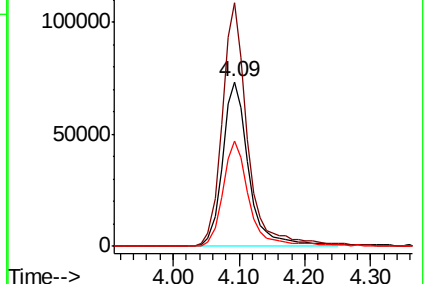
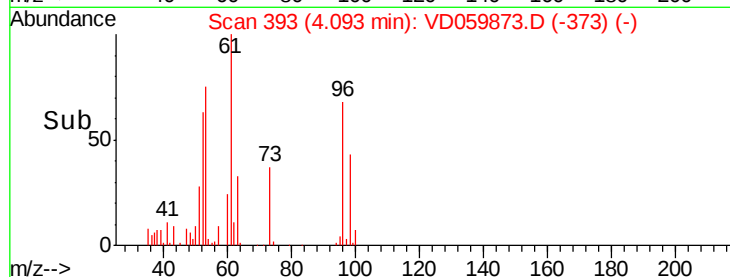
96 100

61 147.9 110.2 165.4

98 63.7 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: 19.601 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Tgt Ion: 45 Resp: 924307

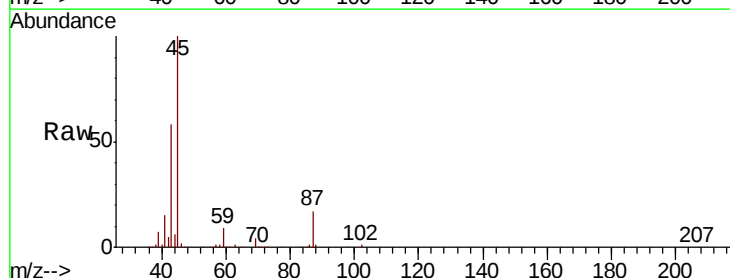
Ion Ratio Lower Upper

45 100

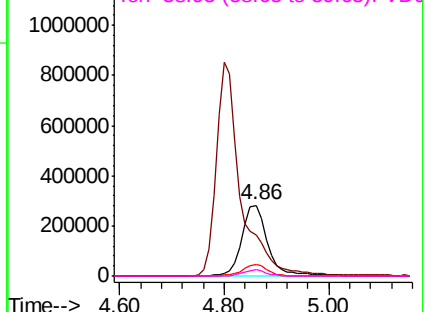
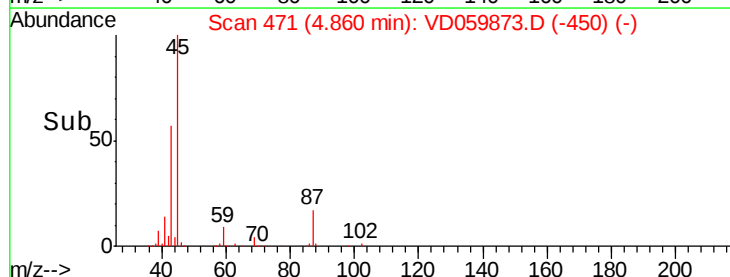
43 57.8 48.6 72.8

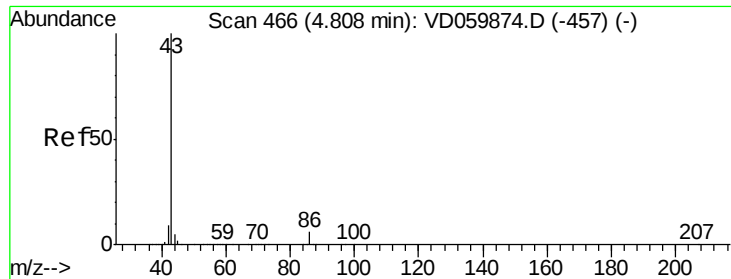
87 16.6 13.3 19.9

59 8.9 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

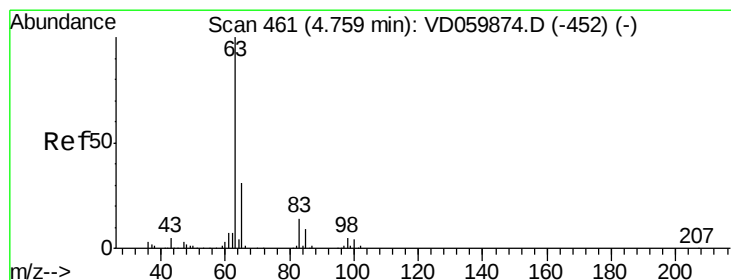
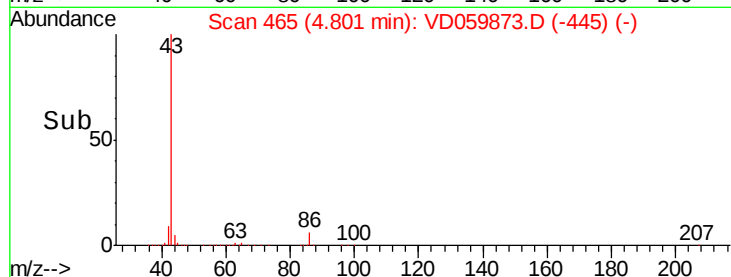
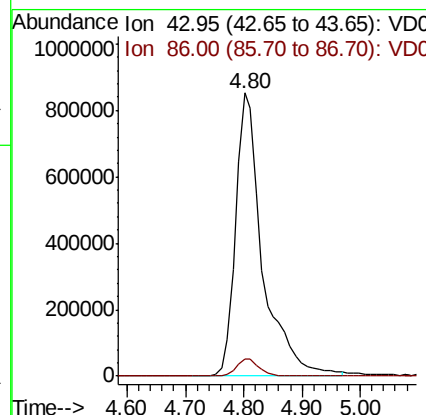
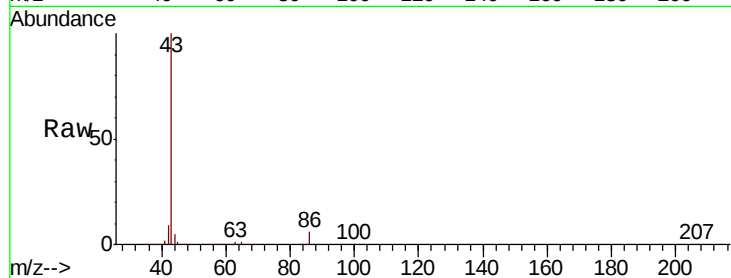




#23
 Vinyl Acetate
 Concen: 103.509 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

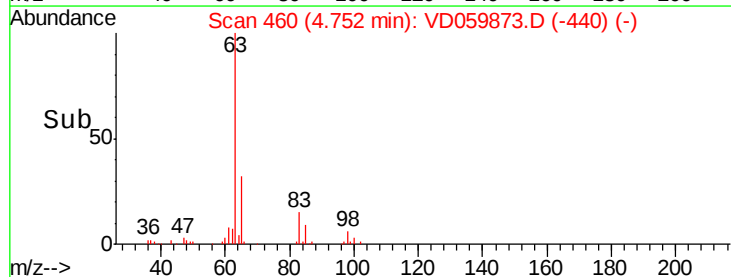
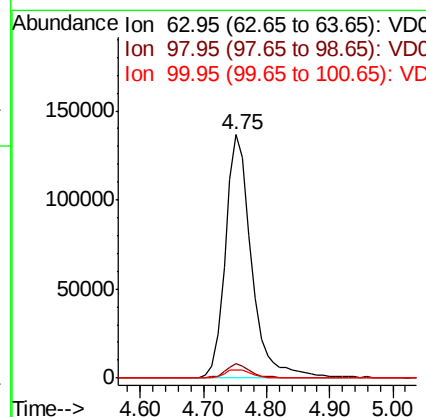
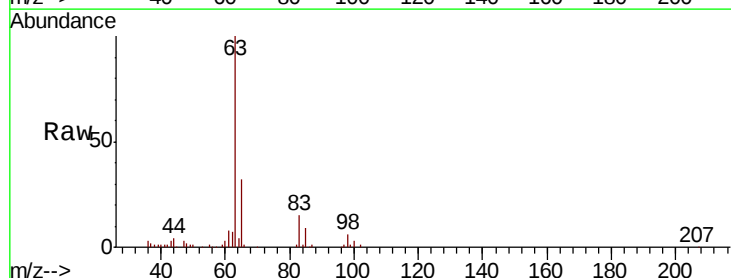
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCO

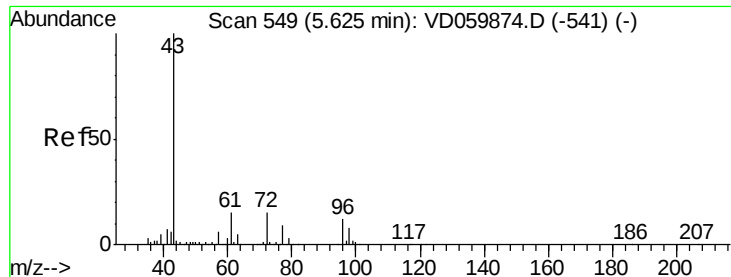
Tgt Ion: 43 Resp: 2720162
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 19.433 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 63 Resp: 395199
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.7 8.1
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 86.226 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

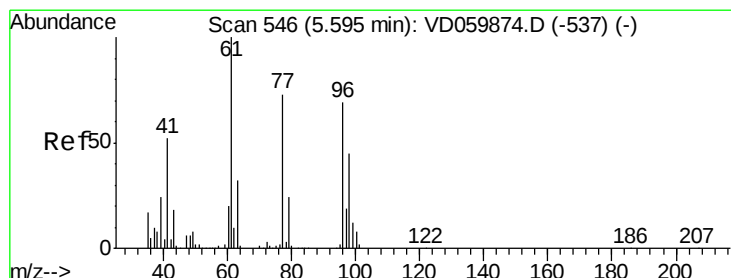
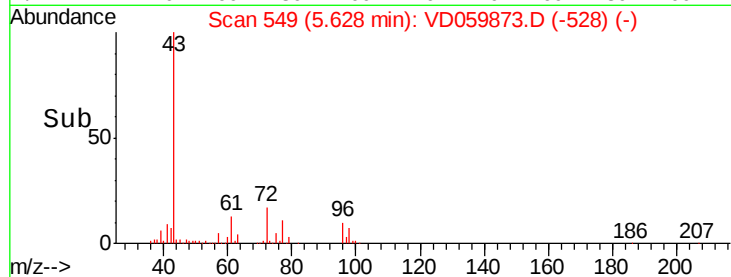
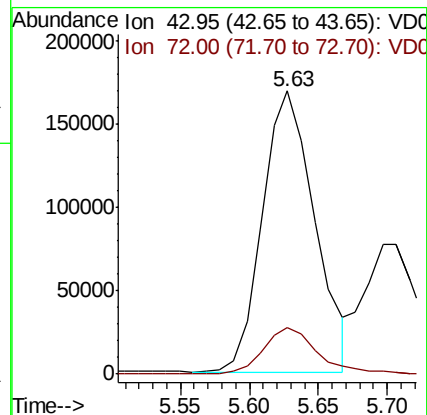
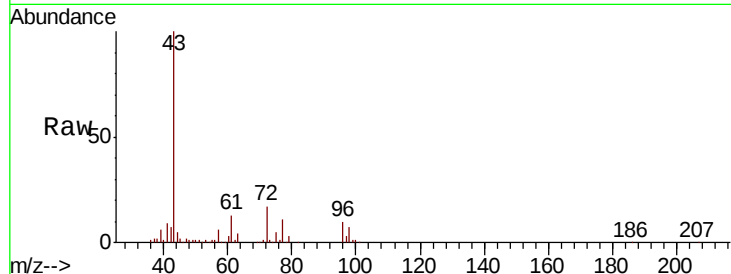
VSTDICCO

Tgt Ion: 43 Resp: 444138

Ion Ratio Lower Upper

43 100

72 16.6 12.3 18.5



#26

2,2-Dichloropropane

Concen: 20.553 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059873.D

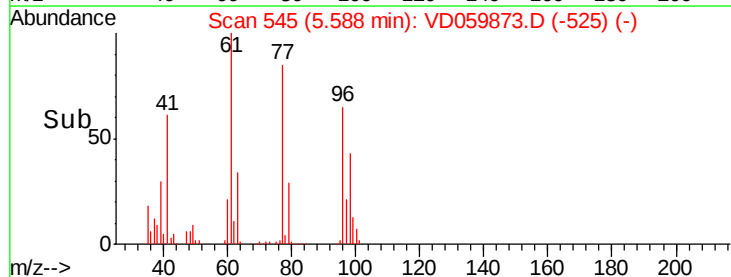
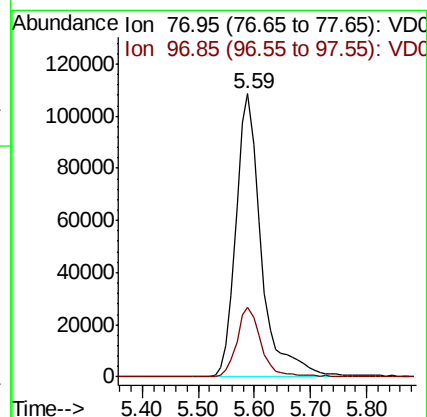
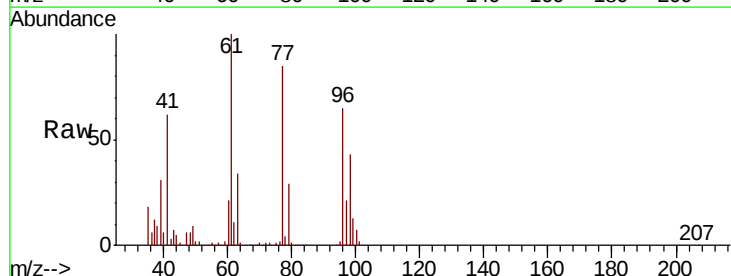
Acq: 22 Aug 2018 13:40

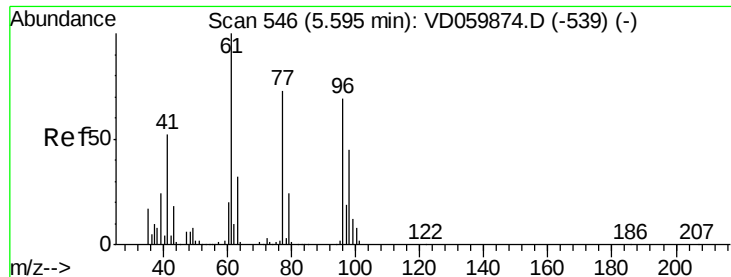
Tgt Ion: 77 Resp: 341454

Ion Ratio Lower Upper

77 100

97 24.6 13.0 38.9



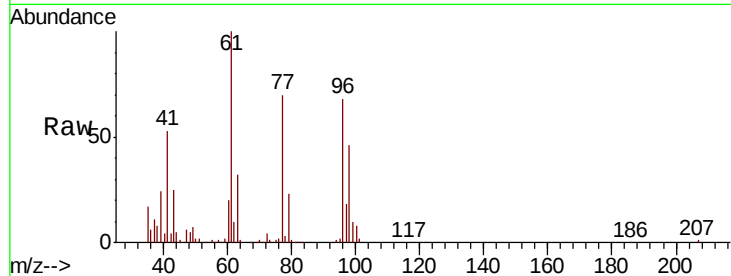


#27

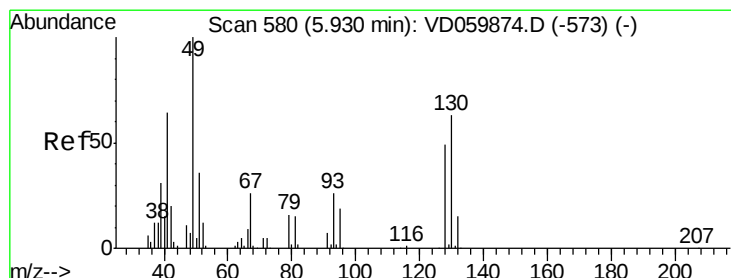
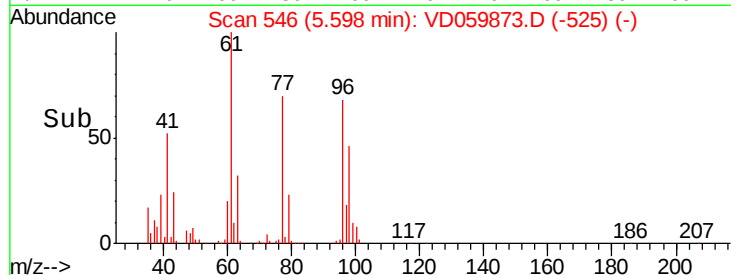
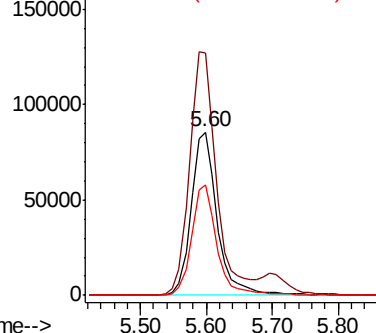
cis-1,2-Dichloroethene
 Concen: 19.044 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCO

Tgt Ion: 96 Resp: 235609
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 290.2
 98 67.7 0.0 130.4



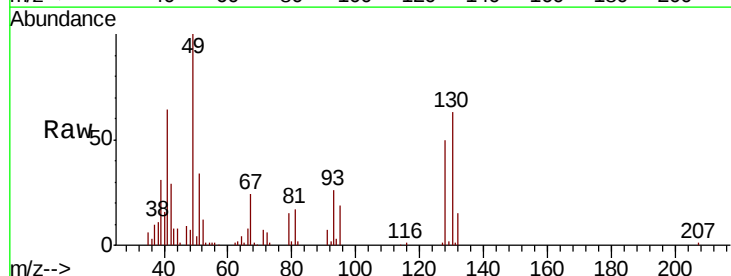
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



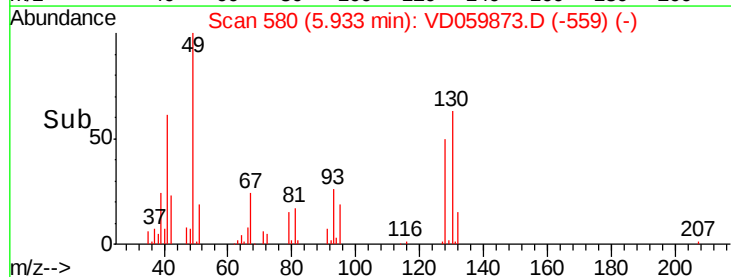
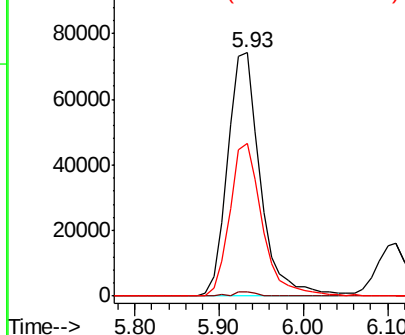
#28

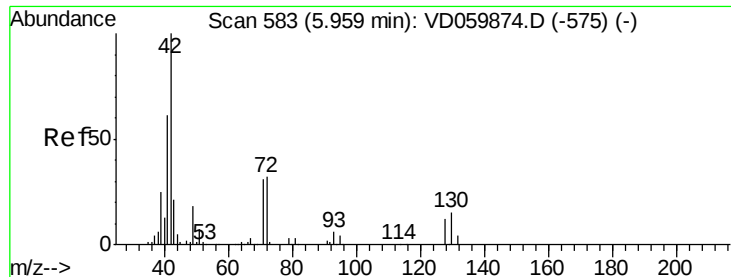
Bromochloromethane
 Concen: 20.429 ug/l
 RT: 5.93 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 49 Resp: 199558
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.2
 130 62.9 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: 95.455 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

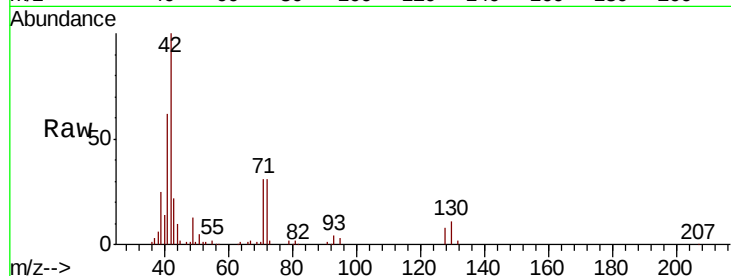
Tgt Ion: 42 Resp: 245340

Ion Ratio Lower Upper

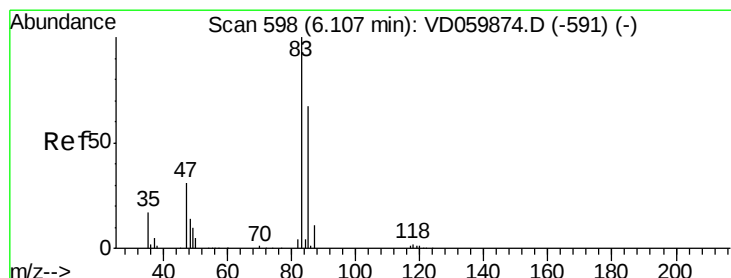
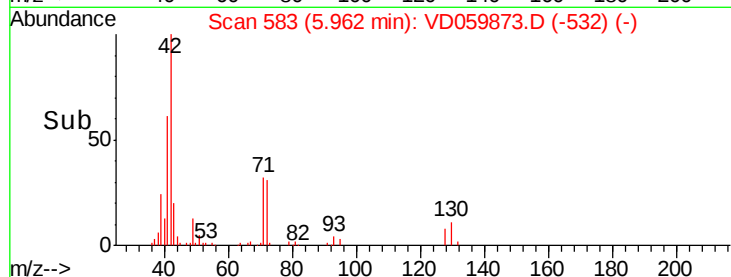
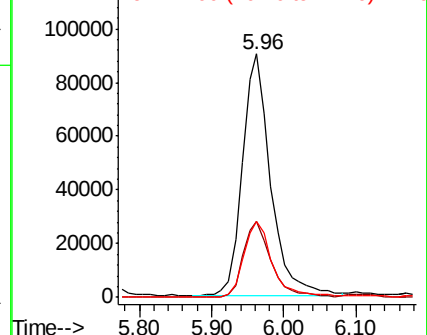
42 100

72 31.2 25.7 38.5

71 32.2 25.3 37.9



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



#30

Chloroform

Concen: 19.591 ug/l

RT: 6.11 min Scan# 598

Delta R.T. 0.00 min

Lab File: VD059873.D

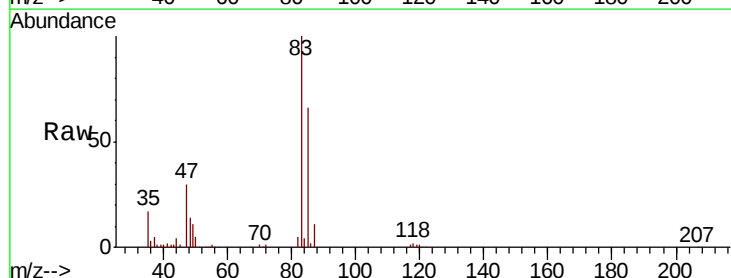
Acq: 22 Aug 2018 13:40

Tgt Ion: 83 Resp: 406737

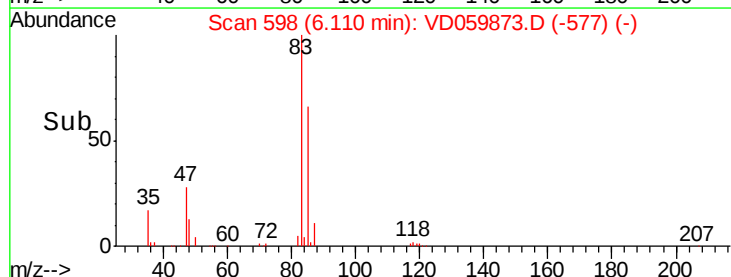
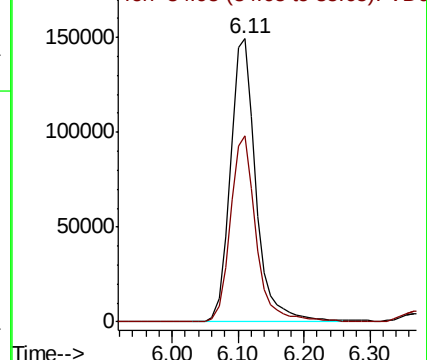
Ion Ratio Lower Upper

