

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059393.D
 Acq On : 25 Jun 2018 3:40
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

Quant Time: Jun 25 07:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	836931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1105486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	904422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	455460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	479645	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	5.56	113	488756	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	8.71	98	1144836	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
62) 4-Bromofluorobenzene	11.94	95	498190	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	395786	53.15	ug/l	99
3) Chloromethane	1.50	50	220241	56.84	ug/l	91
4) Vinyl Chloride	1.56	62	241382	60.05	ug/l	97
5) Bromomethane	1.81	94	98637	72.98	ug/l	99
6) Chloroethane	1.89	64	105506	66.29	ug/l	93
7) Trichlorofluoromethane	2.10	101	344395	59.42	ug/l	98
8) Diethyl Ether	2.35	74	80363	61.27	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.57	101	204779	56.85	ug/l	91
10) Methyl Iodide	2.71	142	264077	62.77	ug/l	96
11) Tert butyl alcohol	3.28	59	90722	306.40	ug/l	98
12) 1,1-Dichloroethene	2.56	96	160313	58.13	ug/l	90
13) Acrolein	2.48	56	74690	282.17	ug/l	92
14) Allyl chloride	2.93	41	379965	60.20	ug/l	99
15) Acrylonitrile	3.37	53	260957	287.17	ug/l	95
16) Acetone	2.63	43	295665	273.71	ug/l	94
17) Carbon Disulfide	2.77	76	491265	58.17	ug/l	98
18) Methyl Acetate	2.95	43	133491	57.63	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	748967	55.18	ug/l	97
20) Methylene Chloride	3.08	84	176305	59.32	ug/l	99
21) trans-1,2-Dichloroethene	3.41	96	273571	56.11	ug/l	98
22) Diisopropyl ether	4.08	45	1410724	59.40	ug/l	99
23) Vinyl Acetate	4.04	43	3844464	310.69	ug/l	100
24) 1,1-Dichloroethane	3.99	63	789472	58.09	ug/l	97
25) 2-Butanone	4.85	43	626617	276.92	ug/l	95
26) 2,2-Dichloropropane	4.81	77	587009	55.70	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	452523	55.23	ug/l	97
28) Bromochloromethane	5.16	49	332315	56.40	ug/l	94
29) Tetrahydrofuran	5.20	42	343512	277.54	ug/l	99
30) Chloroform	5.33	83	845428	57.08	ug/l	94
31) Cyclohexane	5.60	56	534605	60.43	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	698495	58.23	ug/l	95
36) 1,1-Dichloropropene	5.76	75	543713	54.22	ug/l	98
37) Ethyl Acetate	4.94	43	338695	55.46	ug/l	98
38) Carbon Tetrachloride	5.74	117	599762	58.01	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	520507	54.73	ug/l	95
40) Benzene	6.02	78	1328956	55.22	ug/l	98
41) Methacrylonitrile	5.14	41	160040	54.41	ug/l #	89
42) 1,2-Dichloroethane	6.14	62	600616	56.48	ug/l	98
43) Isopropyl Acetate	7.63	43	449159	58.56	ug/l	99
44) Trichloroethene	6.99	130	431834	54.80	ug/l	96
45) 1,2-Dichloropropane	7.36	63	364255	54.65	ug/l	97
46) Dibromomethane	7.47	93	267267	55.76	ug/l	93
47) Bromodichloromethane	7.76	83	625641	58.33	ug/l #	96
48) Methyl methacrylate	7.51	41	274357	58.72	ug/l	94
49) 1,4-Dioxane	7.50	88	52816	1127.06	ug/l	96
51) 4-Methyl-2-Pentanone	8.60	43	1410946	276.08	ug/l	100
52) Toluene	8.81	92	776902	54.05	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	521528	58.19	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	580986	55.98	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	291232	55.81	ug/l	94
56) Ethyl methacrylate	9.32	69	343065	57.62	ug/l	95
57) 1,3-Dichloropropane	9.68	76	478331	56.05	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	837707	273.29	ug/l	99
59) 2-Hexanone	9.79	43	1030191	283.62	ug/l	98
60) Dibromochloromethane	9.96	129	430359	58.89	ug/l	99
61) 1,2-Dibromoethane	10.10	107	331719	57.09	ug/l	97
64) Tetrachloroethene	9.52	164	432372	54.50	ug/l	98
65) Chlorobenzene	10.73	112	909433	54.99	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.86	131	359689	56.66	ug/l	97
67) Ethyl Benzene	10.87	91	1530951	54.86	ug/l	100
68) m/p-Xylenes	11.01	106	1041563	112.50	ug/l	94
69) o-Xylene	11.41	106	517412	56.53	ug/l	95
70) Styrene	11.44	104	845474	53.88	ug/l	98
71) Bromoform	11.61	173	321093	61.06	ug/l	93
73) Isopropylbenzene	11.78	105	1466098	57.04	ug/l	98
74) N-amyl acetate	11.65	43	588622	60.19	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	341546	56.64	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	346791	55.20	ug/l	96
77) Bromobenzene	12.05	156	466591	57.68	ug/l	84
78) n-propylbenzene	12.16	91	1869895	57.44	ug/l	98
79) 2-Chlorotoluene	12.22	91	1101260	57.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1144205	55.92	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	87703	61.42	ug/l	88
82) 4-Chlorotoluene	12.33	91	1186807	54.75	ug/l	90
83) tert-Butylbenzene	12.58	119	1312967	60.32	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1274756	58.87	ug/l	98
85) sec-Butylbenzene	12.76	105	1510769	56.57	ug/l	98
86) p-Isopropyltoluene	12.89	119	1274098	59.19	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	779012	58.53	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	770234	58.65	ug/l	97
89) n-Butylbenzene	13.20	91	1204070	56.66	ug/l	98
90) Hexachloroethane	13.41	117	337069	62.76	ug/l	73
91) 1,2-Dichlorobenzene	13.20	146	639511	56.68	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	61024	61.37	ug/l #	54

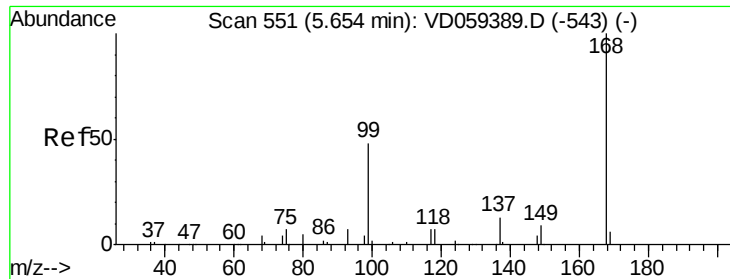
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	590793	56.63	ug/l	96
94) Hexachlorobutadiene	14.44	225	470549	59.94	ug/l	97
95) Naphthalene	14.52	128	861365	59.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	544255	58.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

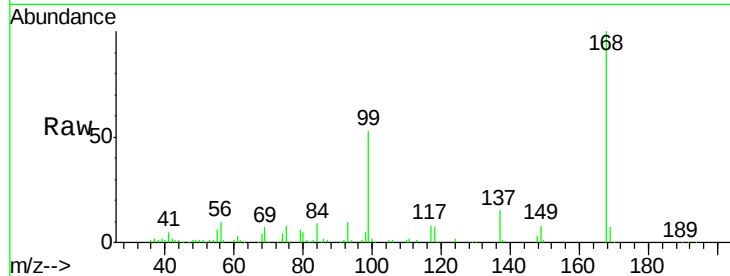
ICVVD062518

Tot Ion:168 Resp: 836931

Ion Ratio Lower Upper

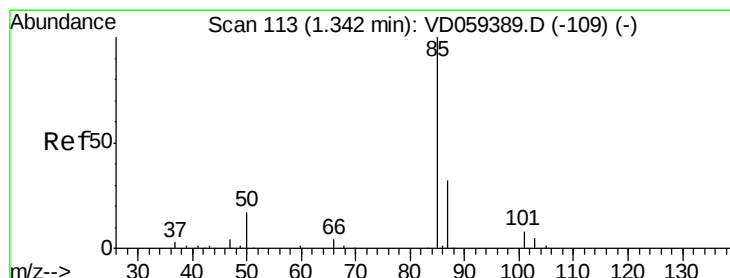
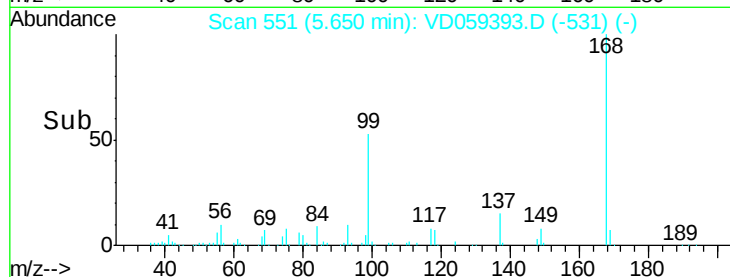
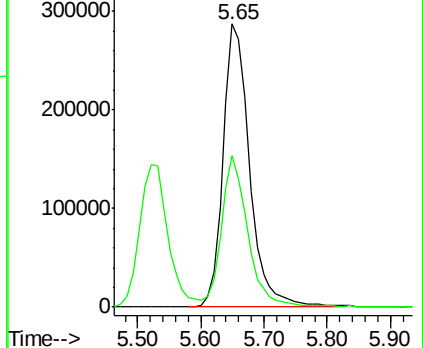
168 100

99 53.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.15 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059393.D

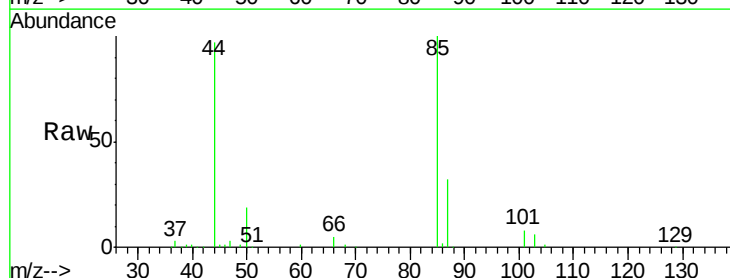
Acq: 25 Jun 2018 3:40

Tgt Ion: 85 Resp: 395786

Ion Ratio Lower Upper

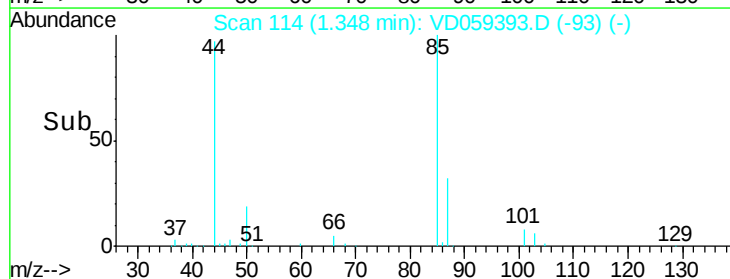
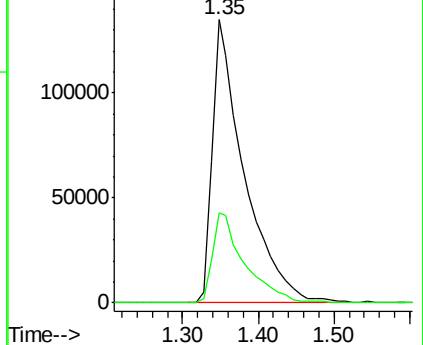
85 100

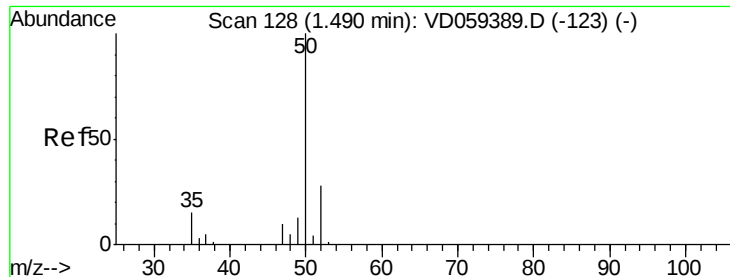
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.84 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

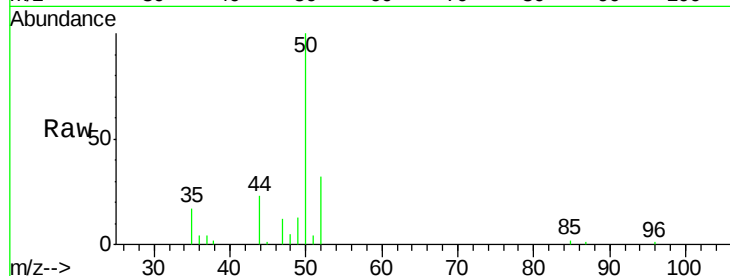
ICVVD062518

Tot Ion: 50 Resp: 220241

Ion Ratio Lower Upper

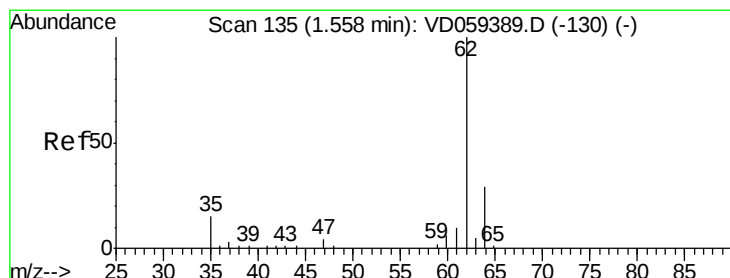
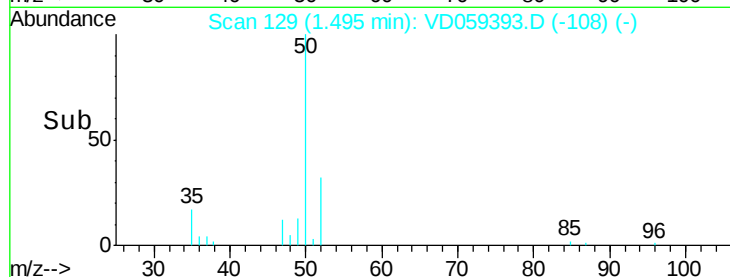
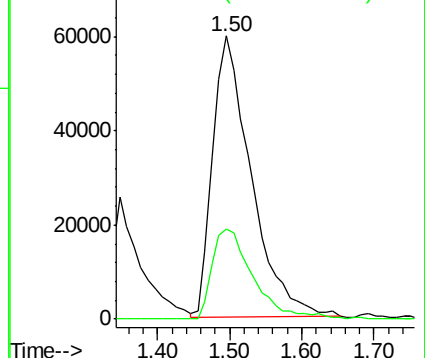
50 100

52 31.8 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 60.05 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059393.D

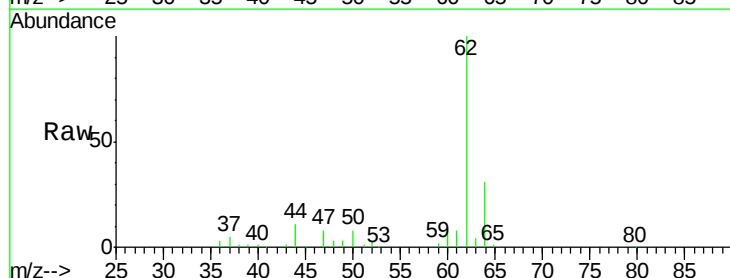
Acq: 25 Jun 2018 3:40

Tgt Ion: 62 Resp: 241382

Ion Ratio Lower Upper

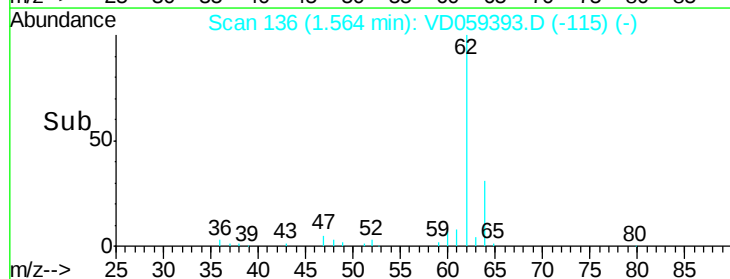
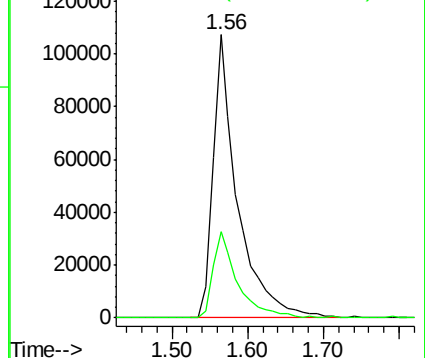
62 100

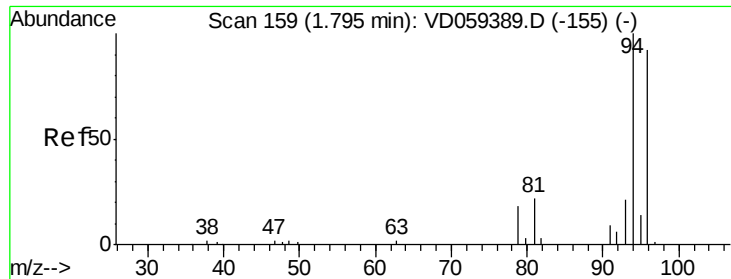
64 30.6 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

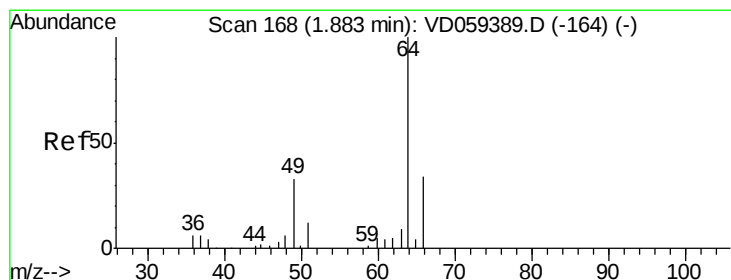
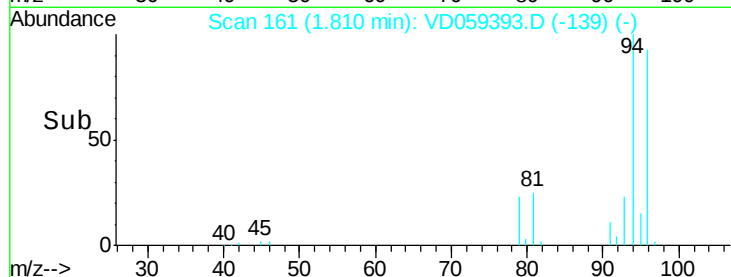
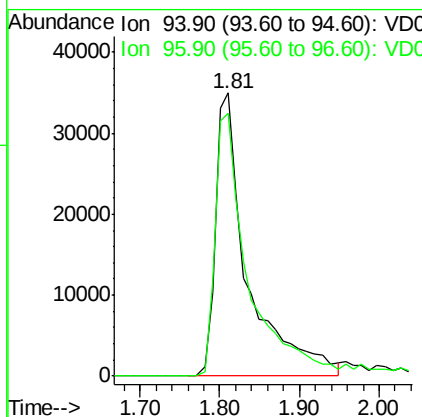
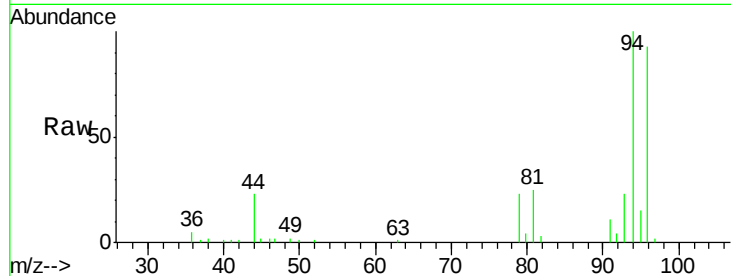




#5
Bromomethane
Concen: 72.98 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

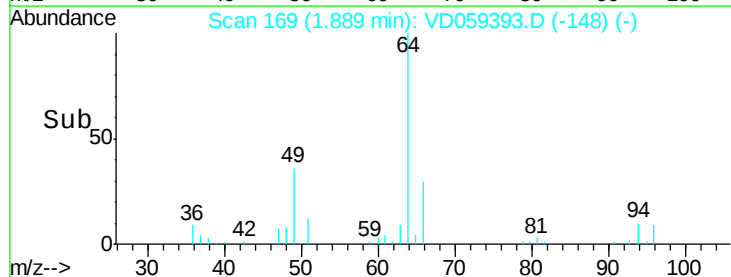
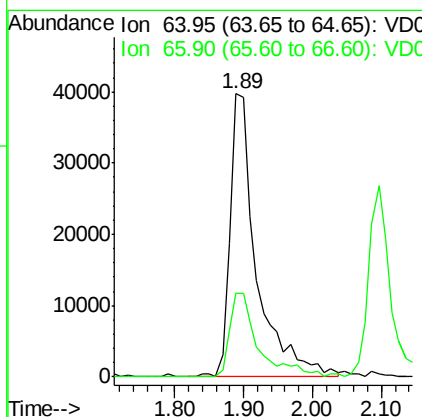
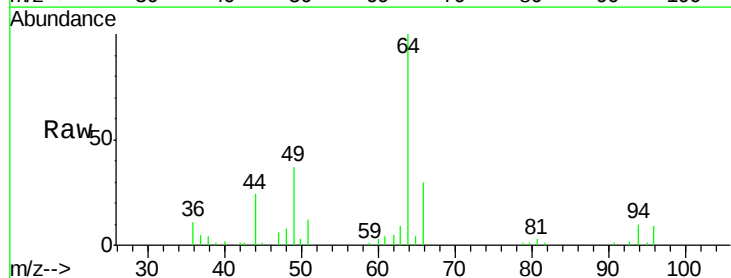
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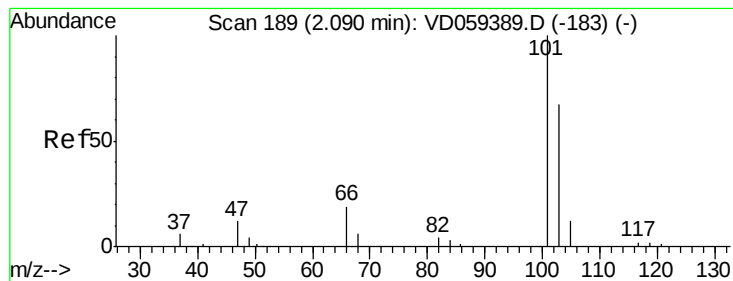
Tot Ion: 94 Resp: 98637
Ion Ratio Lower Upper
94 100
96 92.8 73.4 110.0



#6
Chloroethane
Concen: 66.29 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 64 Resp: 105506
Ion Ratio Lower Upper
64 100
66 29.6 27.1 40.7



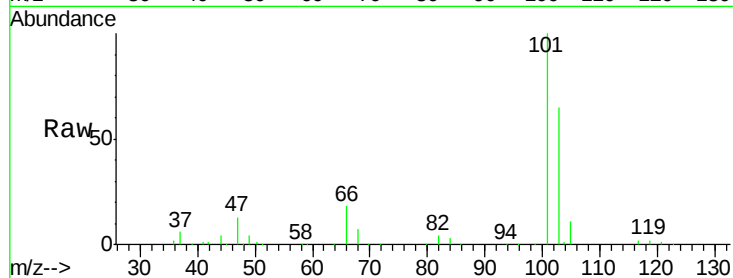


#7

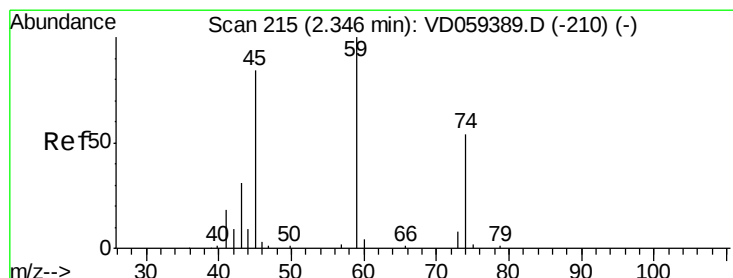
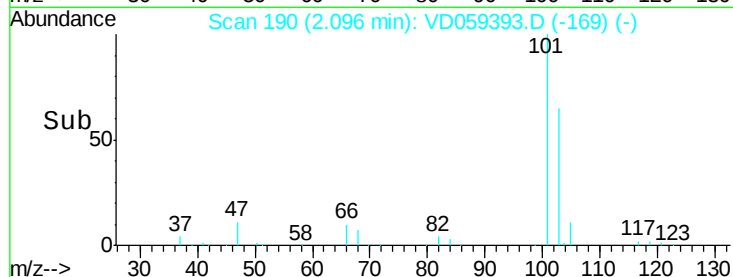
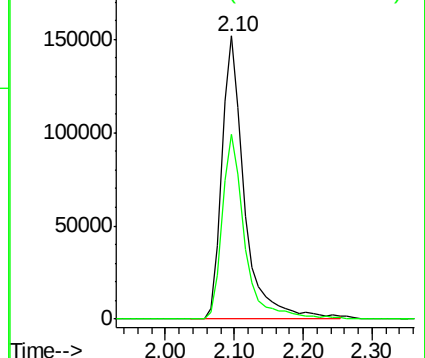
Trichlorofluoromethane
Concen: 59.42 ug/l
RT: 2.10 min Scan# 190
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

Tot Ion:101 Resp: 344395
Ion Ratio Lower Upper
101 100
103 65.2 53.4 80.0



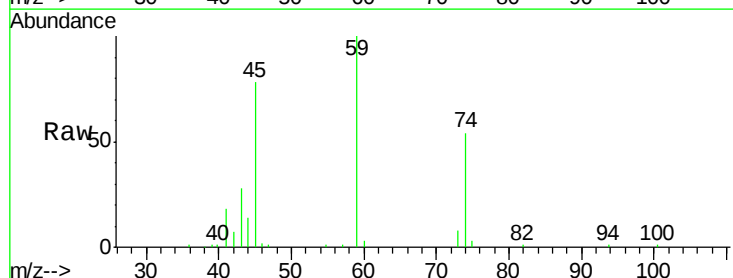
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



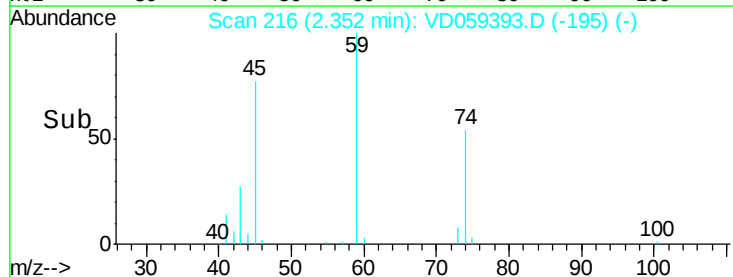
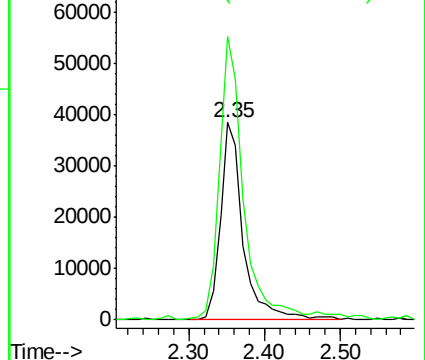
#8

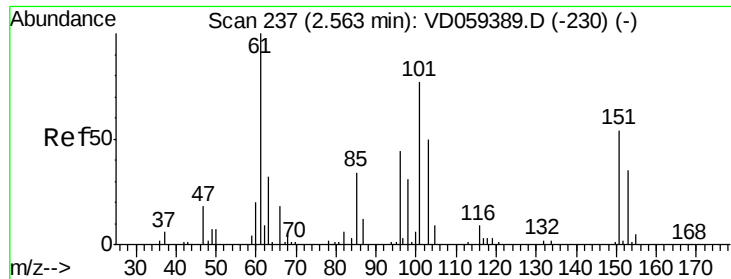
Diethyl Ether
Concen: 61.27 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 74 Resp: 80363
Ion Ratio Lower Upper
74 100
45 143.6 78.0 233.8



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: 56.85 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

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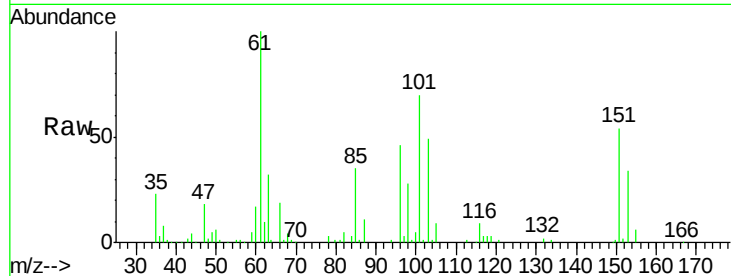
Tot Ion:101 Resp: 204779

Ion Ratio Lower Upper

101 100

85 50.5 35.7 53.5

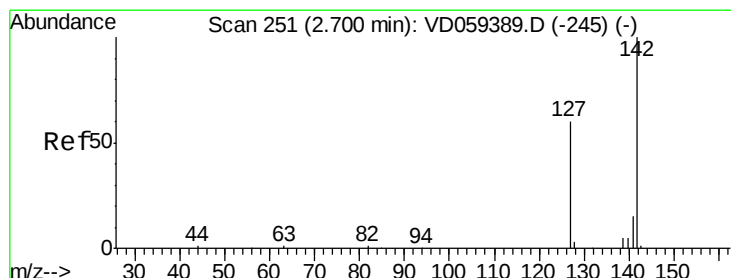
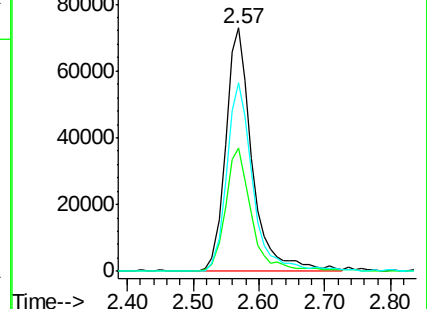
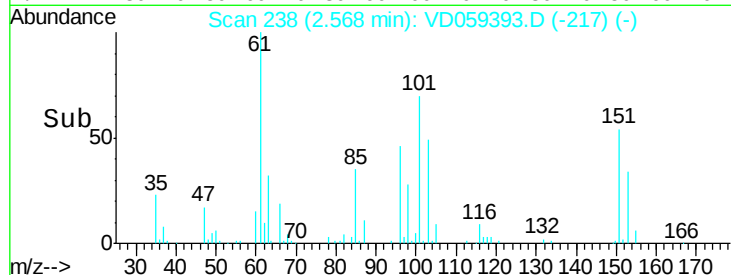
151 77.5 55.8 83.8



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: 62.77 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

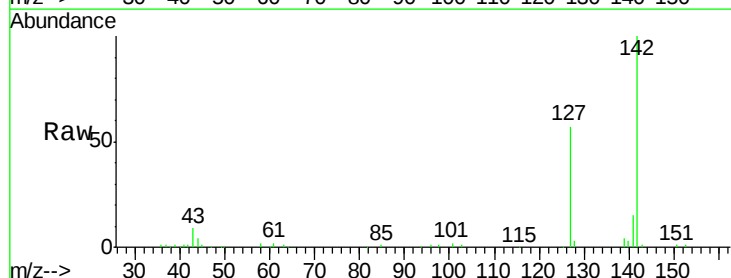
Tgt Ion:142 Resp: 264077

Ion Ratio Lower Upper

142 100

127 57.1 48.4 72.6

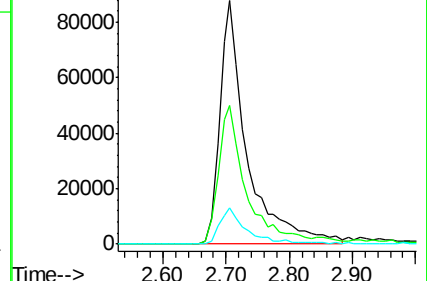
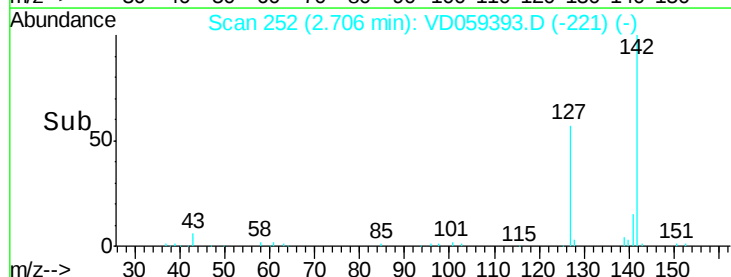
141 15.0 12.1 18.1

