

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059827.D
 Acq On : 20 Aug 2018 12:59
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 21 02:30:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	947413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1379025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1147488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	530064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	151693	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
35) Dibromofluoromethane	5.50	113	204978	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	
50) Toluene-d8	8.66	98	557579	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	11.90	95	222269	20.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	145399	17.866	ug/l	99
3) Chloromethane	1.46	50	124566	18.458	ug/l	97
4) Vinyl Chloride	1.54	62	100748	18.422	ug/l	100
5) Bromomethane	1.76	94	8229	11.164	ug/l	87
6) Chloroethane	1.84	64	18834	13.762	ug/l	95
7) Trichlorofluoromethane	2.05	101	101261	17.726	ug/l	98
8) Diethyl Ether	2.31	74	23743	18.889	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	67247	18.798	ug/l	95
10) Methyl Iodide	2.66	142	65356	17.671	ug/l	96
11) Tert butyl alcohol	3.23	59	26668	93.506	ug/l	94
12) 1,1-Dichloroethene	2.51	96	50701	18.122	ug/l	96
13) Acrolein	2.44	56	21481	79.924	ug/l	87
14) Allyl chloride	2.88	41	140632	18.961	ug/l	98
15) Acrylonitrile	3.32	53	122726	95.289	ug/l	98
16) Acetone	2.58	43	113659	88.303	ug/l	99
17) Carbon Disulfide	2.72	76	152245	16.255	ug/l	99
18) Methyl Acetate	2.89	43	51379	18.294	ug/l	94
19) Methyl tert-butyl Ether	3.37	73	325181	19.819	ug/l	96
20) Methylene Chloride	3.03	84	70469	16.155	ug/l	93
21) trans-1,2-Dichloroethene	3.35	96	138918	17.757	ug/l	97
22) Diisopropyl ether	4.02	45	760181	19.913	ug/l	99
23) Vinyl Acetate	3.97	43	2115225	102.596	ug/l	98
24) 1,1-Dichloroethane	3.92	63	321679	19.275	ug/l	100
25) 2-Butanone	4.78	43	350521	90.689	ug/l	100
26) 2,2-Dichloropropane	4.74	77	252371	19.060	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	199959	19.864	ug/l	99
28) Bromochloromethane	5.10	49	170260	19.903	ug/l	100
29) Tetrahydrofuran	5.14	42	188391	97.182	ug/l	99
30) Chloroform	5.28	83	318260	19.362	ug/l	99
31) Cyclohexane	5.54	56	267079	17.512	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	269093	19.393	ug/l	99
36) 1,1-Dichloropropene	5.70	75	222219	18.732	ug/l	98
37) Ethyl Acetate	4.88	43	165093	19.125	ug/l	98
38) Carbon Tetrachloride	5.68	117	221222	18.755	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	222416	17.638	ug/l	98
40) Benzene	5.96	78	593579	19.381	ug/l	100
41) Methacrylonitrile	5.08	41	94249	21.203	ug/l	98
42) 1,2-Dichloroethane	6.08	62	191119	19.432	ug/l	99
43) Isopropyl Acetate	7.57	43	234130	19.769	ug/l #	97
44) Trichloroethene	6.94	130	169346	18.763	ug/l	98
45) 1,2-Dichloropropane	7.30	63	173967	19.596	ug/l	98
46) Dibromomethane	7.41	93	105879	19.193	ug/l	99
47) Bromodichloromethane	7.70	83	240590	19.654	ug/l	98
48) Methyl methacrylate	7.46	41	123363	18.624	ug/l	97
49) 1,4-Dioxane	7.45	88	21044	381.370	ug/l #	82
51) 4-Methyl-2-Pentanone	8.55	43	757166	92.954	ug/l	98
52) Toluene	8.76	92	378664	19.488	ug/l	97
53) t-1,3-Dichloropropene	9.14	75	216044	19.379	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	259014	19.354	ug/l	97
55) 1,1,2-Trichloroethane	9.41	97	137039	19.814	ug/l	99
56) Ethyl methacrylate	9.27	69	157906	19.866	ug/l	96
57) 1,3-Dichloropropane	9.63	76	199630	19.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.15	63	446415	109.355	ug/l	98
59) 2-Hexanone	9.74	43	549731	91.628	ug/l	99
60) Dibromochloromethane	9.92	129	175039	19.690	ug/l	100
61) 1,2-Dibromoethane	10.05	107	143242	19.473	ug/l	96
64) Tetrachloroethene	9.47	164	155021	18.395	ug/l	98
65) Chlorobenzene	10.69	112	426633	19.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	155052	20.112	ug/l	97
67) Ethyl Benzene	10.83	91	738401	20.166	ug/l	97
68) m/p-Xylenes	10.98	106	545093	40.642	ug/l	98
69) o-Xylene	11.38	106	266480	20.336	ug/l	94
70) Styrene	11.40	104	454378	20.007	ug/l	99
71) Bromoform	11.57	173	131824	19.563	ug/l	99
73) Isopropylbenzene	11.74	105	729884	20.187	ug/l	98
74) N-amyl acetate	11.61	43	311523	19.487	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.05	83	157466	18.943	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	170258	19.656	ug/l	99
77) Bromobenzene	12.02	156	192166	19.144	ug/l	86
78) n-propylbenzene	12.13	91	909217	20.015	ug/l	97
79) 2-Chlorotoluene	12.18	91	515619	19.879	ug/l	93
80) 1,3,5-Trimethylbenzene	12.29	105	579452	21.367	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.81	75	51183	19.103	ug/l	99
82) 4-Chlorotoluene	12.30	91	573552	21.269	ug/l	91
83) tert-Butylbenzene	12.55	119	634965	19.924	ug/l	96
84) 1,2,4-Trimethylbenzene	12.60	105	604075	20.125	ug/l	97
85) sec-Butylbenzene	12.74	105	777246	20.327	ug/l	97
86) p-Isopropyltoluene	12.86	119	613309	20.434	ug/l	96
87) 1,3-Dichlorobenzene	12.81	146	346019	20.444	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	345065	20.263	ug/l	99
89) n-Butylbenzene	13.17	91	640631	21.277	ug/l	98
90) Hexachloroethane	13.37	117	168465	19.870	ug/l	83
91) 1,2-Dichlorobenzene	13.17	146	299473	21.732	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	22550	18.311	ug/l	77

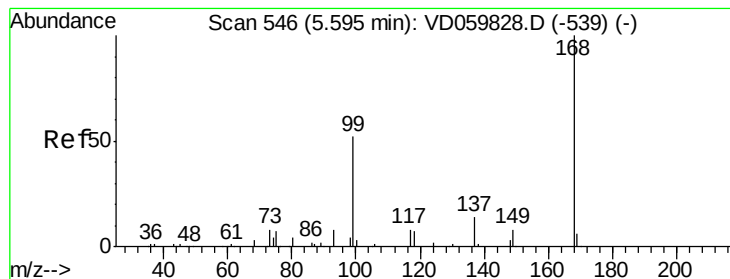
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	243905	19.833	ug/l	97
94) Hexachlorobutadiene	14.41	225	161457	19.758	ug/l	98
95) Naphthalene	14.49	128	371324	18.926	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	208366	19.517	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

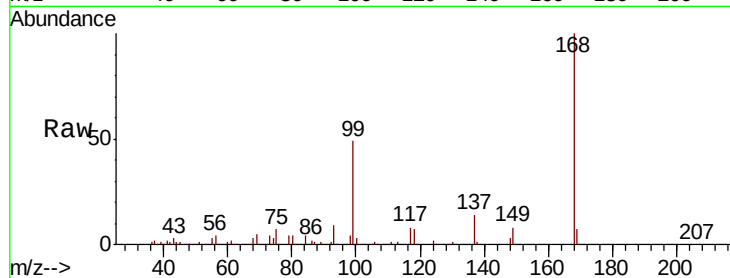
VSTDIC020

Tgt Ion:168 Resp: 947413

Ion Ratio Lower Upper

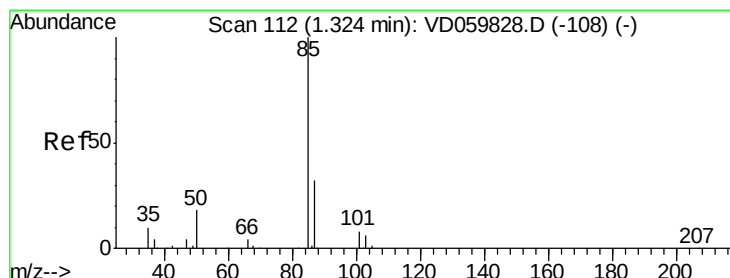
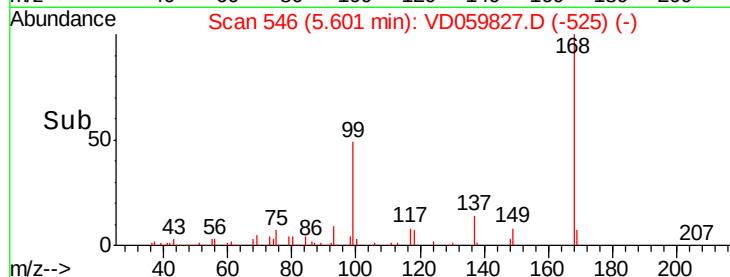
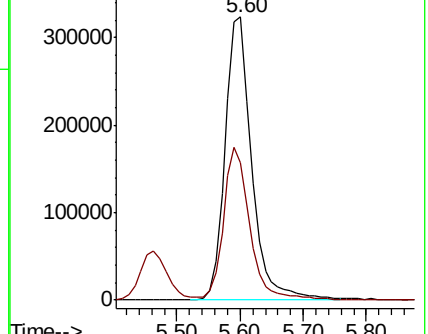
168 100

99 48.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.866 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059827.D

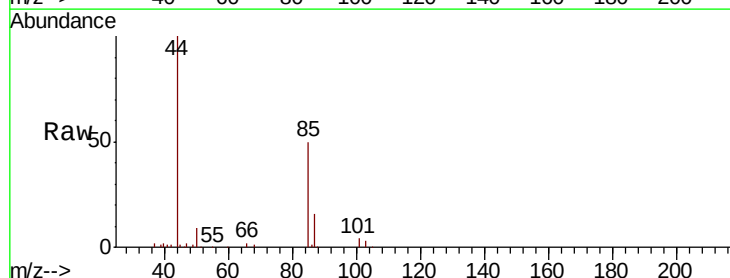
Acq: 20 Aug 2018 12:59

Tgt Ion: 85 Resp: 145399

Ion Ratio Lower Upper

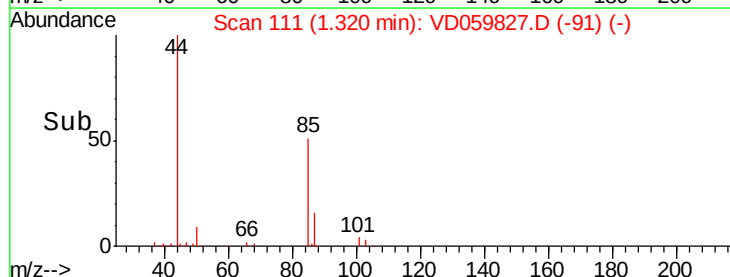
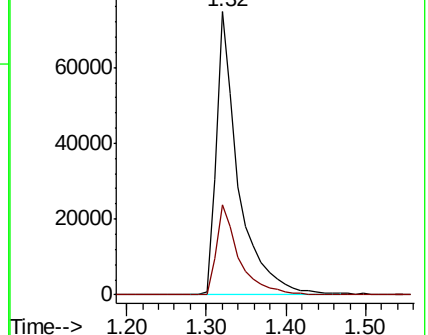
85 100

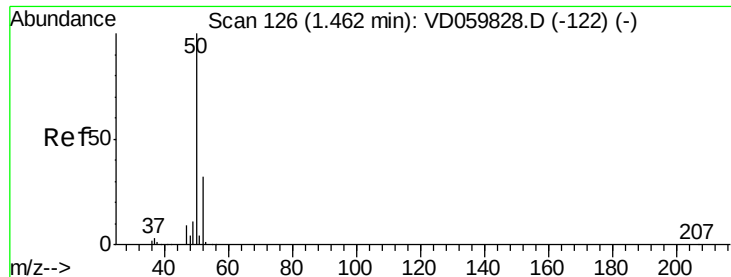
87 31.6 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.458 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

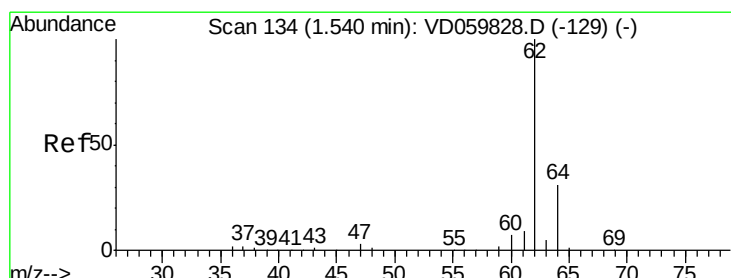
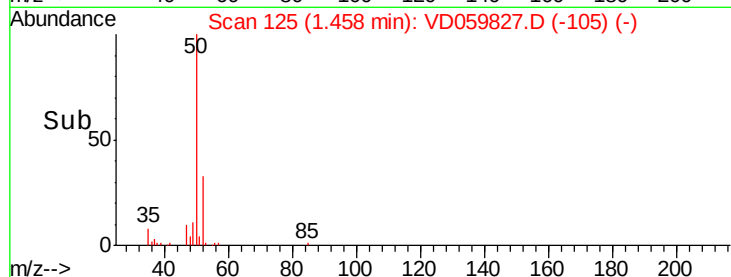
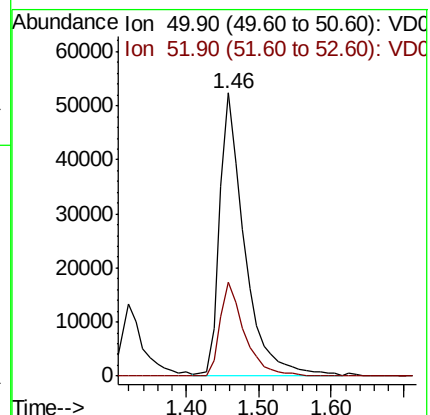
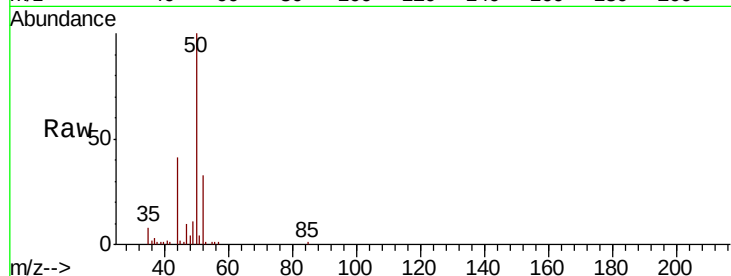
VSTDIC020

Tgt Ion: 50 Resp: 124566

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 18.422 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059827.D

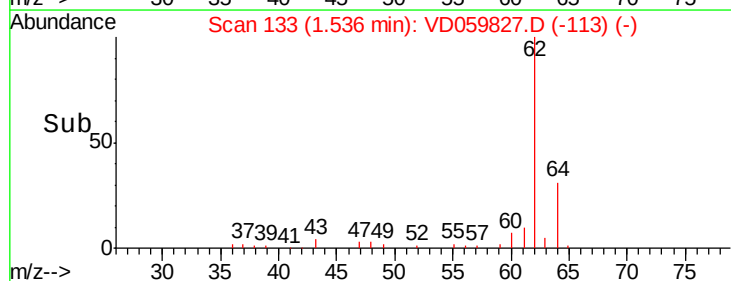
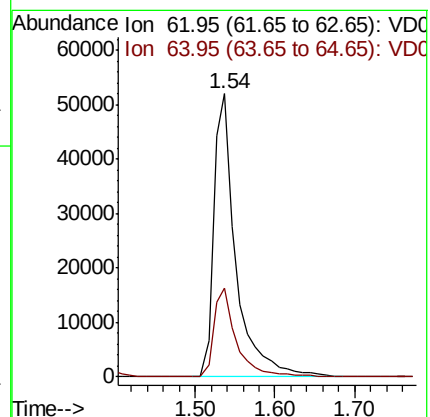
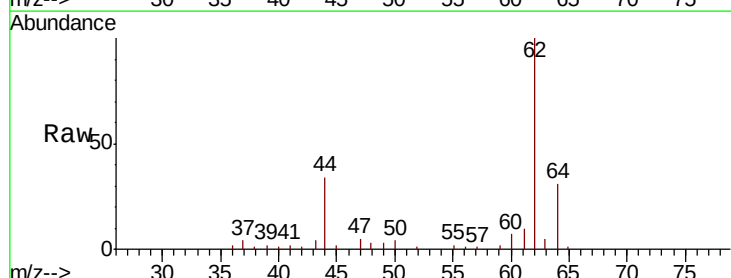
Acq: 20 Aug 2018 12:59

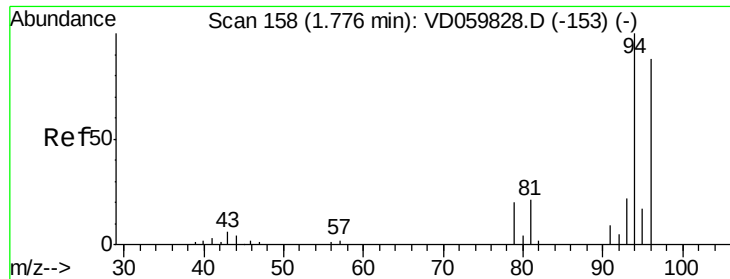
Tgt Ion: 62 Resp: 100748

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 11.164 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

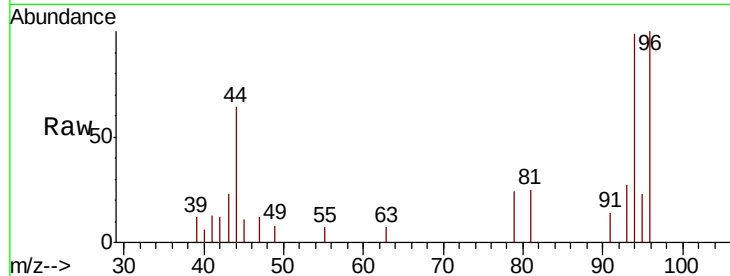
VSTDIC020

Tgt Ion: 94 Resp: 8229

Ion Ratio Lower Upper

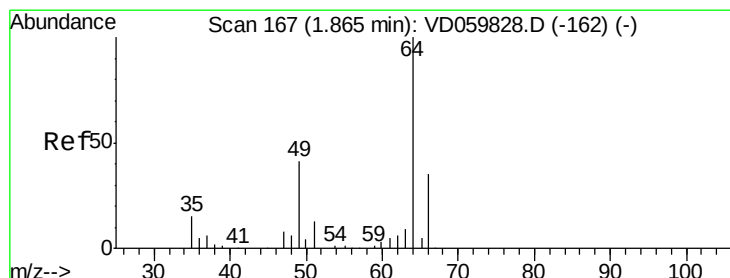
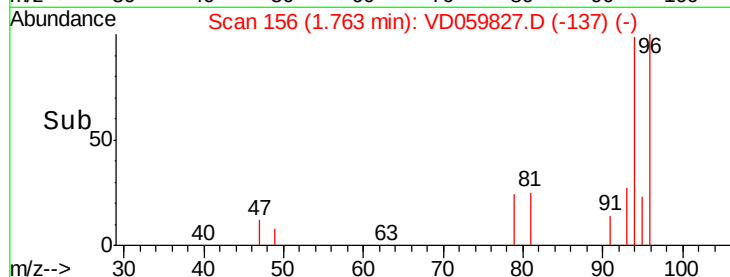
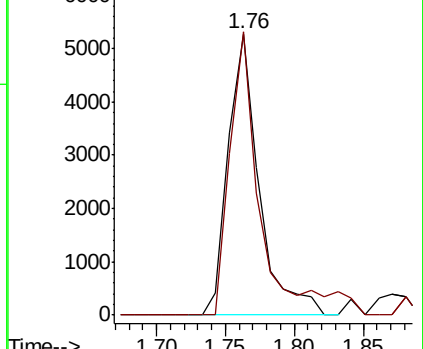
94 100

96 100.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 13.762 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059827.D

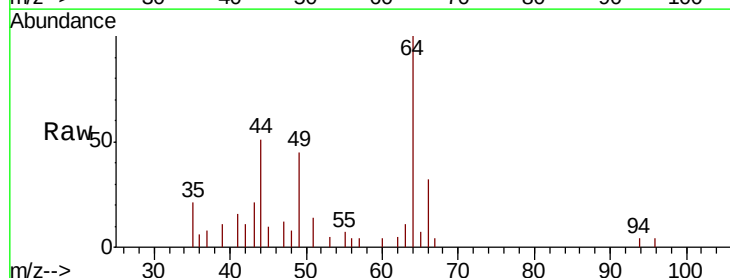
Acq: 20 Aug 2018 12:59

Tgt Ion: 64 Resp: 18834

Ion Ratio Lower Upper

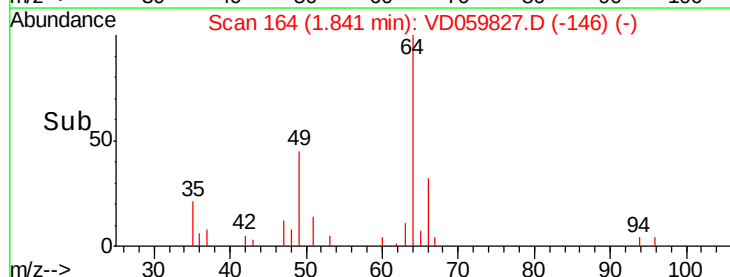
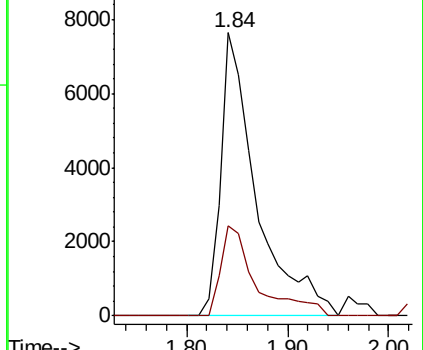
64 100

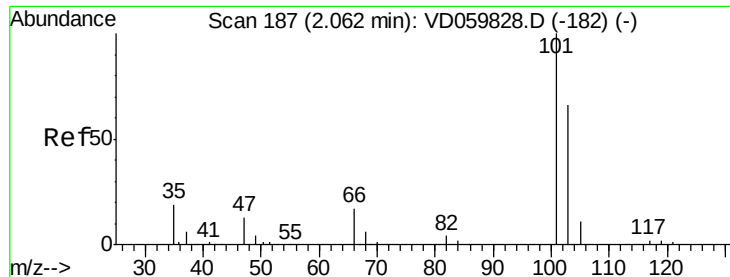
66 31.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



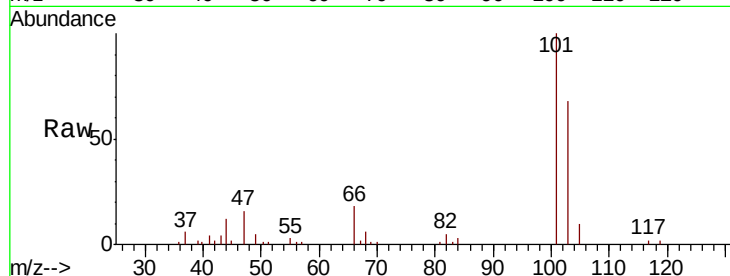


#7

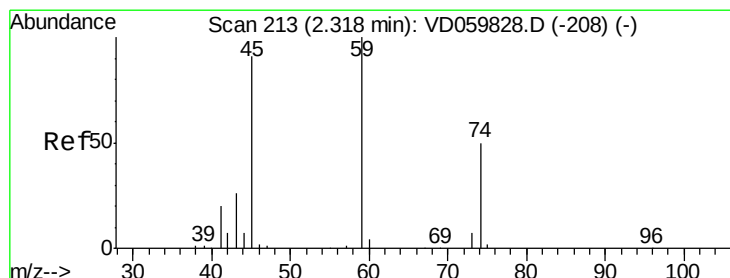
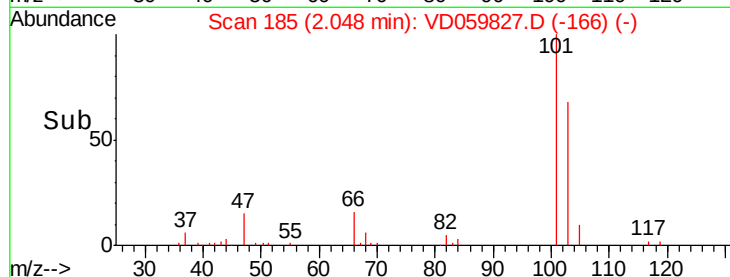
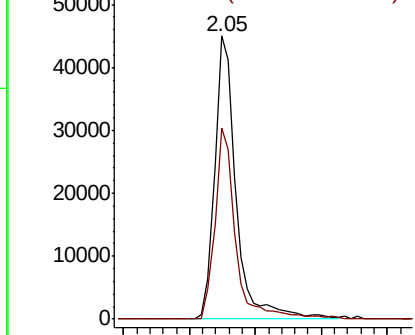
Trichlorofluoromethane
Concen: 17.726 ug/l
RT: 2.05 min Scan# 185
Delta R.T. -0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 101 Resp: 101261
Ion Ratio Lower Upper
101 100
103 67.7 53.0 79.4



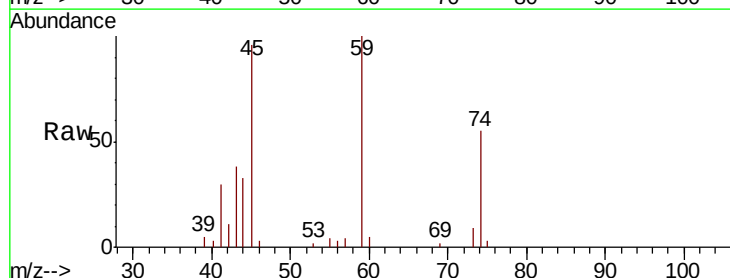
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



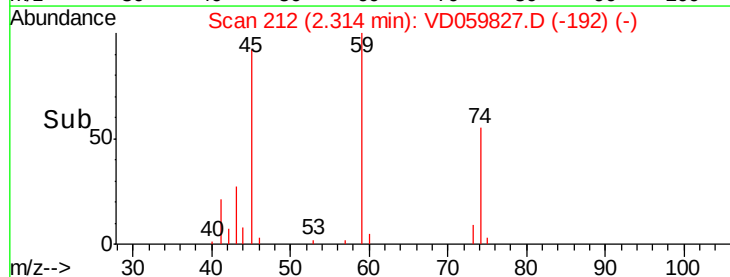
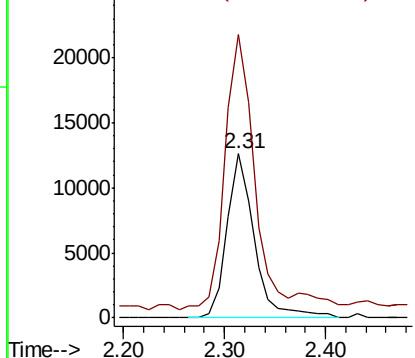
#8

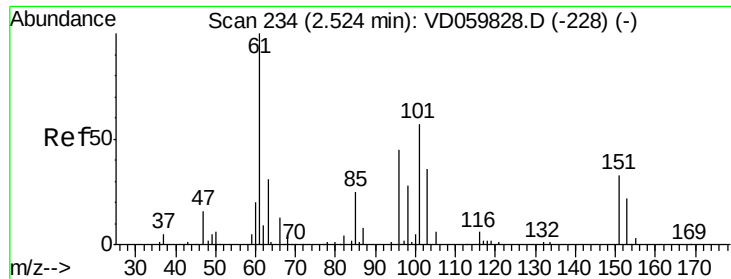
Diethyl Ether
Concen: 18.889 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 74 Resp: 23743
Ion Ratio Lower Upper
74 100
45 172.5 90.6 271.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.798 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

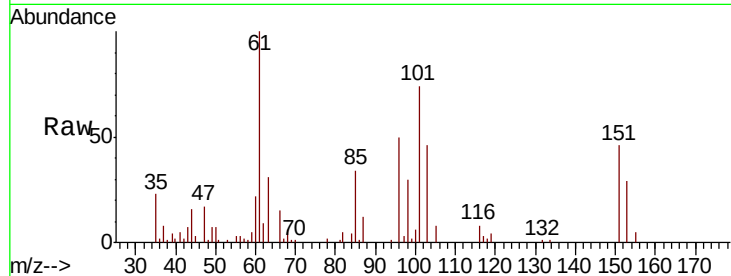
Tgt Ion:101 Resp: 67247

Ion Ratio Lower Upper

101 100

85 46.1 35.7 53.5

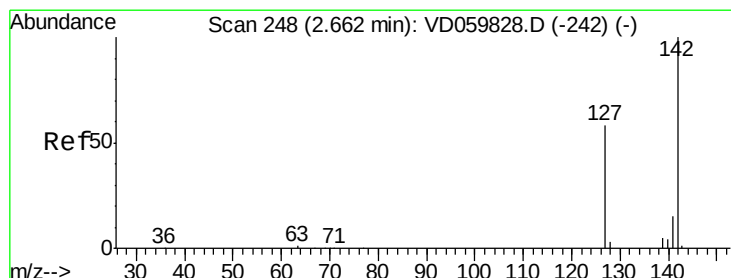
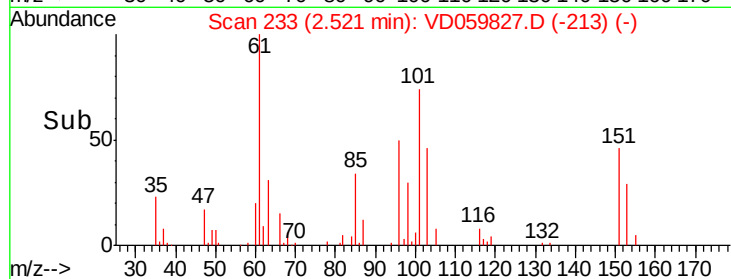
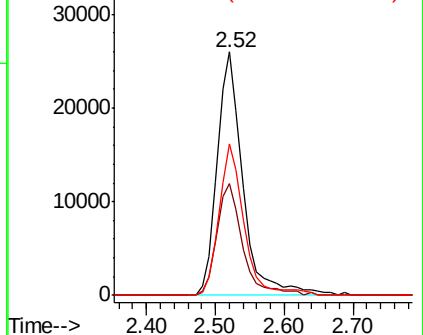
151 62.2 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.671 ug/l

RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

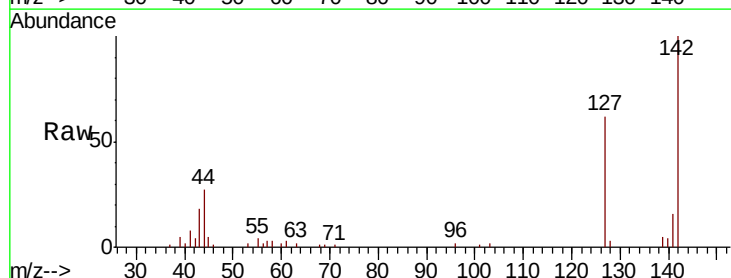
Tgt Ion:142 Resp: 65356

Ion Ratio Lower Upper

142 100

127 61.6 46.6 69.8

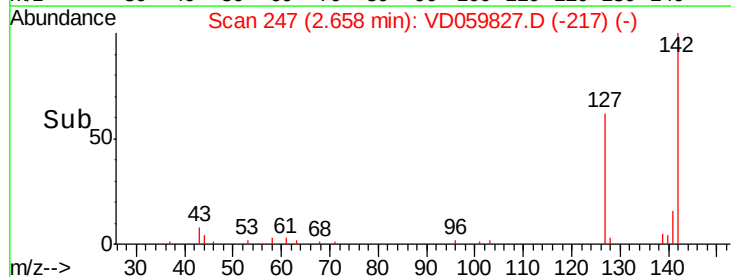
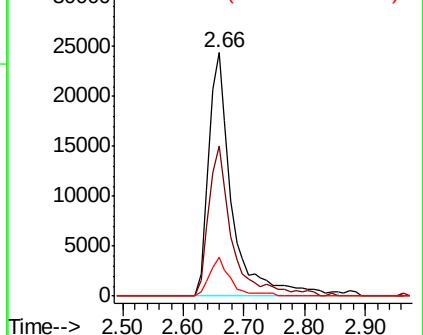
141 16.0 11.7 17.5