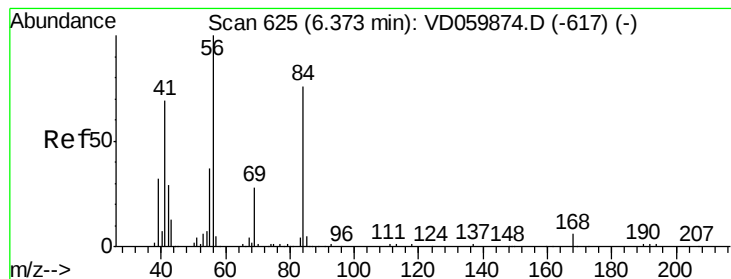
83 100

85 65.7 53.5 80.3



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





#31

Cyclohexane

Concen: 17.506 ug/l

RT: 6.37 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

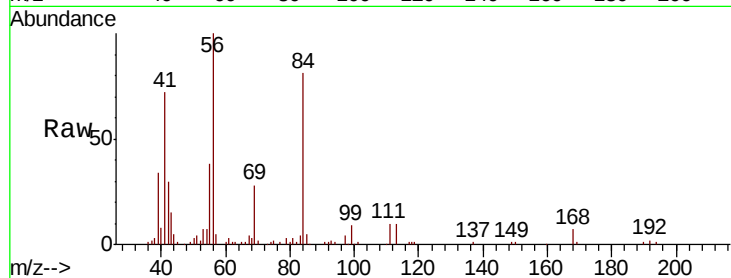
Tgt Ion: 56 Resp: 325195

Ion Ratio Lower Upper

56 100

69 28.1 22.4 33.6

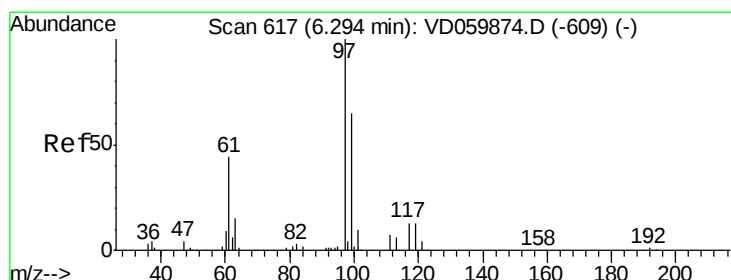
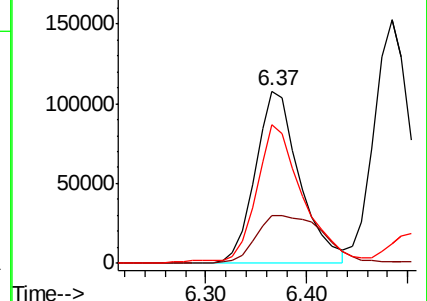
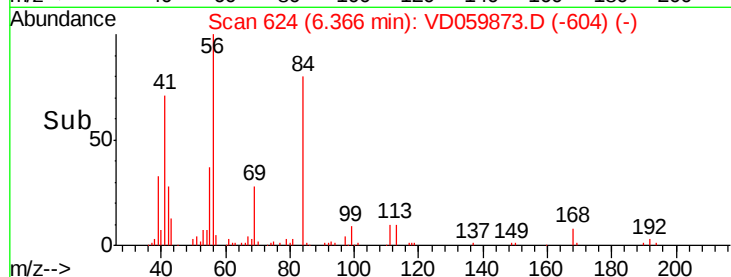
84 80.6 62.1 93.1



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: 19.362 ug/l

RT: 6.30 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

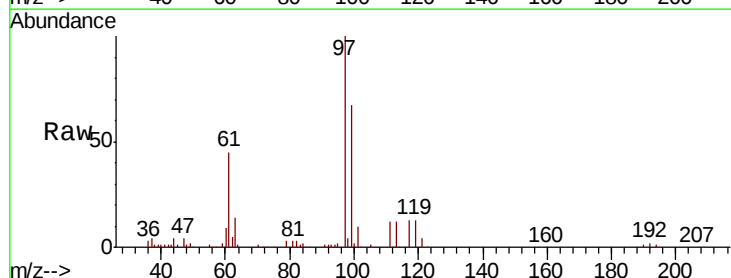
Tgt Ion: 97 Resp: 340944

Ion Ratio Lower Upper

97 100

99 66.7 51.7 77.5

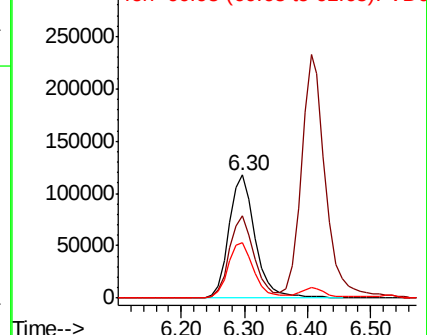
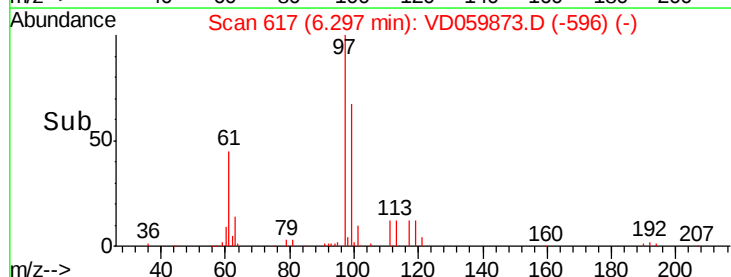
61 44.6 35.4 53.2

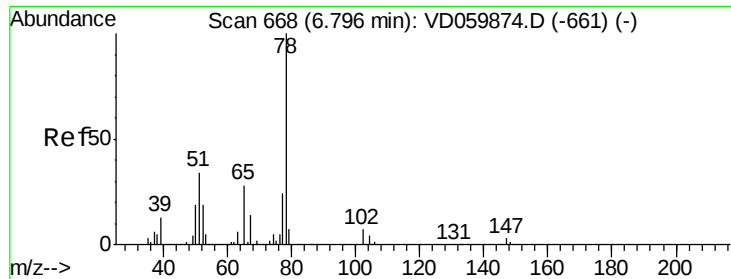


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.362 ug/l

RT: 6.79 min Scan# 667

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

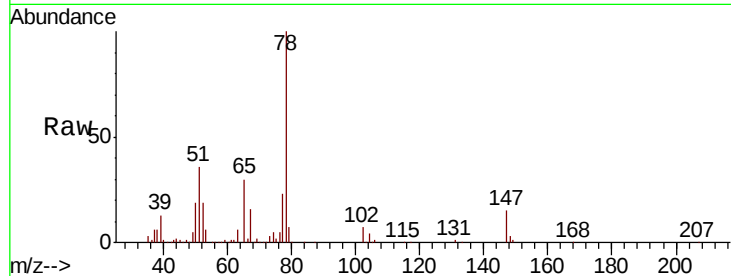
VSTDIC0

Tgt Ion: 65 Resp: 188032

Ion Ratio Lower Upper

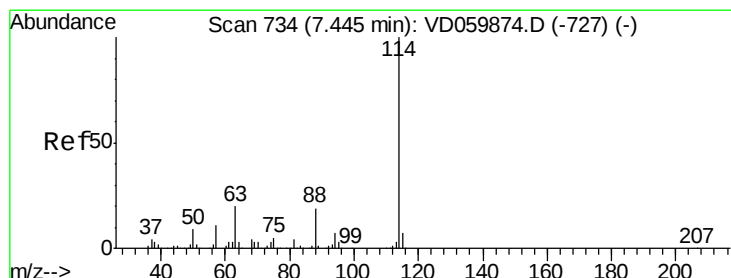
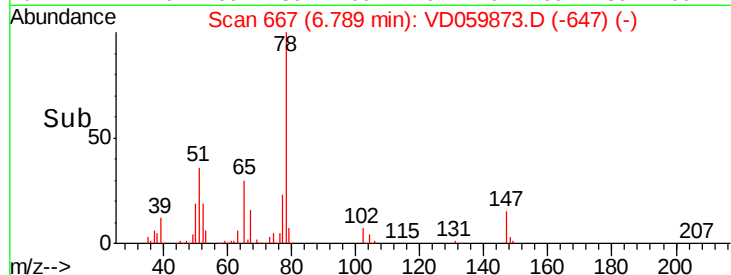
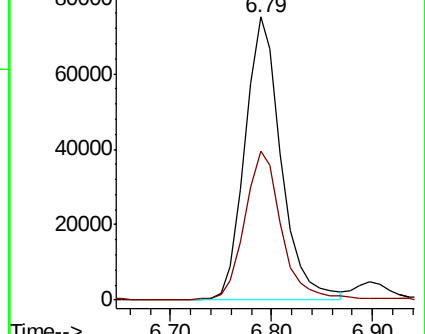
65 100

67 52.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

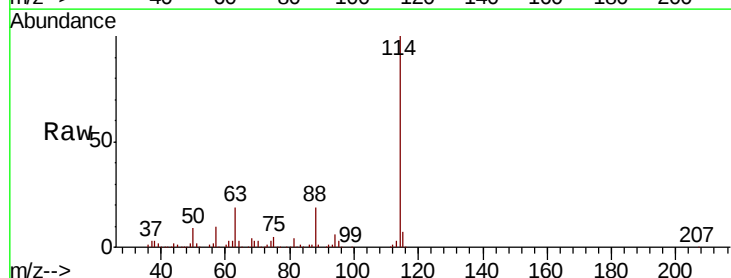
Tgt Ion: 114 Resp: 1663855

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

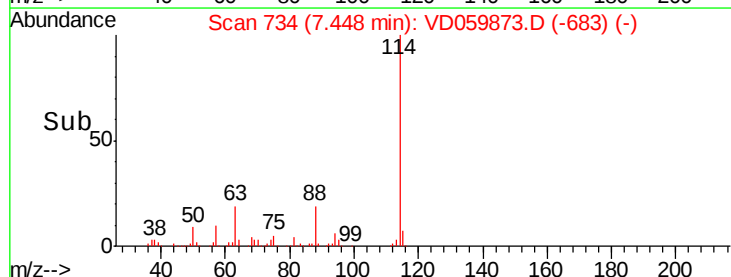
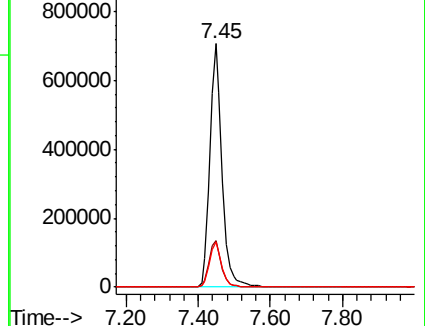
88 18.6 0.0 37.6

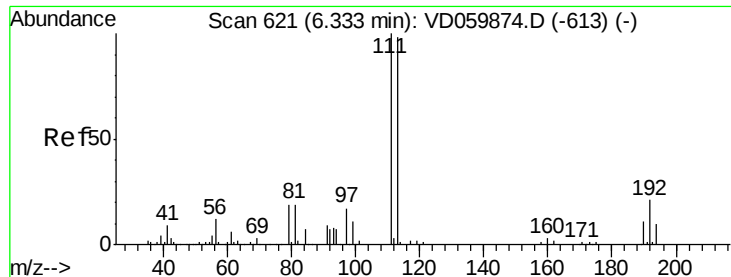


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

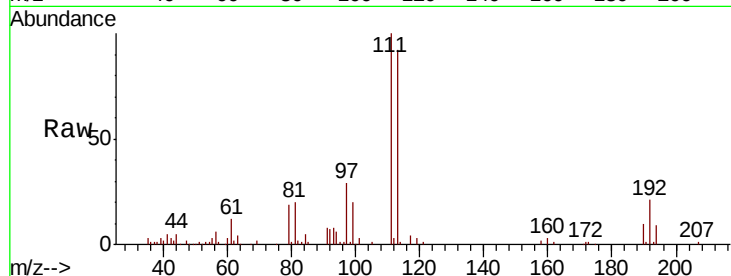




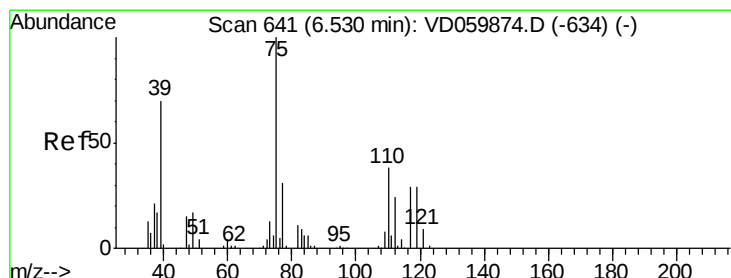
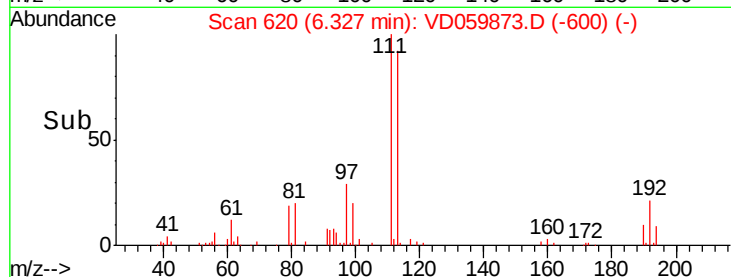
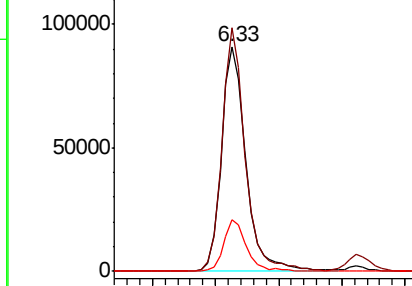
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

Tgt Ion: 113 Resp: 244962
 Ion Ratio Lower Upper
 113 100
 111 108.5 81.4 122.2
 192 22.8 17.0 25.6

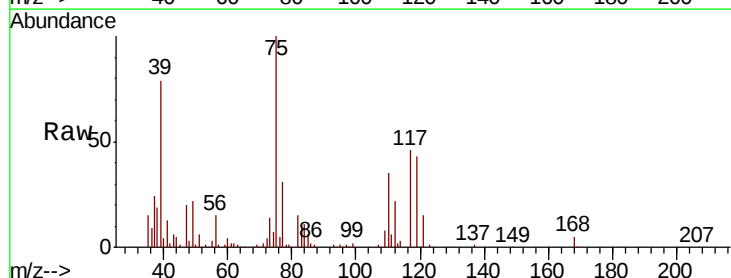


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

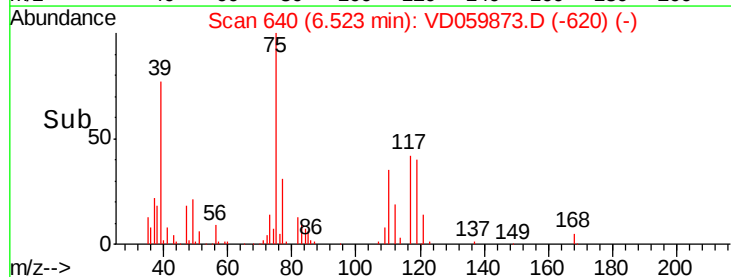
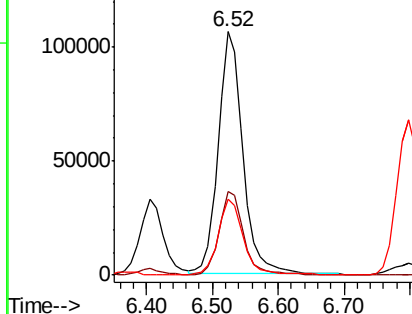


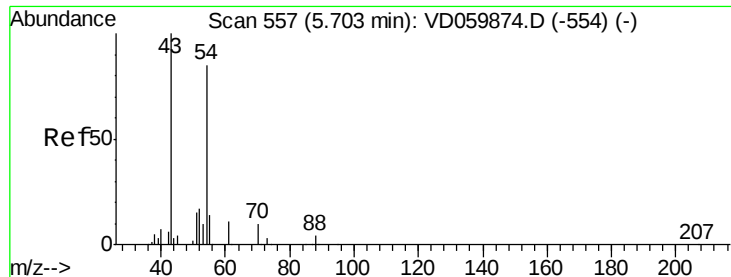
#36
 1,1-Dichloropropene
 Concen: 18.717 ug/l
 RT: 6.52 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 75 Resp: 276193
 Ion Ratio Lower Upper
 75 100
 110 34.6 18.6 56.0
 77 31.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

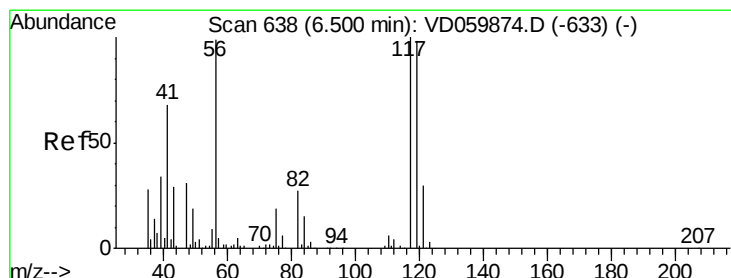
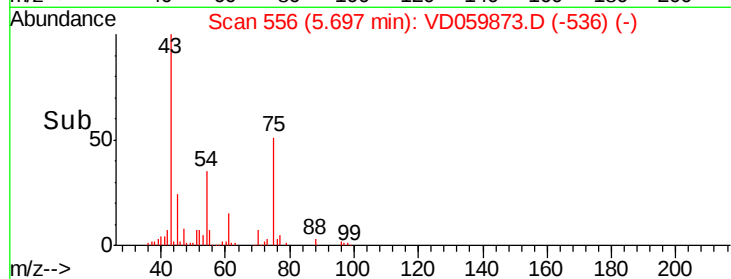
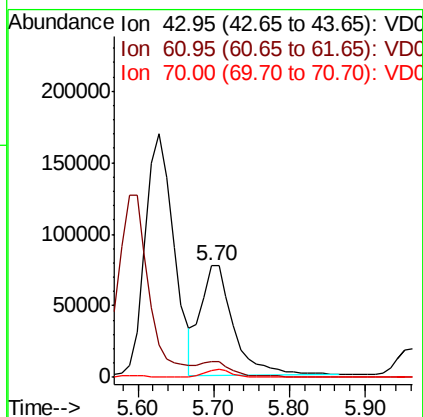
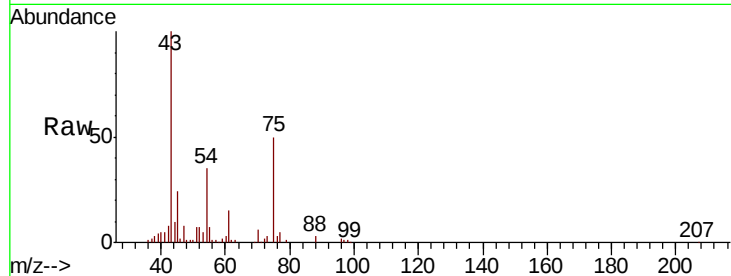




#37
 Ethyl Acetate
 Concen: 19.319 ug/l
 RT: 5.70 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

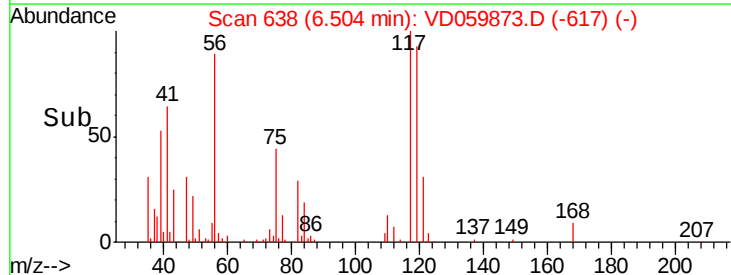
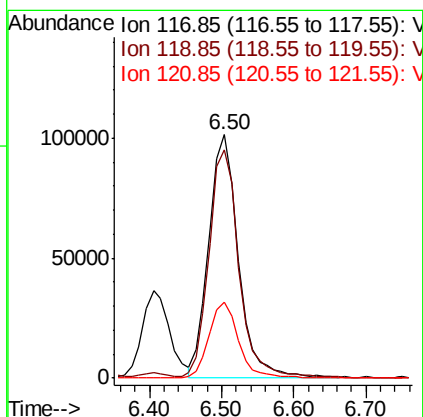
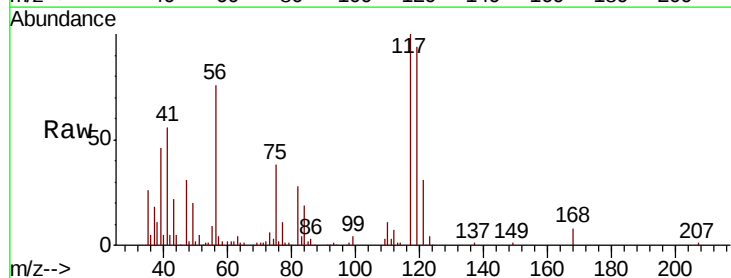
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

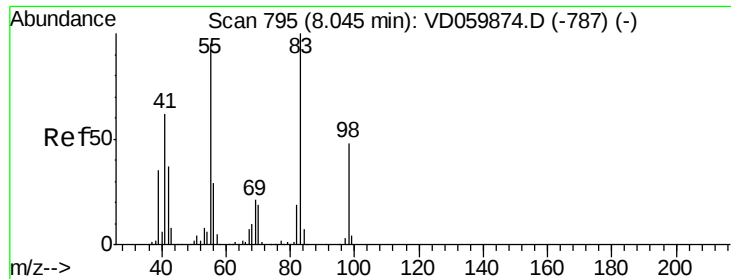
Tgt Ion: 43 Resp: 228757
 Ion Ratio Lower Upper
 43 100
 61 14.6 11.0 16.6
 70 6.4 5.7 8.5



#38
 Carbon Tetrachloride
 Concen: 19.071 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 117 Resp: 285240
 Ion Ratio Lower Upper
 117 100
 119 94.0 77.2 115.8
 121 31.4 24.0 36.0

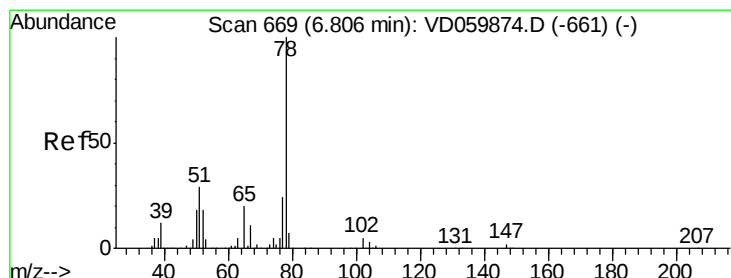
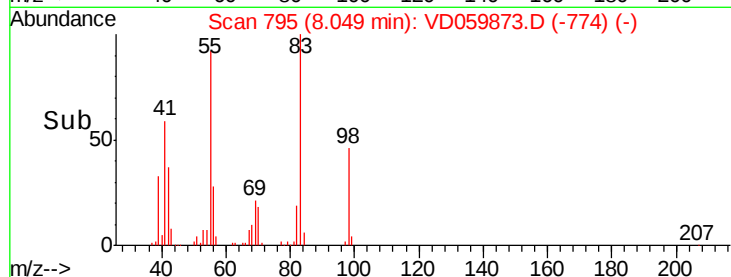
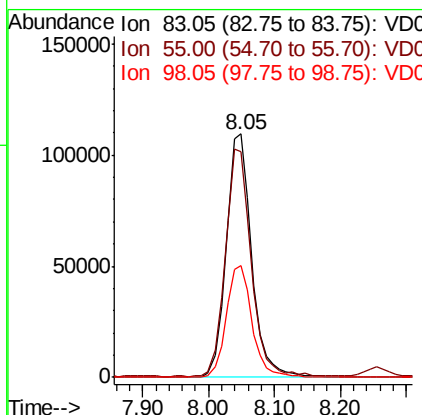
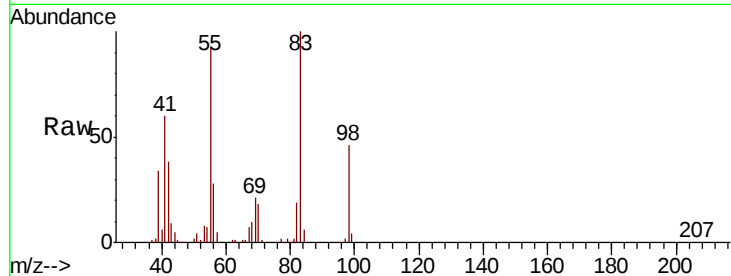




#39
Methylcyclohexane
Concen: 18.170 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