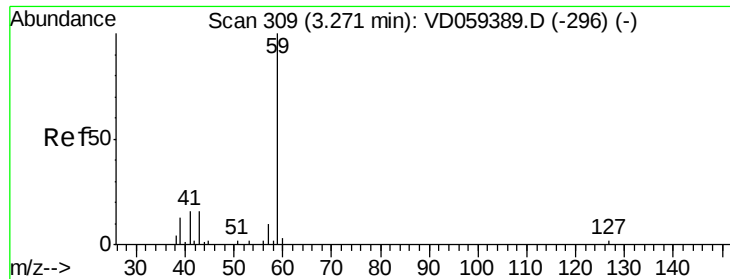


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

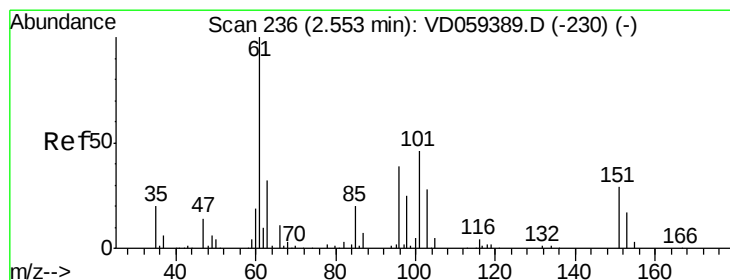
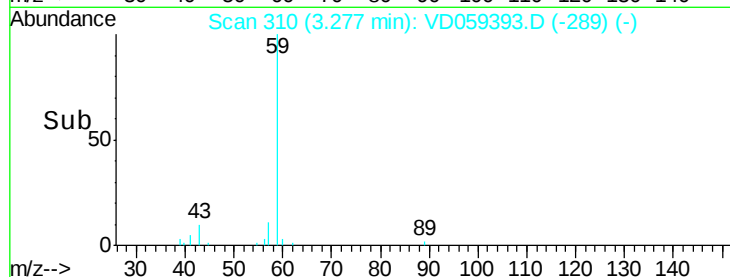
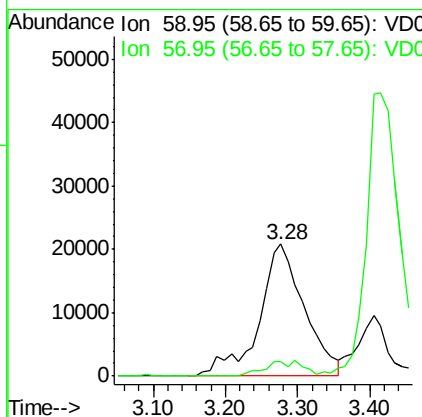
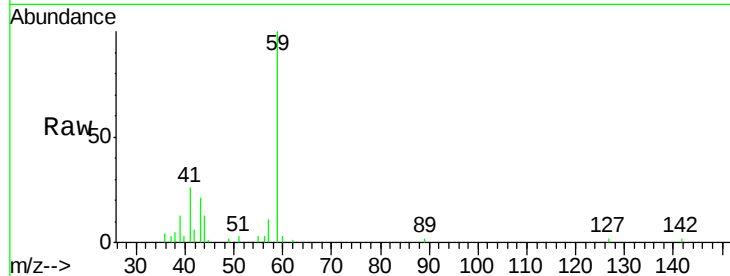




#11
Tert butyl alcohol
Concen: 306.40 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

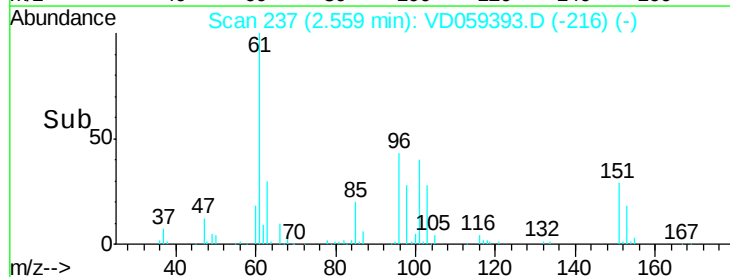
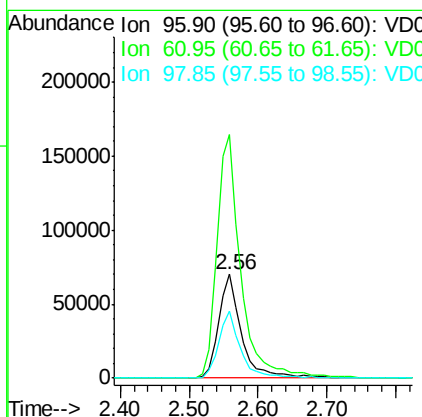
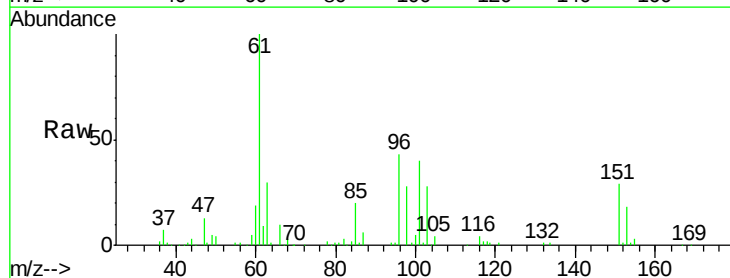
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

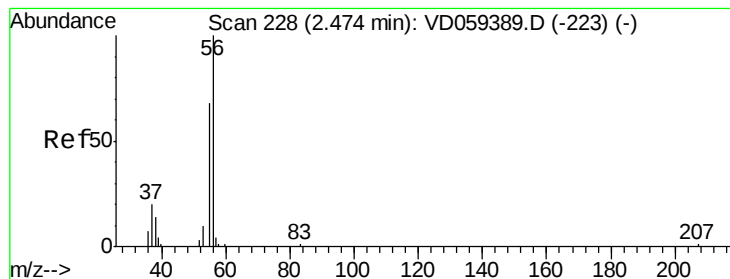
Tot Ion: 59 Resp: 90722
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 58.13 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 96 Resp: 160313
Ion Ratio Lower Upper
96 100
61 235.0 205.4 308.0
98 64.8 51.0 76.4





#13

Acrolein

Concen: 282.17 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

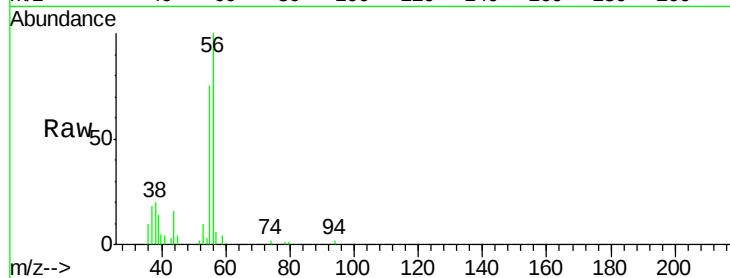
ICVVD062518

Tot Ion: 56 Resp: 74690

Ion Ratio Lower Upper

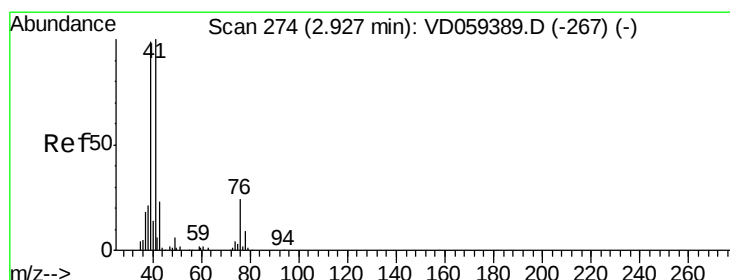
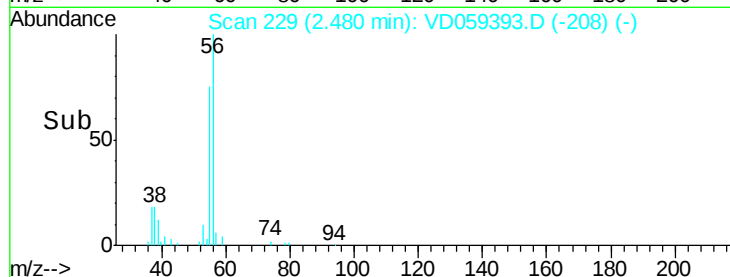
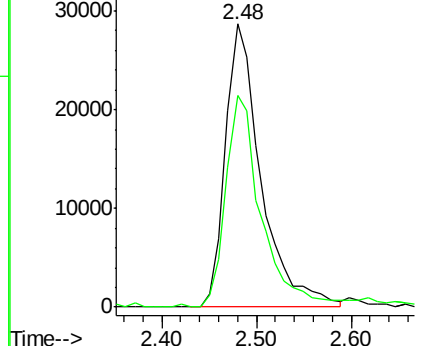
56 100

55 75.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 60.20 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

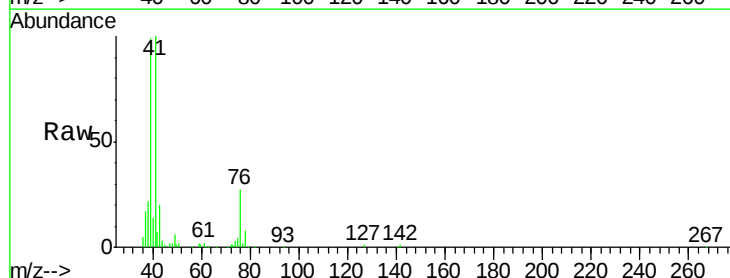
Tgt Ion: 41 Resp: 379965

Ion Ratio Lower Upper

41 100

39 99.5 79.1 118.7

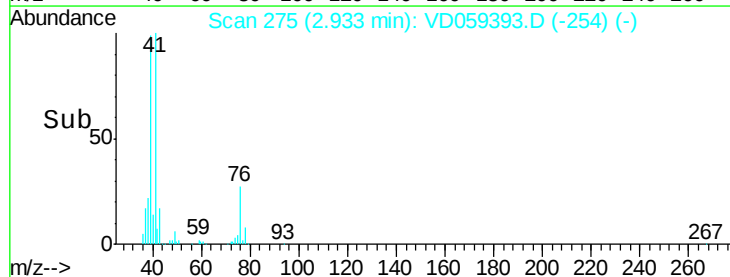
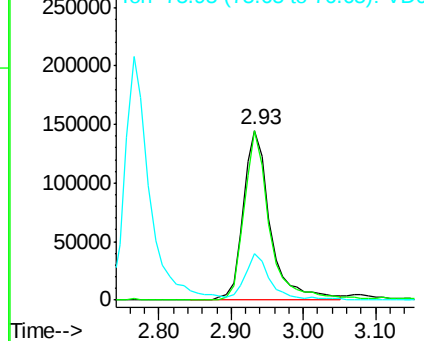
76 27.2 21.9 32.9

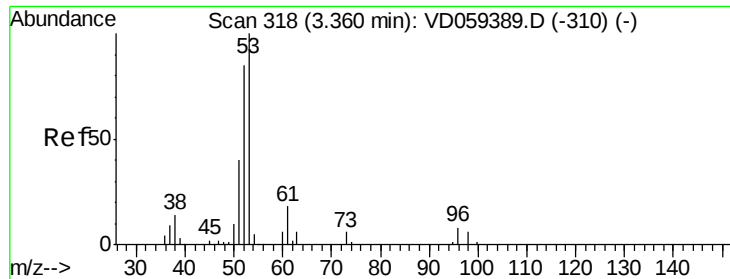


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 287.17 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

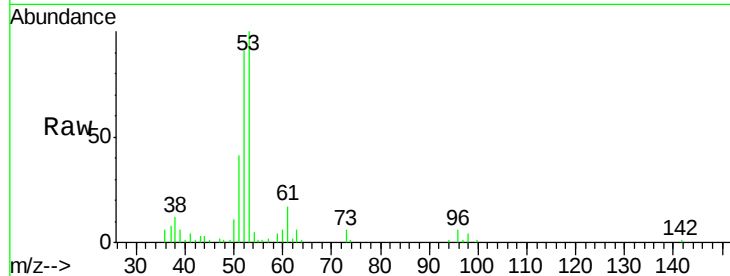
Tot Ion: 53 Resp: 260957

Ion Ratio Lower Upper

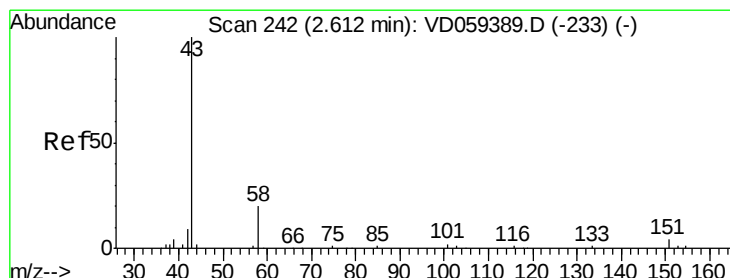
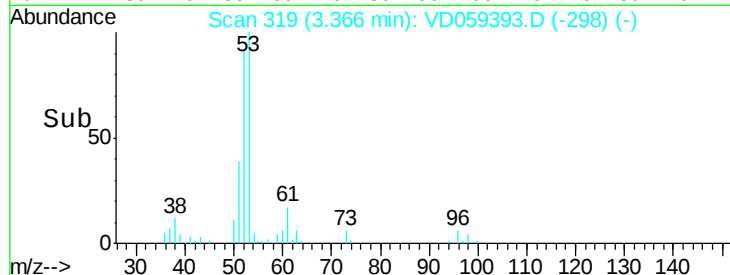
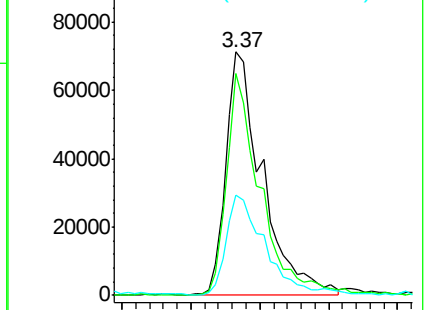
53 100

52 91.0 67.9 101.9

51 41.2 32.2 48.4



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



#16

Acetone

Concen: 273.71 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD059393.D

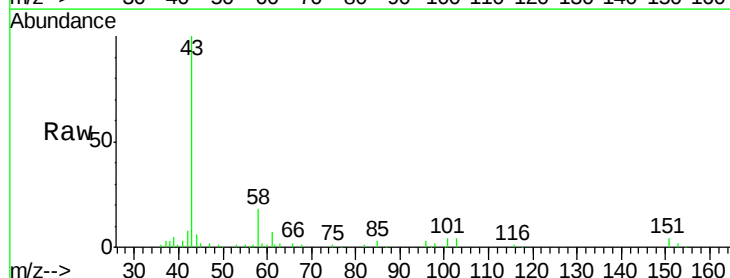
Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 295665

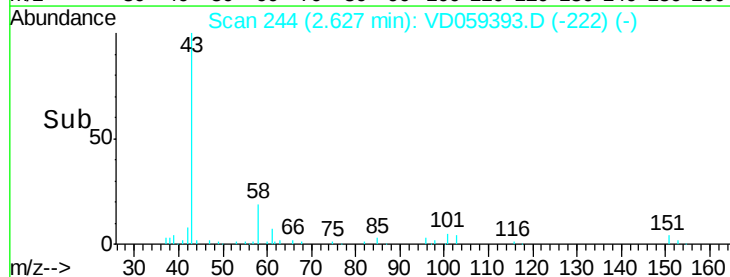
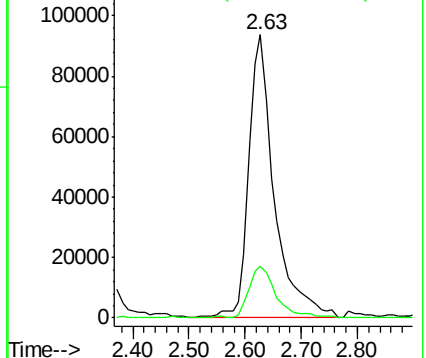
Ion Ratio Lower Upper

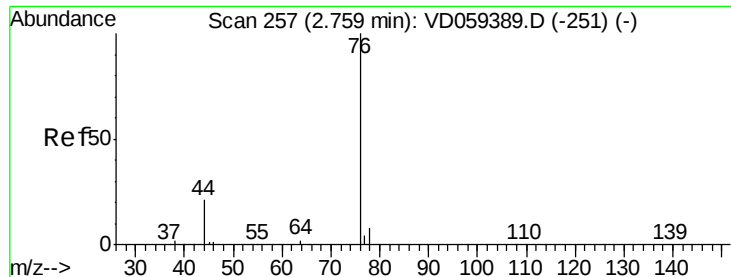
43 100

58 18.3 16.8 25.2



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

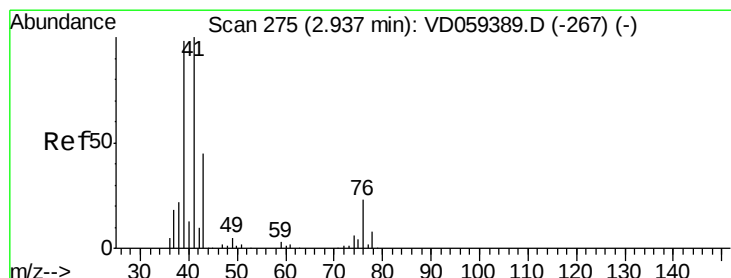
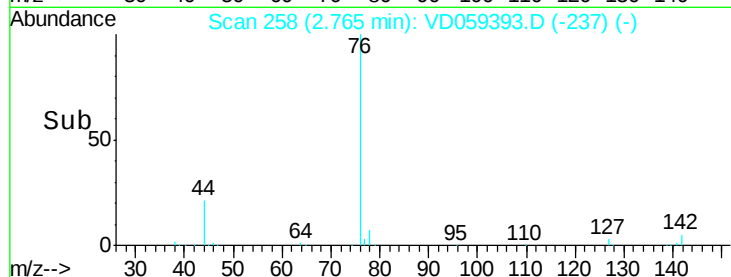
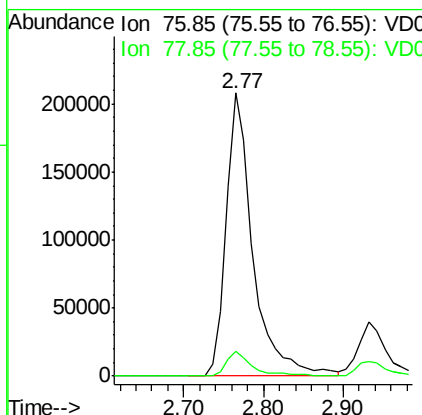
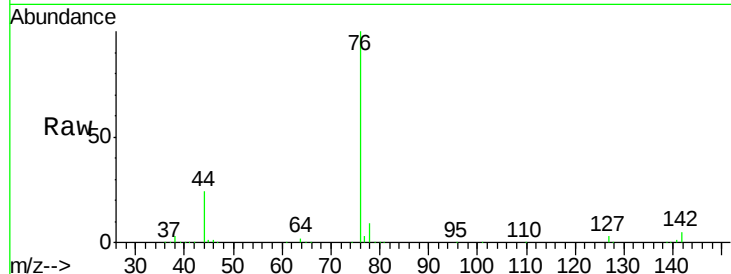




#17
Carbon Disulfide
Concen: 58.17 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

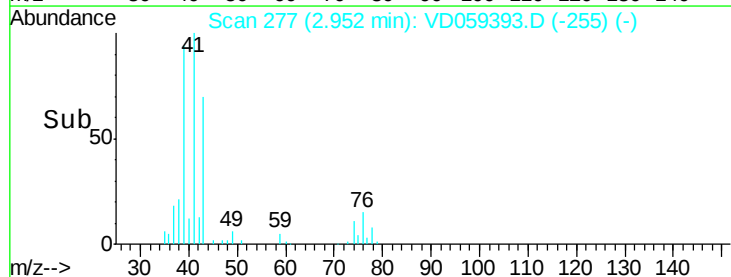
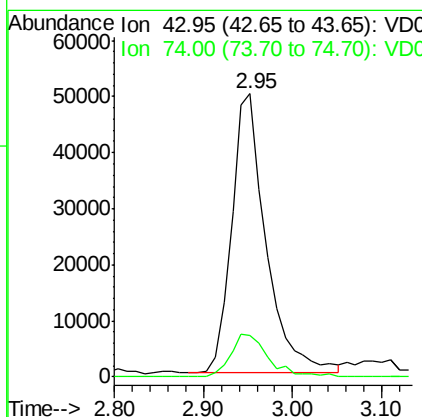
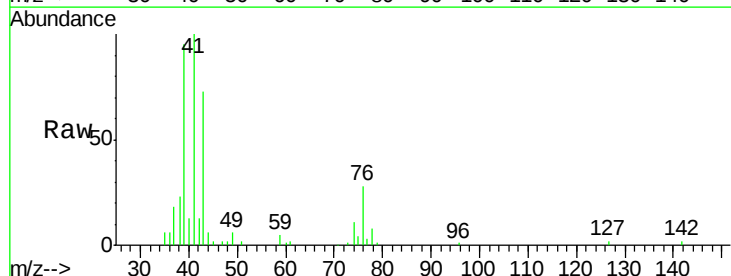
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

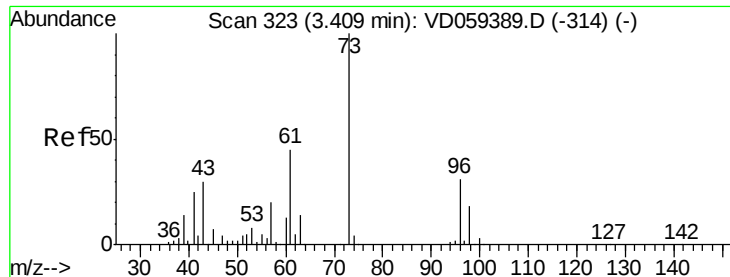
Tot Ion: 76 Resp: 491265
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8



#18
Methyl Acetate
Concen: 57.63 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 133491
Ion Ratio Lower Upper
43 100
74 14.4 11.0 16.4



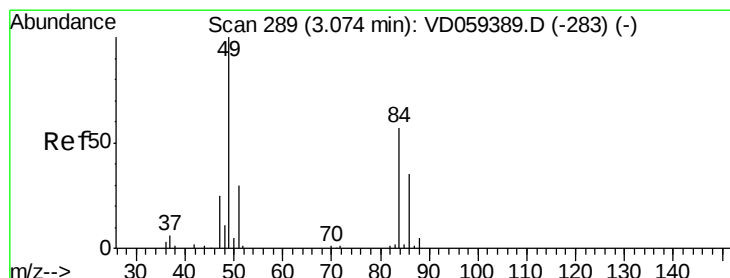
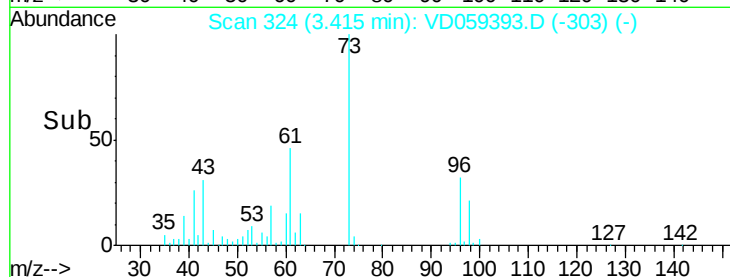
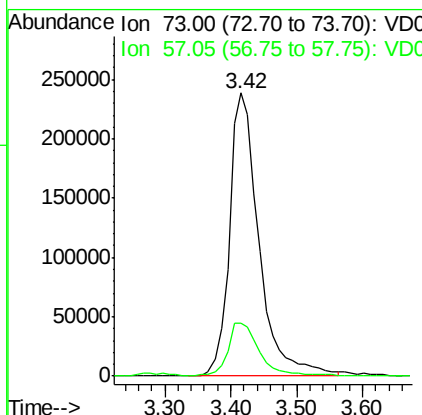
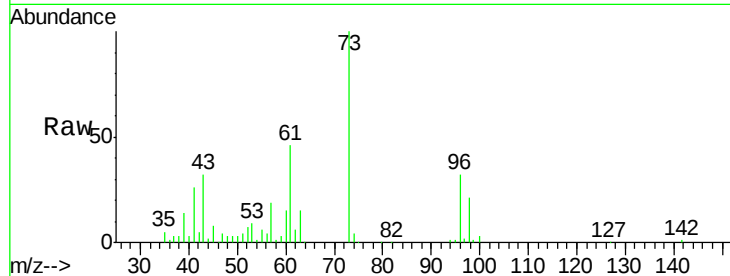


#19

Methyl tert-butyl Ether
 Concen: 55.18 ug/l
 RT: 3.42 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD062518

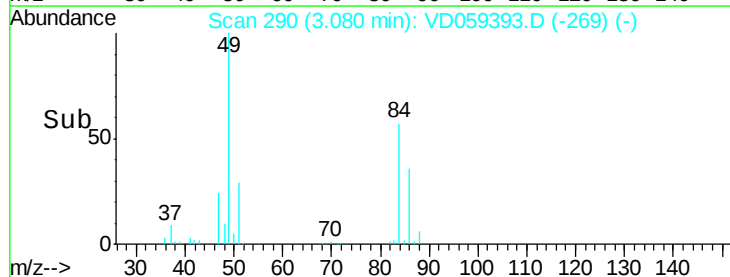
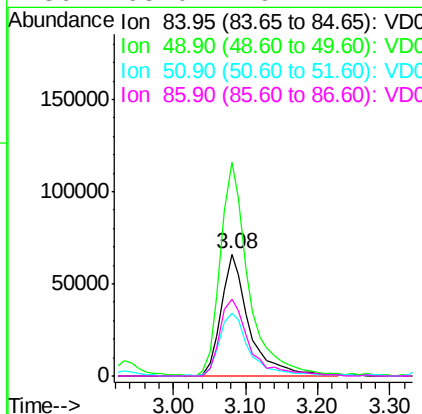
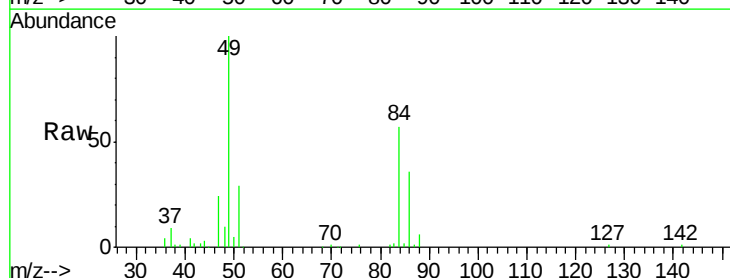
Tot Ion: 73 Resp: 748967
 Ion Ratio Lower Upper
 73 100
 57 18.7 16.1 24.1

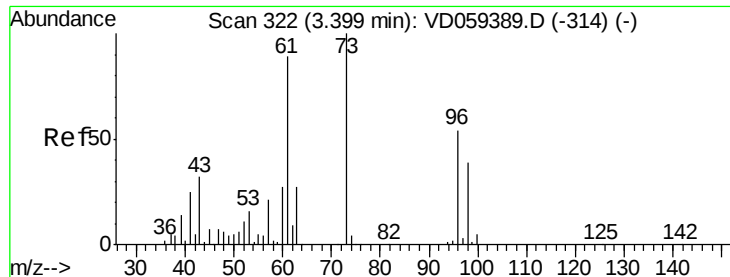


#20

Methylene Chloride
 Concen: 59.32 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 84 Resp: 176305
 Ion Ratio Lower Upper
 84 100
 49 175.4 140.3 210.5
 51 51.4 41.6 62.4
 86 63.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.11 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

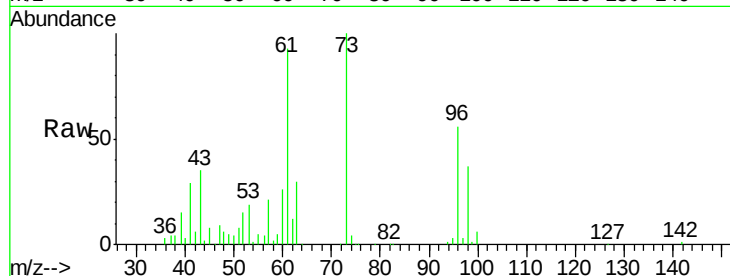
Tot Ion: 96 Resp: 273571

Ion Ratio Lower Upper

96 100

61 164.6 131.0 196.4

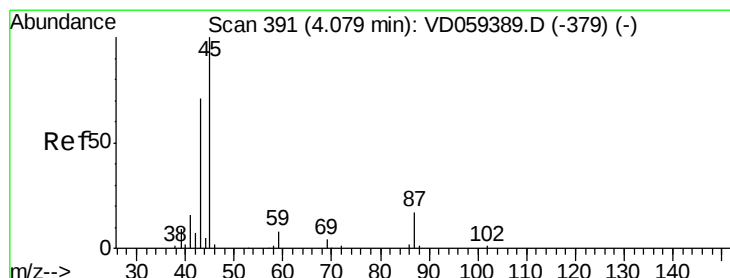
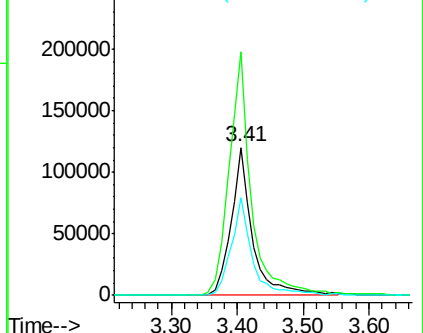
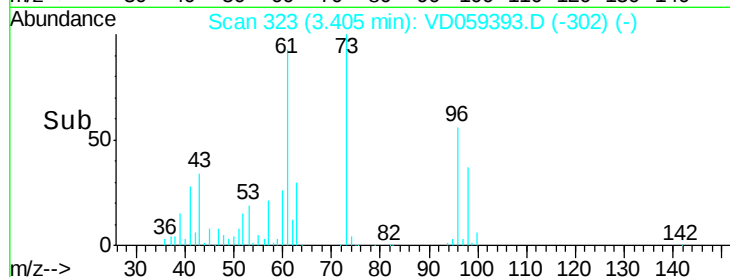
98 65.9 56.8 85.2



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: 59.40 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Tgt Ion: 45 Resp: 1410724

