

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059900.D
 Acq On : 24 Aug 2018 11:46
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 14:45:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1303388	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1838735	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1533471	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	797275	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	551655	50.22	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	6.31	113	745351	51.70	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	9.45	98	2099894	52.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.42	95	825364	50.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	605032	51.929	ug/l	99
3) Chloromethane	1.75	50	529076	50.127	ug/l	96
4) Vinyl Chloride	1.84	62	464887	56.173	ug/l	98
5) Bromomethane	2.13	94	77440	54.197	ug/l	93
6) Chloroethane	2.24	64	138170	52.564	ug/l	99
7) Trichlorofluoromethane	2.49	101	542021	56.612	ug/l	98
8) Diethyl Ether	2.81	74	114928	53.506	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	336860	57.451	ug/l	96
10) Methyl Iodide	3.23	142	335420	53.443	ug/l	98
11) Tert butyl alcohol	3.94	59	201232	240.070	ug/l	99
12) 1,1-Dichloroethene	3.05	96	263365	57.697	ug/l	98
13) Acrolein	2.96	56	86539	238.034	ug/l	89
14) Allyl chloride	3.51	41	572550	55.445	ug/l	96
15) Acrylonitrile	4.06	53	757691	241.384	ug/l	98
16) Acetone	3.14	43	588126	293.851	ug/l	100
17) Carbon Disulfide	3.29	76	791245	55.845	ug/l	99
18) Methyl Acetate	3.54	43	209379	50.113	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1291984	50.034	ug/l	98
20) Methylene Chloride	3.70	84	709714	53.380	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	657175	52.254	ug/l	97
22) Diisopropyl ether	4.84	45	2766990	52.539	ug/l	98
23) Vinyl Acetate	4.78	43	7590353	257.820	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1222091	53.713	ug/l	99
25) 2-Butanone	5.61	43	1564474	263.928	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1020433	53.651	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	745990	54.174	ug/l	98
28) Bromochloromethane	5.90	49	596249	54.680	ug/l	98
29) Tetrahydrofuran	5.93	42	701943	248.738	ug/l	100
30) Chloroform	6.08	83	1270193	54.934	ug/l	98
31) Cyclohexane	6.35	56	1057780	50.571	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	1027408	52.354	ug/l	100
36) 1,1-Dichloropropene	6.50	75	883043	52.977	ug/l	97
37) Ethyl Acetate	5.68	43	649708	50.091	ug/l	98
38) Carbon Tetrachloride	6.48	117	870813	51.769	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	977504	54.279	ug/l	99
40) Benzene	6.78	78	2291630	52.875	ug/l	99
41) Methacrylonitrile	5.93	41	717597	109.831	ug/l #	81
42) 1,2-Dichloroethane	6.88	62	730520	52.504	ug/l	100
43) Isopropyl Acetate	8.33	43	843863	50.009	ug/l	97
44) Trichloroethene	7.72	130	660129	51.730	ug/l	96
45) 1,2-Dichloropropane	8.09	63	641821	52.980	ug/l	97
46) Dibromomethane	8.20	93	404976	51.990	ug/l	97
47) Bromodichloromethane	8.47	83	940009	53.306	ug/l	99
48) Methyl methacrylate	8.23	41	496210	50.446	ug/l	99
49) 1,4-Dioxane	8.22	88	88244	1004.836	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	3299686	262.295	ug/l	99
52) Toluene	9.53	92	1499125	53.942	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	866830	53.146	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1014351	53.639	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	493695	48.598	ug/l	98
56) Ethyl methacrylate	10.02	69	578699	49.359	ug/l	98
57) 1,3-Dichloropropane	10.37	76	772696	52.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	1386242	246.473	ug/l	100
59) 2-Hexanone	10.48	43	2359831	254.324	ug/l	99
60) Dibromochloromethane	10.63	129	646762	50.652	ug/l	98
61) 1,2-Dibromoethane	10.74	107	510945	49.742	ug/l	99
64) Tetrachloroethene	10.24	164	629974	53.130	ug/l	97
65) Chlorobenzene	11.31	112	1631957	53.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	580163	52.112	ug/l	97
67) Ethyl Benzene	11.42	91	2699927	52.665	ug/l	99
68) m/p-Xylenes	11.56	106	1997761	107.029	ug/l	98
69) o-Xylene	11.93	106	971705	53.226	ug/l	100
70) Styrene	11.94	104	1654127	52.328	ug/l	98
71) Bromoform	12.11	173	488417	50.704	ug/l #	98
73) Isopropylbenzene	12.27	105	2694381	52.941	ug/l	99
74) N-amyl acetate	12.12	43	1047717	47.016	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	584535	49.655	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	608485	49.105	ug/l	99
77) Bromobenzene	12.54	156	769173	54.511	ug/l	84
78) n-propylbenzene	12.63	91	3312650	51.403	ug/l	98
79) 2-Chlorotoluene	12.70	91	1896789	52.045	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	2151725	53.178	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	187351	48.605	ug/l	94
82) 4-Chlorotoluene	12.80	91	2134618	51.350	ug/l	97
83) tert-Butylbenzene	13.04	119	2396658	51.996	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2143114	50.816	ug/l	98
85) sec-Butylbenzene	13.21	105	2842436	52.439	ug/l	98
86) p-Isopropyltoluene	13.33	119	2291479	51.981	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1305942	51.840	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1307165	52.008	ug/l	98
89) n-Butylbenzene	13.64	91	2386847	58.765	ug/l	98
90) Hexachloroethane	13.85	117	614598	51.923	ug/l	79
91) 1,2-Dichlorobenzene	13.66	146	1126967	52.612	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	86892	48.008	ug/l	77

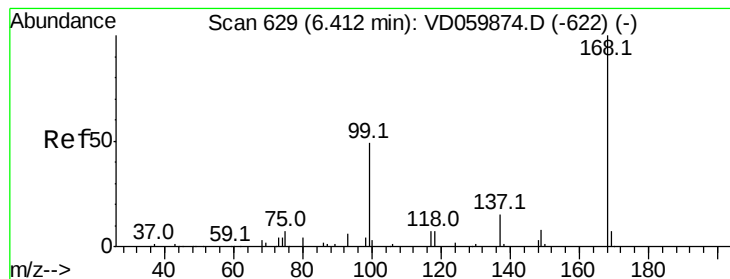
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QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	953223	51.974	ug/l	98
94) Hexachlorobutadiene	14.88	225	661966	55.062	ug/l	98
95) Naphthalene	14.96	128	1370159	48.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	815701	52.003	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

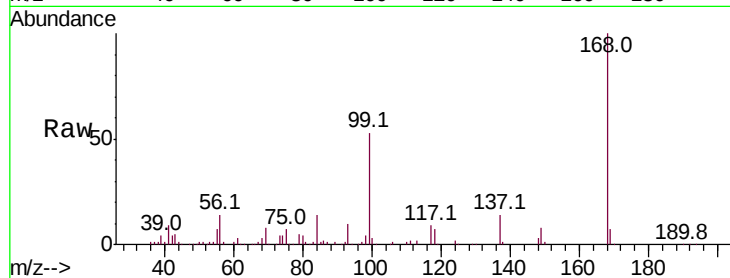
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1303388

Ion Ratio Lower Upper

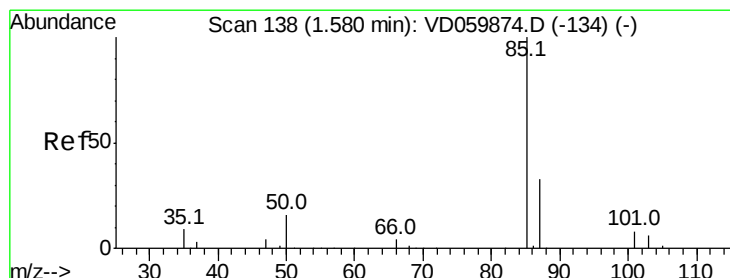
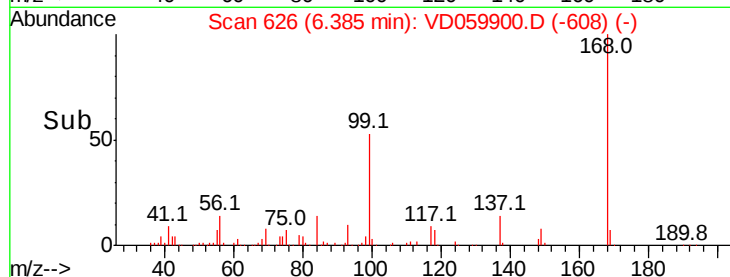
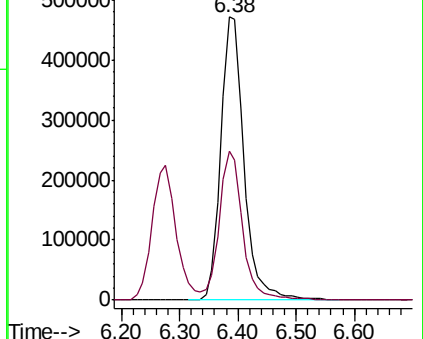
168 100

99 52.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.929 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059900.D

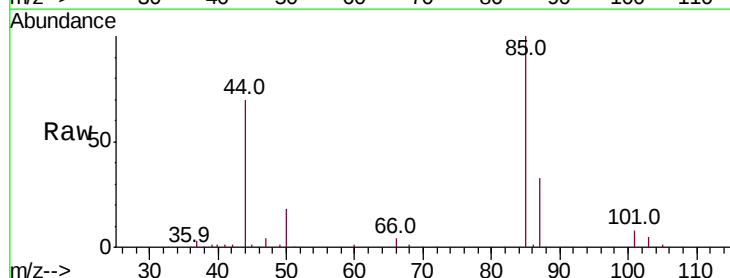
Acq: 24 Aug 2018 11:46

Tgt Ion: 85 Resp: 605032

Ion Ratio Lower Upper

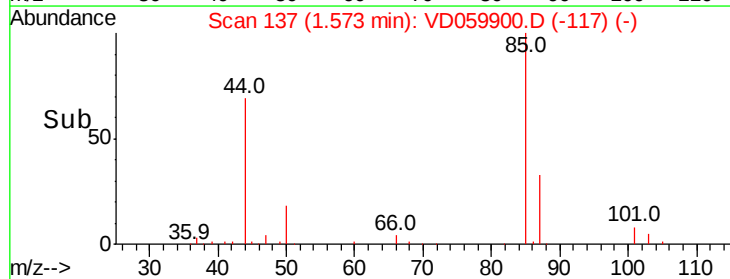
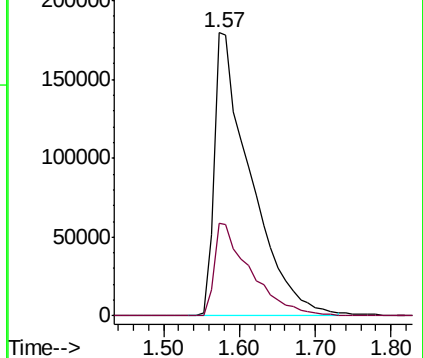
85 100

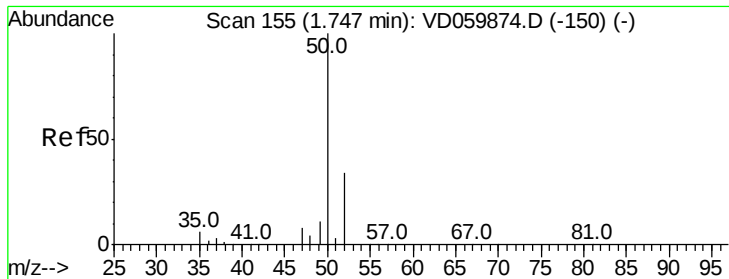
87 32.9 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.127 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

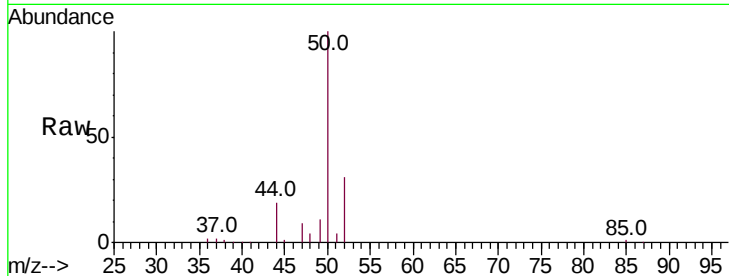
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 529076

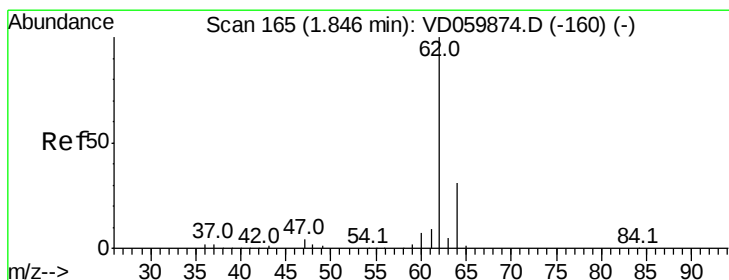
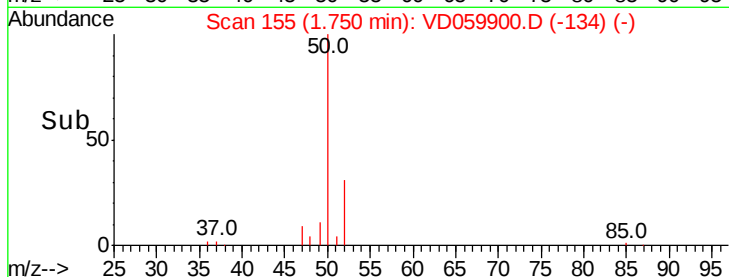
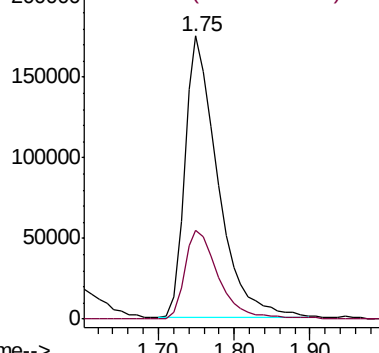
Ion Ratio Lower Upper

50 100

52 31.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.173 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059900.D

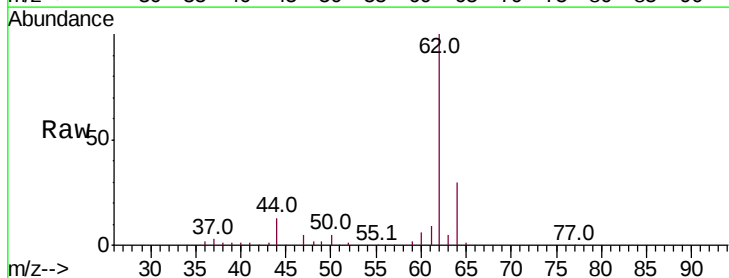
Acq: 24 Aug 2018 11:46

Tgt Ion: 62 Resp: 464887

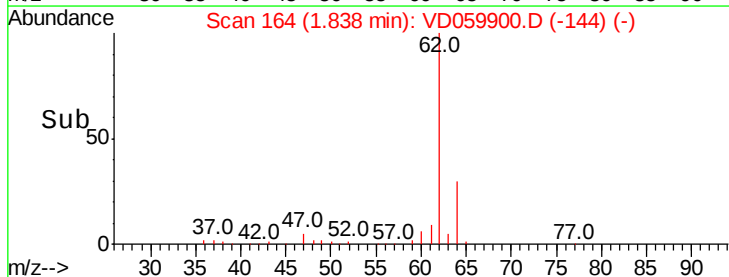
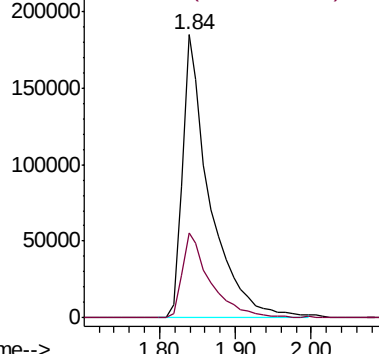
Ion Ratio Lower Upper

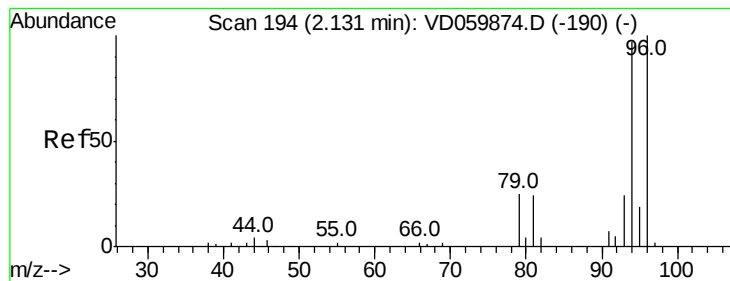
62 100

64 29.9 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.197 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

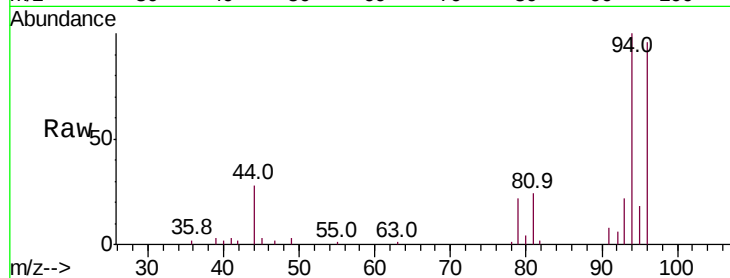
ClientSampled :

Tot Ion: 94 Resp: 77440

Ion Ratio Lower Upper

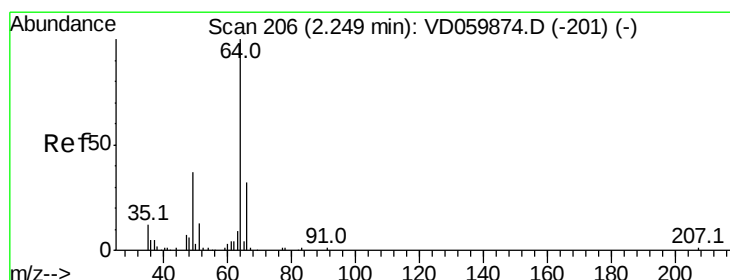
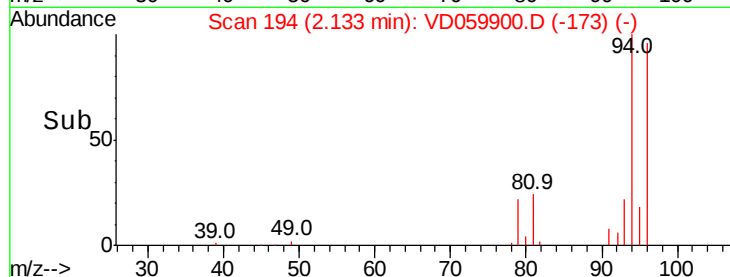
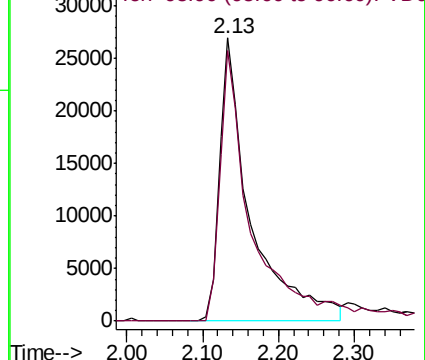
94 100

96 95.7 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.564 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059900.D

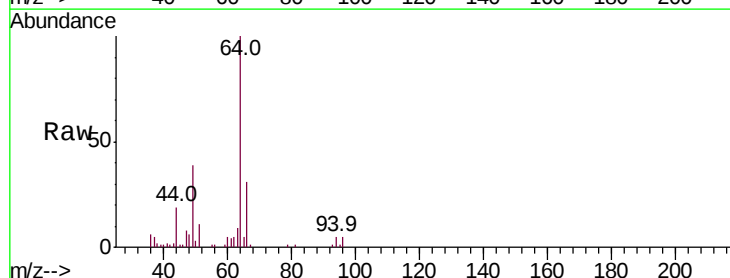
Acq: 24 Aug 2018 11:46

Tgt Ion: 64 Resp: 138170

Ion Ratio Lower Upper

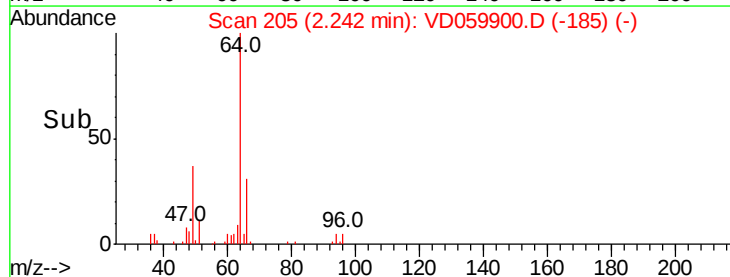
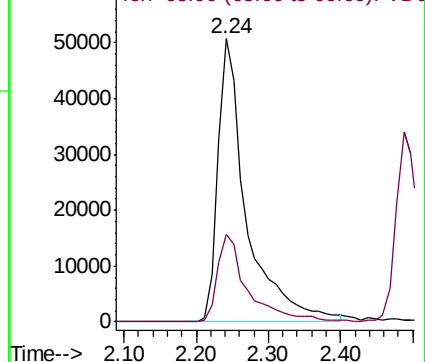
64 100

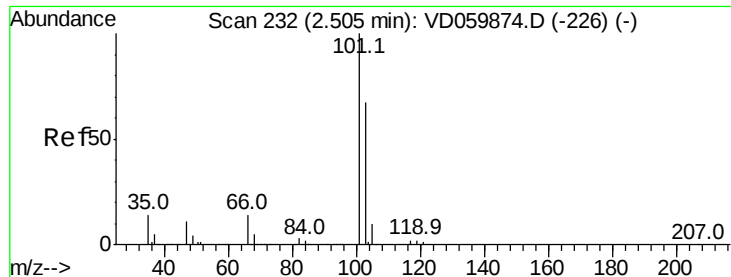
66 30.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



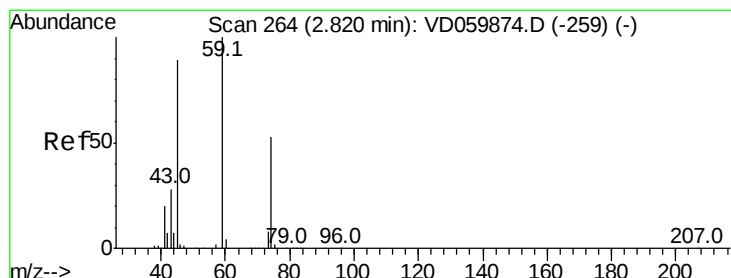
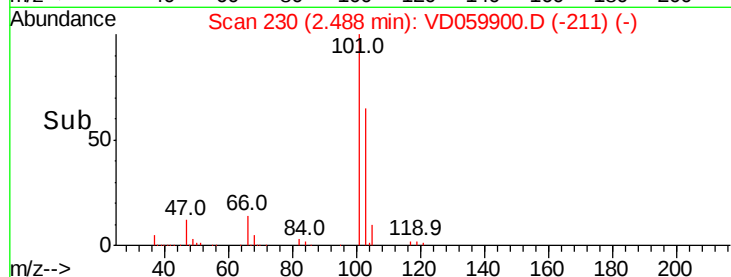
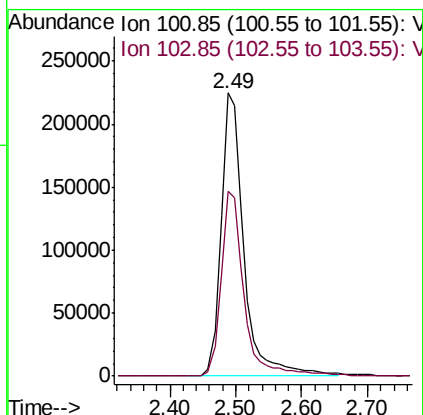
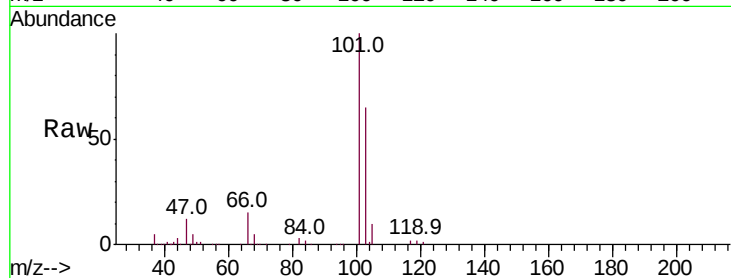


#7

Trichlorofluoromethane
 Concen: 56.612 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

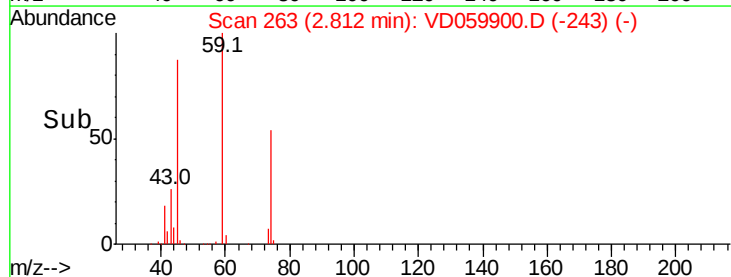
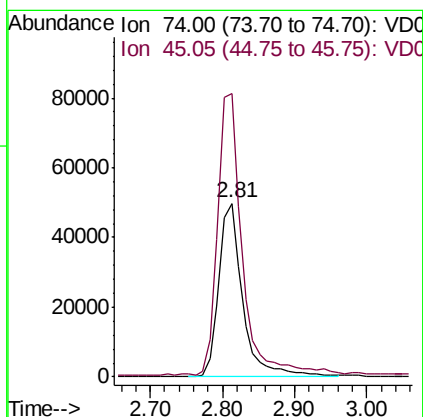
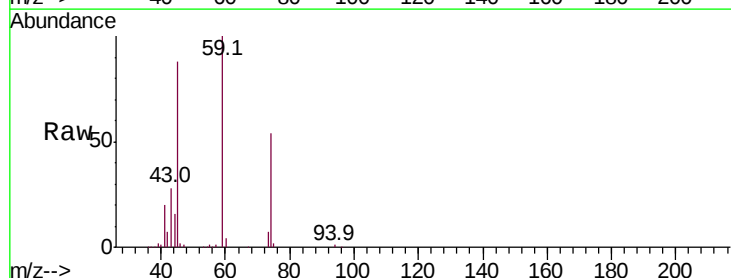
Tot Ion:101 Resp: 542021
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.7 80.5

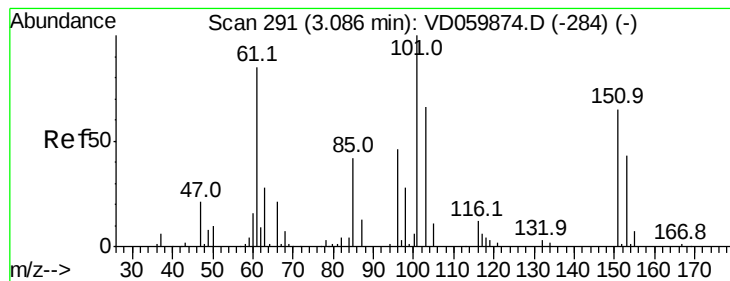


#8

Diethyl Ether
 Concen: 53.506 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion: 74 Resp: 114928
 Ion Ratio Lower Upper
 74 100
 45 163.1 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.451 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

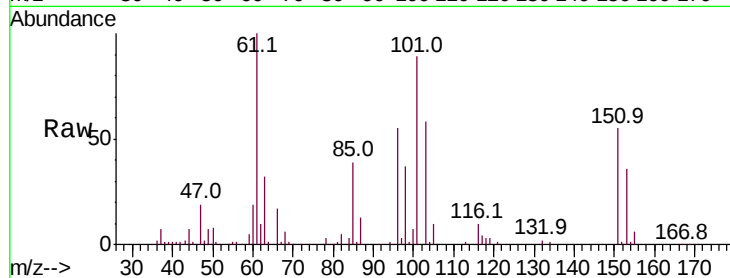
Tot Ion:101 Resp: 336860

Ion Ratio Lower Upper

101 100

85 43.6 33.6 50.4

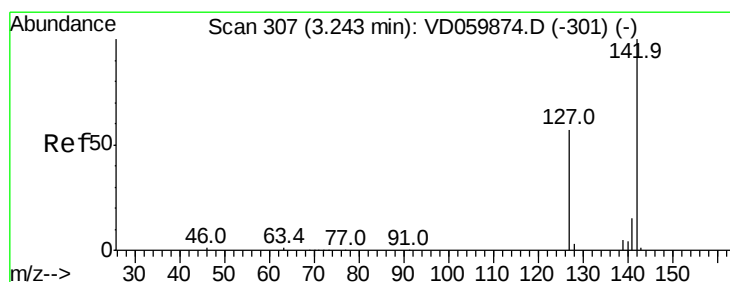
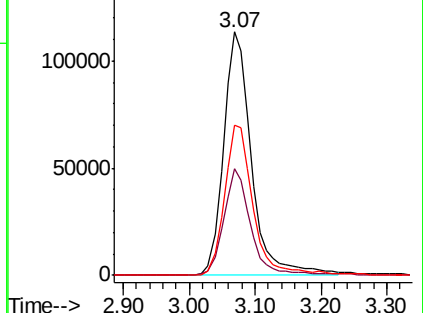
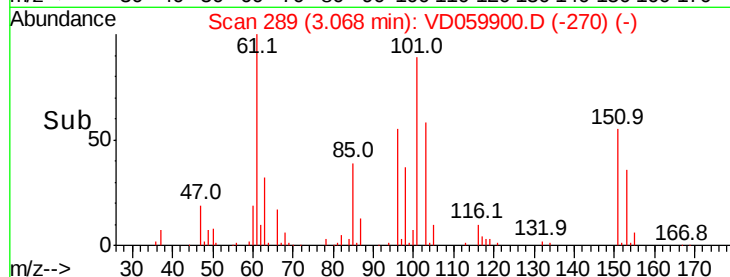
151 61.5 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.443 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

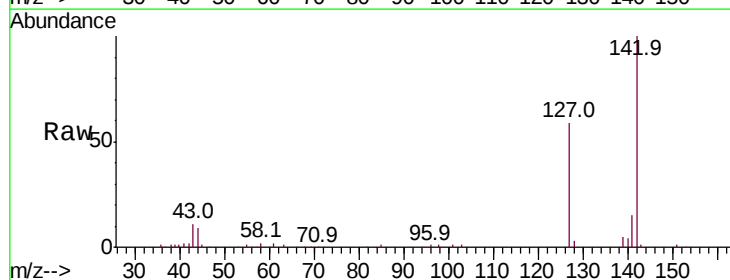
Tgt Ion:142 Resp: 335420

Ion Ratio Lower Upper

142 100

127 58.8 45.8 68.6

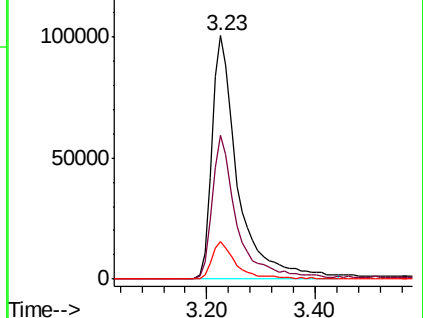
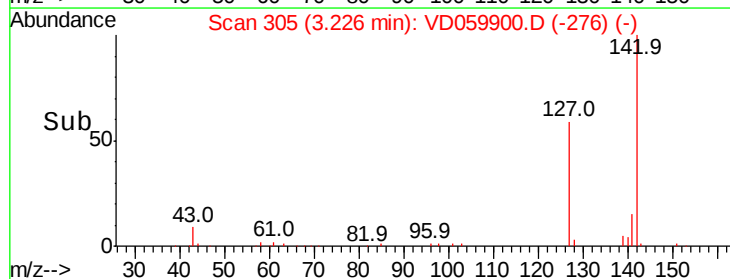
141 15.5 11.6 17.4