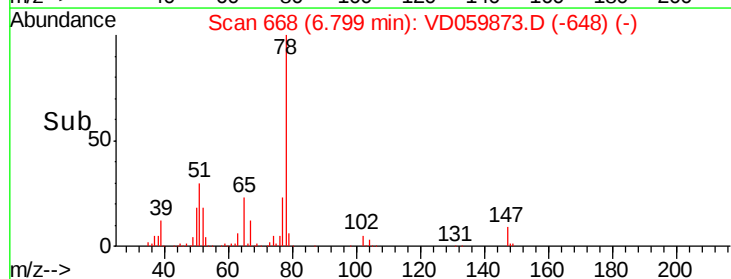
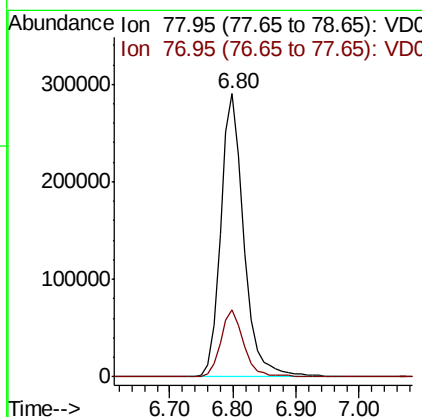
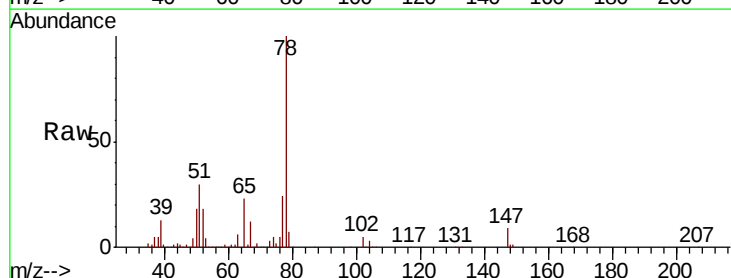
Instrument :
MSVOA_D
ClientSampled :
VSTDICCO

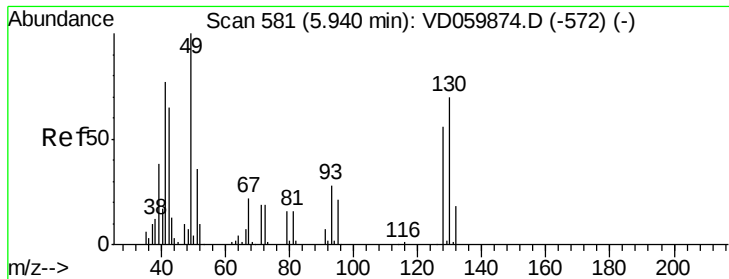
Tgt Ion: 83 Resp: 295943
Ion Ratio Lower Upper
83 100
55 92.8 75.8 113.6
98 46.1 38.3 57.5



#40
Benzene
Concen: 19.168 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 78 Resp: 741269
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 24.162 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

Tgt Ion: 41 Resp: 256766

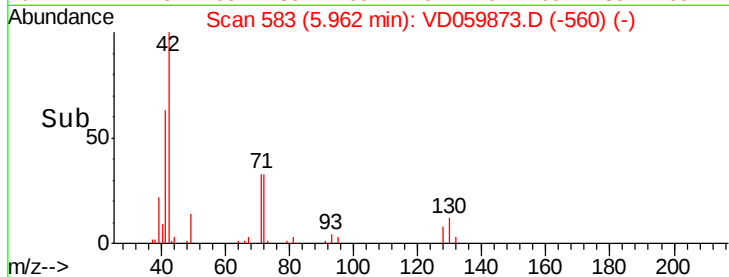
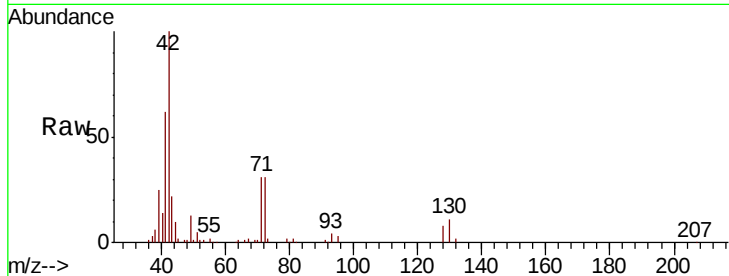
Ion Ratio Lower Upper

41 100

39 40.1 39.4 59.2

67 3.8 22.2 33.2#

52 1.8 10.1 15.1#

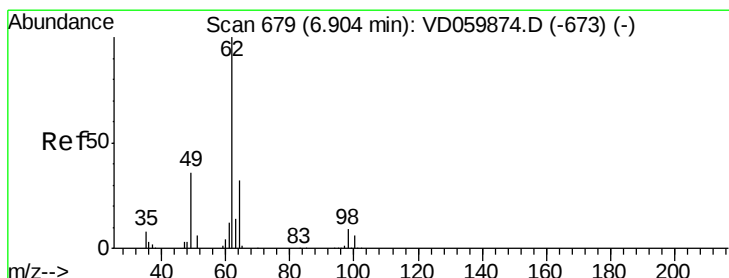
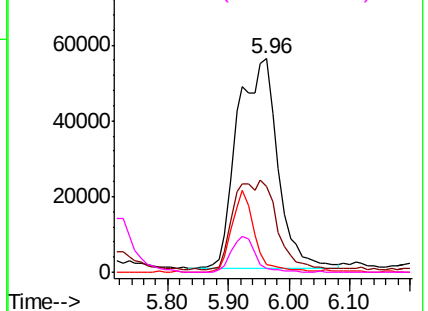


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.157 ug/l

RT: 6.90 min Scan# 678

Delta R.T. -0.01 min

Lab File: VD059873.D

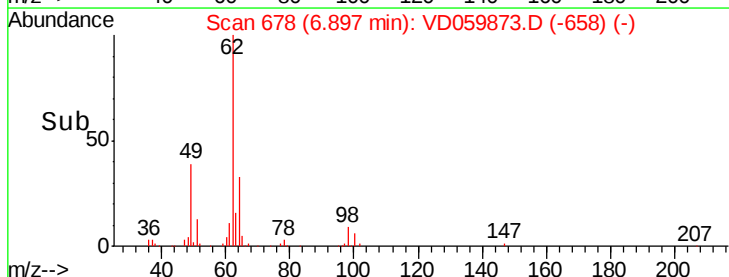
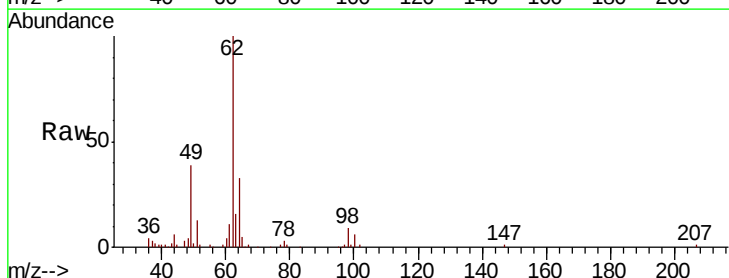
Acq: 22 Aug 2018 13:40

Tgt Ion: 62 Resp: 241639

Ion Ratio Lower Upper

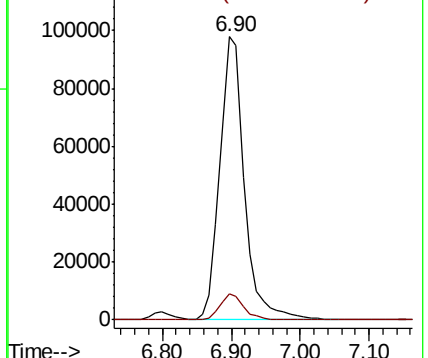
62 100

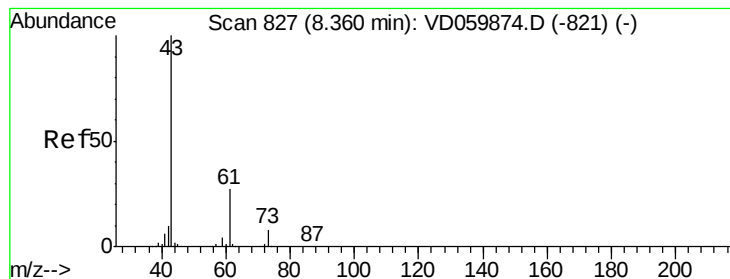
98 9.0 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



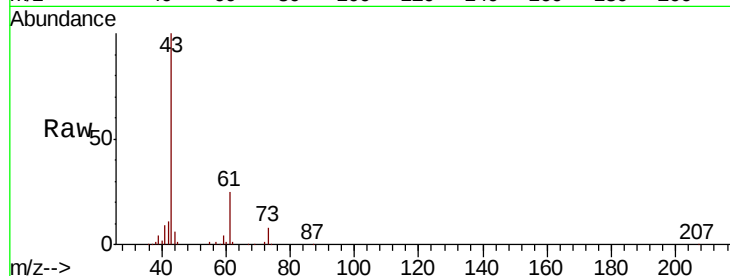


#43

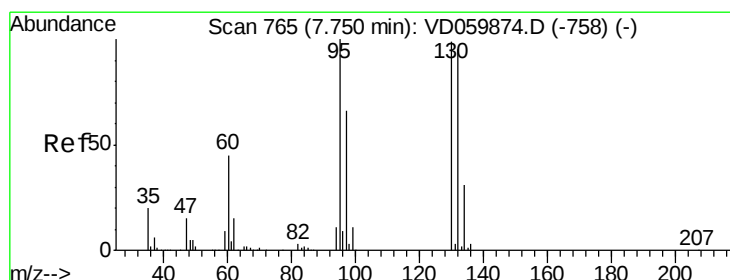
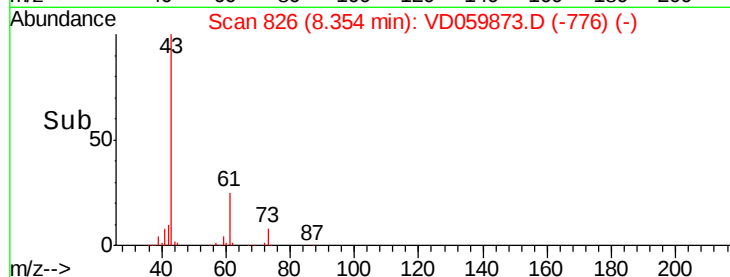
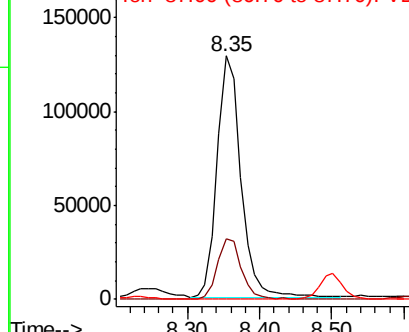
Isopropyl Acetate
 Concen: 18.719 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCO

Tgt Ion: 43 Resp: 291252
 Ion Ratio Lower Upper
 43 100
 61 25.0 21.4 32.2
 87 0.4 0.2 0.4#



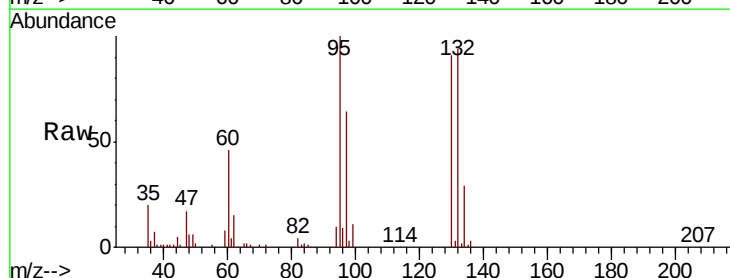
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



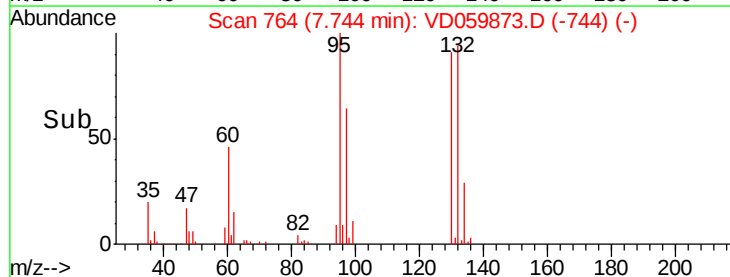
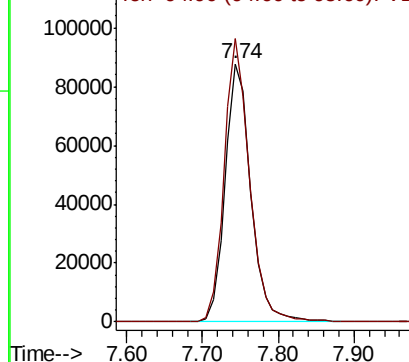
#44

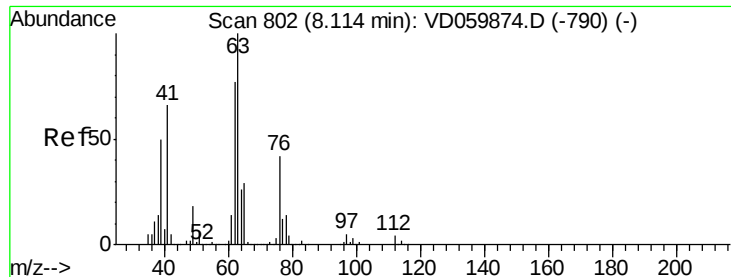
Trichloroethene
 Concen: 18.114 ug/l
 RT: 7.74 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 130 Resp: 205762
 Ion Ratio Lower Upper
 130 100
 95 109.7 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 19.189 ug/l

RT: 8.11 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

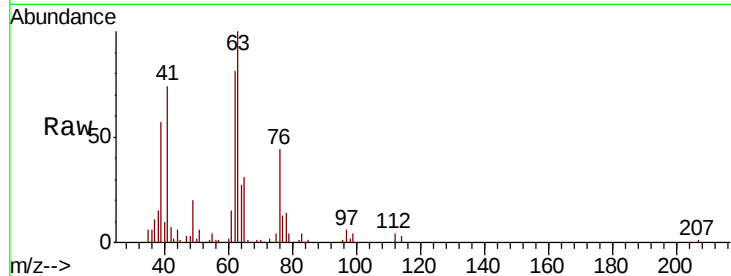
VSTDICCO

Tgt Ion: 63 Resp: 210100

Ion Ratio Lower Upper

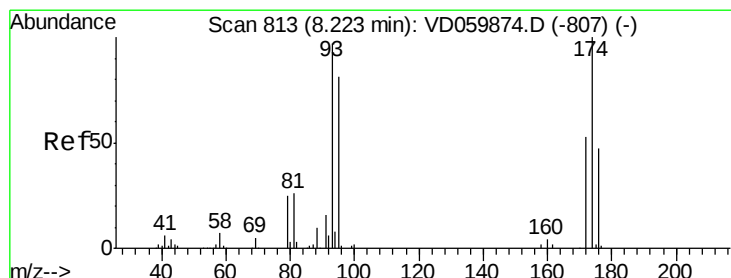
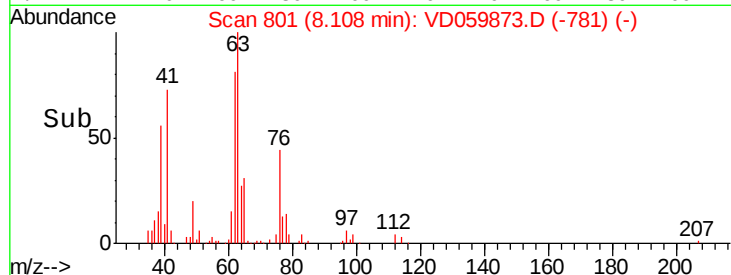
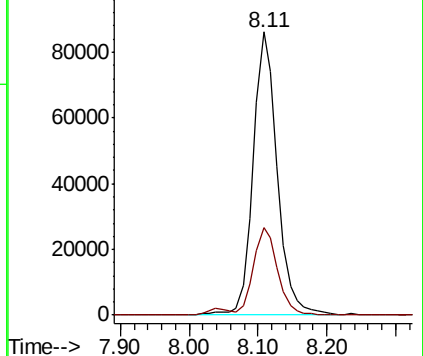
63 100

65 31.0 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: 18.700 ug/l

RT: 8.23 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

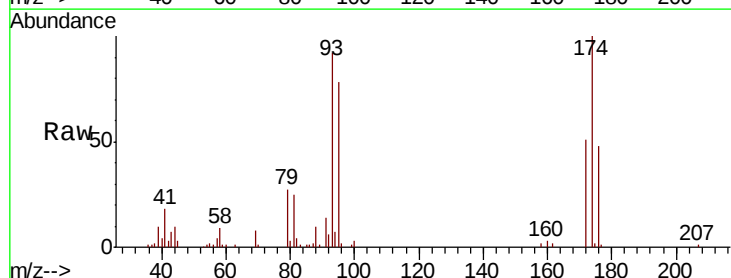
Tgt Ion: 93 Resp: 131216

Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

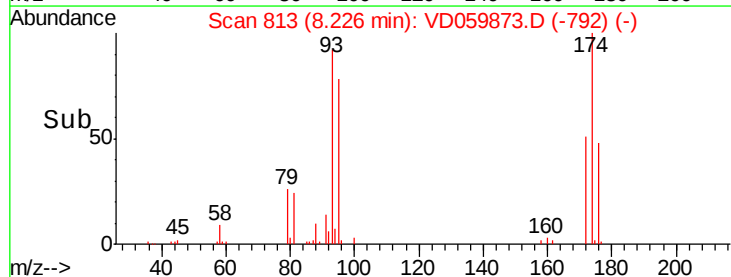
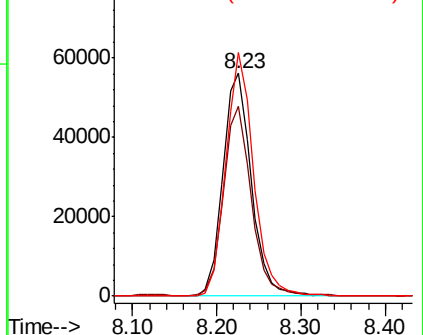
174 109.2 82.4 123.6

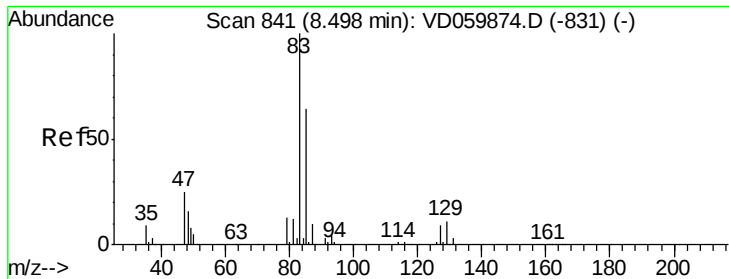


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.292 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

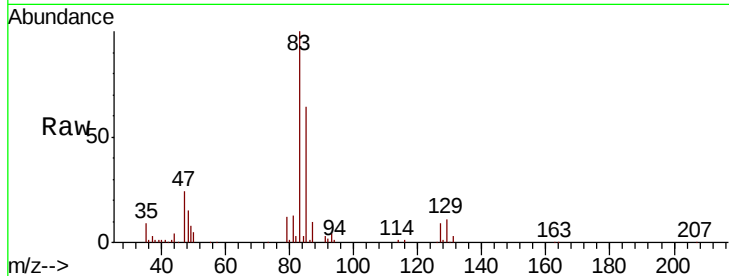
Tgt Ion: 83 Resp: 306001

Ion Ratio Lower Upper

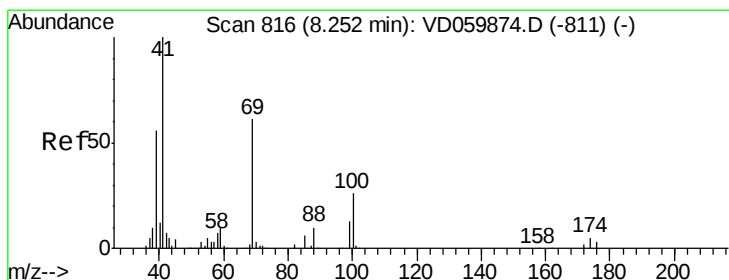
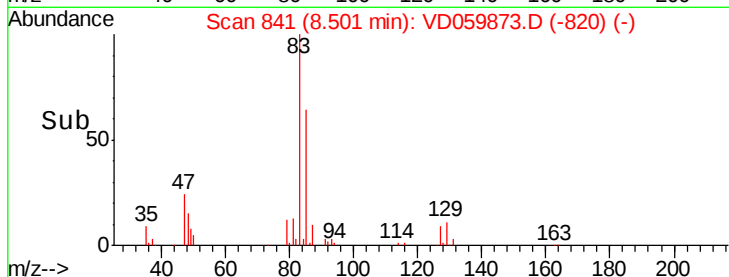
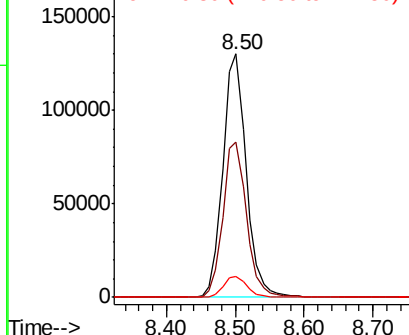
83 100

85 64.0 51.3 76.9

127 8.8 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: 18.907 ug/l

RT: 8.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

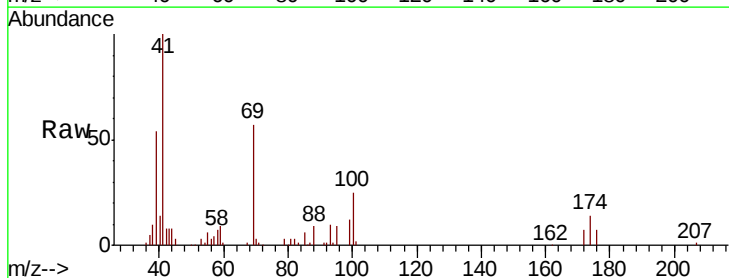
Tgt Ion: 41 Resp: 165598

Ion Ratio Lower Upper

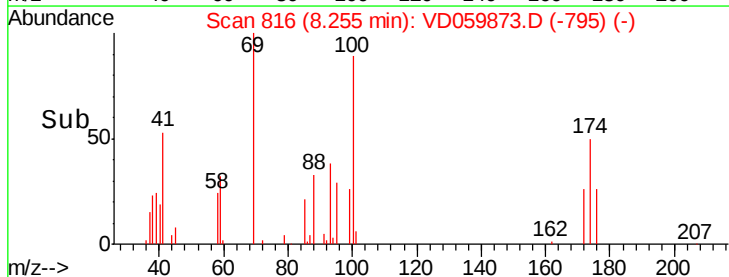
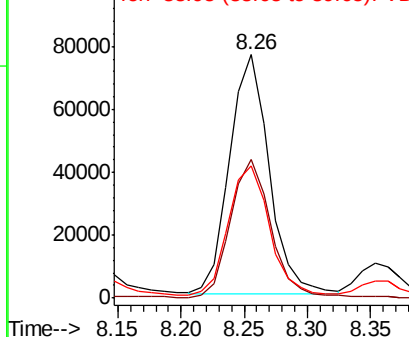
41 100

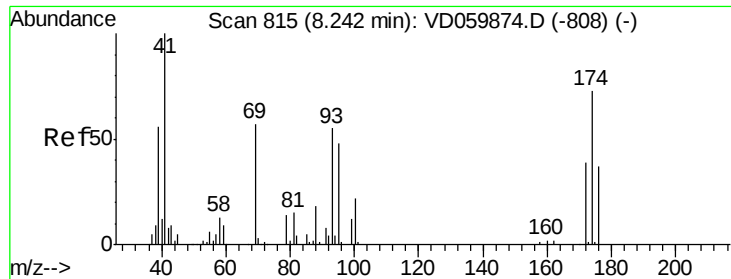
69 57.0 48.0 72.0

39 54.4 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

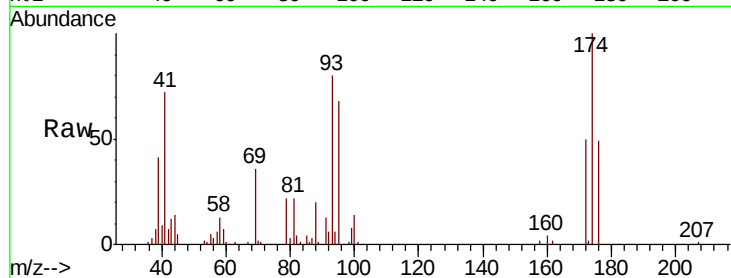




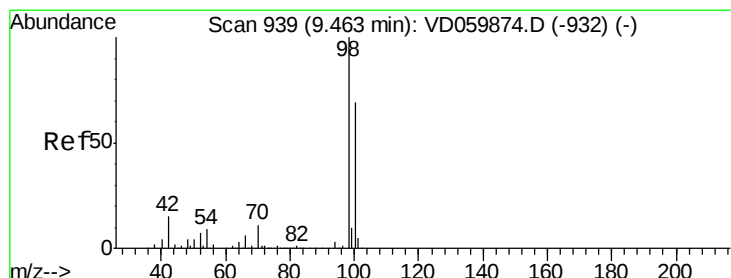
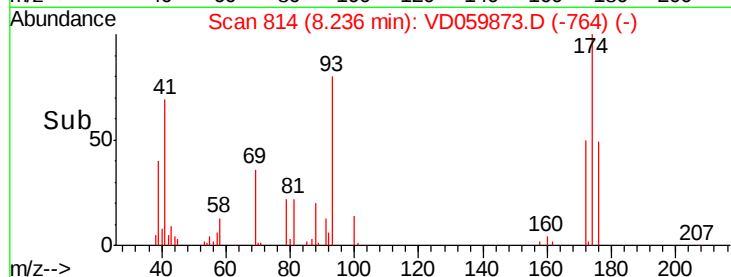
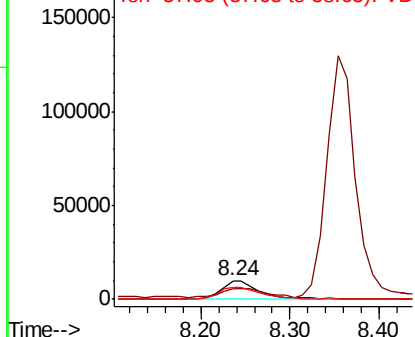
#49
1,4-Dioxane
Concen: 371.831 ug/l
RT: 8.24 min Scan# 814
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCO

