

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059830.D
 Acq On : 20 Aug 2018 14:23
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 21 02:31:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1086276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1551193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1230561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	521412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	787292	89.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.70%	
35) Dibromofluoromethane	5.50	113	1099282	95.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.04%	
50) Toluene-d8	8.67	98	2871962	91.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.38%	
62) 4-Bromofluorobenzene	11.91	95	1025446	84.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.32	85	898562	96.298	ug/l 99
3) Chloromethane	1.46	50	734123	94.878	ug/l 97
4) Vinyl Chloride	1.54	62	632114	100.806	ug/l 98
5) Bromomethane	1.76	94	66290	78.438	ug/l 92
6) Chloroethane	1.85	64	126658	80.718	ug/l 91
7) Trichlorofluoromethane	2.06	101	603958	92.209	ug/l 99
8) Diethyl Ether	2.31	74	136580	94.766	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	374108	91.210	ug/l 98
10) Methyl Iodide	2.66	142	487584	114.983	ug/l 93
11) Tert butyl alcohol	3.23	59	131455	402.000	ug/l 95
12) 1,1-Dichloroethene	2.51	96	282869	88.181	ug/l 96
13) Acrolein	2.44	56	159426	517.344	ug/l 95
14) Allyl chloride	2.88	41	789114	92.792	ug/l 99
15) Acrylonitrile	3.33	53	645252	436.951	ug/l 98
16) Acetone	2.58	43	734528	497.711	ug/l 100
17) Carbon Disulfide	2.72	76	1079241	100.500	ug/l 100
18) Methyl Acetate	2.89	43	280092	86.979	ug/l 98
19) Methyl tert-butyl Ether	3.37	73	1705223	90.643	ug/l 98
20) Methylene Chloride	3.03	84	338518	67.683	ug/l 94
21) trans-1,2-Dichloroethene	3.35	96	789274	87.989	ug/l 98
22) Diisopropyl ether	4.03	45	3974572	90.805	ug/l 95
23) Vinyl Acetate	3.97	43	10287330	435.187	ug/l 100
24) 1,1-Dichloroethane	3.92	63	1773863	92.704	ug/l 99
25) 2-Butanone	4.79	43	2205293	497.631	ug/l 98
26) 2,2-Dichloropropane	4.74	77	1330440	87.637	ug/l 100
27) cis-1,2-Dichloroethene	4.75	96	1071271	92.814	ug/l 99
28) Bromochloromethane	5.10	49	849431	86.602	ug/l 94
29) Tetrahydrofuran	5.14	42	1025842	461.534	ug/l 99
30) Chloroform	5.28	83	1806663	95.862	ug/l 100
31) Cyclohexane	5.54	56	1583718	90.568	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	1525050	95.860	ug/l 99
36) 1,1-Dichloropropene	5.70	75	1209493	90.640	ug/l 99
37) Ethyl Acetate	4.87	43	875038	90.117	ug/l 98
38) Carbon Tetrachloride	5.68	117	1234061	93.012	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	1401302	98.789	ug/l	99
40) Benzene	5.97	78	3294699	95.637	ug/l	98
41) Methacrylonitrile	5.08	41	427955	85.591	ug/l	98
42) 1,2-Dichloroethane	6.08	62	1092875	98.785	ug/l	100
43) Isopropyl Acetate	7.58	43	1268423	95.212	ug/l #	98
44) Trichloroethene	6.94	130	1022404	100.708	ug/l	97
45) 1,2-Dichloropropane	7.30	63	984075	98.544	ug/l	100
46) Dibromomethane	7.42	93	616844	99.405	ug/l	92
47) Bromodichloromethane	7.70	83	1329079	96.521	ug/l	99
48) Methyl methacrylate	7.46	41	728014	97.711	ug/l	98
49) 1,4-Dioxane	7.45	88	128787	2074.898	ug/l	96
51) 4-Methyl-2-Pentanone	8.56	43	4367531	476.674	ug/l	99
52) Toluene	8.76	92	2056367	94.087	ug/l	100
53) t-1,3-Dichloropropene	9.14	75	1204871	96.082	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	1449275	96.271	ug/l	100
55) 1,1,2-Trichloroethane	9.41	97	723247	92.967	ug/l	98
56) Ethyl methacrylate	9.27	69	843581	94.352	ug/l	96
57) 1,3-Dichloropropane	9.63	76	1092932	96.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.15	63	1939417	422.354	ug/l	99
59) 2-Hexanone	9.74	43	3362621	498.268	ug/l	98
60) Dibromochloromethane	9.92	129	979920	97.996	ug/l	99
61) 1,2-Dibromoethane	10.06	107	815173	98.519	ug/l	100
64) Tetrachloroethene	9.47	164	894861	99.020	ug/l	98
65) Chlorobenzene	10.69	112	2251664	94.049	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	712676	86.202	ug/l	97
67) Ethyl Benzene	10.83	91	3171802	80.777	ug/l	99
68) m/p-Xylenes	10.98	106	2349232	163.333	ug/l	99
69) o-Xylene	11.38	106	1231835	87.657	ug/l	96
70) Styrene	11.41	104	2090350	85.829	ug/l	99
71) Bromoform	11.57	173	721793	99.883	ug/l #	97
73) Isopropylbenzene	11.75	105	3250727	91.402	ug/l	98
74) N-amyl acetate	11.62	43	1556913	99.005	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.05	83	841473	102.908	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	836160	98.136	ug/l	99
77) Bromobenzene	12.02	156	976758	98.923	ug/l	91
78) n-propylbenzene	12.13	91	3926314	87.867	ug/l	99
79) 2-Chlorotoluene	12.19	91	2341033	91.751	ug/l	95
80) 1,3,5-Trimethylbenzene	12.29	105	2079590	77.958	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	275748	104.626	ug/l	92
82) 4-Chlorotoluene	12.30	91	2018516	76.094	ug/l	98
83) tert-Butylbenzene	12.55	119	2816167	89.831	ug/l	96
84) 1,2,4-Trimethylbenzene	12.60	105	2639759	89.405	ug/l	97
85) sec-Butylbenzene	12.74	105	3366360	89.500	ug/l	99
86) p-Isopropyltoluene	12.86	119	2535061	85.862	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1560763	93.746	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	1532887	91.510	ug/l	96
89) n-Butylbenzene	13.18	91	2134672	72.073	ug/l	99
90) Hexachloroethane	13.38	117	810770	97.215	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	991360	73.134	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.75	75	125165	103.324	ug/l	80

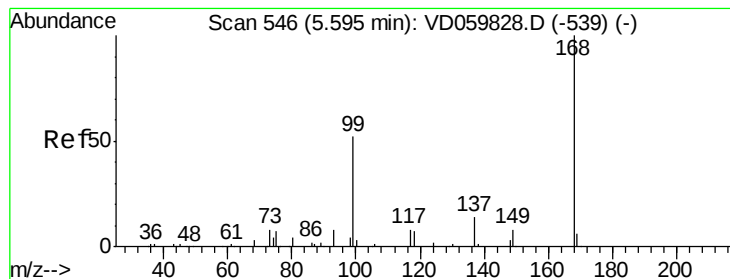
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	1092410	90.304	ug/l	99
94) Hexachlorobutadiene	14.41	225	785545	97.727	ug/l	99
95) Naphthalene	14.49	128	2002818	103.775	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	995683	94.811	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

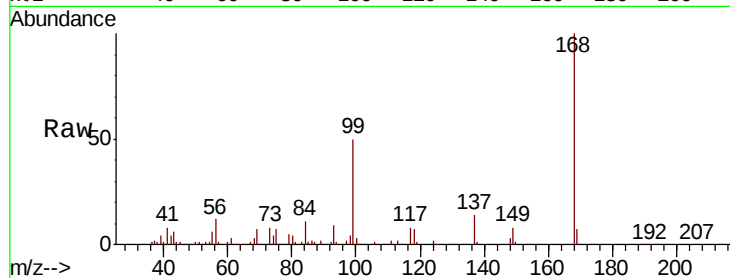
VSTDIC100

Tgt Ion:168 Resp: 1086276

Ion Ratio Lower Upper

168 100

99 50.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.60

400000

300000

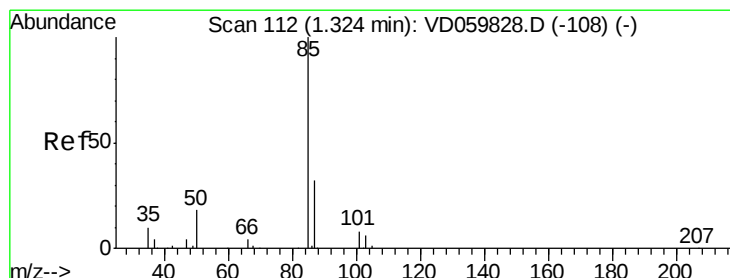
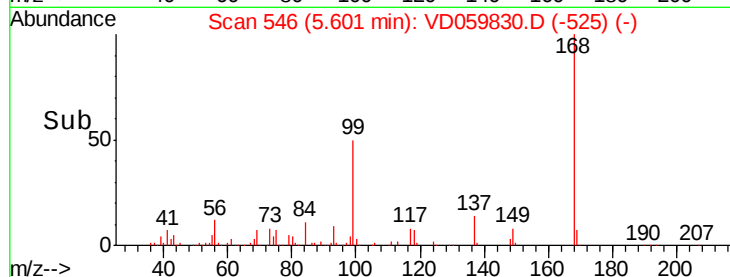
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 96.298 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059830.D

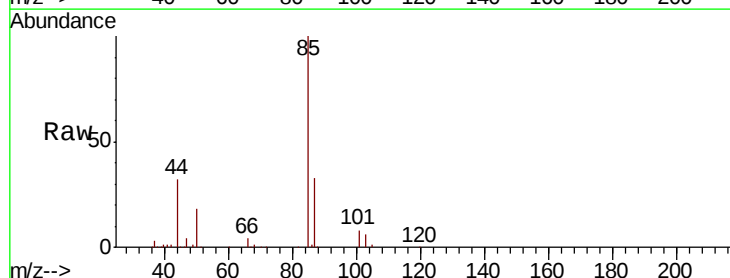
Acq: 20 Aug 2018 14:23

Tgt Ion: 85 Resp: 898562

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

500000

400000

300000

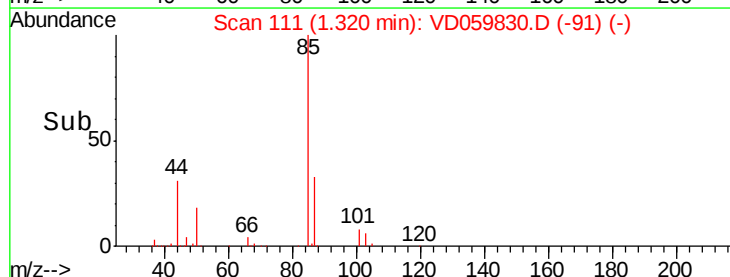
200000

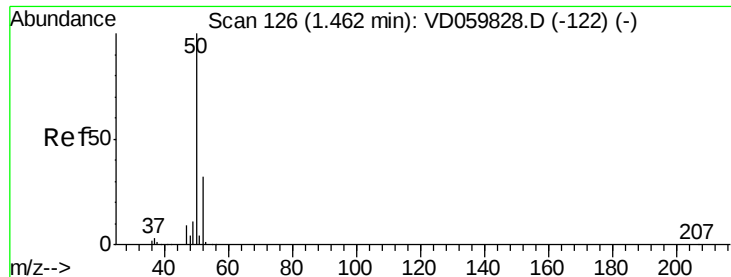
100000

0

1.20 1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 94.878 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

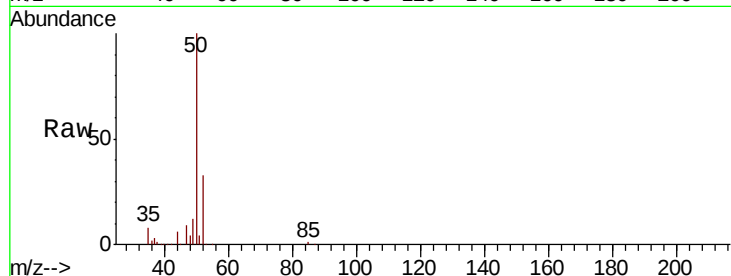
VSTDIC100

Tgt Ion: 50 Resp: 734123

Ion Ratio Lower Upper

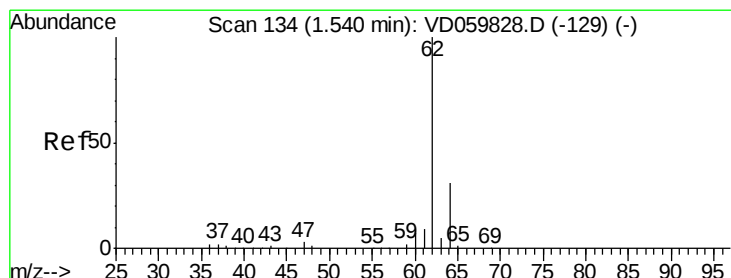
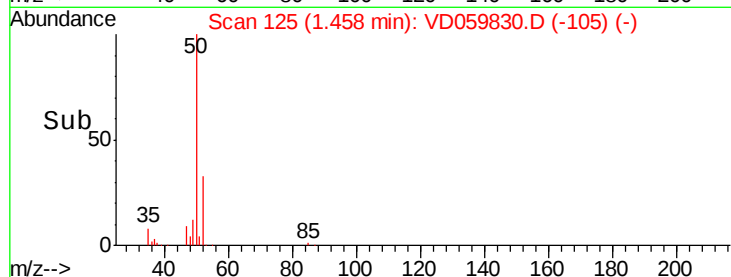
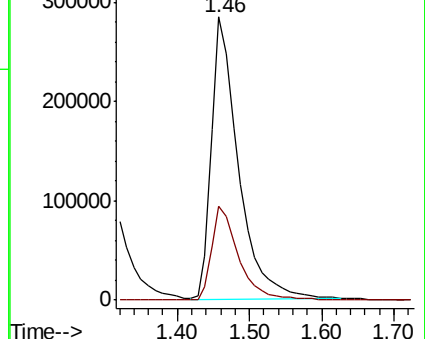
50 100

52 33.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 100.806 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059830.D

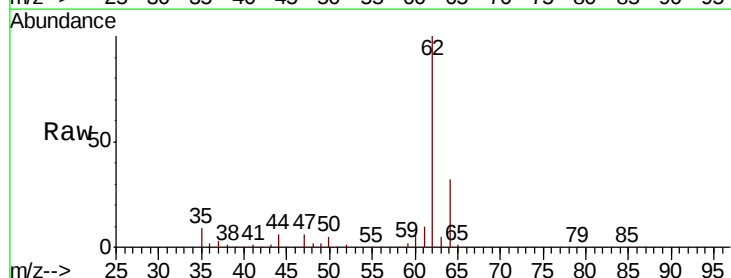
Acq: 20 Aug 2018 14:23

Tgt Ion: 62 Resp: 632114

Ion Ratio Lower Upper

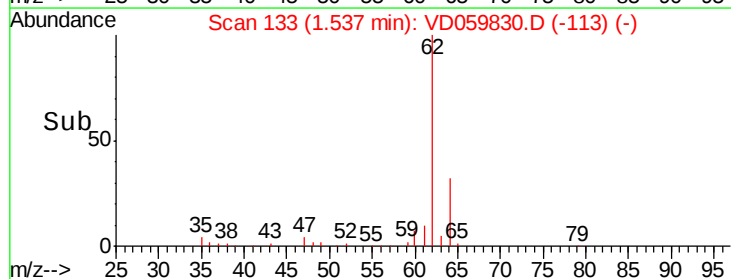
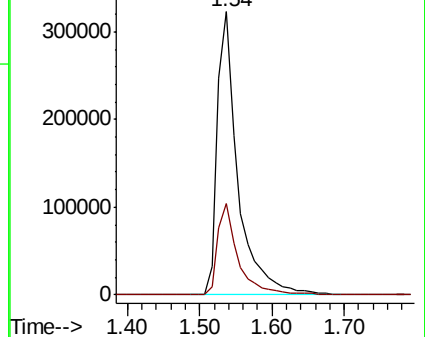
62 100

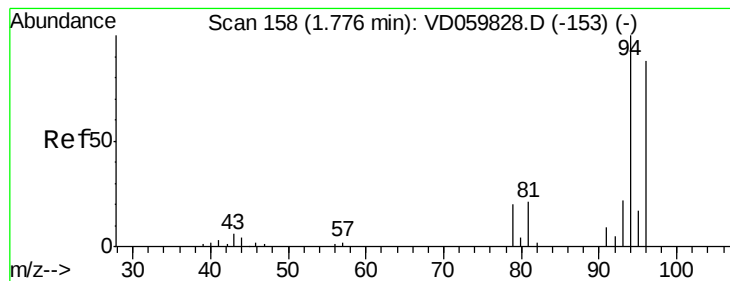
64 32.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 78.438 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

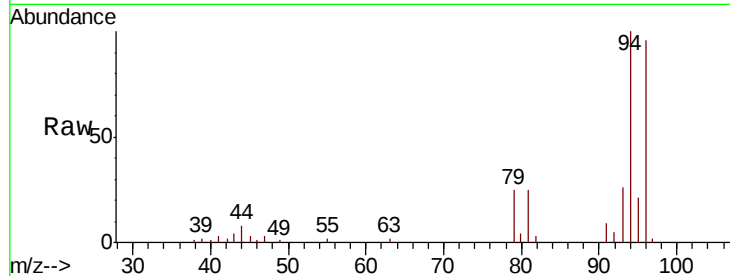
VSTDIC100

Tgt Ion: 94 Resp: 66290

Ion Ratio Lower Upper

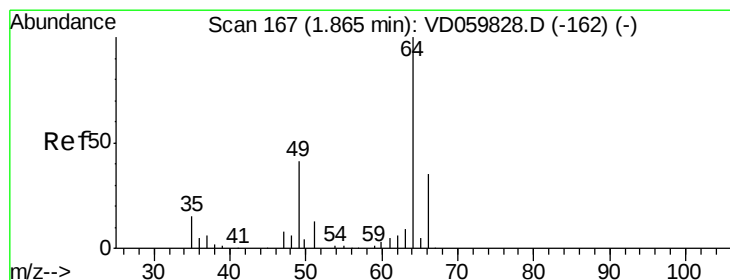
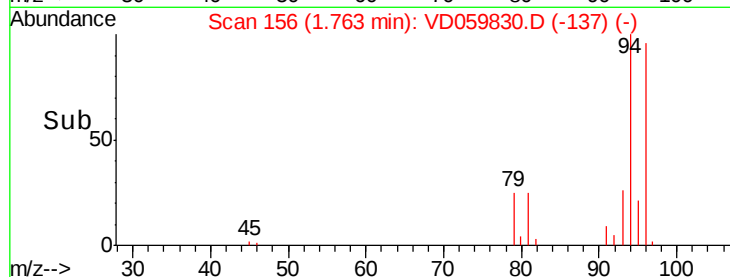
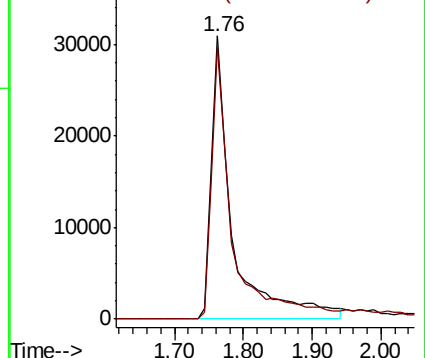
94 100

96 95.9 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.718 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059830.D

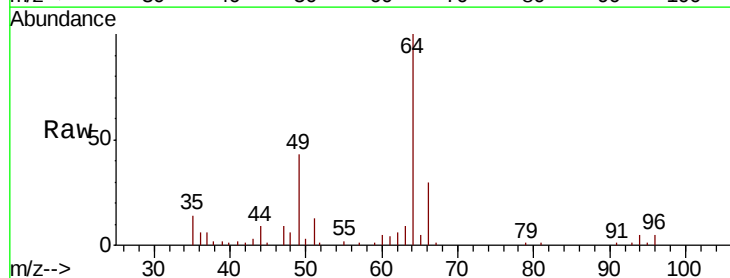
Acq: 20 Aug 2018 14:23

Tgt Ion: 64 Resp: 126658

Ion Ratio Lower Upper

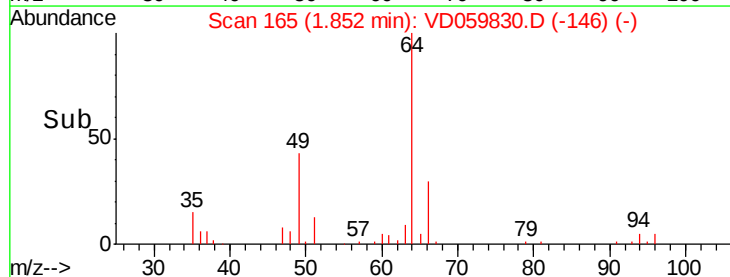
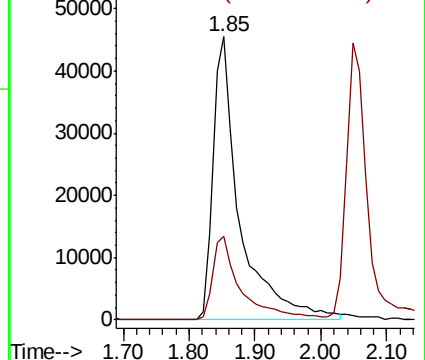
64 100

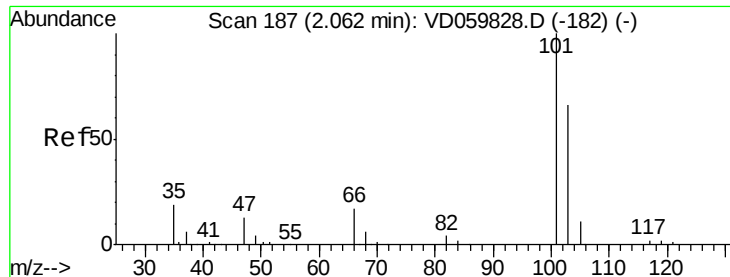
66 29.8 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



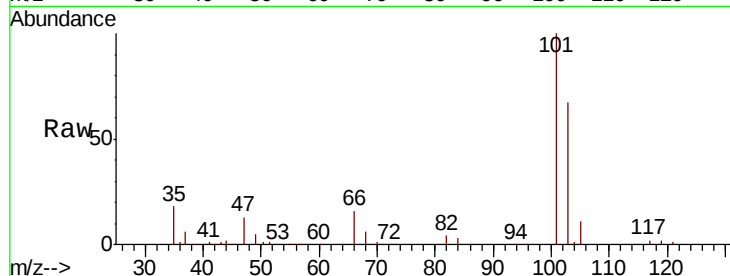


#7

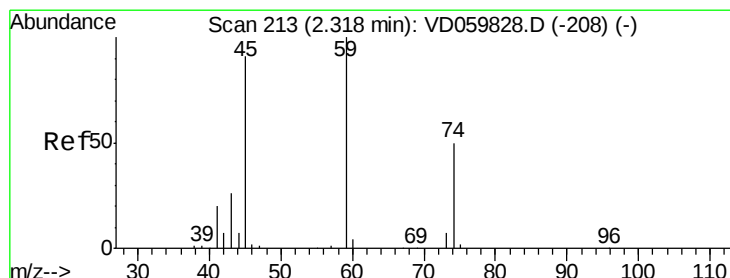
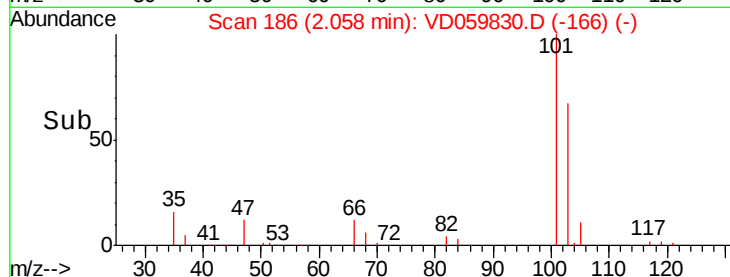
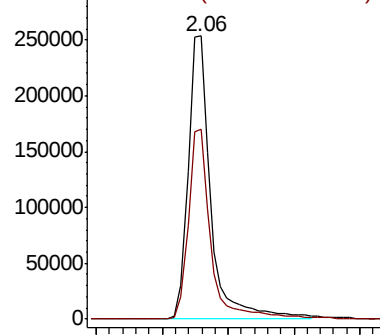
Trichlorofluoromethane
Concen: 92.209 ug/l
RT: 2.06 min Scan# 186
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion: 101 Resp: 603958
Ion Ratio Lower Upper
101 100
103 66.9 53.0 79.4



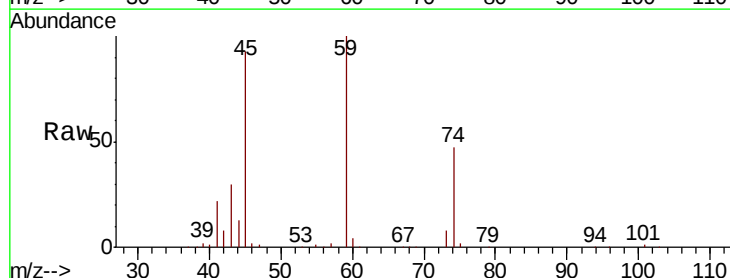
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



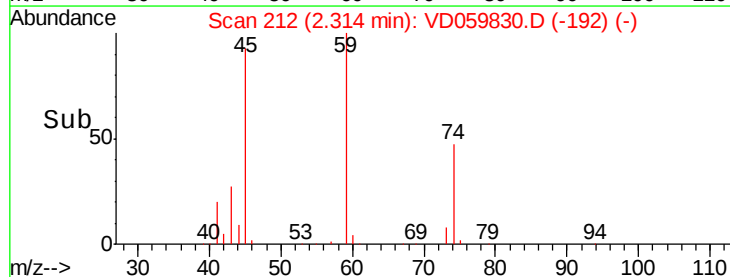
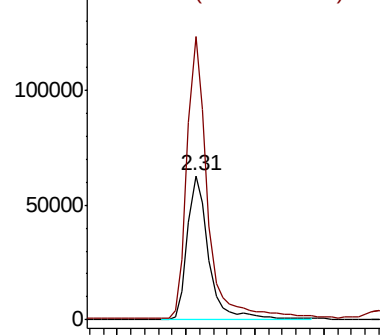
#8

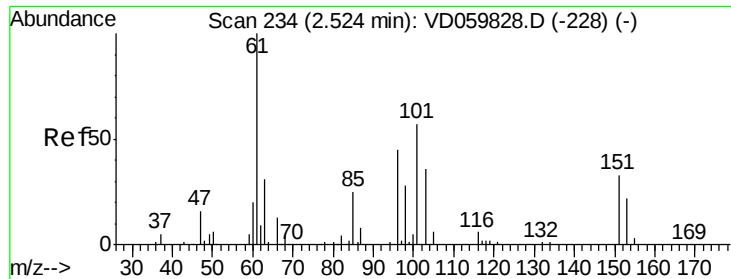
Diethyl Ether
Concen: 94.766 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 74 Resp: 136580
Ion Ratio Lower Upper
74 100
45 196.2 90.6 271.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.210 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

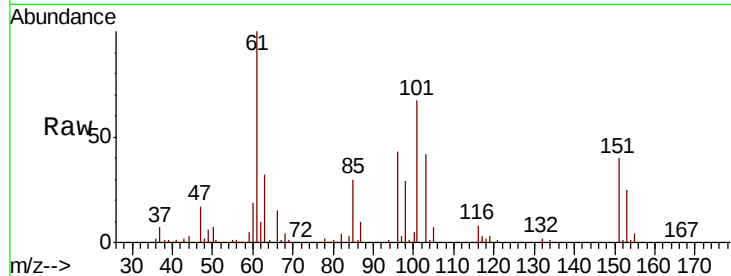
Tgt Ion:101 Resp: 374108

Ion Ratio Lower Upper

101 100

85 45.1 35.7 53.5

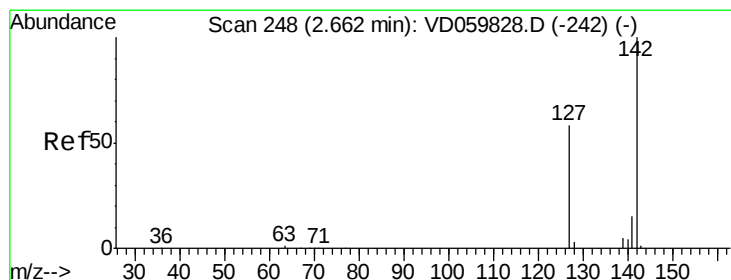
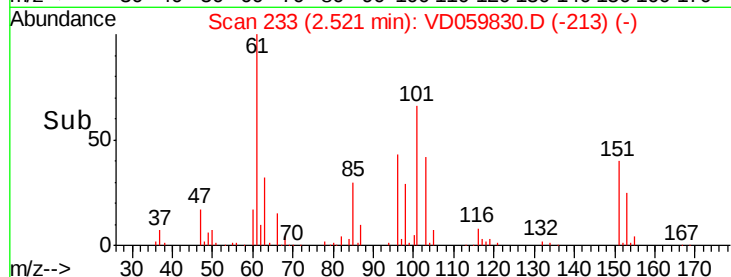
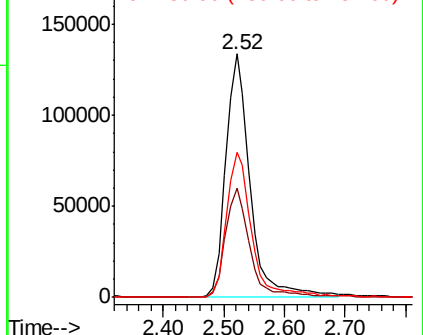
151 59.5 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 114.983 ug/l

RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

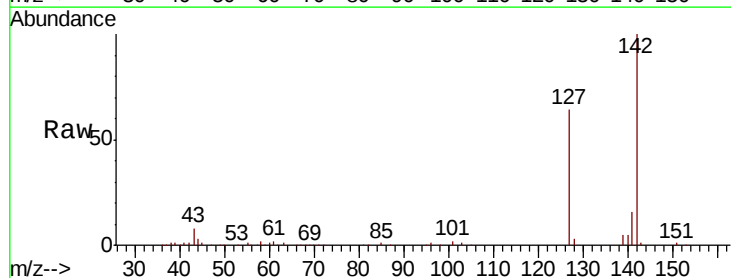
Tgt Ion:142 Resp: 487584

Ion Ratio Lower Upper

142 100

127 64.1 46.6 69.8

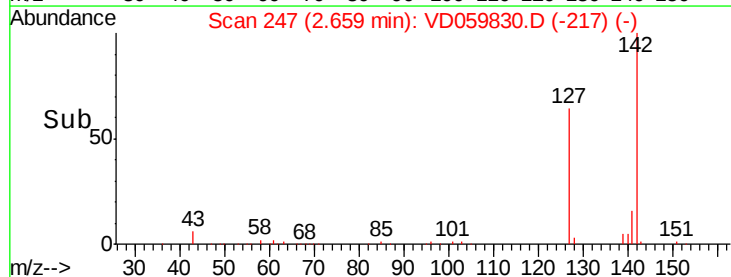
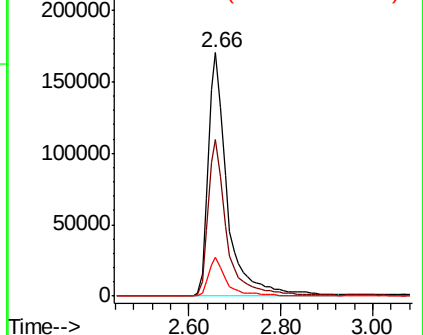
141 16.0 11.7 17.5