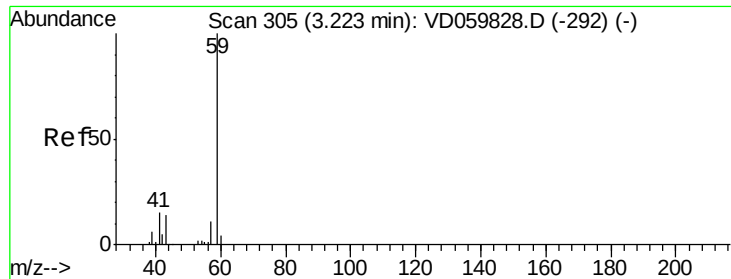


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

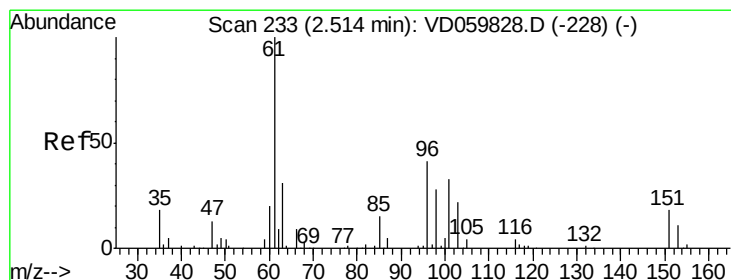
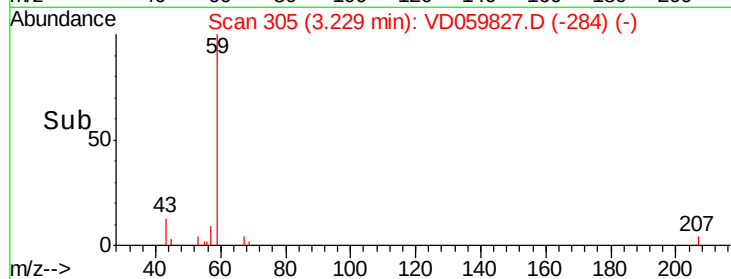
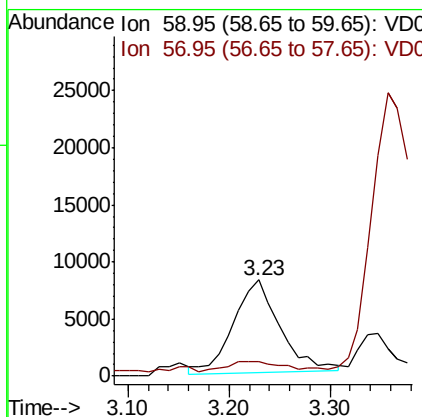
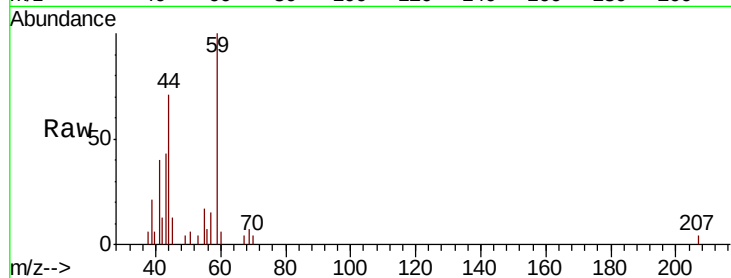




#11
Tert butyl alcohol
Concen: 93.506 ug/l
RT: 3.23 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

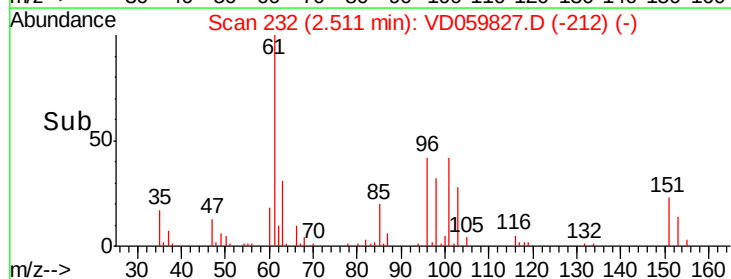
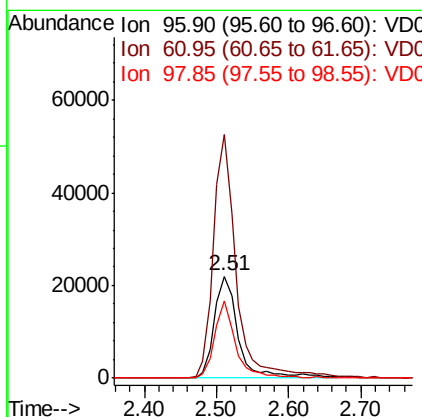
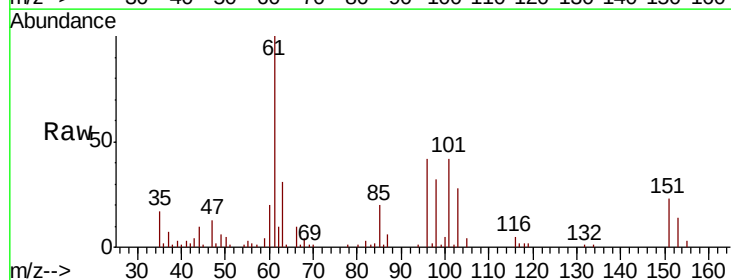
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

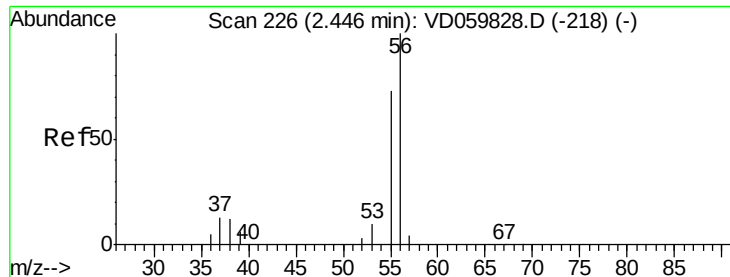
Tgt Ion: 59 Resp: 26668
Ion Ratio Lower Upper
59 100
57 15.1 10.3 15.5



#12
1,1-Dichloroethene
Concen: 18.122 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 96 Resp: 50701
Ion Ratio Lower Upper
96 100
61 239.4 194.0 291.0
98 75.5 53.4 80.0





#13

Acrolein

Concen: 79.924 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

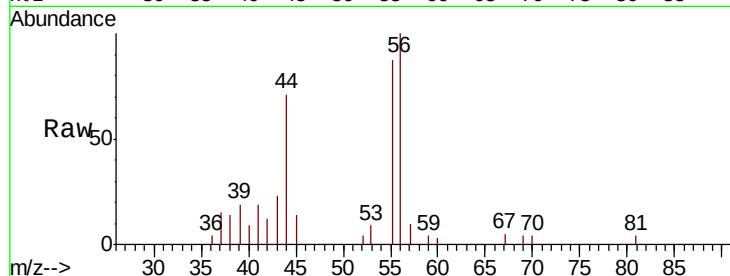
VSTDIC020

Tgt Ion: 56 Resp: 21481

Ion Ratio Lower Upper

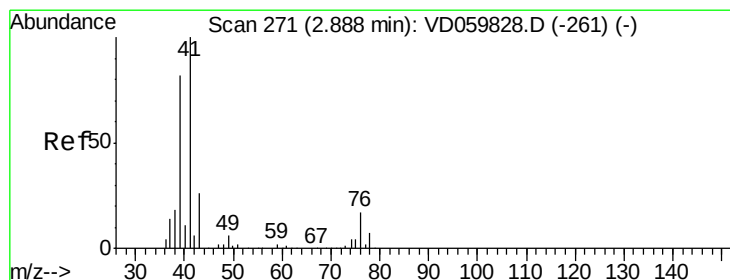
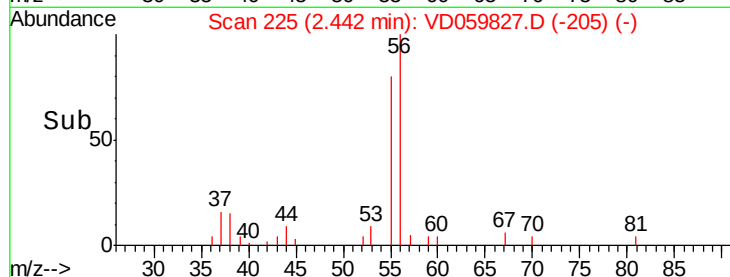
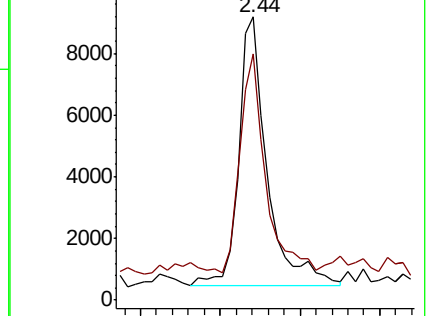
56 100

55 86.8 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.961 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

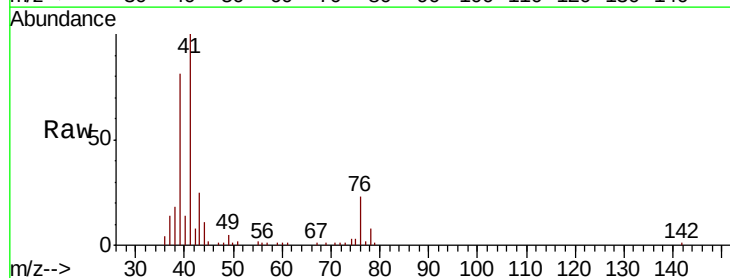
Tgt Ion: 41 Resp: 140632

Ion Ratio Lower Upper

41 100

39 81.0 65.9 98.9

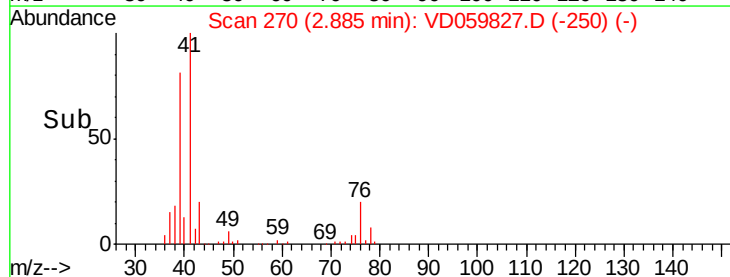
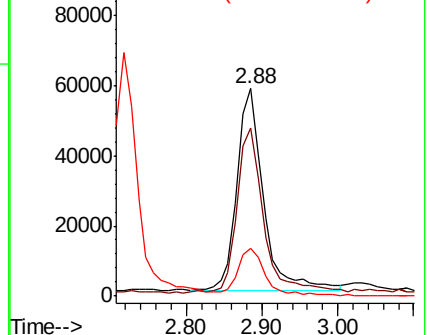
76 22.9 19.9 29.9

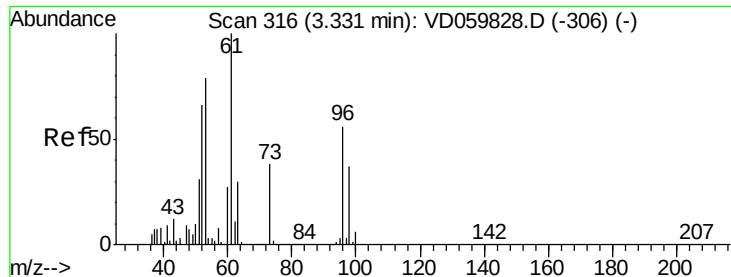


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.289 ug/l

RT: 3.32 min Scan# 314

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

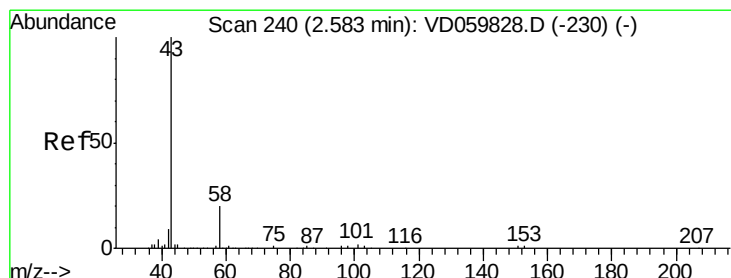
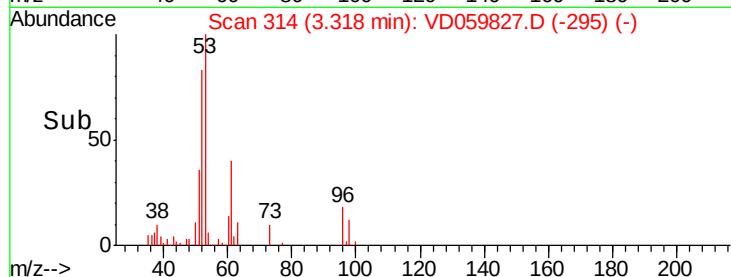
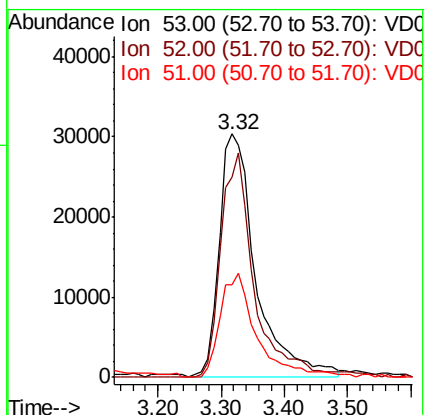
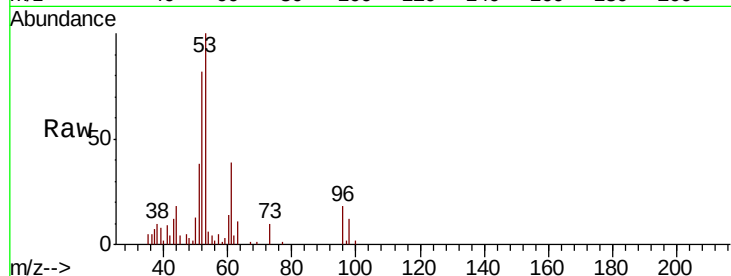
Tgt Ion: 53 Resp: 122726

Ion Ratio Lower Upper

53 100

52 82.0 66.8 100.2

51 38.2 31.6 47.4



#16

Acetone

Concen: 88.303 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059827.D

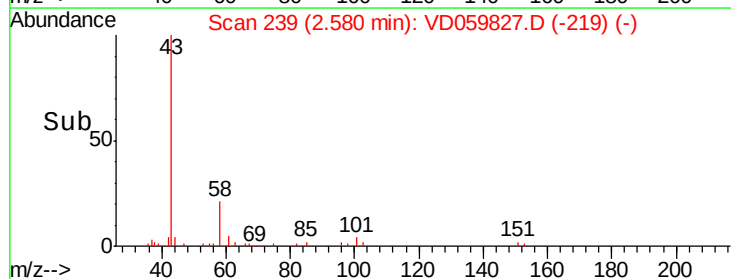
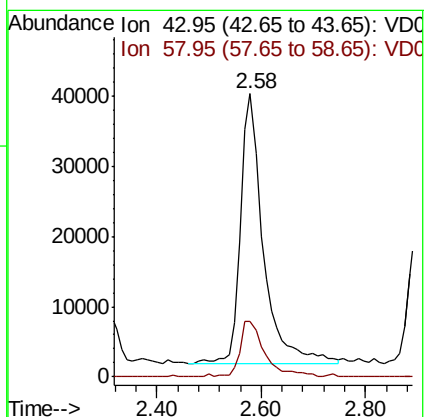
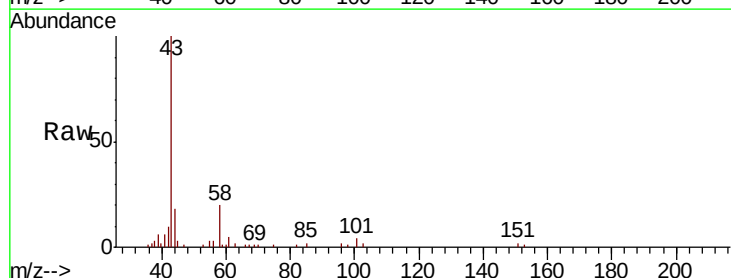
Acq: 20 Aug 2018 12:59

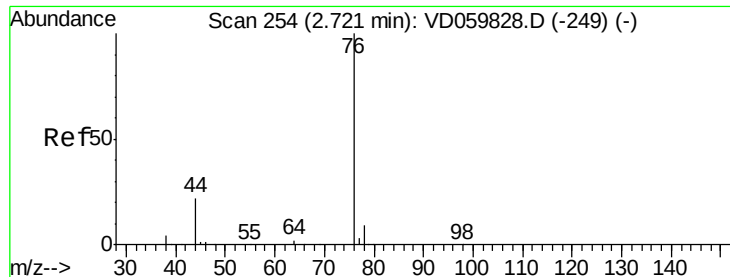
Tgt Ion: 43 Resp: 113659

Ion Ratio Lower Upper

43 100

58 19.7 16.2 24.2

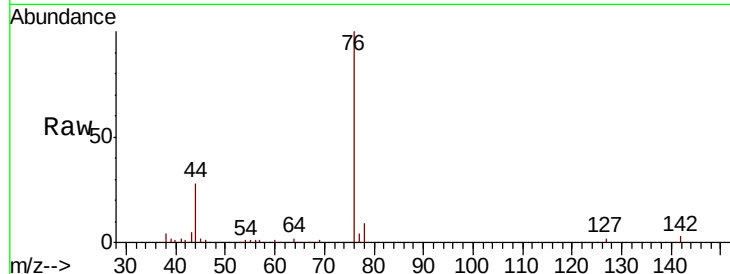




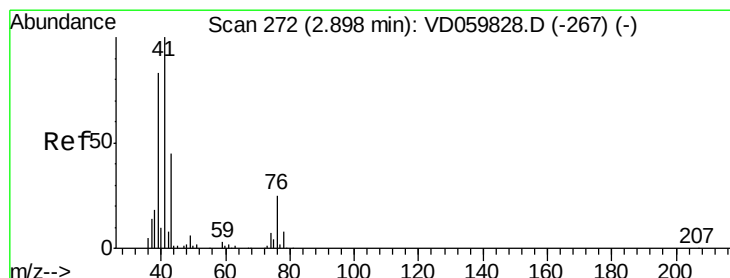
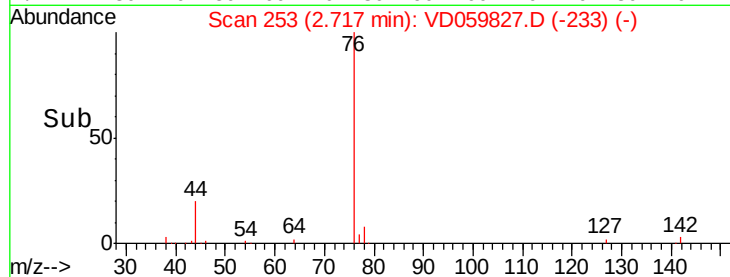
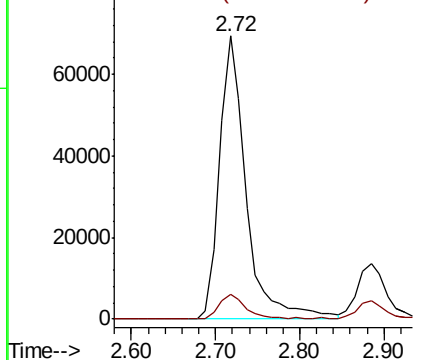
#17
Carbon Disulfide
Concen: 16.255 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 152245
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6

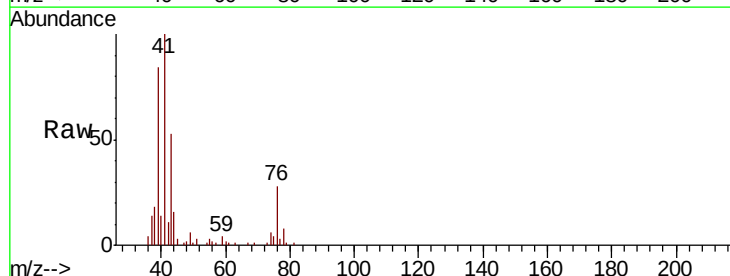


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

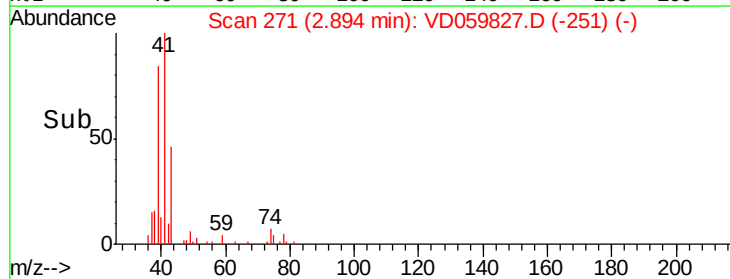
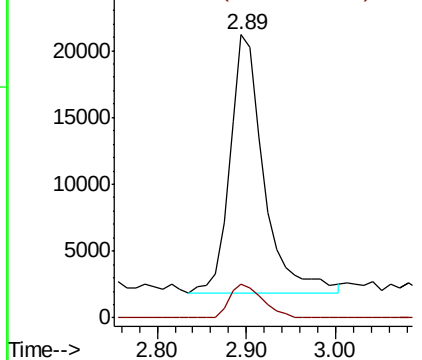


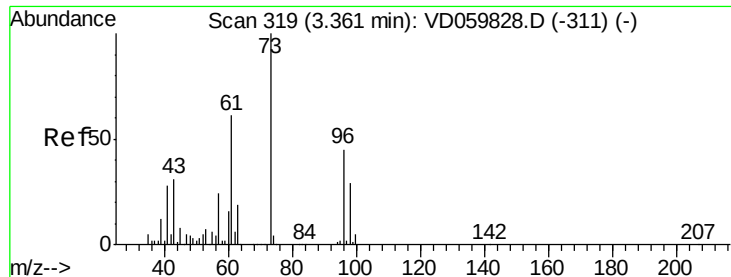
#18
Methyl Acetate
Concen: 18.294 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 43 Resp: 51379
Ion Ratio Lower Upper
43 100
74 11.9 11.4 17.0



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





#19

Methyl tert-butyl Ether

Concen: 19.819 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

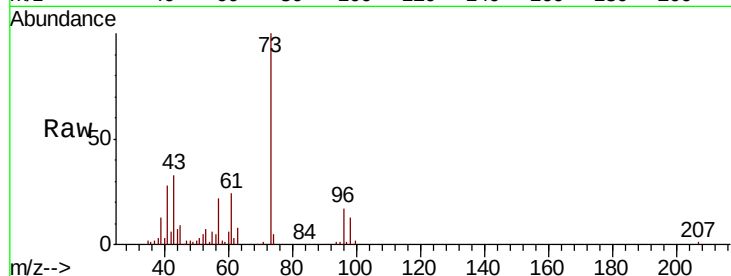
VSTDIC020

Tgt Ion: 73 Resp: 325181

Ion Ratio Lower Upper

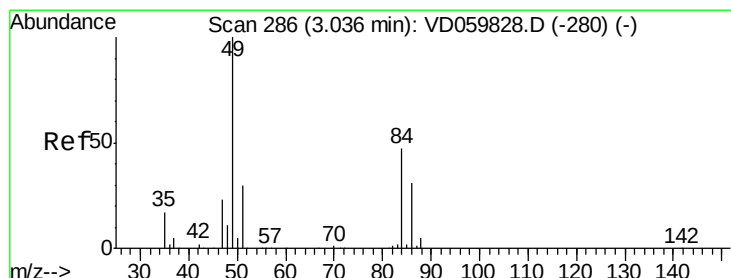
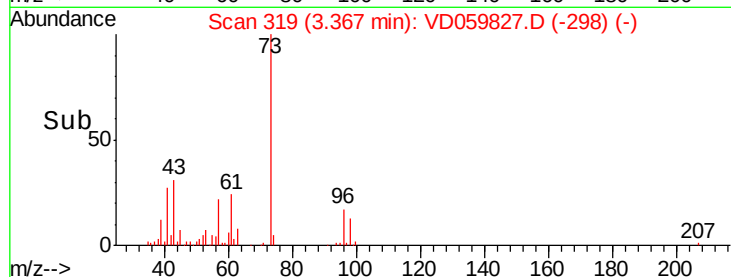
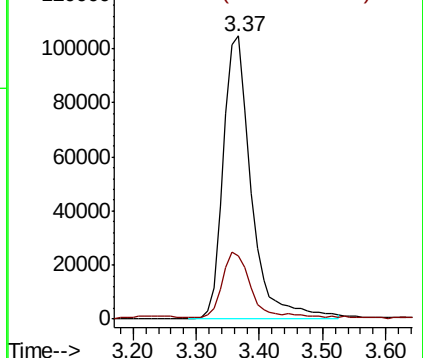
73 100

57 22.5 19.4 29.0



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 16.155 ug/l

RT: 3.03 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion: 84 Resp: 70469

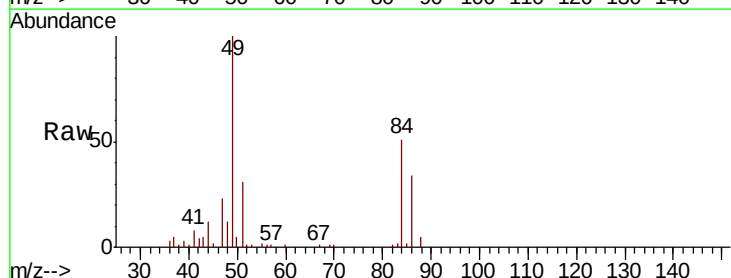
Ion Ratio Lower Upper

84 100

49 196.8 170.4 255.6

51 61.4 51.4 77.0

86 66.7 52.4 78.6

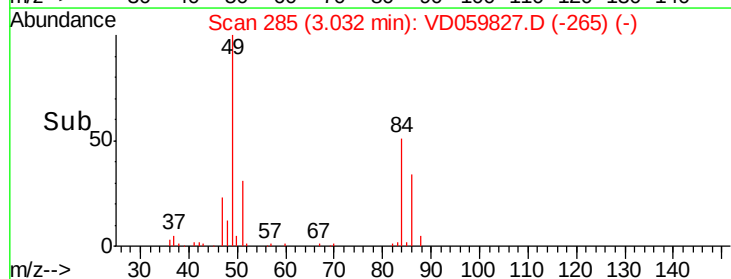
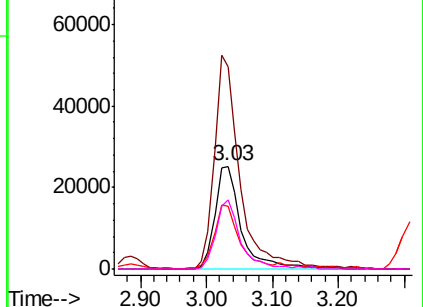


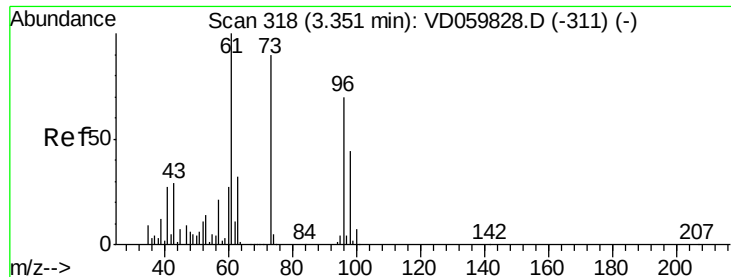
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 17.757 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

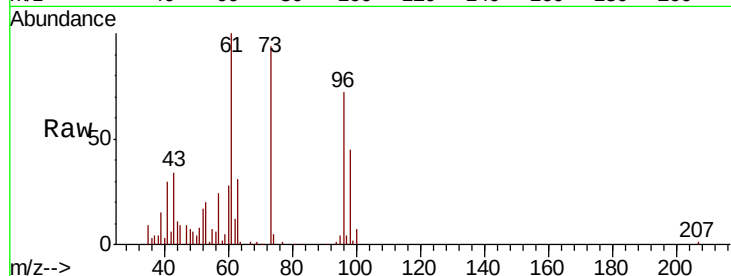
Tgt Ion: 96 Resp: 138918

Ion Ratio Lower Upper

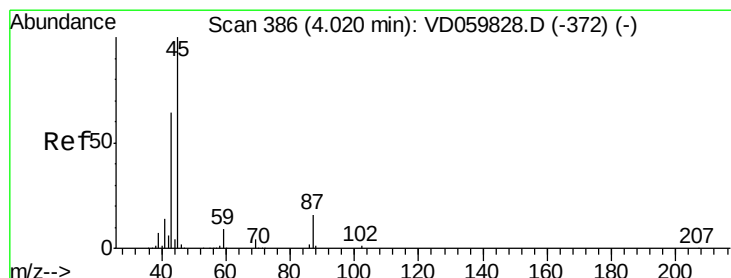
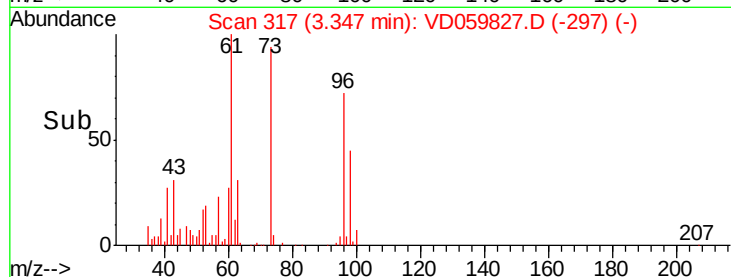
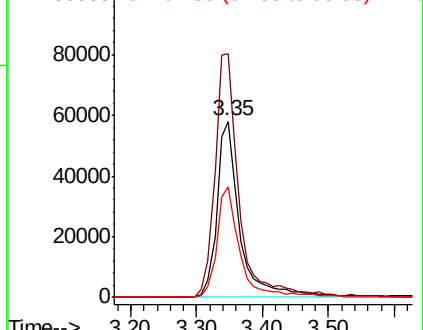
96 100

61 138.1 114.1 171.1

98 62.7 50.1 75.1



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



#22

Diisopropyl ether

Concen: 19.913 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion: 45 Resp: 760181

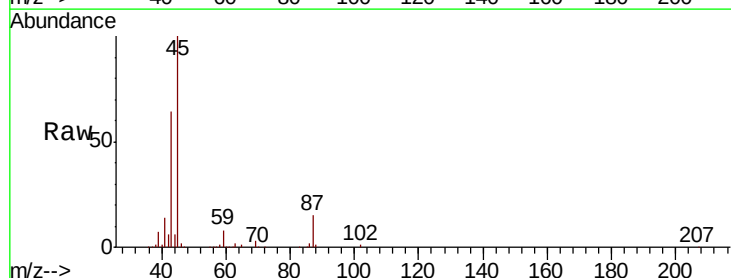
Ion Ratio Lower Upper

45 100

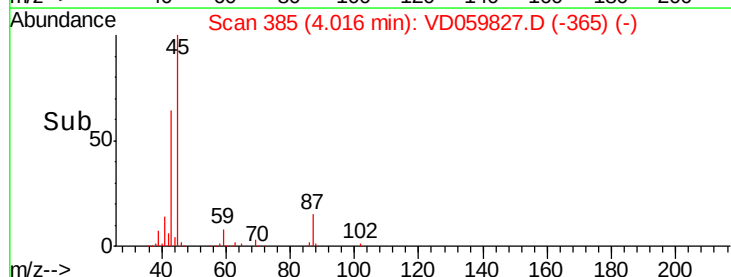
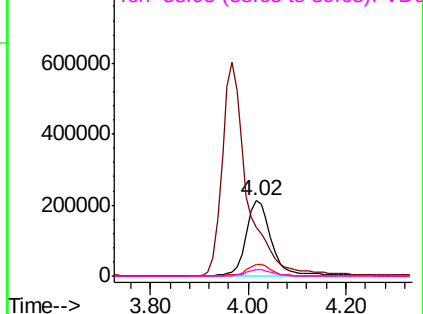
43 64.2 51.1 76.7

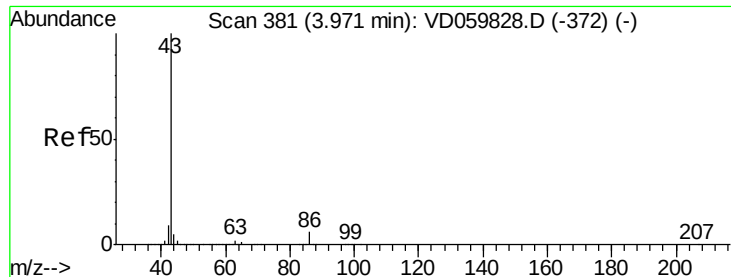
87 14.6 12.5 18.7

59 8.1 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: 102.596 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

