

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\
 Data File : VD063428.D
 Acq On : 7 Aug 2019 19:13
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 08 08:07:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	829761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1094574	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	948905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	559282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	478312	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	6.92	113	521850	55.84	ug/l	0.00
Spiked Amount			Recovery	=	111.68%	
50) Toluene-d8	10.41	98	1077000	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	13.55	95	502592	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	405568	39.986	ug/l	96
3) Chloromethane	1.74	50	321044	40.740	ug/l	92
4) Vinyl Chloride	1.84	62	321118	39.363	ug/l	92
5) Bromomethane	2.14	94	173783	42.238	ug/l	96
6) Chloroethane	2.26	64	169662	45.046	ug/l	92
7) Trichlorofluoromethane	2.53	101	688530	43.506	ug/l	98
8) Diethyl Ether	2.86	74	94921	42.855	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	414419	47.272	ug/l	95
10) Methyl Iodide	3.29	142	512765	40.488	ug/l	99
11) Tert butyl alcohol	4.07	59	77491	191.787	ug/l	95
12) 1,1-Dichloroethene	3.12	96	305494	47.467	ug/l	84
13) Acrolein	3.03	56	65663	168.862	ug/l	92
14) Allyl chloride	3.61	41	456149	44.491	ug/l	84
15) Acrylonitrile	4.19	53	214305	204.582	ug/l	91
16) Acetone	3.22	43	379843	211.744	ug/l	100
17) Carbon Disulfide	3.36	76	853403	39.616	ug/l	97
18) Methyl Acetate	3.64	43	147050	42.676	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	619893	42.640	ug/l	98
20) Methylene Chloride	3.81	84	303283	41.826	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	302892	41.944	ug/l	94
22) Diisopropyl ether	5.12	45	908692	44.362	ug/l	95
23) Vinyl Acetate	5.05	43	2845900	226.019	ug/l	99
24) 1,1-Dichloroethane	4.98	63	580373	44.357	ug/l	97
25) 2-Butanone	6.07	43	404606	224.742	ug/l	99
26) 2,2-Dichloropropane	6.02	77	601038	44.575	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	348345	44.992	ug/l	87
28) Bromochloromethane	6.44	49	231552	44.418	ug/l #	98
29) Tetrahydrofuran	6.45	42	194193	227.831	ug/l	99
30) Chloroform	6.66	83	762409	46.954	ug/l	96
31) Cyclohexane	6.95	56	338087	41.224	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	783746	49.901	ug/l	98
36) 1,1-Dichloropropene	7.14	75	451749	45.223	ug/l	96
37) Ethyl Acetate	6.18	43	192344	42.859	ug/l #	94
38) Carbon Tetrachloride	7.10	117	812754	54.044	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	370404	44.505	ug/l	93
40) Benzene	7.45	78	1006561	48.078	ug/l	98
41) Methacrylonitrile	6.45	41	267550	49.839	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	570249	51.394	ug/l	99
43) Isopropyl Acetate	9.24	43	277910	48.478	ug/l #	94
44) Trichloroethene	8.54	130	400515	47.211	ug/l	93
45) 1,2-Dichloropropane	8.94	63	240188	45.137	ug/l	98
46) Dibromomethane	9.06	93	213333	48.215	ug/l	98
47) Bromodichloromethane	9.38	83	574165	50.906	ug/l	100
48) Methyl methacrylate	9.12	41	181750	48.884	ug/l	96
49) 1,4-Dioxane	9.08	88	28867	916.189	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	948165	243.199	ug/l	98
52) Toluene	10.51	92	679172	48.775	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	448346	46.108	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	497756	48.706	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	244973	52.091	ug/l	97
56) Ethyl methacrylate	11.04	69	250812	48.705	ug/l	95
57) 1,3-Dichloropropane	11.41	76	346729	46.794	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	691505	258.065	ug/l	96
59) 2-Hexanone	11.53	43	687373	244.653	ug/l	93
60) Dibromochloromethane	11.68	129	454552	51.200	ug/l	96
61) 1,2-Dibromoethane	11.81	107	288552	49.725	ug/l	94
64) Tetrachloroethene	11.26	164	352860	46.677	ug/l	97
65) Chlorobenzene	12.40	112	869862	47.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	405339	50.417	ug/l	95
67) Ethyl Benzene	12.53	91	1470554	47.429	ug/l	98
68) m/p-Xylenes	12.67	106	1075209	94.560	ug/l	96
69) o-Xylene	13.05	106	490007	46.928	ug/l	100
70) Styrene	13.07	104	853031	46.066	ug/l	95
71) Bromoform	13.24	173	269144	46.034	ug/l	97
73) Isopropylbenzene	13.40	105	1657891	47.230	ug/l	98
74) N-amyl acetate	13.27	43	392162	42.261	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	258400	43.337	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	289866	43.150	ug/l	99
77) Bromobenzene	13.67	156	433989	43.401	ug/l	91
78) n-propylbenzene	13.78	91	1776112	42.519	ug/l	97
79) 2-Chlorotoluene	13.84	91	1061408	43.852	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1372727	45.341	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	77963	41.795	ug/l	86
82) 4-Chlorotoluene	13.95	91	1308087	45.921	ug/l	91
83) tert-Butylbenzene	14.19	119	1507665	43.613	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1338073	42.729	ug/l	97
85) sec-Butylbenzene	14.37	105	1548968	42.529	ug/l	99
86) p-Isopropyltoluene	14.49	119	1495259	43.014	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	774978	43.763	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	778037	43.449	ug/l	94
89) n-Butylbenzene	14.80	91	1394352	46.442	ug/l	99
90) Hexachloroethane	15.01	117	392204	43.305	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	691441	44.814	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	56435	46.466	ug/l	80

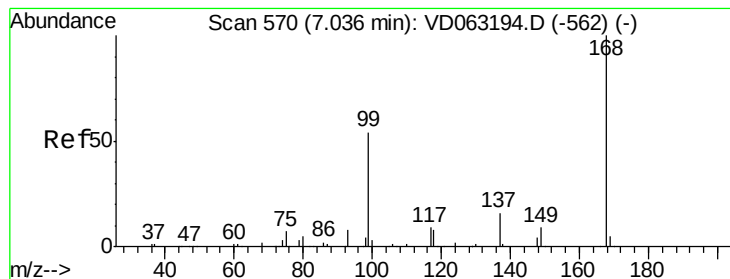
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	515197	42.091	ug/l	97
94) Hexachlorobutadiene	16.04	225	389135	43.871	ug/l	98
95) Naphthalene	16.12	128	732420	42.337	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	406310	42.020	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

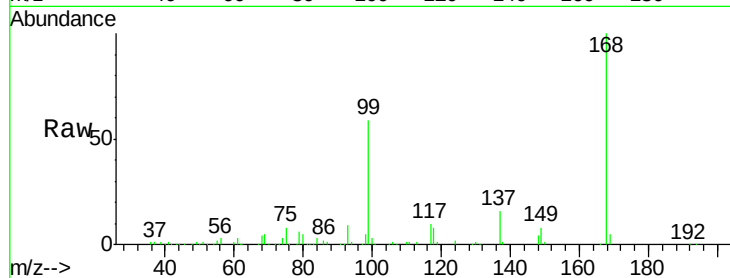
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 829761

Ion Ratio Lower Upper

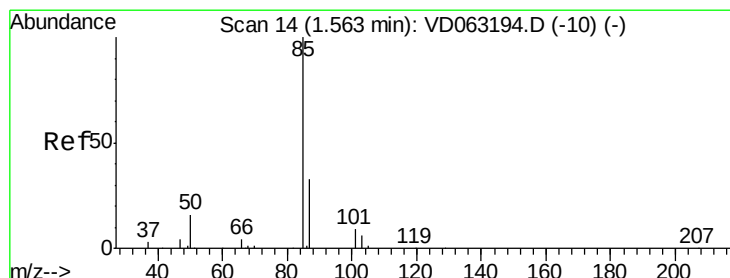
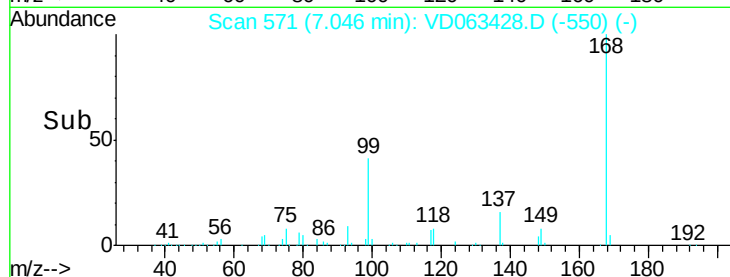
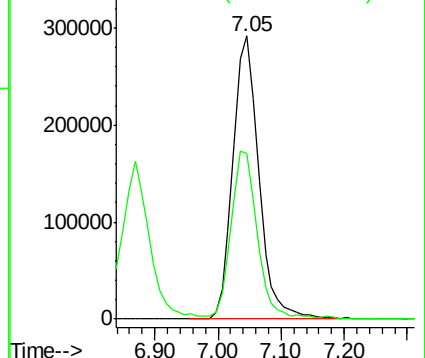
168 100

99 58.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 39.986 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063428.D

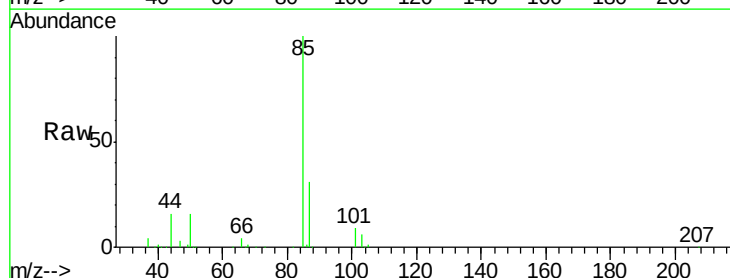
Acq: 7 Aug 2019 19:13

Tgt Ion: 85 Resp: 405568

Ion Ratio Lower Upper

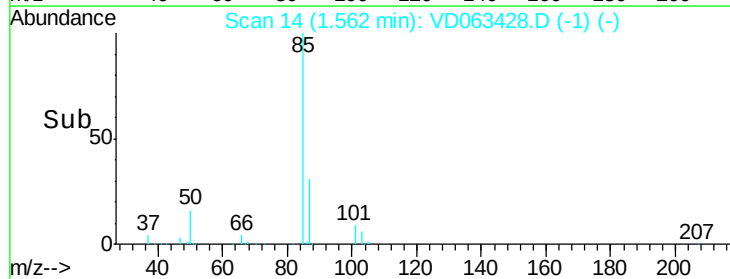
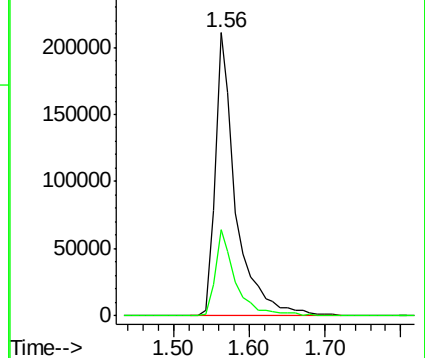
85 100

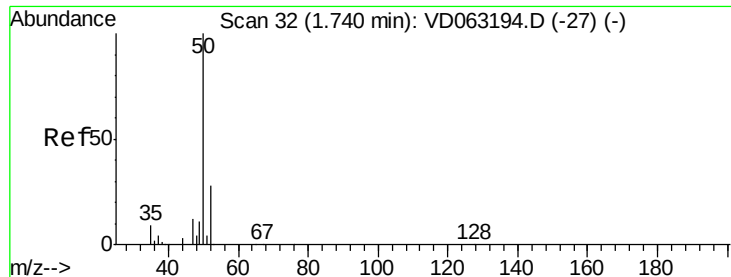
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.740 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

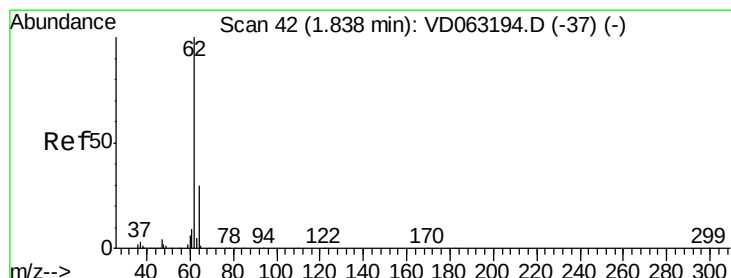
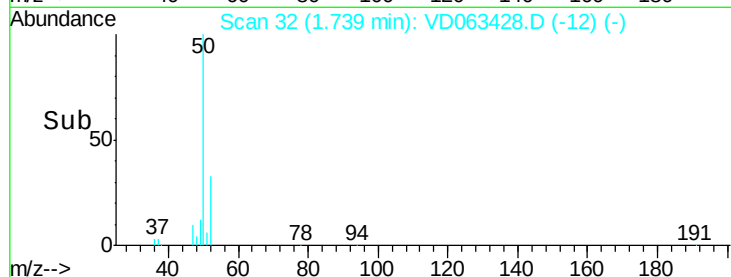
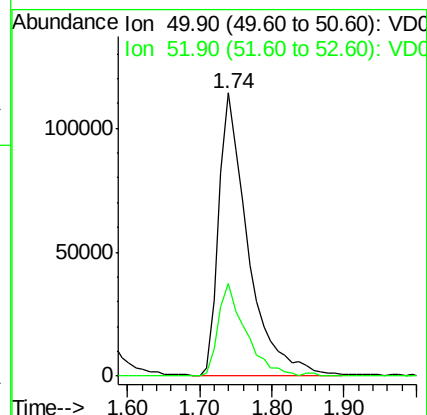
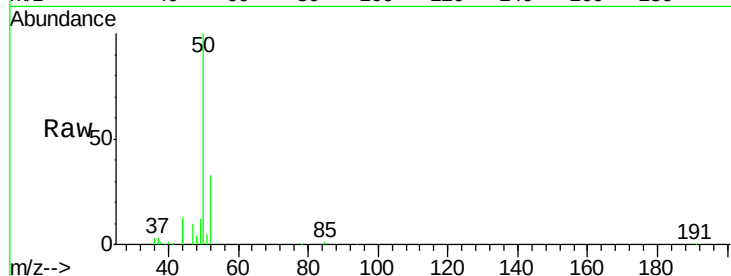
VSTDCCC050EC

Tot Ion: 50 Resp: 321044

Ion Ratio Lower Upper

50 100

52 32.7 22.6 34.0



#4

Vinyl Chloride

Concen: 39.363 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063428.D

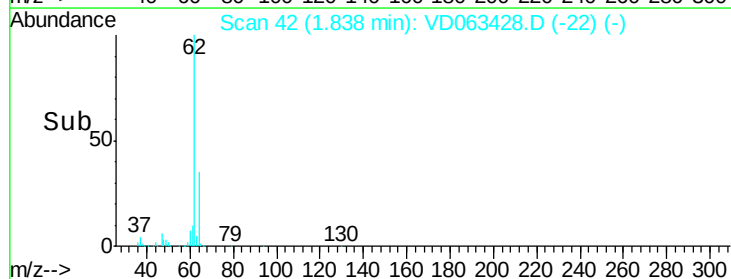
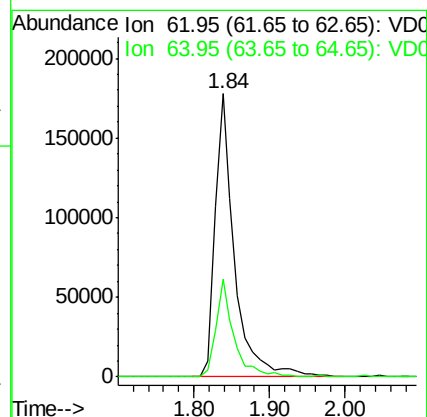
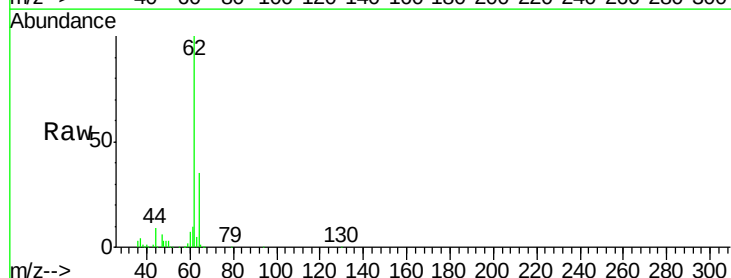
Acq: 7 Aug 2019 19:13

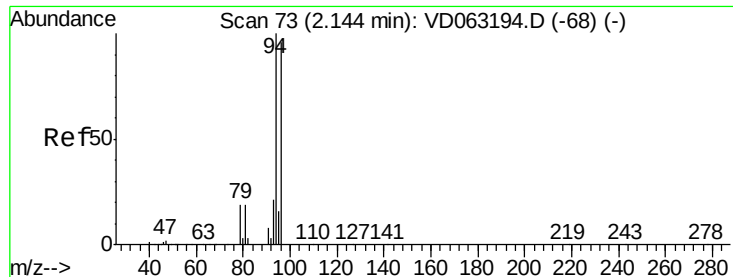
Tgt Ion: 62 Resp: 321118

Ion Ratio Lower Upper

62 100

64 34.6 24.1 36.1





#5

Bromomethane

Concen: 42.238 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

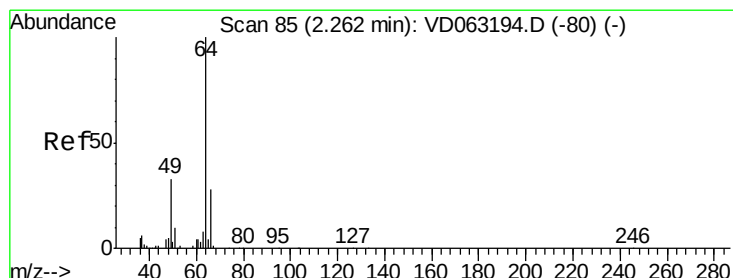
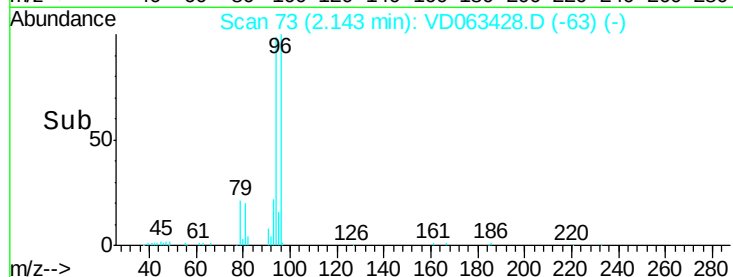
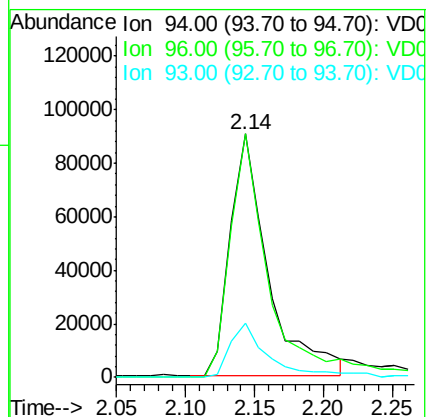
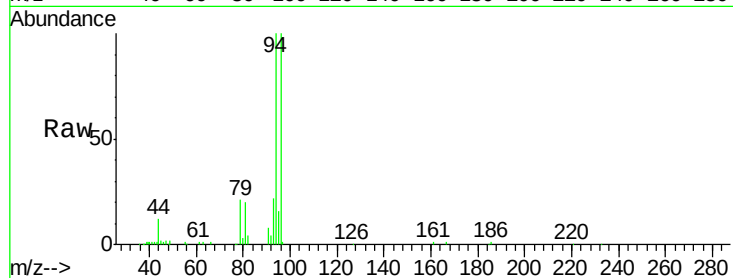
Tot Ion: 94 Resp: 173783

Ion Ratio Lower Upper

94 100

96 100.1 76.4 114.6

93 22.3 17.3 25.9



#6

Chloroethane

Concen: 45.046 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063428.D

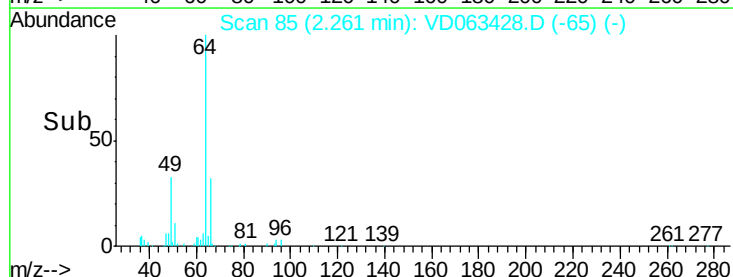
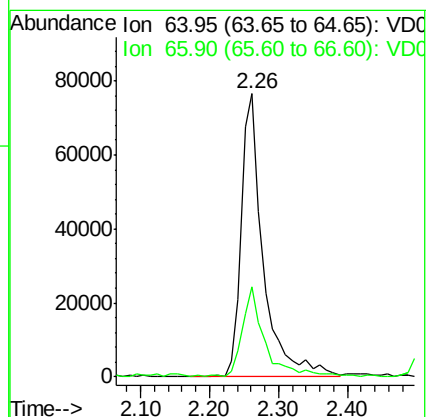
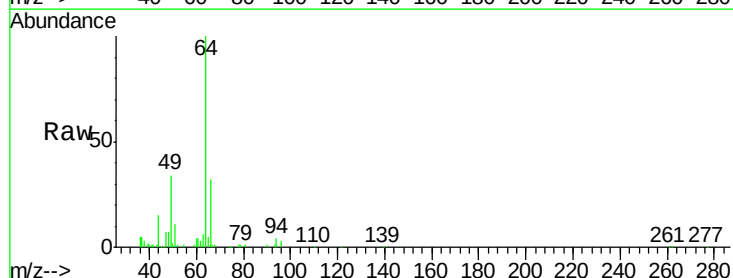
Acq: 7 Aug 2019 19:13

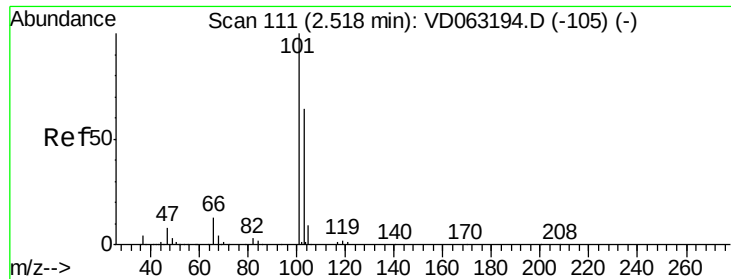
Tgt Ion: 64 Resp: 169662

Ion Ratio Lower Upper

64 100

66 31.8 22.2 33.2



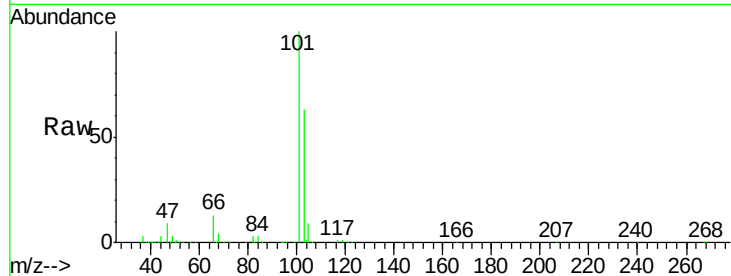


#7

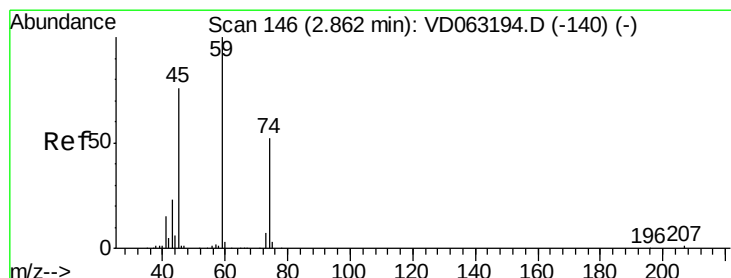
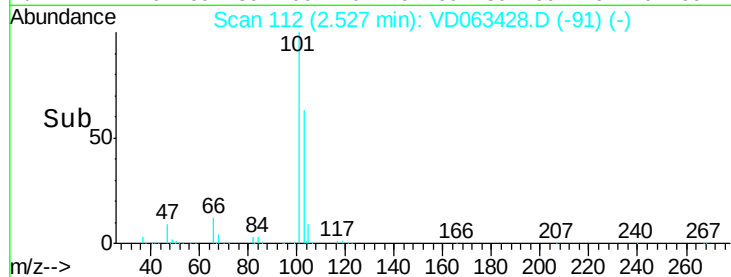
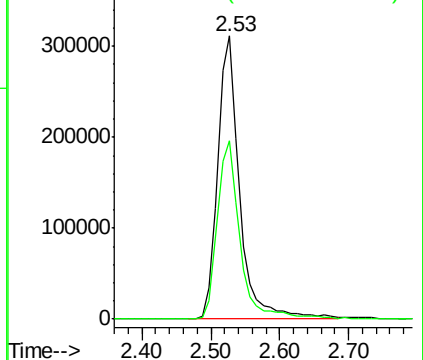
Trichlorofluoromethane
 Concen: 43.506 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 688530
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.5 77.3



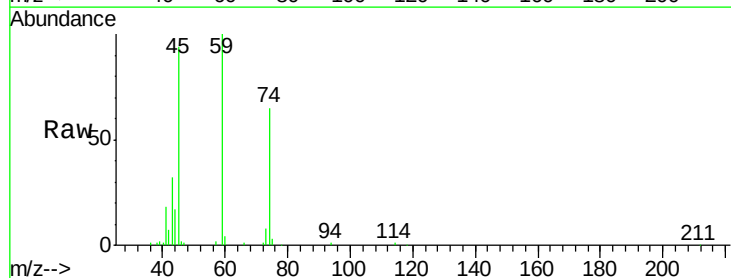
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



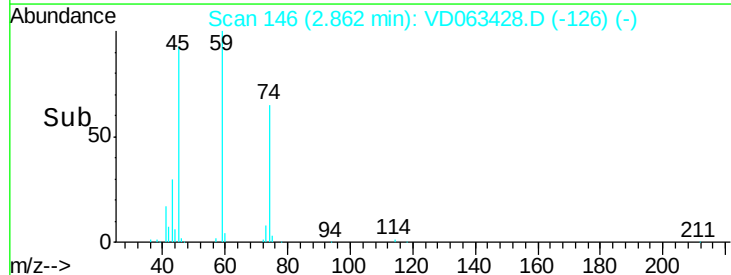
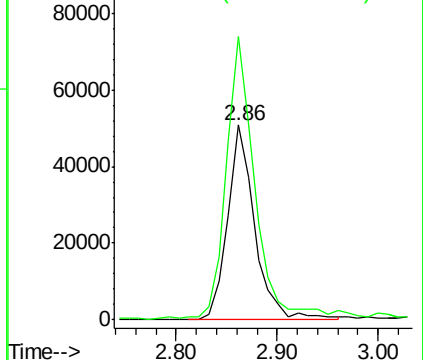
#8

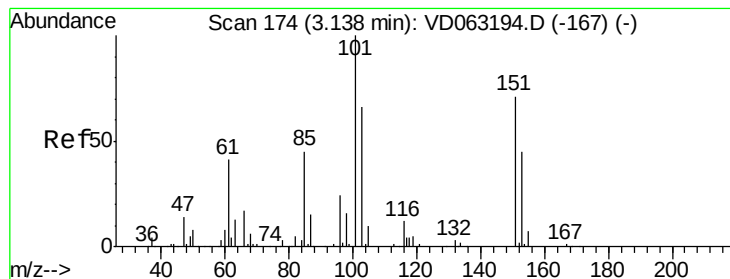
Diethyl Ether
 Concen: 42.855 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 74 Resp: 94921
 Ion Ratio Lower Upper
 74 100
 45 145.1 73.6 220.8



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: 47.272 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

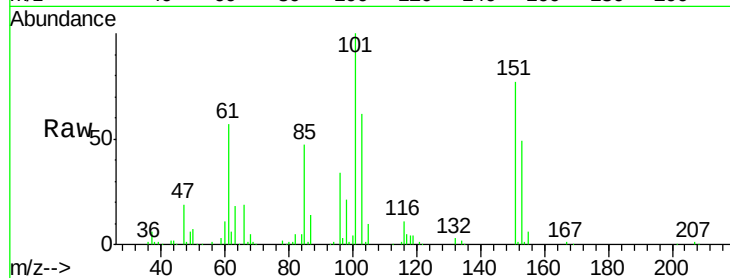
Tot Ion:101 Resp: 414419

Ion Ratio Lower Upper

101 100

85 47.2 36.1 54.1

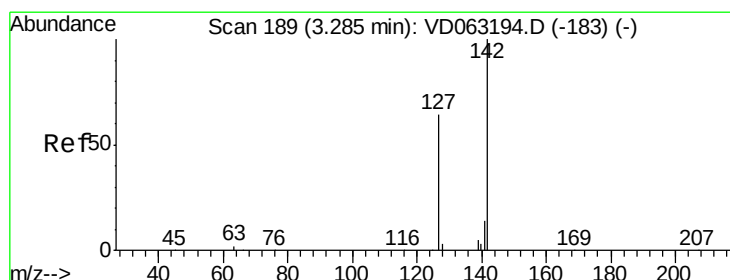
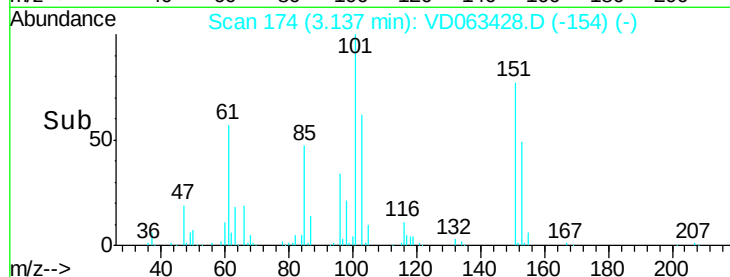
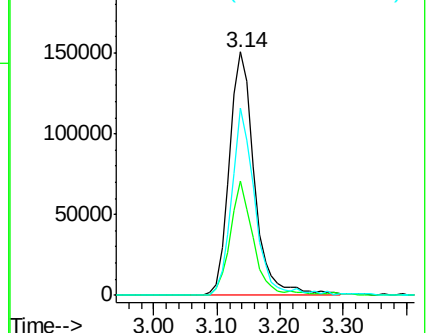
151 77.0 57.1 85.7



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: 40.488 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

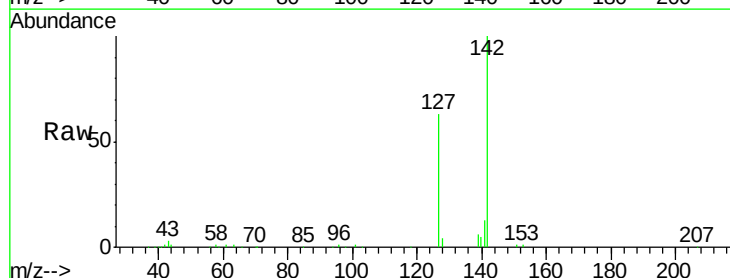
Tgt Ion:142 Resp: 512765

Ion Ratio Lower Upper

142 100

127 62.7 50.8 76.2

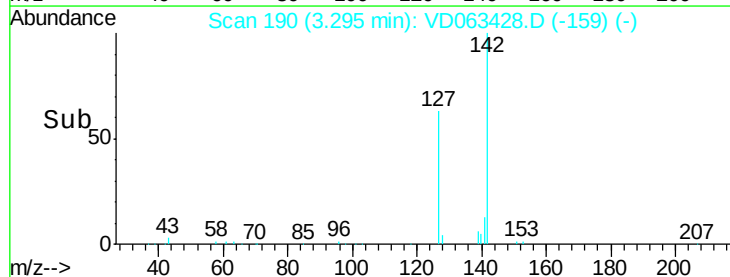
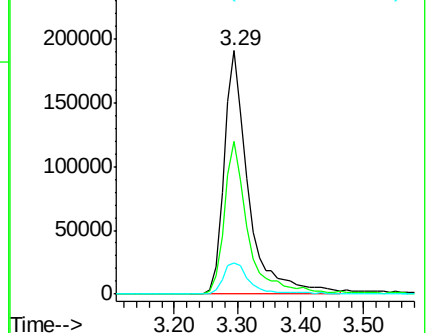
141 13.0 11.4 17.2