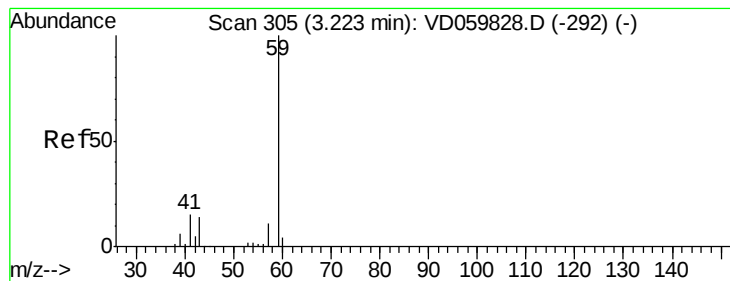


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



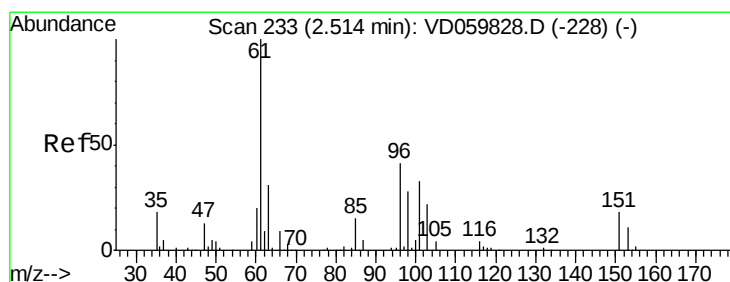
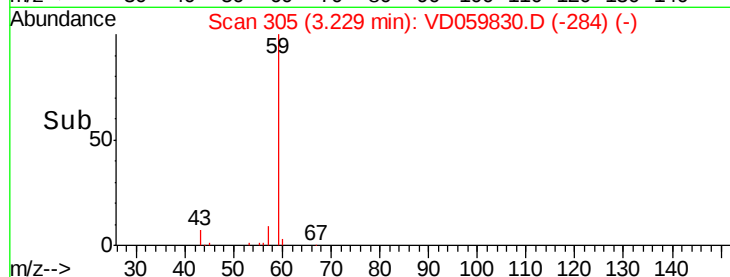
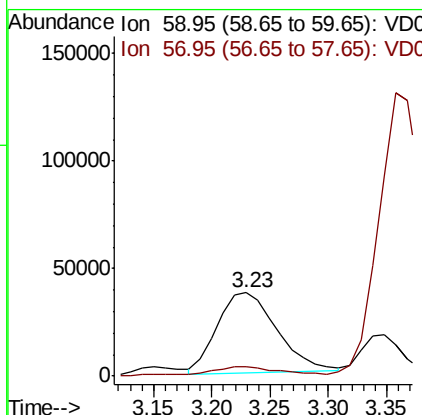
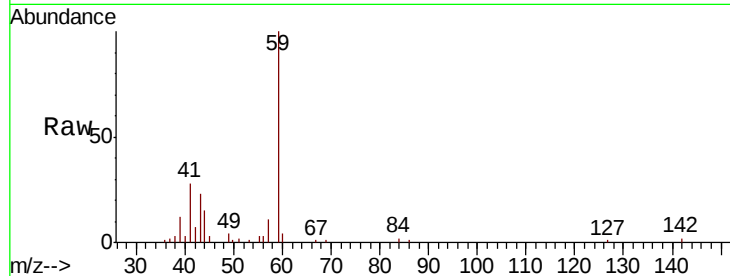


#11

Tert butyl alcohol
 Concen: 402.000 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

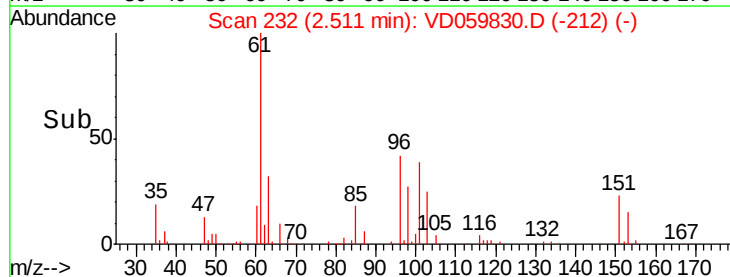
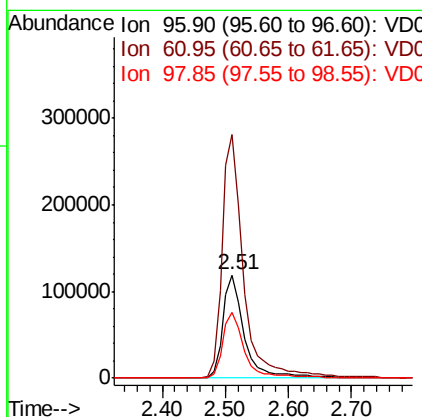
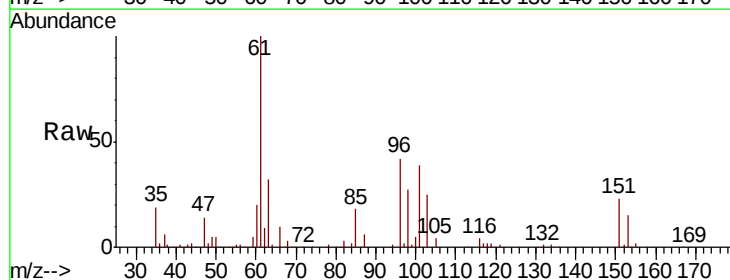
Tgt Ion: 59 Resp: 131455
 Ion Ratio Lower Upper
 59 100
 57 10.8 10.3 15.5

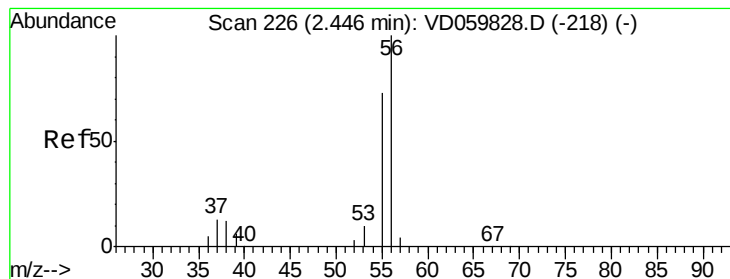


#12

1,1-Dichloroethene
 Concen: 88.181 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 96 Resp: 282869
 Ion Ratio Lower Upper
 96 100
 61 235.7 194.0 291.0
 98 63.7 53.4 80.0





#13

Acrolein

Concen: 517.344 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

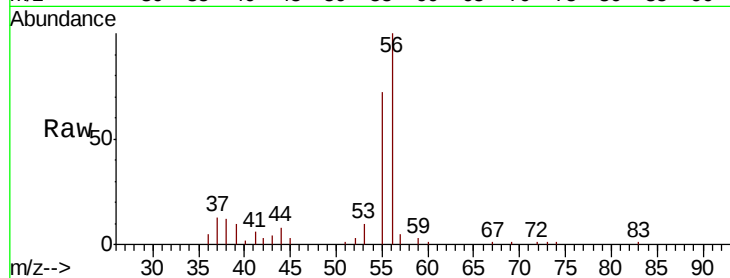
VSTDIC100

Tgt Ion: 56 Resp: 159426

Ion Ratio Lower Upper

56 100

55 71.7 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

80000

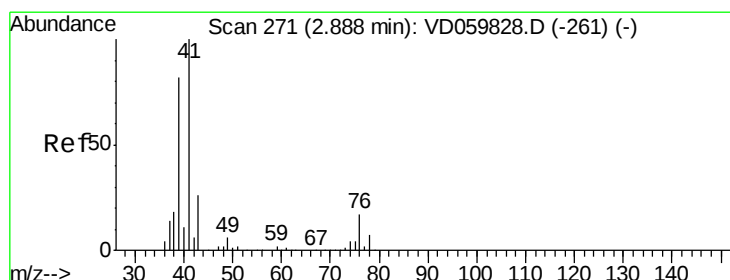
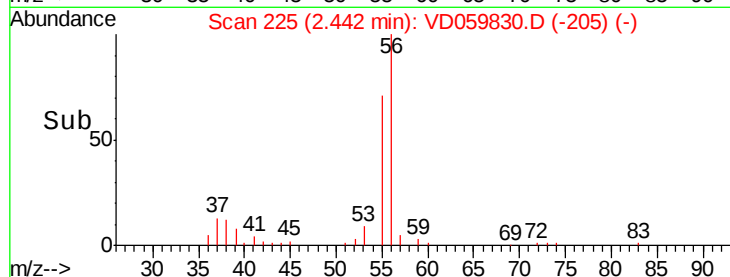
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 92.792 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

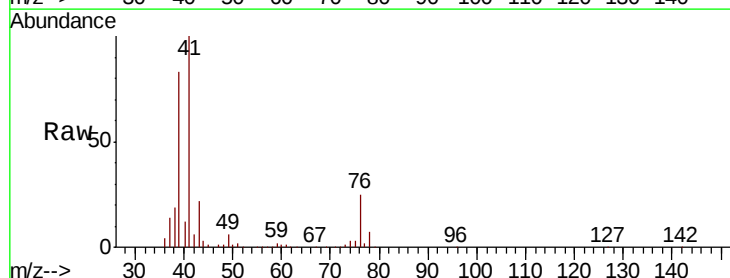
Tgt Ion: 41 Resp: 789114

Ion Ratio Lower Upper

41 100

39 82.9 65.9 98.9

76 24.8 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

600000

500000

400000

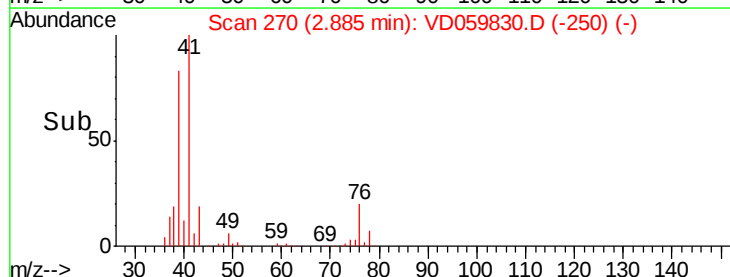
300000

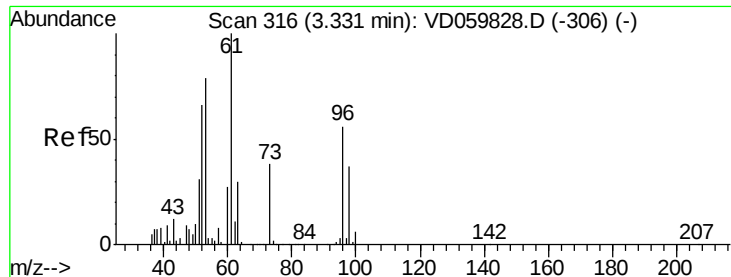
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 436.951 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

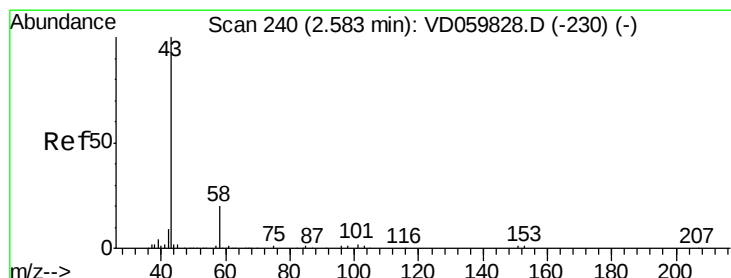
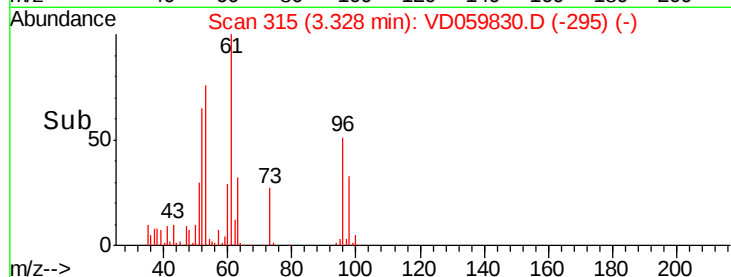
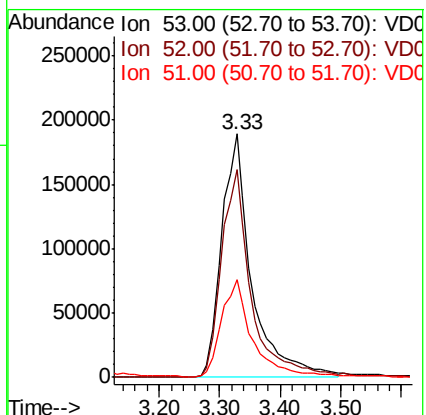
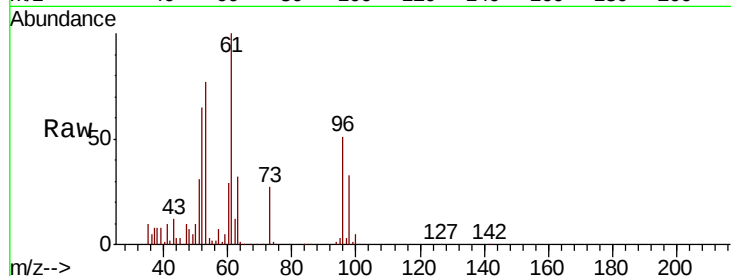
Tgt Ion: 53 Resp: 645252

Ion Ratio Lower Upper

53 100

52 85.3 66.8 100.2

51 40.1 31.6 47.4



#16

Acetone

Concen: 497.711 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059830.D

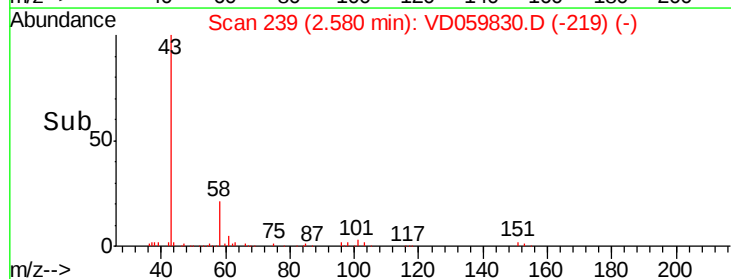
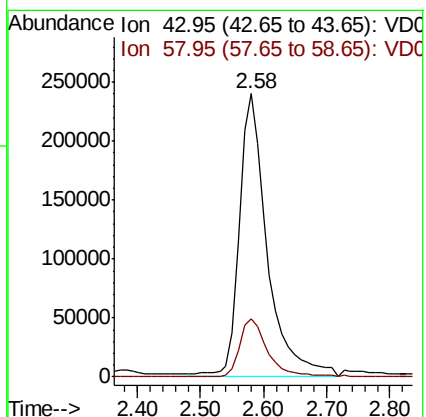
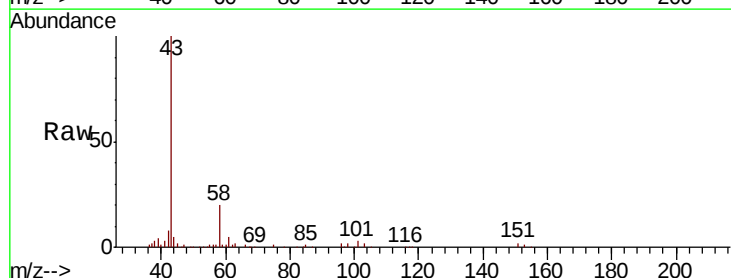
Acq: 20 Aug 2018 14:23

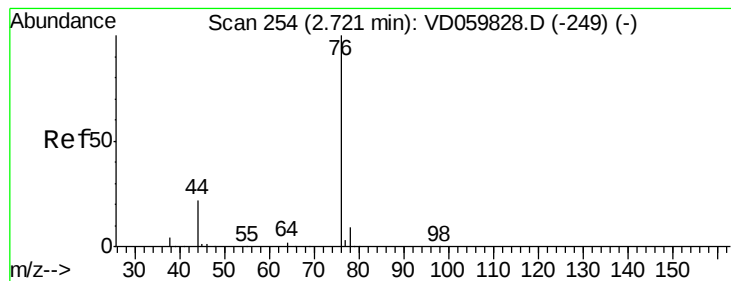
Tgt Ion: 43 Resp: 734528

Ion Ratio Lower Upper

43 100

58 20.4 16.2 24.2





#17

Carbon Disulfide

Concen: 100.500 ug/l

RT: 2.72 min Scan# 253

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

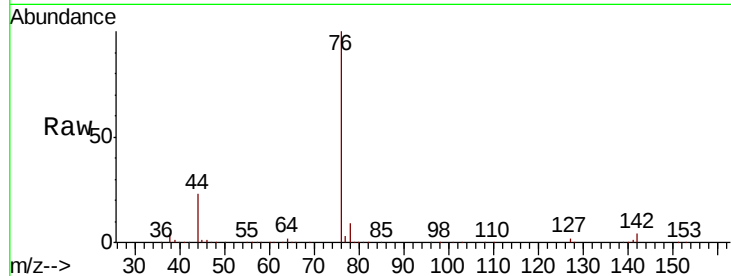
VSTDIC100

Tgt Ion: 76 Resp: 1079241

Ion Ratio Lower Upper

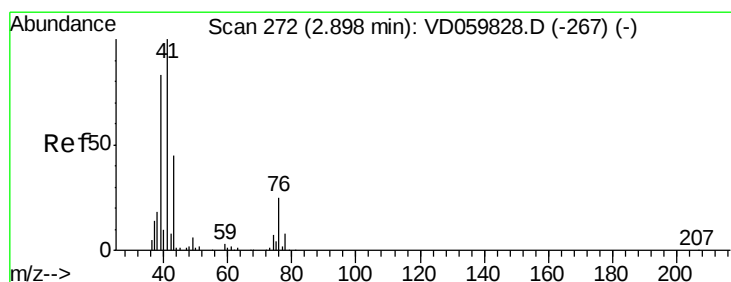
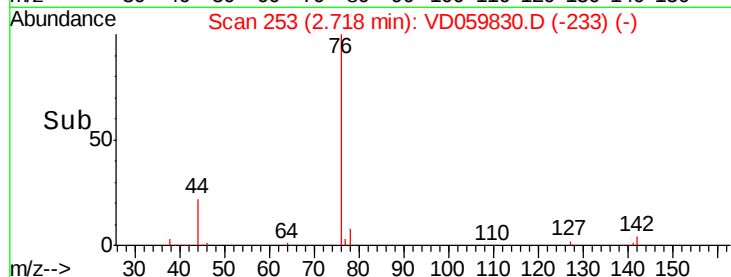
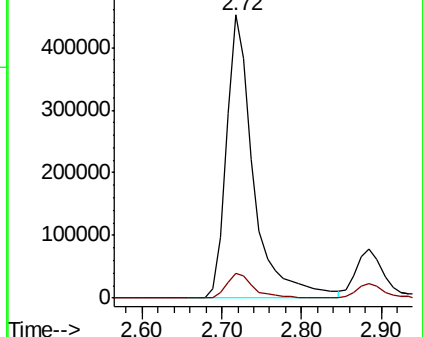
76 100

78 9.0 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 86.979 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD059830.D

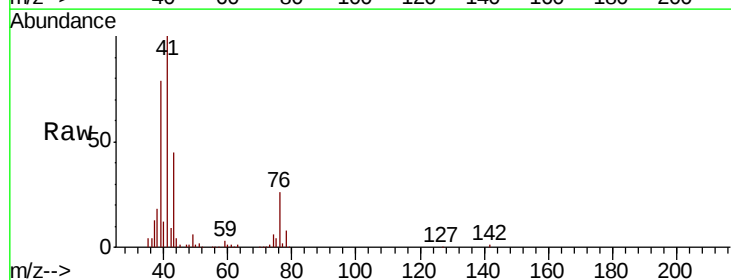
Acq: 20 Aug 2018 14:23

Tgt Ion: 43 Resp: 280092

Ion Ratio Lower Upper

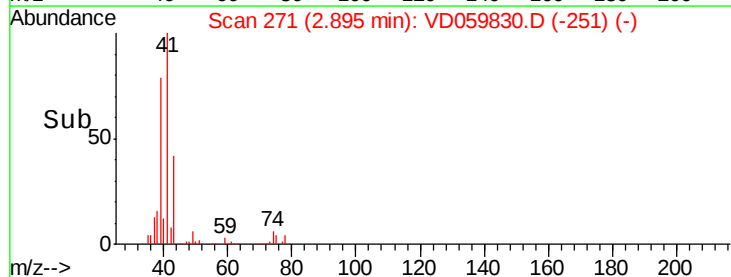
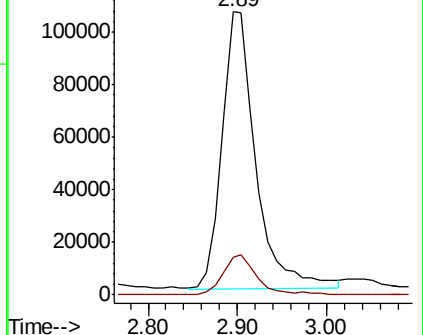
43 100

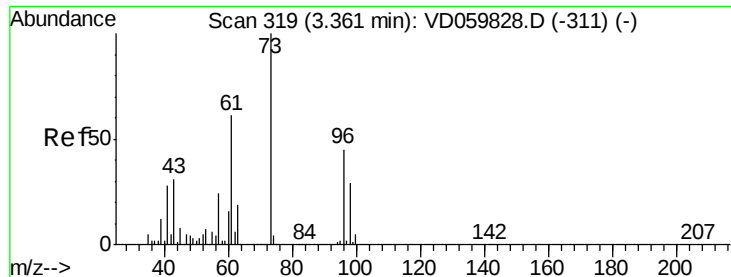
74 13.4 11.4 17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

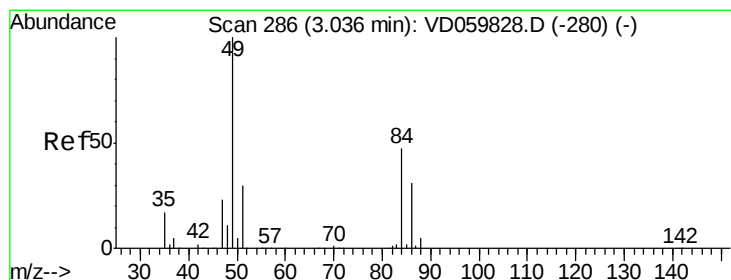
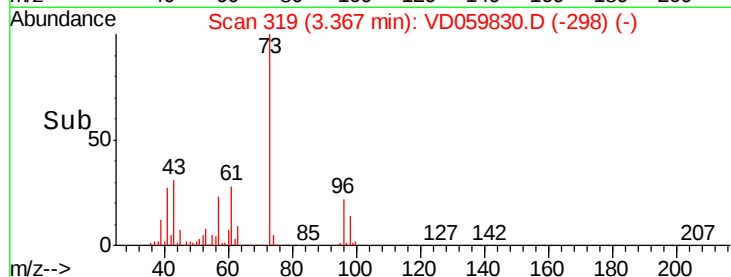
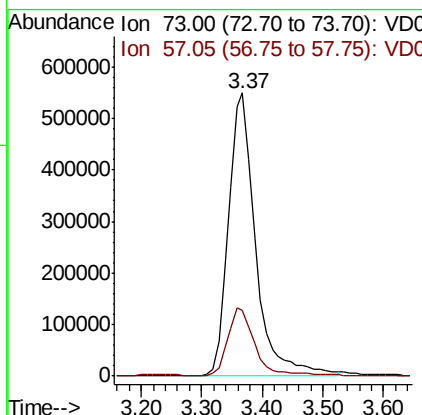
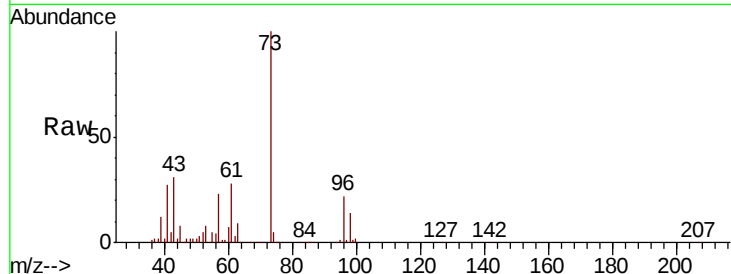




#19
Methyl tert-butyl Ether
Concen: 90.643 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

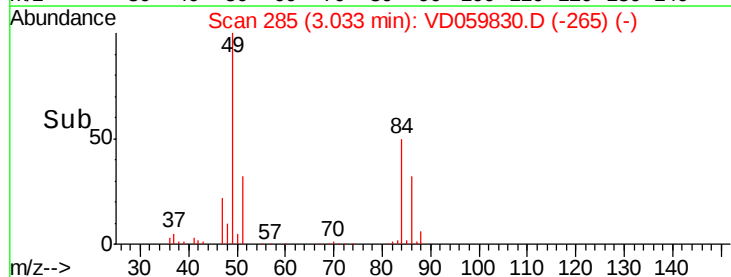
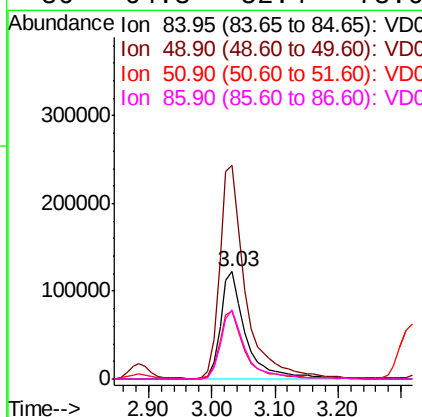
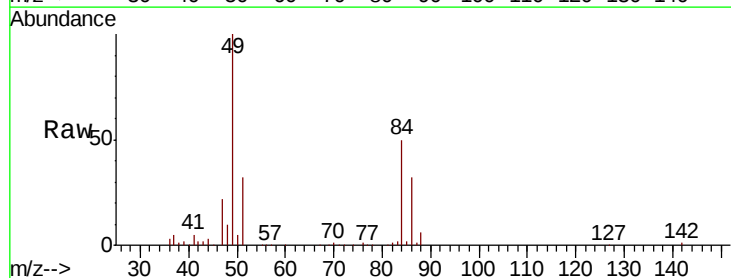
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

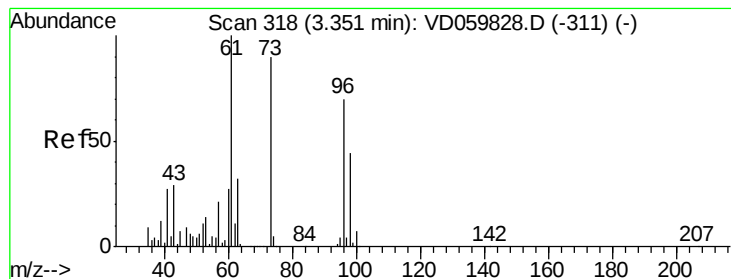
Tgt Ion: 73 Resp: 1705223
Ion Ratio Lower Upper
73 100
57 23.4 19.4 29.0



#20
Methylene Chloride
Concen: 67.683 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 84 Resp: 338518
Ion Ratio Lower Upper
84 100
49 198.9 170.4 255.6
51 62.9 51.4 77.0
86 64.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 87.989 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

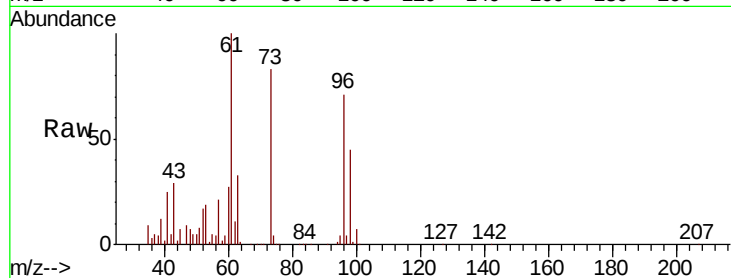
Tgt Ion: 96 Resp: 789274

Ion Ratio Lower Upper

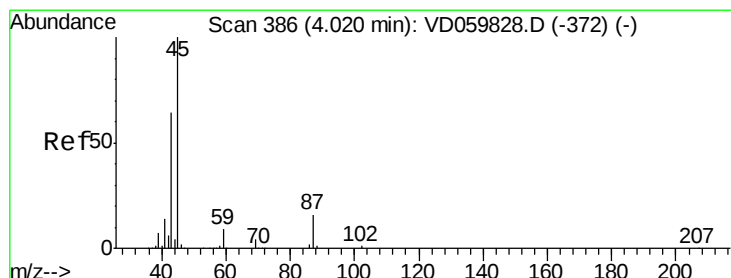
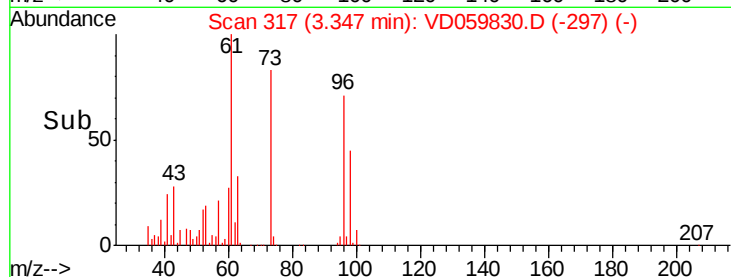
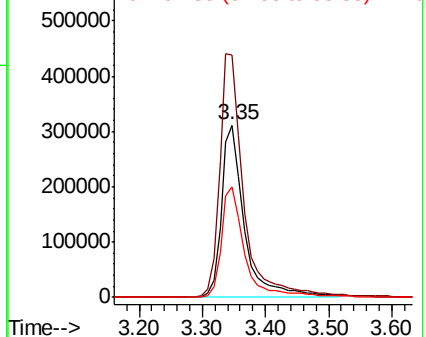
96 100

61 140.8 114.1 171.1

98 63.8 50.1 75.1



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



#22

Diisopropyl ether

Concen: 90.805 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion: 45 Resp: 3974572

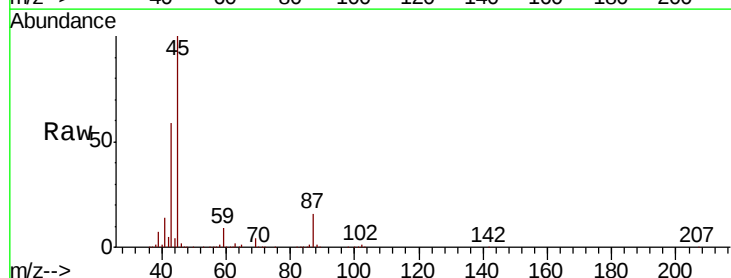
Ion Ratio Lower Upper

45 100

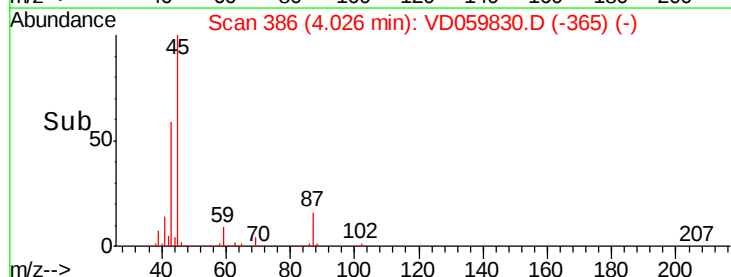
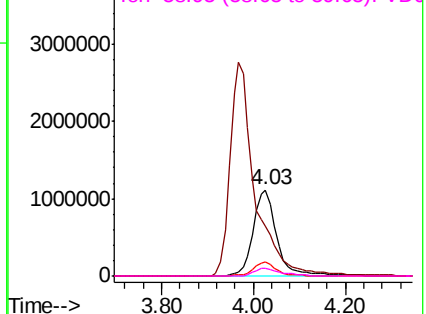
43 58.6 51.1 76.7

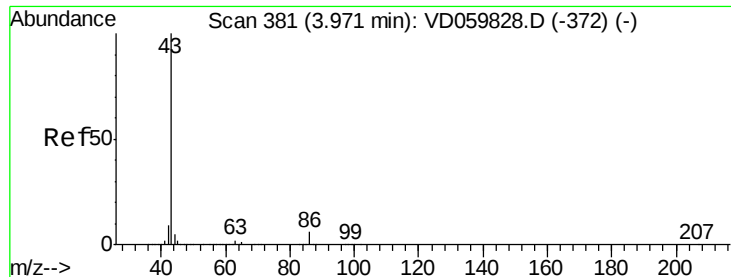
87 16.4 12.5 18.7

59 9.0 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

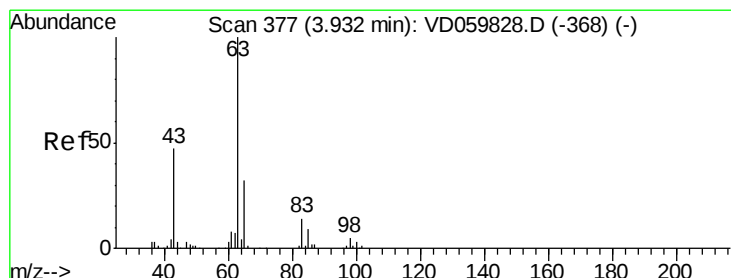
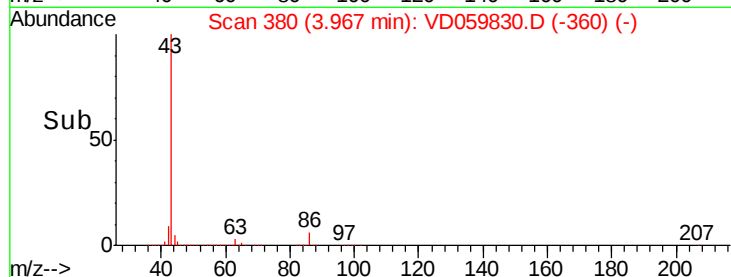
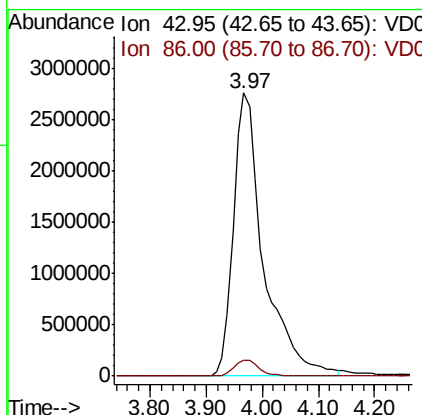
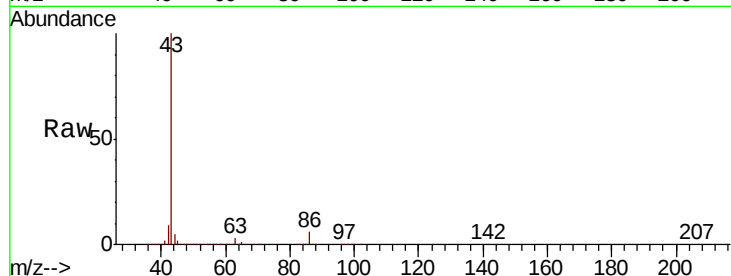




