

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059875.D
 Acq On : 22 Aug 2018 14:37
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 23 01:17:44 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	1181385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1642903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1359501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	727637	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	663738	69.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.82%	
35) Dibromofluoromethane	6.33	113	878236	69.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.94%	
50) Toluene-d8	9.47	98	2363611	68.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.88%	
62) 4-Bromofluorobenzene	12.43	95	965425	69.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	726889	70.565	ug/l	100
3) Chloromethane	1.75	50	660673	69.456	ug/l	98
4) Vinyl Chloride	1.84	62	546867	73.161	ug/l	98
5) Bromomethane	2.14	94	67614	76.971	ug/l	91
6) Chloroethane	2.24	64	156063	82.220	ug/l	99
7) Trichlorofluoromethane	2.50	101	608803	75.102	ug/l	98
8) Diethyl Ether	2.82	74	135629	73.121	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	372193	72.153	ug/l	97
10) Methyl Iodide	3.24	142	430783	88.351	ug/l	96
11) Tert butyl alcohol	3.98	59	256603	331.649	ug/l	100
12) 1,1-Dichloroethene	3.07	96	290257	73.900	ug/l	96
13) Acrolein	2.98	56	121082	394.545	ug/l	99
14) Allyl chloride	3.53	41	659932	71.349	ug/l	97
15) Acrylonitrile	4.08	53	967980	342.826	ug/l	100
16) Acetone	3.16	43	627411	364.493	ug/l	99
17) Carbon Disulfide	3.31	76	932004	76.299	ug/l	100
18) Methyl Acetate	3.55	43	245423	64.655	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1595431	67.871	ug/l	98
20) Methylene Chloride	3.72	84	856897	60.673	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	807987	72.638	ug/l	98
22) Diisopropyl ether	4.86	45	3354380	71.272	ug/l	98
23) Vinyl Acetate	4.81	43	9226792	351.793	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1485856	73.208	ug/l	100
25) 2-Butanone	5.63	43	1893015	368.237	ug/l	98
26) 2,2-Dichloropropane	5.59	77	1128100	68.037	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	883596	71.562	ug/l	98
28) Bromochloromethane	5.93	49	687101	70.479	ug/l	93
29) Tetrahydrofuran	5.96	42	872512	340.139	ug/l	99
30) Chloroform	6.11	83	1501049	72.443	ug/l	98
31) Cyclohexane	6.38	56	1262153	68.080	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	1235149	70.280	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1074577	73.752	ug/l	100
37) Ethyl Acetate	5.71	43	748958	64.057	ug/l	99
38) Carbon Tetrachloride	6.51	117	1064634	72.089	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1172707	72.917	ug/l	99
40) Benzene	6.80	78	2808922	73.562	ug/l	100
41) Methacrylonitrile	5.95	41	893320	85.135	ug/l #	83
42) 1,2-Dichloroethane	6.90	62	890342	71.485	ug/l	99
43) Isopropyl Acetate	8.36	43	1053714	68.585	ug/l	99
44) Trichloroethene	7.75	130	837847	74.701	ug/l	94
45) 1,2-Dichloropropane	8.11	63	766580	70.908	ug/l	97
46) Dibromomethane	8.23	93	501545	72.387	ug/l	95
47) Bromodichloromethane	8.50	83	1103473	70.458	ug/l	100
48) Methyl methacrylate	8.26	41	620085	71.699	ug/l	98
49) 1,4-Dioxane	8.25	88	110734	1404.162	ug/l	96
51) 4-Methyl-2-Pentanone	9.36	43	3996081	374.244	ug/l	99
52) Toluene	9.57	92	1791230	72.908	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1040980	71.617	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1210707	71.565	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	579060	64.704	ug/l	99
56) Ethyl methacrylate	10.04	69	726327	68.220	ug/l	98
57) 1,3-Dichloropropane	10.39	76	921241	70.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	1765038	347.885	ug/l	95
59) 2-Hexanone	10.50	43	2932758	378.745	ug/l	99
60) Dibromochloromethane	10.65	129	812033	71.249	ug/l	99
61) 1,2-Dibromoethane	10.77	107	653613	70.822	ug/l	99
64) Tetrachloroethene	10.26	164	747068	71.914	ug/l	98
65) Chlorobenzene	11.32	112	1895272	71.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	692735	71.772	ug/l	99
67) Ethyl Benzene	11.44	91	3169743	72.736	ug/l	98
68) m/p-Xylenes	11.57	106	2283747	145.199	ug/l	98
69) o-Xylene	11.94	106	1159106	75.072	ug/l	97
70) Styrene	11.97	104	1997305	74.471	ug/l	100
71) Bromoform	12.12	173	615897	71.901	ug/l	99
73) Isopropylbenzene	12.28	105	3234273	70.489	ug/l	99
74) N-amyl acetate	12.14	43	1338074	65.266	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	717242	68.002	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	764222	67.295	ug/l	100
77) Bromobenzene	12.55	156	884916	69.457	ug/l	90
78) n-propylbenzene	12.65	91	3894288	68.297	ug/l	97
79) 2-Chlorotoluene	12.71	91	2262561	69.645	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	2480831	69.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	240708	68.835	ug/l	97
82) 4-Chlorotoluene	12.81	91	2488570	68.615	ug/l	94
83) tert-Butylbenzene	13.05	119	2893450	69.799	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	2638934	70.238	ug/l	99
85) sec-Butylbenzene	13.23	105	3373410	69.460	ug/l	98
86) p-Isopropyltoluene	13.34	119	2755984	70.146	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	1560454	69.010	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1551113	68.777	ug/l	96
89) n-Butylbenzene	13.65	91	2521386	65.322	ug/l	98
90) Hexachloroethane	13.87	117	737026	68.890	ug/l	83
91) 1,2-Dichlorobenzene	13.67	146	1233458	65.436	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	109085	65.558	ug/l	79

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QLast Update : Thu Aug 23 01:14:23 2018
Response via : Initial Calibration

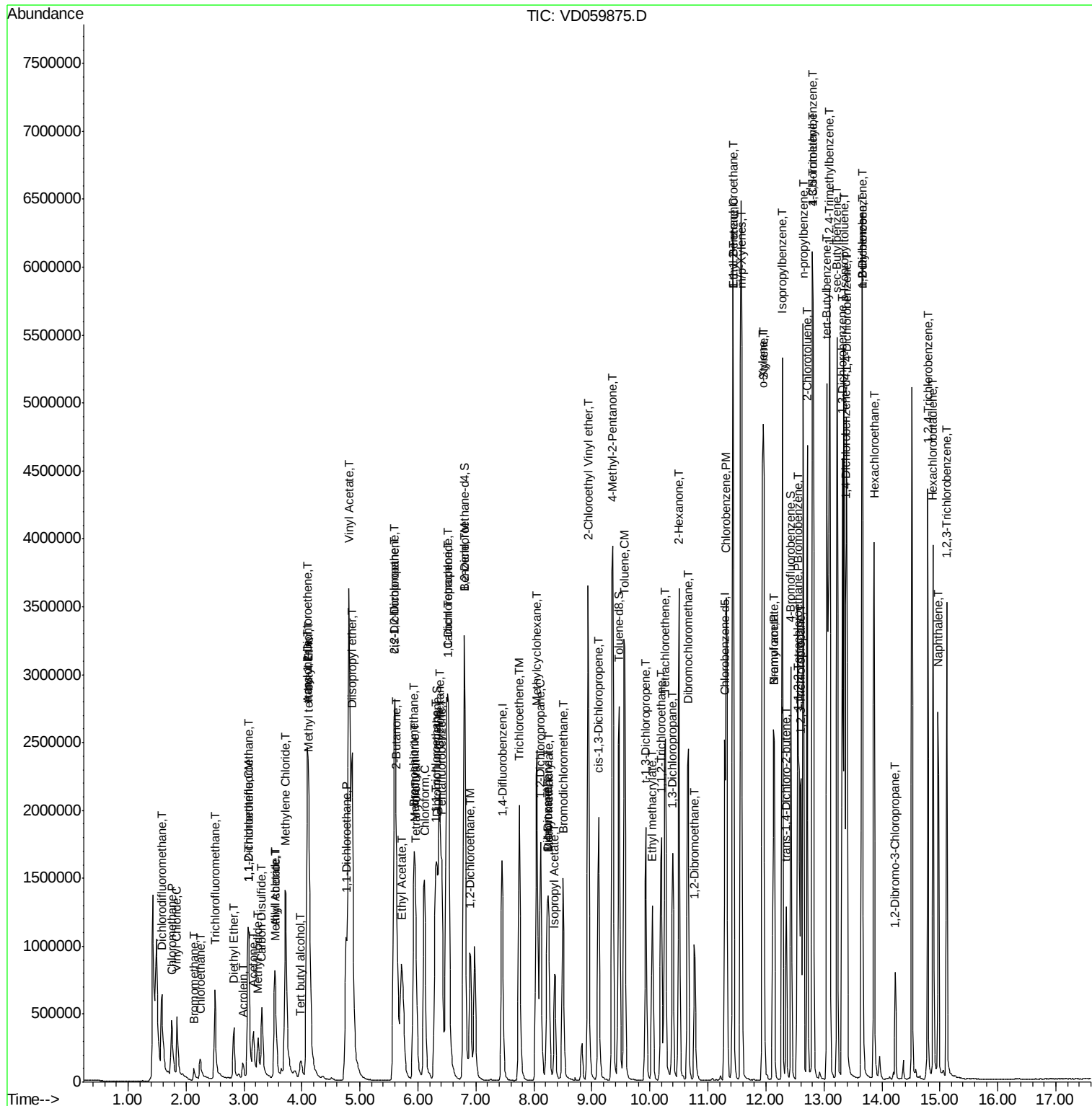
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1151325	71.140	ug/l	98
94) Hexachlorobutadiene	14.89	225	771855	71.895	ug/l	99
95) Naphthalene	14.97	128	1738662	67.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	988455	69.645	ug/l	98

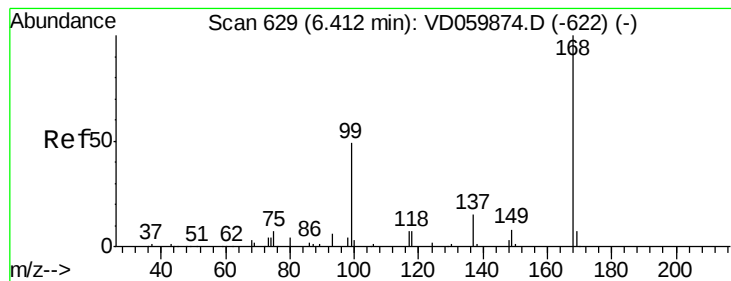
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD082218\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

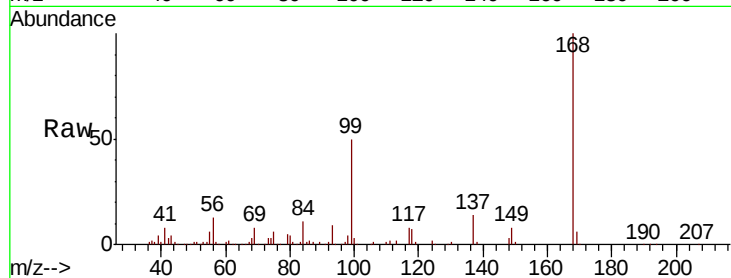
VSTDIC075

Tgt Ion:168 Resp: 1181385

Ion Ratio Lower Upper

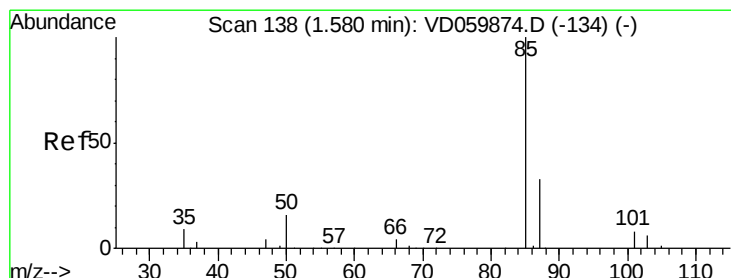
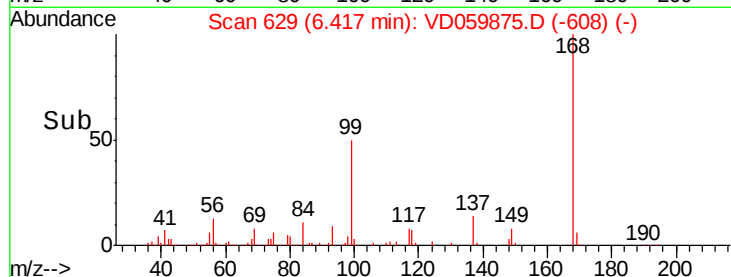
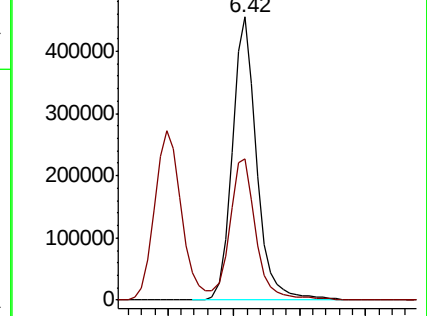
168 100

99 49.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 70.565 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059875.D

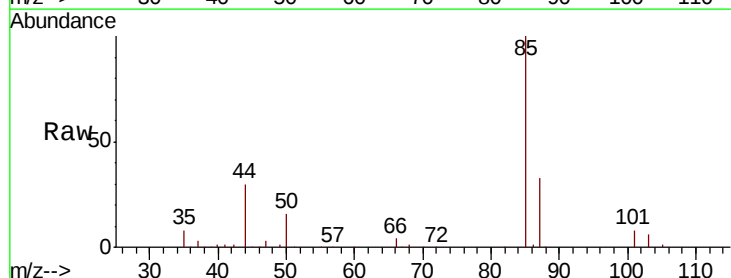
Acq: 22 Aug 2018 14:37

Tgt Ion: 85 Resp: 726889

Ion Ratio Lower Upper

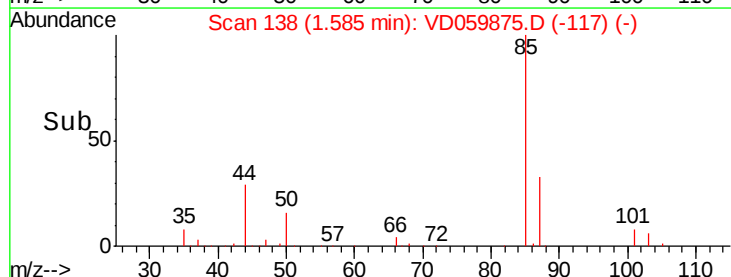
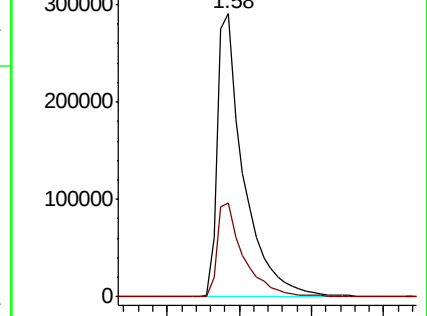
85 100

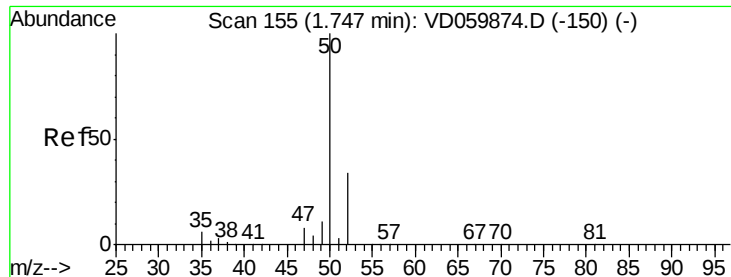
87 33.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 69.456 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

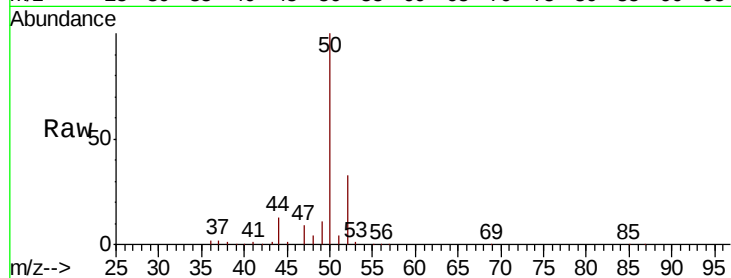
VSTDIC075

Tgt Ion: 50 Resp: 660673

Ion Ratio Lower Upper

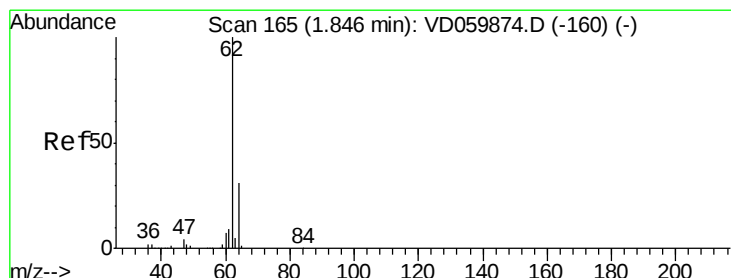
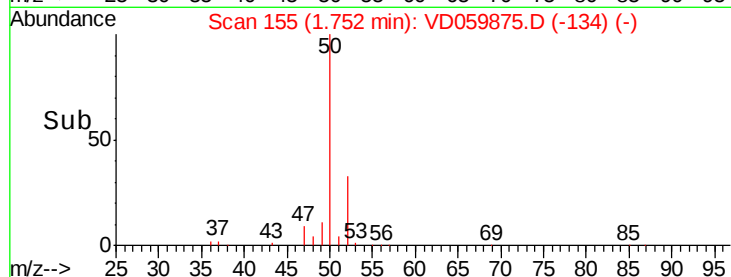
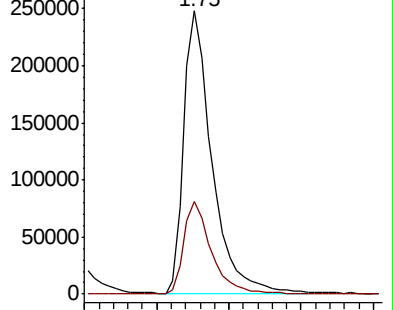
50 100

52 32.9 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: 73.161 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059875.D

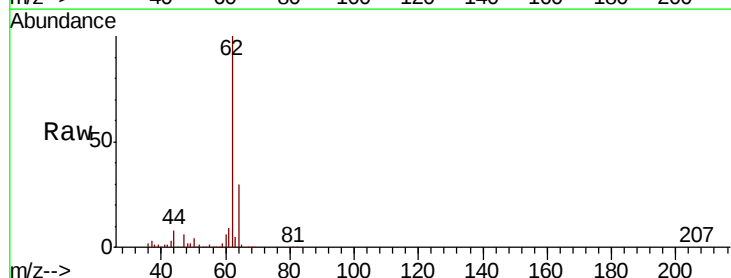
Acq: 22 Aug 2018 14:37

Tgt Ion: 62 Resp: 546867

Ion Ratio Lower Upper

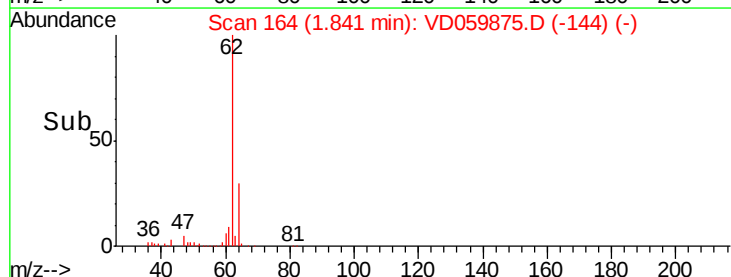
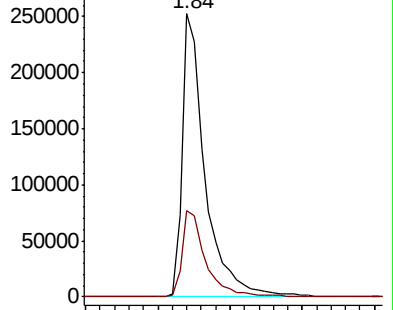
62 100

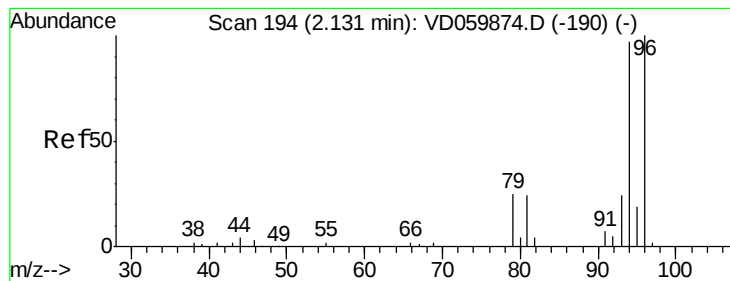
64 30.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 76.971 ug/l

RT: 2.14 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

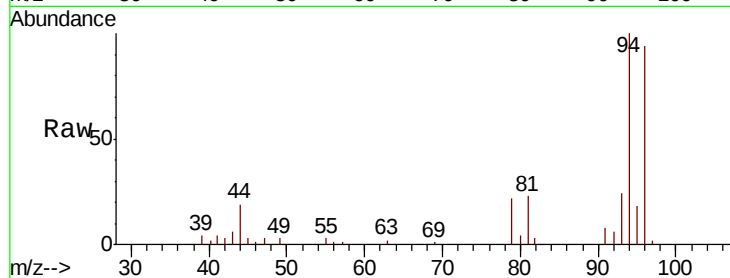
VSTDIC075

Tgt Ion: 94 Resp: 67614

Ion Ratio Lower Upper

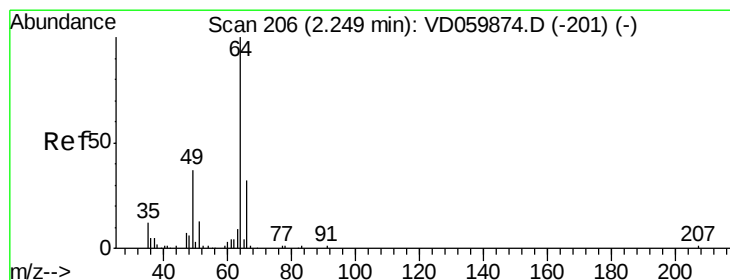
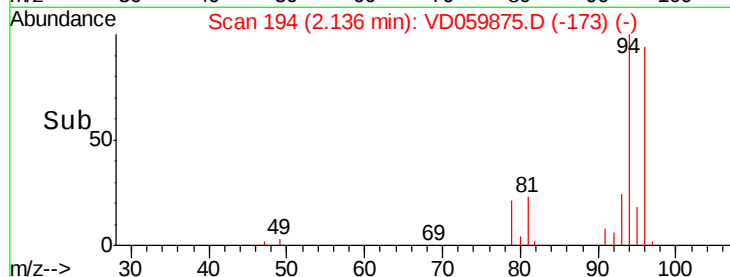
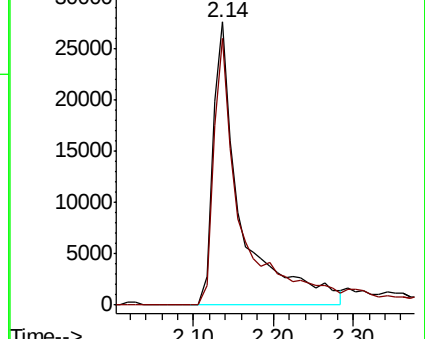
94 100

96 94.2 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: 82.220 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059875.D

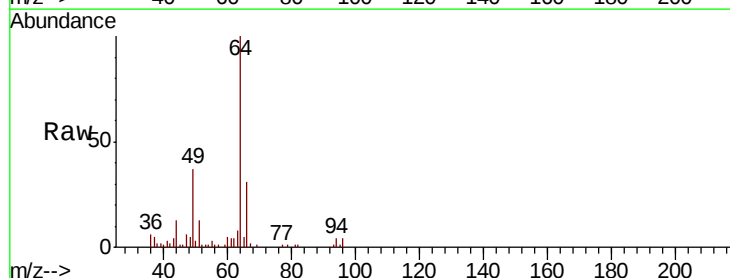
Acq: 22 Aug 2018 14:37

Tgt Ion: 64 Resp: 156063

Ion Ratio Lower Upper

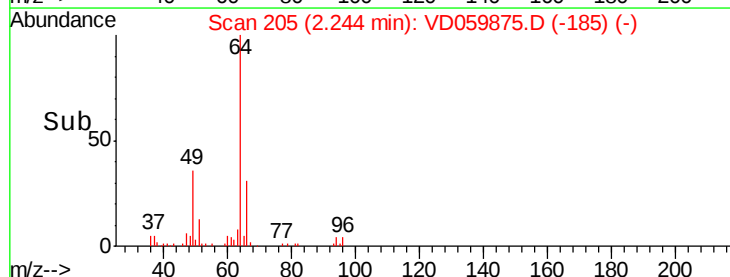
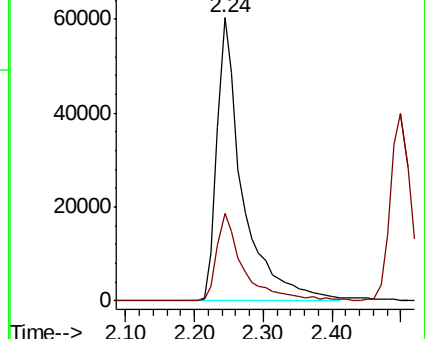
64 100

66 31.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



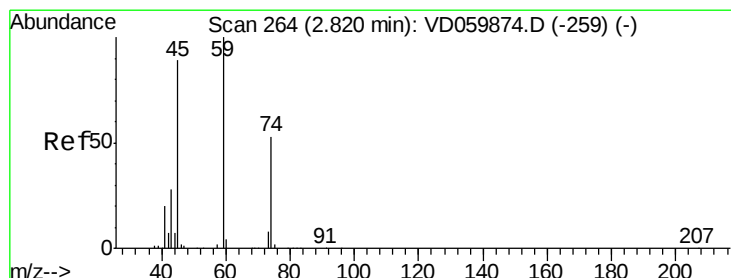
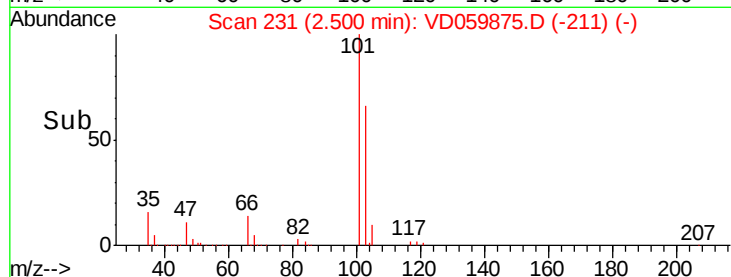
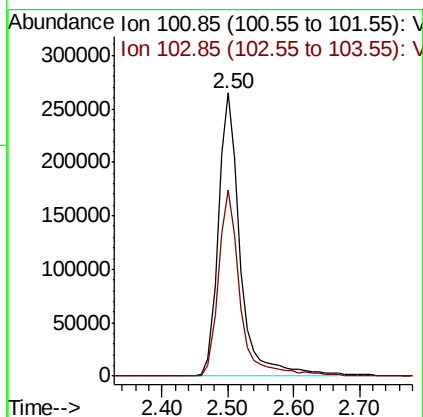
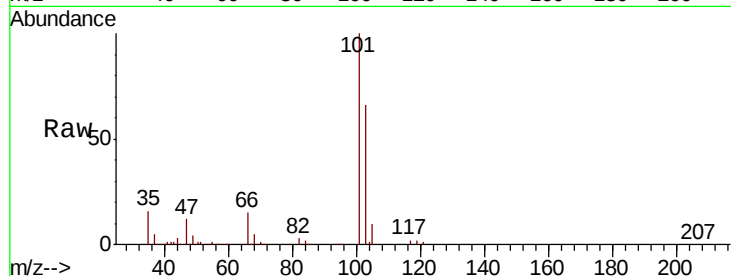


#7

Trichlorofluoromethane
Concen: 75.102 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
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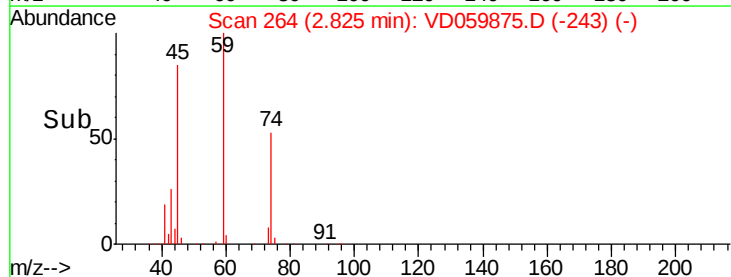
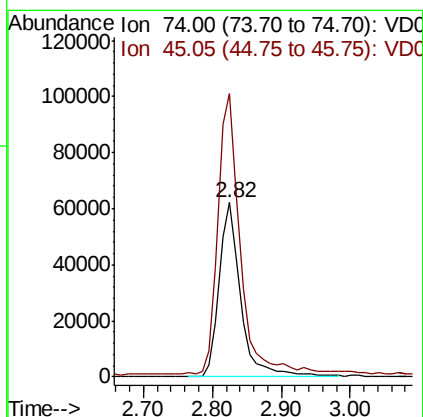
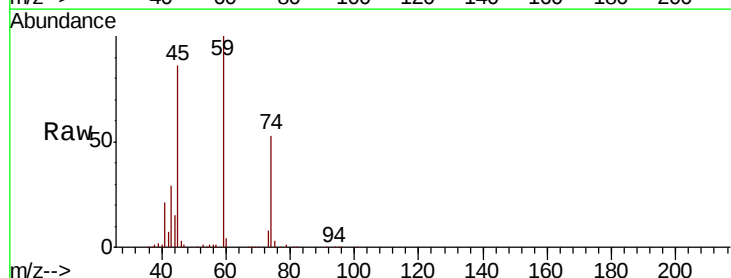
Tgt Ion: 101 Resp: 608803
Ion Ratio Lower Upper
101 100
103 65.6 53.7 80.5

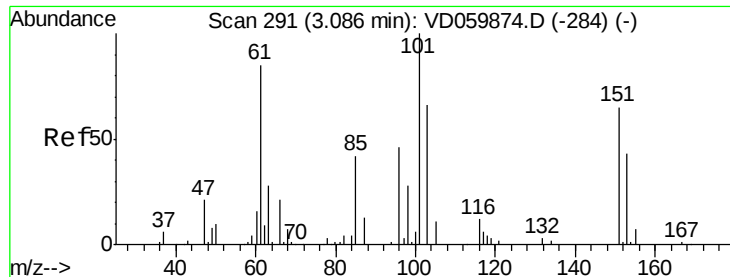


#8

Diethyl Ether
Concen: 73.121 ug/l
RT: 2.82 min Scan# 264
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 74 Resp: 135629
Ion Ratio Lower Upper
74 100
45 162.6 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.153 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

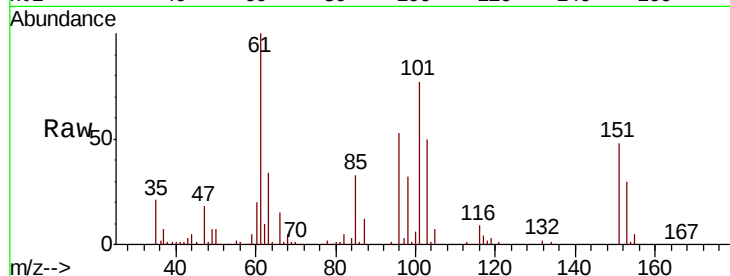
Tgt Ion:101 Resp: 372193

Ion Ratio Lower Upper

101 100

85 42.8 33.6 50.4

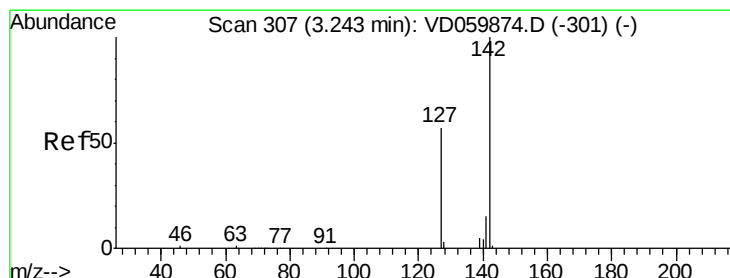
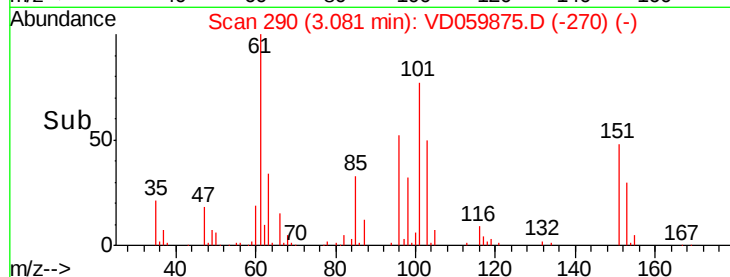
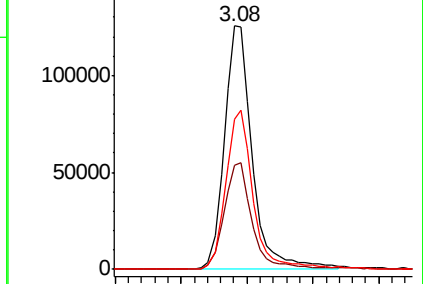
151 61.5 52.0 78.0