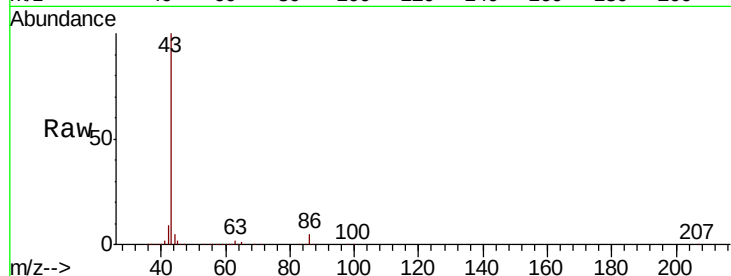
VSTDIC020

Tgt Ion: 43 Resp: 2115225

Ion Ratio Lower Upper

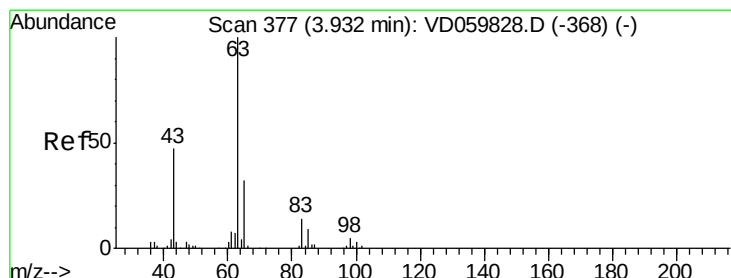
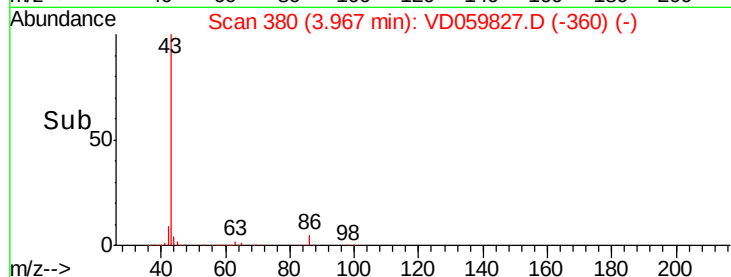
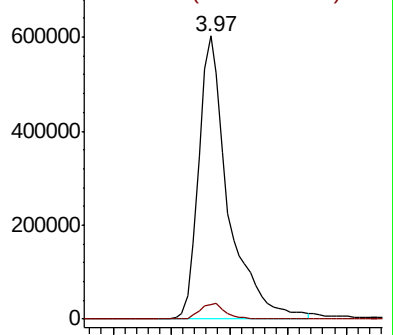
43 100

86 5.2 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.275 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

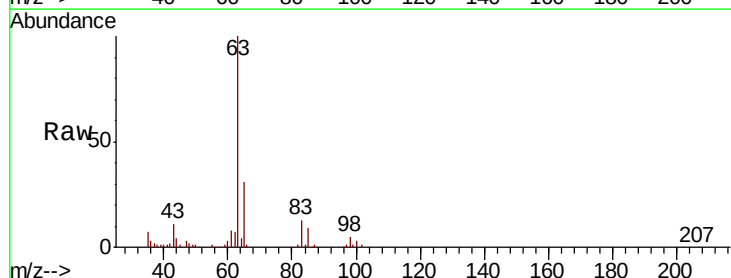
Tgt Ion: 63 Resp: 321679

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

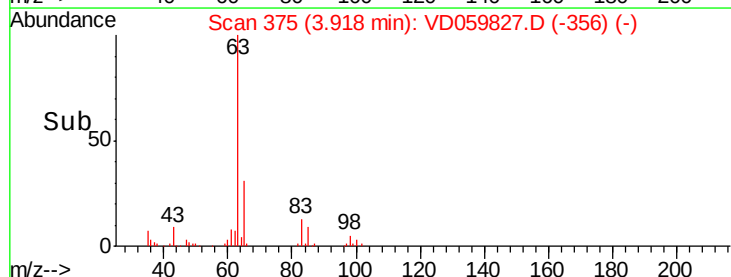
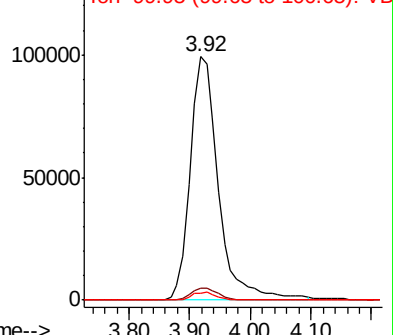
100 3.0 1.7 5.0

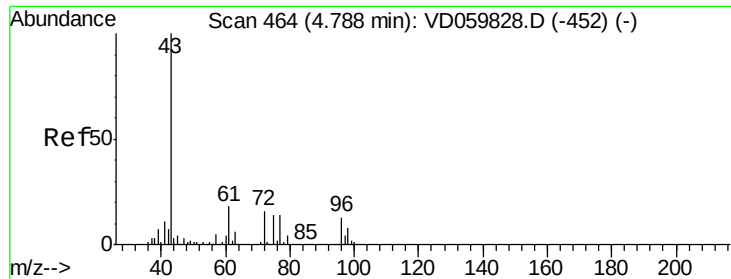


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 90.689 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

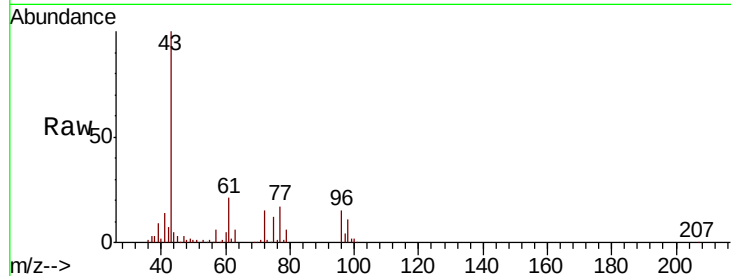
VSTDIC020

Tgt Ion: 43 Resp: 350521

Ion Ratio Lower Upper

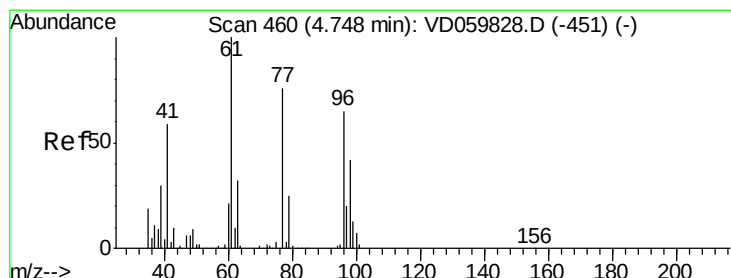
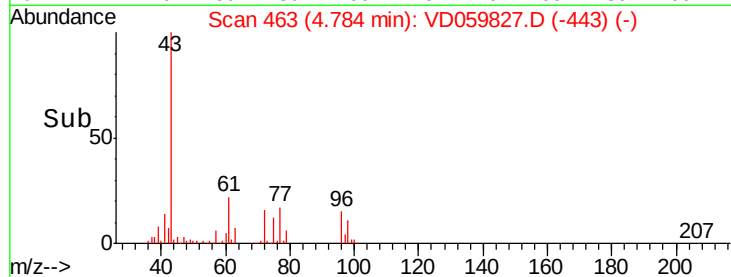
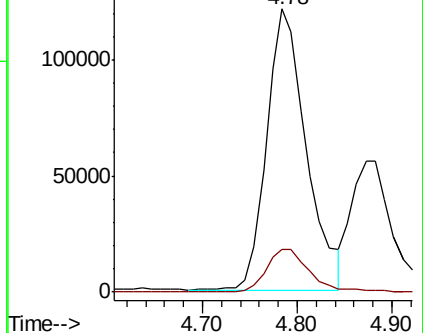
43 100

72 15.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.060 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059827.D

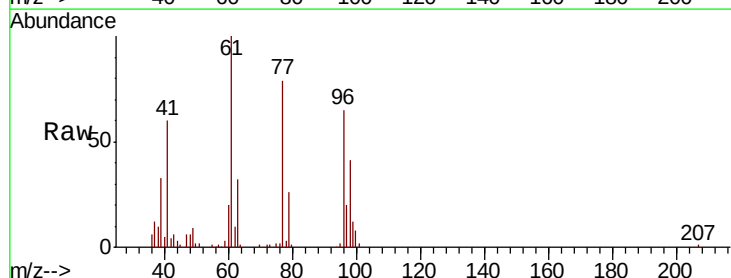
Acq: 20 Aug 2018 12:59

Tgt Ion: 77 Resp: 252371

Ion Ratio Lower Upper

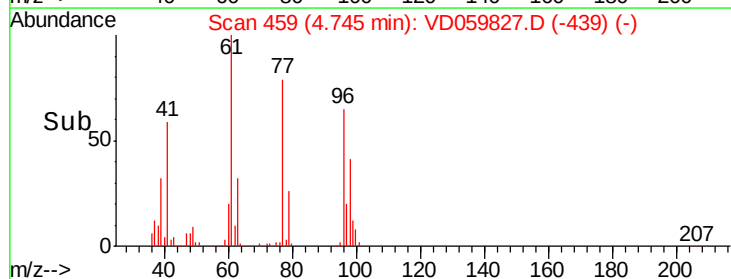
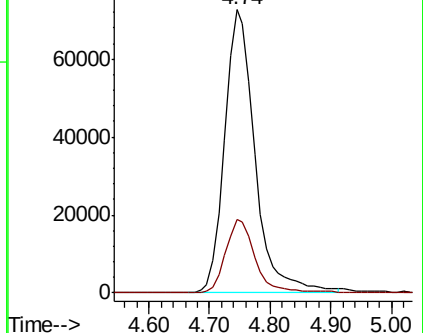
77 100

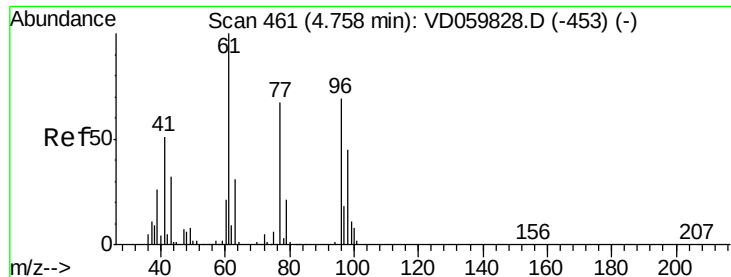
97 26.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



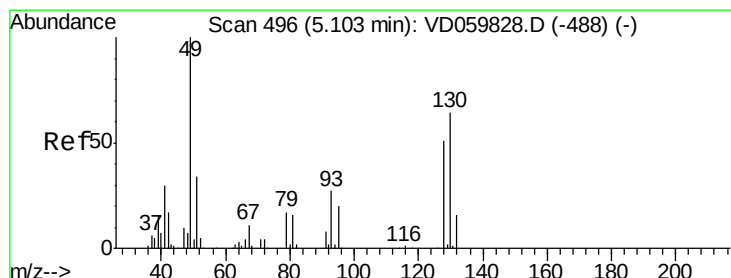
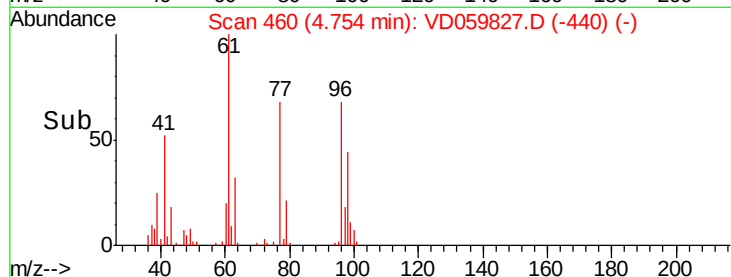
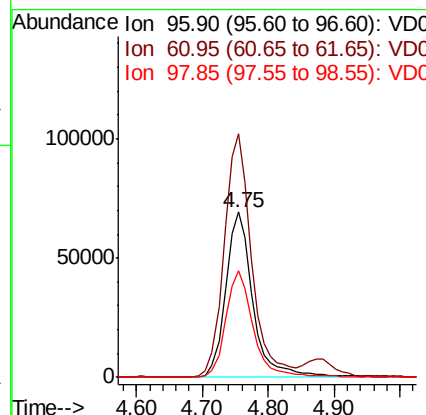
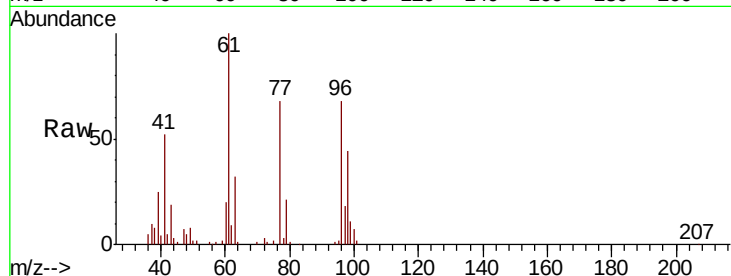


#27

cis-1,2-Dichloroethene
 Concen: 19.864 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

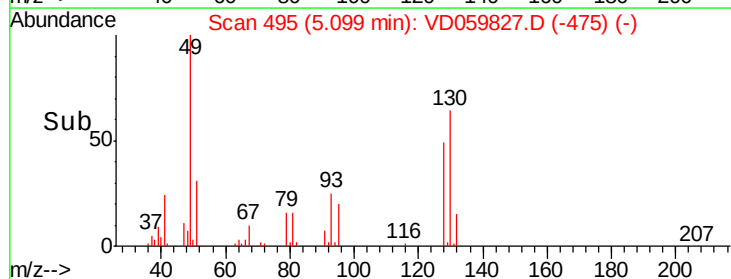
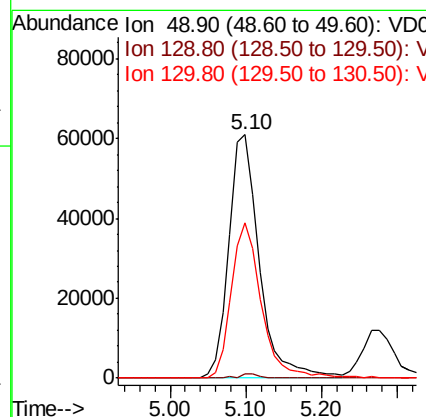
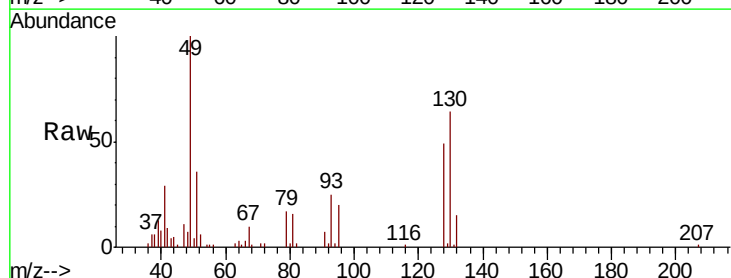
Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	291.8
98	64.5	0.0	131.6

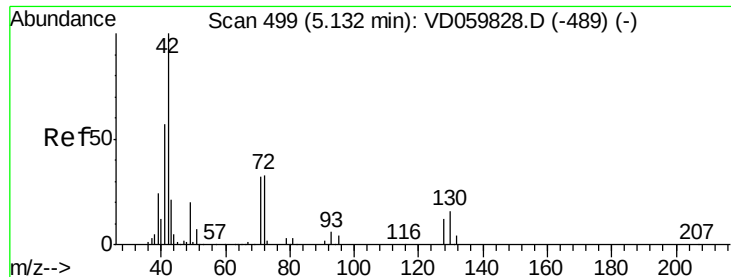


#28

Bromochloromethane
 Concen: 19.903 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	63.8	51.0	76.6

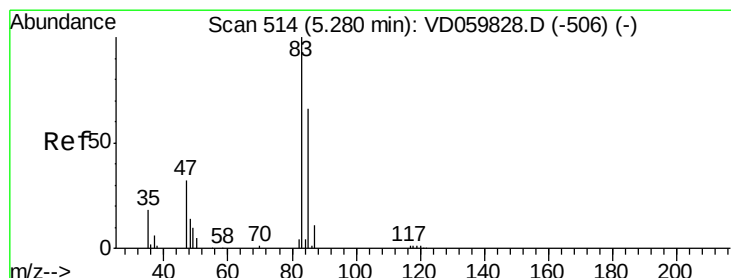
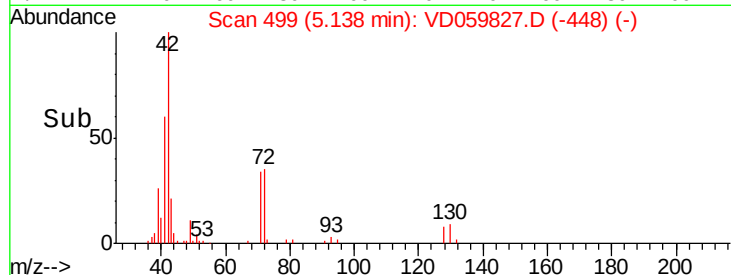
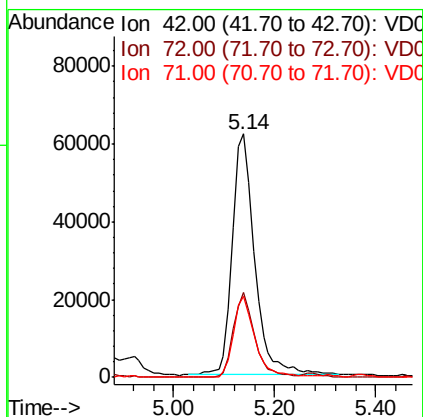
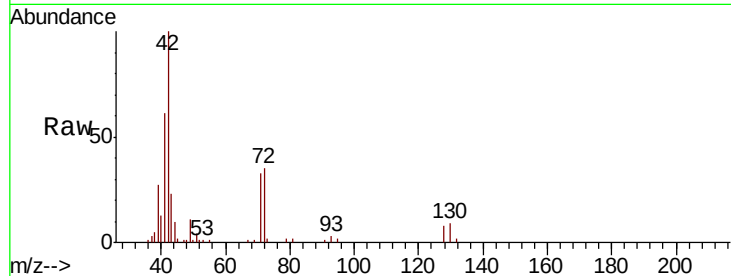




#29
Tetrahydrofuran
Concen: 97.182 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

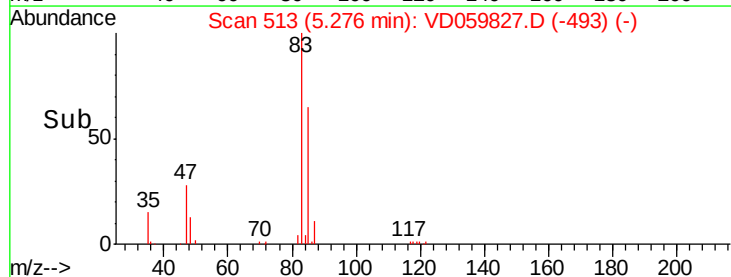
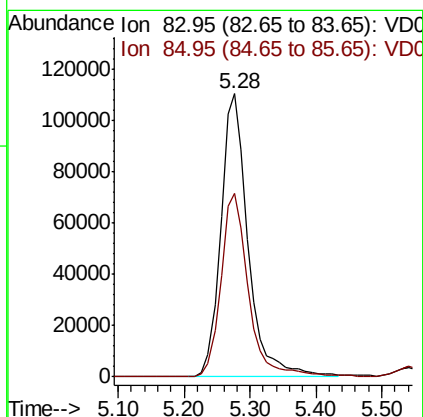
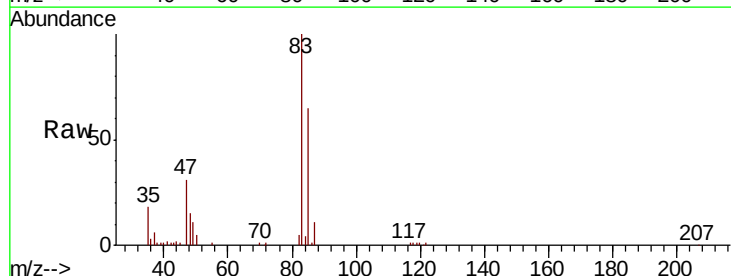
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

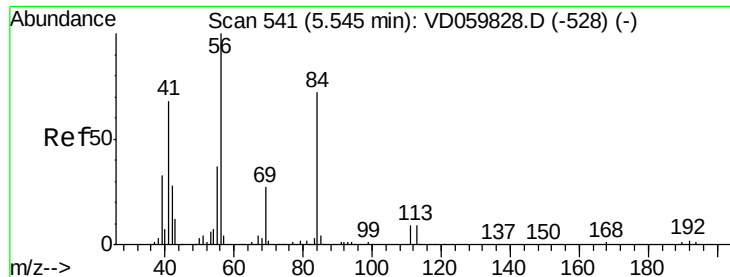
Tgt Ion: 42 Resp: 188391
Ion Ratio Lower Upper
42 100
72 33.1 25.8 38.6
71 32.3 25.7 38.5



#30
Chloroform
Concen: 19.362 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 83 Resp: 318260
Ion Ratio Lower Upper
83 100
85 64.9 52.9 79.3

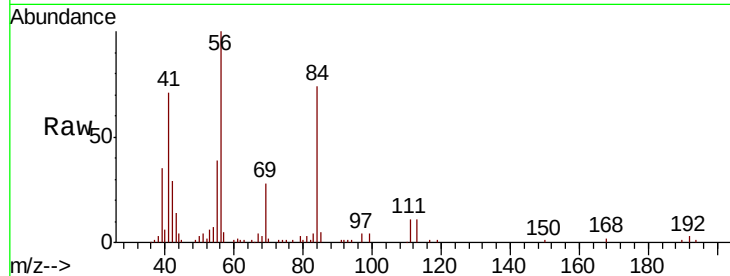




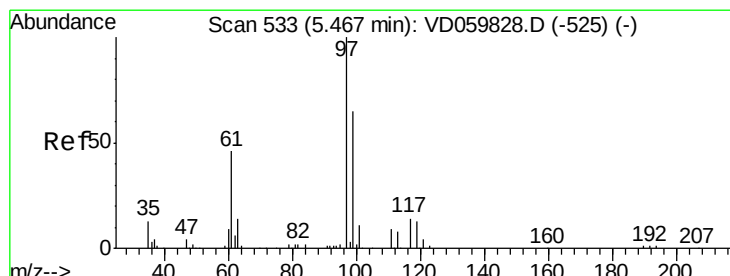
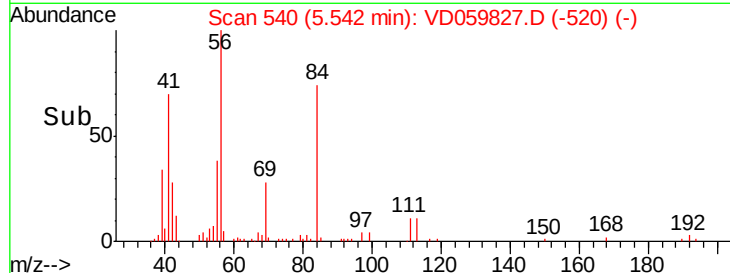
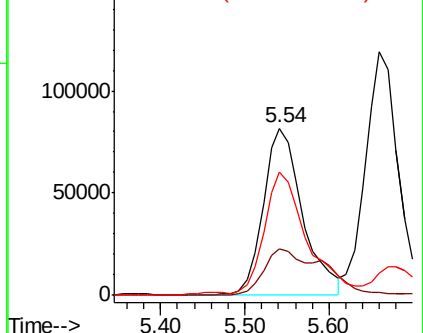
#31
Cyclohexane
Concen: 17.512 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 267079
Ion Ratio Lower Upper
56 100
69 27.8 21.7 32.5
84 73.9 57.8 86.6

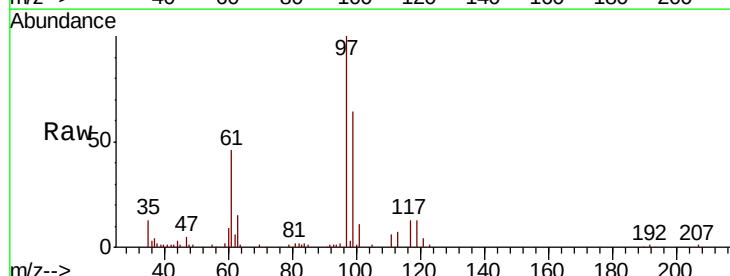


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

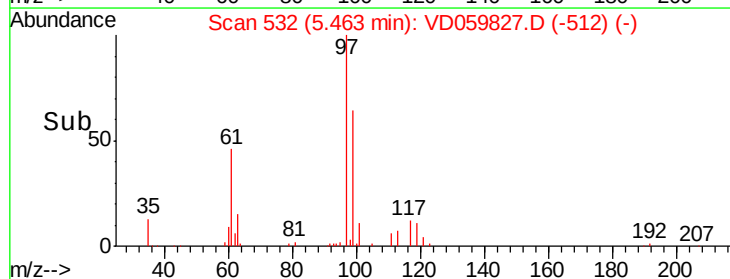
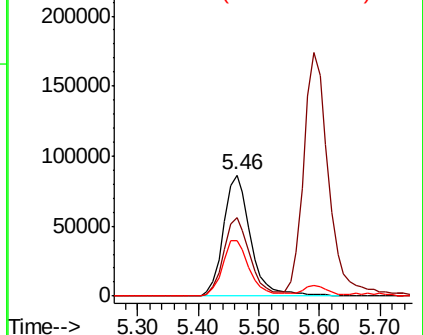


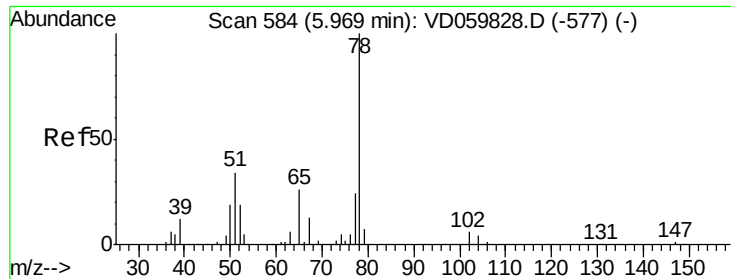
#32
1,1,1-Trichloroethane
Concen: 19.393 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 97 Resp: 269093
Ion Ratio Lower Upper
97 100
99 64.3 51.9 77.9
61 45.8 37.0 55.6



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

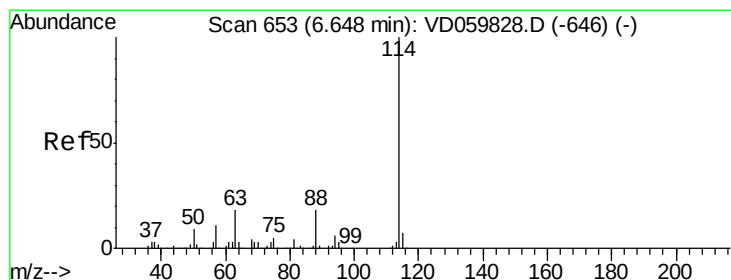
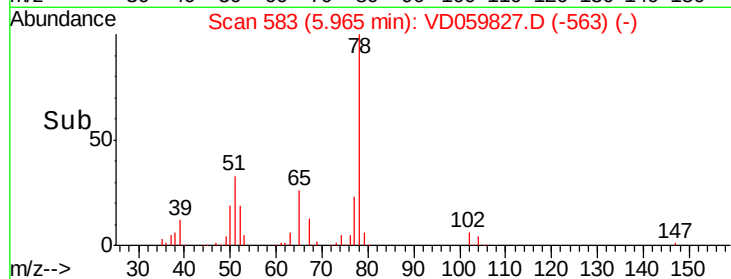
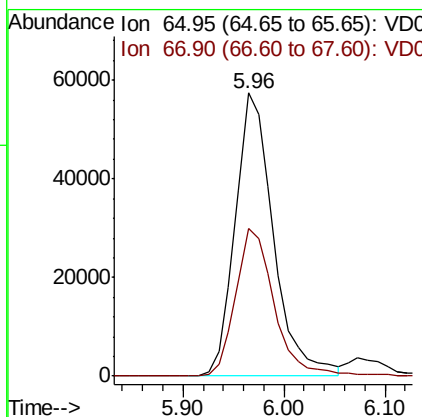
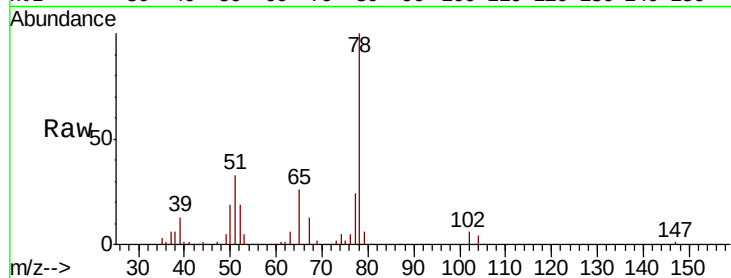




#33
 1,2-Dichloroethane-d4
 Concen: 19.393 ug/l
 RT: 5.96 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

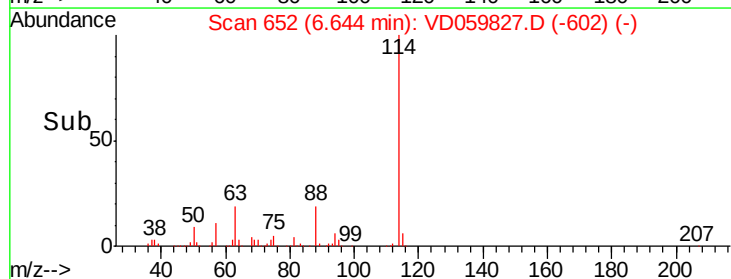
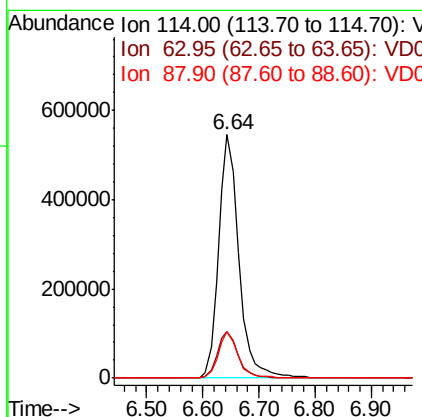
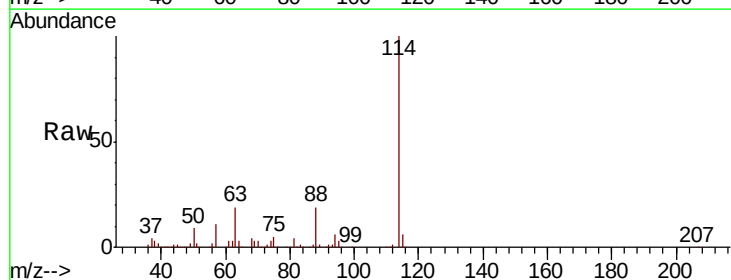
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

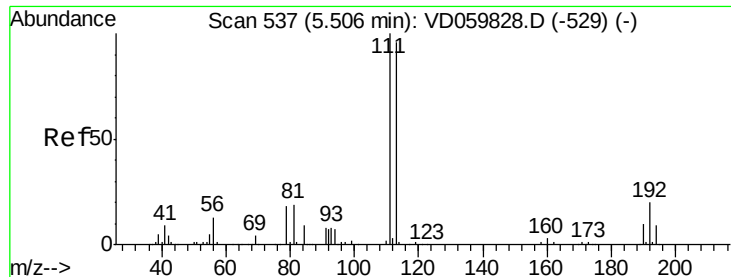
Tgt Ion: 65 Resp: 151693
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 114 Resp: 1379025
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 18.9 0.0 37.0