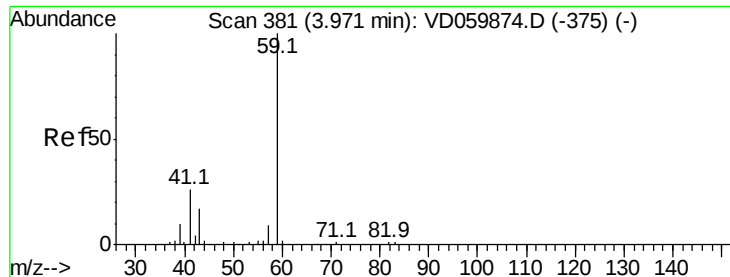


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



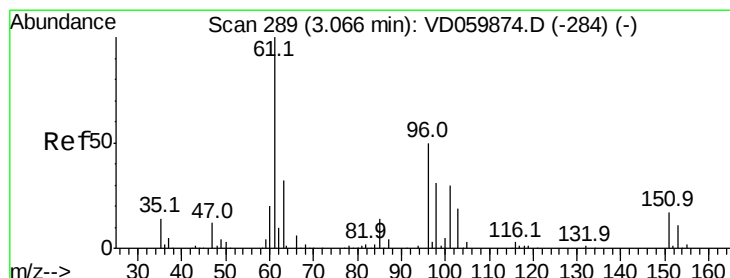
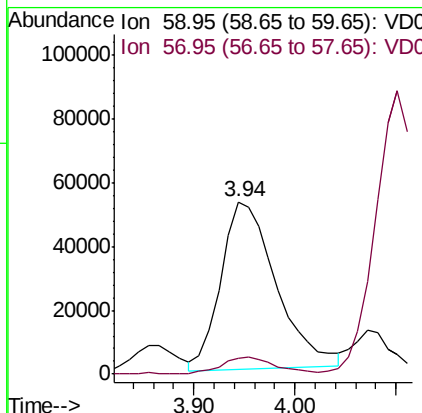
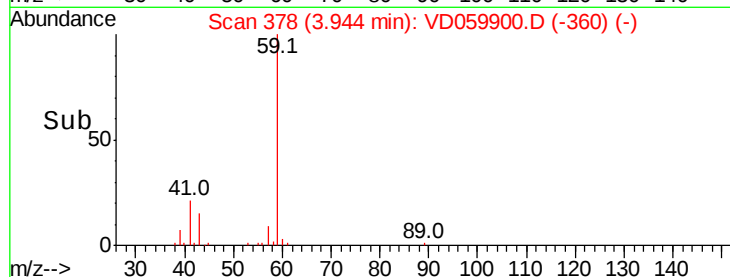
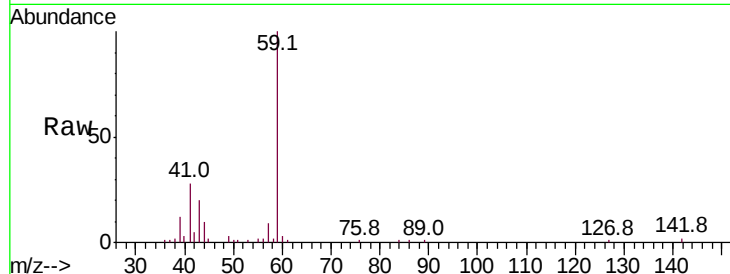


#11

Tert butyl alcohol
Concen: 240.070 ug/l
RT: 3.94 min Scan# 378
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

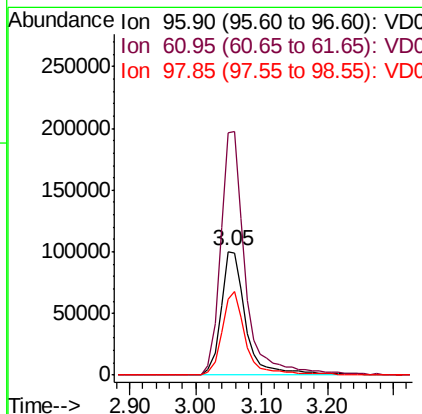
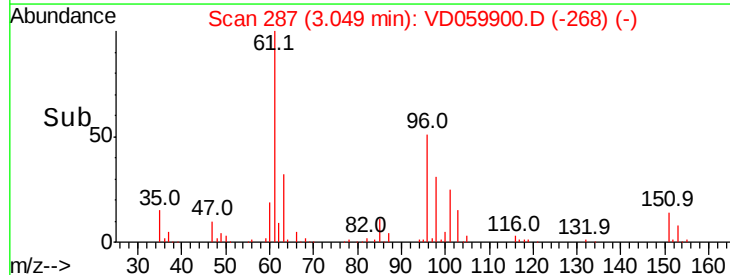
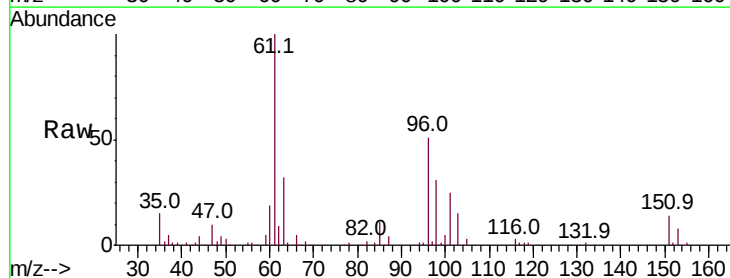
Tot Ion: 59 Resp: 201232
Ion Ratio Lower Upper
59 100
57 8.9 7.4 11.0

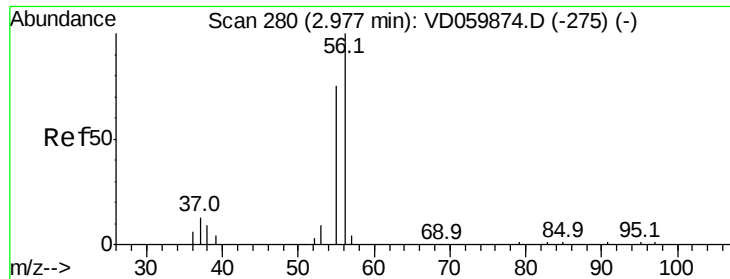


#12

1,1-Dichloroethene
Concen: 57.697 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 96 Resp: 263365
Ion Ratio Lower Upper
96 100
61 195.8 158.8 238.2
98 61.4 48.7 73.1

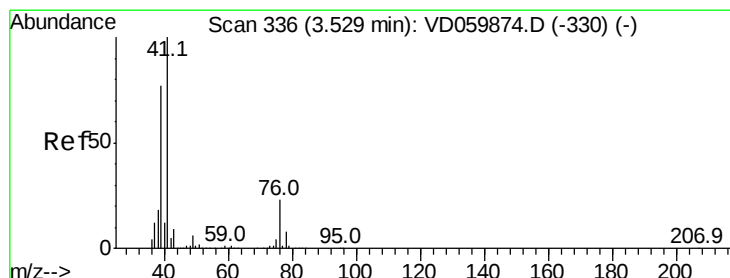
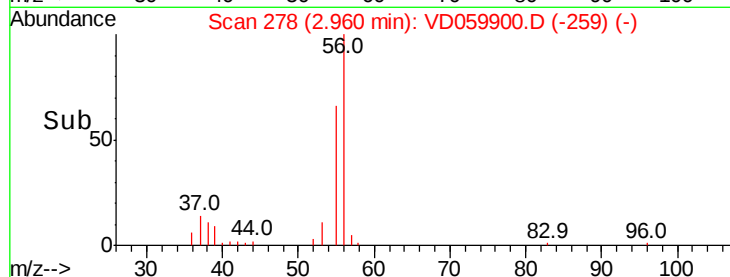
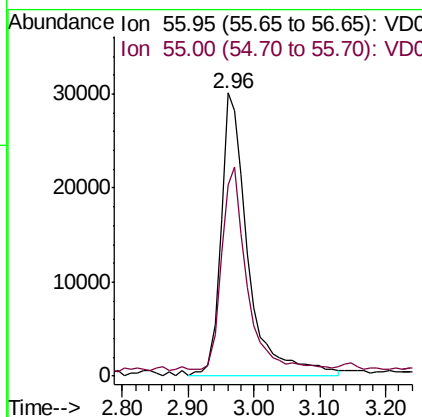
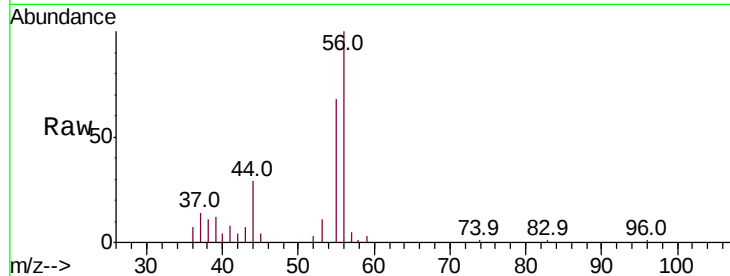




#13
Acrolein
Concen: 238.034 ug/l
RT: 2.96 min Scan# 278
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

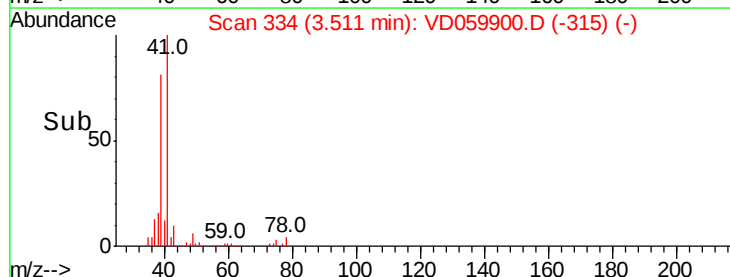
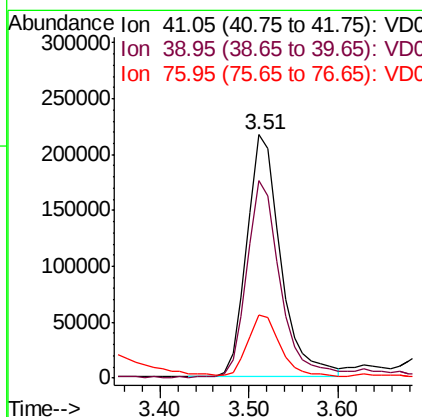
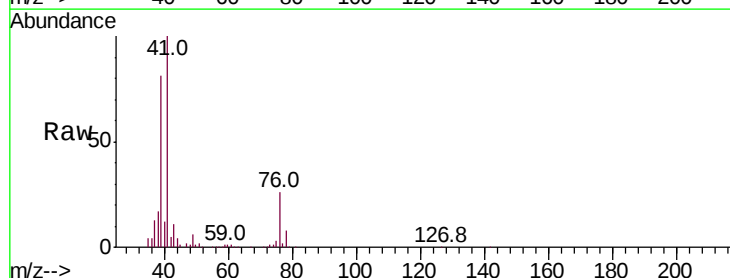
Instrument :
MSVOA_D
ClientSampleId :

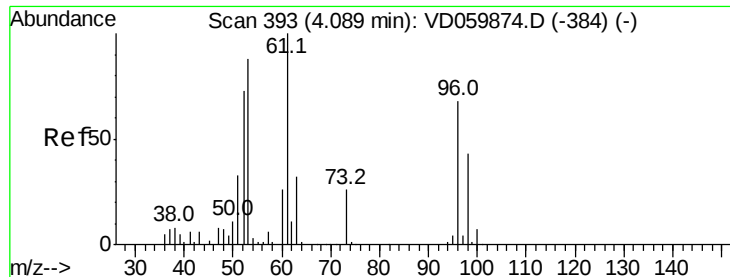
Tot Ion: 56 Resp: 86539
Ion Ratio Lower Upper
56 100
55 67.7 61.9 92.9



#14
Allyl chloride
Concen: 55.445 ug/l
RT: 3.51 min Scan# 334
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 41 Resp: 572550
Ion Ratio Lower Upper
41 100
39 81.4 61.8 92.6
76 25.9 19.4 29.2





#15

Acrylonitrile

Concen: 241.384 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

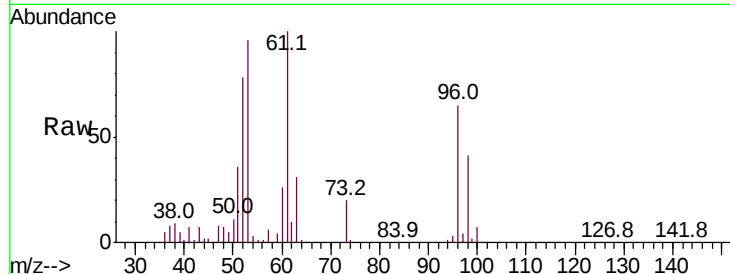
Tot Ion: 53 Resp: 757691

Ion Ratio Lower Upper

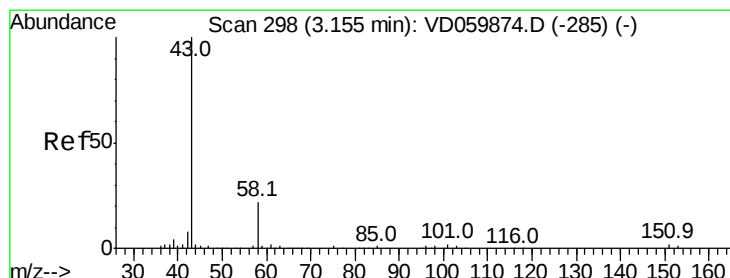
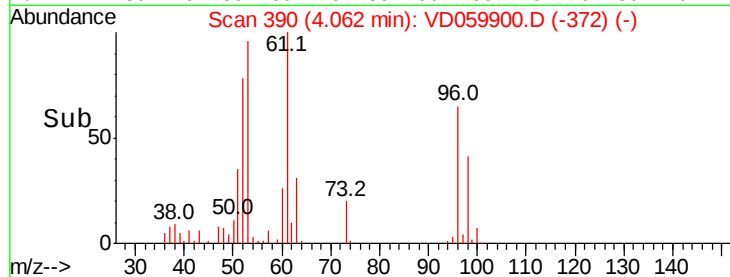
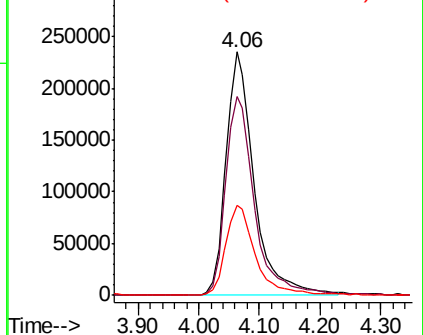
53 100

52 81.9 66.9 100.3

51 37.2 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 293.851 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059900.D

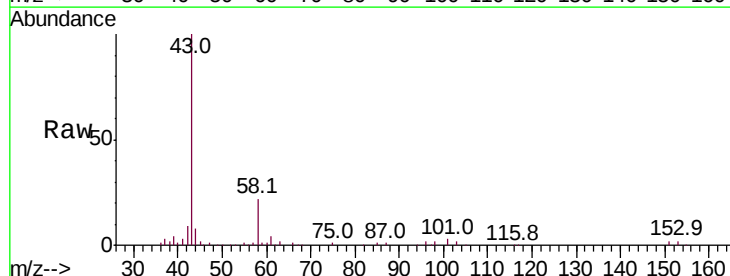
Acq: 24 Aug 2018 11:46

Tgt Ion: 43 Resp: 588126

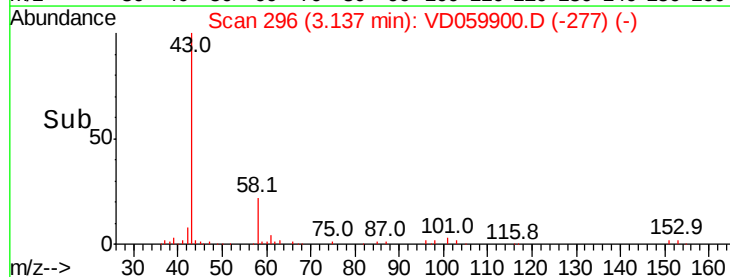
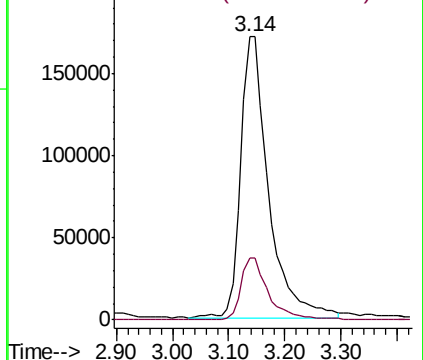
Ion Ratio Lower Upper

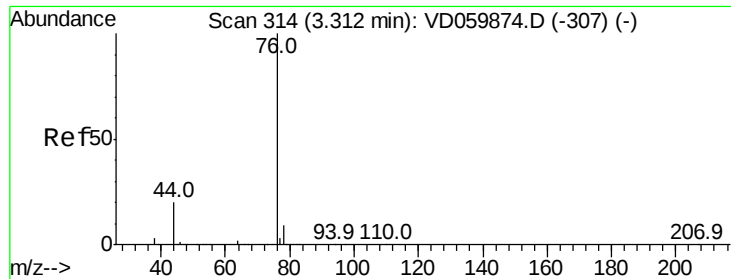
43 100

58 22.0 17.6 26.4



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

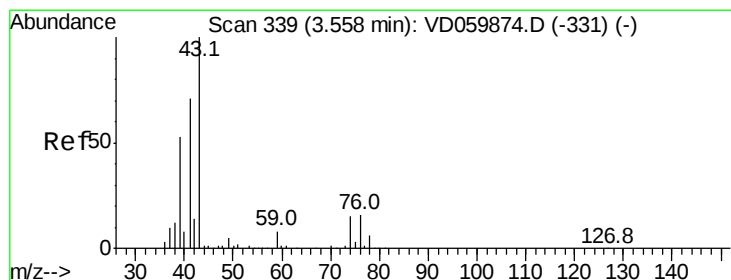
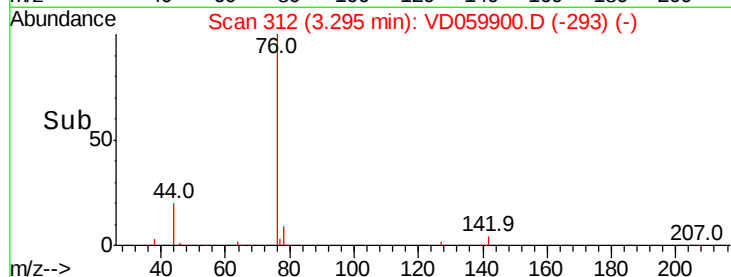
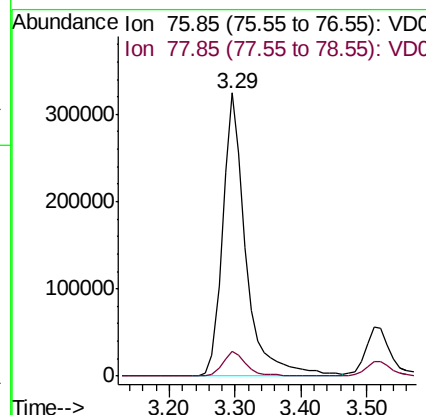
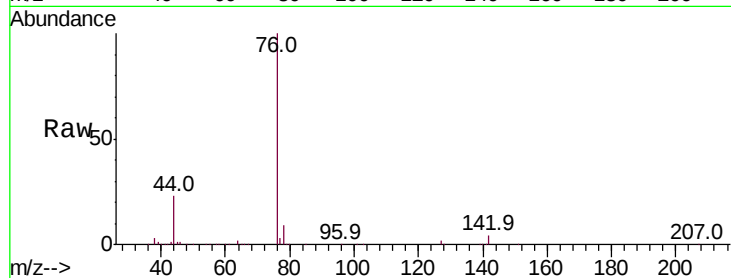




#17
Carbon Disulfide
Concen: 55.845 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

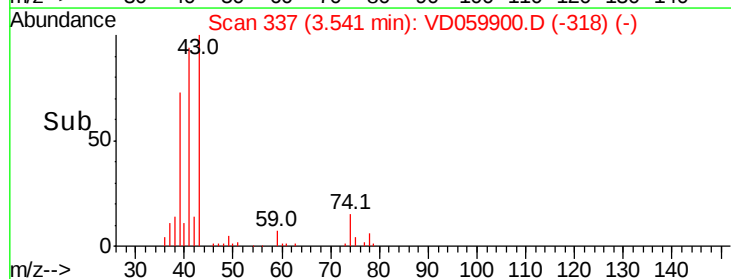
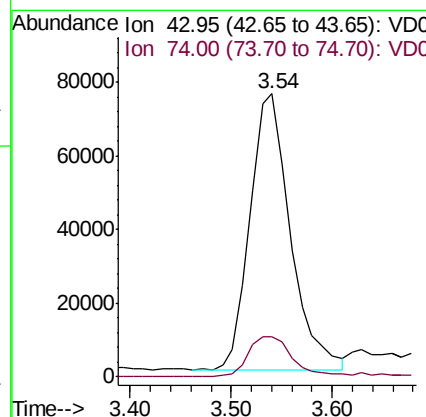
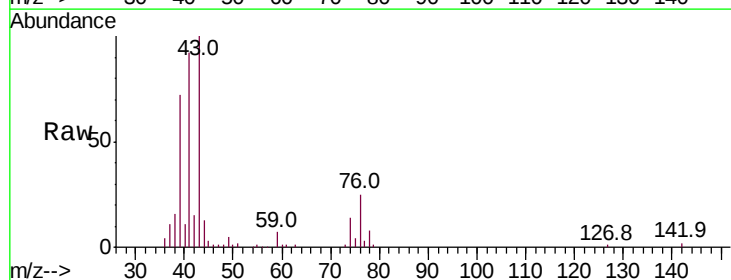
Instrument :
MSVOA_D
ClientSampleId :

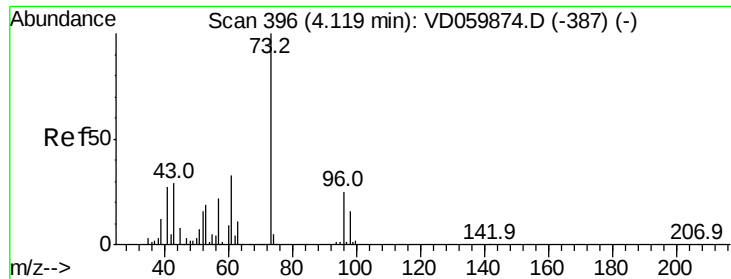
Tot Ion: 76 Resp: 791245
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 50.113 ug/l
RT: 3.54 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 43 Resp: 209379
Ion Ratio Lower Upper
43 100
74 14.3 11.2 16.8

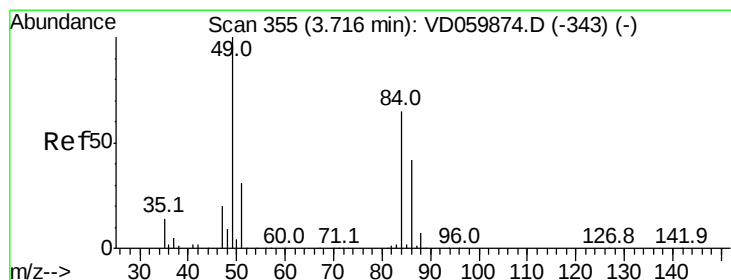
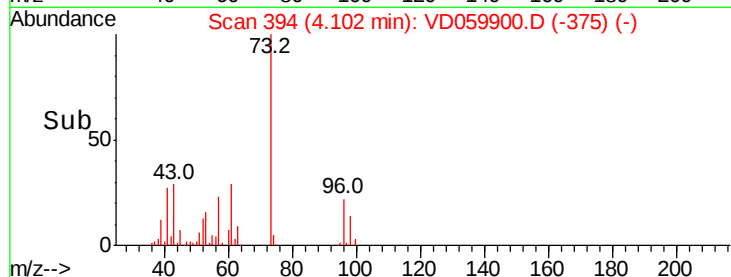
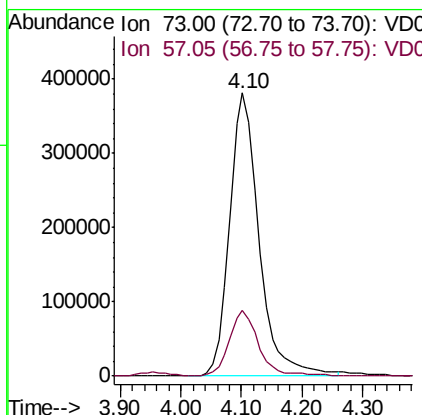
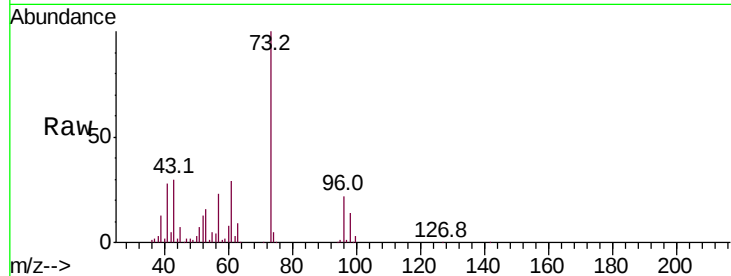




#19
Methvl tert-butvl Ether
Concen: 50.034 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

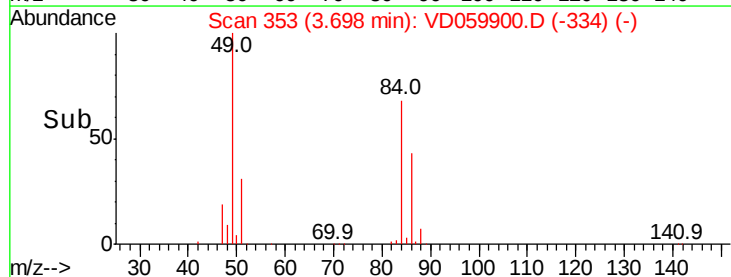
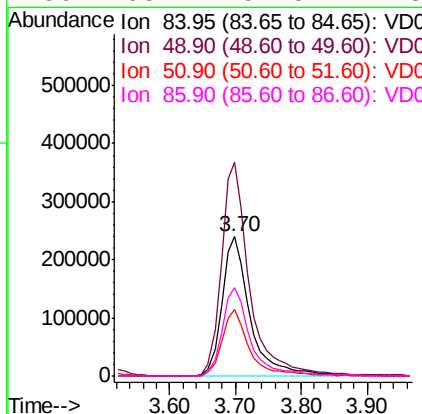
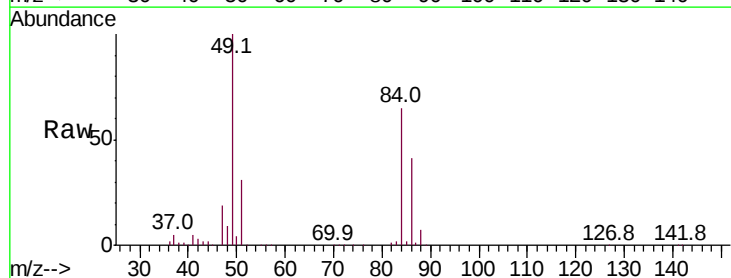
Instrument :
MSVOA_D
ClientSampled :

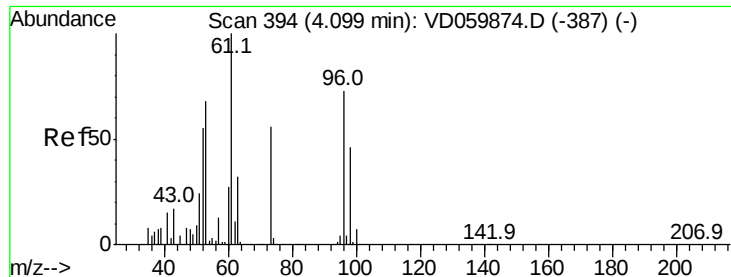
Tot Ion: 73 Resp: 1291984
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9



#20
Methylene Chloride
Concen: 53.380 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 84 Resp: 709714
Ion Ratio Lower Upper
84 100
49 153.2 122.6 183.8
51 47.9 38.4 57.6
86 63.4 51.5 77.3

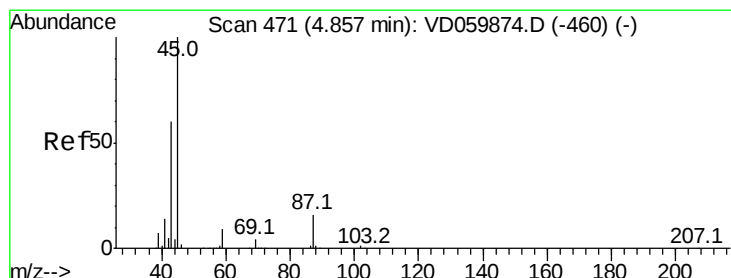
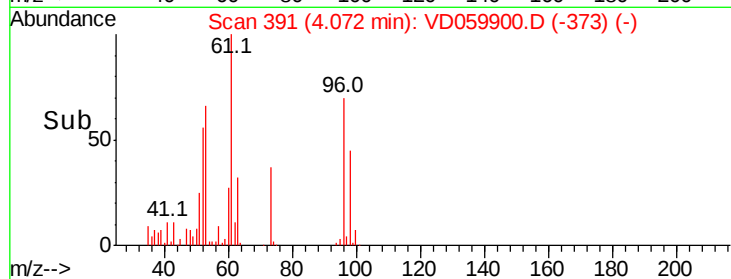
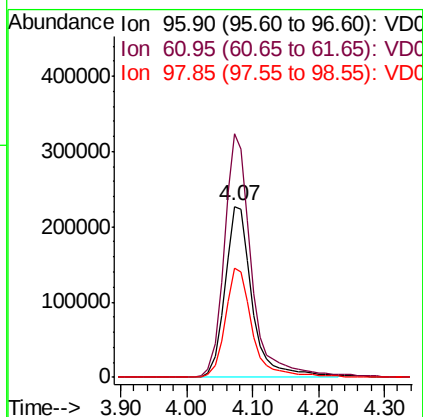
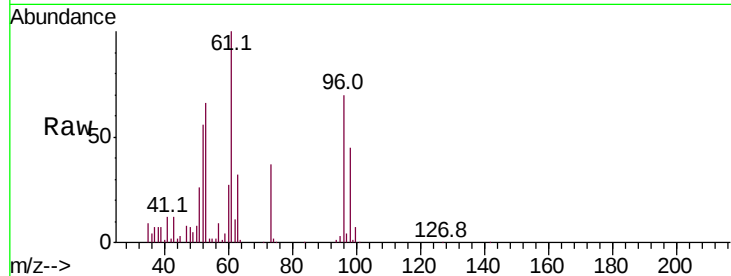




#21
trans-1,2-Dichloroethene
Concen: 52.254 ug/l
RT: 4.07 min Scan# 391
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

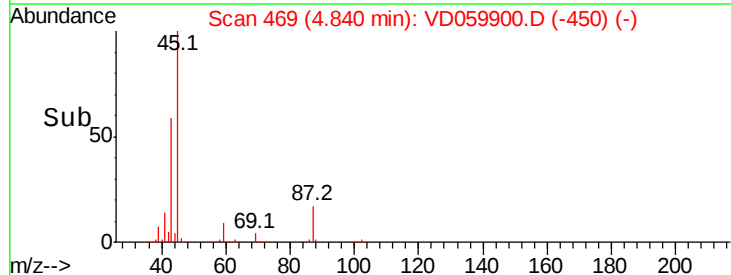
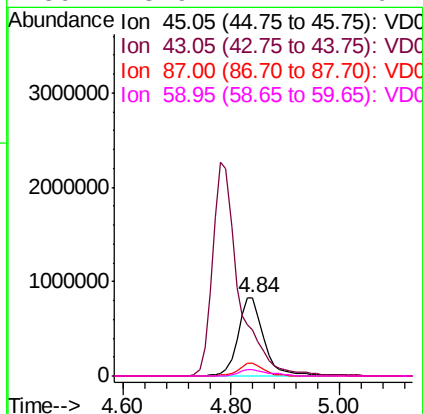
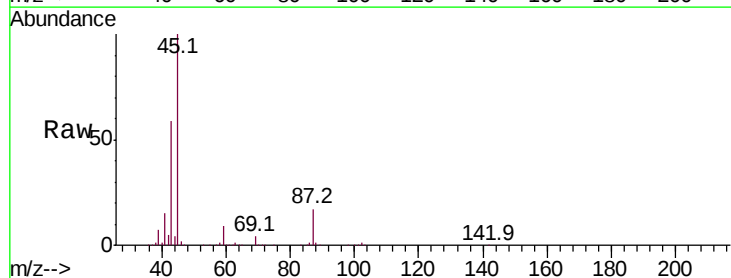
Instrument :
MSVOA_D
ClientSampled :