Tgt Ion: 88 Resp: 29697
Ion Ratio Lower Upper
88 100
43 56.3 45.0 67.6
58 64.3 55.8 83.8

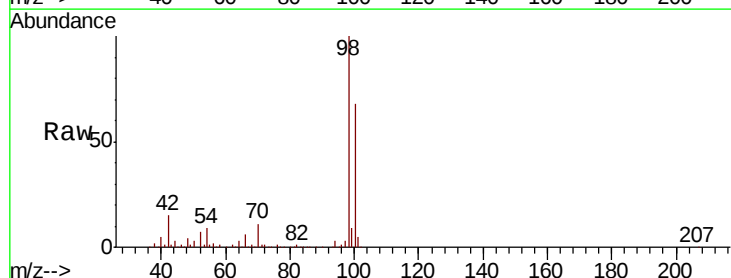


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

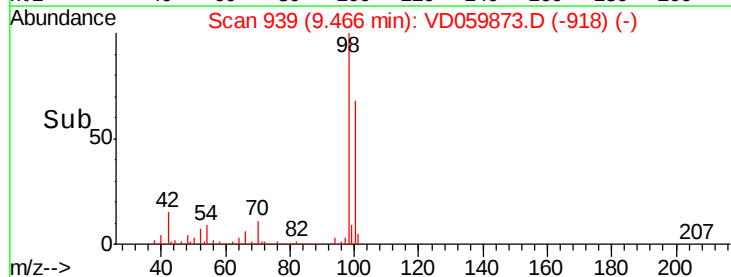
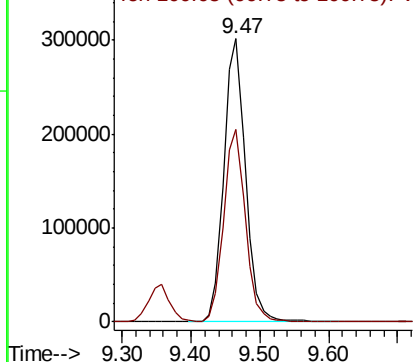


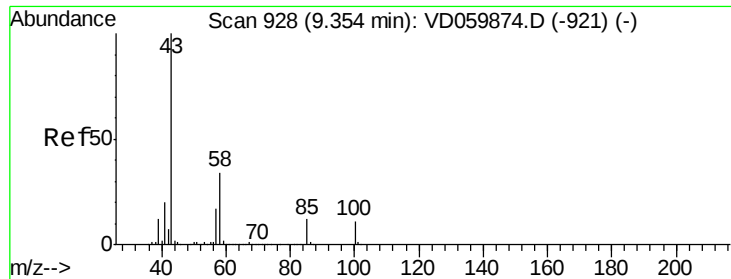
#50
Toluene-d8
Concen: 371.831 ug/l
RT: 9.47 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 98 Resp: 656655
Ion Ratio Lower Upper
98 100
100 67.8 55.8 83.6



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

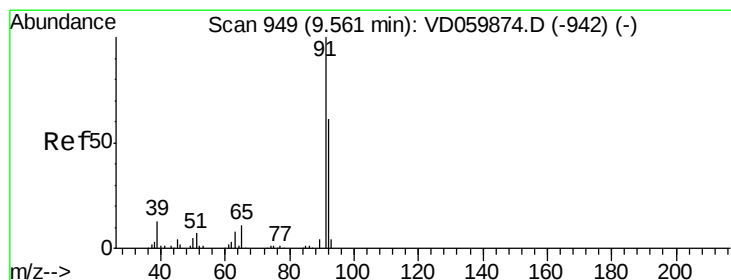
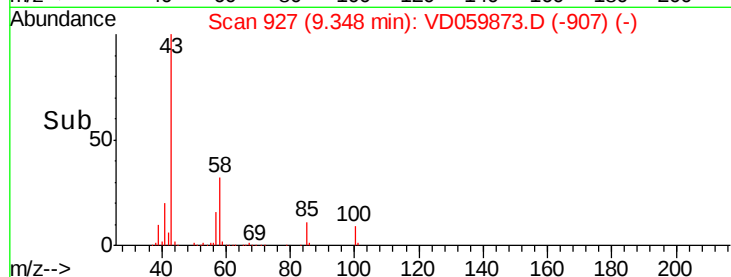
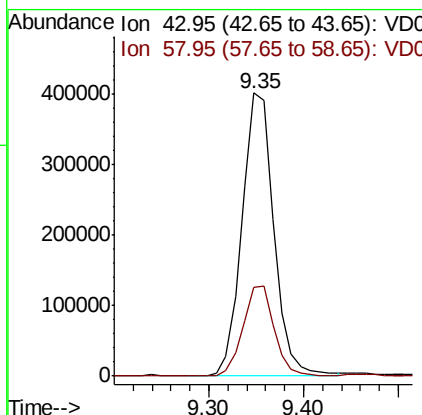
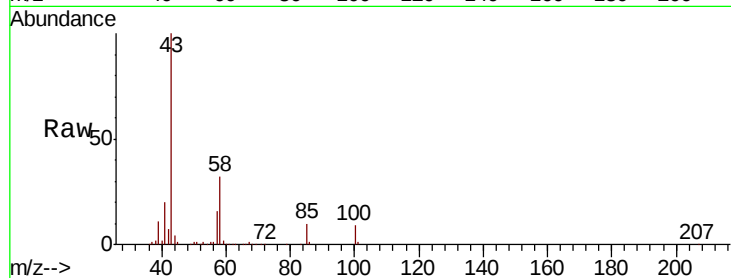




#51
 4-Methyl-2-Pentanone
 Concen: 85.545 ug/l
 RT: 9.35 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

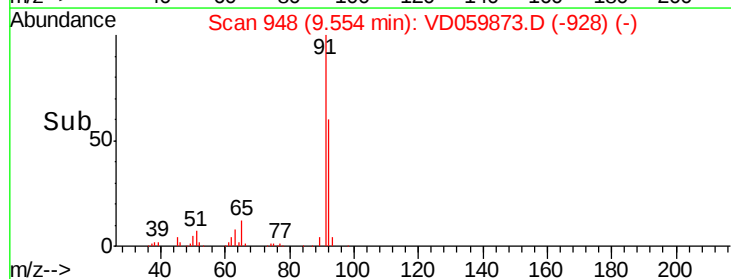
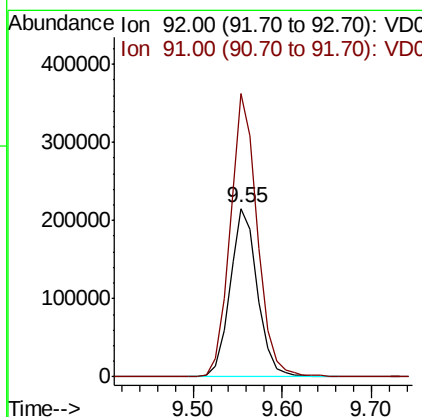
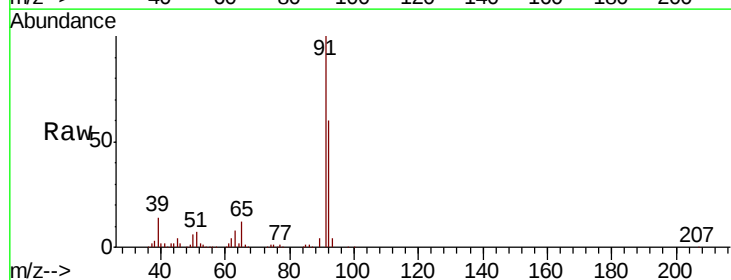
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

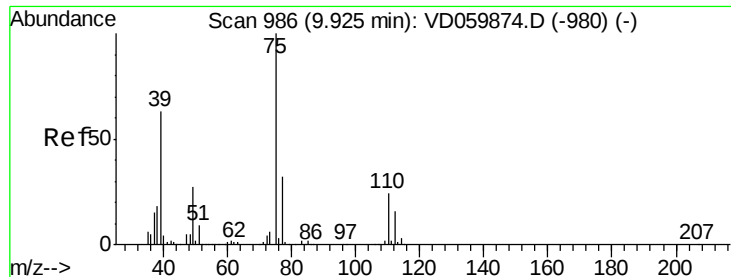
Tgt Ion: 43 Resp: 925078
 Ion Ratio Lower Upper
 43 100
 58 31.6 27.0 40.4



#52
 Toluene
 Concen: 18.614 ug/l
 RT: 9.55 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 92 Resp: 463140
 Ion Ratio Lower Upper
 92 100
 91 167.7 131.4 197.2

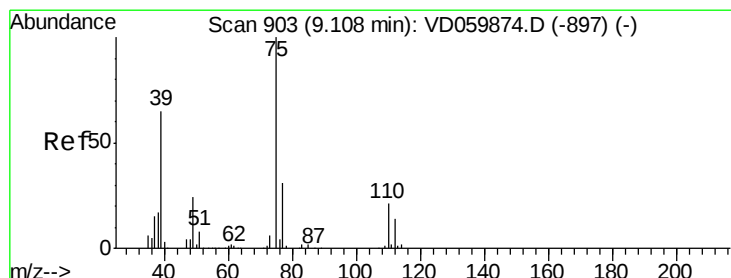
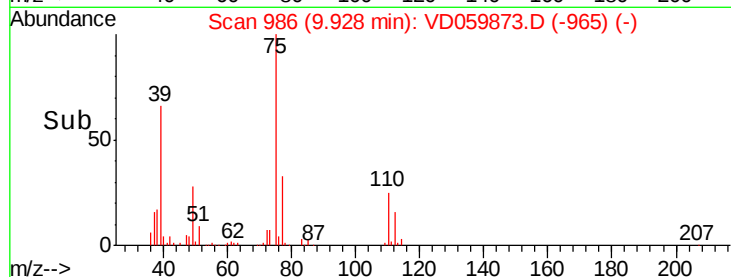
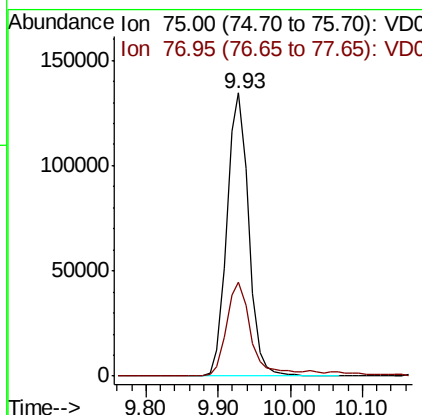
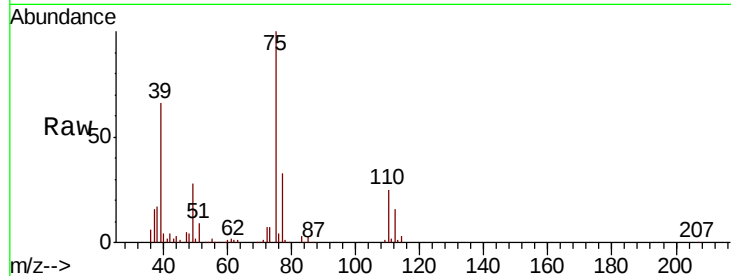




#53
 t-1,3-Dichloropropene
 Concen: 19.090 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

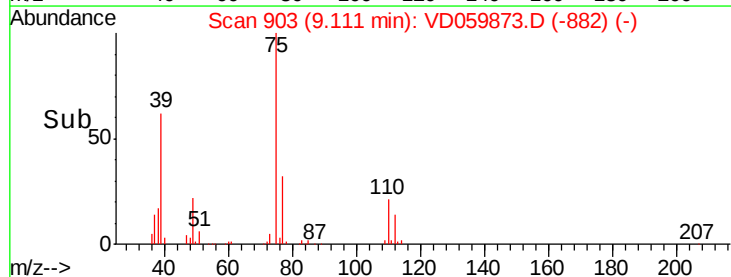
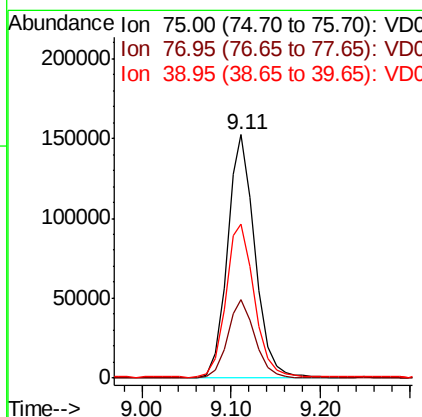
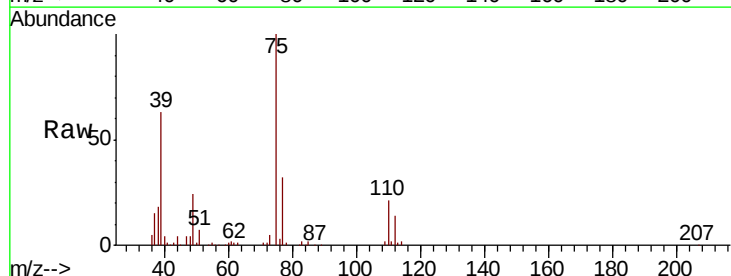
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCO

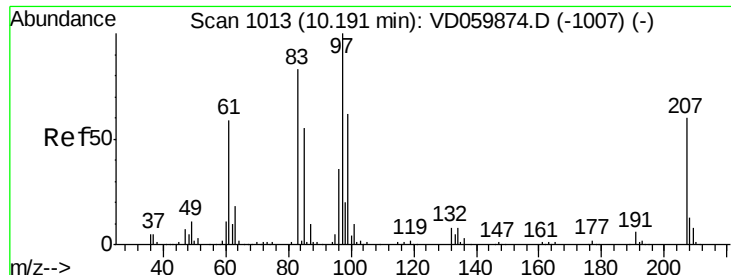
Tgt Ion: 75 Resp: 281016
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.270 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 75 Resp: 330158
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.8 37.2
 39 63.1 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 18.648 ug/l

RT: 10.19 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCO

Tgt Ion: 97 Resp: 169016

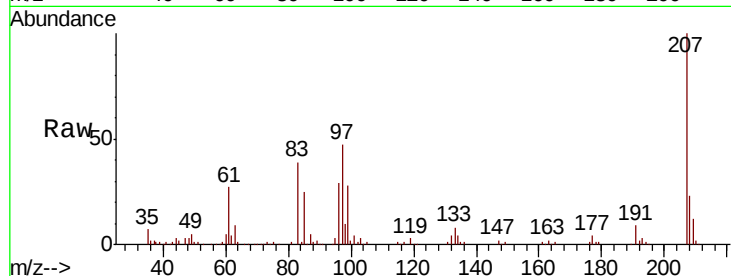
Ion Ratio Lower Upper

97 100

83 83.3 66.7 100.1

85 52.5 43.8 65.6

99 59.9 49.8 74.6

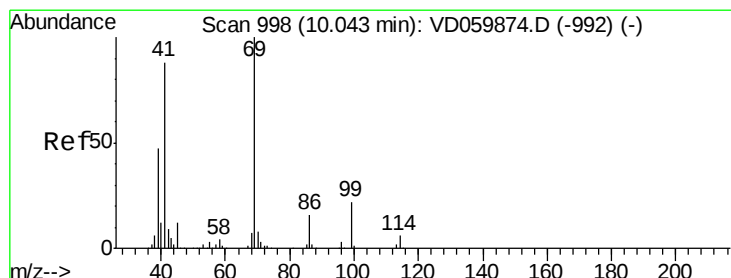
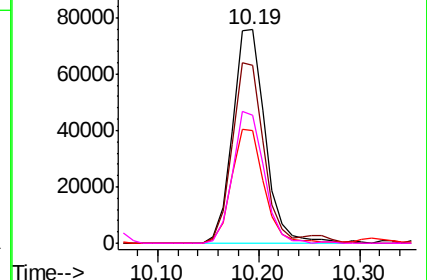
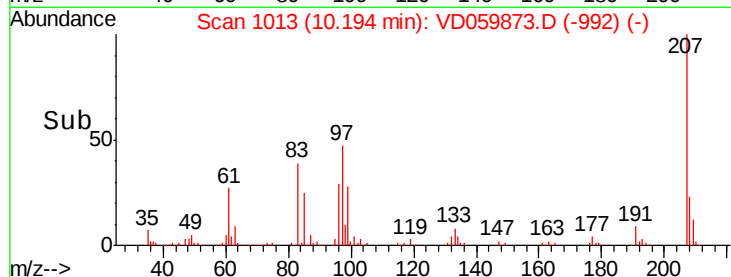


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.496 ug/l

RT: 10.04 min Scan# 997

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

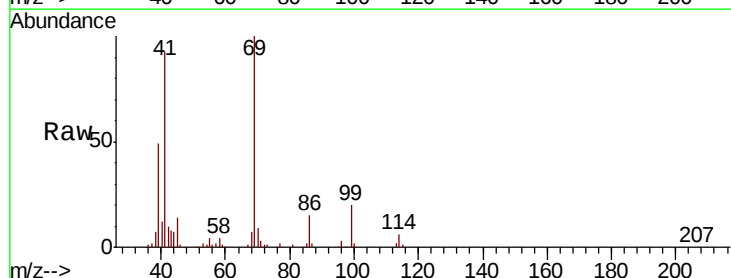
Tgt Ion: 69 Resp: 199434

Ion Ratio Lower Upper

69 100

41 93.1 71.0 106.4

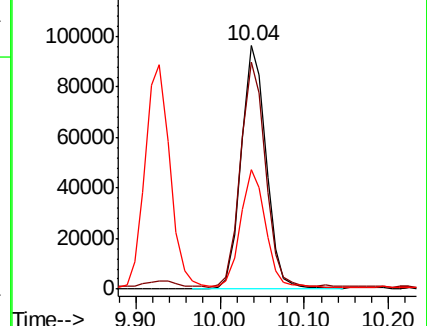
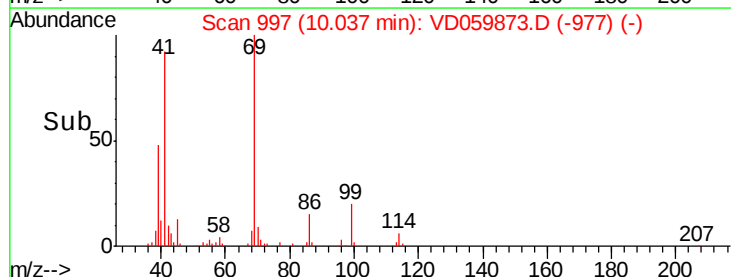
39 49.0 38.5 57.7

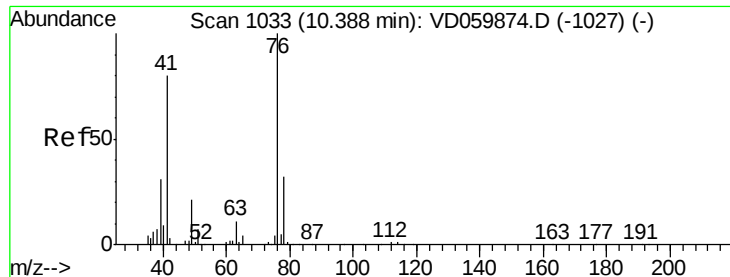


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.245 ug/l

RT: 10.39 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

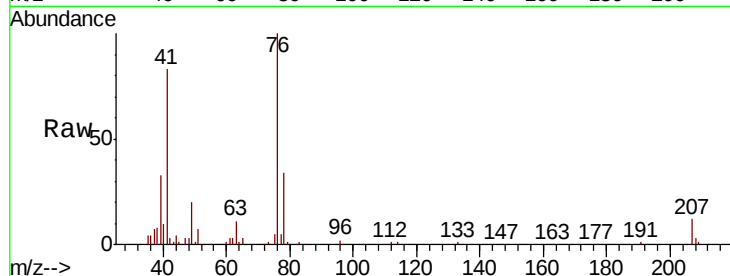
VSTDIC0

Tgt Ion: 76 Resp: 255444

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

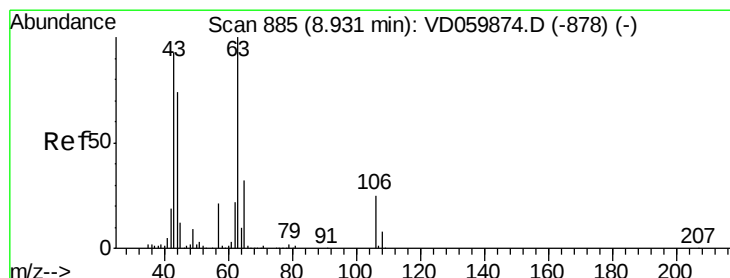
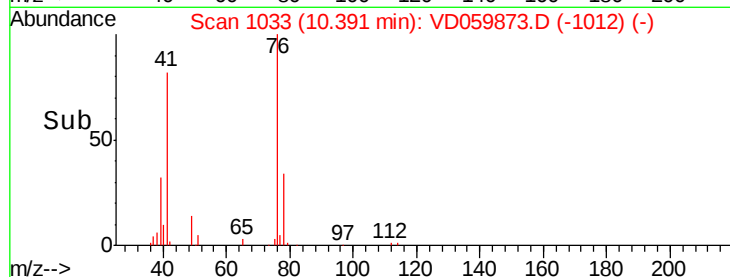
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 109.672 ug/l