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: 88.351 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

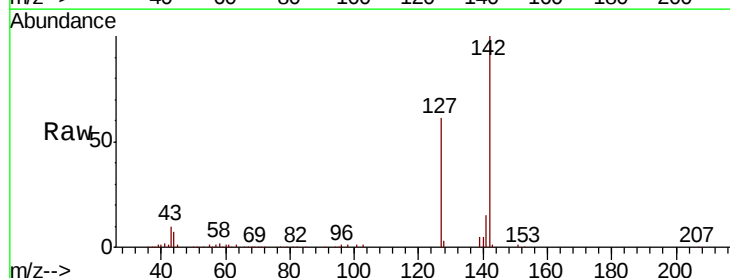
Tgt Ion:142 Resp: 430783

Ion Ratio Lower Upper

142 100

127 61.0 45.8 68.6

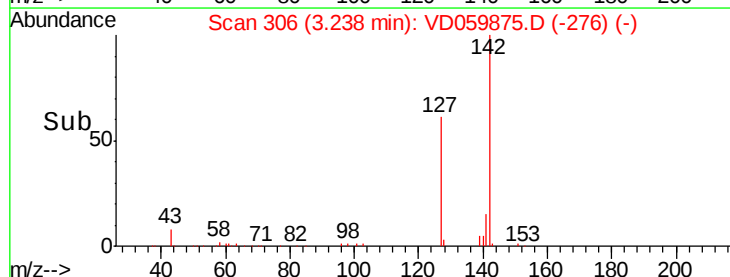
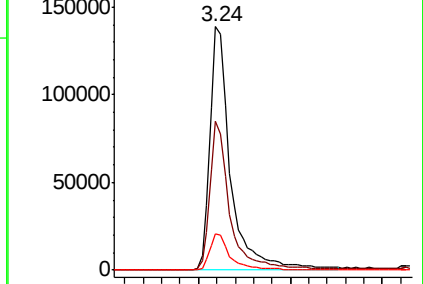
141 14.9 11.6 17.4

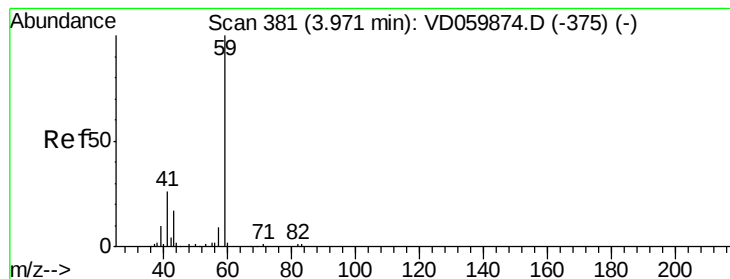


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



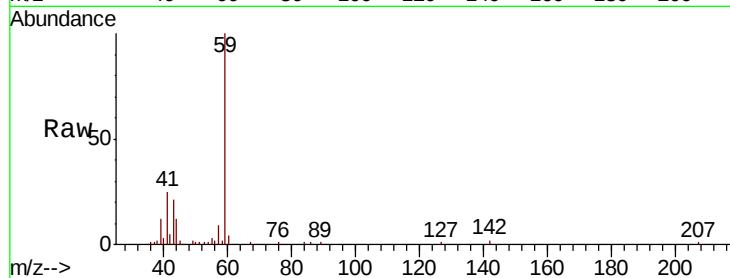


#11

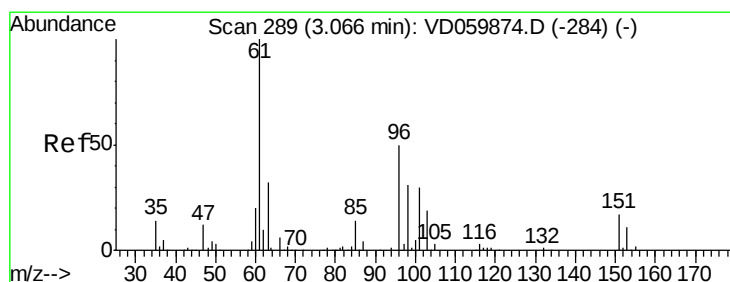
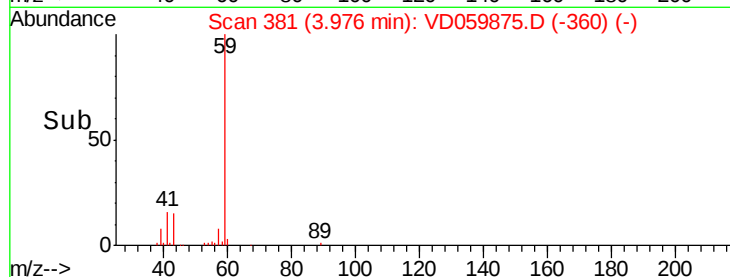
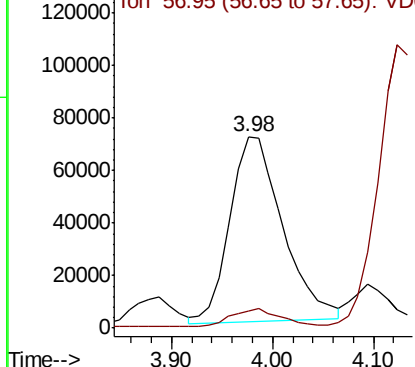
Tert butyl alcohol
 Concen: 331.649 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 59 Resp: 256603
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.4 11.0



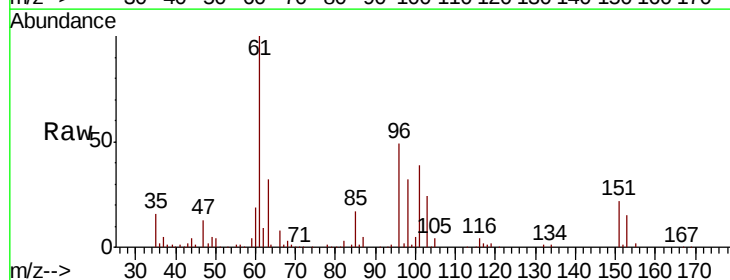
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



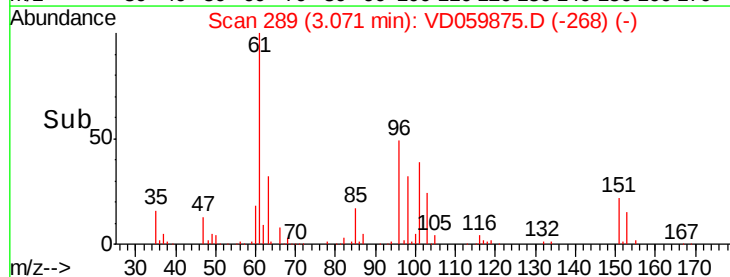
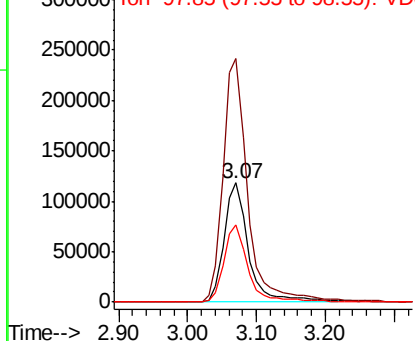
#12

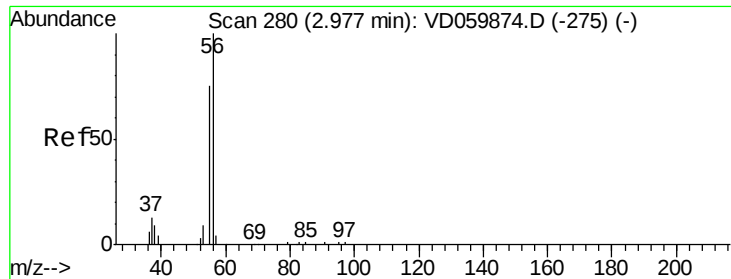
1,1-Dichloroethene
 Concen: 73.900 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 96 Resp: 290257
 Ion Ratio Lower Upper
 96 100
 61 204.6 158.8 238.2
 98 65.1 48.7 73.1



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





#13

Acrolein

Concen: 394.545 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

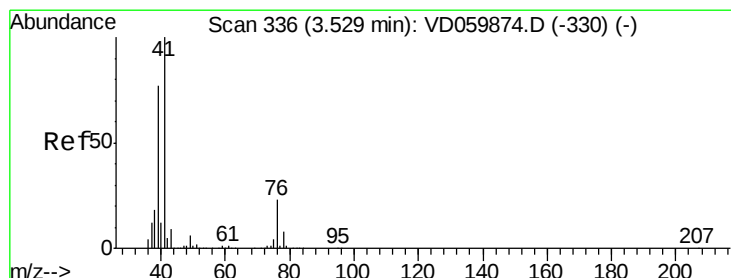
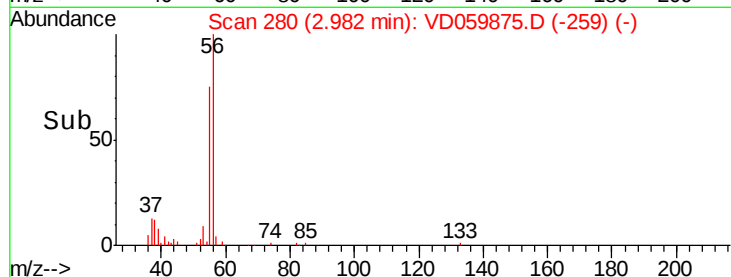
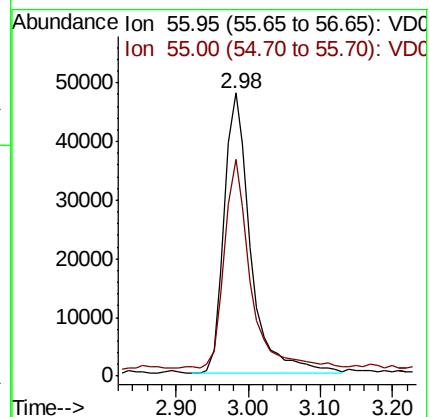
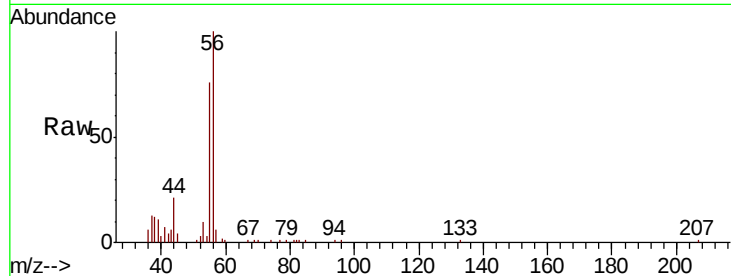
VSTDIC075

Tgt Ion: 56 Resp: 121082

Ion Ratio Lower Upper

56 100

55 76.4 61.9 92.9



#14

Allyl chloride

Concen: 71.349 ug/l

RT: 3.53 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

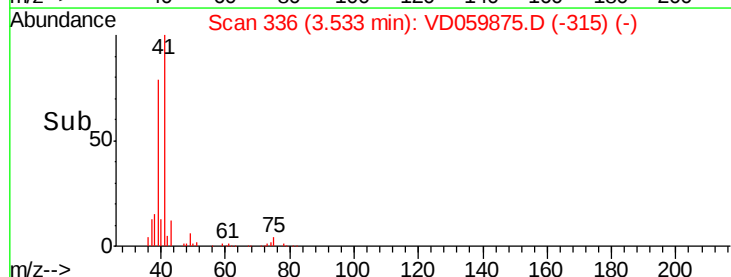
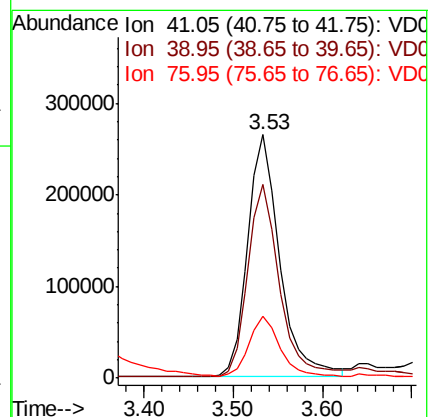
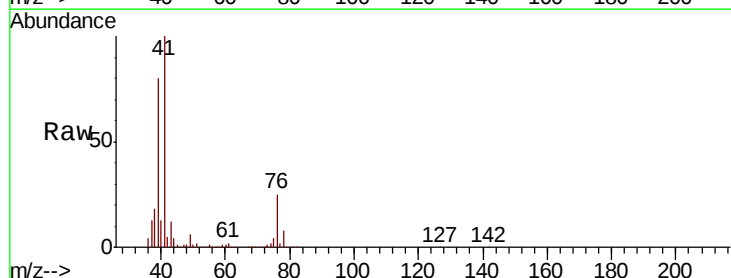
Tgt Ion: 41 Resp: 659932

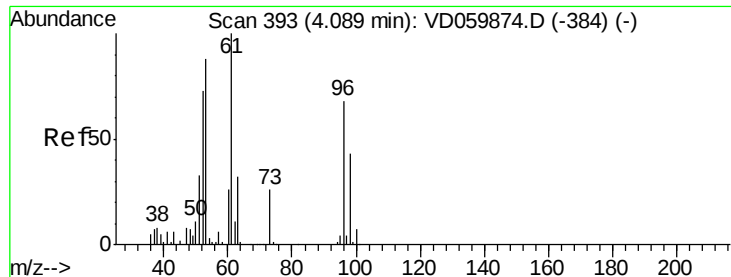
Ion Ratio Lower Upper

41 100

39 79.6 61.8 92.6

76 25.4 19.4 29.2





#15

Acrylonitrile

Concen: 342.826 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

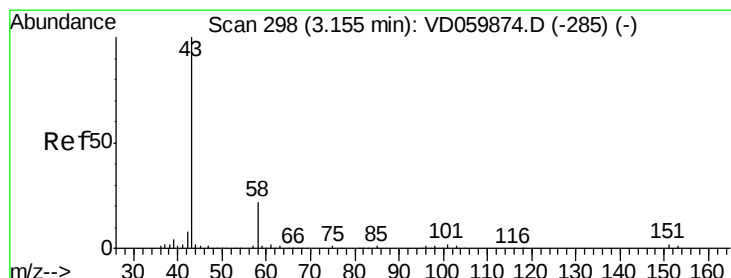
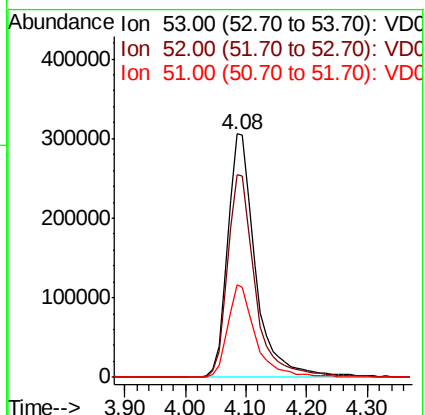
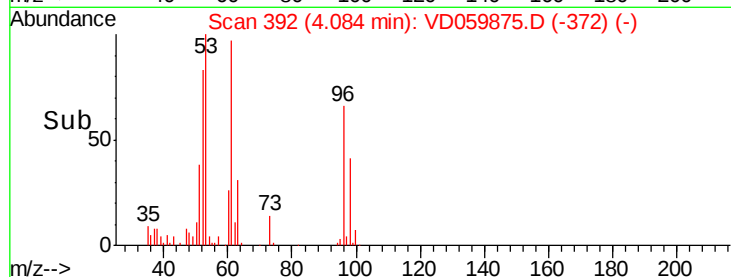
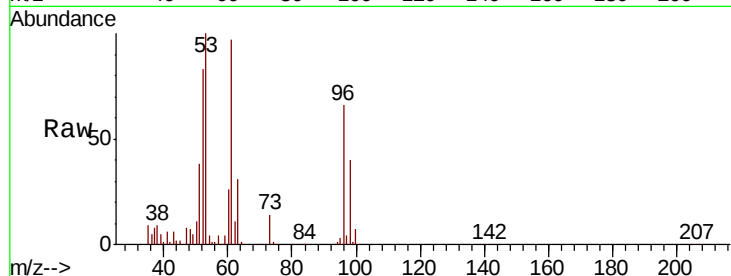
Tgt Ion: 53 Resp: 967980

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

51 37.9 30.3 45.5



#16

Acetone

Concen: 364.493 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059875.D

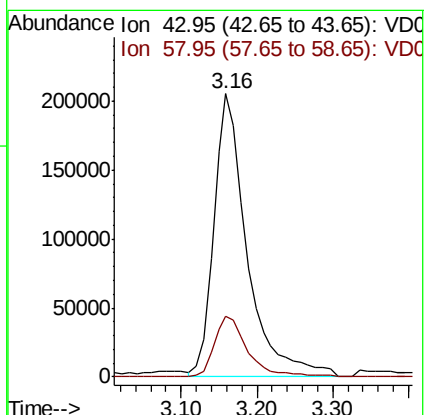
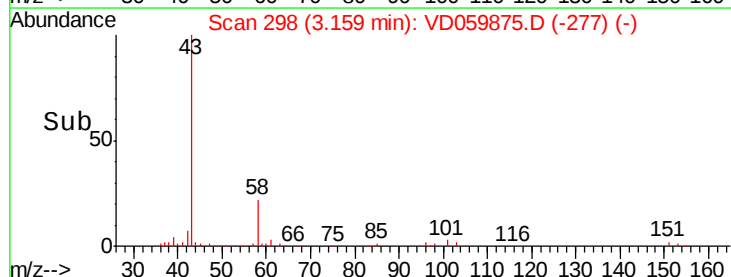
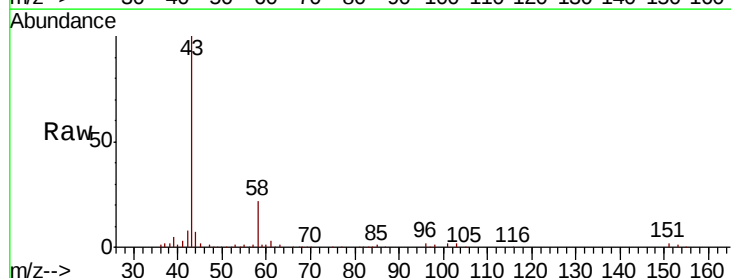
Acq: 22 Aug 2018 14:37

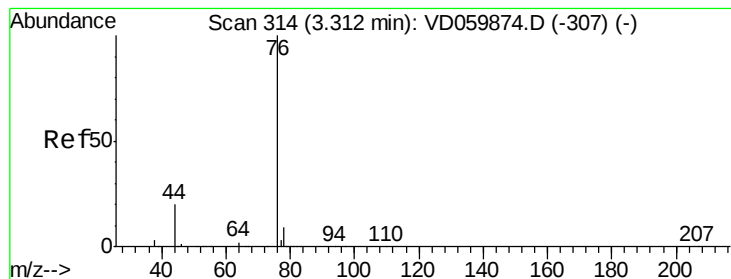
Tgt Ion: 43 Resp: 627411

Ion Ratio Lower Upper

43 100

58 21.6 17.6 26.4





#17

Carbon Disulfide

Concen: 76.299 ug/l

RT: 3.31 min Scan# 313

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

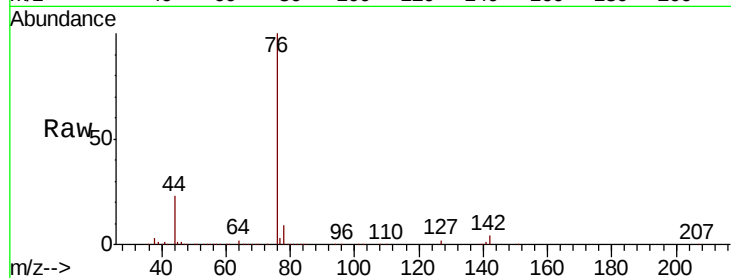
VSTDIC075

Tgt Ion: 76 Resp: 932004

Ion Ratio Lower Upper

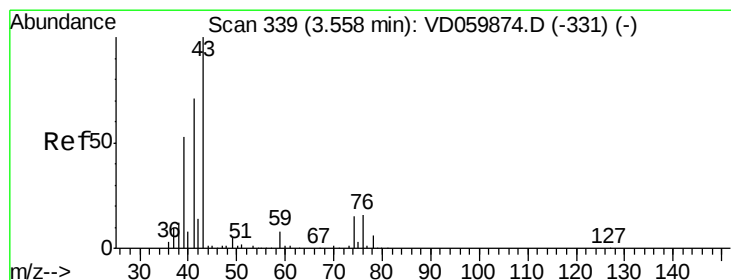
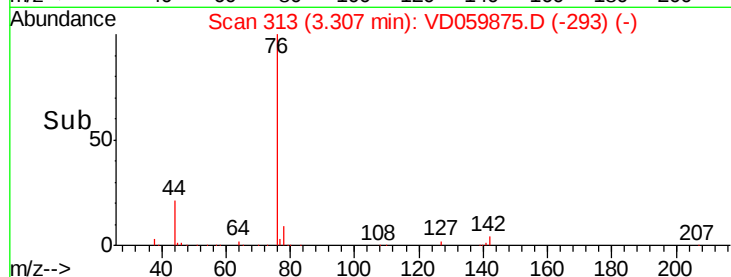
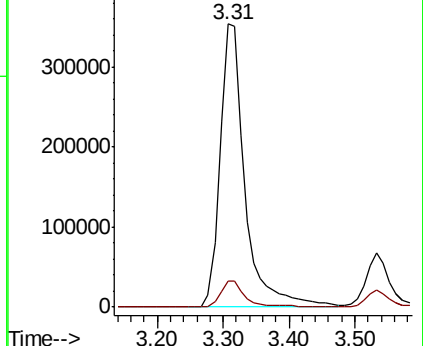
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 64.655 ug/l

RT: 3.55 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD059875.D

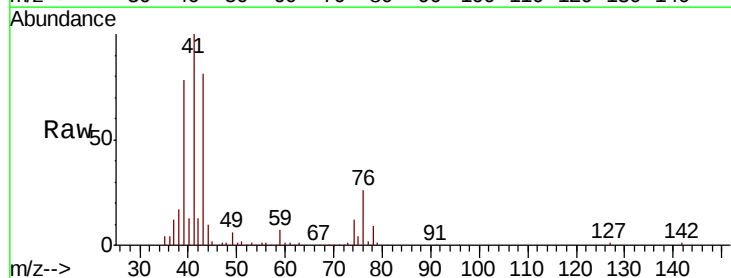
Acq: 22 Aug 2018 14:37

Tgt Ion: 43 Resp: 245423

Ion Ratio Lower Upper

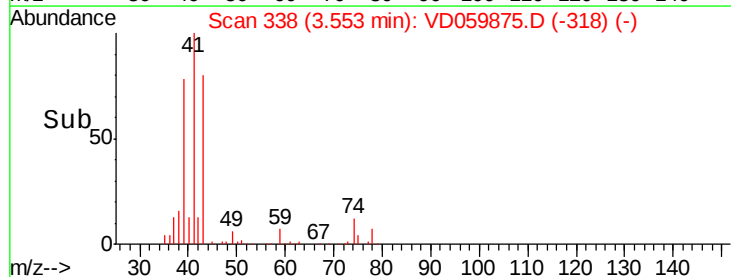
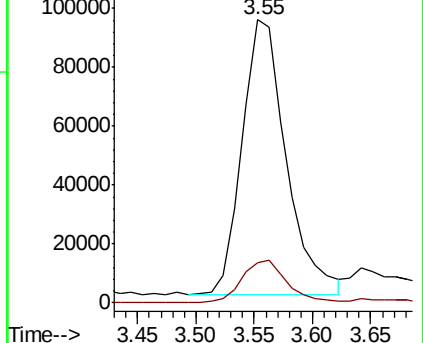
43 100

74 14.4 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



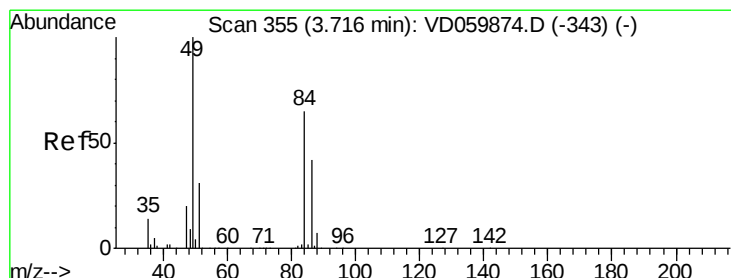
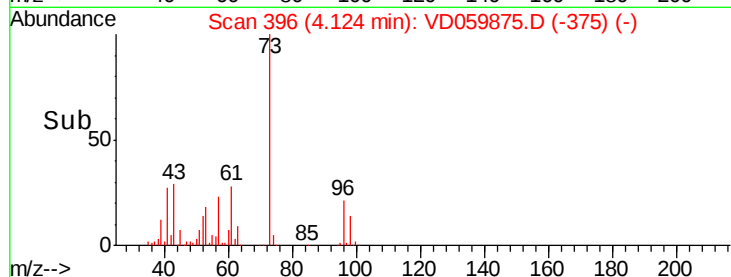
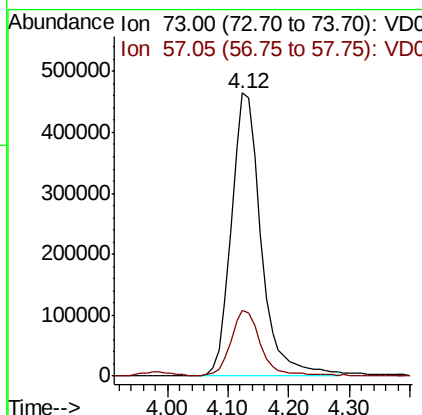
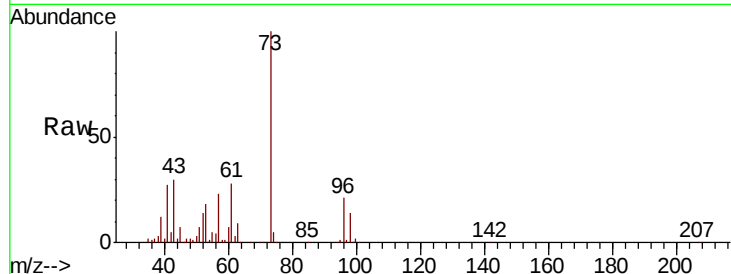


#19

Methyl tert-butyl Ether
 Concen: 67.871 ug/l
 RT: 4.12 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

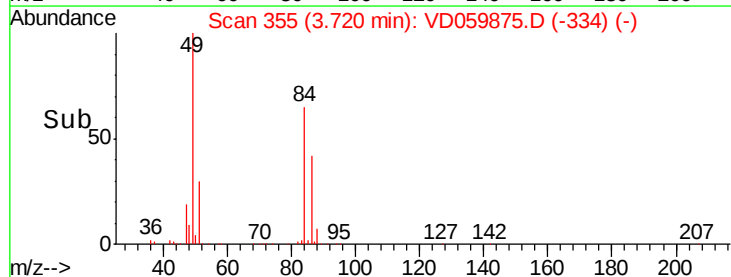
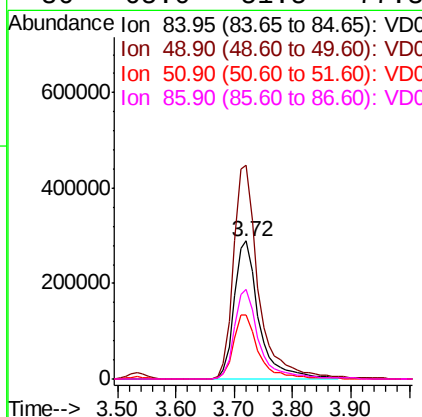
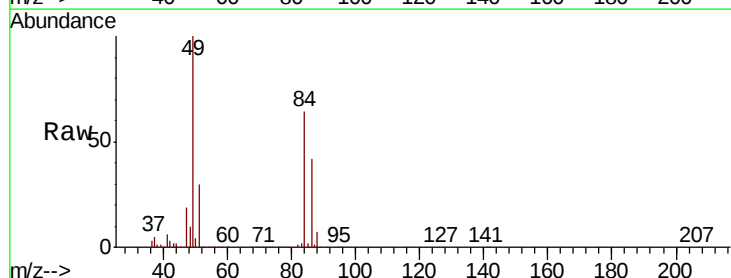
Tgt Ion: 73 Resp: 1595431
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.9 26.9



#20

Methylene Chloride
 Concen: 60.673 ug/l
 RT: 3.72 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 84 Resp: 856897
 Ion Ratio Lower Upper
 84 100
 49 155.1 122.6 183.8
 51 46.2 38.4 57.6
 86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 72.638 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

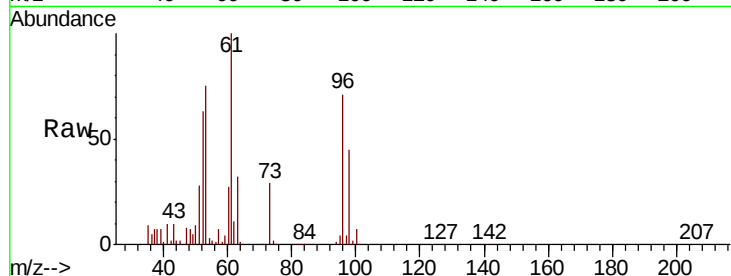
Tgt Ion: 96 Resp: 807987

Ion Ratio Lower Upper

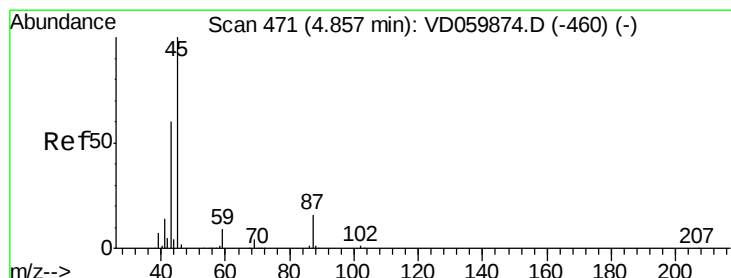
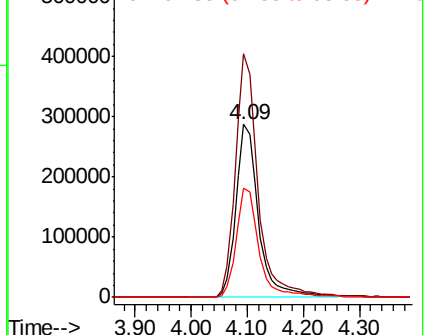
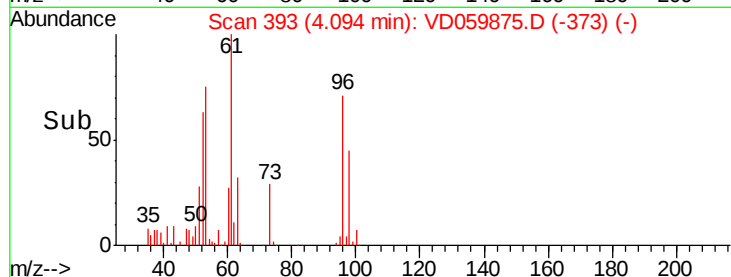
96 100

61 141.0 110.2 165.4

98 63.4 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: 71.272 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion: 45 Resp: 3354380