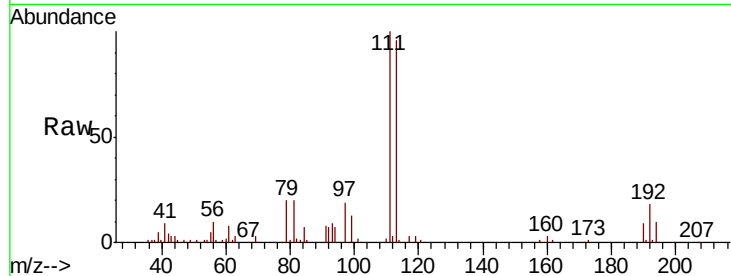




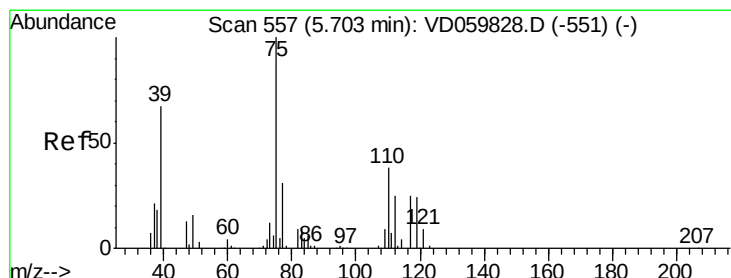
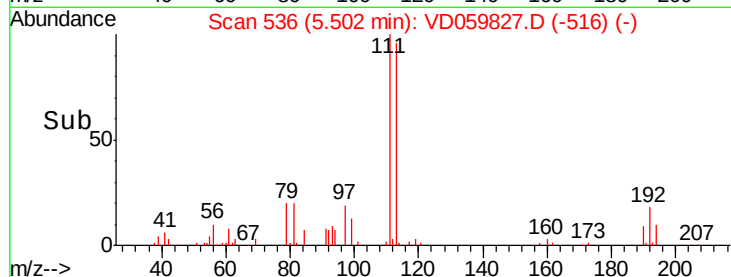
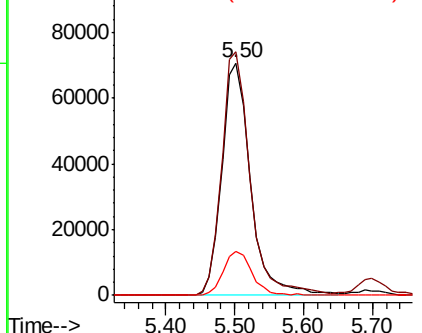
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:113 Resp: 204978
Ion Ratio Lower Upper
113 100
111 104.6 83.3 124.9
192 19.0 16.8 25.2

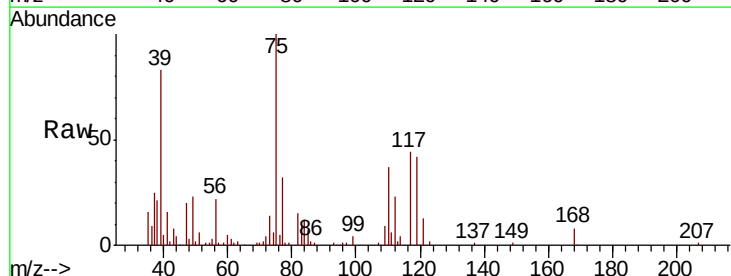


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

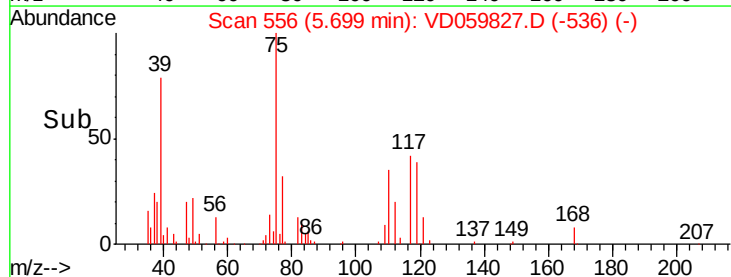
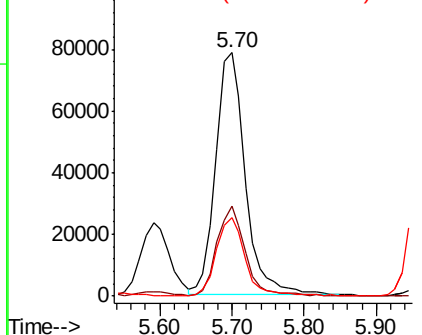


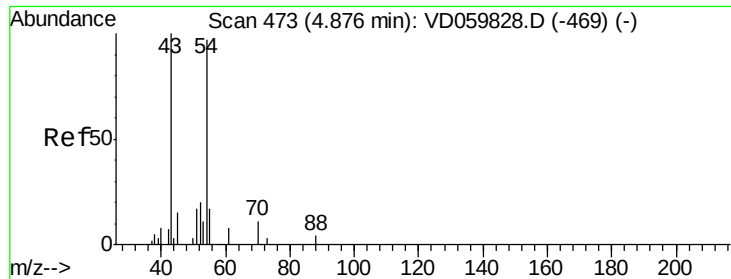
#36
1,1-Dichloropropene
Concen: 18.732 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 75 Resp: 222219
Ion Ratio Lower Upper
75 100
110 36.9 18.8 56.4
77 32.1 24.9 37.3



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

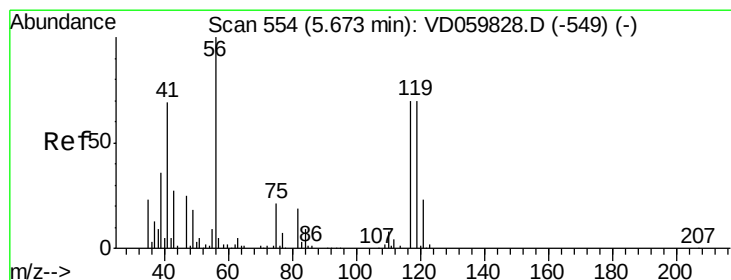
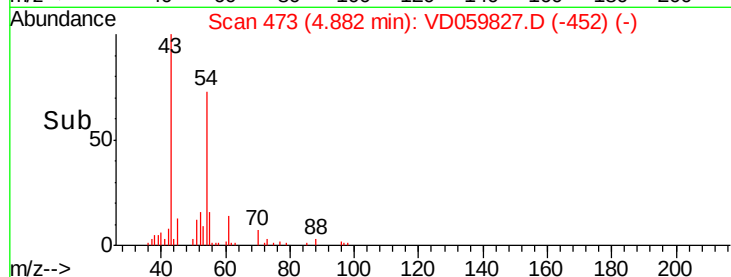
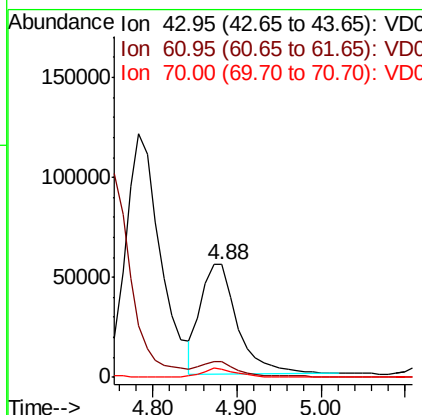
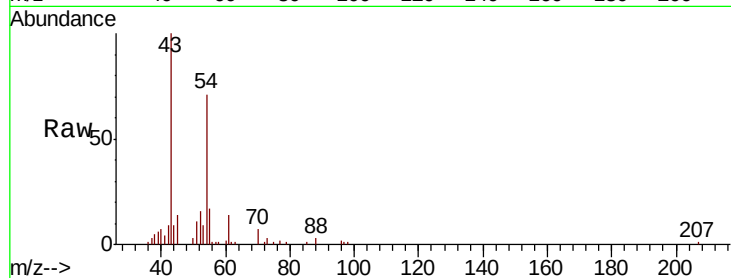




#37
Ethyl Acetate
Concen: 19.125 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

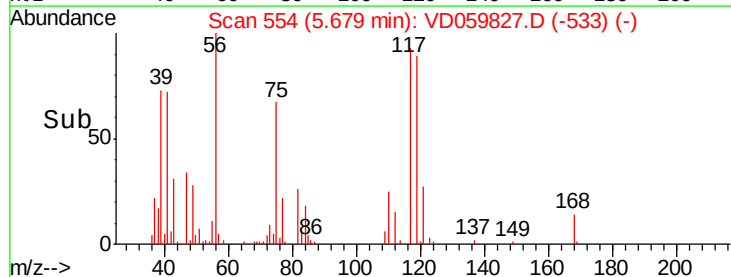
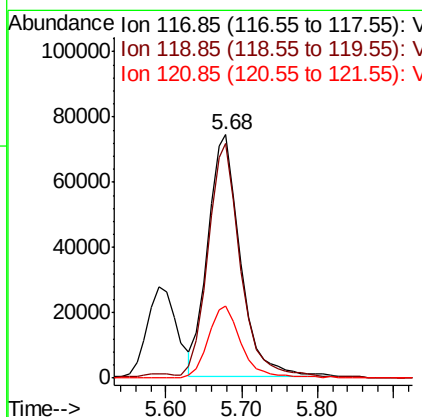
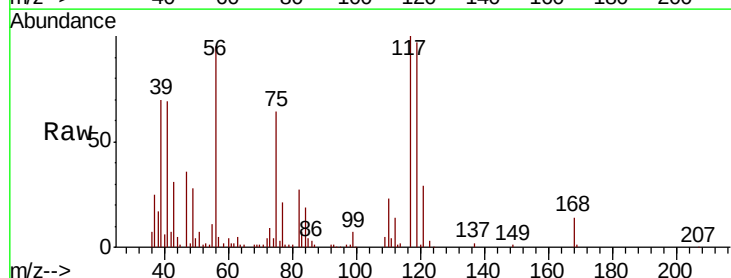
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

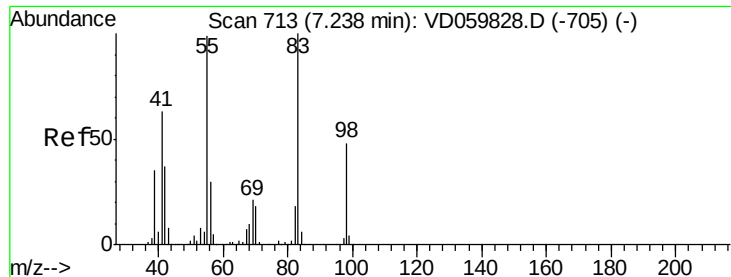
Tgt Ion: 43 Resp: 165093
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 7.3 6.2 9.2



#38
Carbon Tetrachloride
Concen: 18.755 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 117 Resp: 221222
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.4
121 29.5 24.7 37.1

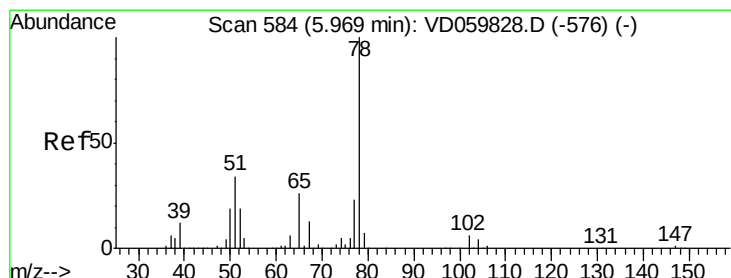
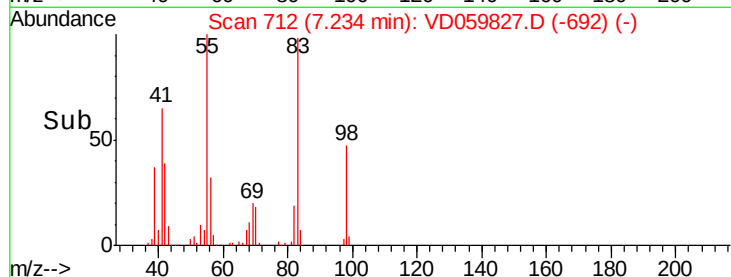
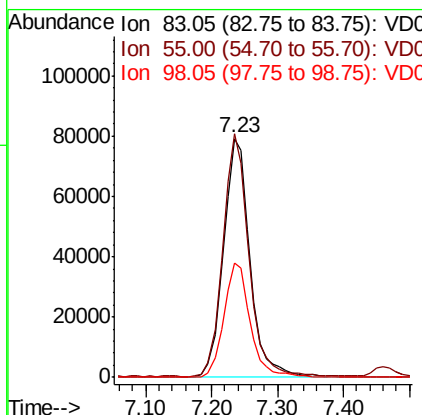
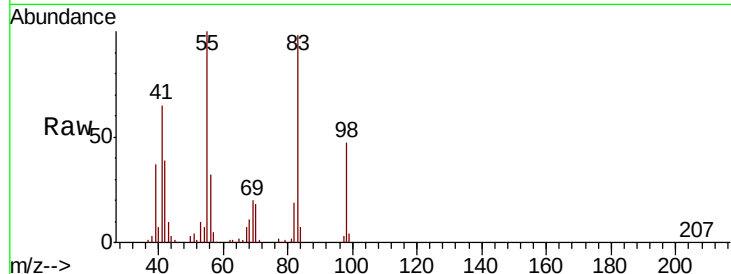




#39
Methylcyclohexane
Concen: 17.638 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

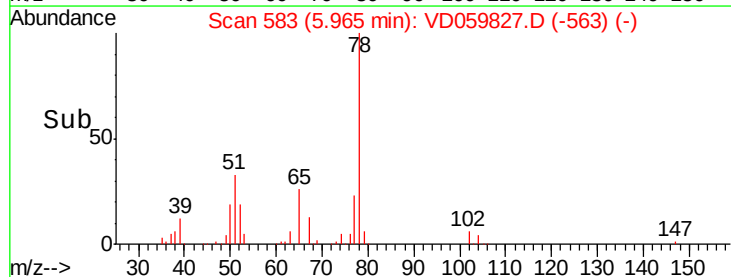
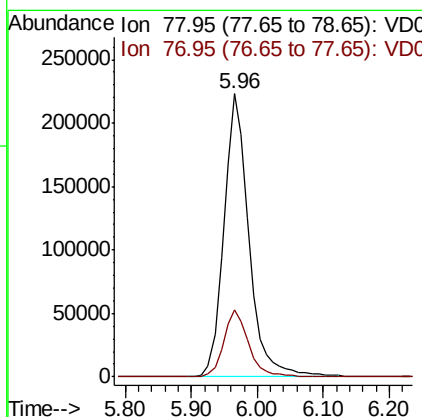
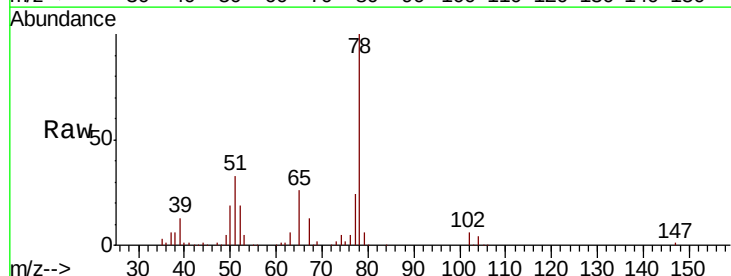
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

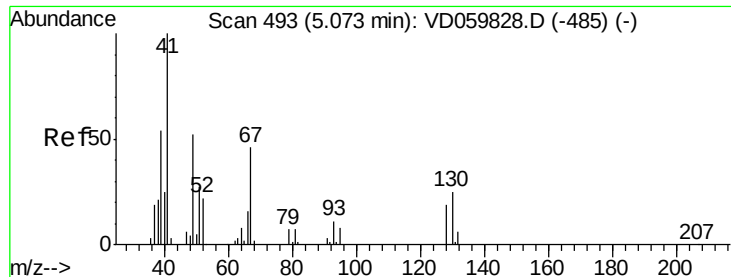
Tgt Ion: 83 Resp: 222416
Ion Ratio Lower Upper
83 100
55 102.0 79.0 118.6
98 48.0 38.1 57.1



#40
Benzene
Concen: 19.381 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 78 Resp: 593579
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 21.203 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 94249

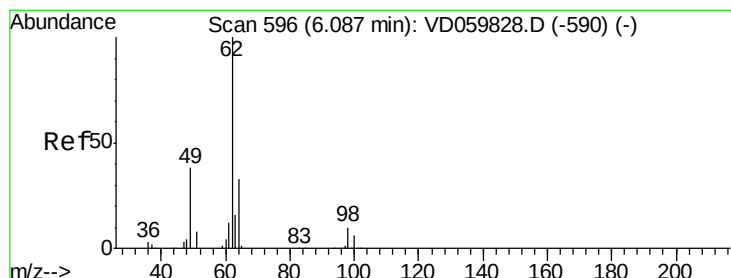
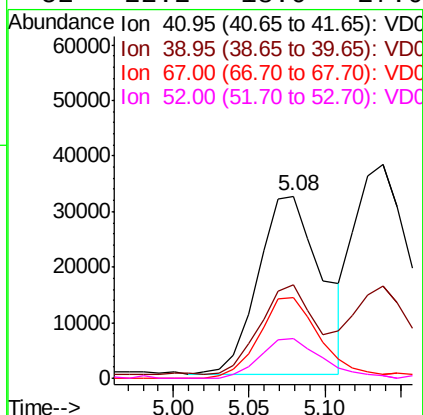
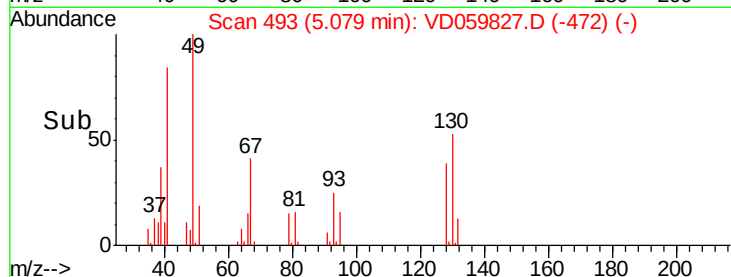
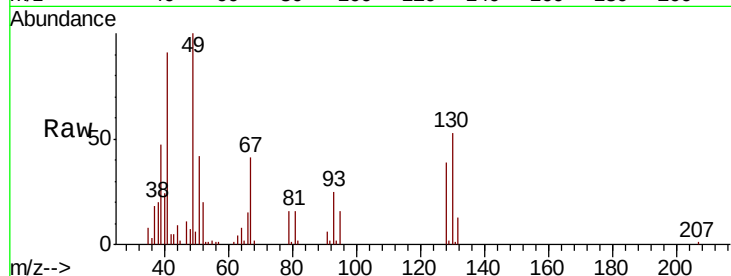
Ion Ratio Lower Upper

41 100

39 51.6 43.0 64.6

67 44.6 36.7 55.1

52 22.2 18.0 27.0



#42

1,2-Dichloroethane

Concen: 19.432 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD059827.D

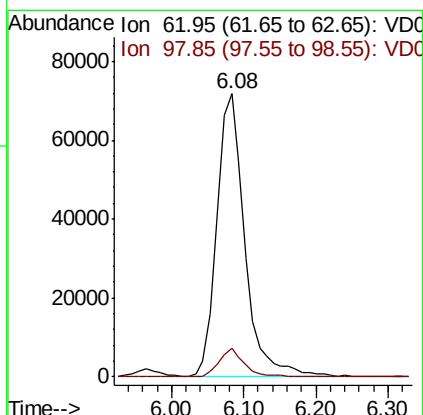
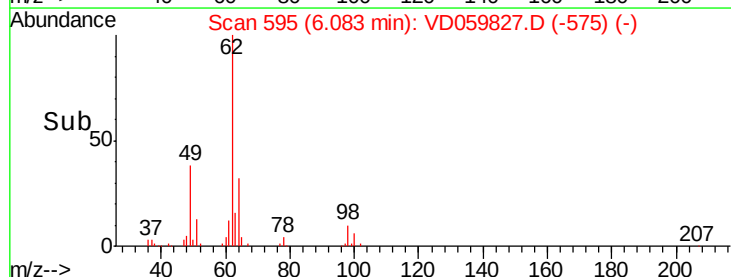
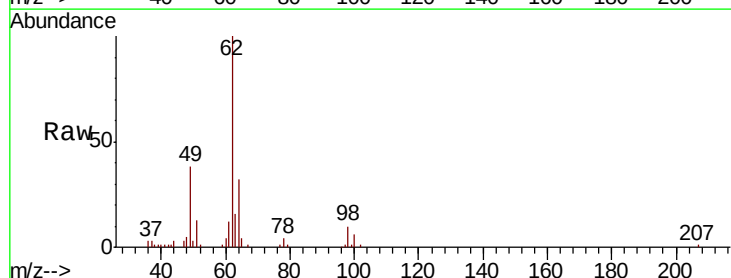
Acq: 20 Aug 2018 12:59

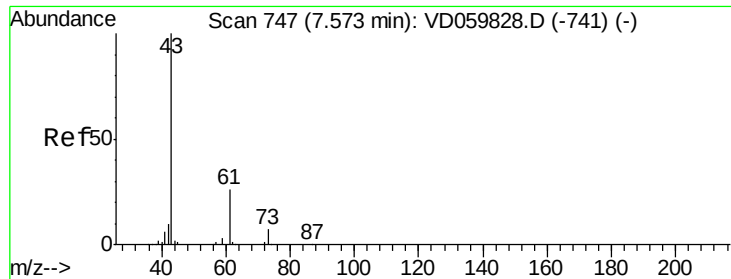
Tgt Ion: 62 Resp: 191119

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.769 ug/l

RT: 7.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

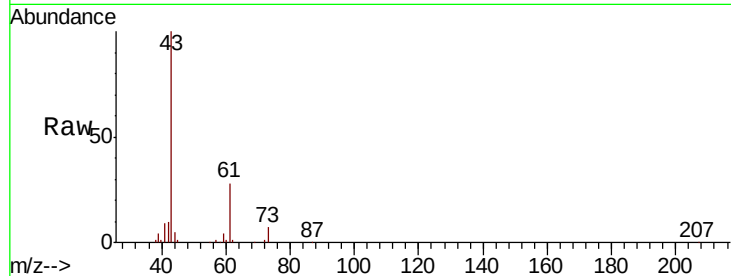
Tgt Ion: 43 Resp: 234130

Ion Ratio Lower Upper

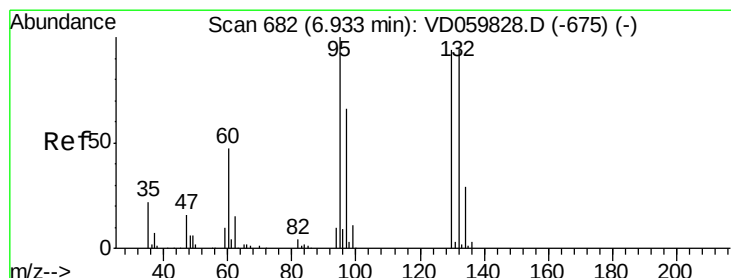
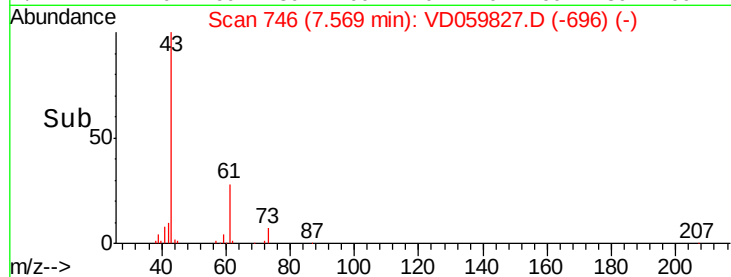
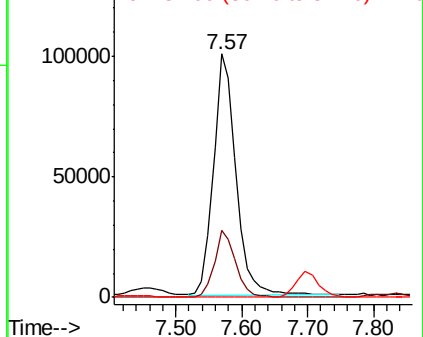
43 100

61 27.5 21.0 31.4

87 0.4 0.2 0.4#



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



#44

Trichloroethene

Concen: 18.763 ug/l

RT: 6.94 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059827.D

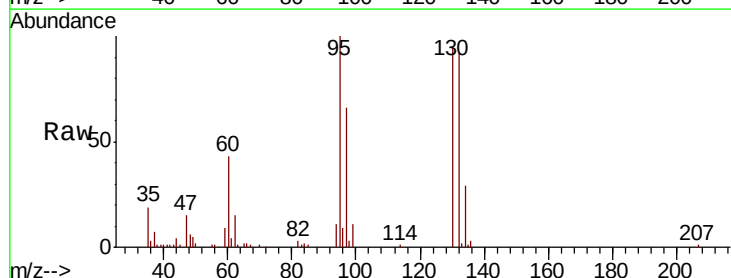
Acq: 20 Aug 2018 12:59

Tgt Ion:130 Resp: 169346

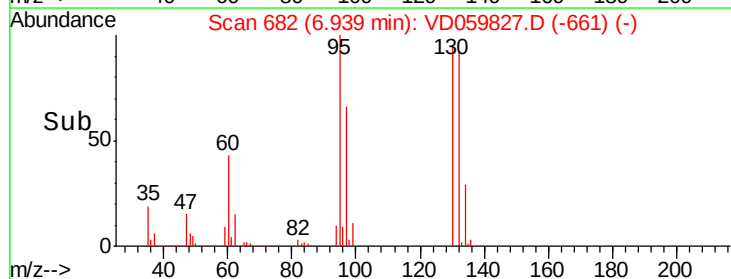
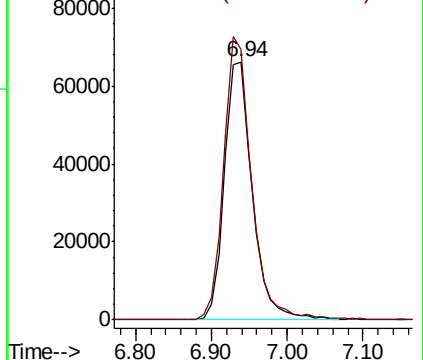
Ion Ratio Lower Upper

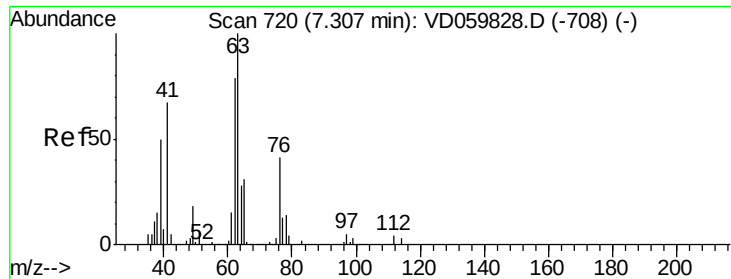
130 100

95 104.7 0.0 213.0



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

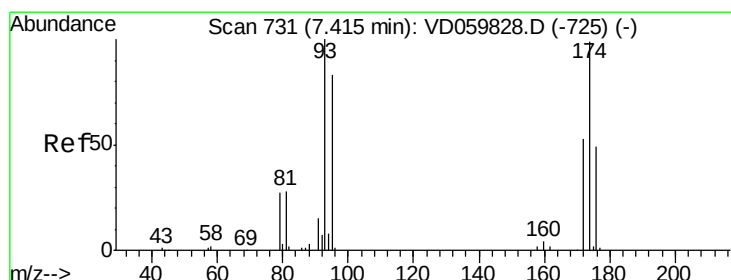
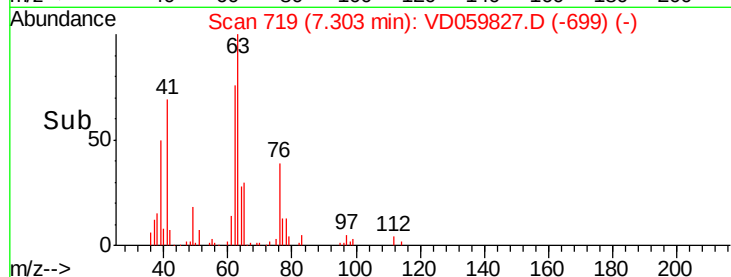
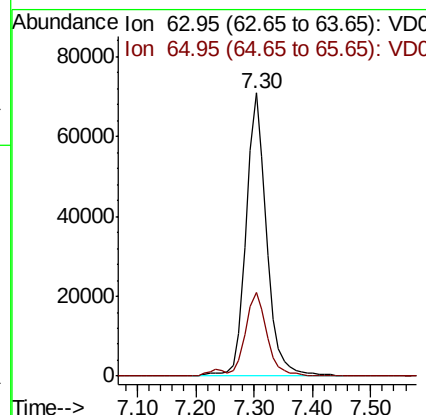
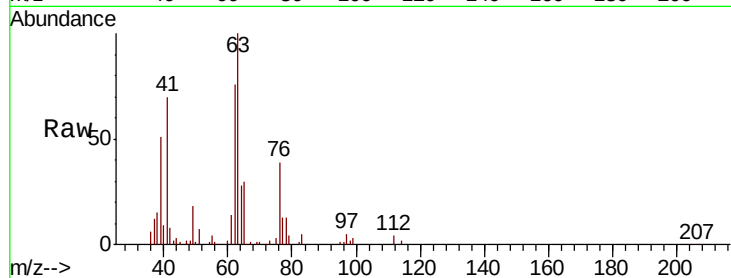




#45
 1,2-Dichloropropane
 Concen: 19.596 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

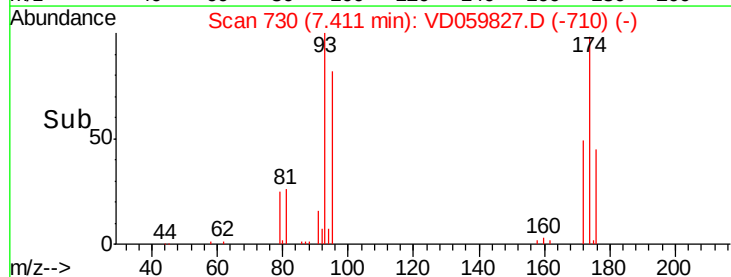
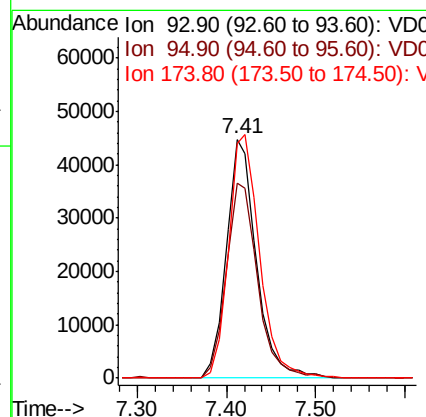
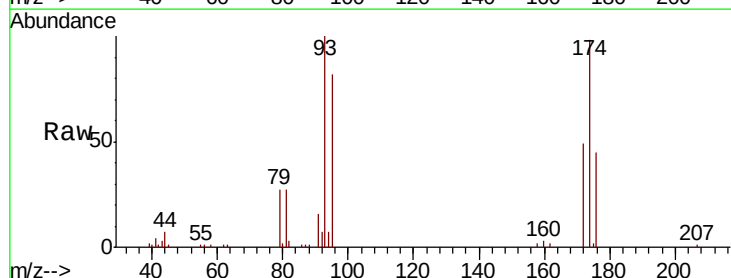
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

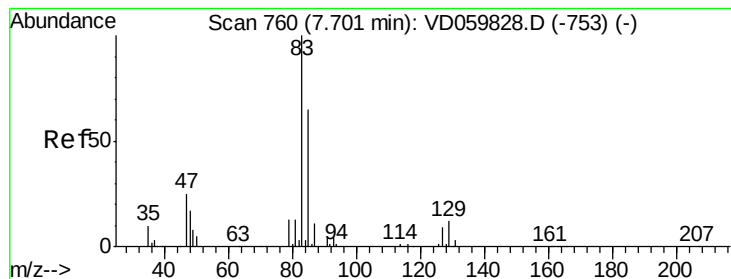
Tgt Ion: 63 Resp: 173967
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.5 36.7



#46
 Dibromomethane
 Concen: 19.193 ug/l
 RT: 7.41 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 93 Resp: 105879
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.3 99.5
 174 98.1 79.4 119.0