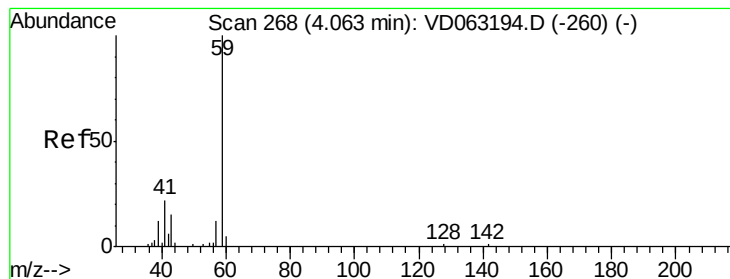


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 191.787 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

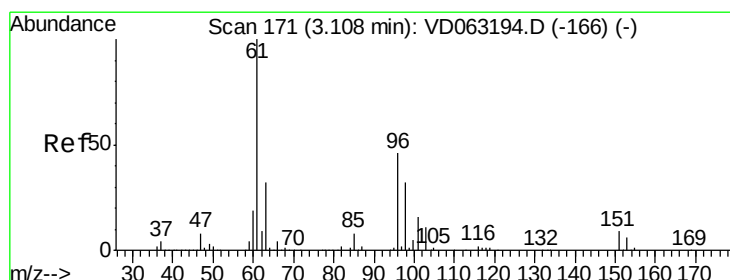
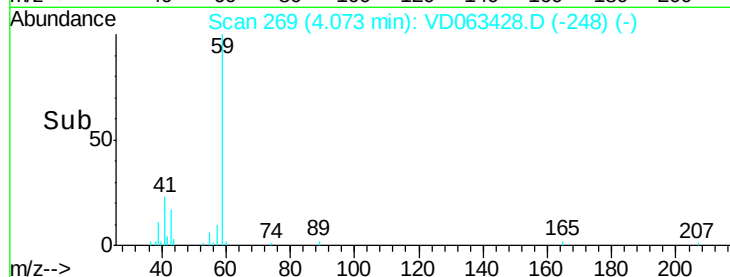
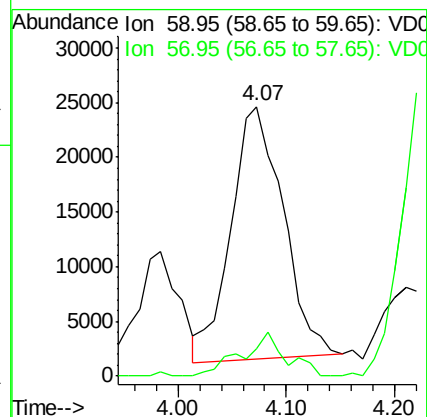
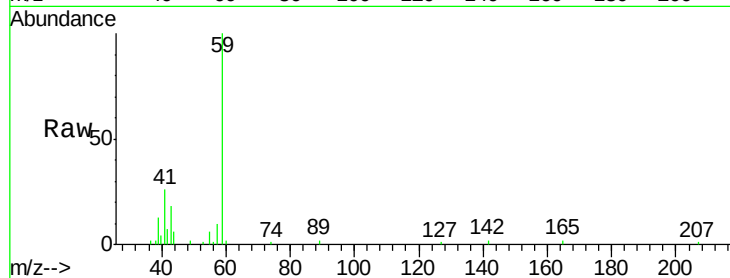
VSTDCCC050EC

Tot Ion: 59 Resp: 77491

Ion Ratio Lower Upper

59 100

57 9.9 9.6 14.4



#12

1,1-Dichloroethene

Concen: 47.467 ug/l

RT: 3.12 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

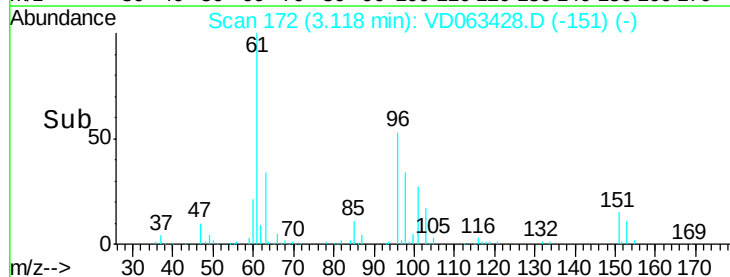
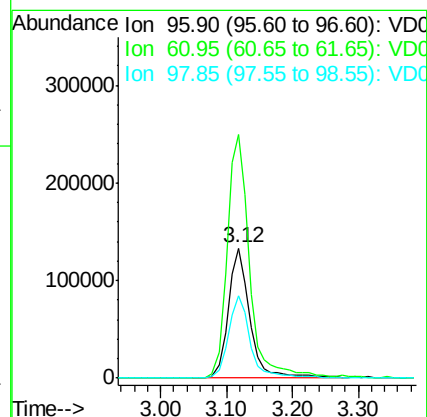
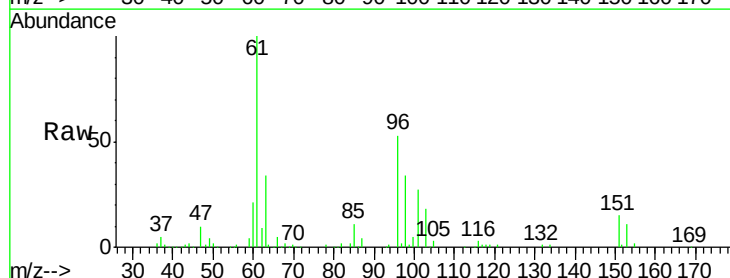
Tgt Ion: 96 Resp: 305494

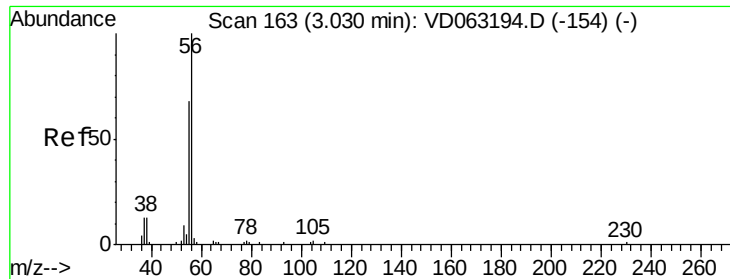
Ion Ratio Lower Upper

96 100

61 187.0 173.7 260.5

98 63.0 55.8 83.8





#13

Acrolein

Concen: 168.862 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

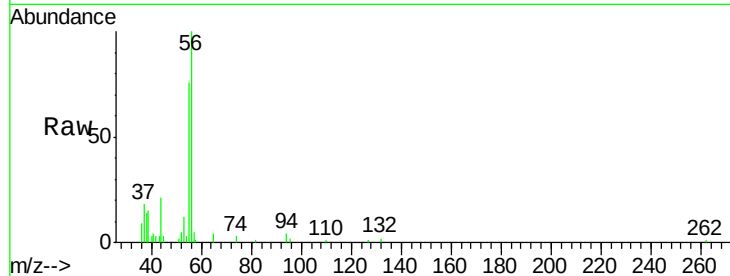
VSTDCCC050EC

Tot Ion: 56 Resp: 65663

Ion Ratio Lower Upper

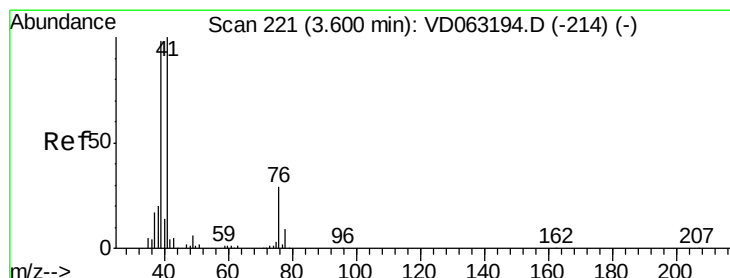
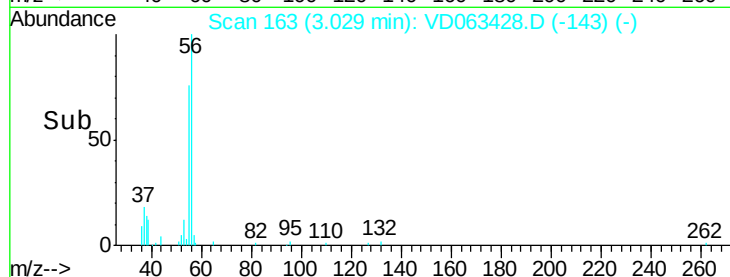
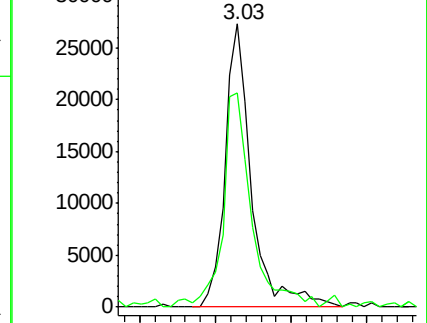
56 100

55 75.6 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.491 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

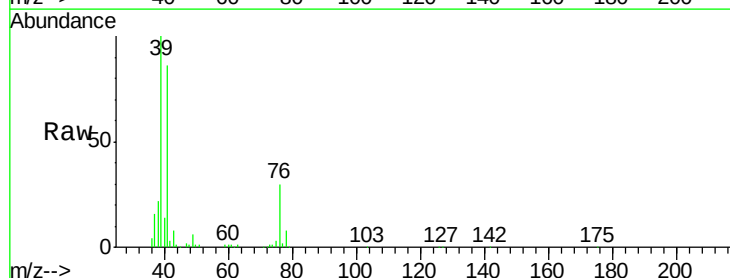
Tgt Ion: 41 Resp: 456149

Ion Ratio Lower Upper

41 100

39 115.9 78.6 117.8

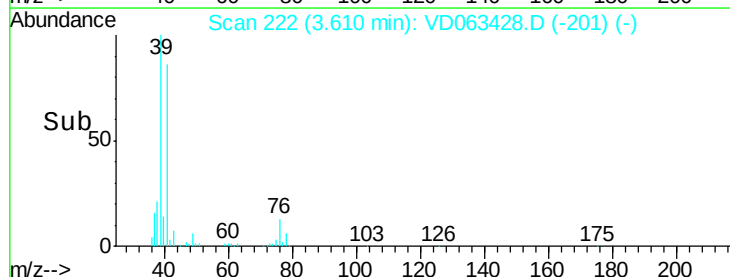
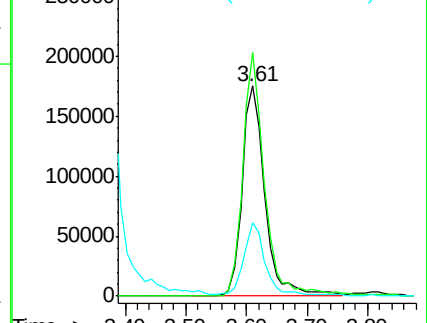
76 35.1 24.5 36.7

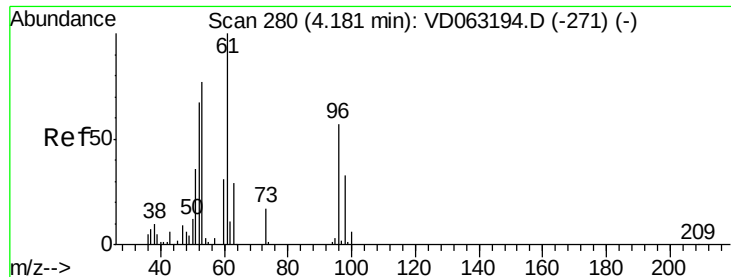


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 204.582 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

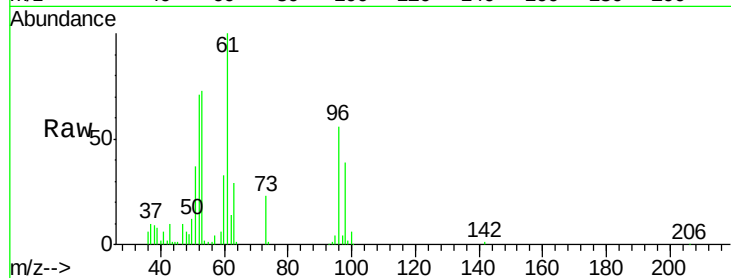
Tot Ion: 53 Resp: 214305

Ion Ratio Lower Upper

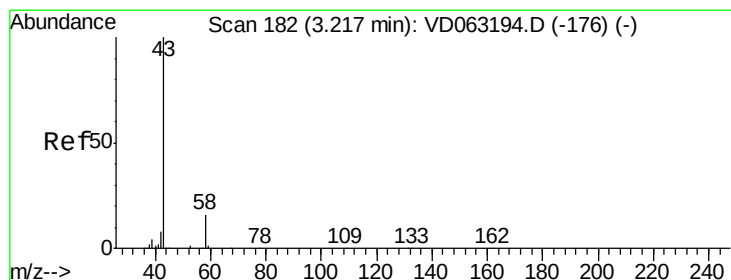
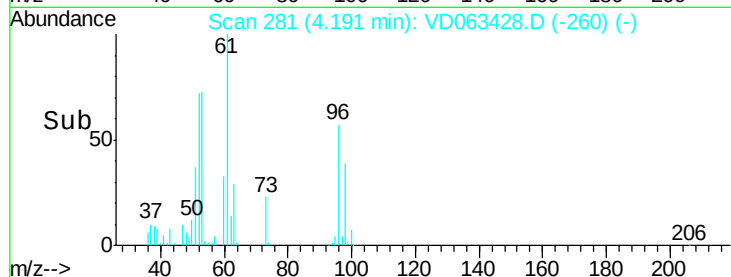
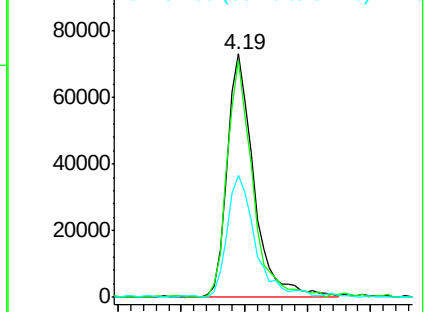
53 100

52 97.7 69.7 104.5

51 50.2 37.4 56.0



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: 211.744 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063428.D

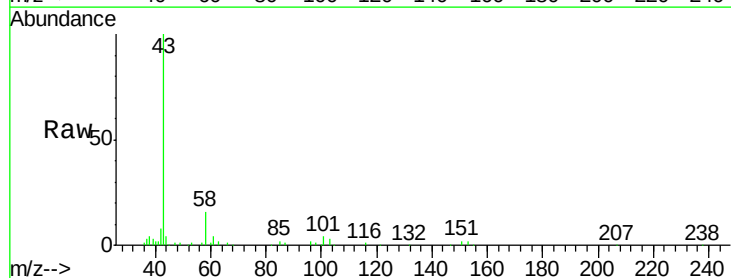
Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 379843

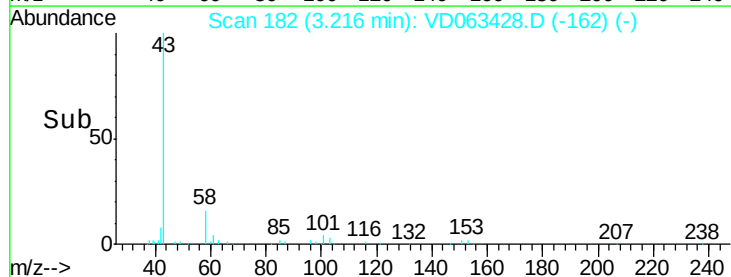
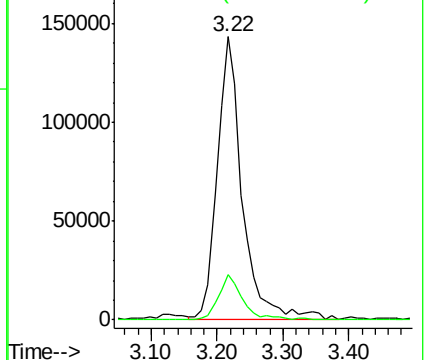
Ion Ratio Lower Upper

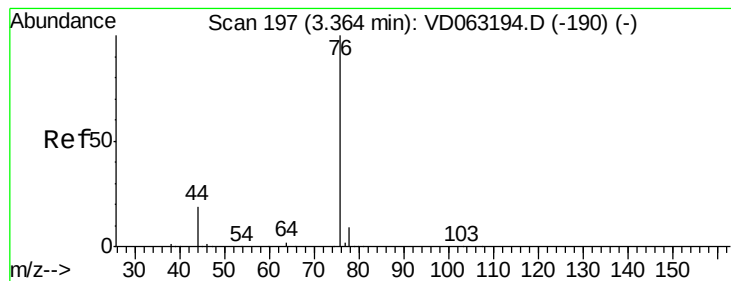
43 100

58 16.1 13.0 19.4



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





#17

Carbon Disulfide

Concen: 39.616 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

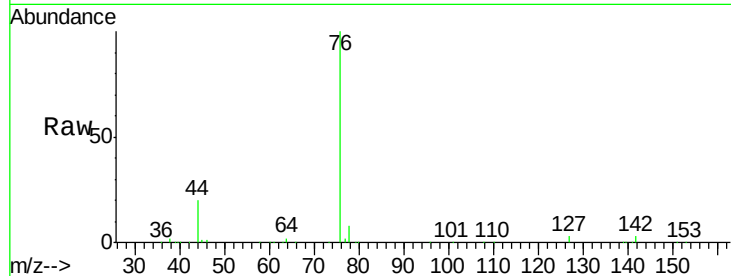
VSTDCCC050EC

Tot Ion: 76 Resp: 853403

Ion Ratio Lower Upper

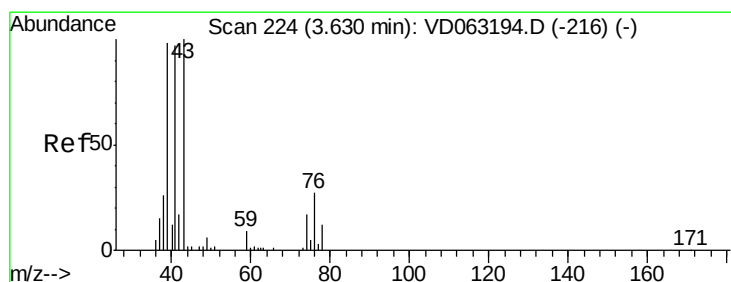
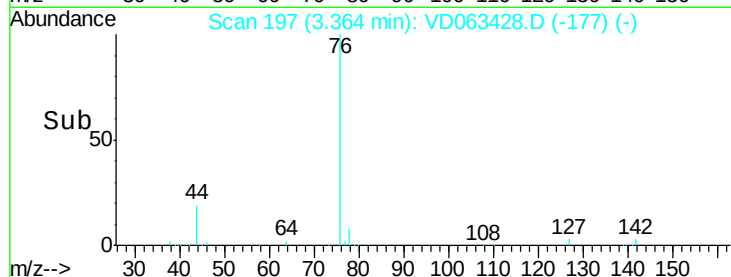
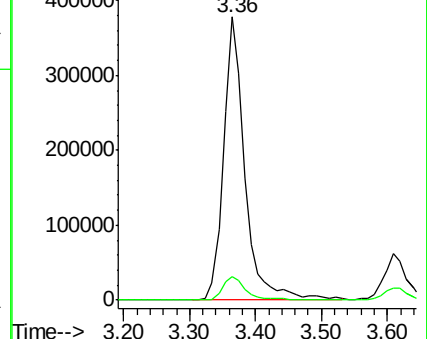
76 100

78 8.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 42.676 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063428.D

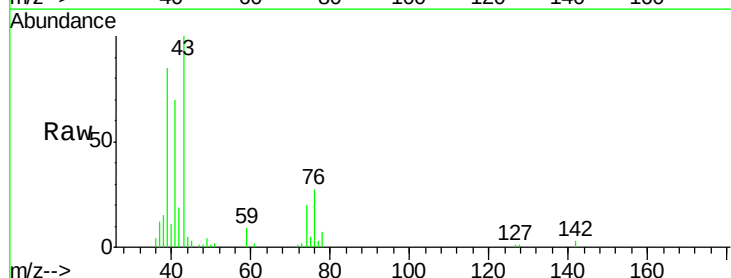
Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 147050

Ion Ratio Lower Upper

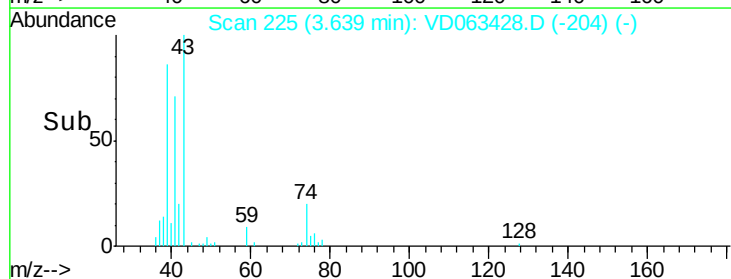
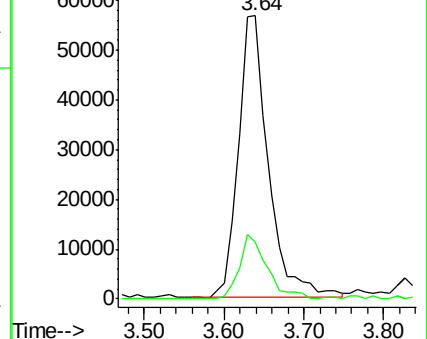
43 100

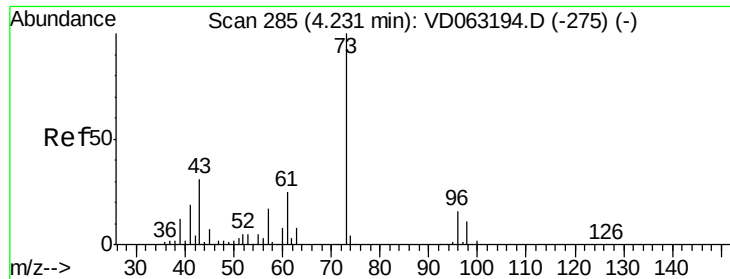
74 20.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



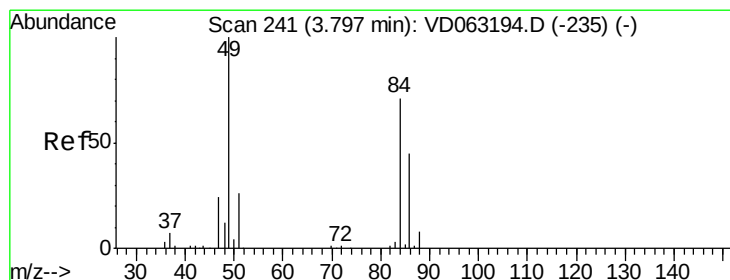
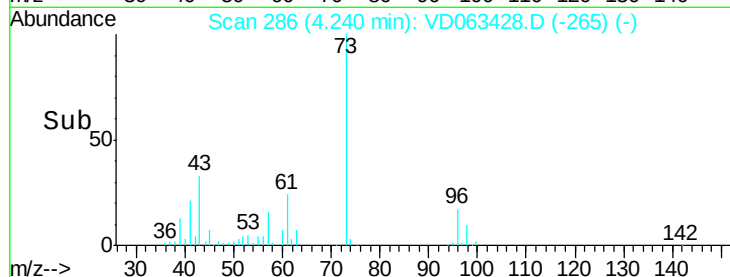
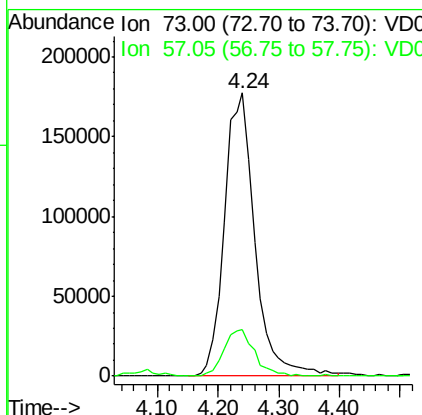
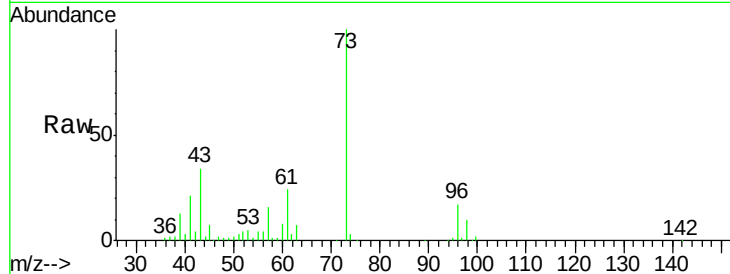


#19

Methyl tert-butyl Ether
 Concen: 42.640 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

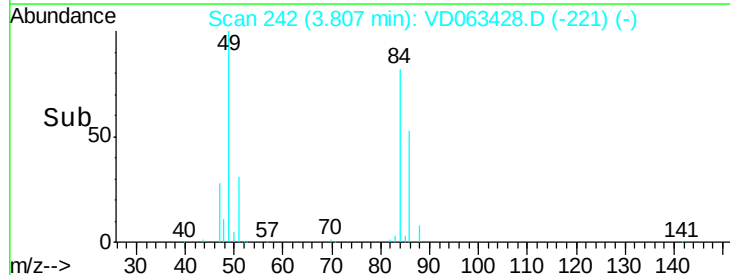
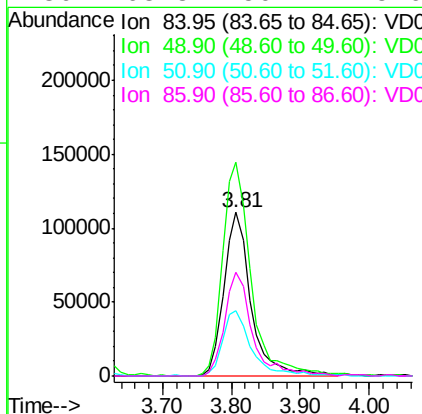
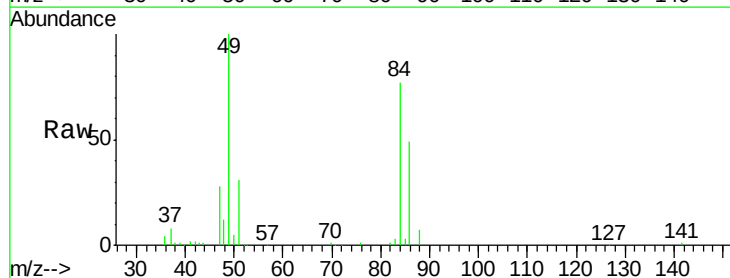
Tot Ion: 73 Resp: 619893
 Ion Ratio Lower Upper
 73 100
 57 16.4 13.8 20.6

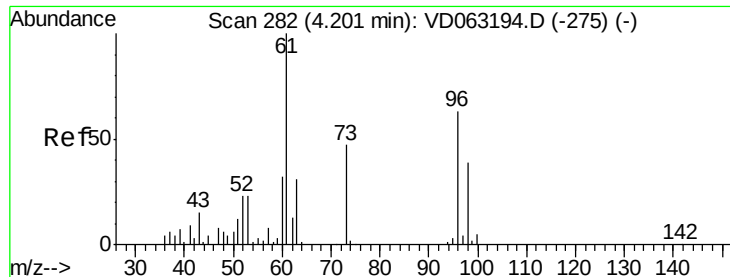


#20

Methylene Chloride
 Concen: 41.826 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 84 Resp: 303283
 Ion Ratio Lower Upper
 84 100
 49 130.6 112.5 168.7
 51 40.2 29.6 44.4
 86 63.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 41.944 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

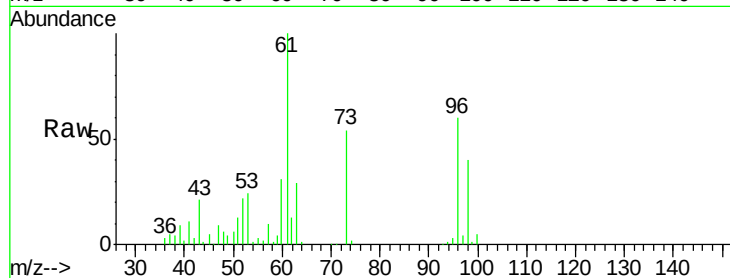
Tot Ion: 96 Resp: 302892

Ion Ratio Lower Upper

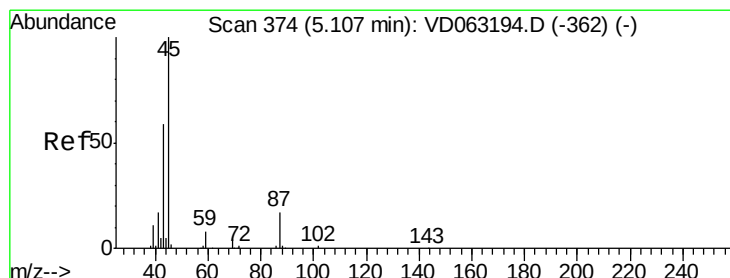
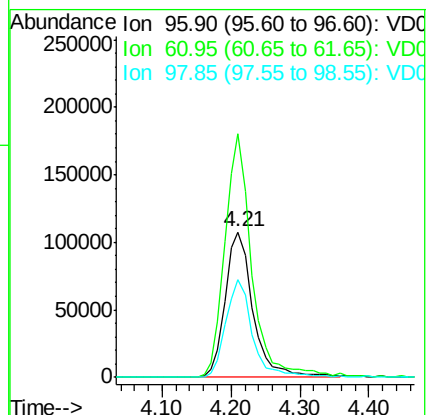
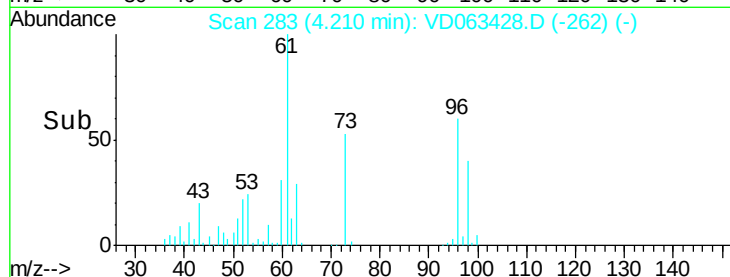
96 100

61 167.3 127.4 191.2

98 67.0 49.3 73.9



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: 44.362 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Tgt Ion: 45 Resp: 908692

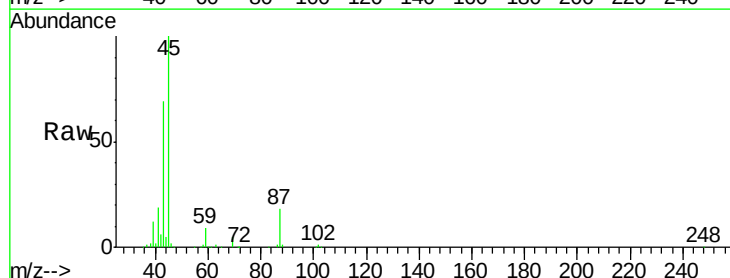
Ion Ratio Lower Upper

45 100

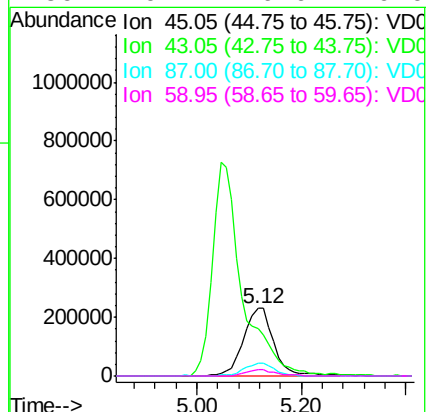
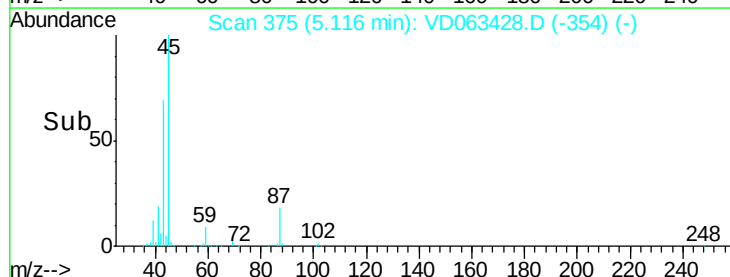
43 69.4 51.7 77.5