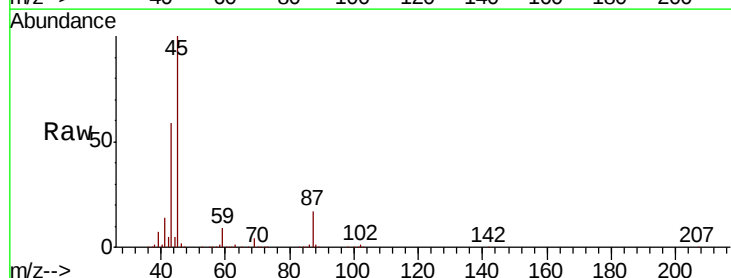
Ion Ratio Lower Upper

45 100

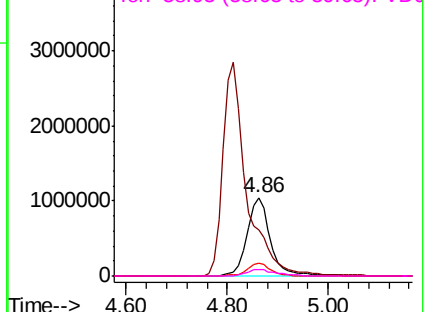
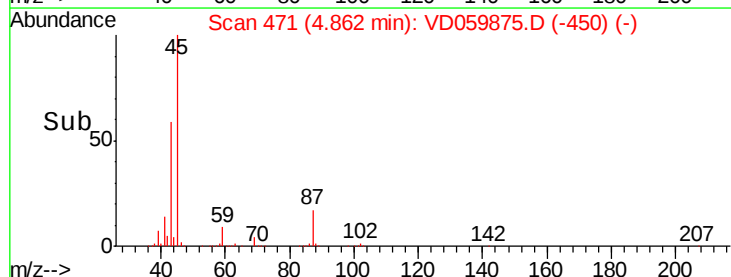
43 58.7 48.6 72.8

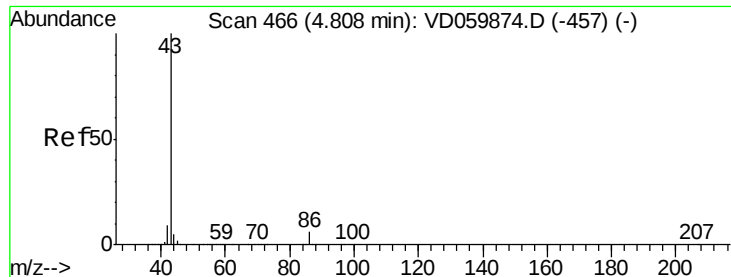
87 16.6 13.3 19.9

59 8.8 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: 351.793 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

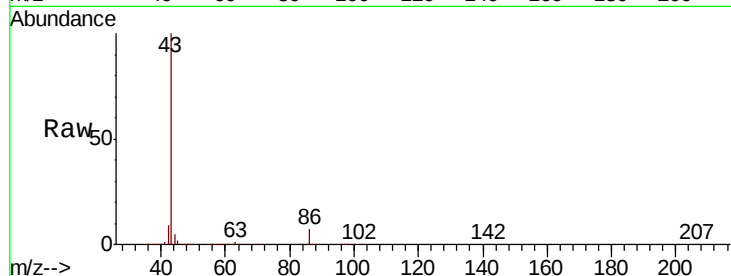
VSTDIC075

Tgt Ion: 43 Resp: 9226792

Ion Ratio Lower Upper

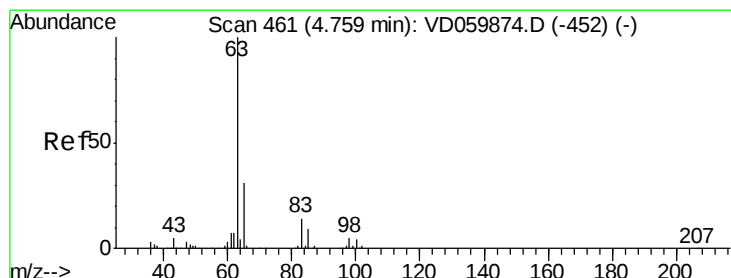
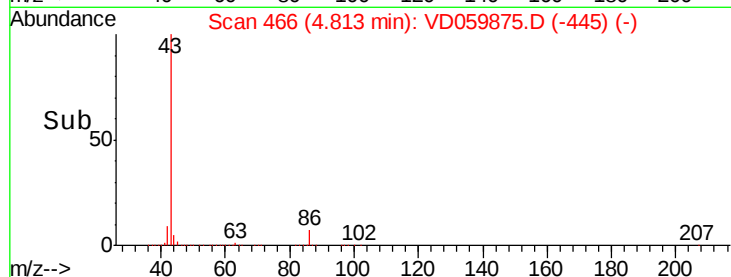
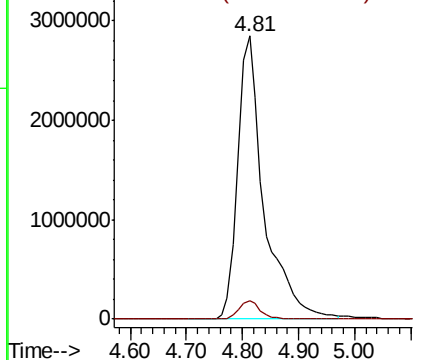
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 73.208 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

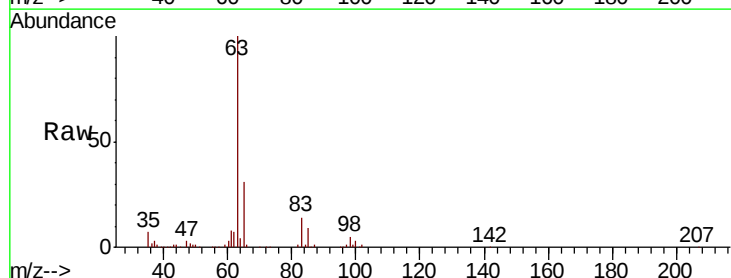
Tgt Ion: 63 Resp: 1485856

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

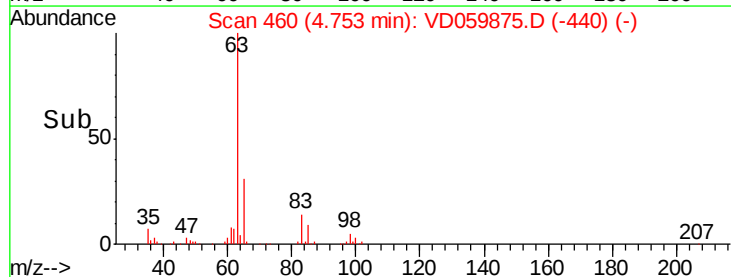
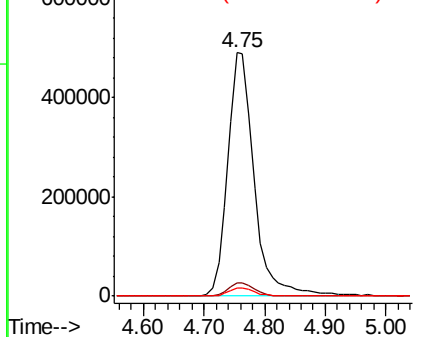
100 3.4 1.8 5.3

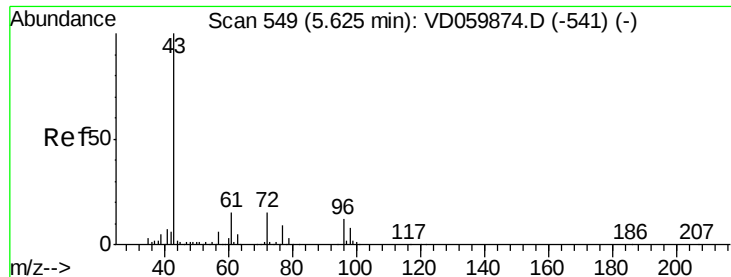


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

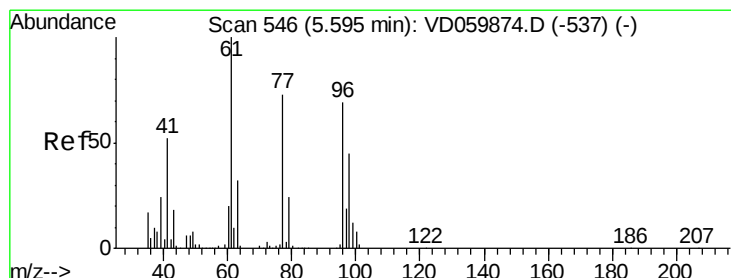
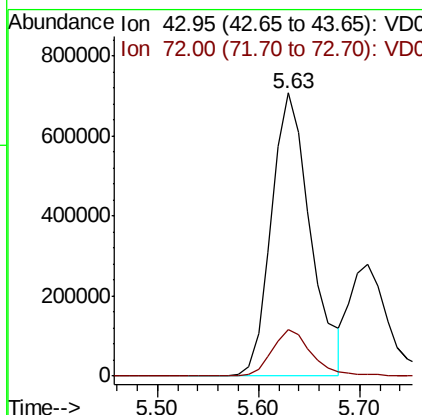
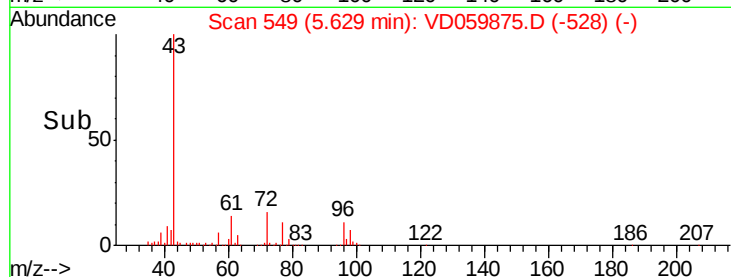
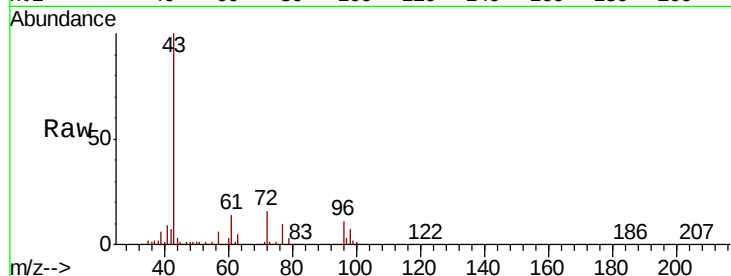




#25
2-Butanone
Concen: 368.237 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

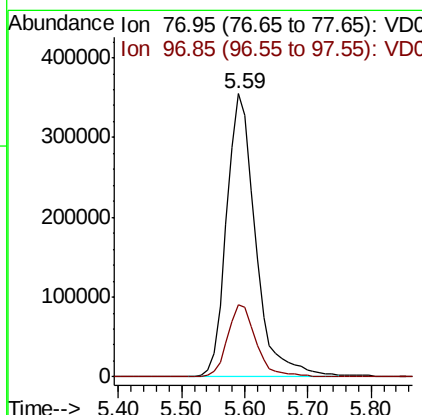
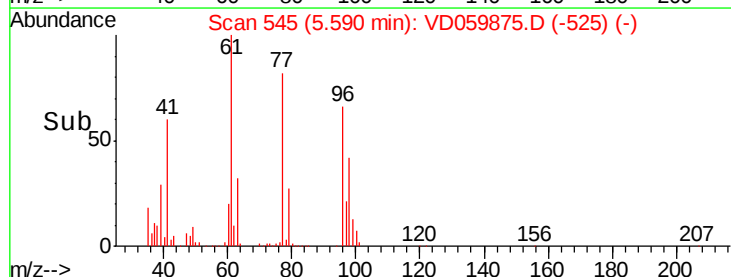
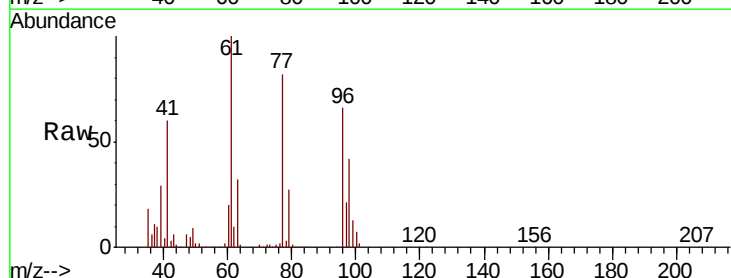
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

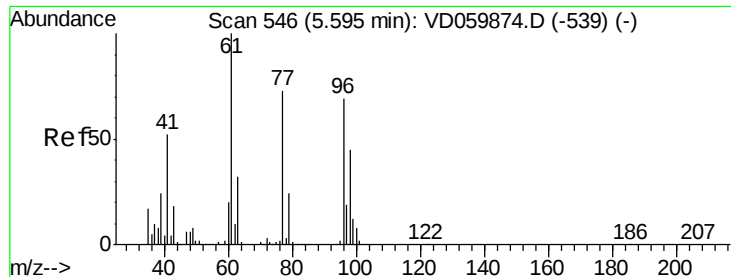
Tgt Ion: 43 Resp: 1893015
Ion Ratio Lower Upper
43 100
72 16.2 12.3 18.5



#26
2,2-Dichloropropane
Concen: 68.037 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 77 Resp: 1128100
Ion Ratio Lower Upper
77 100
97 25.4 13.0 38.9



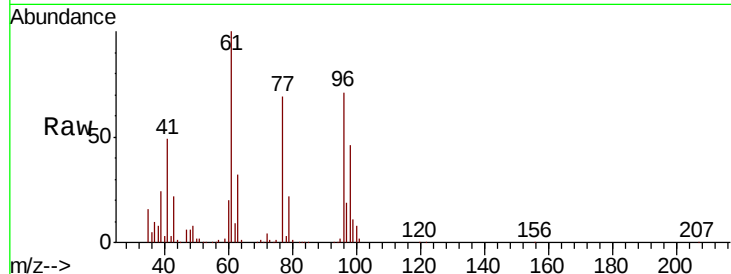


#27

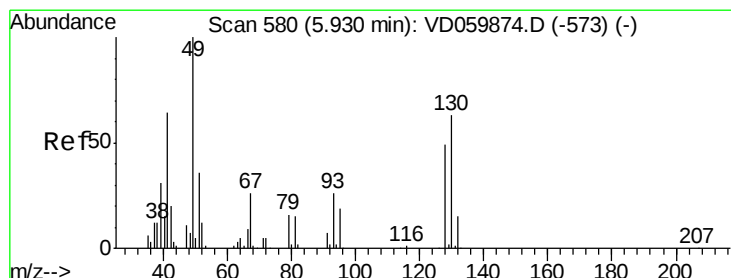
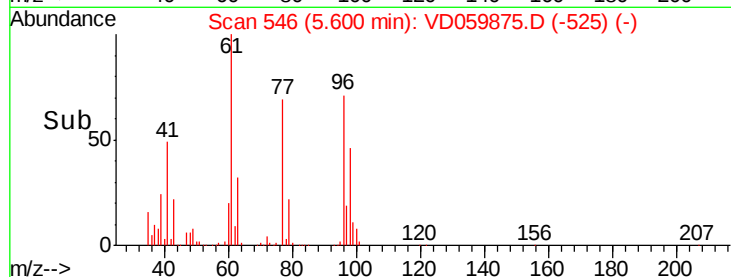
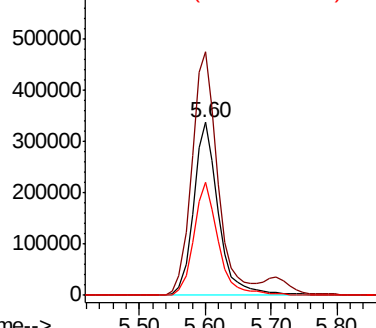
cis-1,2-Dichloroethene
Concen: 71.562 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 96 Resp: 883596
Ion Ratio Lower Upper
96 100
61 140.9 0.0 290.2
98 65.1 0.0 130.4



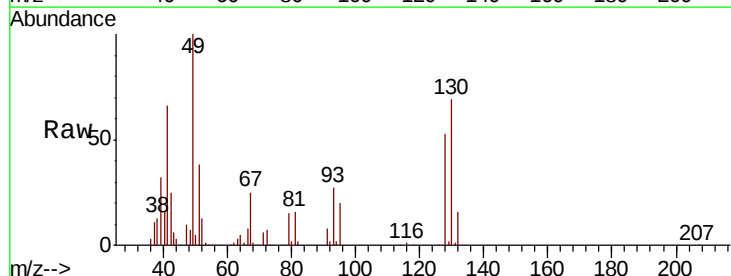
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



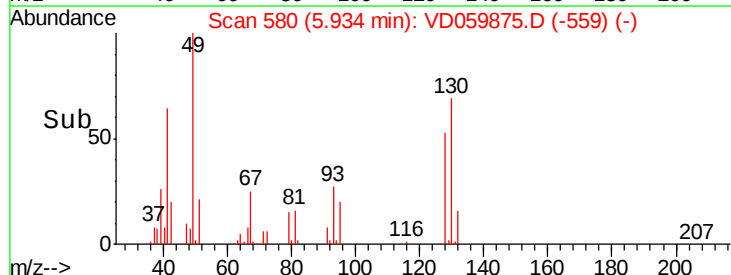
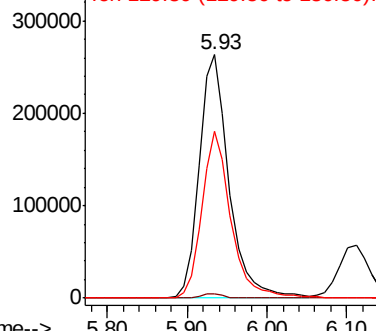
#28

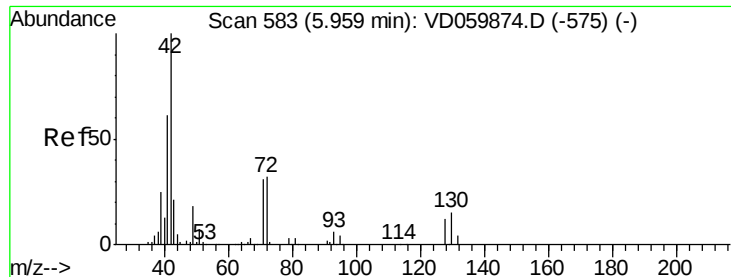
Bromochloromethane
Concen: 70.479 ug/l
RT: 5.93 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 49 Resp: 687101
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.2
130 68.5 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

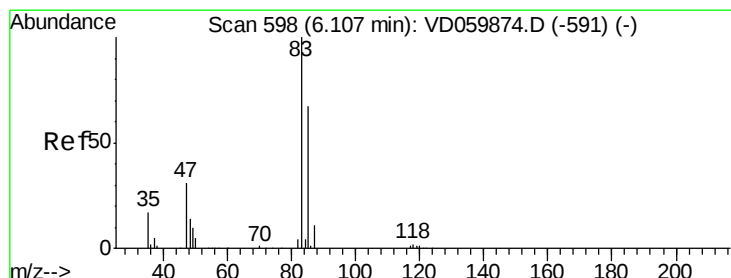
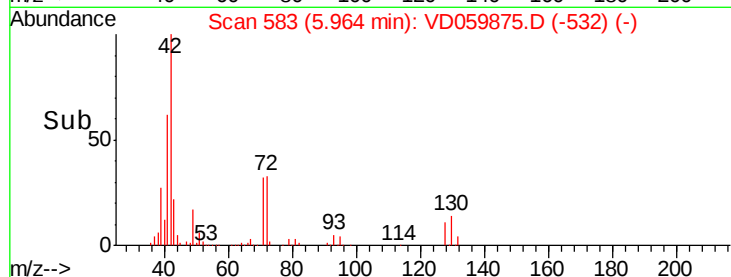
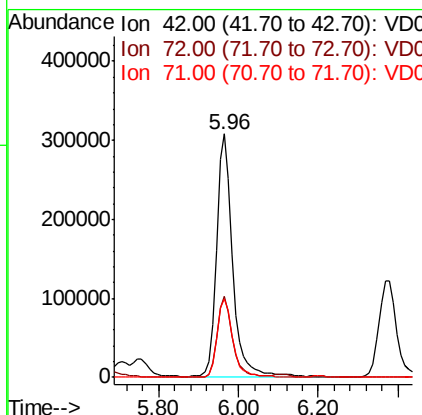
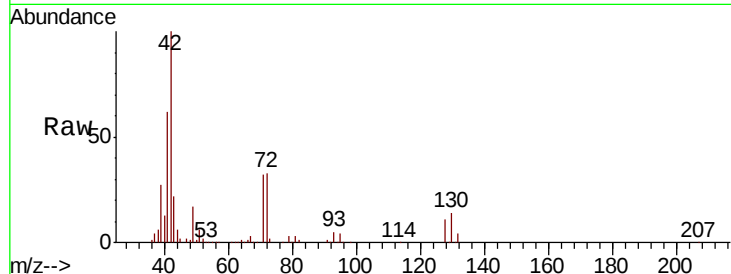




#29
Tetrahydrofuran
Concen: 340.139 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

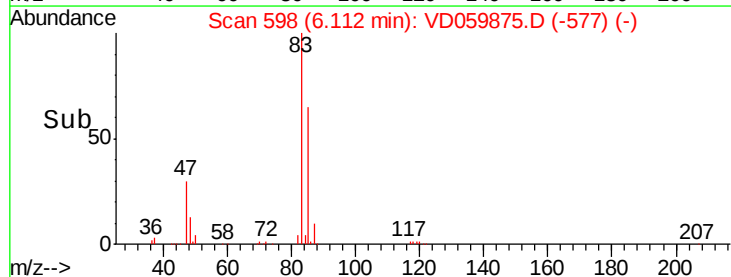
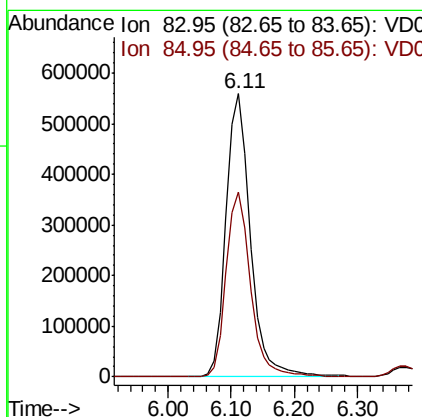
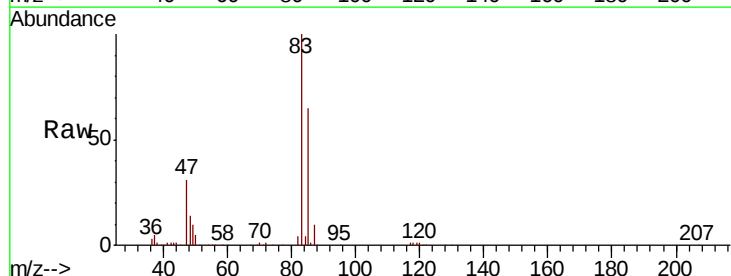
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

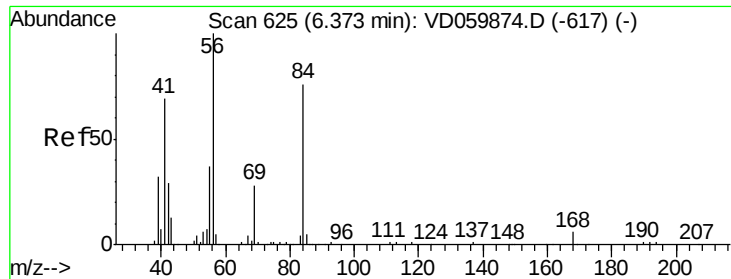
Tgt Ion: 42 Resp: 872512
Ion Ratio Lower Upper
42 100
72 31.7 25.7 38.5
71 32.3 25.3 37.9



#30
Chloroform
Concen: 72.443 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 83 Resp: 1501049
Ion Ratio Lower Upper
83 100
85 65.3 53.5 80.3

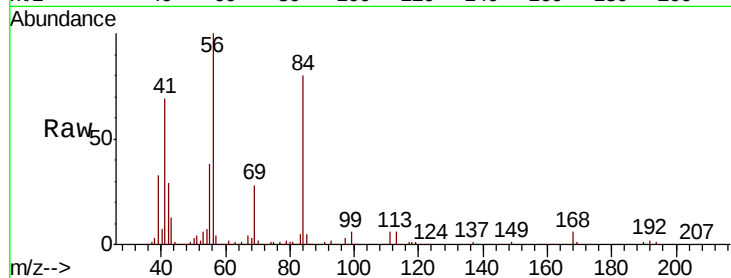




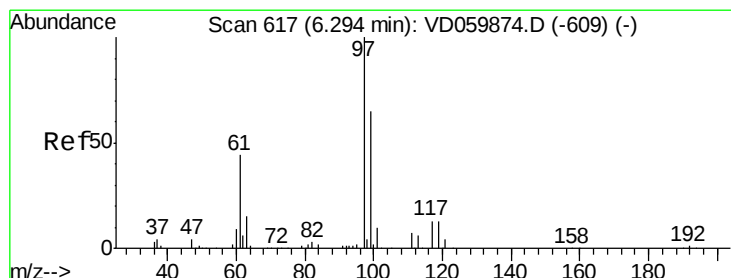
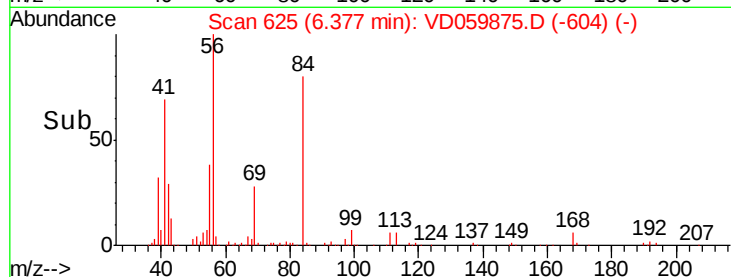
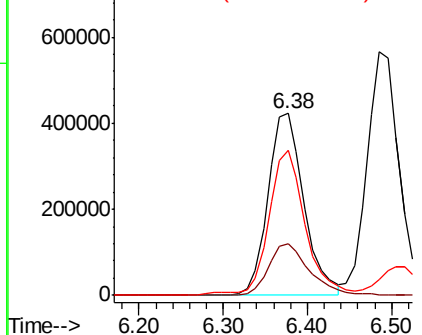
#31
Cyclohexane
Concen: 68.080 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 56 Resp: 1262153
Ion Ratio Lower Upper
56 100
69 28.4 22.4 33.6
84 79.8 62.1 93.1

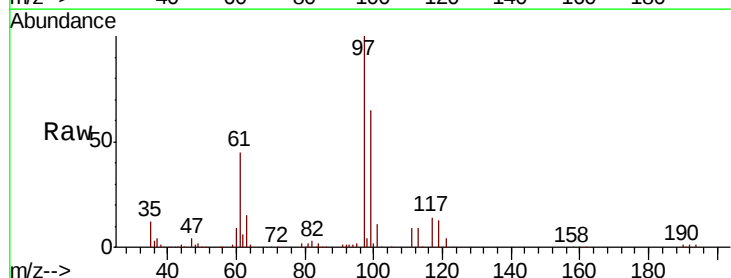


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

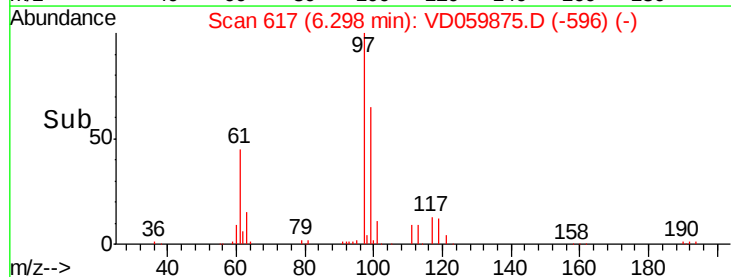
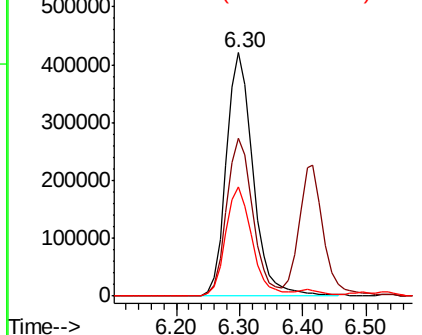


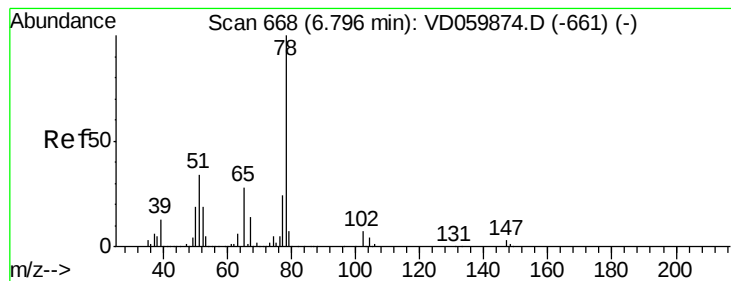
#32
1,1,1-Trichloroethane
Concen: 70.280 ug/l
RT: 6.30 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 97 Resp: 1235149
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 45.0 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: 70.280 ug/l

RT: 6.79 min Scan# 667

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

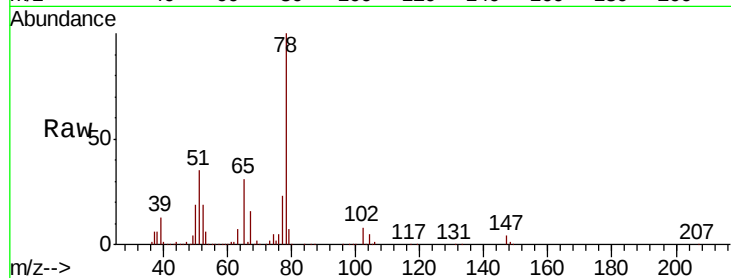
VSTDIC075

Tgt Ion: 65 Resp: 663738

Ion Ratio Lower Upper

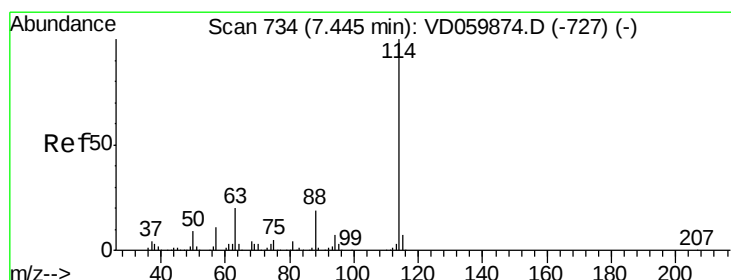
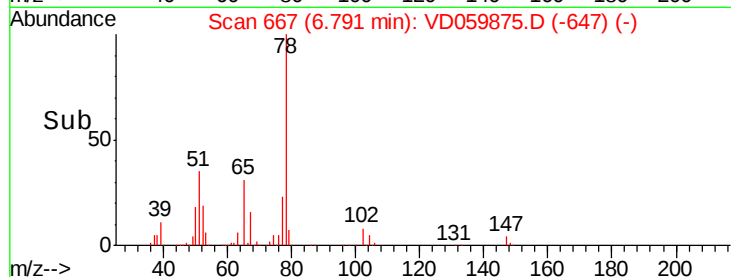
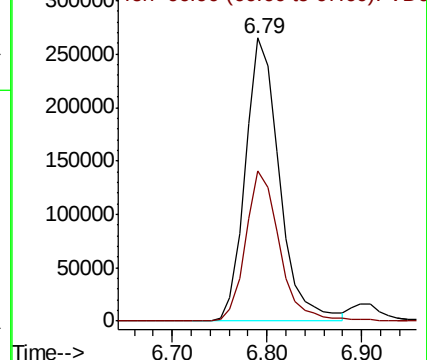
65 100

67 53.0 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: VD059875.D

Acq: 22 Aug 2018 14:37

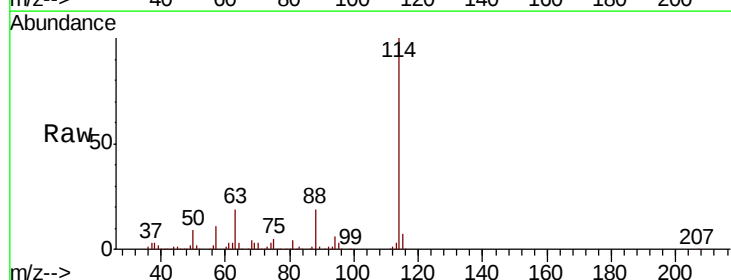
Tgt Ion: 114 Resp: 1642903

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

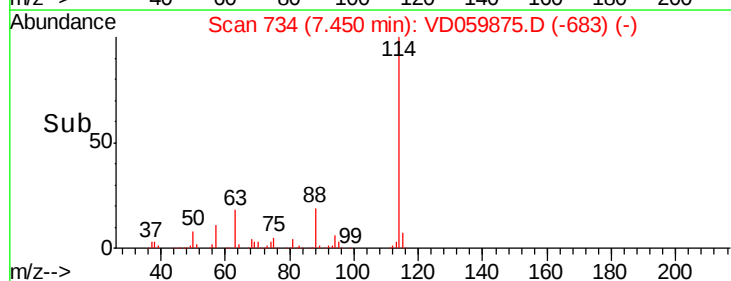
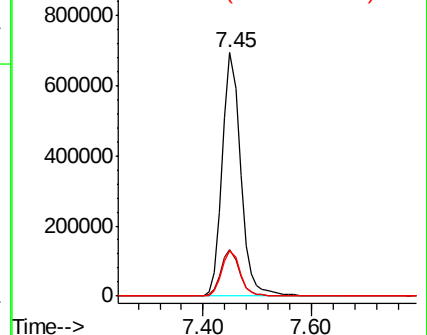
88 18.5 0.0 37.6