#47

Bromodichloromethane

Concen: 19.654 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

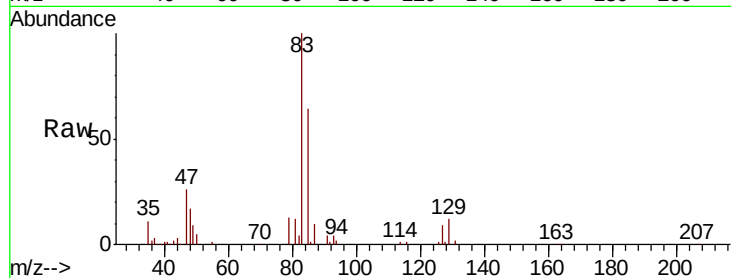
Tgt Ion: 83 Resp: 240590

Ion Ratio Lower Upper

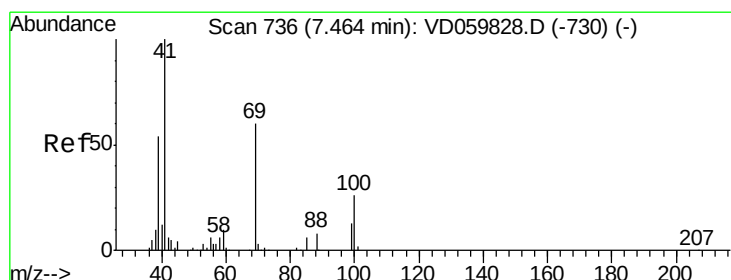
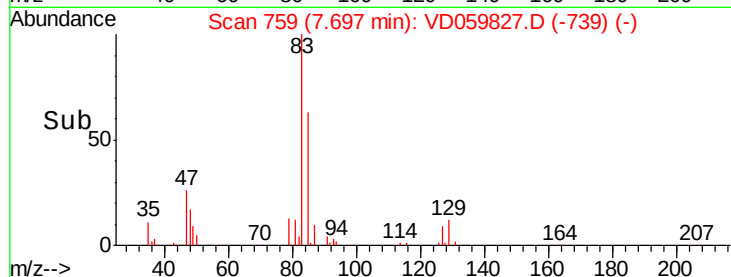
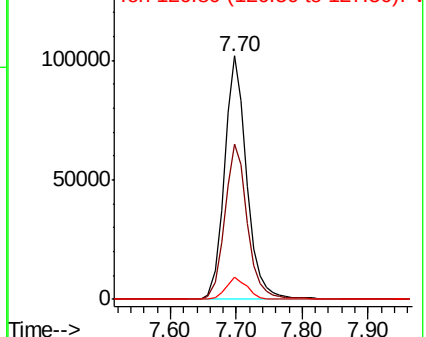
83 100

85 63.8 52.2 78.4

127 9.1 7.1 10.7



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.624 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

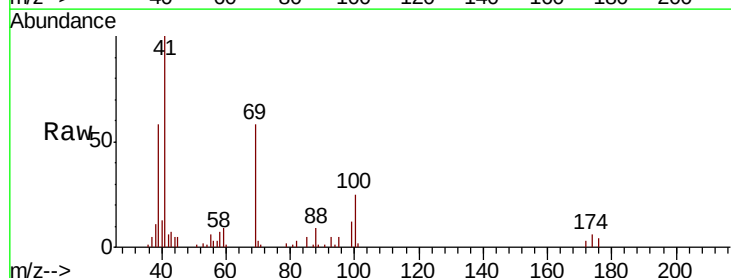
Tgt Ion: 41 Resp: 123363

Ion Ratio Lower Upper

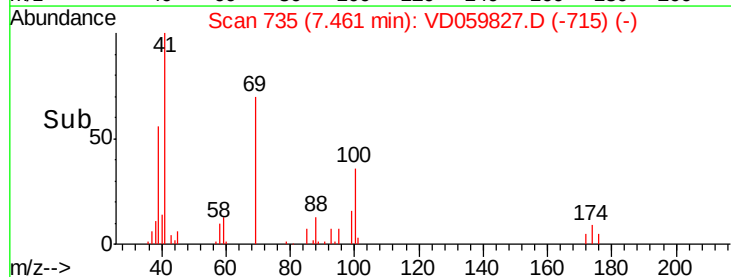
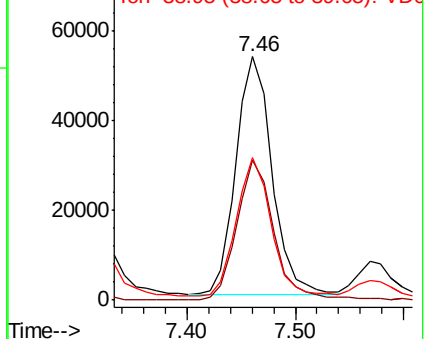
41 100

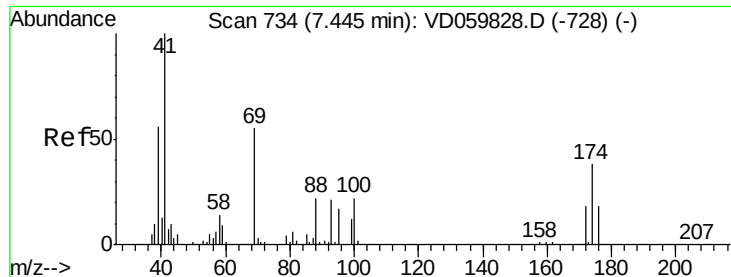
69 57.7 47.0 70.4

39 58.3 43.4 65.2



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: 381.370 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

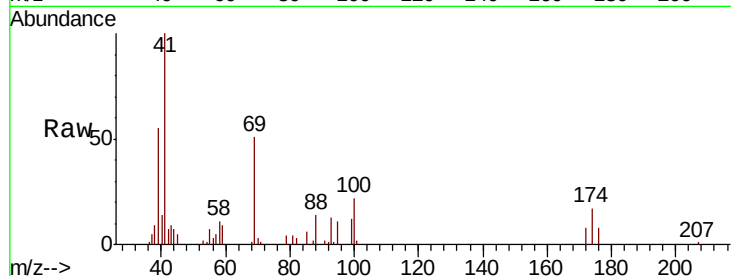
Tgt Ion: 88 Resp: 21044

Ion Ratio Lower Upper

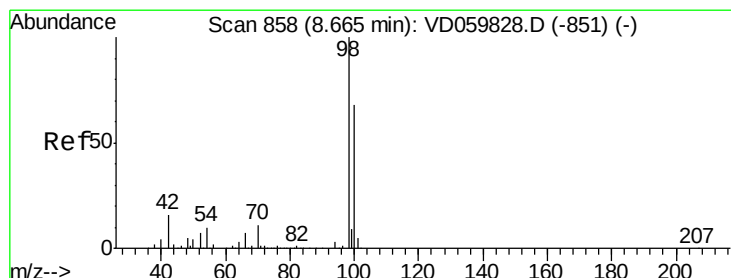
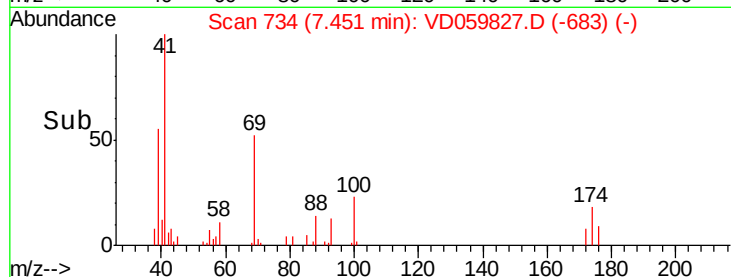
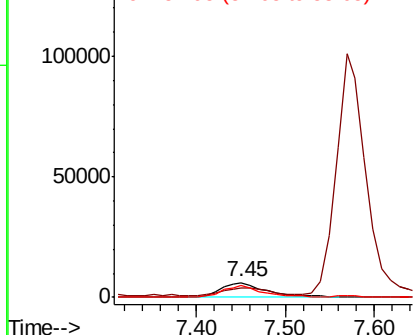
88 100

43 66.8 41.4 62.0#

58 77.9 52.4 78.6



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: 381.370 ug/l

RT: 8.66 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD059827.D

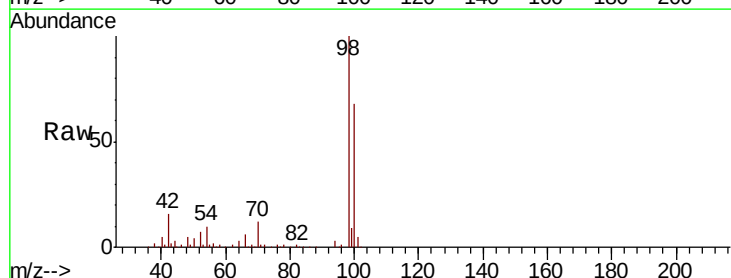
Acq: 20 Aug 2018 12:59

Tgt Ion: 98 Resp: 557579

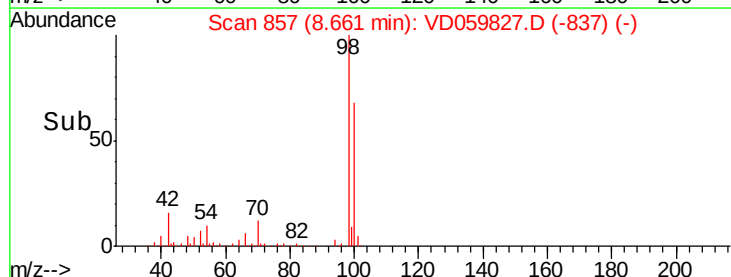
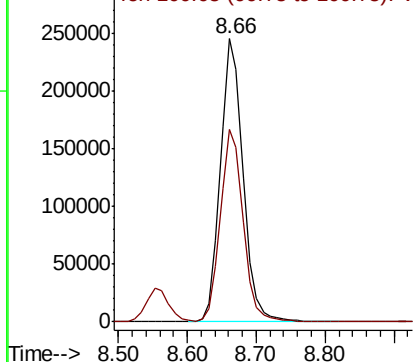
Ion Ratio Lower Upper

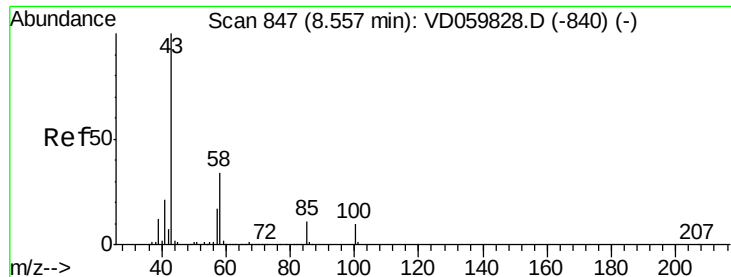
98 100

100 68.2 55.0 82.4



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

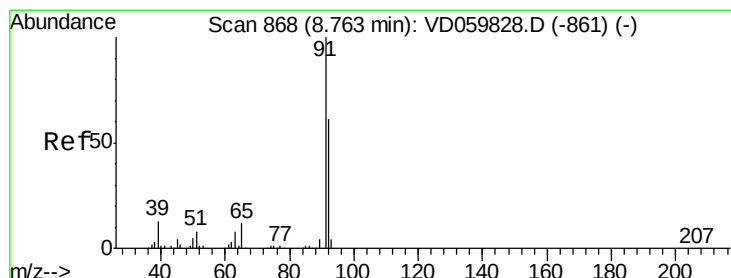
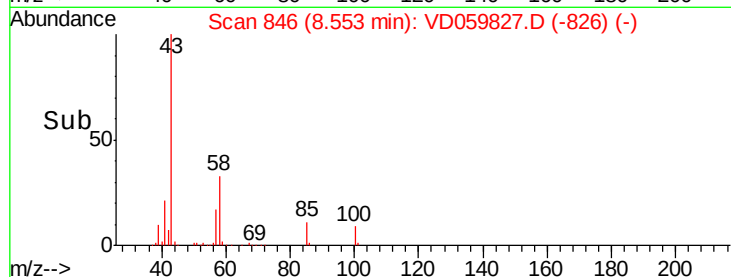
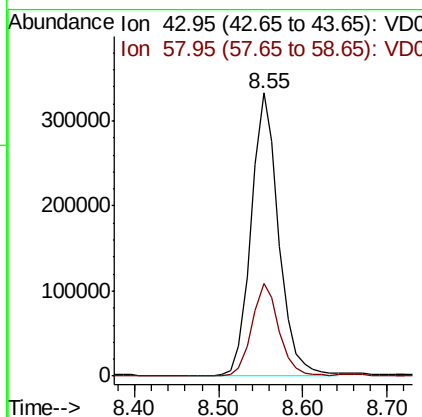
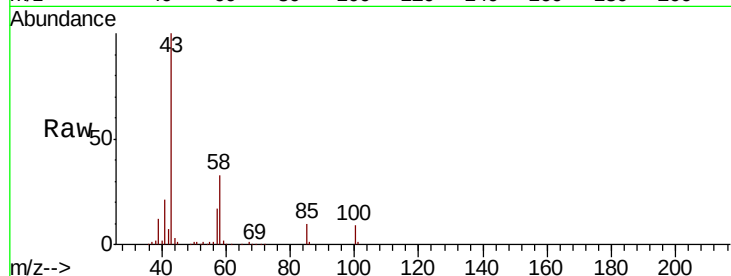




#51
 4-Methyl-2-Pentanone
 Concen: 92.954 ug/l
 RT: 8.55 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

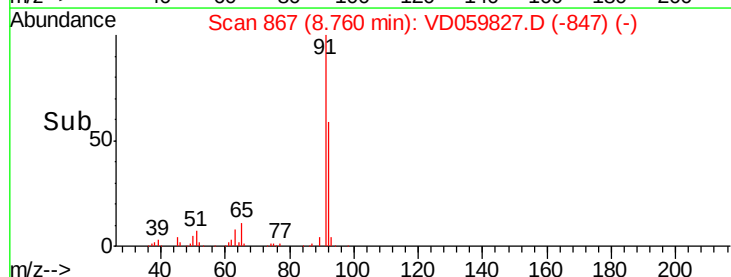
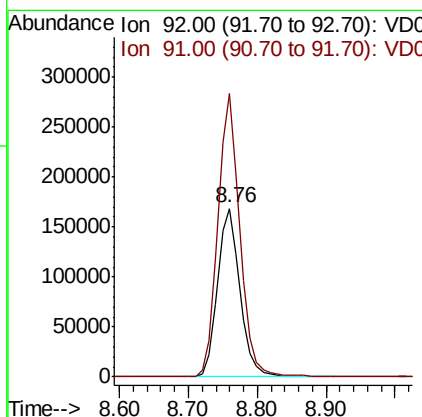
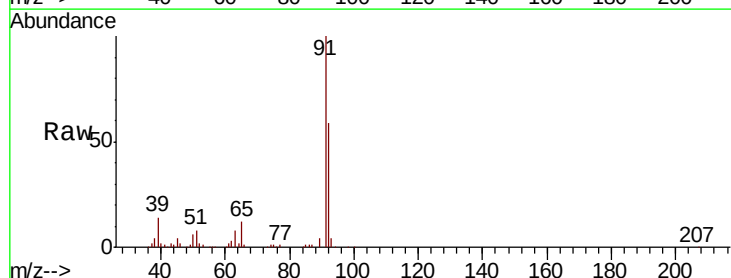
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

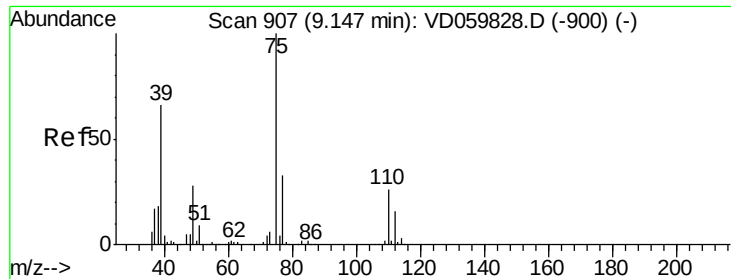
Tgt Ion: 43 Resp: 757166
 Ion Ratio Lower Upper
 43 100
 58 32.7 27.0 40.4



#52
 Toluene
 Concen: 19.488 ug/l
 RT: 8.76 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 92 Resp: 378664
 Ion Ratio Lower Upper
 92 100
 91 168.2 131.7 197.5

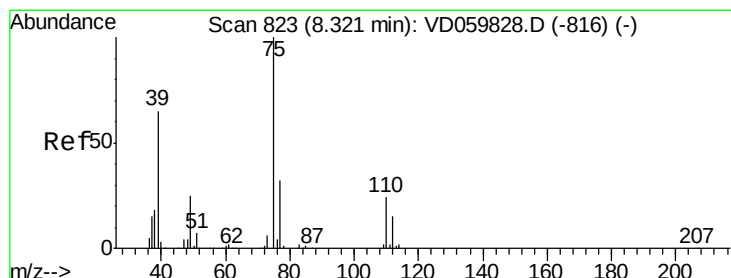
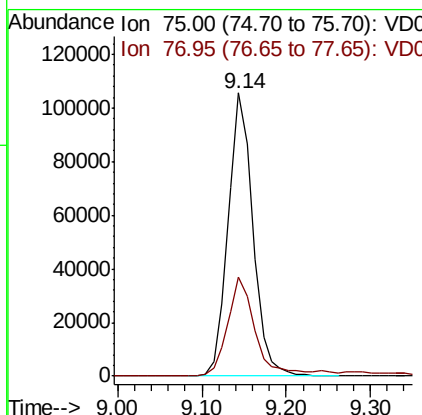
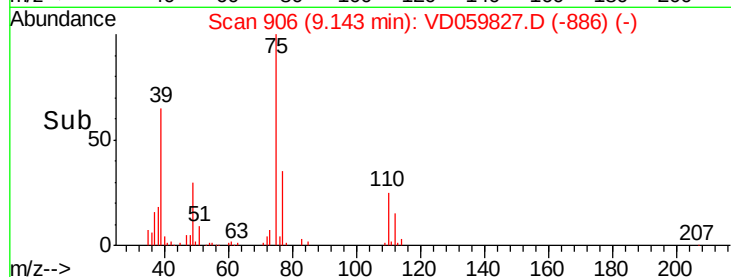
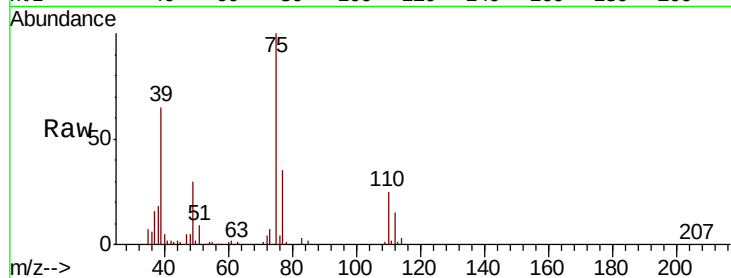




#53
 t-1,3-Dichloropropene
 Concen: 19.379 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

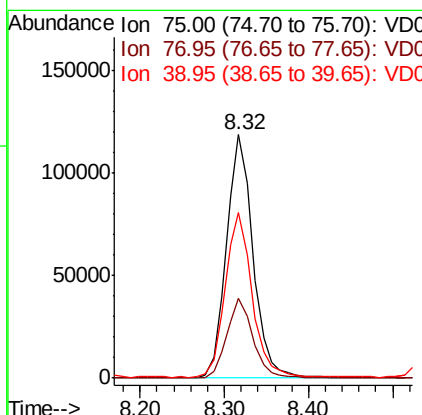
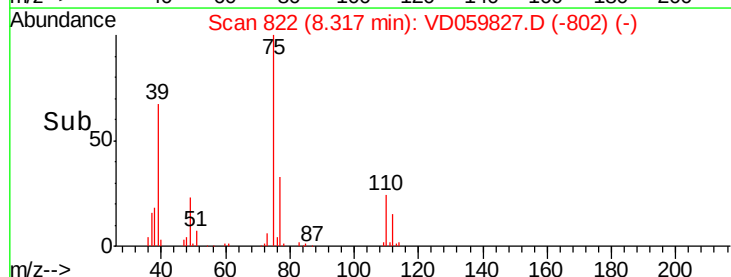
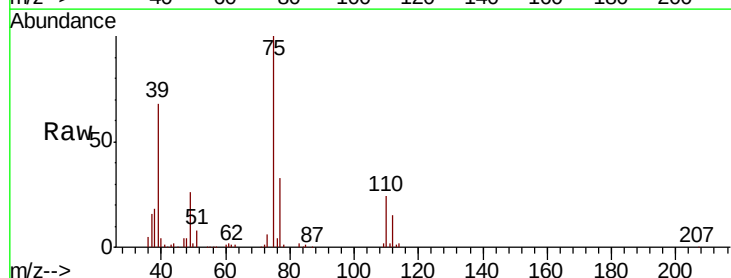
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

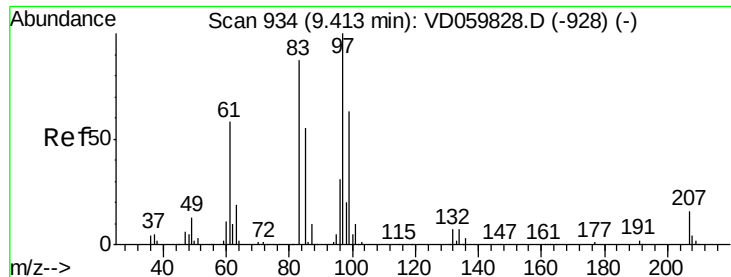
Tgt Ion: 75 Resp: 216044
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 19.354 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 75 Resp: 259014
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8
 39 68.2 52.2 78.4

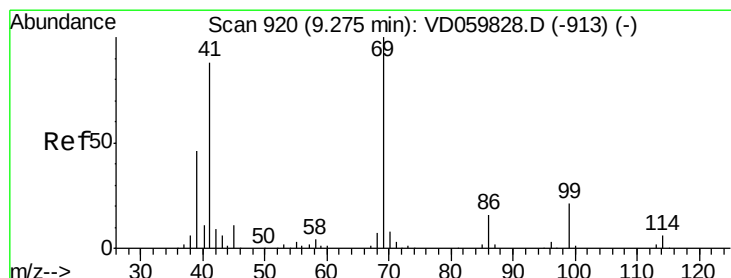
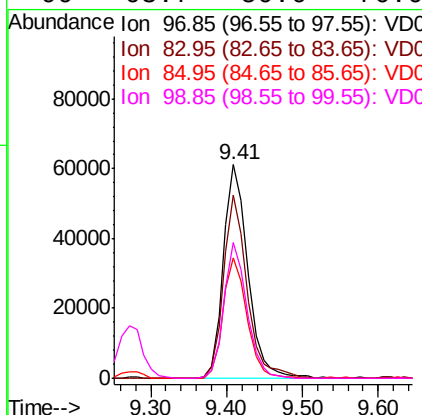
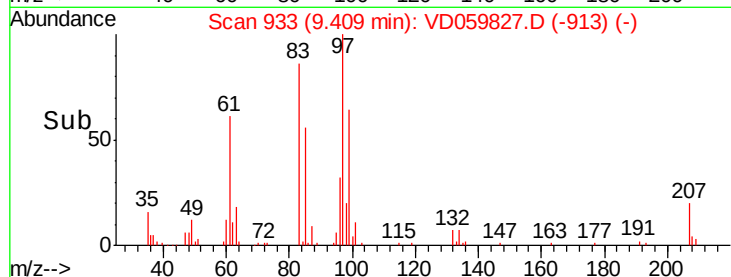
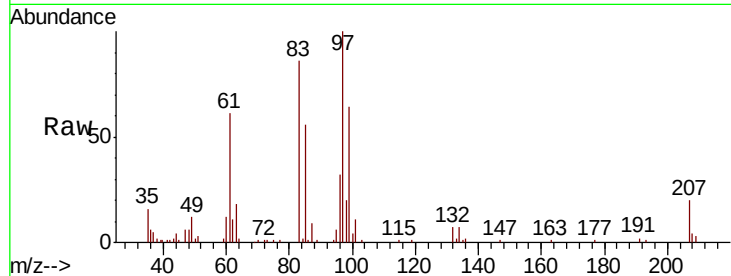




#55
 1,1,2-Trichloroethane
 Concen: 19.814 ug/l
 RT: 9.41 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

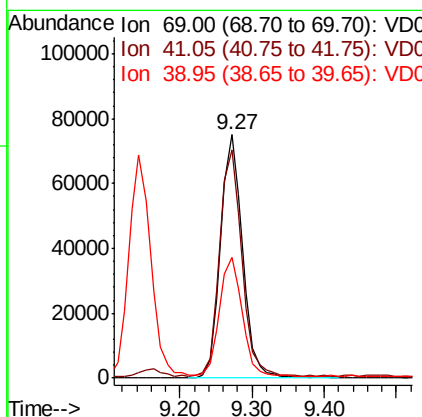
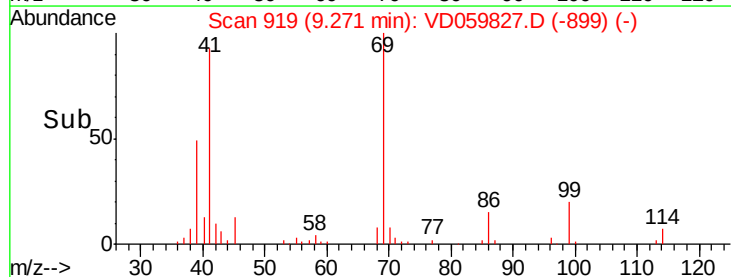
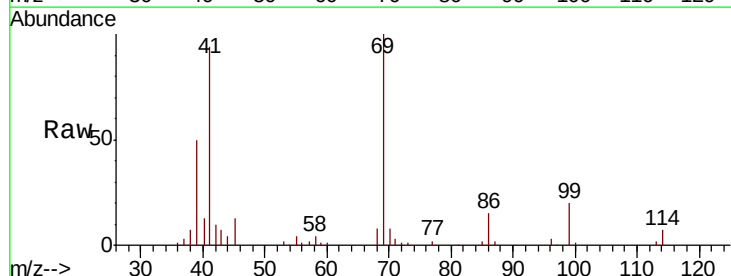
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

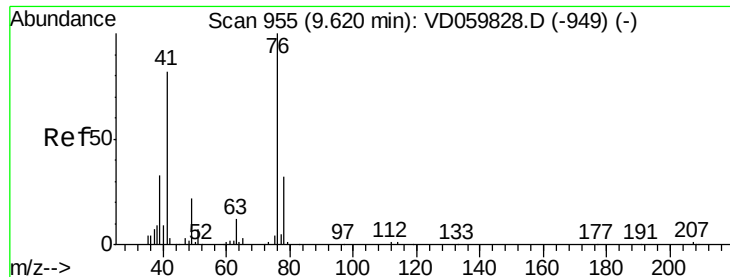
Tgt Ion:	97	Resp:	137039
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	56.5	44.3	66.5
99	63.7	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 19.866 ug/l
 RT: 9.27 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion:	69	Resp:	157906
Ion	Ratio	Lower	Upper
69	100		
41	93.5	71.0	106.4
39	49.7	38.0	57.0





#57

1,3-Dichloropropane

Concen: 19.797 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

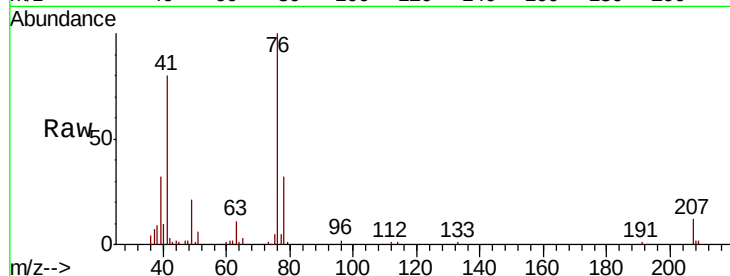
VSTDIC020

Tgt Ion: 76 Resp: 199630

Ion Ratio Lower Upper

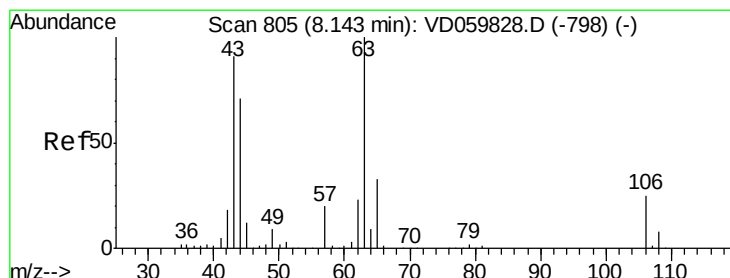
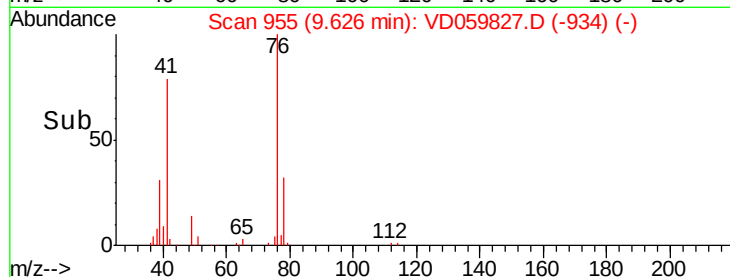
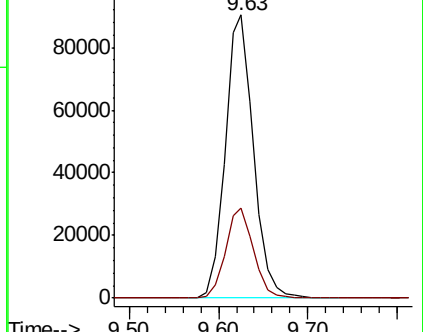
76 100

78 31.7 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.355 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059827.D

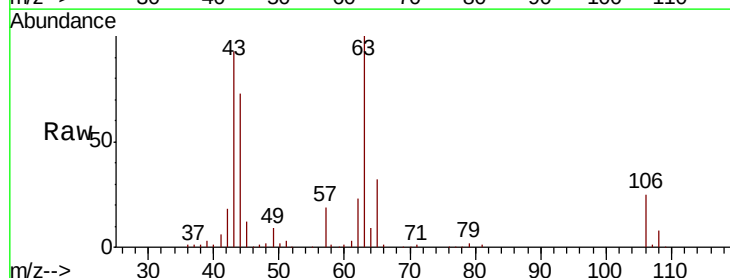
Acq: 20 Aug 2018 12:59

Tgt Ion: 63 Resp: 446415

Ion Ratio Lower Upper

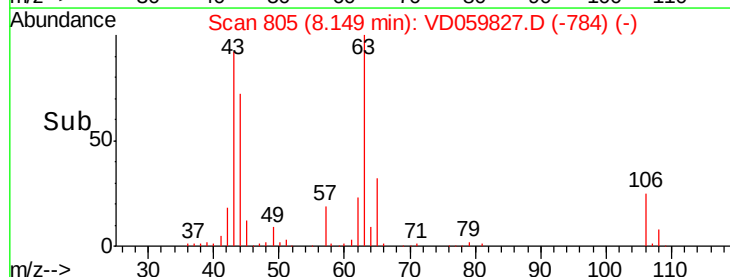
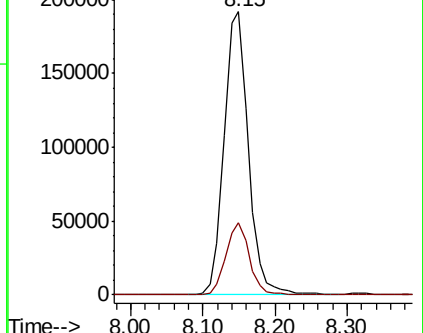
63 100

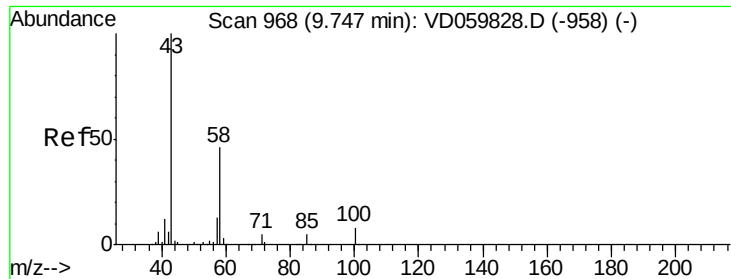
106 25.3 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

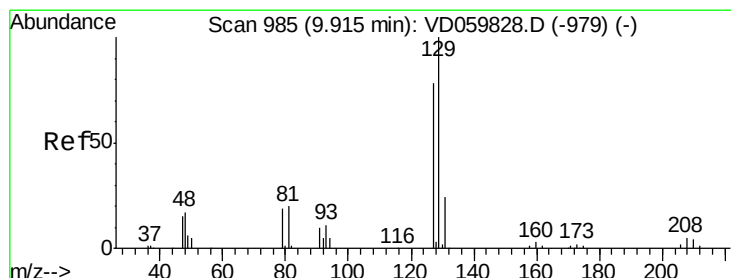
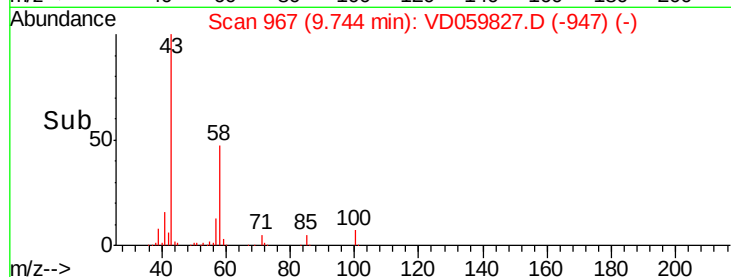
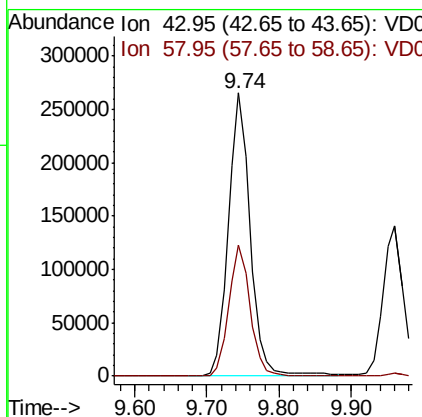
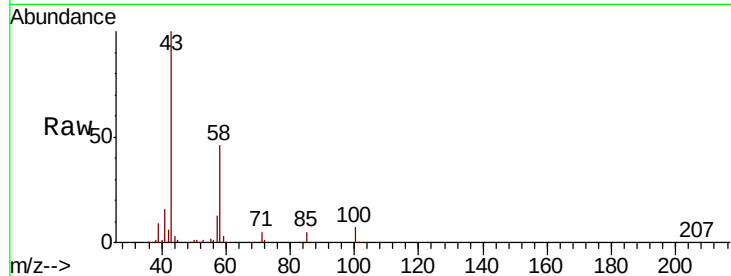