RT: 8.93 min Scan# 885

Delta R.T. 0.00 min

Lab File: VD059873.D

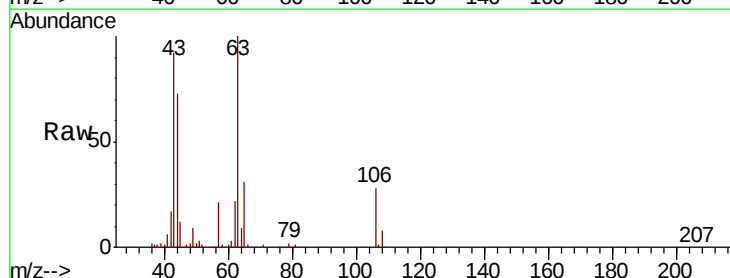
Acq: 22 Aug 2018 13:40

Tgt Ion: 63 Resp: 563533

Ion Ratio Lower Upper

63 100

106 27.9 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.93

300000

250000

200000

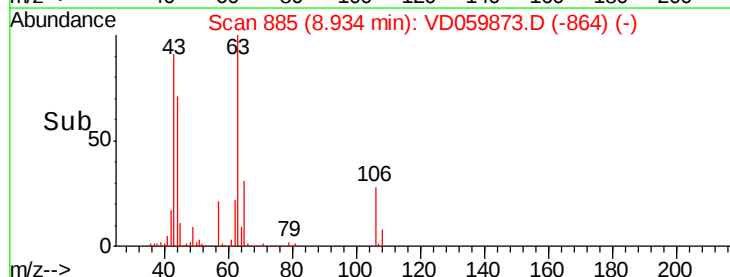
150000

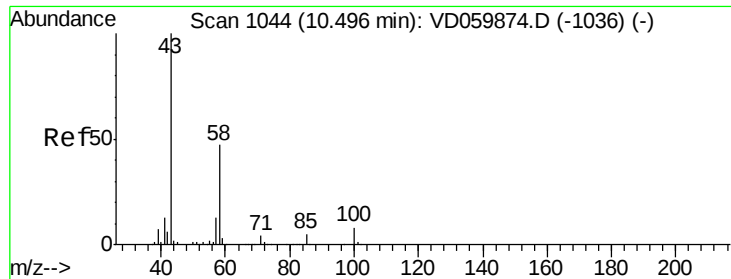
100000

50000

0

Time-->

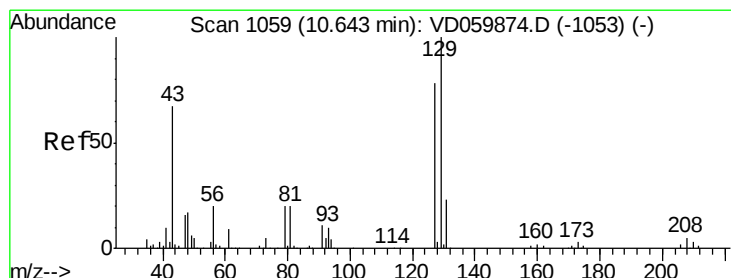
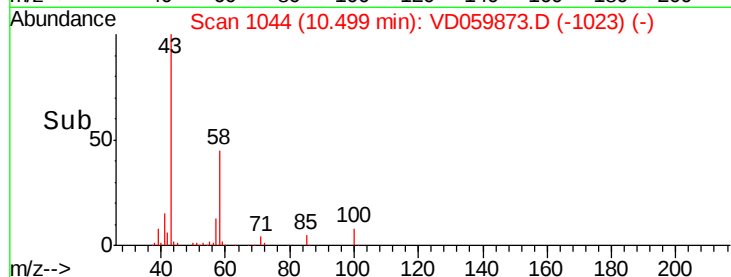
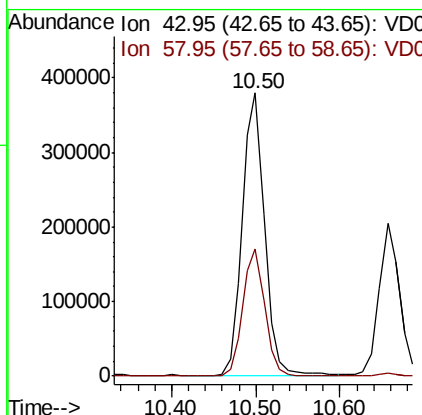
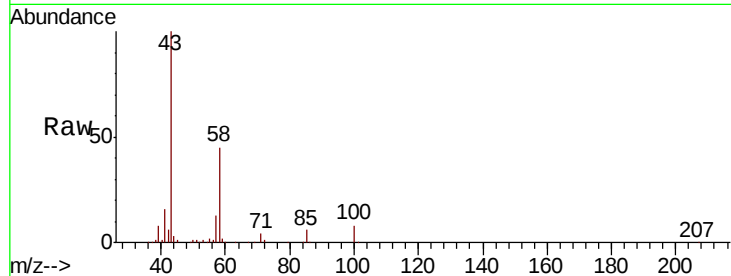




#59
2-Hexanone
Concen: 88.939 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

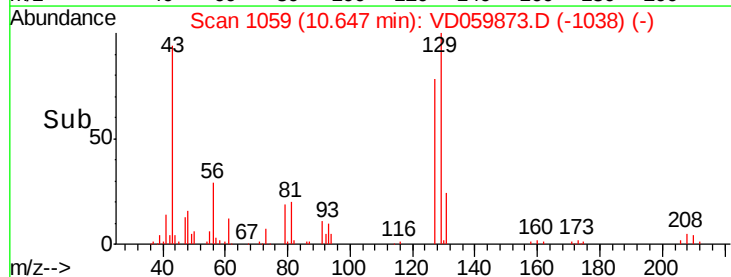
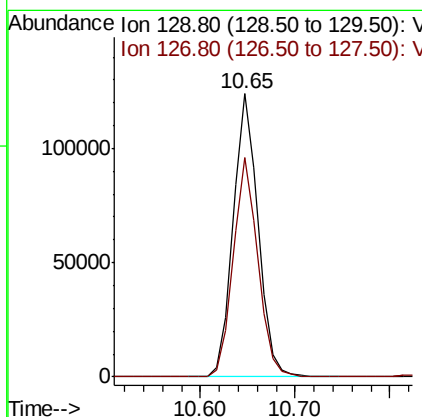
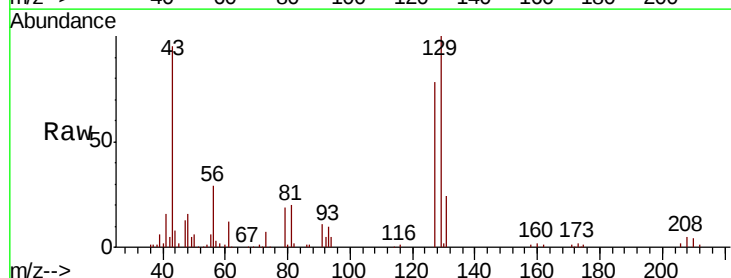
Instrument :
MSVOA_D
ClientSampled :
VSTDICCO

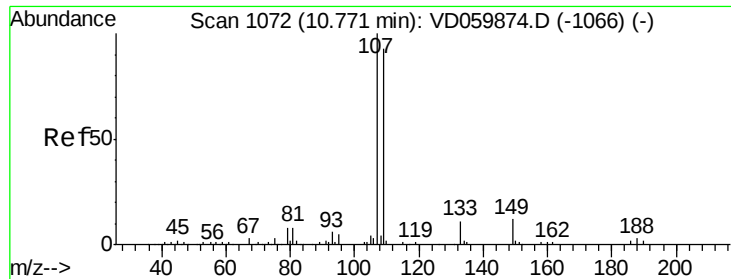
Tgt Ion: 43 Resp: 697467
Ion Ratio Lower Upper
43 100
58 45.1 23.3 69.8



#60
Dibromochloromethane
Concen: 19.548 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 129 Resp: 225636
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.576 ug/l

RT: 10.76 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

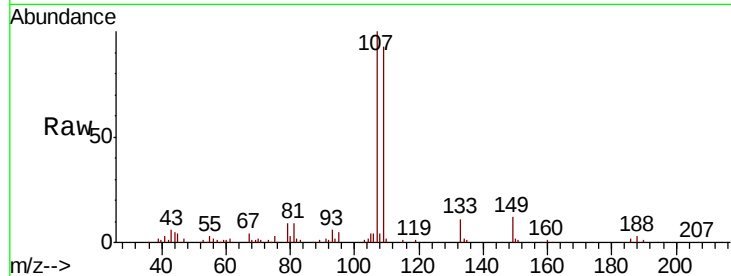
VSTDIC0

Tgt Ion: 107 Resp: 173625

Ion Ratio Lower Upper

107 100

109 93.1 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

100000

80000

60000

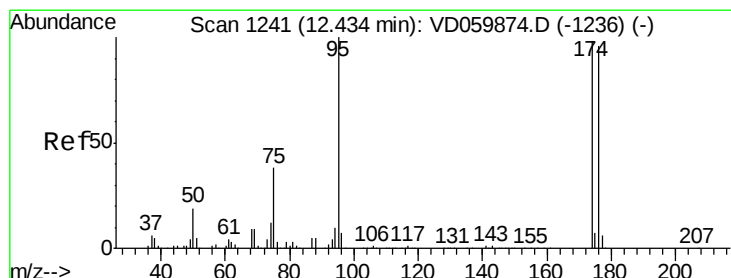
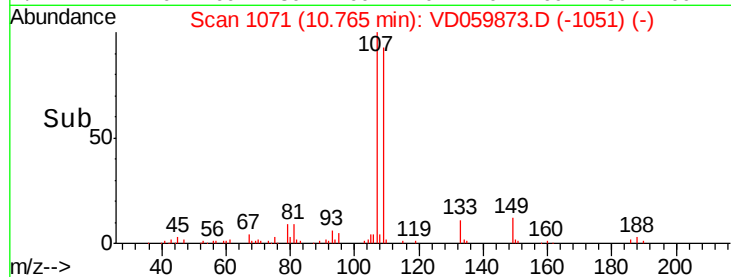
40000

20000

0

Time-->

10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 18.576 ug/l

RT: 12.43 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

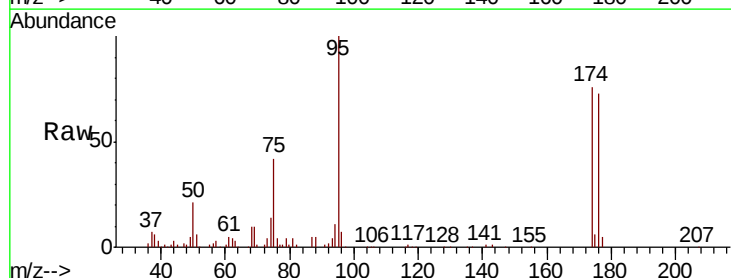
Tgt Ion: 95 Resp: 280352

Ion Ratio Lower Upper

95 100

174 75.6 0.0 195.6

176 72.9 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

250000

200000

150000

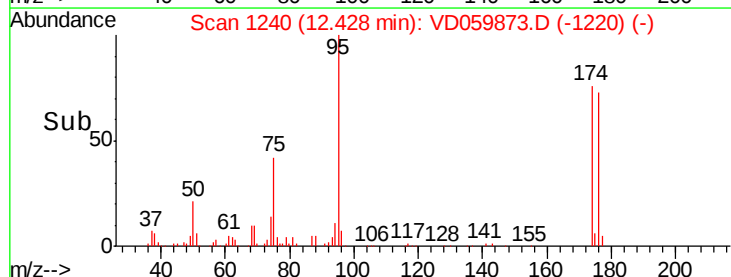
100000

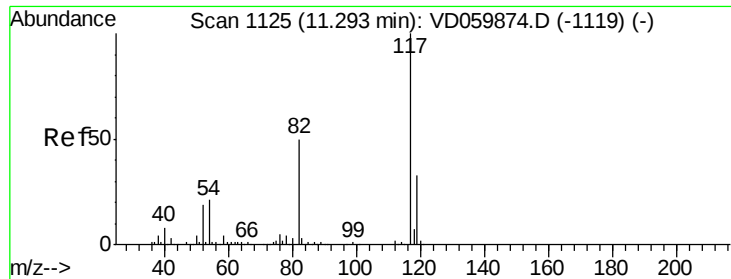
50000

0

Time-->

12.40 12.50

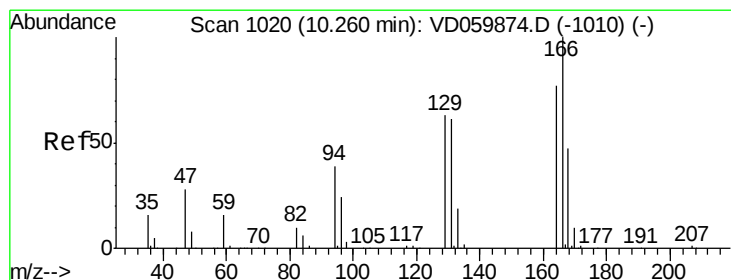
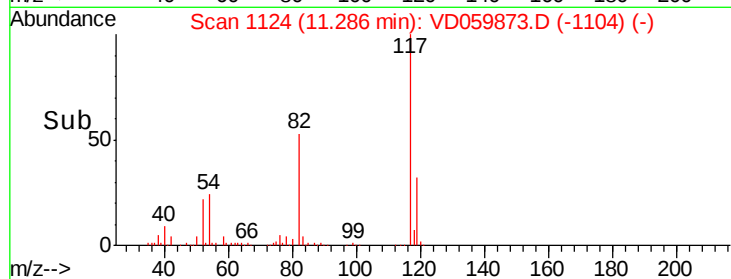
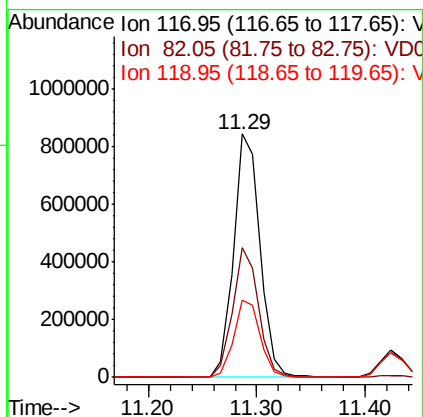
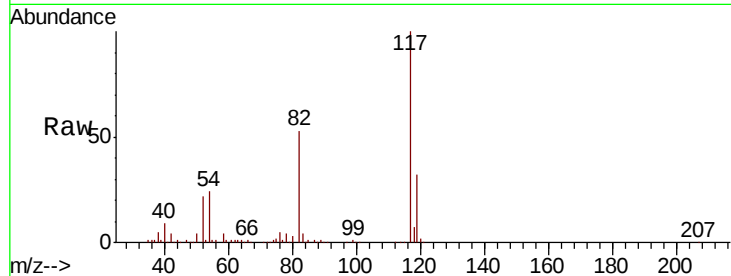




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

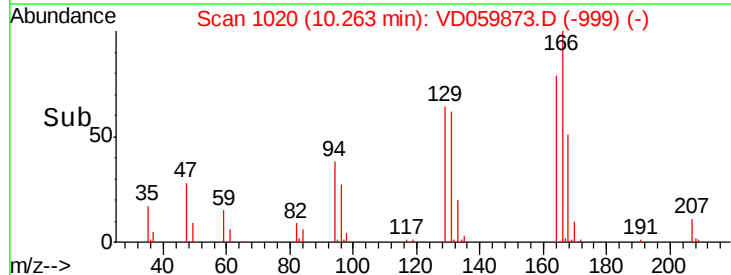
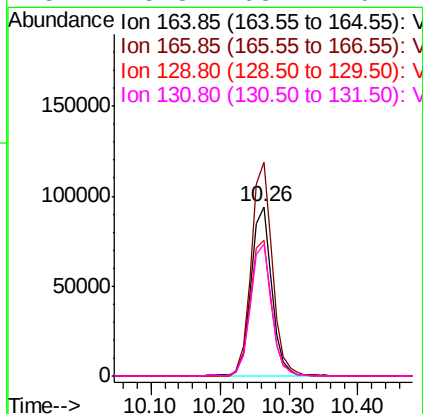
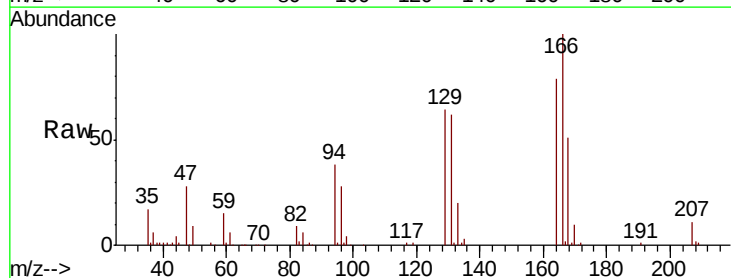
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC0

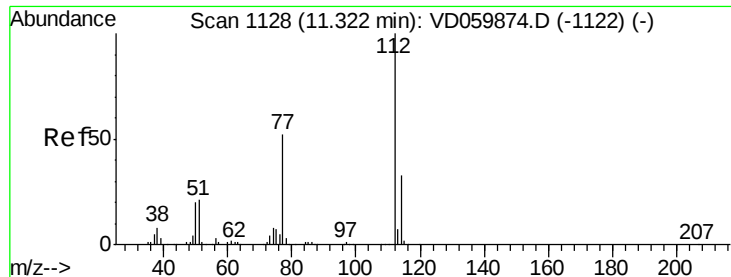
Tgt Ion:117 Resp: 1431469
Ion Ratio Lower Upper
117 100
82 53.3 40.1 60.1
119 31.9 26.7 40.1



#64
Tetrachloroethene
Concen: 18.088 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion:164 Resp: 197852
Ion Ratio Lower Upper
164 100
166 126.2 103.4 155.2
129 80.4 65.2 97.8
131 78.3 63.1 94.7

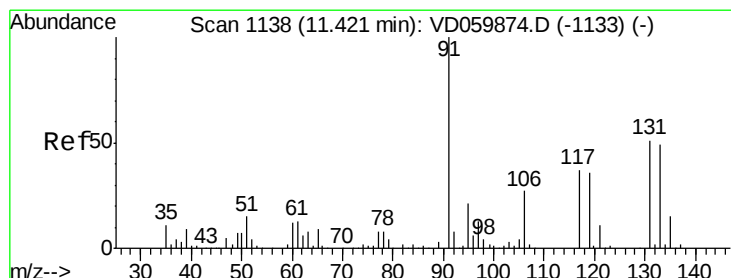
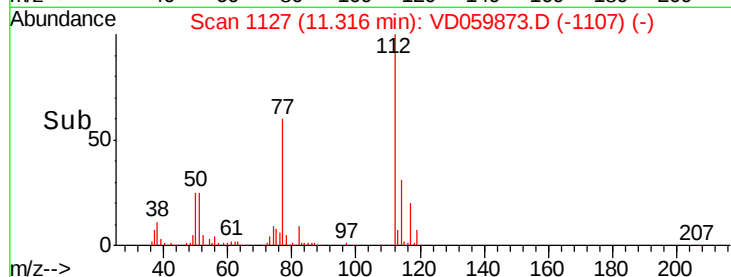
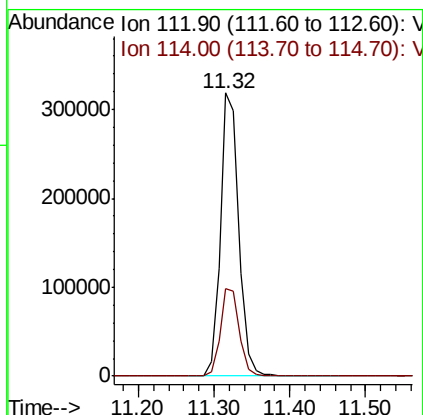
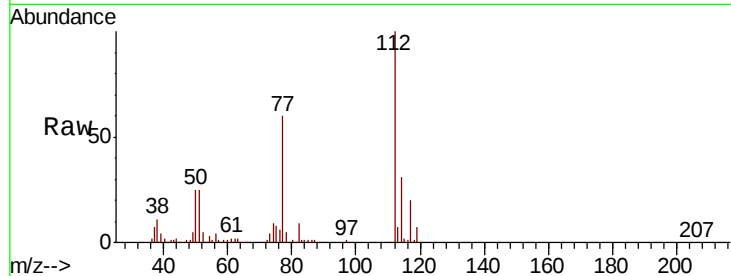




#65
Chlorobenzene
Concen: 19.156 ug/l
RT: 11.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

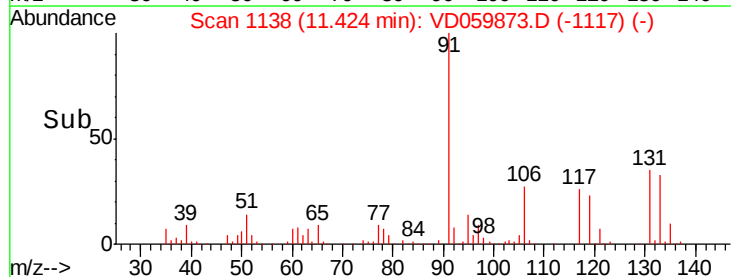
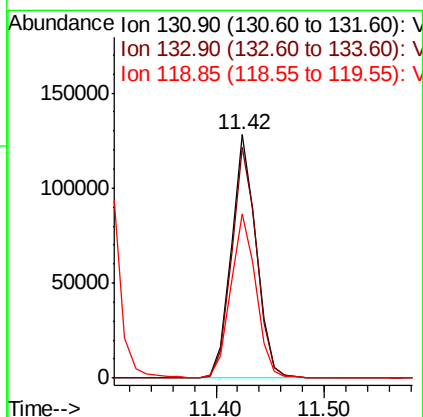
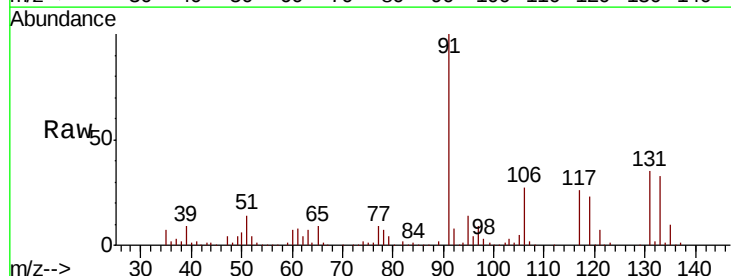
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCO

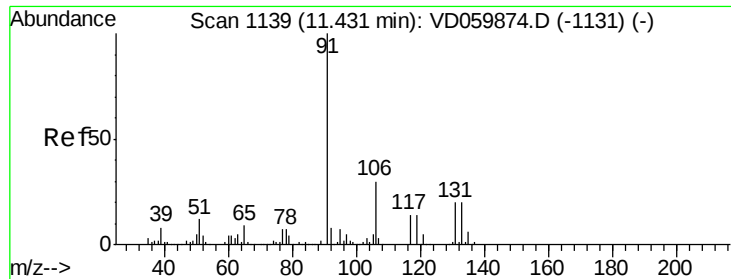
Tgt Ion:112 Resp: 537863
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.107 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion:131 Resp: 204343
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.8
119 67.3 35.4 106.3

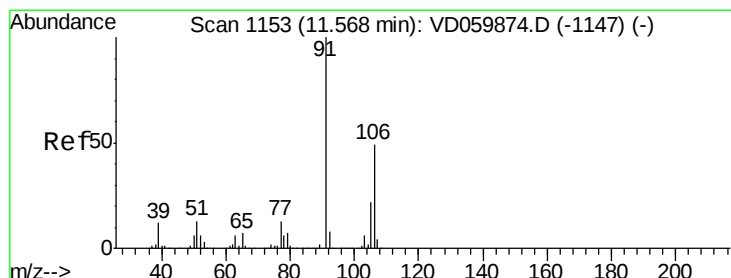
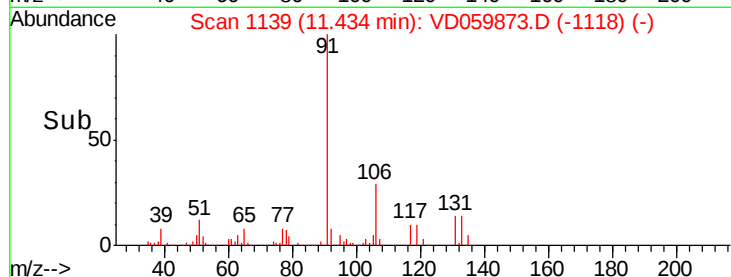
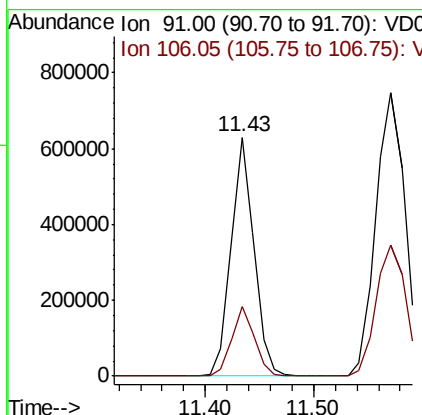
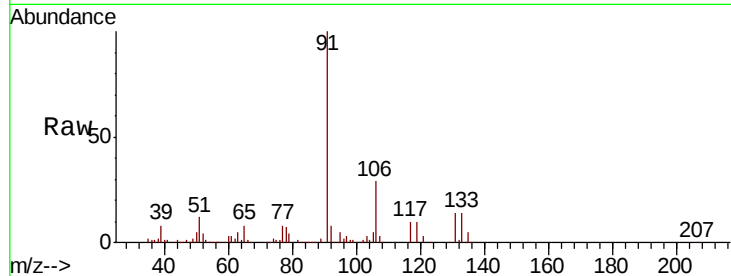




#67
Ethyl Benzene
Concen: 20.351 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

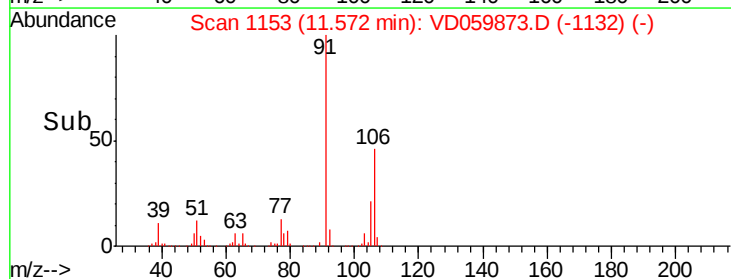
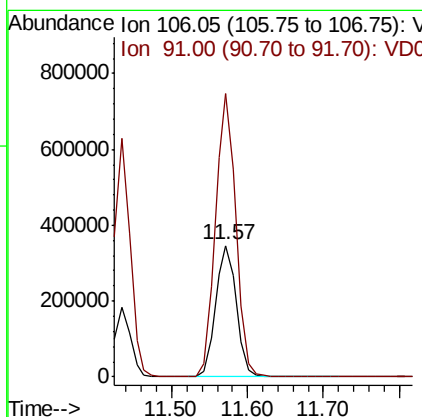
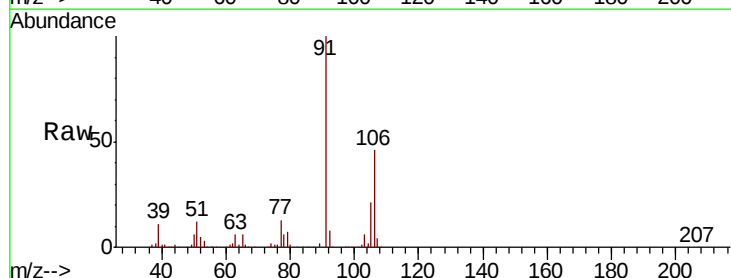
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCO