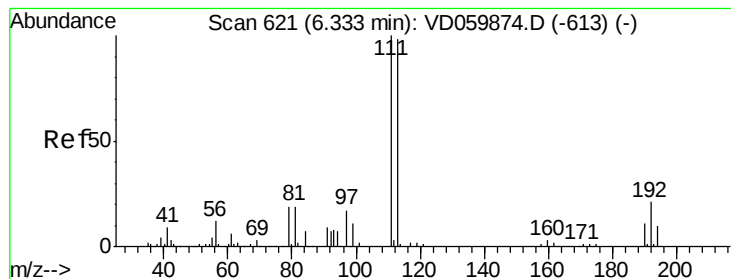


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

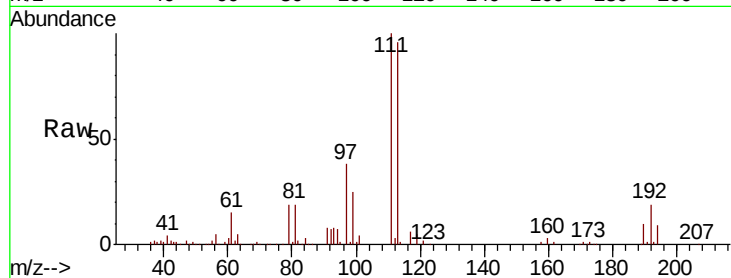
Tgt Ion:113 Resp: 878236

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.2

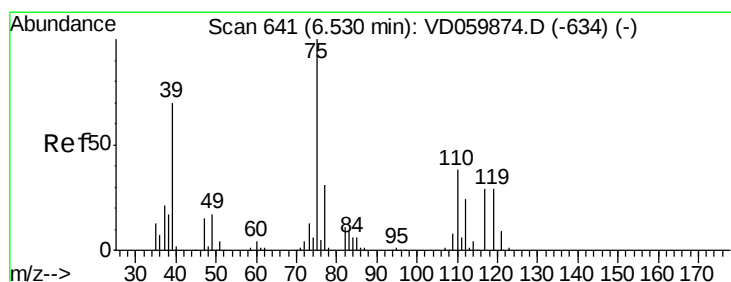
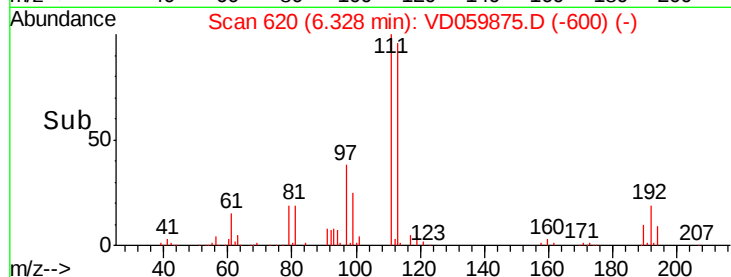
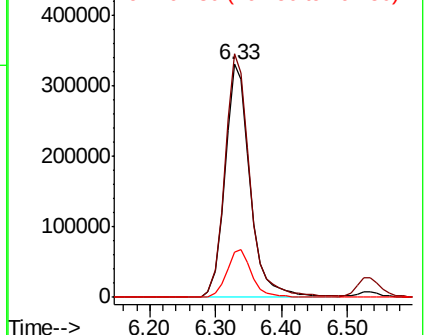
192 19.6 17.0 25.6



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: 73.752 ug/l

RT: 6.53 min Scan# 641

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

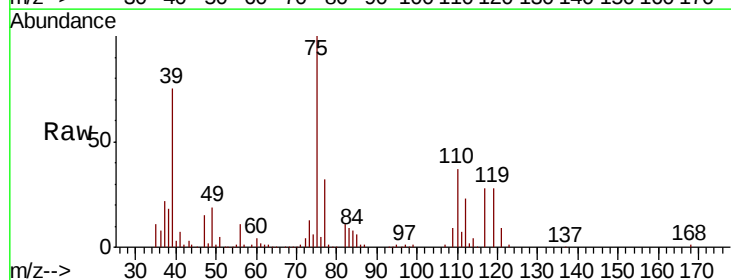
Tgt Ion: 75 Resp: 1074577

Ion Ratio Lower Upper

75 100

110 37.1 18.6 56.0

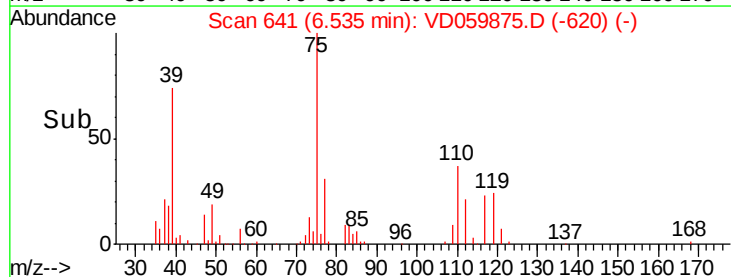
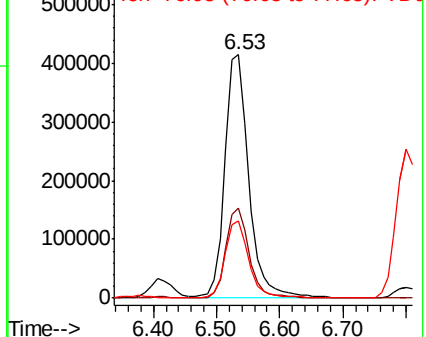
77 31.5 25.1 37.7

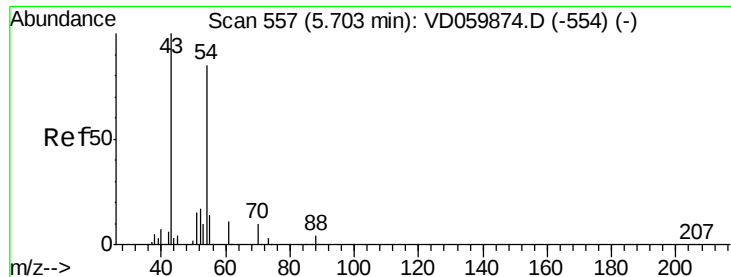


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

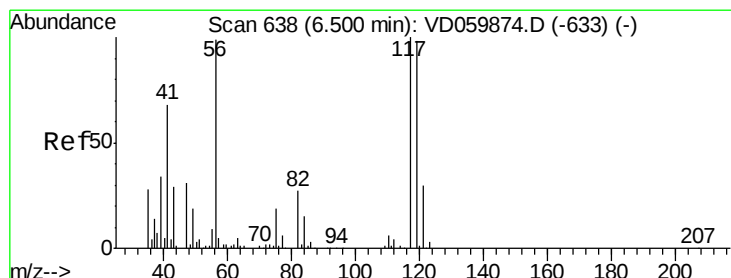
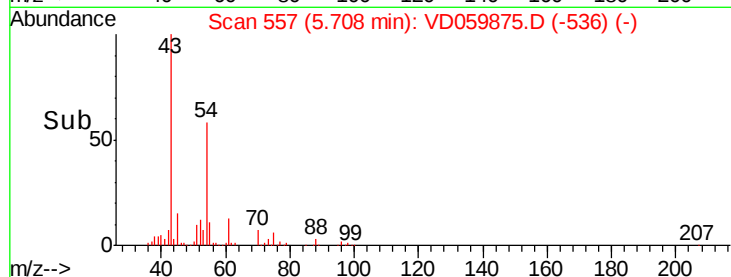
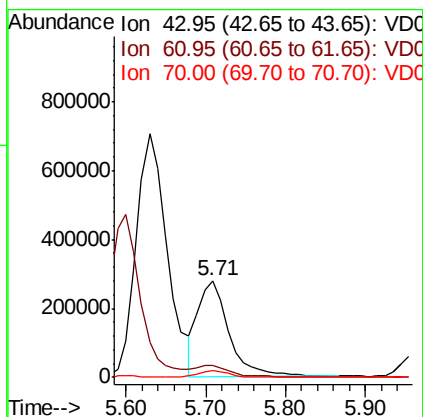
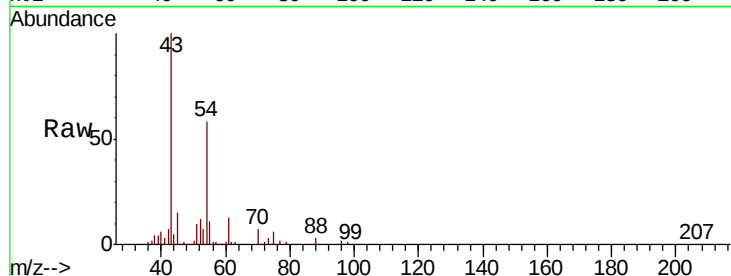




#37
Ethyl Acetate
Concen: 64.057 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

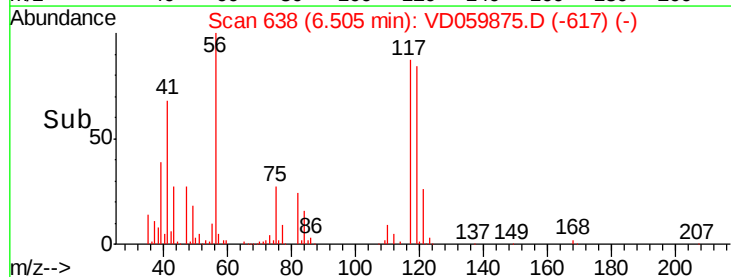
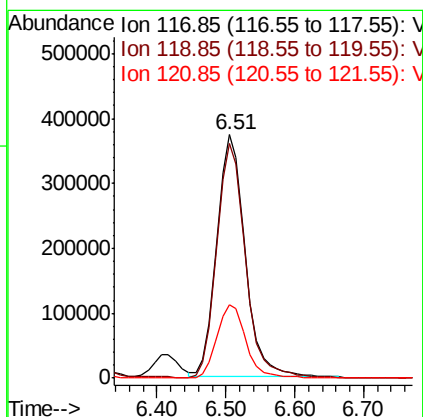
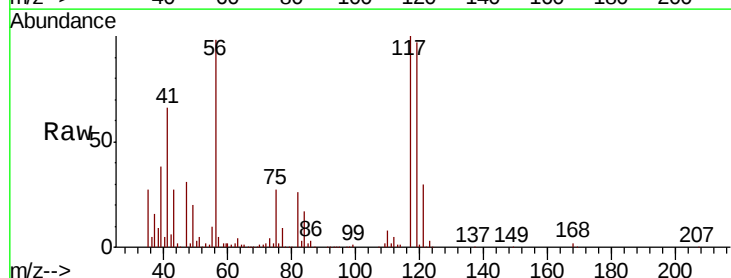
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

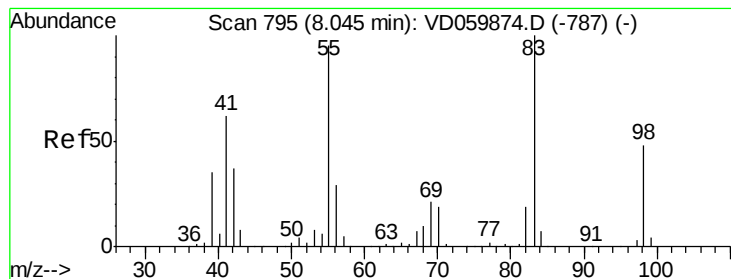
Tgt Ion: 43 Resp: 748958
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.6
70 7.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 72.089 ug/l
RT: 6.51 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 117 Resp: 1064634
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 30.3 24.0 36.0





#39

Methylcyclohexane

Concen: 72.917 ug/l

RT: 8.05 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

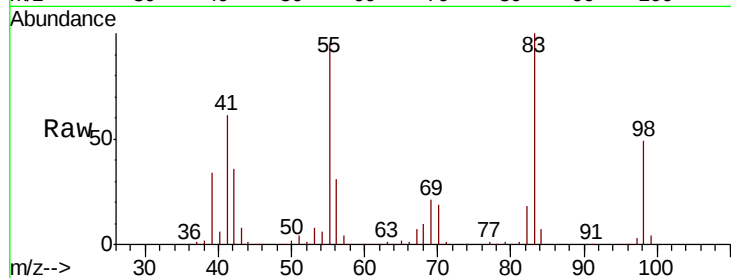
Tgt Ion: 83 Resp: 1172707

Ion Ratio Lower Upper

83 100

55 95.2 75.8 113.6

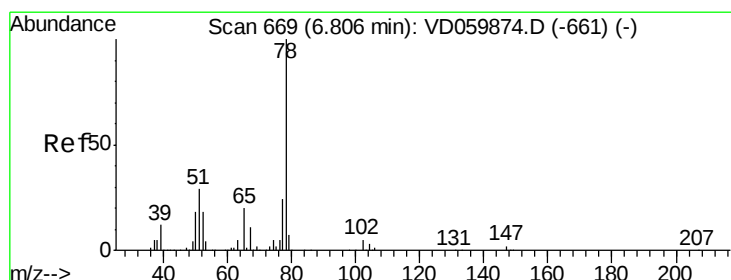
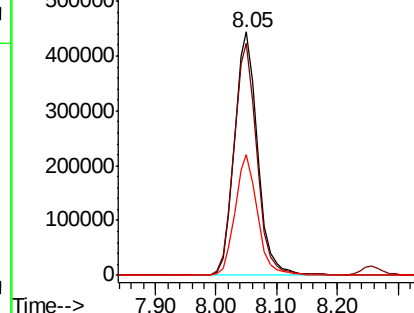
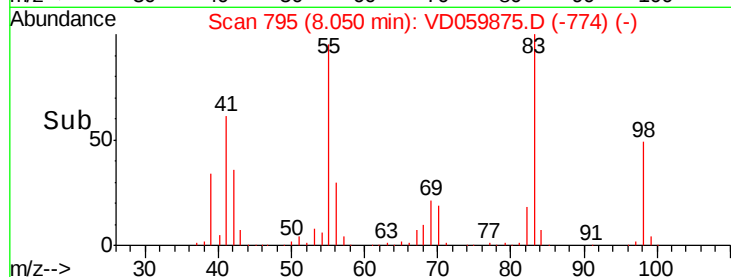
98 49.4 38.3 57.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 73.562 ug/l

RT: 6.80 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD059875.D

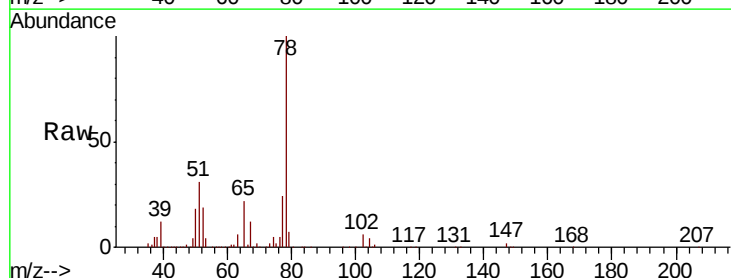
Acq: 22 Aug 2018 14:37

Tgt Ion: 78 Resp: 2808922

Ion Ratio Lower Upper

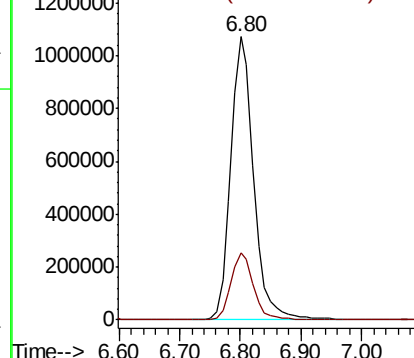
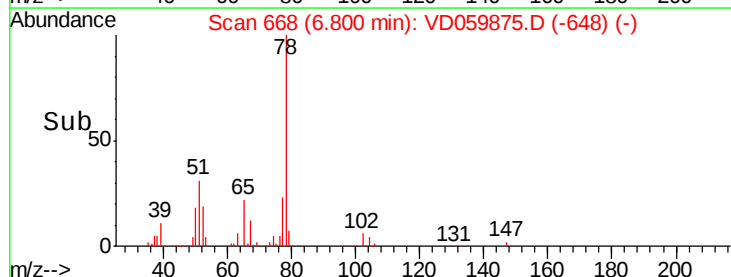
78 100

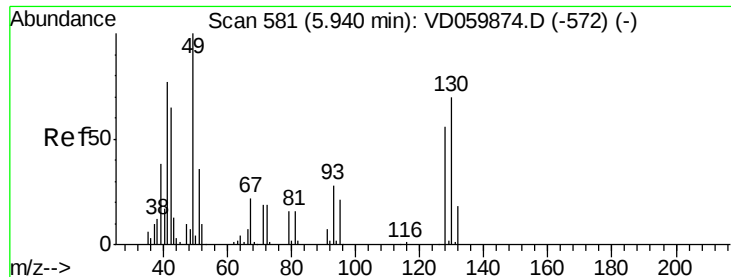
77 23.6 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 85.135 ug/l

RT: 5.95 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 893320

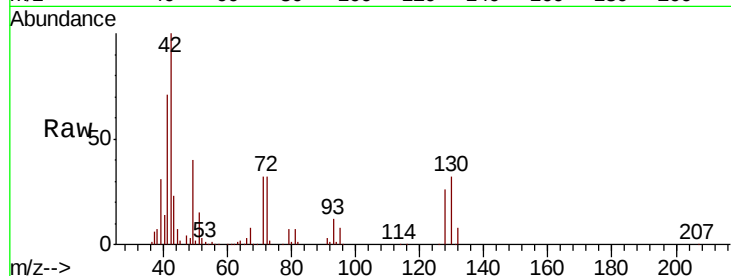
Ion Ratio Lower Upper

41 100

39 43.6 39.4 59.2

67 11.3 22.2 33.2#

52 4.7 10.1 15.1#

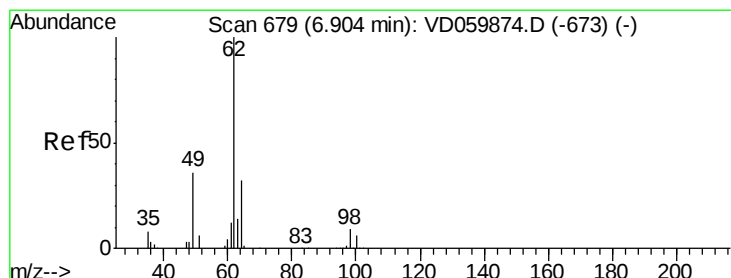
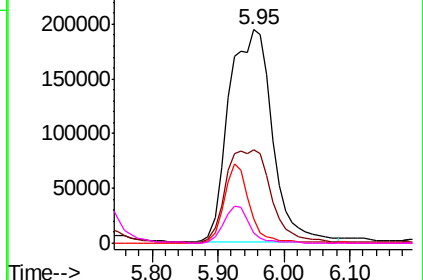
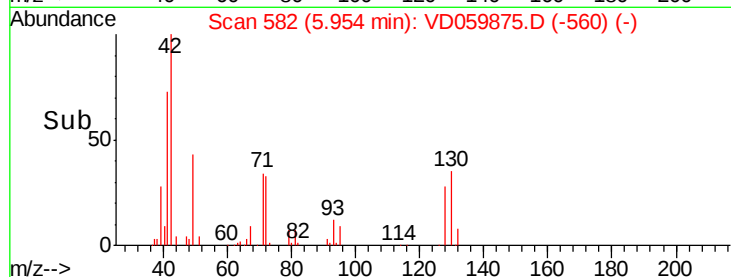


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 71.485 ug/l

RT: 6.90 min Scan# 678

Delta R.T. -0.01 min

Lab File: VD059875.D

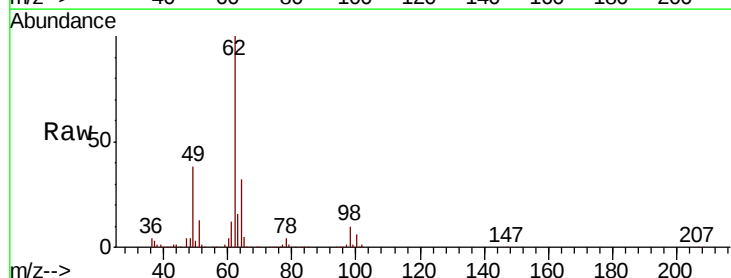
Acq: 22 Aug 2018 14:37

Tgt Ion: 62 Resp: 890342

Ion Ratio Lower Upper

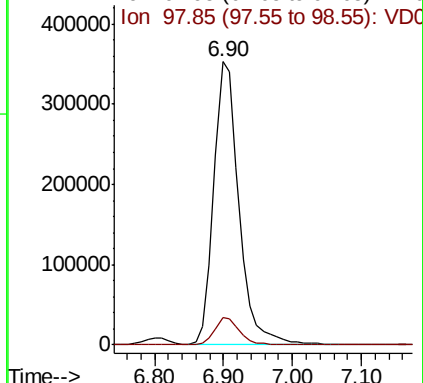
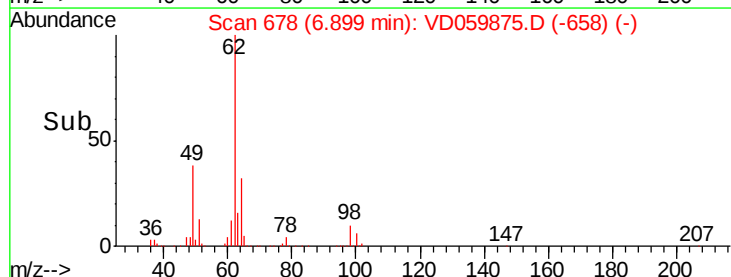
62 100

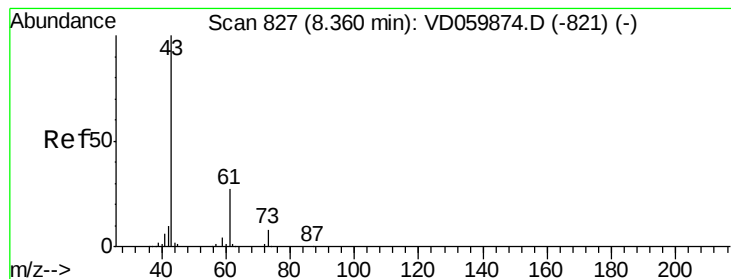
98 9.5 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 68.585 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

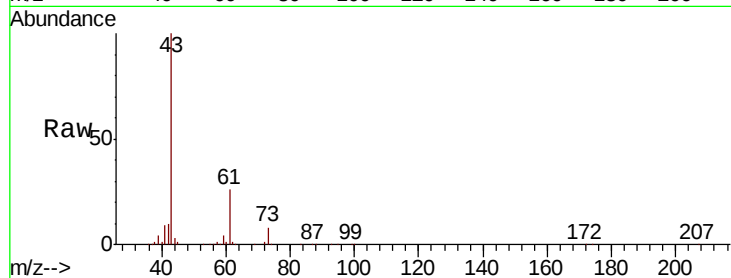
Tgt Ion: 43 Resp: 1053714

Ion Ratio Lower Upper

43 100

61 26.3 21.4 32.2

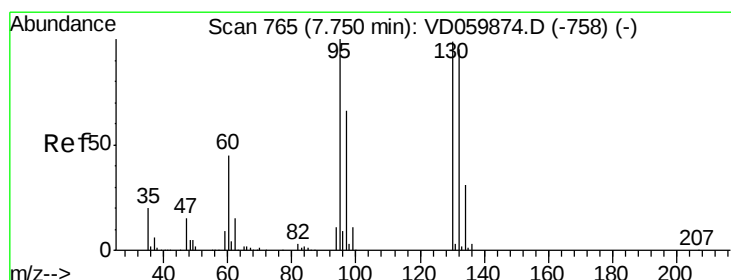
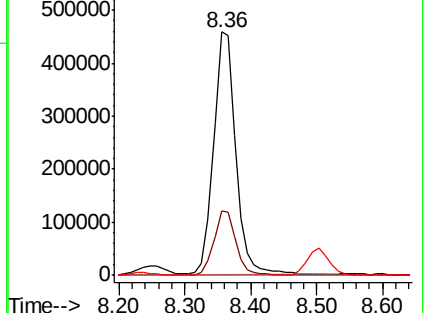
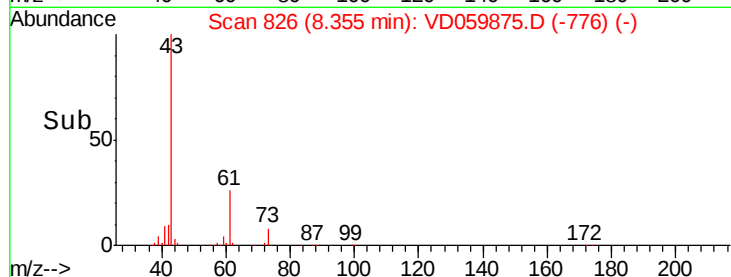
87 0.3 0.2 0.4



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: 74.701 ug/l

RT: 7.75 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059875.D

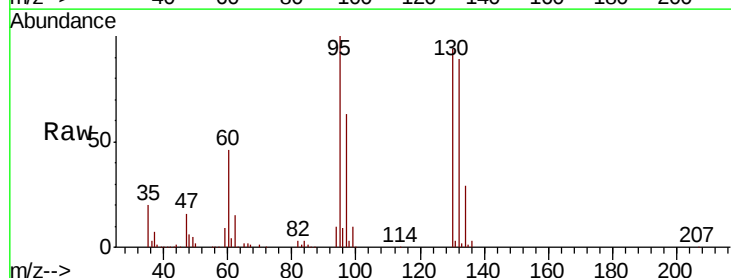
Acq: 22 Aug 2018 14:37

Tgt Ion: 130 Resp: 837847

Ion Ratio Lower Upper

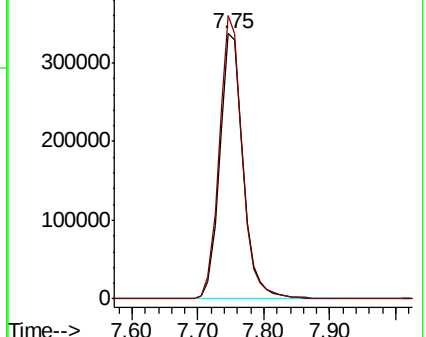
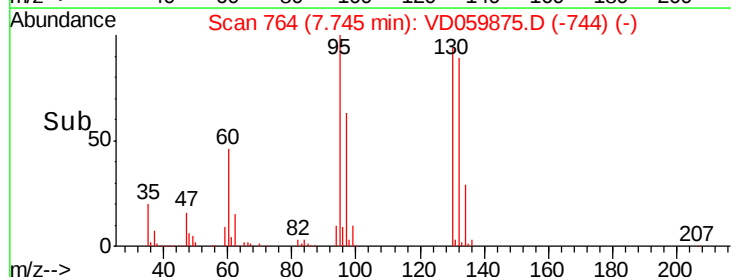
130 100

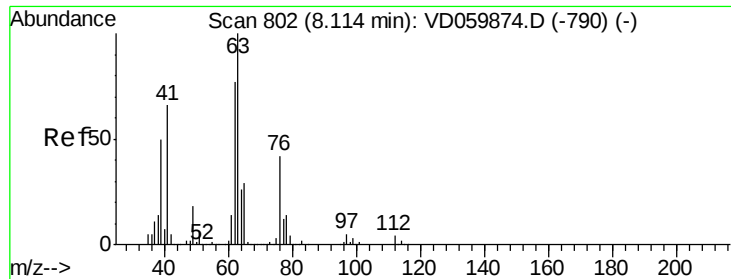
95 106.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 70.908 ug/l

RT: 8.11 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

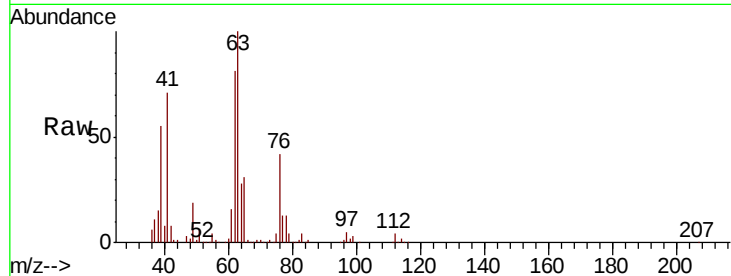
VSTDIC075

Tgt Ion: 63 Resp: 766580

Ion Ratio Lower Upper

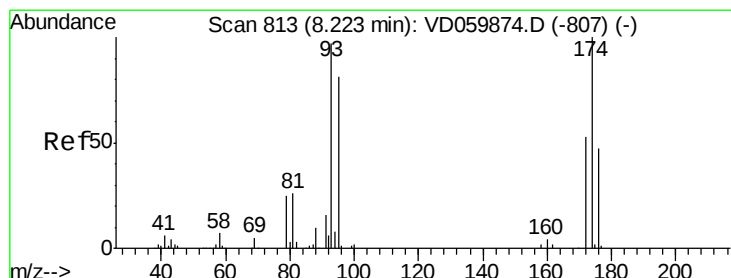
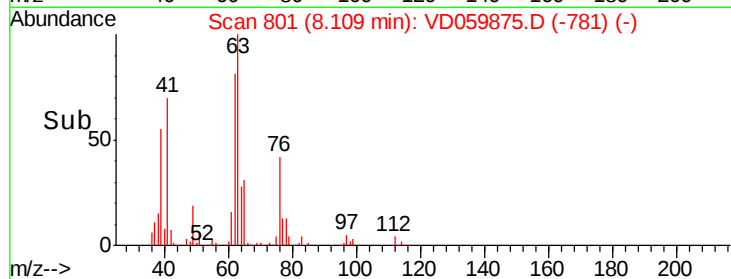
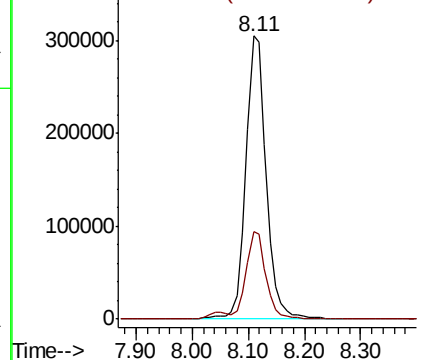
63 100

65 31.1 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: 72.387 ug/l

RT: 8.23 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

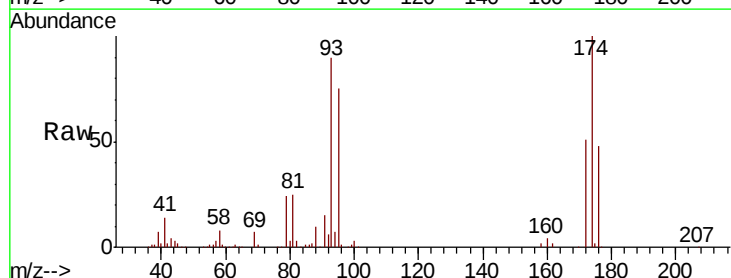
Tgt Ion: 93 Resp: 501545

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

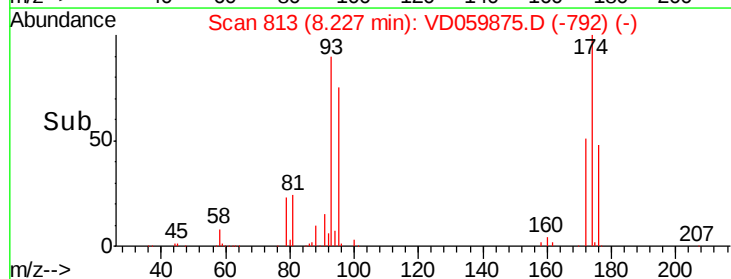
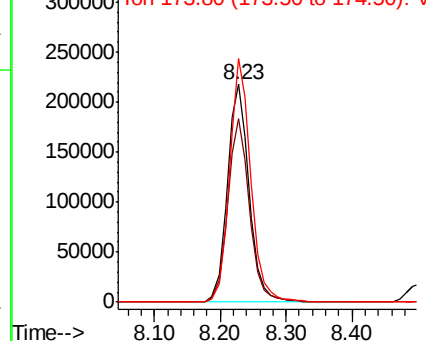
174 111.7 82.4 123.6

