

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063229.D
 Acq On : 30 Jul 2019 6:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 30 08:40:54 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	741444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1085009	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1014393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	519473	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	535809	65.13	ug/l	0.00
Spiked Amount			Recovery	=	130.26%	
35) Dibromofluoromethane	6.92	113	551518	59.54	ug/l	0.00
Spiked Amount			Recovery	=	119.08%	
50) Toluene-d8	10.41	98	1218799	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
62) 4-Bromofluorobenzene	13.55	95	566559	59.97	ug/l	0.00
Spiked Amount			Recovery	=	119.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	359612	39.678	ug/l	94
3) Chloromethane	1.74	50	320222	45.476	ug/l #	86
4) Vinyl Chloride	1.84	62	296661	40.697	ug/l	96
5) Bromomethane	2.14	94	206621	56.201	ug/l	98
6) Chloroethane	2.26	64	178379	53.001	ug/l	92
7) Trichlorofluoromethane	2.53	101	653423	46.205	ug/l	98
8) Diethyl Ether	2.86	74	114889	58.049	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	380395	48.559	ug/l	94
10) Methyl Iodide	3.29	142	602279	53.221	ug/l	98
11) Tert butyl alcohol	4.06	59	98051	271.578	ug/l	99
12) 1,1-Dichloroethene	3.12	96	260530	45.302	ug/l	93
13) Acrolein	3.03	56	72955	209.962	ug/l	84
14) Allyl chloride	3.61	41	465677	50.830	ug/l	91
15) Acrylonitrile	4.19	53	282752	302.076	ug/l #	82
16) Acetone	3.22	43	429428	267.899	ug/l	100
17) Carbon Disulfide	3.36	76	838924	43.583	ug/l	100
18) Methyl Acetate	3.63	43	198674	64.526	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	764802	58.874	ug/l	95
20) Methylene Chloride	3.81	84	338028	52.170	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	327098	50.691	ug/l	95
22) Diisopropyl ether	5.12	45	1058141	57.811	ug/l	96
23) Vinyl Acetate	5.05	43	3298067	293.130	ug/l	100
24) 1,1-Dichloroethane	4.97	63	612823	52.416	ug/l	96
25) 2-Butanone	6.06	43	486309	302.301	ug/l #	90
26) 2,2-Dichloropropane	6.01	77	544987	45.233	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	381783	55.185	ug/l	97
28) Bromochloromethane	6.43	49	251670	54.027	ug/l #	88
29) Tetrahydrofuran	6.45	42	221651	291.020	ug/l	99
30) Chloroform	6.66	83	802508	55.310	ug/l	98
31) Cyclohexane	6.95	56	309643	42.253	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	723115	51.525	ug/l	98
36) 1,1-Dichloropropene	7.14	75	449231	45.367	ug/l	93
37) Ethyl Acetate	6.18	43	258999	58.220	ug/l	99
38) Carbon Tetrachloride	7.10	117	745910	50.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	358265	43.426	ug/l	99
40) Benzene	7.45	78	1035676	49.905	ug/l	98
41) Methacrylonitrile	6.44	41	318066	59.771	ug/l #	87
42) 1,2-Dichloroethane	7.58	62	640031	58.192	ug/l	99
43) Isopropyl Acetate	9.24	43	335689	59.073	ug/l #	99
44) Trichloroethene	8.53	130	437233	51.994	ug/l	90
45) 1,2-Dichloropropane	8.94	63	269866	51.161	ug/l	95
46) Dibromomethane	9.06	93	257979	58.819	ug/l	93
47) Bromodichloromethane	9.37	83	651172	58.243	ug/l	91
48) Methyl methacrylate	9.11	41	236291	64.113	ug/l	92
49) 1,4-Dioxane	9.07	88	36908	1182.921	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1138768	294.662	ug/l	98
52) Toluene	10.51	92	729047	52.819	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	560990	58.201	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	561043	55.383	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	282708	60.645	ug/l	97
56) Ethyl methacrylate	11.04	69	305973	59.940	ug/l	93
57) 1,3-Dichloropropane	11.41	76	424282	57.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	805879	303.400	ug/l	100
59) 2-Hexanone	11.53	43	860393	308.934	ug/l	100
60) Dibromochloromethane	11.68	129	537716	61.101	ug/l	99
61) 1,2-Dibromoethane	11.80	107	354384	61.608	ug/l	99
64) Tetrachloroethene	11.26	164	400623	49.574	ug/l	96
65) Chlorobenzene	12.40	112	959884	49.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	433953	50.492	ug/l	96
67) Ethyl Benzene	12.52	91	1496580	45.152	ug/l	99
68) m/p-Xylenes	12.67	106	1114846	91.716	ug/l	95
69) o-Xylene	13.05	106	557146	49.913	ug/l	99
70) Styrene	13.07	104	980286	49.520	ug/l	99
71) Bromoform	13.24	173	365094	58.414	ug/l	97
73) Isopropylbenzene	13.40	105	1605562	49.245	ug/l	98
74) N-amyl acetate	13.27	43	458817	53.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	335427	60.566	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	349881	56.075	ug/l	98
77) Bromobenzene	13.67	156	496474	53.454	ug/l	85
78) n-propylbenzene	13.77	91	1929071	49.719	ug/l	96
79) 2-Chlorotoluene	13.84	91	1065189	47.381	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1443185	51.321	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	92787	53.554	ug/l	99
82) 4-Chlorotoluene	13.95	91	1366482	51.648	ug/l	97
83) tert-Butylbenzene	14.19	119	1612313	50.215	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1453942	49.987	ug/l	99
85) sec-Butylbenzene	14.37	105	1665837	49.243	ug/l	98
86) p-Isopropyltoluene	14.49	119	1468431	45.479	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	809017	49.186	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	845330	50.824	ug/l	97
89) n-Butylbenzene	14.80	91	1199326	43.007	ug/l	99
90) Hexachloroethane	15.01	117	434775	51.684	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	721685	50.359	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62276	55.204	ug/l	68