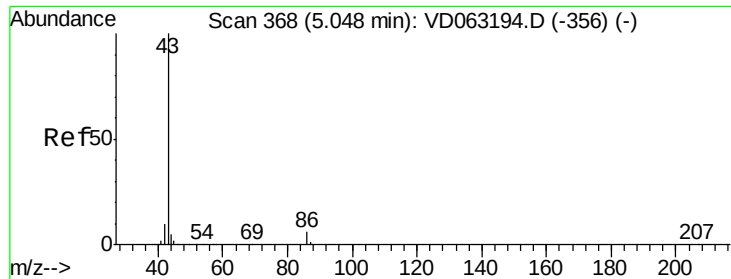
87 18.4 14.6 21.8

59 9.4 6.6 10.0



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: 226.019 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

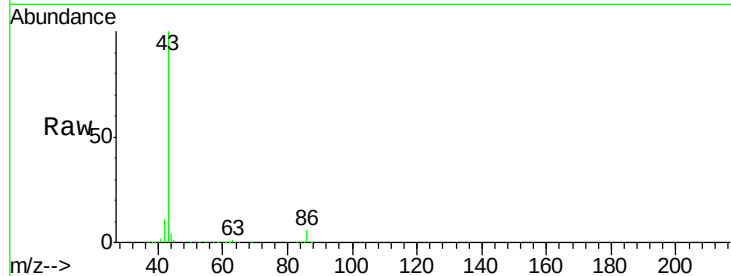
VSTDCCC050EC

Tot Ion: 43 Resp: 2845900

Ion Ratio Lower Upper

43 100

86 5.6 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

600000

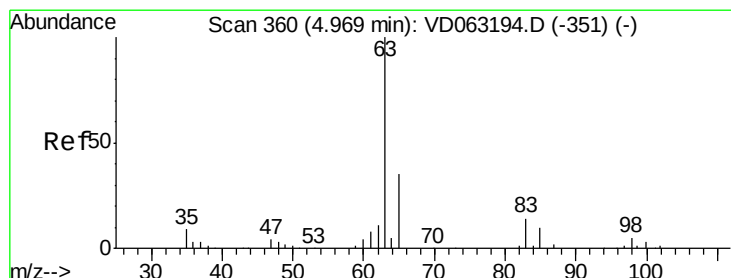
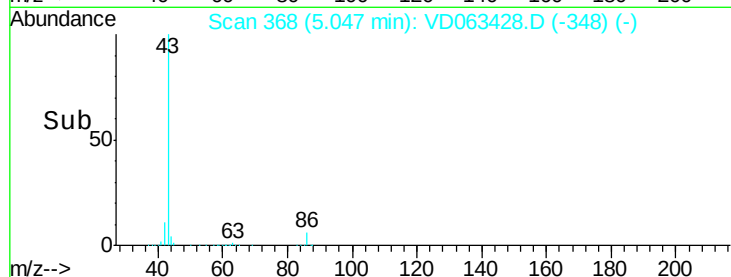
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 44.357 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

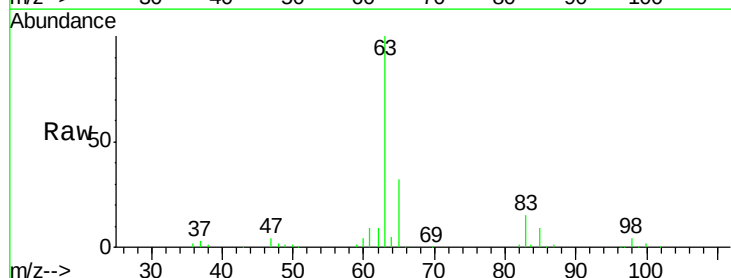
Tgt Ion: 63 Resp: 580373

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

100 2.4 1.3 3.9



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

200000

150000

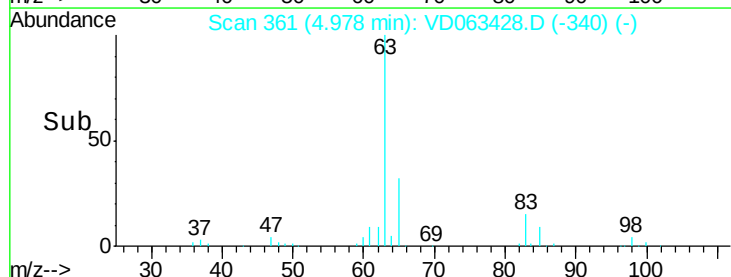
100000

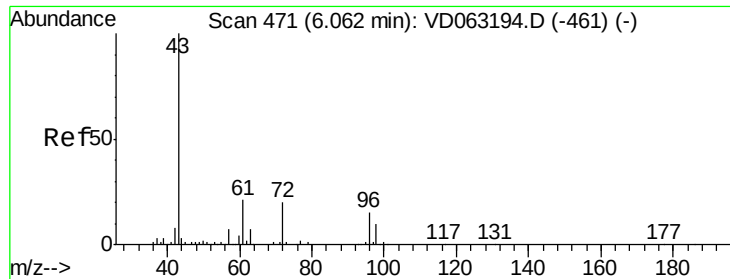
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 224.742 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

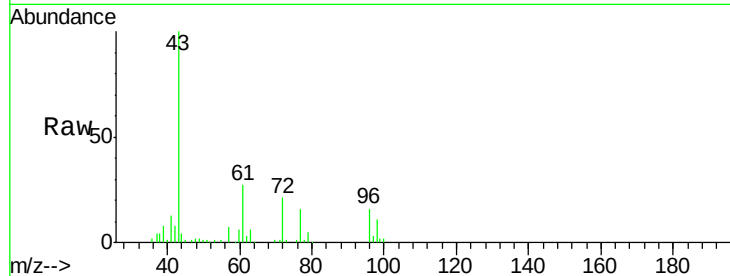
VSTDCCC050EC

Tot Ion: 43 Resp: 404606

Ion Ratio Lower Upper

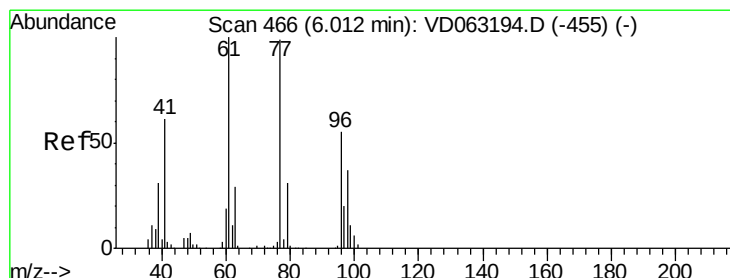
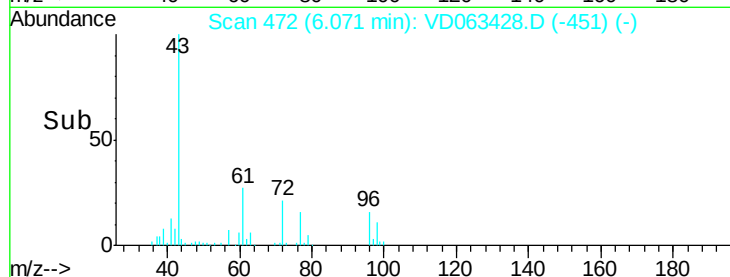
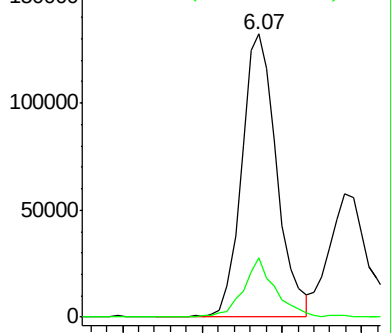
43 100

72 21.1 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.575 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063428.D

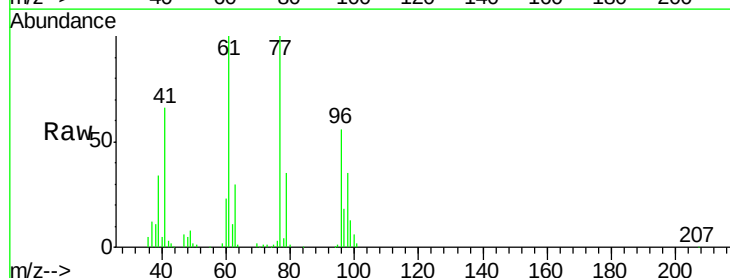
Acq: 7 Aug 2019 19:13

Tgt Ion: 77 Resp: 601038

Ion Ratio Lower Upper

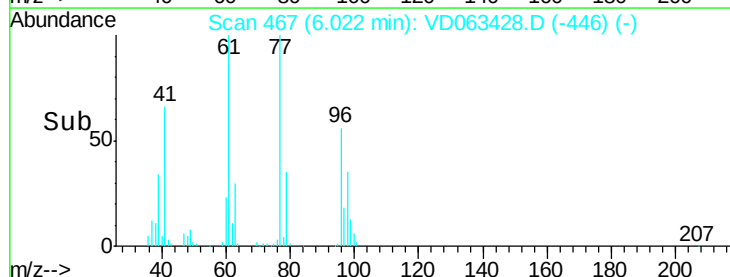
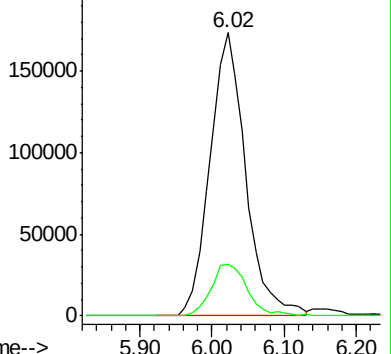
77 100

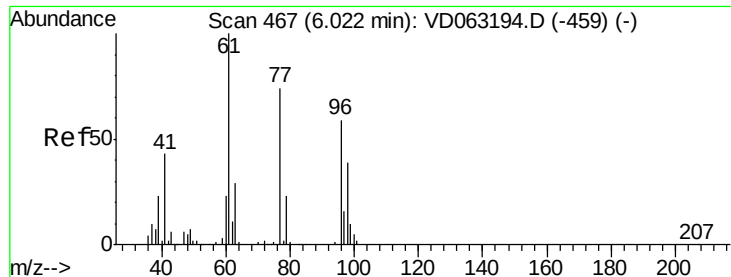
97 18.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



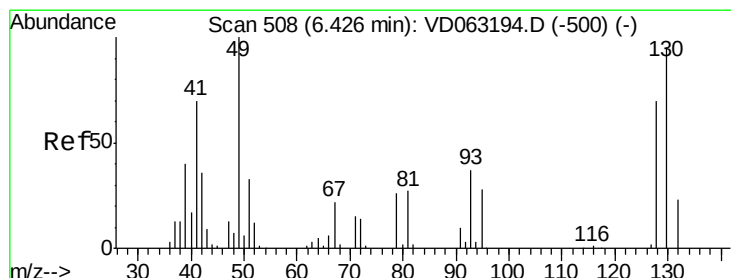
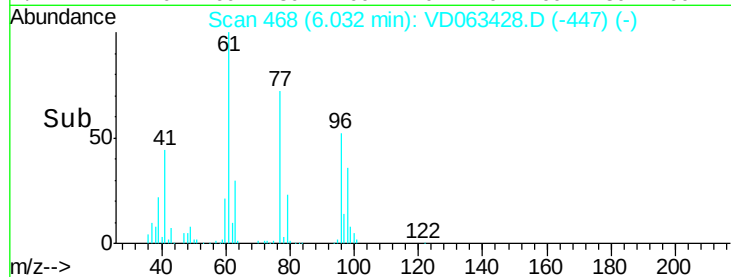
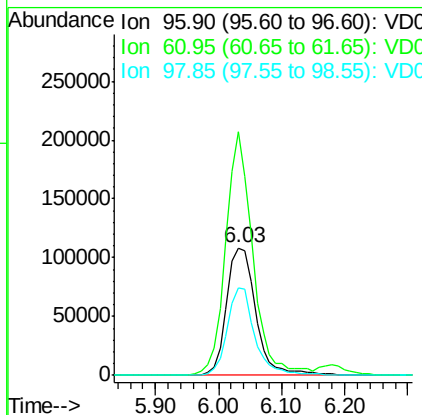
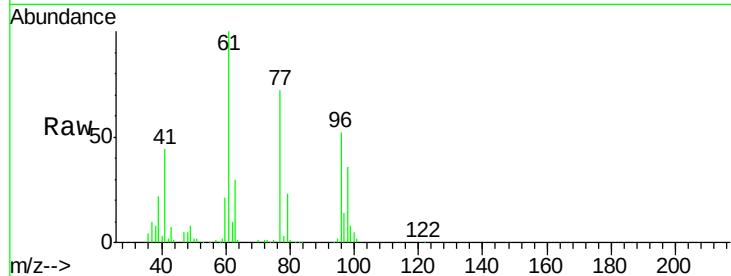


#27

cis-1,2-Dichloroethene
Concen: 44.992 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

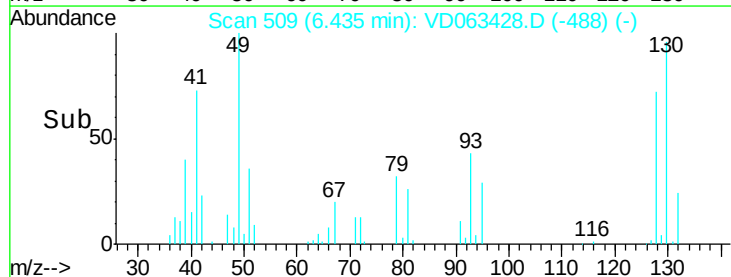
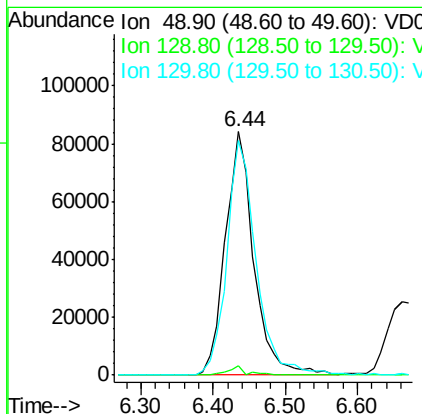
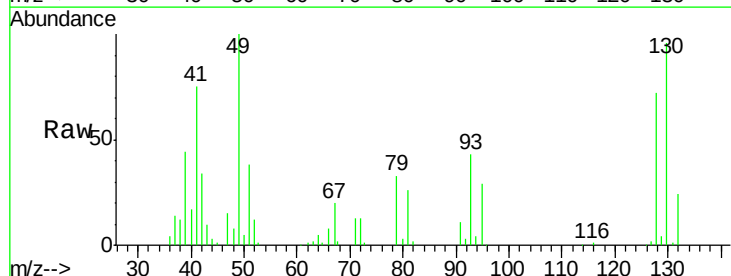
Tot Ion	96	Resp	348345
Ion Ratio	Lower	Upper	
96	100		
61	190.6	0.0	337.2
98	68.6	0.0	130.6

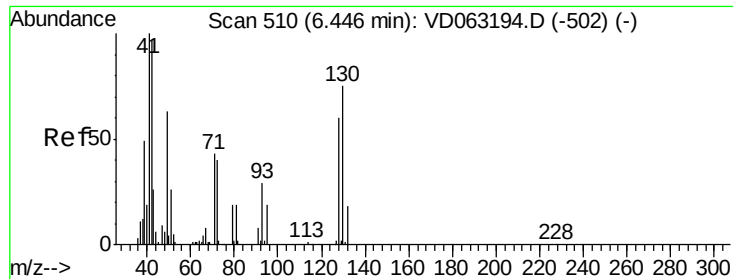


#28

Bromochloromethane
Concen: 44.418 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion	49	Resp	231552
Ion Ratio	Lower	Upper	
49	100		
129	3.7	0.0	0.0#
130	96.2	75.7	113.5

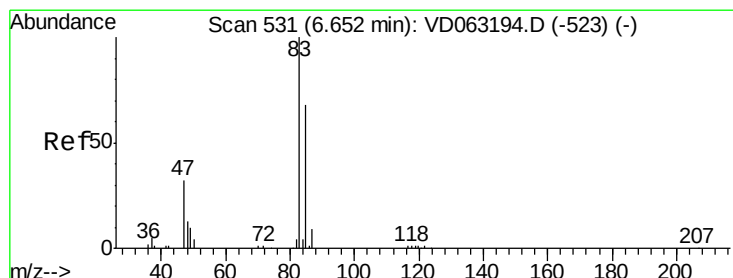
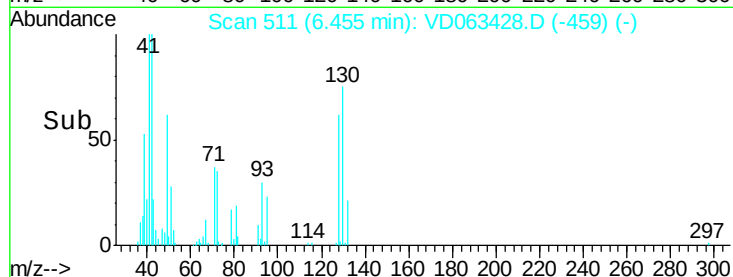
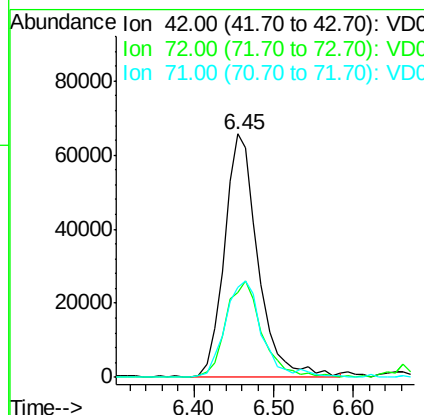
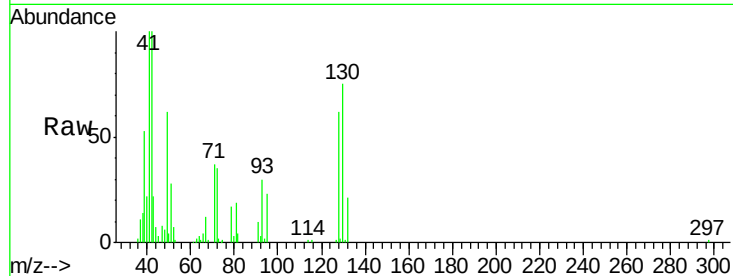




#29
Tetrahydrofuran
Concen: 227.831 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

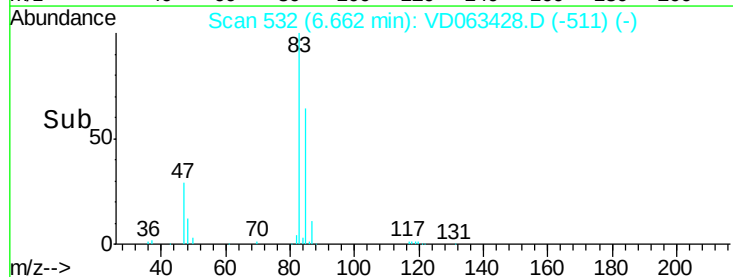
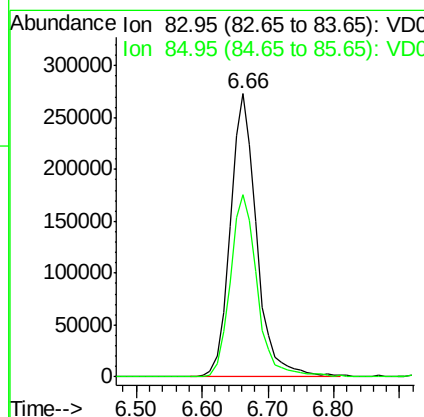
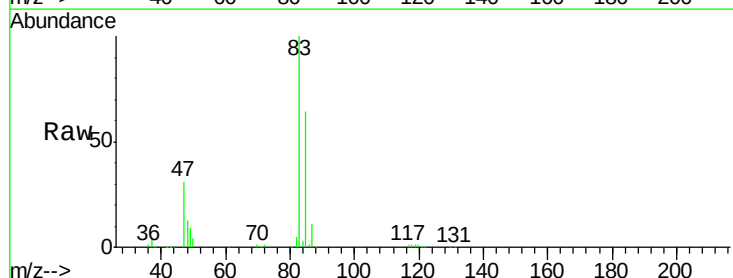
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

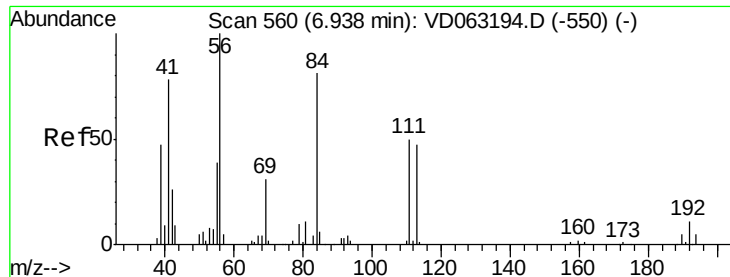
Tot Ion: 42 Resp: 194193
Ion Ratio Lower Upper
42 100
72 42.6 33.4 50.2
71 43.5 35.7 53.5



#30
Chloroform
Concen: 46.954 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 83 Resp: 762409
Ion Ratio Lower Upper
83 100
85 64.3 54.2 81.4

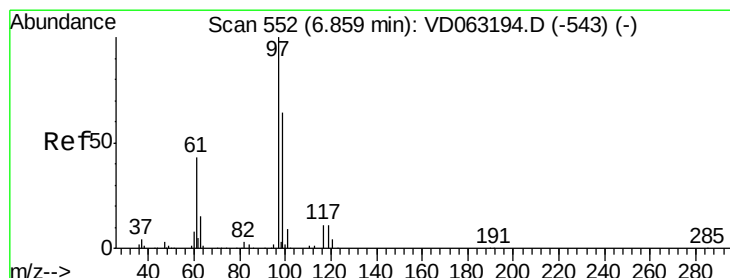
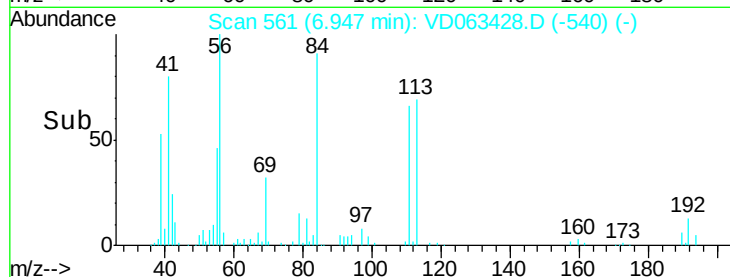
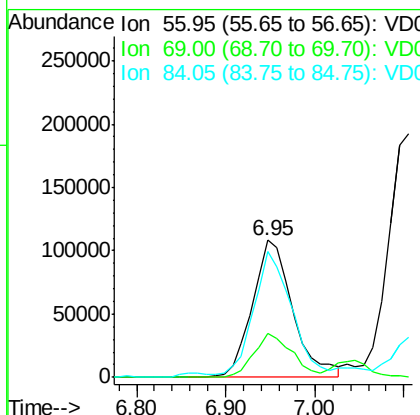
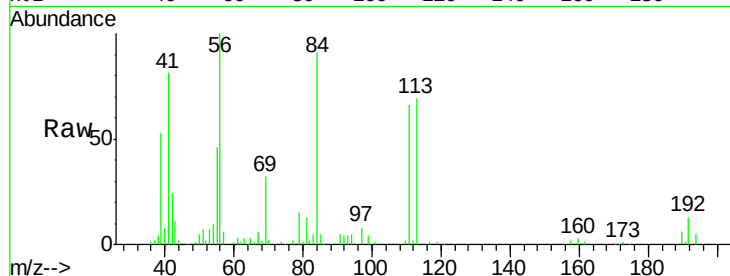




#31
Cyclohexane
Concen: 41.224 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

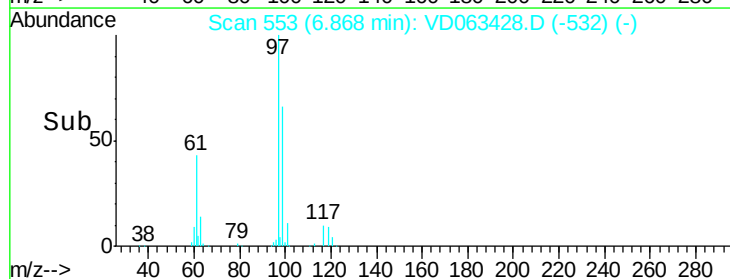
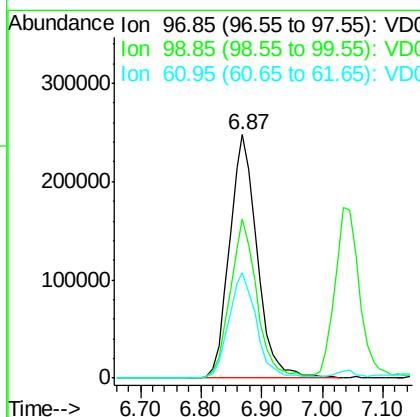
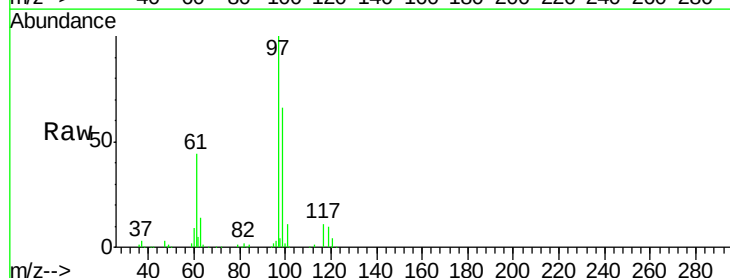
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

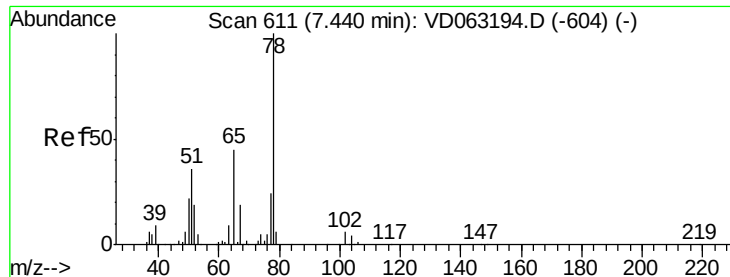
Tot Ion: 56 Resp: 338087
Ion Ratio Lower Upper
56 100
69 31.6 24.5 36.7
84 91.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 49.901 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 97 Resp: 783746
Ion Ratio Lower Upper
97 100
99 65.5 51.2 76.8
61 43.5 34.2 51.2

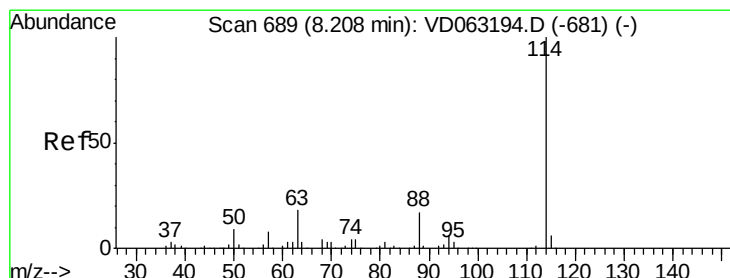
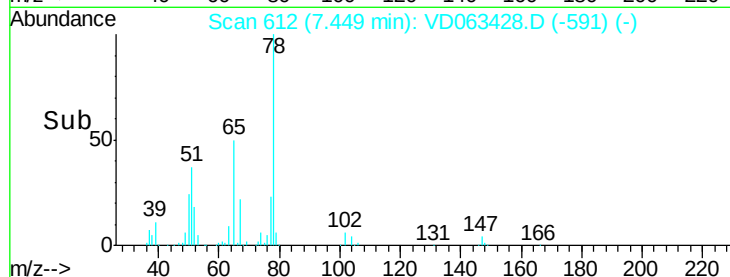
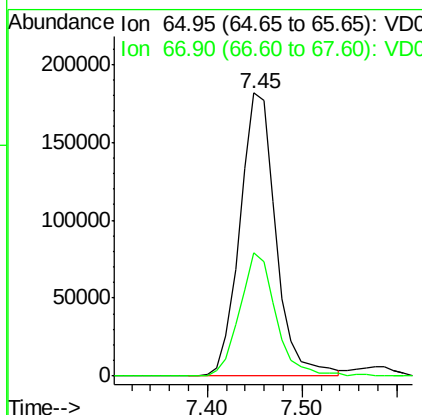
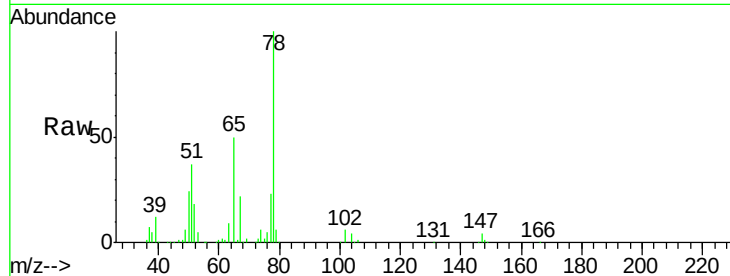




#33
 1,2-Dichloroethane-d4
 Concen: 51.951 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

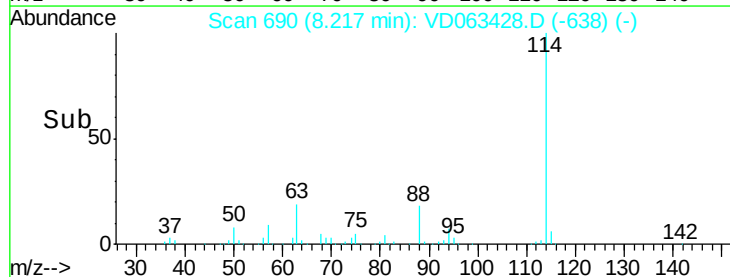
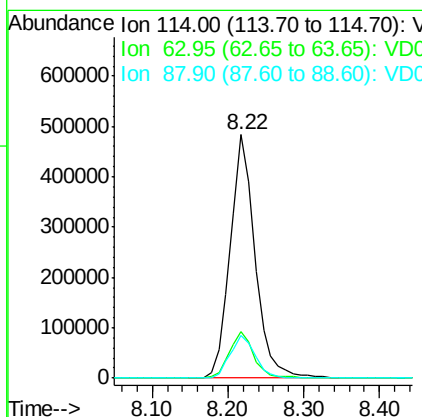
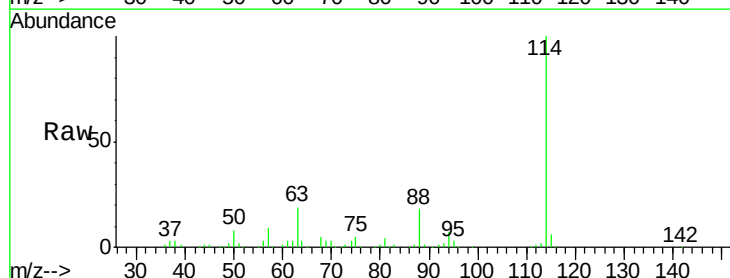
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

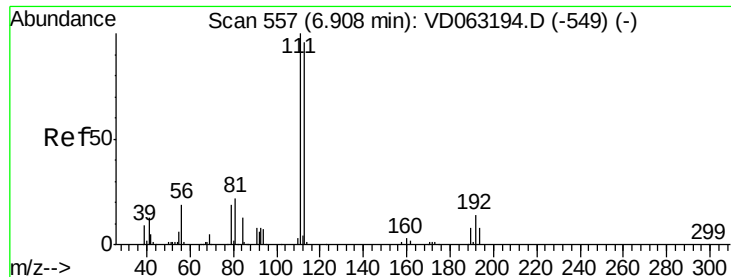
Tot Ion: 65 Resp: 478312
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 114 Resp: 1094574
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.2
 88 17.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 55.841 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