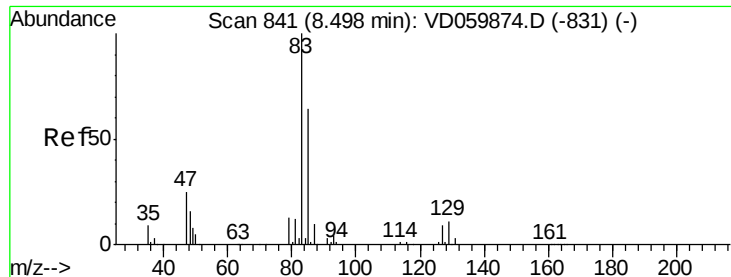


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 70.458 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

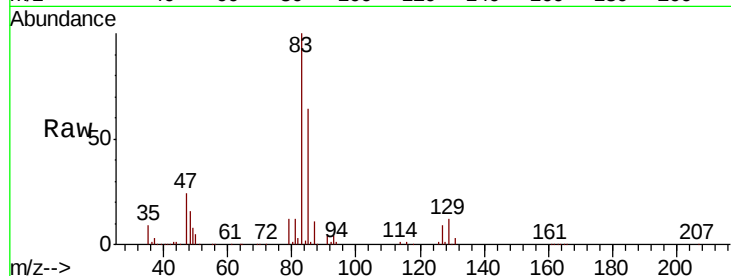
Tgt Ion: 83 Resp: 1103473

Ion Ratio Lower Upper

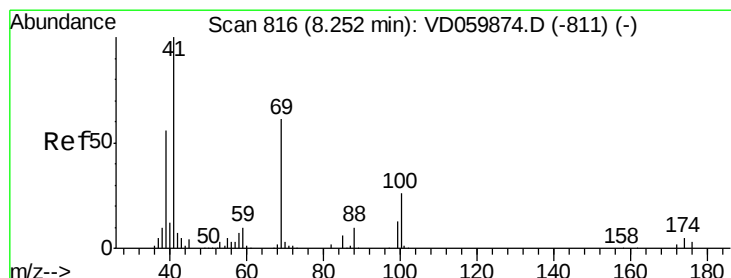
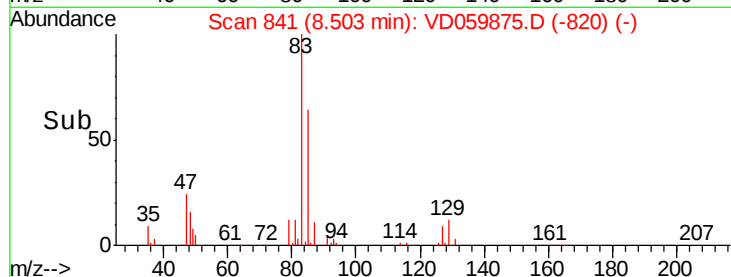
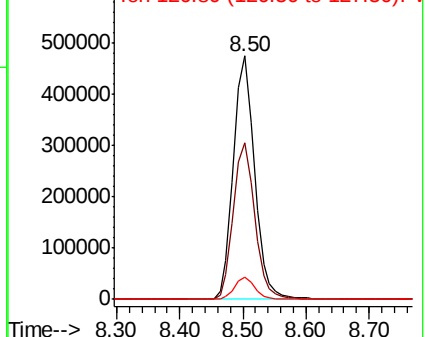
83 100

85 64.2 51.3 76.9

127 9.1 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: 71.699 ug/l

RT: 8.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

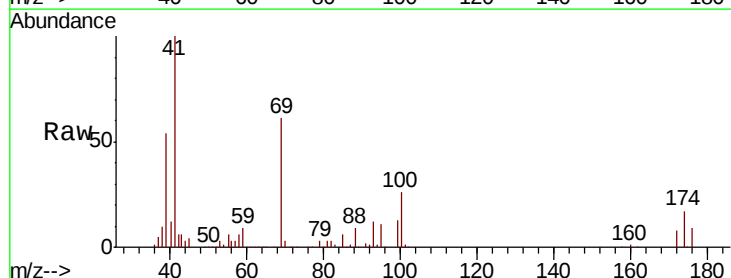
Tgt Ion: 41 Resp: 620085

Ion Ratio Lower Upper

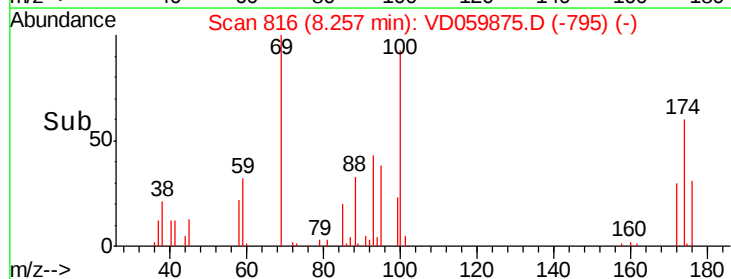
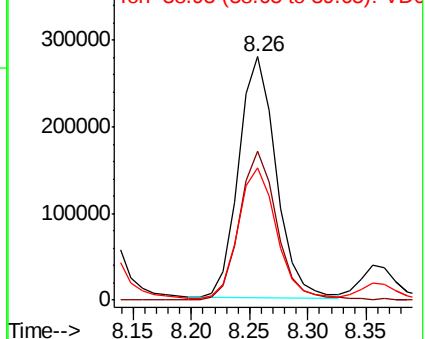
41 100

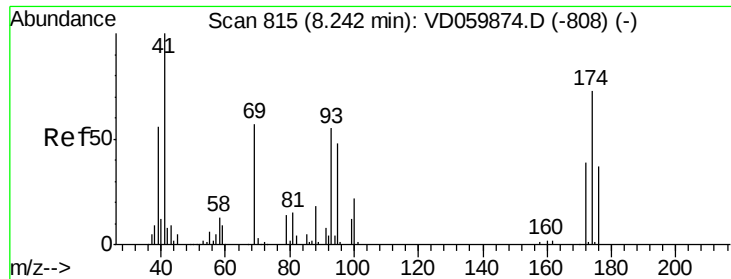
69 61.0 48.0 72.0

39 54.5 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: 1404.162 ug/l

RT: 8.25 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

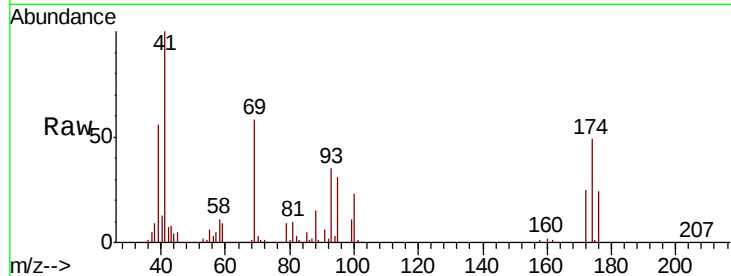
Tgt Ion: 88 Resp: 110734

Ion Ratio Lower Upper

88 100

43 51.4 45.0 67.6

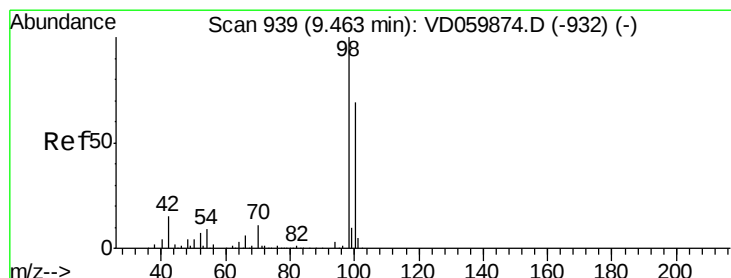
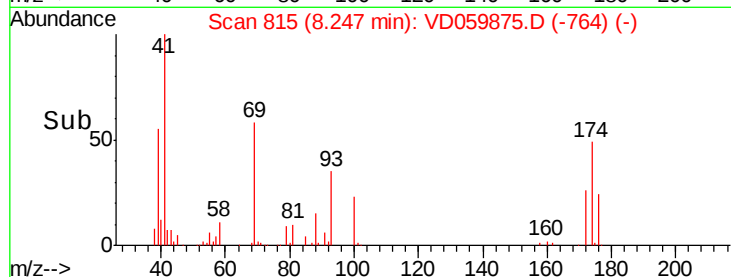
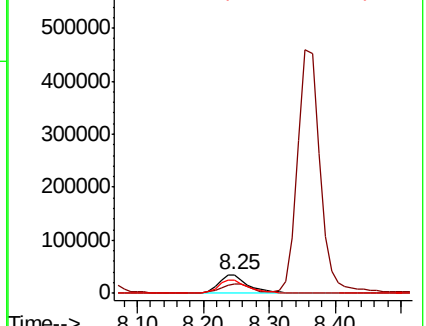
58 71.6 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1404.162 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059875.D

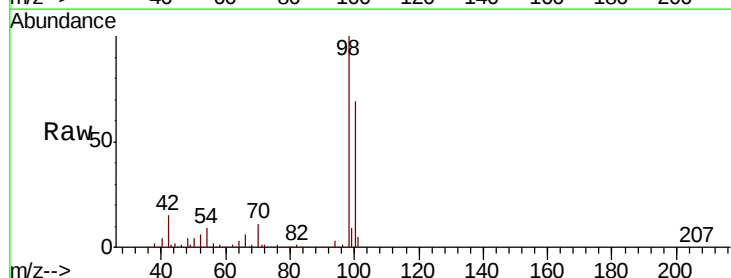
Acq: 22 Aug 2018 14:37

Tgt Ion: 98 Resp: 2363611

Ion Ratio Lower Upper

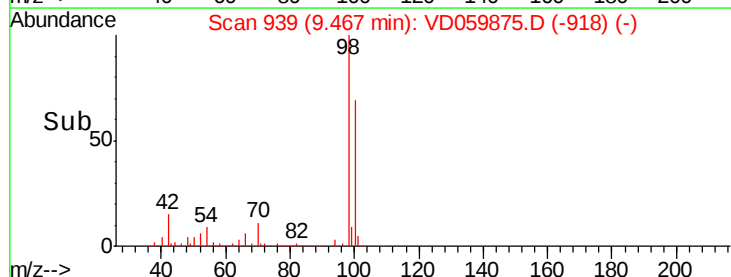
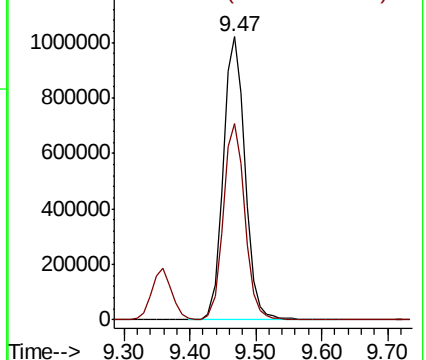
98 100

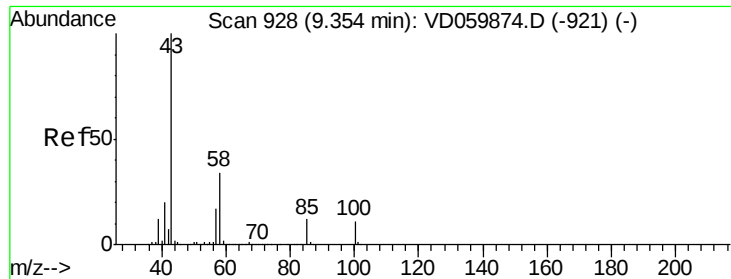
100 69.3 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

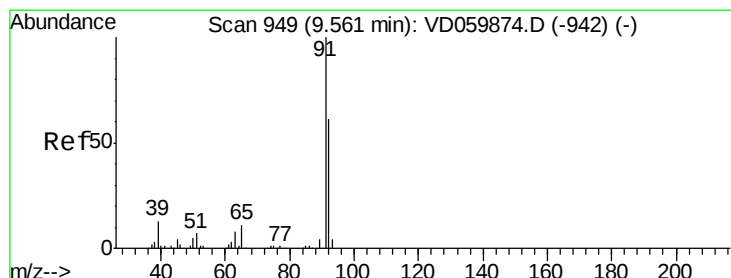
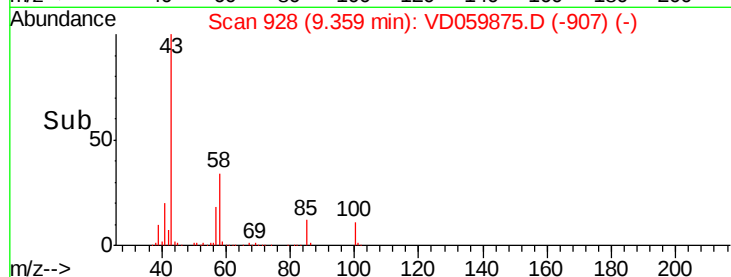
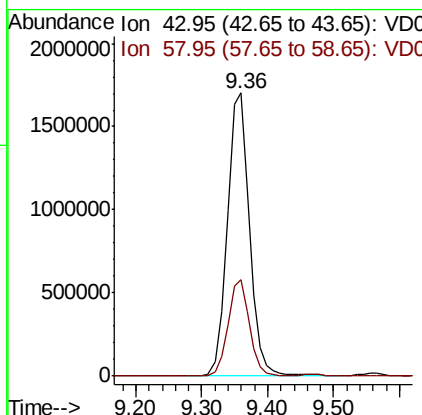
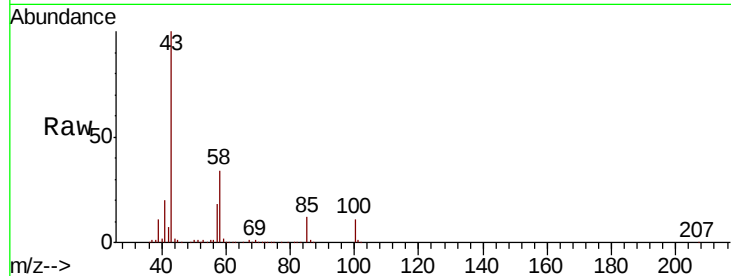




#51
 4-Methyl-2-Pentanone
 Concen: 374.244 ug/l
 RT: 9.36 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

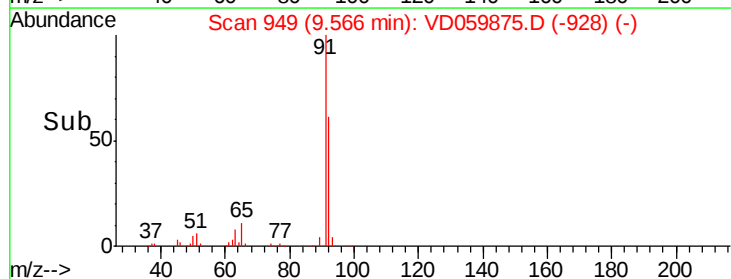
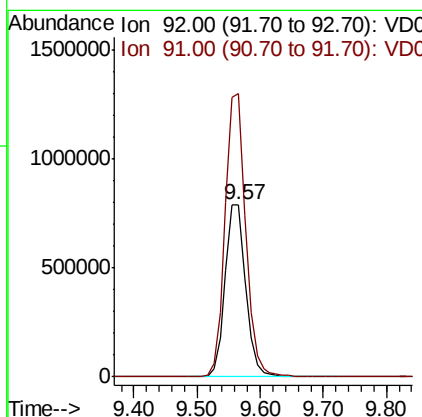
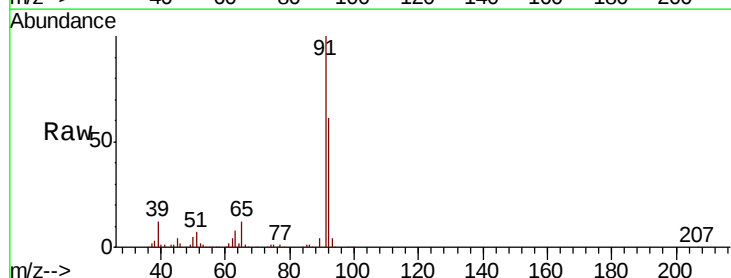
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

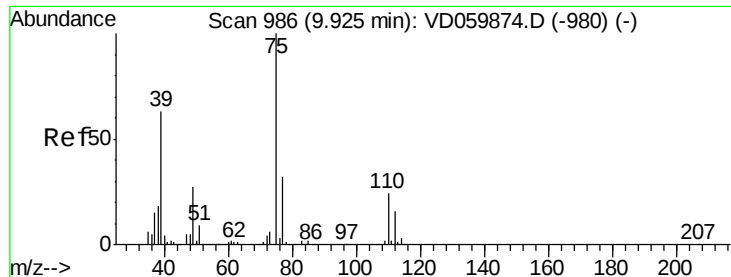
Tgt Ion: 43 Resp: 3996081
 Ion Ratio Lower Upper
 43 100
 58 34.2 27.0 40.4



#52
 Toluene
 Concen: 72.908 ug/l
 RT: 9.57 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 92 Resp: 1791230
 Ion Ratio Lower Upper
 92 100
 91 164.5 131.4 197.2

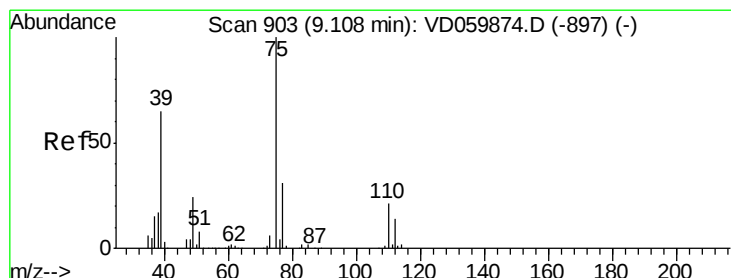
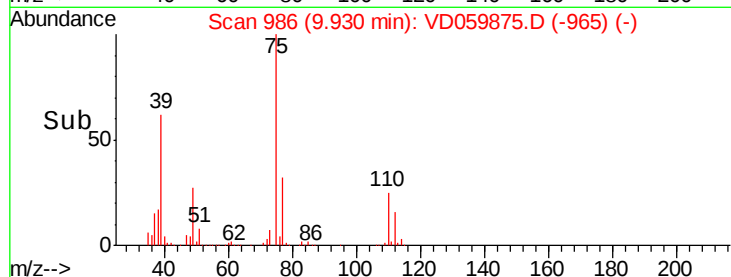
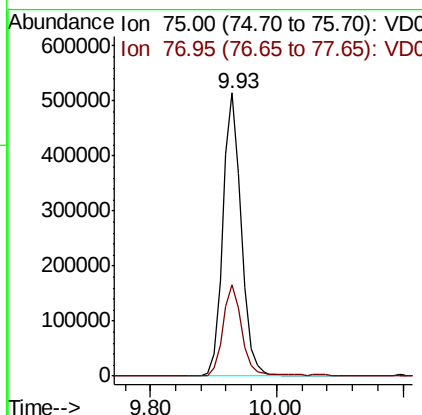
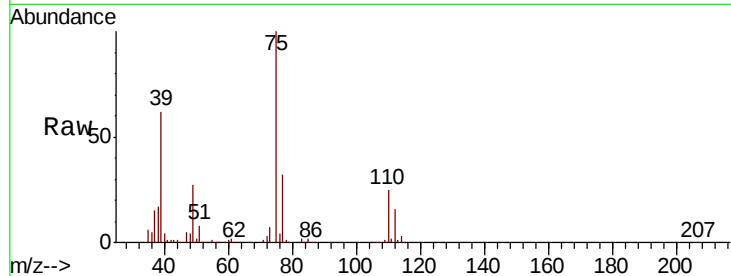




#53
 t-1,3-Dichloropropene
 Concen: 71.617 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

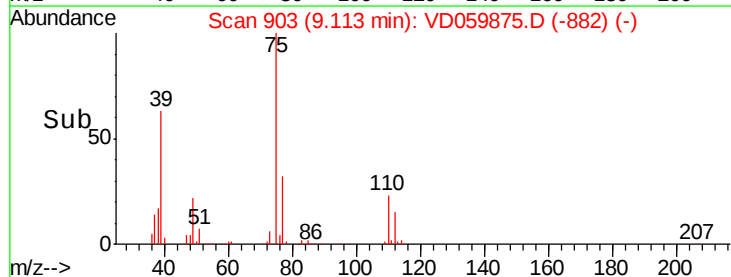
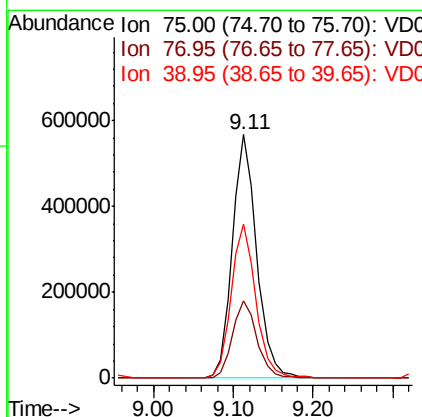
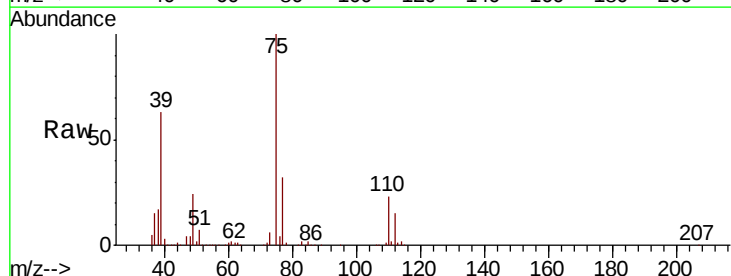
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

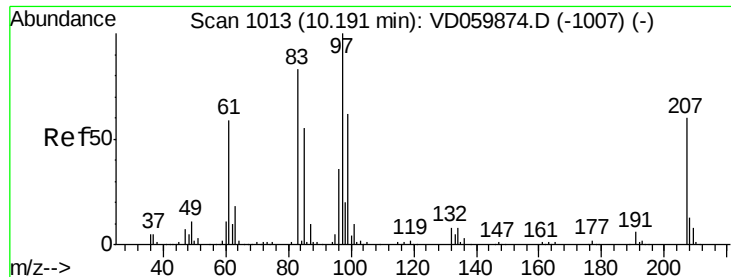
Tgt Ion: 75 Resp: 1040980
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 71.565 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 75 Resp: 1210707
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 63.3 52.1 78.1

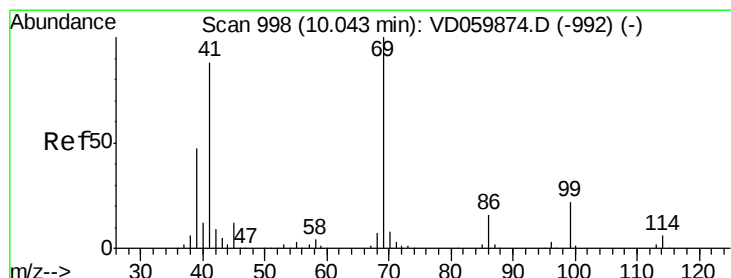
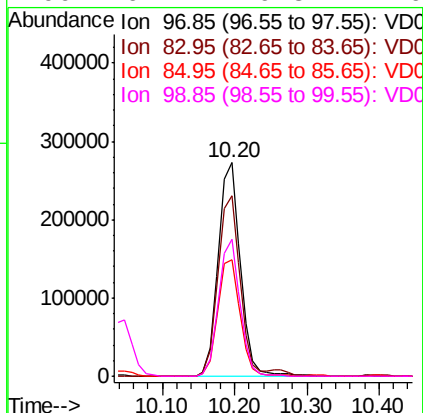
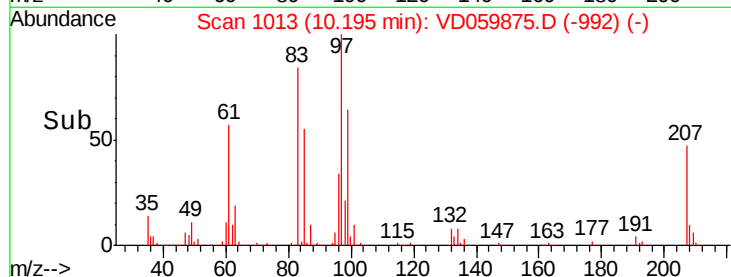
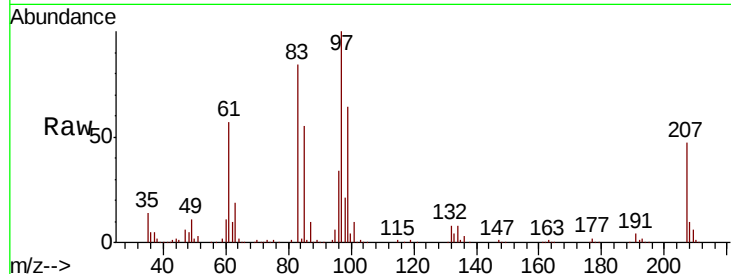




#55
 1,1,2-Trichloroethane
 Concen: 64.704 ug/l
 RT: 10.20 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

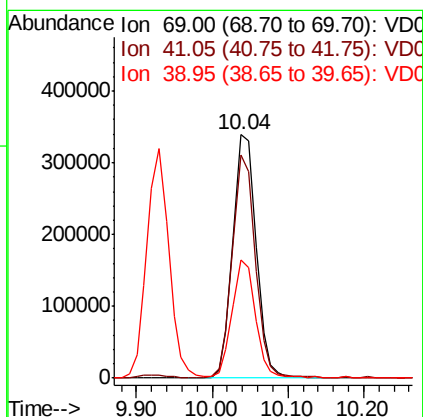
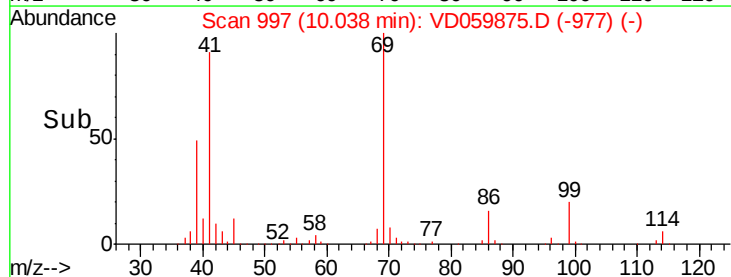
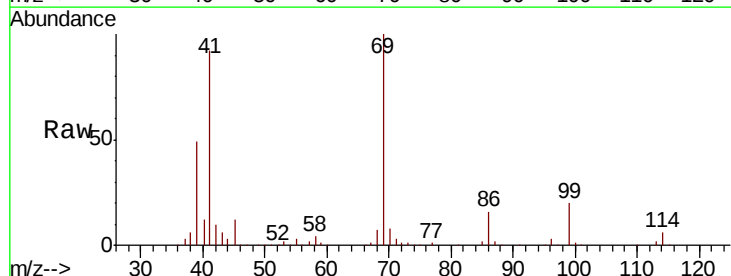
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

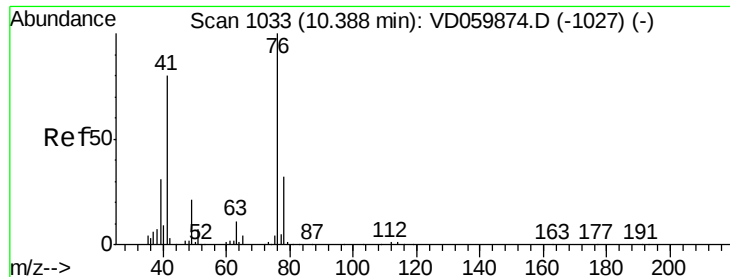
Tgt Ion: 97 Resp: 579060
 Ion Ratio Lower Upper
 97 100
 83 84.2 66.7 100.1
 85 54.7 43.8 65.6
 99 64.2 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 68.220 ug/l
 RT: 10.04 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 69 Resp: 726327
 Ion Ratio Lower Upper
 69 100
 41 91.6 71.0 106.4
 39 48.7 38.5 57.7

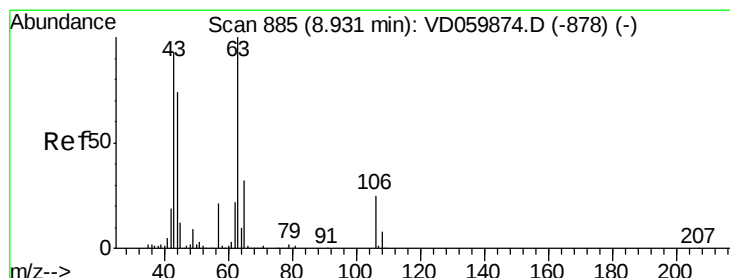
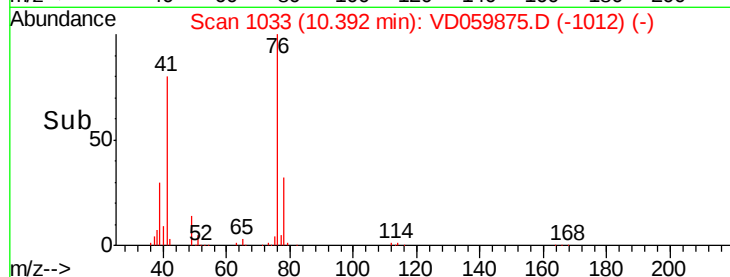
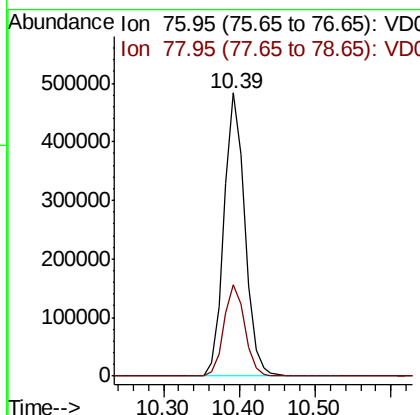
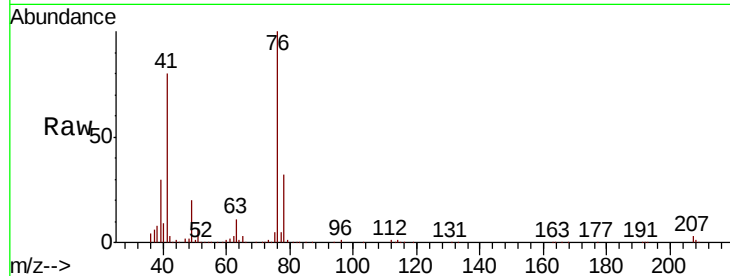




#57
 1,3-Dichloropropane
 Concen: 70.292 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

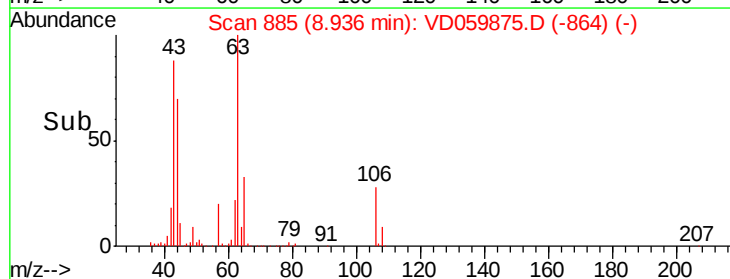
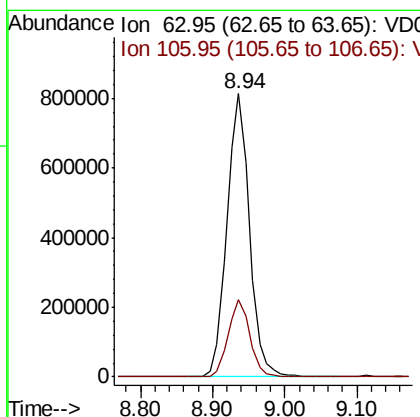
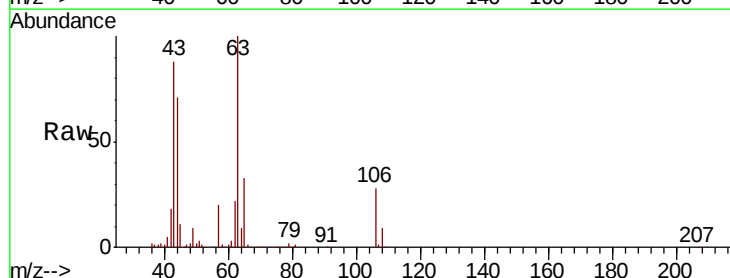
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

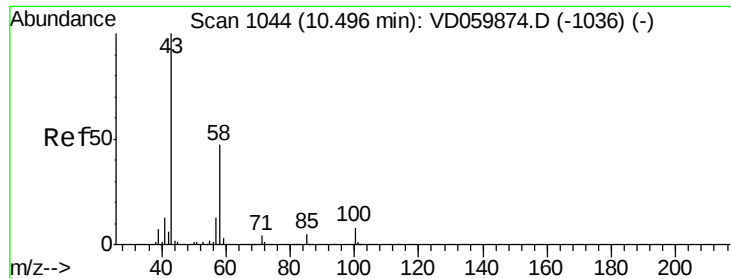
Tgt Ion: 76 Resp: 921241
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 347.885 ug/l
 RT: 8.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 63 Resp: 1765038
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.1 30.1