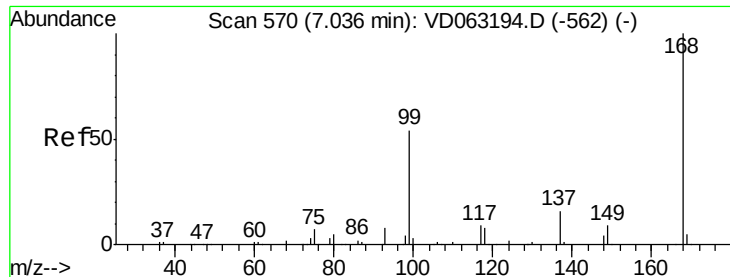
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	567976	49.959	ug/l	100
94) Hexachlorobutadiene	16.03	225	392332	47.621	ug/l	98
95) Naphthalene	16.12	128	969866	60.358	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	488985	54.446	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: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

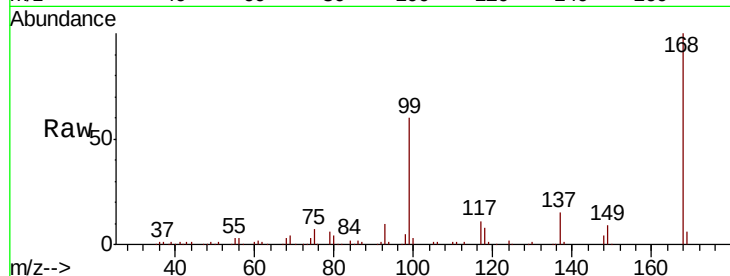
VSTDCCC050EC

Tot Ion:168 Resp: 741444

Ion Ratio Lower Upper

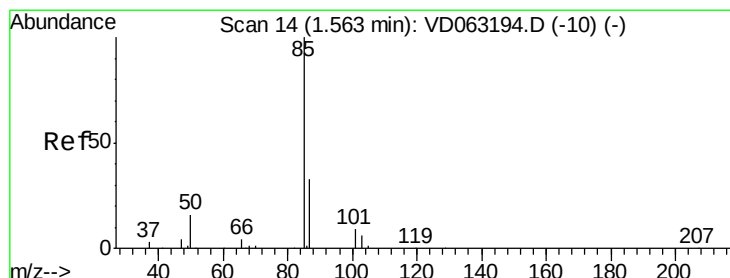
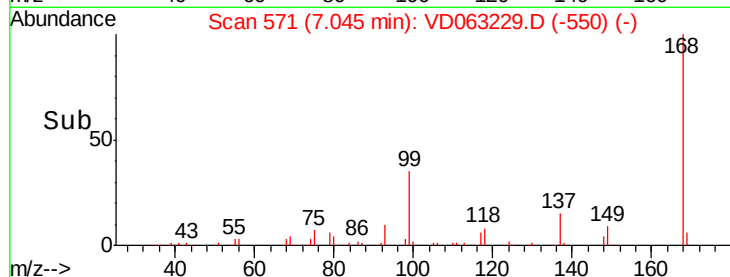
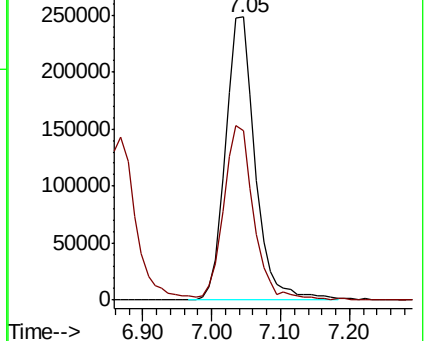
168 100