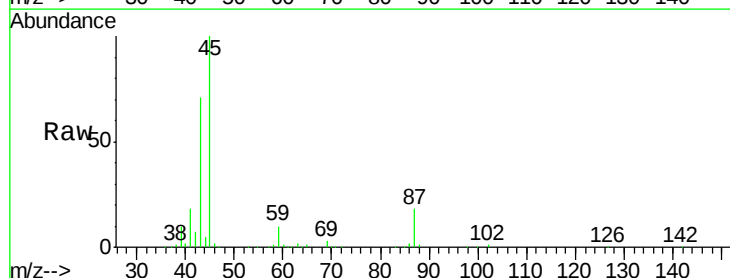
Ion Ratio Lower Upper

45 100

43 70.7 56.9 85.3

87 18.3 14.2 21.4

59 10.0 7.0 10.4

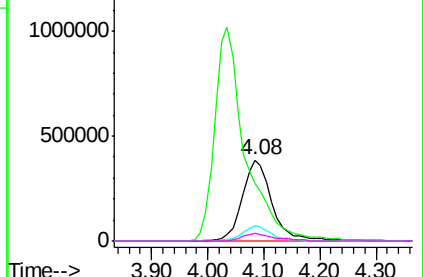
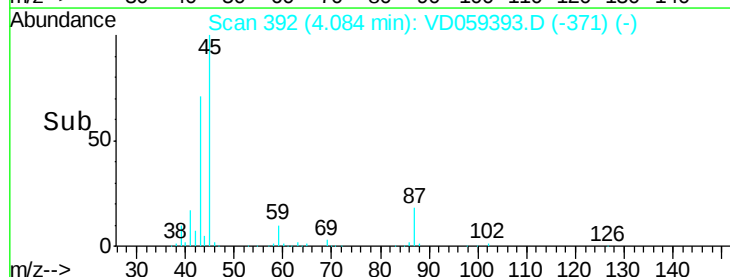


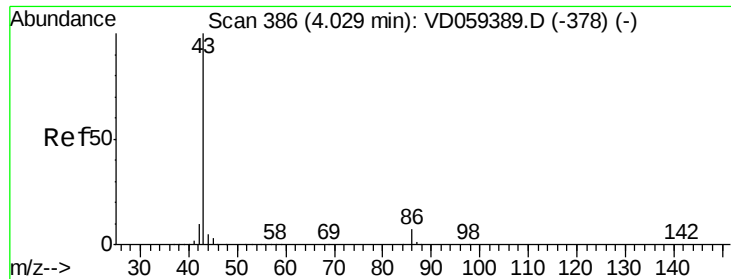
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 310.69 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

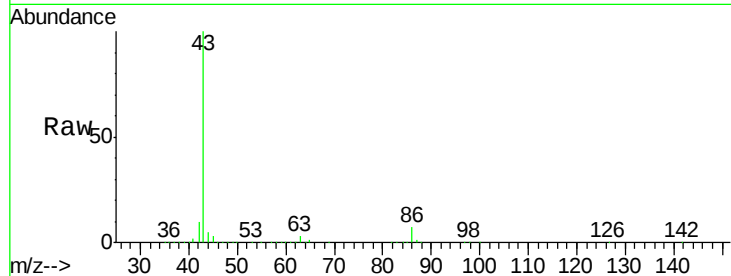
ICVVD062518

Tot Ion: 43 Resp: 3844464

Ion Ratio Lower Upper

43 100

86 6.6 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

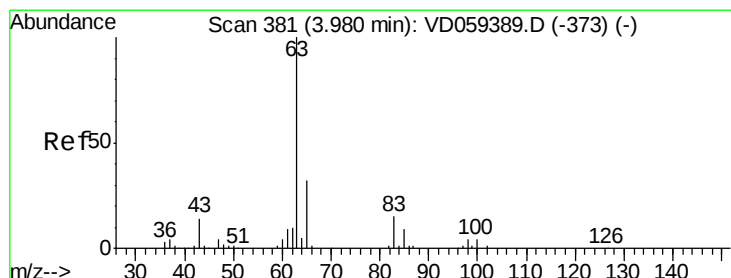
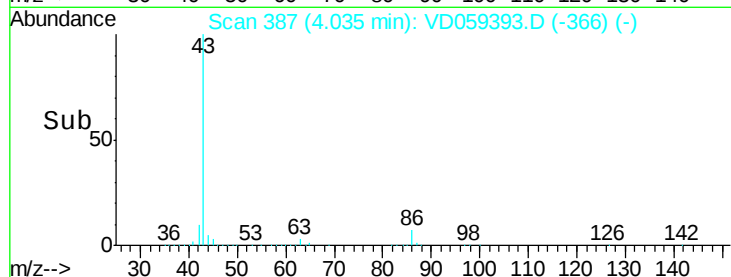
400000

200000

0

Time--> 3.80 3.90 4.00 4.10 4.20

4.04



#24

1,1-Dichloroethane

Concen: 58.09 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

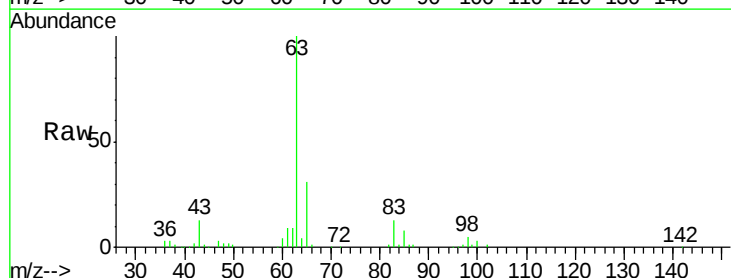
Tgt Ion: 63 Resp: 789472

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.5

100 2.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

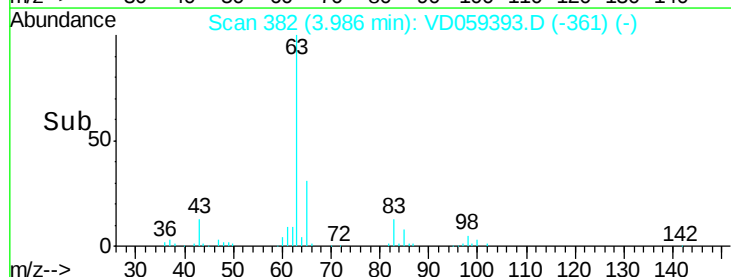
200000

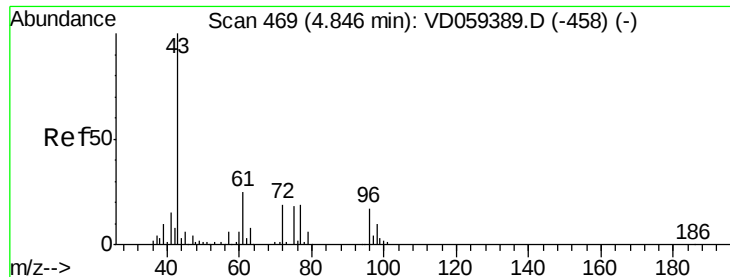
100000

0

Time--> 3.80 3.90 4.00 4.10 4.20

3.99





#25

2-Butanone

Concen: 276.92 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

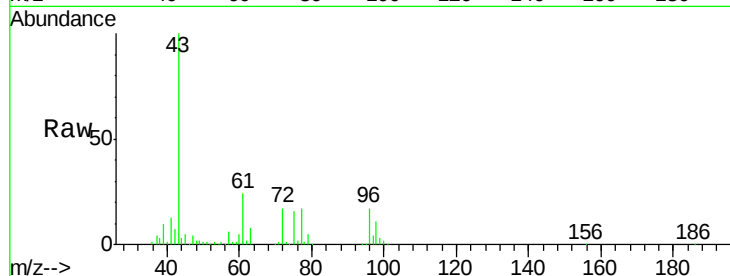
ICVVD062518

Tot Ion: 43 Resp: 626617

Ion Ratio Lower Upper

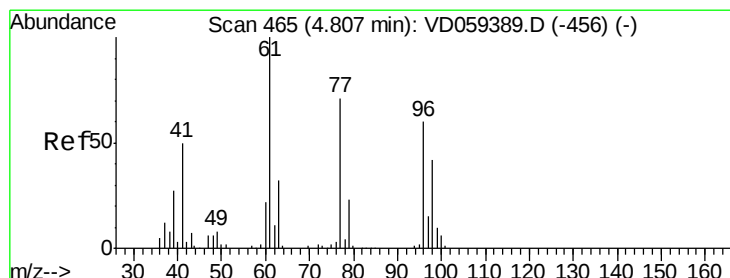
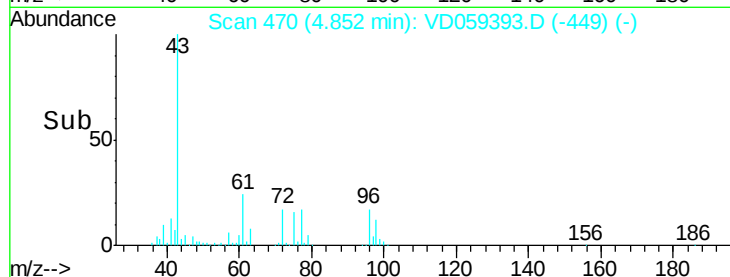
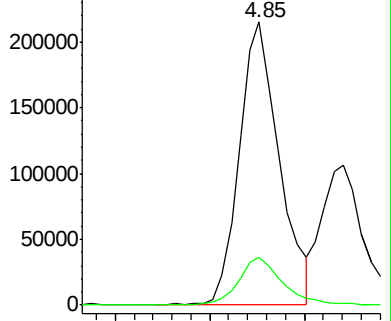
43 100

72 17.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.70 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059393.D

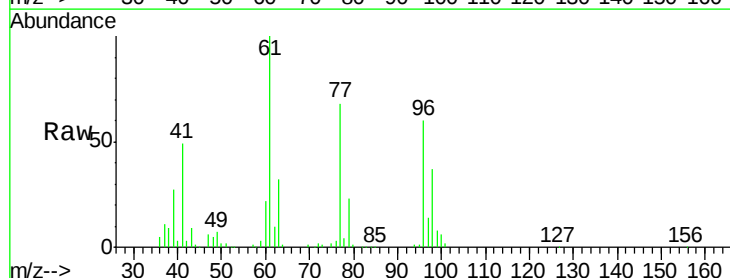
Acq: 25 Jun 2018 3:40

Tgt Ion: 77 Resp: 587009

Ion Ratio Lower Upper

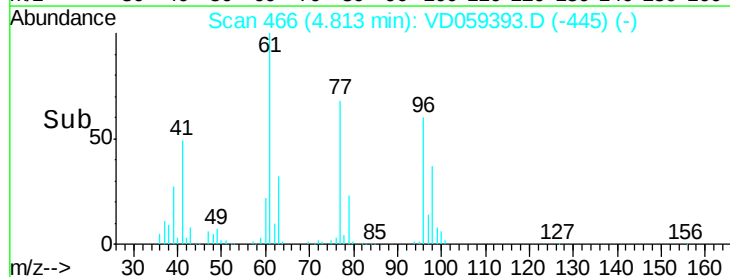
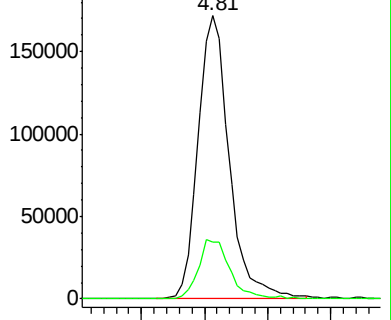
77 100

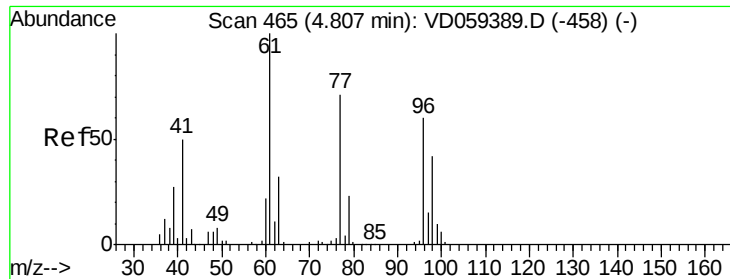
97 20.1 10.7 32.1



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: 55.23 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

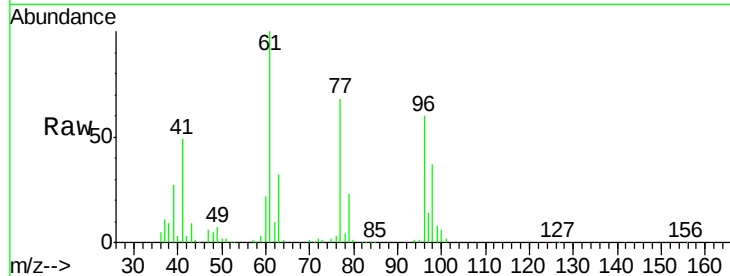
Tot Ion: 96 Resp: 452523

Ion Ratio Lower Upper

96 100

61 167.8 0.0 335.8

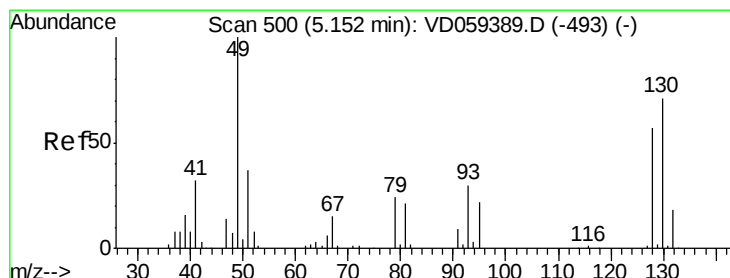
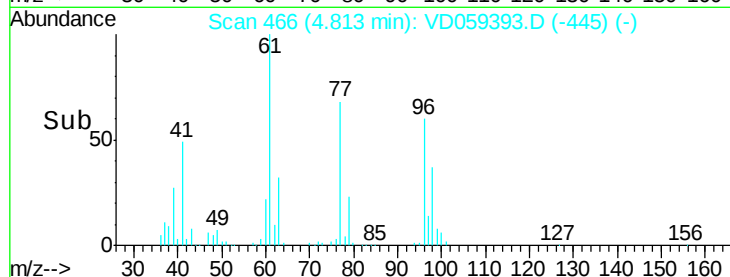
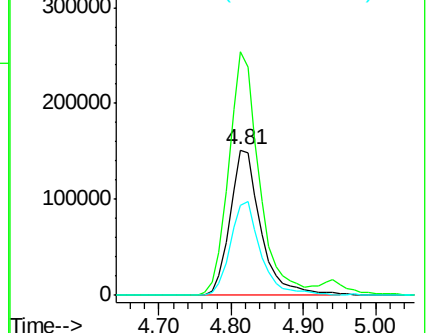
98 62.2 0.0 141.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 56.40 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

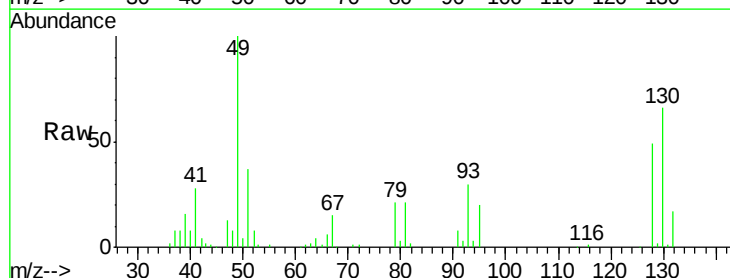
Tgt Ion: 49 Resp: 332315

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

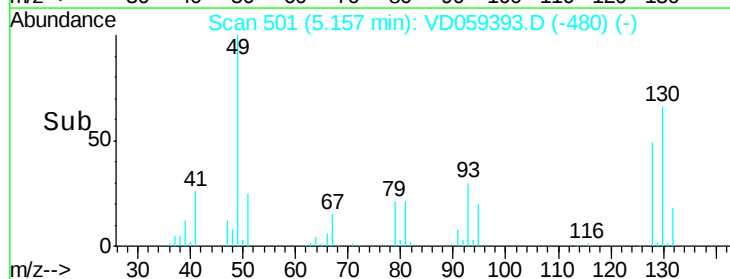
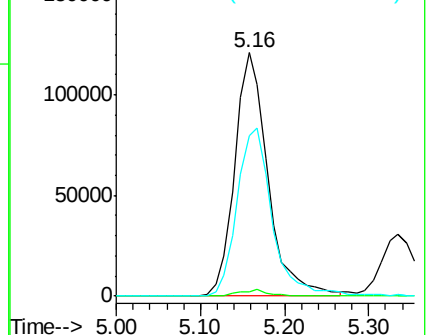
130 66.1 57.0 85.6

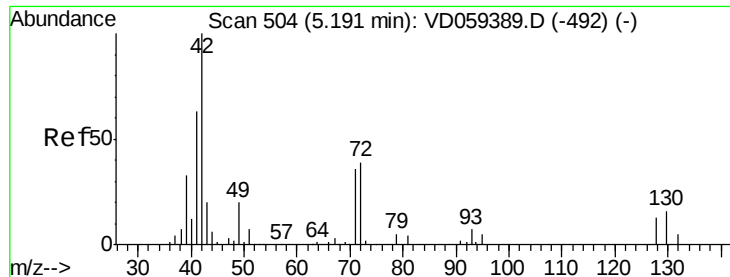


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 277.54 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

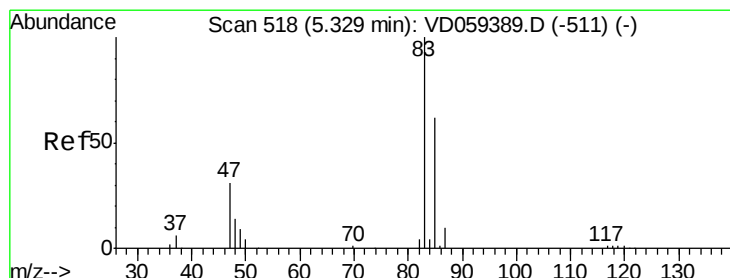
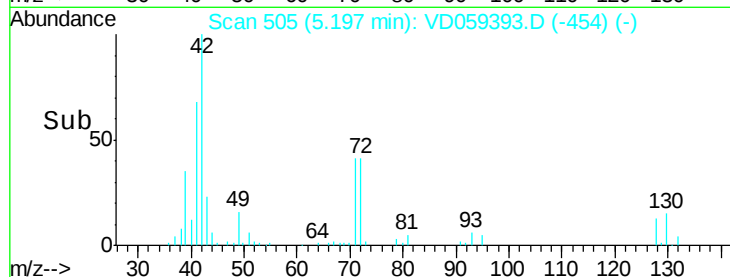
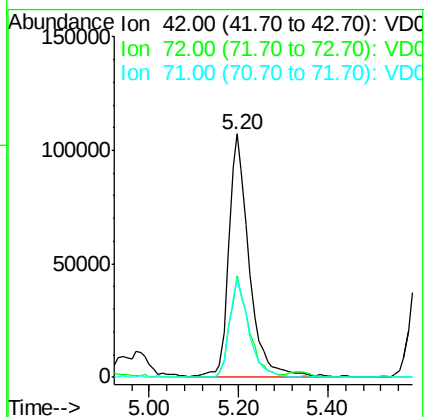
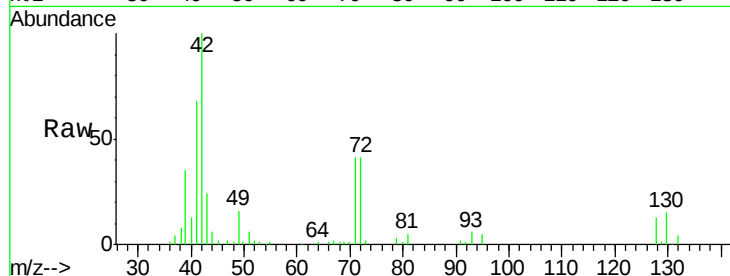
Tot Ion: 42 Resp: 343512

Ion Ratio Lower Upper

42 100

72 39.0 31.4 47.2

71 37.7 29.7 44.5



#30

Chloroform

Concen: 57.08 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD059393.D

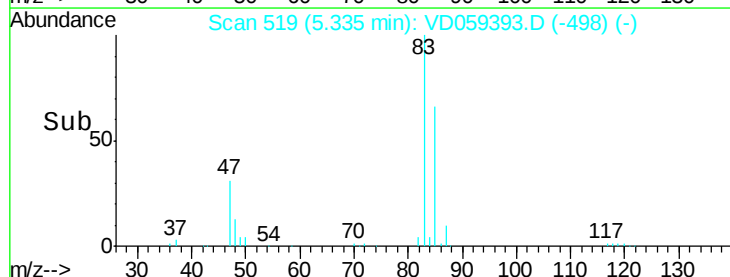
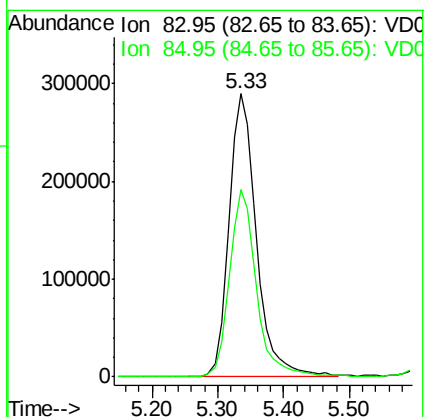
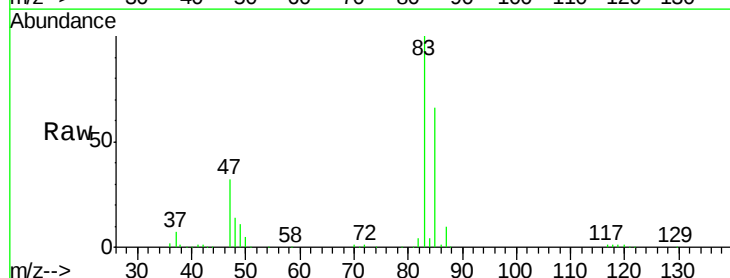
Acq: 25 Jun 2018 3:40

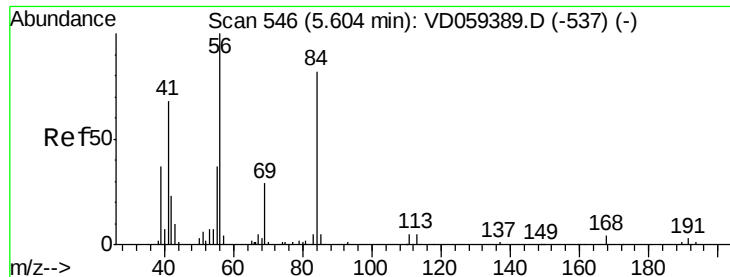
Tgt Ion: 83 Resp: 845428

Ion Ratio Lower Upper

83 100

85 66.0 49.3 73.9

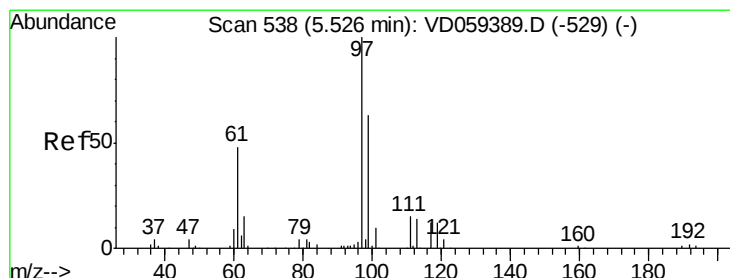
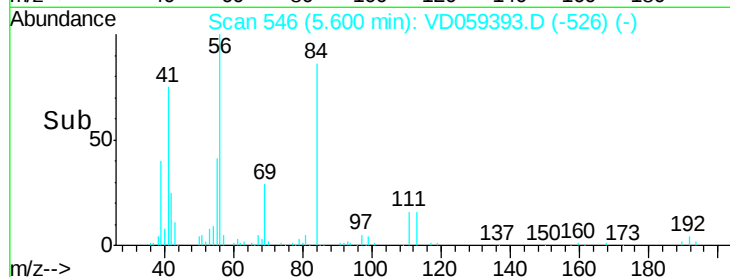
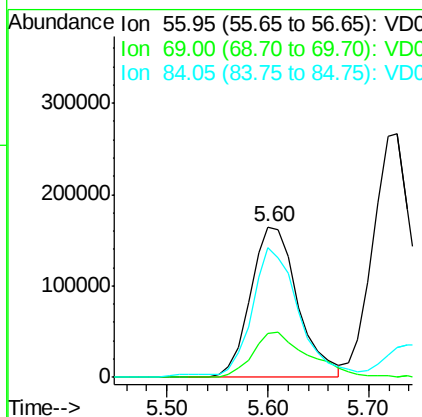
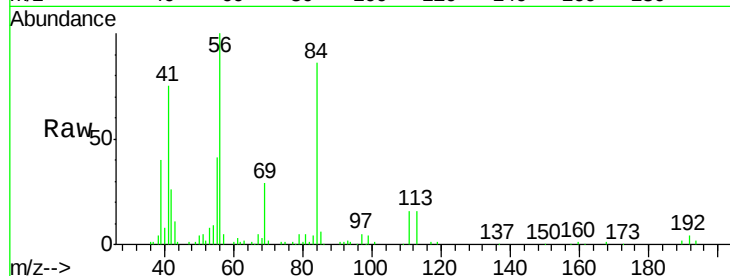




#31
Cyclohexane
Concen: 60.43 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

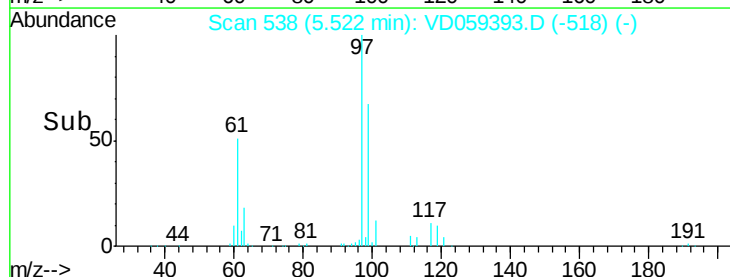
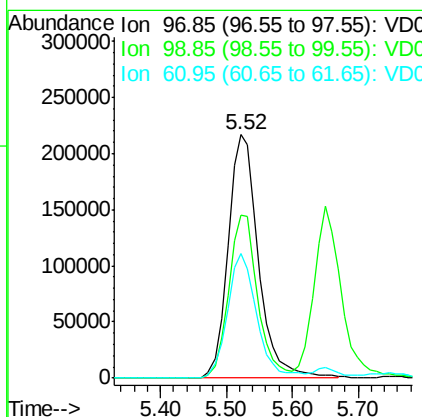
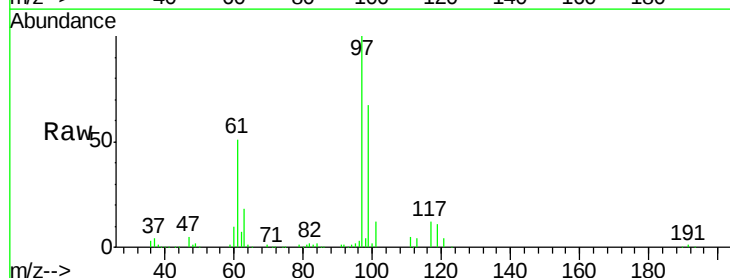
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

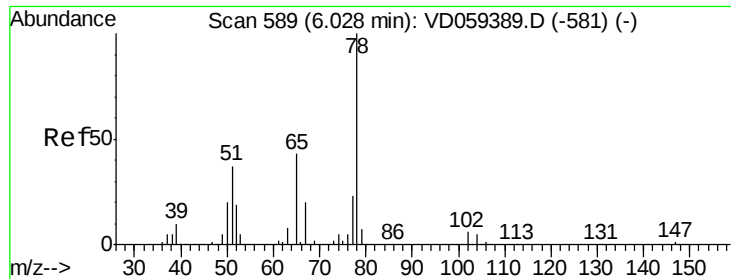
Tot Ion: 56 Resp: 534605
Ion Ratio Lower Upper
56 100
69 29.0 22.9 34.3
84 86.4 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 58.23 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 97 Resp: 698495
Ion Ratio Lower Upper
97 100
99 66.7 50.2 75.4
61 51.0 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 58.23 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

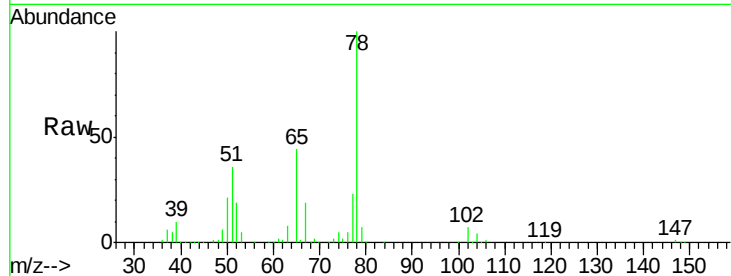
ICVVD062518

Tot Ion: 65 Resp: 479645

Ion Ratio Lower Upper

65 100

67 43.0 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

200000

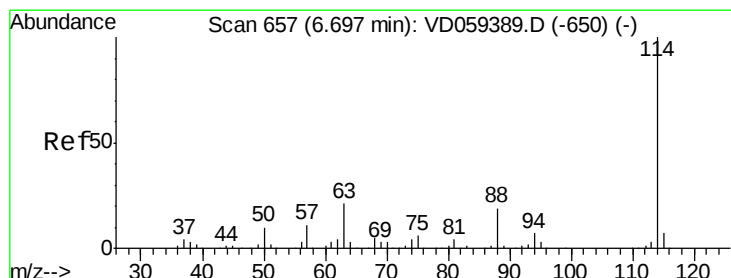
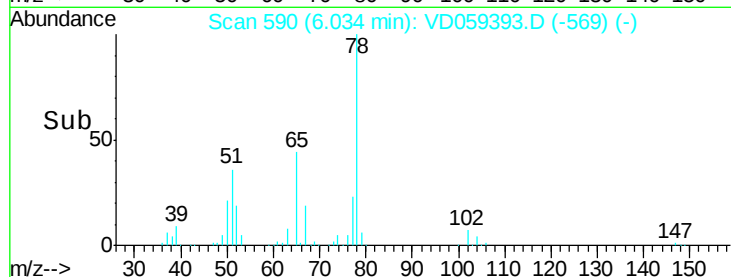
150000

100000

50000

0

Time--> 5.90



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

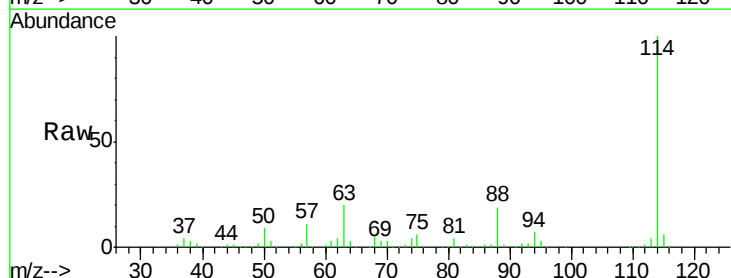
Tgt Ion: 114 Resp: 1105486

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 19.2 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