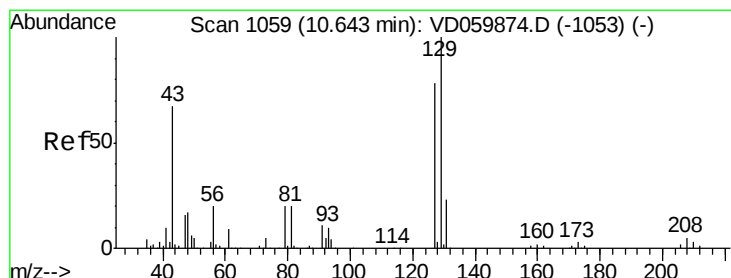
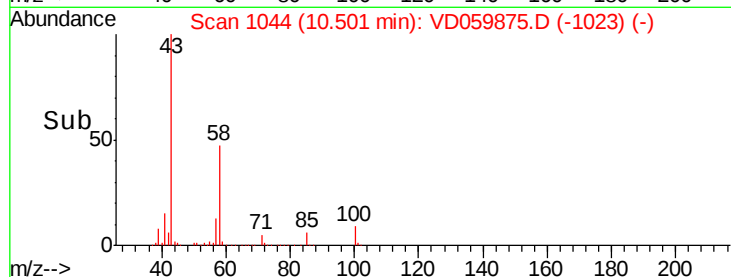
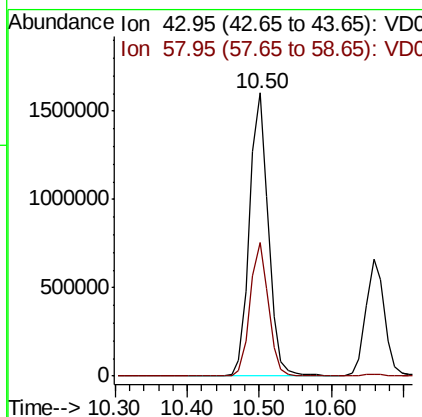
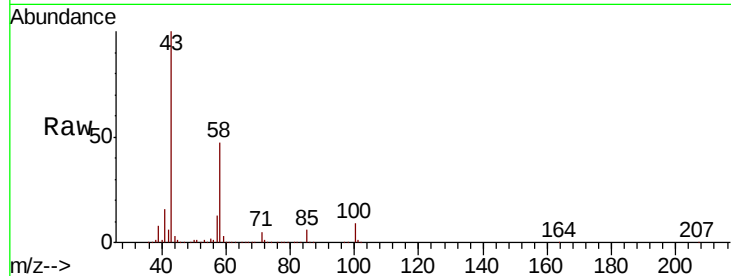




#59
2-Hexanone
Concen: 378.745 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

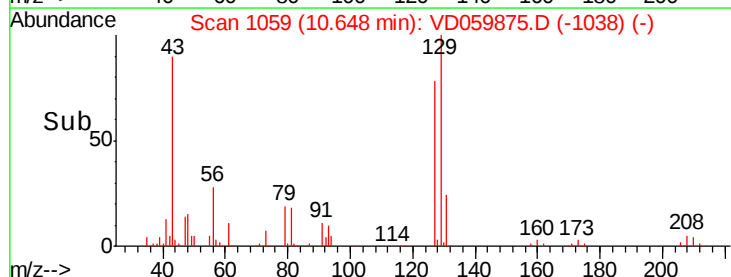
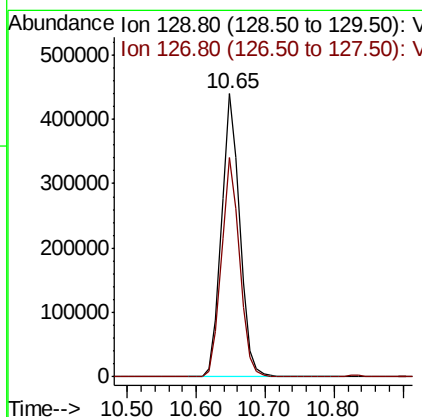
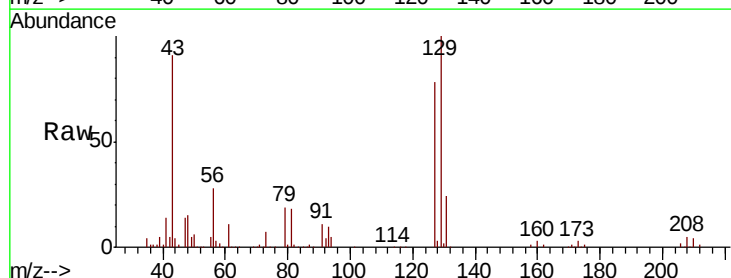
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

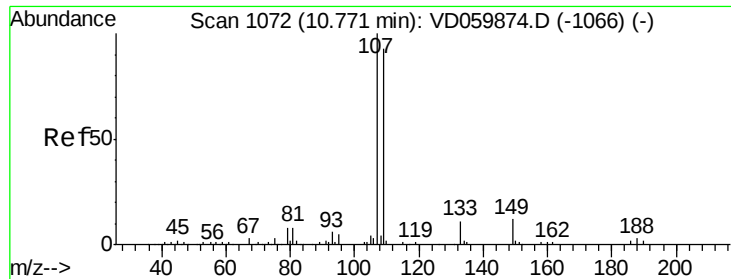
Tgt Ion: 43 Resp: 2932758
Ion Ratio Lower Upper
43 100
58 47.2 23.3 69.8



#60
Dibromochloromethane
Concen: 71.249 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 129 Resp: 812033
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2

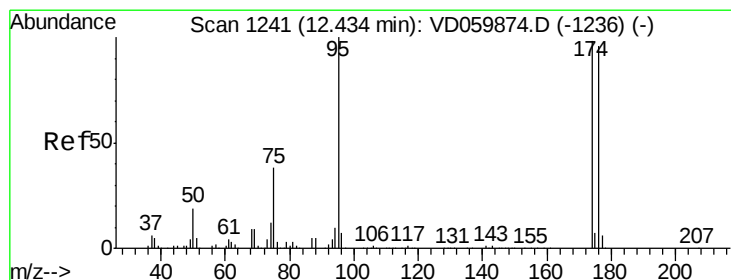
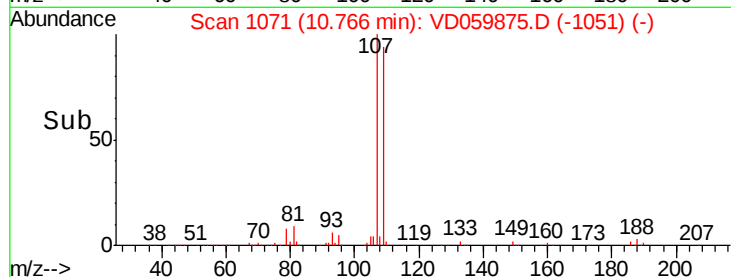
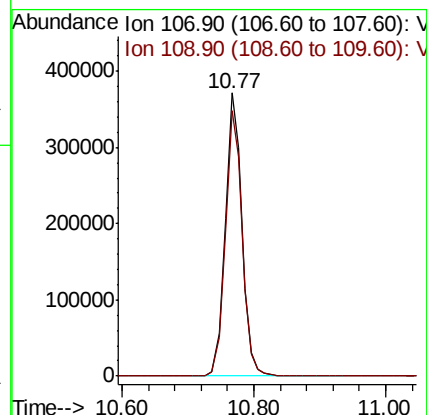
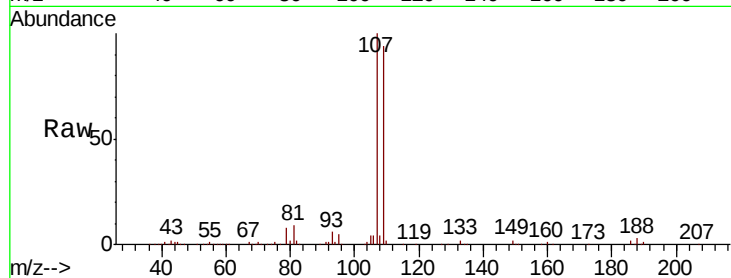




#61
1,2-Dibromoethane
Concen: 70.822 ug/l
RT: 10.77 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

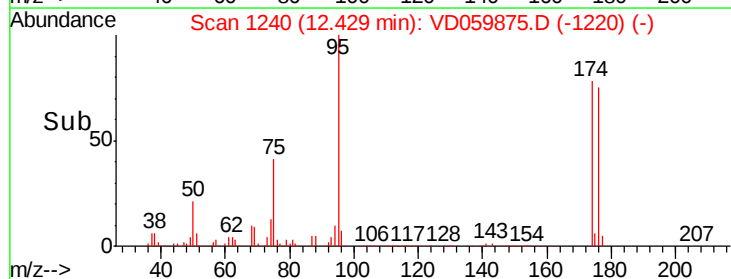
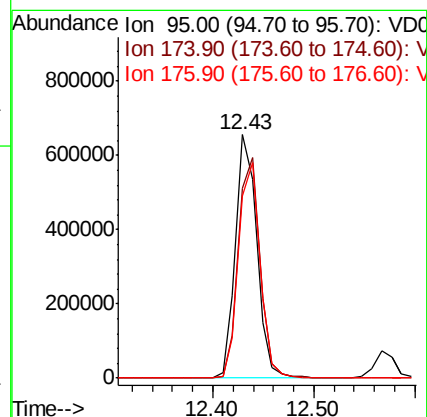
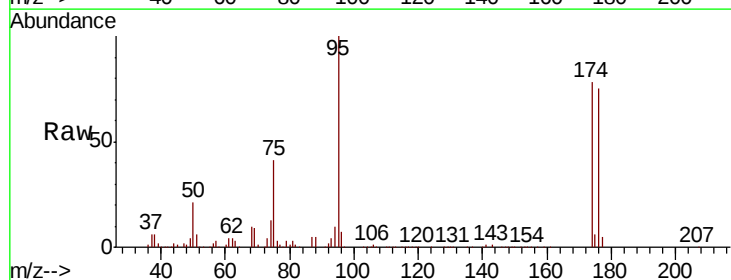
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

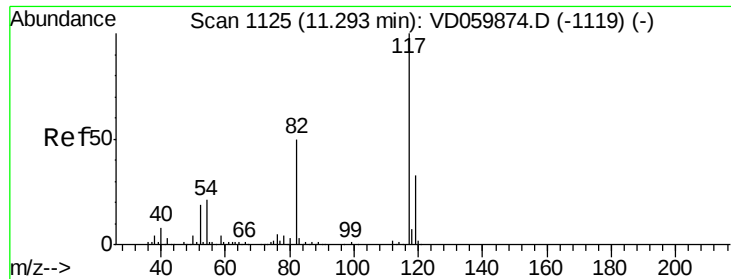
Tgt Ion: 107 Resp: 653613
Ion Ratio Lower Upper
107 100
109 94.0 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 70.822 ug/l
RT: 12.43 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 95 Resp: 965425
Ion Ratio Lower Upper
95 100
174 77.9 0.0 195.6
176 74.8 0.0 191.2

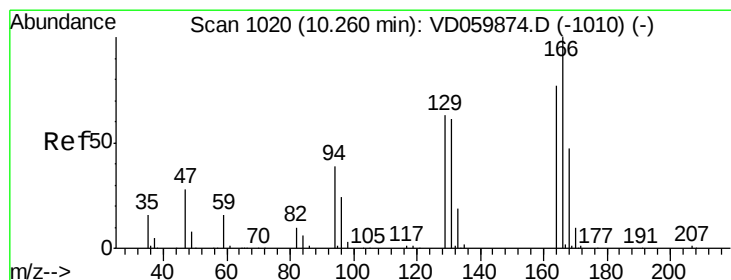
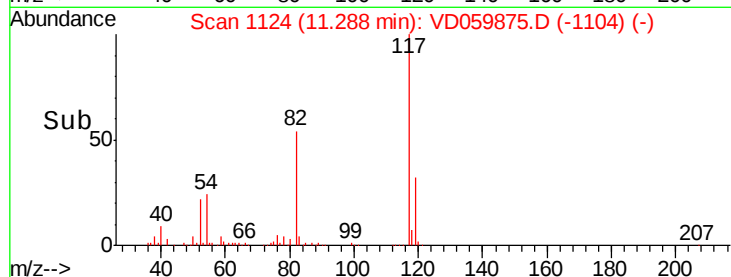
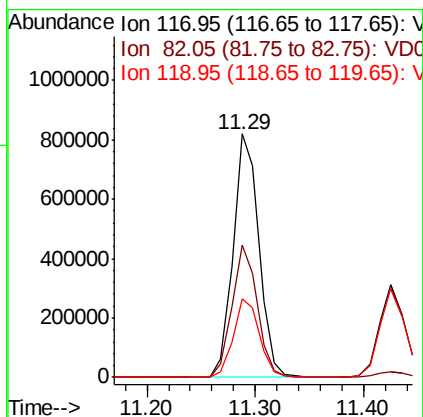
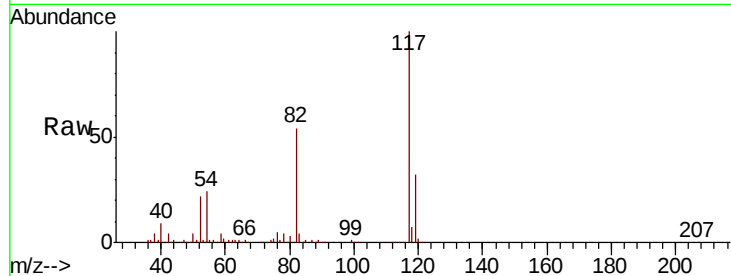




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

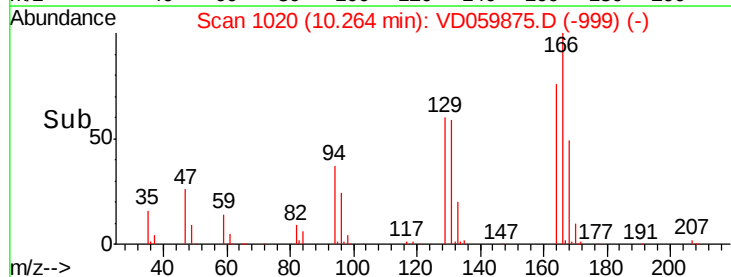
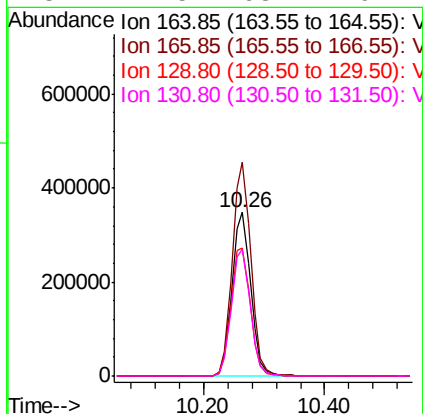
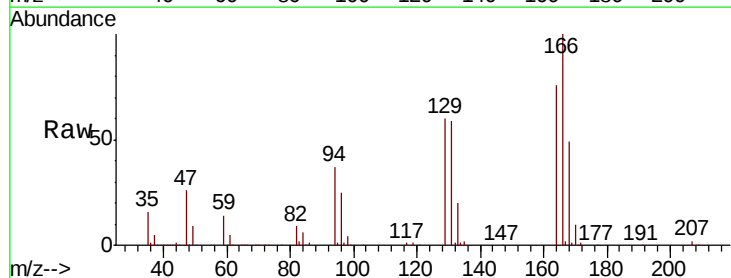
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1359501
Ion Ratio Lower Upper
117 100
82 54.3 40.1 60.1
119 32.3 26.7 40.1



#64
Tetrachloroethene
Concen: 71.914 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:164 Resp: 747068
Ion Ratio Lower Upper
164 100
166 130.8 103.4 155.2
129 78.7 65.2 97.8
131 77.5 63.1 94.7

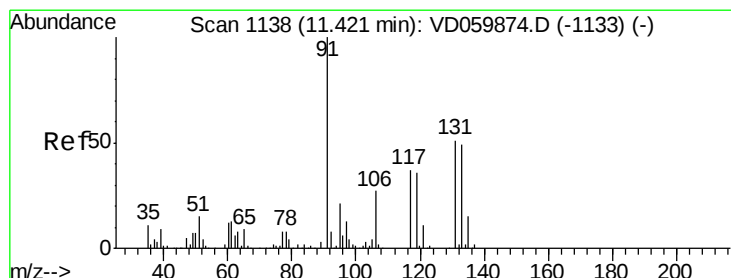
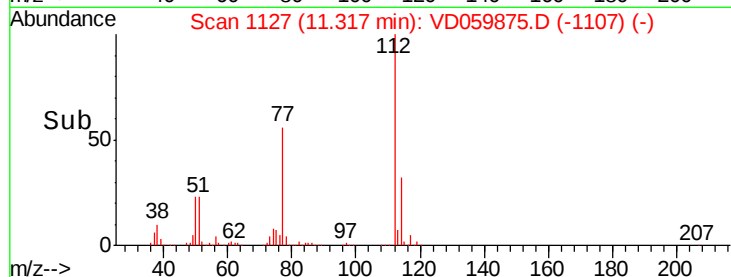
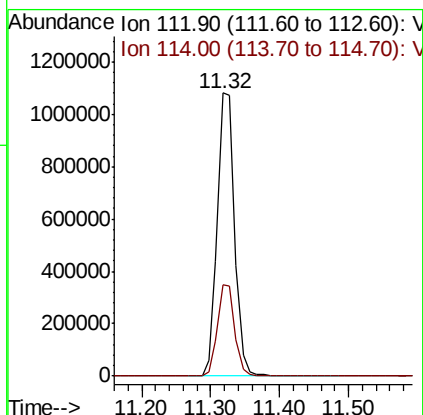
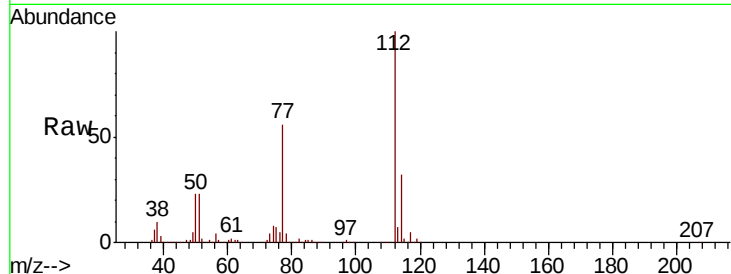




#65
Chlorobenzene
Concen: 71.075 ug/l
RT: 11.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

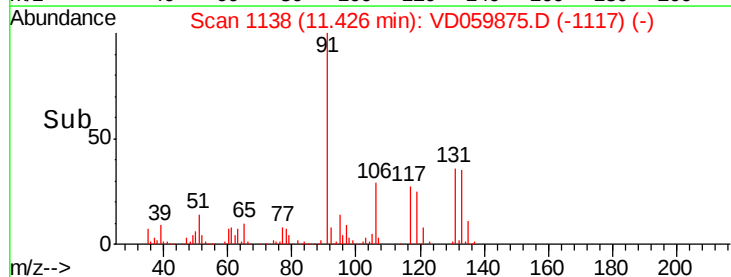
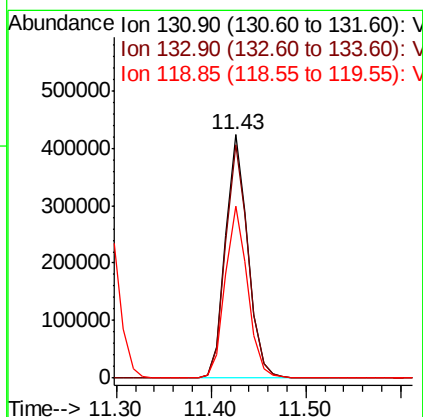
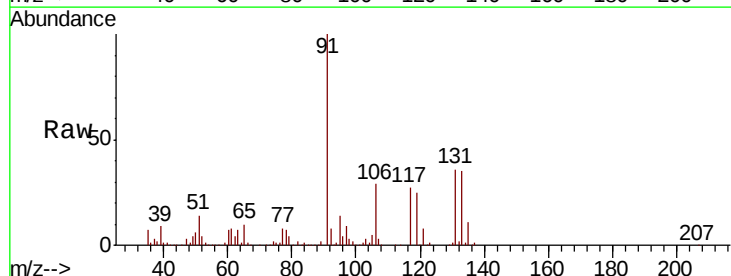
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

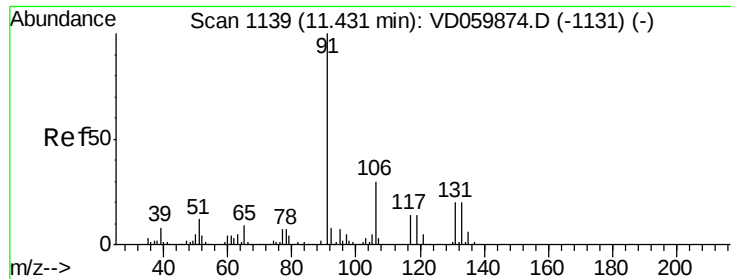
Tgt Ion:112 Resp: 1895272
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 71.772 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:131 Resp: 692735
Ion Ratio Lower Upper
131 100
133 95.8 48.3 144.8
119 70.5 35.4 106.3

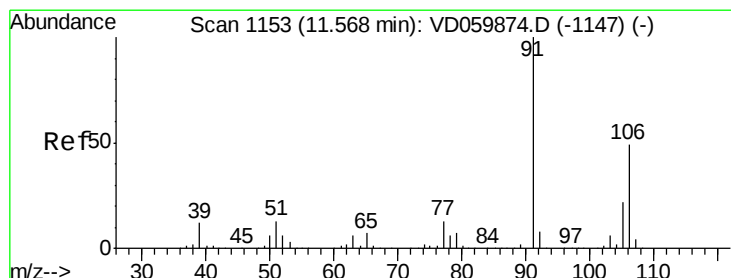
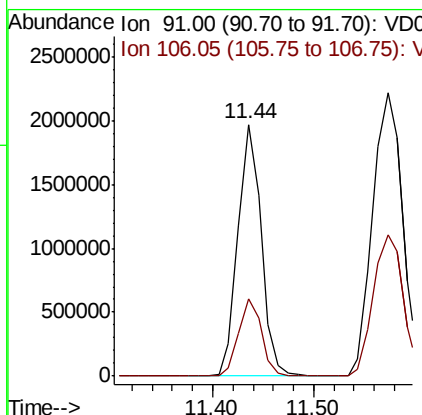
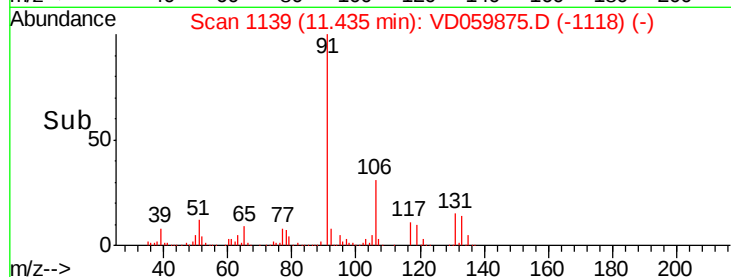
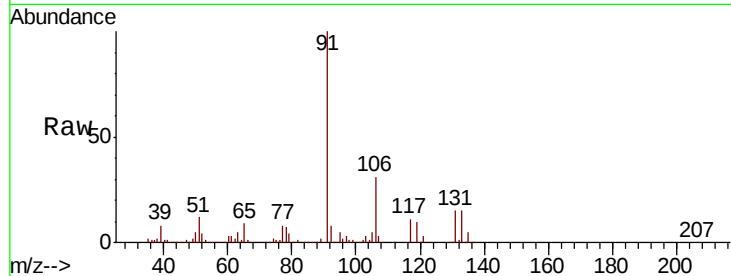




#67
Ethyl Benzene
Concen: 72.736 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

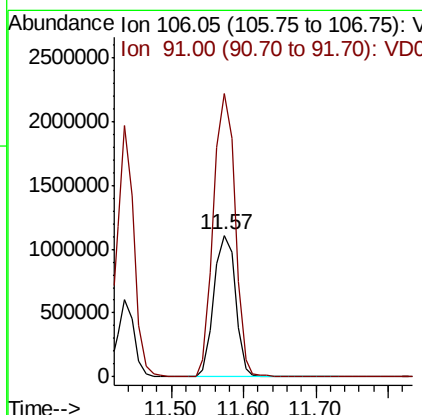
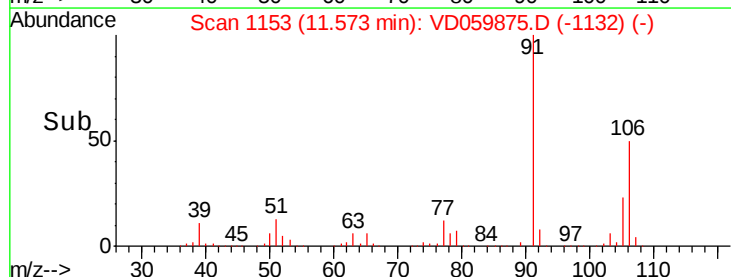
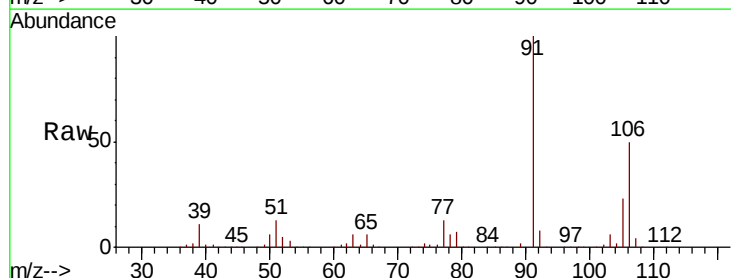
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

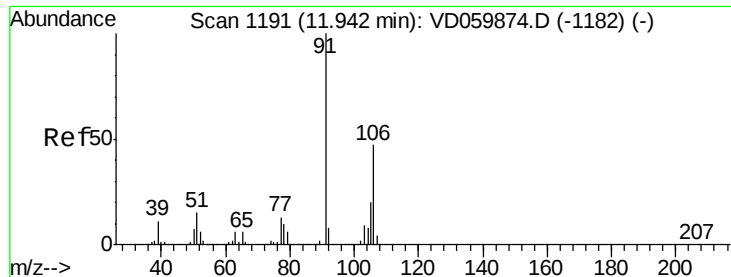
Tgt Ion: 91 Resp: 3169743
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8



#68
m/p-Xylenes
Concen: 145.199 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 106 Resp: 2283747
Ion Ratio Lower Upper
106 100
91 199.9 162.0 243.0

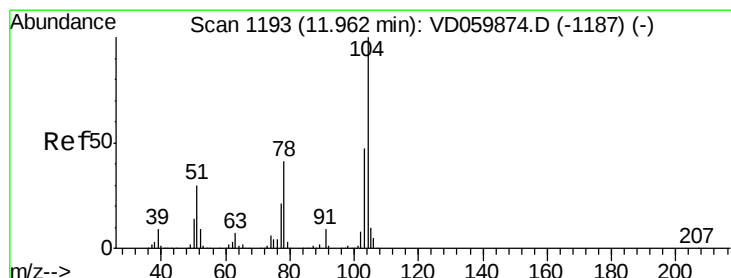
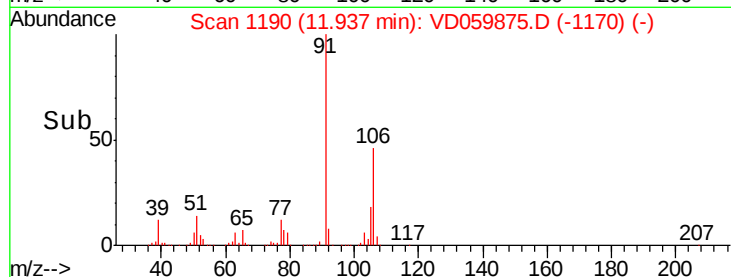
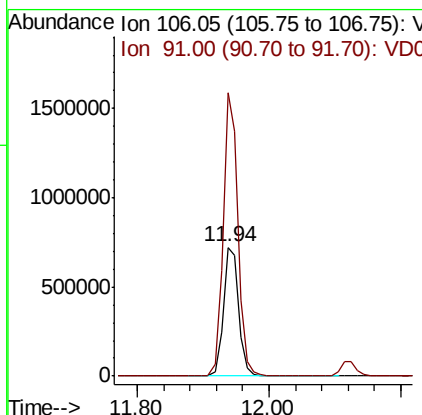
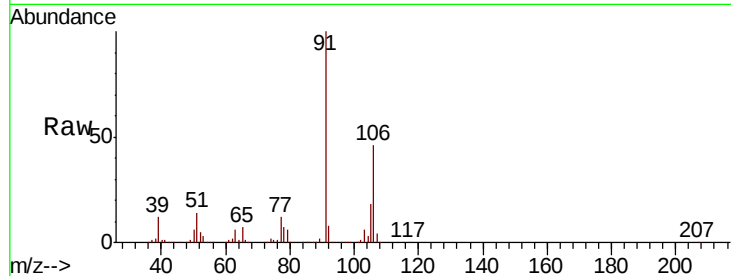




#69
o-Xylene
Concen: 75.072 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

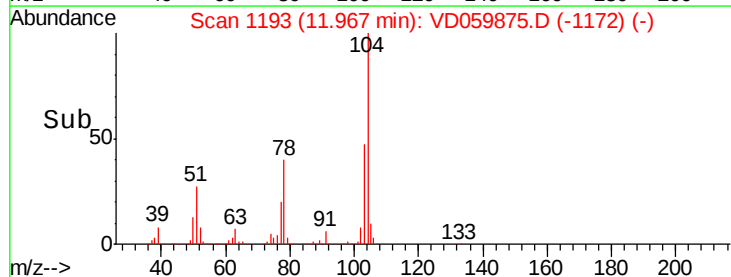
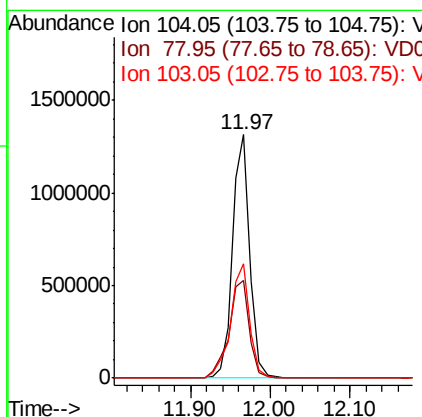
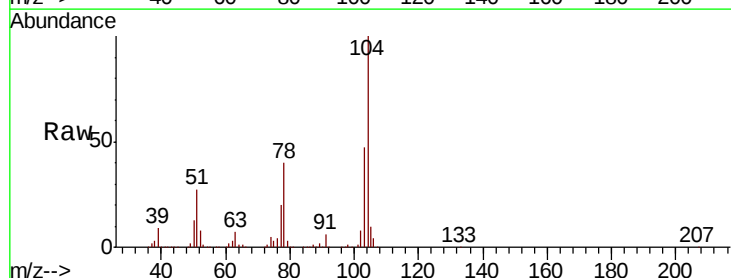
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 1159106
Ion Ratio Lower Upper
106 100
91 219.2 107.3 322.0



#70
Styrene
Concen: 74.471 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion:104 Resp: 1997305
Ion Ratio Lower Upper
104 100
78 40.4 32.6 49.0
103 47.0 37.7 56.5