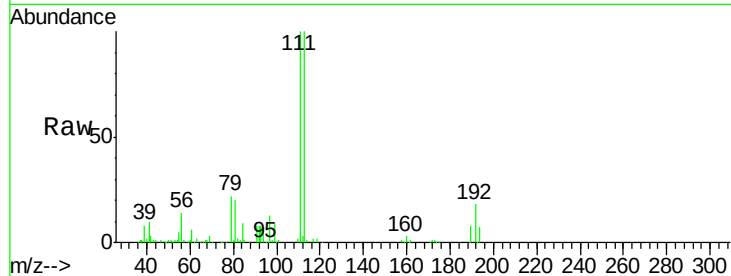
Tot Ion:113 Resp: 521850

Ion Ratio Lower Upper

113 100

111 99.9 83.2 124.8

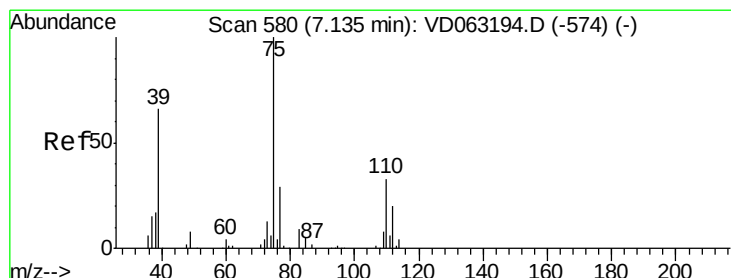
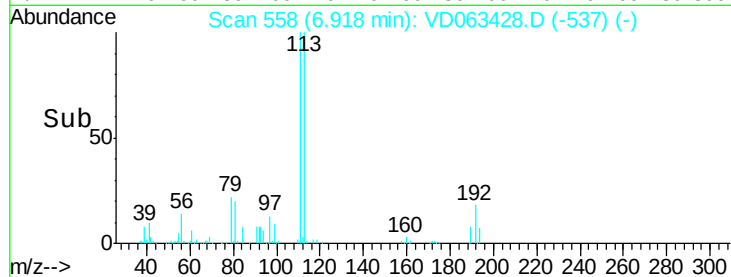
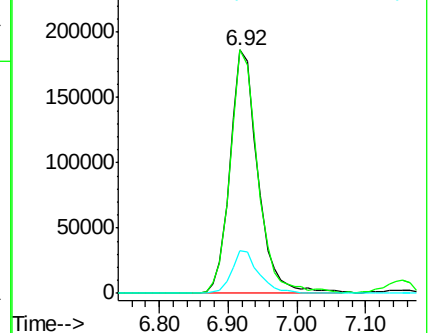
192 17.6 11.8 17.8



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: 45.223 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

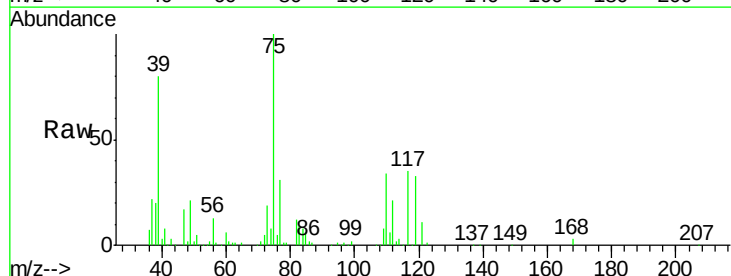
Tgt Ion: 75 Resp: 451749

Ion Ratio Lower Upper

75 100

110 33.8 16.1 48.2

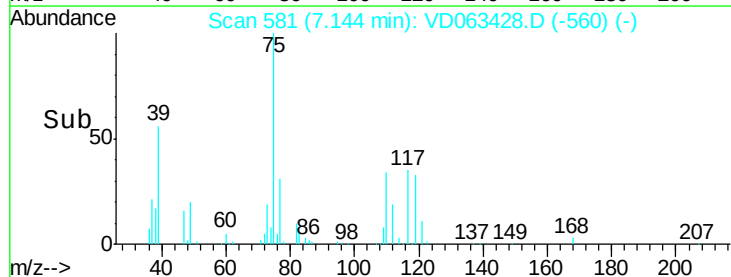
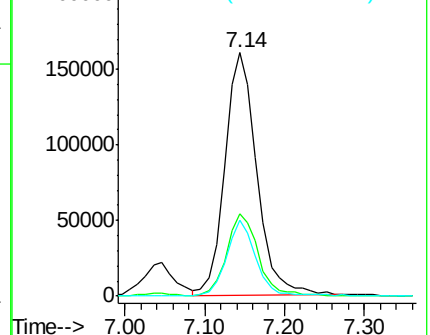
77 31.3 22.7 34.1

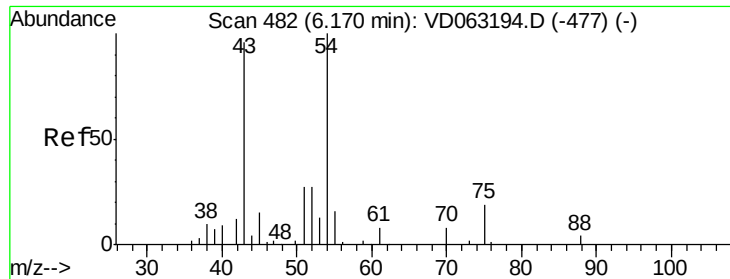


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

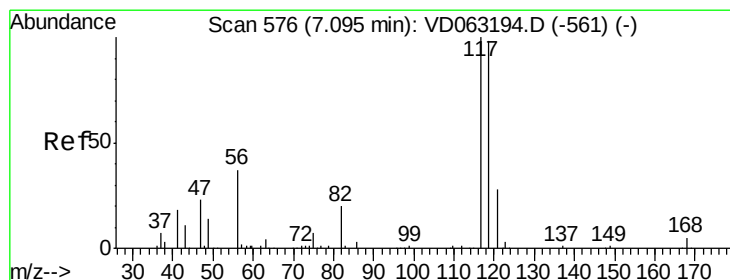
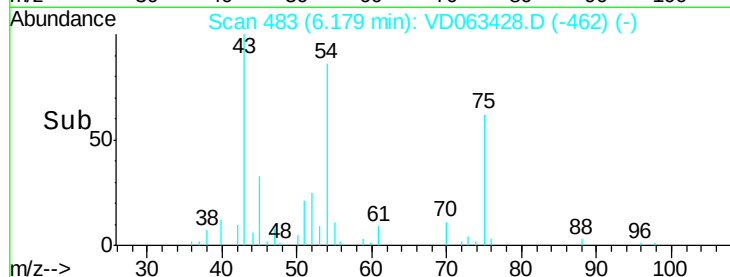
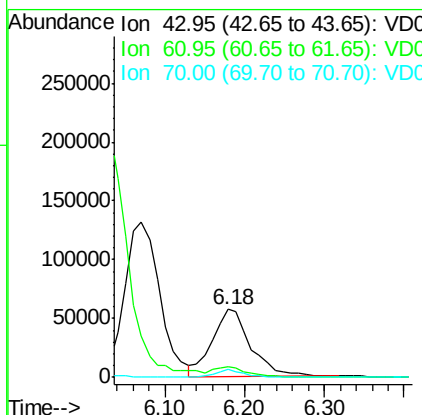
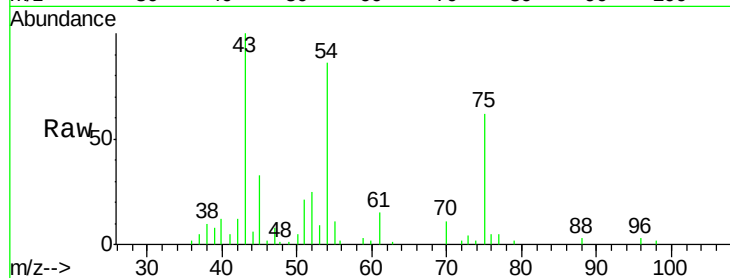




#37
Ethyl Acetate
Concen: 42.859 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

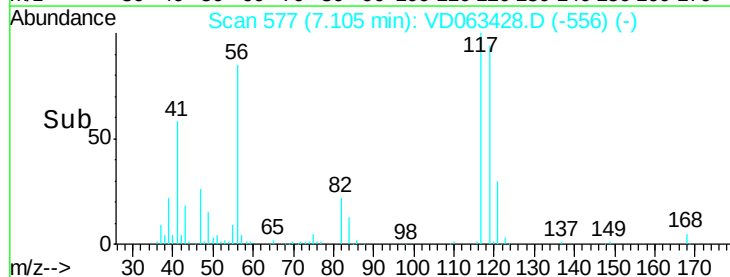
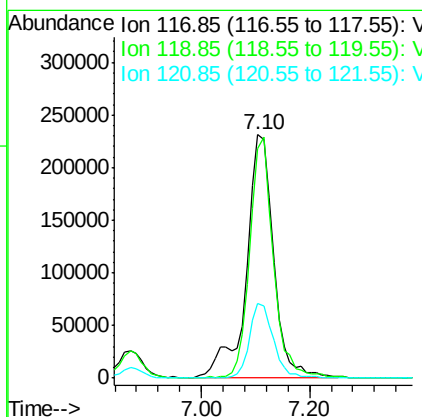
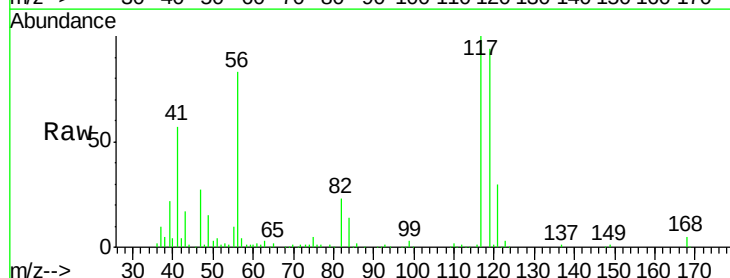
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

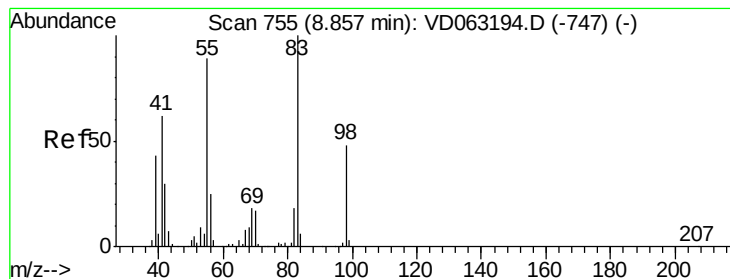
Tot Ion: 43 Resp: 192344
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 11.1 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 54.044 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 117 Resp: 812754
Ion Ratio Lower Upper
117 100
119 94.4 78.2 117.2
121 30.5 22.1 33.1





#39

Methylvlcyclohexane

Concen: 44.505 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

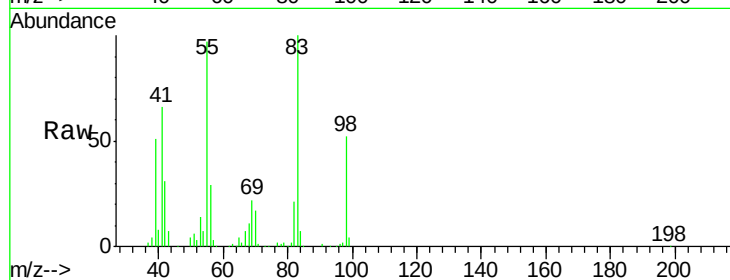
Tot Ion: 83 Resp: 370404

Ion Ratio Lower Upper

83 100

55 96.6 71.1 106.7

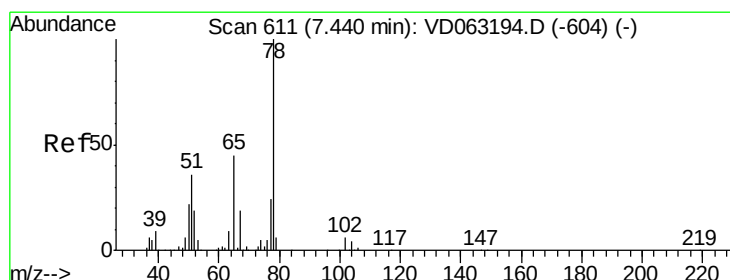
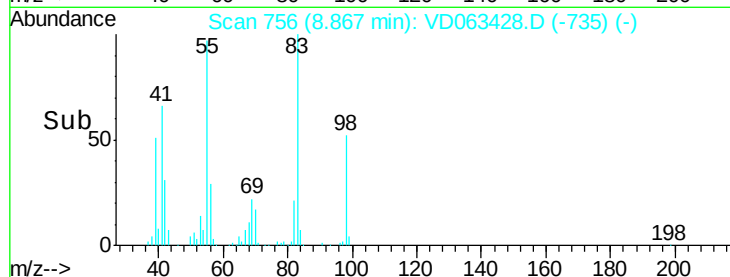
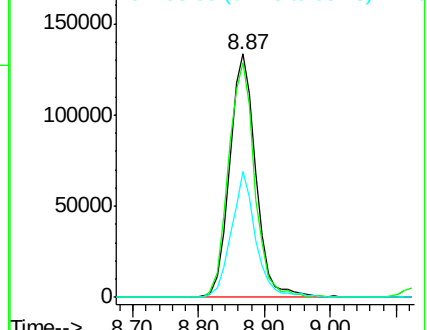
98 51.9 38.5 57.7



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: 48.078 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063428.D

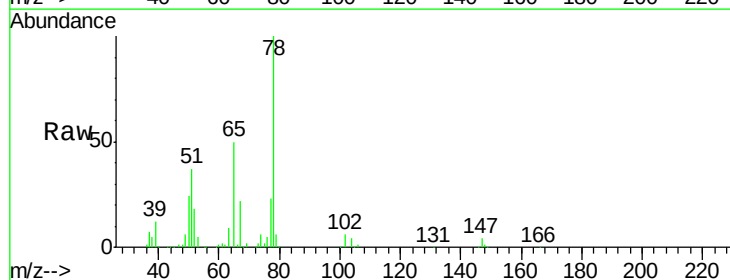
Acq: 7 Aug 2019 19:13

Tgt Ion: 78 Resp: 1006561

Ion Ratio Lower Upper

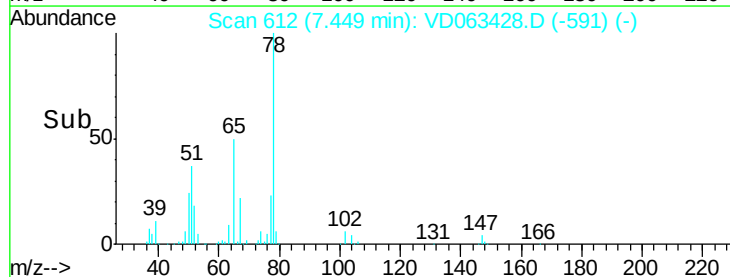
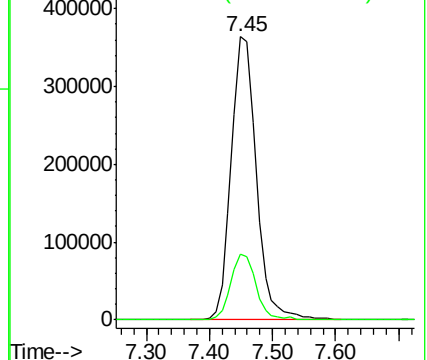
78 100

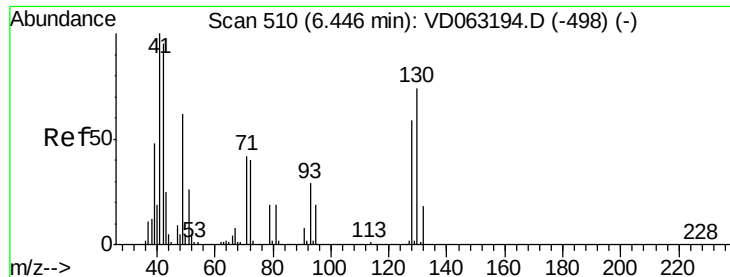
77 23.3 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

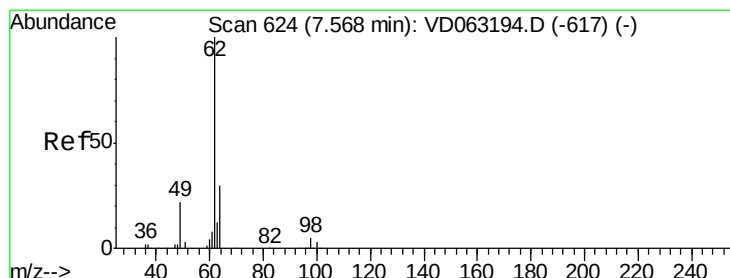
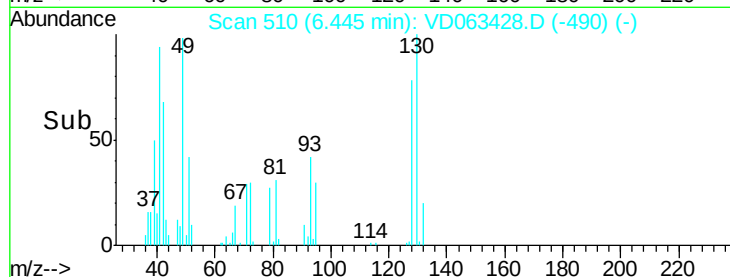
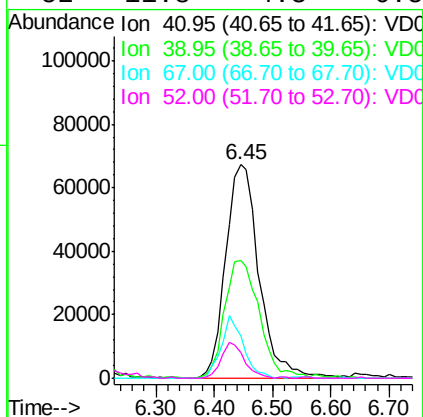
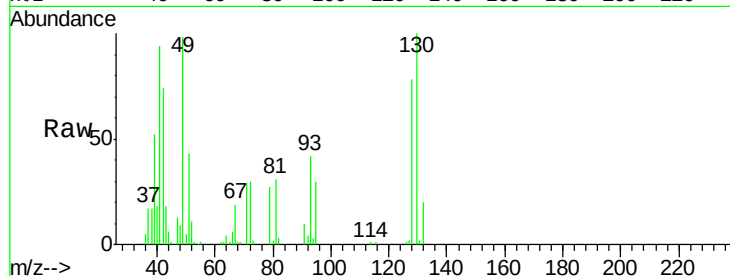




#41
Methacrylonitrile
Concen: 49.839 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

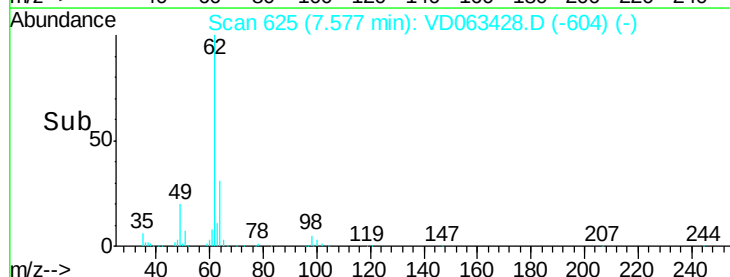
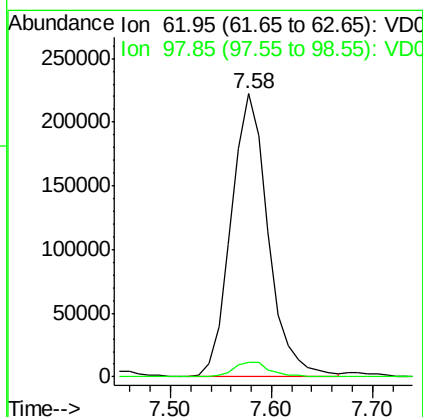
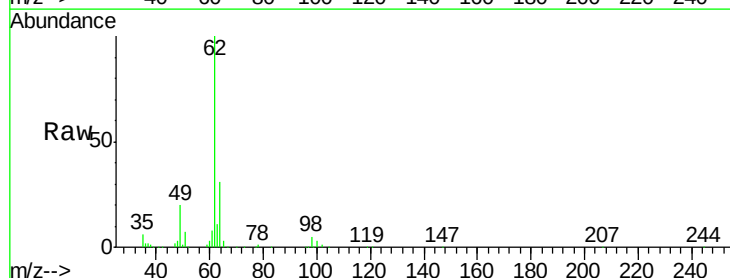
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

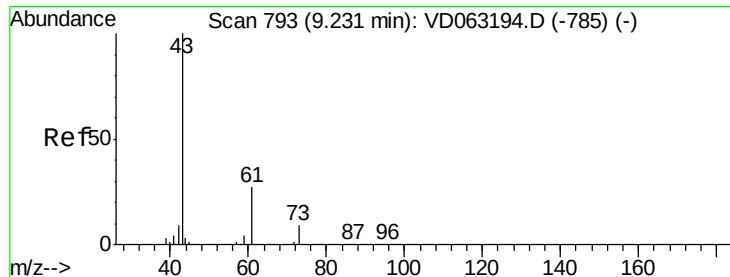
Tot Ion: 41 Resp: 267550
Ion Ratio Lower Upper
41 100
39 55.0 38.4 57.6
67 19.8 6.7 10.1#
52 11.8 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 51.394 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 62 Resp: 570249
Ion Ratio Lower Upper
62 100
98 5.1 0.0 9.8





#43

Isopropyl Acetate

Concen: 48.478 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

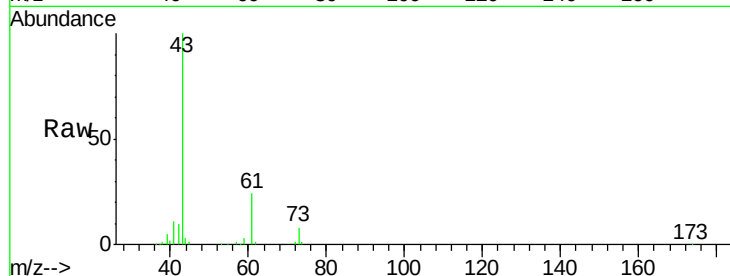
Tot Ion: 43 Resp: 277910

Ion Ratio Lower Upper

43 100

61 23.6 21.4 32.0

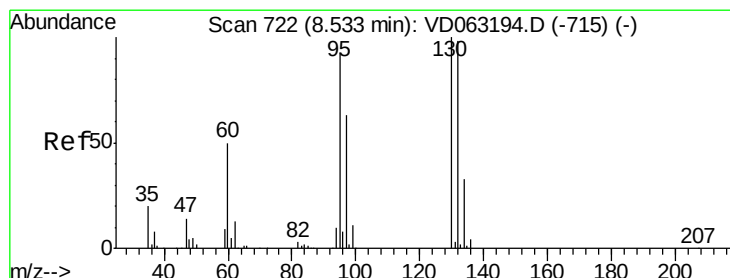
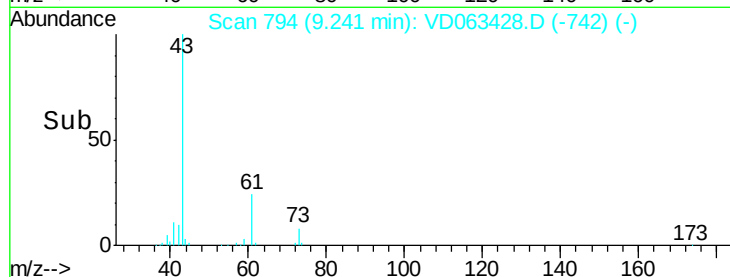
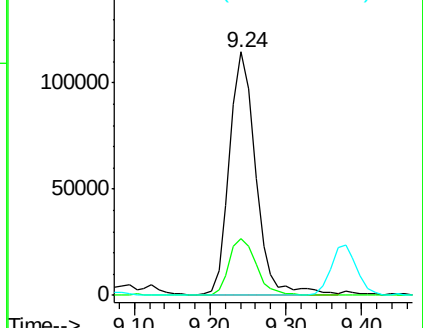
87 0.0 0.2 0.4#



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: 47.211 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063428.D

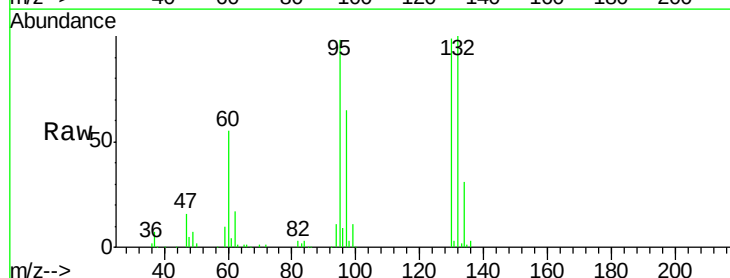
Acq: 7 Aug 2019 19:13

Tgt Ion:130 Resp: 400515

Ion Ratio Lower Upper

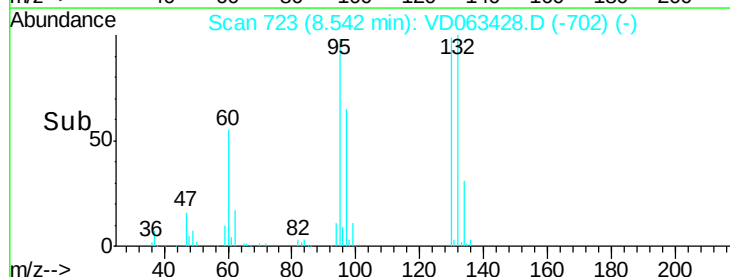
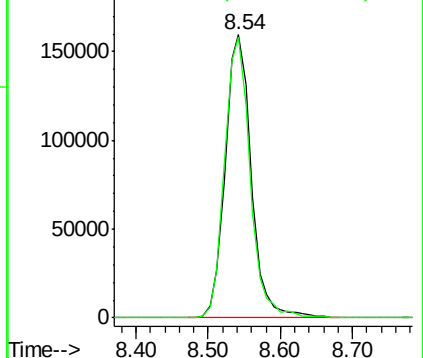
130 100

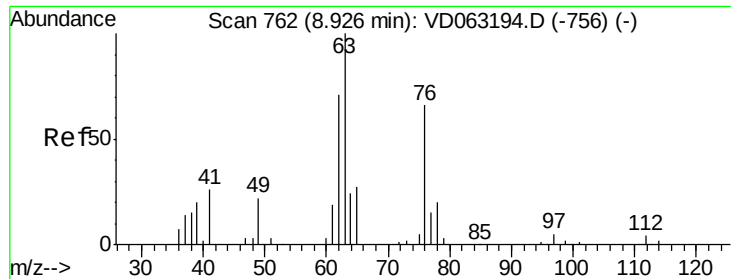
95 99.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

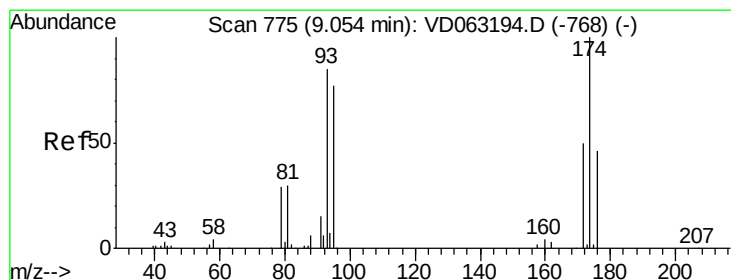
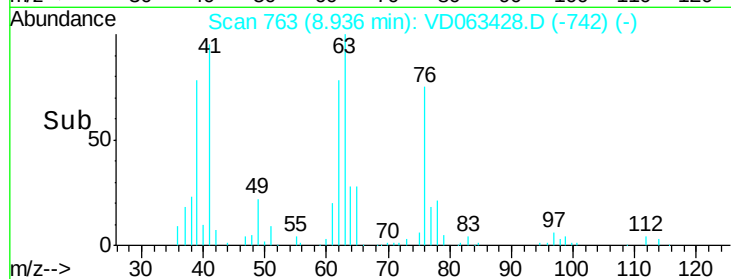
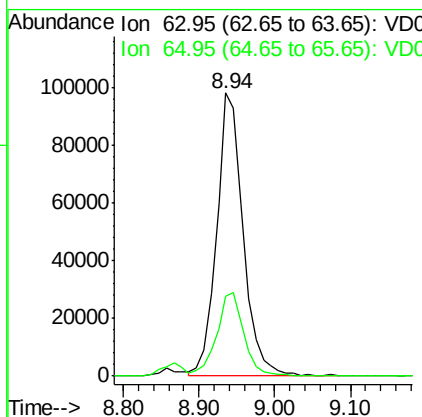
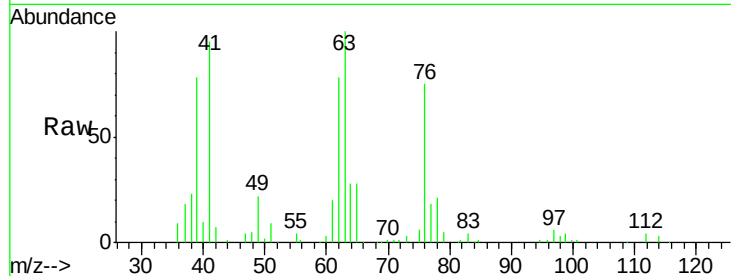




#45
 1,2-Dichloropropane
 Concen: 45.137 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

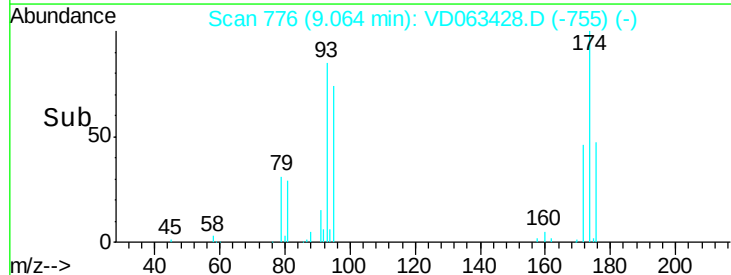
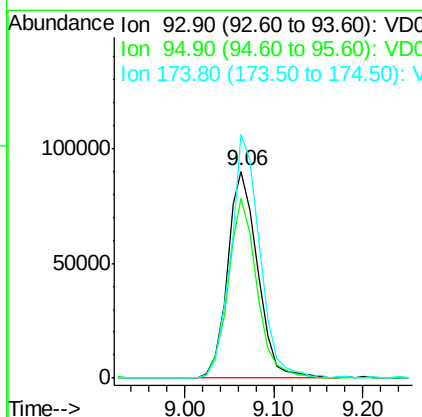
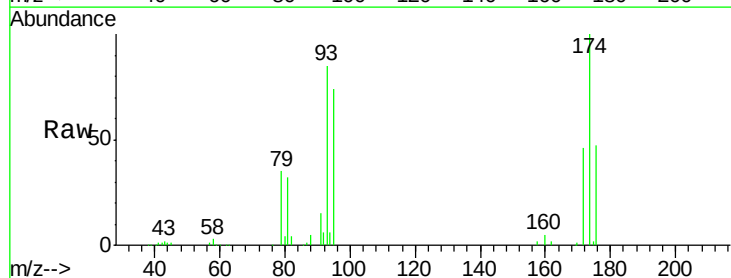
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

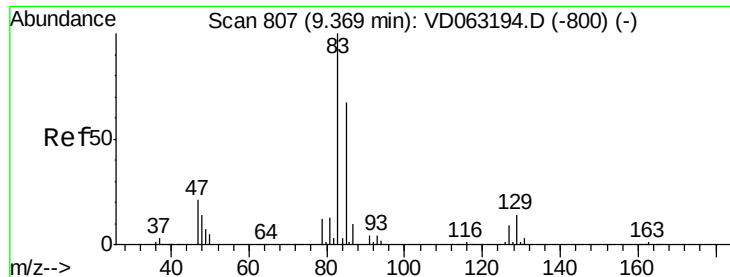
Tot Ion: 63 Resp: 240188
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.6 35.4



#46
 Dibromomethane
 Concen: 48.215 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 93 Resp: 213333
 Ion Ratio Lower Upper
 93 100
 95 87.1 72.8 109.2
 174 117.7 94.4 141.6