#59
2-Hexanone
Concen: 91.628 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

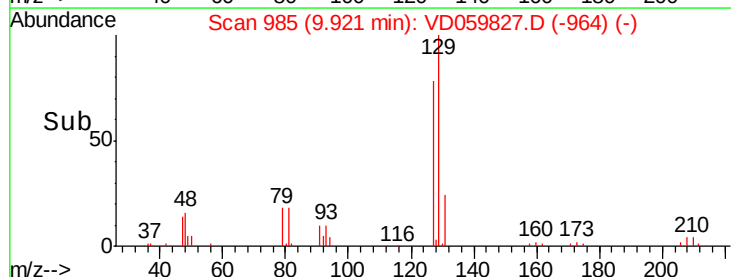
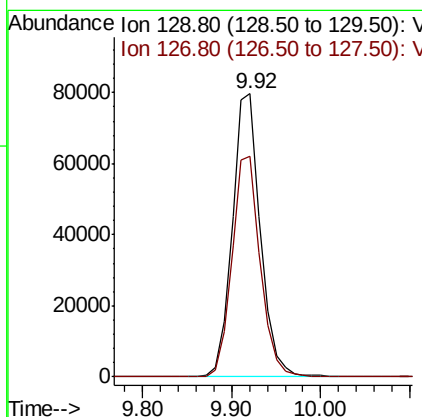
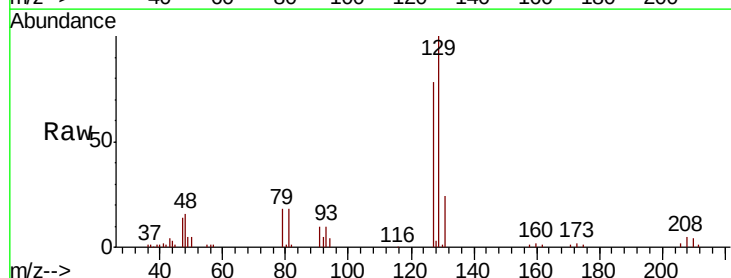
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

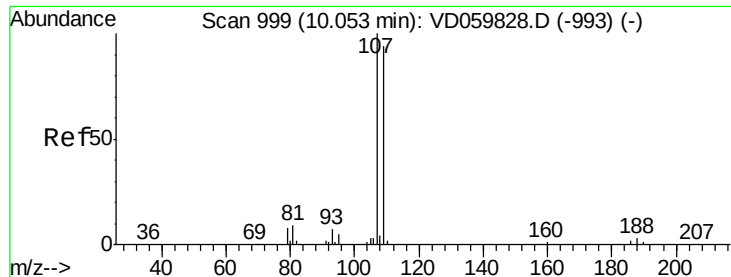
Tgt Ion: 43 Resp: 549731
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2



#60
Dibromochloromethane
Concen: 19.690 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 129 Resp: 175039
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9

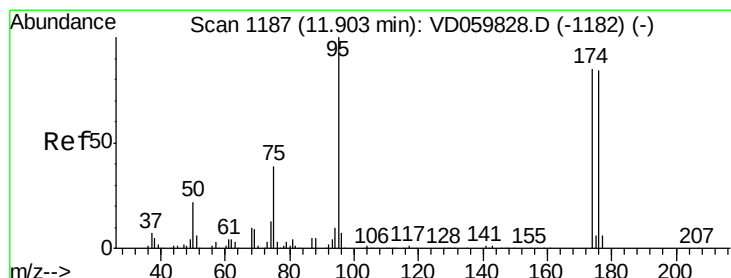
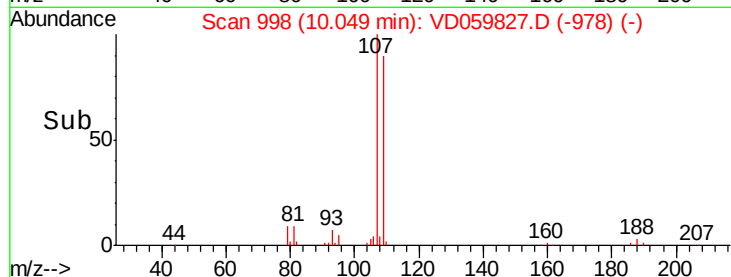
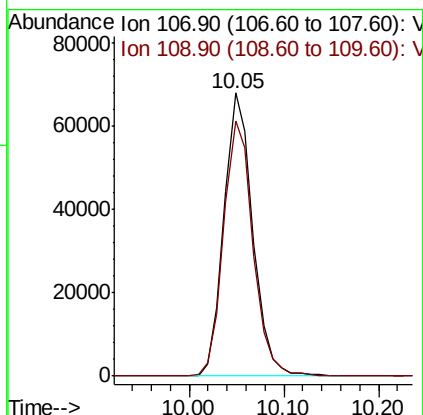
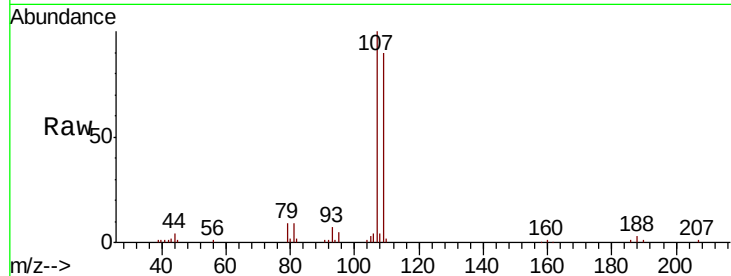




#61
 1,2-Dibromoethane
 Concen: 19.473 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

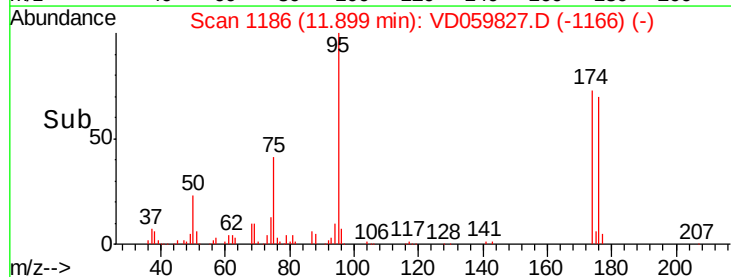
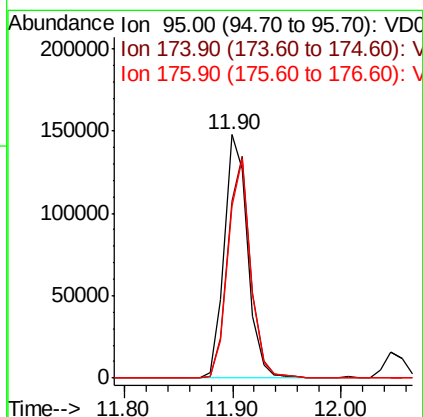
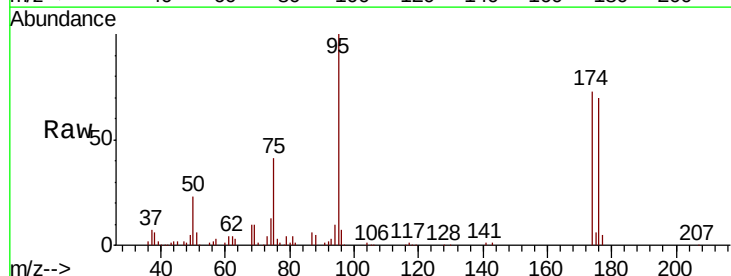
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

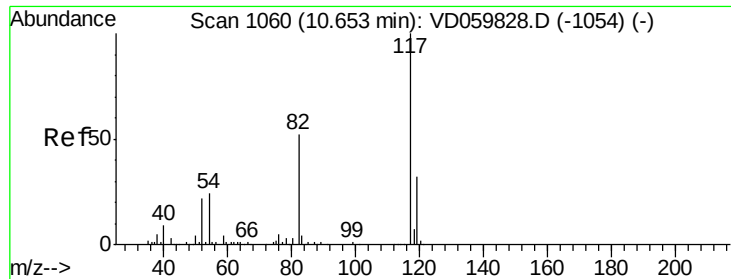
Tgt Ion: 107 Resp: 143242
 Ion Ratio Lower Upper
 107 100
 109 90.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.473 ug/l
 RT: 11.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 95 Resp: 222269
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 169.2
 176 70.5 0.0 168.0

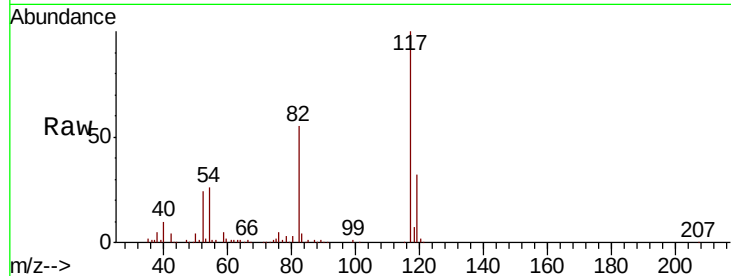




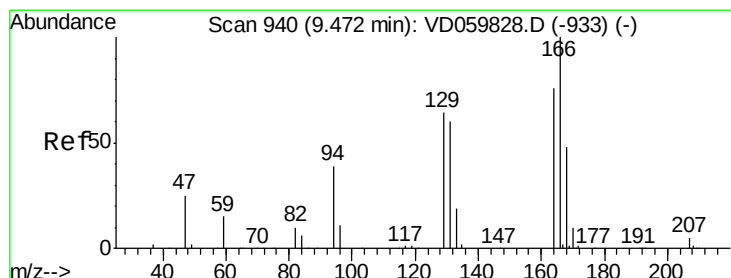
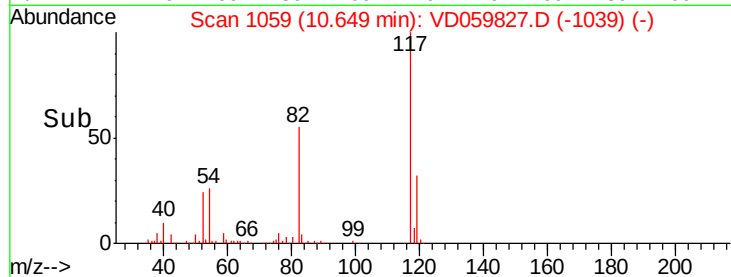
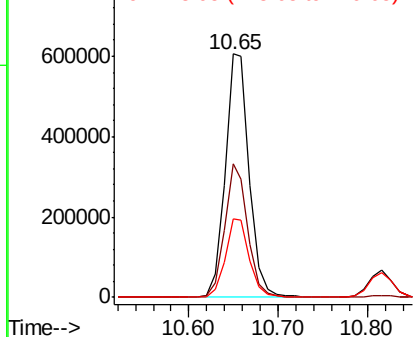
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1147488
Ion Ratio Lower Upper
117 100
82 54.7 41.6 62.4
119 32.0 25.6 38.4

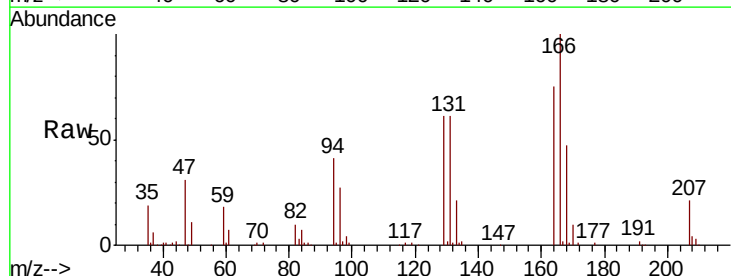


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

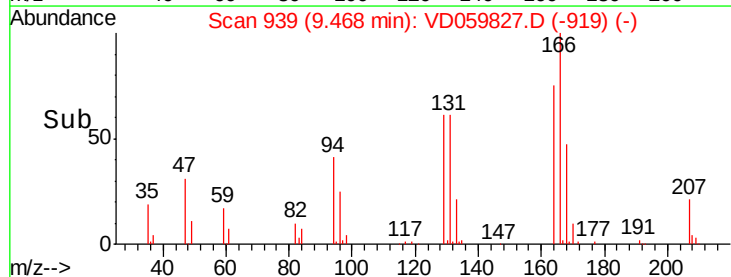
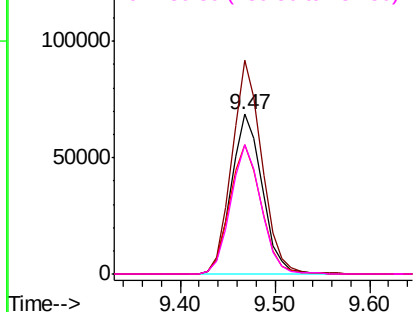


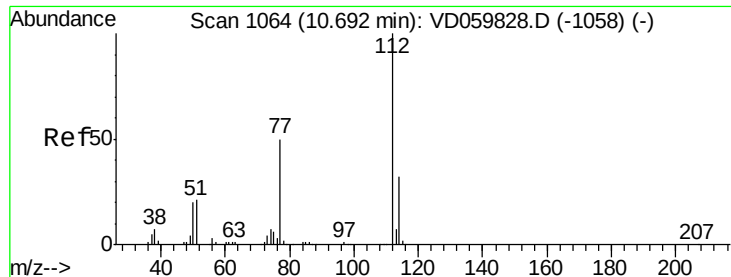
#64
Tetrachloroethene
Concen: 18.395 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion:164 Resp: 155021
Ion Ratio Lower Upper
164 100
166 133.7 104.9 157.3
129 81.1 66.7 100.1
131 81.2 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.110 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

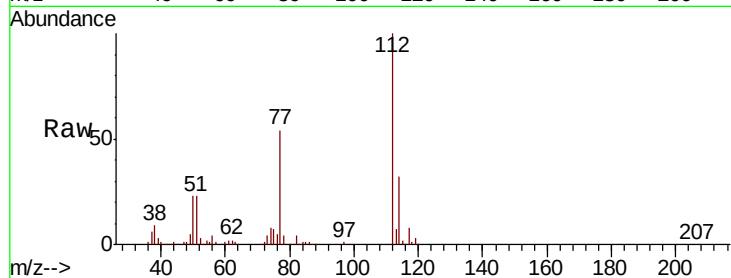
VSTDIC020

Tgt Ion:112 Resp: 426633

Ion Ratio Lower Upper

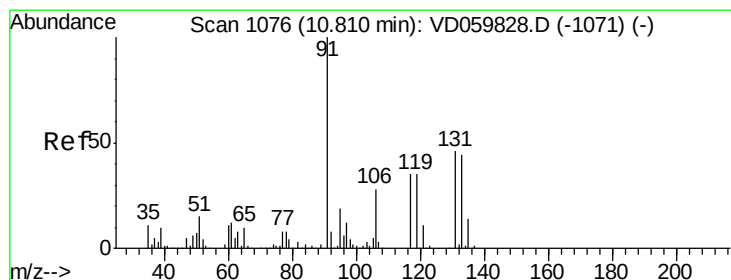
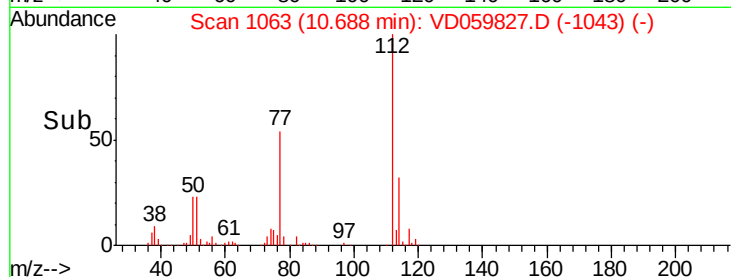
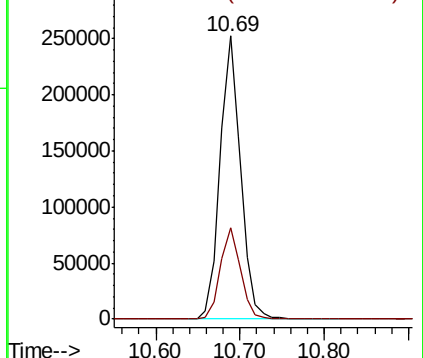
112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.112 ug/l

RT: 10.82 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

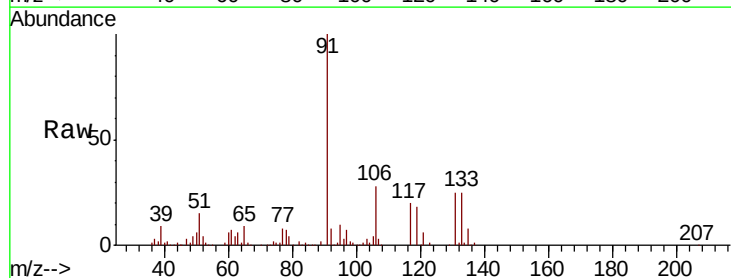
Tgt Ion:131 Resp: 155052

Ion Ratio Lower Upper

131 100

133 96.6 47.1 141.4

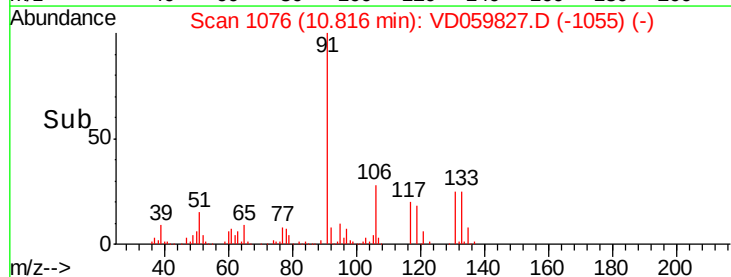
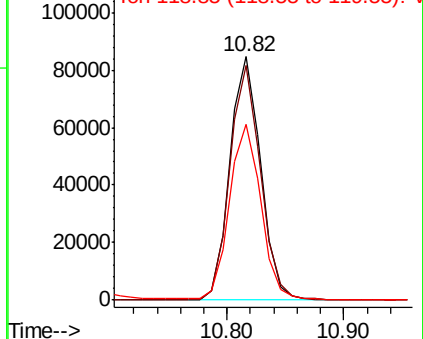
119 72.2 37.5 112.7

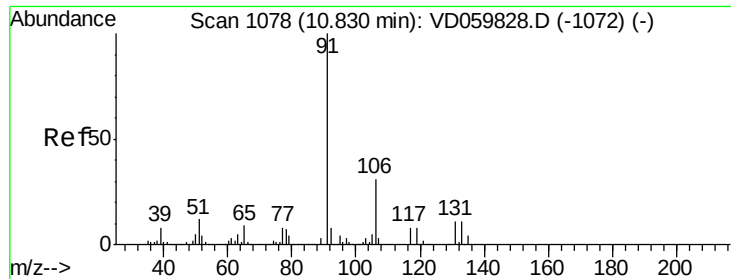


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

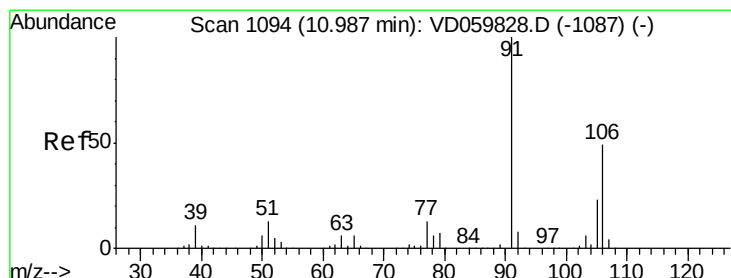
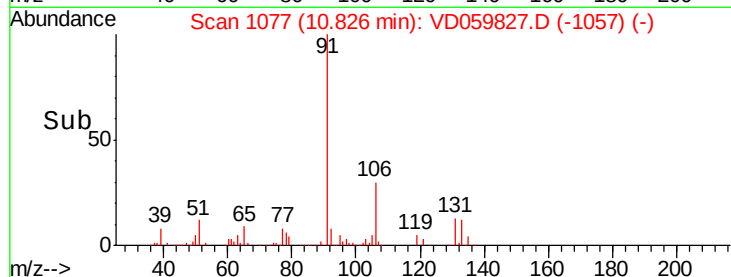
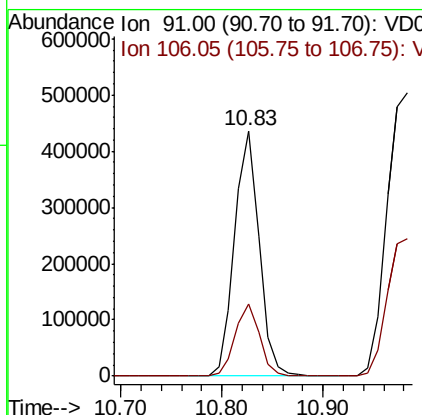
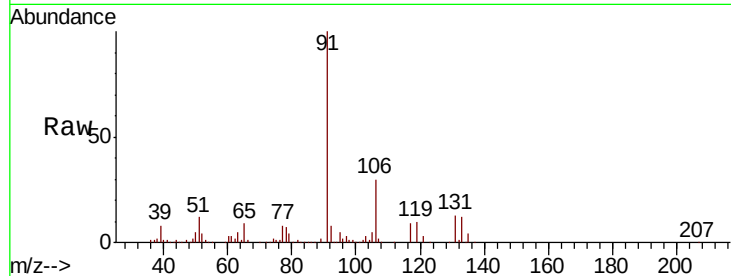




#67
Ethyl Benzene
Concen: 20.166 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

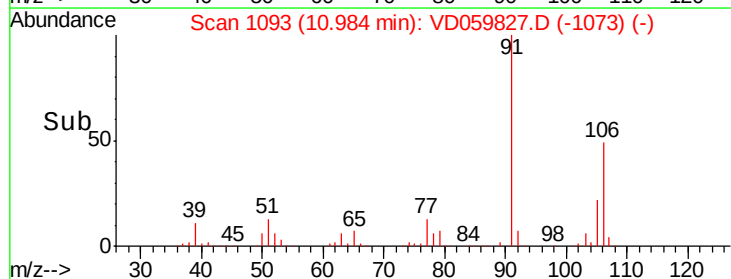
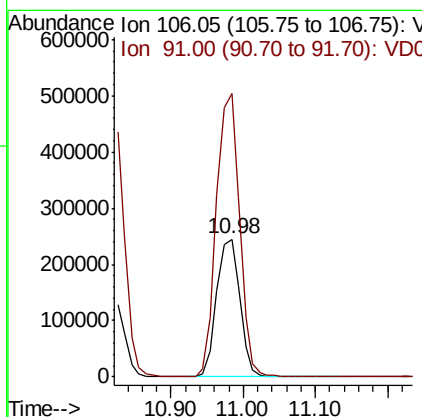
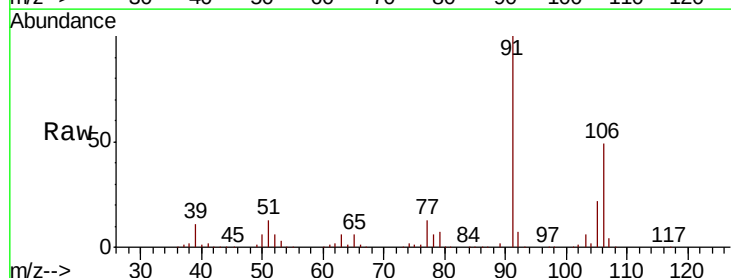
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

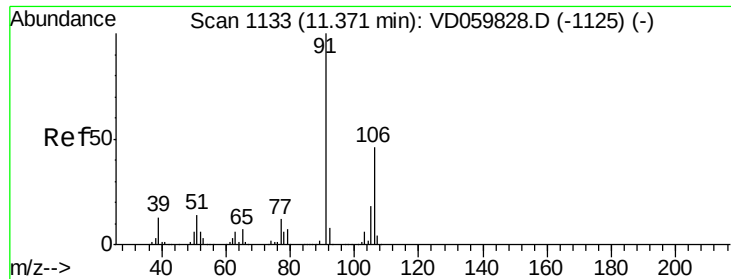
Tgt Ion: 91 Resp: 738401
Ion Ratio Lower Upper
91 100
106 29.6 25.1 37.7



#68
m/p-Xylenes
Concen: 40.642 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion: 106 Resp: 545093
Ion Ratio Lower Upper
106 100
91 205.1 161.8 242.8

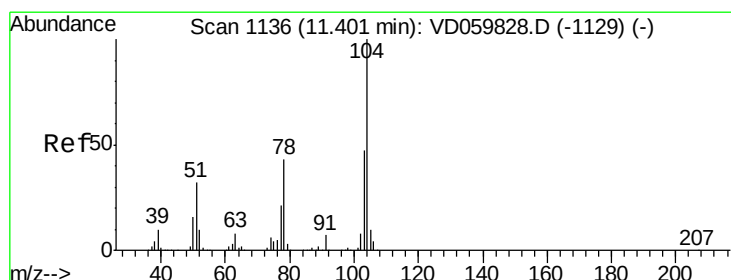
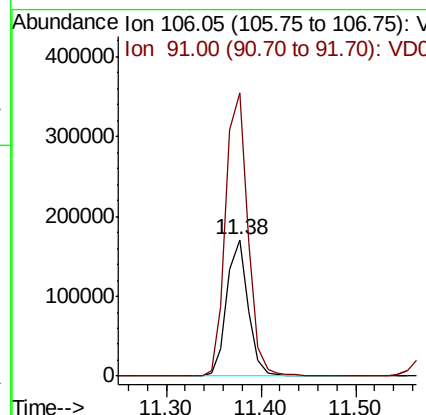
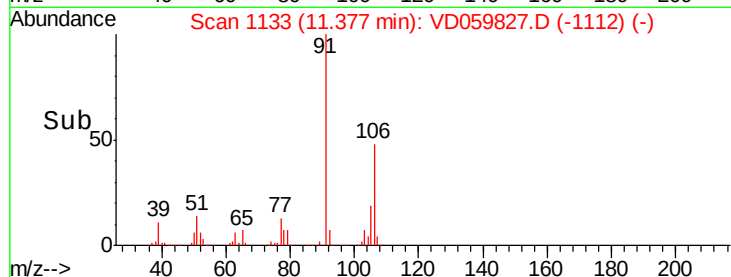
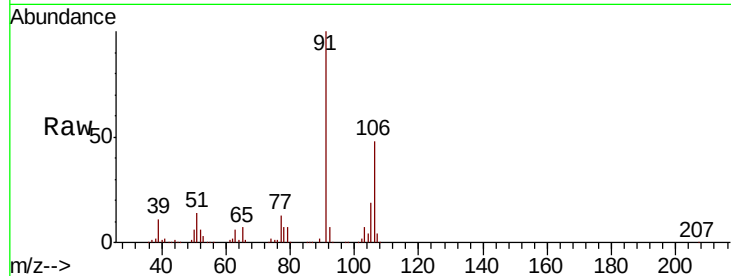




#69
o-Xylene
Concen: 20.336 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

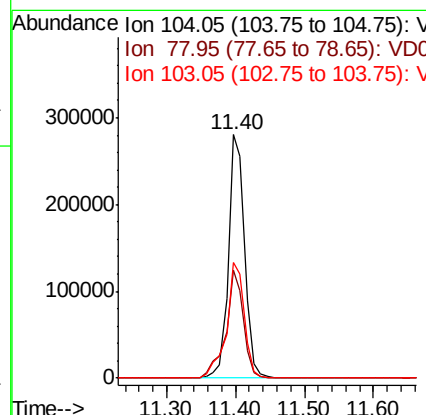
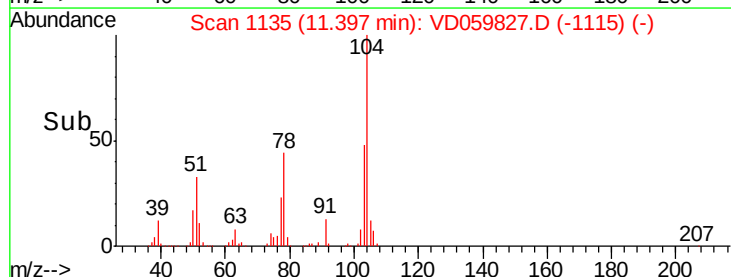
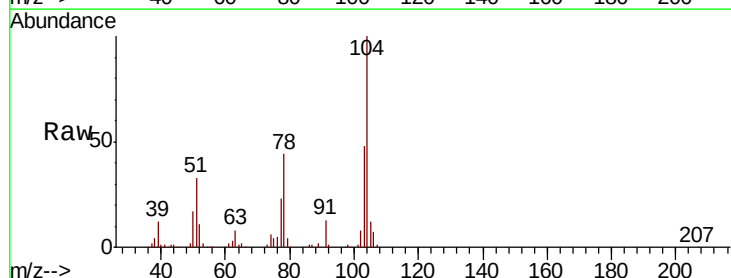
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

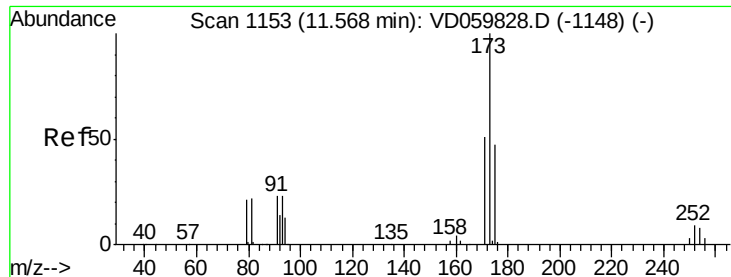
Tgt Ion:106 Resp: 266480
Ion Ratio Lower Upper
106 100
91 207.8 108.5 325.3



#70
Styrene
Concen: 20.007 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059827.D
Acq: 20 Aug 2018 12:59

Tgt Ion:104 Resp: 454378
Ion Ratio Lower Upper
104 100
78 44.2 34.6 52.0
103 47.5 37.8 56.6





#71

Bromoform

Concen: 19.563 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

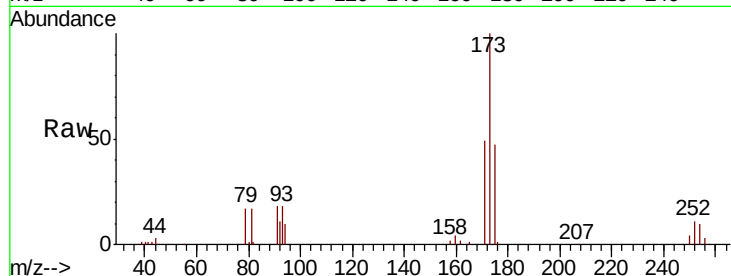
Tgt Ion:173 Resp: 131824

Ion Ratio Lower Upper

173 100

175 47.0 23.7 71.1

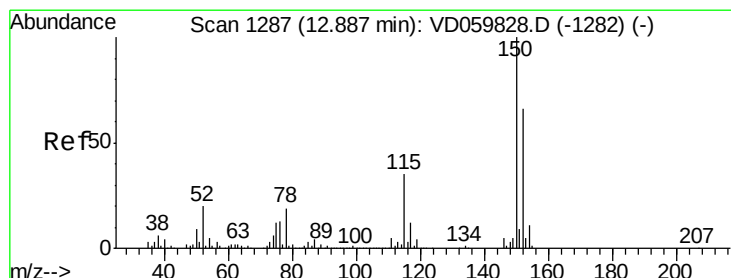
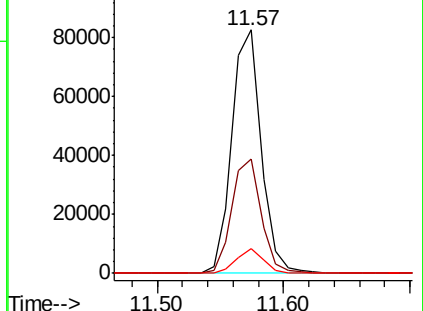
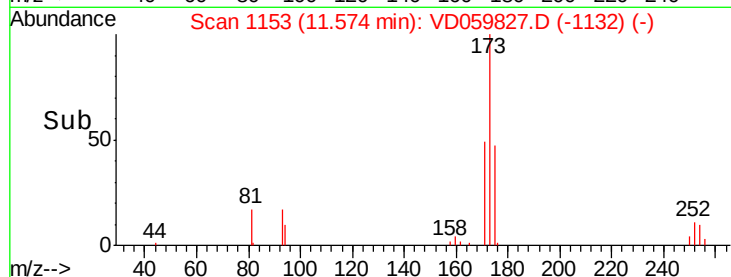
254 10.1 6.7 10.1