#23
 Vinyl Acetate
 Concen: 435.187 ug/l
 RT: 3.97 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

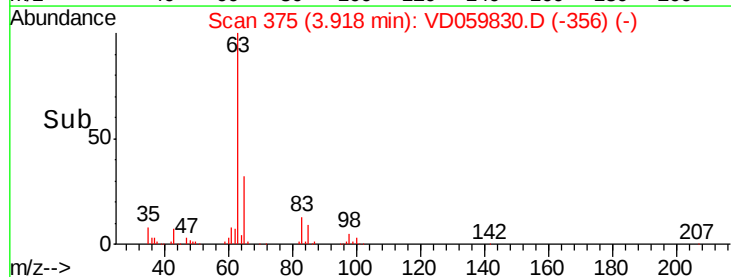
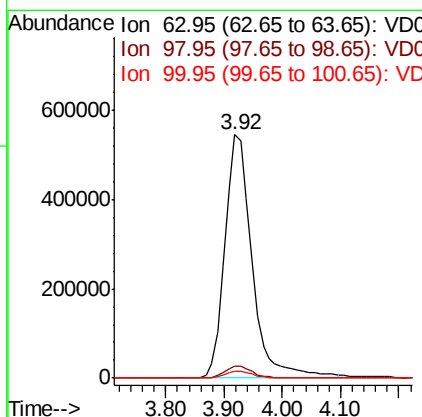
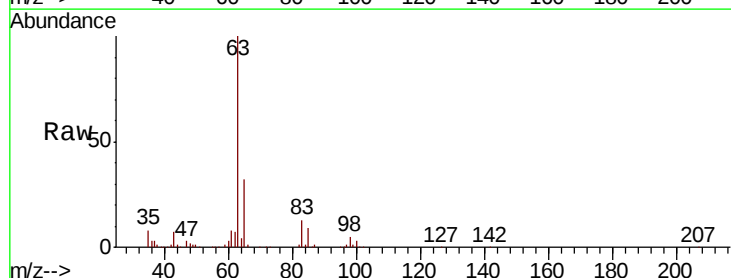
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

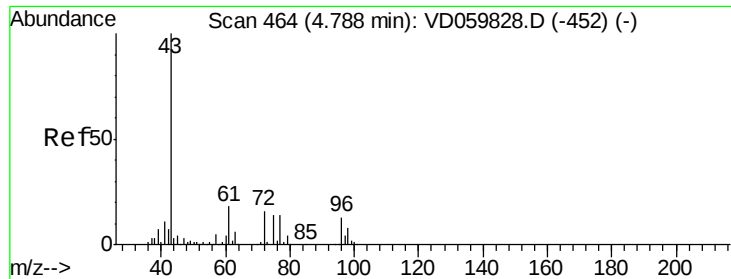
Tgt Ion: 43 Resp:10287330
 Ion Ratio Lower Upper
 43 100
 86 5.8 4.6 7.0



#24
 1,1-Dichloroethane
 Concen: 92.704 ug/l
 RT: 3.92 min Scan# 375
 Delta R.T. -0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 63 Resp: 1773863
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.5 7.6
 100 3.0 1.7 5.0





#25

2-Butanone

Concen: 497.631 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

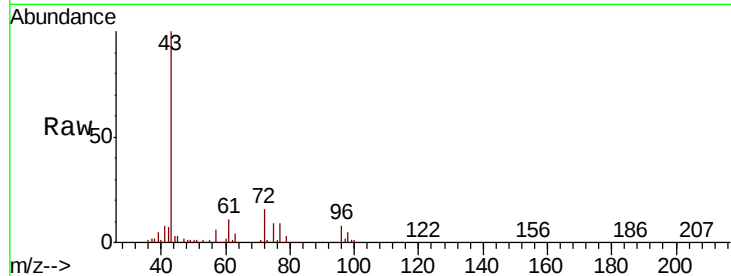
VSTDIC100

Tgt Ion: 43 Resp: 2205293

Ion Ratio Lower Upper

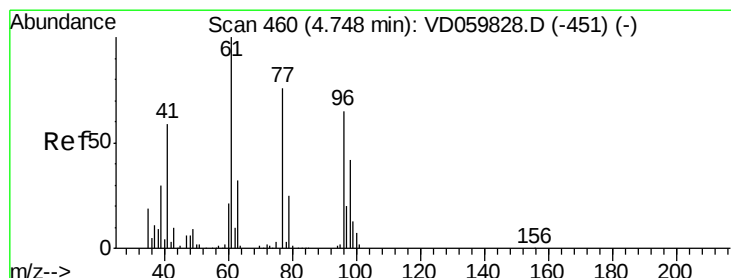
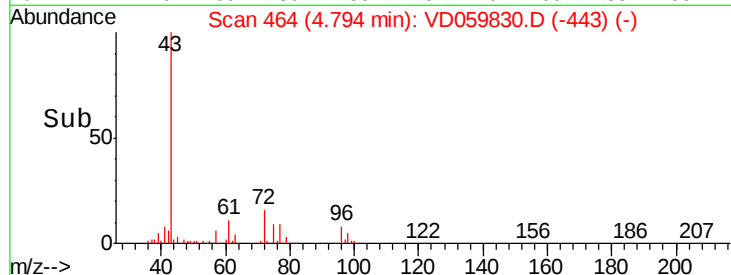
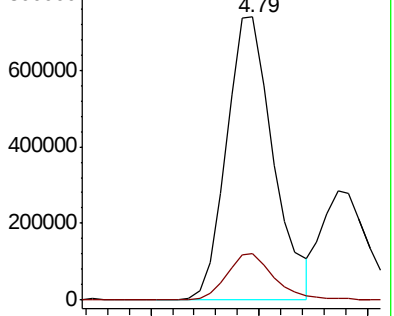
43 100

72 16.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 87.637 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059830.D

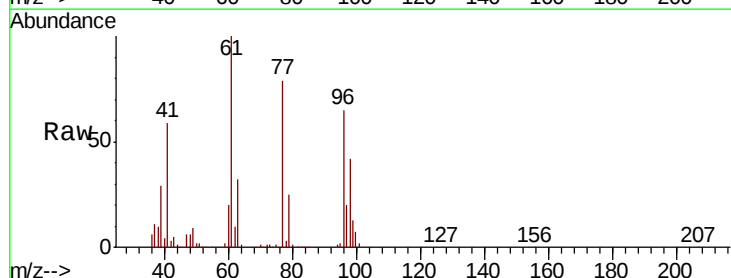
Acq: 20 Aug 2018 14:23

Tgt Ion: 77 Resp: 1330440

Ion Ratio Lower Upper

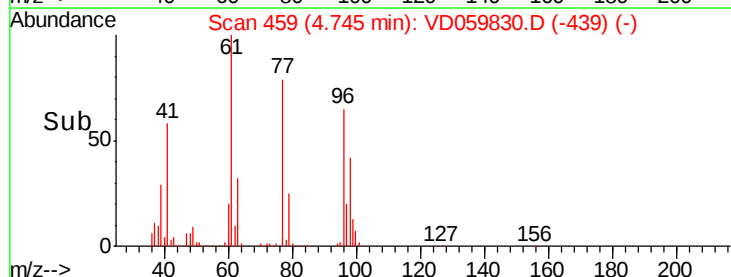
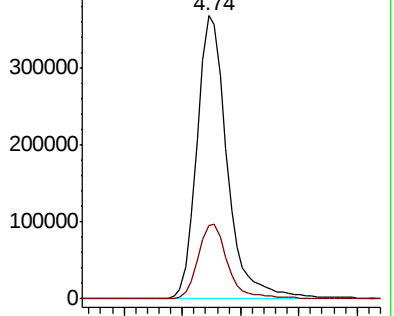
77 100

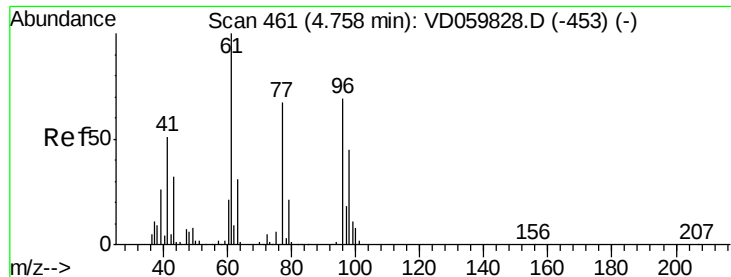
97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



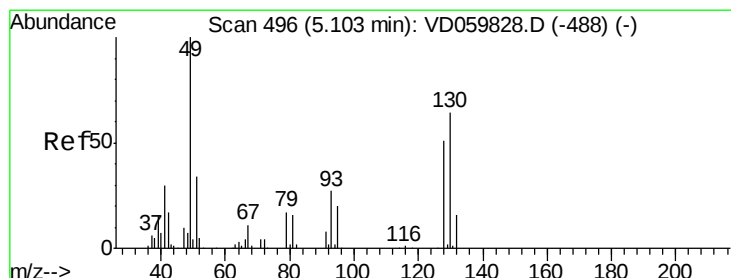
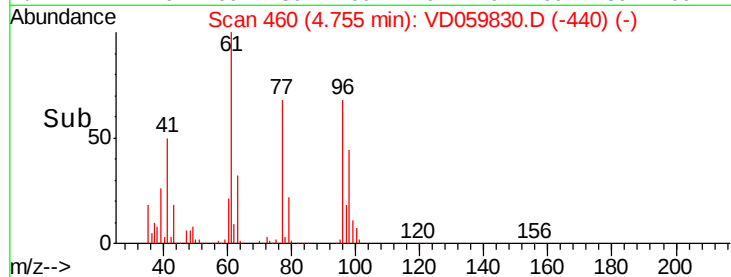
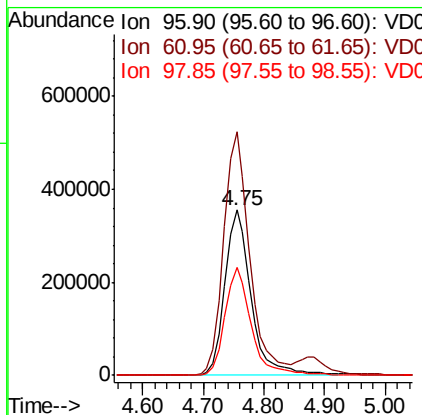
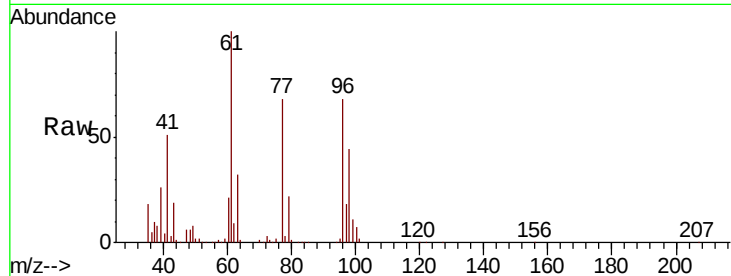


#27

cis-1,2-Dichloroethene
 Concen: 92.814 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

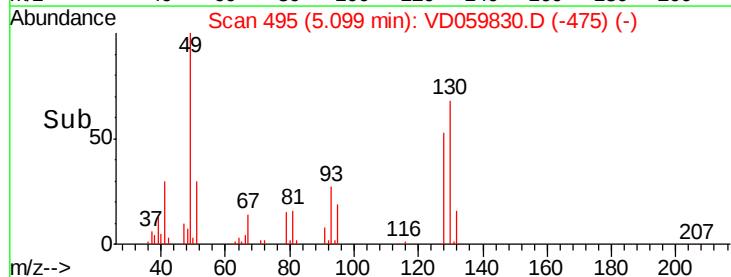
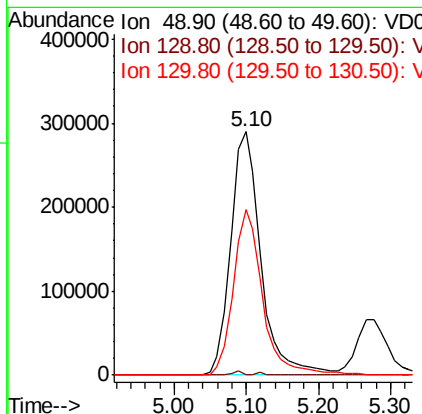
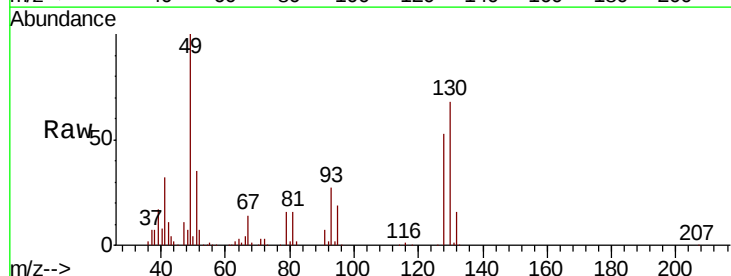
Tgt Ion: 96 Resp: 1071271
 Ion Ratio Lower Upper
 96 100
 61 147.6 0.0 291.8
 98 65.3 0.0 131.6

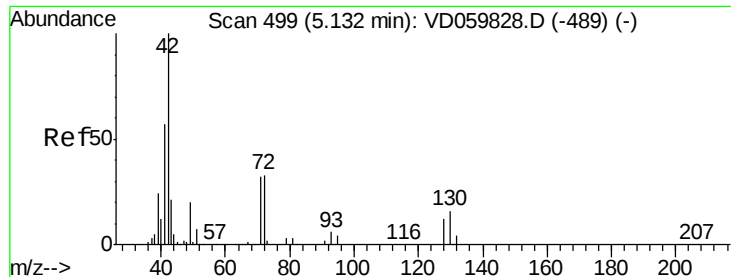


#28

Bromochloromethane
 Concen: 86.602 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 49 Resp: 849431
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 68.2 51.0 76.6

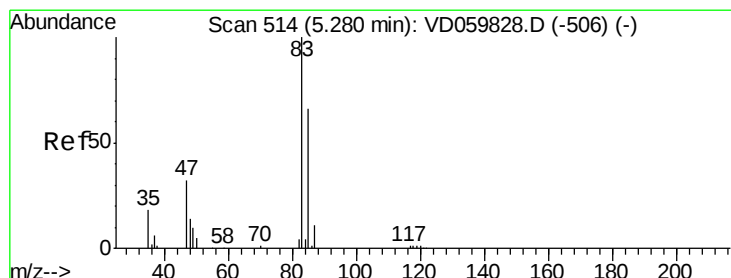
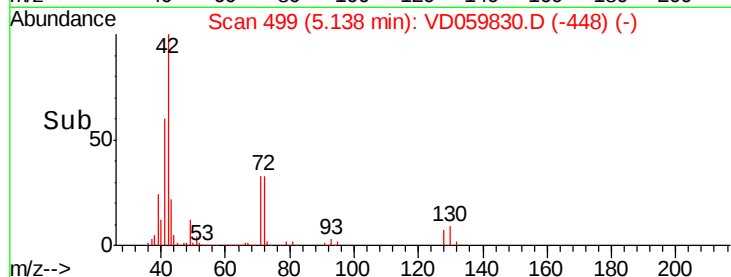
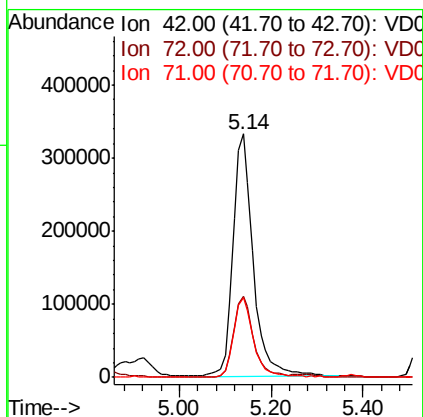
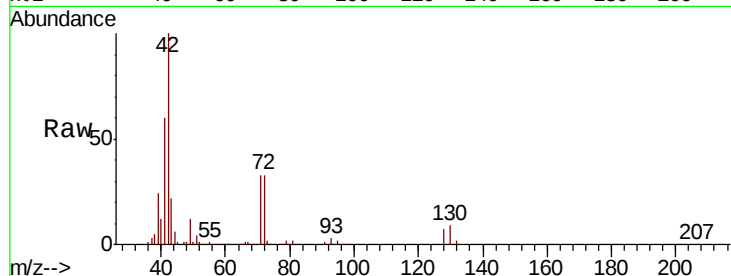




#29
Tetrahydrofuran
Concen: 461.534 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

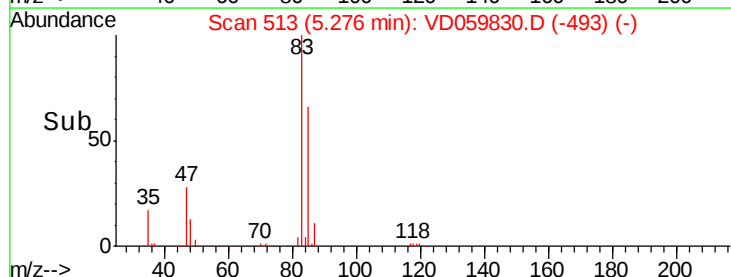
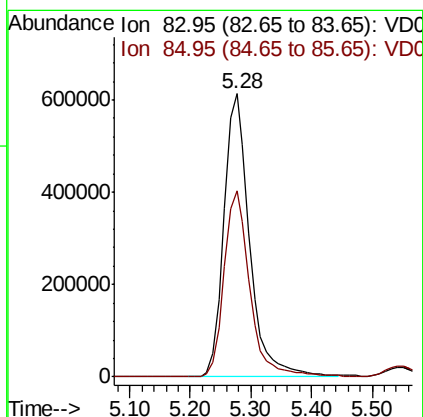
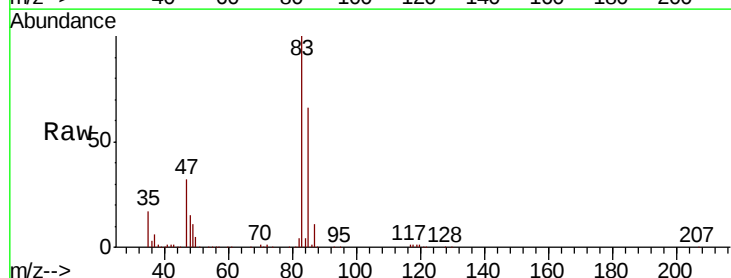
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

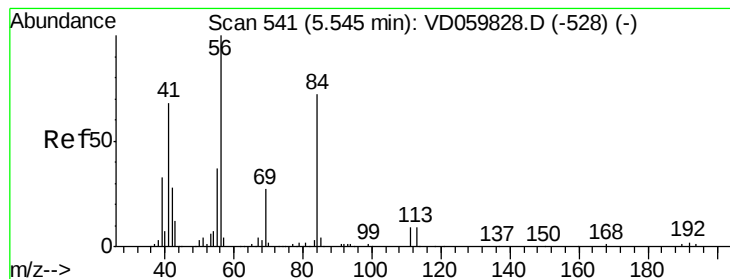
Tgt Ion: 42 Resp: 1025842
Ion Ratio Lower Upper
42 100
72 32.8 25.8 38.6
71 32.4 25.7 38.5



#30
Chloroform
Concen: 95.862 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 83 Resp: 1806663
Ion Ratio Lower Upper
83 100
85 65.9 52.9 79.3





#31

Cyclohexane

Concen: 90.568 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

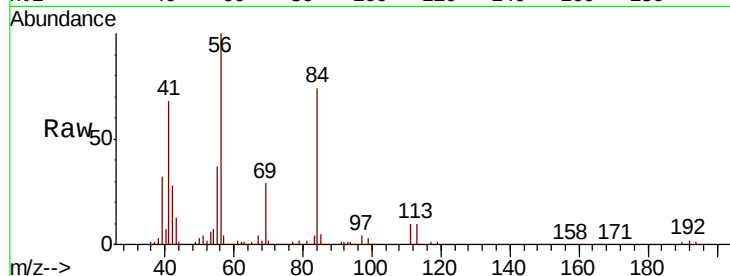
Tgt Ion: 56 Resp: 1583718

Ion Ratio Lower Upper

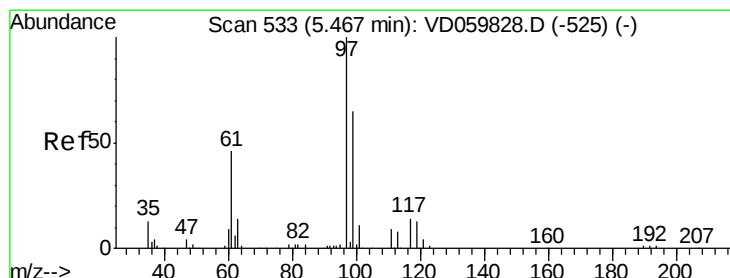
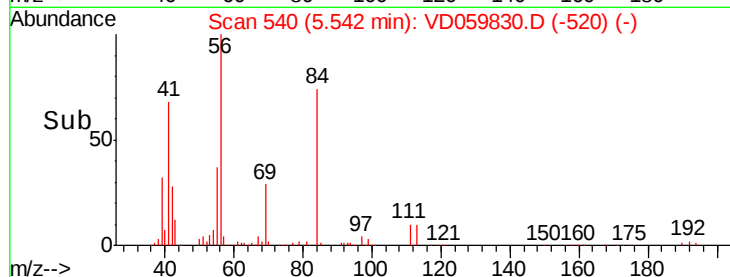
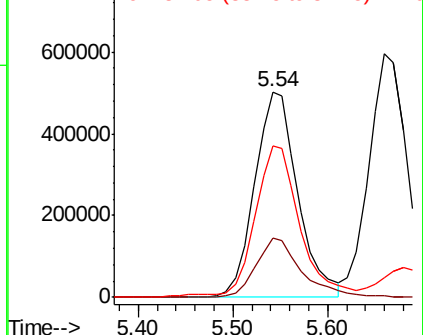
56 100

69 28.7 21.7 32.5

84 73.9 57.8 86.6



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



#32

1,1,1-Trichloroethane

Concen: 95.860 ug/l

RT: 5.46 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

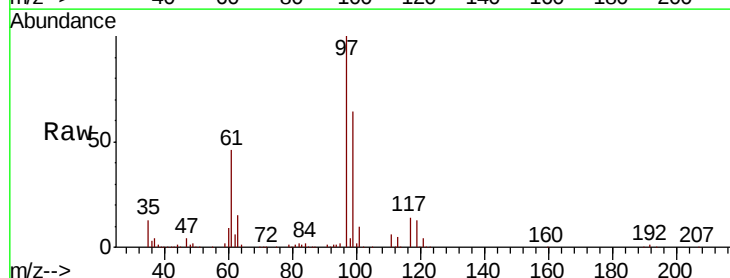
Tgt Ion: 97 Resp: 1525050

Ion Ratio Lower Upper

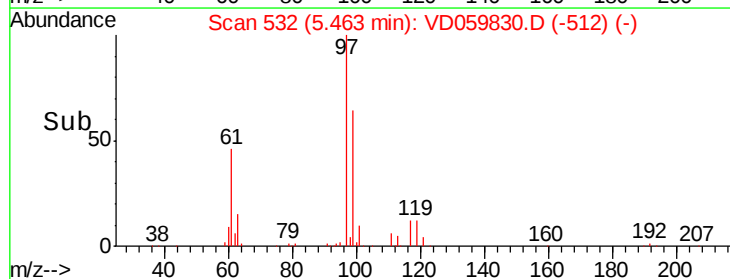
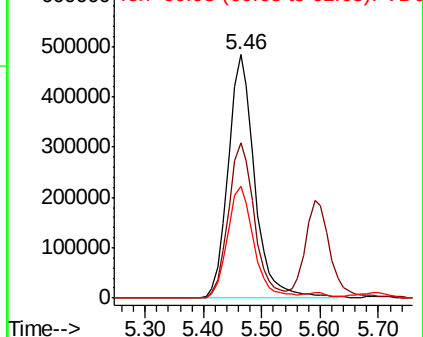
97 100

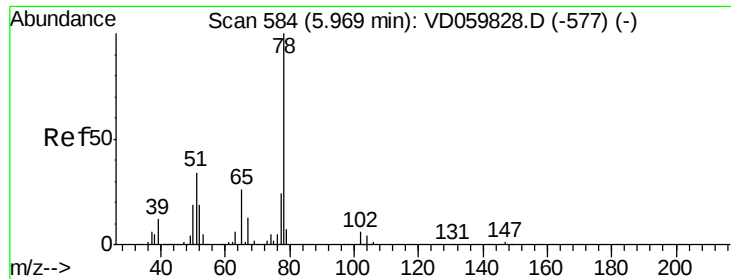
99 64.0 51.9 77.9

61 45.9 37.0 55.6



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

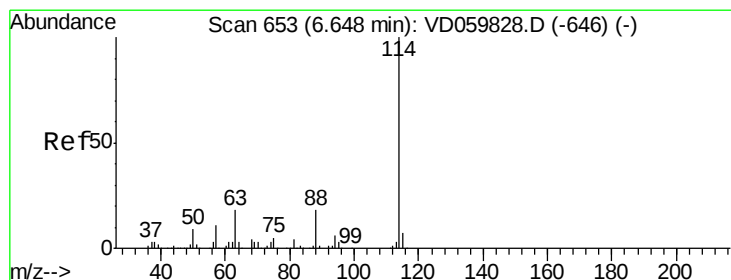
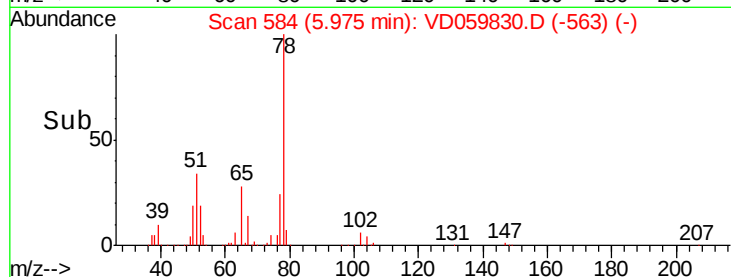
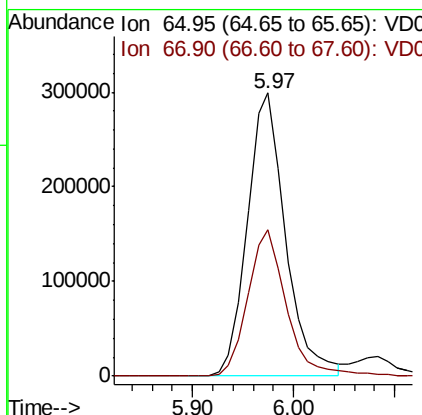
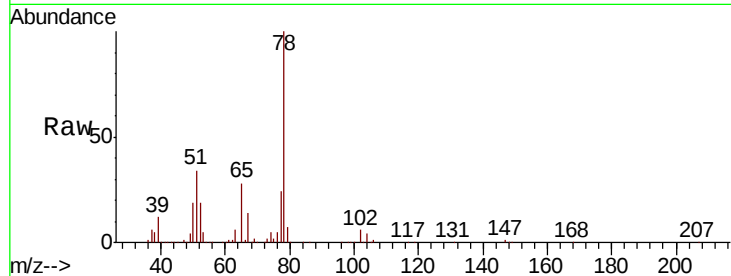




#33
 1,2-Dichloroethane-d4
 Concen: 95.860 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

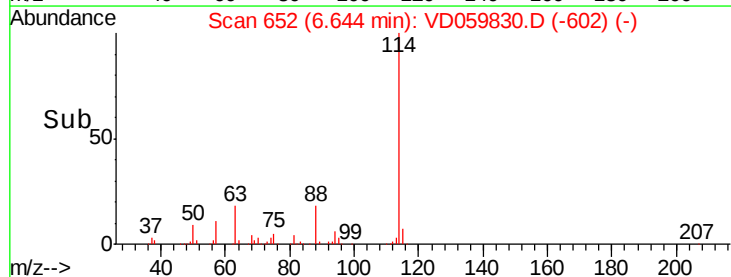
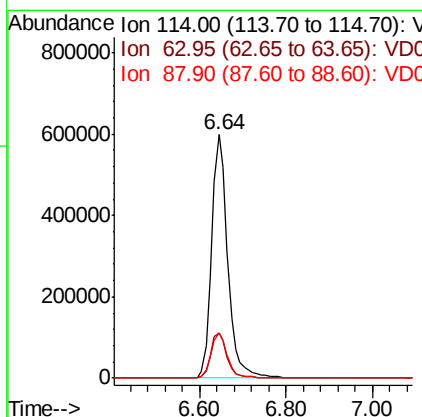
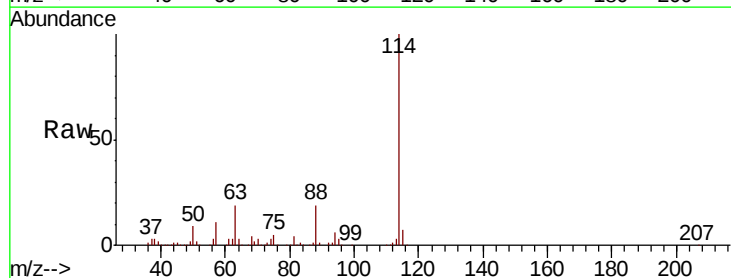
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

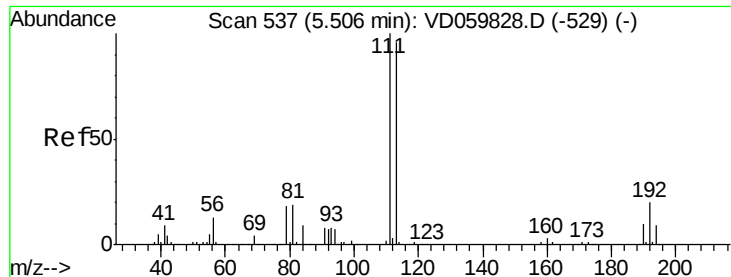
Tgt Ion: 65 Resp: 787292
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 114 Resp: 1551193
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 18.6 0.0 37.0

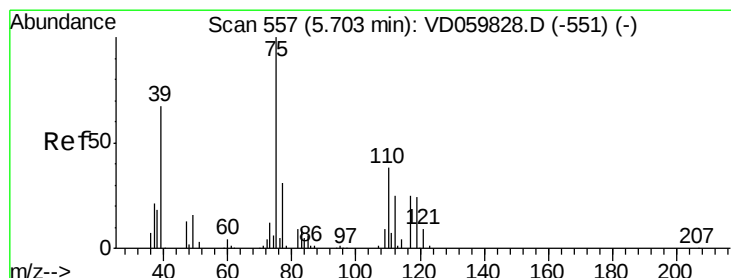
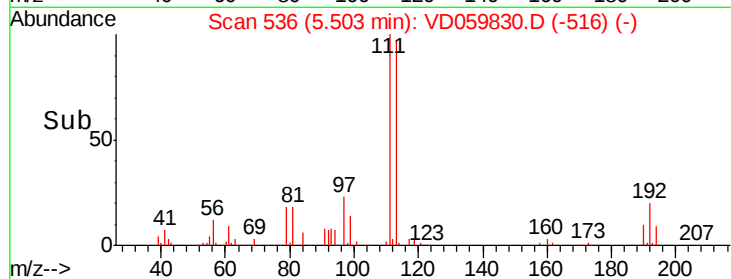
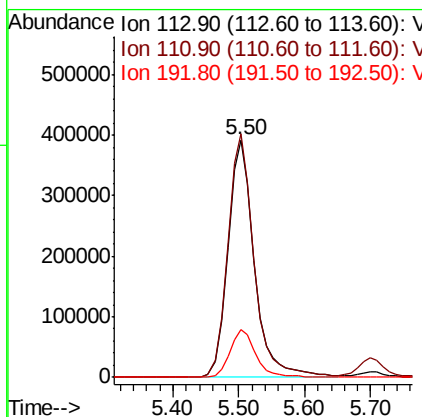
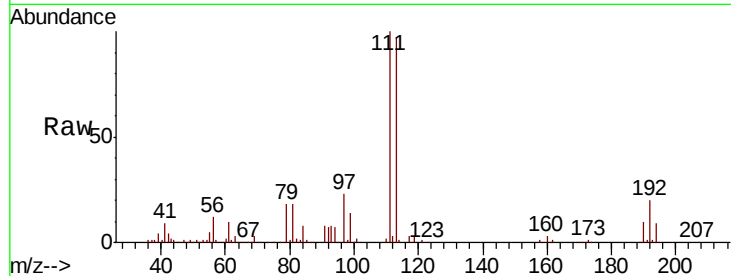