#71

Bromoform

Concen: 71.901 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

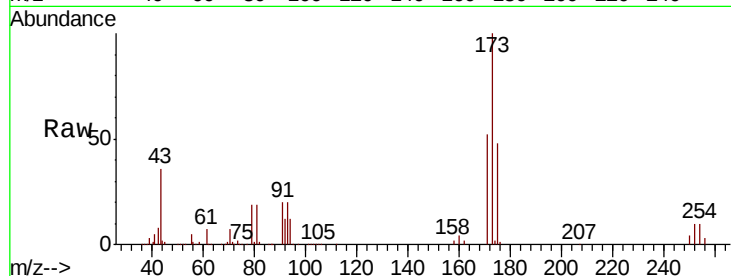
Tgt Ion:173 Resp: 615897

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

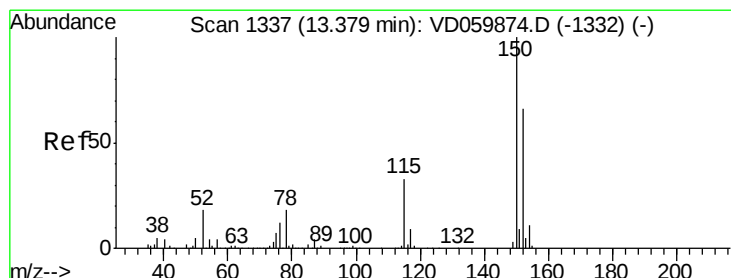
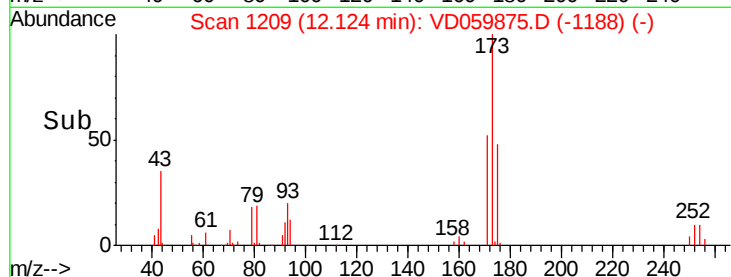
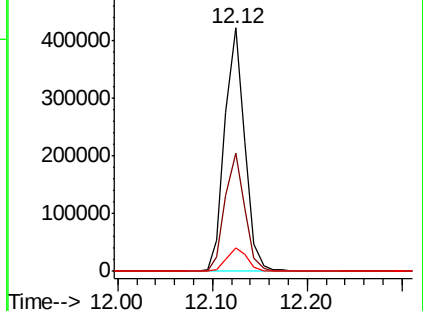
254 9.9 7.0 10.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

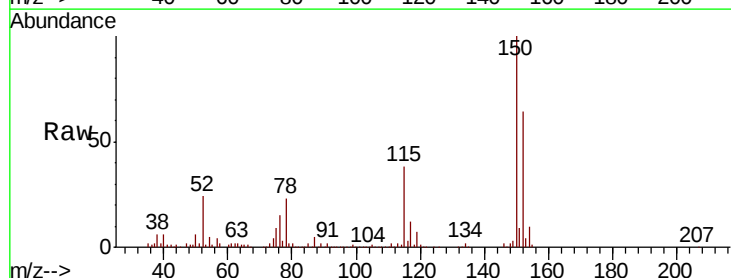
Tgt Ion:152 Resp: 727637

Ion Ratio Lower Upper

152 100

115 58.5 25.7 77.0

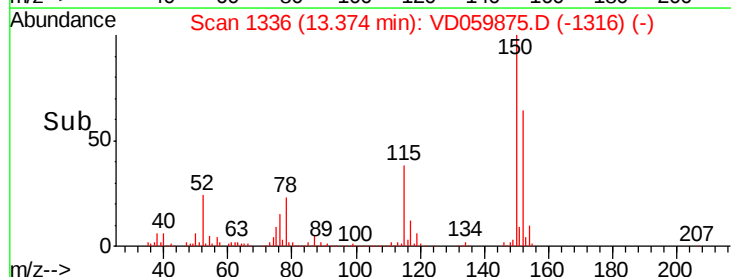
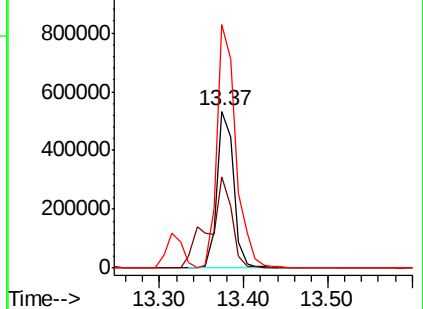
150 155.1 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 70.489 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

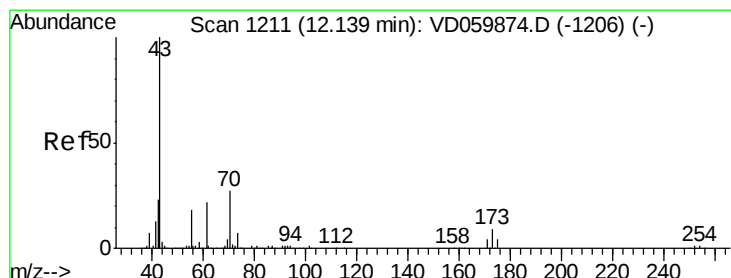
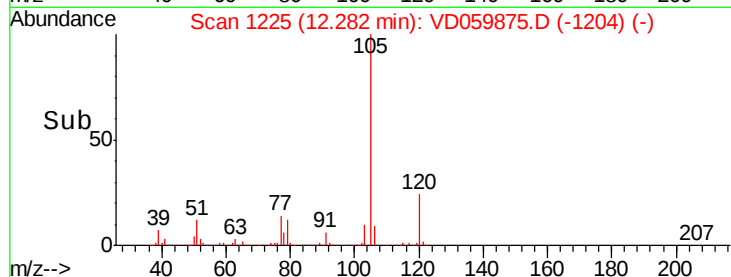
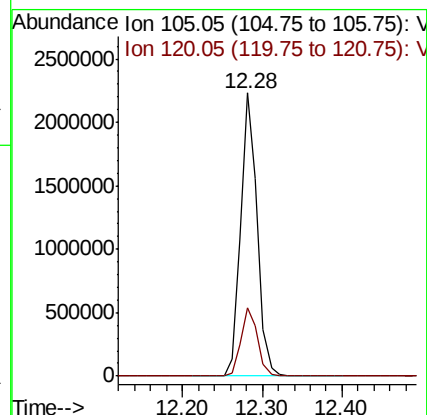
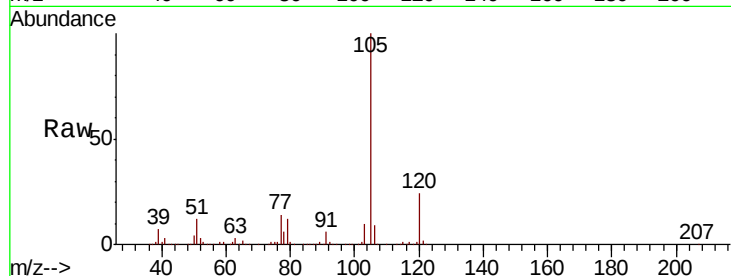
VSTDIC075

Tgt Ion:105 Resp: 3234273

Ion Ratio Lower Upper

105 100

120 24.2 11.8 35.4



#74

N-ethyl acetate

Concen: 65.266 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Tgt Ion: 43 Resp: 1338074

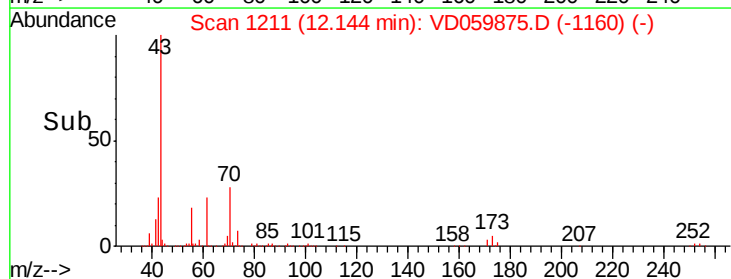
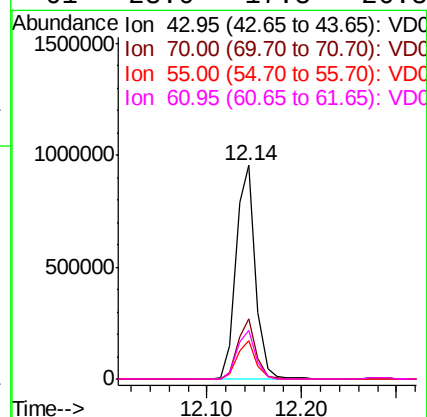
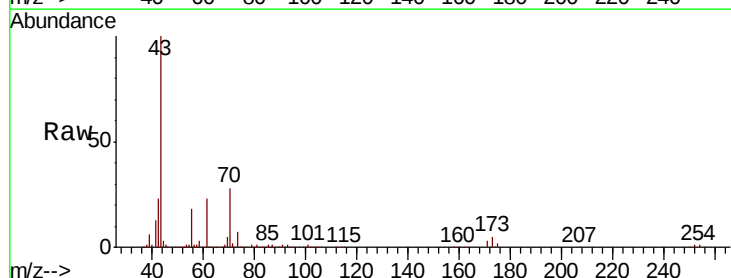
Ion Ratio Lower Upper

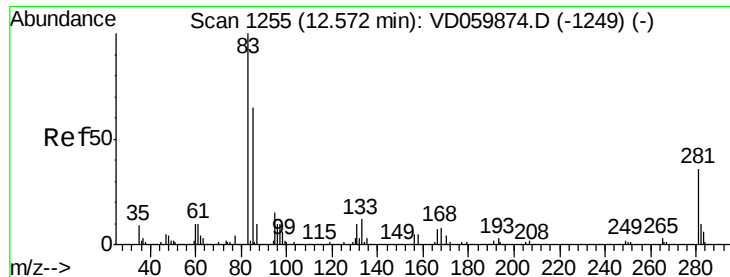
43 100

70 28.0 21.4 32.2

55 17.7 14.1 21.1

61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 68.002 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

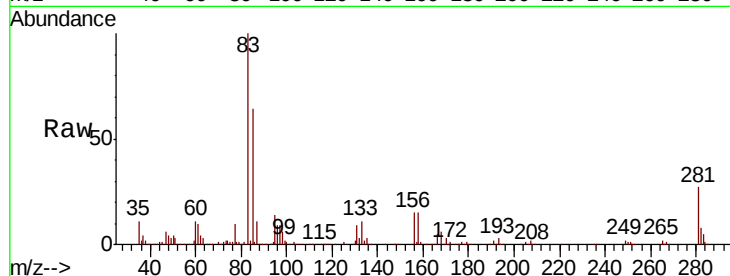
Tgt Ion: 83 Resp: 717242

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.4

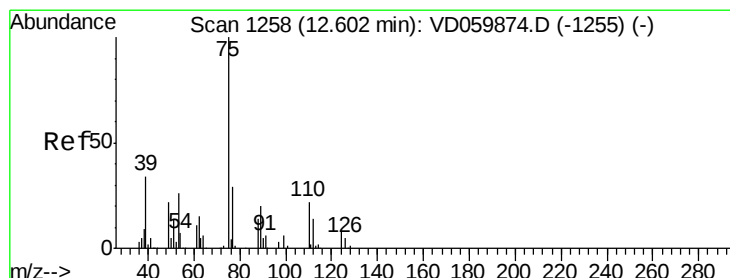
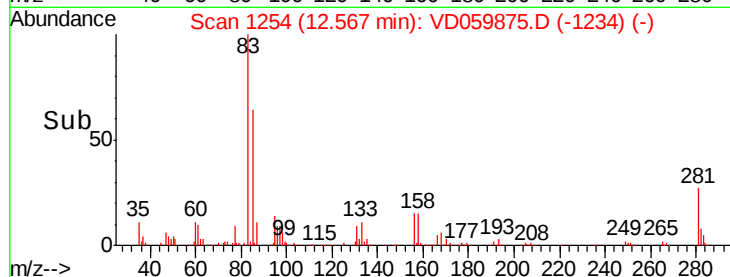
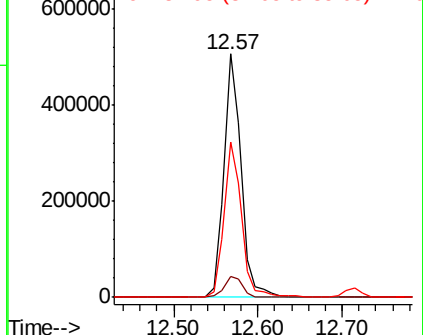
85 63.8 32.6 97.8



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: 67.295 ug/l

RT: 12.61 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059875.D

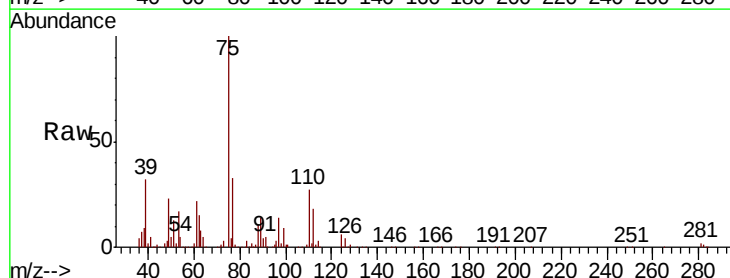
Acq: 22 Aug 2018 14:37

Tgt Ion: 75 Resp: 764222

Ion Ratio Lower Upper

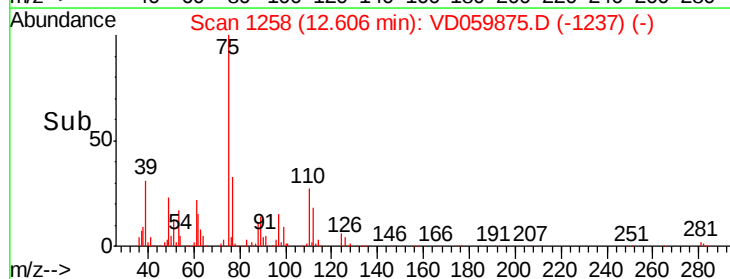
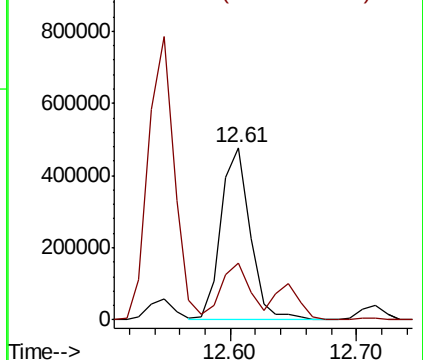
75 100

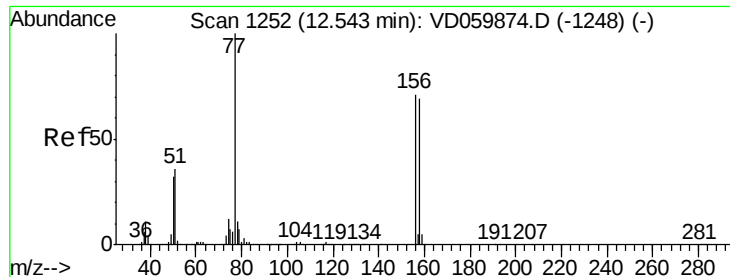
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

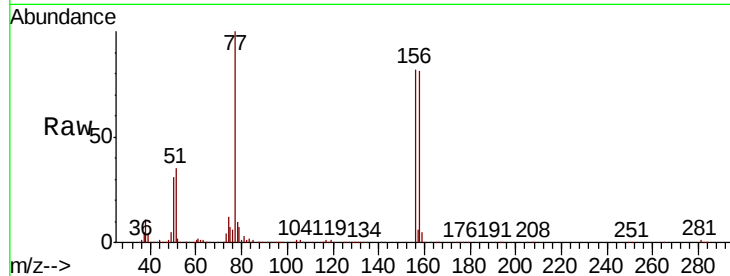




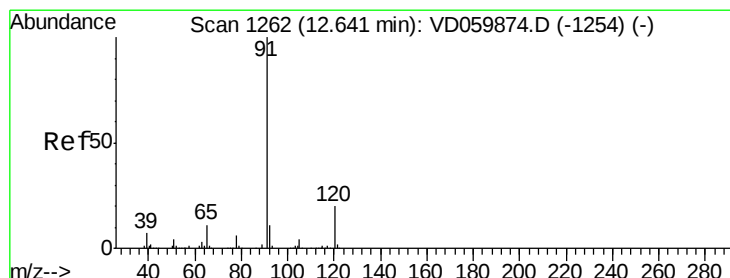
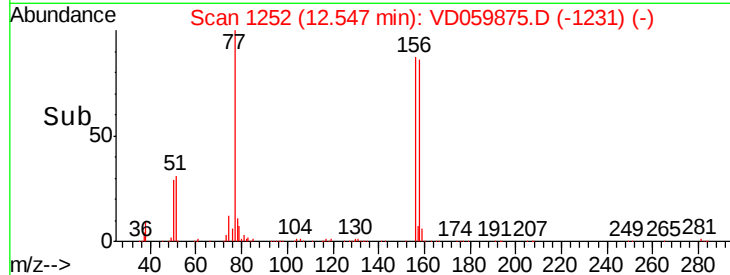
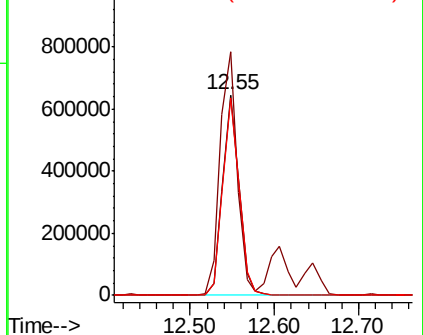
#77
Bromobenzene
Concen: 69.457 ug/l
RT: 12.55 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 156 Resp: 884916
Ion Ratio Lower Upper
156 100
77 121.6 70.2 210.4
158 98.8 48.4 145.2

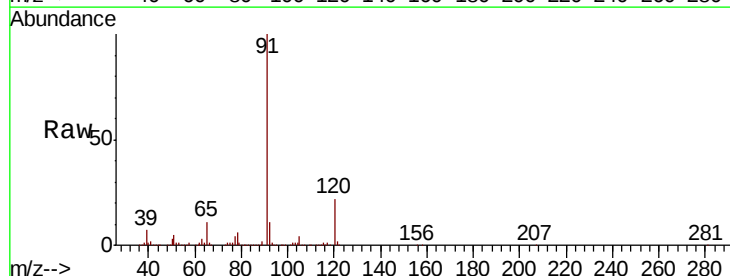


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

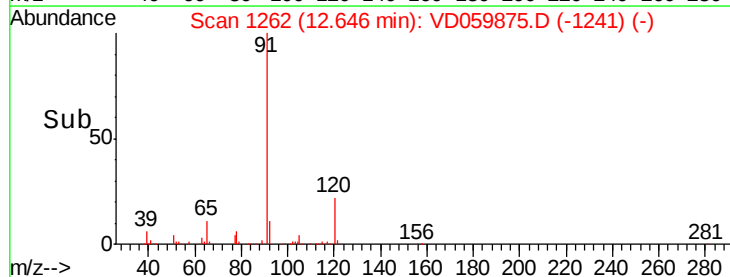
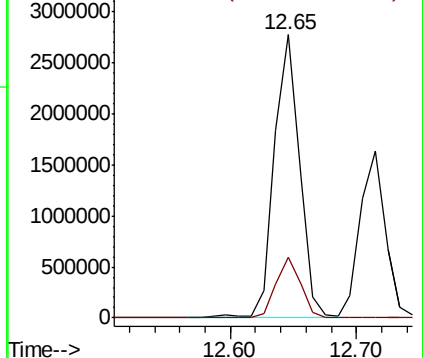


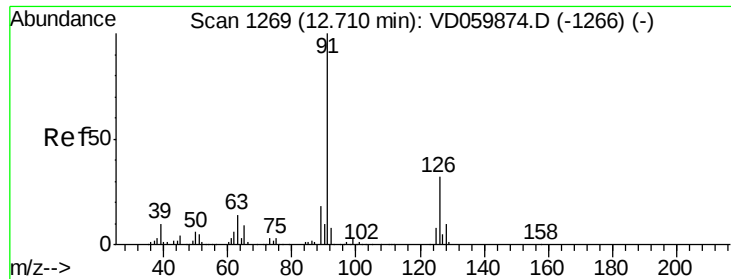
#78
n-propylbenzene
Concen: 68.297 ug/l
RT: 12.65 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059875.D
Acq: 22 Aug 2018 14:37

Tgt Ion: 91 Resp: 3894288
Ion Ratio Lower Upper
91 100
120 21.6 10.1 30.3



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

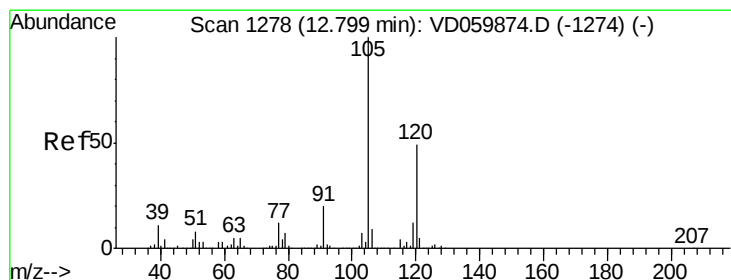
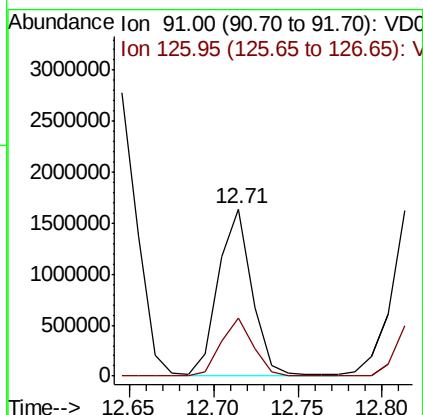
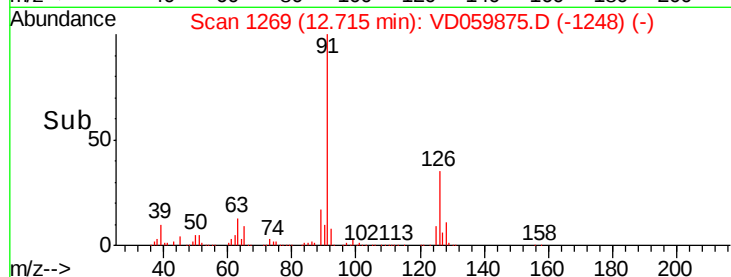
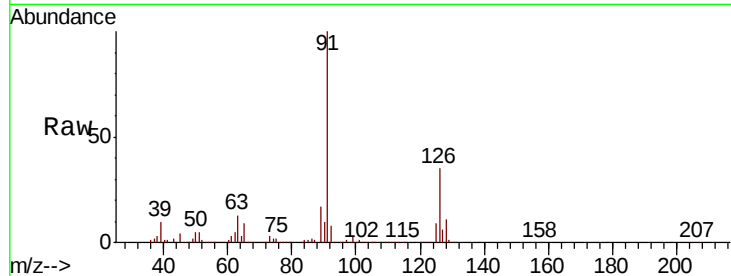




#79
 2-Chlorotoluene
 Concen: 69.645 ug/l
 RT: 12.71 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

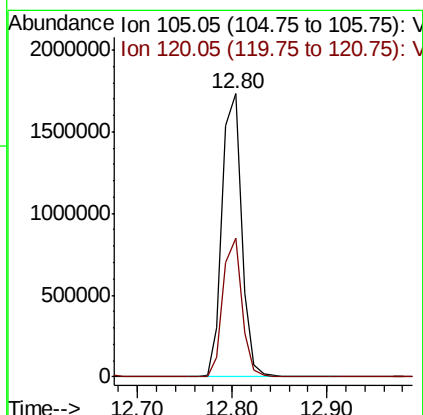
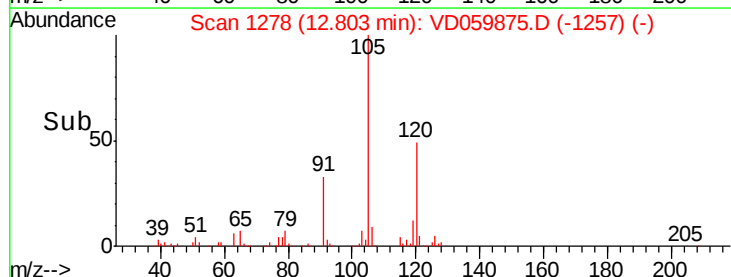
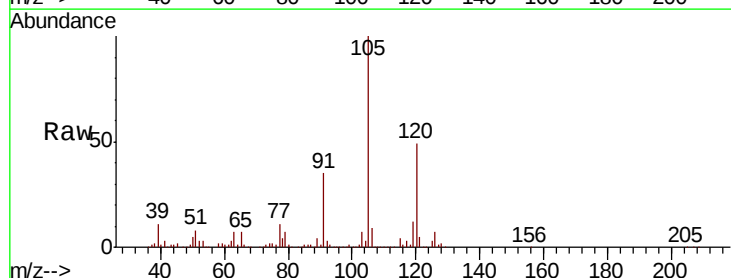
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

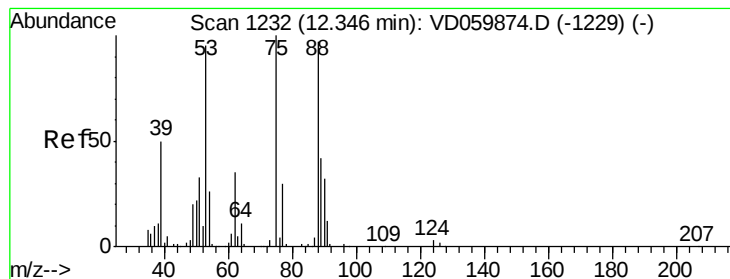
Tgt Ion: 91 Resp: 2262561
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 69.566 ug/l
 RT: 12.80 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion: 105 Resp: 2480831
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 68.835 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

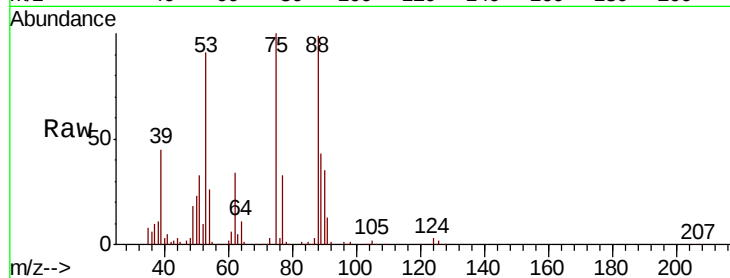
Tgt Ion: 75 Resp: 240708

Ion Ratio Lower Upper

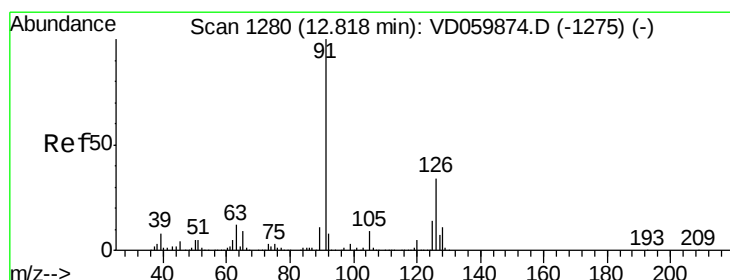
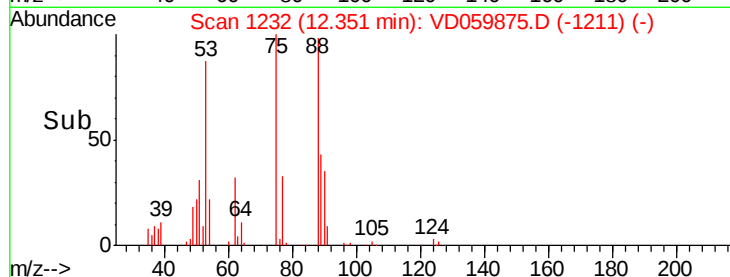
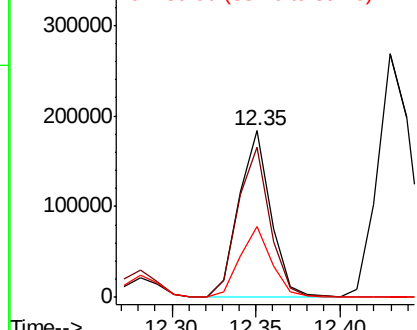
75 100

53 90.6 75.8 113.6

89 42.8 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 68.615 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059875.D

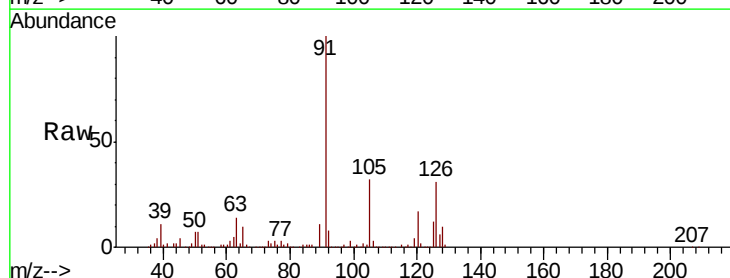
Acq: 22 Aug 2018 14:37

Tgt Ion: 91 Resp: 2488570

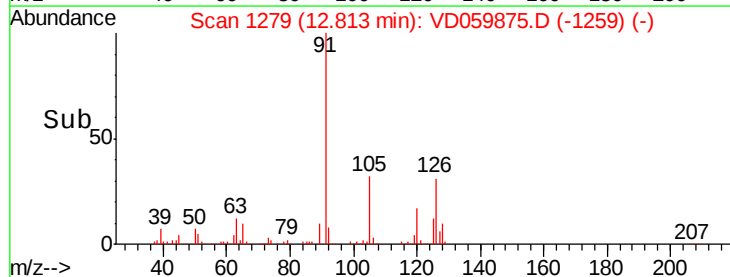
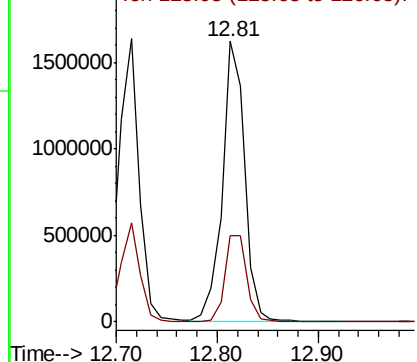
Ion Ratio Lower Upper

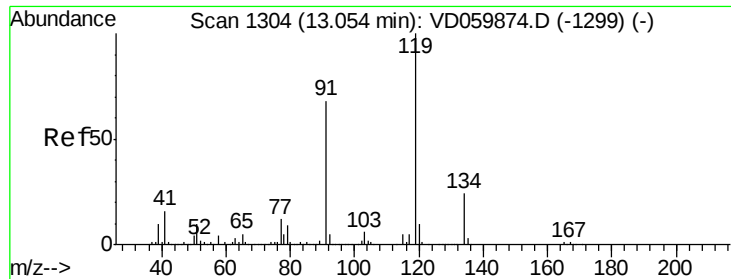
91 100

126 30.8 17.1 51.2



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

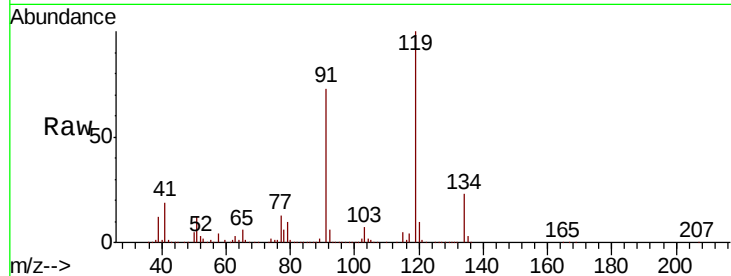




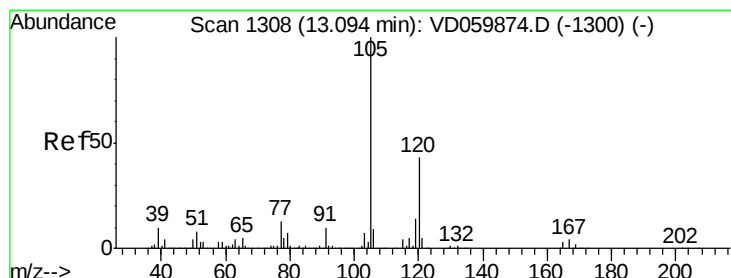
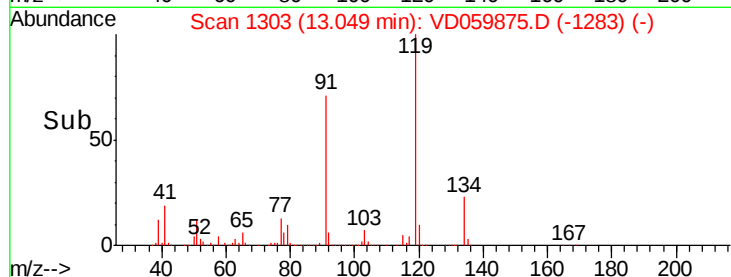
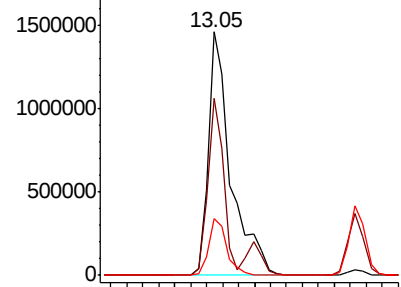
#83
 tert-Butylbenzene
 Concen: 69.799 ug/l
 RT: 13.05 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 2893450
 Ion Ratio Lower Upper
 119 100
 91 72.8 34.3 102.9
 134 23.4 11.9 35.9