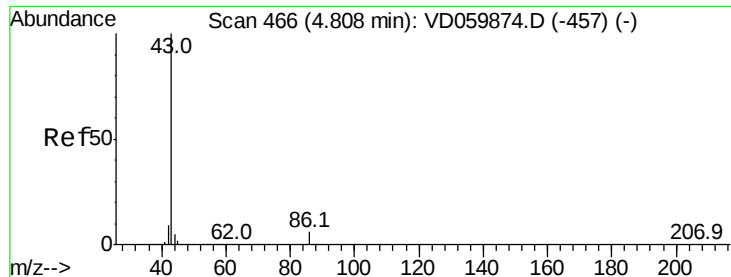
Tot Ion: 96 Resp: 657175
Ion Ratio Lower Upper
96 100
61 142.4 110.2 165.4
98 64.0 50.9 76.3



#22
Diisopropyl ether
Concen: 52.539 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 45 Resp: 2766990
Ion Ratio Lower Upper
45 100
43 58.9 48.6 72.8
87 16.6 13.3 19.9
59 8.9 7.1 10.7





#23

Vinyl Acetate

Concen: 257.820 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

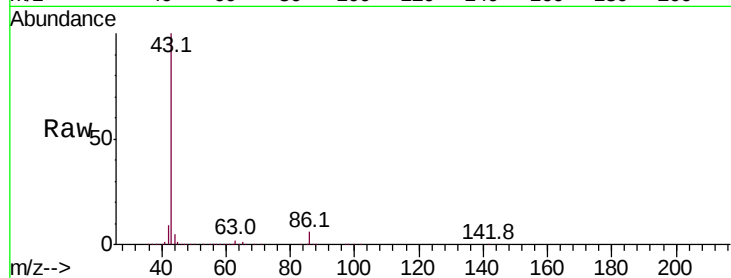
ClientSampled :

Tot Ion: 43 Resp: 7590353

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

1000000

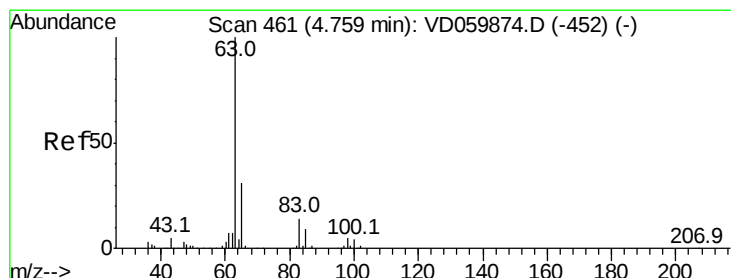
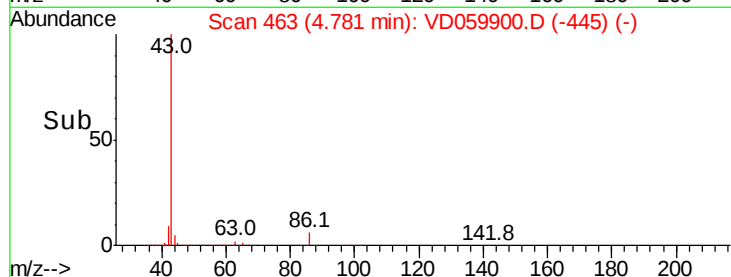
500000

0

4.78

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 53.713 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

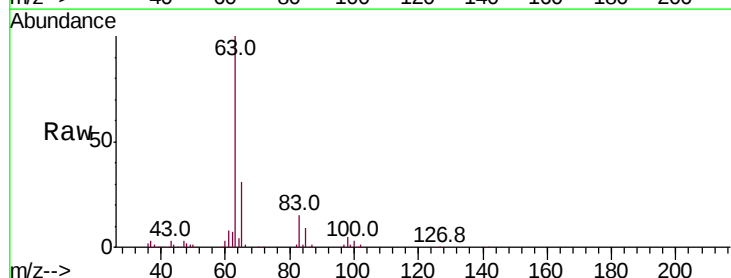
Tgt Ion: 63 Resp: 1222091

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.1 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

500000

400000

300000

200000

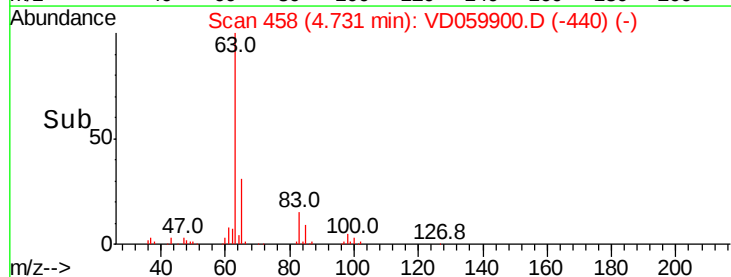
100000

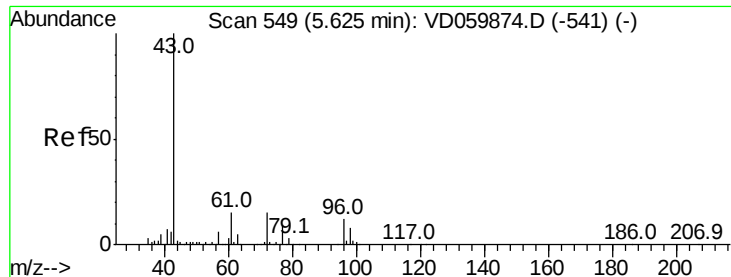
0

4.73

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 263.928 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

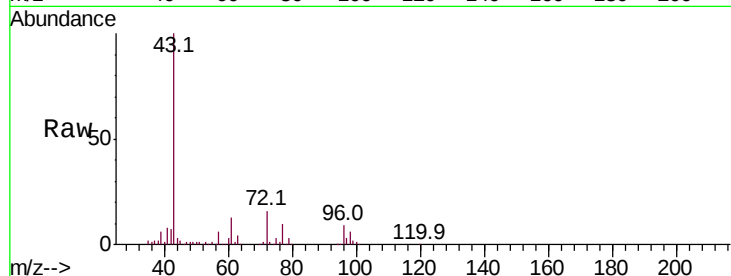
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1564474

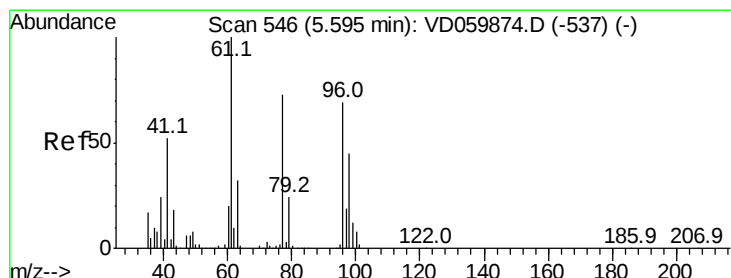
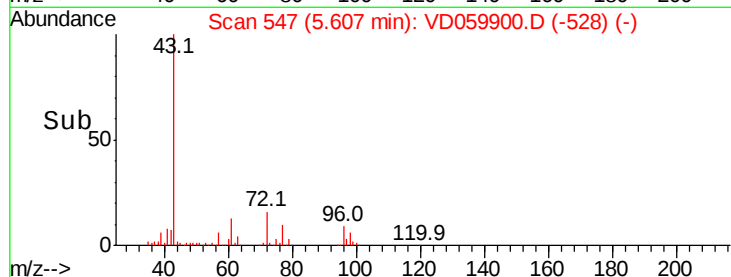
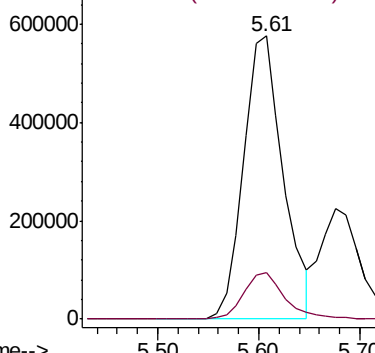
Ion Ratio Lower Upper

43 100

72 16.3 12.3 18.5



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



#26

2,2-Dichloropropane

Concen: 53.651 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059900.D

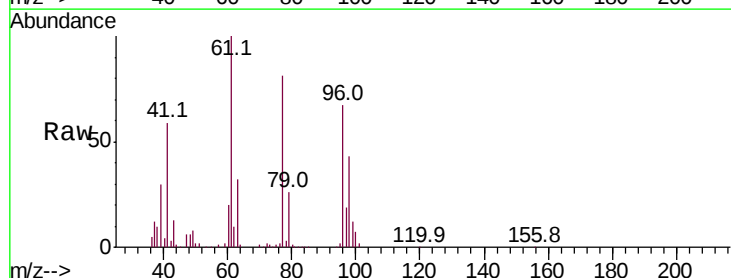
Acq: 24 Aug 2018 11:46

Tgt Ion: 77 Resp: 1020433

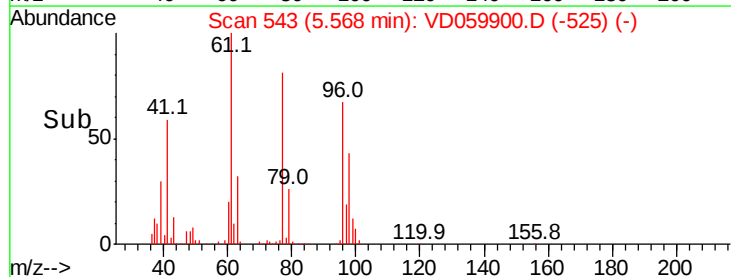
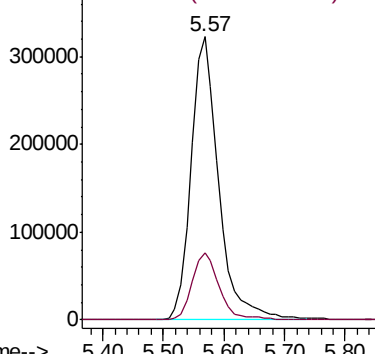
Ion Ratio Lower Upper

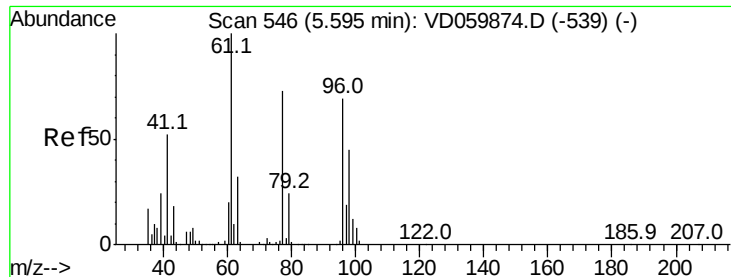
77 100

97 23.8 13.0 38.9



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



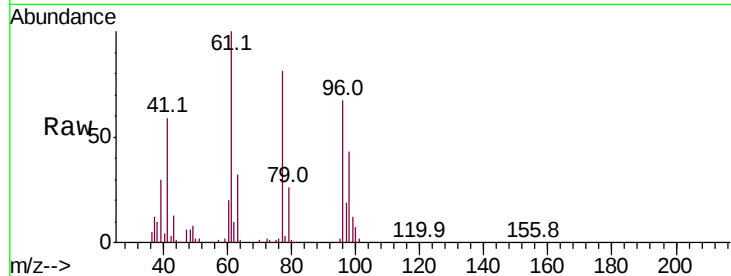


#27

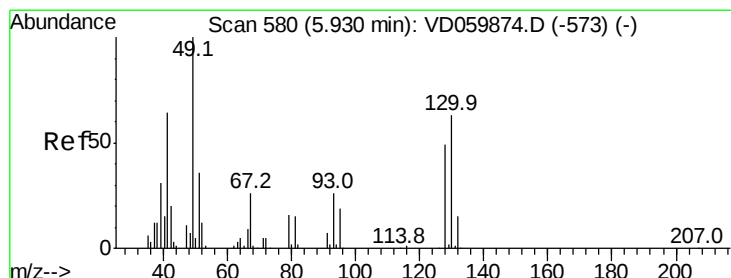
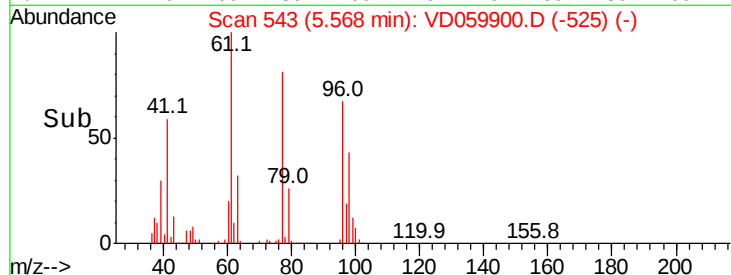
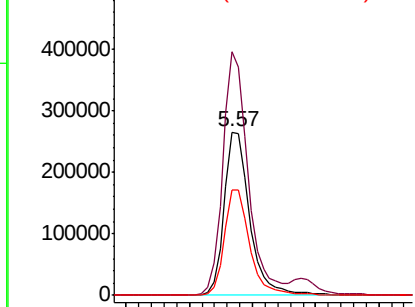
cis-1,2-Dichloroethene
Concen: 54.174 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.2
98	64.3	0.0	130.4



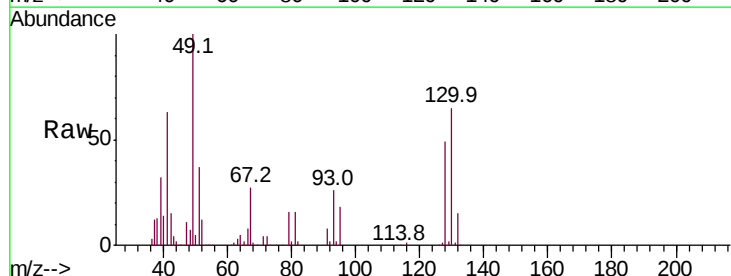
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



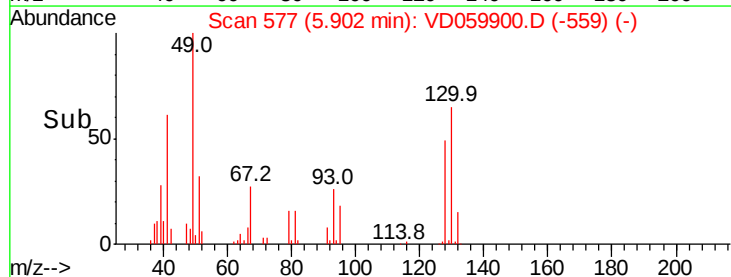
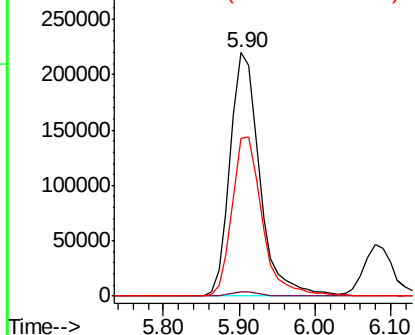
#28

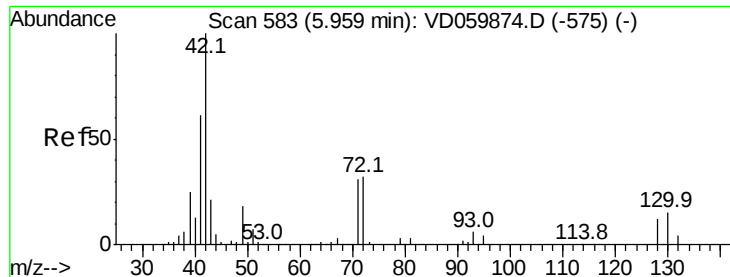
Bromochloromethane
Concen: 54.680 ug/l
RT: 5.90 min Scan# 577
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	64.7	50.6	75.8



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





#29

Tetrahydrofuran

Concen: 248.738 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

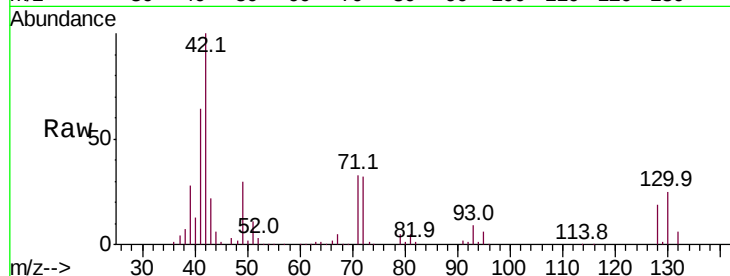
Tot Ion: 42 Resp: 701943

Ion Ratio Lower Upper

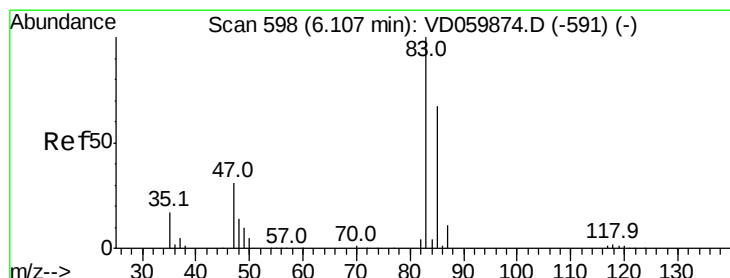
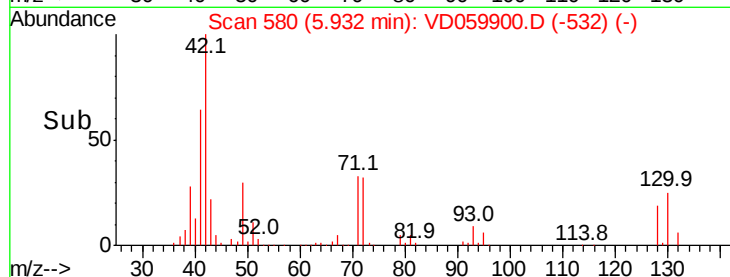
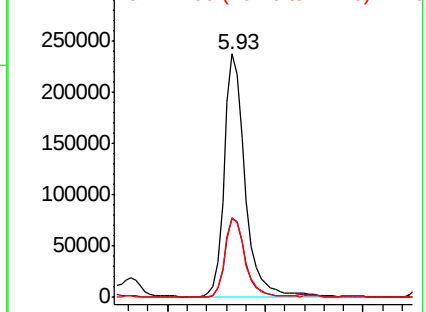
42 100

72 32.1 25.7 38.5

71 31.9 25.3 37.9



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



#30

Chloroform

Concen: 54.934 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.03 min

Lab File: VD059900.D

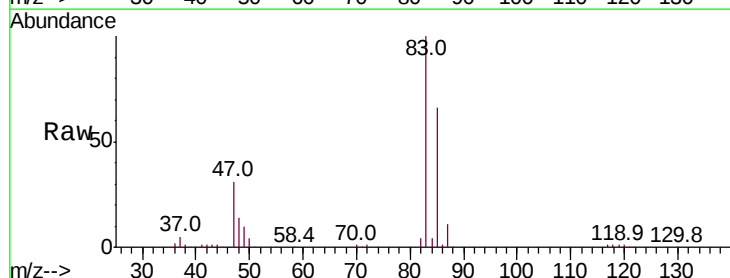
Acq: 24 Aug 2018 11:46

Tgt Ion: 83 Resp: 1270193

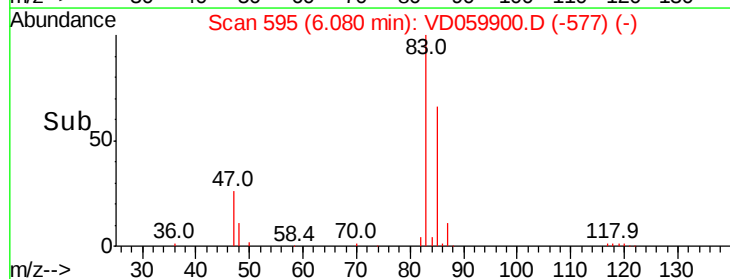
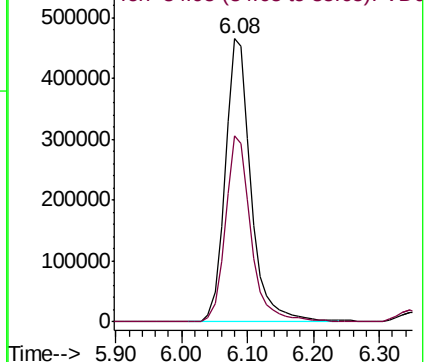
Ion Ratio Lower Upper

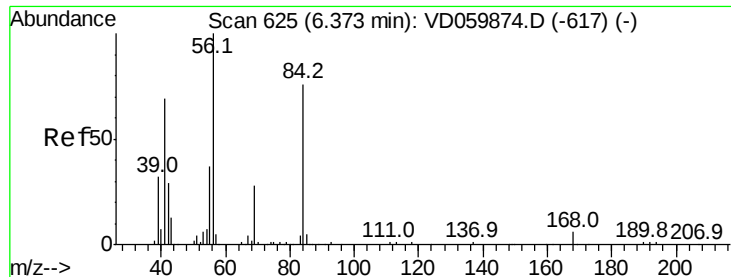
83 100

85 65.6 53.5 80.3



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

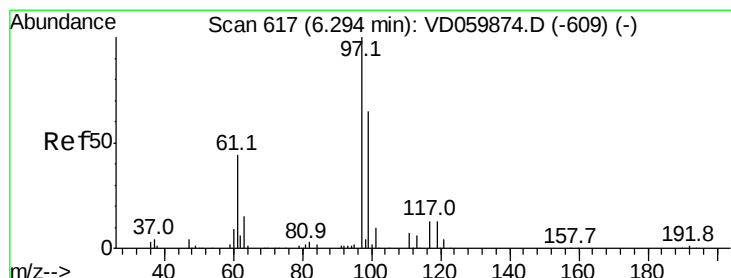
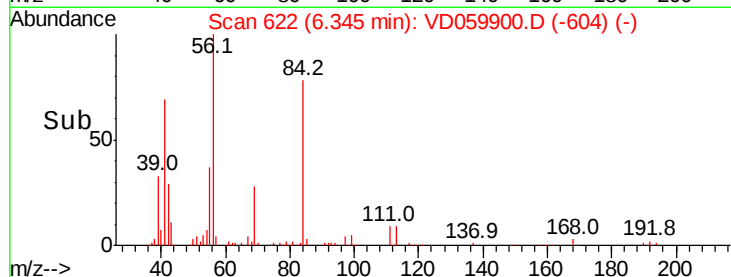
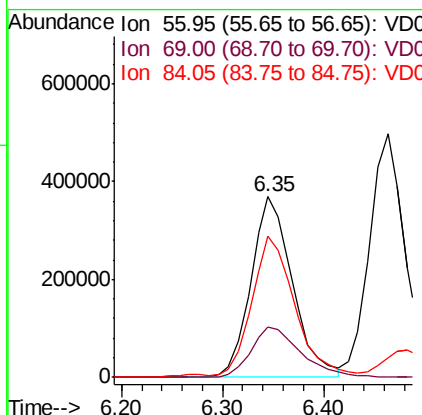
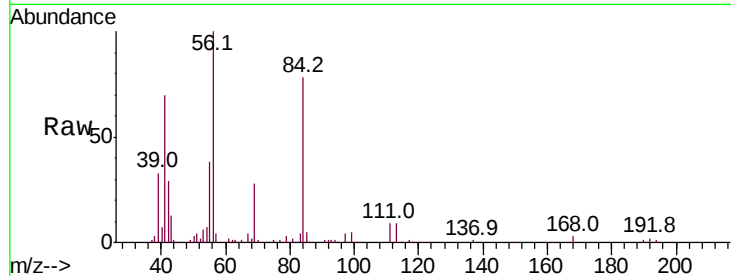




#31
Cyclohexane
Concen: 50.571 ug/l
RT: 6.35 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

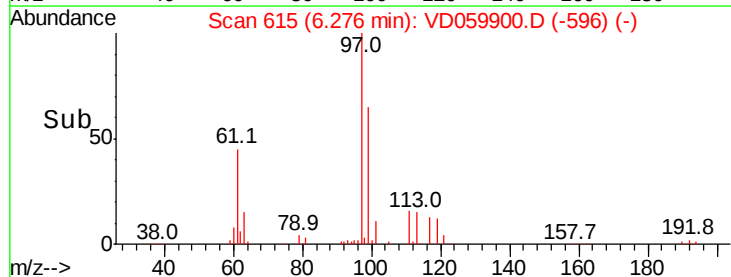
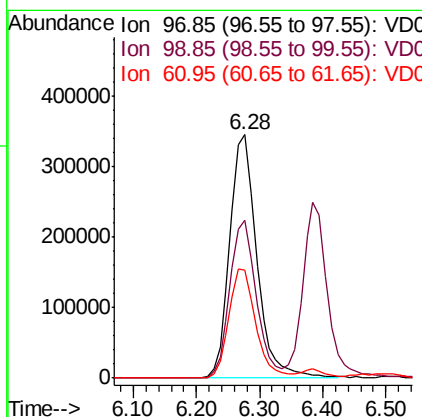
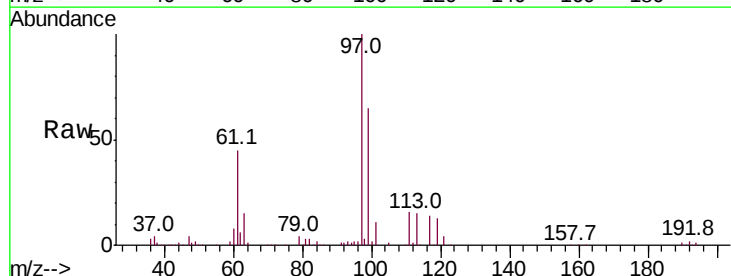
Instrument :
MSVOA_D
ClientSampleId :

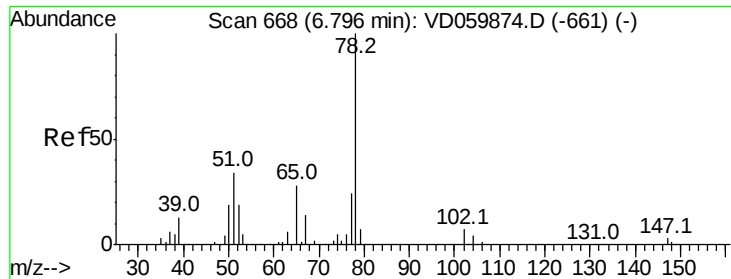
Tot Ion: 56 Resp: 1057780
Ion Ratio Lower Upper
56 100
69 27.6 22.4 33.6
84 77.8 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 52.354 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 97 Resp: 1027408
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 44.5 35.4 53.2

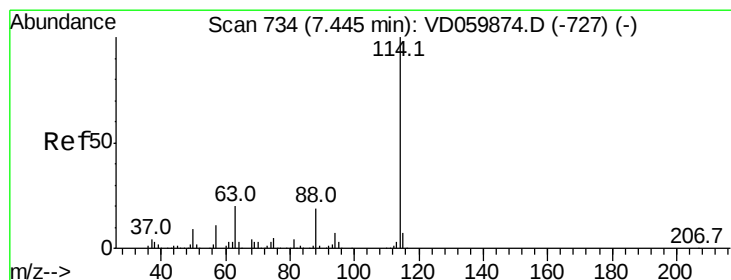
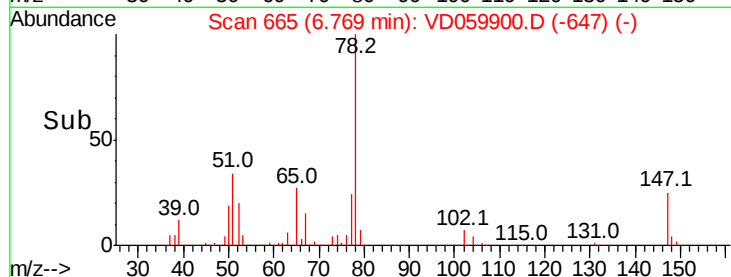
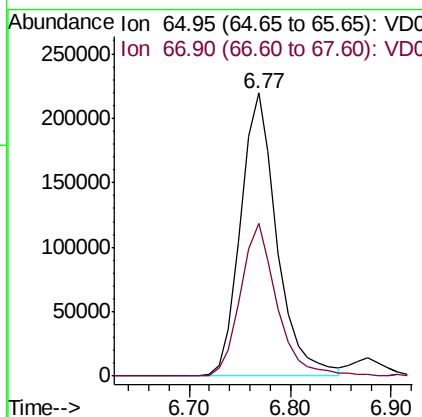
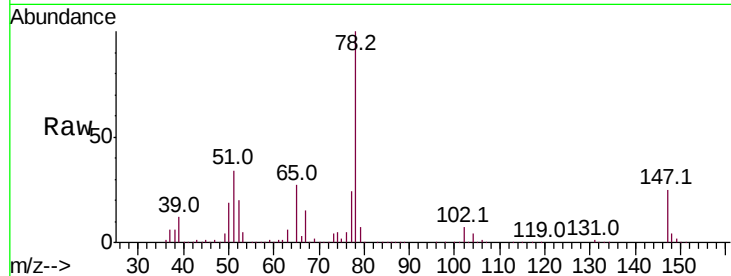




#33
 1,2-Dichloroethane-d4
 Concen: 52.354 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

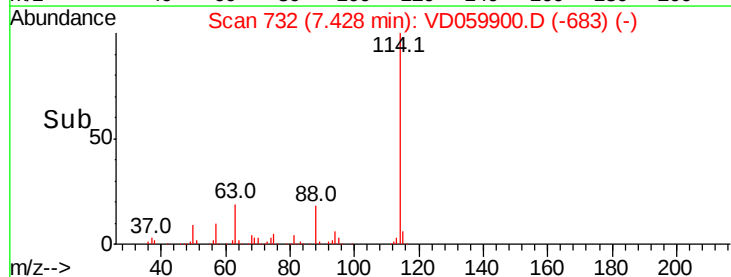
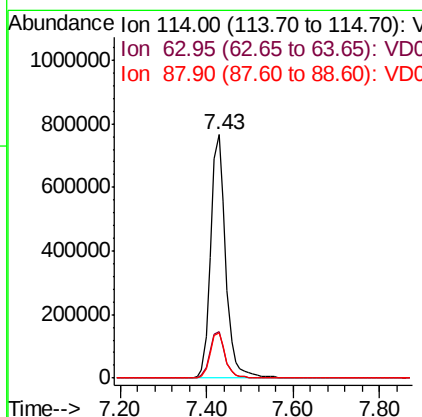
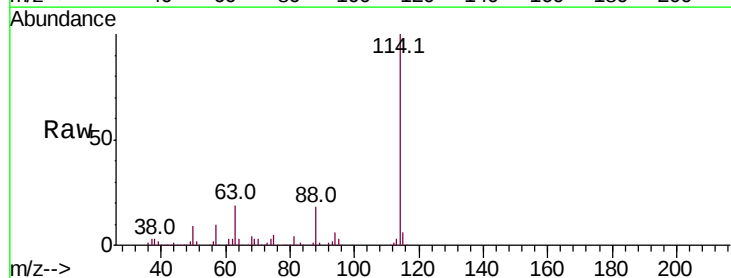
Instrument :
 MSVOA_D
 ClientSampleId :