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

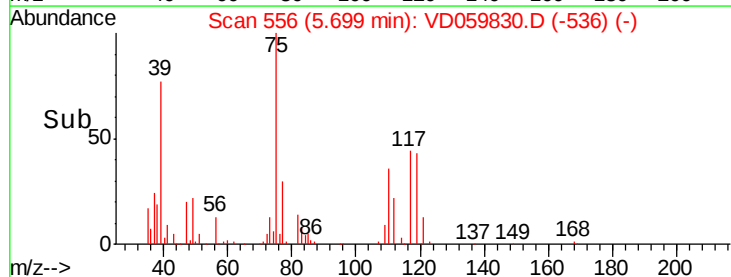
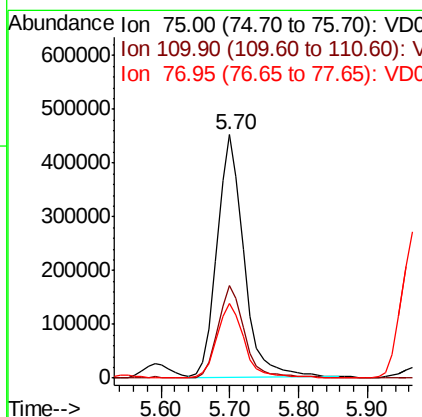
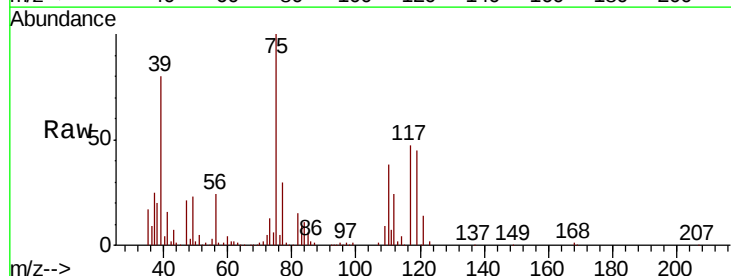
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

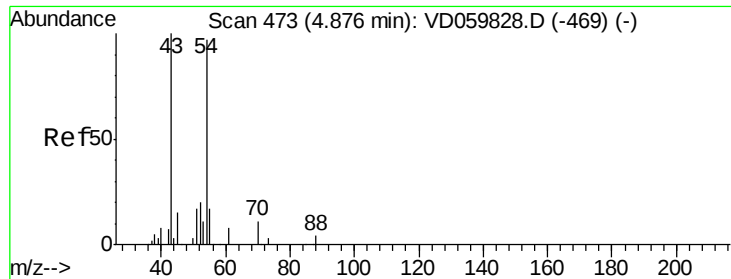
Tgt Ion:113 Resp: 1099282
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.3 124.9
 192 20.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 90.640 ug/l
 RT: 5.70 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 75 Resp: 1209493
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.8 56.4
 77 30.5 24.9 37.3

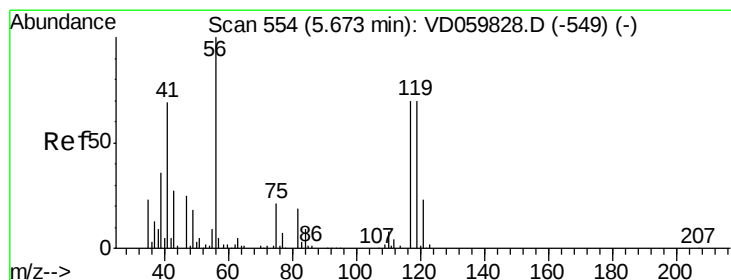
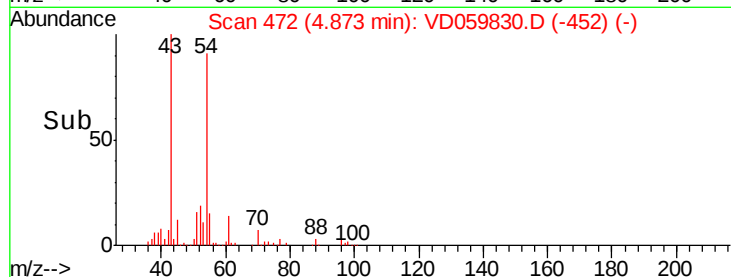
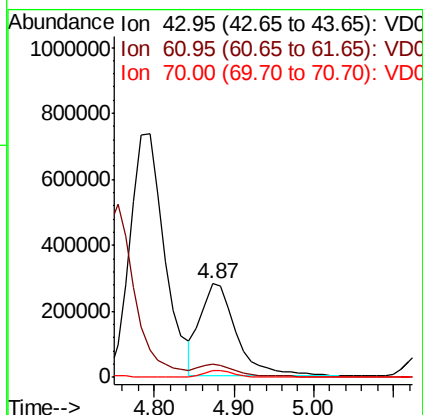
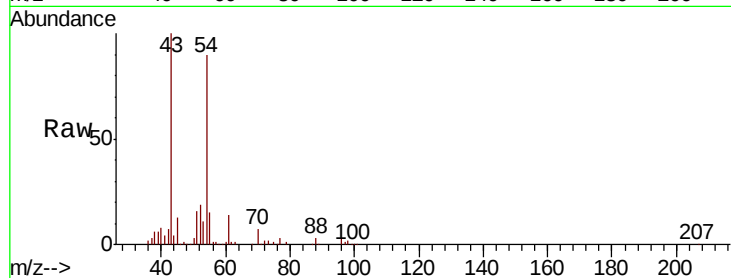




#37
 Ethyl Acetate
 Concen: 90.117 ug/l
 RT: 4.87 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

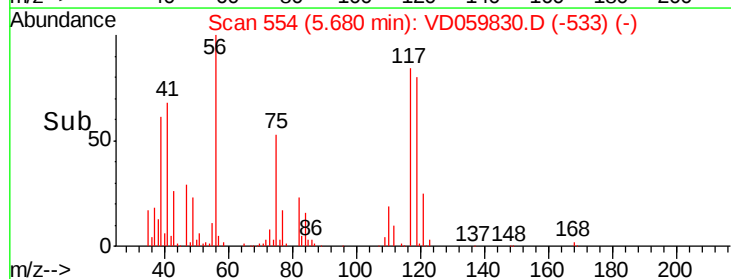
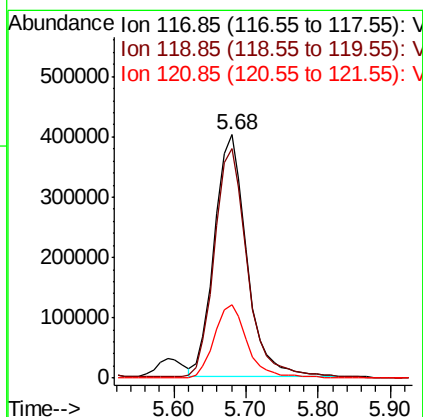
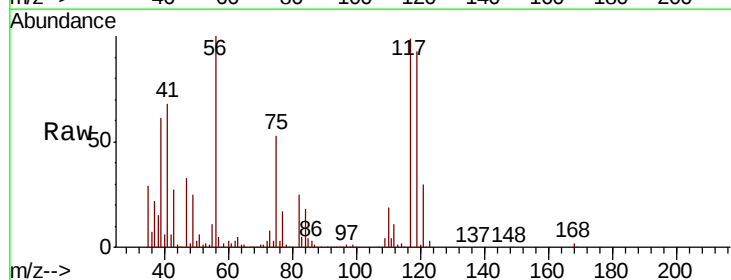
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

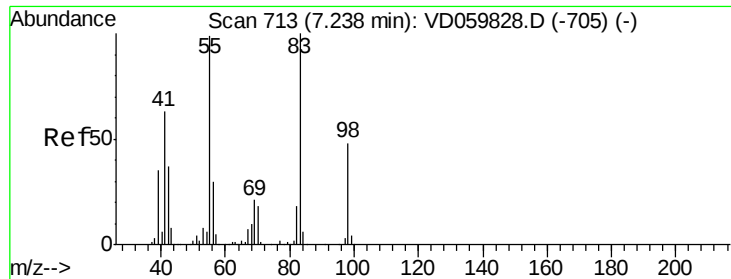
Tgt Ion: 43 Resp: 875038
 Ion Ratio Lower Upper
 43 100
 61 13.9 10.4 15.6
 70 7.4 6.2 9.2



#38
 Carbon Tetrachloride
 Concen: 93.012 ug/l
 RT: 5.68 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 117 Resp: 1234061
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.0 115.4
 121 30.1 24.7 37.1

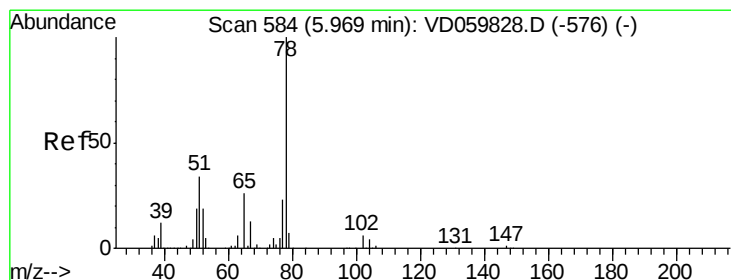
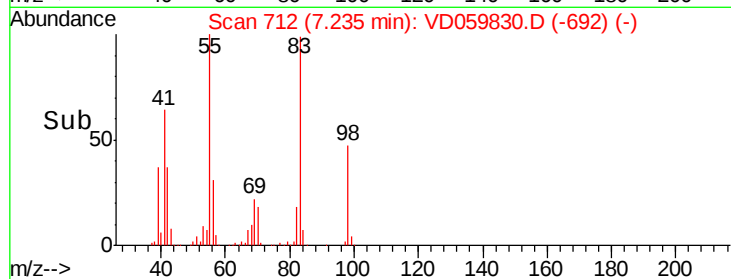
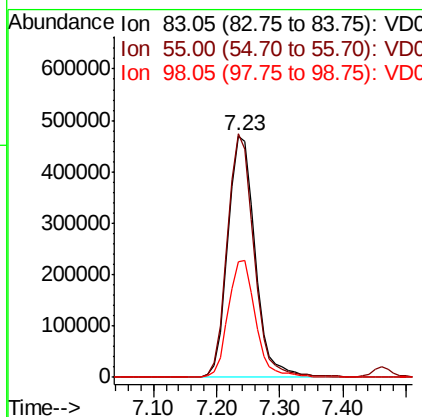
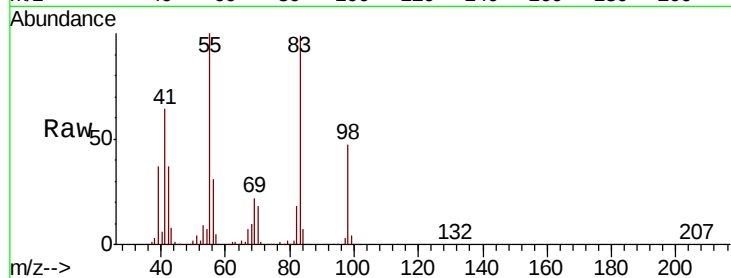




#39
Methylcyclohexane
Concen: 98.789 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

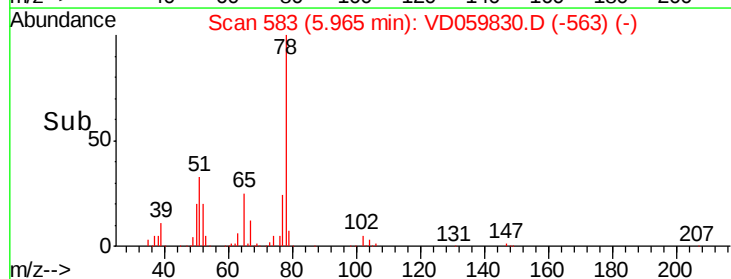
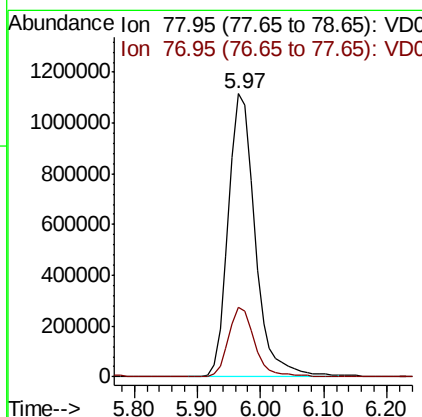
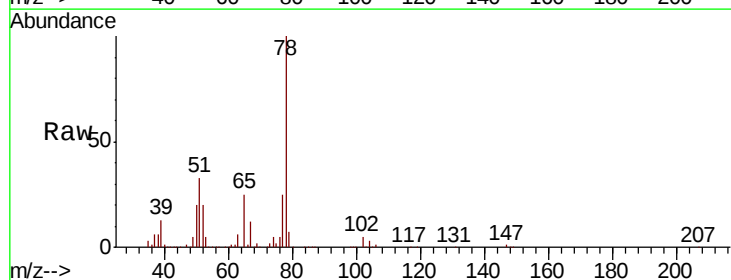
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

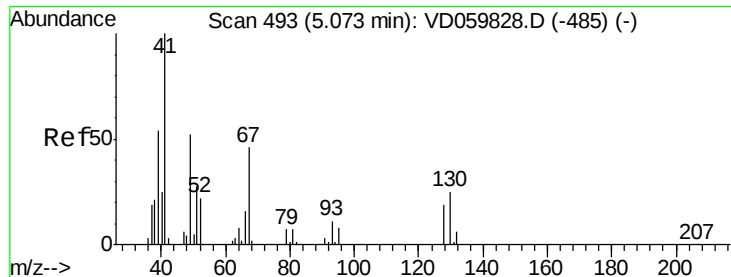
Tgt Ion: 83 Resp: 1401302
Ion Ratio Lower Upper
83 100
55 100.8 79.0 118.6
98 47.8 38.1 57.1



#40
Benzene
Concen: 95.637 ug/l
RT: 5.97 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 78 Resp: 3294699
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2





#41

Methacrylonitrile

Concen: 85.591 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 427955

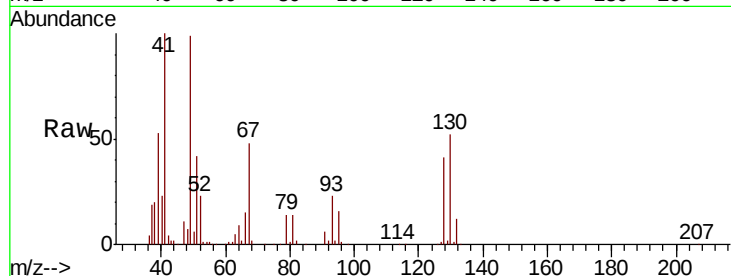
Ion Ratio Lower Upper

41 100

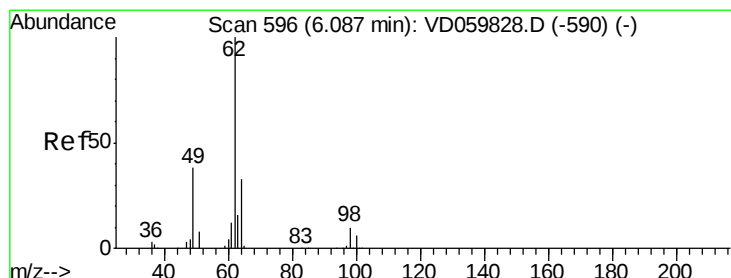
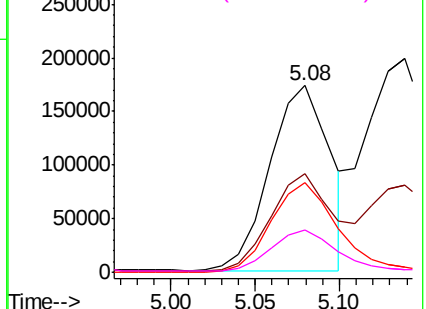
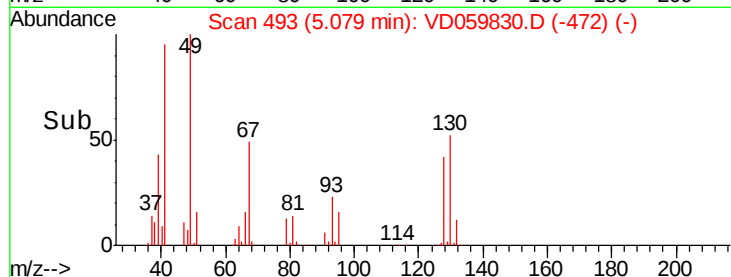
39 52.6 43.0 64.6

67 48.1 36.7 55.1

52 22.7 18.0 27.0



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: 98.785 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD059830.D

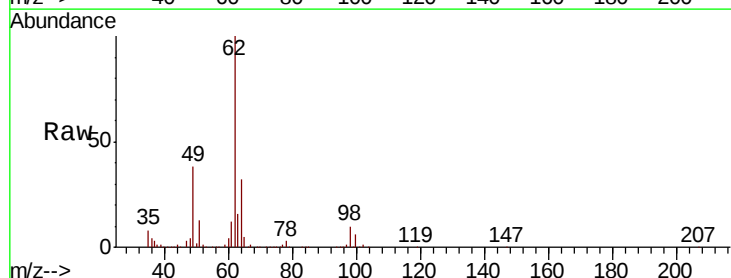
Acq: 20 Aug 2018 14:23

Tgt Ion: 62 Resp: 1092875

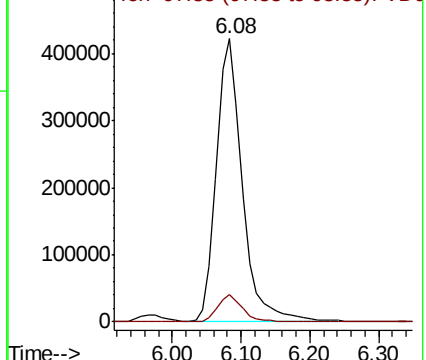
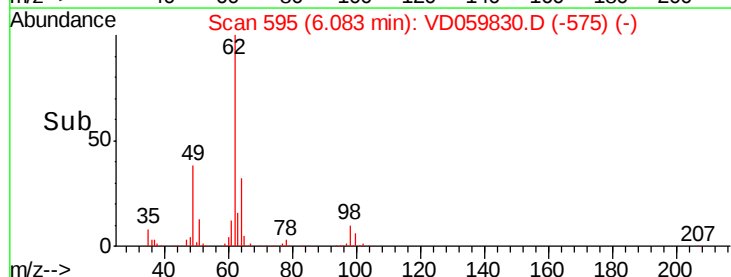
Ion Ratio Lower Upper

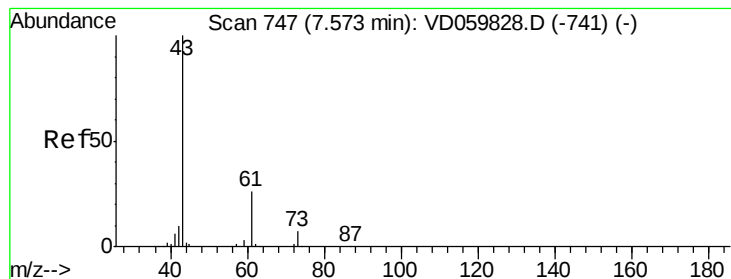
62 100

98 9.6 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 95.212 ug/l

RT: 7.58 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

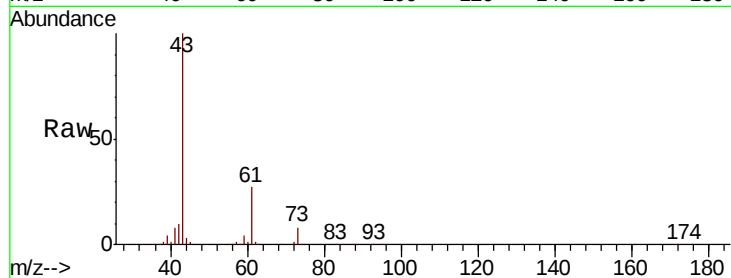
Tgt Ion: 43 Resp: 1268423

Ion Ratio Lower Upper

43 100

61 27.5 21.0 31.4

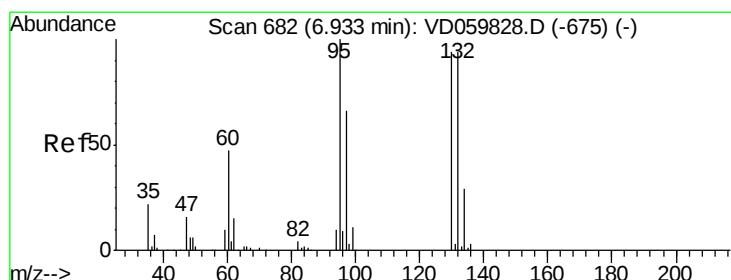
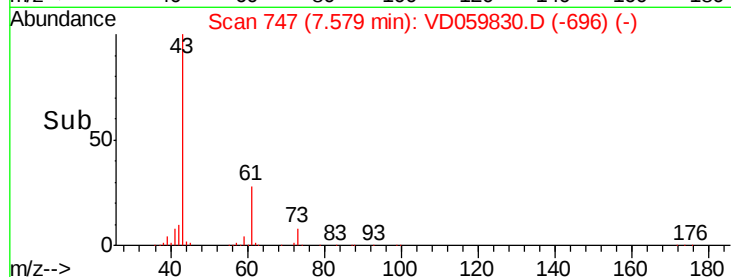
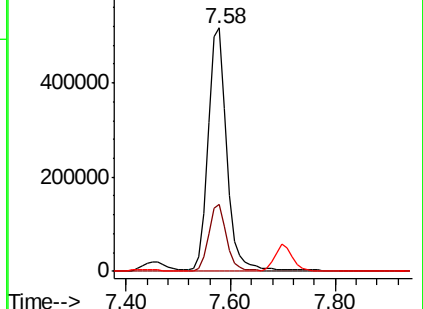
87 0.2 0.2 0.4#



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: 100.708 ug/l

RT: 6.94 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059830.D

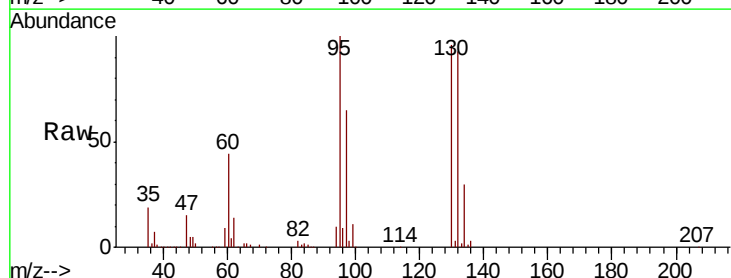
Acq: 20 Aug 2018 14:23

Tgt Ion:130 Resp: 1022404

Ion Ratio Lower Upper

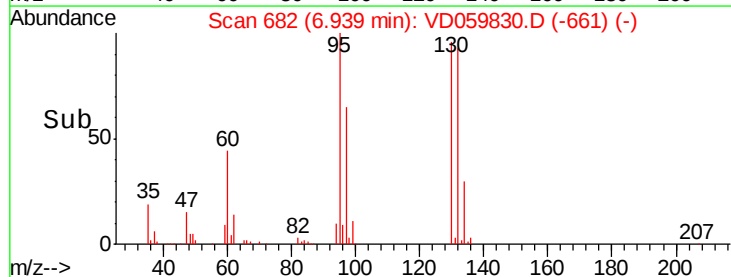
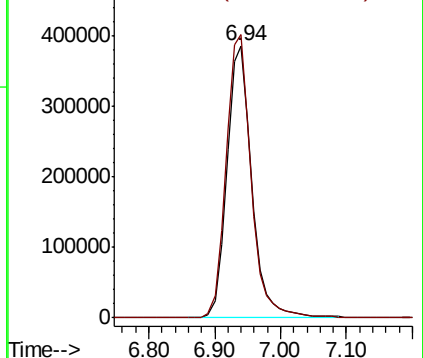
130 100

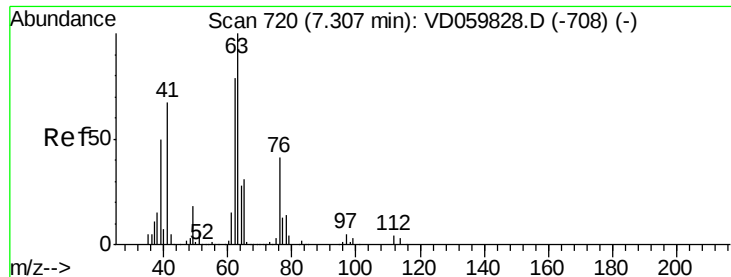
95 103.9 0.0 213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 98.544 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

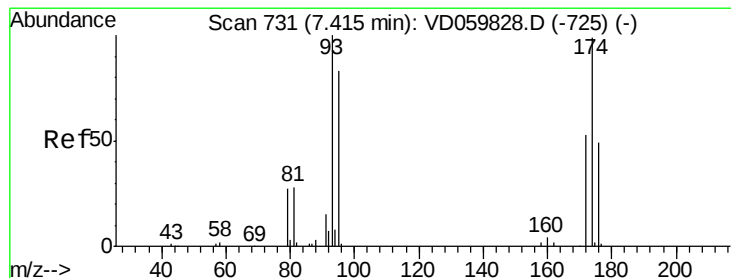
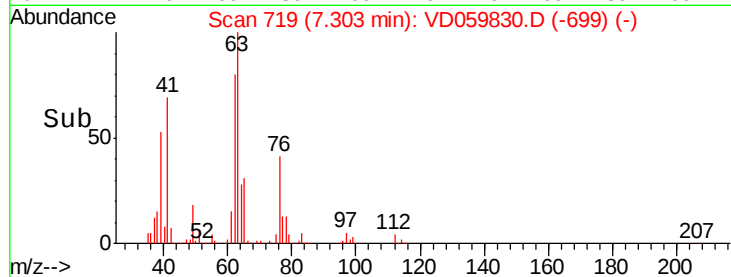
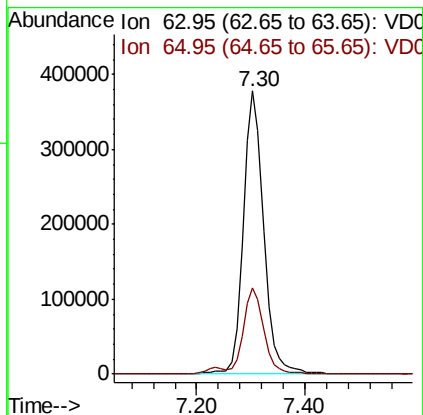
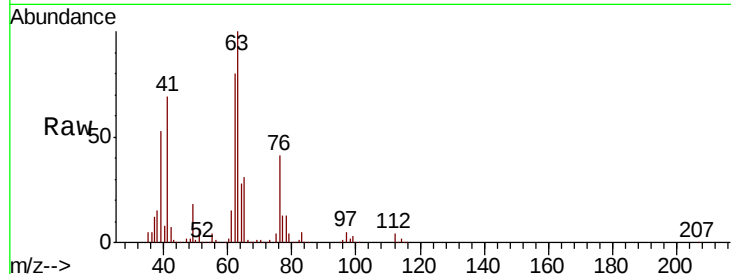
VSTDIC100

Tgt Ion: 63 Resp: 984075

Ion Ratio Lower Upper

63 100

65 30.6 24.5 36.7



#46

Dibromomethane

Concen: 99.405 ug/l

RT: 7.42 min Scan# 731

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

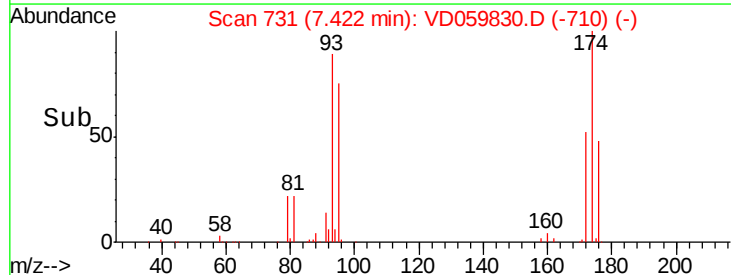
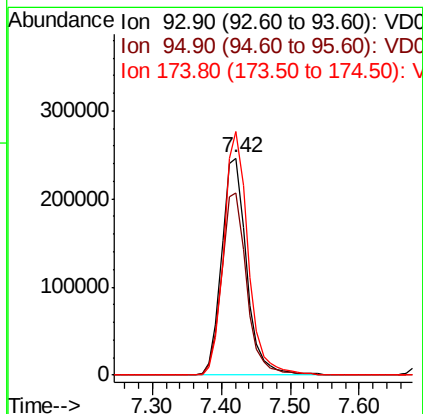
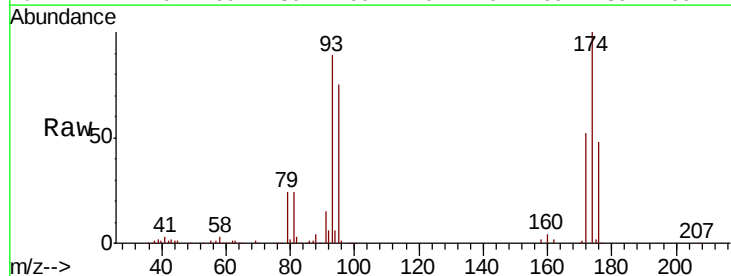
Tgt Ion: 93 Resp: 616844

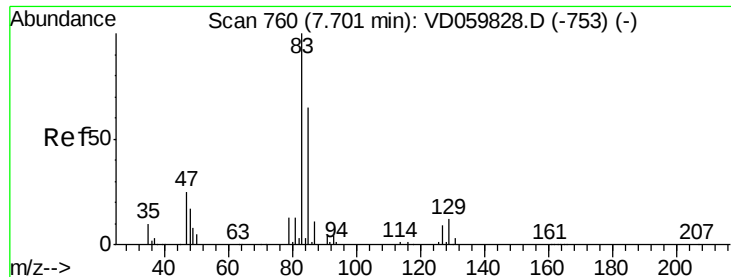
Ion Ratio Lower Upper

93 100

95 83.8 66.3 99.5

174 112.1 79.4 119.0





#47

Bromodichloromethane

Concen: 96.521 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

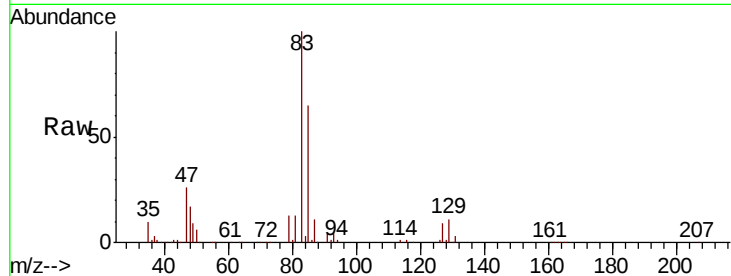
Tgt Ion: 83 Resp: 1329079

Ion Ratio Lower Upper

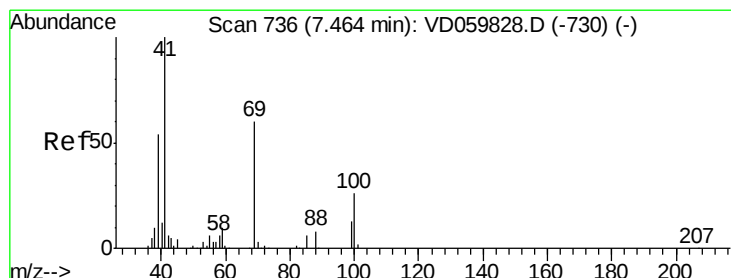
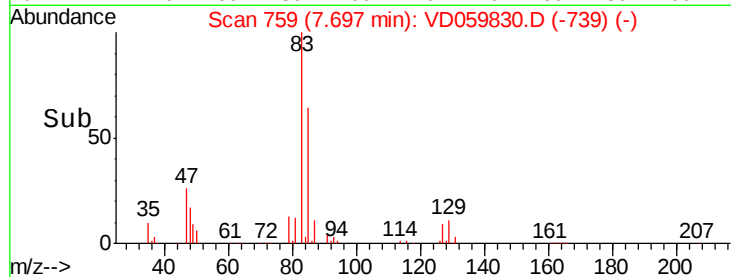
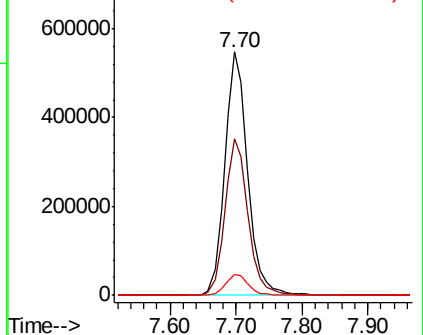
83 100