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: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

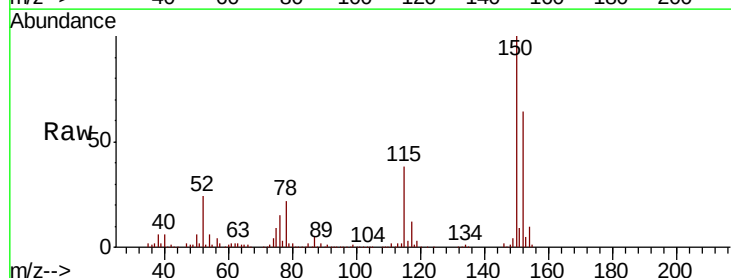
Tgt Ion:152 Resp: 530064

Ion Ratio Lower Upper

152 100

115 58.9 26.9 80.6

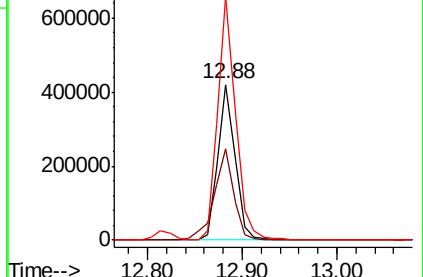
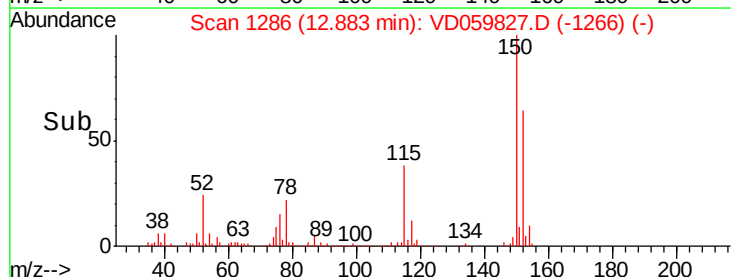
150 156.2 0.0 306.8

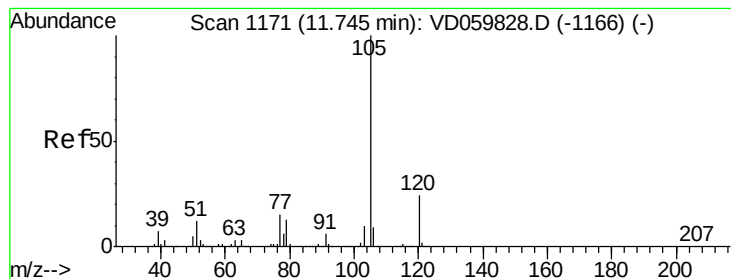


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.187 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

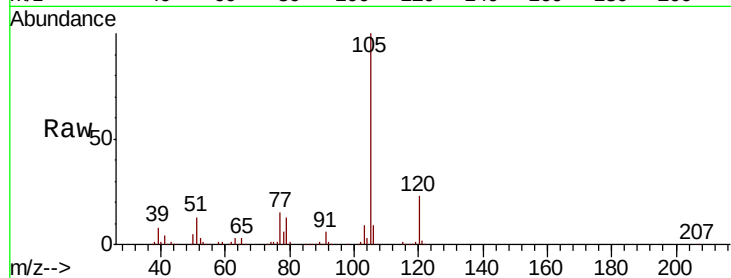
VSTDIC020

Tgt Ion:105 Resp: 729884

Ion Ratio Lower Upper

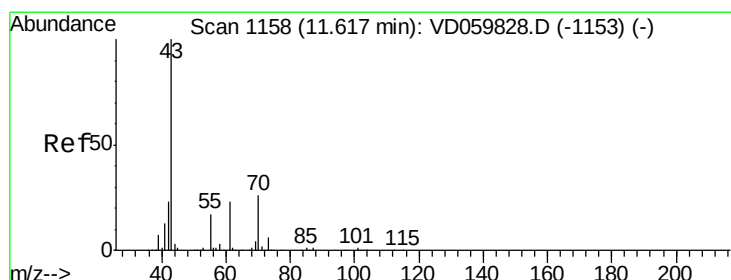
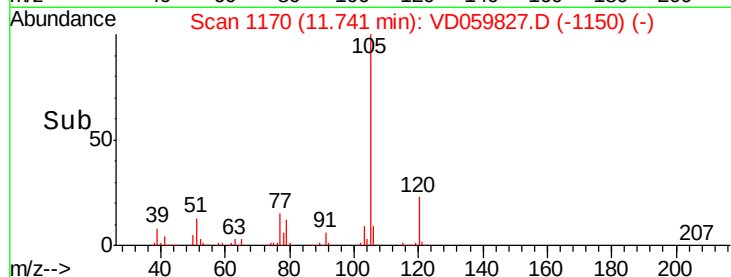
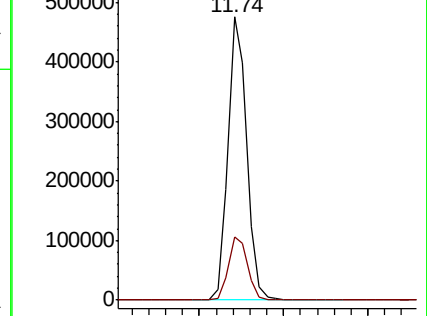
105 100

120 22.5 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.487 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Tgt Ion: 43 Resp: 311523

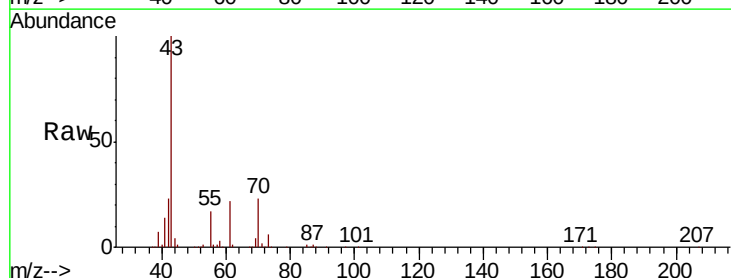
Ion Ratio Lower Upper

43 100

70 23.2 20.5 30.7

55 16.7 13.7 20.5

61 21.8 18.0 27.0

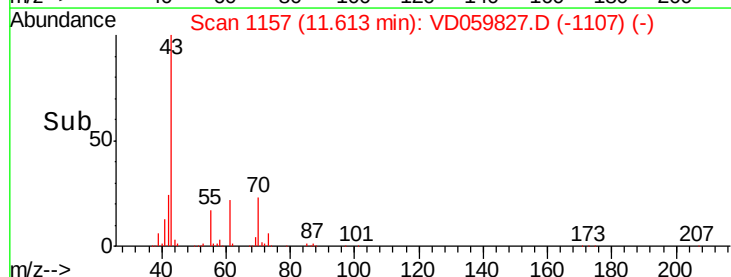
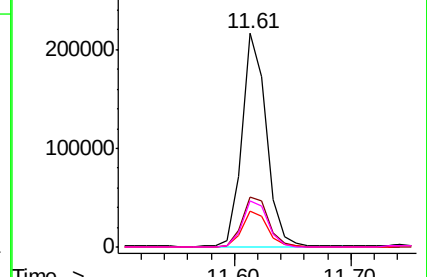


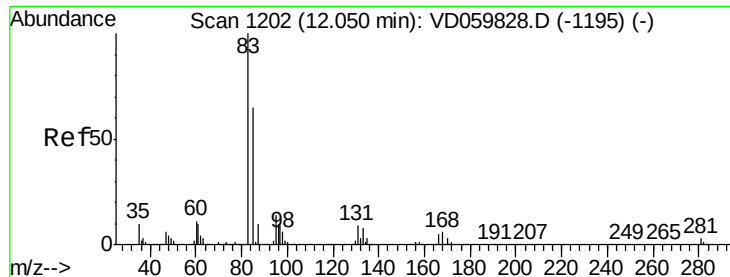
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.943 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

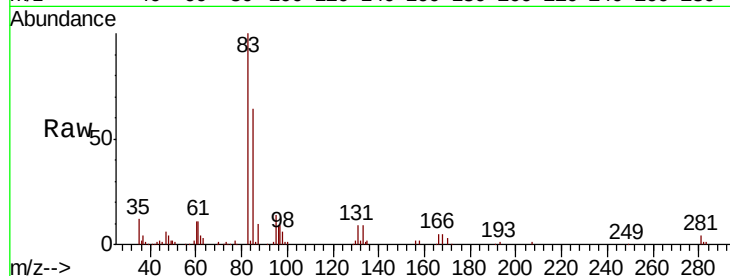
Tgt Ion: 83 Resp: 157466

Ion Ratio Lower Upper

83 100

131 9.2 4.3 13.1

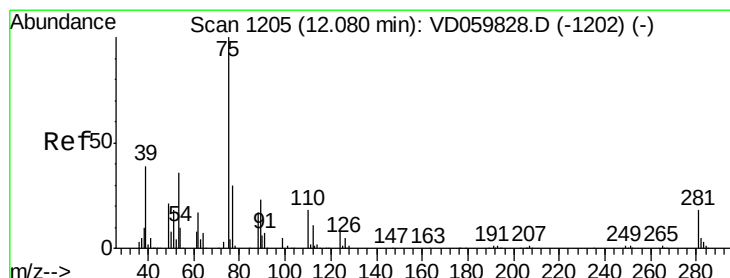
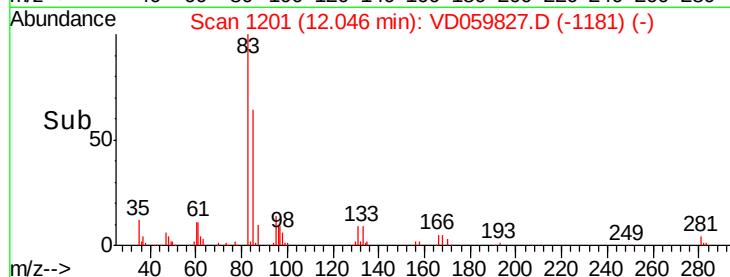
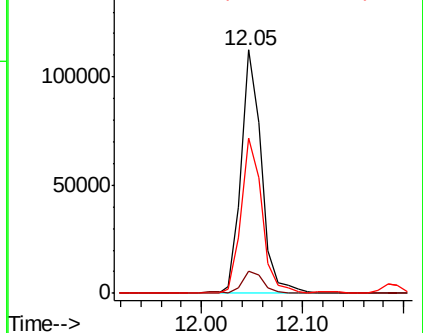
85 63.6 32.5 97.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.656 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059827.D

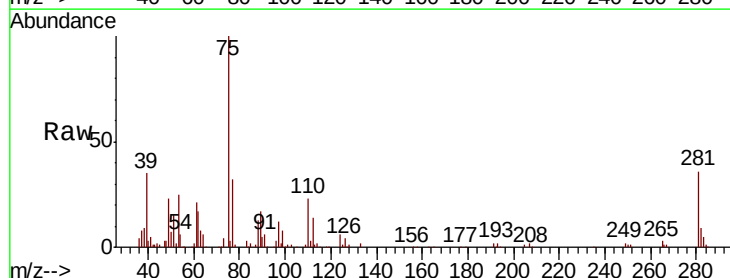
Acq: 20 Aug 2018 12:59

Tgt Ion: 75 Resp: 170258

Ion Ratio Lower Upper

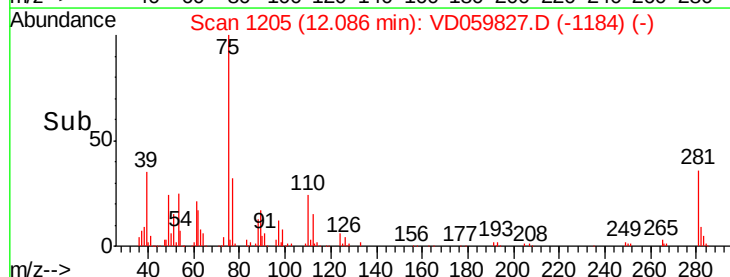
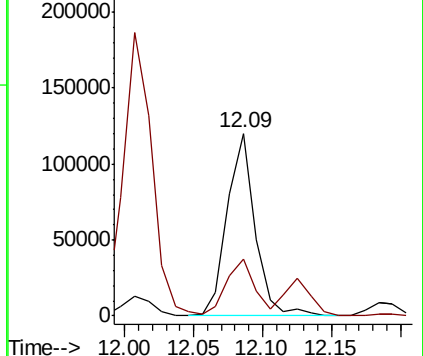
75 100

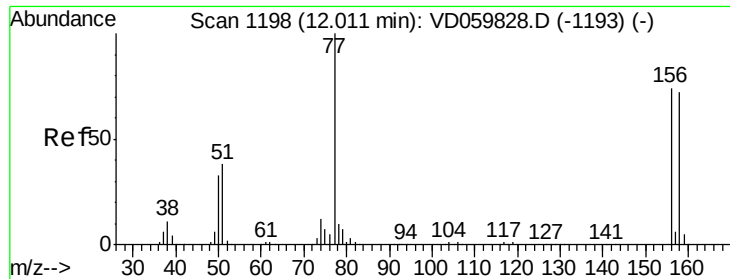
77 31.5 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.144 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

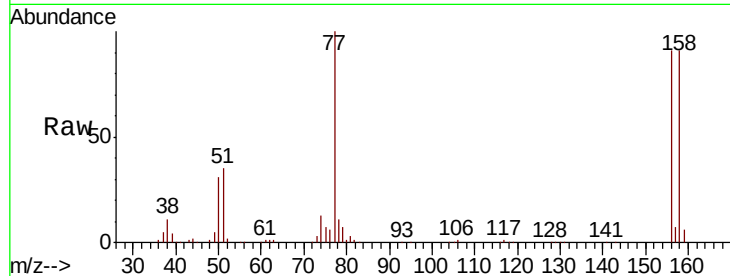
Tgt Ion:156 Resp: 192166

Ion Ratio Lower Upper

156 100

77 109.8 68.0 204.0

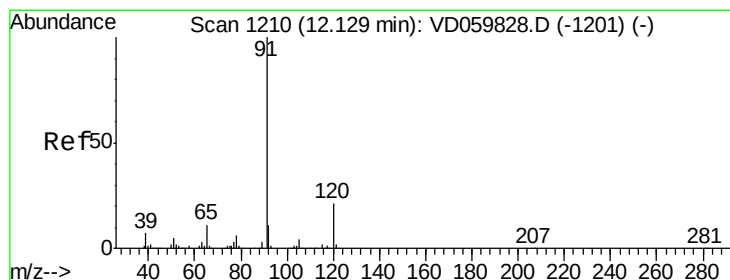
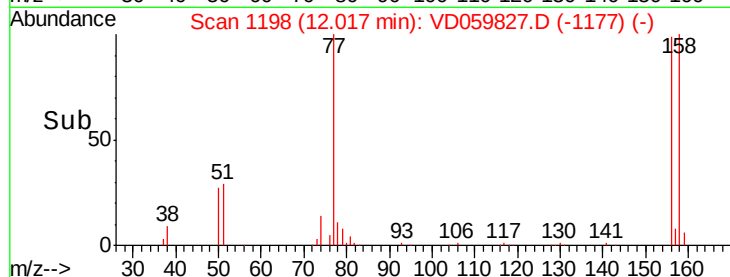
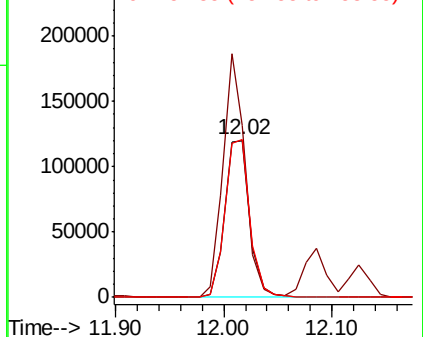
158 100.2 48.9 146.8



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: 20.015 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059827.D

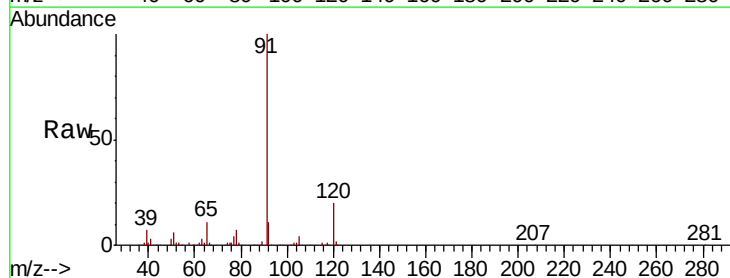
Acq: 20 Aug 2018 12:59

Tgt Ion: 91 Resp: 909217

Ion Ratio Lower Upper

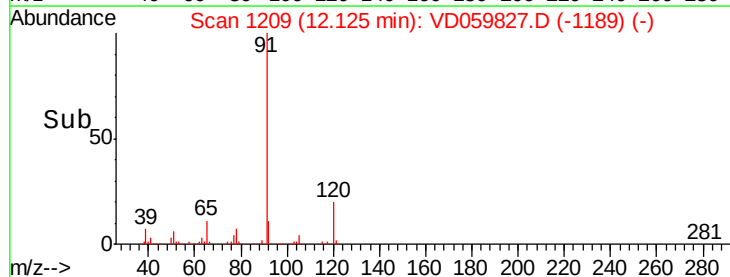
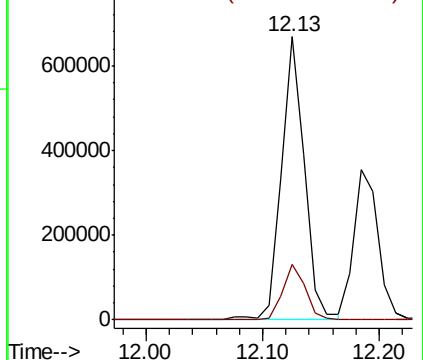
91 100

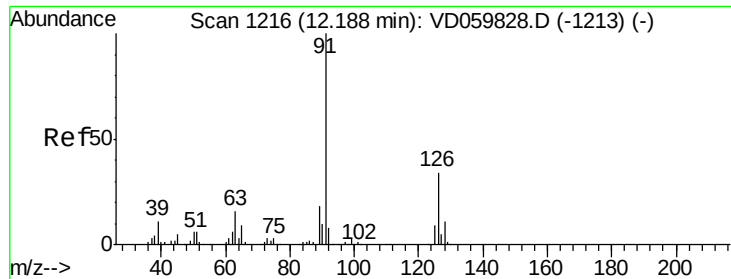
120 19.6 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

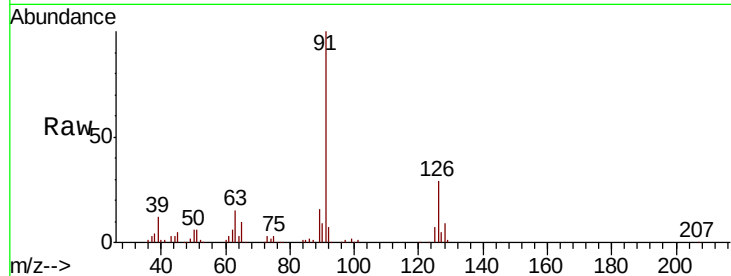




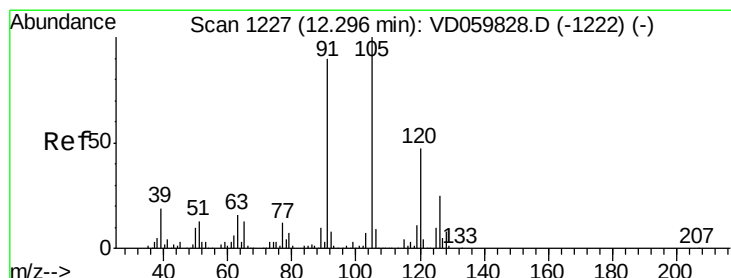
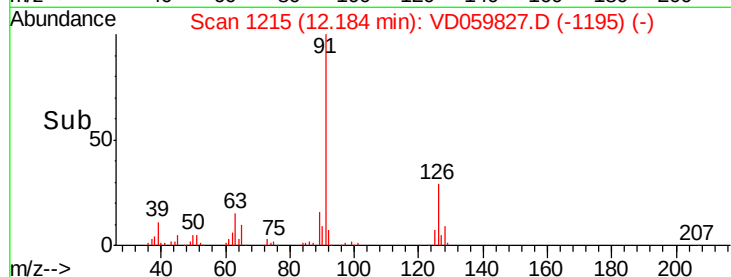
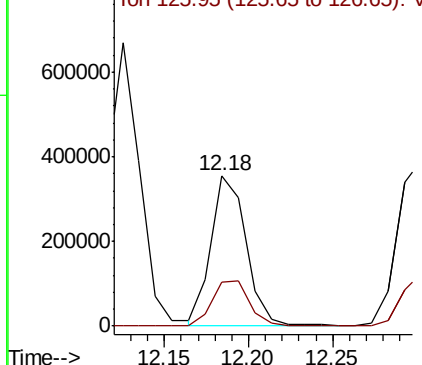
#79
 2-Chlorotoluene
 Concen: 19.879 ug/l
 RT: 12.18 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 515619
 Ion Ratio Lower Upper
 91 100
 126 29.4 16.6 49.8

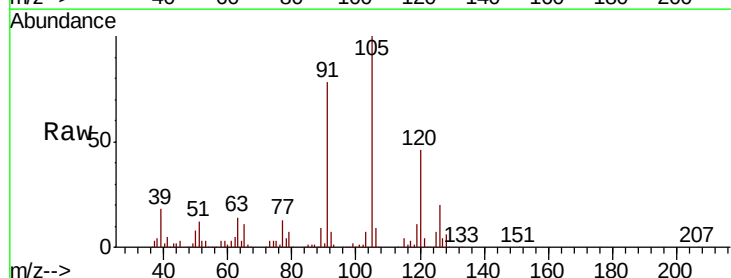


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

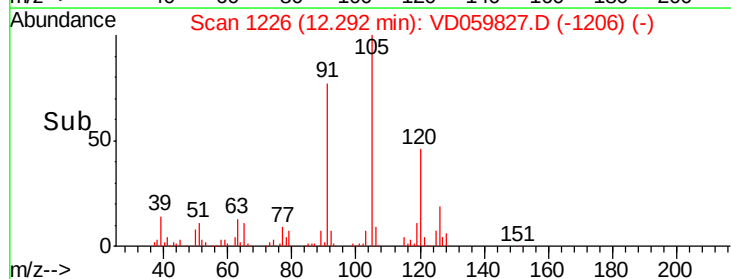
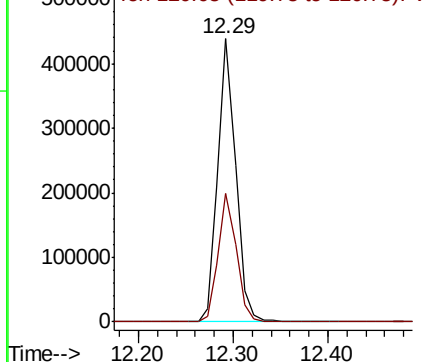


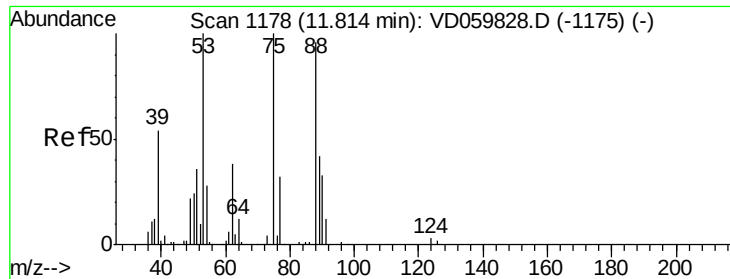
#80
 1,3,5-Trimethylbenzene
 Concen: 21.367 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion: 105 Resp: 579452
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.5 70.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.103 ug/l

RT: 11.81 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

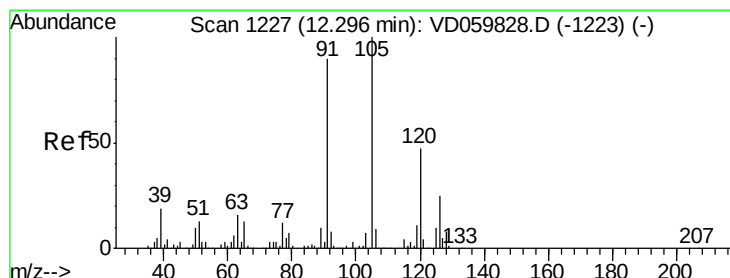
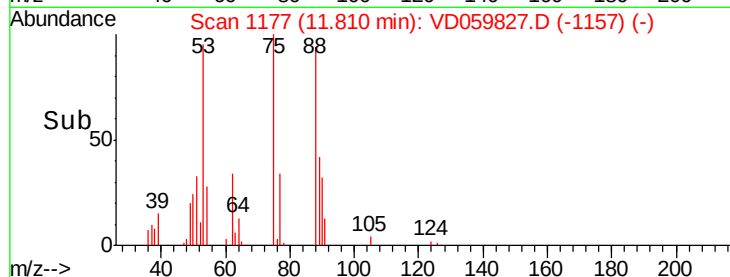
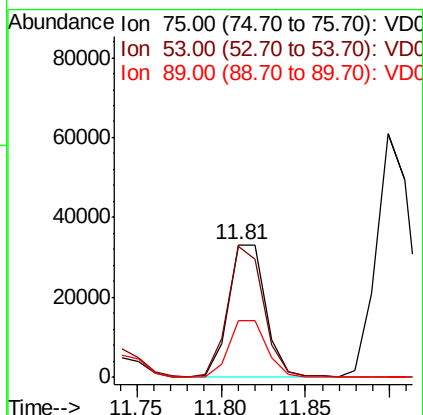
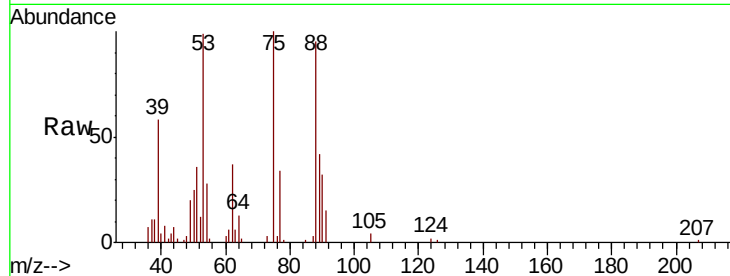
Tgt Ion: 75 Resp: 51183

Ion Ratio Lower Upper

75 100

53 99.1 80.7 121.1

89 42.4 33.9 50.9



#82

4-Chlorotoluene

Concen: 21.269 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059827.D

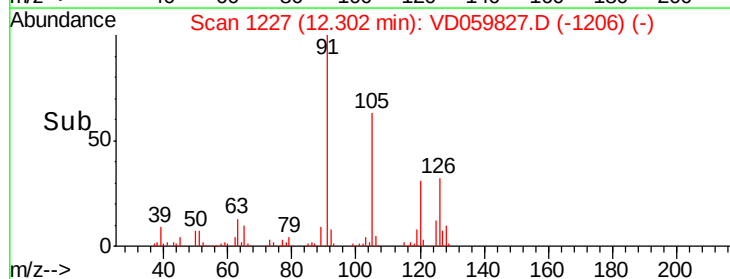
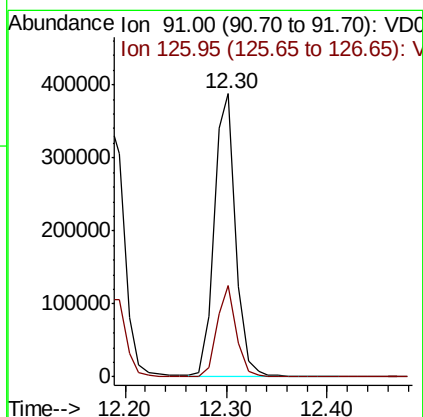
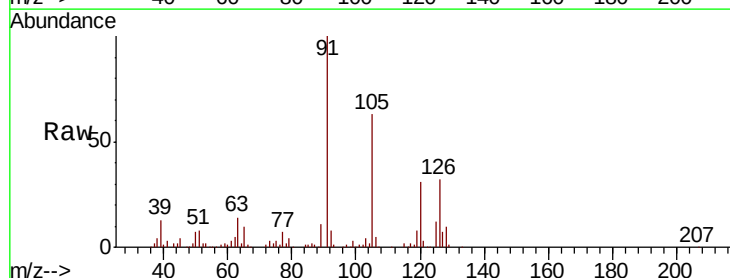
Acq: 20 Aug 2018 12:59

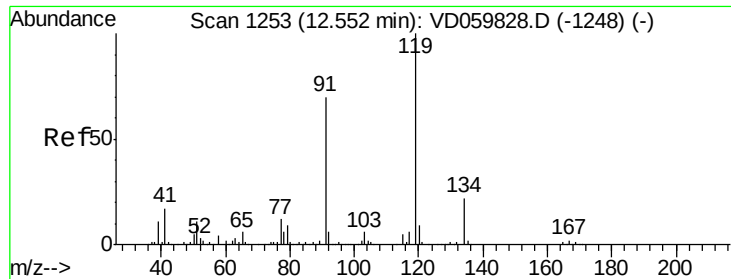
Tgt Ion: 91 Resp: 573552

Ion Ratio Lower Upper

91 100

126 32.1 13.7 41.0

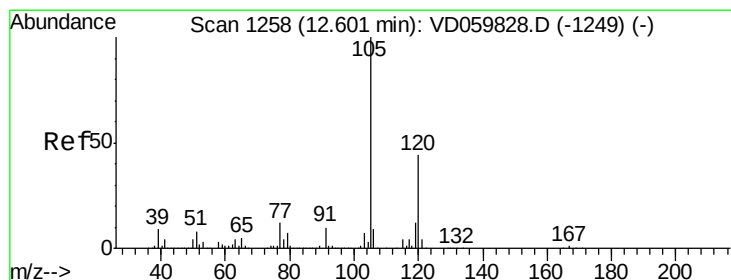
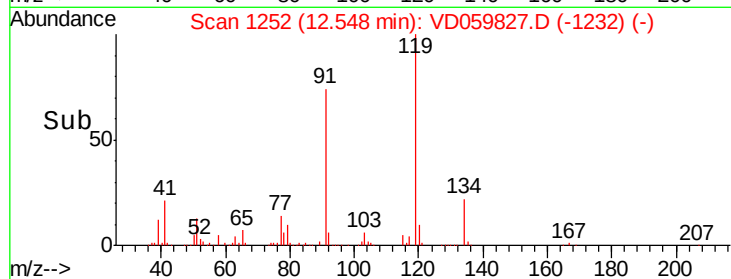
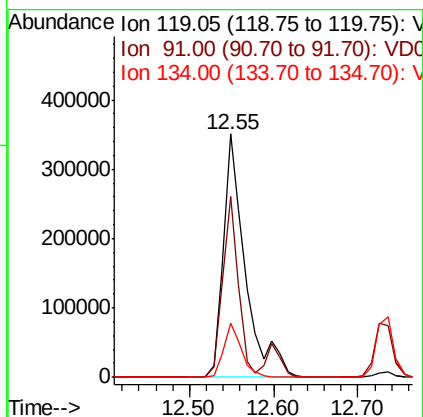
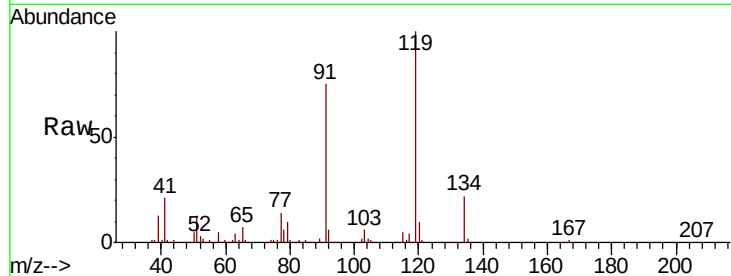




#83
 tert-Butylbenzene
 Concen: 19.924 ug/l
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