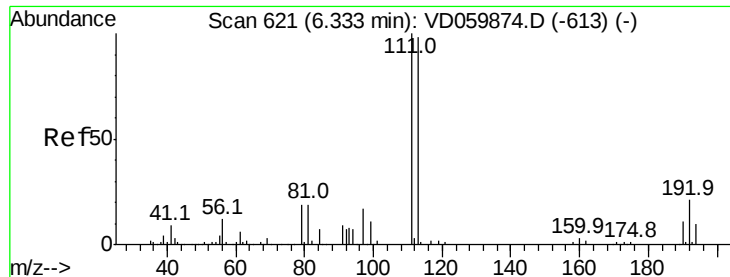
Tot Ion: 65 Resp: 551655
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion: 114 Resp: 1838735
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 18.4 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

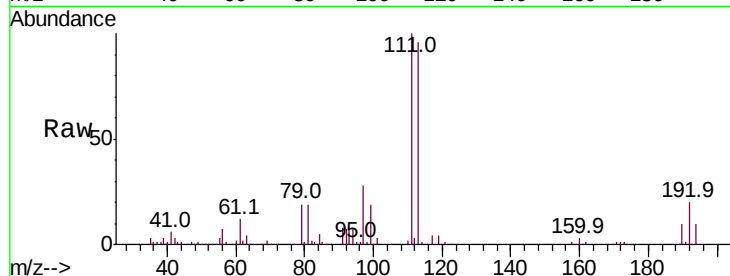
Tot Ion:113 Resp: 745351

Ion Ratio Lower Upper

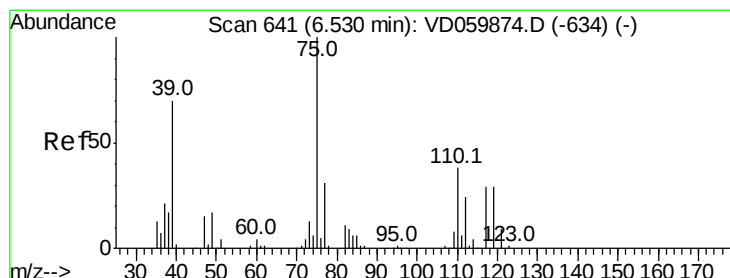
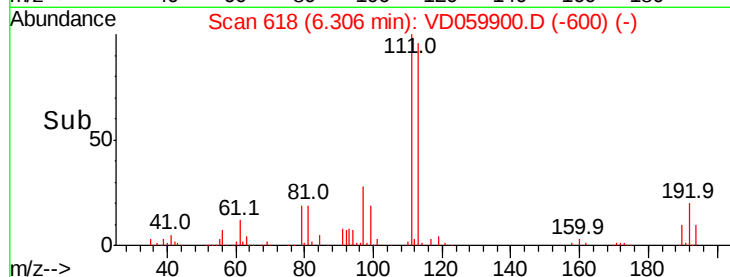
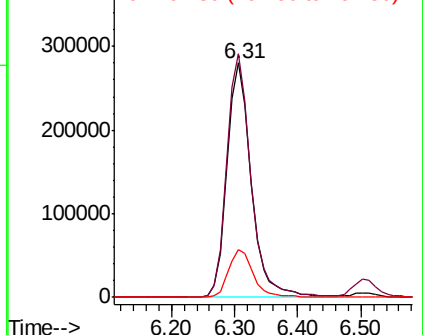
113 100

111 103.9 81.4 122.2

192 20.6 17.0 25.6



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



#36

1,1-Dichloropropene

Concen: 52.977 ug/l

RT: 6.50 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

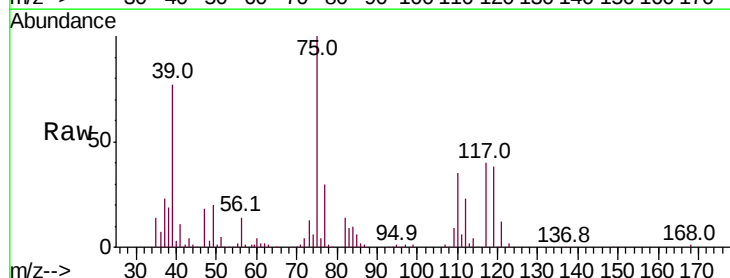
Tgt Ion: 75 Resp: 883043

Ion Ratio Lower Upper

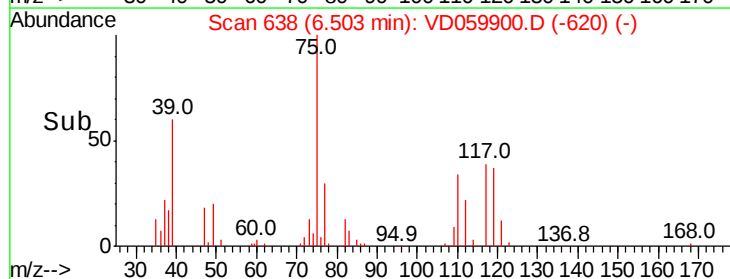
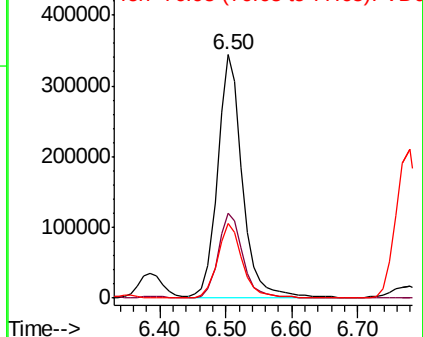
75 100

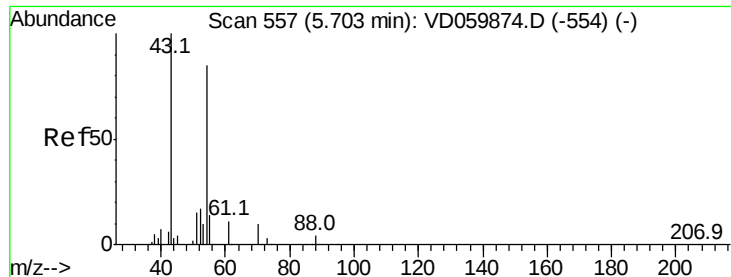
110 34.9 18.6 56.0

77 30.5 25.1 37.7



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

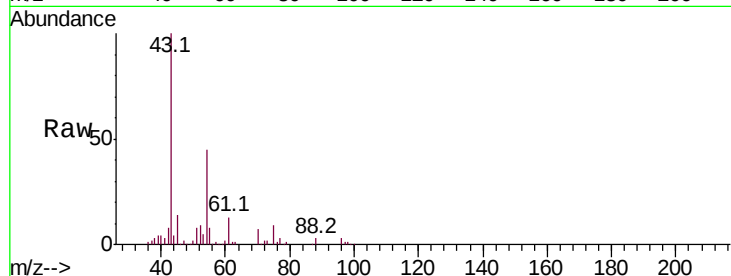




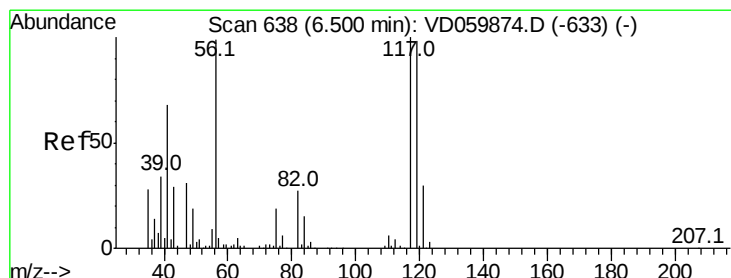
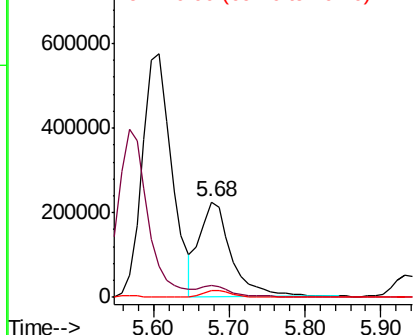
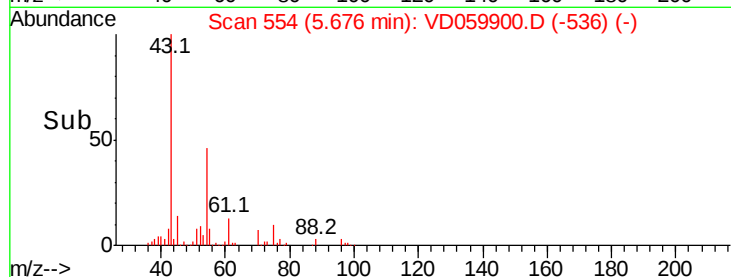
#37
Ethyl Acetate
Concen: 50.091 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 649708
Ion Ratio Lower Upper
43 100
61 12.7 11.0 16.6
70 7.2 5.7 8.5

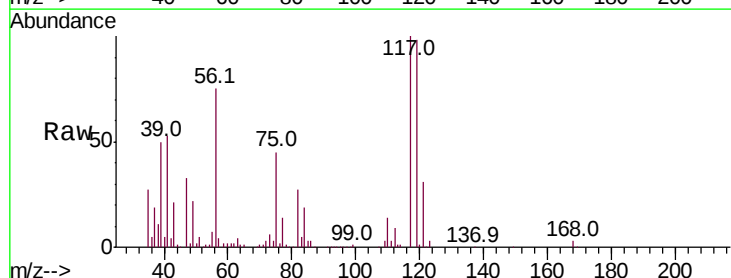


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

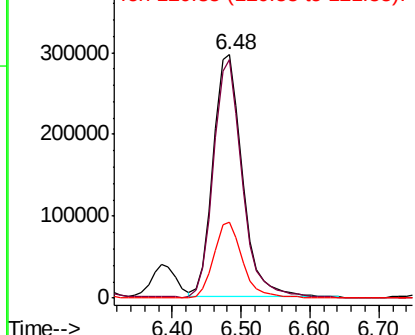
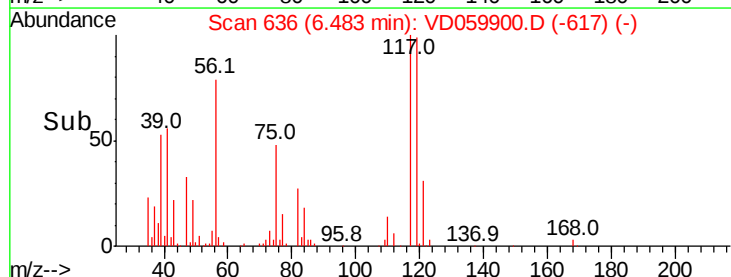


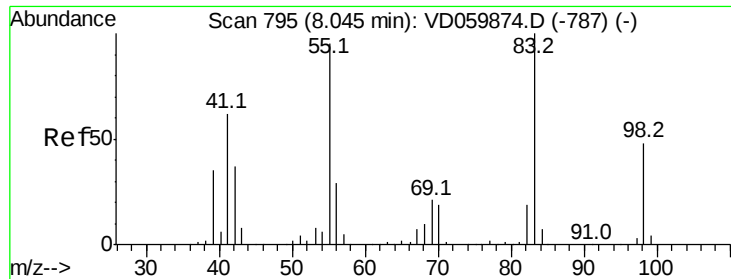
#38
Carbon Tetrachloride
Concen: 51.769 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 117 Resp: 870813
Ion Ratio Lower Upper
117 100
119 98.2 77.2 115.8
121 31.1 24.0 36.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

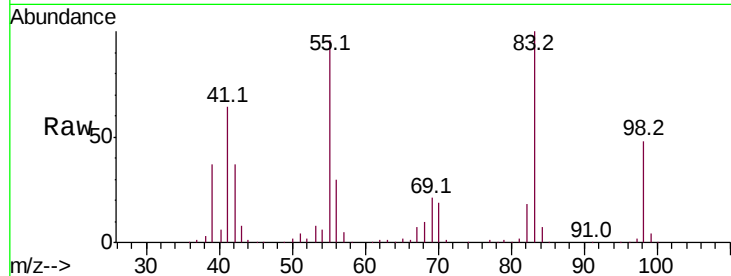




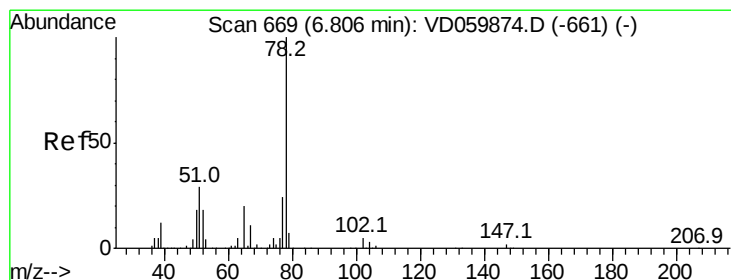
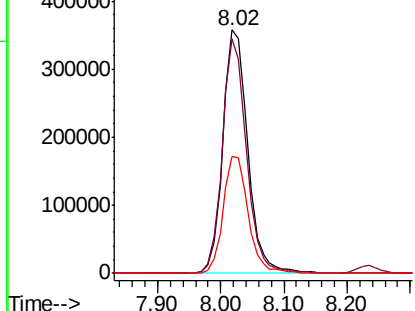
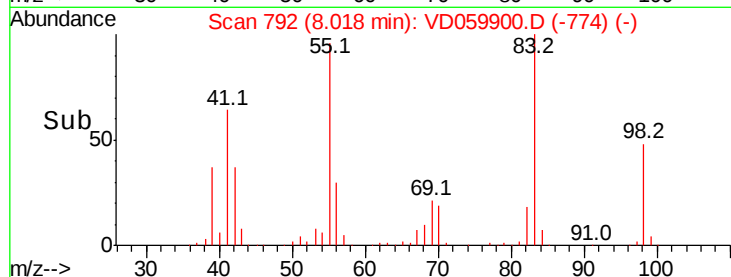
#39
Methvlcvclohexane
Concen: 54.279 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 977504
Ion Ratio Lower Upper
83 100
55 96.3 75.8 113.6
98 48.0 38.3 57.5

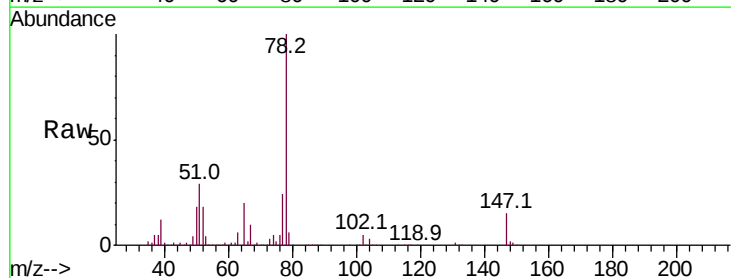


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

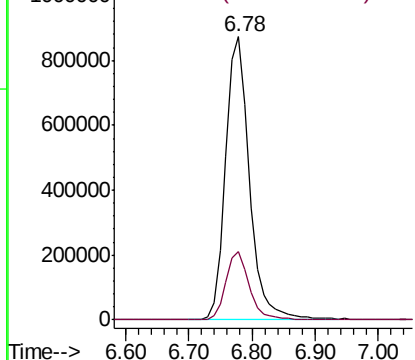
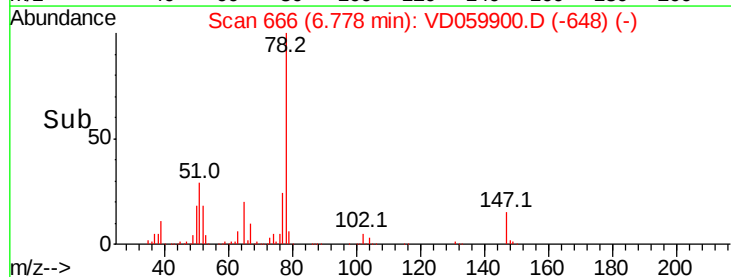


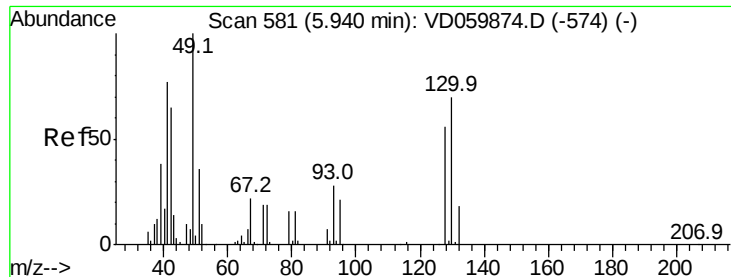
#40
Benzene
Concen: 52.875 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 78 Resp: 2291630
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



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

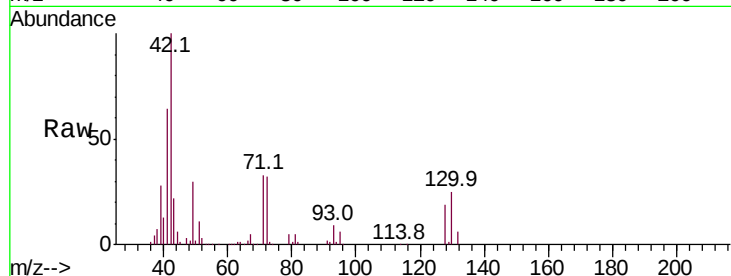




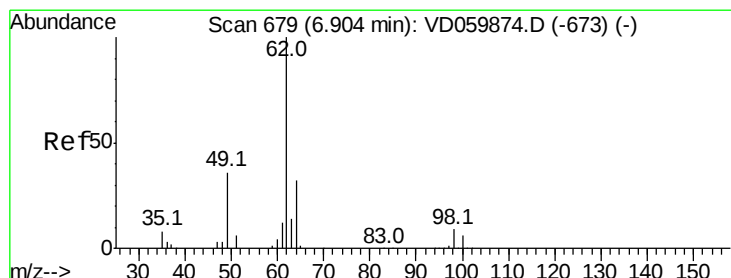
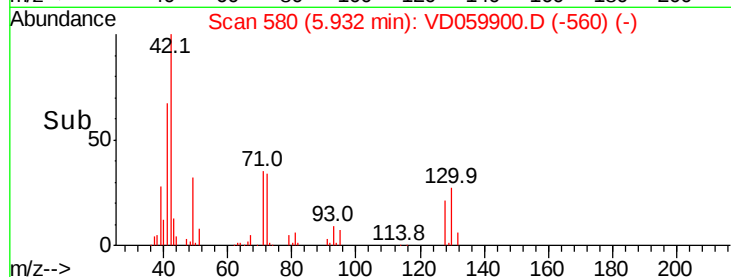
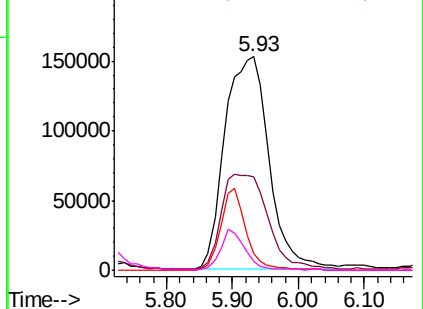
#41
Methacrylonitrile
Concen: 109.831 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.7	39.4	59.2
67	7.7	22.2	33.2#
52	4.2	10.1	15.1#

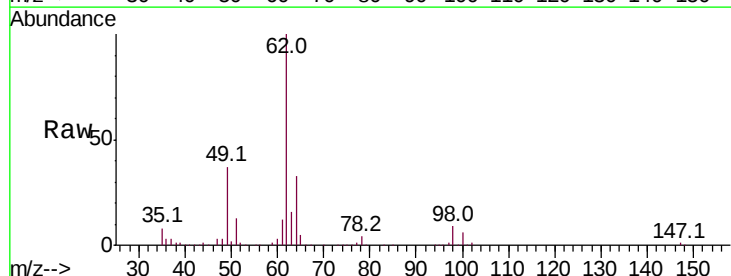


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

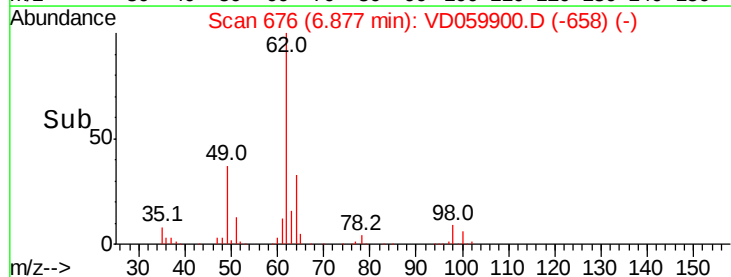
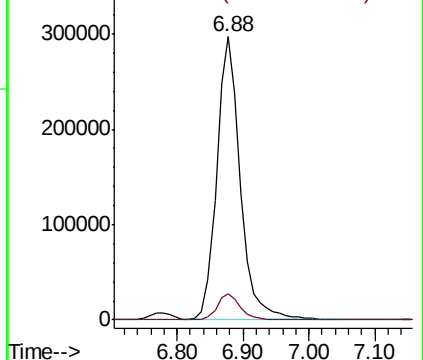


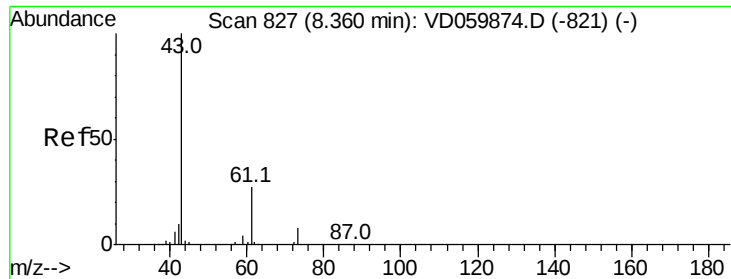
#42
1,2-Dichloroethane
Concen: 52.504 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.03 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



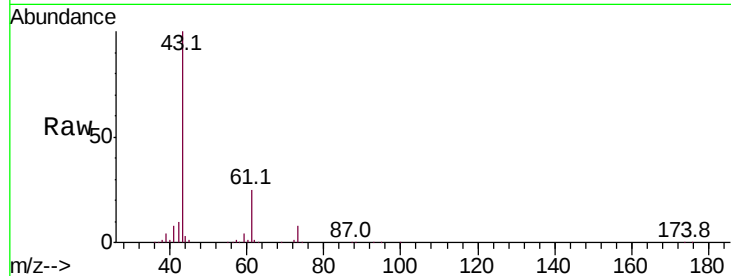


#43

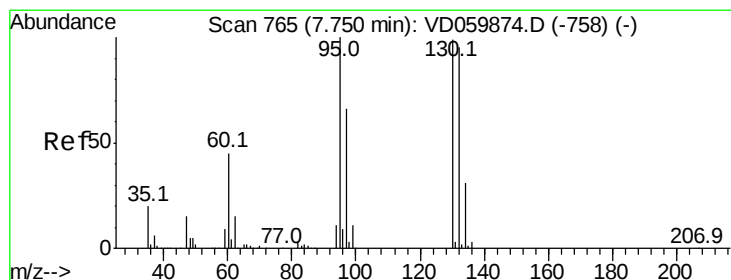
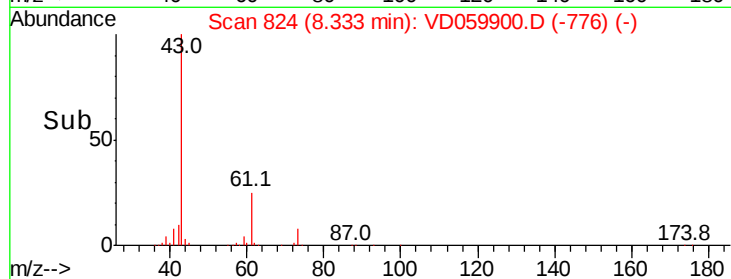
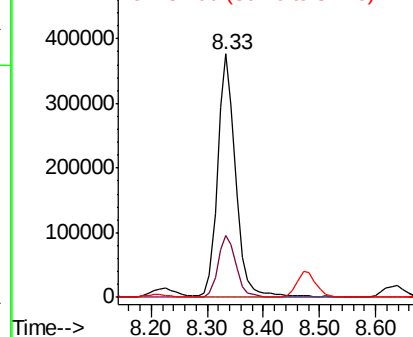
Isopropyl Acetate
 Concen: 50.009 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 843863
 Ion Ratio Lower Upper
 43 100
 61 25.4 21.4 32.2
 87 0.3 0.2 0.4



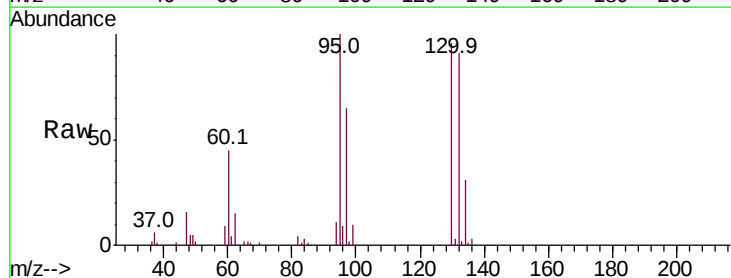
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



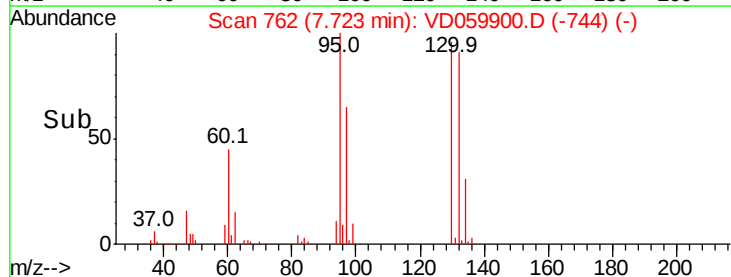
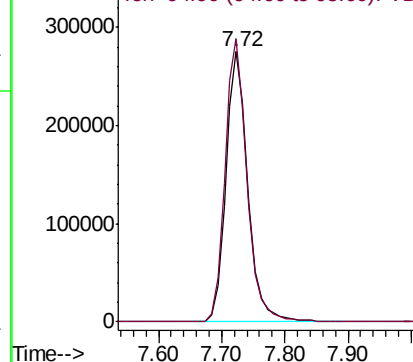
#44

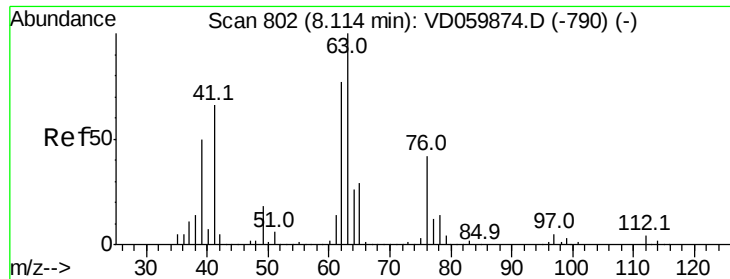
Trichloroethene
 Concen: 51.730 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion:130 Resp: 660129
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 202.0



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

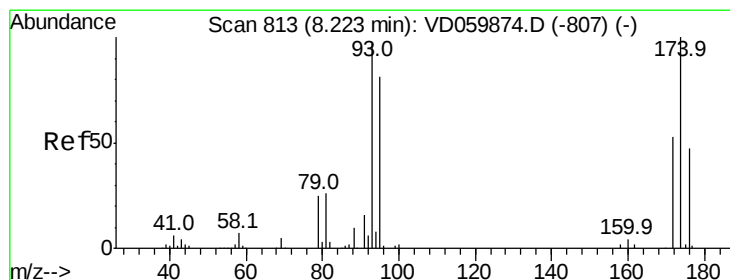
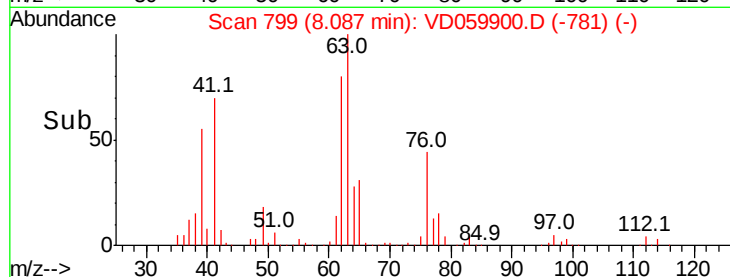
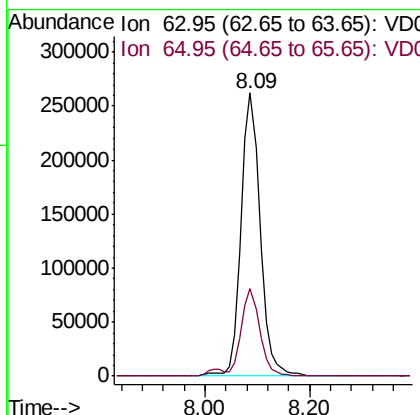
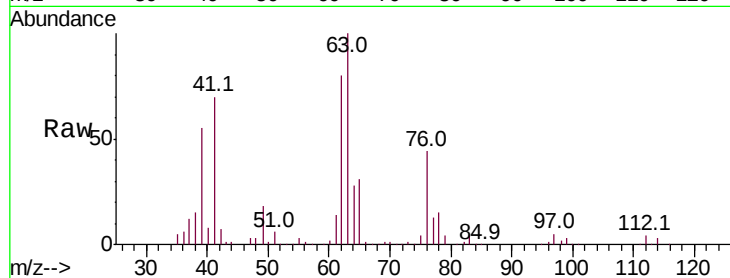




#45
 1,2-Dichloropropane
 Concen: 52.980 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

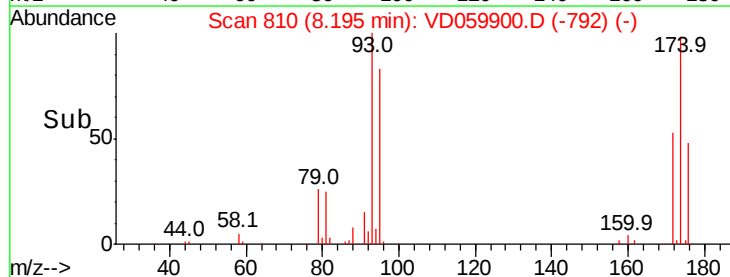
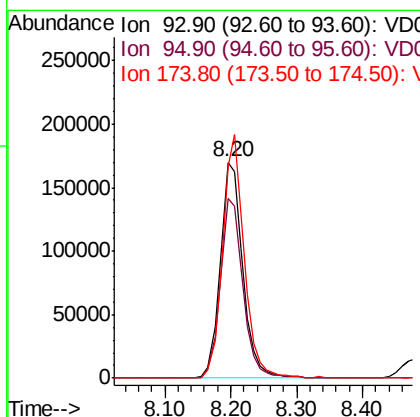
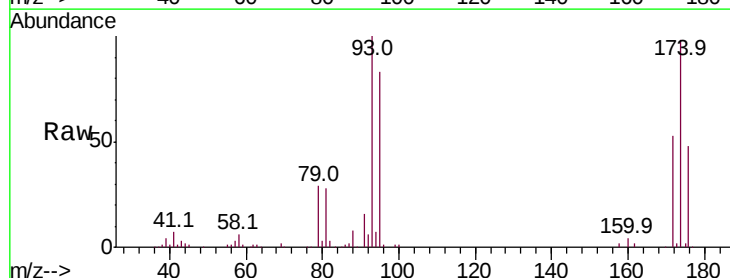
Instrument :
 MSVOA_D
 ClientSampleId :

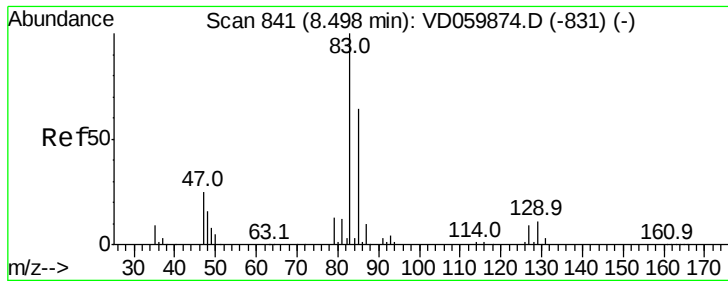
Tot Ion: 63 Resp: 641821
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.5 35.3