85 64.5 52.2 78.4

127 8.8 7.1 10.7



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



#48

Methyl methacrylate

Concen: 97.711 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

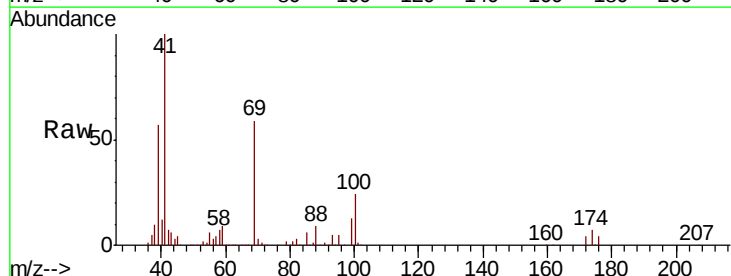
Tgt Ion: 41 Resp: 728014

Ion Ratio Lower Upper

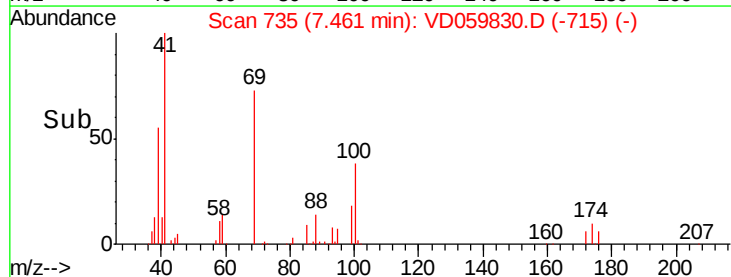
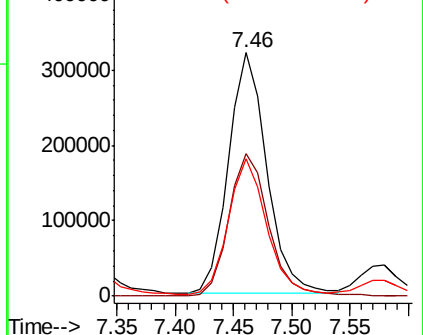
41 100

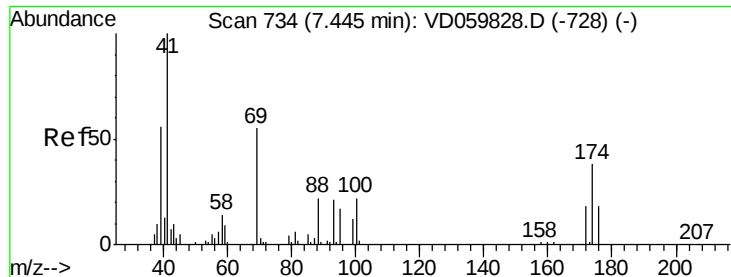
69 58.6 47.0 70.4

39 56.5 43.4 65.2



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

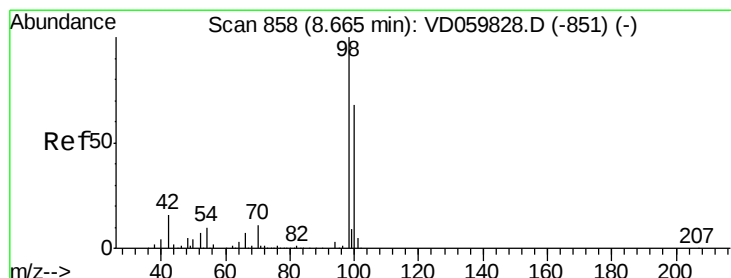
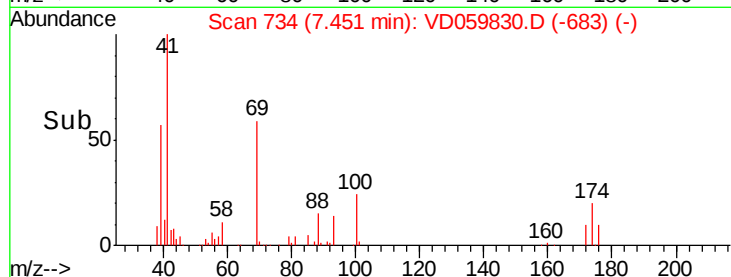
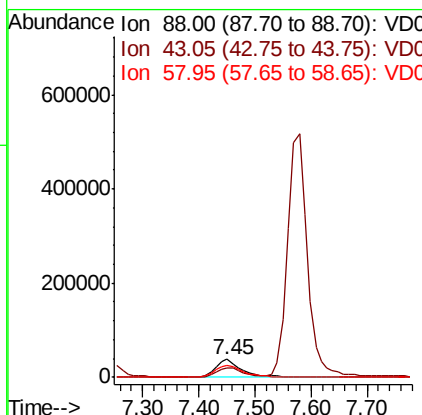
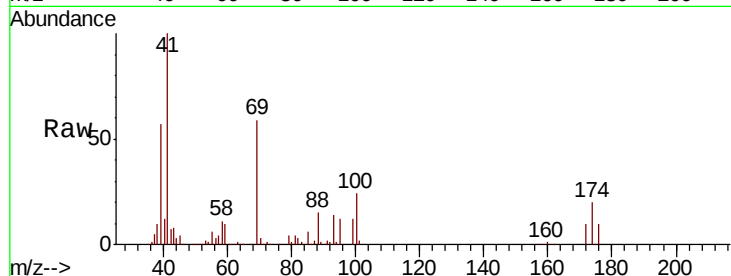




#49
1,4-Dioxane
Concen: 2074.898 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

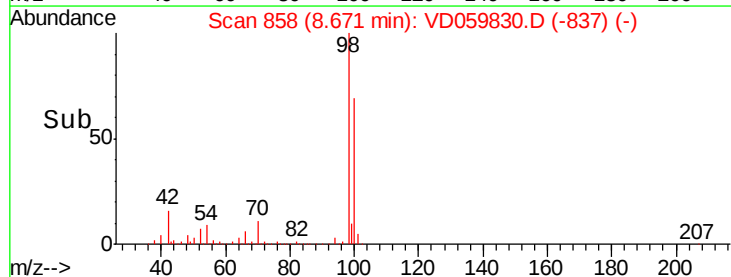
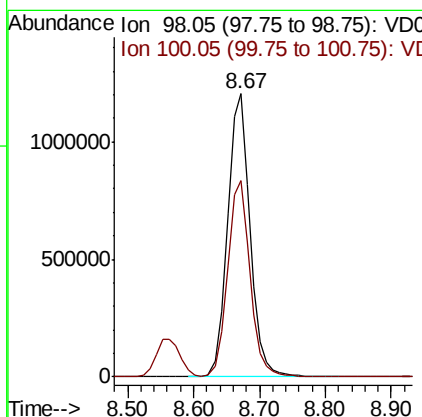
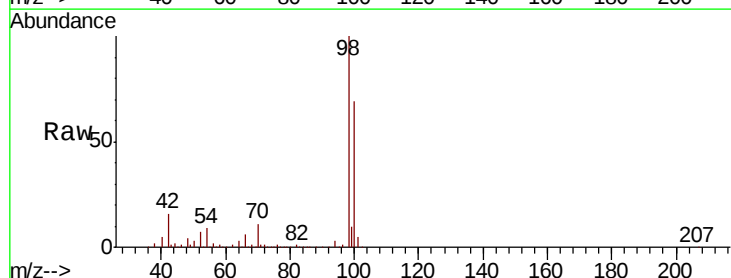
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

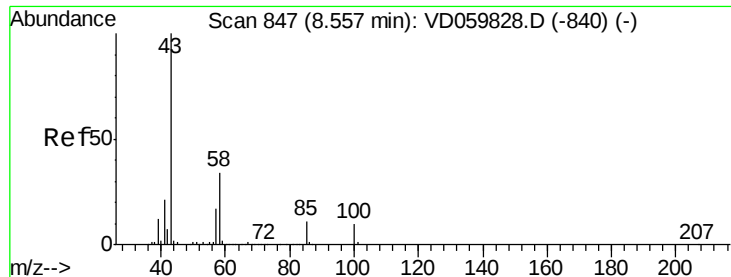
Tgt Ion: 88 Resp: 128787
Ion Ratio Lower Upper
88 100
43 52.9 41.4 62.0
58 69.7 52.4 78.6



#50
Toluene-d8
Concen: 2074.898 ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 98 Resp: 2871962
Ion Ratio Lower Upper
98 100
100 69.2 55.0 82.4





#51

4-Methyl-2-Pentanone

Concen: 476.674 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

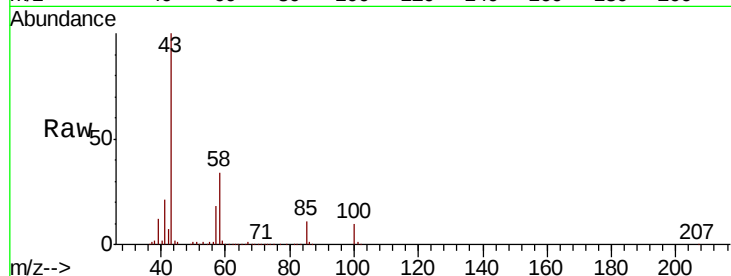
VSTDIC100

Tgt Ion: 43 Resp: 4367531

Ion Ratio Lower Upper

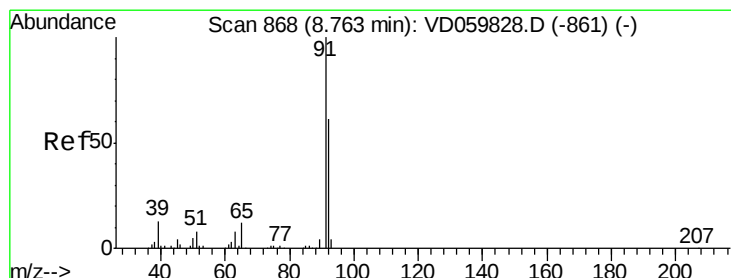
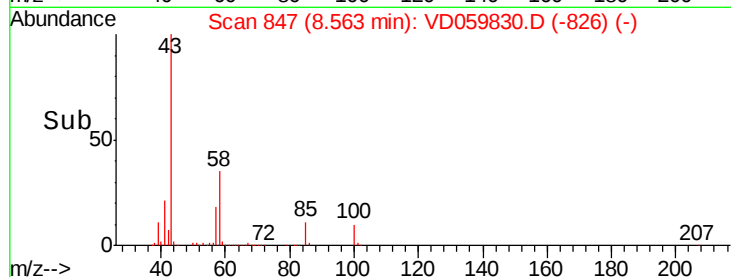
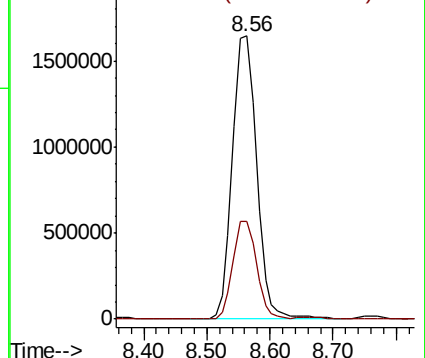
43 100

58 34.5 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: 94.087 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059830.D

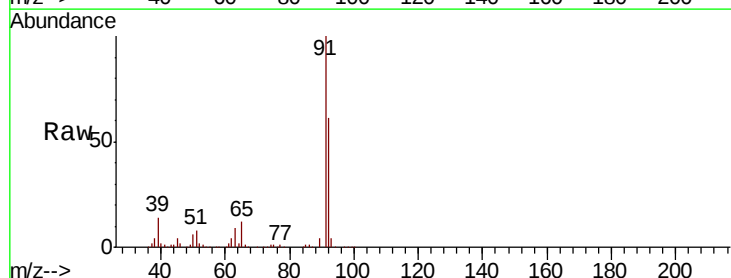
Acq: 20 Aug 2018 14:23

Tgt Ion: 92 Resp: 2056367

Ion Ratio Lower Upper

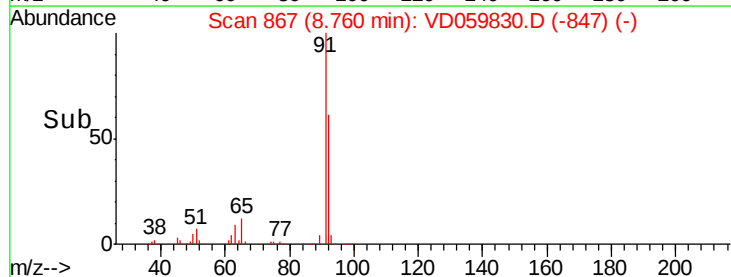
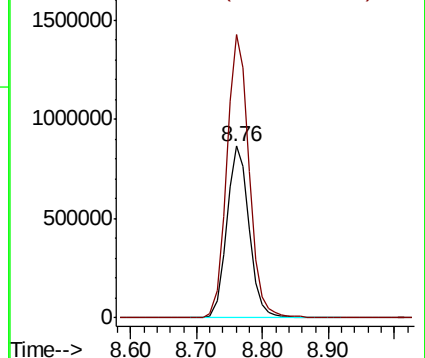
92 100

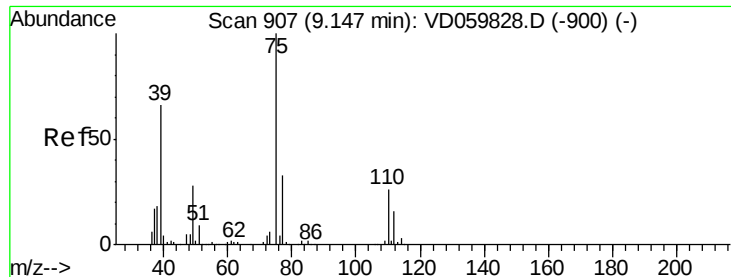
91 164.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

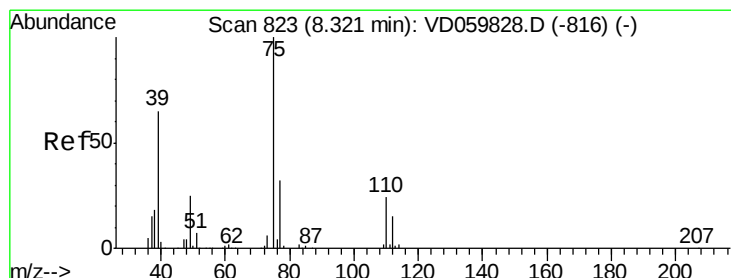
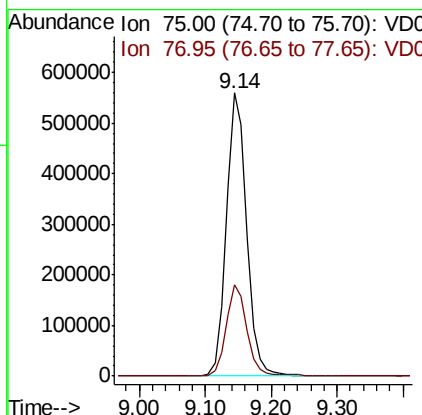
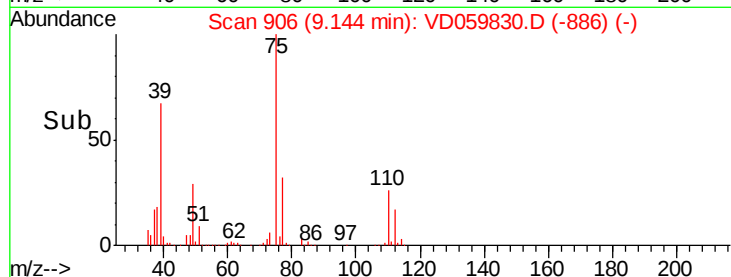
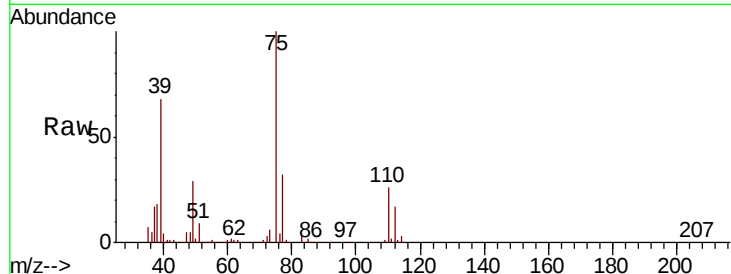




#53
 t-1,3-Dichloropropene
 Concen: 96.082 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

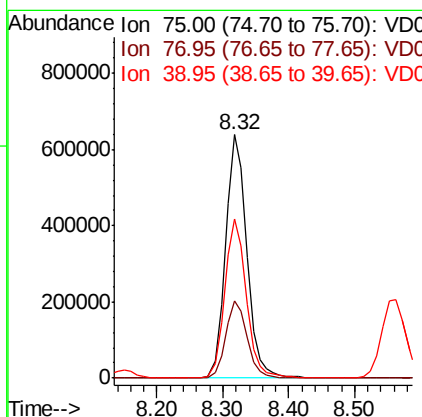
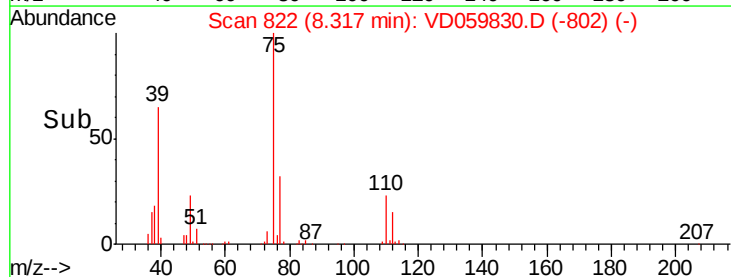
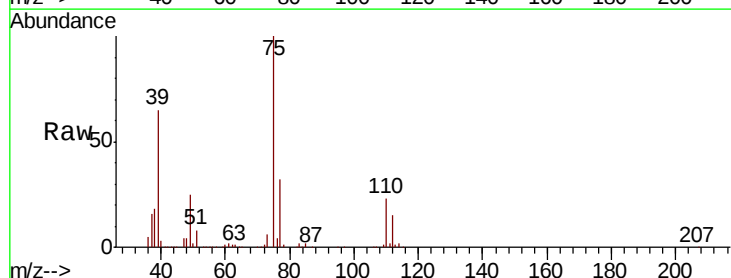
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

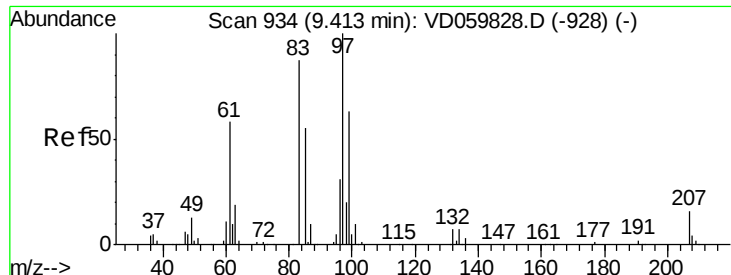
Tgt Ion: 75 Resp: 1204871
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 96.271 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 75 Resp: 1449275
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8
 39 65.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 92.967 ug/l

RT: 9.41 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 723247

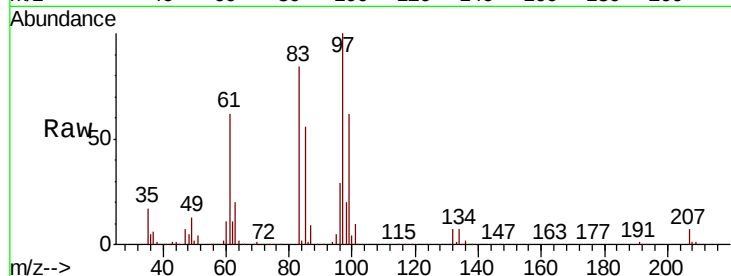
Ion Ratio Lower Upper

97 100

83 83.7 69.2 103.8

85 55.9 44.3 66.5

99 61.9 50.6 76.0

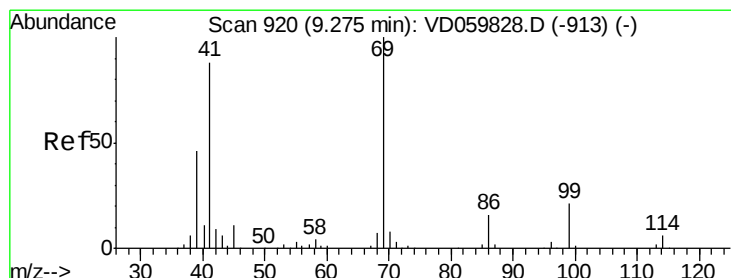
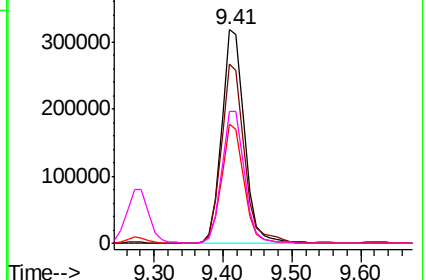
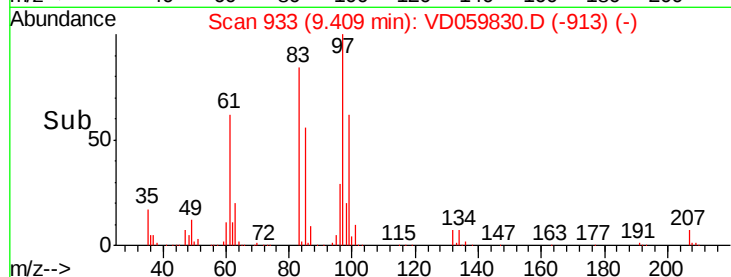


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 94.352 ug/l

RT: 9.27 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

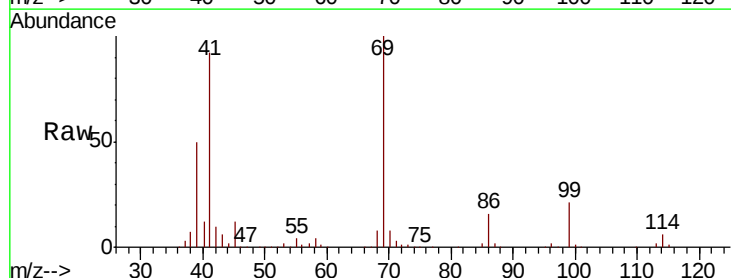
Tgt Ion: 69 Resp: 843581

Ion Ratio Lower Upper

69 100

41 92.1 71.0 106.4

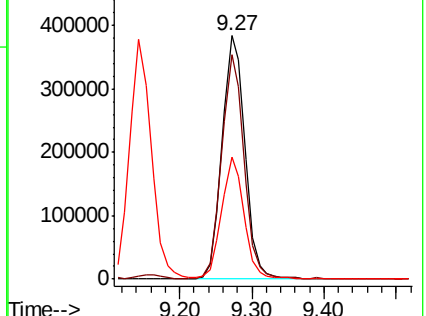
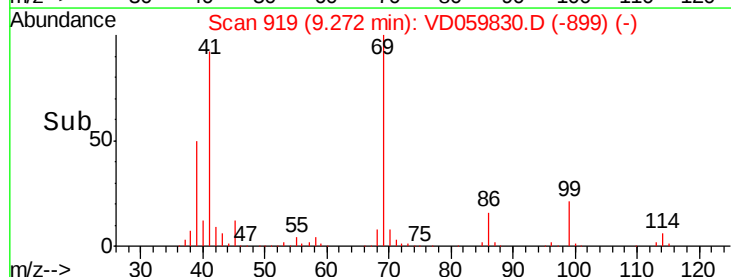
39 49.9 38.0 57.0

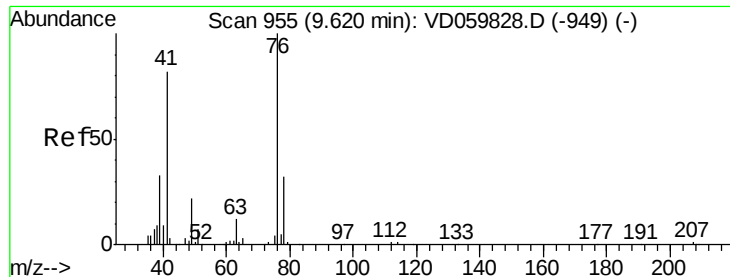


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 96.354 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

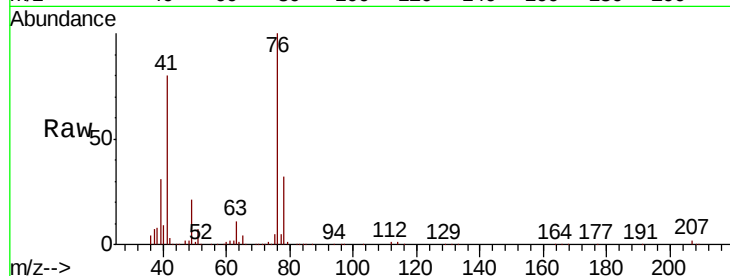
VSTDIC100

Tgt Ion: 76 Resp: 1092932

Ion Ratio Lower Upper

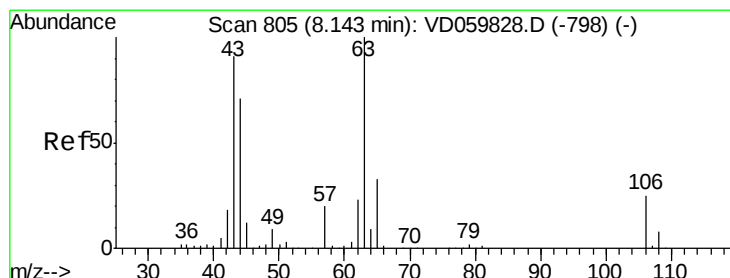
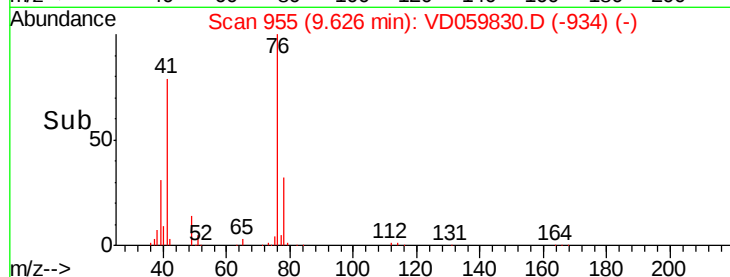
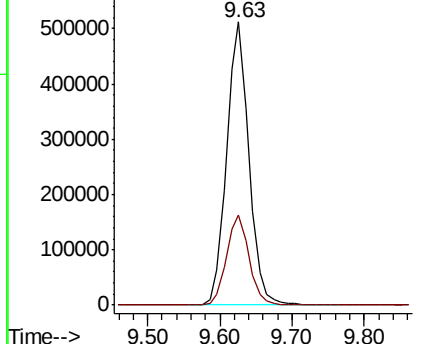
76 100

78 31.8 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 422.354 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059830.D

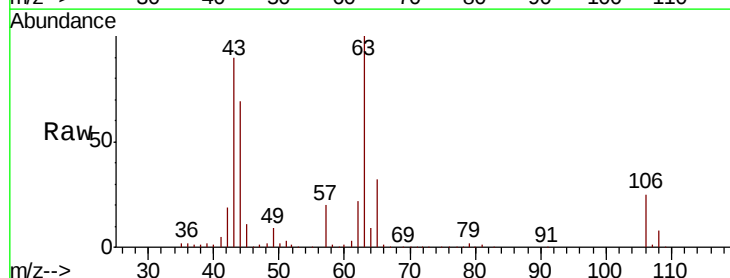
Acq: 20 Aug 2018 14:23

Tgt Ion: 63 Resp: 1939417

Ion Ratio Lower Upper

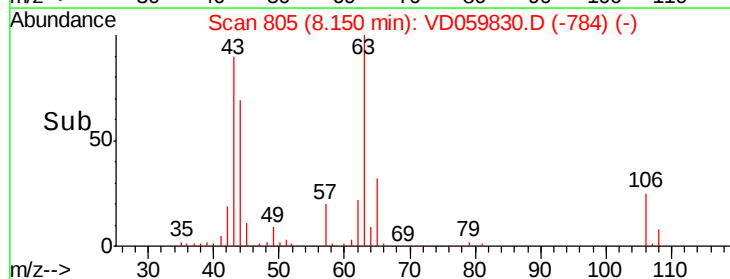
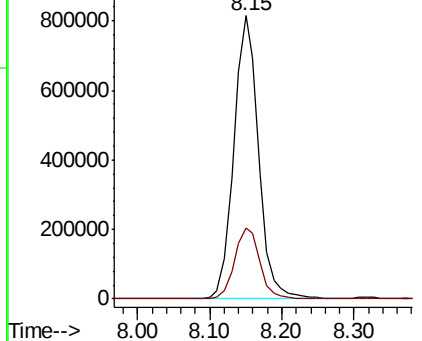
63 100

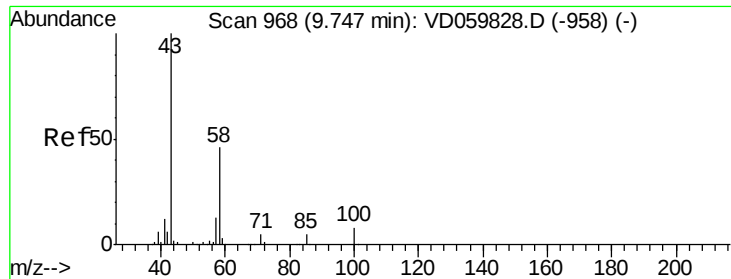
106 25.2 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

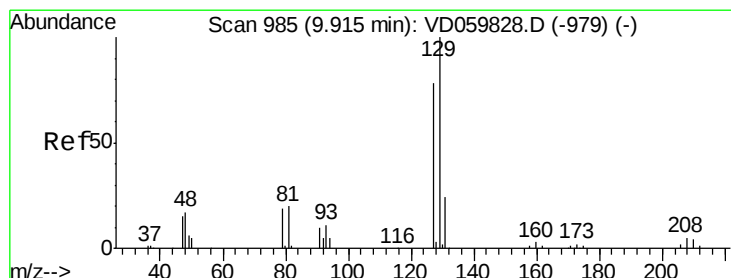
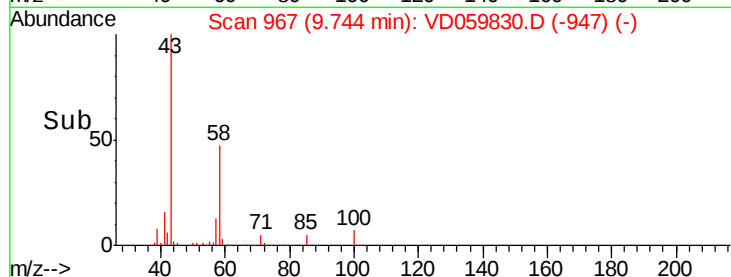
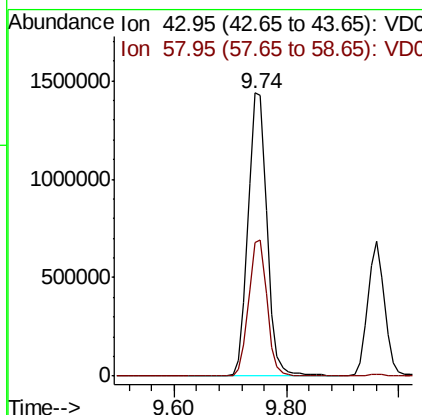
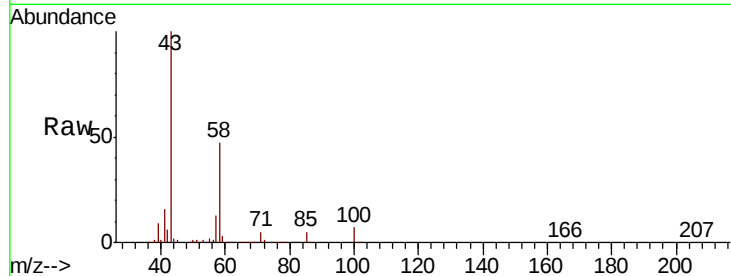