#47

Bromodichloromethane

Concen: 50.906 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

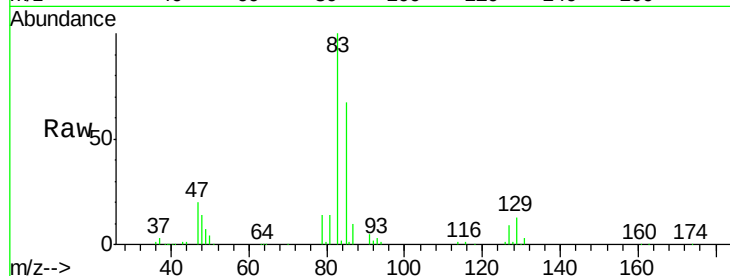
Tot Ion: 83 Resp: 574165

Ion Ratio Lower Upper

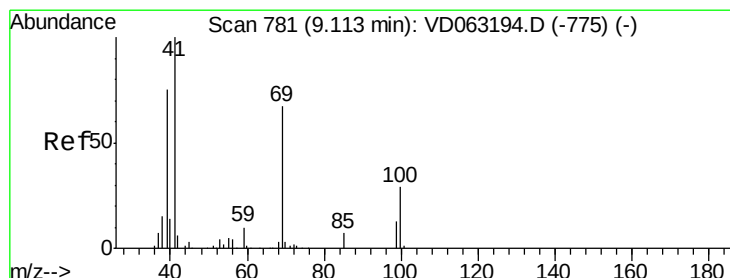
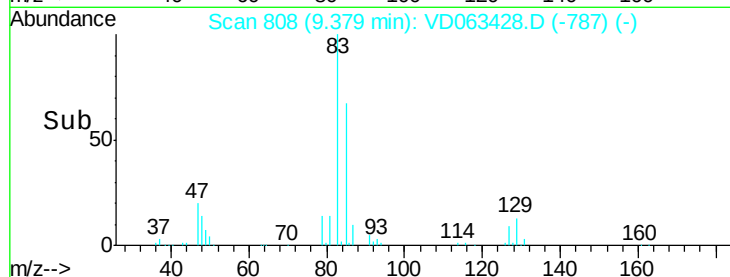
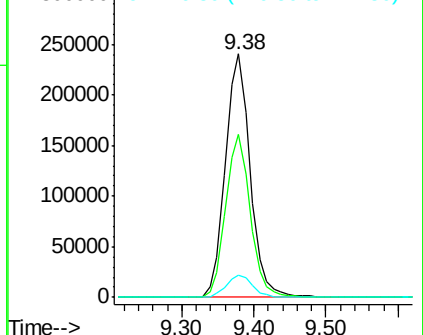
83 100

85 67.0 53.6 80.4

127 9.3 7.2 10.8



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



#48

Methyl methacrylate

Concen: 48.884 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

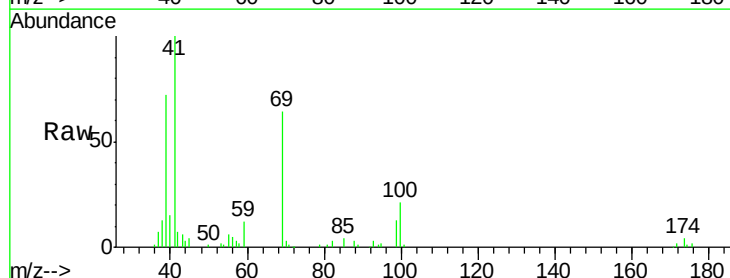
Tgt Ion: 41 Resp: 181750

Ion Ratio Lower Upper

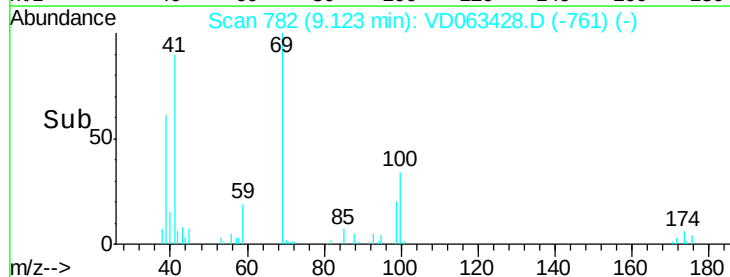
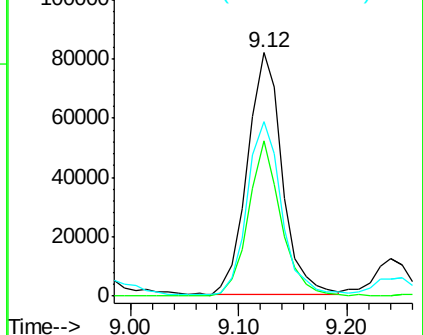
41 100

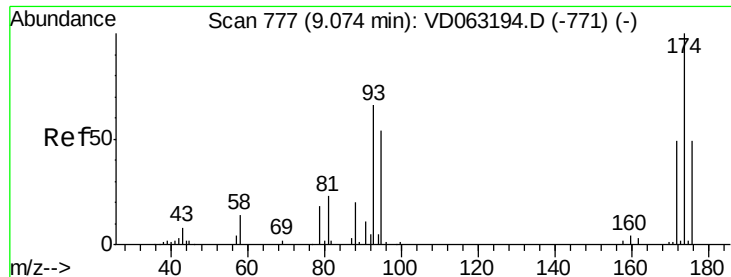
69 63.8 53.4 80.0

39 71.7 60.3 90.5



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

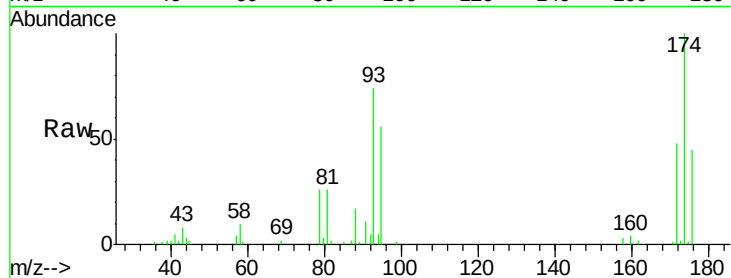




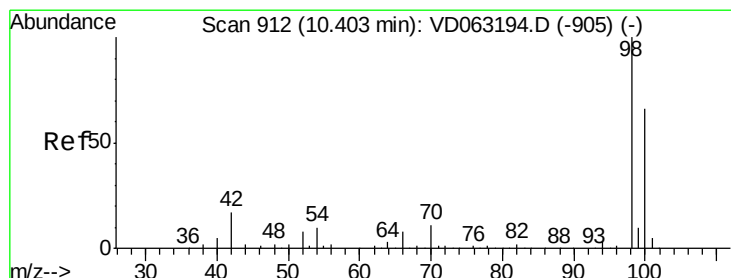
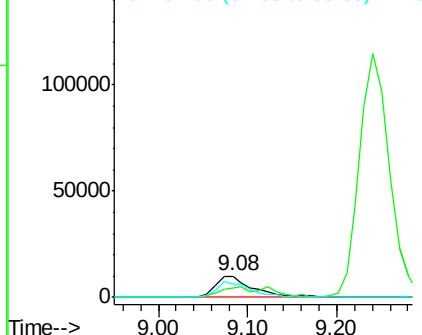
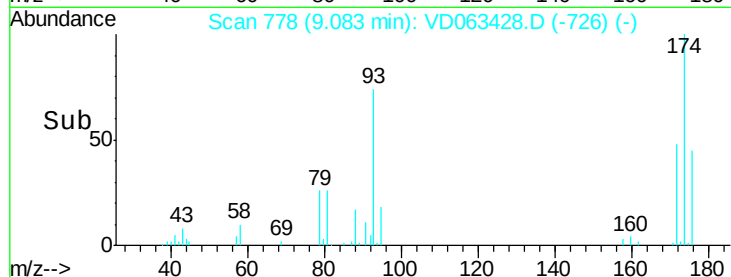
#49
 1,4-Dioxane
 Concen: 916.189 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 28867
 Ion Ratio Lower Upper
 88 100
 43 46.5 30.7 46.1#
 58 62.2 56.5 84.7

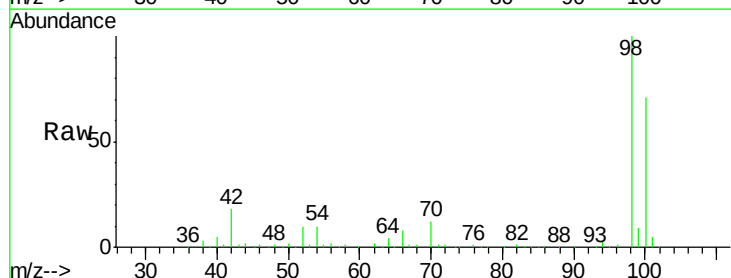


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

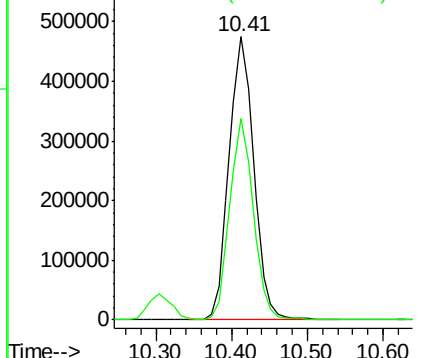
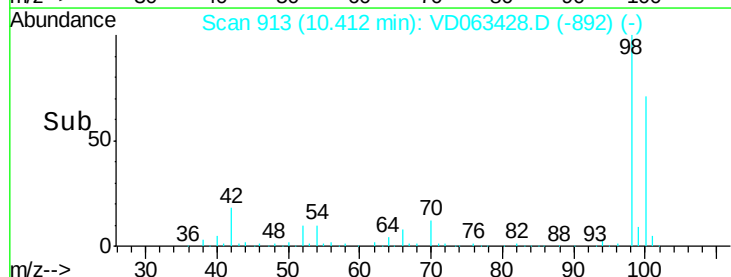


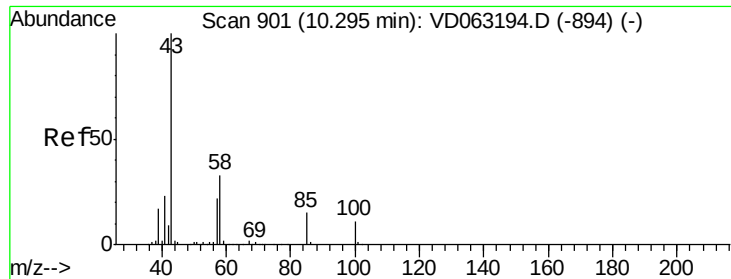
#50
 Toluene-d8
 Concen: 51.495 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 98 Resp: 1077000
 Ion Ratio Lower Upper
 98 100
 100 71.4 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 243.199 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

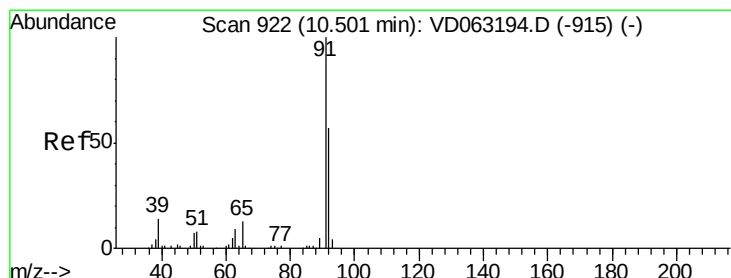
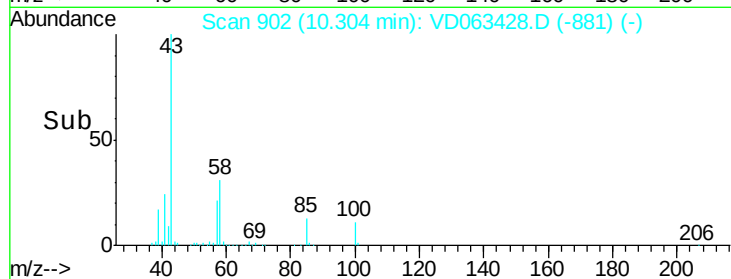
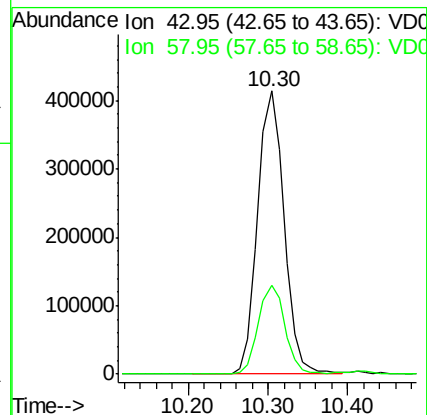
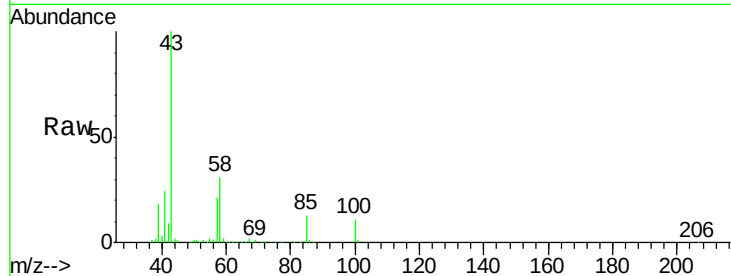
VSTDCCC050EC

Tot Ion: 43 Resp: 948165

Ion Ratio Lower Upper

43 100

58 31.5 26.2 39.2



#52

Toluene

Concen: 48.775 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063428.D

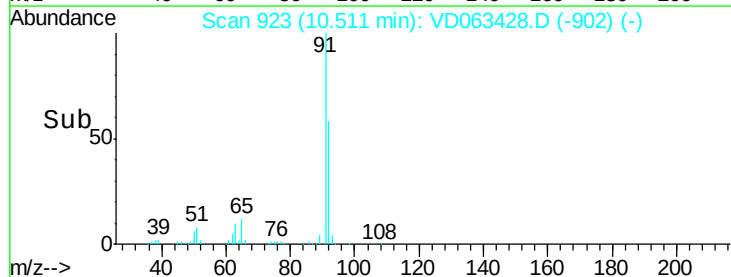
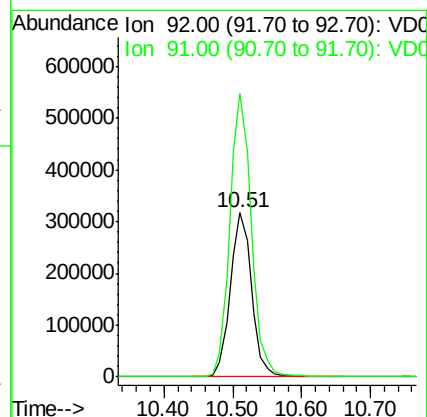
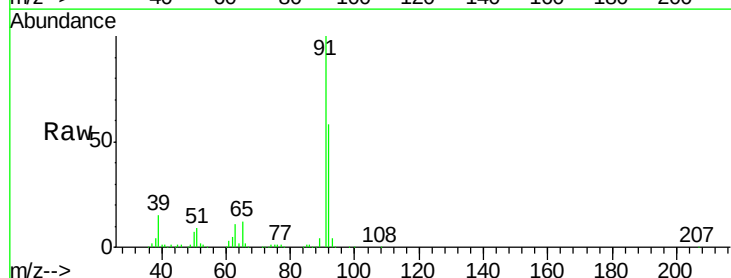
Acq: 7 Aug 2019 19:13

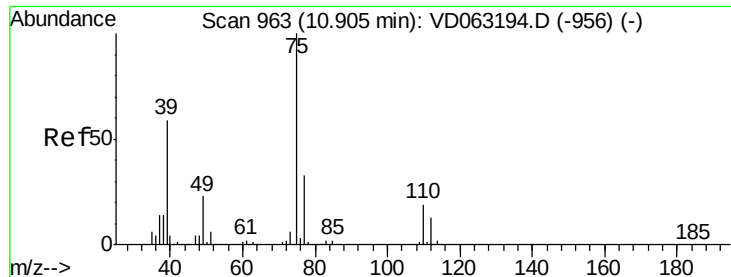
Tgt Ion: 92 Resp: 679172

Ion Ratio Lower Upper

92 100

91 172.6 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 46.108 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

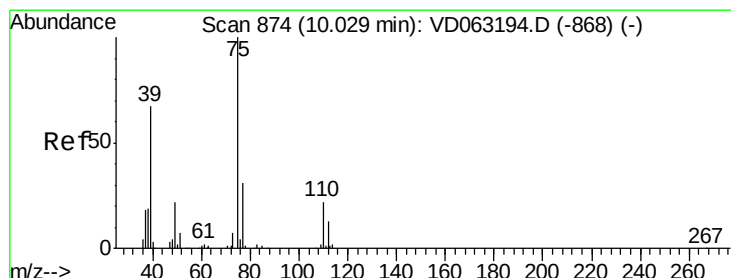
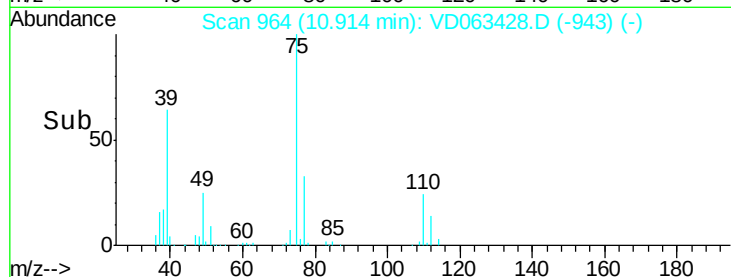
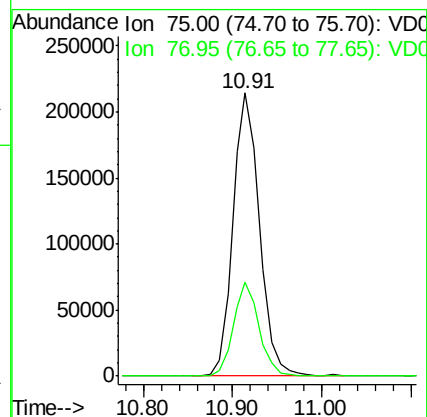
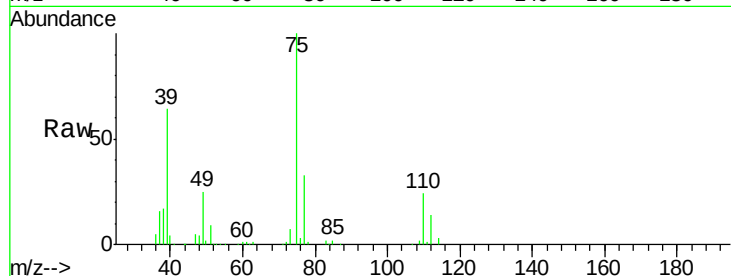
VSTDCCC050EC

Tot Ion: 75 Resp: 448346

Ion Ratio Lower Upper

75 100

77 33.2 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 48.706 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

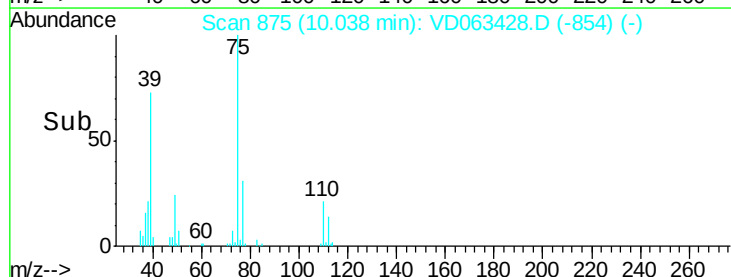
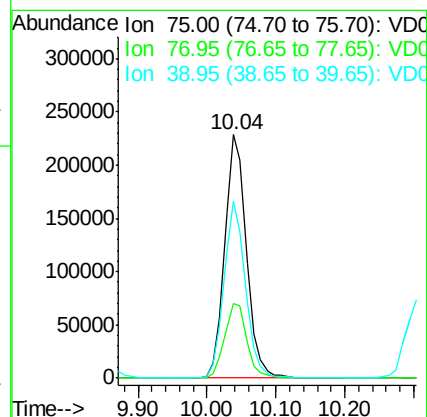
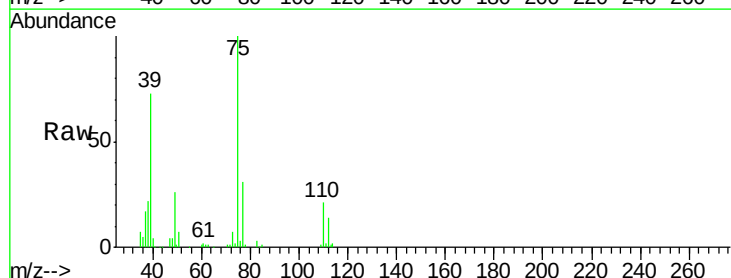
Tgt Ion: 75 Resp: 497756

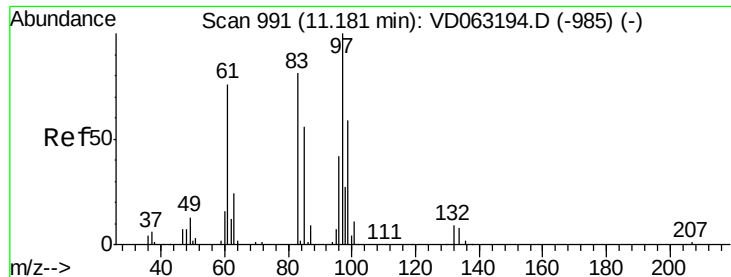
Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3

39 73.0 53.9 80.9

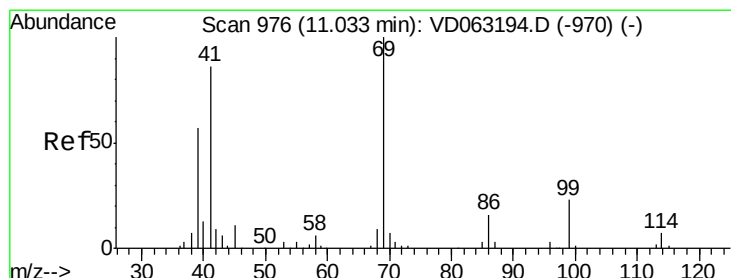
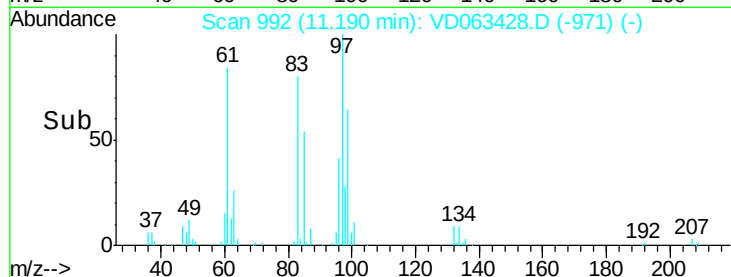
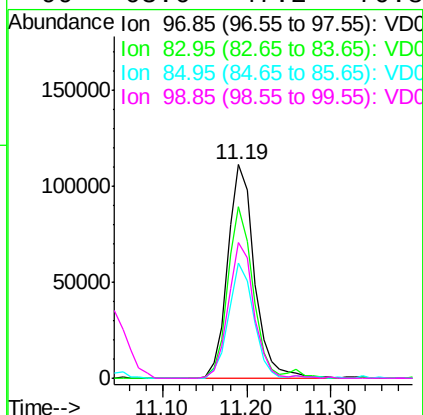
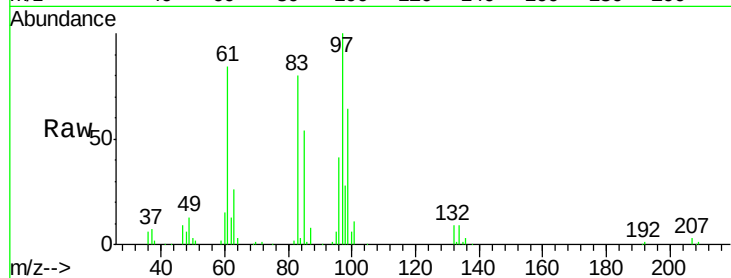




#55
 1,1,2-Trichloroethane
 Concen: 52.091 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

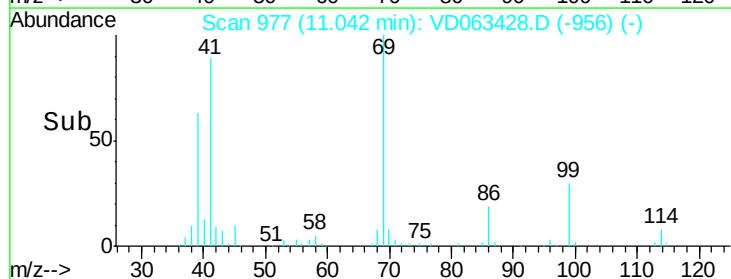
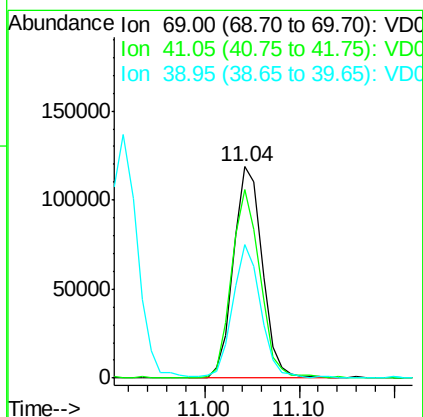
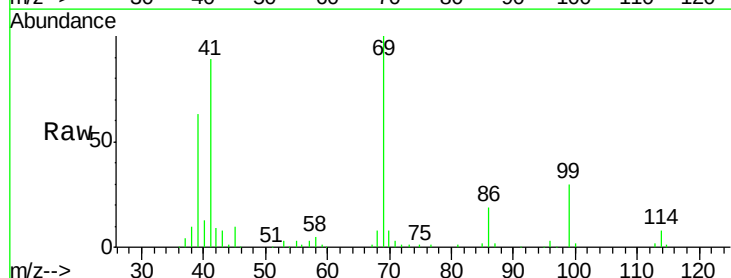
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

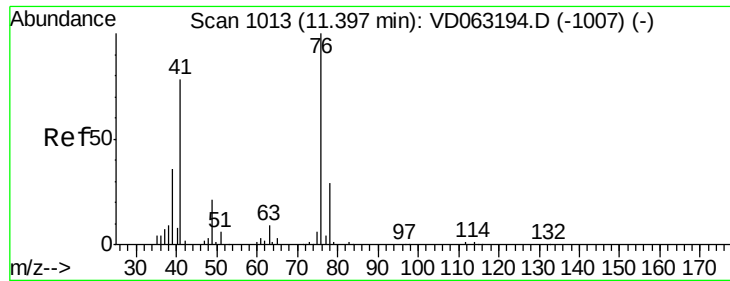
Tot Ion:	97	Resp:	244973
Ion	Ratio	Lower	Upper
97	100		
83	80.1	64.8	97.2
85	53.8	44.9	67.3
99	63.6	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 48.705 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:	69	Resp:	250812
Ion	Ratio	Lower	Upper
69	100		
41	89.3	68.8	103.2
39	63.2	45.8	68.8

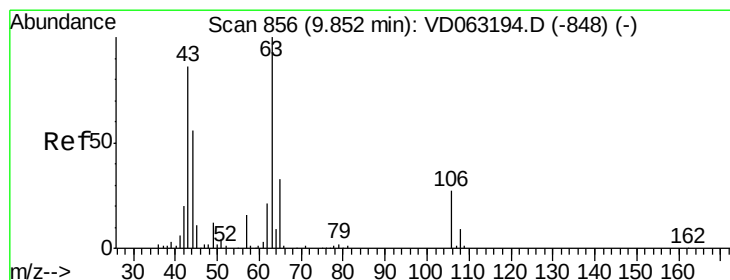
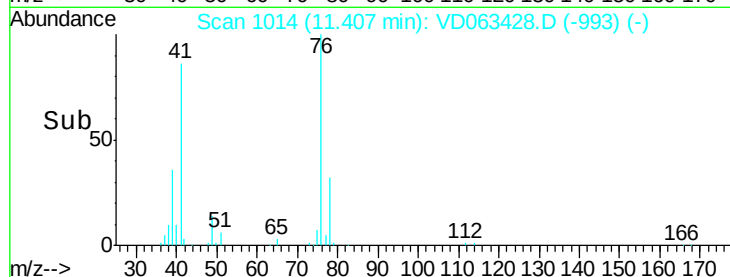
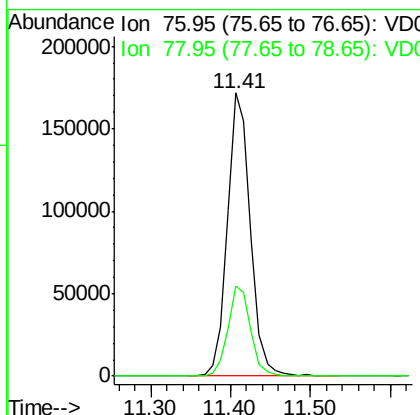
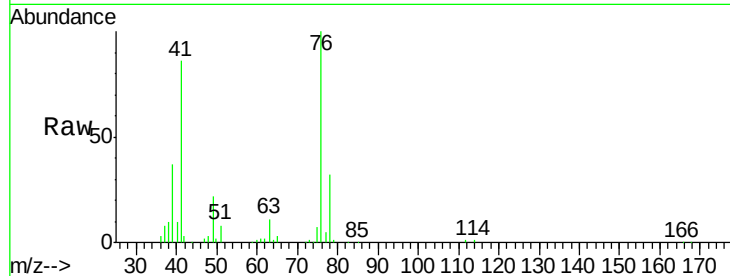




#57
 1,3-Dichloropropane
 Concen: 46.794 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

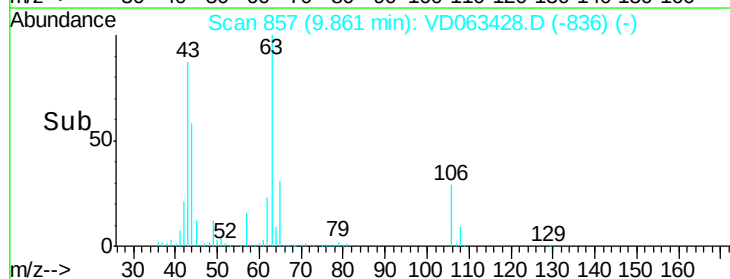
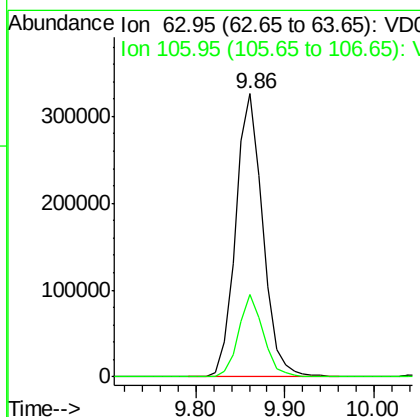
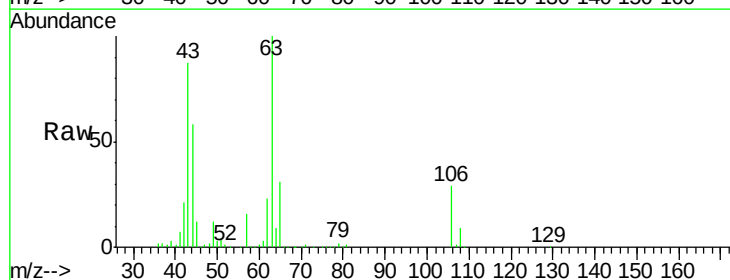
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

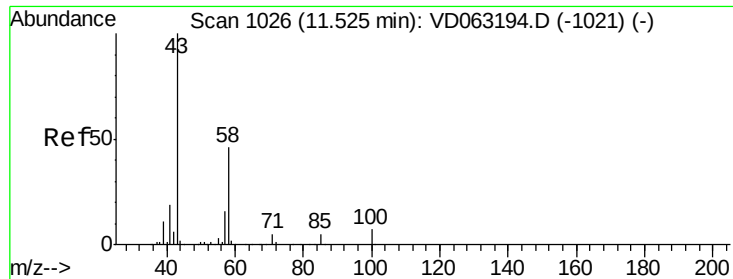
Tot Ion: 76 Resp: 346729
 Ion Ratio Lower Upper
 76 100
 78 32.0 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.065 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 63 Resp: 691505
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.0 33.0