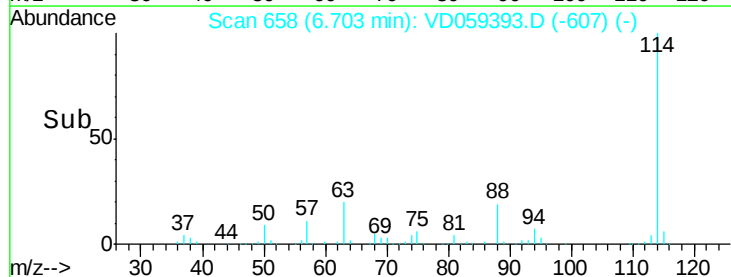
300000

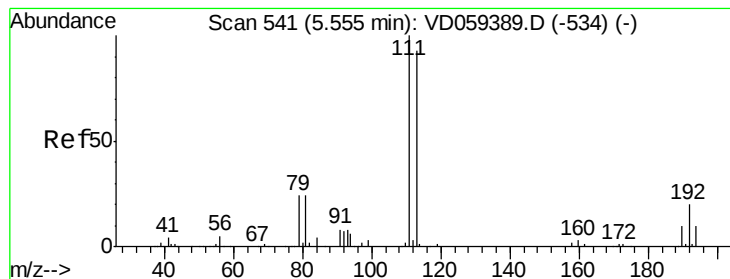
200000

100000

0

Time--> 6.60





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

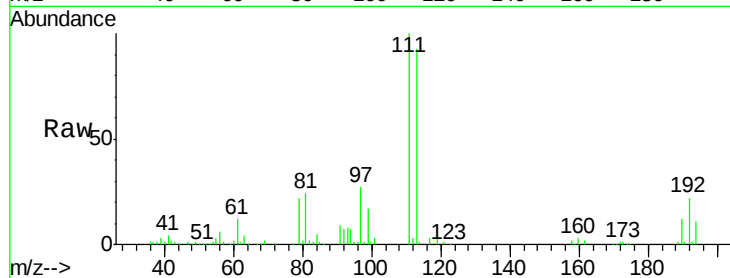
Tot Ion:113 Resp: 488756

Ion Ratio Lower Upper

113 100

111 107.0 85.7 128.5

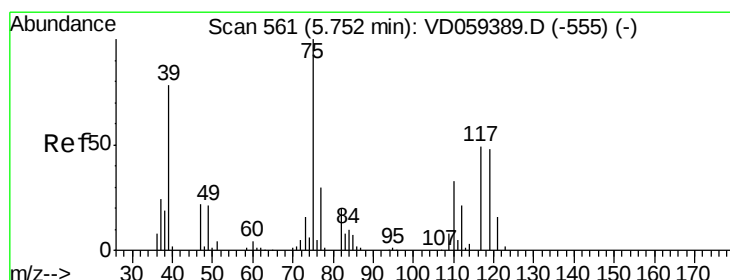
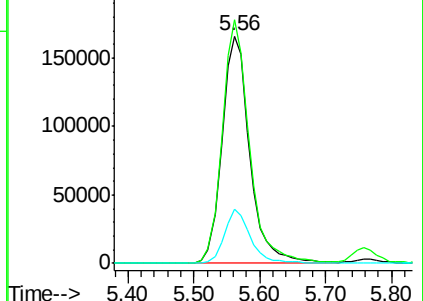
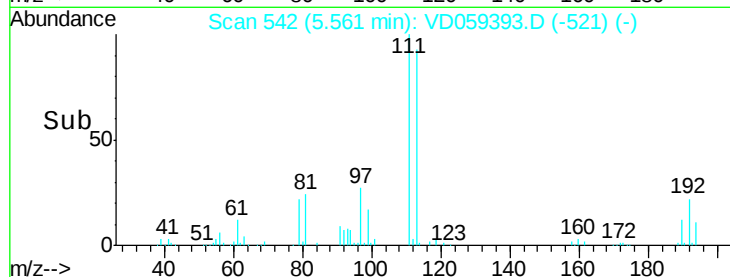
192 23.6 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.22 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

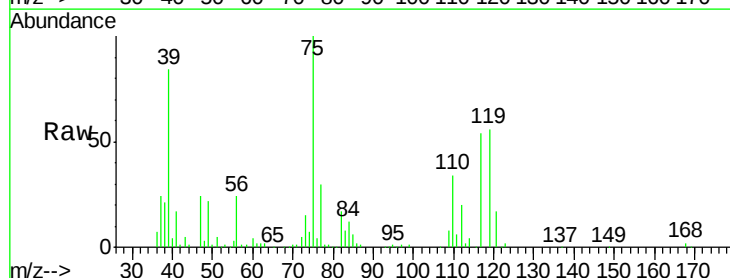
Tgt Ion: 75 Resp: 543713

Ion Ratio Lower Upper

75 100

110 34.1 16.1 48.2

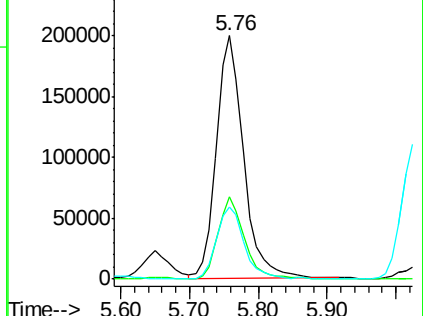
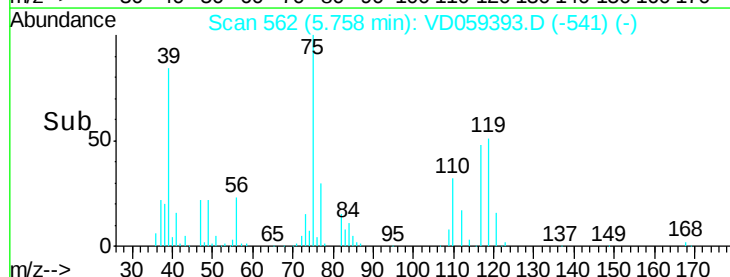
77 29.8 23.4 35.2

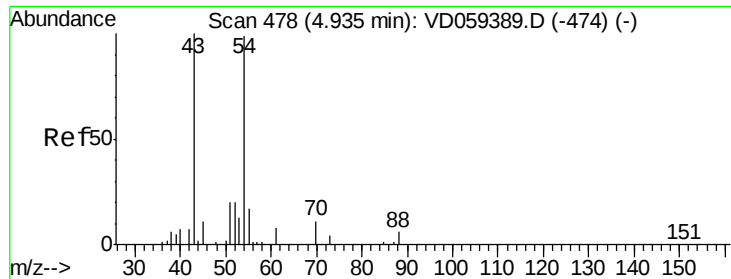


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

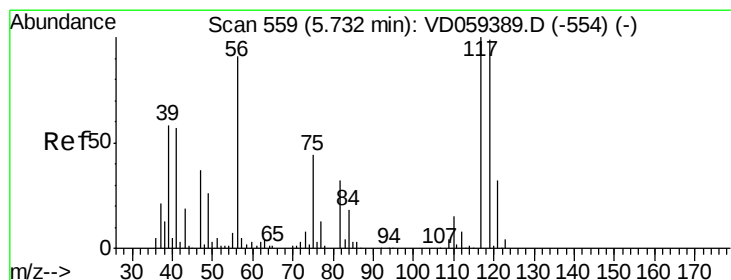
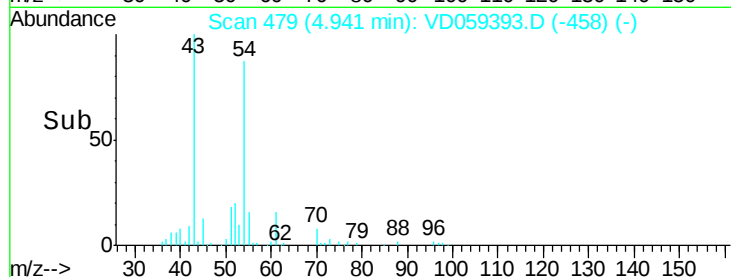
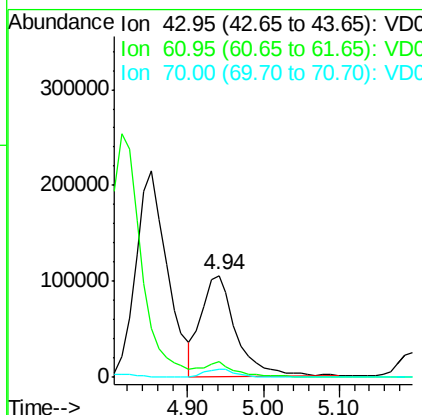
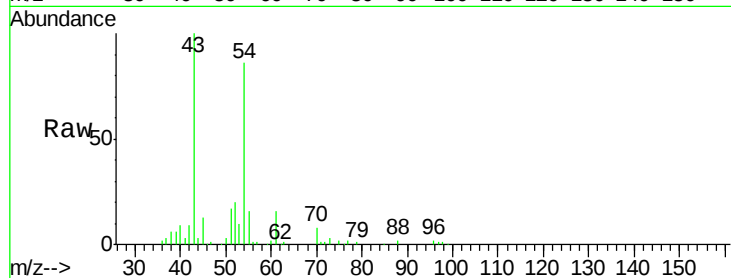




#37
Ethyl Acetate
Concen: 55.46 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

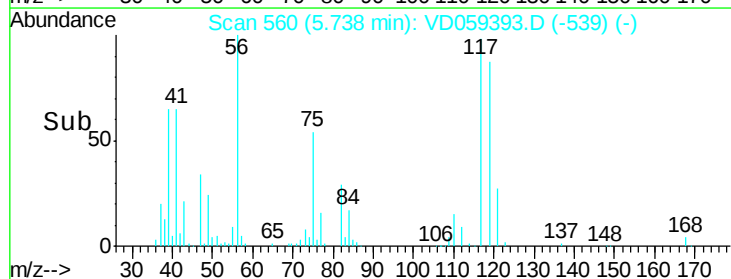
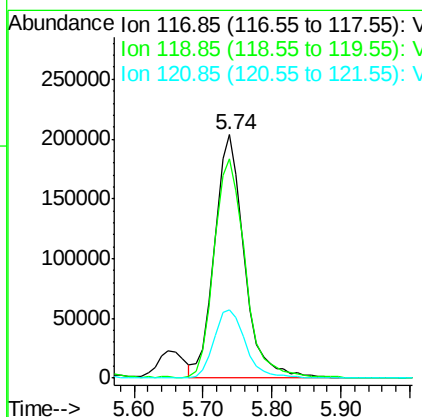
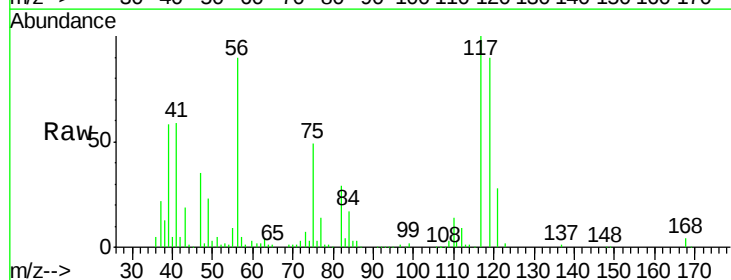
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

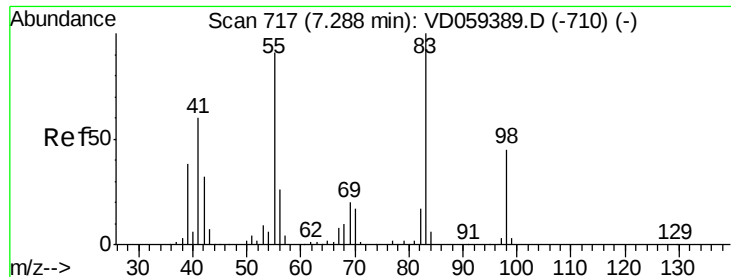
Tot Ion: 43 Resp: 338695
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.8
70 8.1 6.1 9.1



#38
Carbon Tetrachloride
Concen: 58.01 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 117 Resp: 599762
Ion Ratio Lower Upper
117 100
119 90.1 76.6 115.0
121 28.0 25.0 37.4

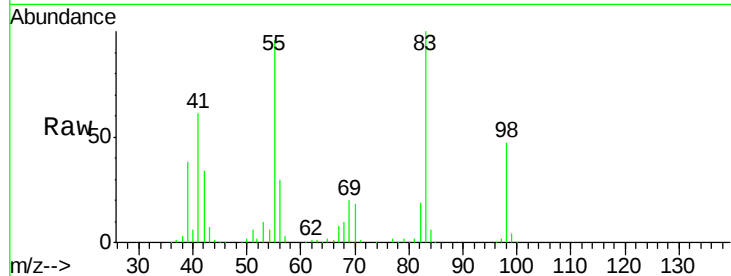




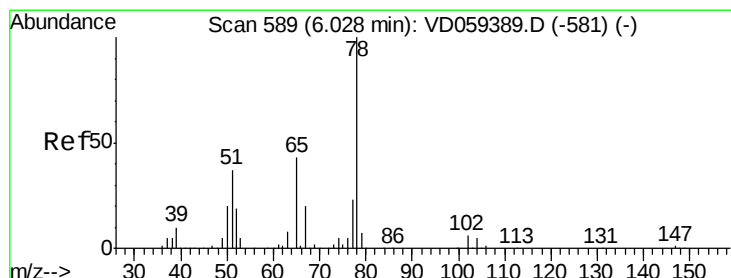
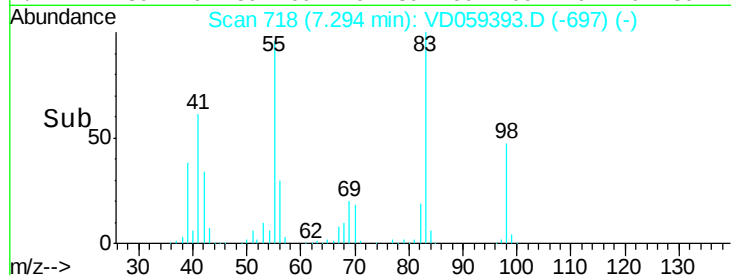
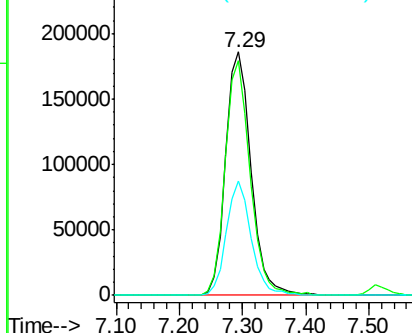
#39
Methylcyclohexane
Concen: 54.73 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

Tot Ion: 83 Resp: 520507
Ion Ratio Lower Upper
83 100
55 96.5 72.6 109.0
98 47.1 35.8 53.6

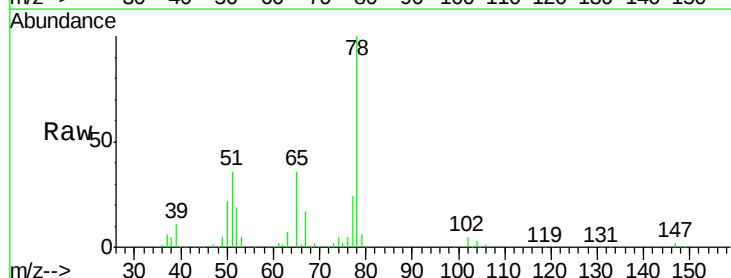


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

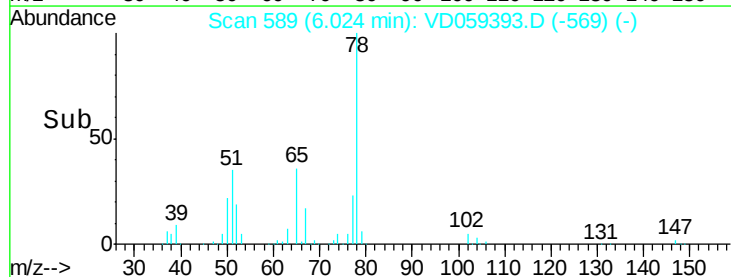
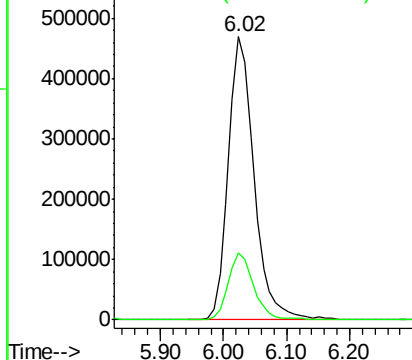


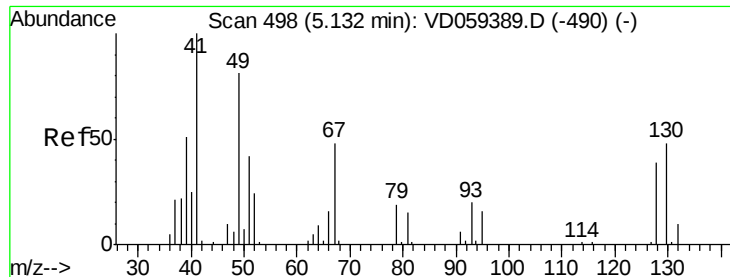
#40
Benzene
Concen: 55.22 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 78 Resp: 1328956
Ion Ratio Lower Upper
78 100
77 23.6 18.1 27.1



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

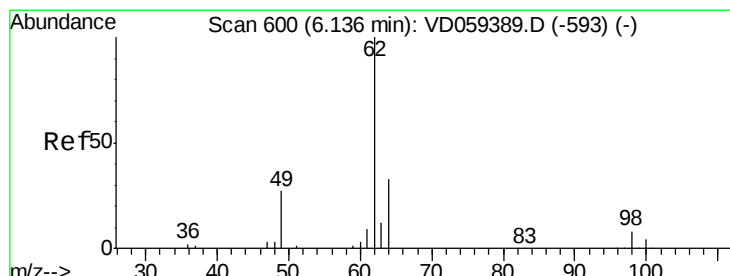
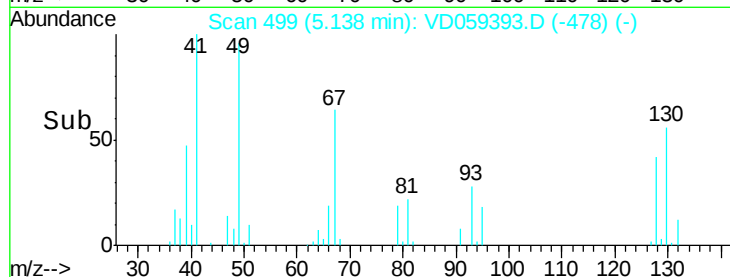
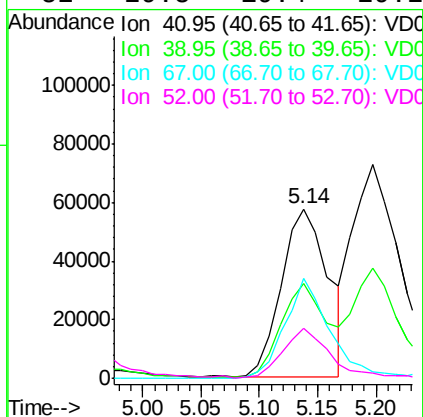
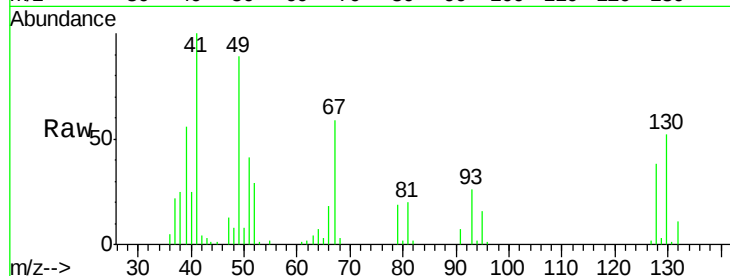




#41
Methacrylonitrile
Concen: 54.41 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

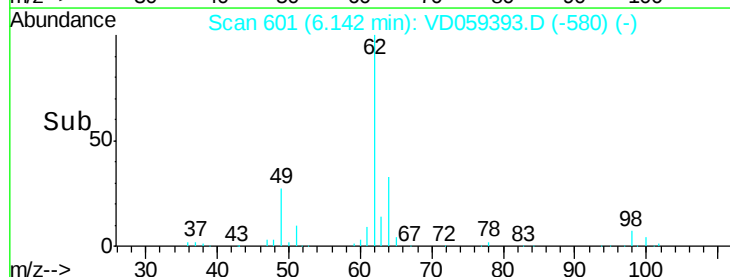
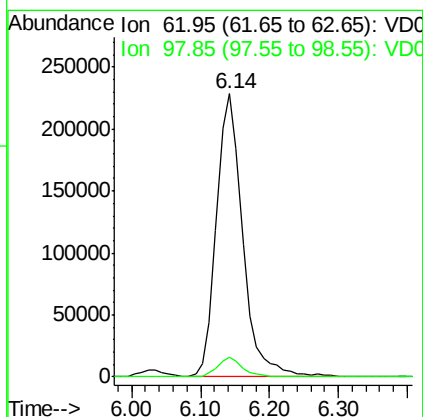
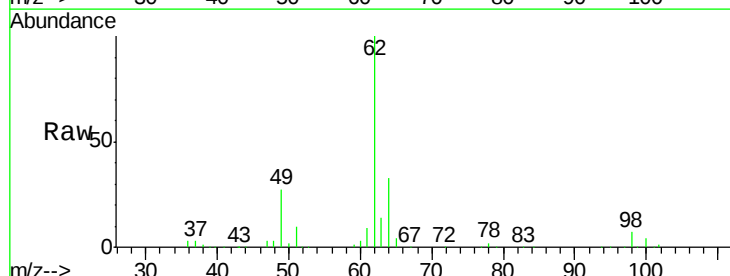
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

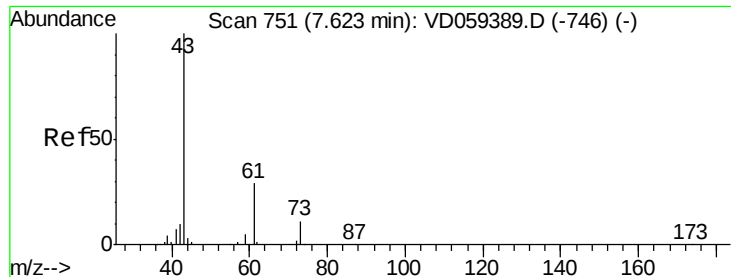
Tot Ion: 41 Resp: 160040
Ion Ratio Lower Upper
41 100
39 55.9 41.5 62.3
67 59.2 38.7 58.1#
52 29.5 19.4 29.2#



#42
1,2-Dichloroethane
Concen: 56.48 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 62 Resp: 600616
Ion Ratio Lower Upper
62 100
98 7.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 58.56 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

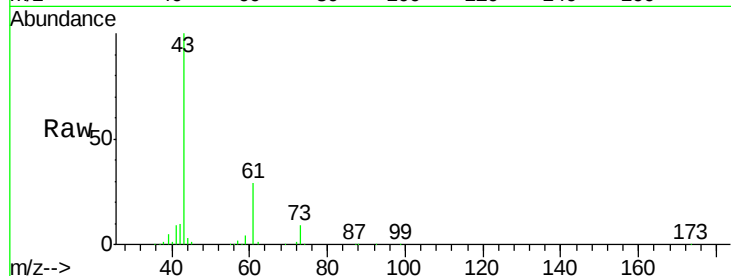
Tot Ion: 43 Resp: 449159

Ion Ratio Lower Upper

43 100

61 29.3 23.1 34.7

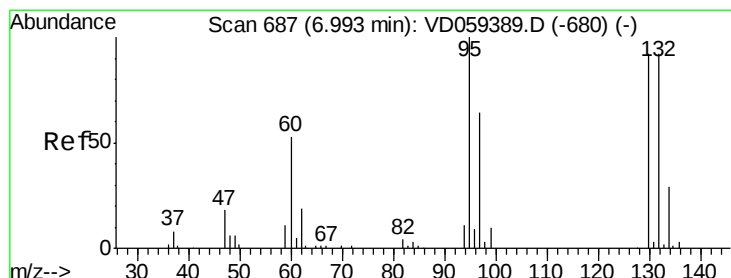
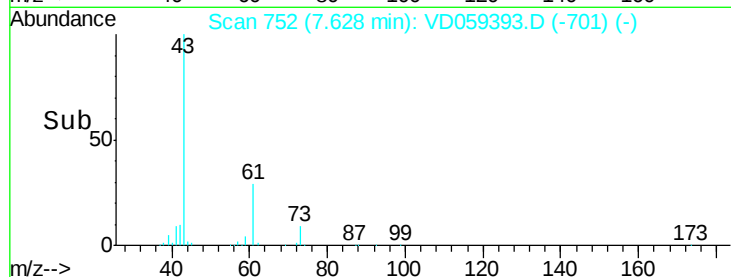
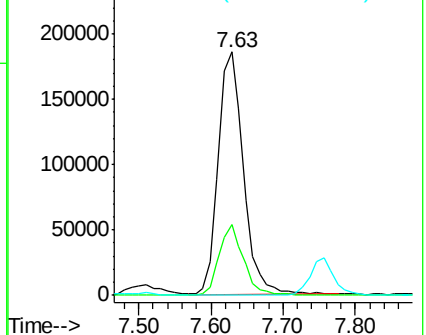
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.80 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD059393.D

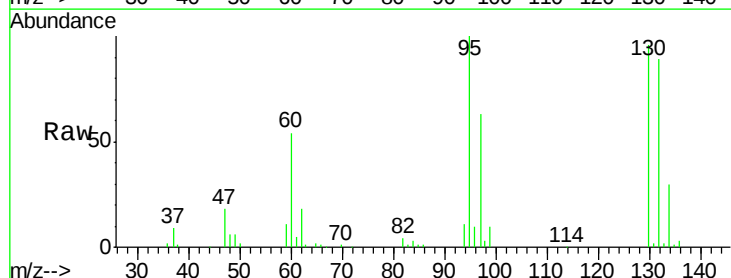
Acq: 25 Jun 2018 3:40

Tgt Ion:130 Resp: 431834

Ion Ratio Lower Upper

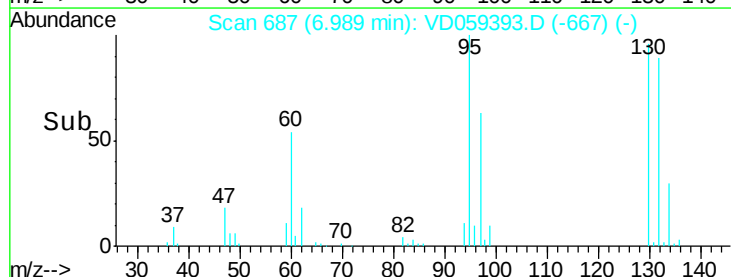
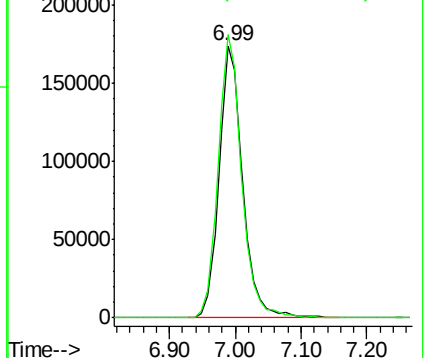
130 100

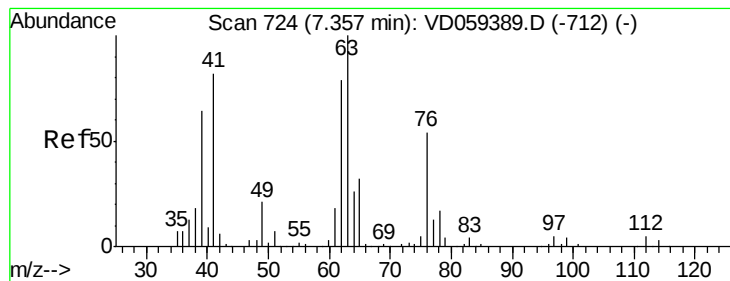
95 103.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.65 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

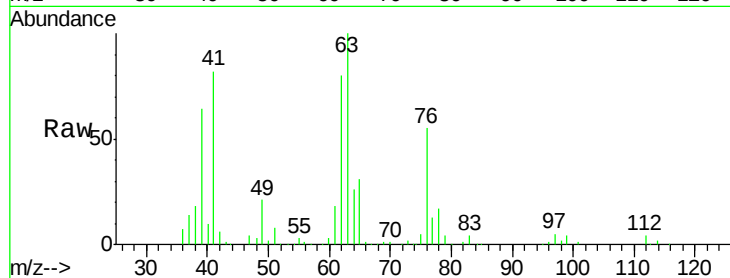
ICVVD062518

Tot Ion: 63 Resp: 364255

Ion Ratio Lower Upper

63 100

65 30.6 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

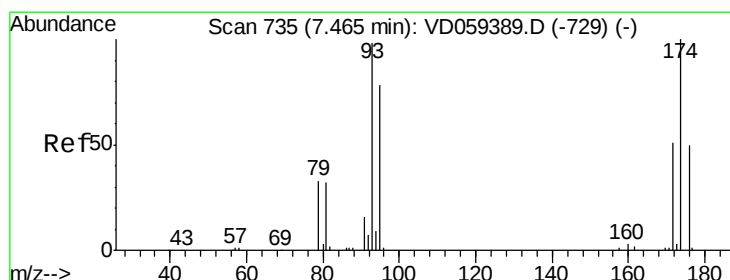
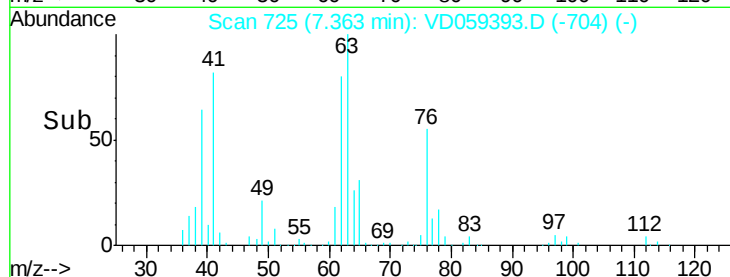
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 55.76 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

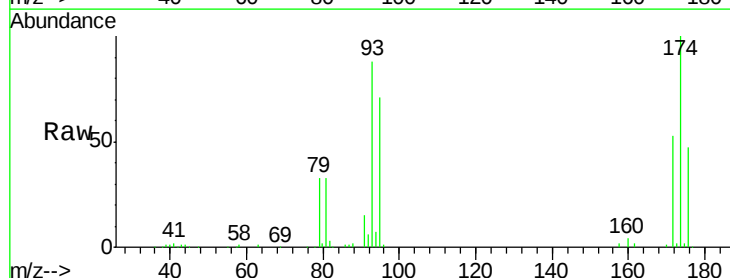
Tgt Ion: 93 Resp: 267267

Ion Ratio Lower Upper

93 100

95 81.0 63.4 95.0

174 113.3 81.4 122.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.47

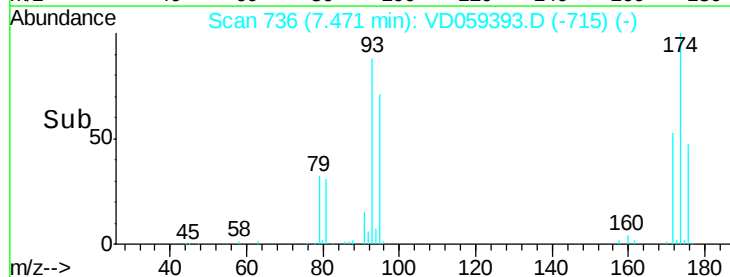
150000

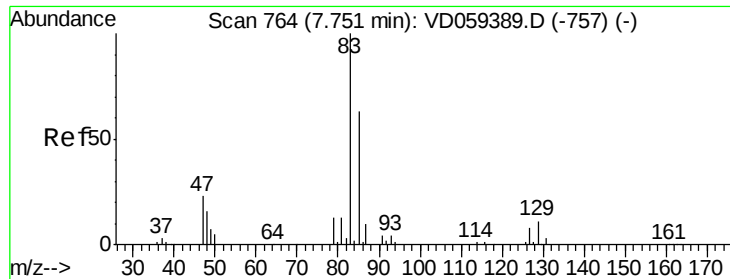
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 58.33 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