#59
2-Hexanone
Concen: 498.268 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

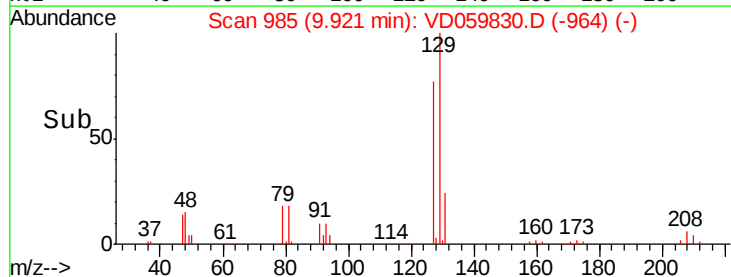
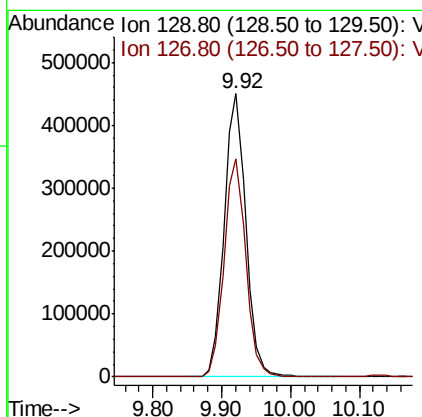
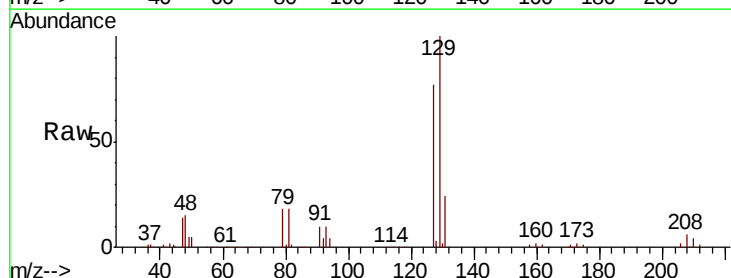
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

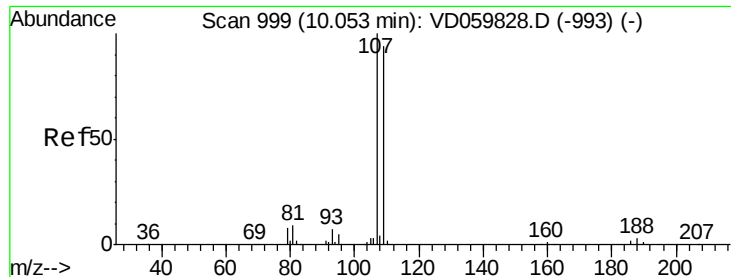
Tgt Ion: 43 Resp: 3362621
Ion Ratio Lower Upper
43 100
58 47.2 23.1 69.2



#60
Dibromochloromethane
Concen: 97.996 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 129 Resp: 979920
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9

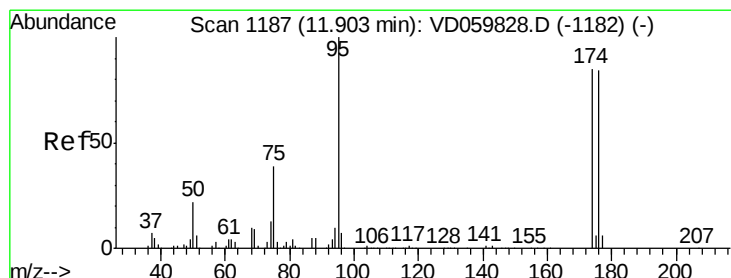
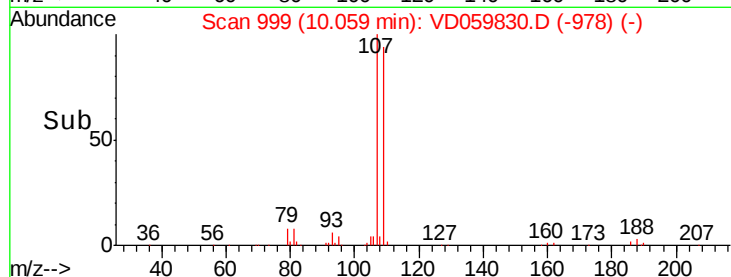
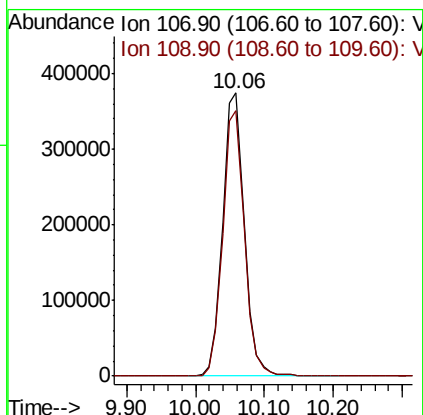
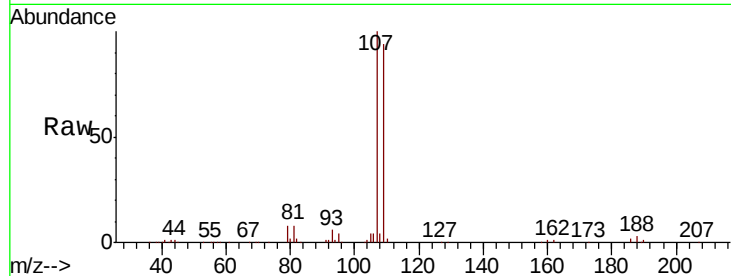




#61
 1,2-Dibromoethane
 Concen: 98.519 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

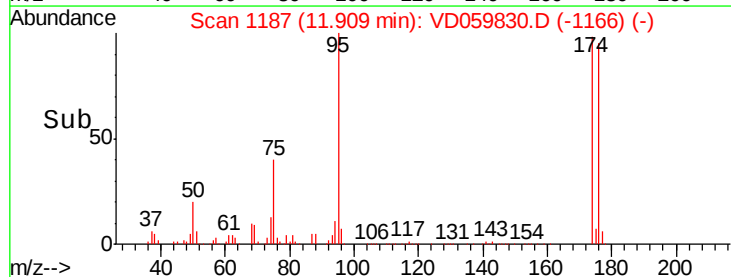
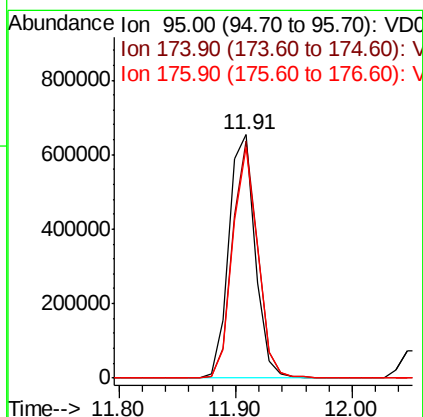
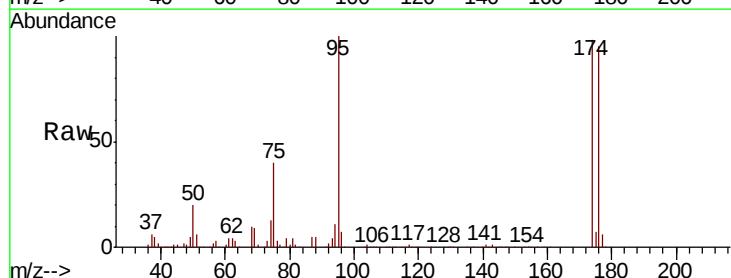
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

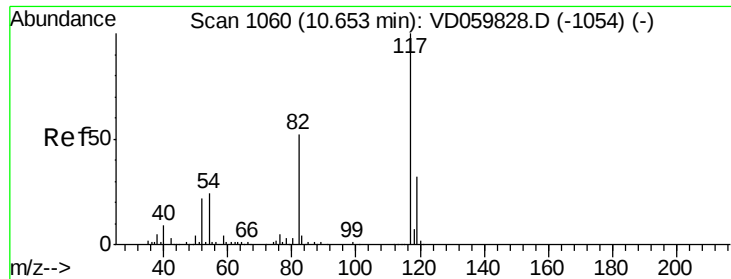
Tgt Ion: 107 Resp: 815173
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 98.519 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 95 Resp: 1025446
 Ion Ratio Lower Upper
 95 100
 174 97.7 0.0 169.2
 176 94.7 0.0 168.0

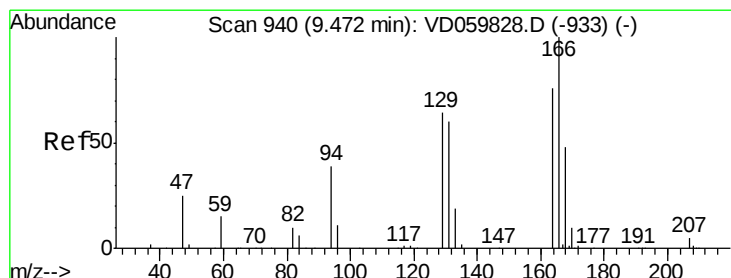
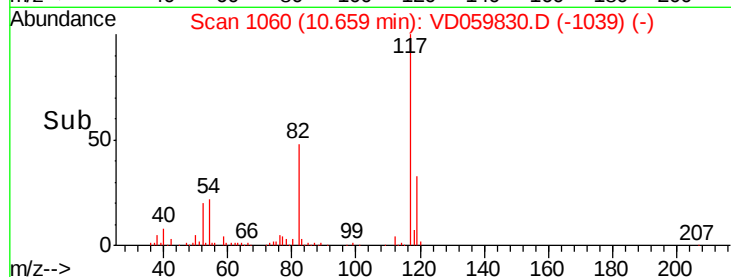
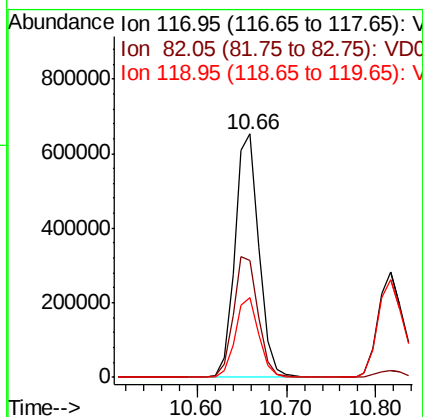
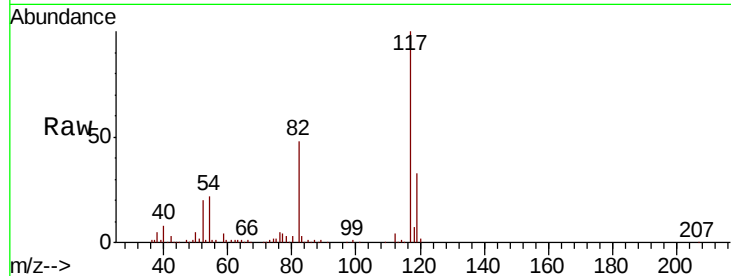




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

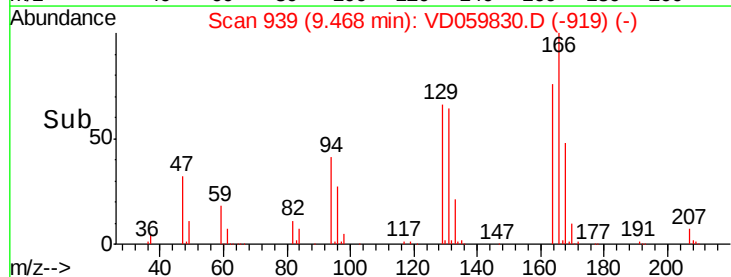
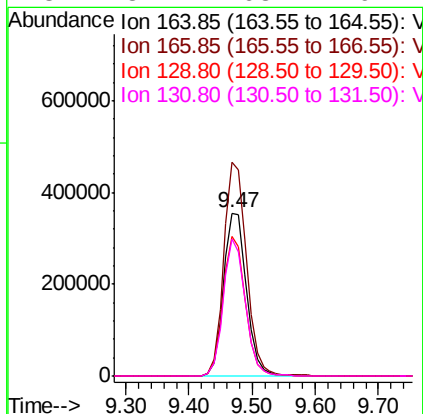
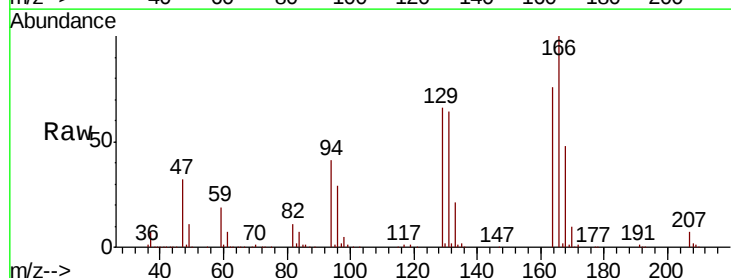
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

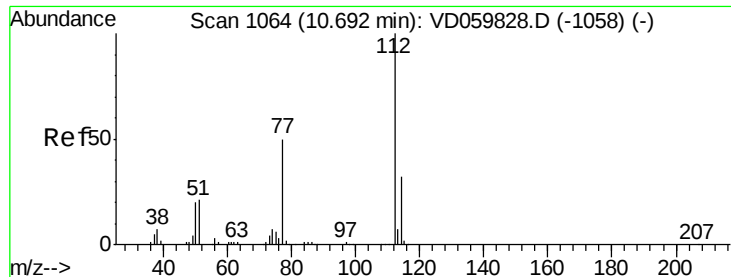
Tgt Ion:117 Resp: 1230561
Ion Ratio Lower Upper
117 100
82 48.2 41.6 62.4
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 99.020 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:164 Resp: 894861
Ion Ratio Lower Upper
164 100
166 131.1 104.9 157.3
129 86.0 66.7 100.1
131 84.2 63.1 94.7

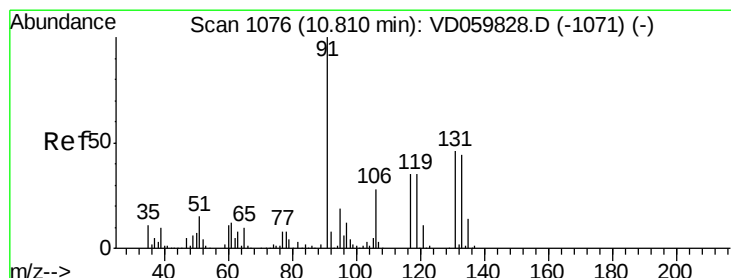
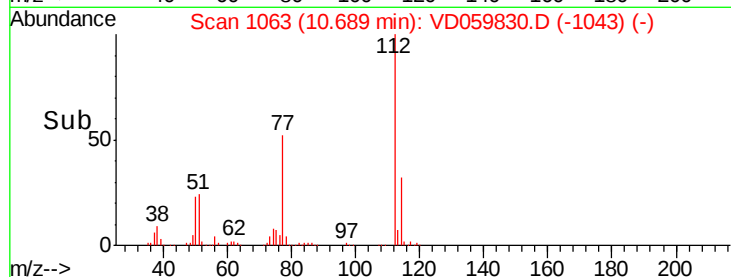
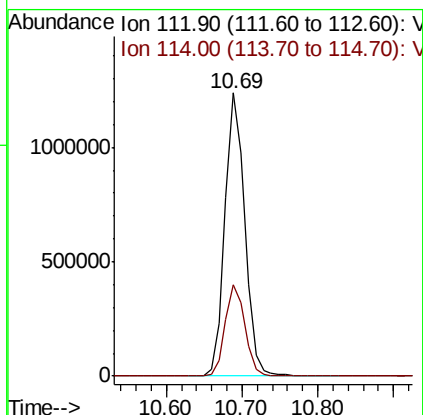
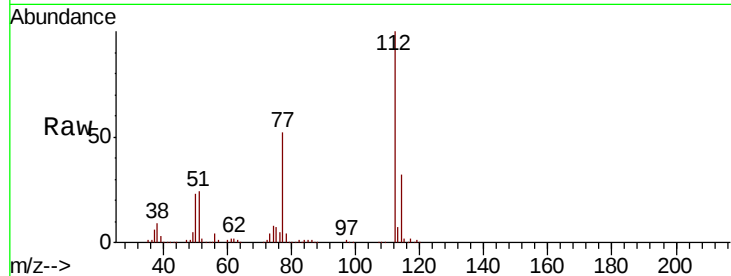




#65
Chlorobenzene
Concen: 94.049 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

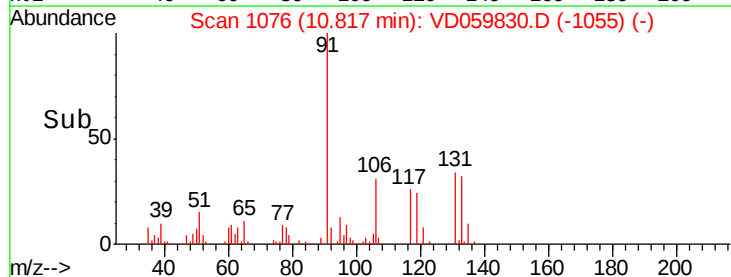
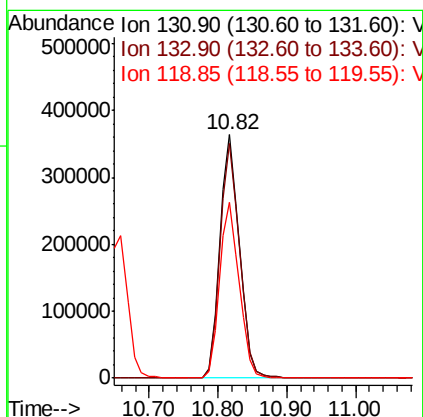
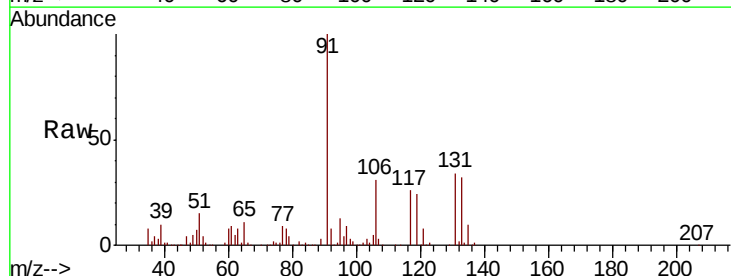
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

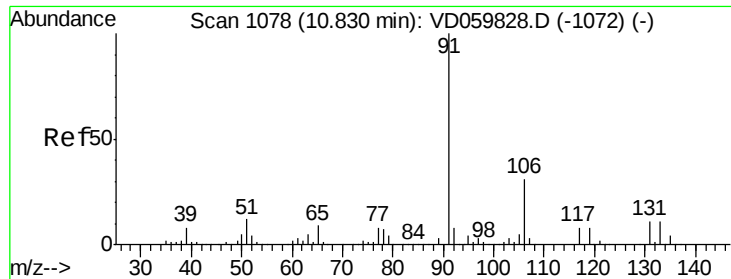
Tgt Ion:112 Resp: 2251664
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 86.202 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:131 Resp: 712676
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.4
119 72.2 37.5 112.7

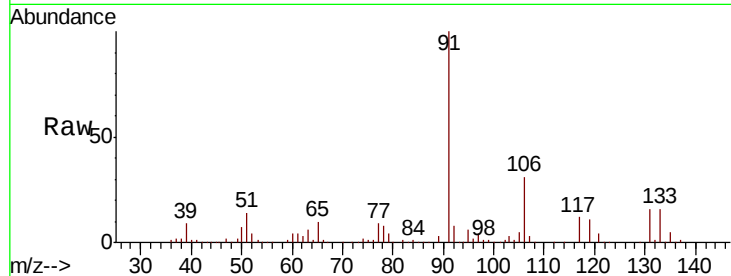




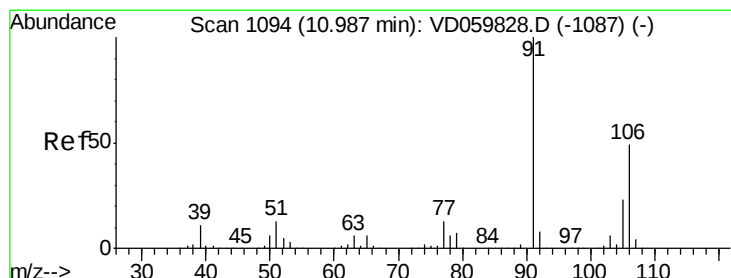
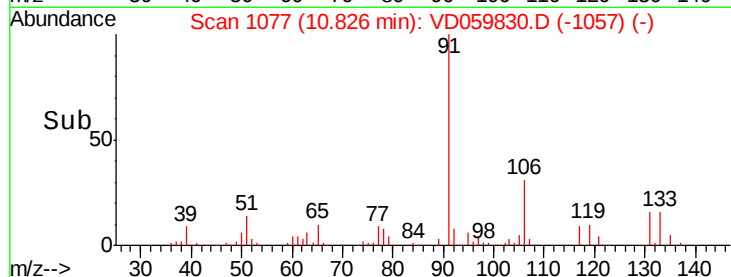
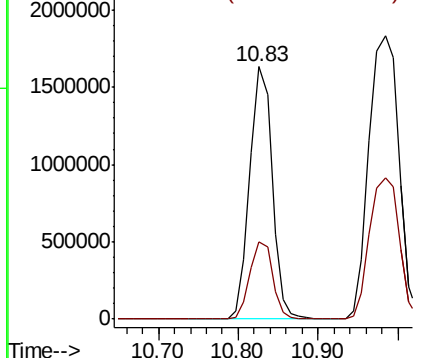
#67
Ethyl Benzene
Concen: 80.777 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 3171802
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

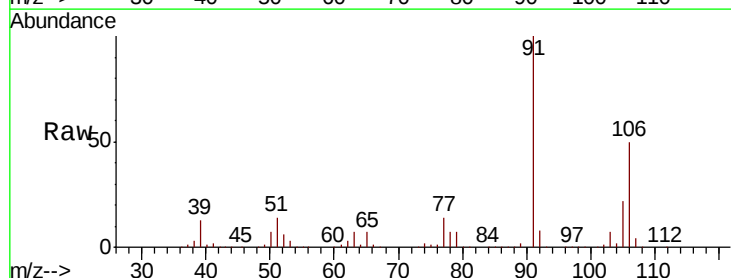


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

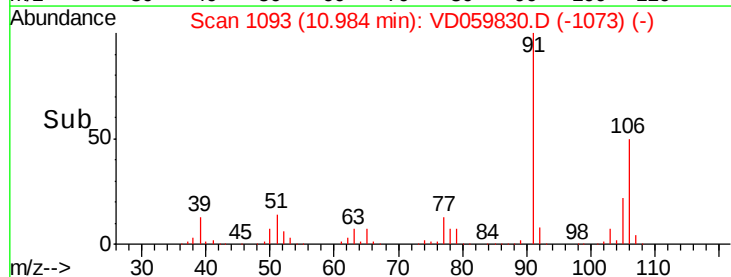
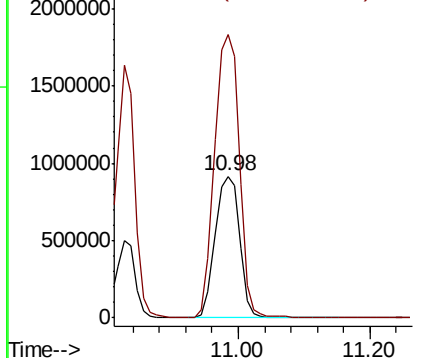


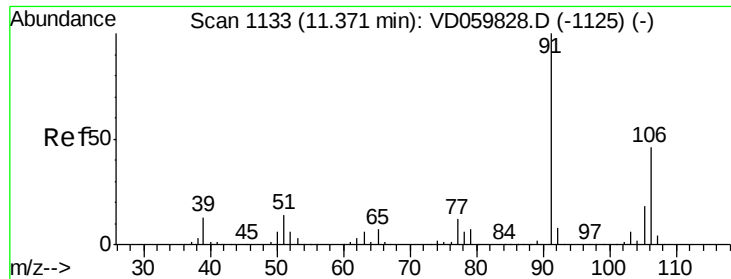
#68
m/p-Xylenes
Concen: 163.333 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 106 Resp: 2349232
Ion Ratio Lower Upper
106 100
91 200.1 161.8 242.8



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

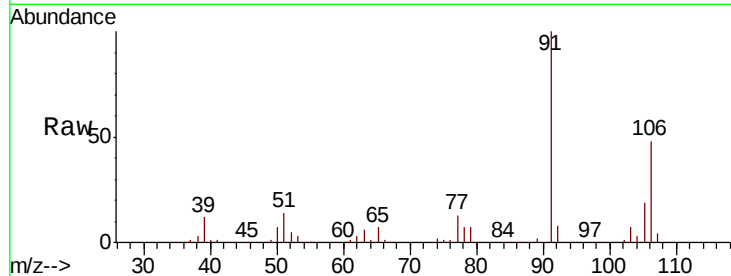




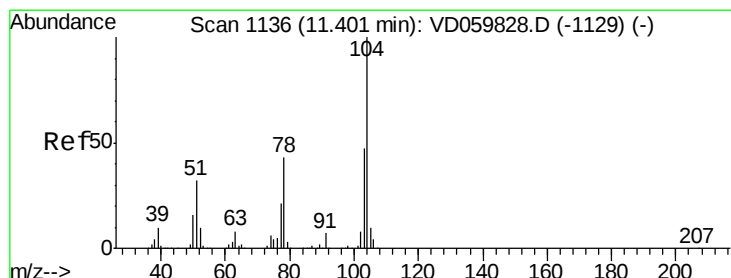
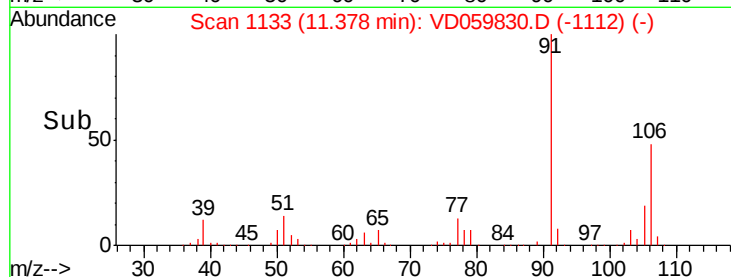
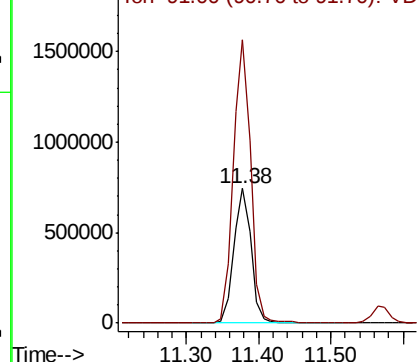
#69
o-Xylene
Concen: 87.657 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1231835
Ion Ratio Lower Upper
106 100
91 210.1 108.5 325.3

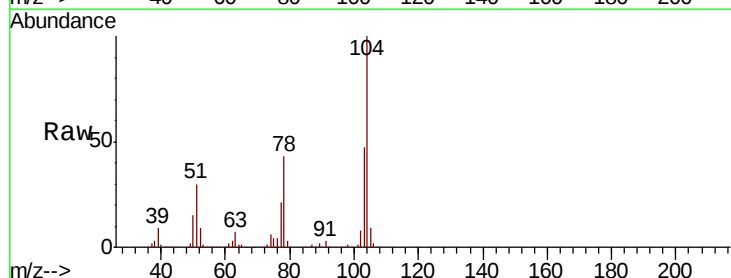


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

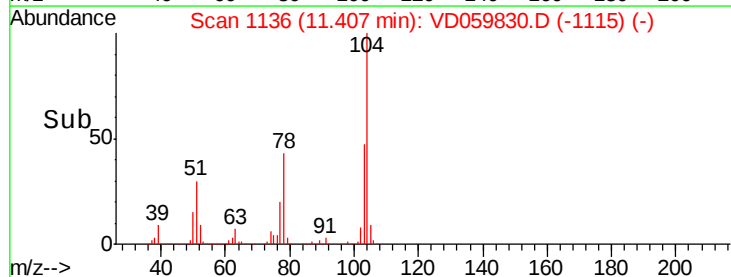
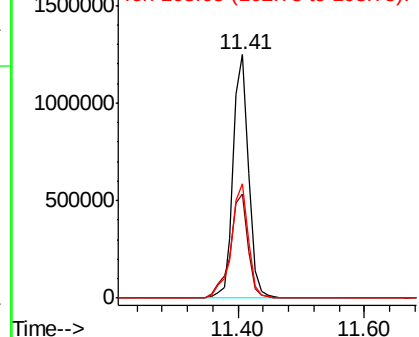


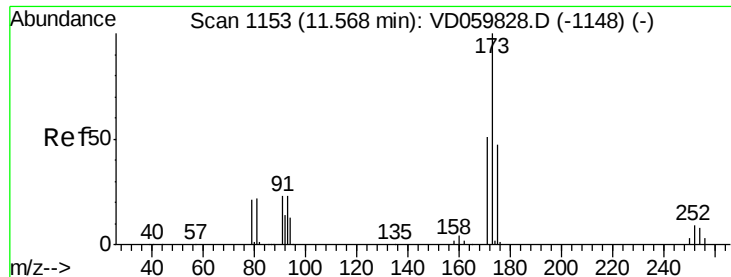
#70
Styrene
Concen: 85.829 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:104 Resp: 2090350
Ion Ratio Lower Upper
104 100
78 42.7 34.6 52.0
103 47.2 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 99.883 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

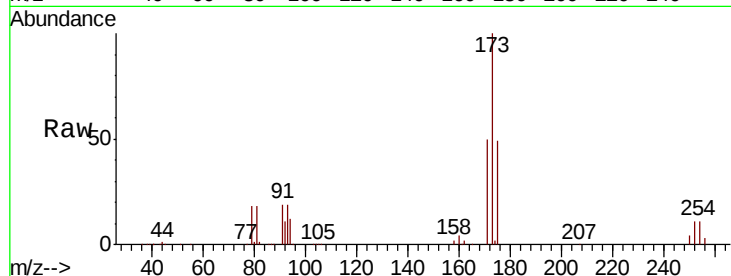
Tgt Ion:173 Resp: 721793

Ion Ratio Lower Upper

173 100

175 48.9 23.7 71.1

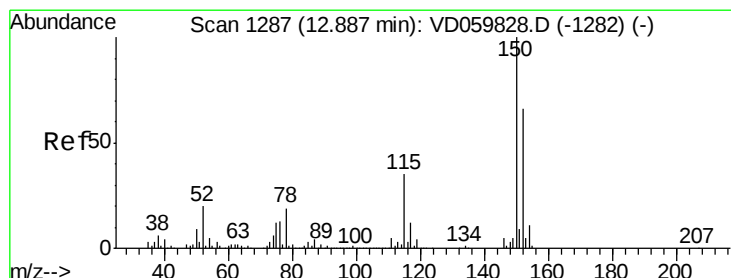
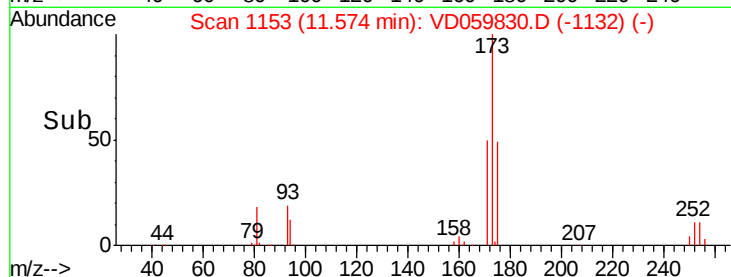
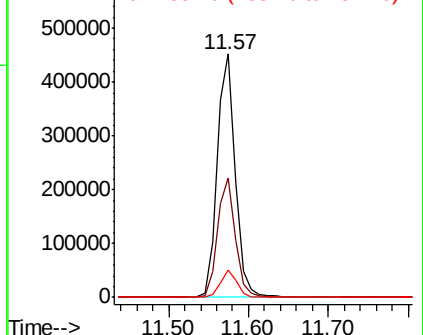
254 11.2 6.7 10.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