#46
 Dibromomethane
 Concen: 51.990 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion: 93 Resp: 404976
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 98.4 82.4 123.6





#47

Bromodichloromethane

Concen: 53.306 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

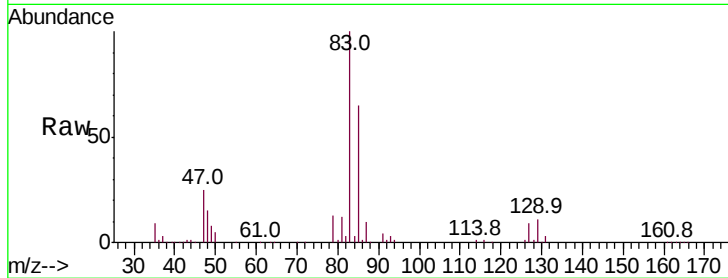
Tot Ion: 83 Resp: 940009

Ion Ratio Lower Upper

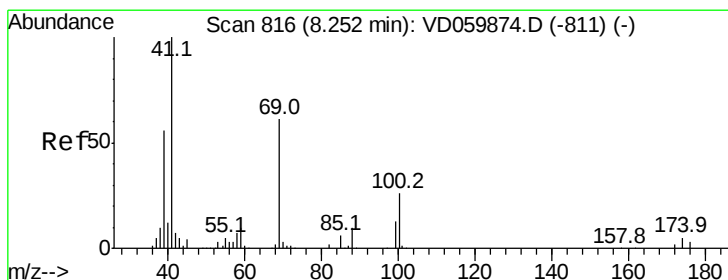
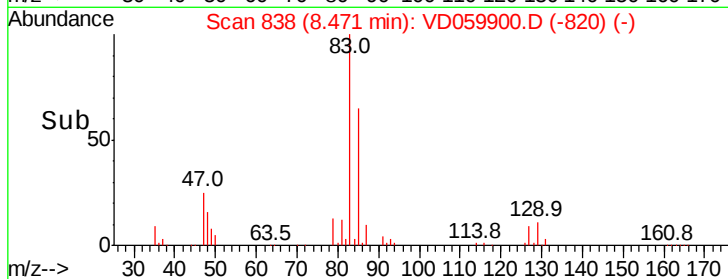
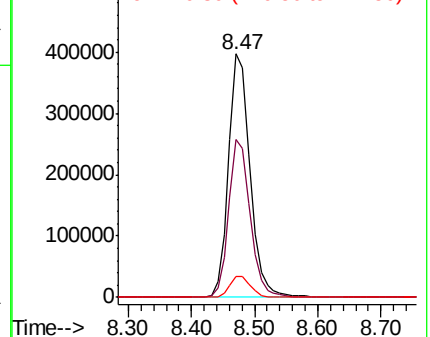
83 100

85 64.8 51.3 76.9

127 8.5 7.0 10.4



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



#48

Methyl methacrylate

Concen: 50.446 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

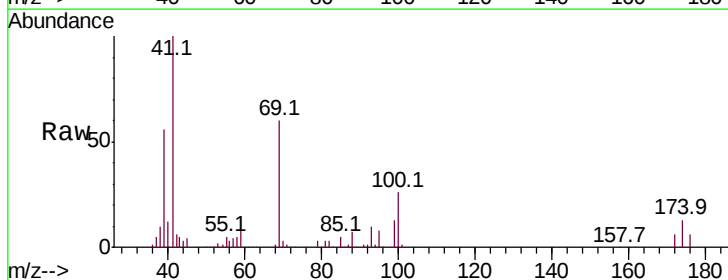
Tgt Ion: 41 Resp: 496210

Ion Ratio Lower Upper

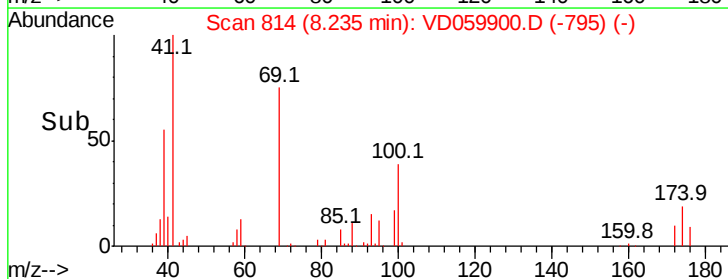
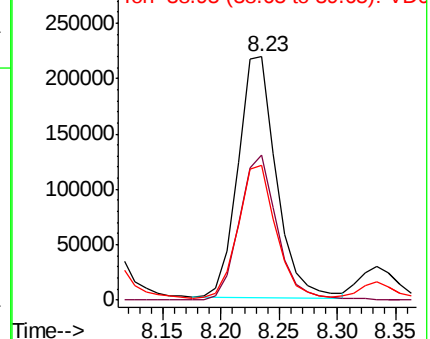
41 100

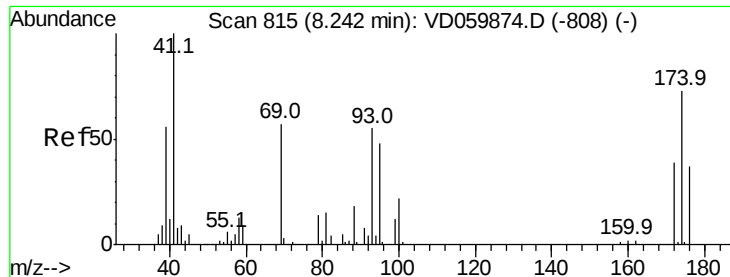
69 59.7 48.0 72.0

39 55.5 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1004.836 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

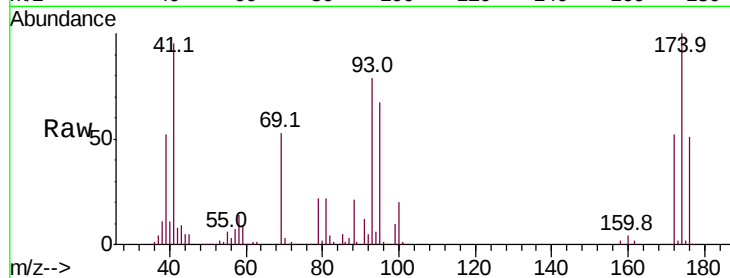
Tot Ion: 88 Resp: 88244

Ion Ratio Lower Upper

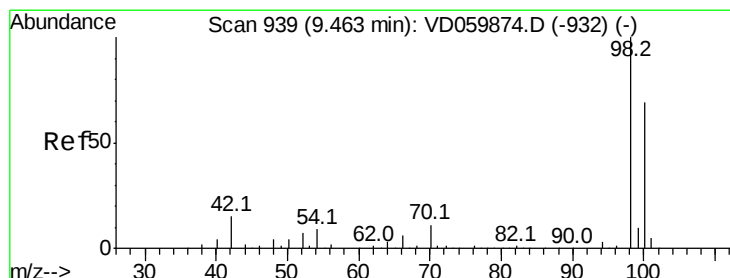
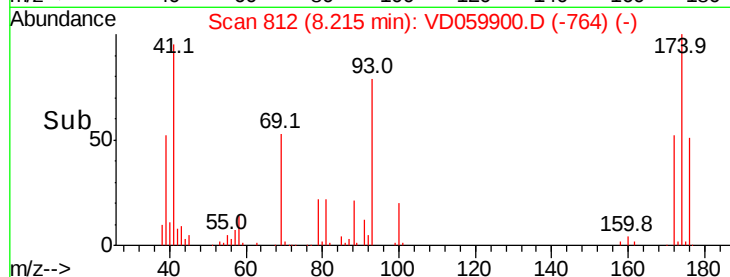
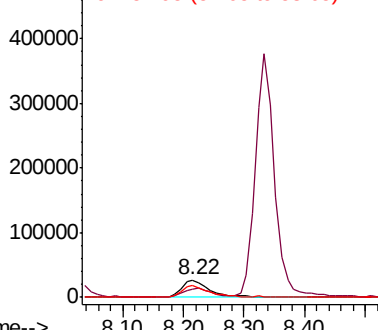
88 100

43 45.2 45.0 67.6

58 68.6 55.8 83.8



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



#50

Toluene-d8

Concen: 1004.836 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059900.D

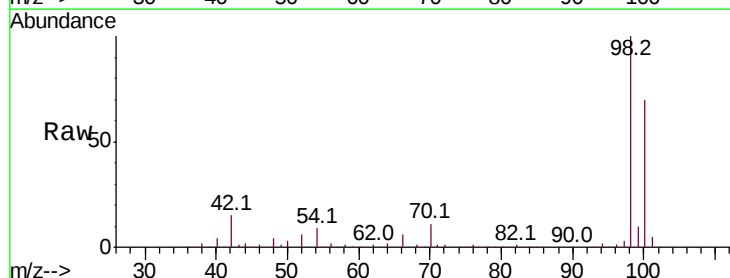
Acq: 24 Aug 2018 11:46

Tgt Ion: 98 Resp: 2099894

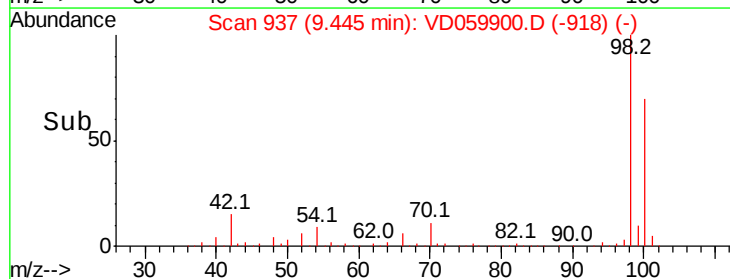
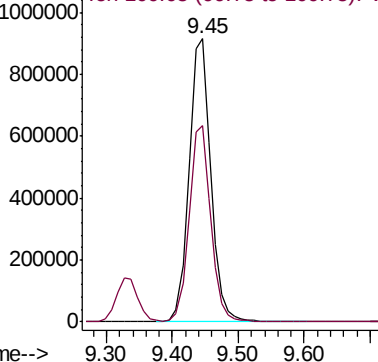
Ion Ratio Lower Upper

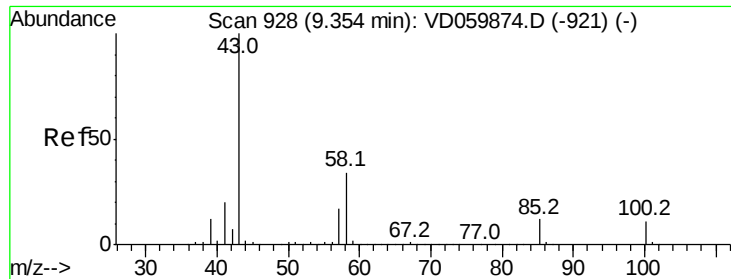
98 100

100 69.5 55.8 83.6



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





#51

4-Methyl-2-Pentanone

Concen: 262.295 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

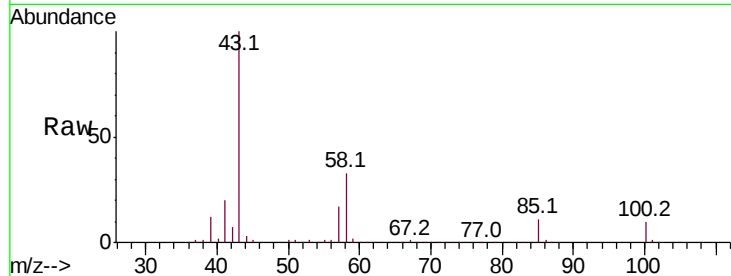
ClientSampleId :

Tot Ion: 43 Resp: 3299686

Ion Ratio Lower Upper

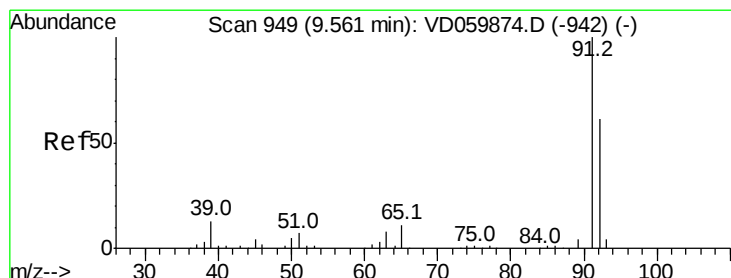
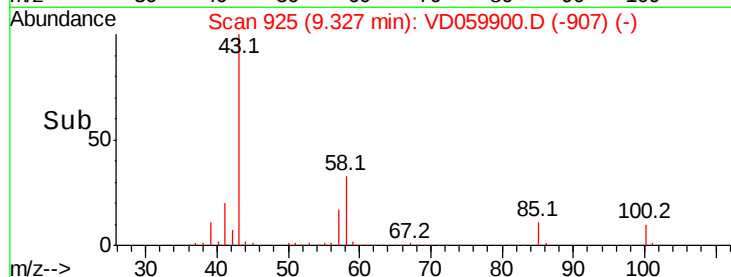
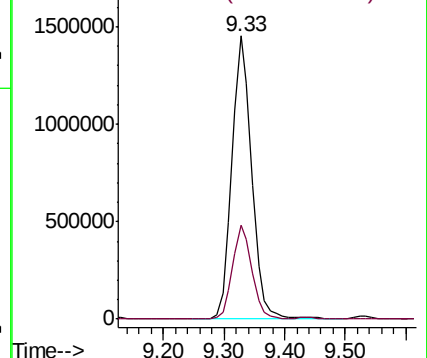
43 100

58 33.0 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.942 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059900.D

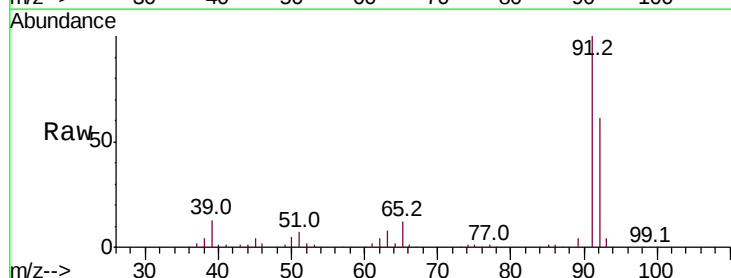
Acq: 24 Aug 2018 11:46

Tgt Ion: 92 Resp: 1499125

Ion Ratio Lower Upper

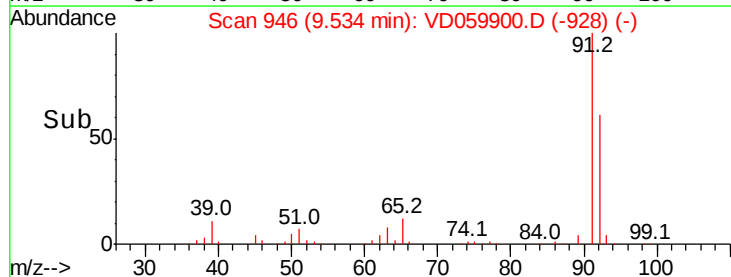
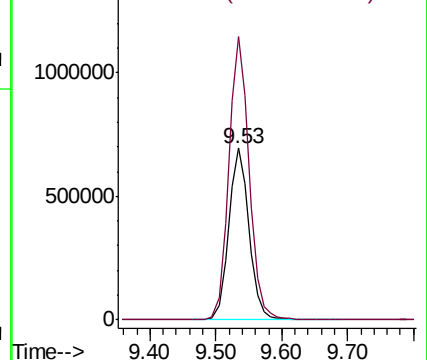
92 100

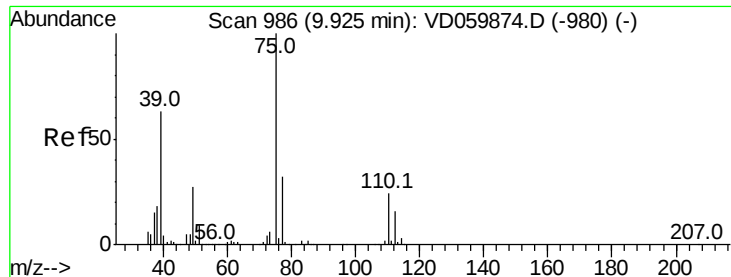
91 165.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

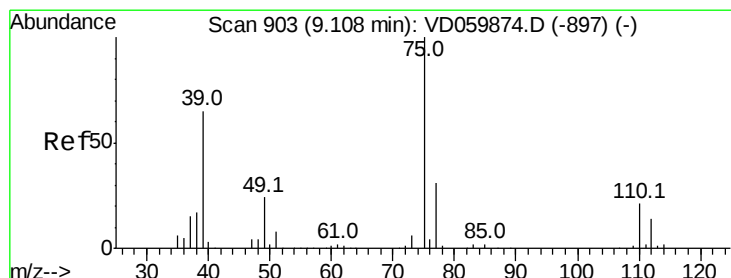
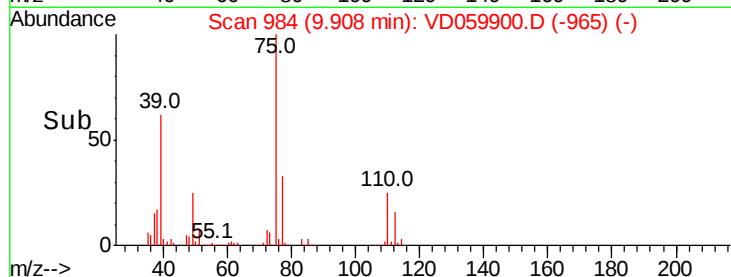
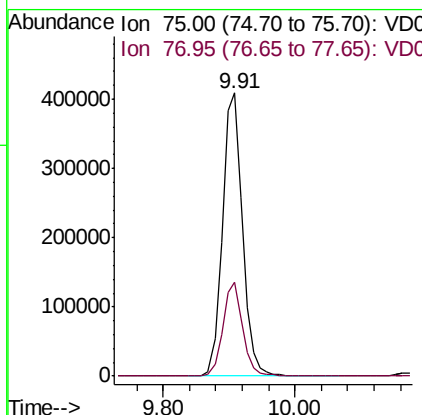
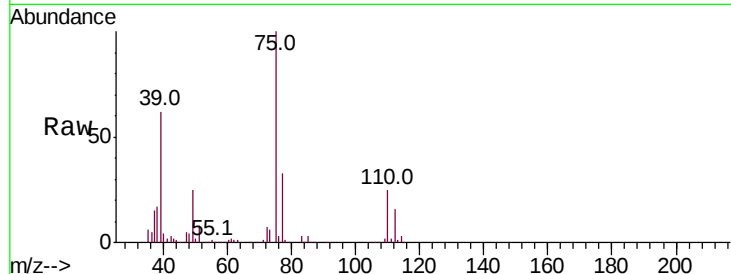




#53
t-1,3-Dichloropropene
Concen: 53.146 ug/l
RT: 9.91 min Scan# 984
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

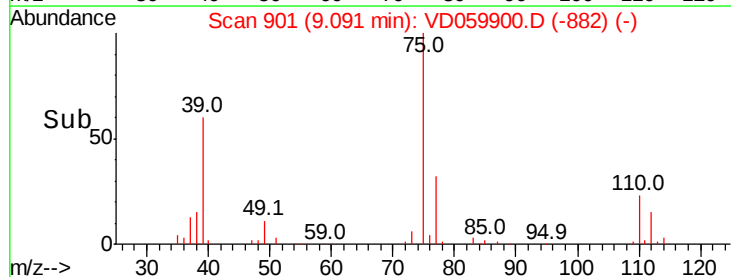
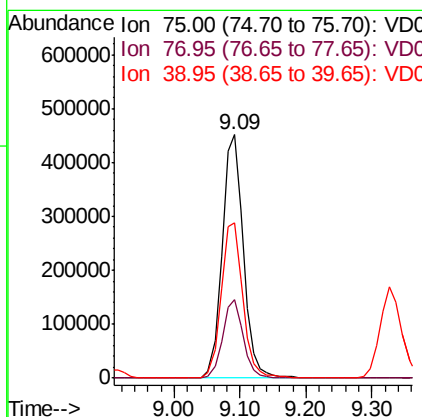
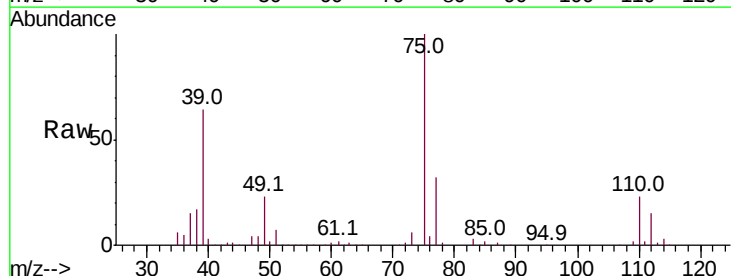
Instrument :
MSVOA_D
ClientSampled :

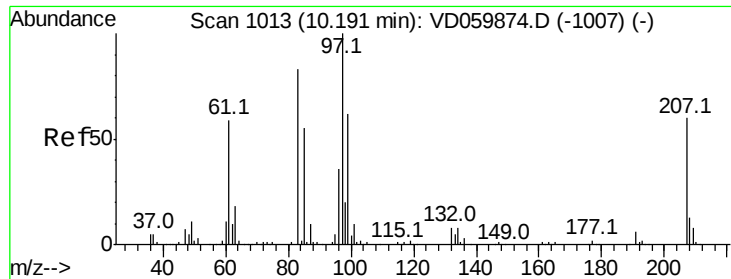
Tot Ion: 75 Resp: 866830
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 53.639 ug/l
RT: 9.09 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion: 75 Resp: 1014351
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2
39 63.8 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 48.598 ug/l

RT: 10.16 min Scan# 1010

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 493695

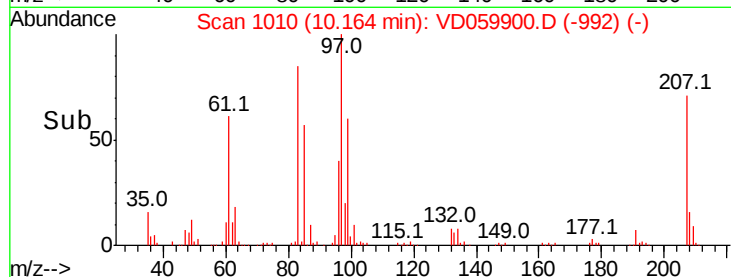
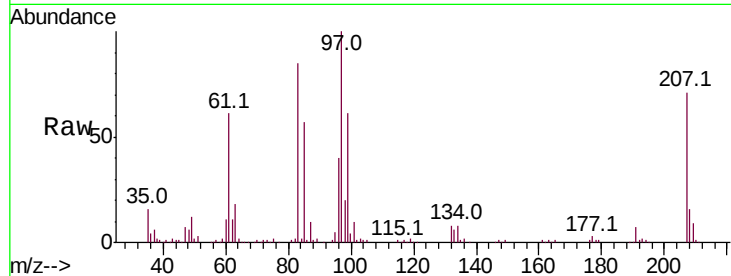
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.7	100.1
85	56.5	43.8	65.6
99	61.0	49.8	74.6

97 100

83 84.7 66.7 100.1

85 56.5 43.8 65.6

99 61.0 49.8 74.6

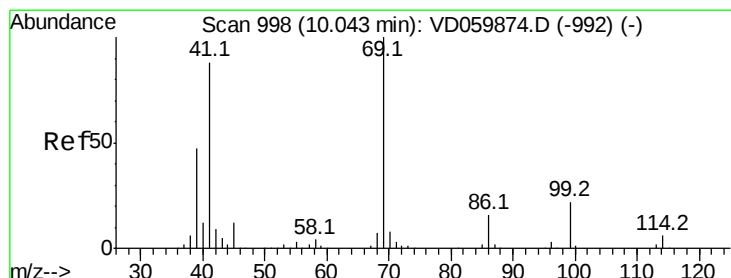
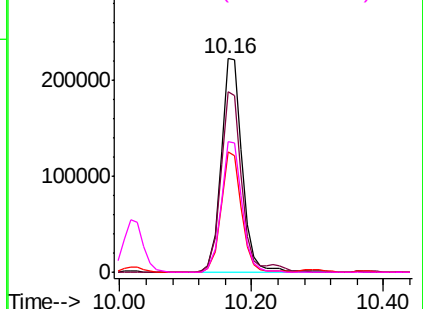


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 49.359 ug/l

RT: 10.02 min Scan# 995

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

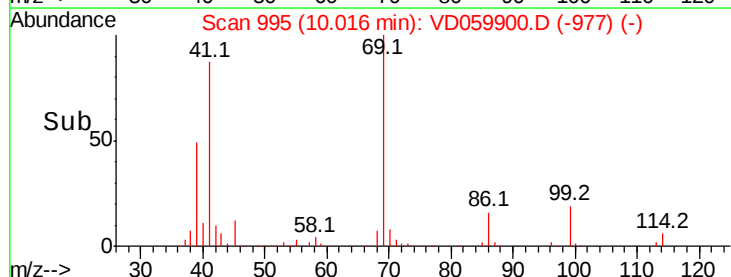
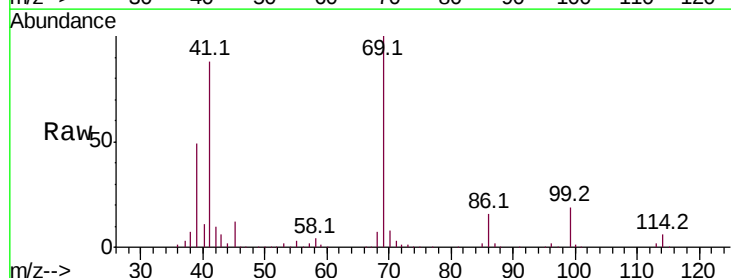
Tgt Ion: 69 Resp: 578699

Ion	Ratio	Lower	Upper
69	100		
41	87.5	71.0	106.4
39	49.5	38.5	57.7

69 100

41 87.5 71.0 106.4

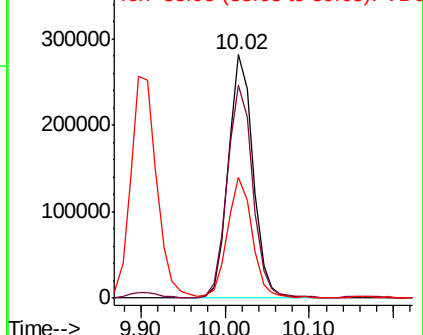
39 49.5 38.5 57.7

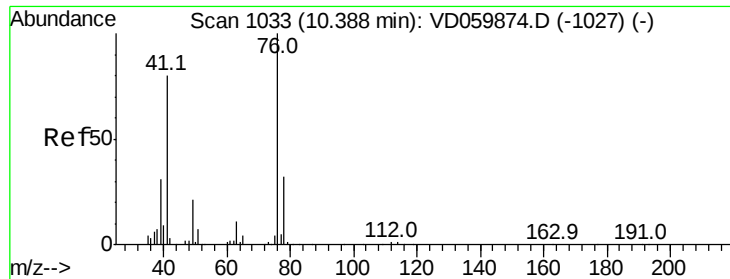


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

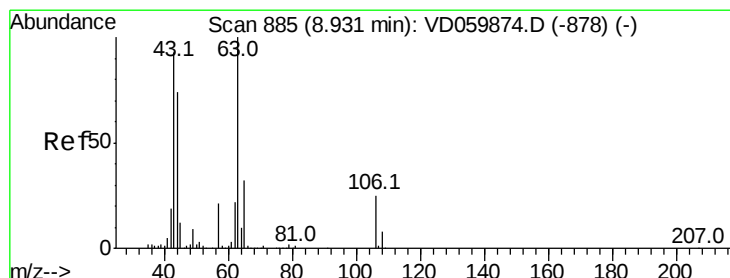
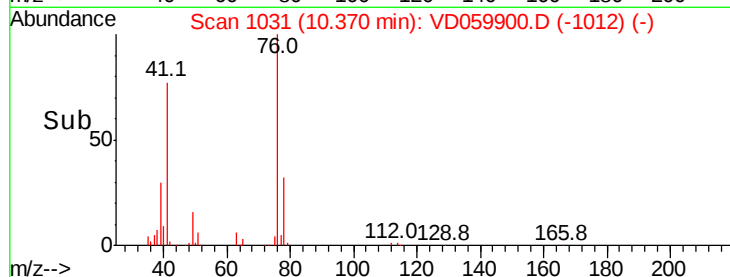
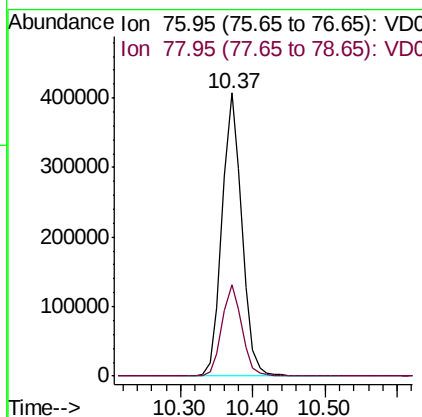
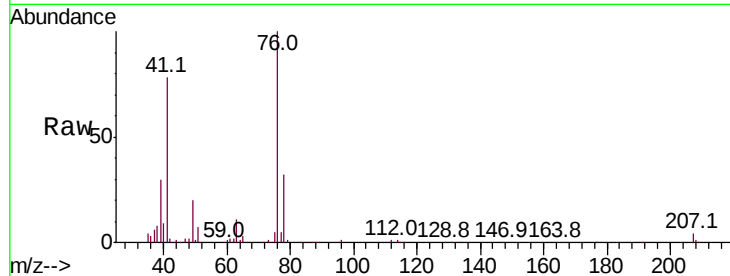




#57
 1,3-Dichloropropane
 Concen: 52.552 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

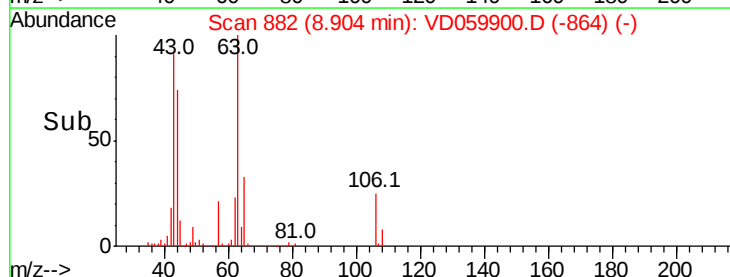
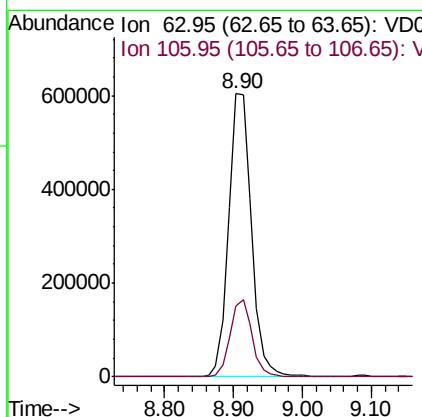
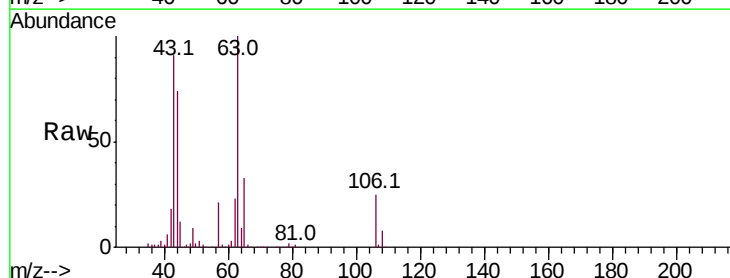
Instrument :
 MSVOA_D
 ClientSampleId :