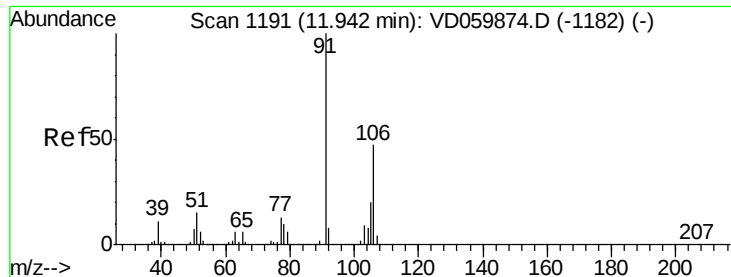
Tgt Ion: 91 Resp: 933827
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



#68
m/p-Xylenes
Concen: 40.217 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 106 Resp: 666043
Ion Ratio Lower Upper
106 100
91 215.1 162.0 243.0

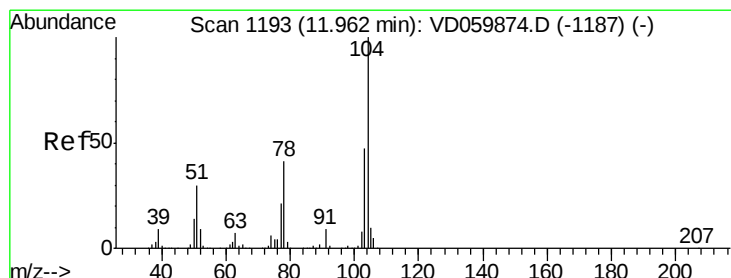
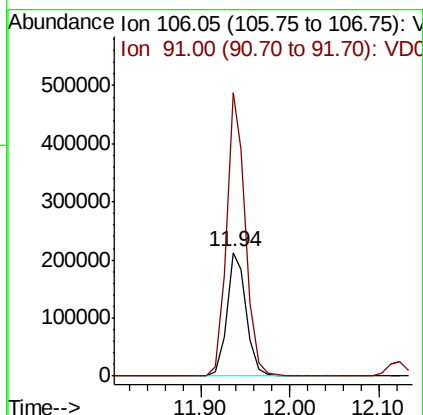
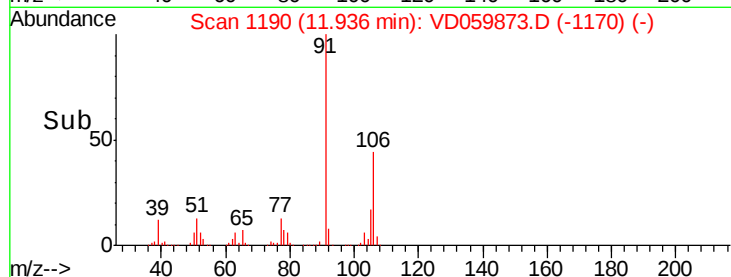
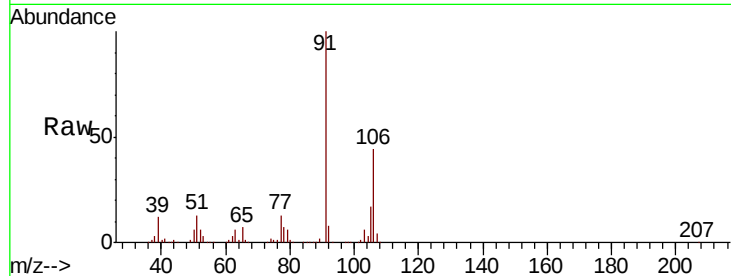




#69
o-Xylene
Concen: 19.949 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

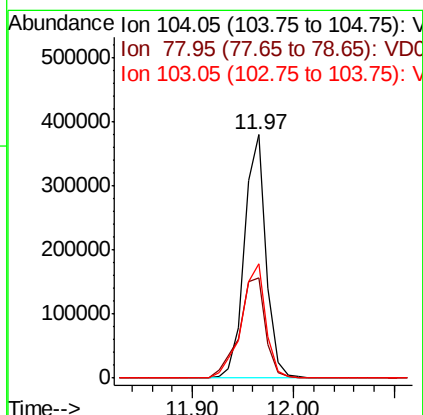
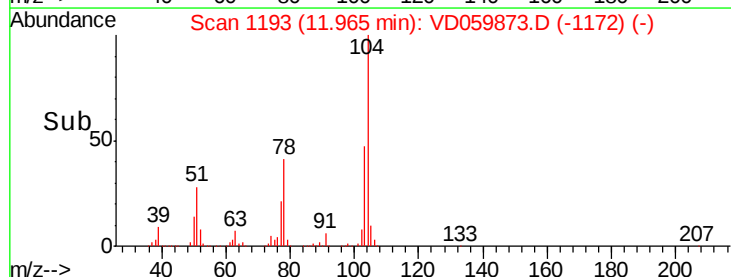
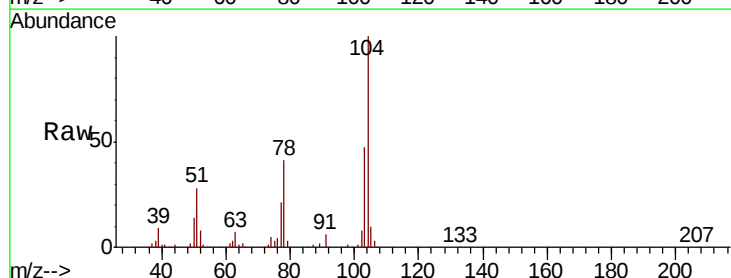
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCO

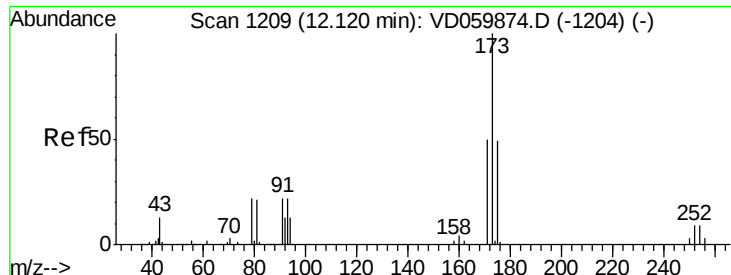
Tgt Ion:106 Resp: 324320
Ion Ratio Lower Upper
106 100
91 229.4 107.3 322.0



#70
Styrene
Concen: 20.091 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion:104 Resp: 567357
Ion Ratio Lower Upper
104 100
78 41.1 32.6 49.0
103 46.8 37.7 56.5

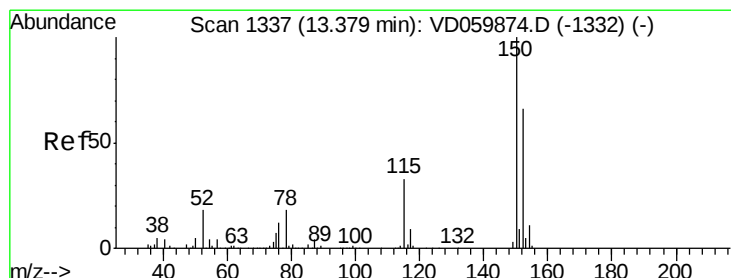
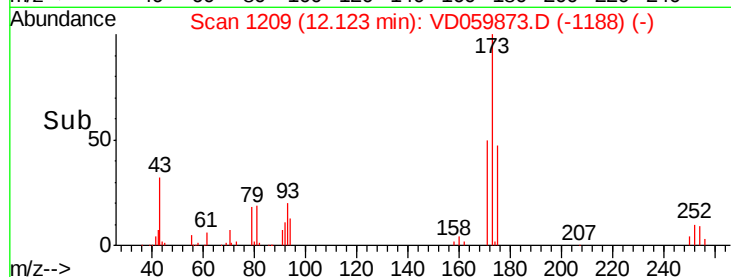
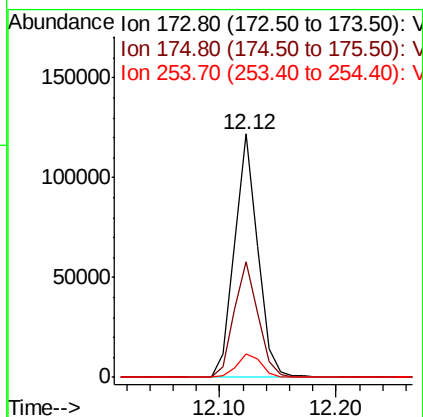
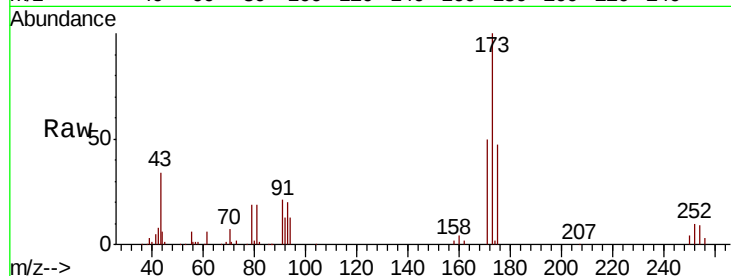




#71
Bromoform
Concen: 18.760 ug/l
RT: 12.12 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

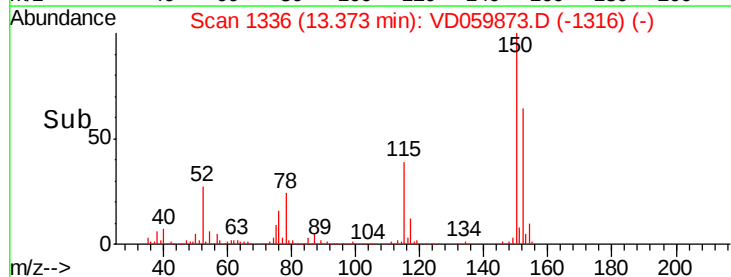
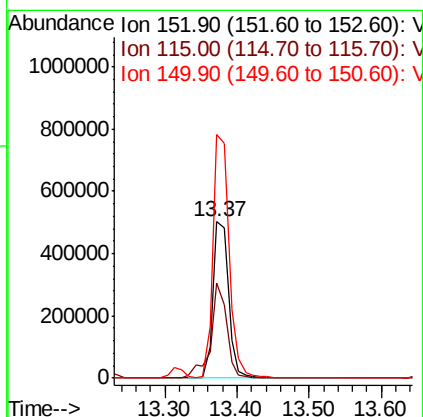
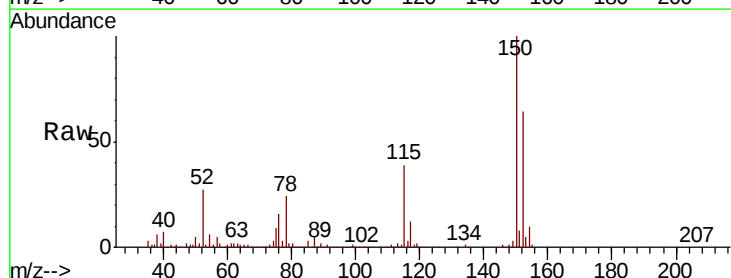
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC0

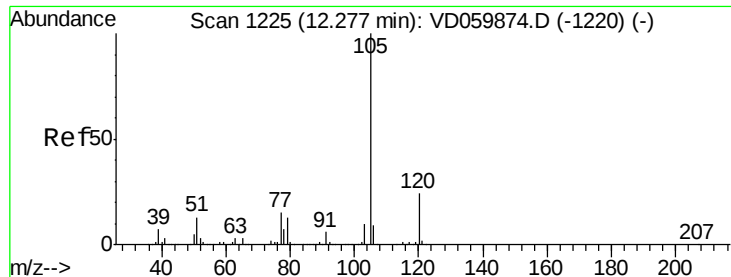
Tgt Ion:173 Resp: 169203
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 9.4 7.0 10.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion:152 Resp: 745032
Ion Ratio Lower Upper
152 100
115 60.7 25.7 77.0
150 156.0 0.0 310.2





#73

Isopropylbenzene

Concen: 19.583 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

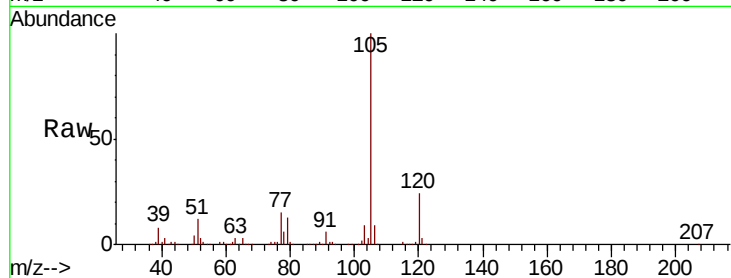
VSTDICCO

Tgt Ion:105 Resp: 920028

Ion Ratio Lower Upper

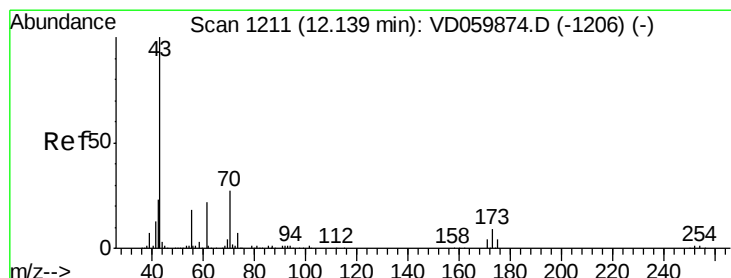
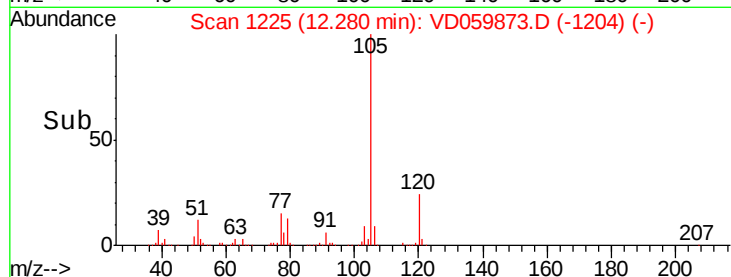
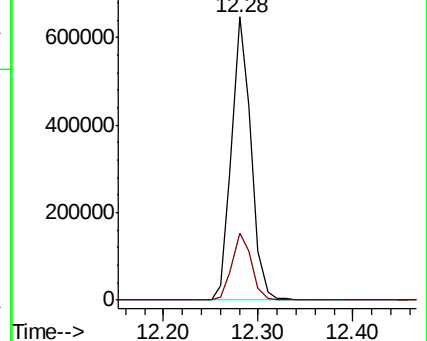
105 100

120 23.9 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.617 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Tgt Ion: 43 Resp: 390795

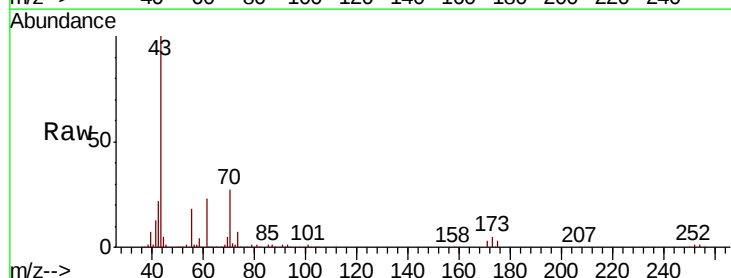
Ion Ratio Lower Upper

43 100

70 27.2 21.4 32.2

55 17.7 14.1 21.1

61 22.8 17.8 26.8

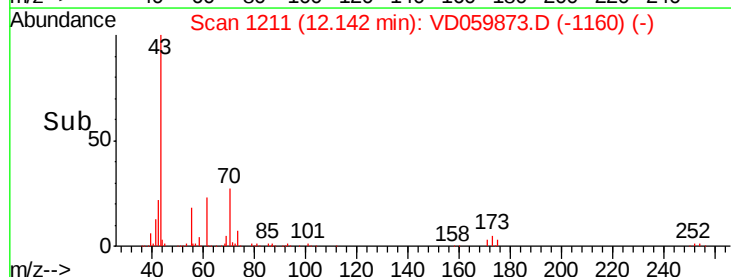
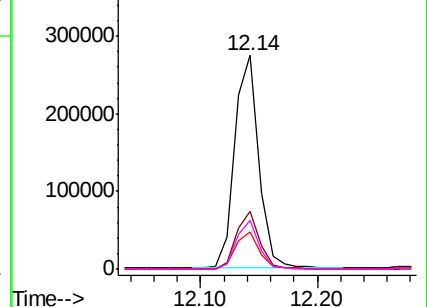


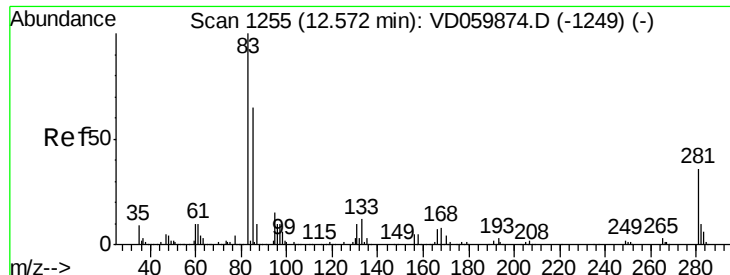
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.230 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

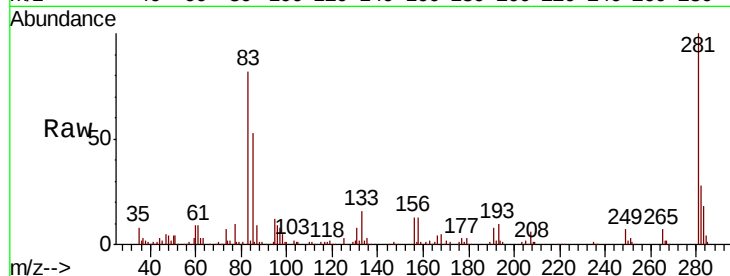
Tgt Ion: 83 Resp: 207677

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.4

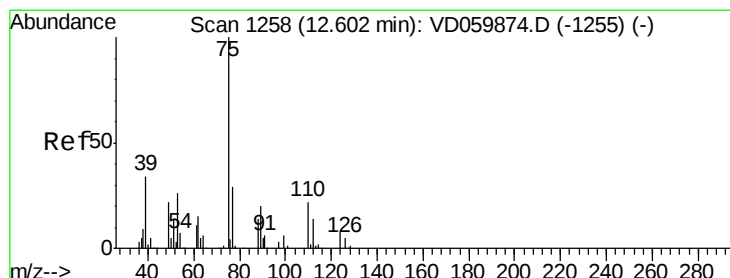
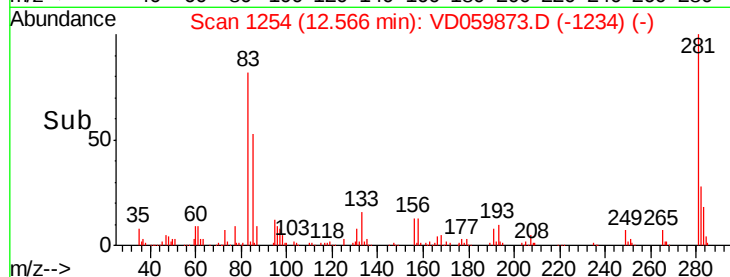
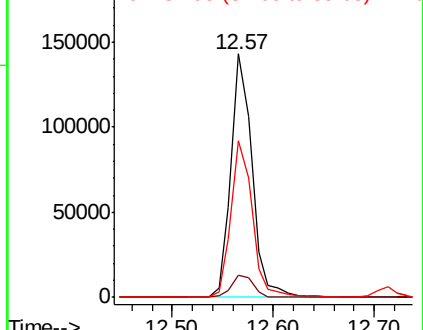
85 64.2 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 19.285 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059873.D

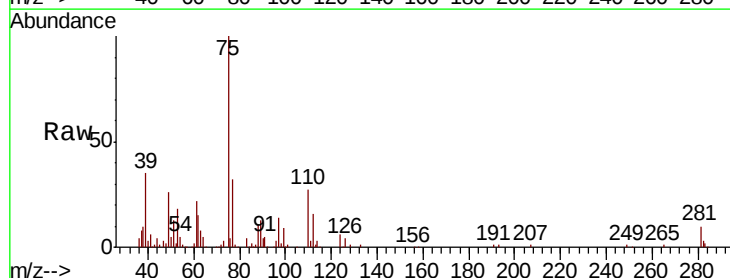
Acq: 22 Aug 2018 13:40

Tgt Ion: 75 Resp: 224241

Ion Ratio Lower Upper

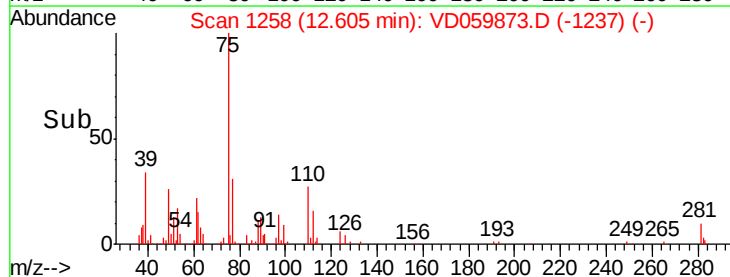
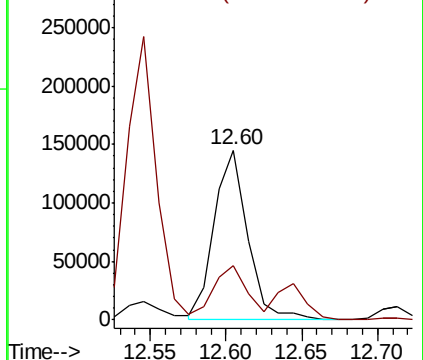
75 100

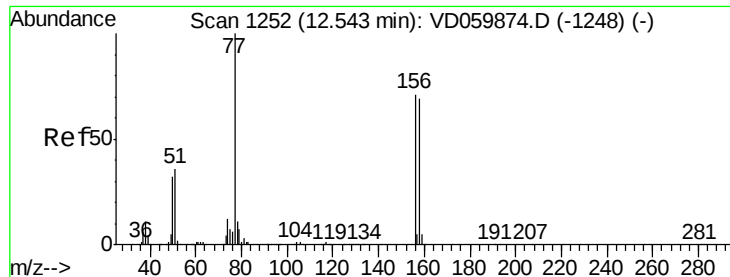
77 31.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.127 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

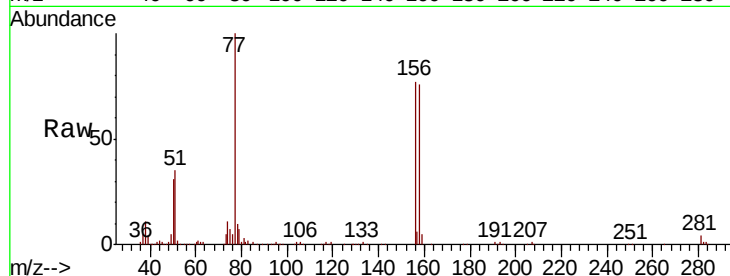
Tgt Ion: 156 Resp: 249508

Ion Ratio Lower Upper

156 100

77 129.5 70.2 210.4

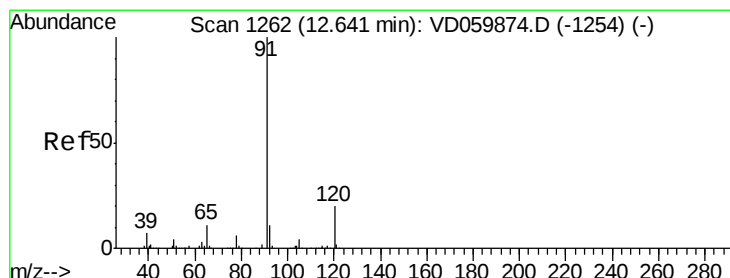
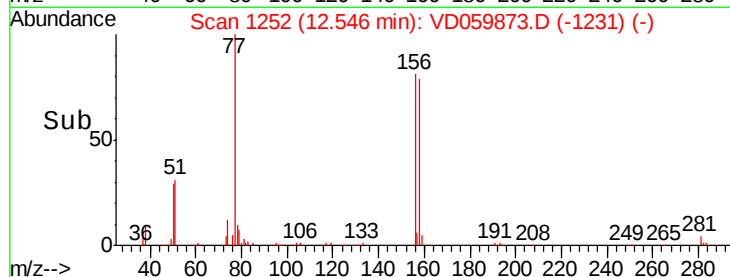
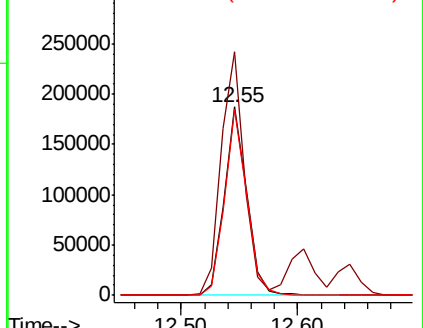
158 98.6 48.4 145.2