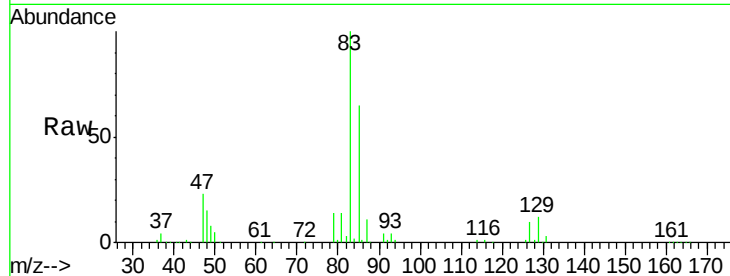
Tot Ion: 83 Resp: 625641

Ion Ratio Lower Upper

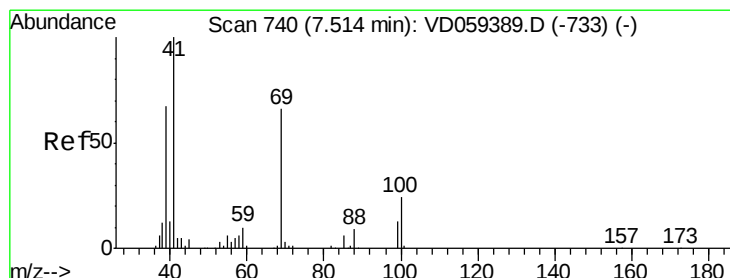
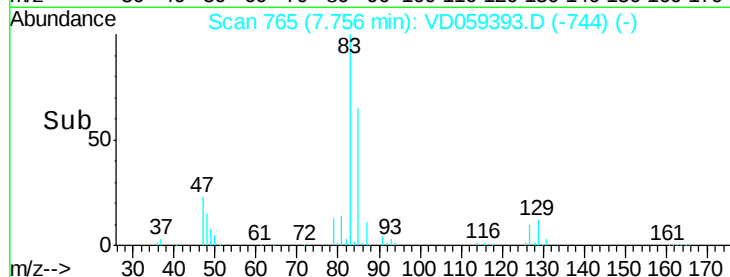
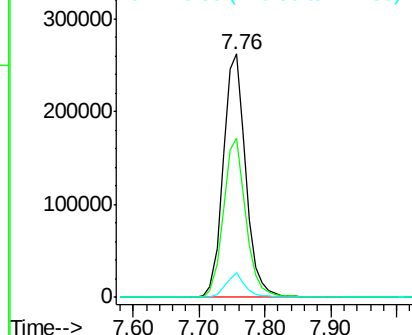
83 100

85 65.4 50.1 75.1

127 10.0 6.1 9.1#



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): V



#48

Methyl methacrylate

Concen: 58.72 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

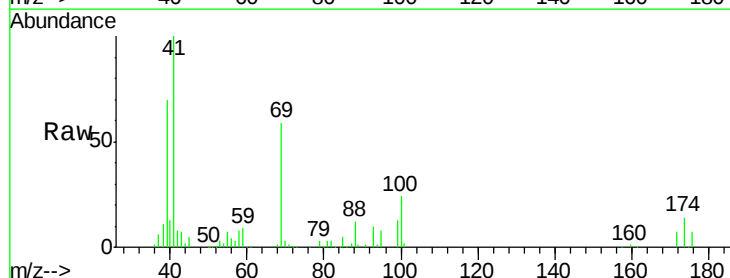
Tgt Ion: 41 Resp: 274357

Ion Ratio Lower Upper

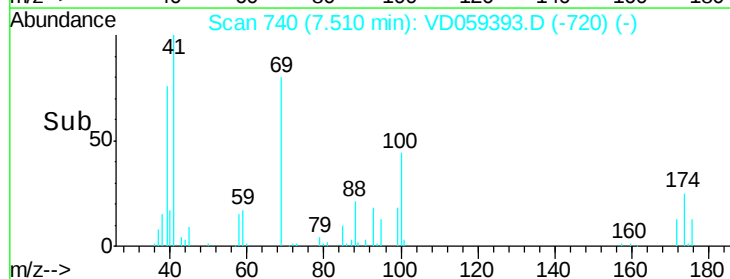
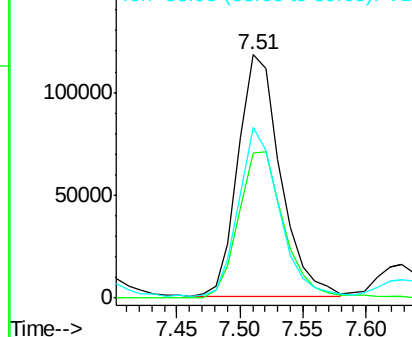
41 100

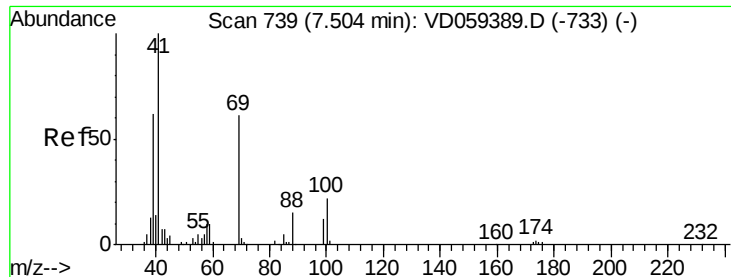
69 59.4 52.6 79.0

39 70.3 53.6 80.4



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: 1127.06 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

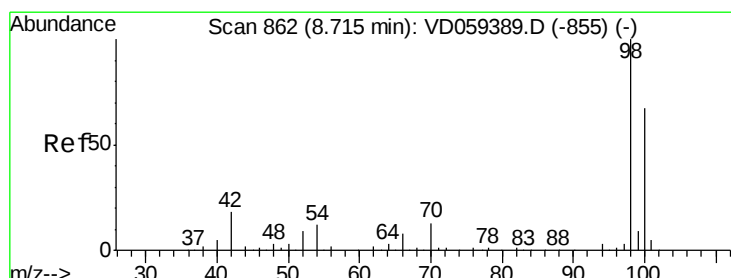
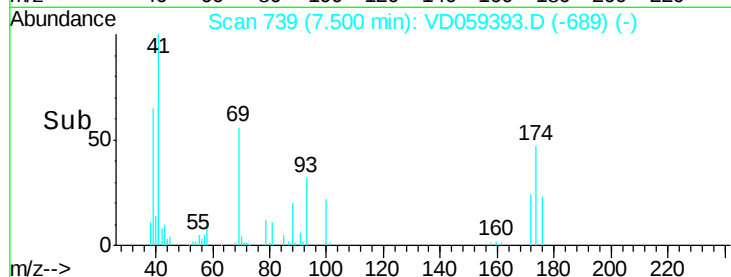
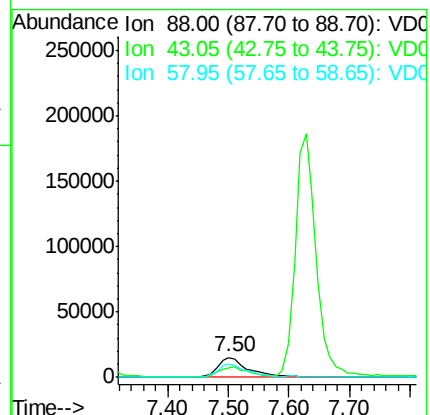
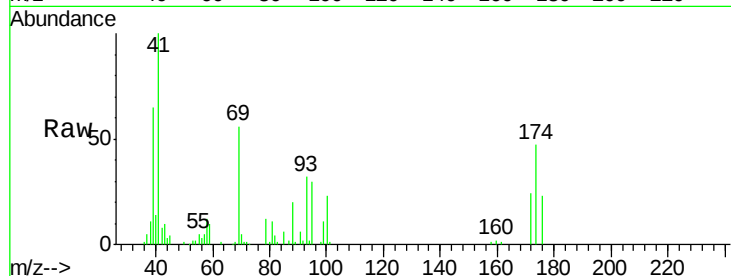
Tot Ion: 88 Resp: 52816

Ion Ratio Lower Upper

88 100

43 49.1 41.0 61.4

58 62.3 53.4 80.0



#50

Toluene-d8

Concen: 1127.06 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD059393.D

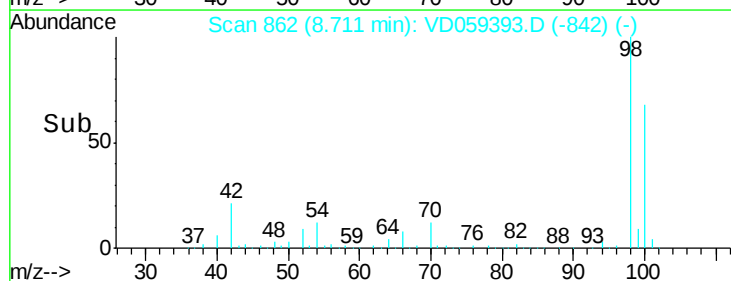
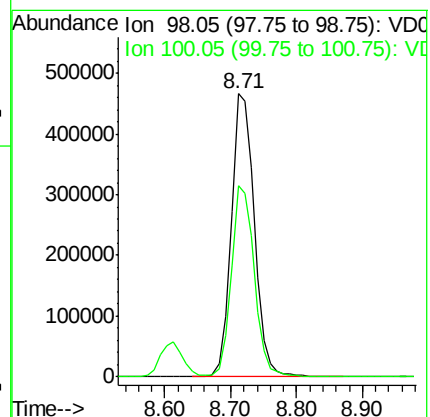
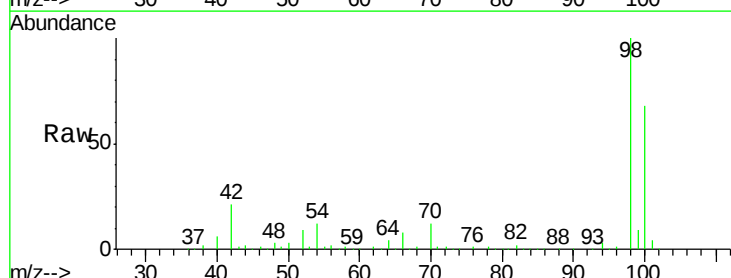
Acq: 25 Jun 2018 3:40

Tgt Ion: 98 Resp: 1144836

Ion Ratio Lower Upper

98 100

100 67.6 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 276.08 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

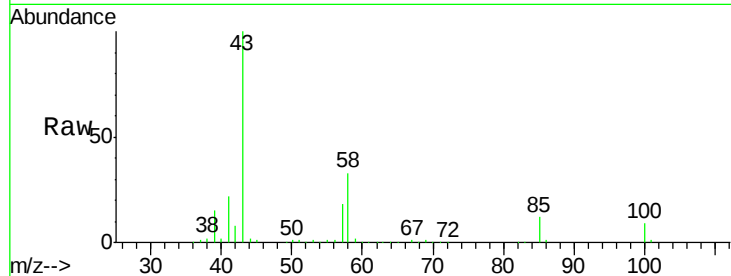
ICVVD062518

Tot Ion: 43 Resp: 1410946

Ion Ratio Lower Upper

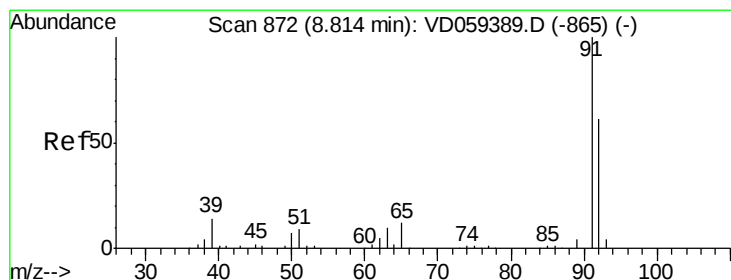
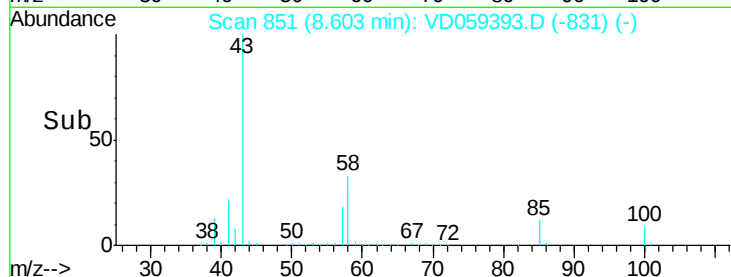
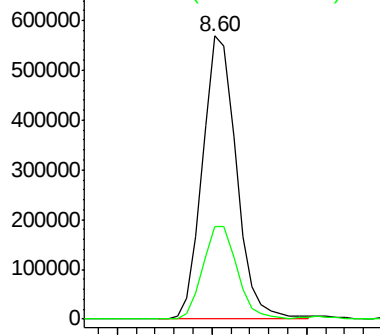
43 100

58 32.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.05 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD059393.D

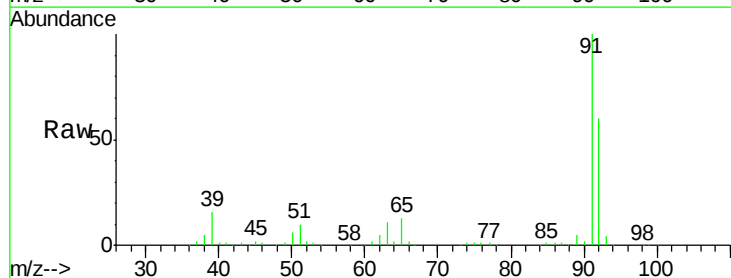
Acq: 25 Jun 2018 3:40

Tgt Ion: 92 Resp: 776902

Ion Ratio Lower Upper

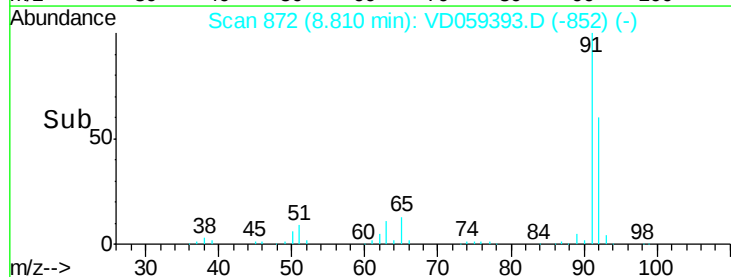
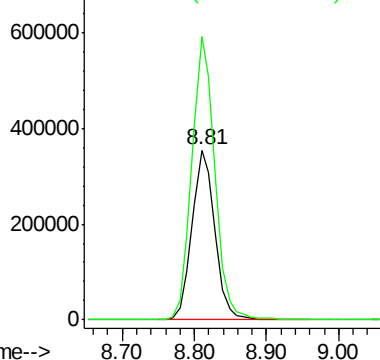
92 100

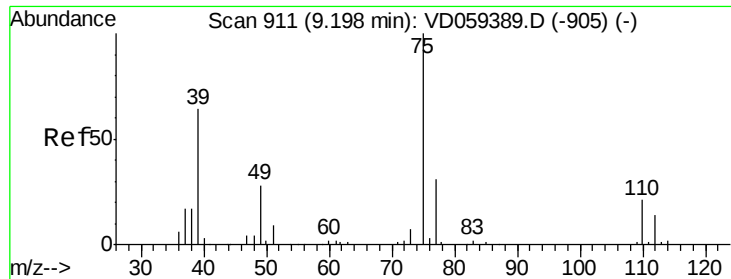
91 166.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

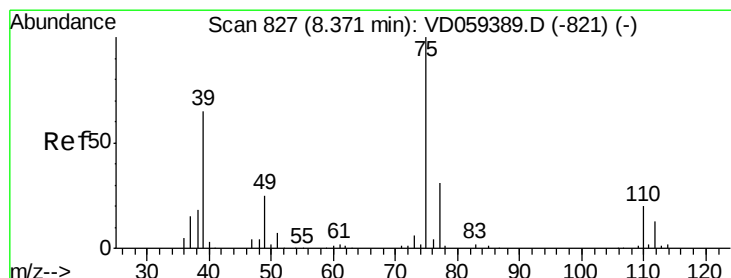
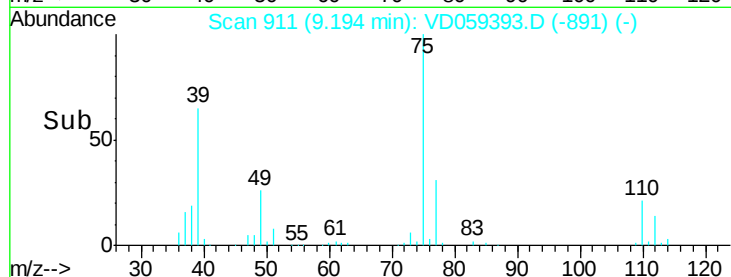
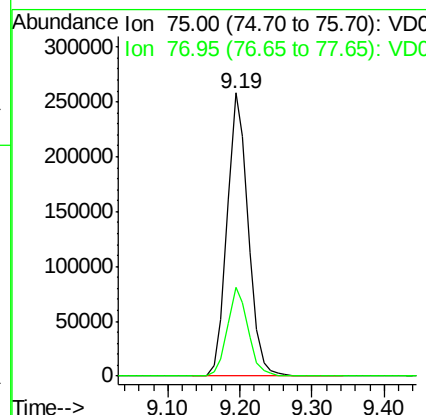
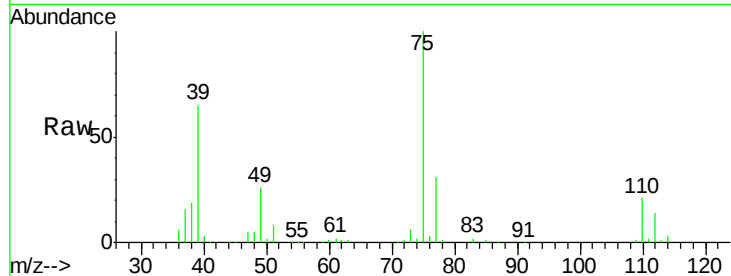




#53
t-1,3-Dichloropropene
Concen: 58.19 ug/l
RT: 9.19 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

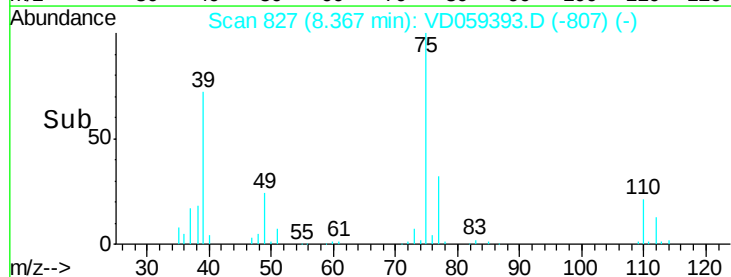
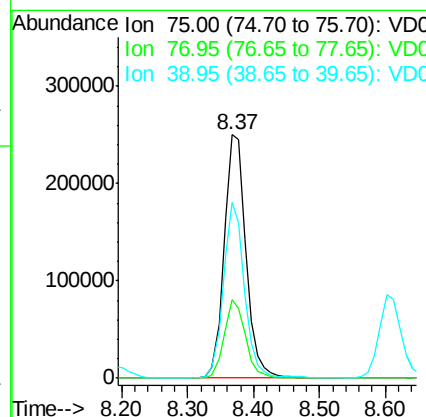
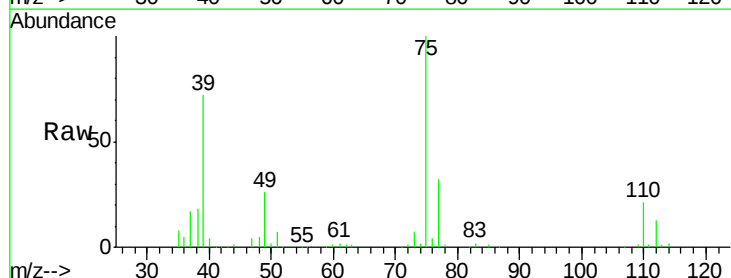
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

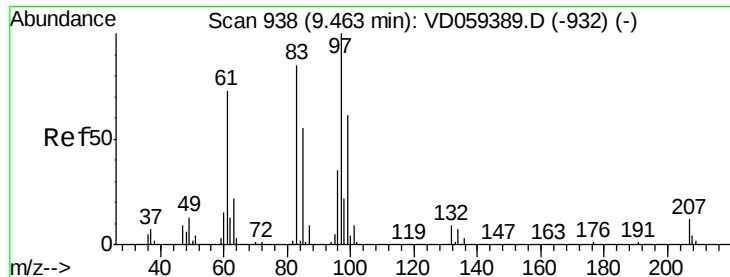
Tot Ion: 75 Resp: 521528
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 55.98 ug/l
RT: 8.37 min Scan# 827
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 75 Resp: 580986
Ion Ratio Lower Upper
75 100
77 32.2 24.7 37.1
39 72.3 52.2 78.4

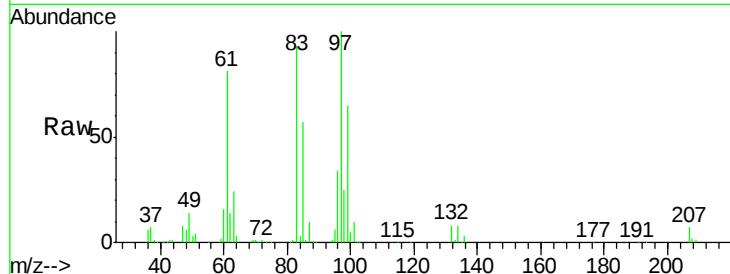




#55
 1,1,2-Trichloroethane
 Concen: 55.81 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.9	67.7	101.5
85	56.8	44.3	66.5
99	65.0	48.6	73.0

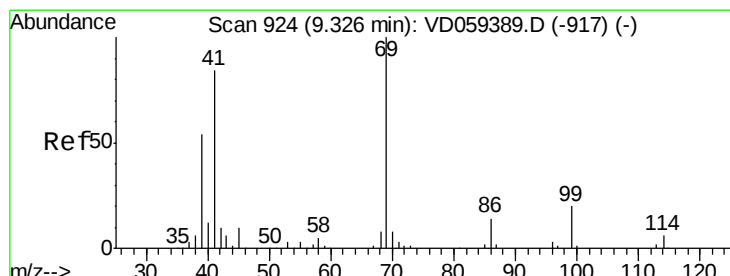
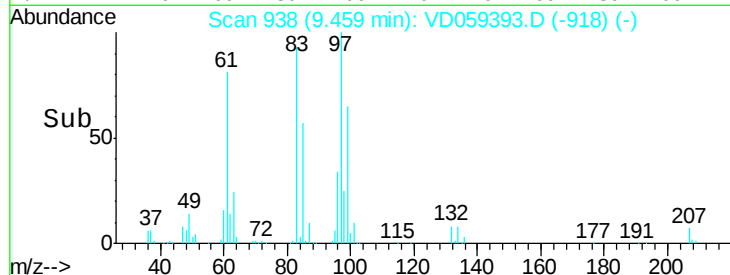
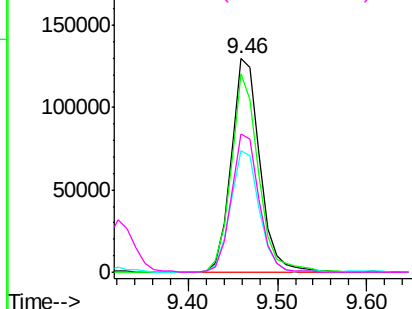


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

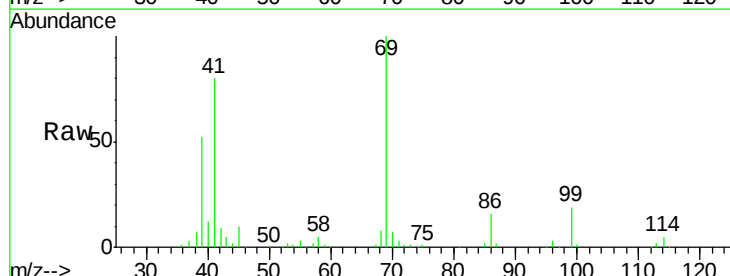
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 57.62 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

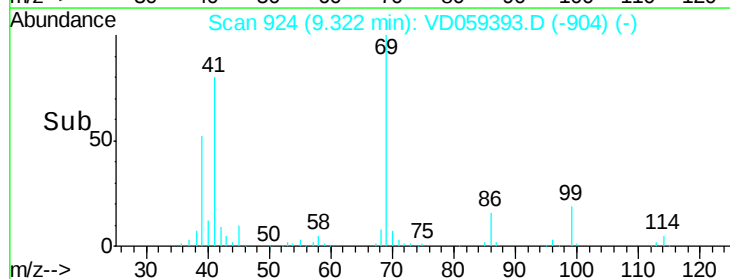
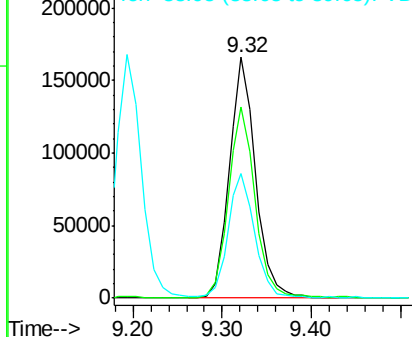
Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.5	67.4	101.0
39	51.5	43.7	65.5

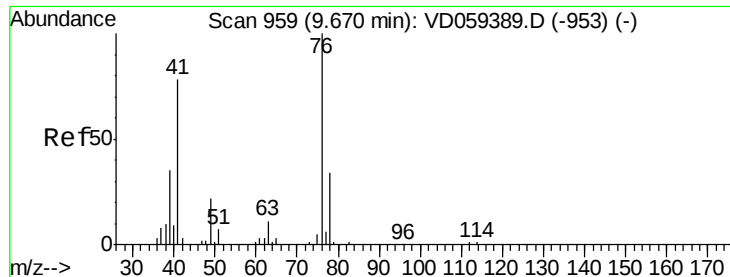


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.05 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

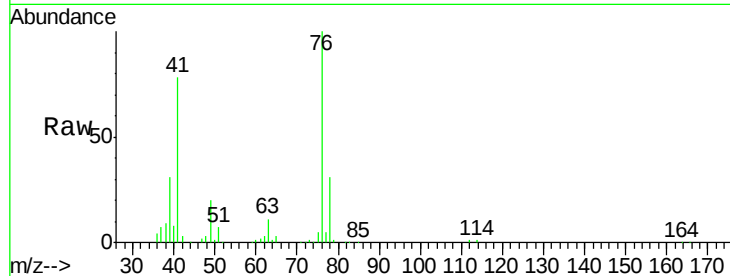
ICVVD062518

Tot Ion: 76 Resp: 478331

Ion Ratio Lower Upper

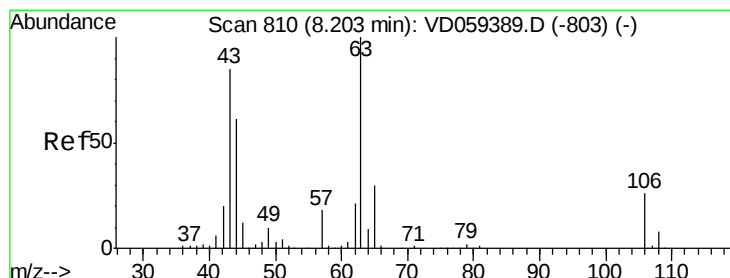
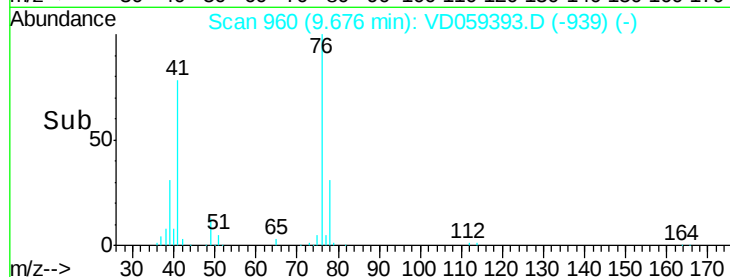
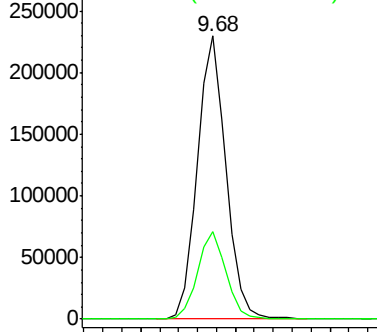
76 100

78 30.9 26.8 40.2



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: 273.29 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD059393.D

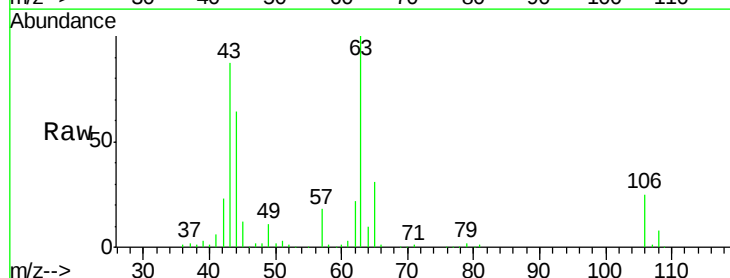
Acq: 25 Jun 2018 3:40

Tgt Ion: 63 Resp: 837707

Ion Ratio Lower Upper

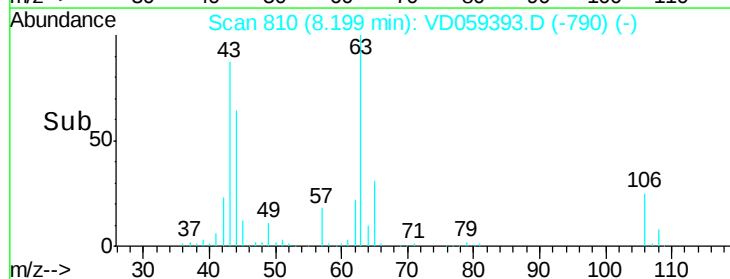
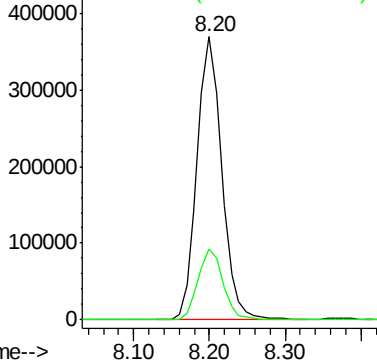
63 100

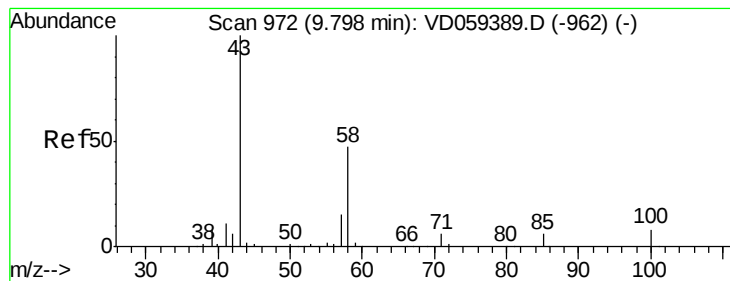
106 25.1 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 283.62 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

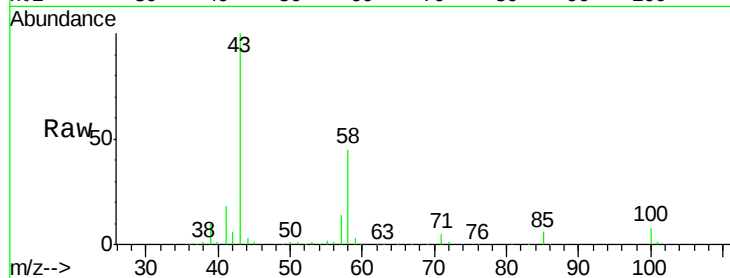
ICVVD062518

Tot Ion: 43 Resp: 1030191

Ion Ratio Lower Upper

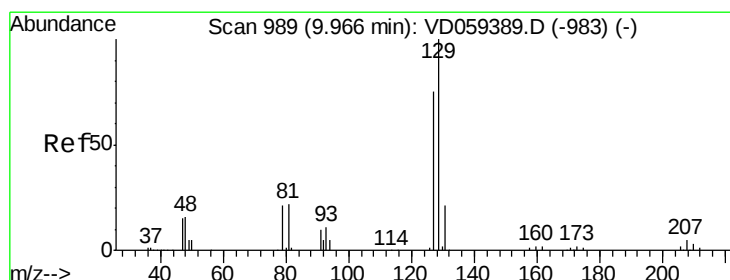
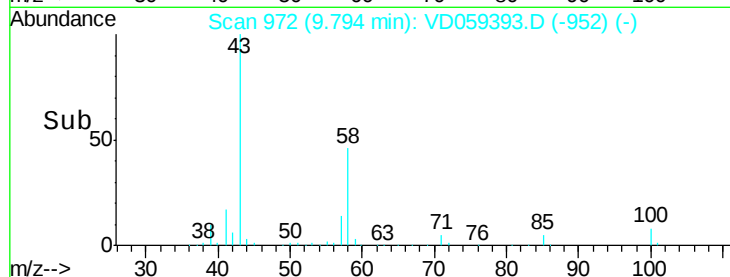
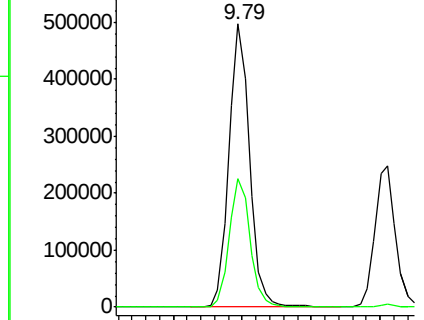
43 100