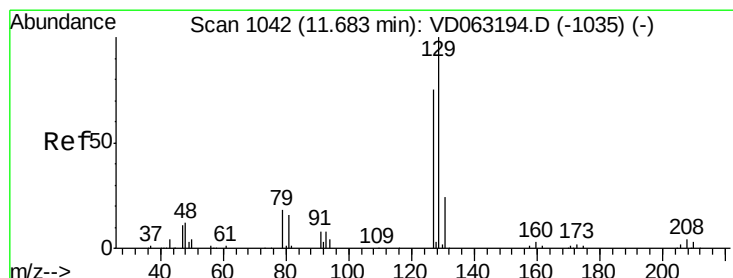
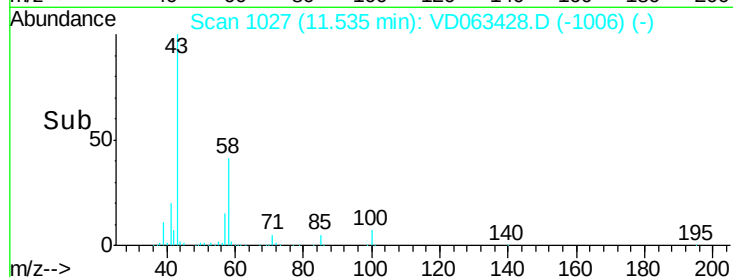
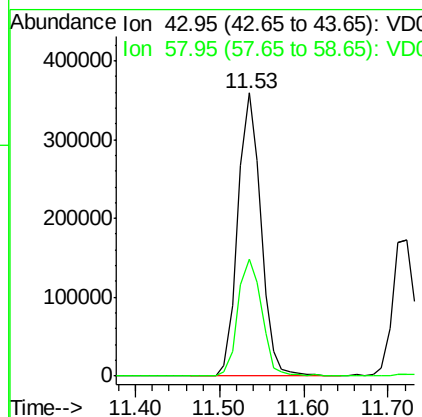
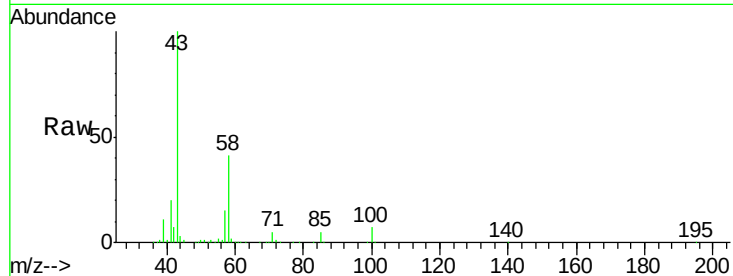




#59
2-Hexanone
Concen: 244.653 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

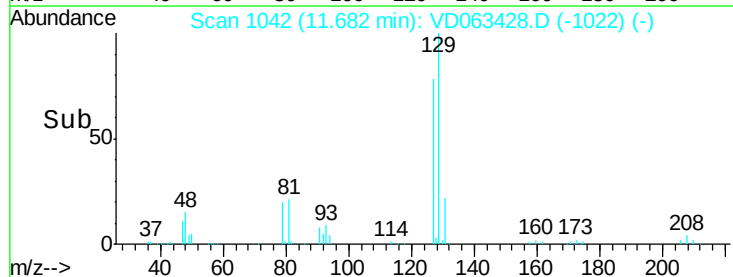
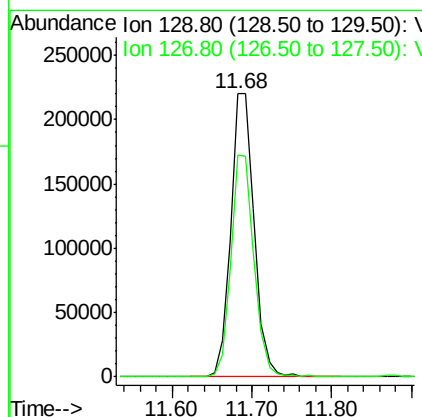
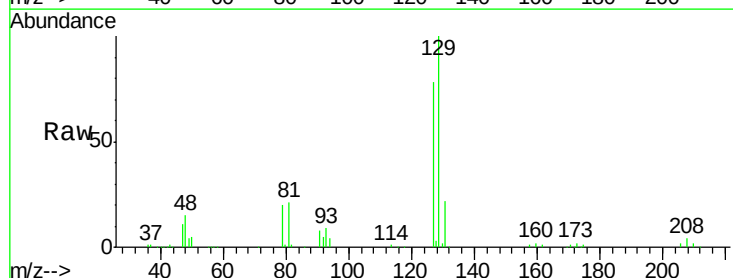
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

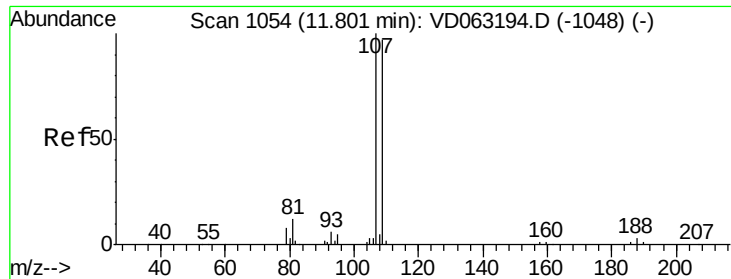
Tot Ion: 43 Resp: 687373
Ion Ratio Lower Upper
43 100
58 41.2 22.9 68.5



#60
Dibromochloromethane
Concen: 51.200 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 129 Resp: 454552
Ion Ratio Lower Upper
129 100
127 78.2 37.6 112.8





#61

1,2-Dibromoethane

Concen: 49.725 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

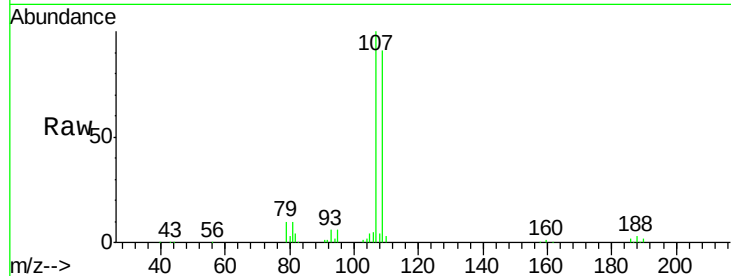
VSTDCCC050EC

Tot Ion:107 Resp: 288552

Ion Ratio Lower Upper

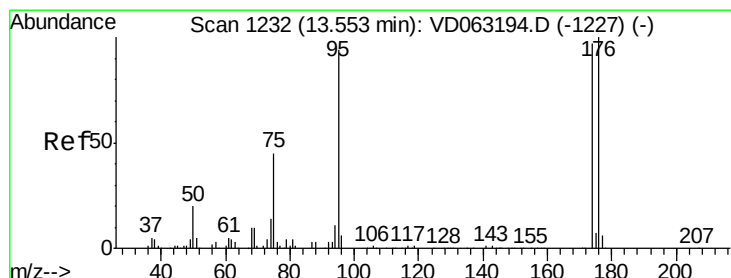
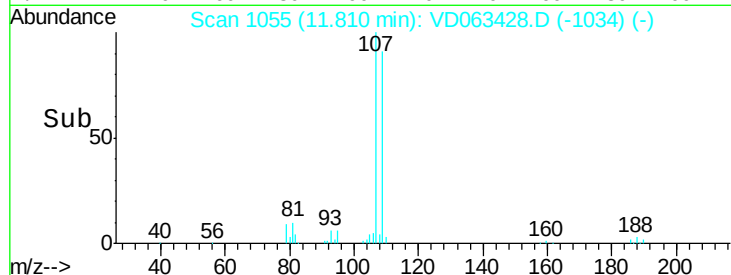
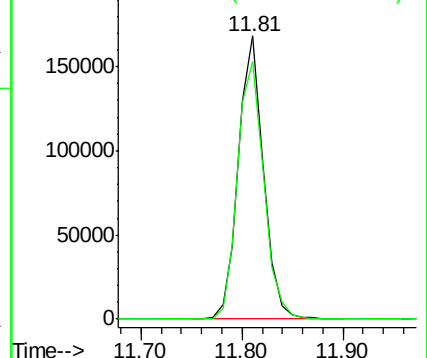
107 100

109 91.1 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.734 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

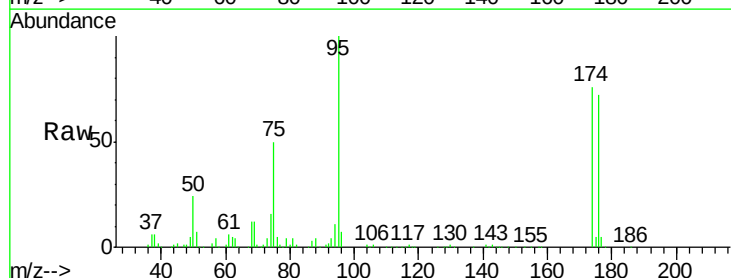
Tgt Ion: 95 Resp: 502592

Ion Ratio Lower Upper

95 100

174 75.6 0.0 205.4

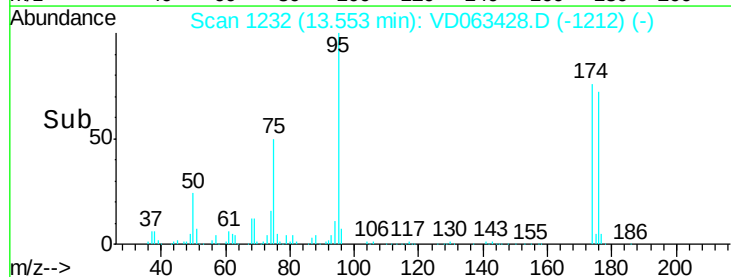
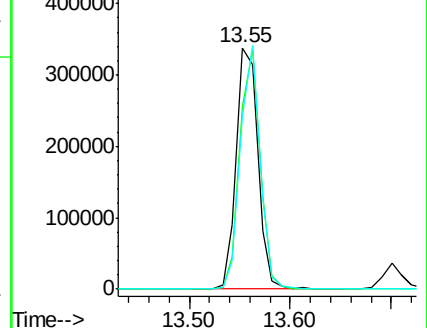
176 72.0 0.0 211.8

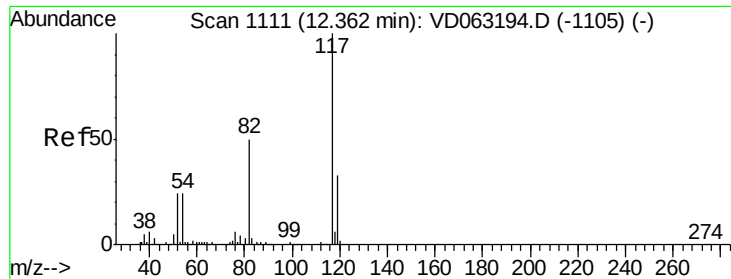


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

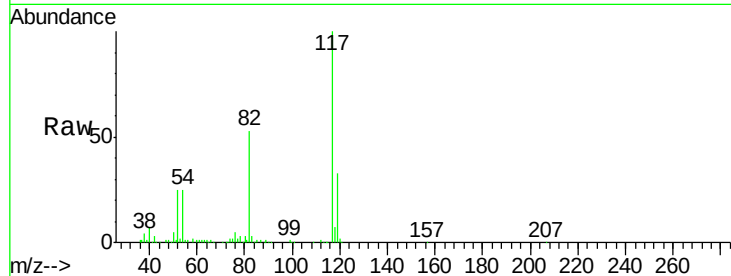




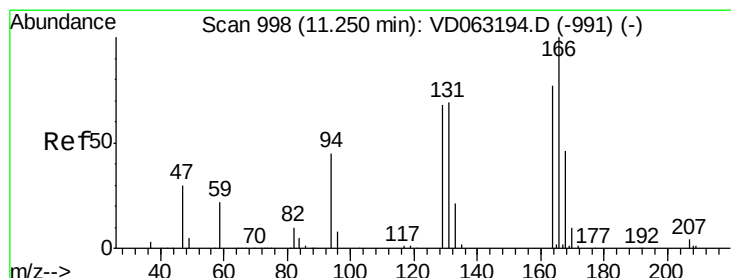
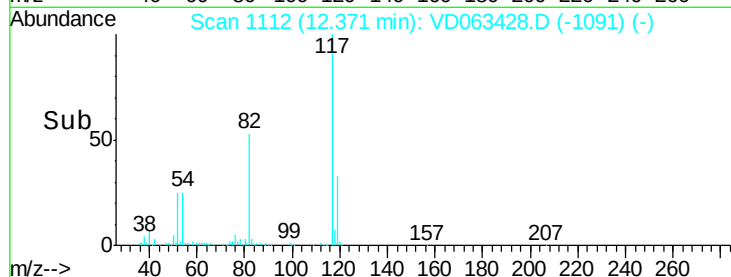
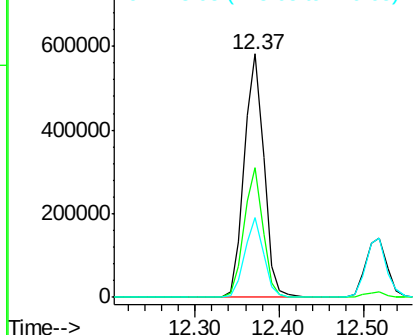
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	40.1	60.1
119	33.0	26.5	39.7

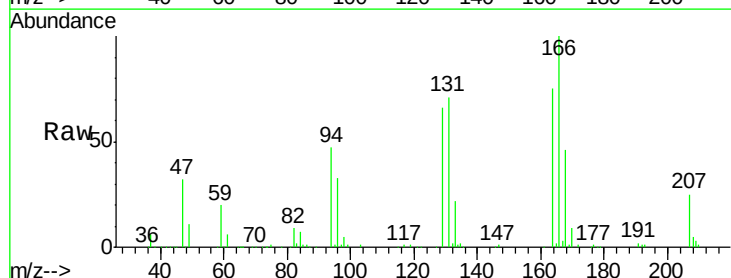


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

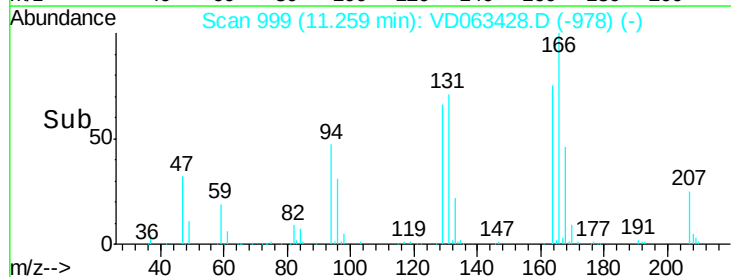
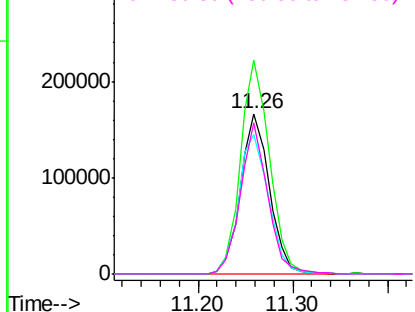


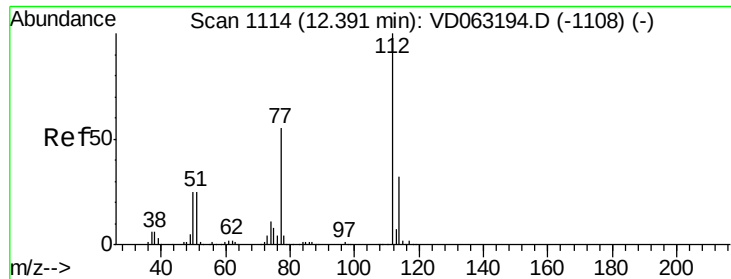
#64
Tetrachloroethene
Concen: 46.677 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	104.3	156.5
129	87.5	70.9	106.3
131	94.5	71.6	107.4



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

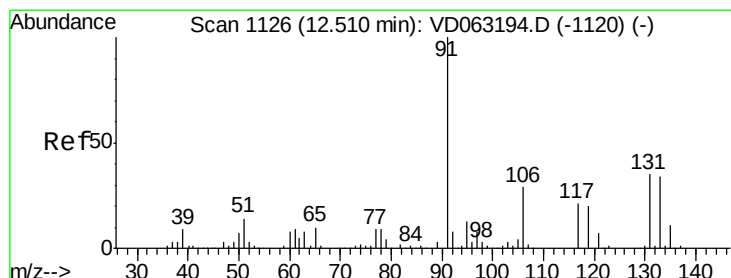
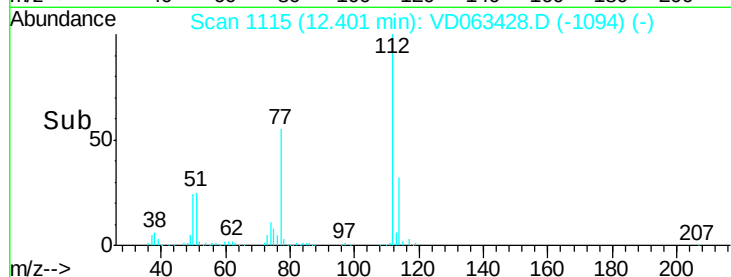
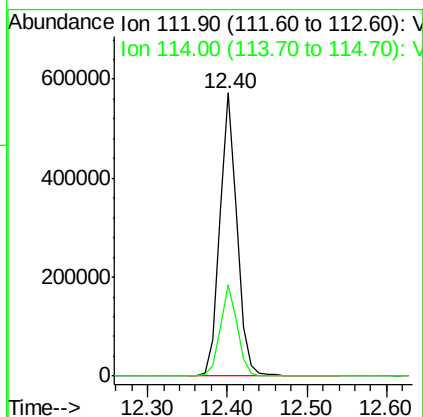
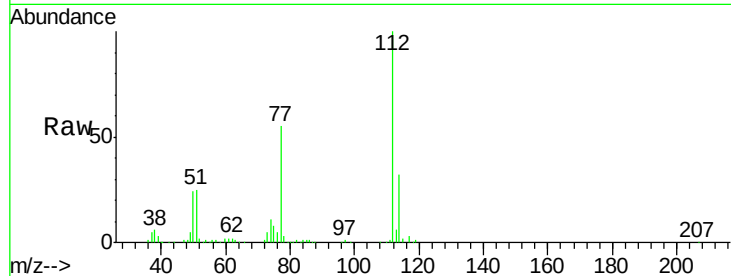




#65
Chlorobenzene
Concen: 47.659 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

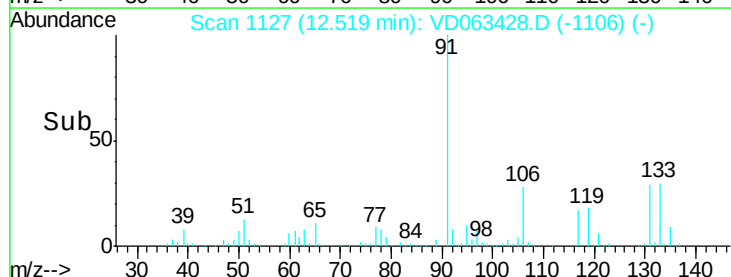
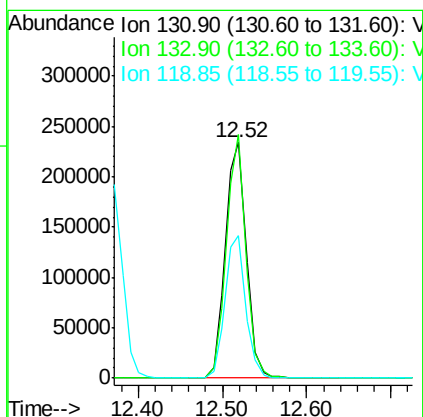
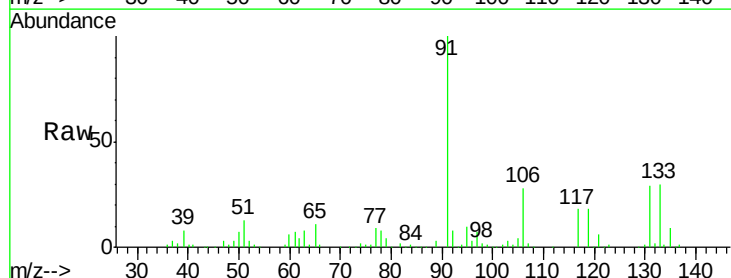
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

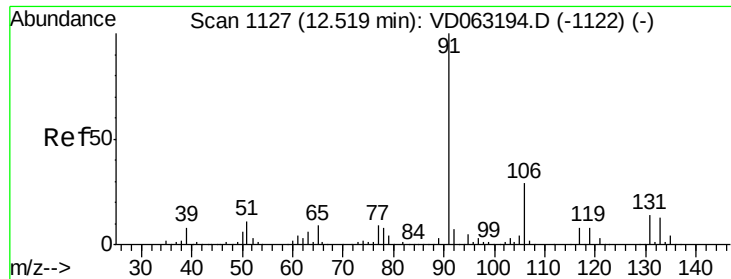
Tot Ion:112 Resp: 869862
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.417 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:131 Resp: 405339
Ion Ratio Lower Upper
131 100
133 103.4 48.4 145.2
119 60.7 29.1 87.3





#67

Ethyl Benzene

Concen: 47.429 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

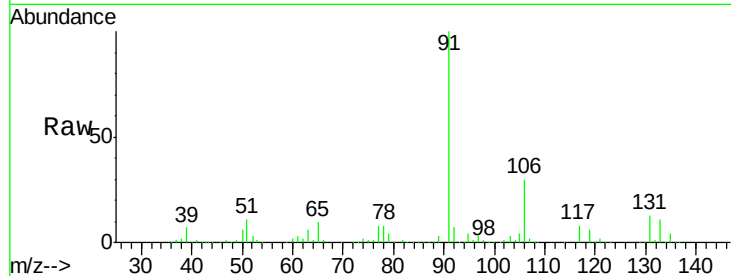
VSTDCCC050EC

Tot Ion: 91 Resp: 1470554

Ion Ratio Lower Upper

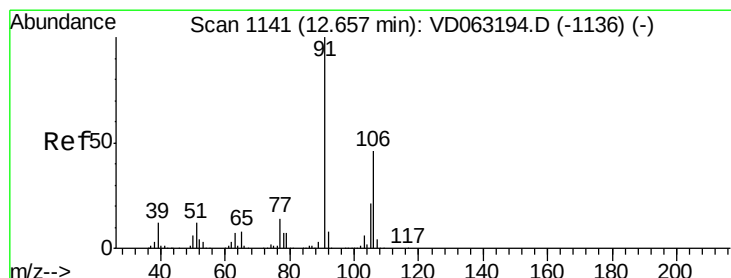
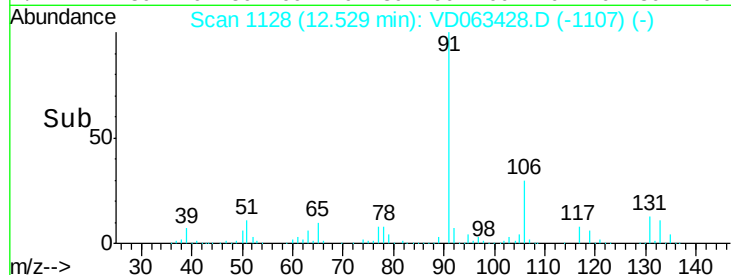
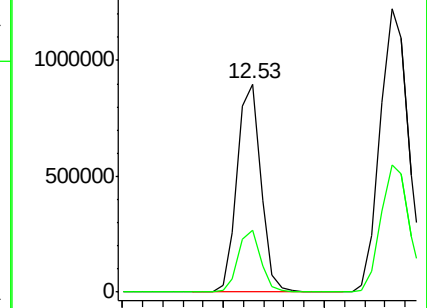
91 100

106 29.6 22.9 34.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 94.560 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD063428.D

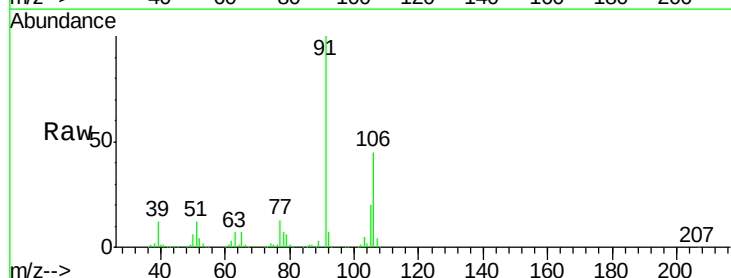
Acq: 7 Aug 2019 19:13

Tgt Ion:106 Resp: 1075209

Ion Ratio Lower Upper

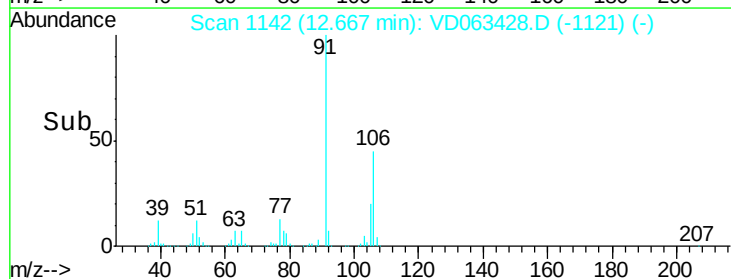
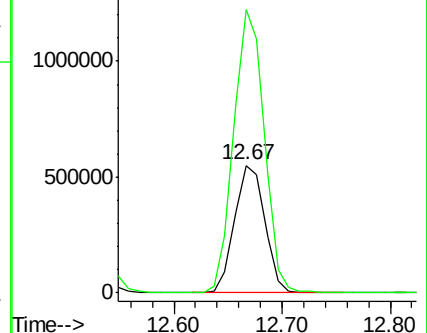
106 100

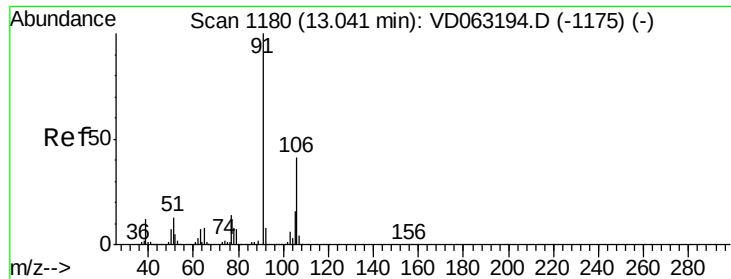
91 221.5 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

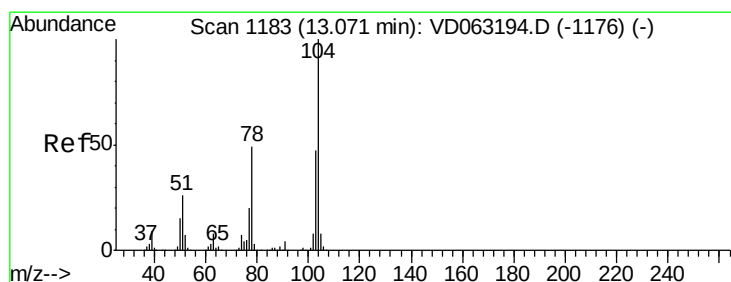
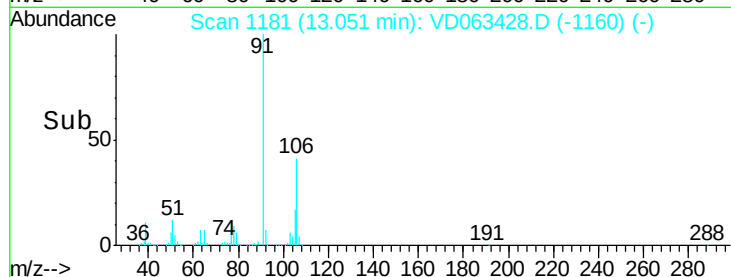
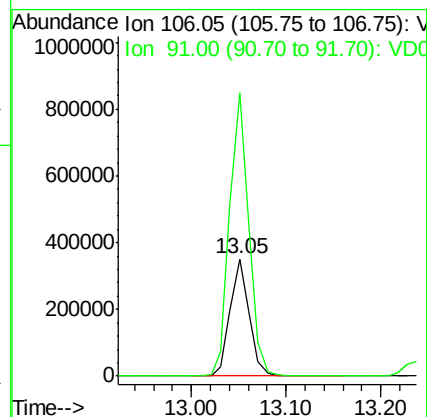
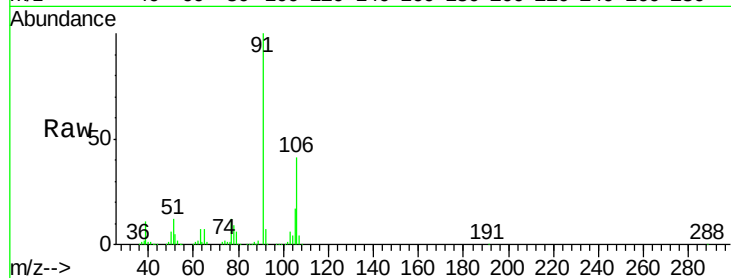




#69
o-Xylene
Concen: 46.928 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

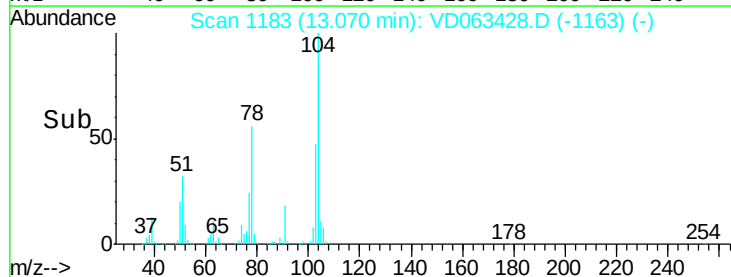
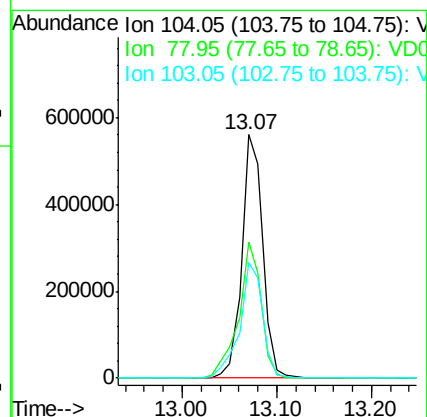
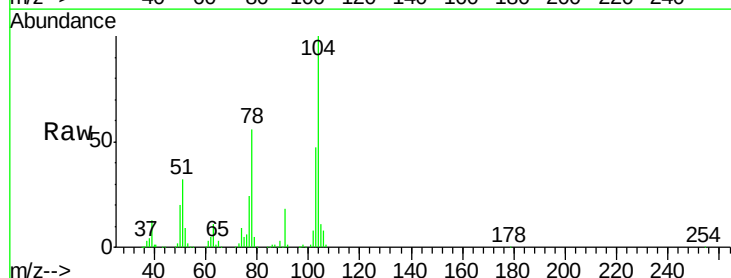
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

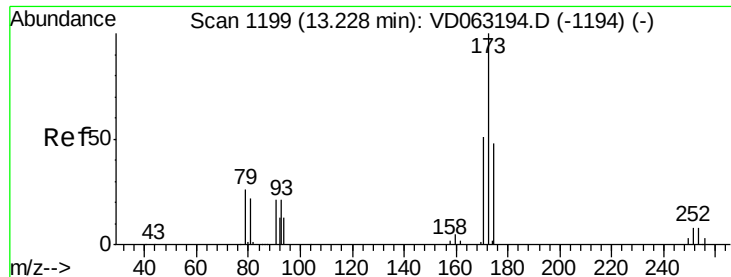
Tot Ion:106 Resp: 490007
Ion Ratio Lower Upper
106 100
91 241.9 121.3 363.9



#70
Styrene
Concen: 46.066 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:104 Resp: 853031
Ion Ratio Lower Upper
104 100
78 56.0 39.4 59.0
103 47.3 37.4 56.2