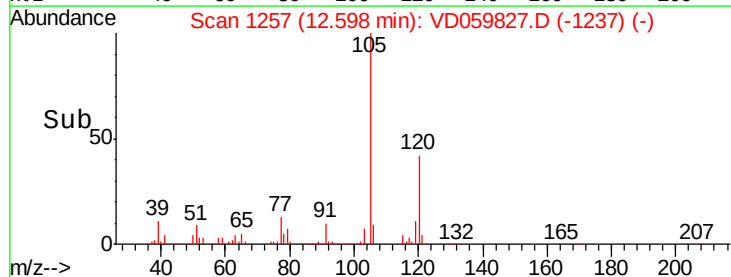
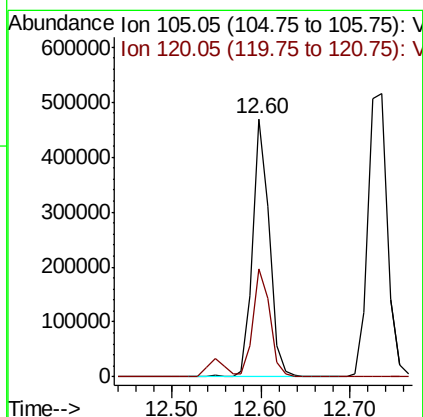
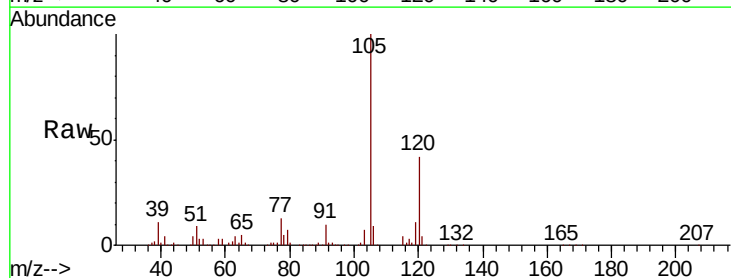
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

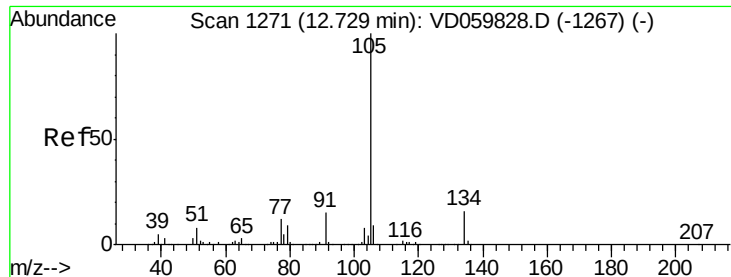
Tgt Ion:119 Resp: 634965
 Ion Ratio Lower Upper
 119 100
 91 74.5 35.1 105.3
 134 22.0 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.125 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059827.D
 Acq: 20 Aug 2018 12:59

Tgt Ion:105 Resp: 604075
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.327 ug/l

RT: 12.74 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

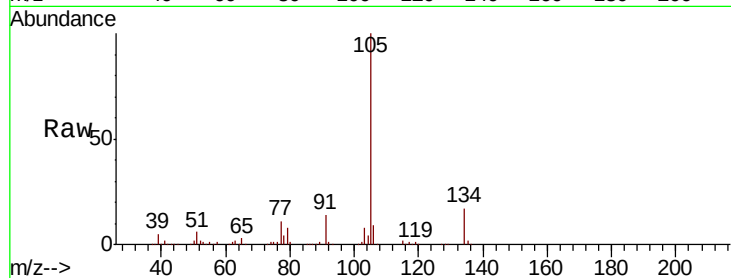
VSTDIC020

Tgt Ion:105 Resp: 777246

Ion Ratio Lower Upper

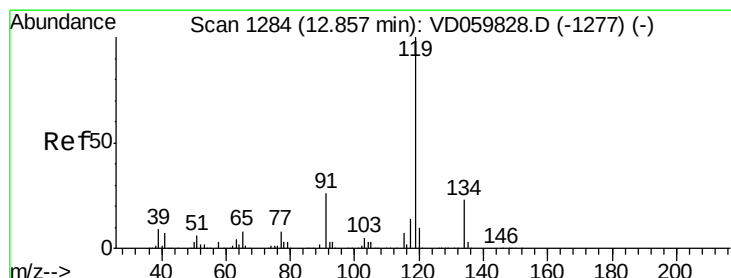
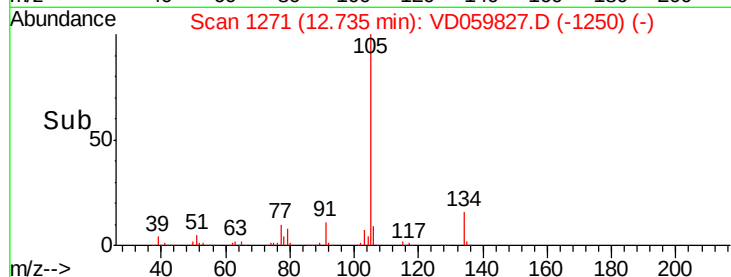
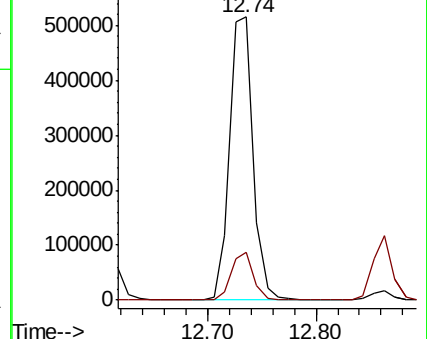
105 100

134 17.0 7.8 23.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.434 ug/l

RT: 12.86 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

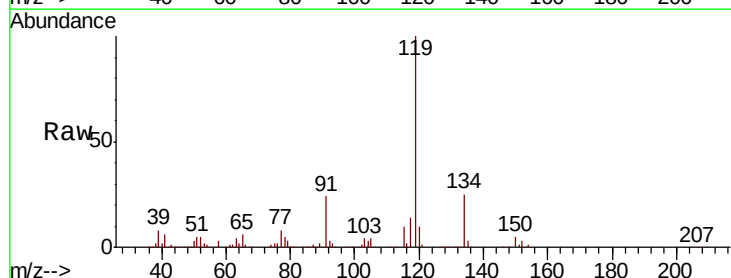
Tgt Ion:119 Resp: 613309

Ion Ratio Lower Upper

119 100

134 24.7 11.5 34.5

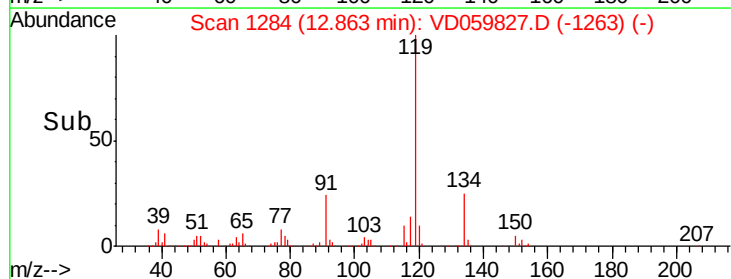
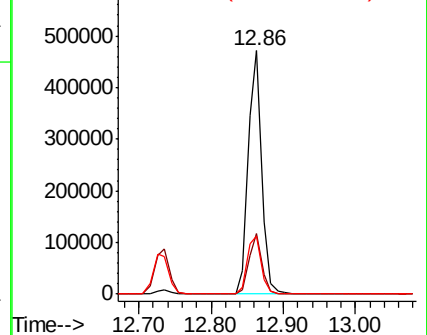
91 23.9 13.2 39.6

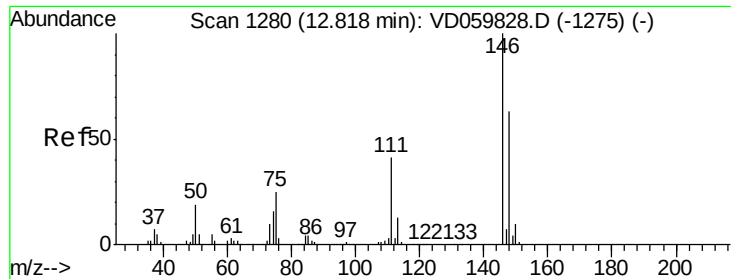


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.444 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

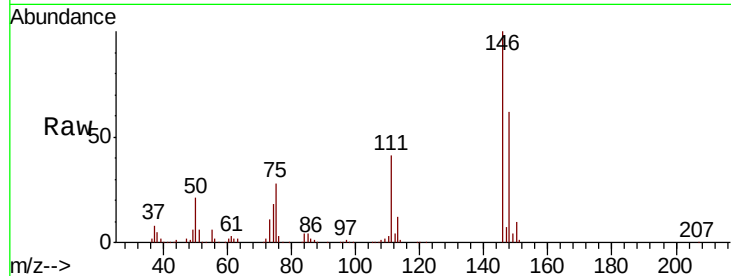
Tgt Ion:146 Resp: 346019

Ion Ratio Lower Upper

146 100

111 41.5 20.3 60.9

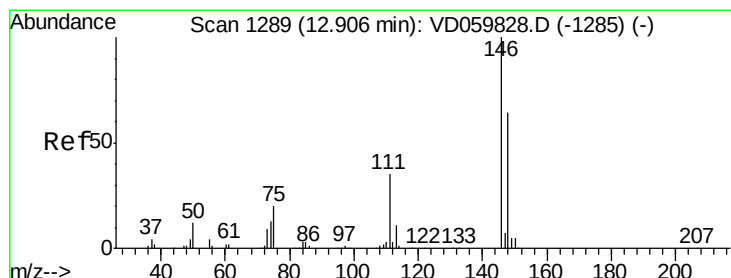
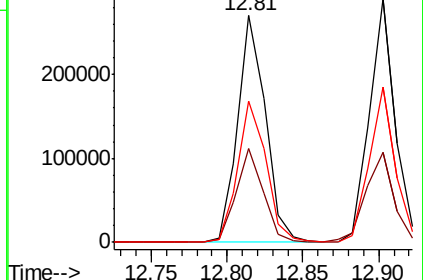
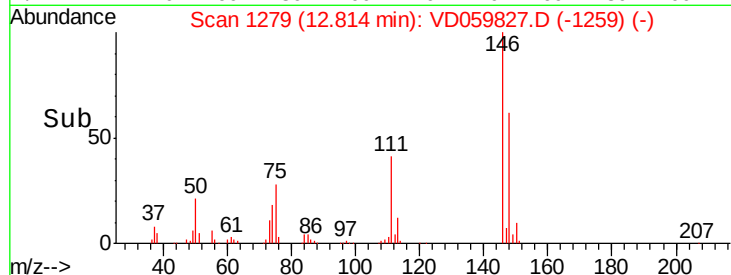
148 62.0 31.6 94.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.263 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

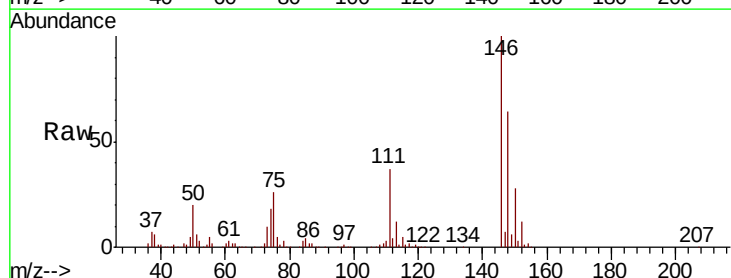
Tgt Ion:146 Resp: 345065

Ion Ratio Lower Upper

146 100

111 37.2 17.8 53.3

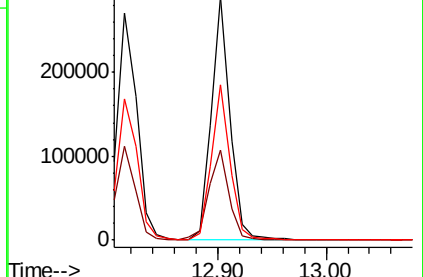
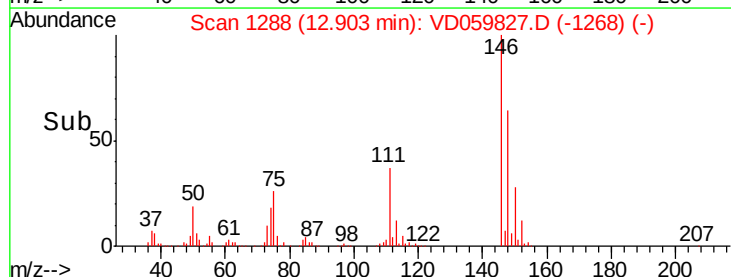
148 63.8 31.9 95.9

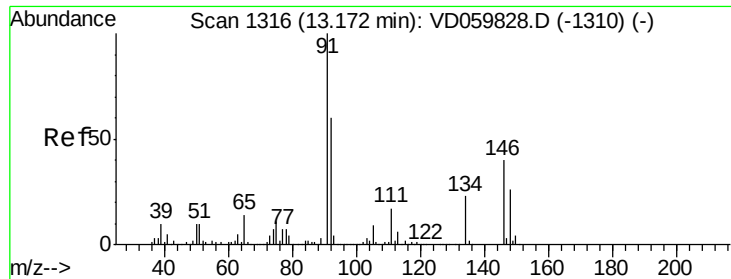


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.277 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

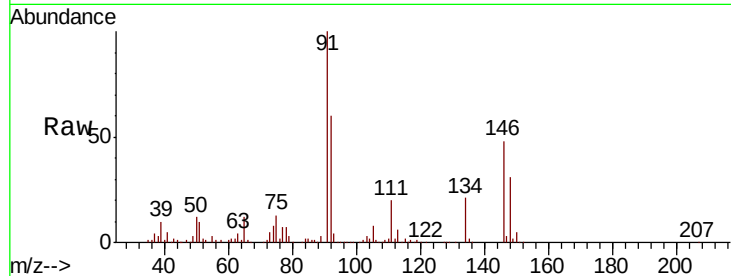
Tgt Ion: 91 Resp: 640631

Ion Ratio Lower Upper

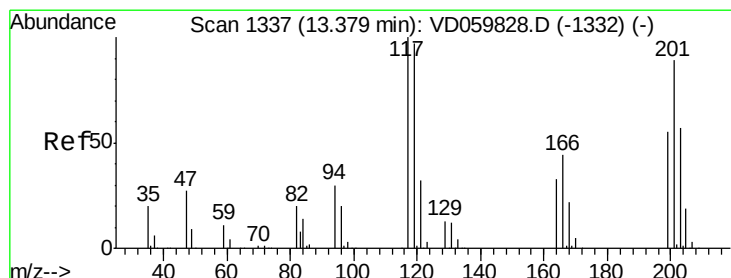
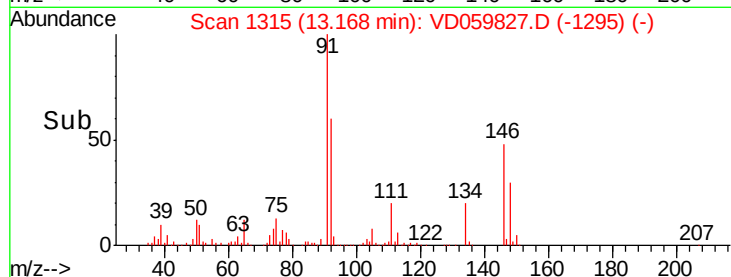
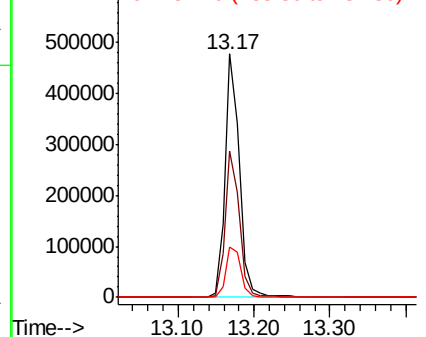
91 100

92 60.1 29.8 89.5

134 20.5 11.5 34.4



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



#90

Hexachloroethane

Concen: 19.870 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VD059827.D

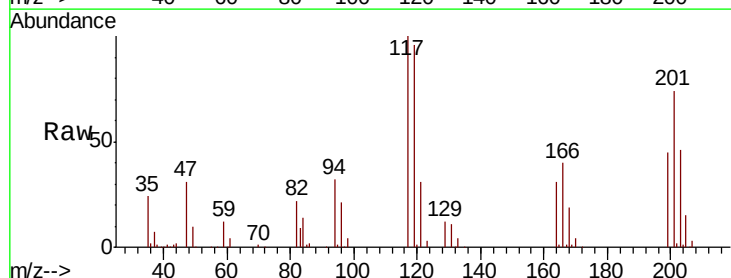
Acq: 20 Aug 2018 12:59

Tgt Ion: 117 Resp: 168465

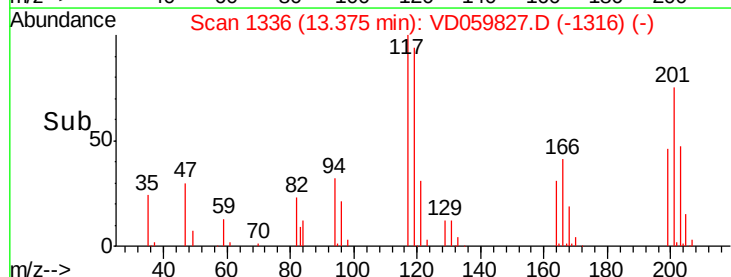
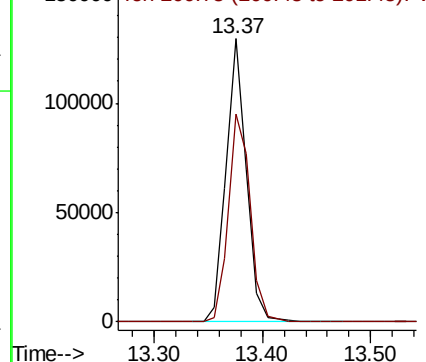
Ion Ratio Lower Upper

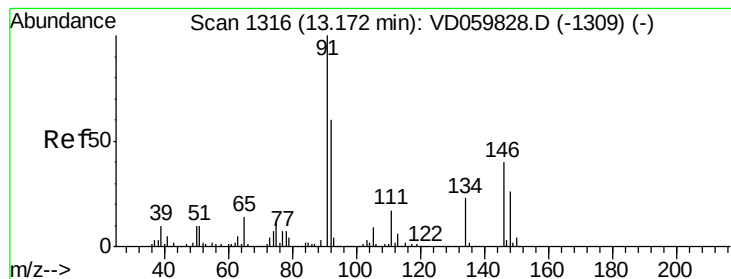
117 100

201 73.6 44.6 134.0



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





#91

1,2-Dichlorobenzene

Concen: 21.732 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

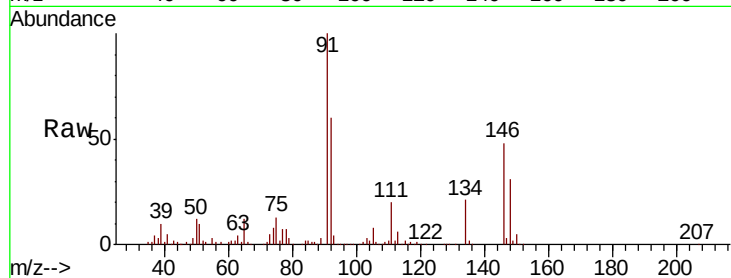
Tgt Ion:146 Resp: 299473

Ion Ratio Lower Upper

146 100

111 41.3 20.9 62.8

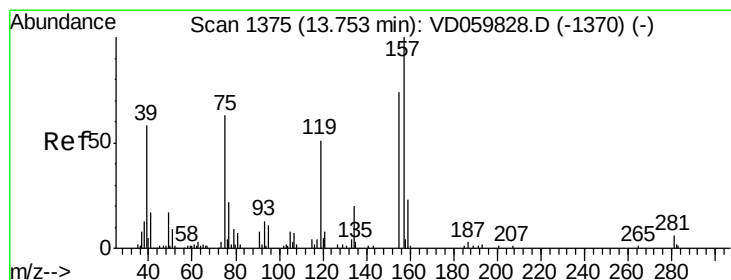
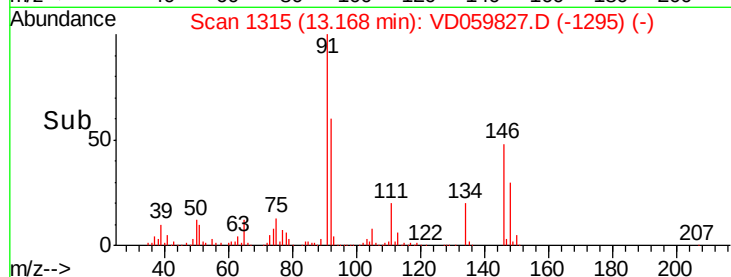
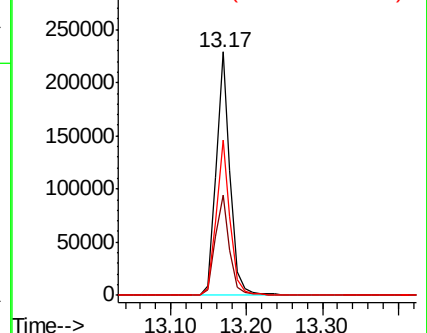
148 63.9 31.6 94.8



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: 18.311 ug/l

RT: 13.75 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

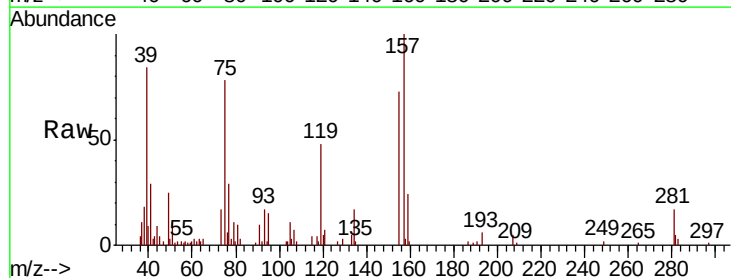
Tgt Ion: 75 Resp: 22550

Ion Ratio Lower Upper

75 100

155 93.6 59.1 177.3

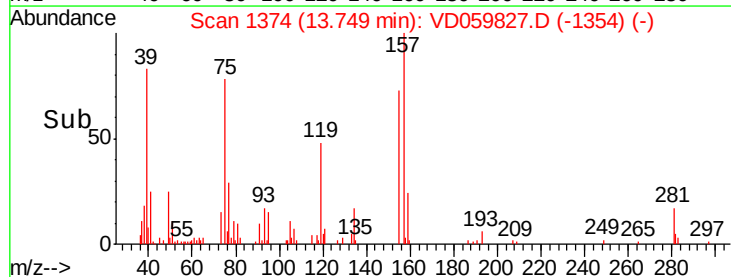
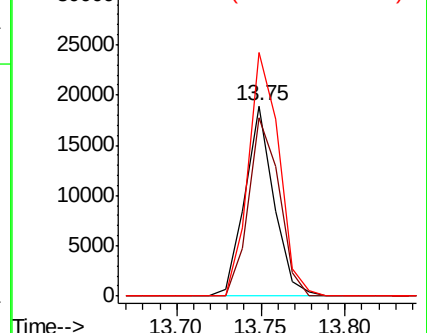
157 128.0 79.7 238.9

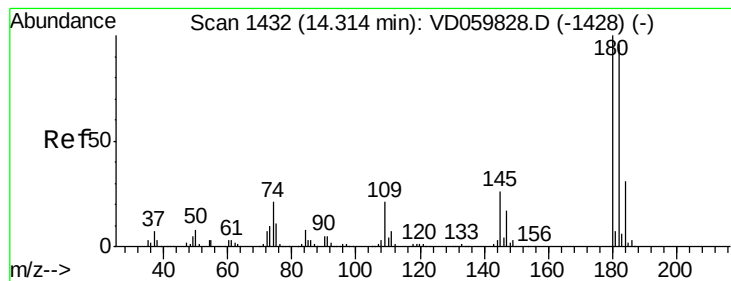


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





#93

1,2,4-Trichlorobenzene

Concen: 19.833 ug/l

RT: 14.31 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

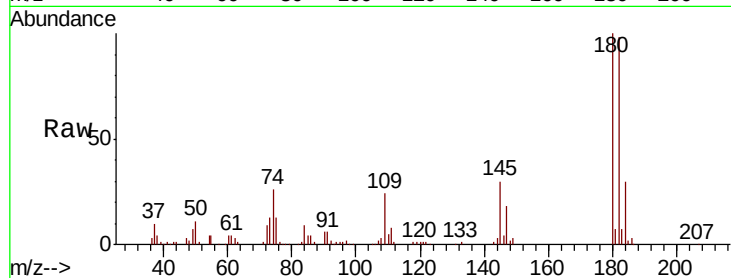
Tgt Ion:180 Resp: 243905

Ion Ratio Lower Upper

180 100

182 98.2 48.0 144.0

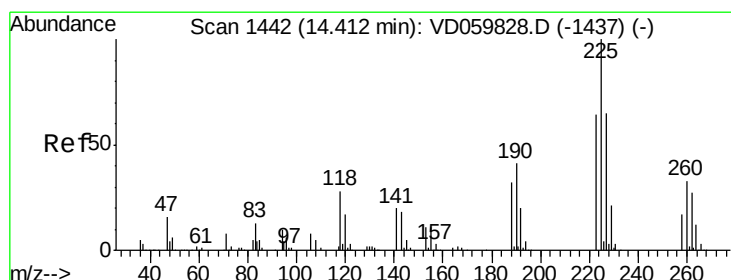
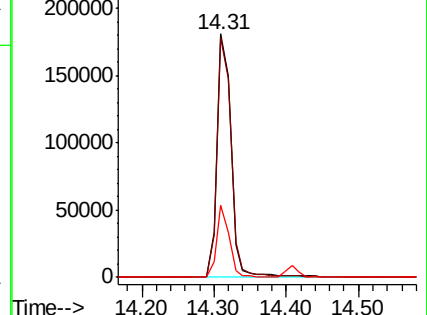
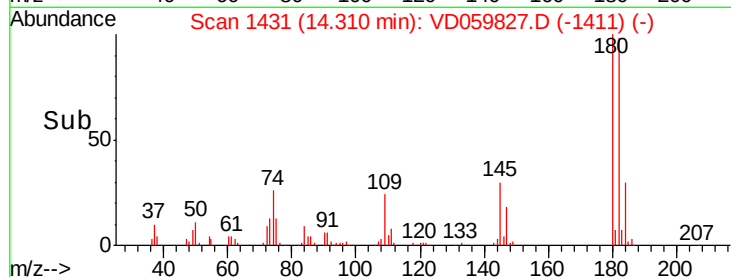
145 29.6 13.1 39.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94

Hexachlorobutadiene

Concen: 19.758 ug/l

RT: 14.41 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

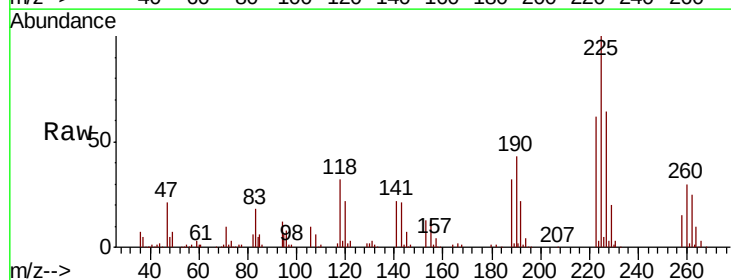
Tgt Ion:225 Resp: 161457

Ion Ratio Lower Upper

225 100

223 62.3 31.8 95.4

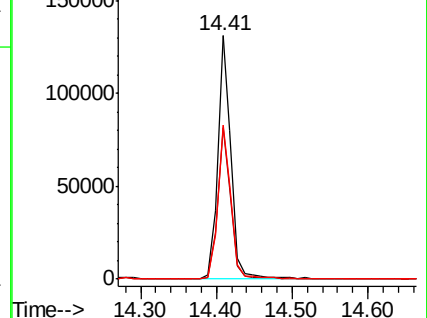
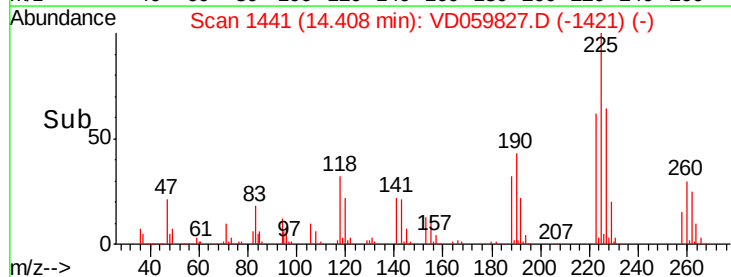
227 63.5 32.8 98.3

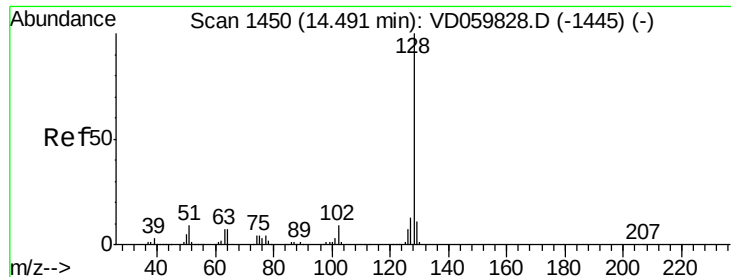


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 18.926 ug/l

RT: 14.49 min Scan# 1449

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

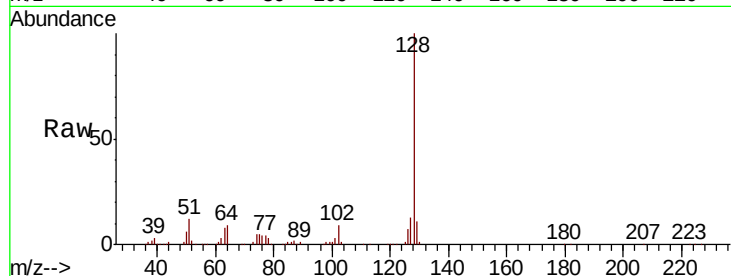
Tgt Ion:128 Resp: 371324

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

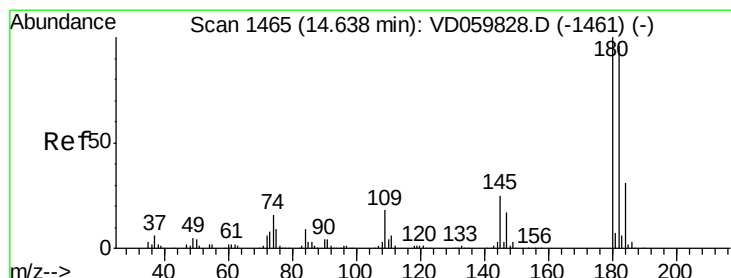
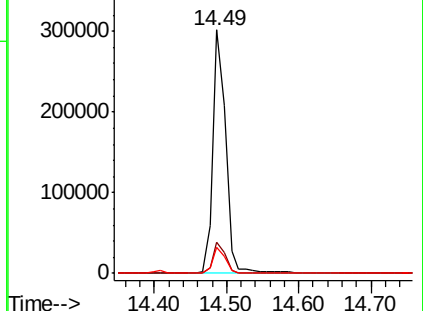
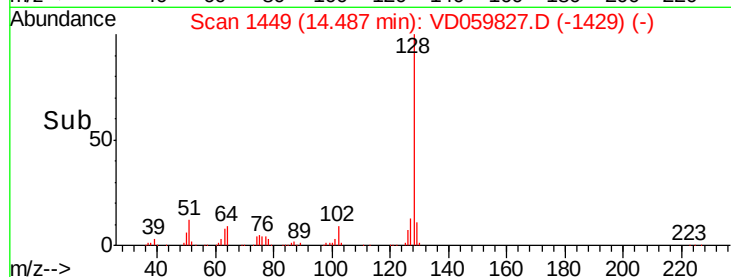
129 10.8 8.7 13.1



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: 19.517 ug/l

RT: 14.63 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VD059827.D

Acq: 20 Aug 2018 12:59

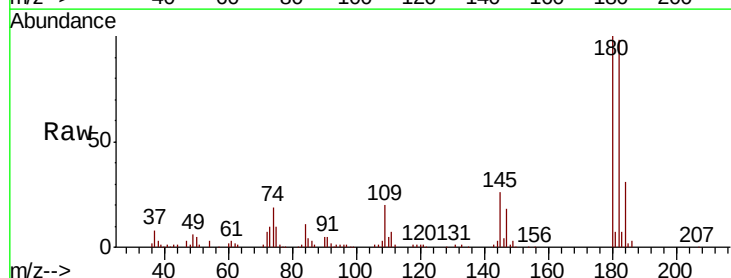
Tgt Ion:180 Resp: 208366

Ion Ratio Lower Upper

180 100

182 97.7 47.8 143.4

145 26.4 12.7 38.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