58 45.5 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 58.89 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD059393.D

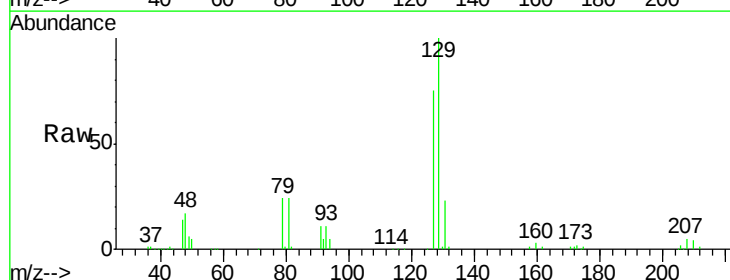
Acq: 25 Jun 2018 3:40

Tgt Ion:129 Resp: 430359

Ion Ratio Lower Upper

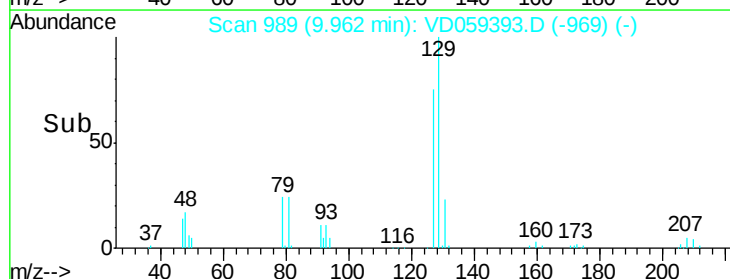
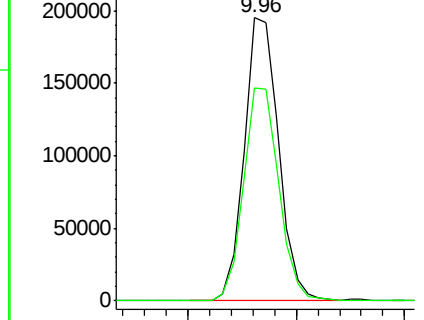
129 100

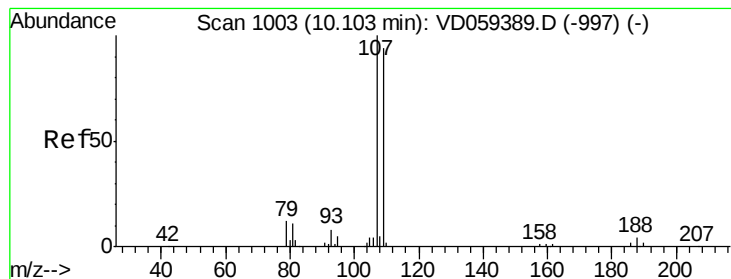
127 75.4 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 57.09 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

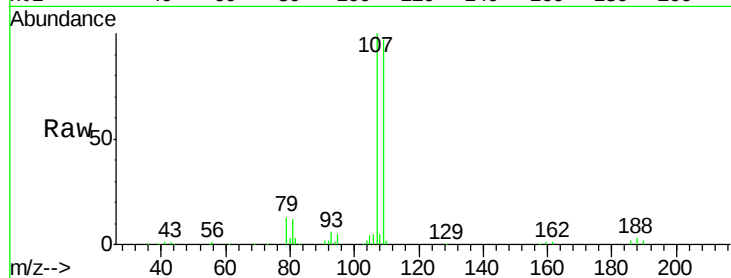
ICVVD062518

Tot Ion:107 Resp: 331719

Ion Ratio Lower Upper

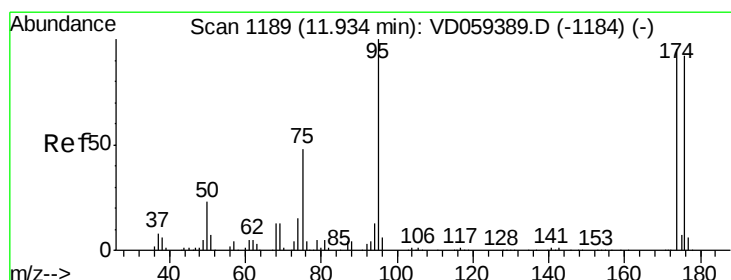
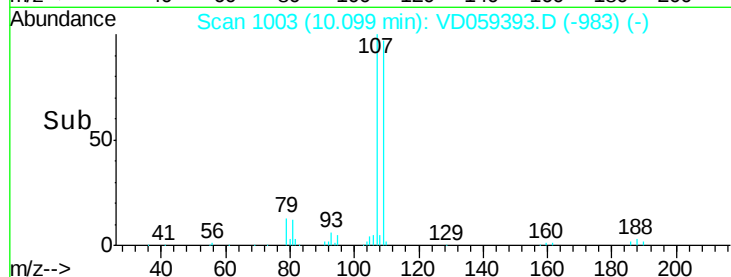
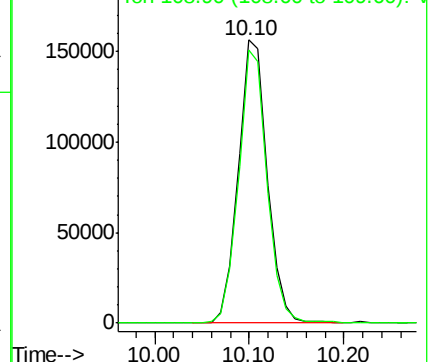
107 100

109 96.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.09 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

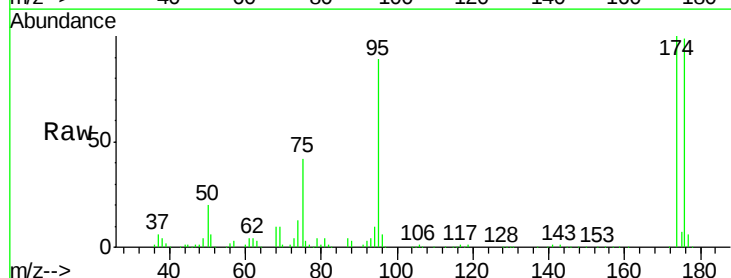
Tgt Ion: 95 Resp: 498190

Ion Ratio Lower Upper

95 100

174 111.8 0.0 190.4

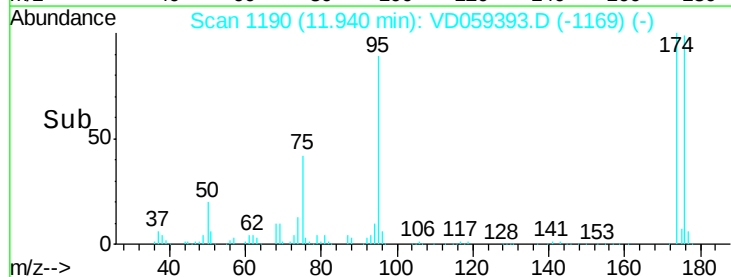
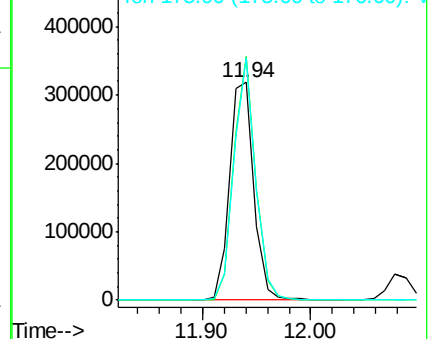
176 111.1 0.0 183.2

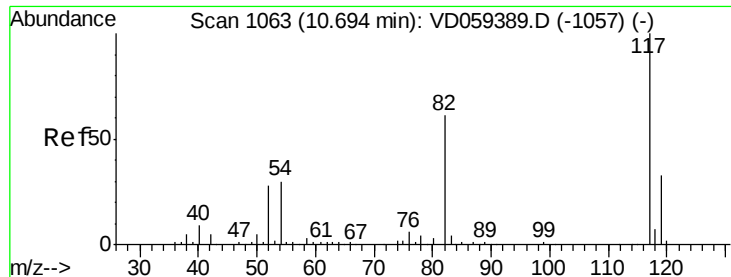


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

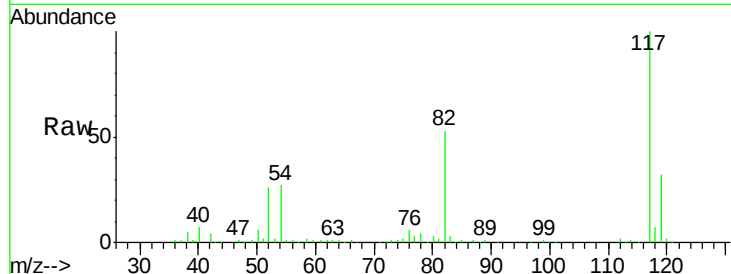




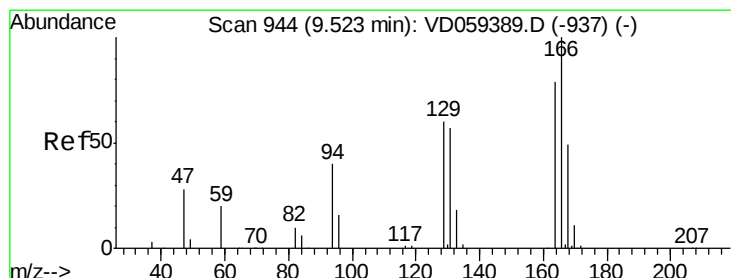
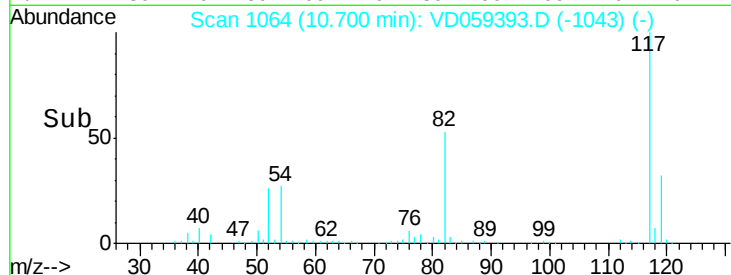
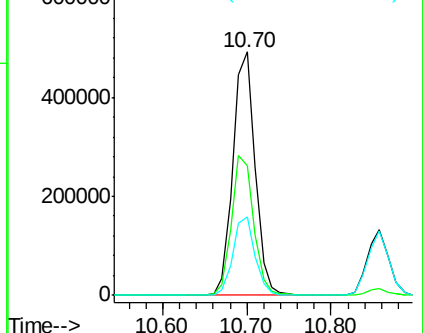
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

Tot Ion:117 Resp: 904422
Ion Ratio Lower Upper
117 100
82 53.1 49.0 73.6
119 32.0 26.2 39.4

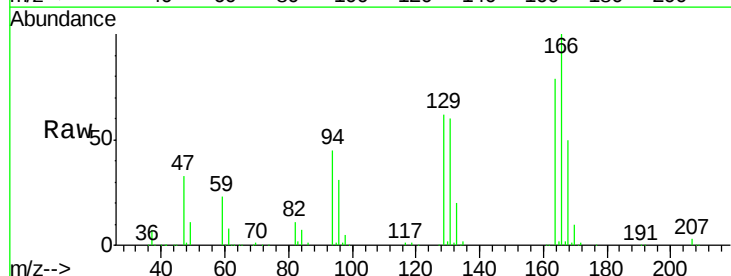


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

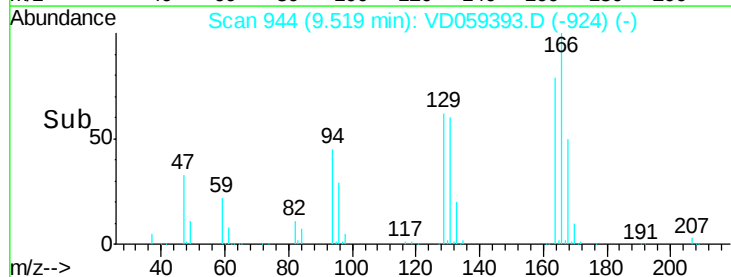
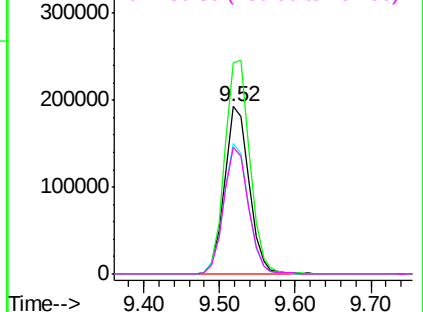


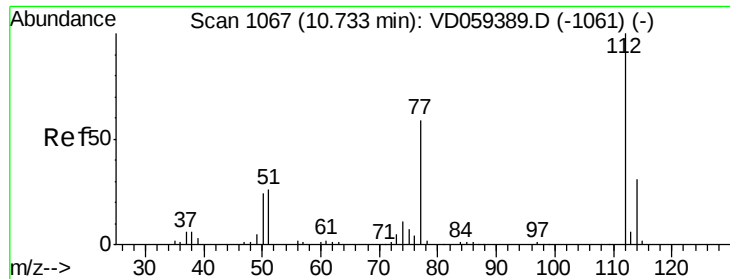
#64
Tetrachloroethene
Concen: 54.50 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:164 Resp: 432372
Ion Ratio Lower Upper
164 100
166 126.2 101.4 152.2
129 78.1 60.9 91.3
131 75.5 58.2 87.4



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





#65

Chlorobenzene

Concen: 54.99 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

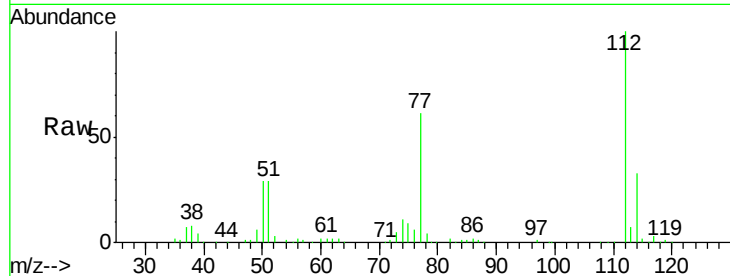
ICVVD062518

Tot Ion:112 Resp: 909433

Ion Ratio Lower Upper

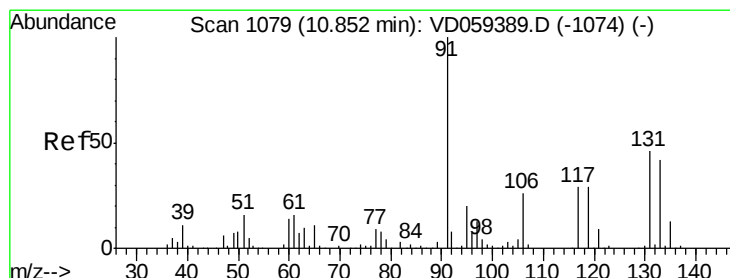
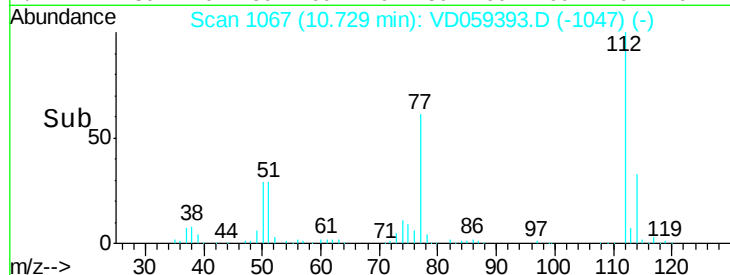
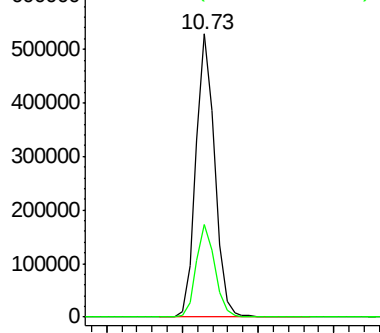
112 100

114 32.8 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.66 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

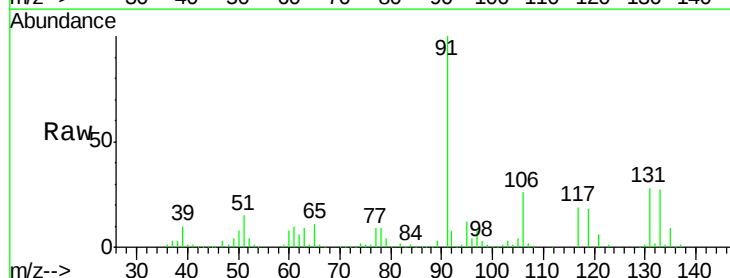
Tgt Ion:131 Resp: 359689

Ion Ratio Lower Upper

131 100

133 95.5 45.7 137.1

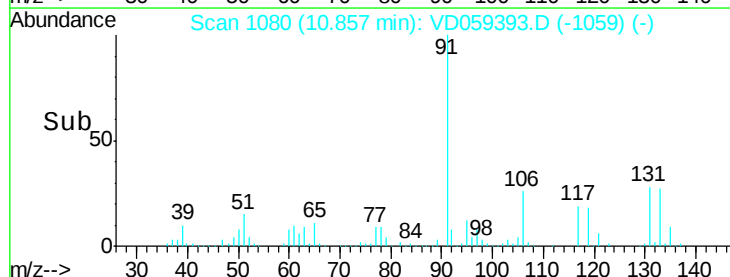
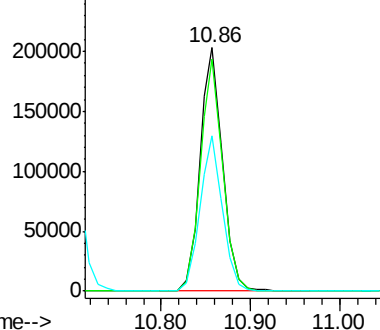
119 64.0 32.3 96.9

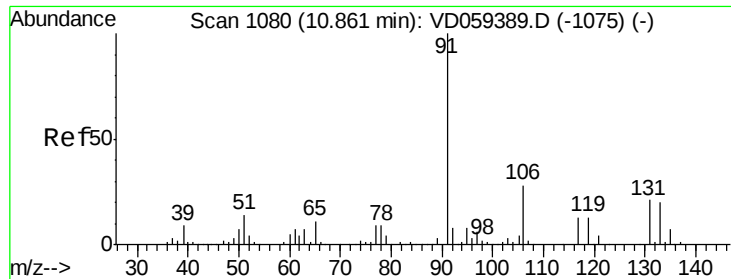


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

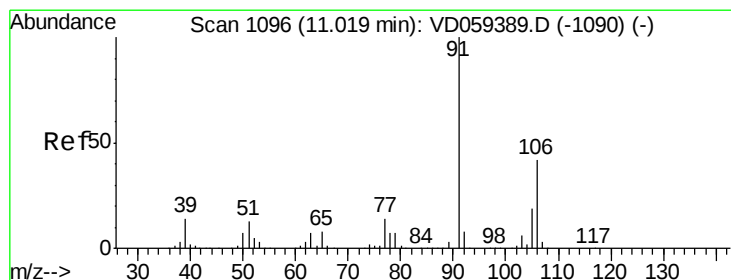
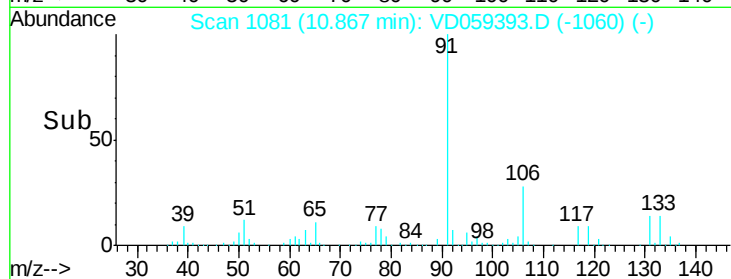
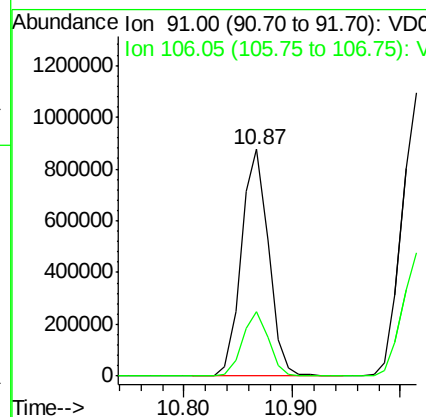
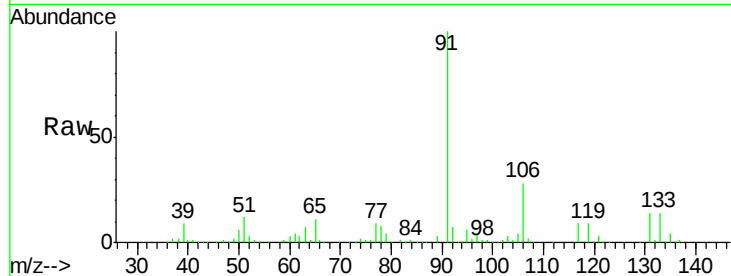




#67
Ethyl Benzene
Concen: 54.86 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

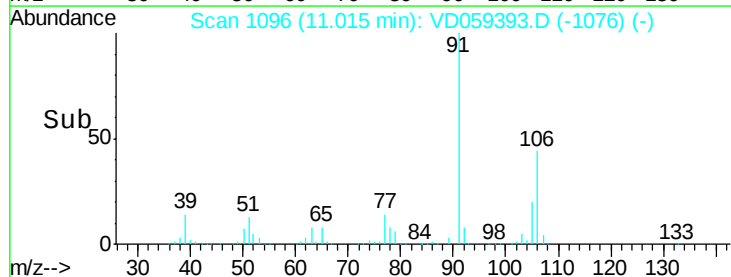
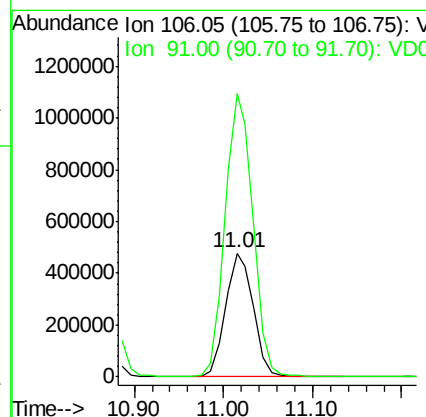
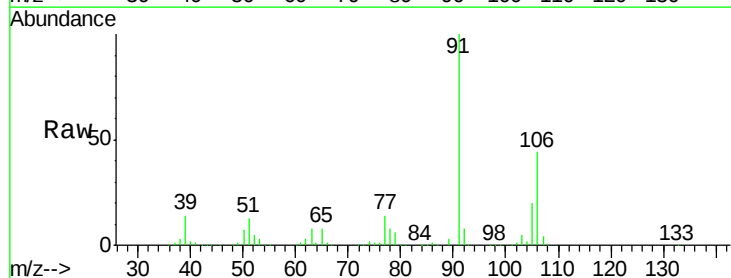
Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

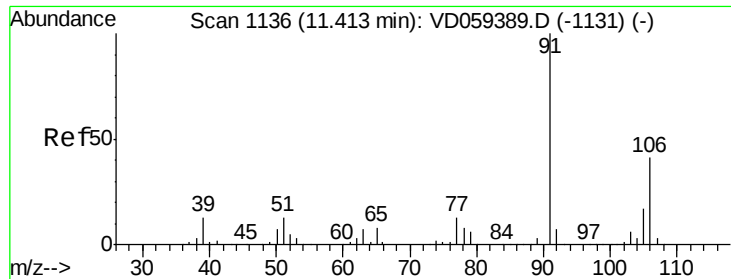
Tot Ion: 91 Resp: 1530951
Ion Ratio Lower Upper
91 100
106 28.2 22.3 33.5



#68
m/p-Xylenes
Concen: 112.50 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:106 Resp: 1041563
Ion Ratio Lower Upper
106 100
91 229.3 191.0 286.6

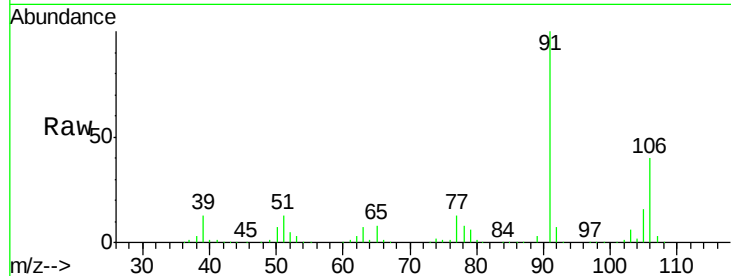




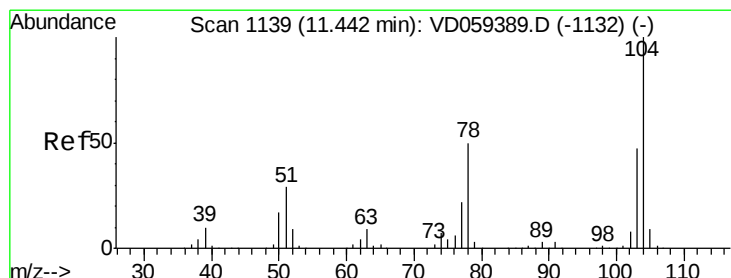
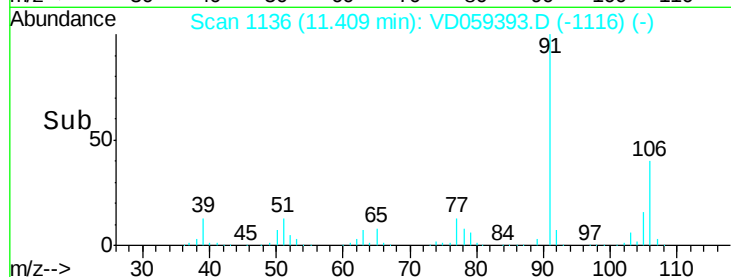
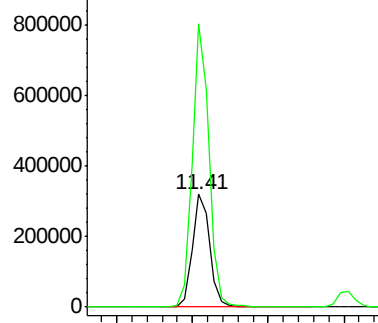
#69
o-Xylene
Concen: 56.53 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
ICVVD062518

Tot Ion:106 Resp: 517412
Ion Ratio Lower Upper
106 100
91 250.3 121.0 362.8

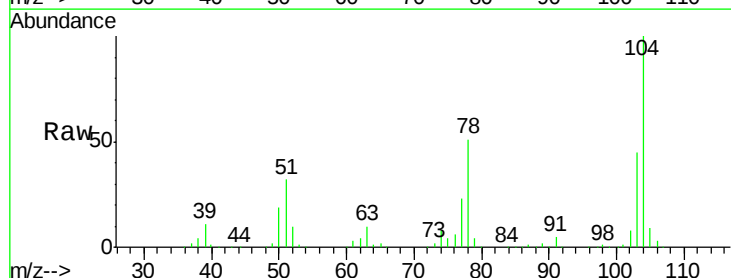


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

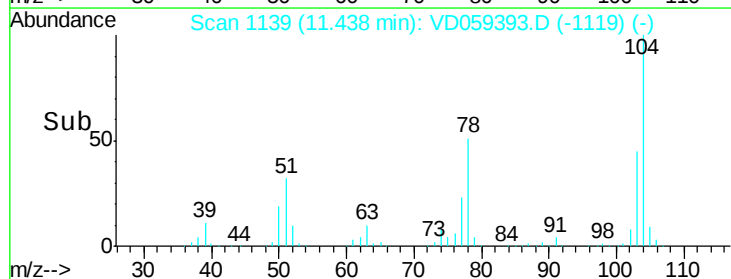
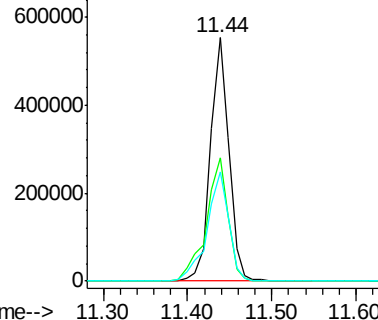


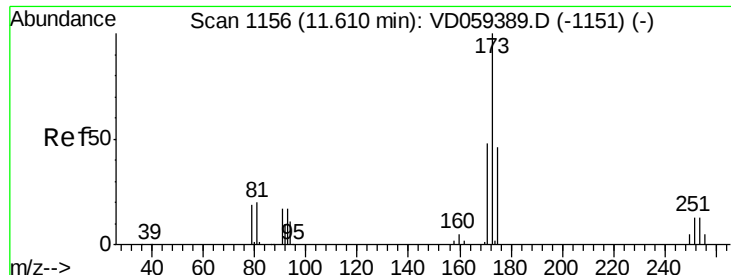
#70
Styrene
Concen: 53.88 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:104 Resp: 845474
Ion Ratio Lower Upper
104 100
78 50.8 40.2 60.4
103 45.0 37.8 56.8



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: 61.06 ug/l

RT: 11.61 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

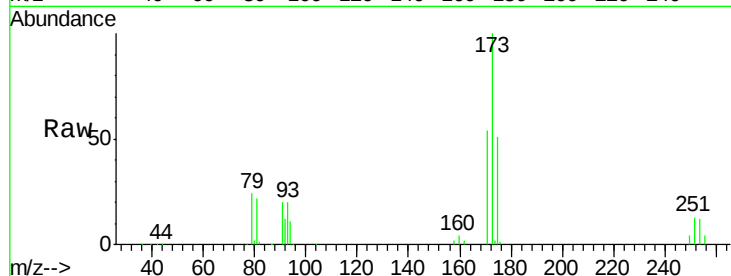
Tot Ion:173 Resp: 321093

Ion Ratio Lower Upper

173 100

175 50.7 22.8 68.4

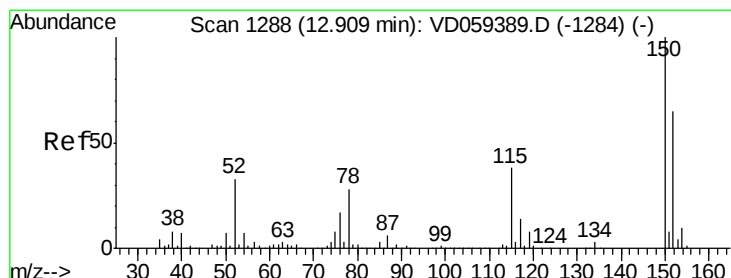
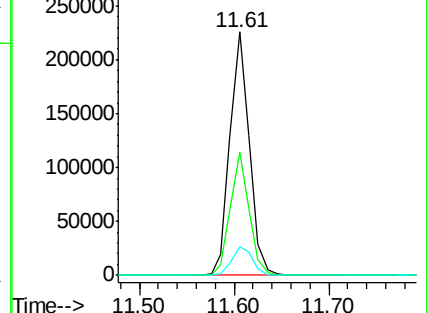
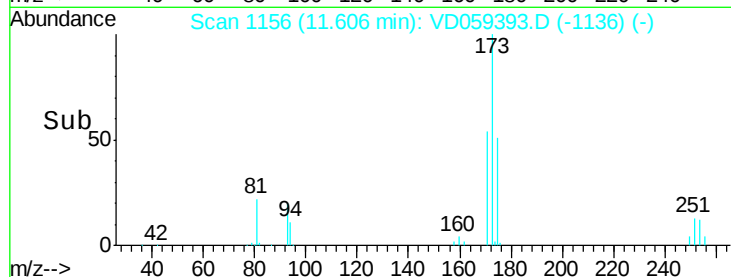
254 11.7 10.1 15.1