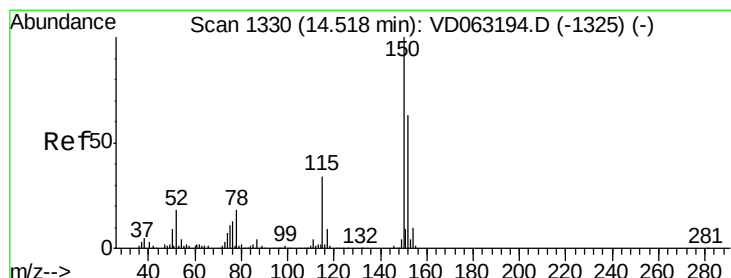
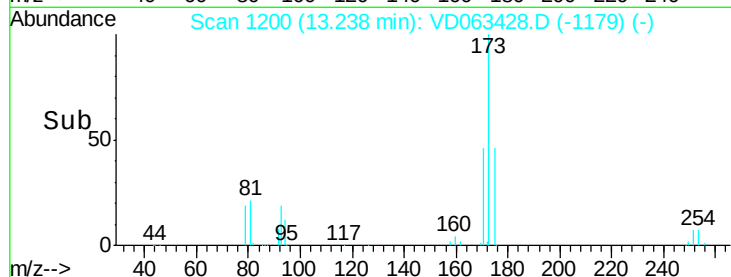
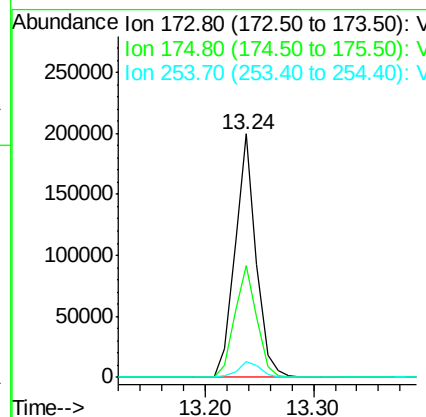
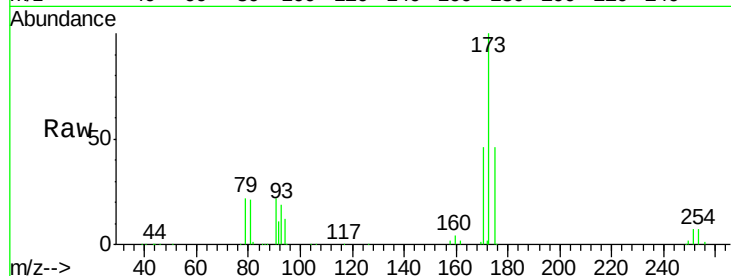




#71
Bromoform
Concen: 46.034 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

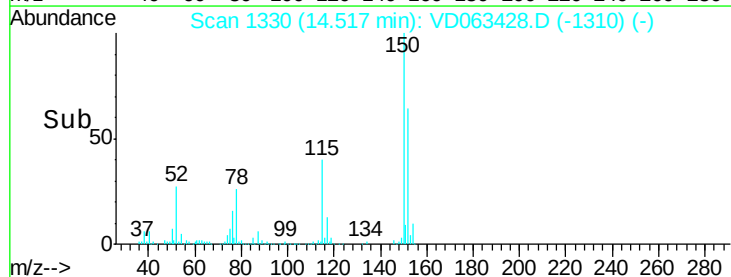
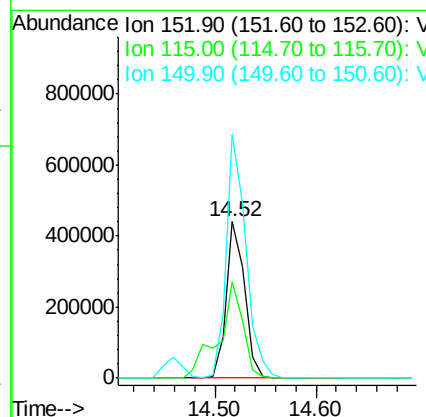
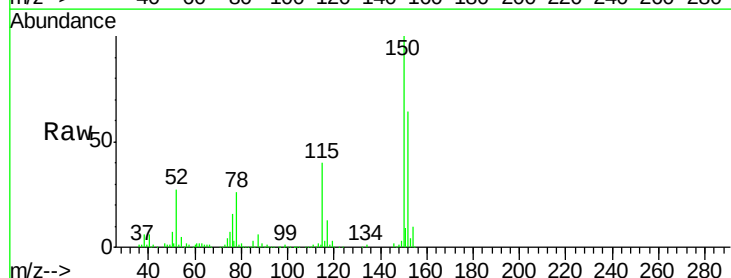
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

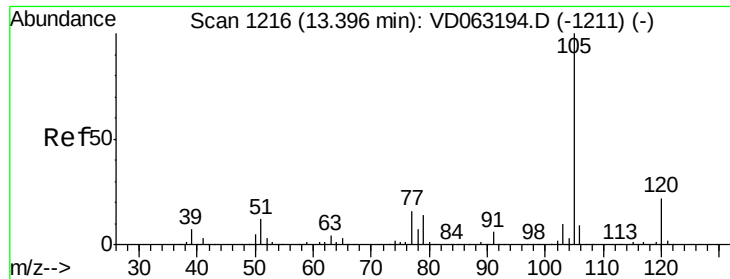
Tot Ion:173 Resp: 269144
Ion Ratio Lower Upper
173 100
175 46.1 23.8 71.5
254 6.7 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:152 Resp: 559282
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.4
150 155.5 0.0 320.6





#73

Isopropylbenzene

Concen: 47.230 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

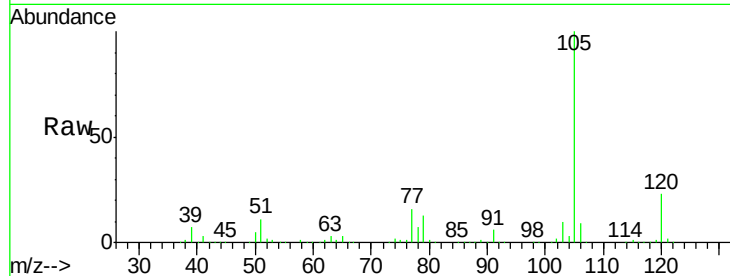
VSTDCCC050EC

Tot Ion:105 Resp: 1657891

Ion Ratio Lower Upper

105 100

120 23.3 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

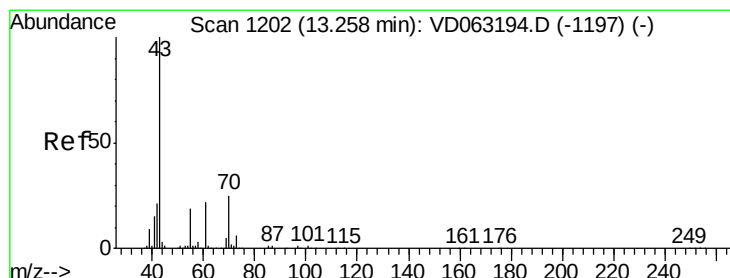
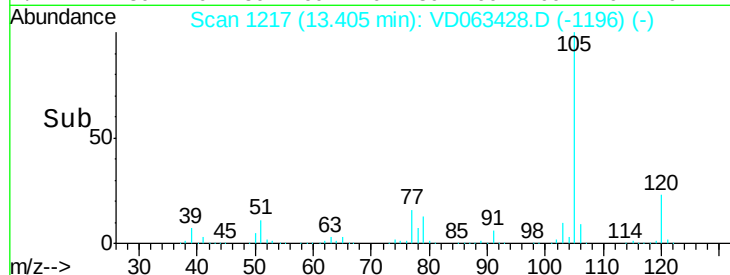
13.40

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 42.261 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 392162

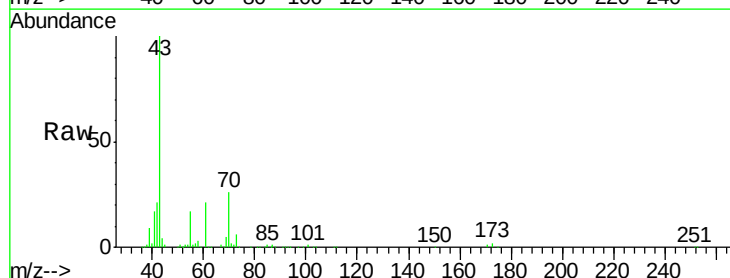
Ion Ratio Lower Upper

43 100

70 26.2 20.2 30.4

55 17.3 14.9 22.3

61 20.6 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

500000

400000

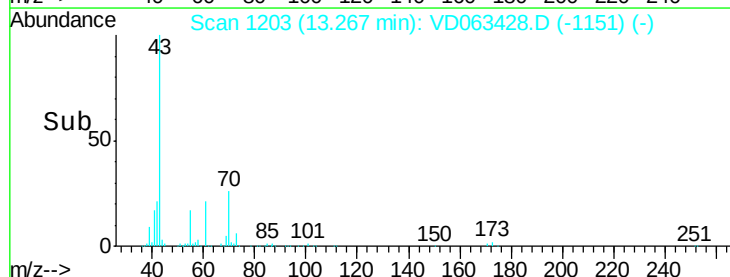
300000

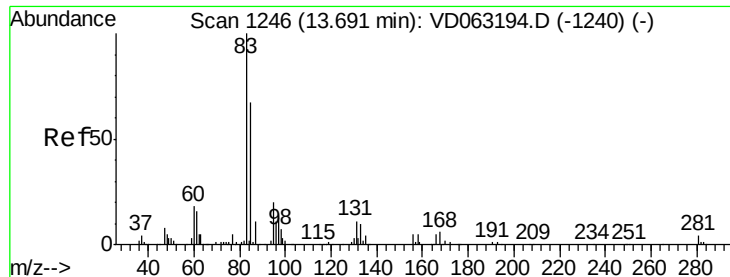
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.337 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

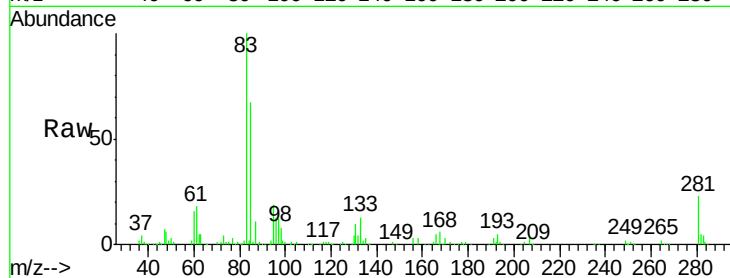
Tot Ion: 83 Resp: 258400

Ion Ratio Lower Upper

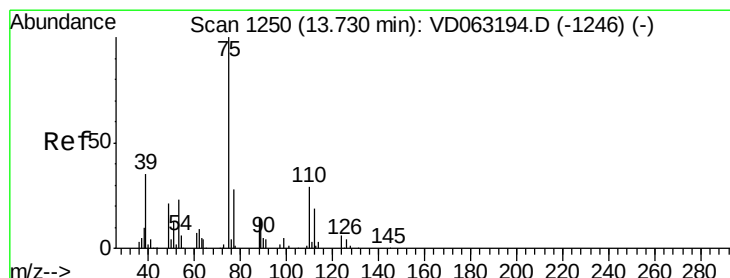
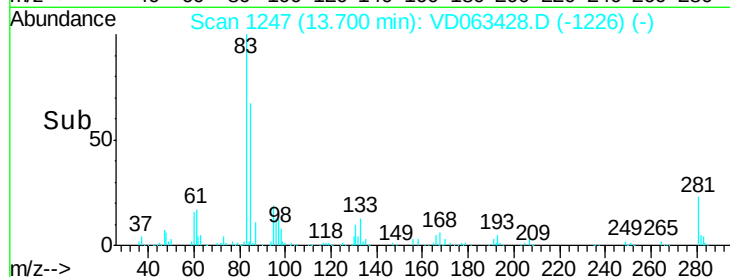
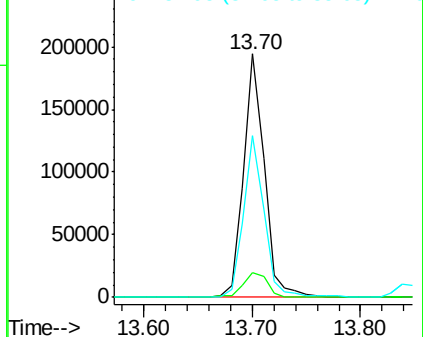
83 100

131 10.4 5.5 16.7

85 66.6 33.7 101.1



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: 43.150 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063428.D

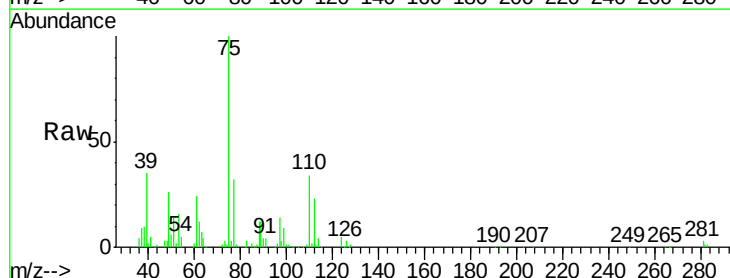
Acq: 7 Aug 2019 19:13

Tgt Ion: 75 Resp: 289866

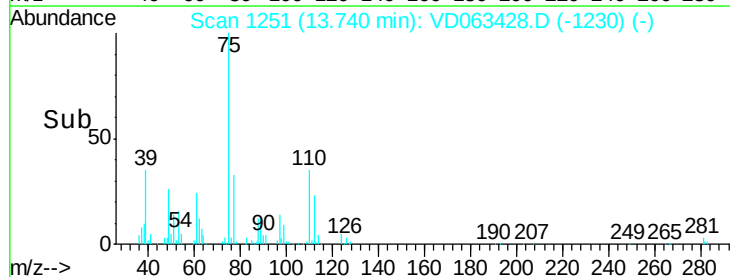
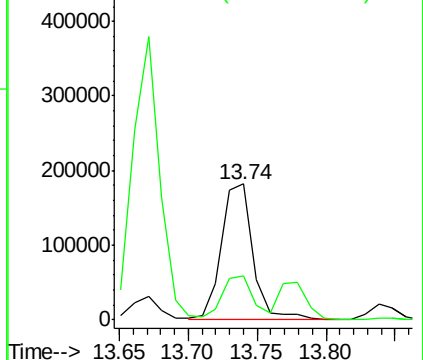
Ion Ratio Lower Upper

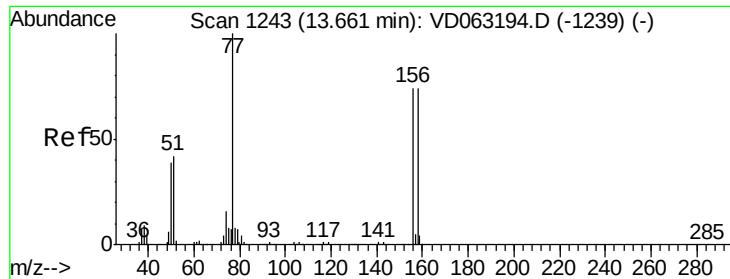
75 100

77 32.3 16.0 48.0



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





#77

Bromobenzene

Concen: 43.401 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

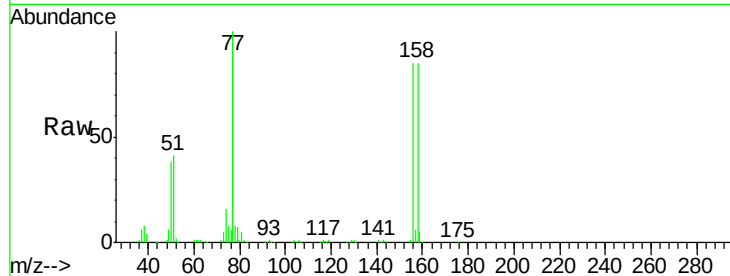
Tot Ion:156 Resp: 433989

Ion Ratio Lower Upper

156 100

77 118.3 67.6 202.8

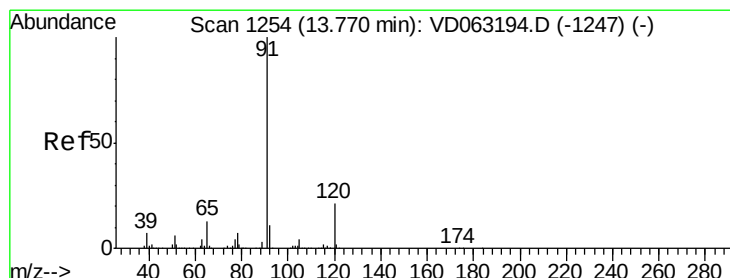
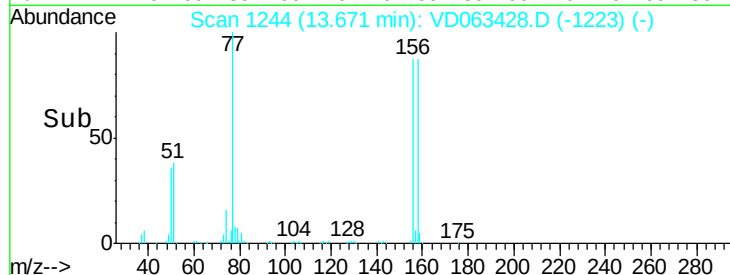
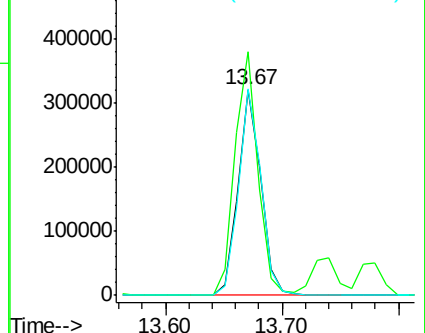
158 100.4 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 42.519 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063428.D

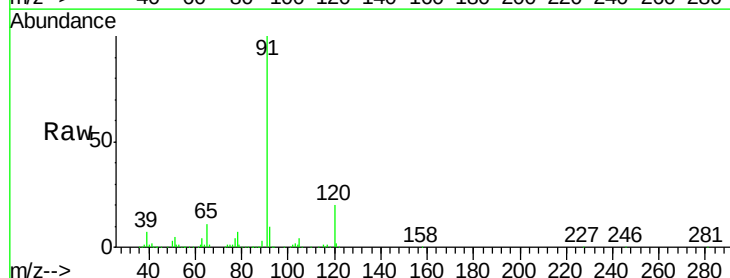
Acq: 7 Aug 2019 19:13

Tgt Ion: 91 Resp: 1776112

Ion Ratio Lower Upper

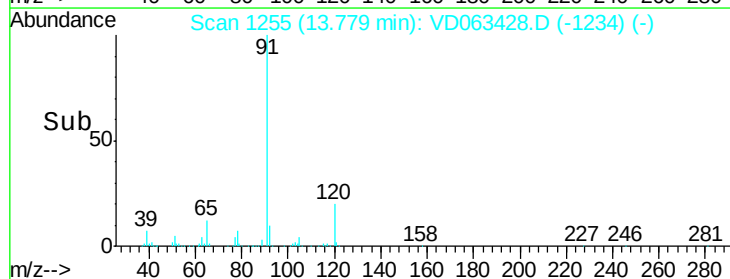
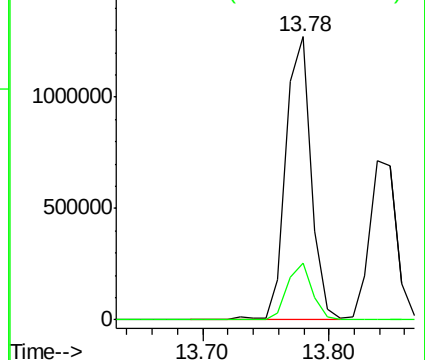
91 100

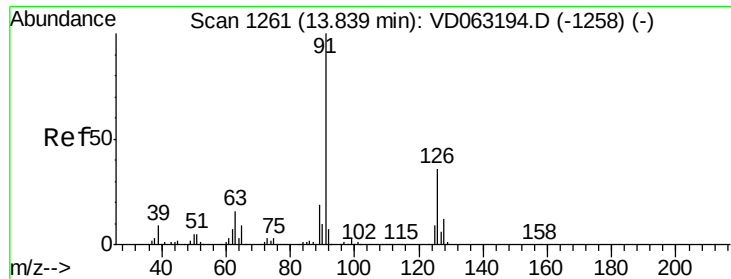
120 20.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.852 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

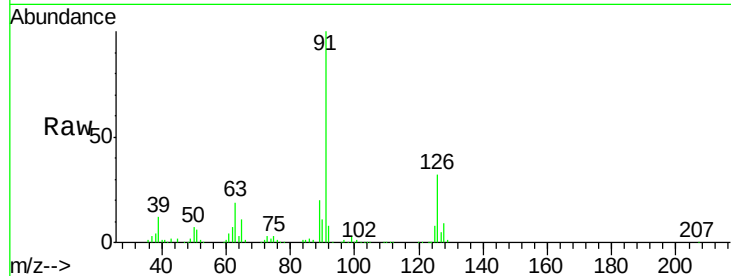
VSTDCCC050EC

Tot Ion: 91 Resp: 1061408

Ion Ratio Lower Upper

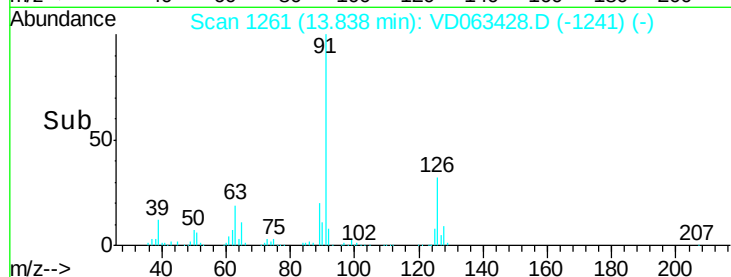
91 100

126 32.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063194.D (-1258) (-)

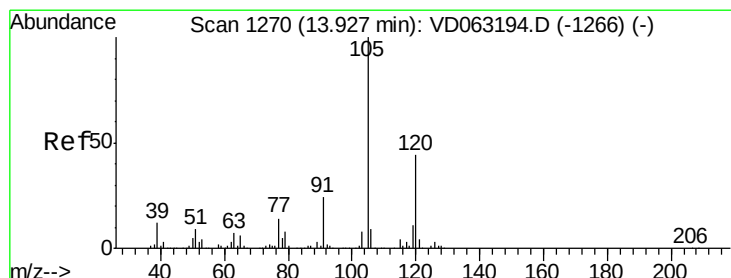


Abundance Ion 91.00 (90.70 to 91.70): VD063428.D (-1241) (-)

Ion 125.95 (125.65 to 126.65): VD063428.D (-1241) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.341 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063428.D

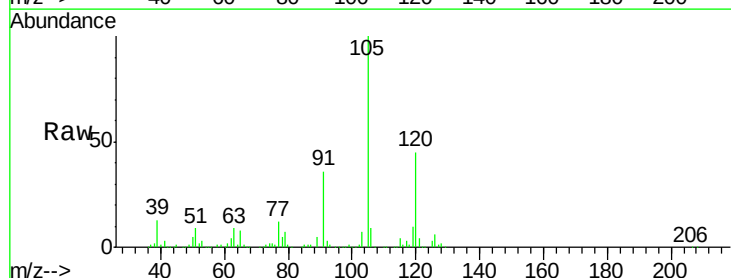
Acq: 7 Aug 2019 19:13

Tgt Ion: 105 Resp: 1372727

Ion Ratio Lower Upper

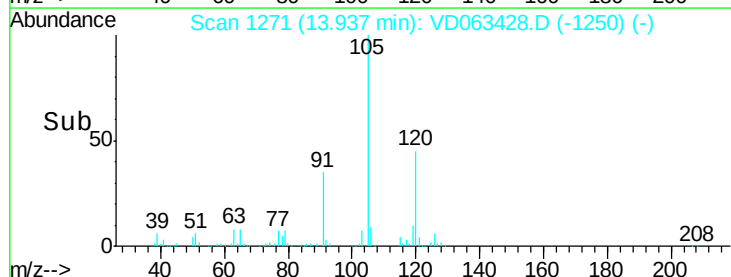
105 100

120 45.1 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1266) (-)

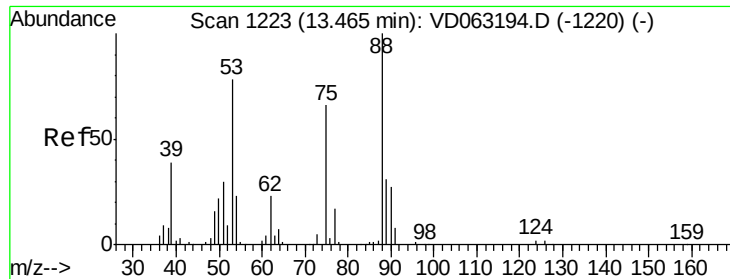


Abundance Ion 105.05 (104.75 to 105.75): VD063428.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD063428.D (-1250) (-)



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 41.795 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

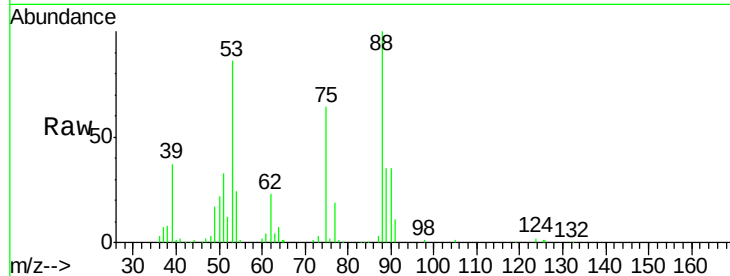
Tot Ion: 75 Resp: 77963

Ion Ratio Lower Upper

75 100

53 135.8 94.9 142.3

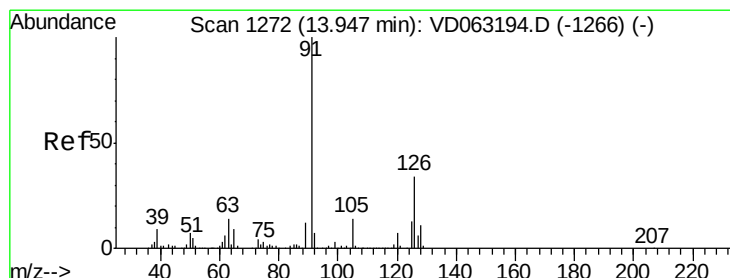
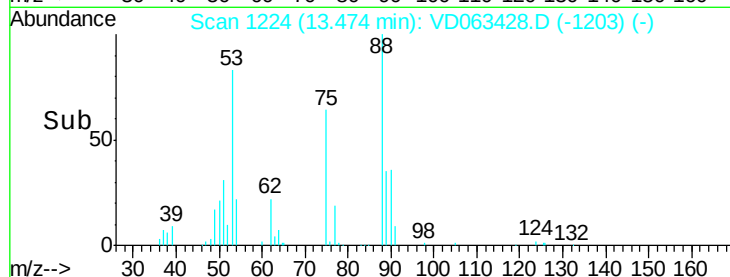
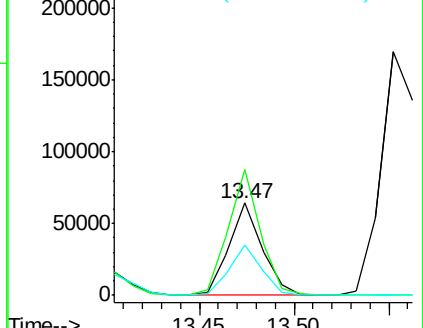
89 54.4 37.4 56.0



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: 45.921 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063428.D

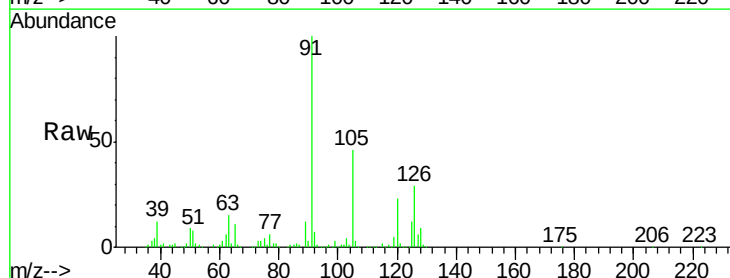
Acq: 7 Aug 2019 19:13

Tgt Ion: 91 Resp: 1308087

Ion Ratio Lower Upper

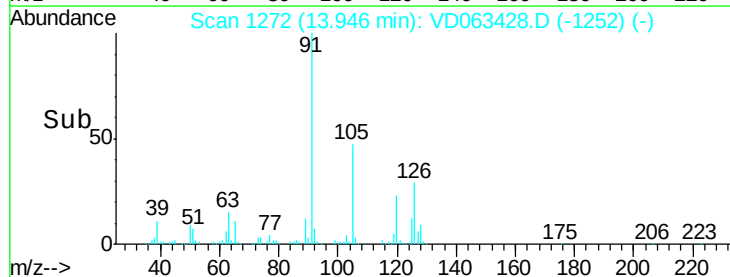
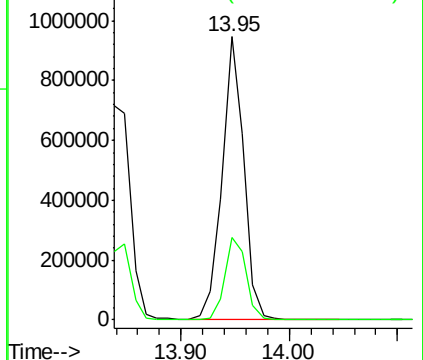
91 100

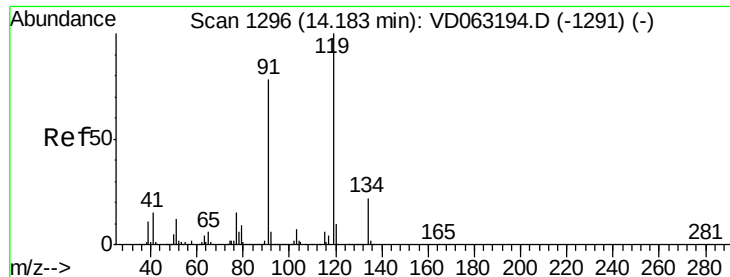
126 29.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 43.613 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

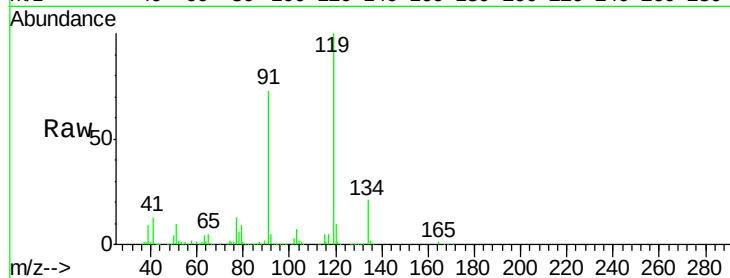
Tot Ion:119 Resp: 1507665

Ion Ratio Lower Upper

119 100

91 72.8 39.1 117.5

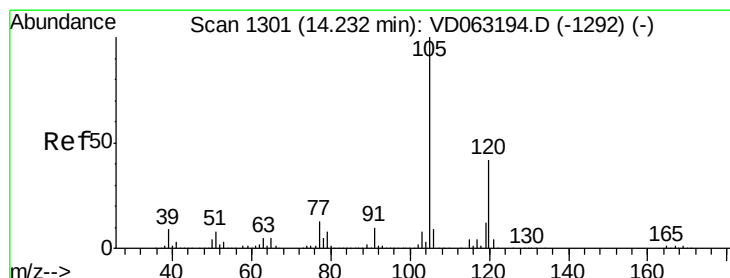
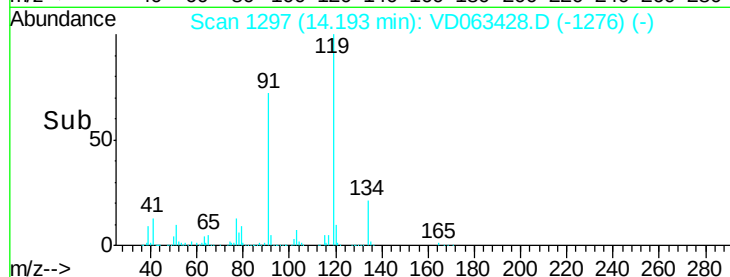
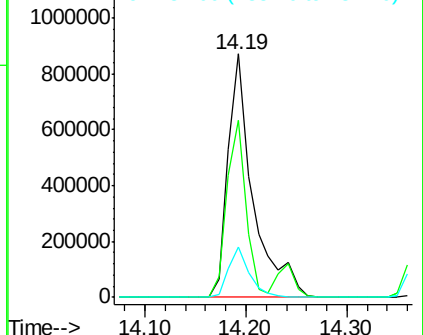
134 20.8 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.729 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063428.D