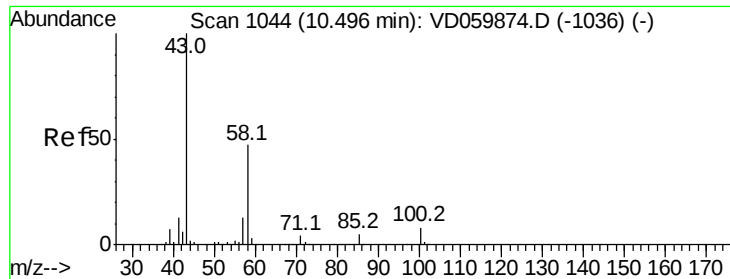
Tot Ion: 76 Resp: 772696
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.473 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion: 63 Resp: 1386242
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.1 30.1





#59

2-Hexanone

Concen: 254.324 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

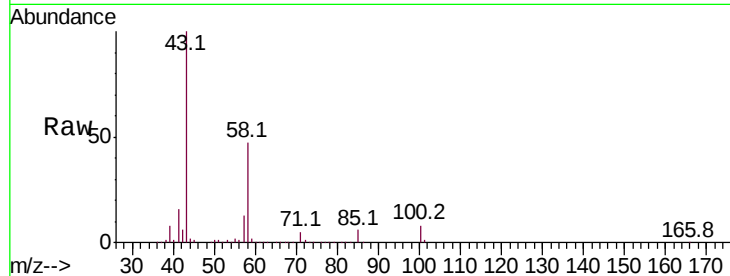
ClientSampled :

Tot Ion: 43 Resp: 2359831

Ion Ratio Lower Upper

43 100

58 47.0 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.48

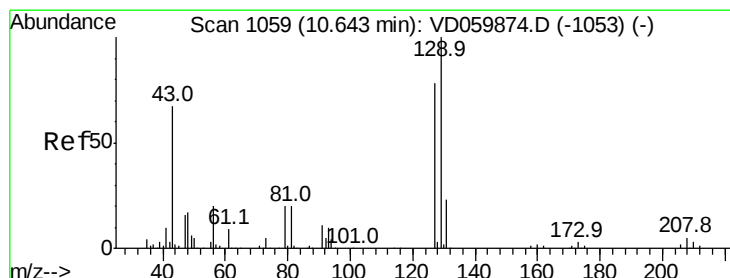
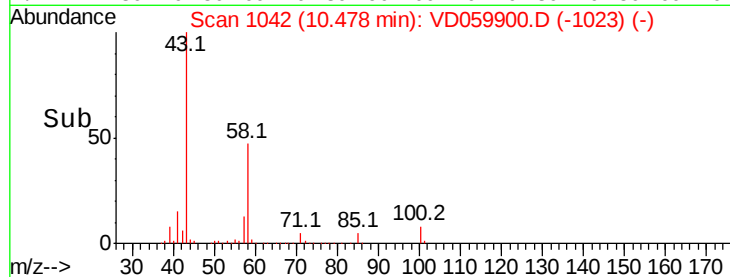
1500000

1000000

500000

0

Time-->



#60

Dibromochloromethane

Concen: 50.652 ug/l

RT: 10.63 min Scan# 1057

Delta R.T. -0.02 min

Lab File: VD059900.D

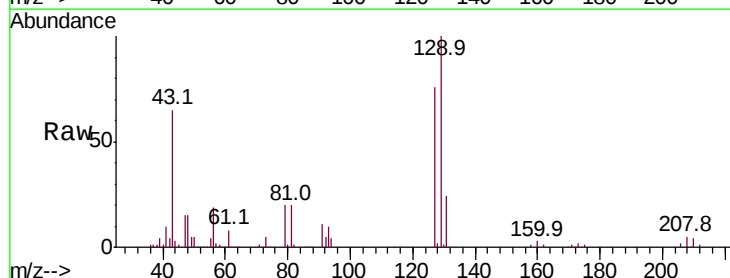
Acq: 24 Aug 2018 11:46

Tgt Ion:129 Resp: 646762

Ion Ratio Lower Upper

129 100

127 76.4 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

400000

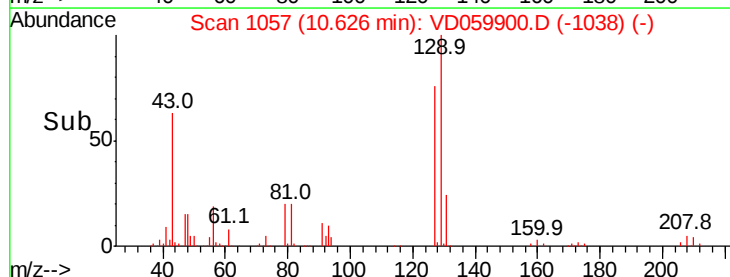
300000

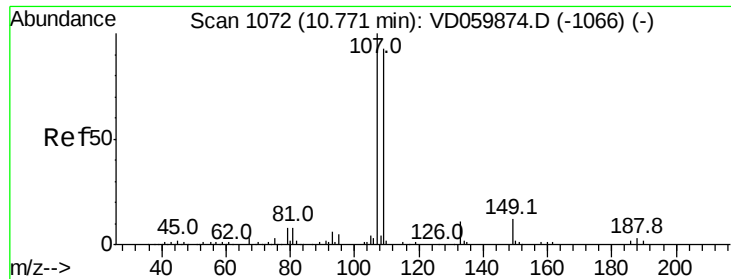
200000

100000

0

Time-->





#61

1,2-Dibromoethane

Concen: 49.742 ug/l

RT: 10.74 min Scan# 1069

Delta R.T. -0.03 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

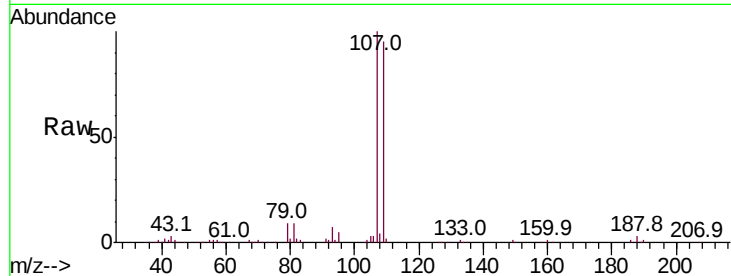
ClientSampleId :

Tot Ion:107 Resp: 510945

Ion Ratio Lower Upper

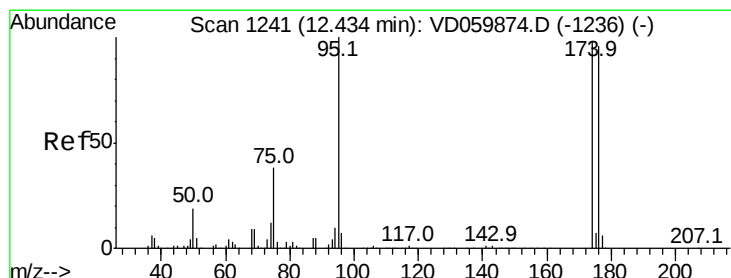
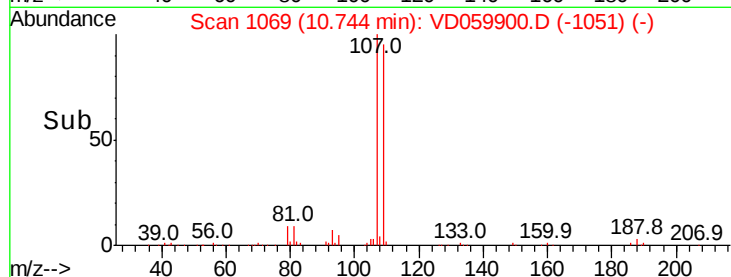
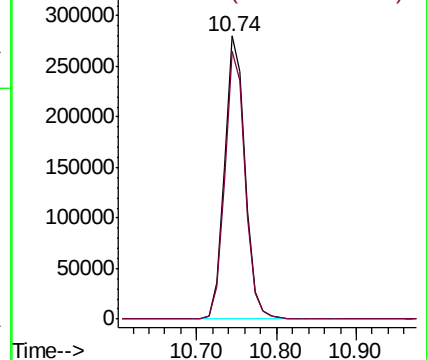
107 100

109 94.7 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.742 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

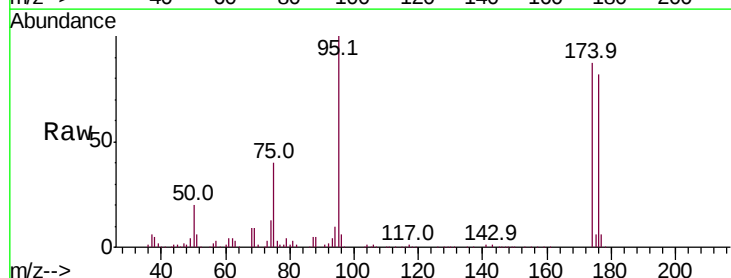
Tgt Ion: 95 Resp: 825364

Ion Ratio Lower Upper

95 100

174 86.9 0.0 195.6

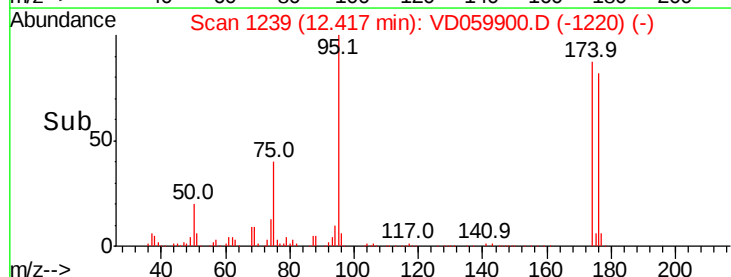
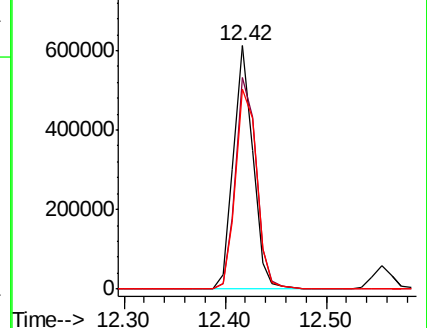
176 82.3 0.0 191.2

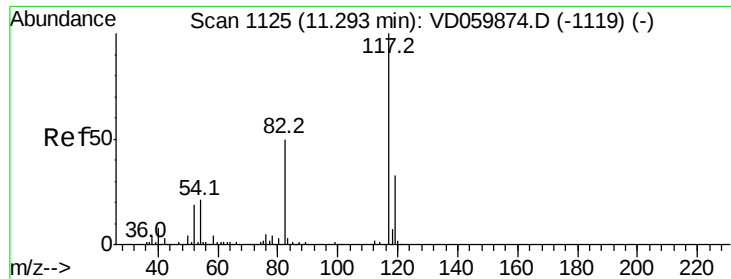


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

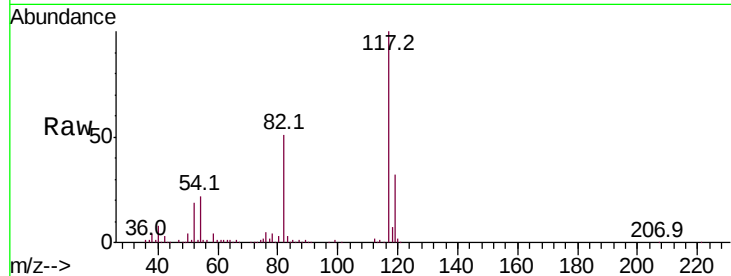




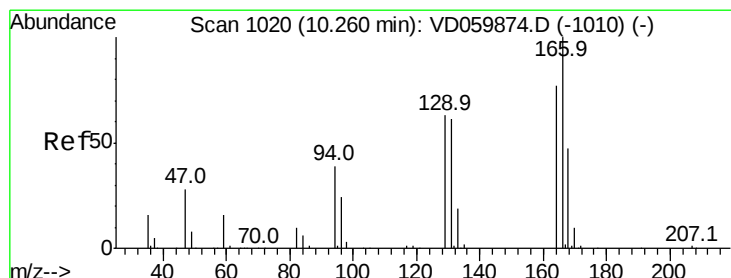
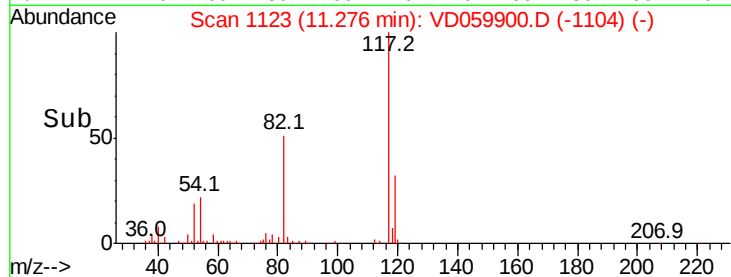
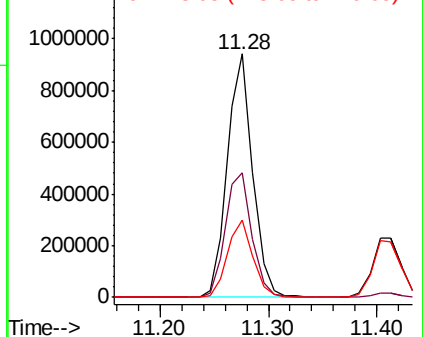
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1533471
Ion Ratio Lower Upper
117 100
82 51.2 40.1 60.1
119 31.9 26.7 40.1

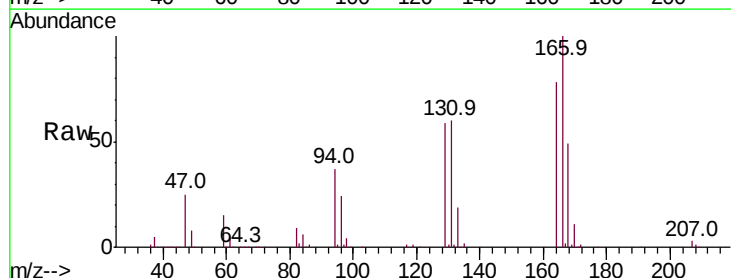


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

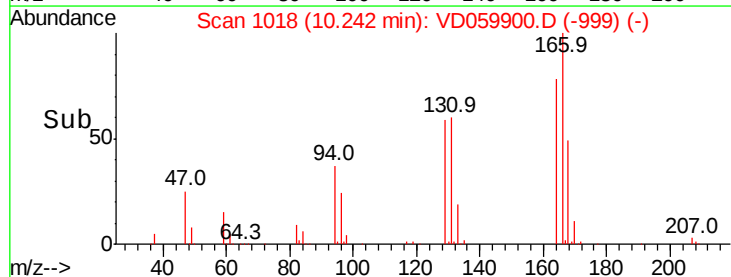
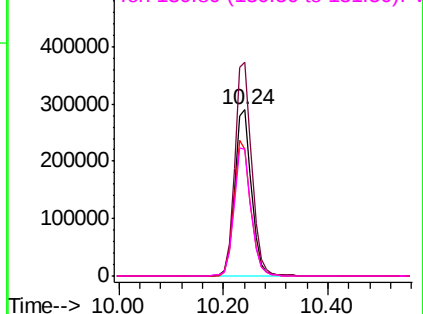


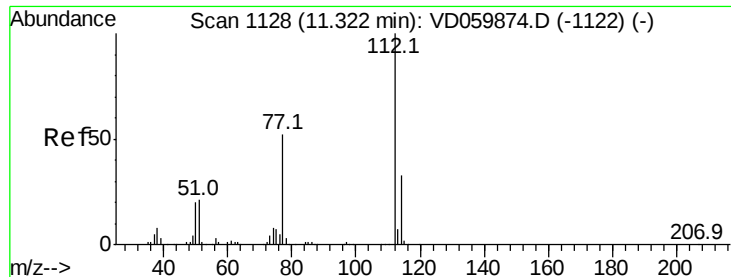
#64
Tetrachloroethene
Concen: 53.130 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:164 Resp: 629974
Ion Ratio Lower Upper
164 100
166 128.8 103.4 155.2
129 76.3 65.2 97.8
131 76.7 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

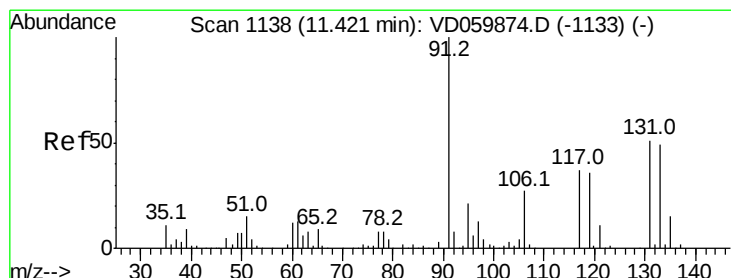
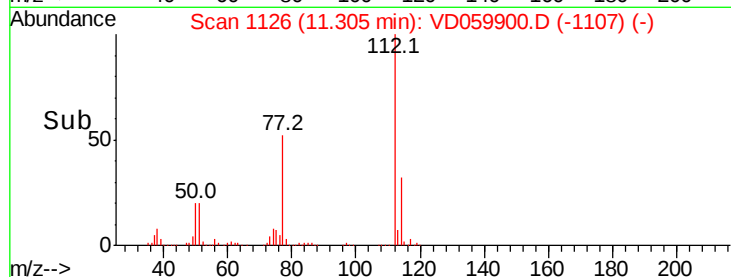
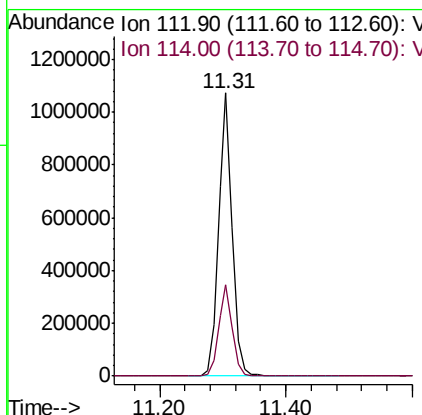
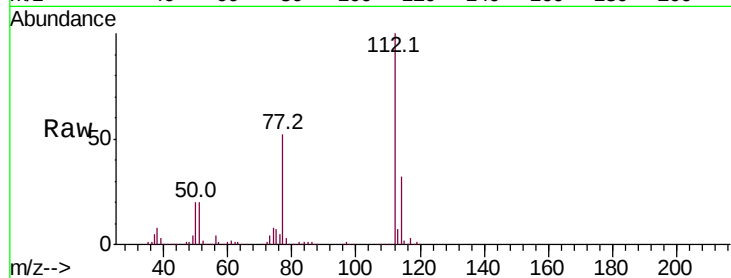




#65
Chlorobenzene
Concen: 53.554 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

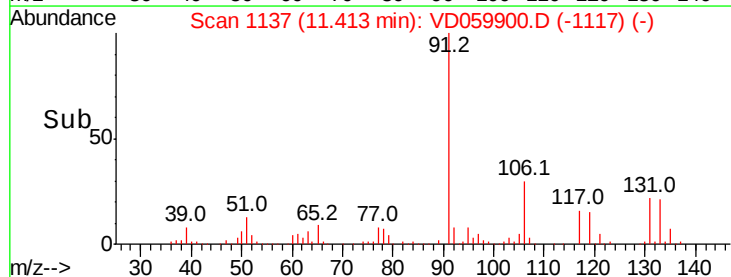
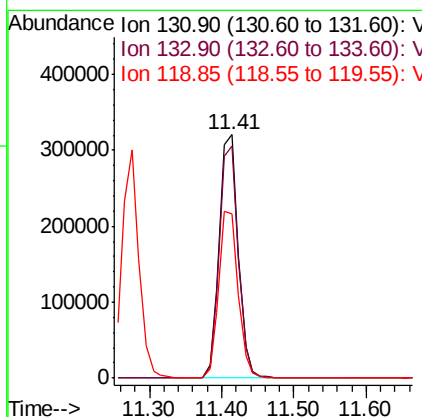
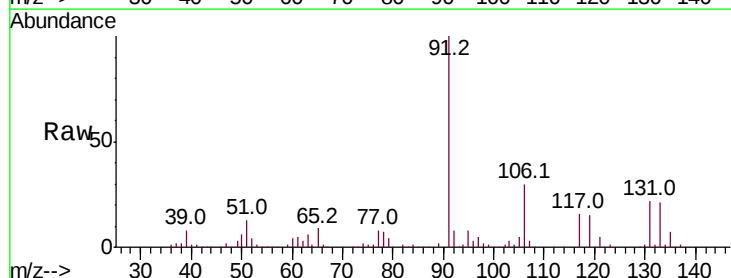
Instrument :
MSVOA_D
ClientSampled :

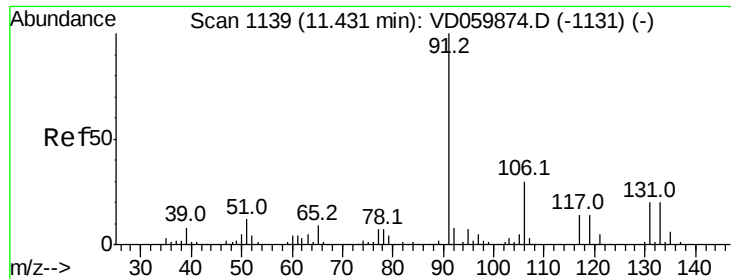
Tot Ion:112 Resp: 1631957
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.112 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:131 Resp: 580163
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 67.5 35.4 106.3

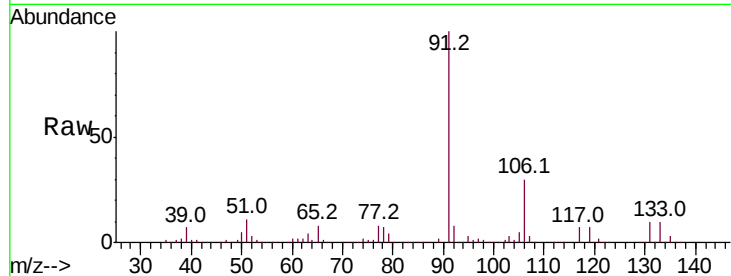




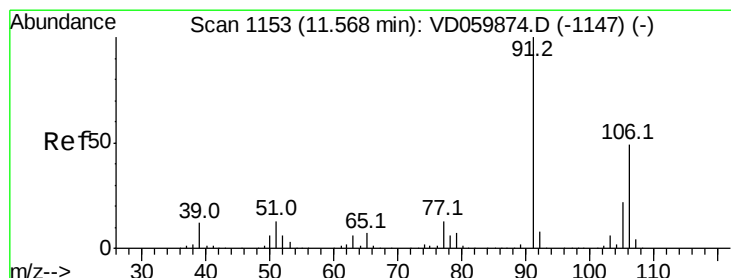
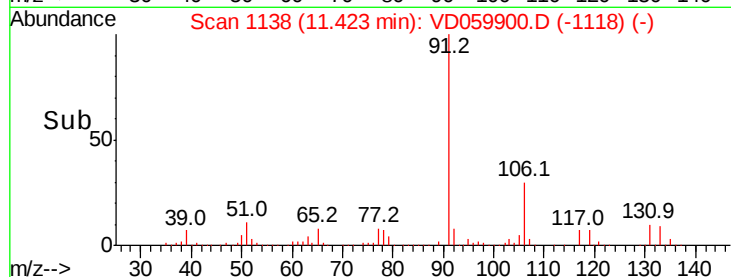
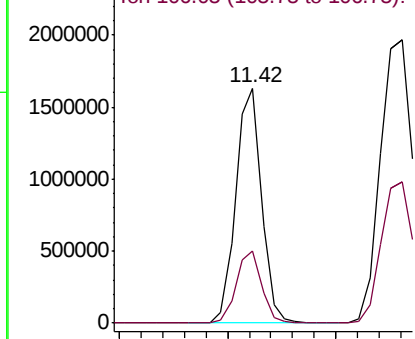
#67
Ethyl Benzene
Concen: 52.665 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 2699927
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8

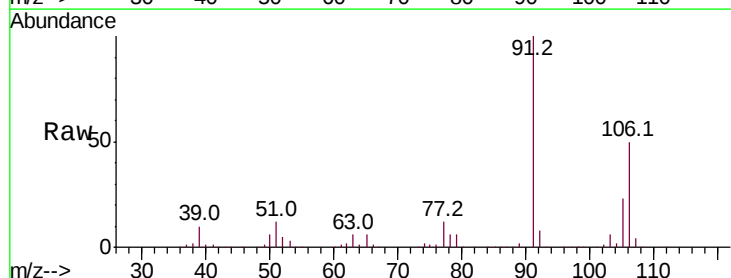


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

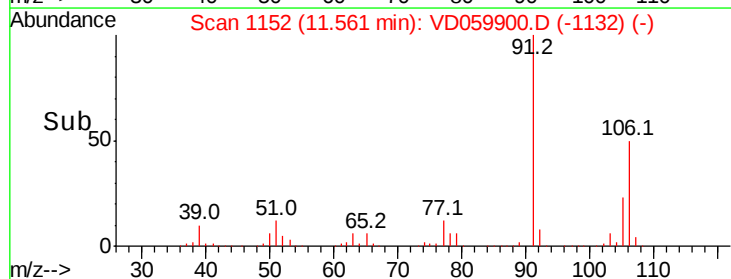
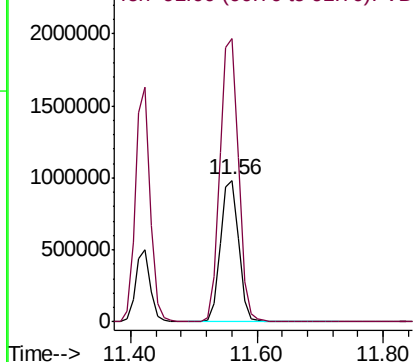


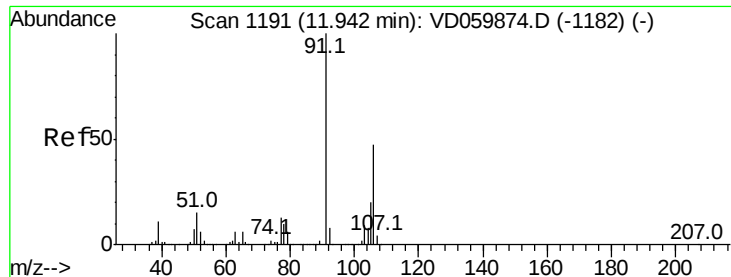
#68
m/p-Xylenes
Concen: 107.029 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:106 Resp: 1997761
Ion Ratio Lower Upper
106 100
91 200.1 162.0 243.0



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

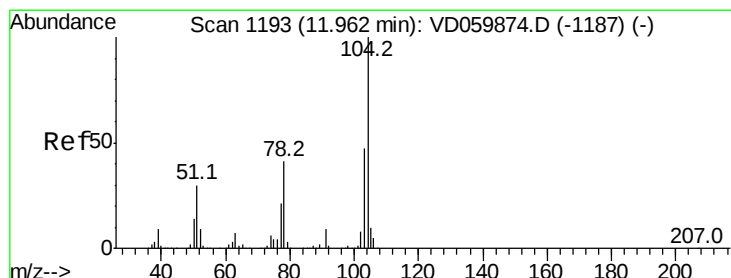
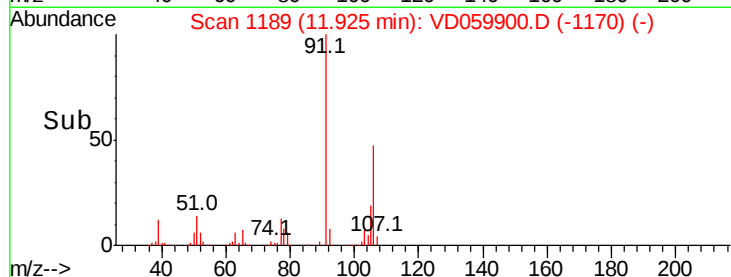
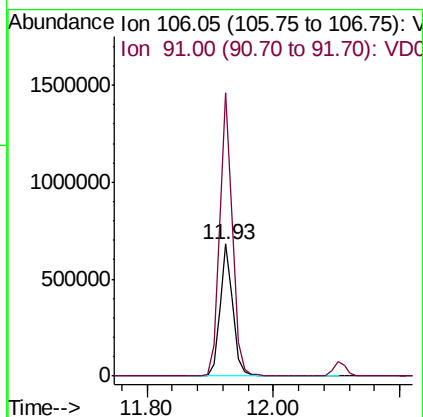
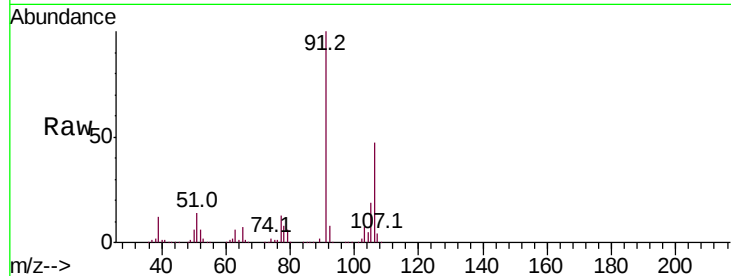




#69
o-Xylene
Concen: 53.226 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

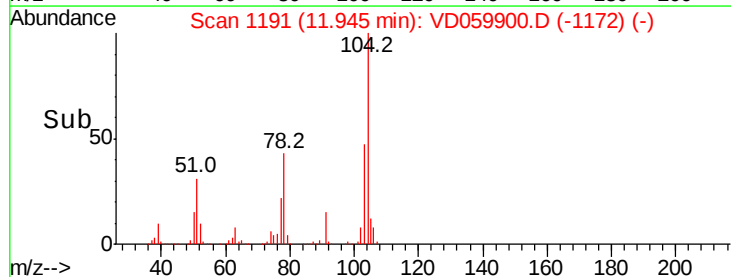
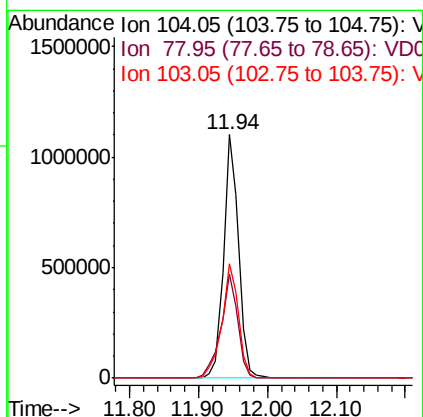
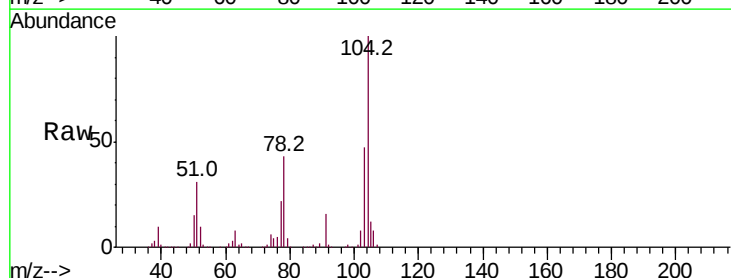
Instrument :
MSVOA_D
ClientSampleId :

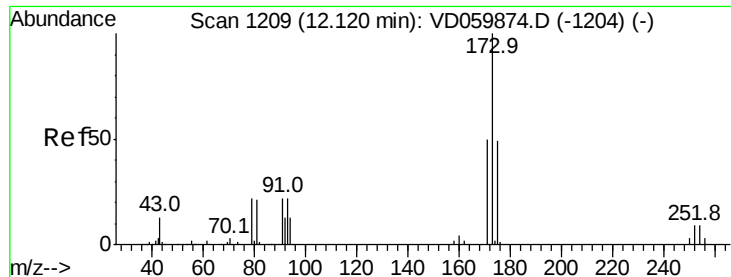
Tot Ion:106 Resp: 971705
Ion Ratio Lower Upper
106 100
91 214.6 107.3 322.0



#70
Styrene
Concen: 52.328 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:104 Resp: 1654127
Ion Ratio Lower Upper
104 100
78 42.8 32.6 49.0
103 46.9 37.7 56.5