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: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

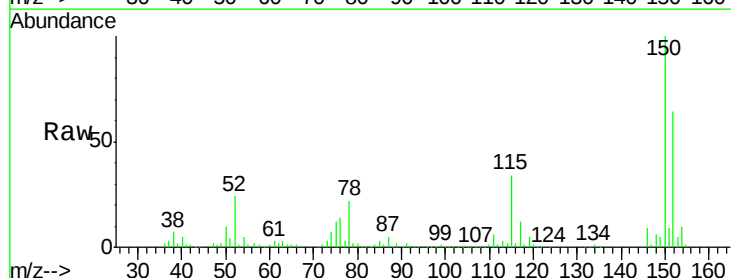
Tgt Ion:152 Resp: 455460

Ion Ratio Lower Upper

152 100

115 53.1 29.4 88.3

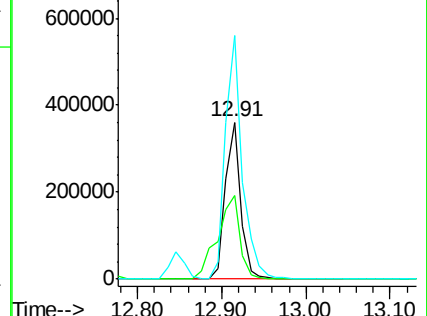
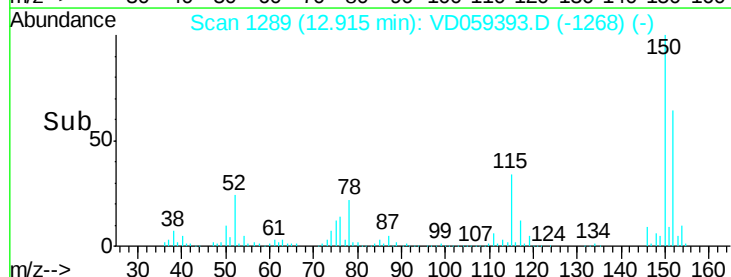
150 155.5 0.0 308.2

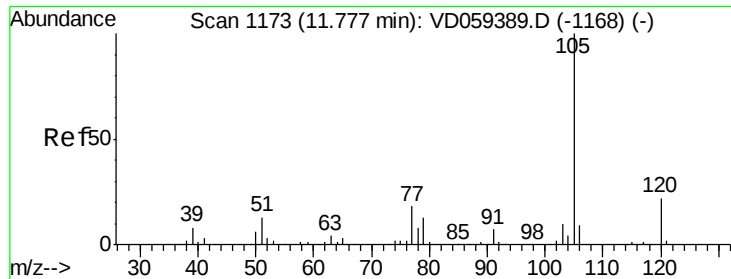


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.04 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

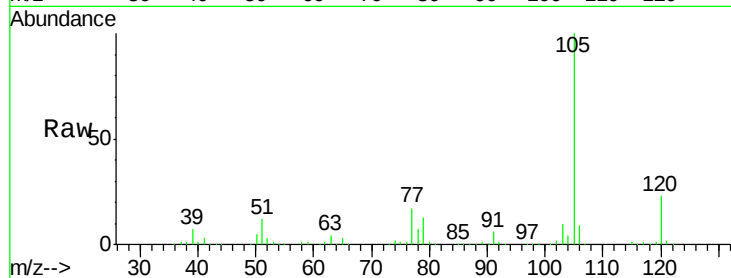
ICVVD062518

Tot Ion:105 Resp: 1466098

Ion Ratio Lower Upper

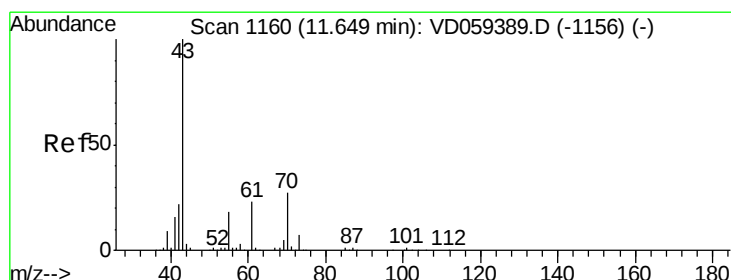
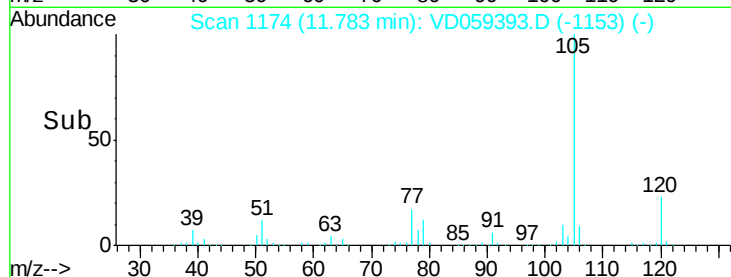
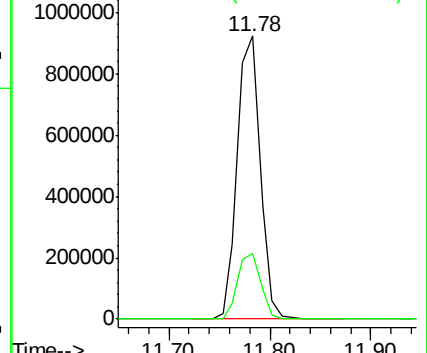
105 100

120 23.0 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 60.19 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 588622

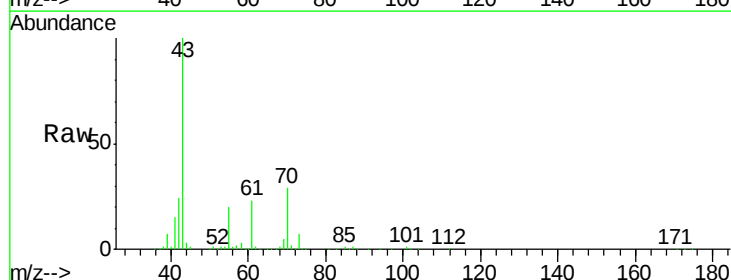
Ion Ratio Lower Upper

43 100

70 28.7 21.7 32.5

55 19.5 14.6 22.0

61 23.4 18.0 27.0

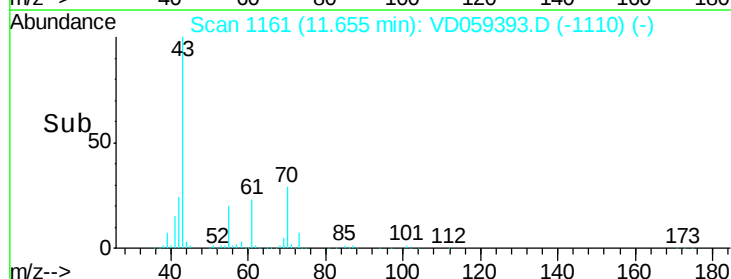
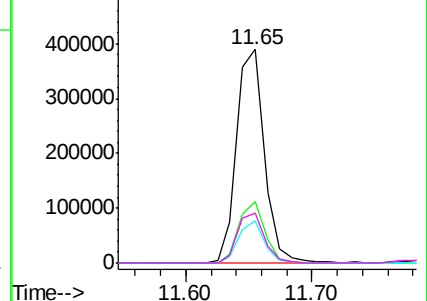


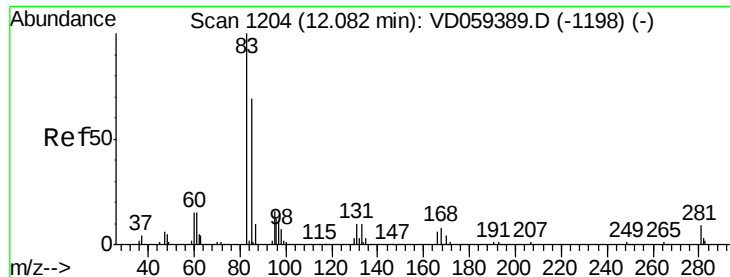
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.64 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

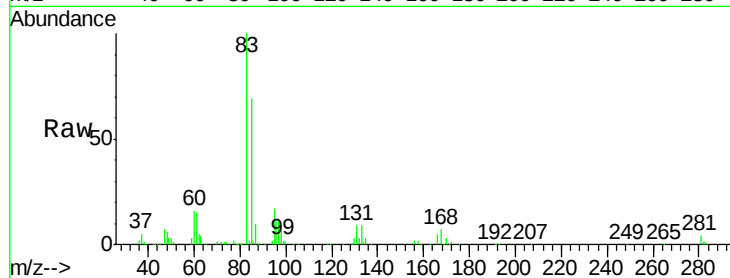
Tot Ion: 83 Resp: 341546

Ion Ratio Lower Upper

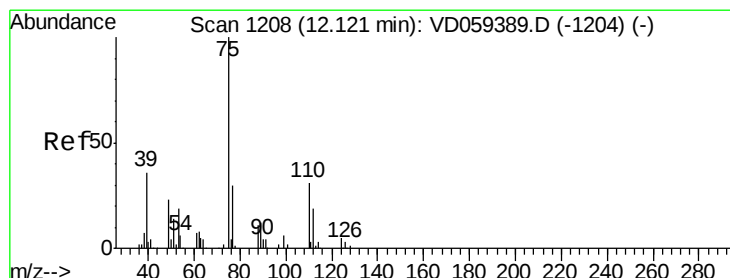
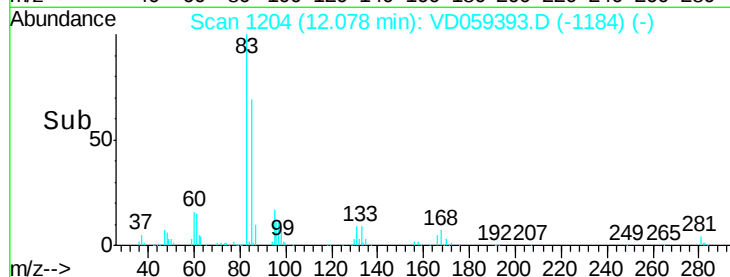
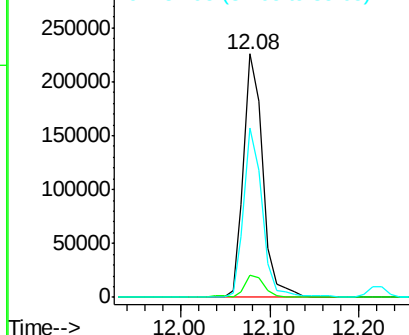
83 100

131 8.9 4.9 14.6

85 69.5 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.20 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059393.D

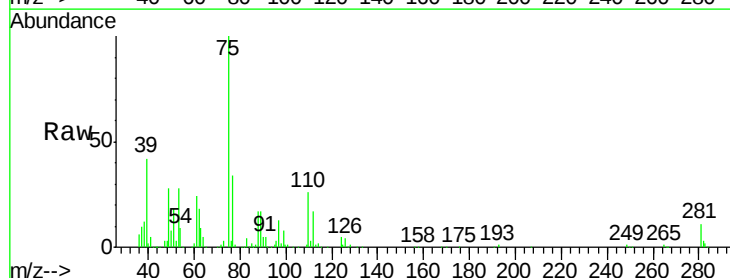
Acq: 25 Jun 2018 3:40

Tgt Ion: 75 Resp: 346791

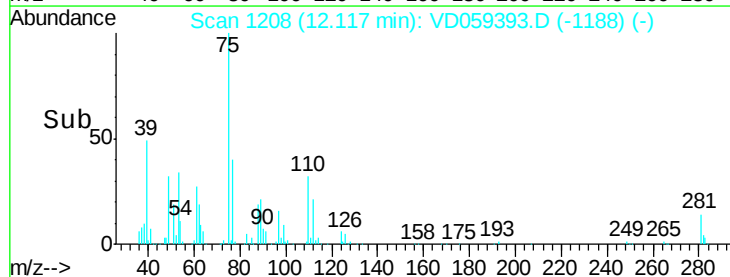
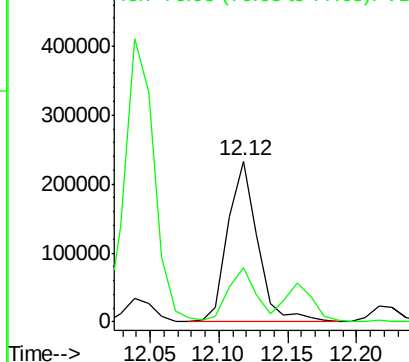
Ion Ratio Lower Upper

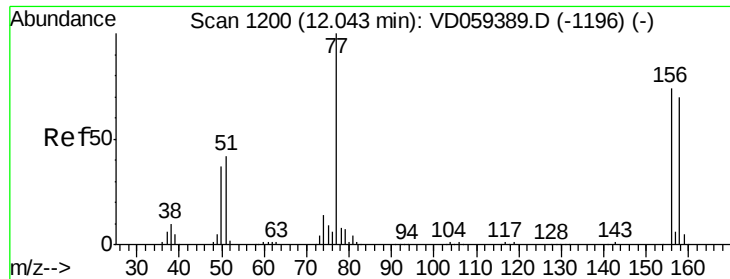
75 100

77 33.5 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.68 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

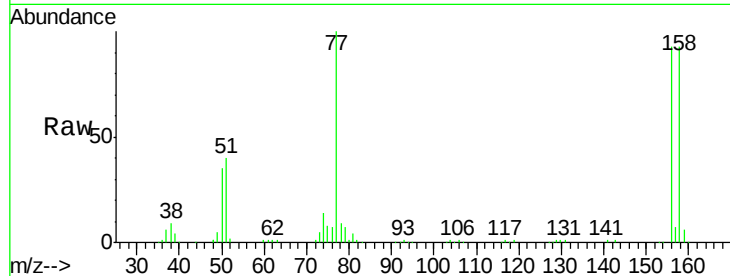
Tot Ion:156 Resp: 466591

Ion Ratio Lower Upper

156 100

77 107.4 68.0 203.8

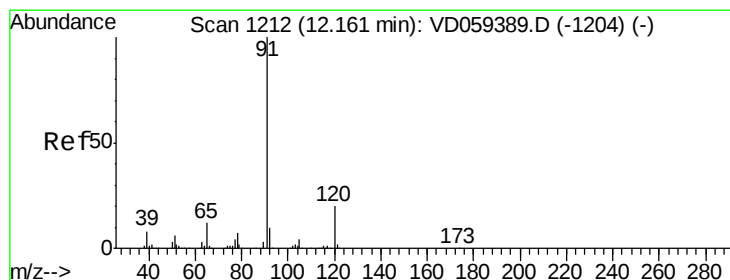
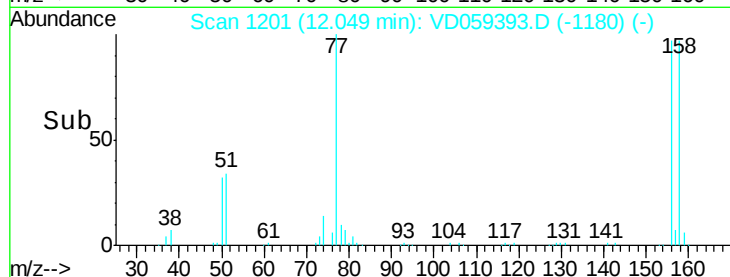
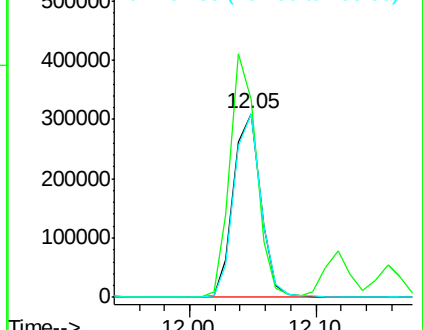
158 99.5 47.7 143.1



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: 57.44 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059393.D

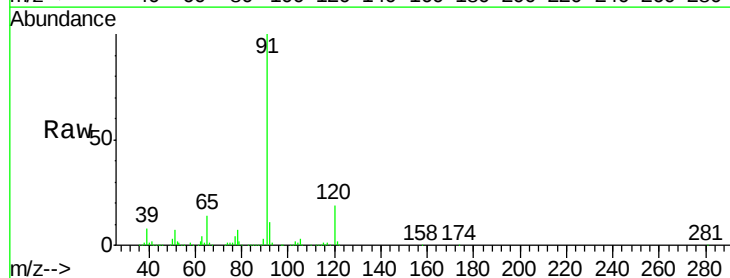
Acq: 25 Jun 2018 3:40

Tgt Ion: 91 Resp: 1869895

Ion Ratio Lower Upper

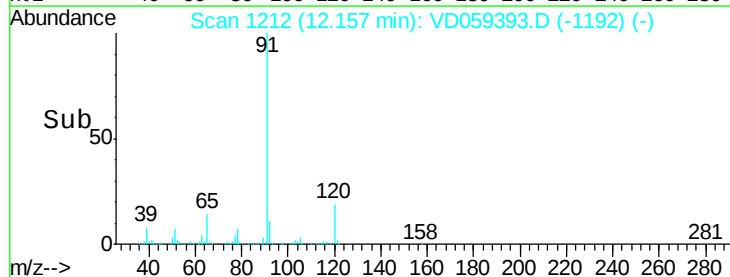
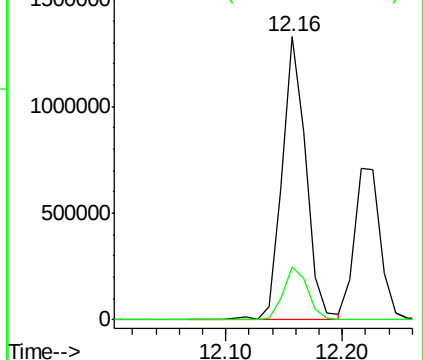
91 100

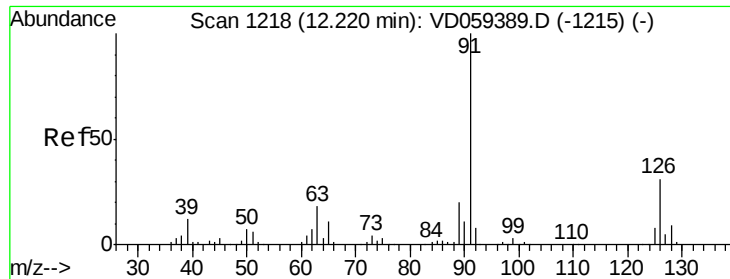
120 18.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

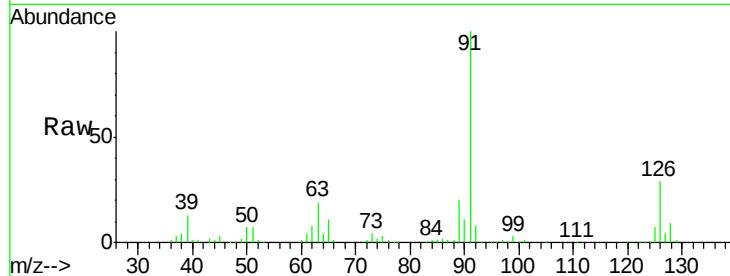




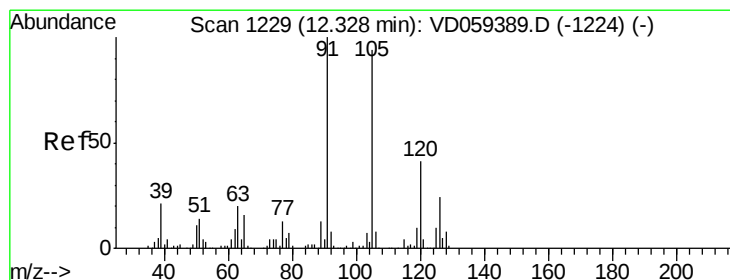
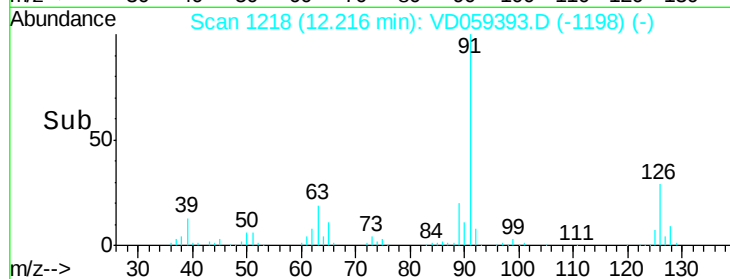
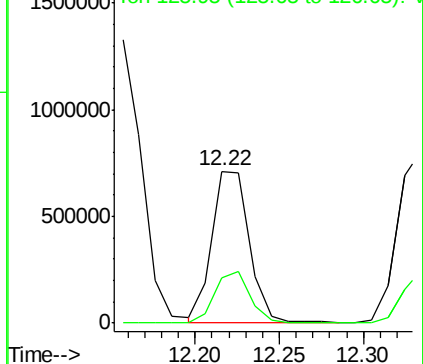
#79
 2-Chlorotoluene
 Concen: 57.61 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

Tot Ion: 91 Resp: 1101260
 Ion Ratio Lower Upper
 91 100
 126 29.4 15.2 45.5

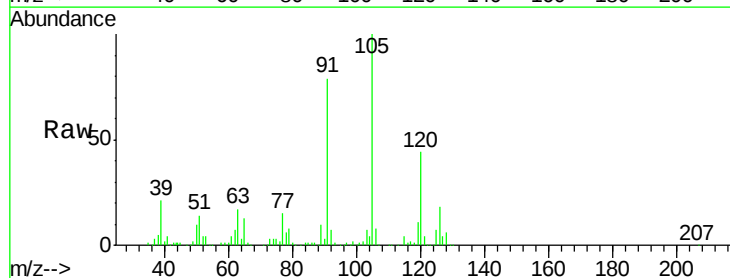


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

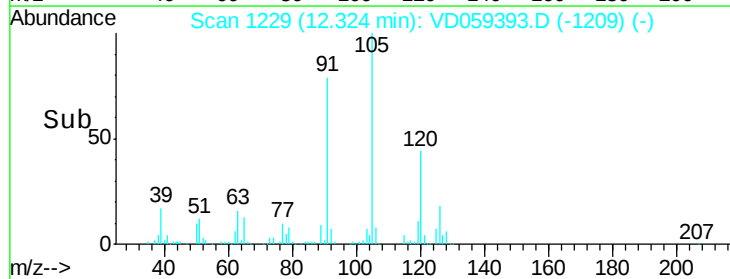
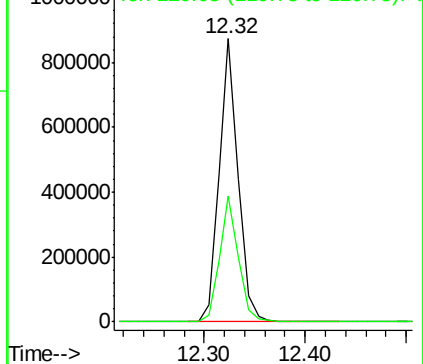


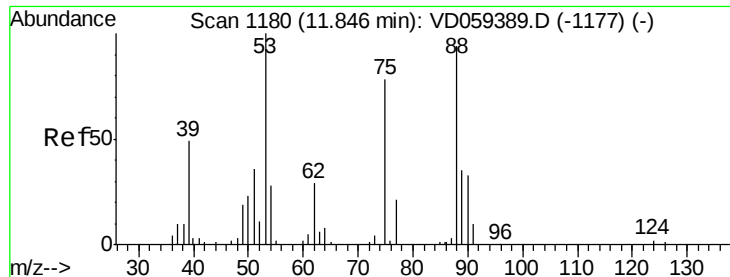
#80
 1,3,5-Trimethylbenzene
 Concen: 55.92 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 105 Resp: 1144205
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 61.42 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

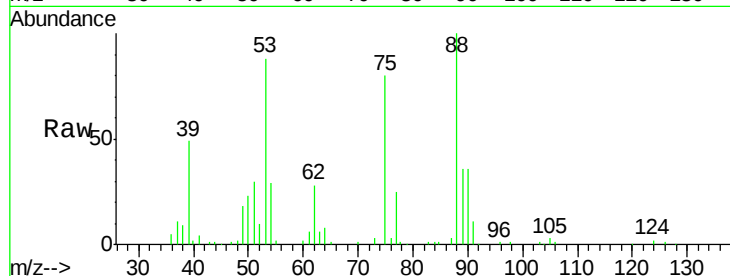
Tot Ion: 75 Resp: 87703

Ion Ratio Lower Upper

75 100

53 109.2 102.6 154.0

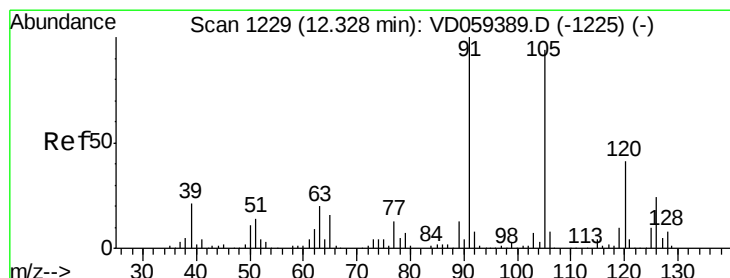
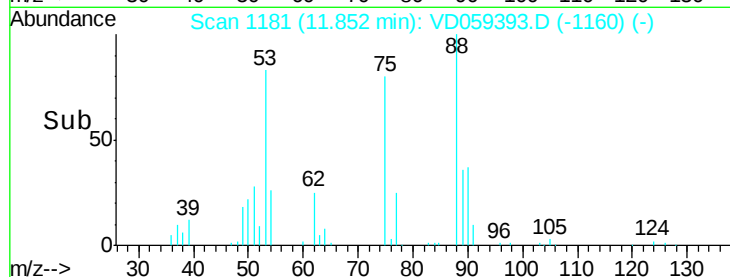
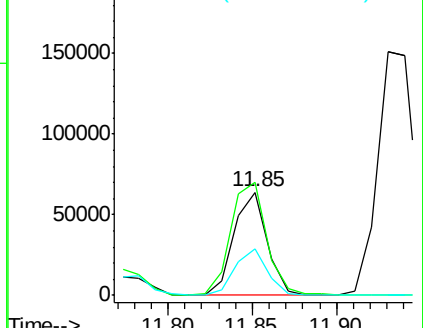
89 44.9 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.75 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059393.D

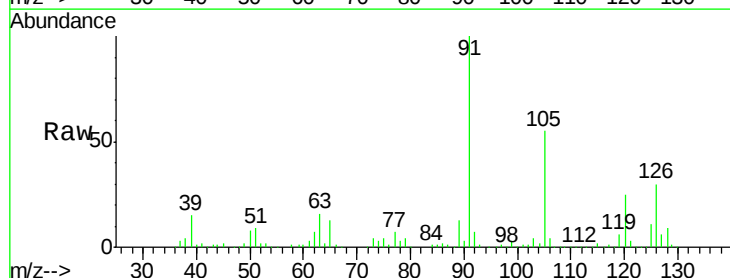
Acq: 25 Jun 2018 3:40

Tgt Ion: 91 Resp: 1186807

Ion Ratio Lower Upper

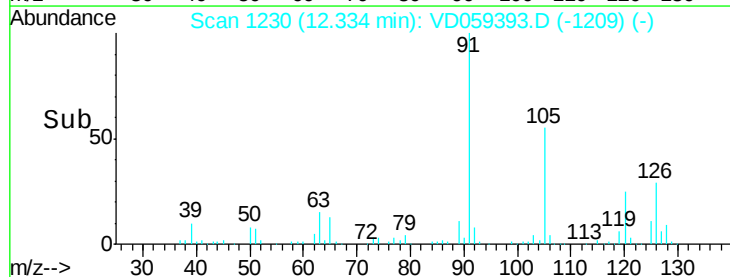
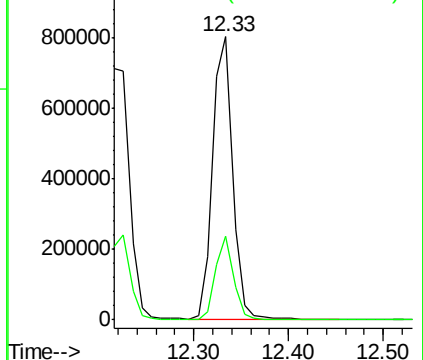
91 100

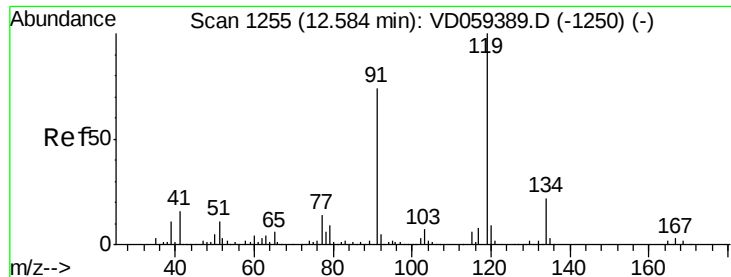
126 29.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

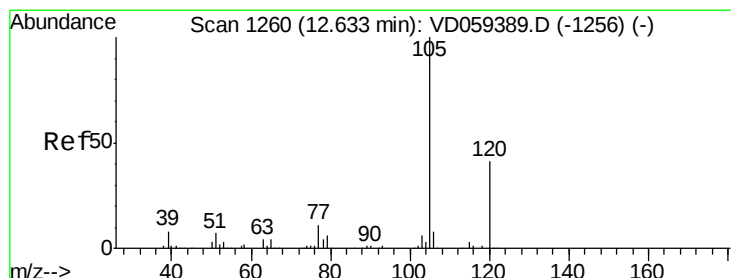
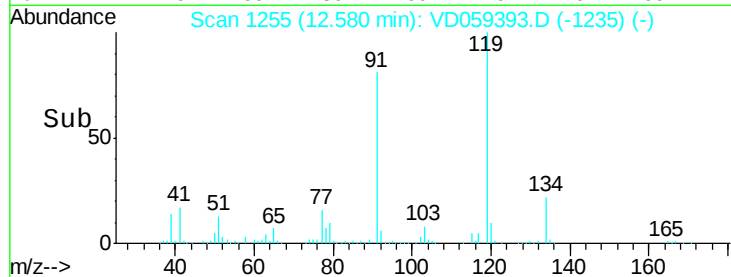
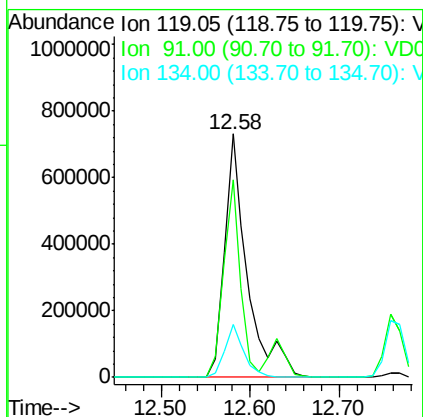
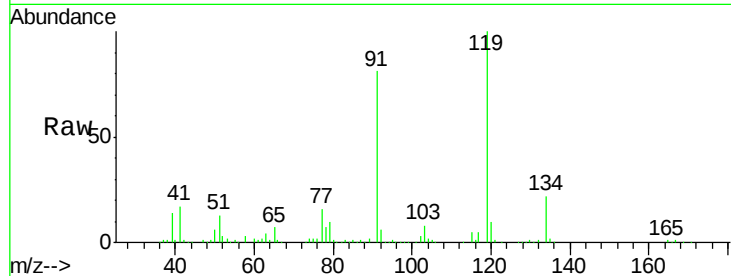




#83
 tert-Butylbenzene
 Concen: 60.32 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