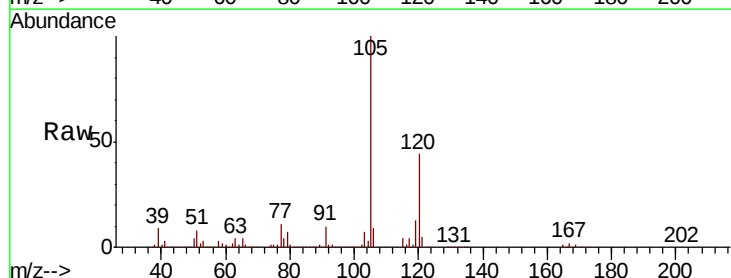


Abundance Ion 119.05 (118.75 to 119.75): V
 2000000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

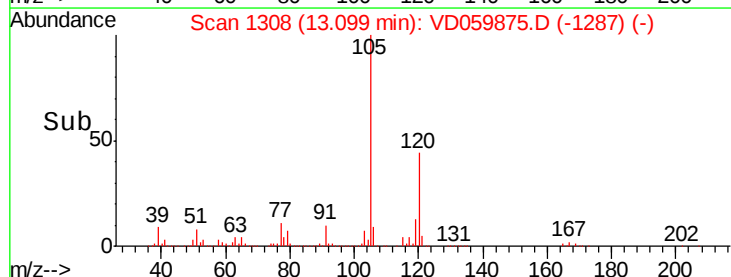
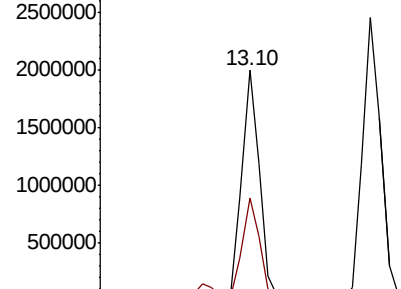


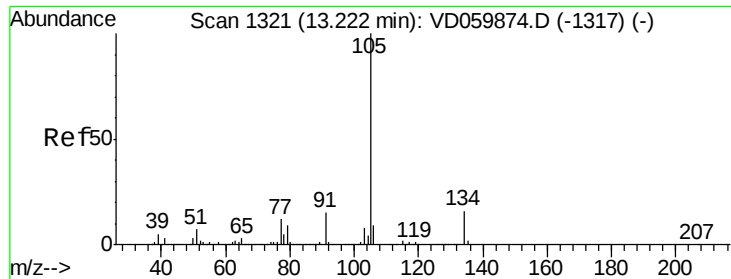
#84
 1,2,4-Trimethylbenzene
 Concen: 70.238 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion:105 Resp: 2638934
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V
 2500000 Ion 120.05 (119.75 to 120.75): V

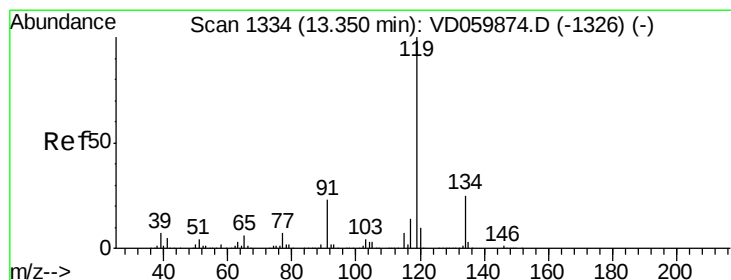
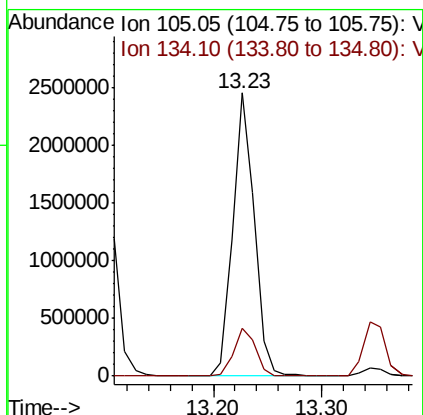
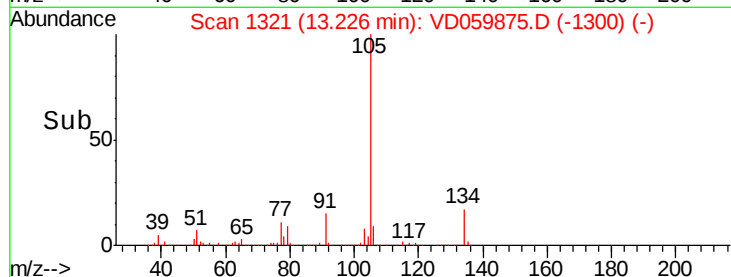
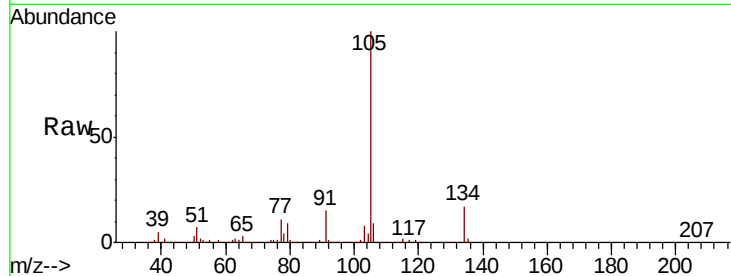




#85
 sec-Butylbenzene
 Concen: 69.460 ug/l
 RT: 13.23 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

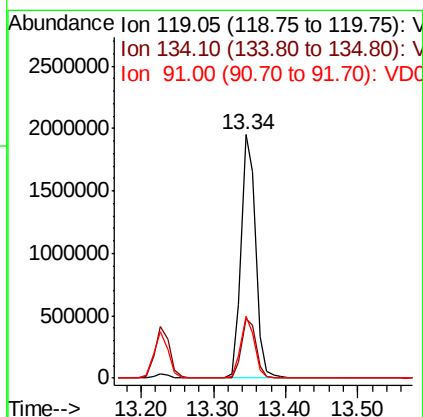
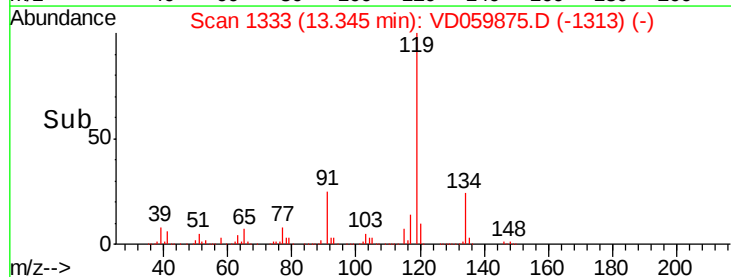
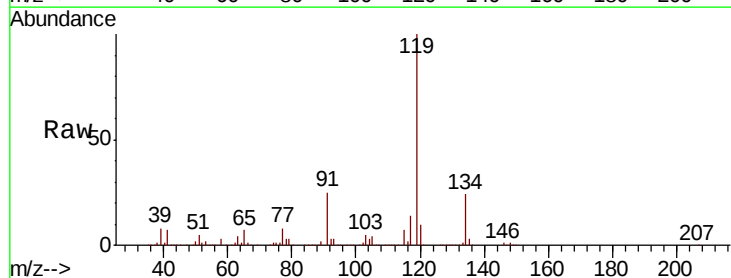
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

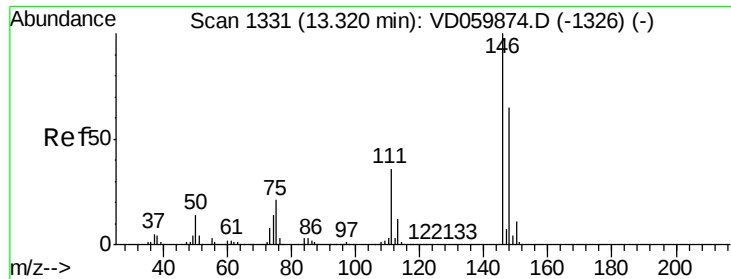
Tgt Ion:105 Resp: 3373410
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 70.146 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion:119 Resp: 2755984
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.7 38.1
 91 25.4 11.7 35.0

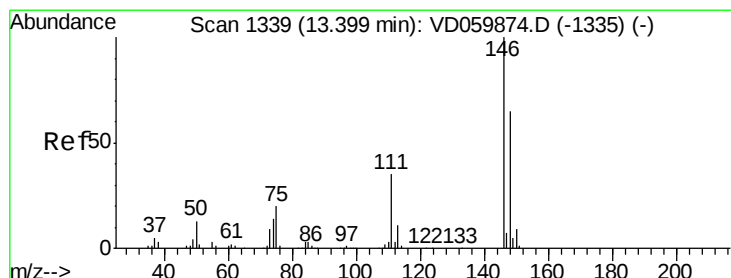
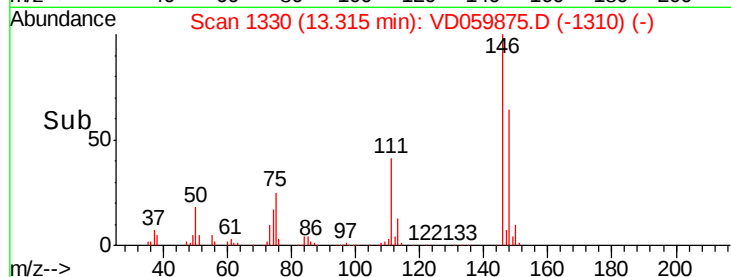
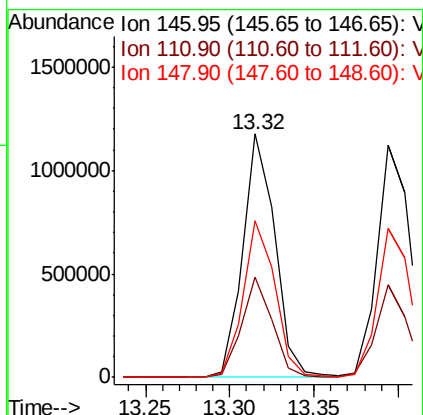
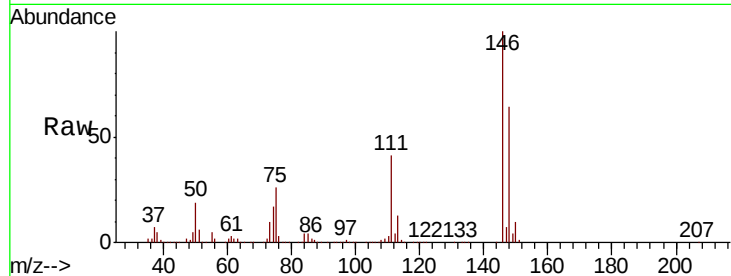




#87
 1,3-Dichlorobenzene
 Concen: 69.010 ug/l
 RT: 13.32 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

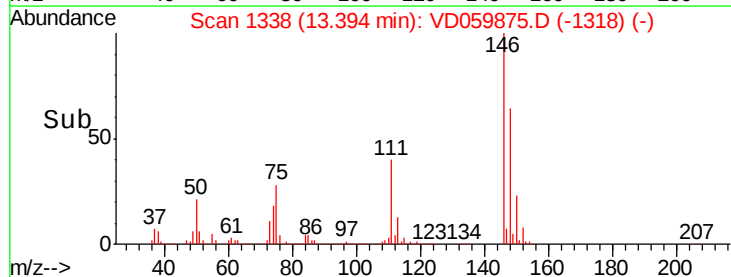
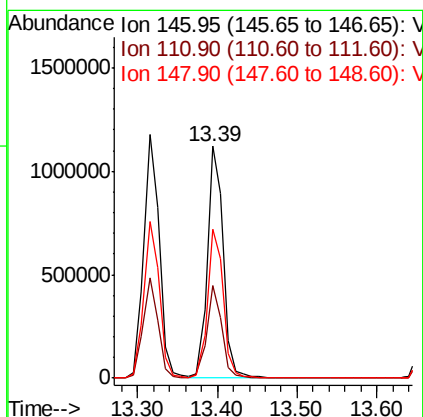
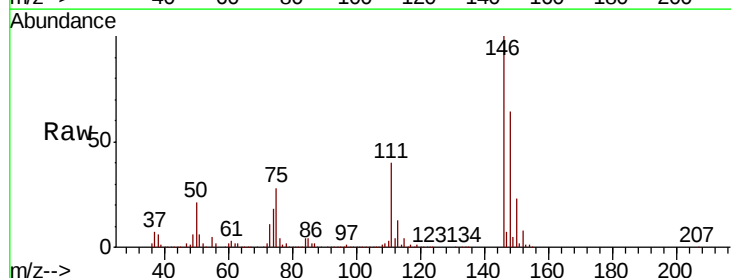
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

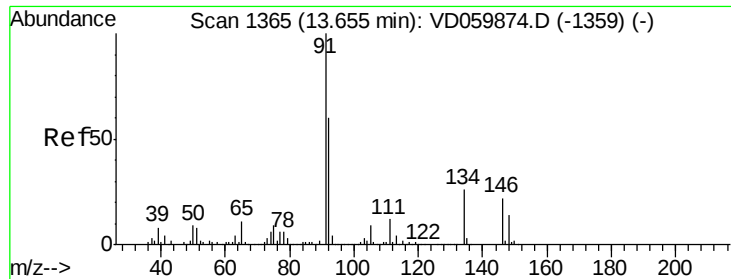
Tgt Ion:146 Resp: 1560454
 Ion Ratio Lower Upper
 146 100
 111 41.2 17.9 53.7
 148 64.1 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 68.777 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion:146 Resp: 1551113
 Ion Ratio Lower Upper
 146 100
 111 40.2 17.5 52.6
 148 64.1 32.5 97.5





#89

n-Butylbenzene

Concen: 65.322 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

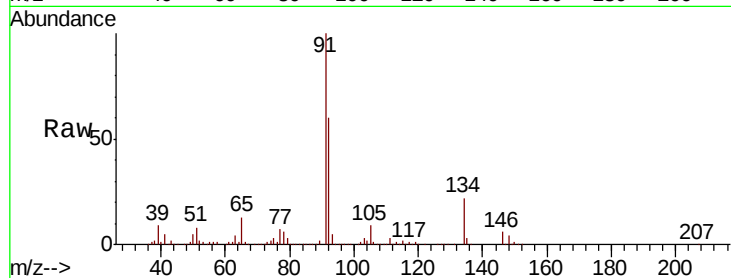
Tgt Ion: 91 Resp: 2521386

Ion Ratio Lower Upper

91 100

92 60.1 30.0 90.1

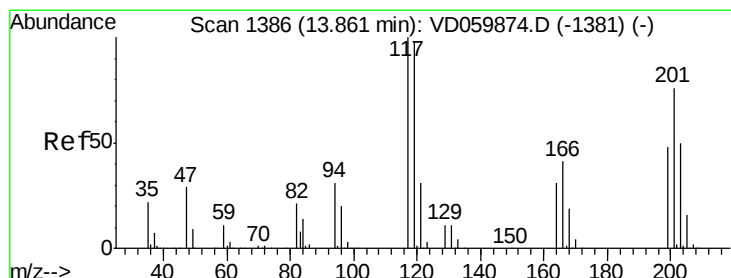
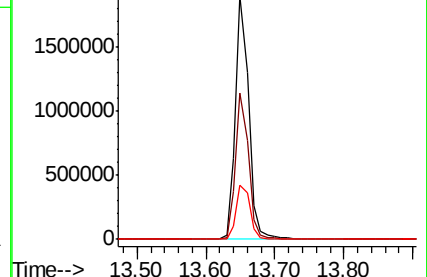
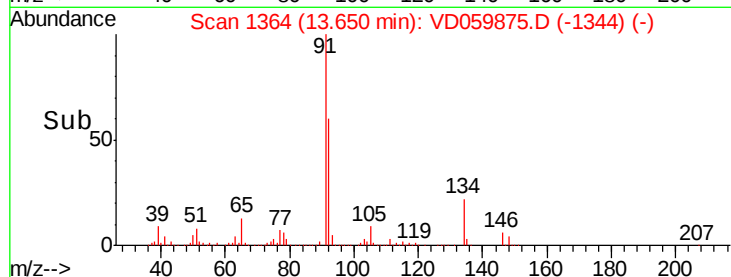
134 22.5 12.8 38.4



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): VDC



#90

Hexachloroethane

Concen: 68.890 ug/l

RT: 13.87 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VD059875.D

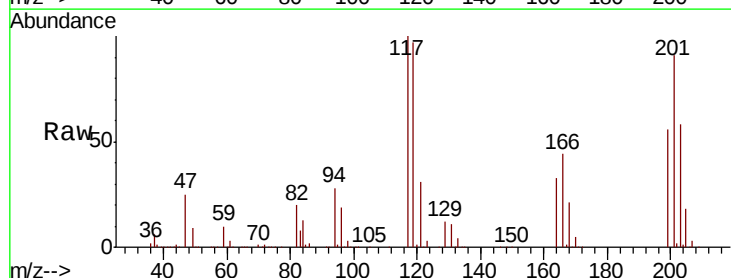
Acq: 22 Aug 2018 14:37

Tgt Ion: 117 Resp: 737026

Ion Ratio Lower Upper

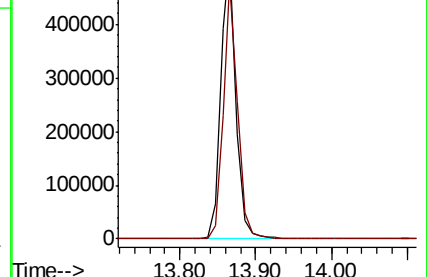
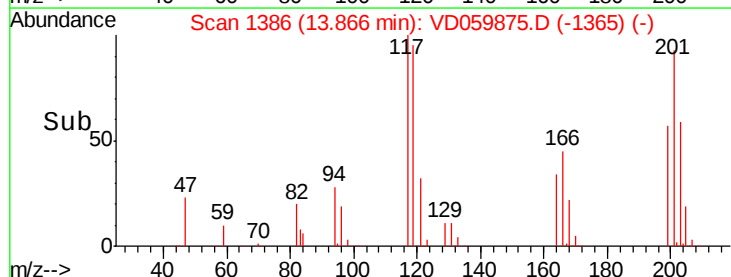
117 100

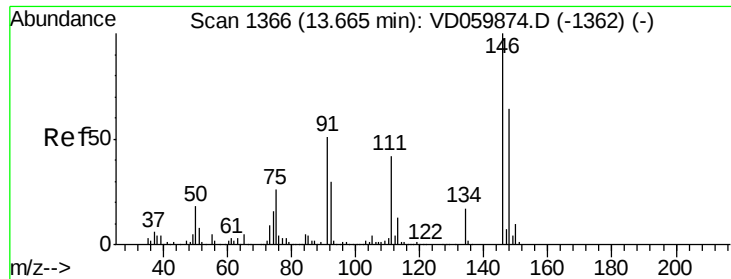
201 90.7 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 65.436 ug/l

RT: 13.67 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

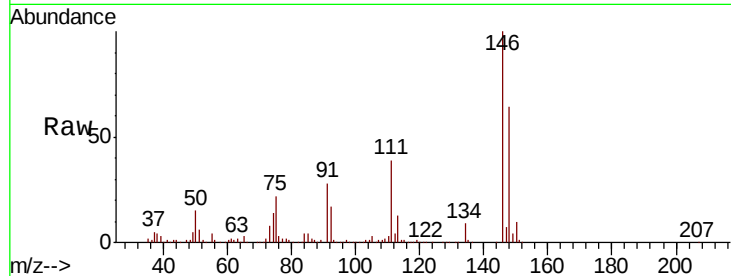
Tgt Ion:146 Resp: 1233458

Ion Ratio Lower Upper

146 100

111 39.3 21.1 63.1

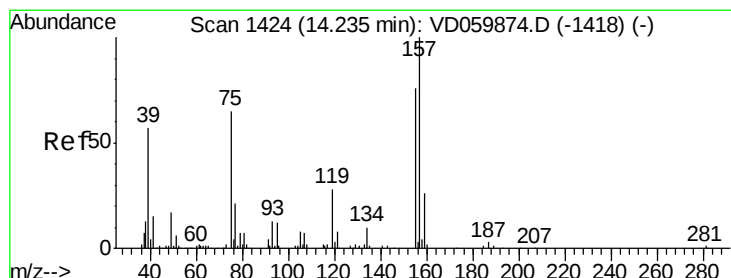
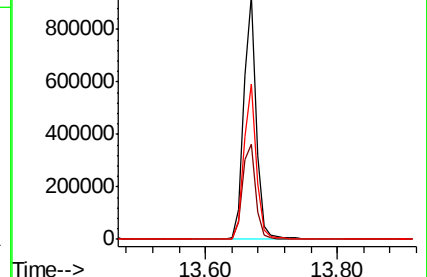
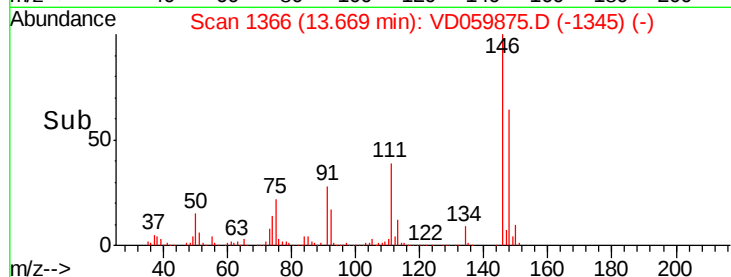
148 64.0 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 65.558 ug/l

RT: 14.23 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

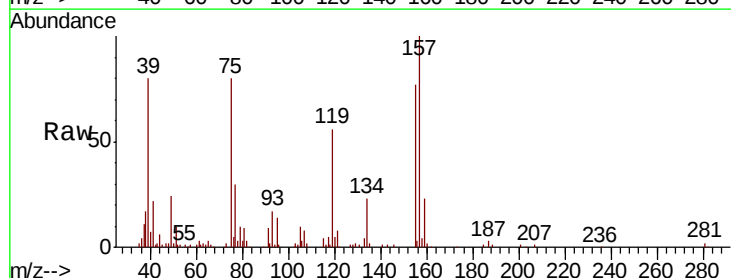
Tgt Ion: 75 Resp: 109085

Ion Ratio Lower Upper

75 100

155 95.2 58.2 174.6

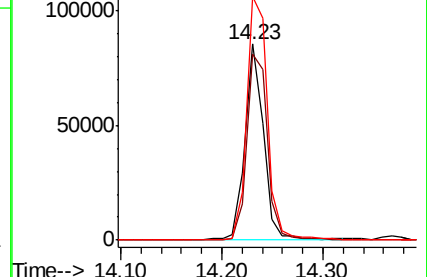
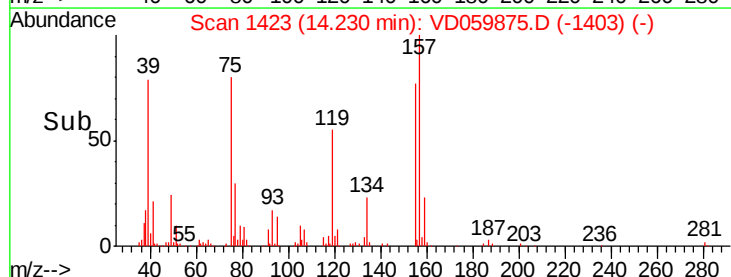
157 124.4 76.8 230.4

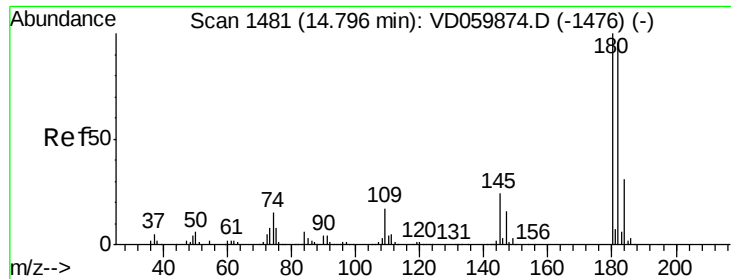


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

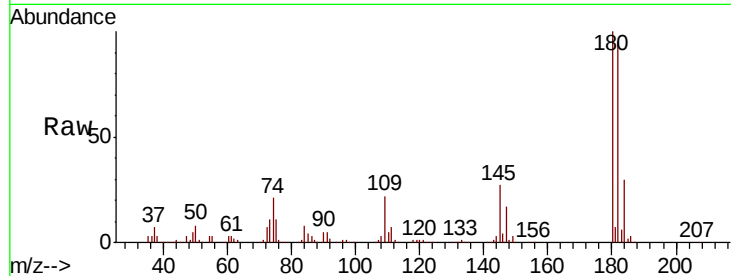




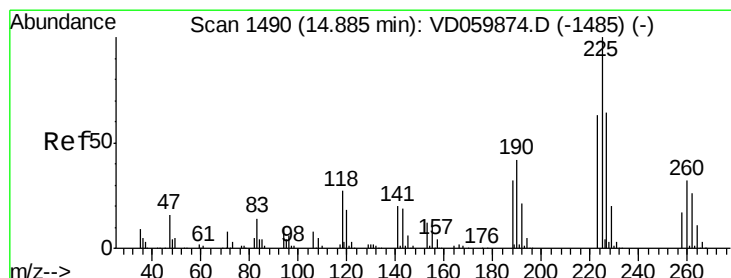
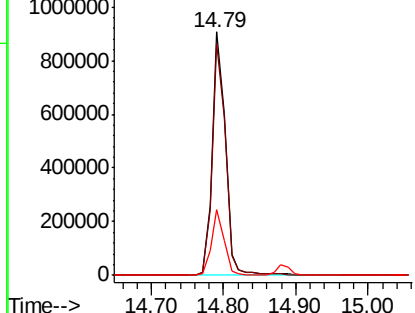
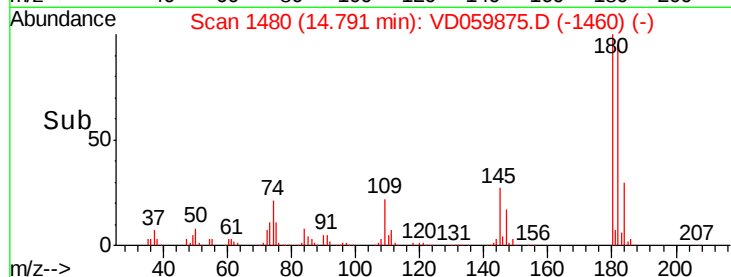
#93
 1,2,4-Trichlorobenzene
 Concen: 71.140 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 1151325
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.7
 145 27.1 12.2 36.4

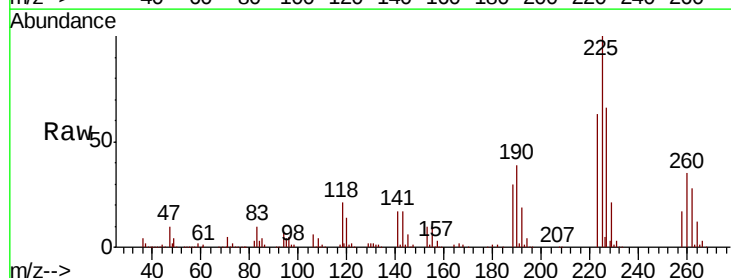


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

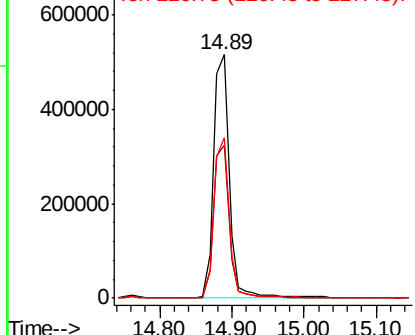
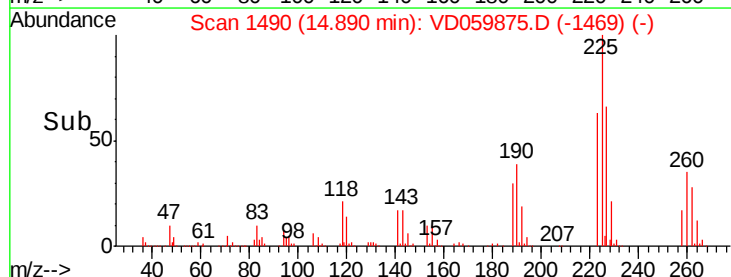


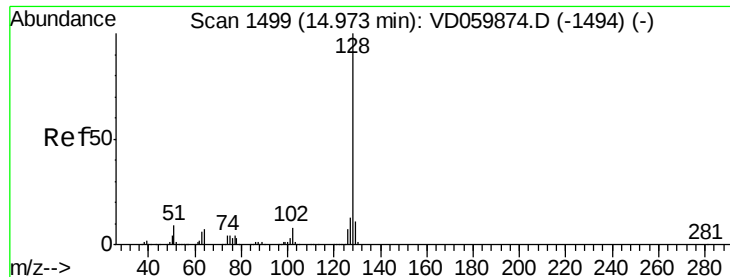
#94
 Hexachlorobutadiene
 Concen: 71.895 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059875.D
 Acq: 22 Aug 2018 14:37

Tgt Ion:225 Resp: 771855
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 94.8
 227 65.6 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: 67.693 ug/l

RT: 14.97 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

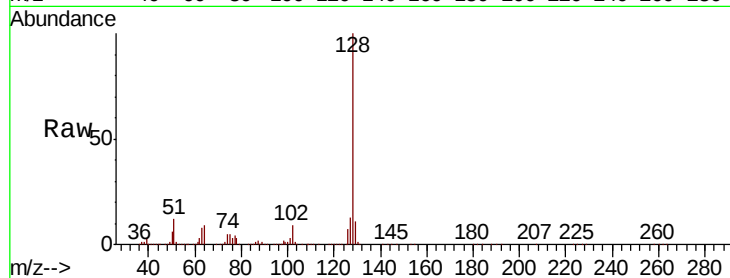
Tgt Ion:128 Resp: 1738662

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

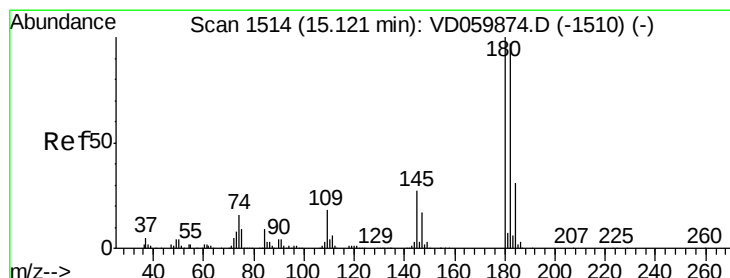
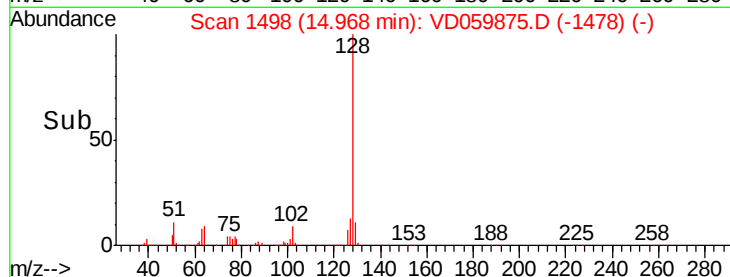
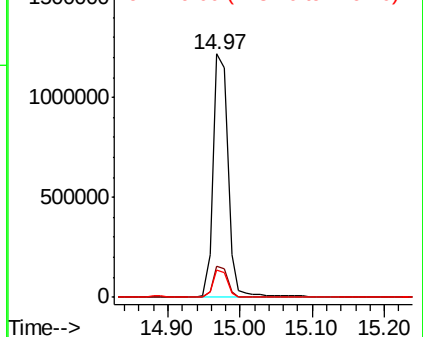
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 69.645 ug/l

RT: 15.12 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059875.D

Acq: 22 Aug 2018 14:37

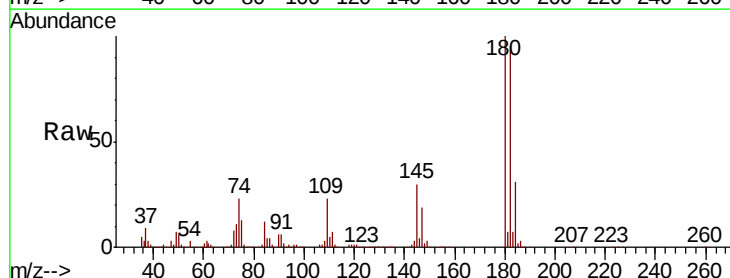
Tgt Ion:180 Resp: 988455

Ion Ratio Lower Upper

180 100

182 95.3 48.6 145.8

145 29.6 13.6 40.8



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