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: 19.735 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD059873.D

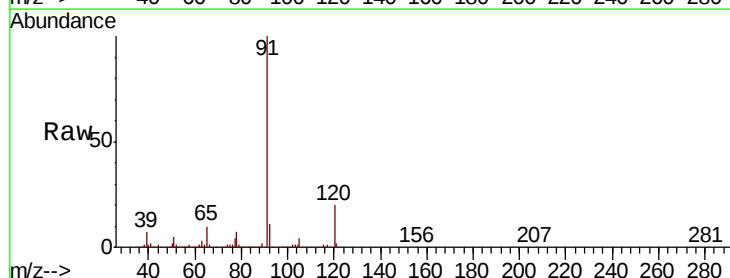
Acq: 22 Aug 2018 13:40

Tgt Ion: 91 Resp: 1152173

Ion Ratio Lower Upper

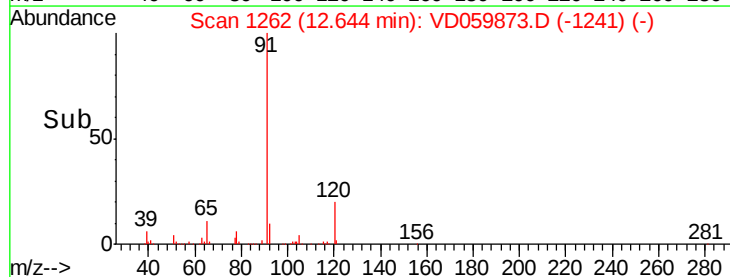
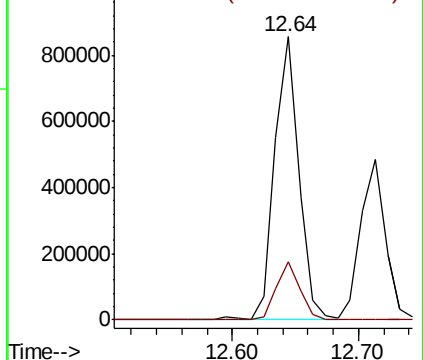
91 100

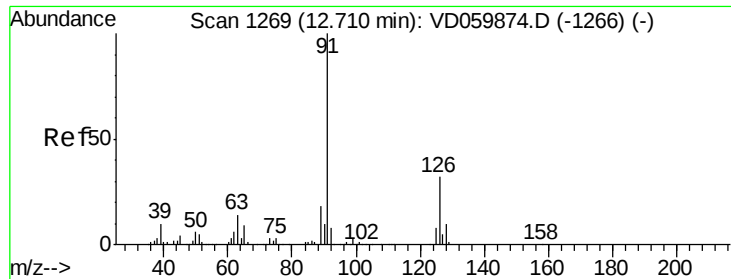
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.693 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

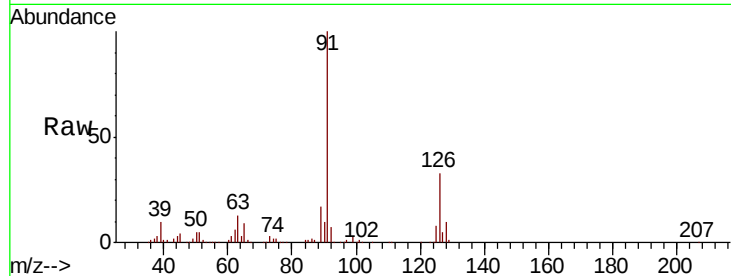
VSTDICCO

Tgt Ion: 91 Resp: 655058

Ion Ratio Lower Upper

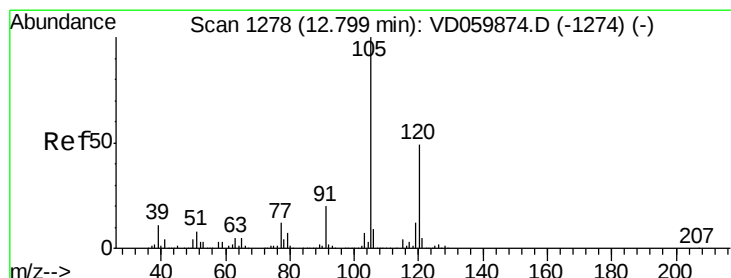
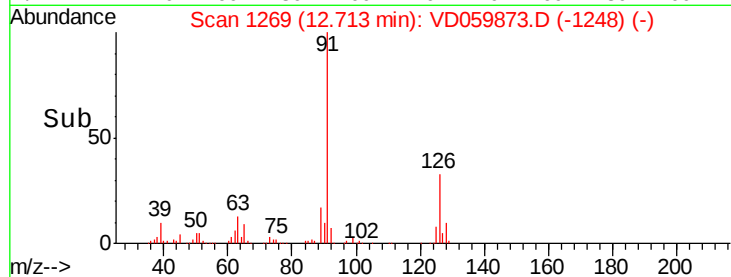
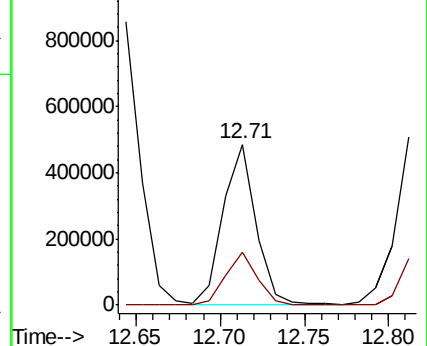
91 100

126 33.0 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: 20.148 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059873.D

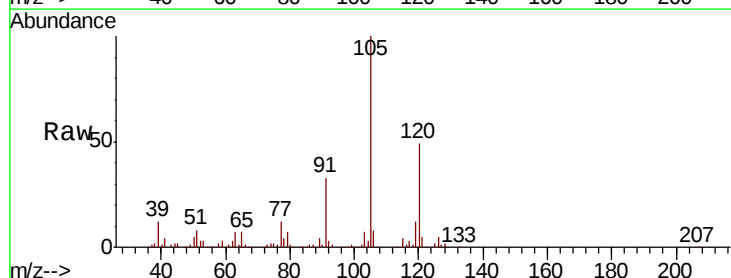
Acq: 22 Aug 2018 13:40

Tgt Ion: 105 Resp: 735672

Ion Ratio Lower Upper

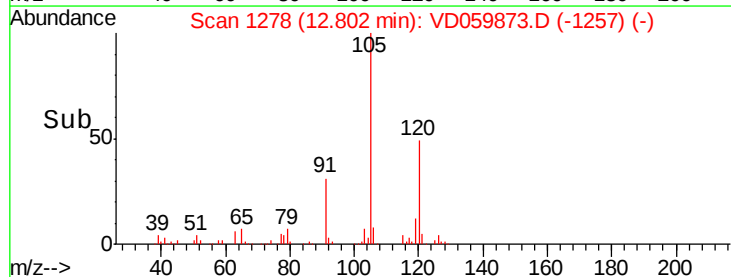
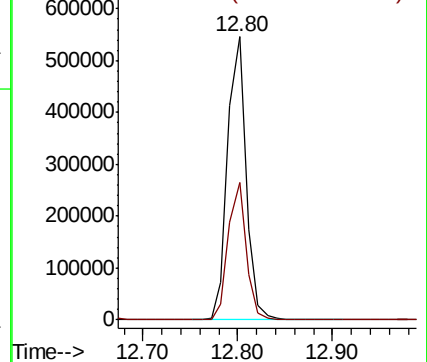
105 100

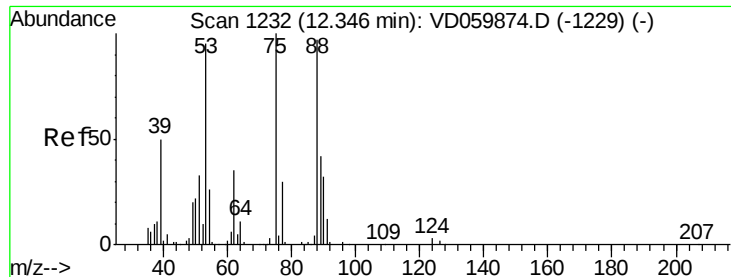
120 48.8 24.5 73.5



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: 17.465 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059873.D

Acq: 22 Aug 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC0

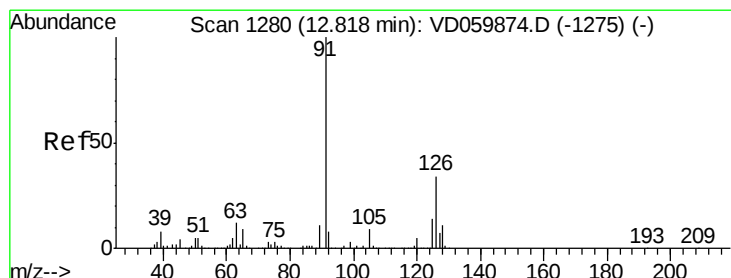
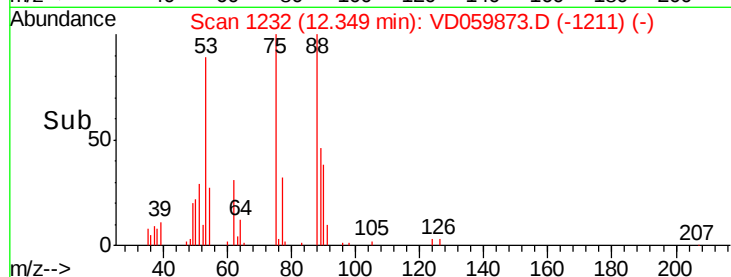
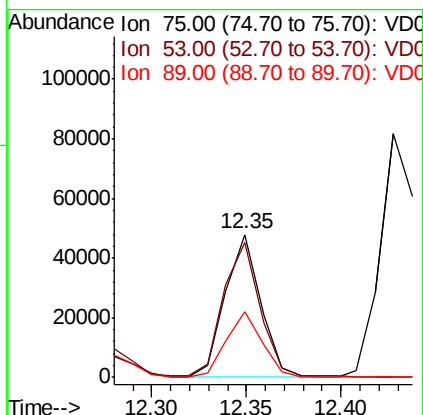
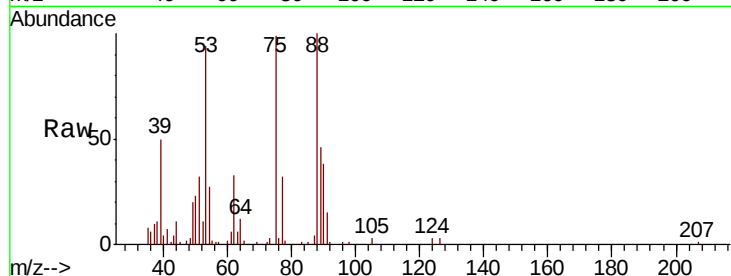
Tgt Ion: 75 Resp: 62532

Ion Ratio Lower Upper

75 100

53 94.6 75.8 113.6

89 46.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.469 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059873.D

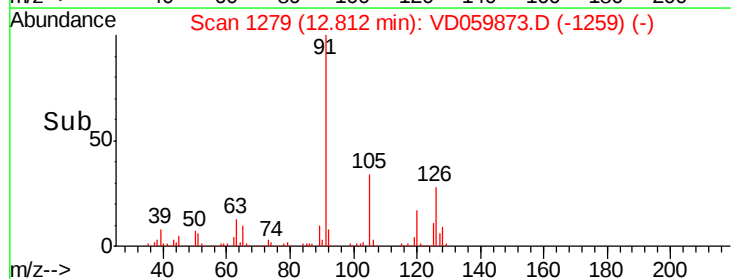
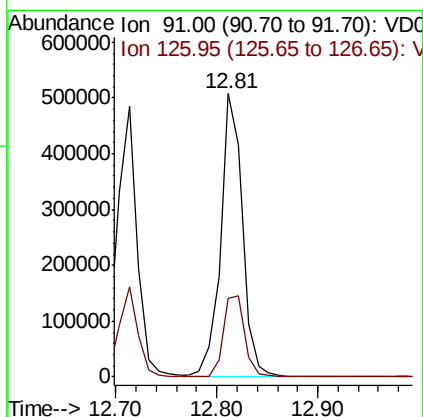
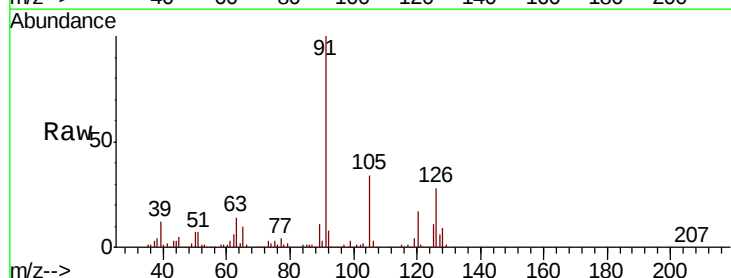
Acq: 22 Aug 2018 13:40

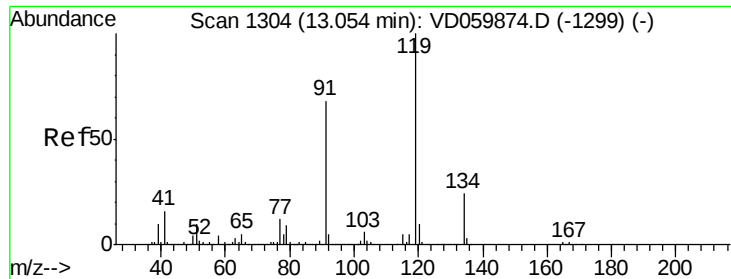
Tgt Ion: 91 Resp: 760135

Ion Ratio Lower Upper

91 100

126 27.9 17.1 51.2

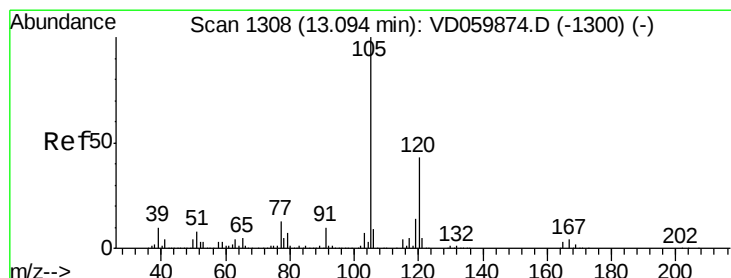
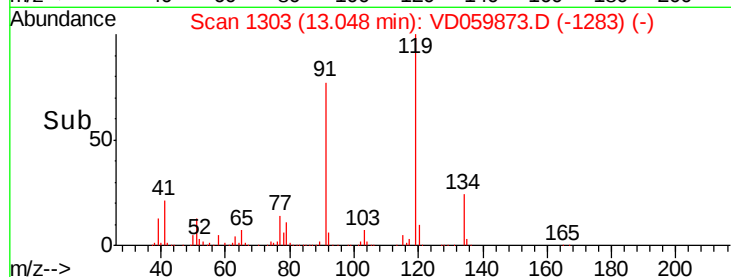
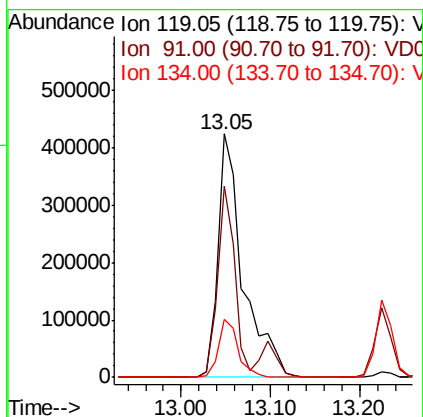
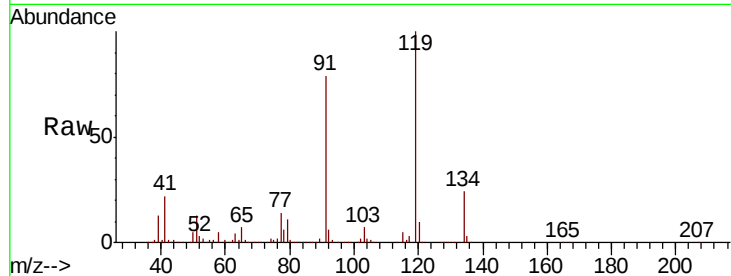




#83
 tert-Butylbenzene
 Concen: 19.656 ug/l
 RT: 13.05 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

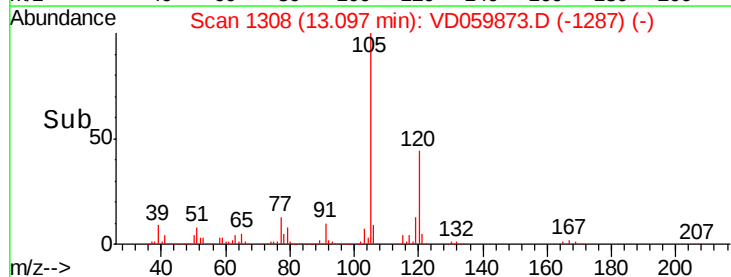
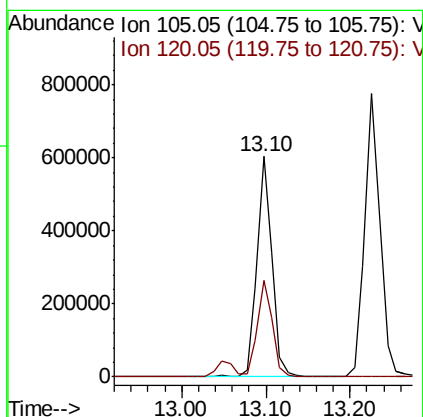
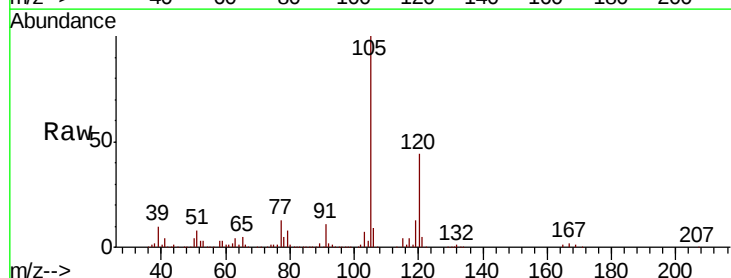
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

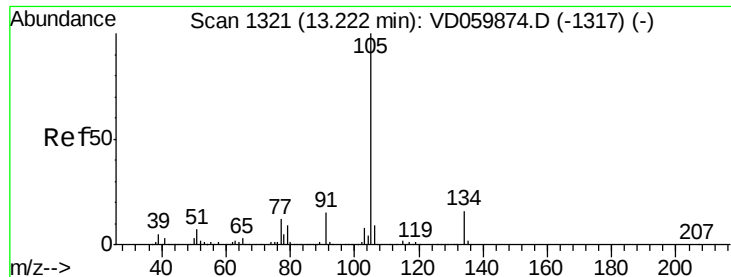
Tgt Ion:119 Resp: 834318
 Ion Ratio Lower Upper
 119 100
 91 78.5 34.3 102.9
 134 23.7 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.767 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion:105 Resp: 760414
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.8 65.3

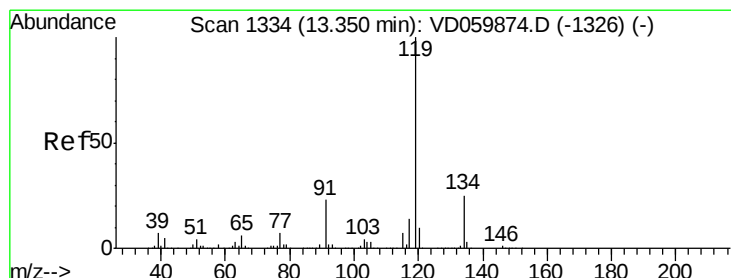
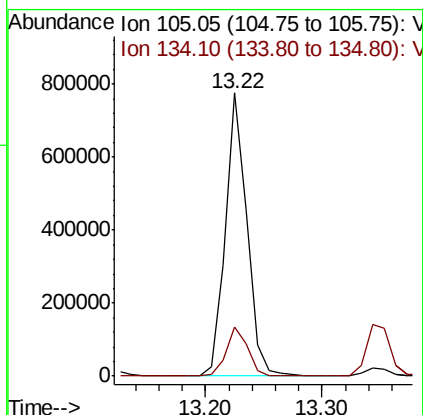
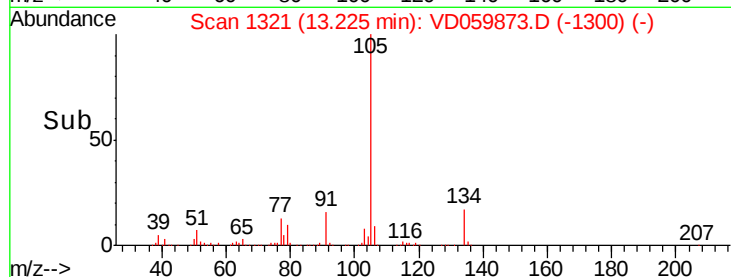
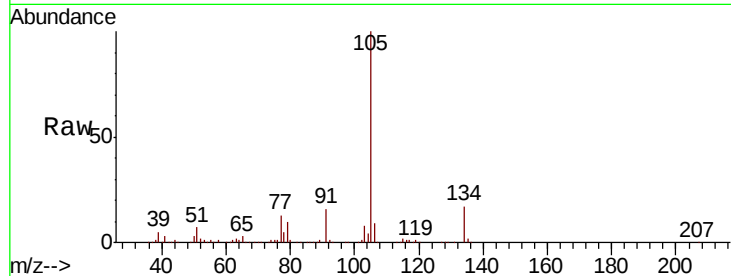




#85
 sec-Butylbenzene
 Concen: 19.817 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

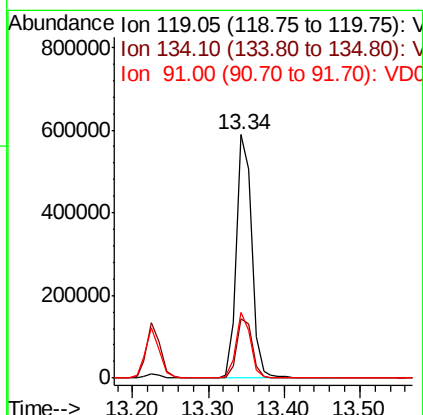
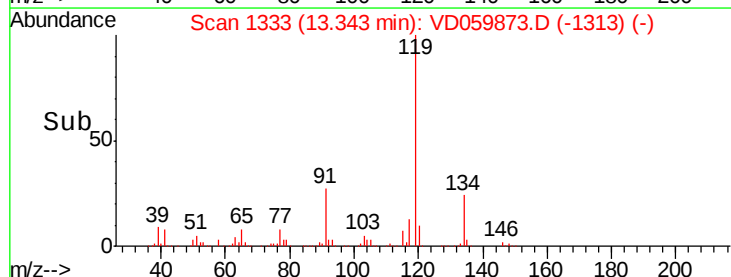
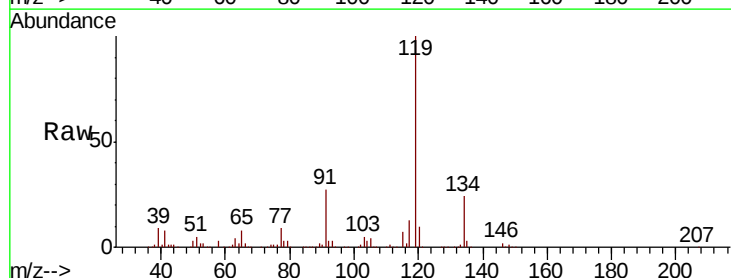
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