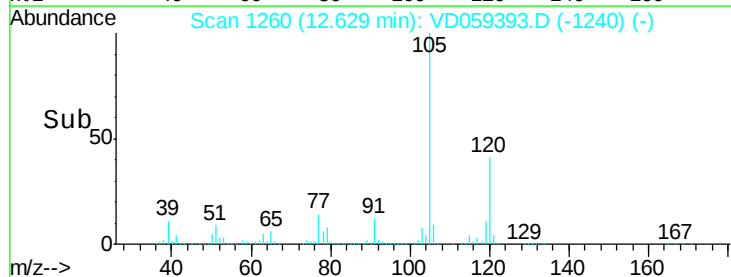
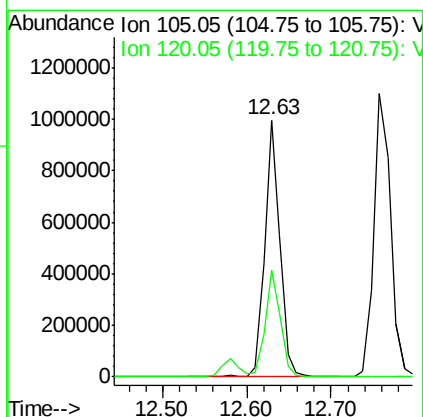
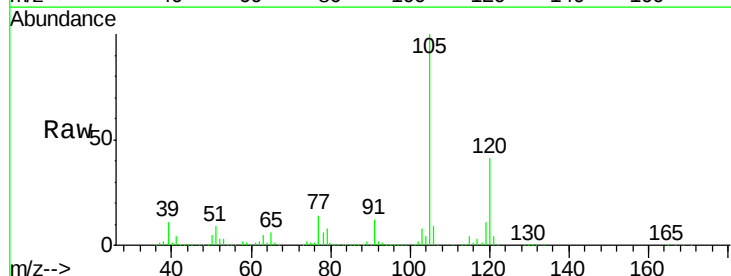
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

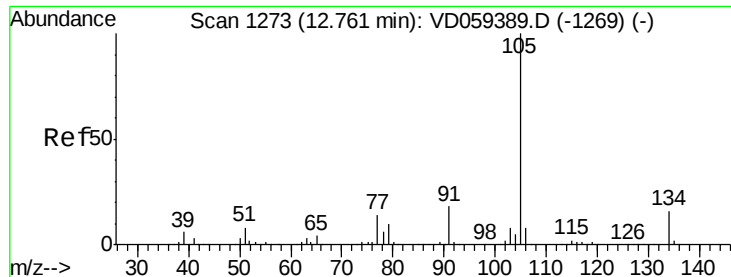
Tot Ion:119 Resp: 1312967
 Ion Ratio Lower Upper
 119 100
 91 81.4 36.9 110.7
 134 21.7 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 58.87 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:105 Resp: 1274756
 Ion Ratio Lower Upper
 105 100
 120 41.4 21.5 64.5





#85

sec-Butylbenzene

Concen: 56.57 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

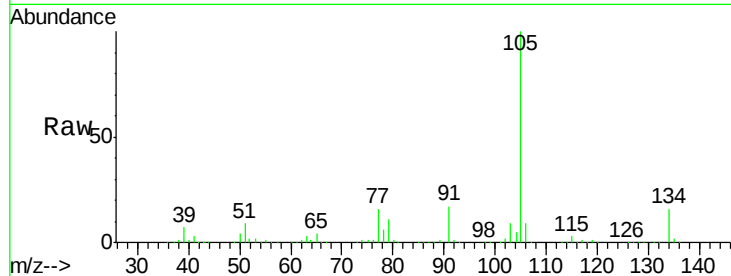
ICVVD062518

Tot Ion:105 Resp: 1510769

Ion Ratio Lower Upper

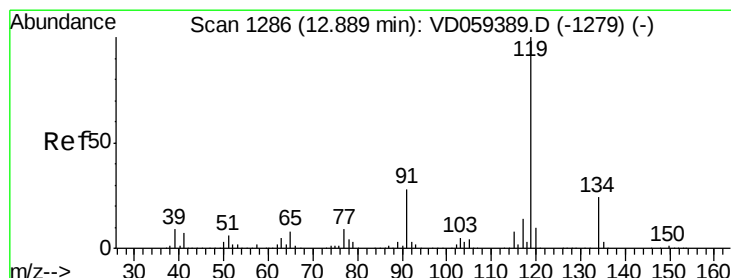
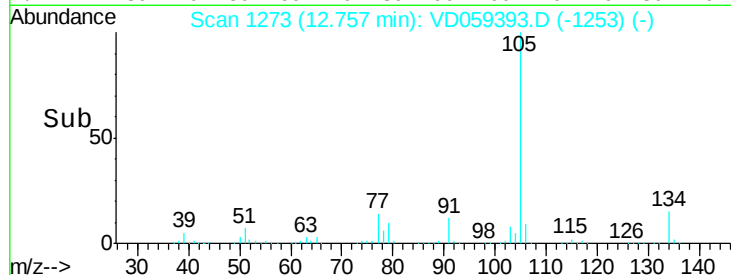
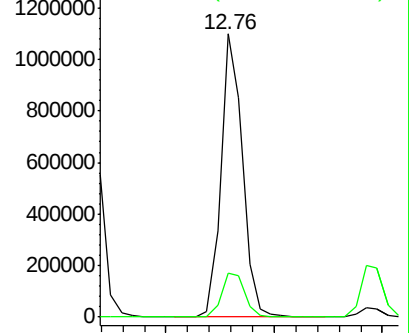
105 100

134 15.6 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 59.19 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

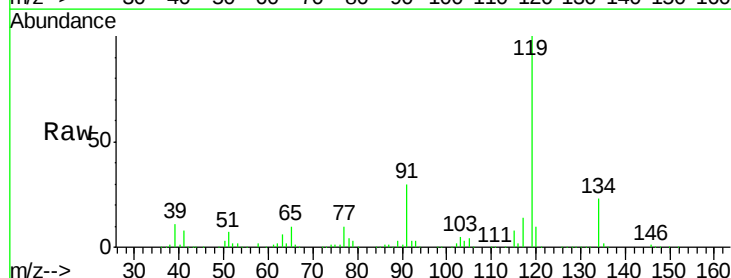
Tgt Ion:119 Resp: 1274098

Ion Ratio Lower Upper

119 100

134 22.7 11.9 35.5

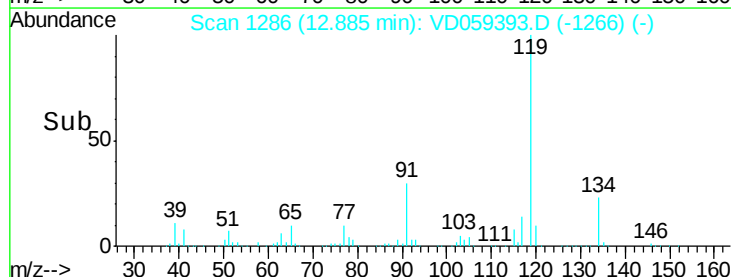
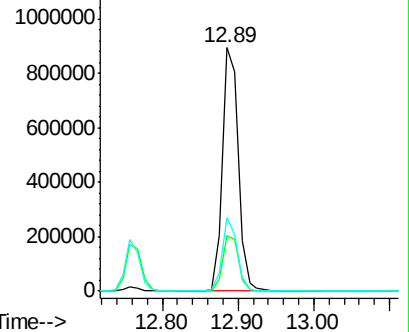
91 30.4 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

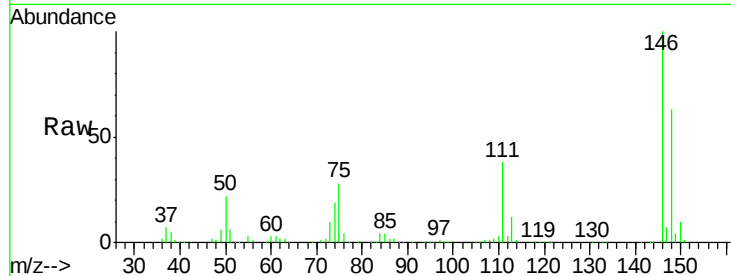




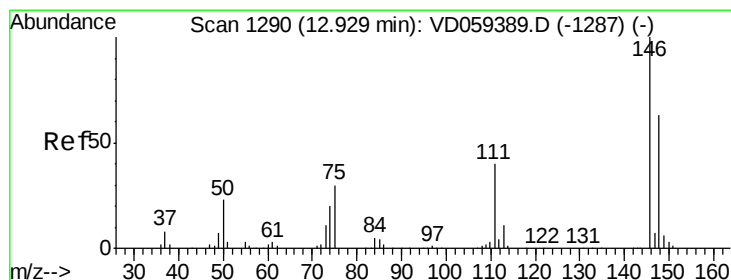
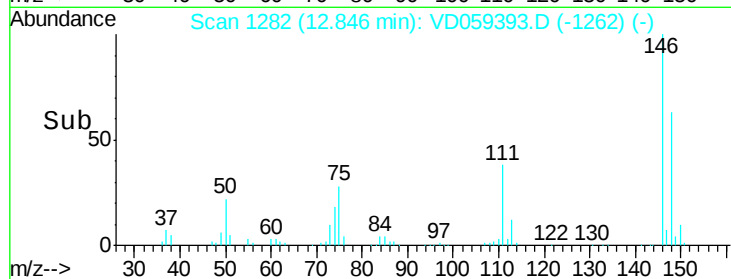
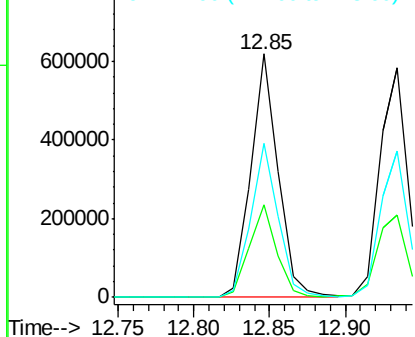
#87
 1,3-Dichlorobenzene
 Concen: 58.53 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

Tot Ion:146 Resp: 779012
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.6 52.8
 148 63.3 32.4 97.2

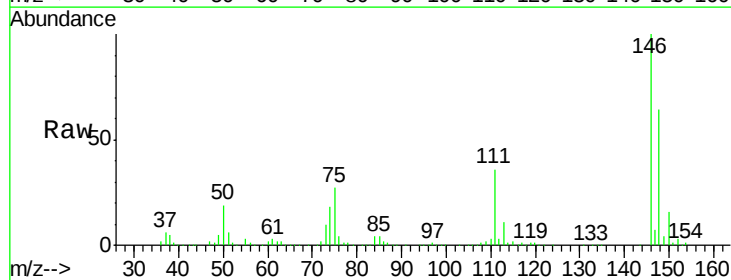


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

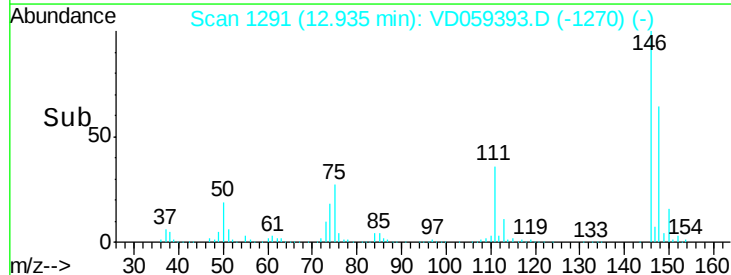
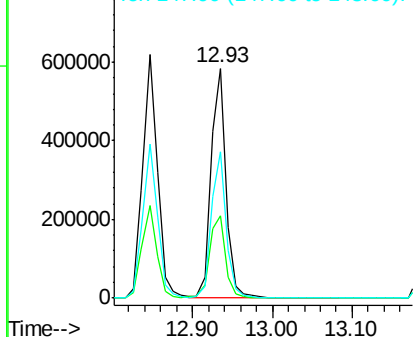


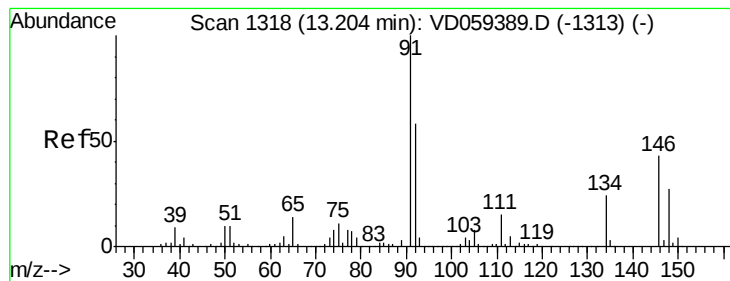
#88
 1,4-Dichlorobenzene
 Concen: 58.65 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:146 Resp: 770234
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.1 60.2
 148 63.6 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.66 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

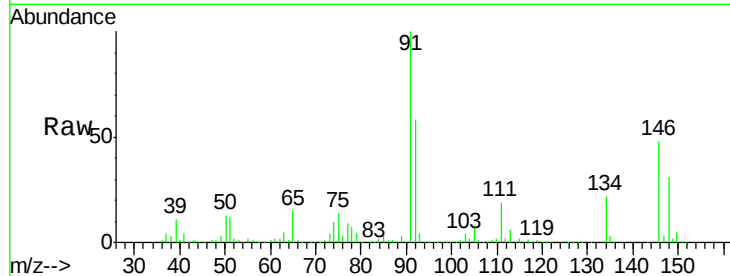
Tot Ion: 91 Resp: 1204070

Ion Ratio Lower Upper

91 100

92 58.0 28.8 86.5

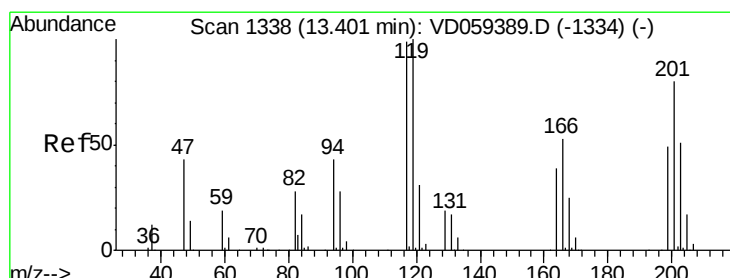
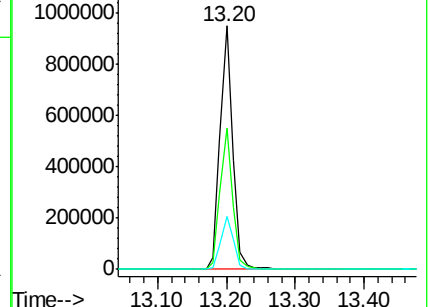
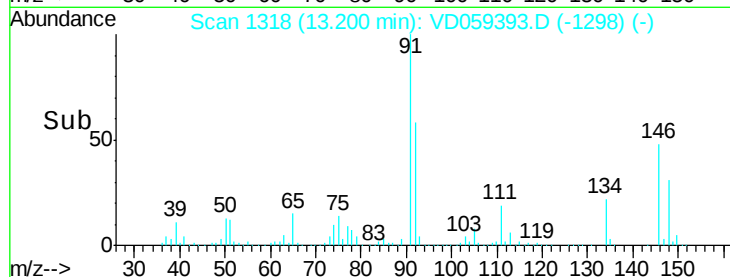
134 21.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 62.76 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059393.D

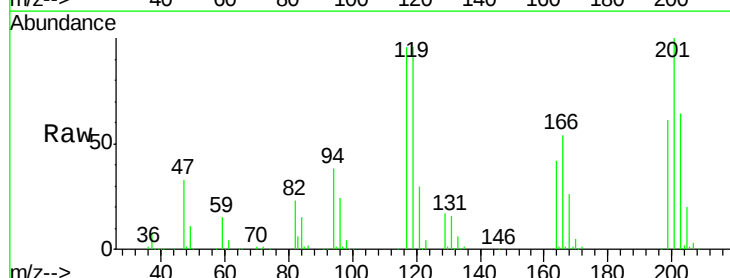
Acq: 25 Jun 2018 3:40

Tgt Ion: 117 Resp: 337069

Ion Ratio Lower Upper

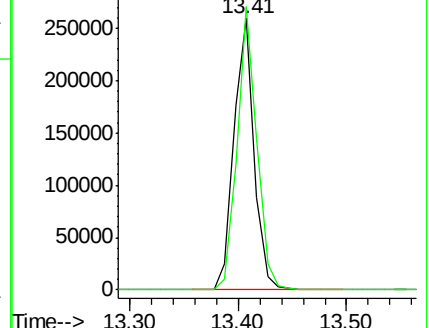
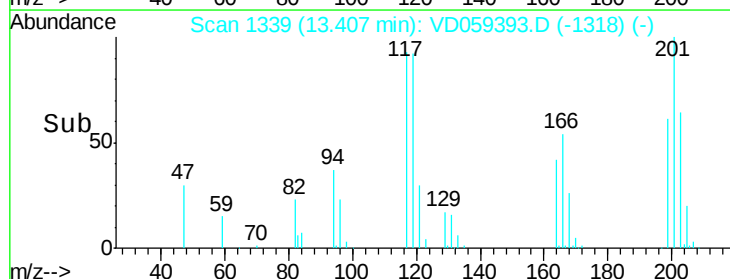
117 100

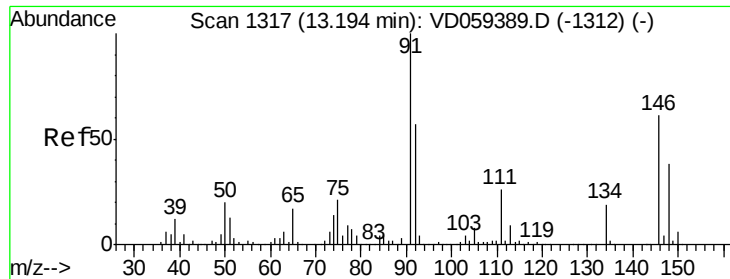
201 104.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

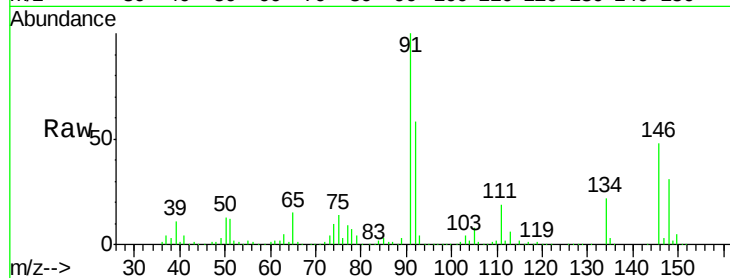




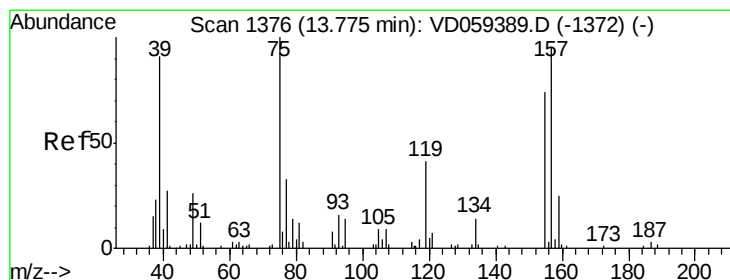
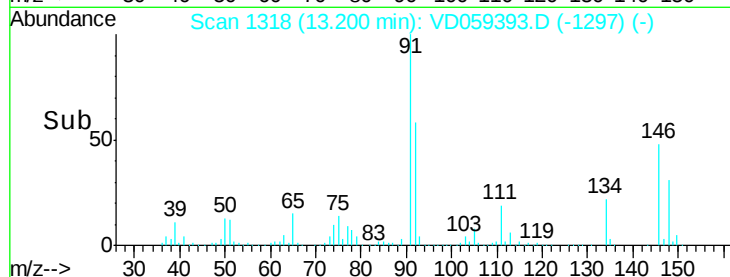
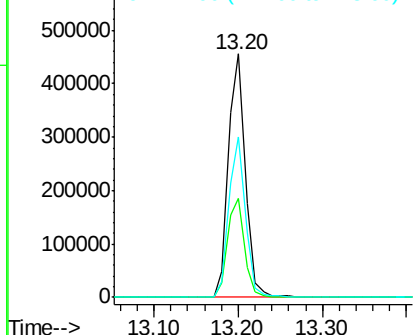
#91
 1,2-Dichlorobenzene
 Concen: 56.68 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

Tot Ion:146 Resp: 639511
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.4 64.2
 148 65.7 31.6 95.0

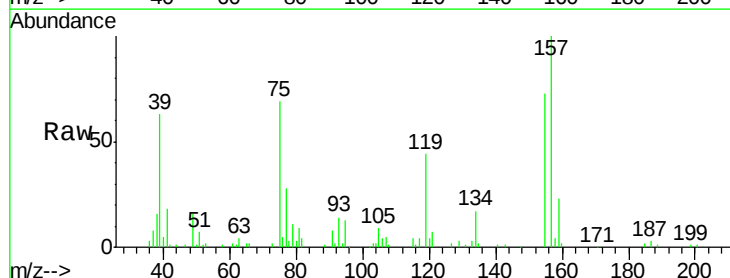


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

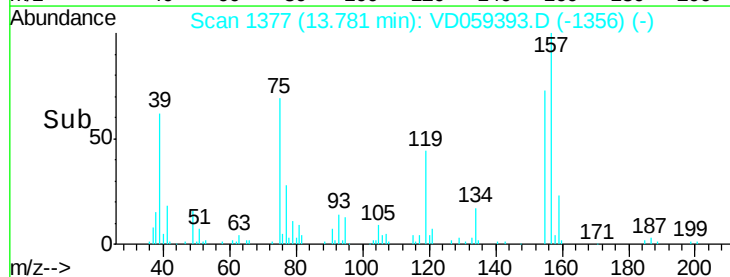
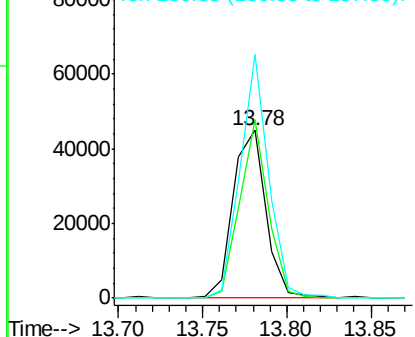


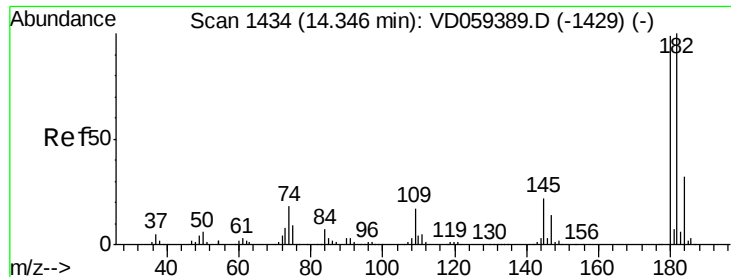
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.37 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 75 Resp: 61024
 Ion Ratio Lower Upper
 75 100
 155 106.4 37.2 111.6
 157 145.4 47.4 142.2#



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

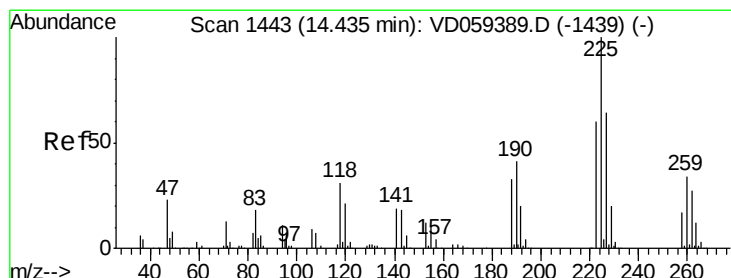
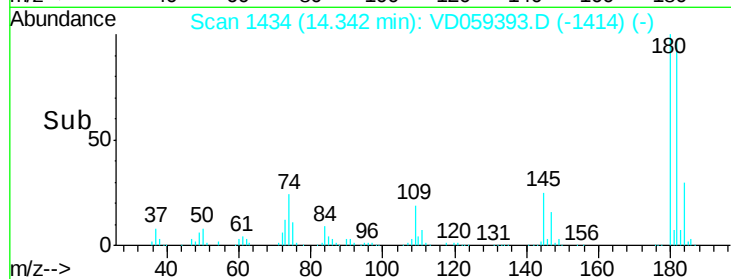
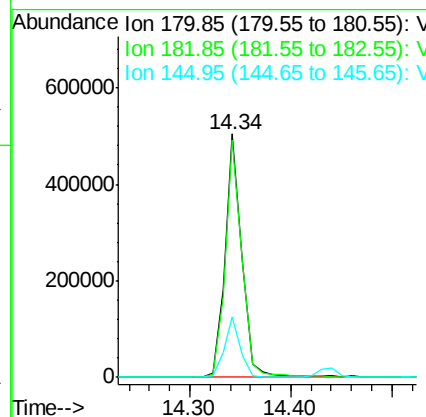
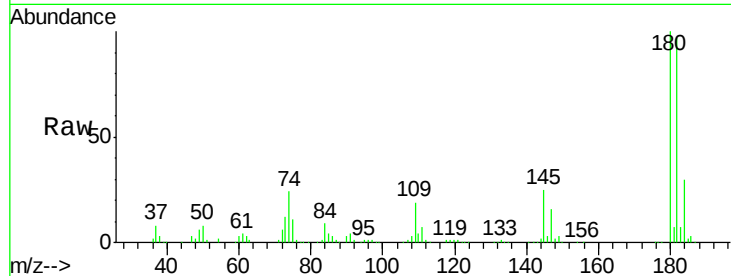




#93
 1,2,4-Trichlorobenzene
 Concen: 56.63 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

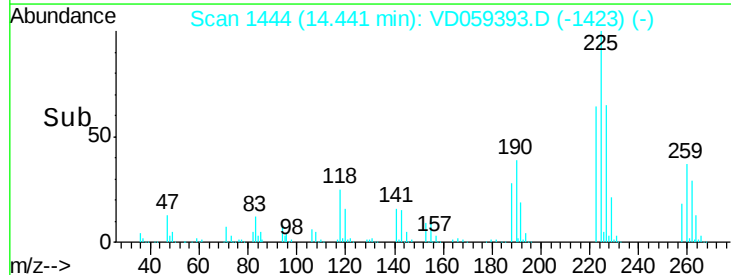
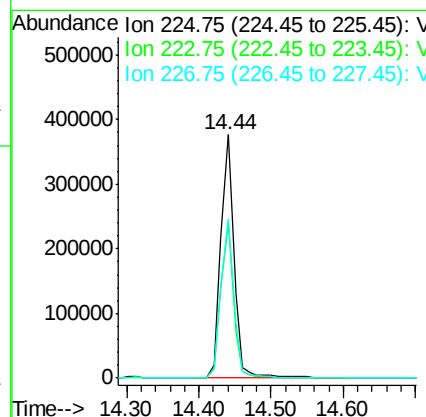
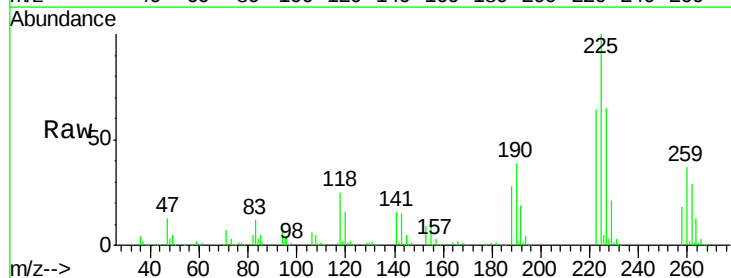
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD062518

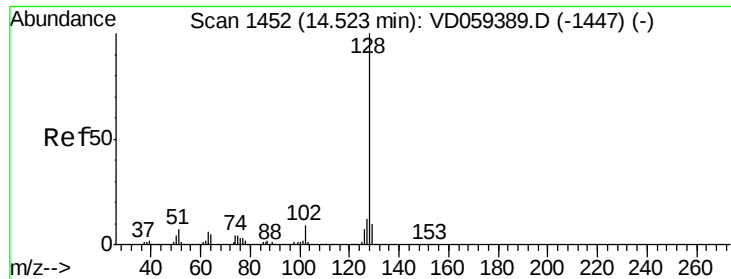
Tot Ion:180 Resp: 590793
 Ion Ratio Lower Upper
 180 100
 182 97.5 50.4 151.2
 145 25.0 11.0 33.0



#94
 Hexachlorobutadiene
 Concen: 59.94 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:225 Resp: 470549
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.0 90.1
 227 65.2 32.1 96.5





#95

Naphthalene

Concen: 59.24 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

ICVVD062518

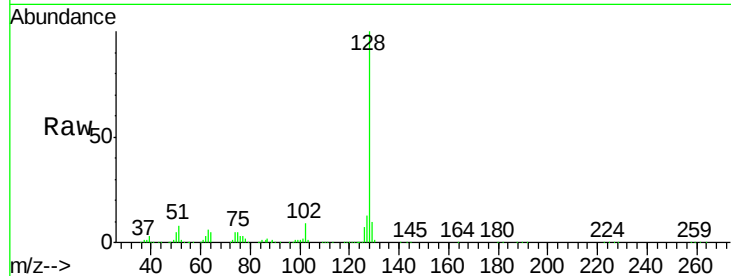
Tot Ion:128 Resp: 861365

Ion Ratio Lower Upper

128 100

127 12.8 9.6 14.4

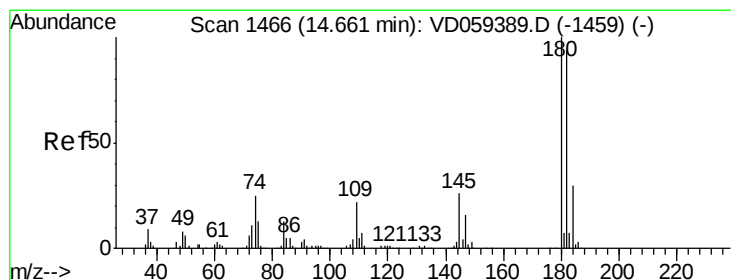
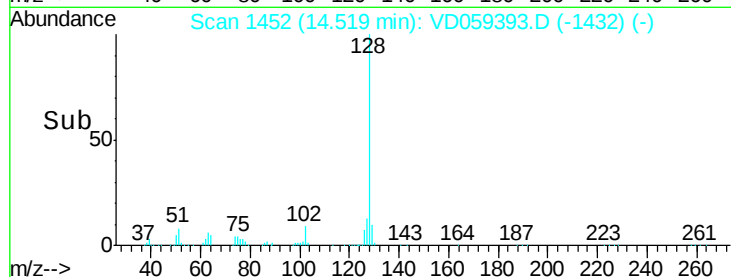
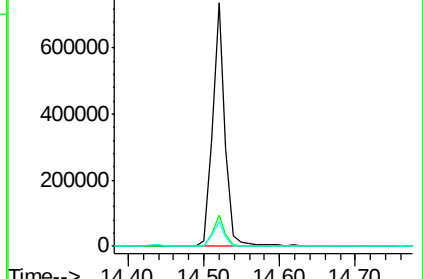
129 10.2 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.02 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

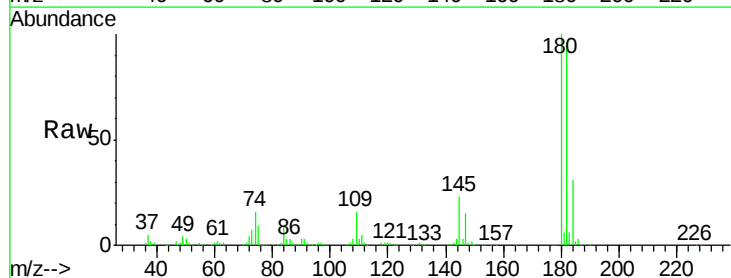
Tgt Ion:180 Resp: 544255

Ion Ratio Lower Upper

180 100

182 96.4 47.1 141.4

145 23.4 13.1 39.3



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