#71

Bromoform

Concen: 50.704 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

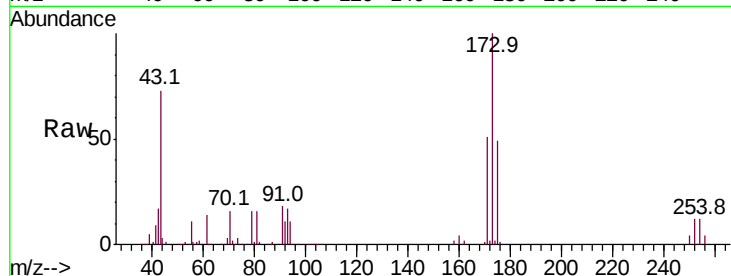
Tot Ion:173 Resp: 488417

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

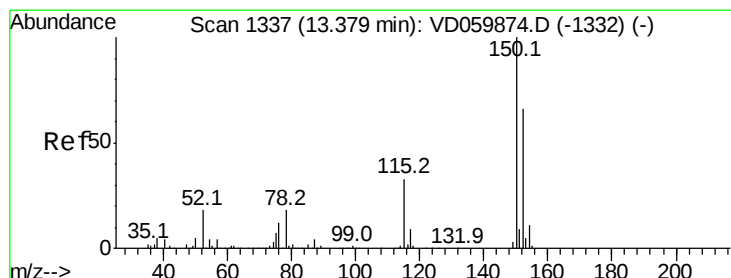
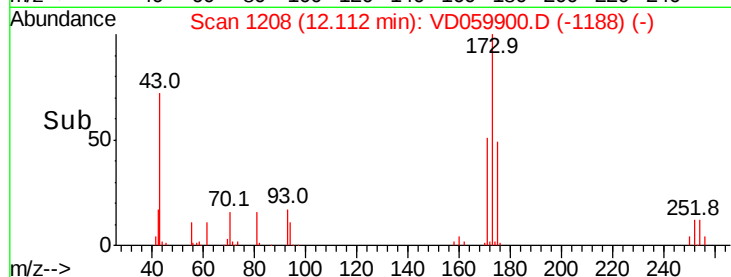
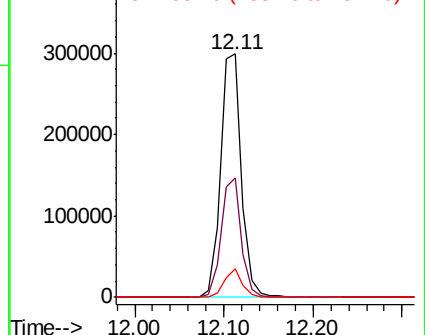
254 11.9 7.0 10.6#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

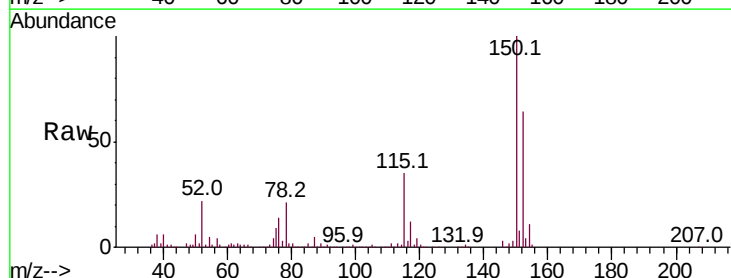
Tgt Ion:152 Resp: 797275

Ion Ratio Lower Upper

152 100

115 55.3 25.7 77.0

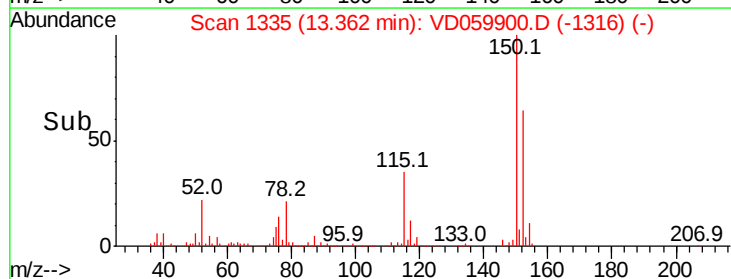
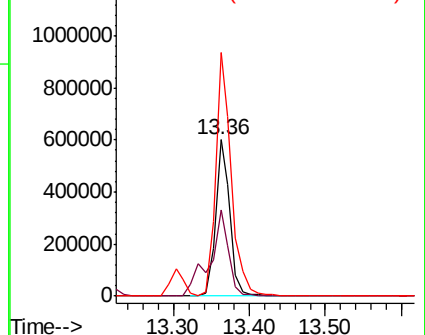
150 156.1 0.0 310.2

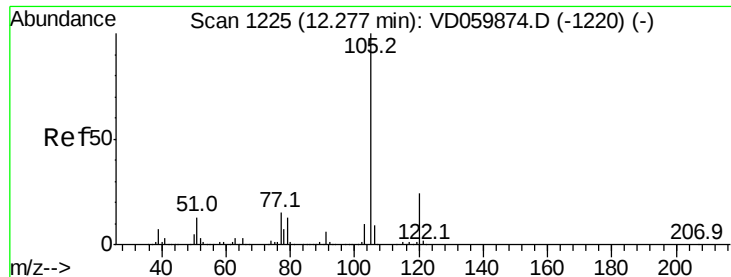


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.941 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

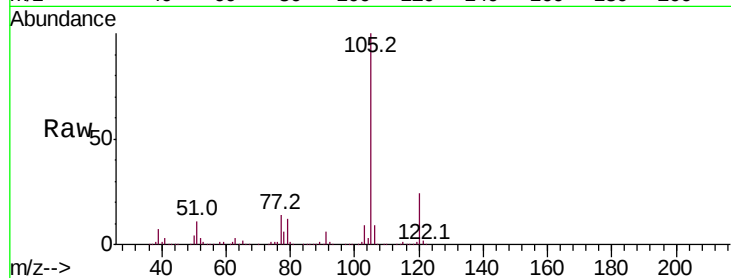
ClientSampleId :

Tot Ion:105 Resp: 2694381

Ion Ratio Lower Upper

105 100

120 24.2 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

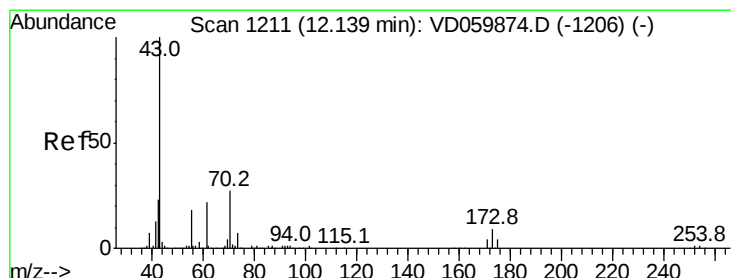
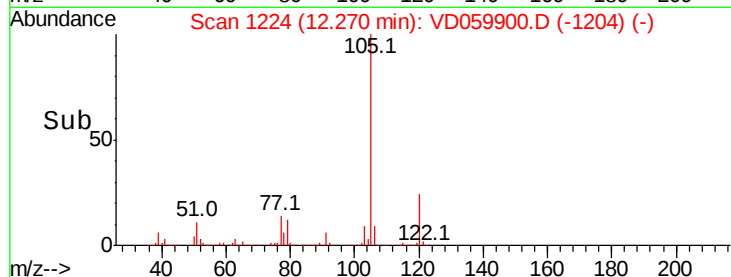
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 47.016 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Tgt Ion: 43 Resp: 1047717

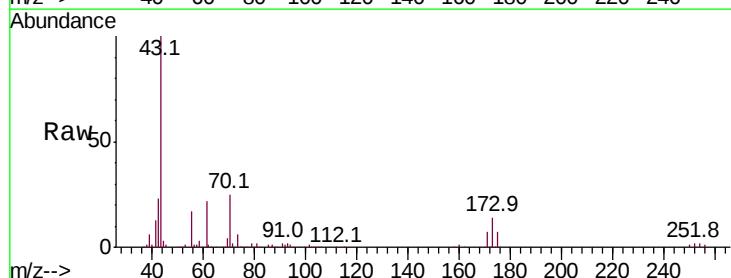
Ion Ratio Lower Upper

43 100

70 25.3 21.4 32.2

55 16.7 14.1 21.1

61 22.1 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1200000

1000000

800000

600000

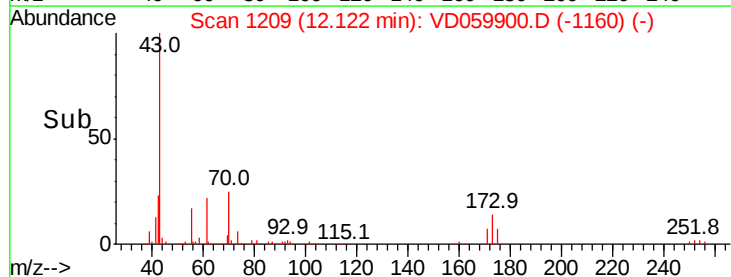
400000

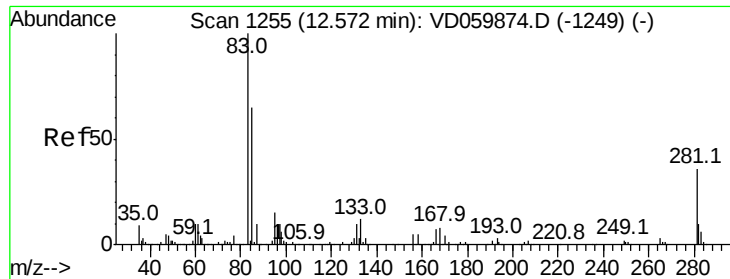
200000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.655 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

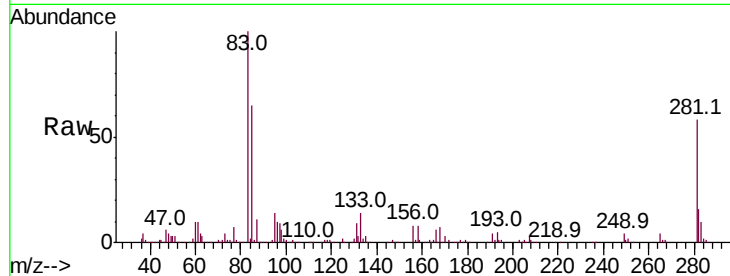
Tot Ion: 83 Resp: 584535

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.4

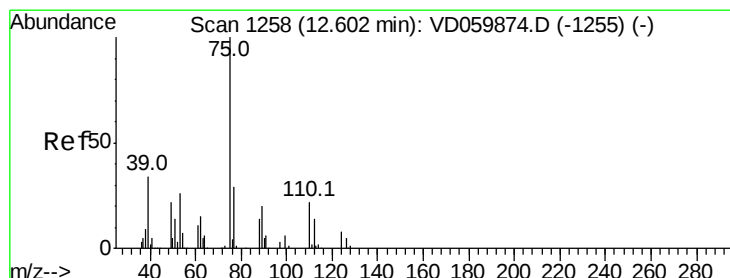
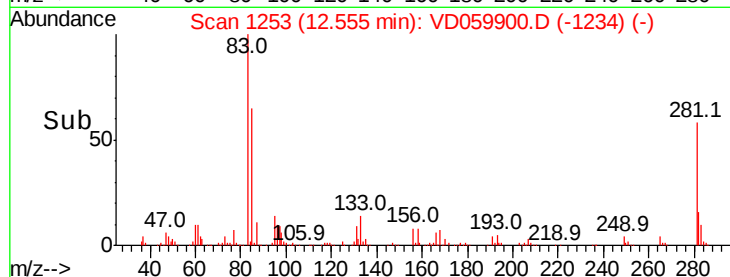
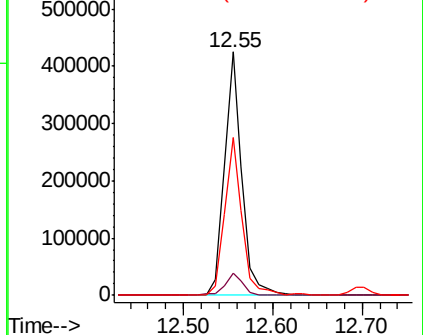
85 64.8 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.105 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059900.D

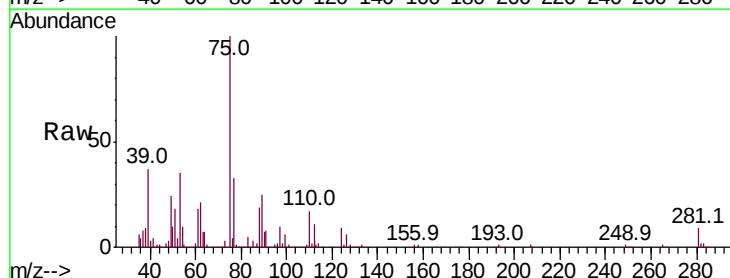
Acq: 24 Aug 2018 11:46

Tgt Ion: 75 Resp: 608485

Ion Ratio Lower Upper

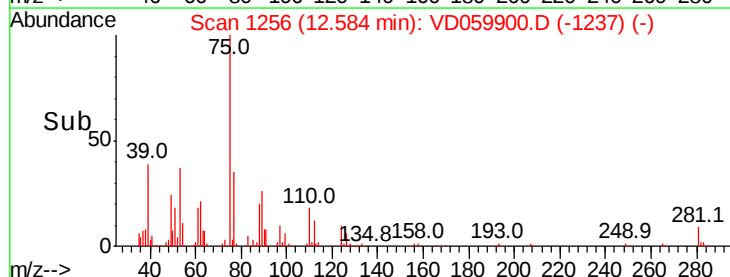
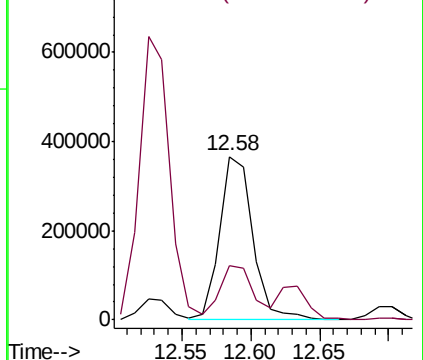
75 100

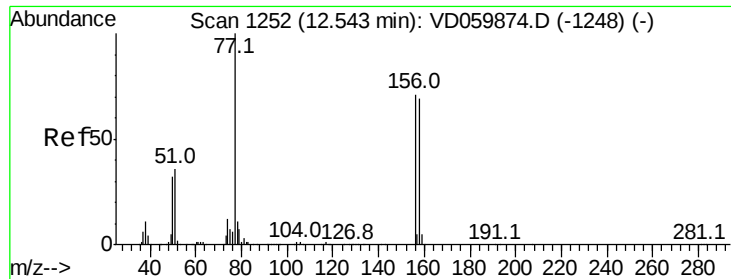
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.511 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

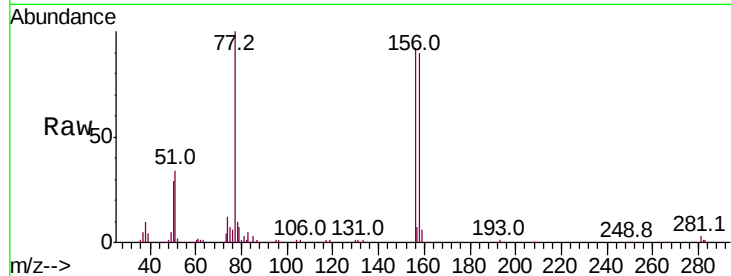
Tot Ion:156 Resp: 769173

Ion Ratio Lower Upper

156 100

77 108.5 70.2 210.4

158 97.6 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

800000

600000

400000

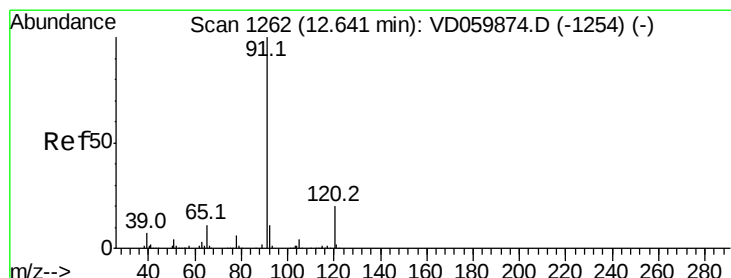
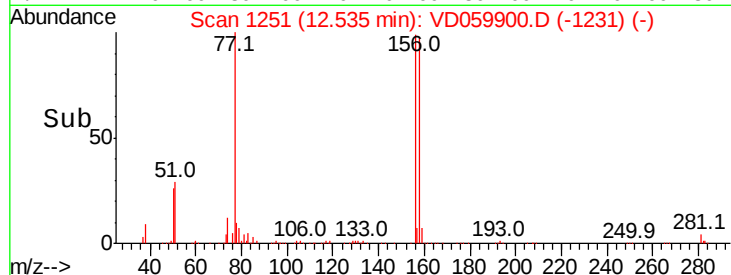
200000

0

12.54

12.50 12.55 12.60 12.65 12.70

Time-->



#78

n-propylbenzene

Concen: 51.403 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059900.D

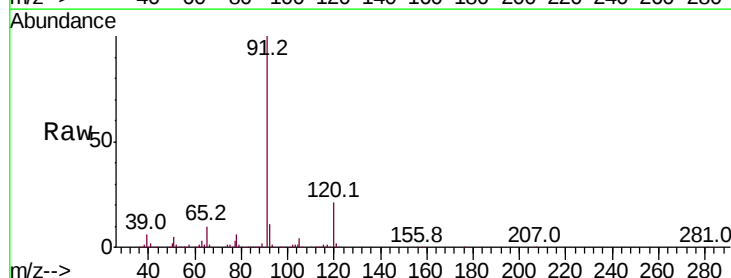
Acq: 24 Aug 2018 11:46

Tgt Ion: 91 Resp: 3312650

Ion Ratio Lower Upper

91 100

120 21.3 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

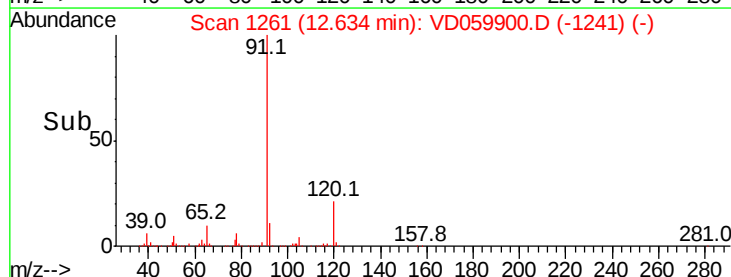
500000

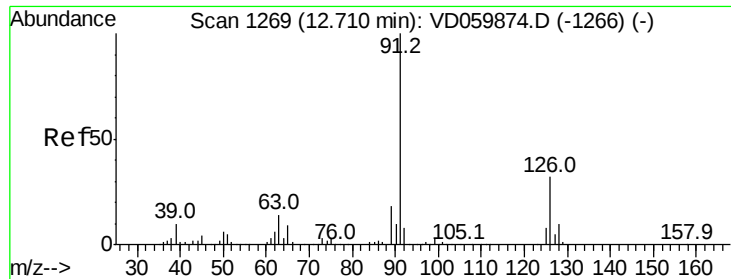
0

12.63

12.55 12.60 12.65 12.70

Time-->

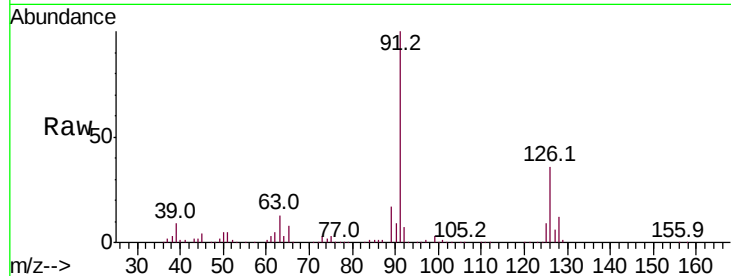




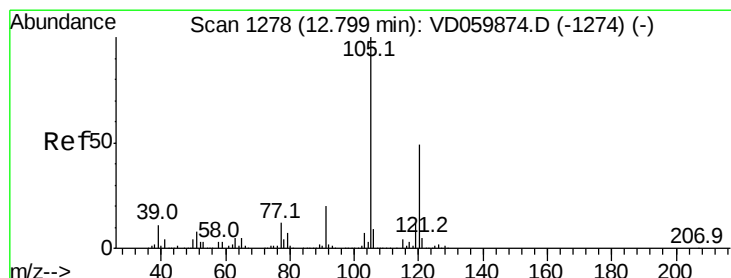
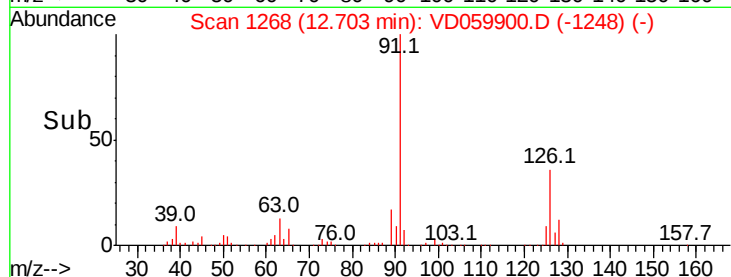
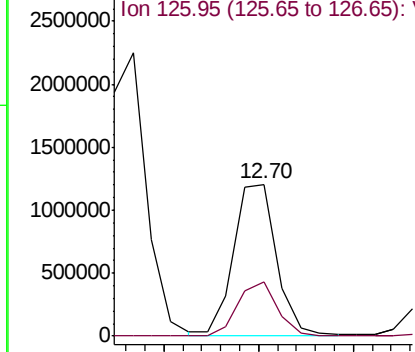
#79
 2-Chlorotoluene
 Concen: 52.045 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 1896789
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.1 48.2

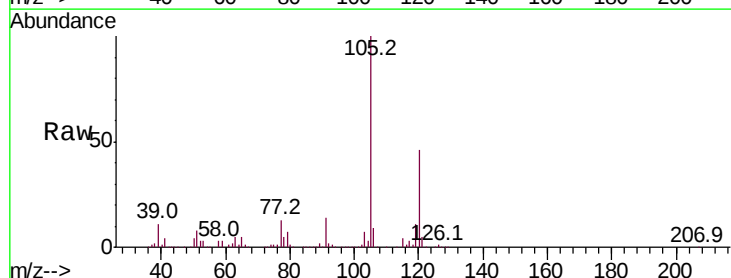


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

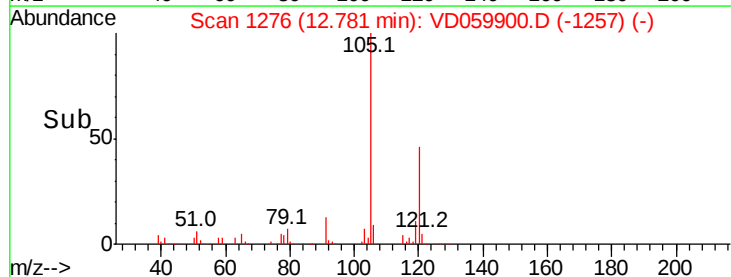
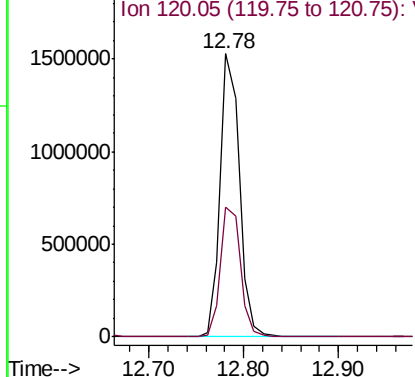


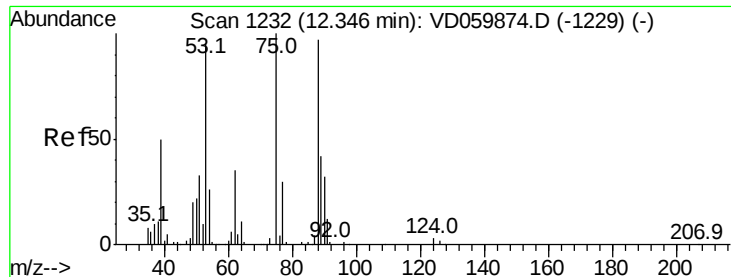
#80
 1,3,5-Trimethylbenzene
 Concen: 53.178 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion:105 Resp: 2151725
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 48.605 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

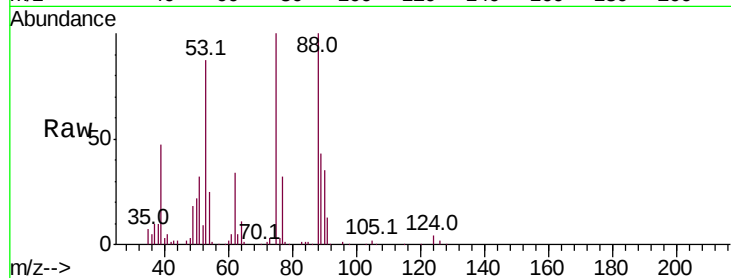
Tot Ion: 75 Resp: 187351

Ion Ratio Lower Upper

75 100

53 86.9 75.8 113.6

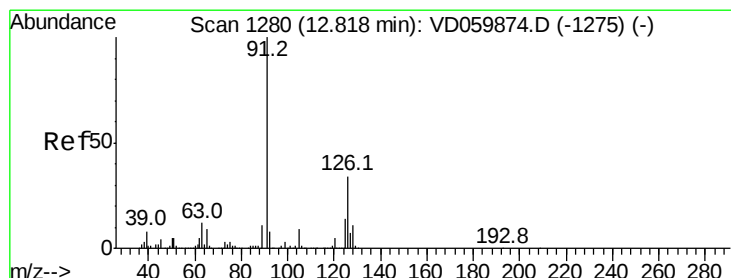
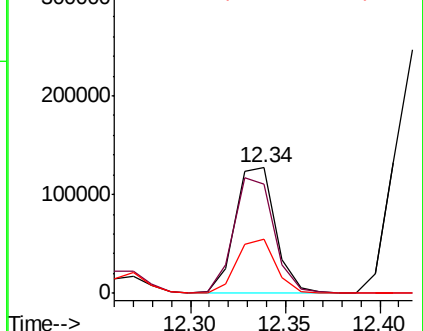
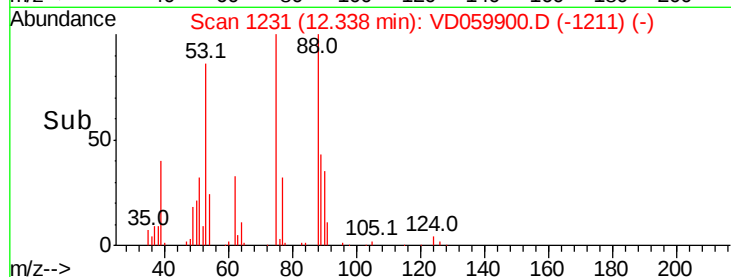
89 43.0 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.350 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059900.D

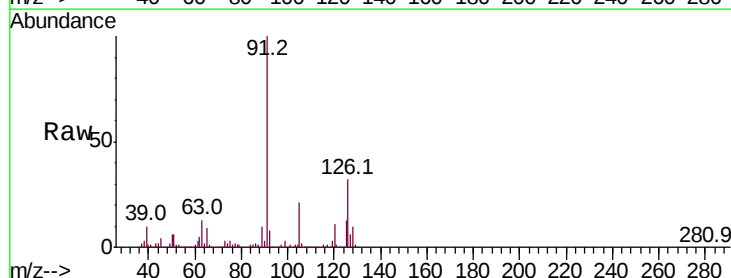
Acq: 24 Aug 2018 11:46

Tgt Ion: 91 Resp: 2134618

Ion Ratio Lower Upper

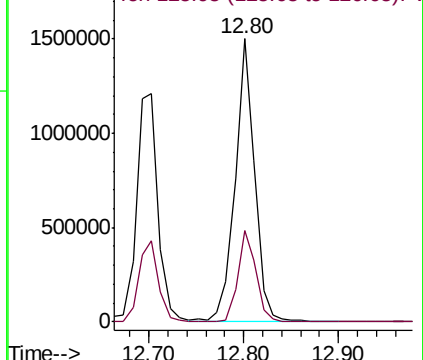
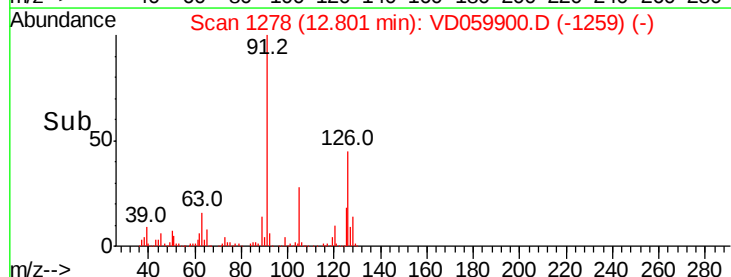
91 100

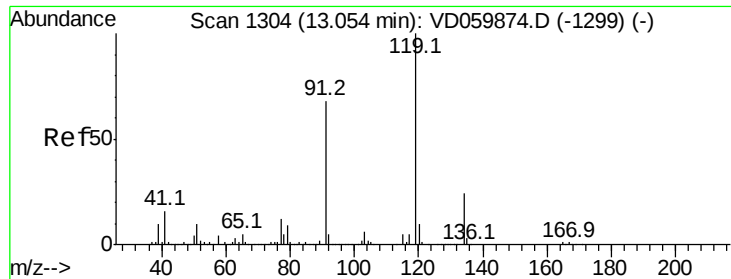
126 32.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

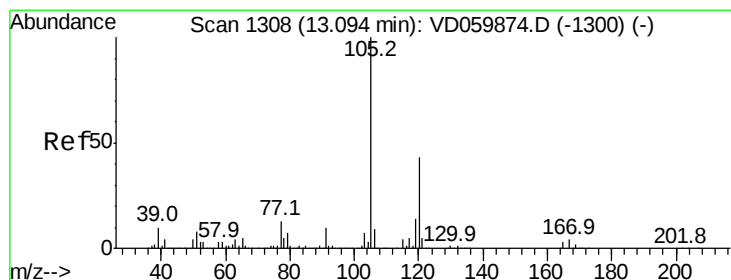
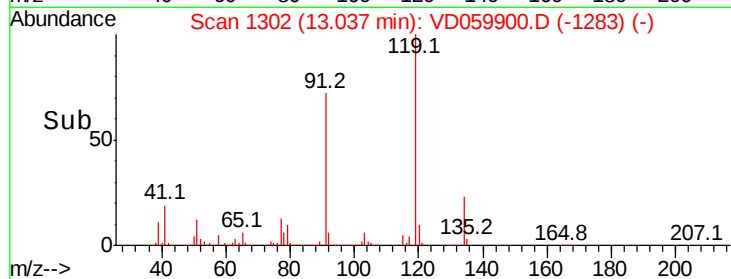
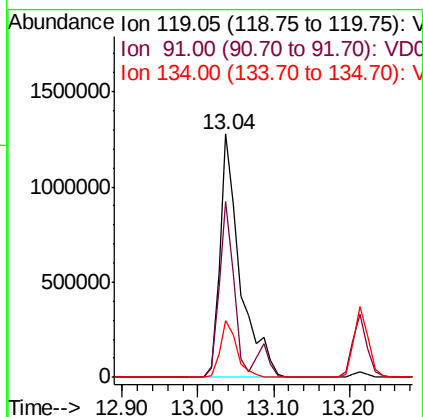
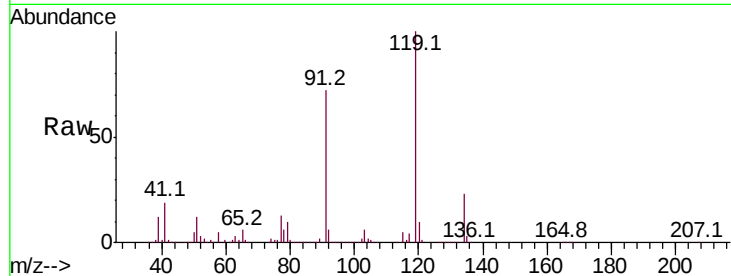




#83
tert-Butylbenzene
Concen: 51.996 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