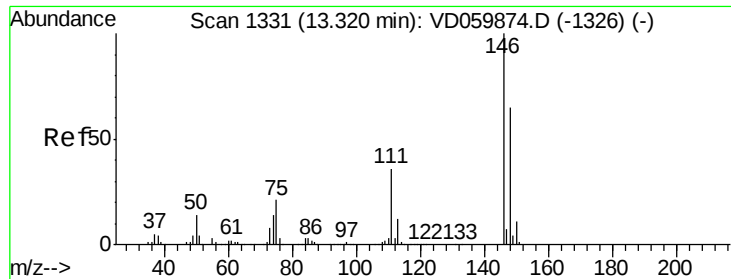
Tgt Ion:105 Resp: 985450
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.103 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion:119 Resp: 808705
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.7 38.1
 91 26.9 11.7 35.0

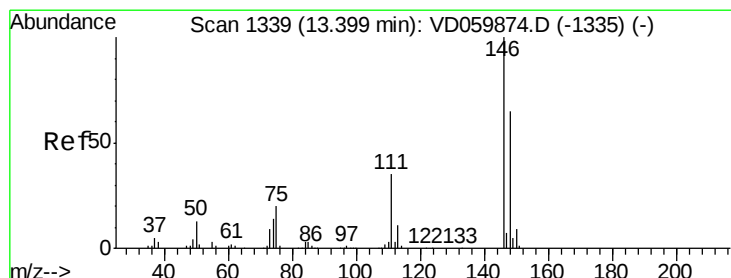
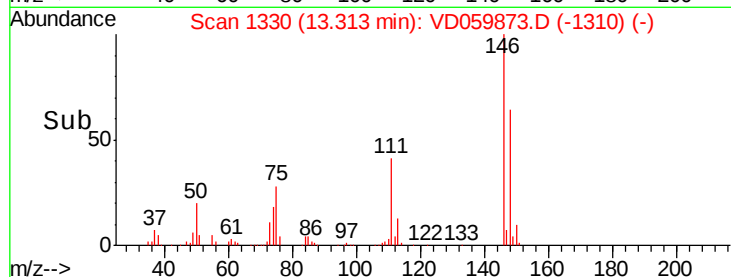
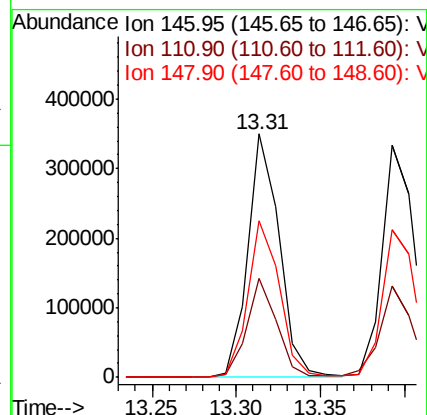
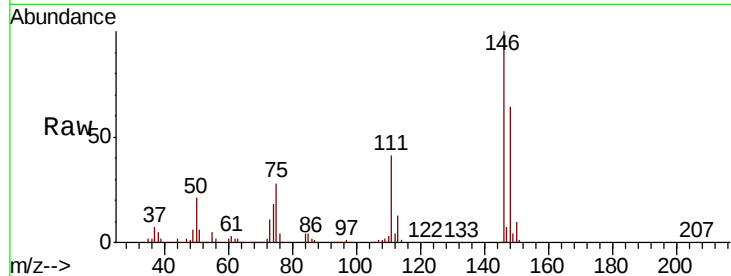




#87
 1,3-Dichlorobenzene
 Concen: 19.610 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

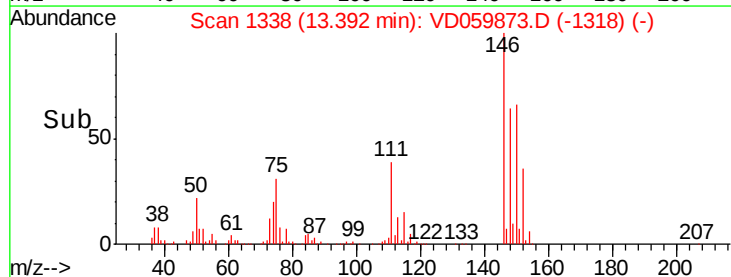
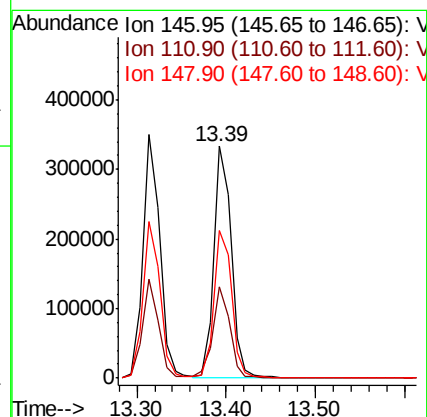
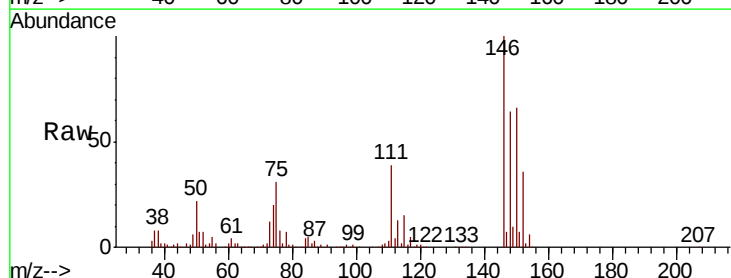
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

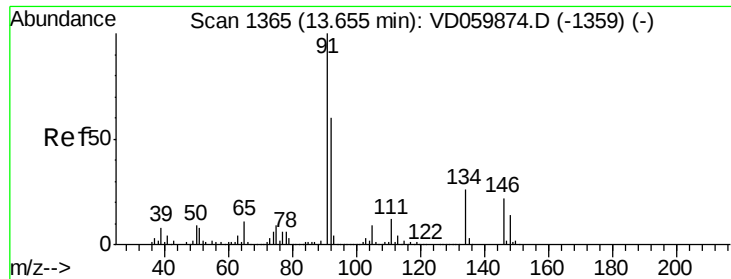
Tgt Ion:146 Resp: 454016
 Ion Ratio Lower Upper
 146 100
 111 40.9 17.9 53.7
 148 64.5 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 19.431 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion:146 Resp: 448706
 Ion Ratio Lower Upper
 146 100
 111 39.2 17.5 52.6
 148 63.9 32.5 97.5

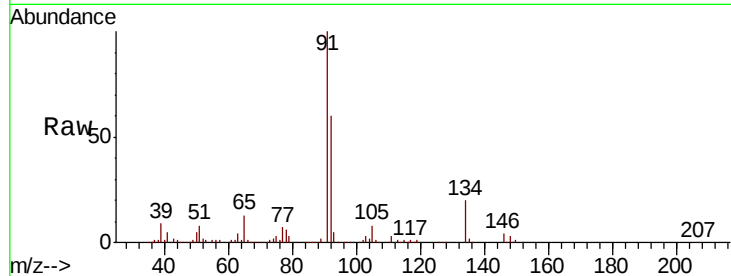




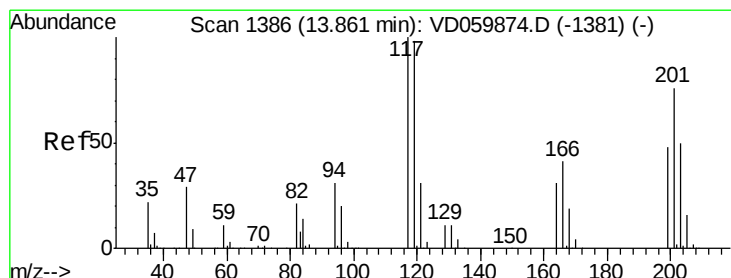
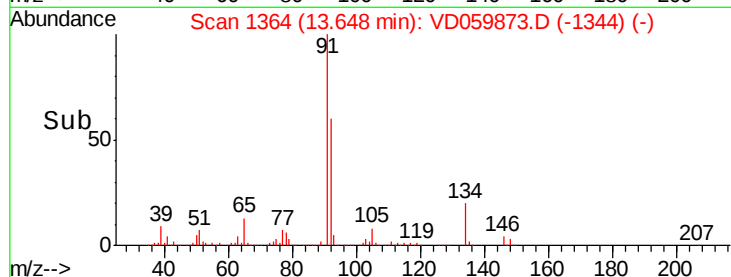
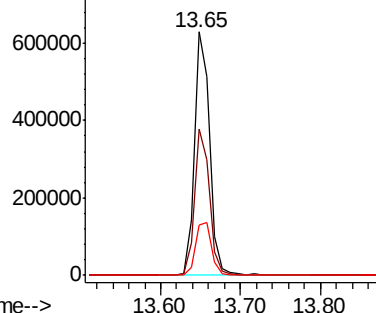
#89
n-Butylbenzene
Concen: 21.382 ug/l
RT: 13.65 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCO

Tgt Ion: 91 Resp: 845071
Ion Ratio Lower Upper
91 100
92 60.2 30.0 90.1
134 20.4 12.8 38.4

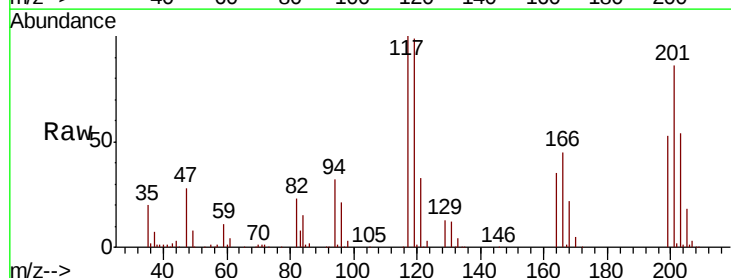


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

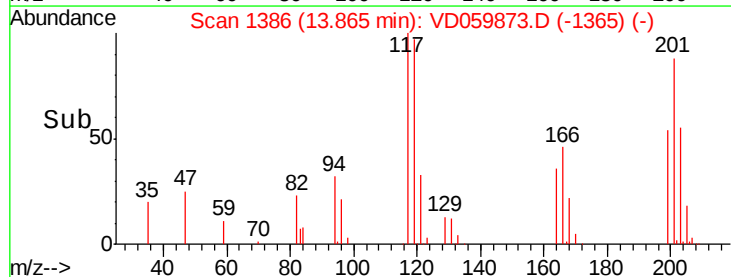
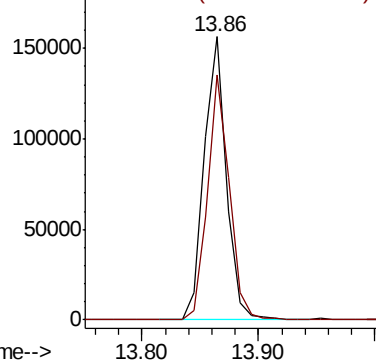


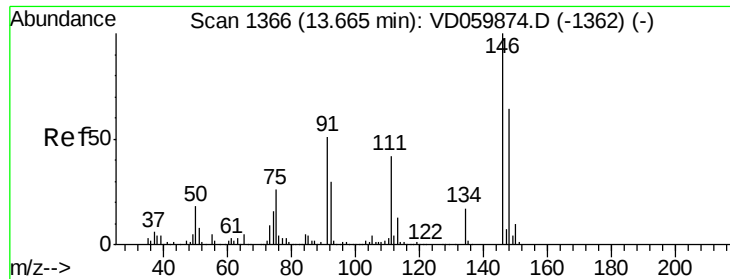
#90
Hexachloroethane
Concen: 18.833 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion: 117 Resp: 206303
Ion Ratio Lower Upper
117 100
201 86.3 38.1 114.5



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

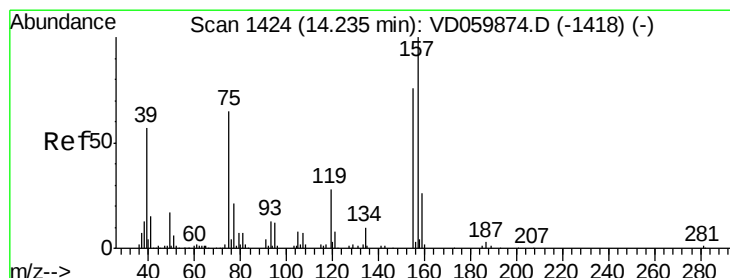
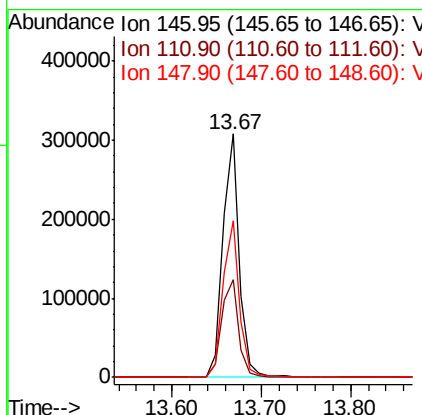
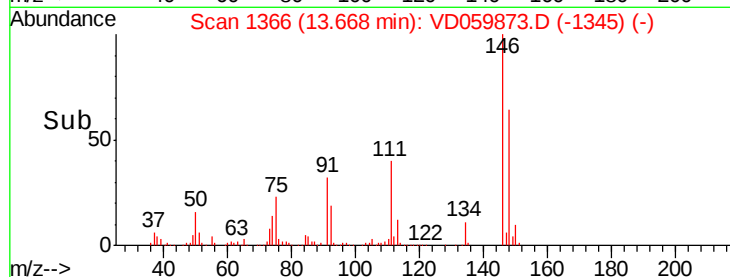
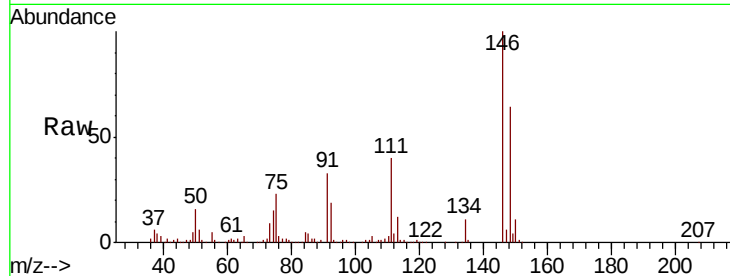




#91
 1,2-Dichlorobenzene
 Concen: 20.771 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

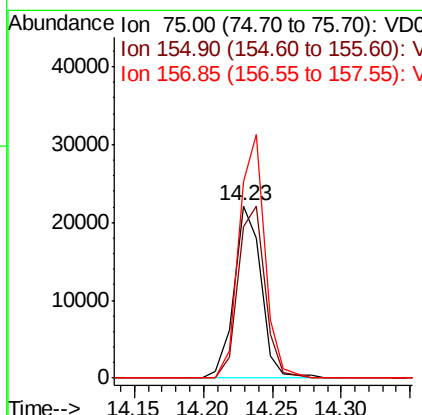
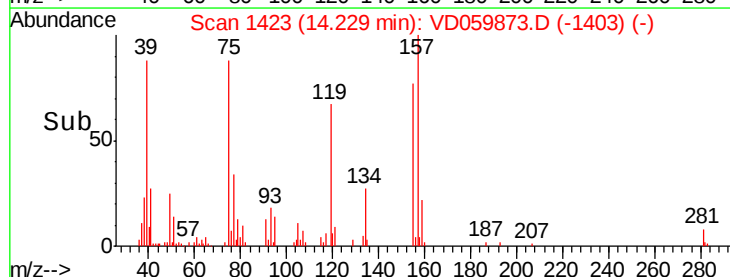
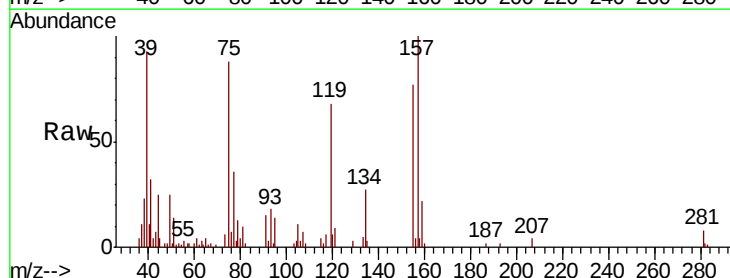
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

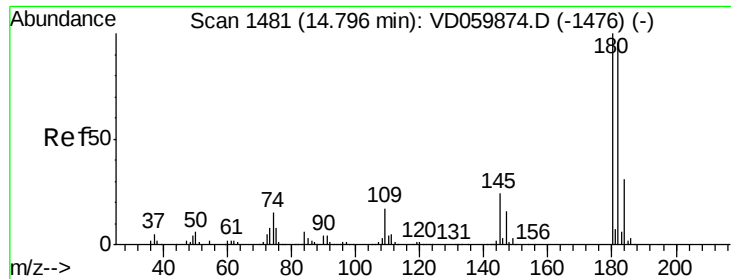
Tgt Ion:146 Resp: 400889
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.1
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.781 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion: 75 Resp: 30294
 Ion Ratio Lower Upper
 75 100
 155 87.7 58.2 174.6
 157 113.9 76.8 230.4

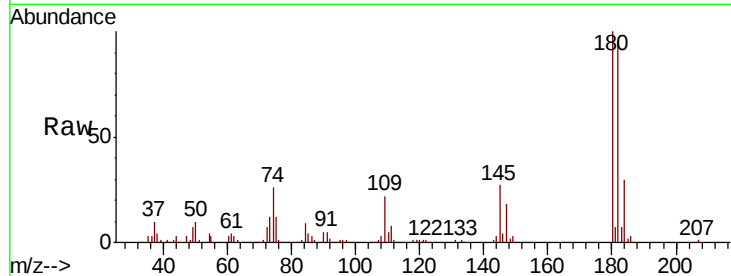




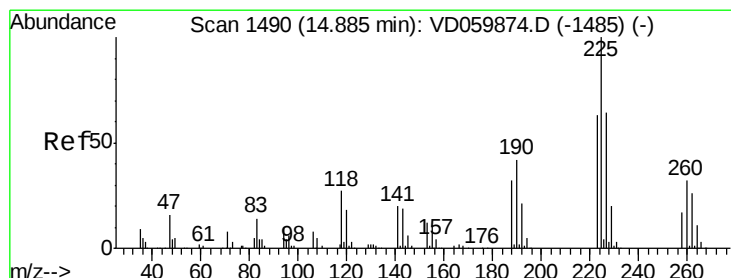
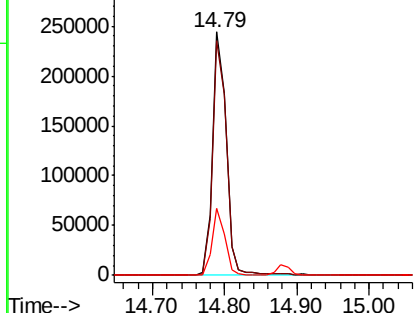
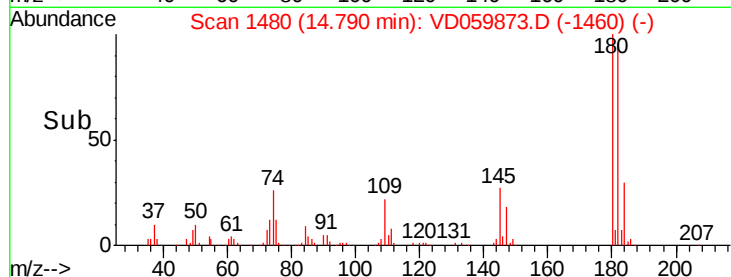
#93
 1,2,4-Trichlorobenzene
 Concen: 19.428 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC0

Tgt Ion:180 Resp: 321944
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.9 143.7
 145 27.4 12.2 36.4

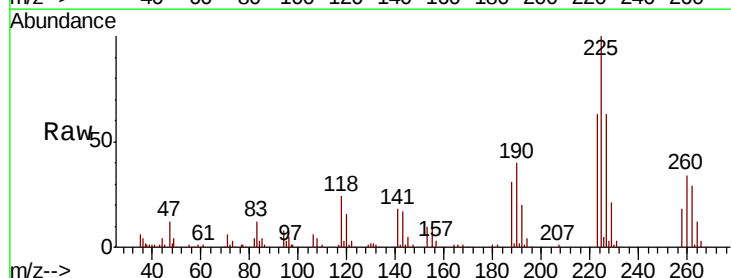


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

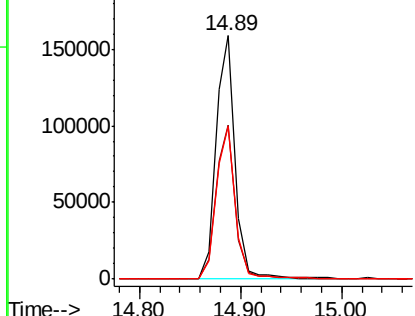
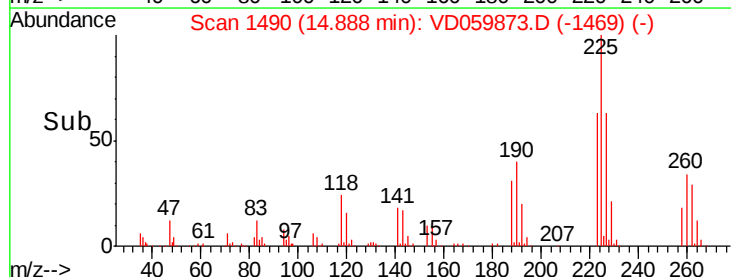


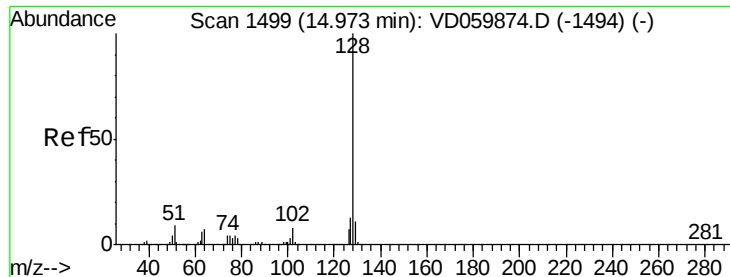
#94
 Hexachlorobutadiene
 Concen: 19.308 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059873.D
 Acq: 22 Aug 2018 13:40

Tgt Ion:225 Resp: 212240
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.8
 227 62.7 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

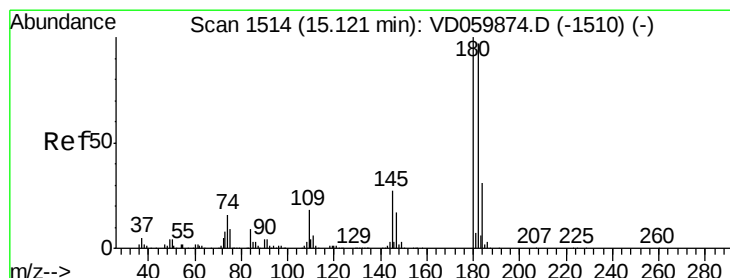
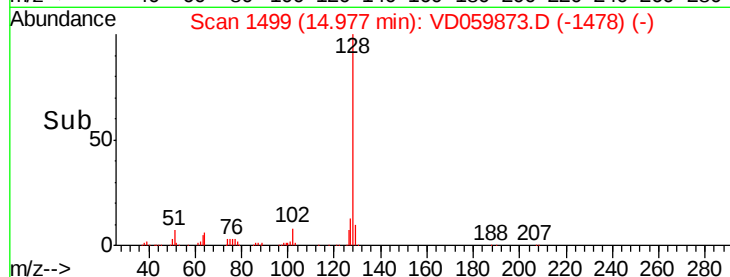
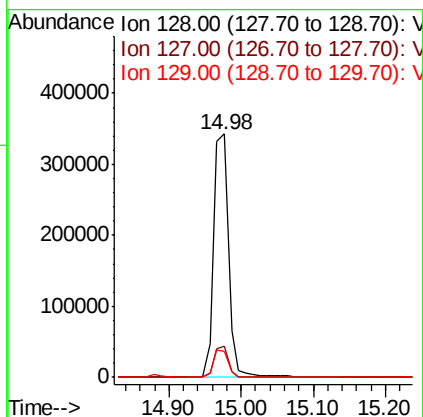
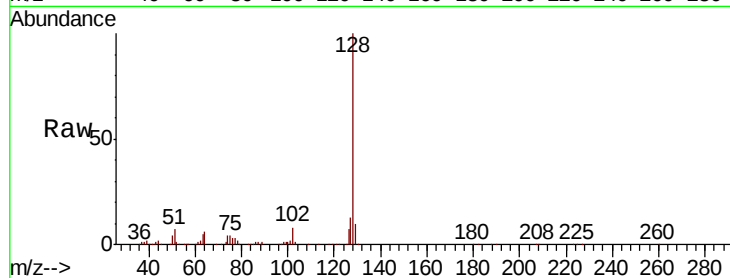




#95
Naphthalene
Concen: 18.636 ug/l
RT: 14.98 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC0

Tgt Ion:128 Resp: 490088
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.048 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059873.D
Acq: 22 Aug 2018 13:40

Tgt Ion:180 Resp: 276808
Ion Ratio Lower Upper
180 100
182 96.5 48.6 145.8
145 25.5 13.6 40.8