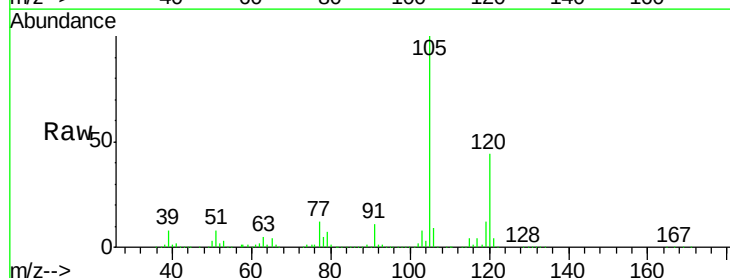
Acq: 7 Aug 2019 19:13

Tgt Ion:105 Resp: 1338073

Ion Ratio Lower Upper

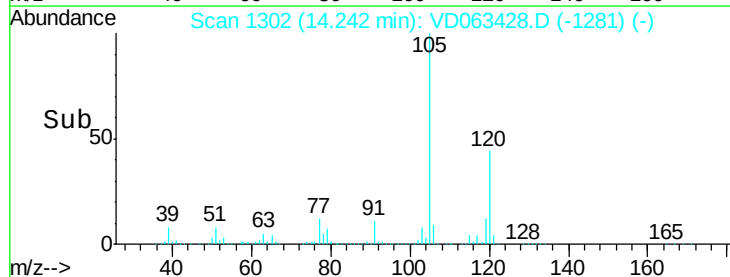
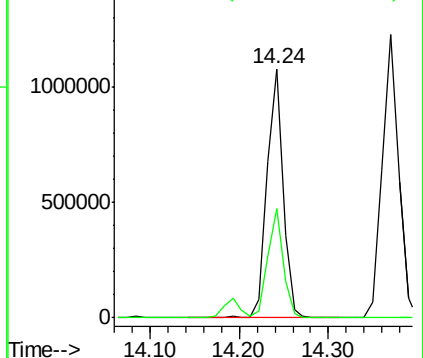
105 100

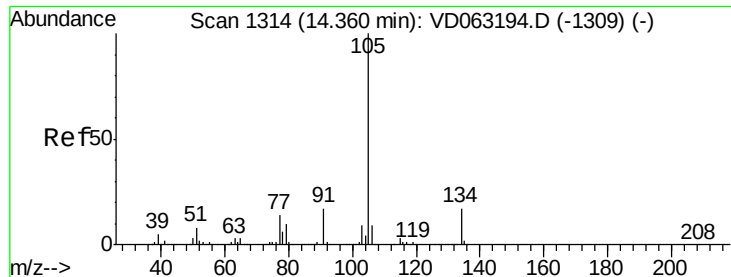
120 43.7 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 42.529 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

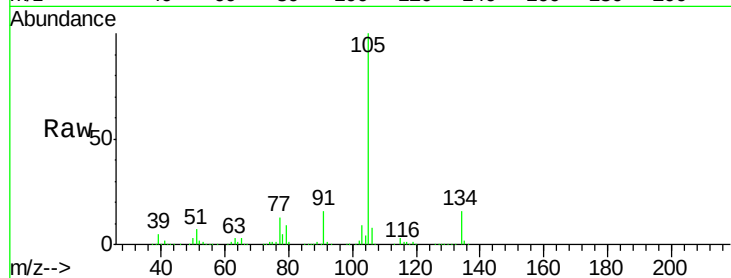
VSTDCCC050EC

Tot Ion:105 Resp: 1548968

Ion Ratio Lower Upper

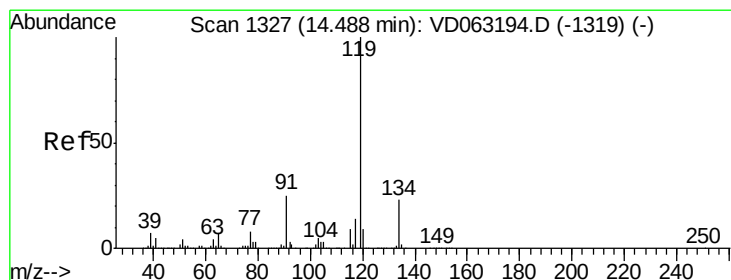
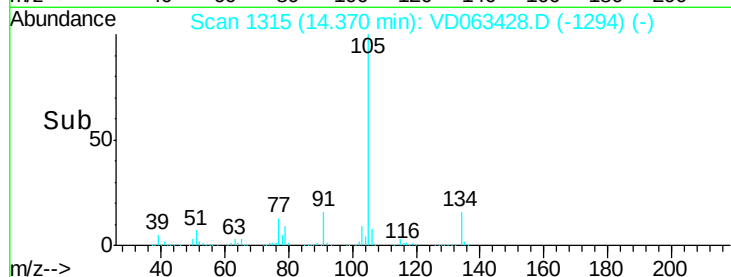
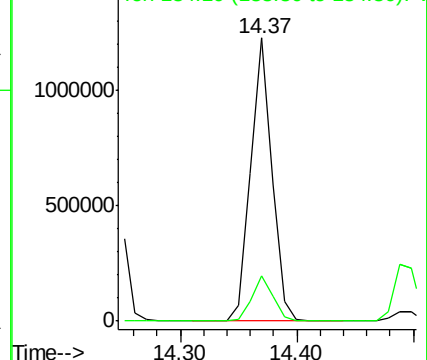
105 100

134 16.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 43.014 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

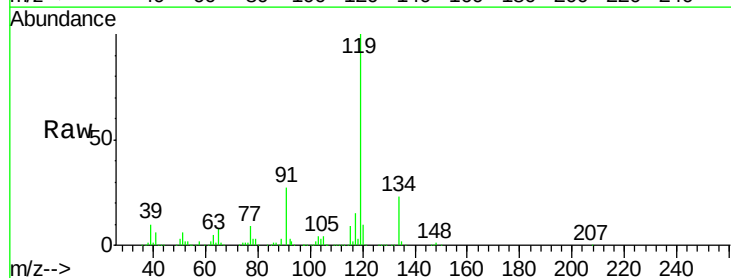
Tgt Ion:119 Resp: 1495259

Ion Ratio Lower Upper

119 100

134 23.2 11.5 34.5

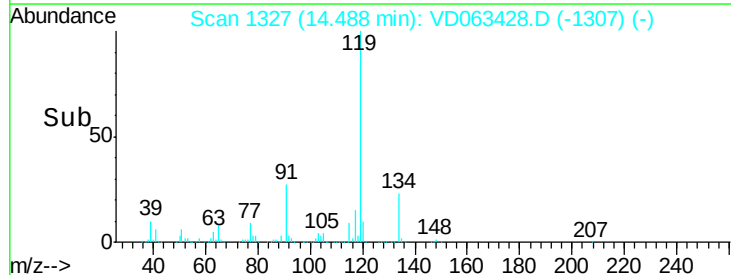
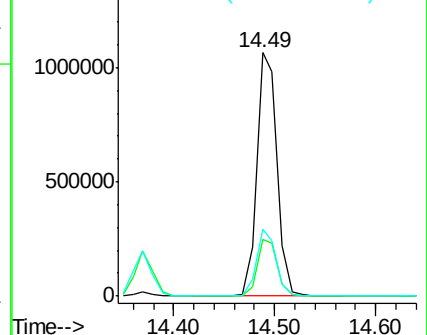
91 27.3 12.6 37.6

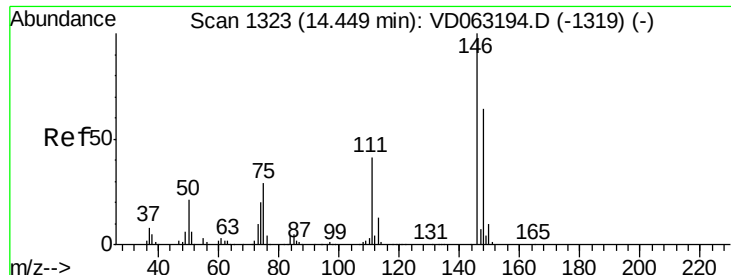


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

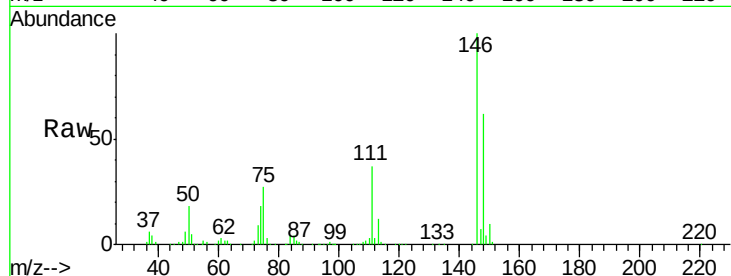




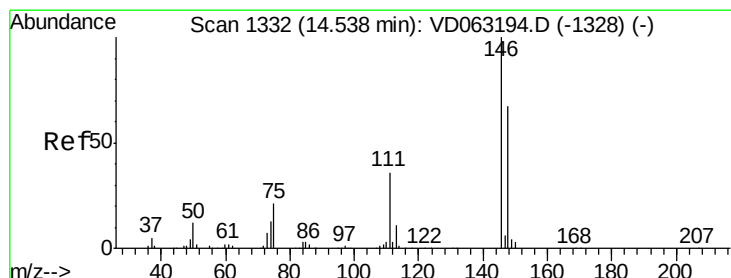
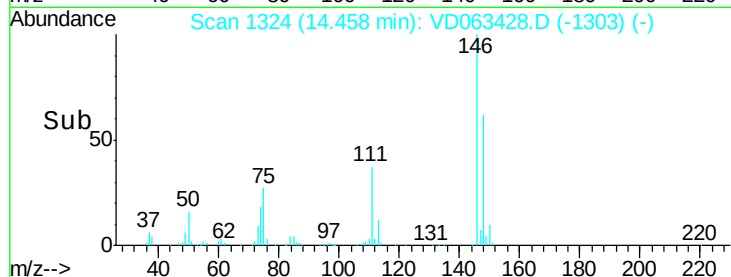
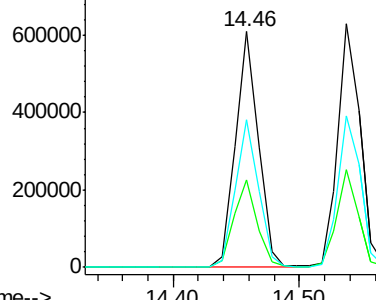
#87
 1,3-Dichlorobenzene
 Concen: 43.763 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 774978
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.4 61.3
 148 62.3 31.8 95.4

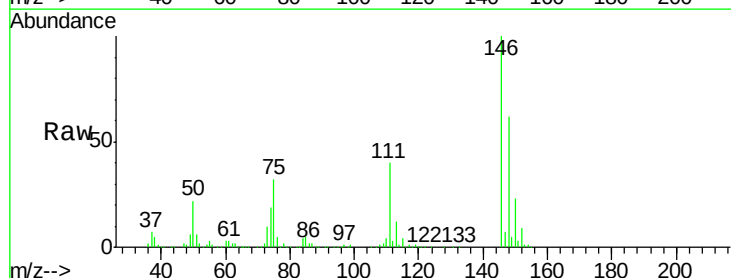


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

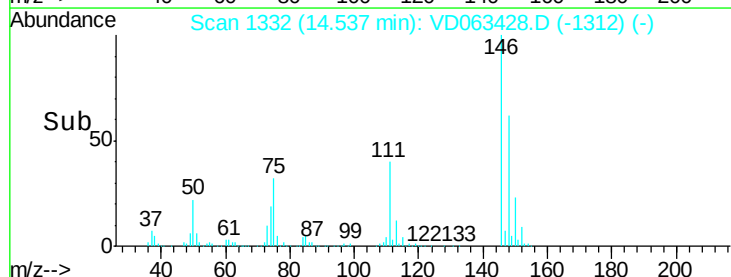
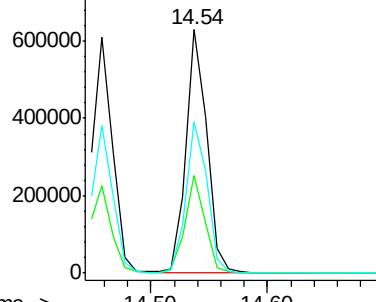


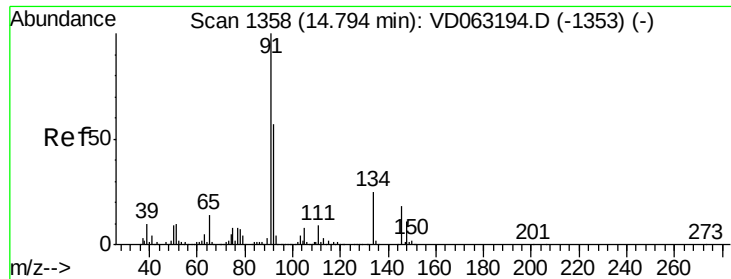
#88
 1,4-Dichlorobenzene
 Concen: 43.449 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:146 Resp: 778037
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.1 54.3
 148 62.0 33.4 100.1



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: 46.442 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

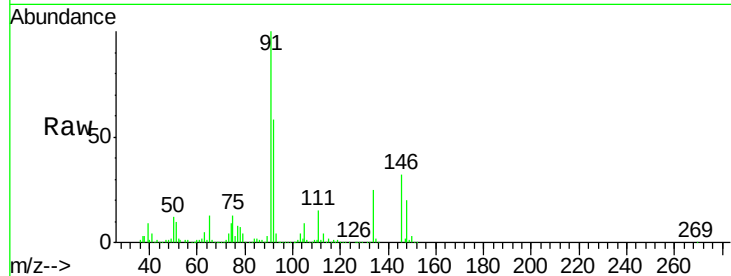
Tot Ion: 91 Resp: 1394352

Ion Ratio Lower Upper

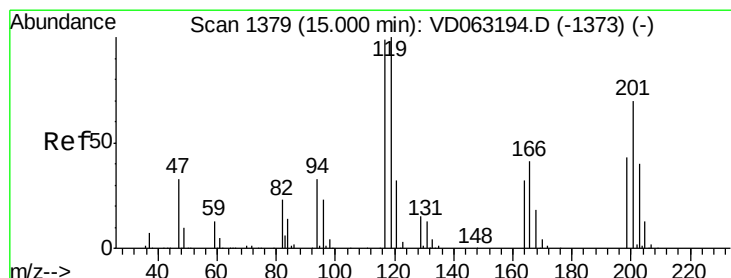
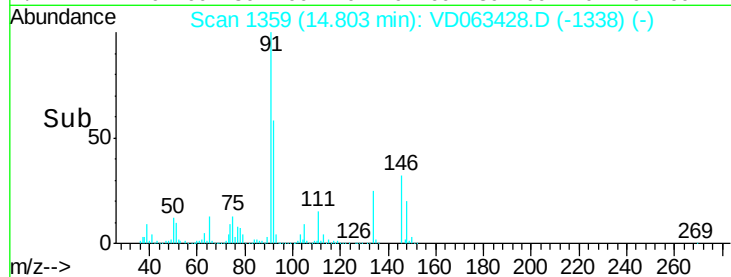
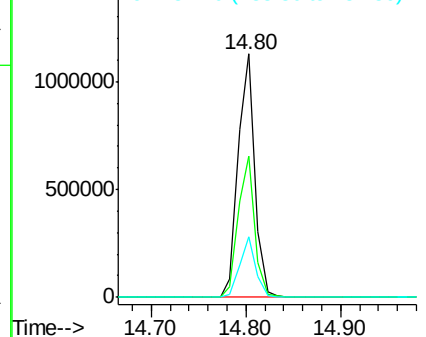
91 100

92 58.1 28.3 85.0

134 24.6 12.3 36.8



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



#90

Hexachloroethane

Concen: 43.305 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063428.D

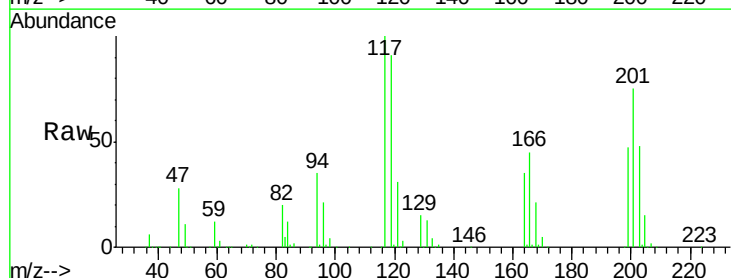
Acq: 7 Aug 2019 19:13

Tgt Ion: 117 Resp: 392204

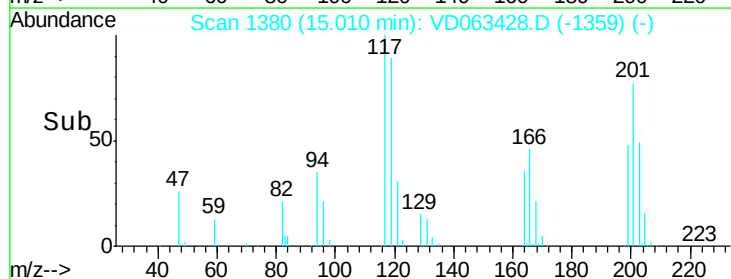
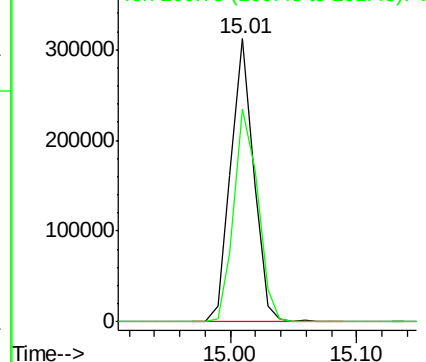
Ion Ratio Lower Upper

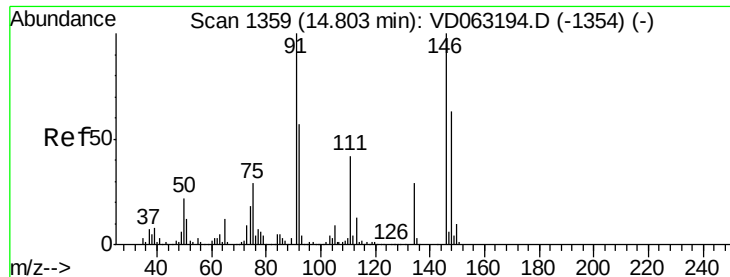
117 100

201 75.3 35.2 105.6



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

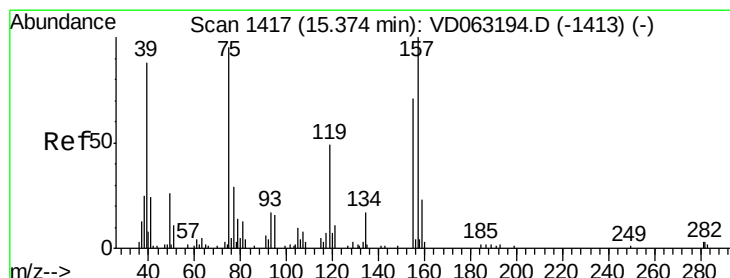
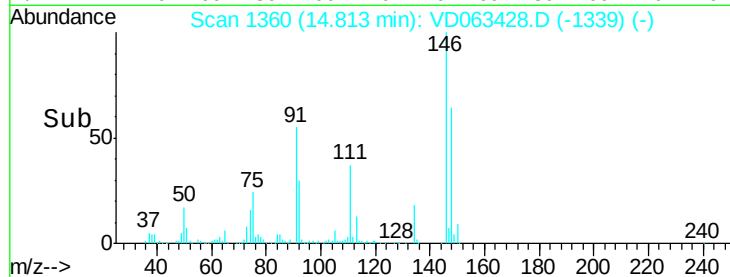
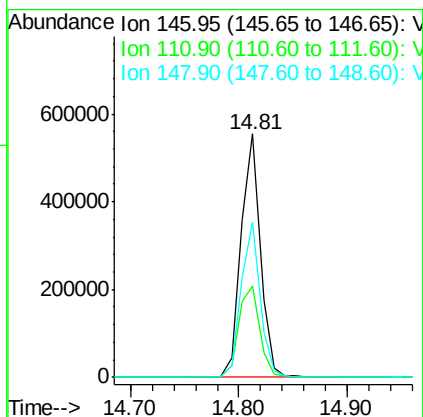
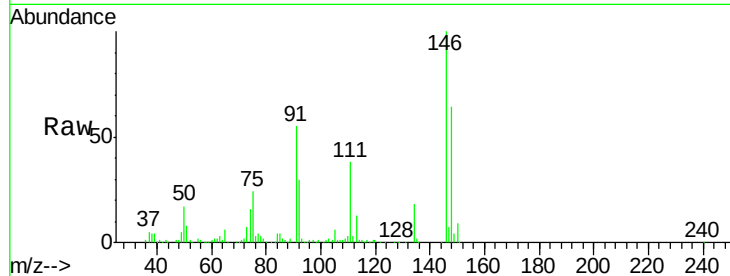




#91
 1,2-Dichlorobenzene
 Concen: 44.814 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

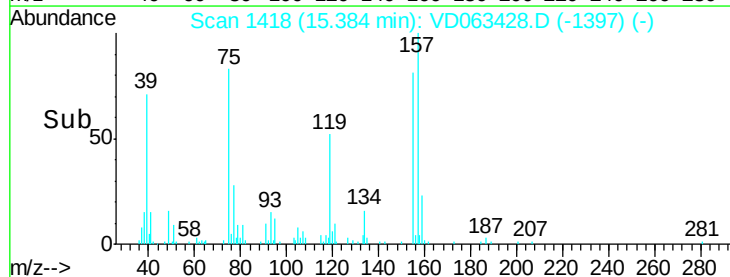
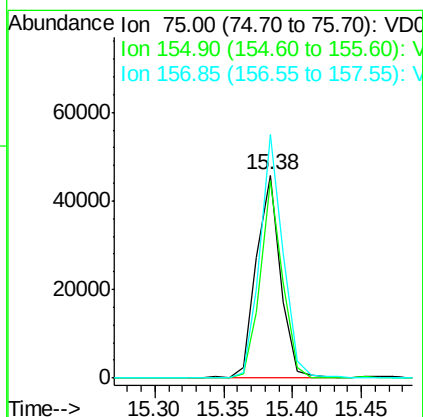
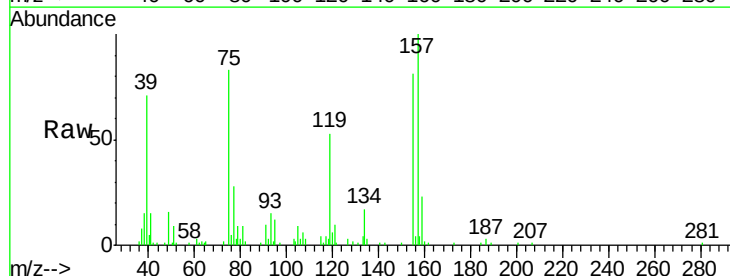
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

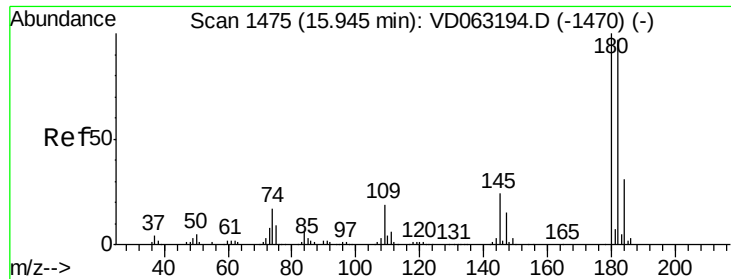
Tot Ion:146 Resp: 691441
 Ion Ratio Lower Upper
 146 100
 111 37.6 21.1 63.3
 148 63.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.466 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 75 Resp: 56435
 Ion Ratio Lower Upper
 75 100
 155 97.4 37.0 111.0
 157 120.1 52.4 157.2

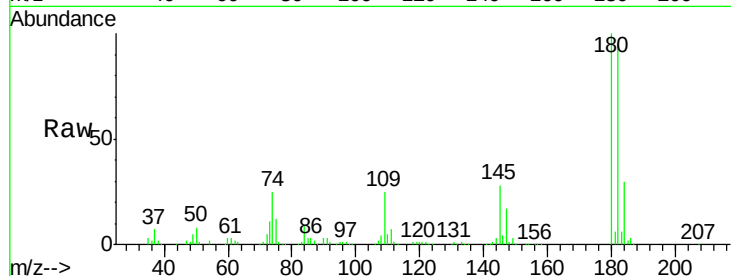




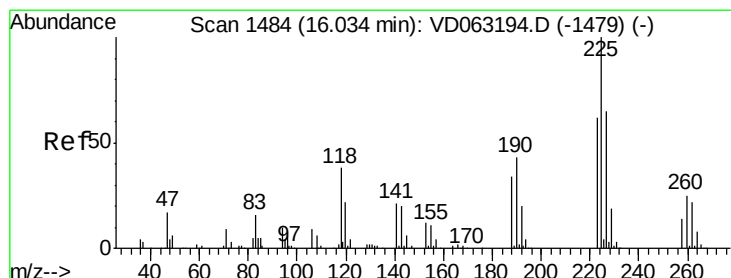
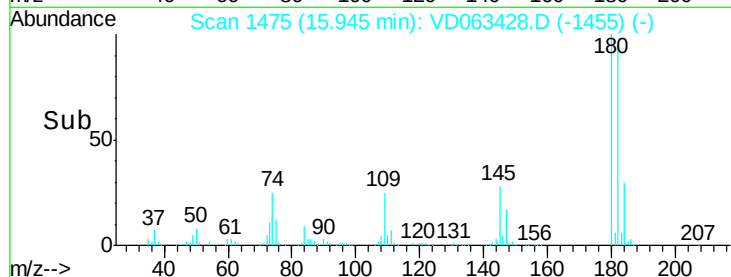
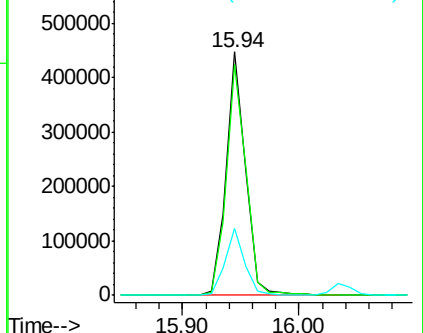
#93
 1,2,4-Trichlorobenzene
 Concen: 42.091 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.6	145.8
145	27.7	12.2	36.6

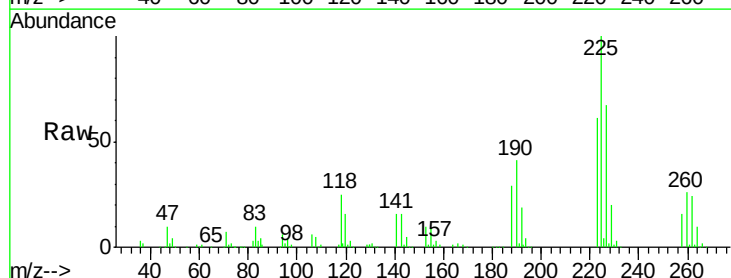


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

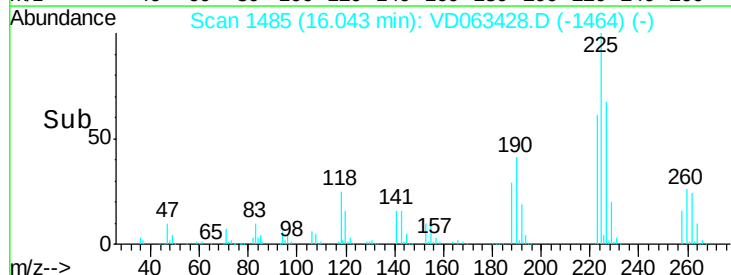
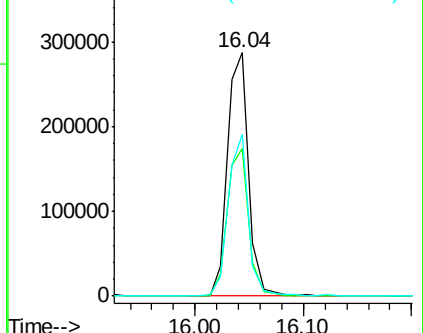


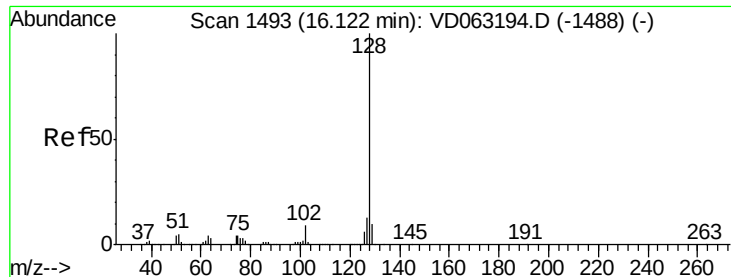
#94
 Hexachlorobutadiene
 Concen: 43.871 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.5
227	66.6	32.6	97.7



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

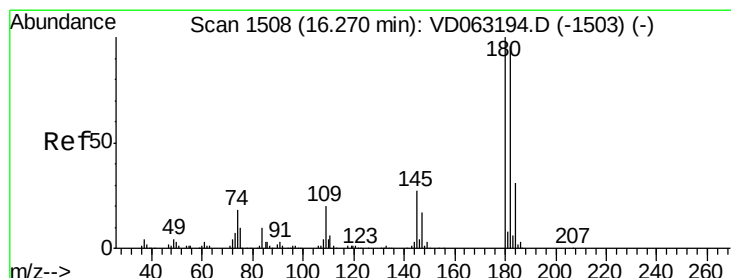
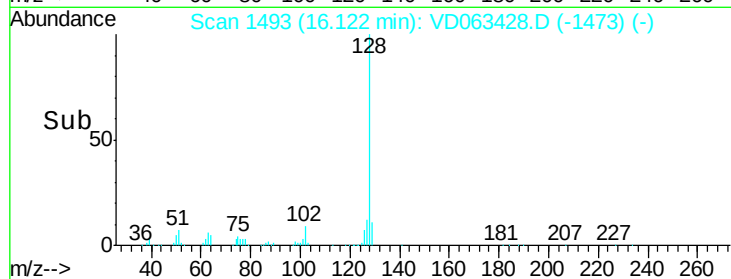
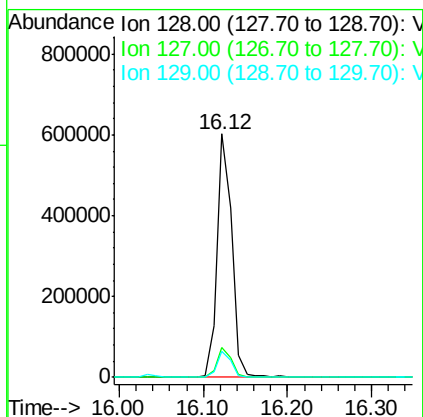
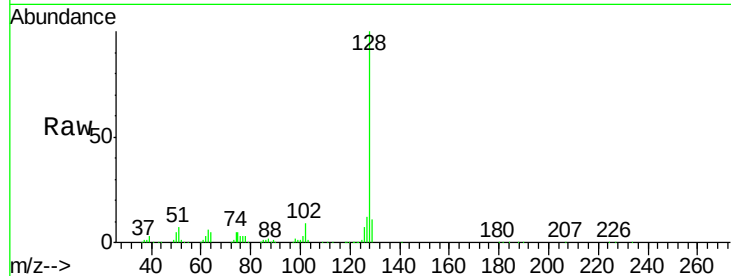




#95
Naphthalene
Concen: 42.337 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 732420
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 42.020 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:180 Resp: 406310
Ion Ratio Lower Upper
180 100
182 96.8 48.3 144.9
145 30.3 13.6 40.7