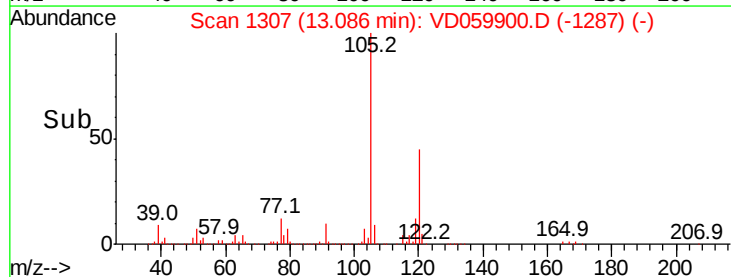
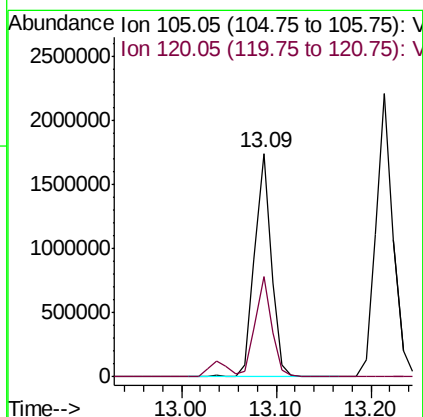
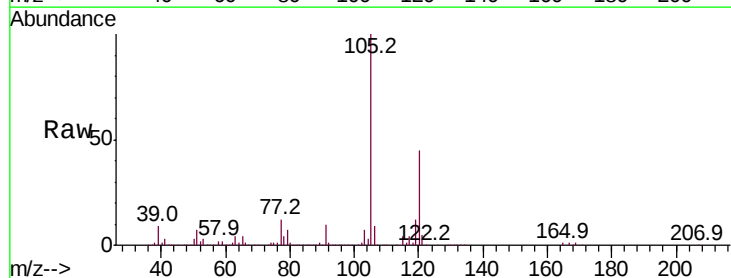
Instrument :
MSVOA_D
ClientSampleId :

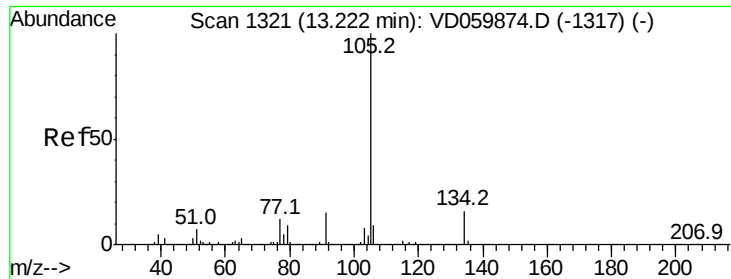
Tot Ion:119 Resp: 2396658
Ion Ratio Lower Upper
119 100
91 72.3 34.3 102.9
134 23.1 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 50.816 ug/l
RT: 13.09 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:105 Resp: 2143114
Ion Ratio Lower Upper
105 100
120 44.6 21.8 65.3

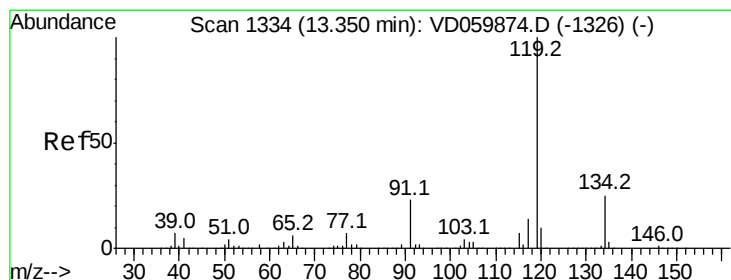
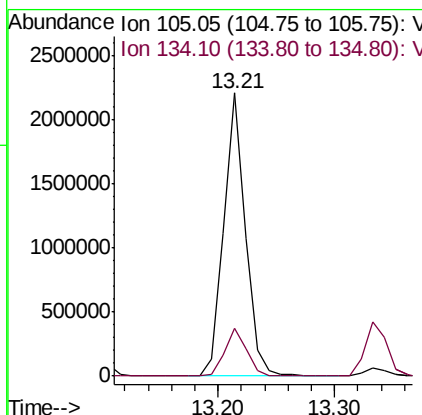
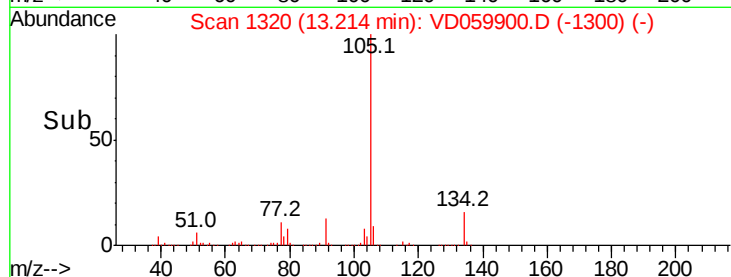
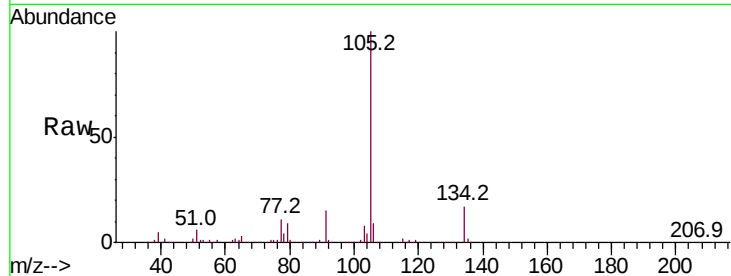




#85
 sec-Butylbenzene
 Concen: 52.439 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

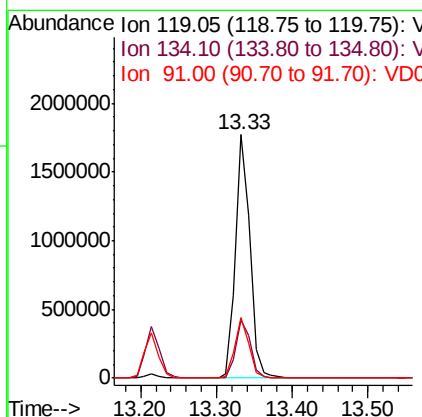
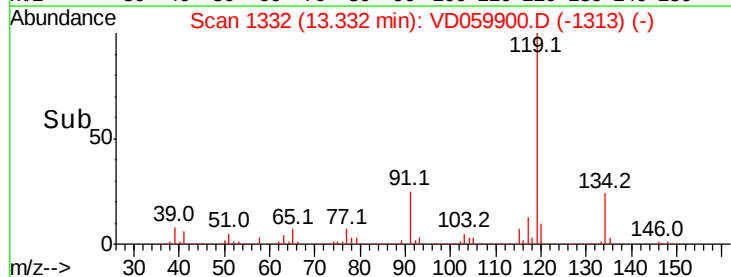
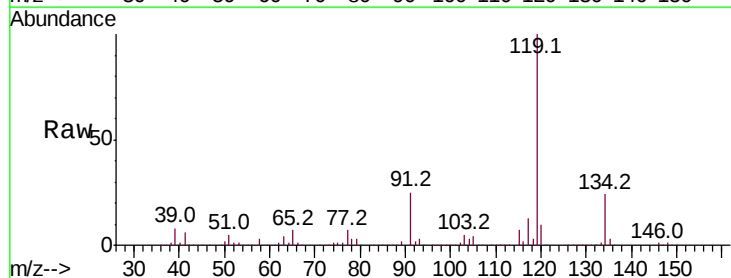
Instrument :
 MSVOA_D
 ClientSampleId :

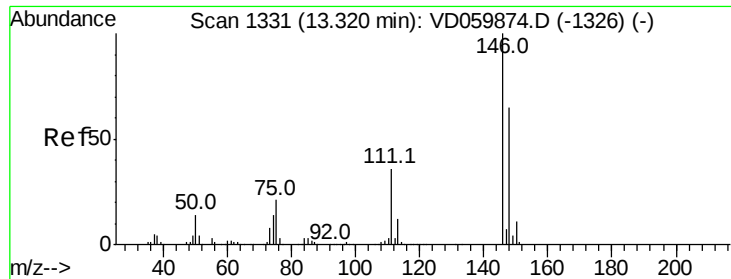
Tot Ion:105 Resp: 2842436
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 51.981 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion:119 Resp: 2291479
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.7 38.1
 91 24.8 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 51.840 ug/l

RT: 13.30 min Scan# 1329

Delta R.T. -0.02 min

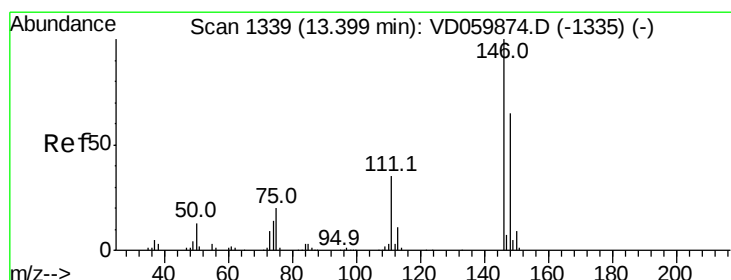
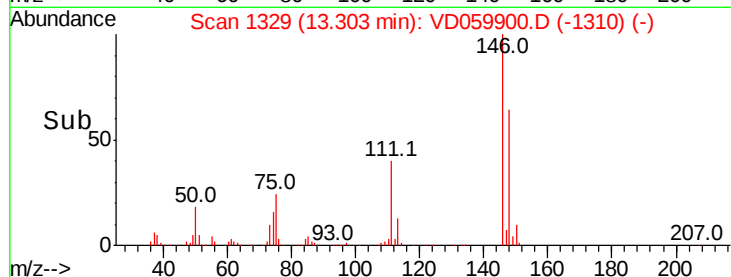
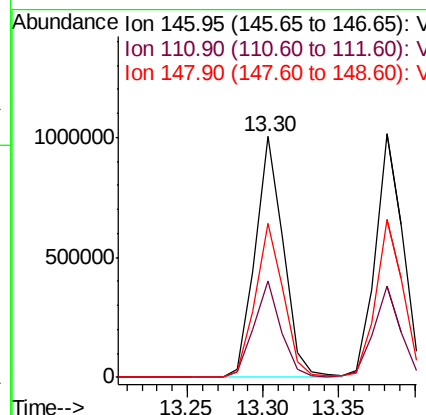
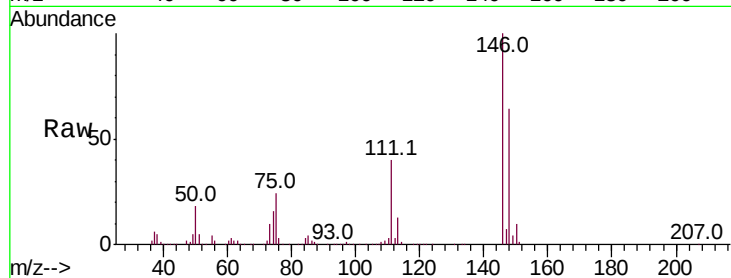
Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 1305942

Ion	Ratio	Lower	Upper
146	100		
111	39.8	17.9	53.7
148	64.2	32.4	97.0



#88

1,4-Dichlorobenzene

Concen: 52.008 ug/l

RT: 13.38 min Scan# 1337

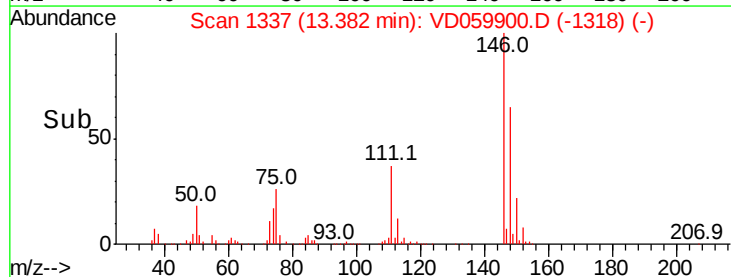
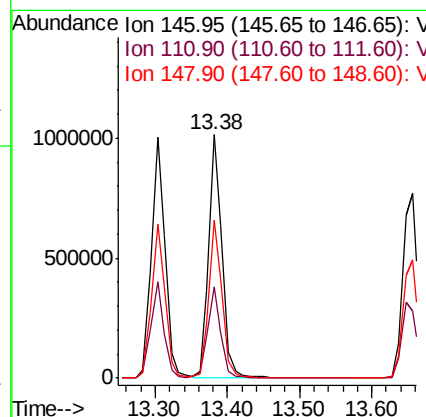
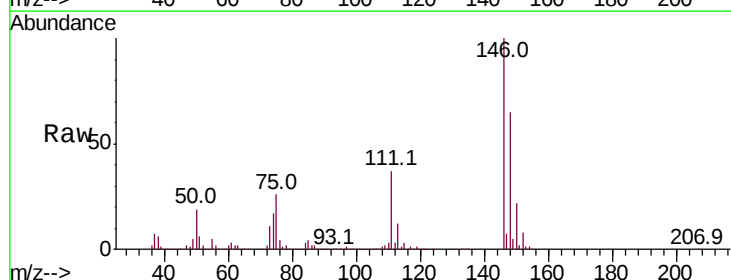
Delta R.T. -0.02 min

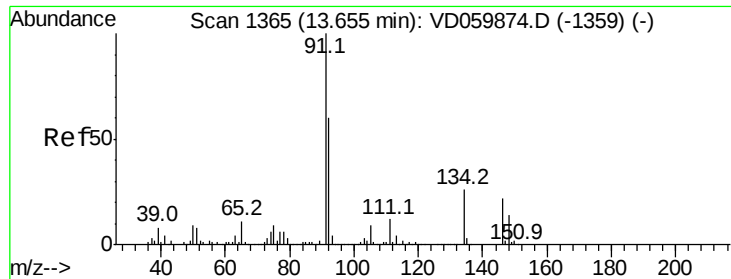
Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Tgt Ion:146 Resp: 1307165

Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.5	52.6
148	64.7	32.5	97.5





#89

n-Butylbenzene

Concen: 58.765 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

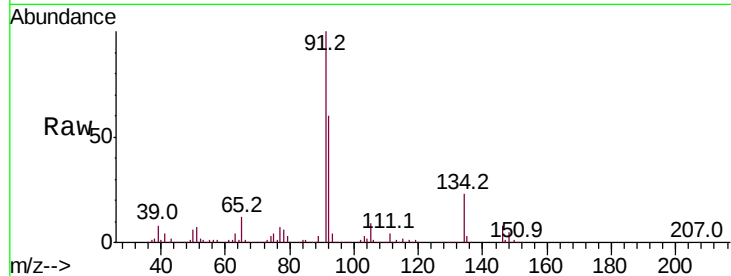
Tot Ion: 91 Resp: 2386847

Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.0	90.1
134	22.9	12.8	38.4

91 100

92 60.1 30.0 90.1

134 22.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

2500000

2000000

1500000

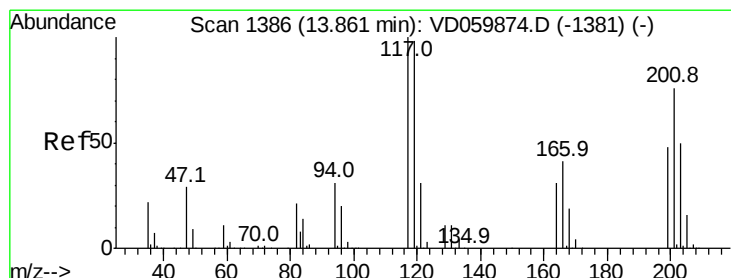
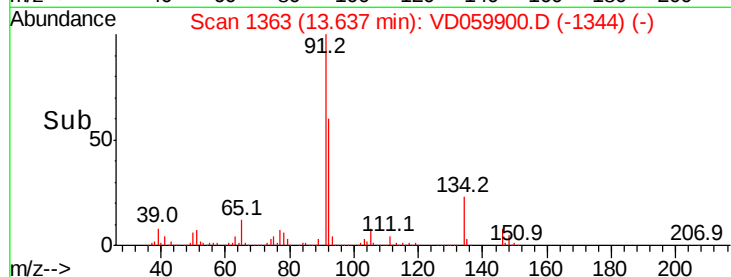
1000000

500000

0

13.64

Time--> 13.50 13.60 13.70 13.80



#90

Hexachloroethane

Concen: 51.923 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059900.D

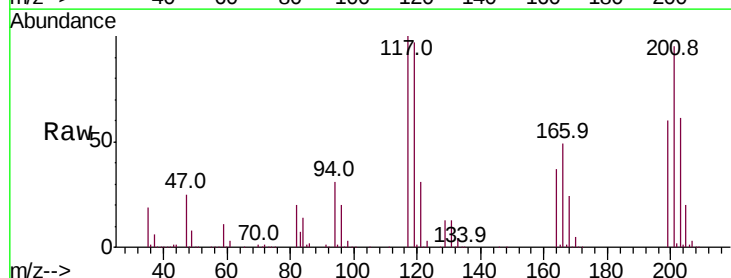
Acq: 24 Aug 2018 11:46

Tgt Ion: 117 Resp: 614598

Ion	Ratio	Lower	Upper
117	100		
201	94.6	38.1	114.5

117 100

201 94.6 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

500000

400000

300000

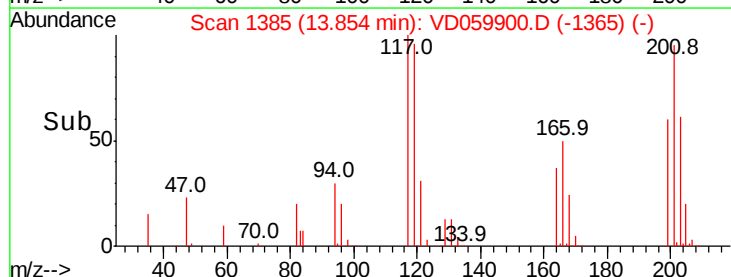
200000

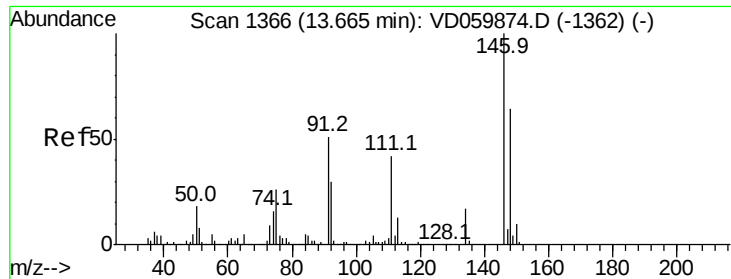
100000

0

13.85

Time--> 13.80 13.90 14.00





#91

1,2-Dichlorobenzene

Concen: 52.612 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

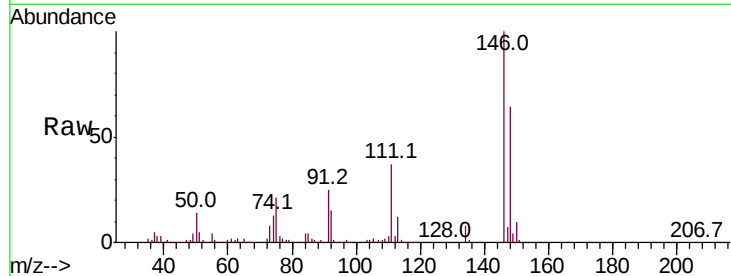
Instrument :

MSVOA_D

ClientSampled :

Tot Ion:146 Resp: 1126967

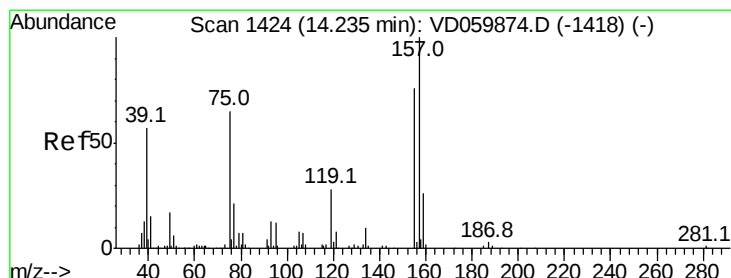
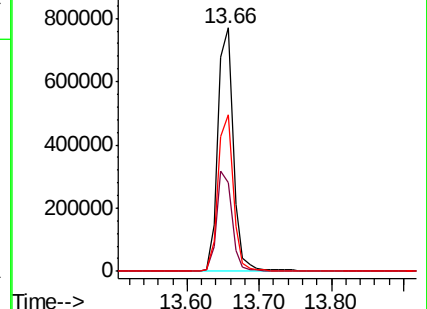
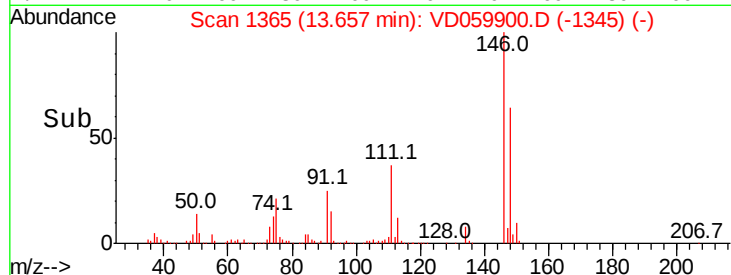
Ion	Ratio	Lower	Upper
146	100		
111	36.6	21.1	63.1
148	64.2	32.2	96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.008 ug/l

RT: 14.22 min Scan# 1422

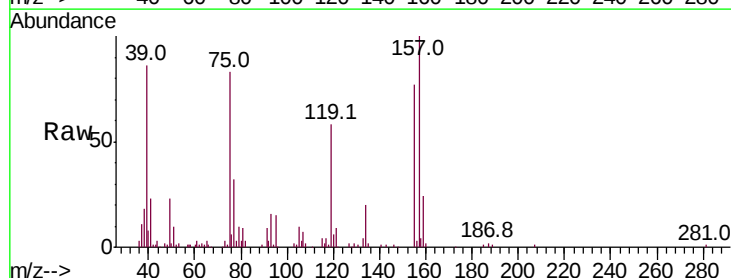
Delta R.T. -0.02 min

Lab File: VD059900.D

Acq: 24 Aug 2018 11:46

Tgt Ion: 75 Resp: 86892

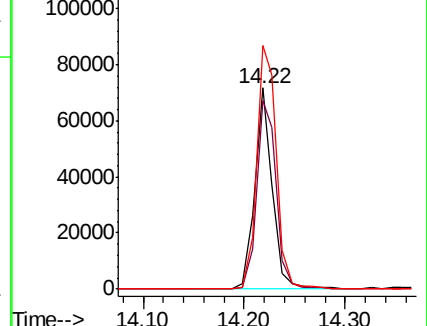
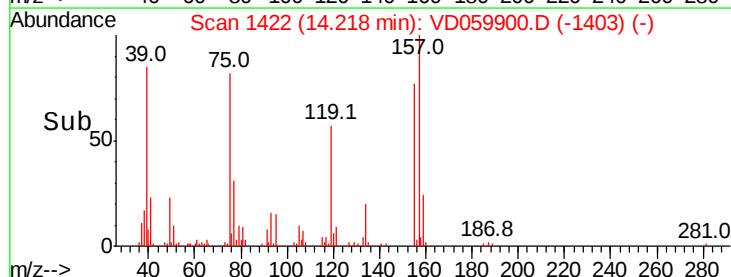
Ion	Ratio	Lower	Upper
75	100		
155	93.6	58.2	174.6
157	121.1	76.8	230.4

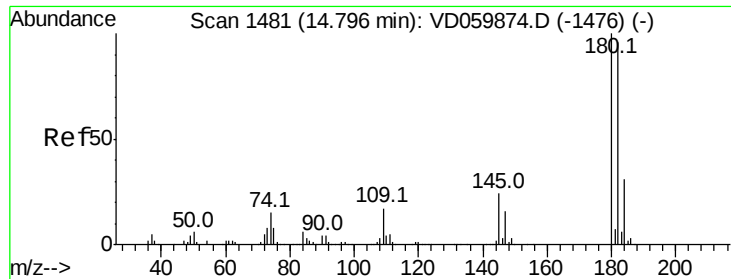


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

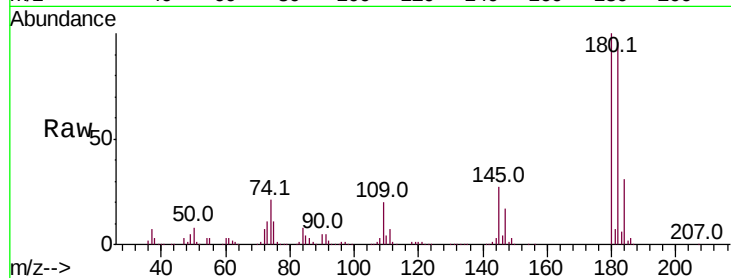




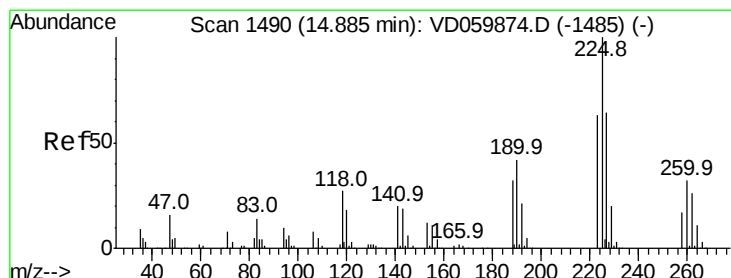
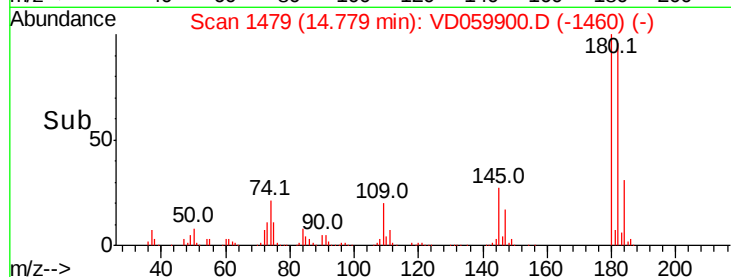
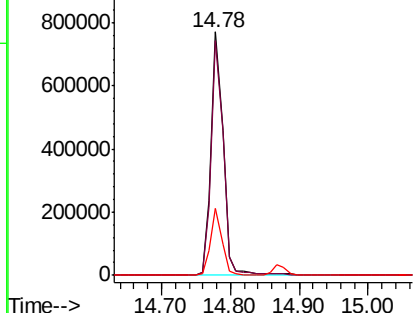
#93
 1,2,4-Trichlorobenzene
 Concen: 51.974 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	27.3	12.2	36.4

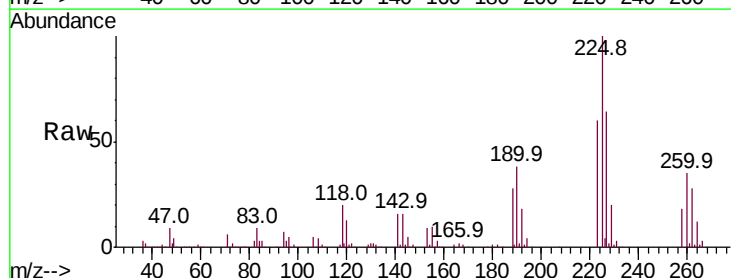


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

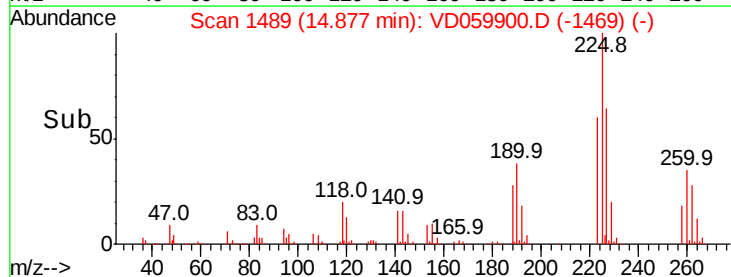
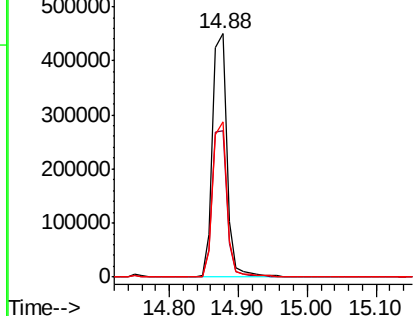


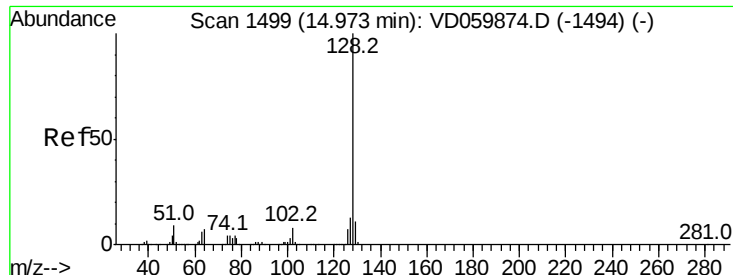
#94
 Hexachlorobutadiene
 Concen: 55.062 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059900.D
 Acq: 24 Aug 2018 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.6	94.8
227	63.6	32.0	96.0



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

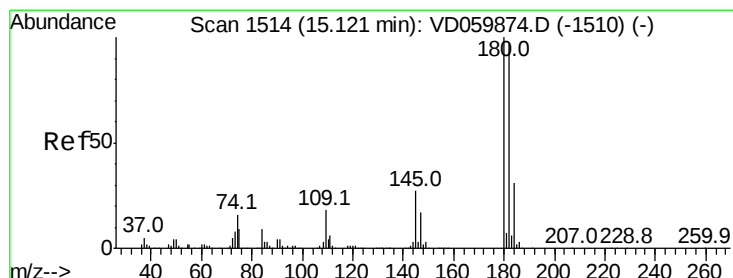
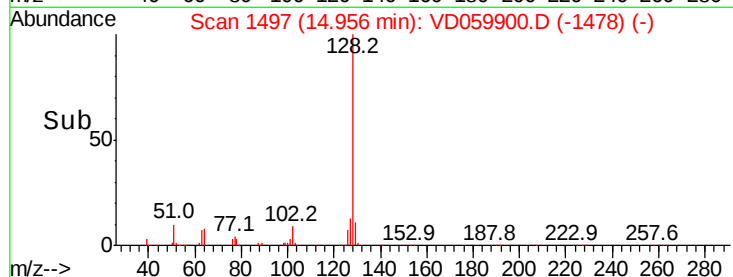
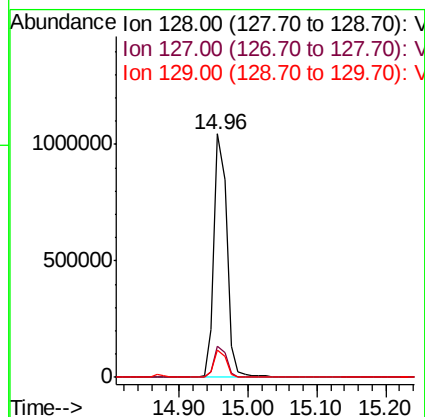
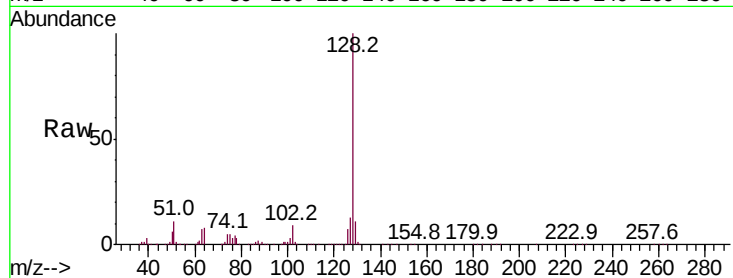




#95
Naphthalene
Concen: 48.887 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 1370159
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.003 ug/l
RT: 15.10 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059900.D
Acq: 24 Aug 2018 11:46

Tgt Ion:180 Resp: 815701
Ion Ratio Lower Upper
180 100
182 94.7 48.6 145.8
145 28.7 13.6 40.8