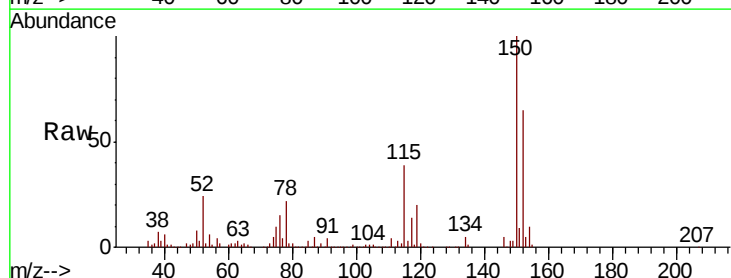
Tgt Ion:152 Resp: 521412

Ion Ratio Lower Upper

152 100

115 60.5 26.9 80.6

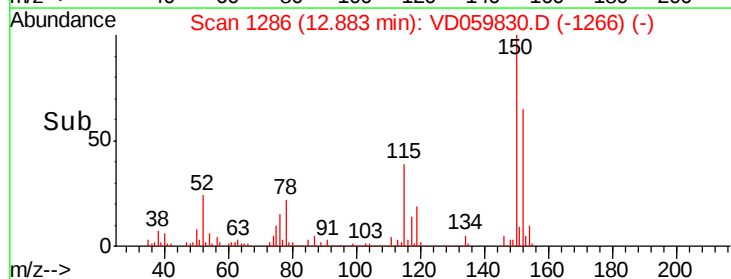
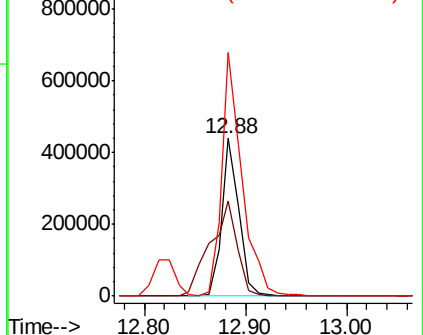
150 154.7 0.0 306.8

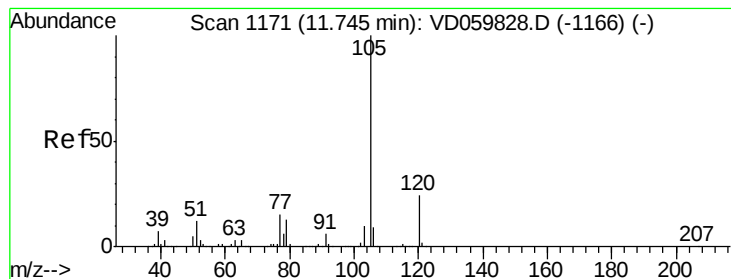


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 91.402 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

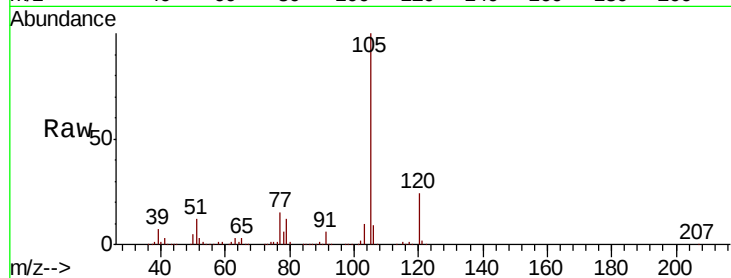
VSTDIC100

Tgt Ion: 105 Resp: 3250727

Ion Ratio Lower Upper

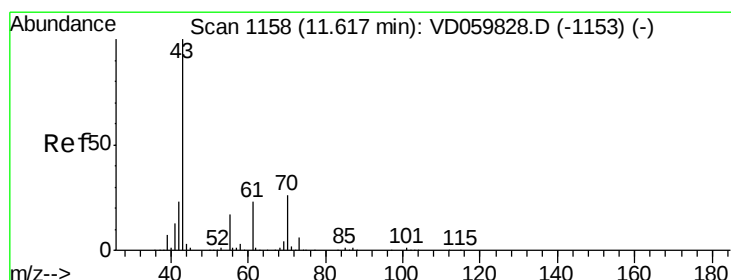
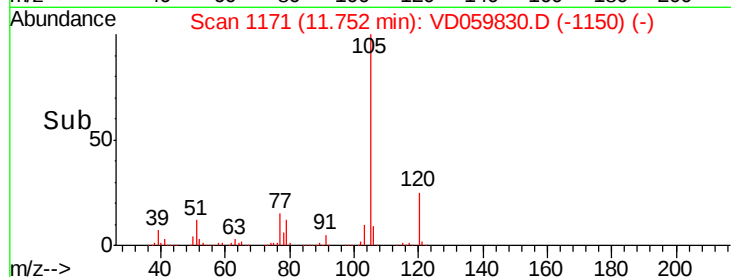
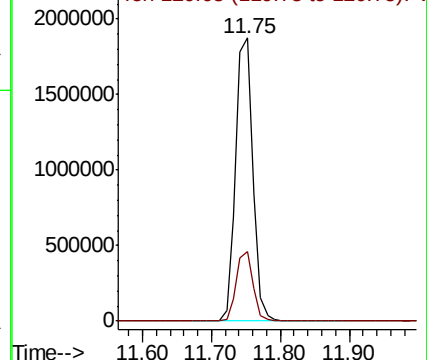
105 100

120 24.5 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 99.005 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Tgt Ion: 43 Resp: 1556913

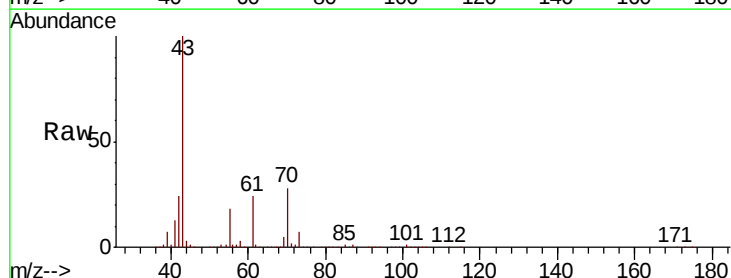
Ion Ratio Lower Upper

43 100

70 28.1 20.5 30.7

55 17.8 13.7 20.5

61 24.2 18.0 27.0

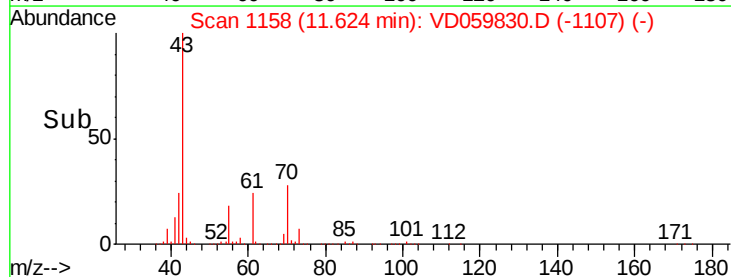
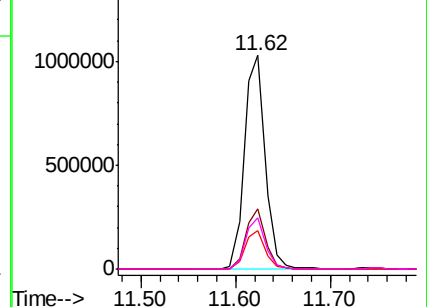


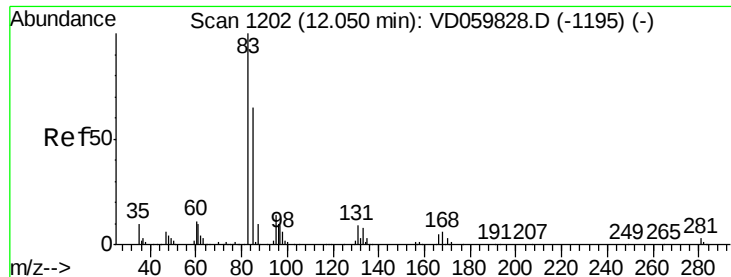
Abundance Ion 42.95 (42.65 to 43.65): V

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

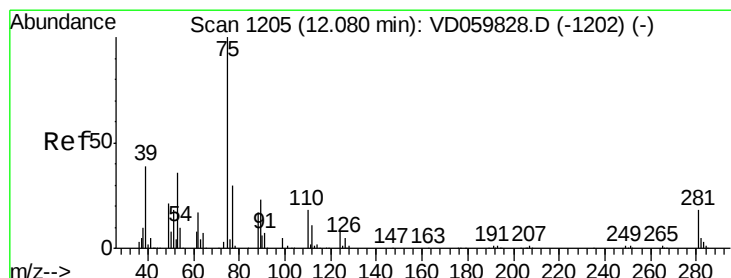
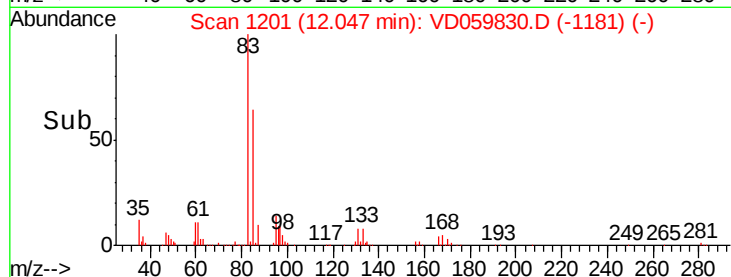
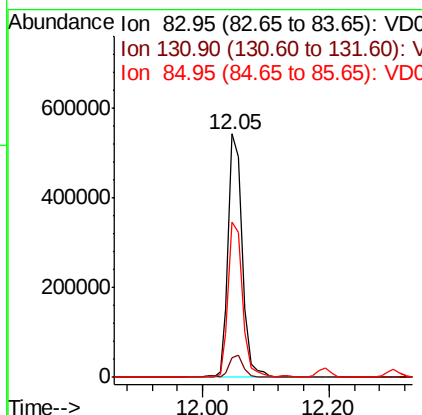
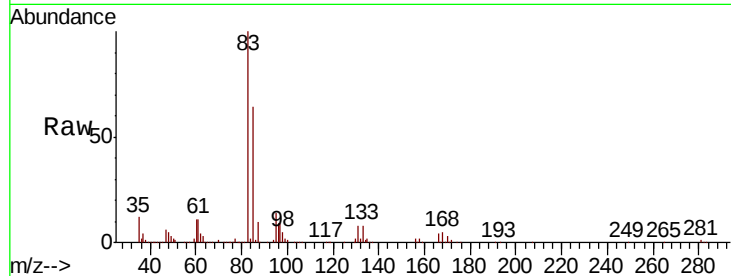




#75
 1,1,2,2-Tetrachloroethane
 Concen: 102.908 ug/l
 RT: 12.05 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

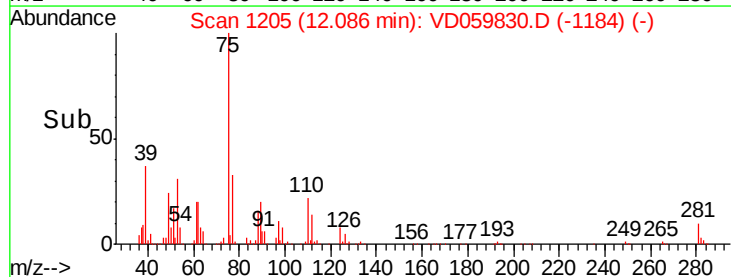
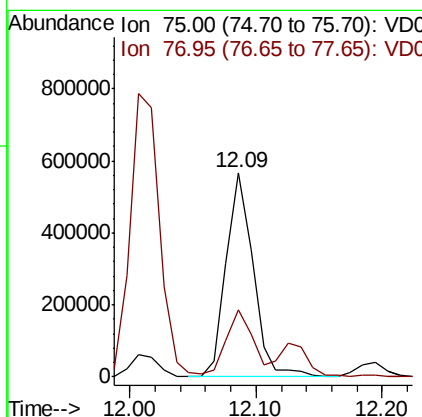
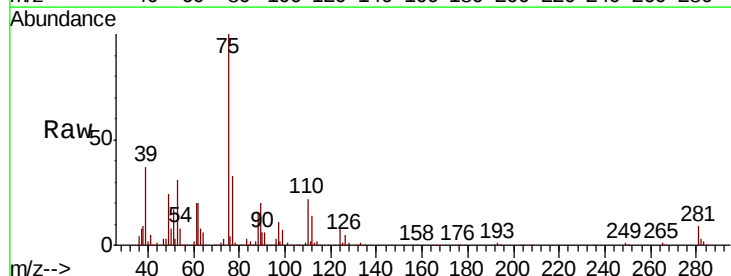
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

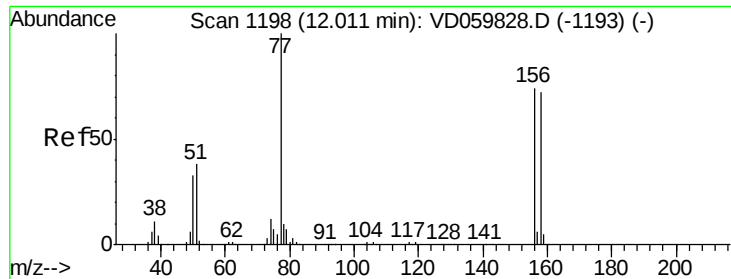
Tgt Ion: 83 Resp: 841473
 Ion Ratio Lower Upper
 83 100
 131 8.0 4.3 13.1
 85 63.7 32.5 97.5



#76
 1,2,3-Trichloropropane
 Concen: 98.136 ug/l
 RT: 12.09 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 75 Resp: 836160
 Ion Ratio Lower Upper
 75 100
 77 32.7 16.0 47.9





#77

Bromobenzene

Concen: 98.923 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

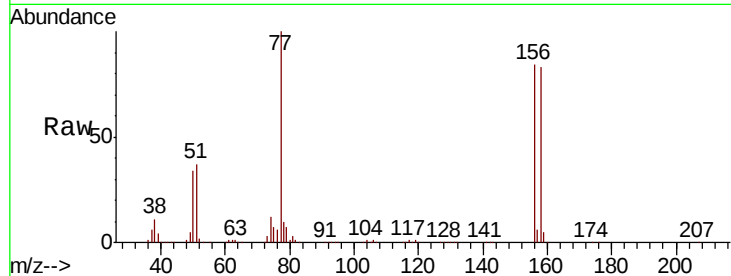
Tgt Ion:156 Resp: 976758

Ion Ratio Lower Upper

156 100

77 118.4 68.0 204.0

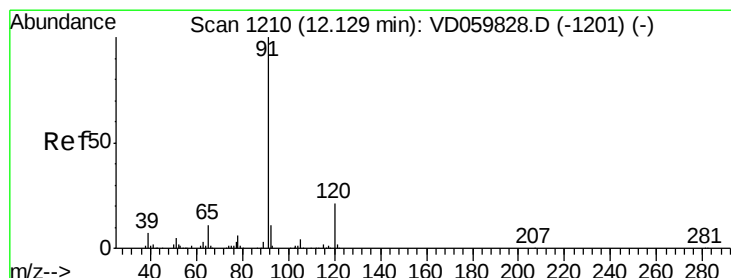
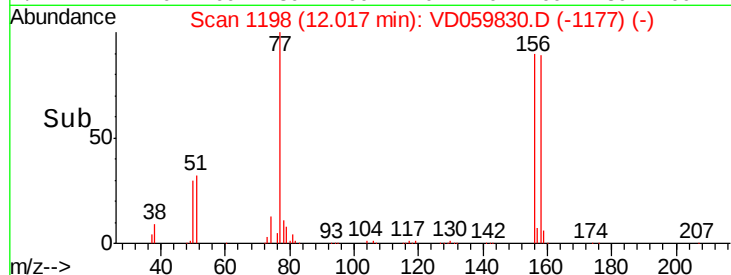
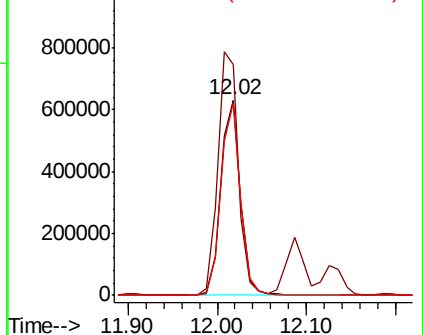
158 98.6 48.9 146.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 87.867 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059830.D

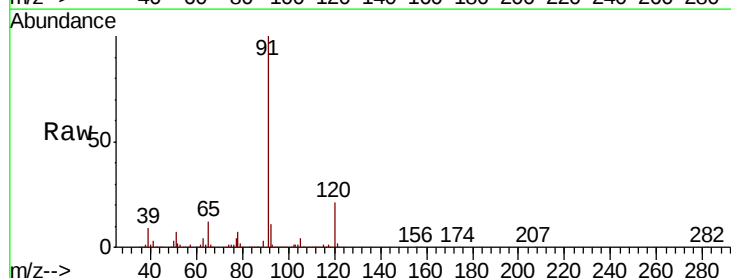
Acq: 20 Aug 2018 14:23

Tgt Ion: 91 Resp: 3926314

Ion Ratio Lower Upper

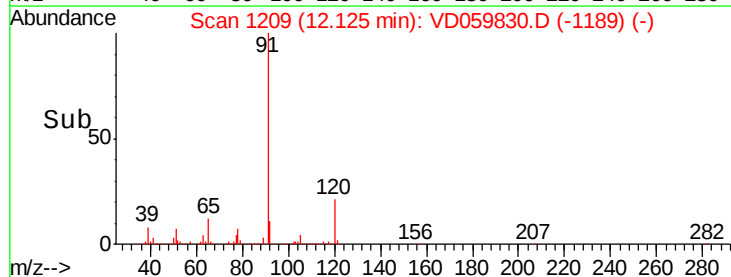
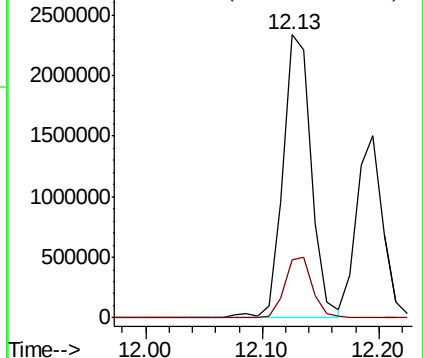
91 100

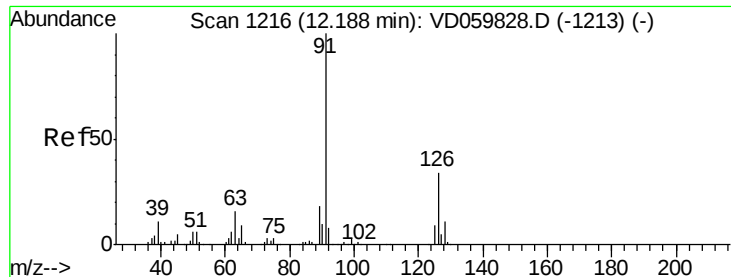
120 20.5 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

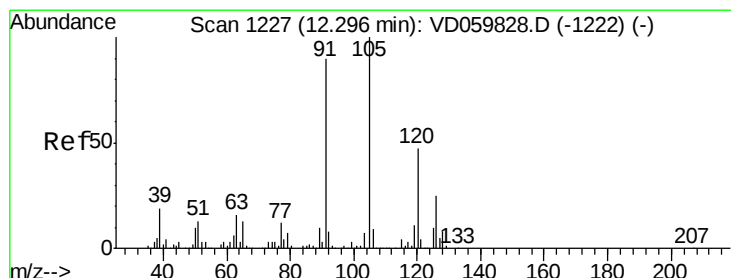
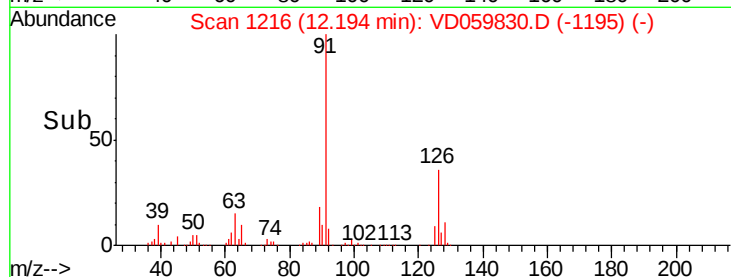
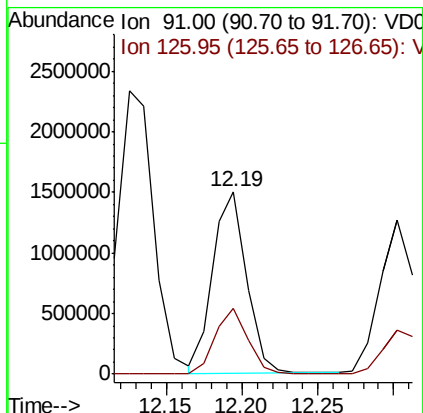
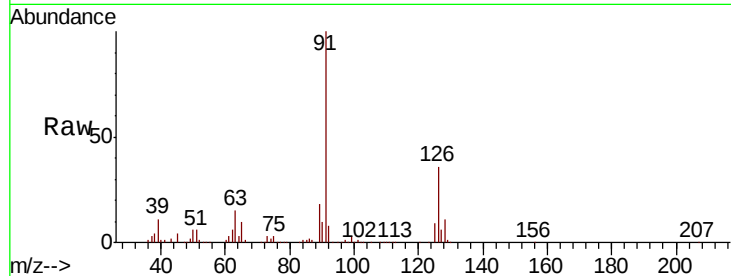




#79
 2-Chlorotoluene
 Concen: 91.751 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

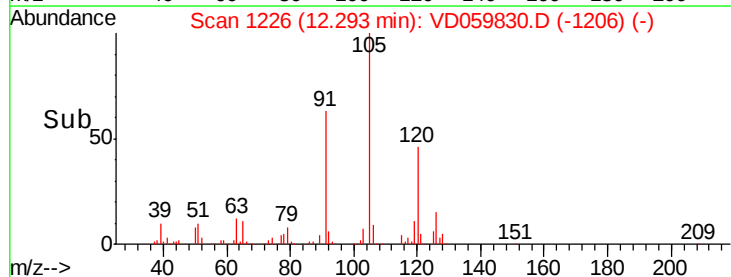
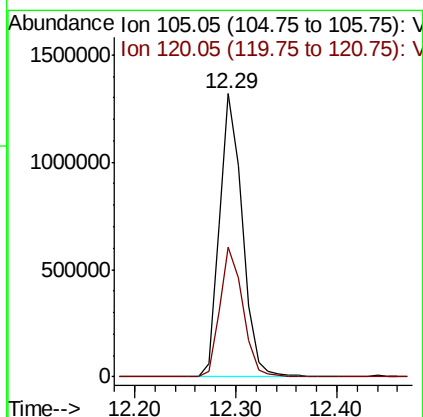
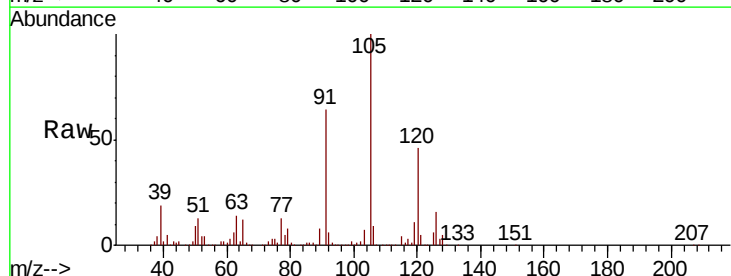
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

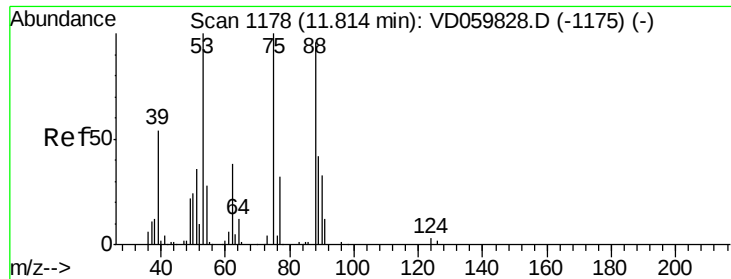
Tgt Ion: 91 Resp: 2341033
 Ion Ratio Lower Upper
 91 100
 126 35.8 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 77.958 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 105 Resp: 2079590
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 104.626 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059830.D

Acq: 20 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

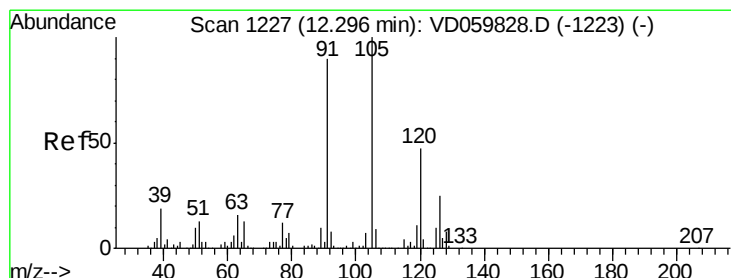
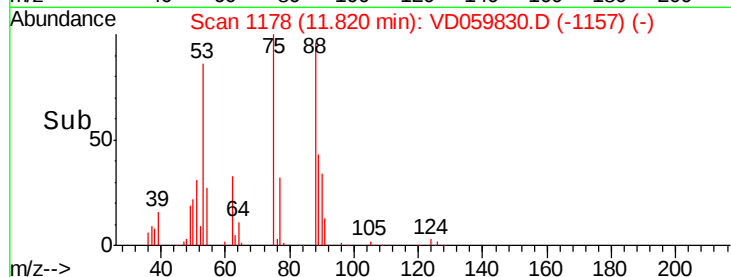
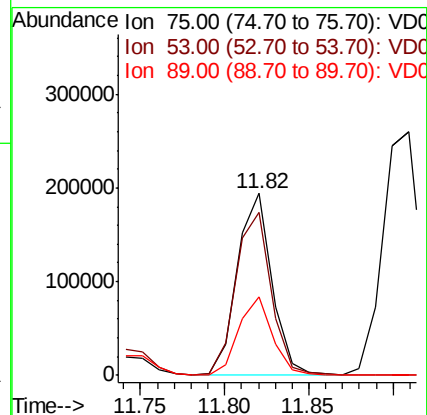
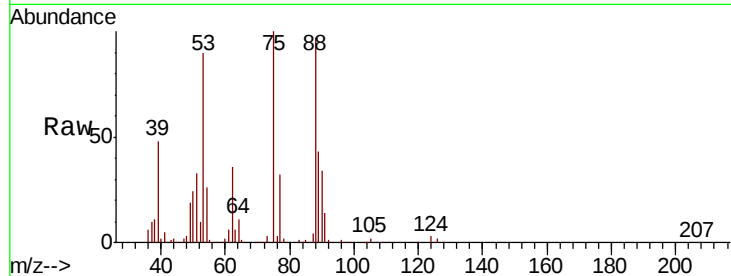
Tgt Ion: 75 Resp: 275748

Ion Ratio Lower Upper

75 100

53 89.8 80.7 121.1

89 42.9 33.9 50.9



#82

4-Chlorotoluene

Concen: 76.094 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059830.D

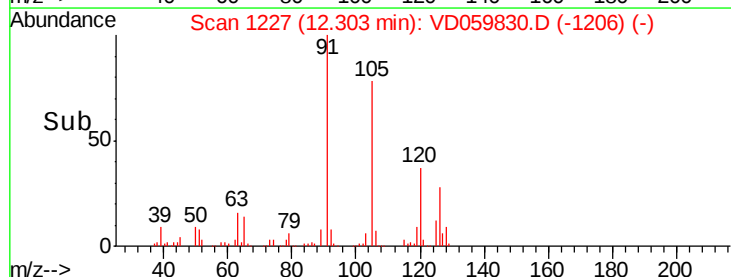
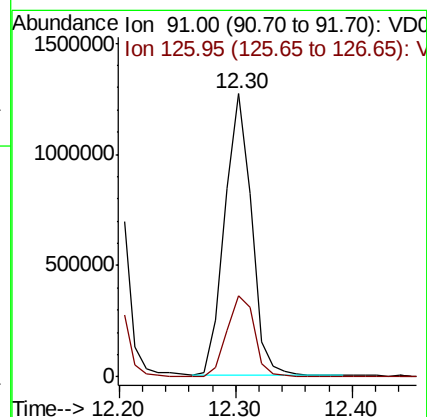
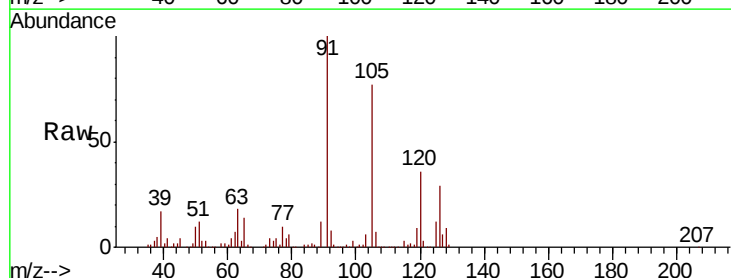
Acq: 20 Aug 2018 14:23

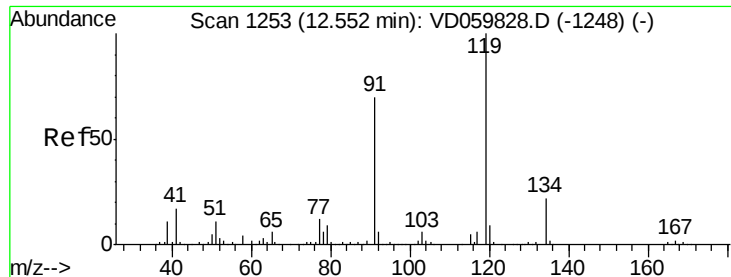
Tgt Ion: 91 Resp: 2018516

Ion Ratio Lower Upper

91 100

126 28.6 13.7 41.0

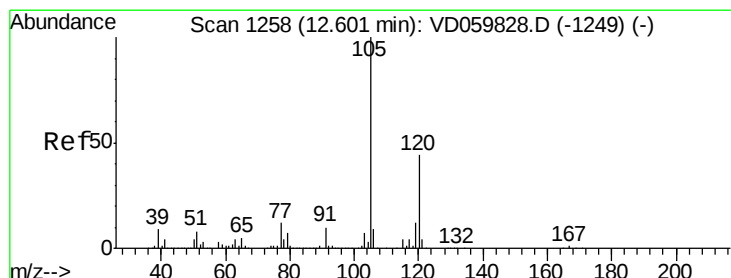
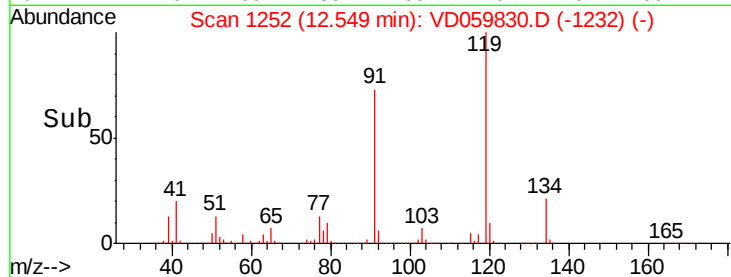
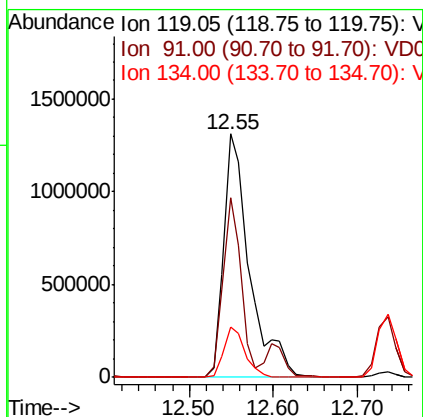
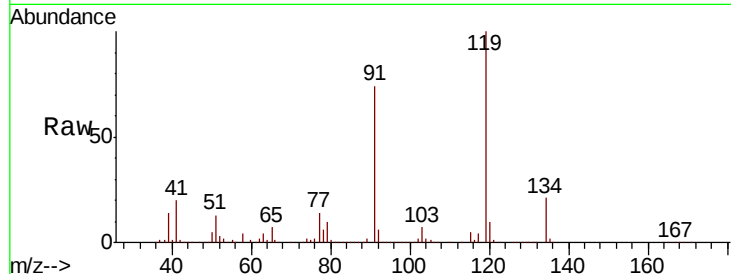




#83
 tert-Butylbenzene
 Concen: 89.831 ug/l
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

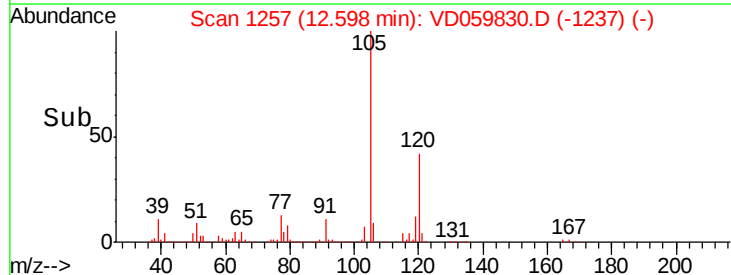
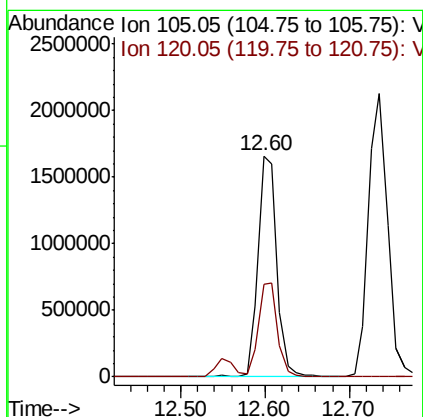
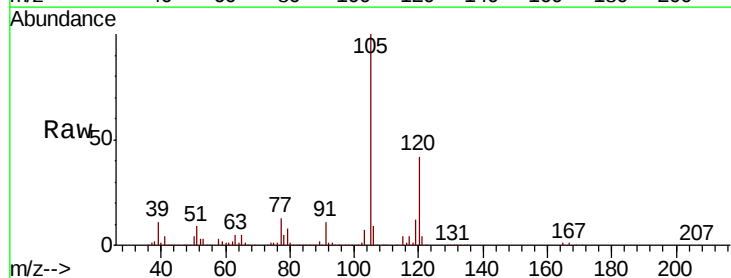
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

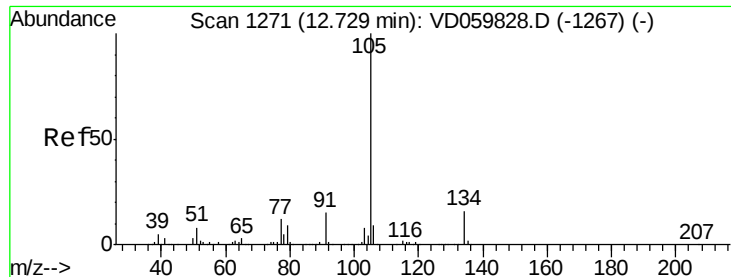
Tgt Ion:119 Resp: 2816167
 Ion Ratio Lower Upper
 119 100
 91 73.8 35.1 105.3
 134 20.8 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 89.405 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion:105 Resp: 2639759
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.0 66.0

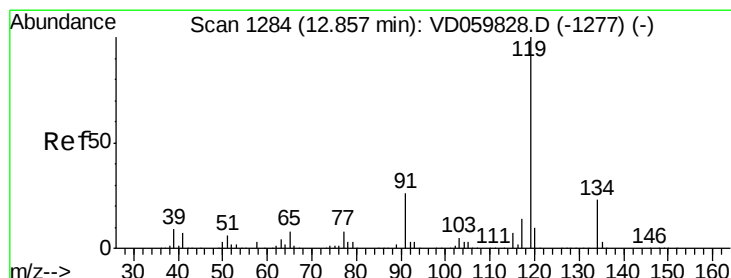
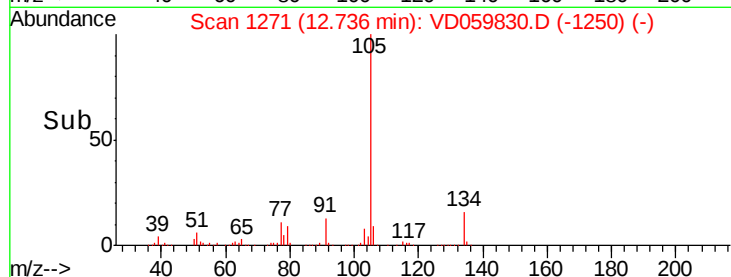
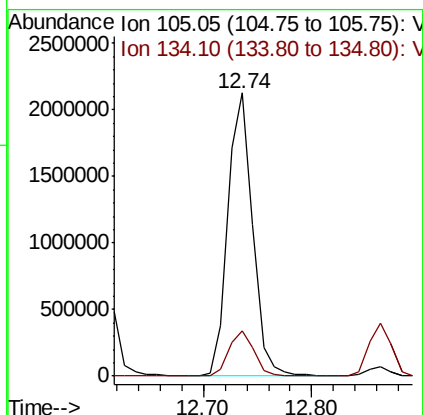
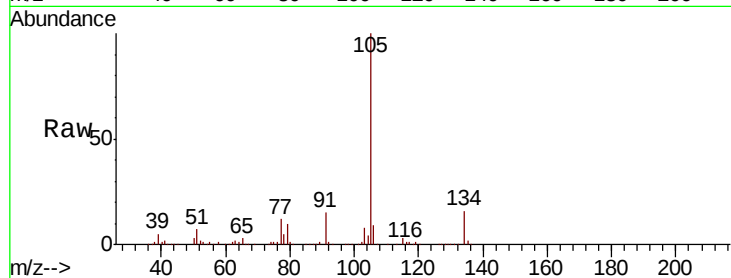




#85
 sec-Butylbenzene
 Concen: 89.500 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

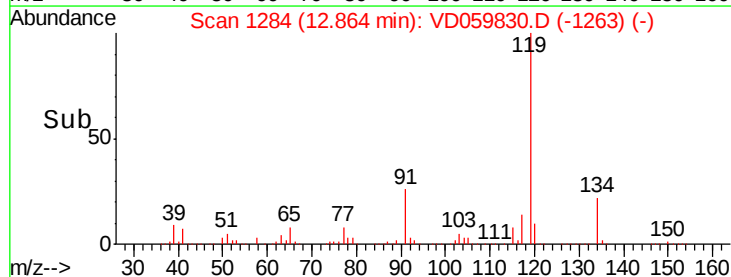
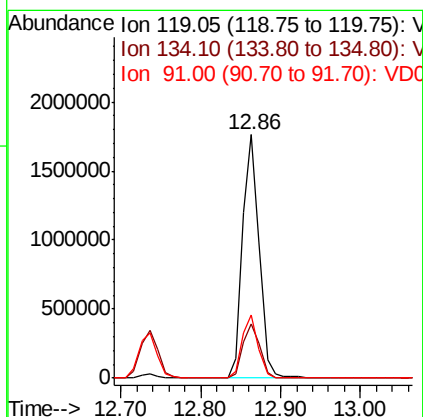
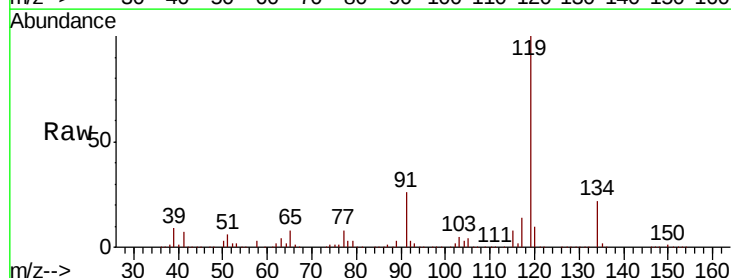
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

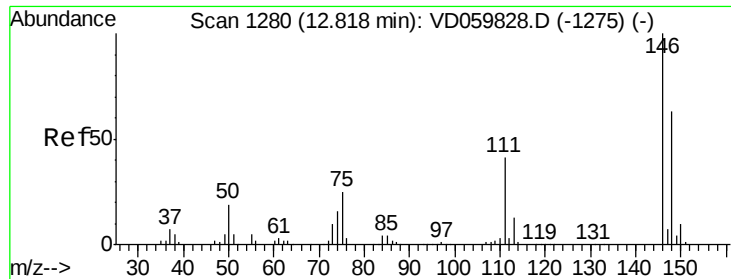
Tgt Ion:105 Resp: 3366360
 Ion Ratio Lower Upper
 105 100
 134 16.1 7.8 23.5



#86
 p-Isopropyltoluene
 Concen: 85.862 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion:119 Resp: 2535061
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.5 34.5
 91 26.1 13.2 39.6

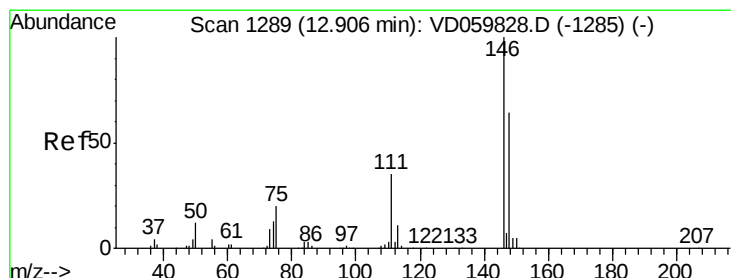
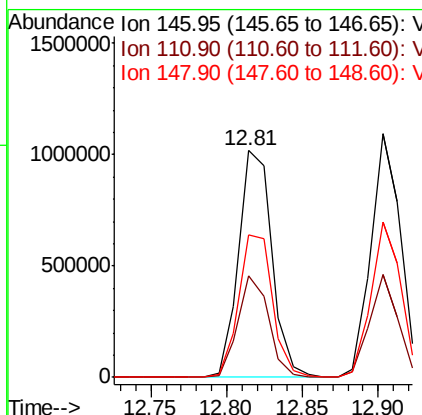
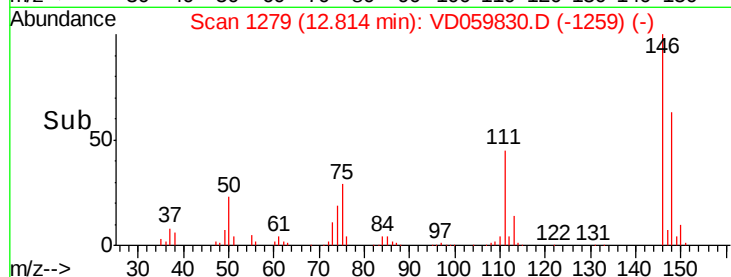
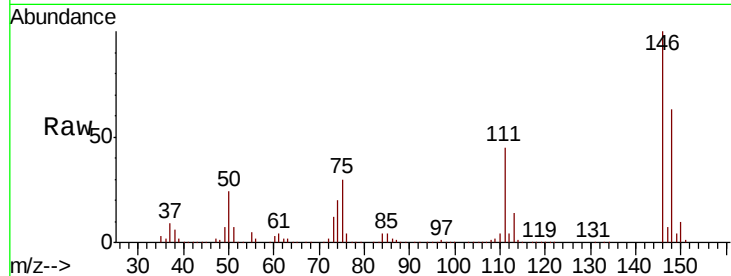




#87
 1,3-Dichlorobenzene
 Concen: 93.746 ug/l
 RT: 12.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

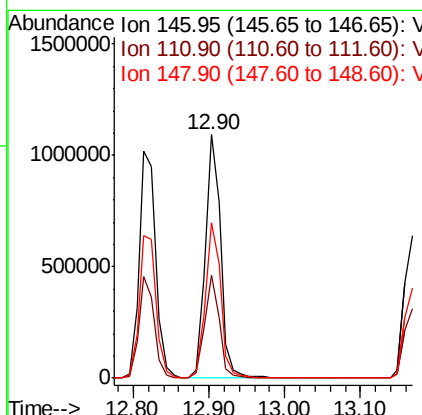
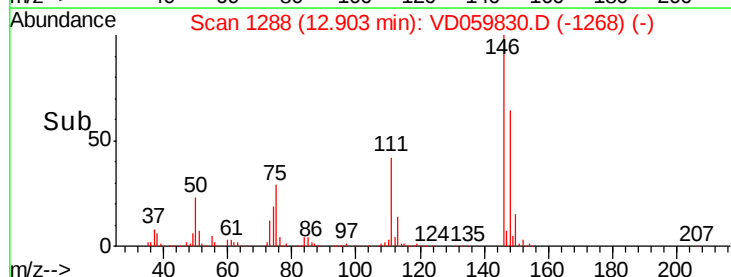
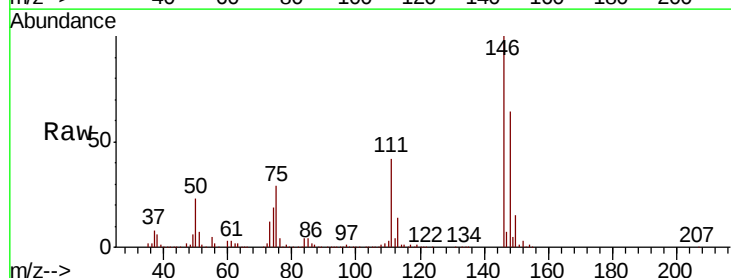
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

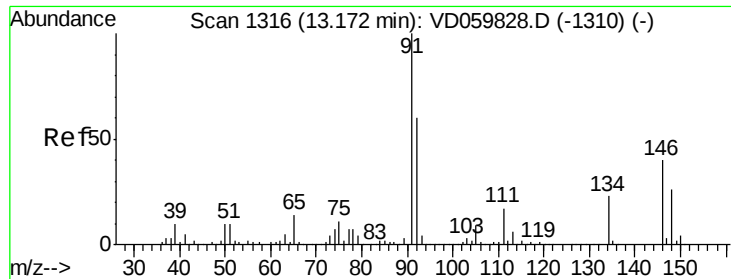
Tgt Ion:146 Resp: 1560763
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.3 60.9
 148 63.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 91.510 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion:146 Resp: 1532887
 Ion Ratio Lower Upper
 146 100
 111 42.5 17.8 53.3
 148 64.0 31.9 95.9

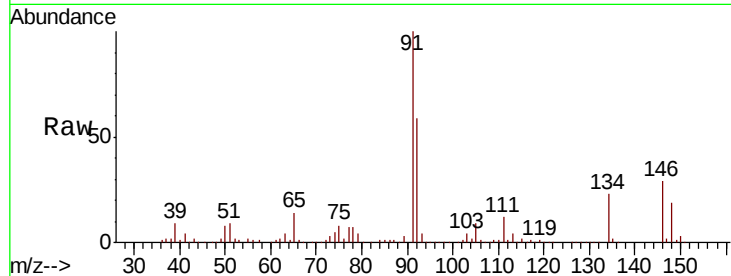




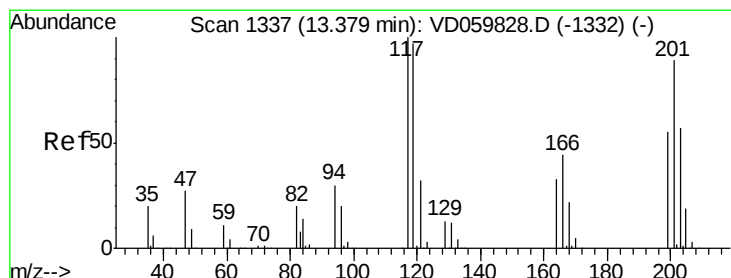
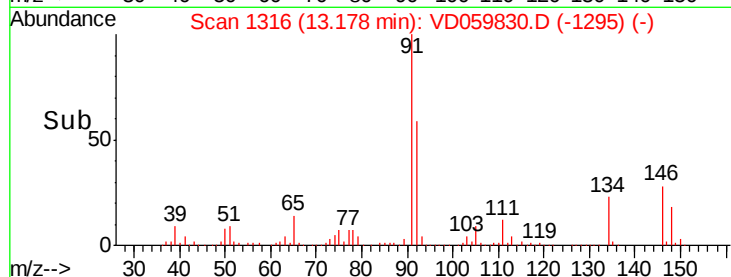
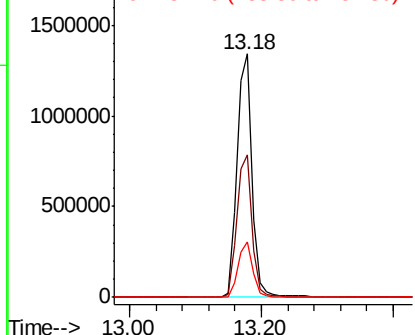
#89
n-Butylbenzene
Concen: 72.073 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 2134672
Ion Ratio Lower Upper
91 100
92 58.7 29.8 89.5
134 23.0 11.5 34.4

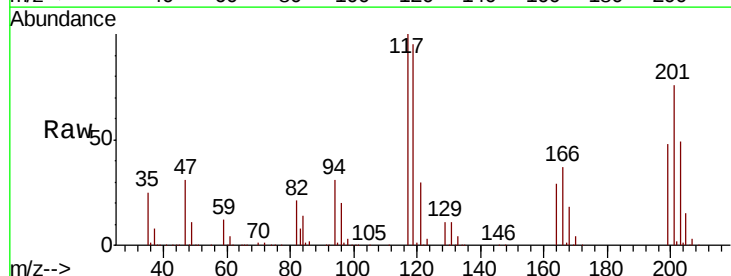


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

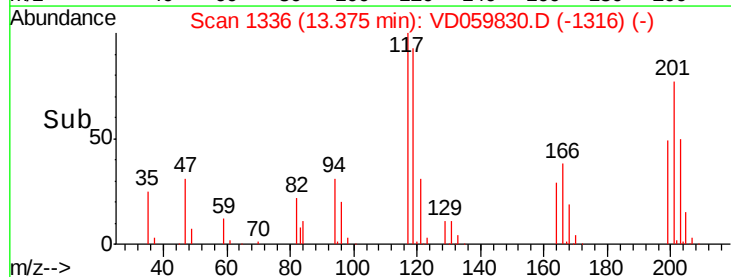
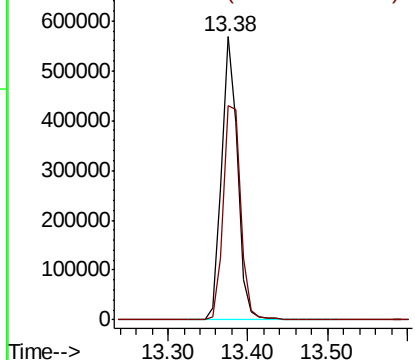


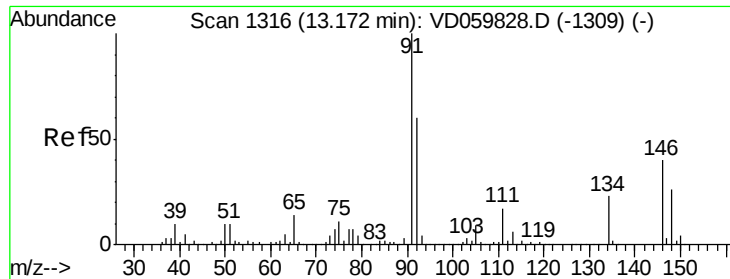
#90
Hexachloroethane
Concen: 97.215 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion: 117 Resp: 810770
Ion Ratio Lower Upper
117 100
201 75.9 44.6 134.0



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

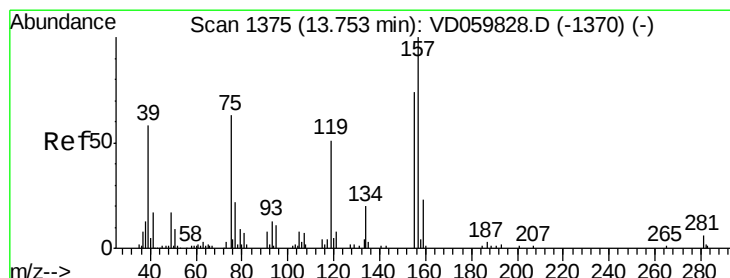
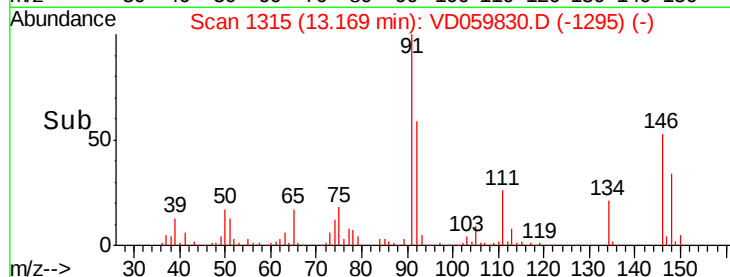
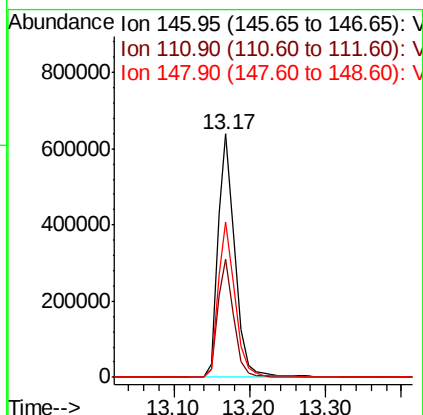
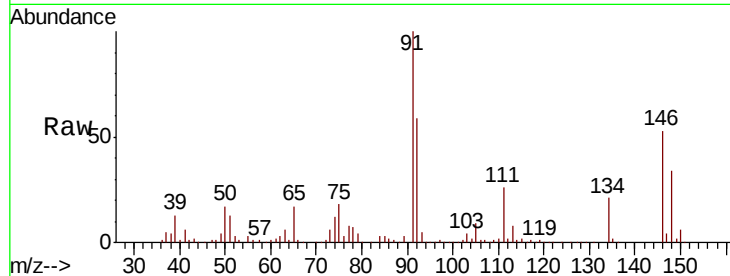




#91
 1,2-Dichlorobenzene
 Concen: 73.134 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

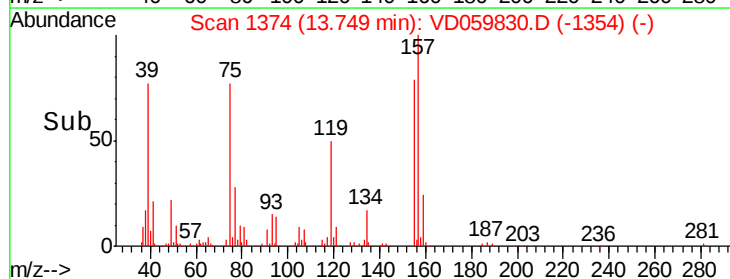
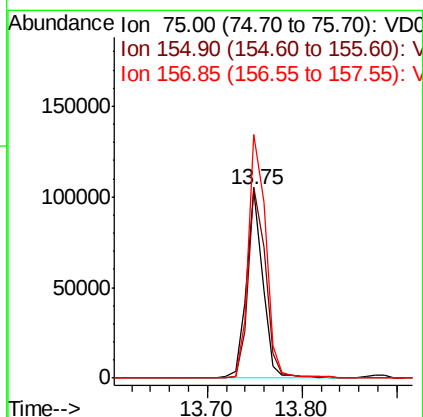
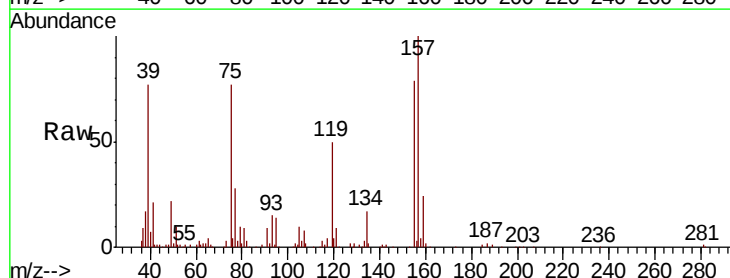
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

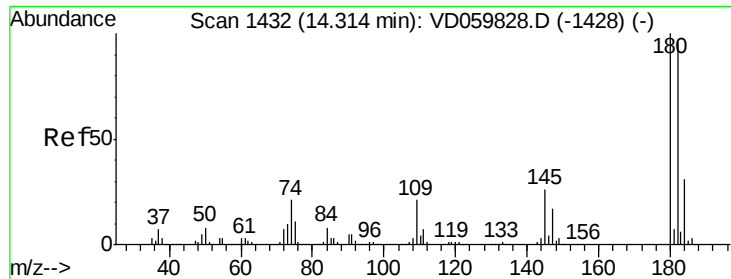
Tgt Ion:146 Resp: 991360
 Ion Ratio Lower Upper
 146 100
 111 48.6 20.9 62.8
 148 63.6 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.324 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion: 75 Resp: 125165
 Ion Ratio Lower Upper
 75 100
 155 101.5 59.1 177.3
 157 129.2 79.7 238.9

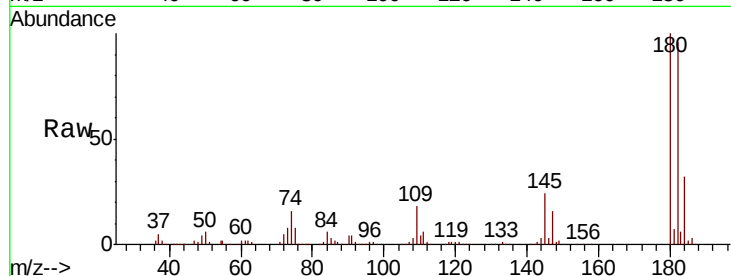




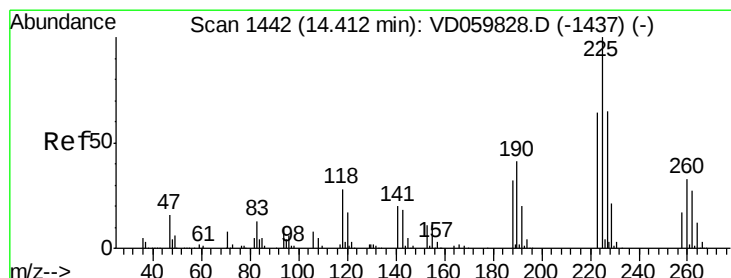
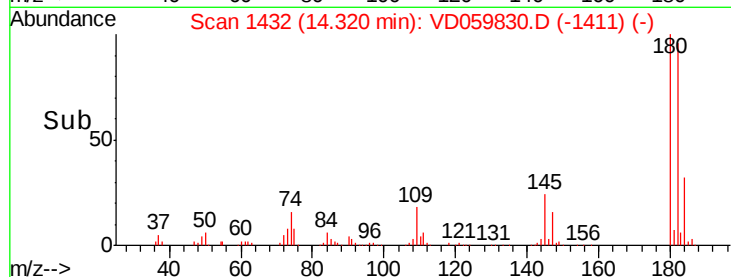
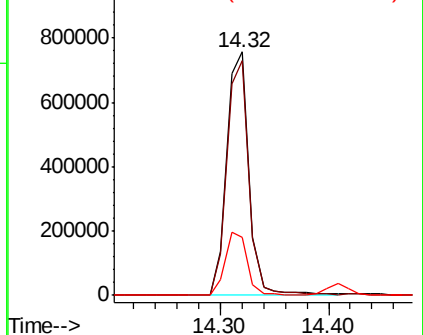
#93
 1,2,4-Trichlorobenzene
 Concen: 90.304 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 1092410
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.0 144.0
 145 23.9 13.1 39.1

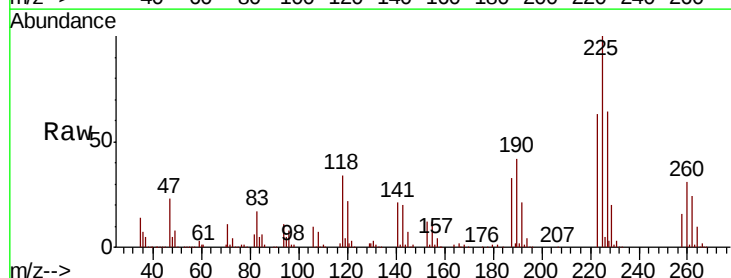


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

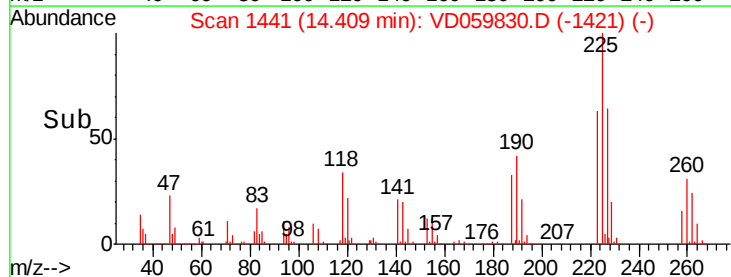
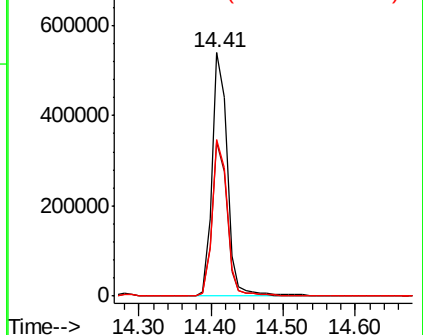


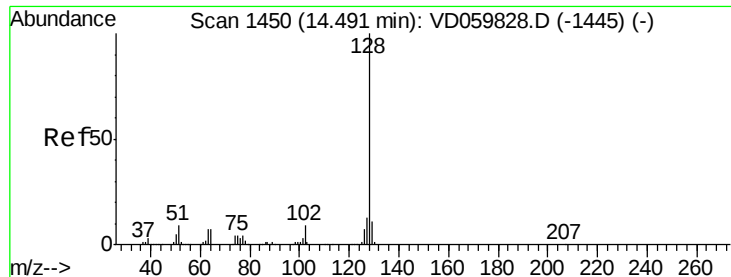
#94
 Hexachlorobutadiene
 Concen: 97.727 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059830.D
 Acq: 20 Aug 2018 14:23

Tgt Ion:225 Resp: 785545
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.8 95.4
 227 64.1 32.8 98.3



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

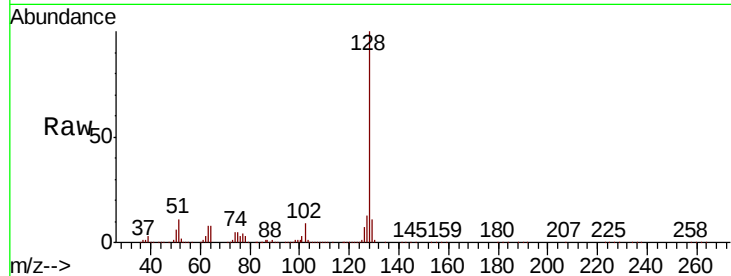




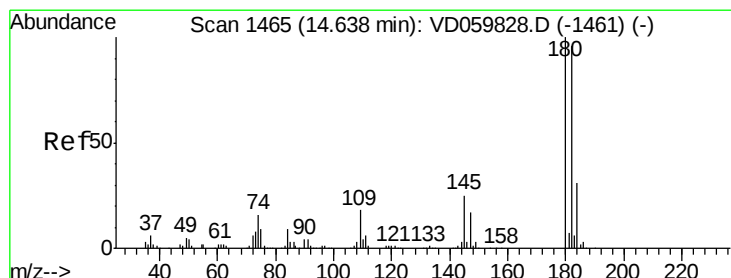
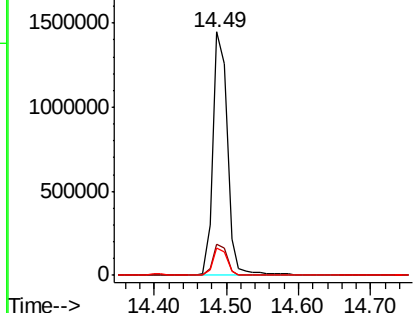
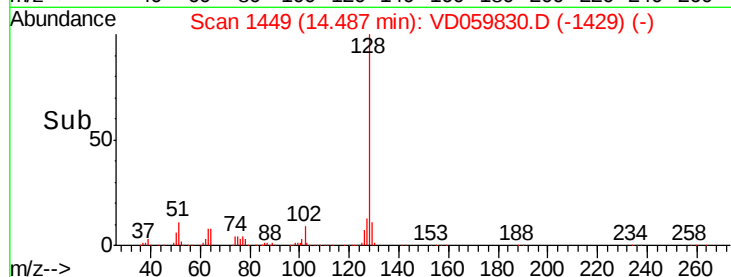
#95
Naphthalene
Concen: 103.775 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2002818
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.3 8.7 13.1

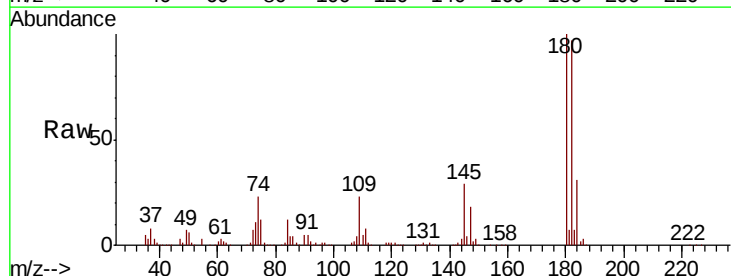


Abundance Ion 128.00 (127.70 to 128.70): V
2000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 94.811 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059830.D
Acq: 20 Aug 2018 14:23

Tgt Ion:180 Resp: 995683
Ion Ratio Lower Upper
180 100
182 96.9 47.8 143.4
145 29.2 12.7 38.0



Abundance Ion 179.85 (179.55 to 180.55): V
1000000 Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