99 59.9 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: 39.678 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063229.D

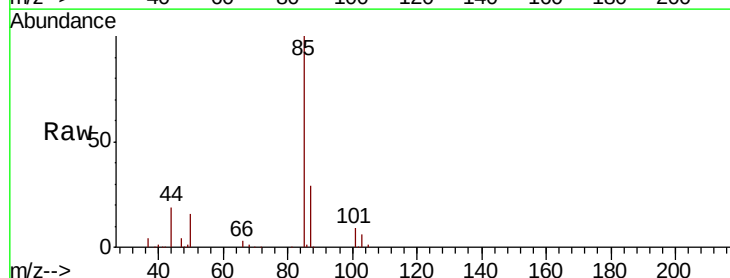
Acq: 30 Jul 2019 6:43

Tgt Ion: 85 Resp: 359612

Ion Ratio Lower Upper

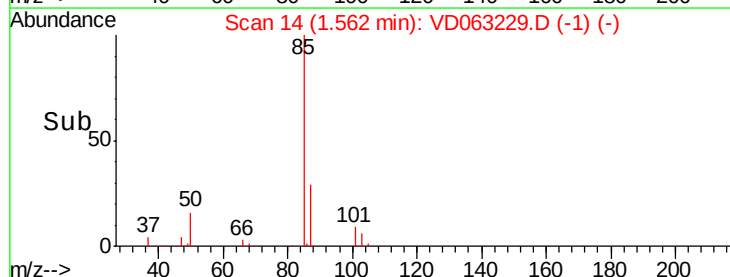
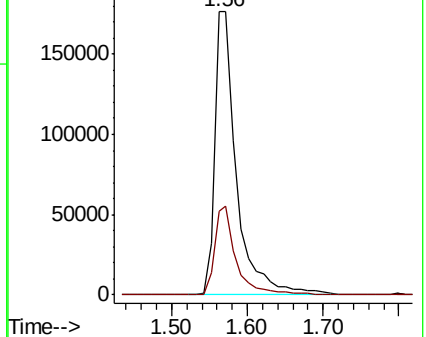
85 100

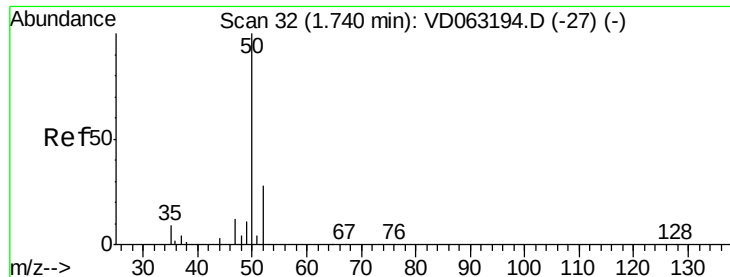
87 29.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.476 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

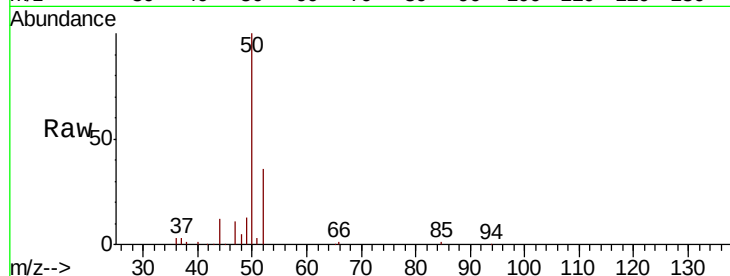
VSTDCCC050EC

Tot Ion: 50 Resp: 320222

Ion Ratio Lower Upper

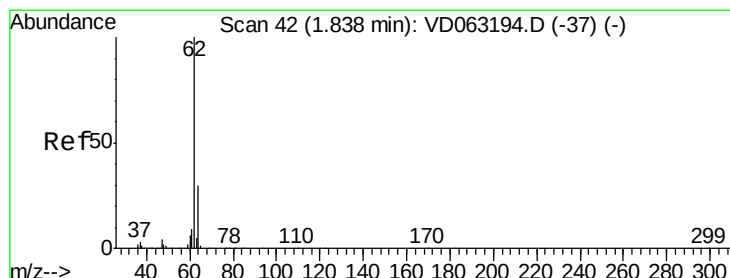
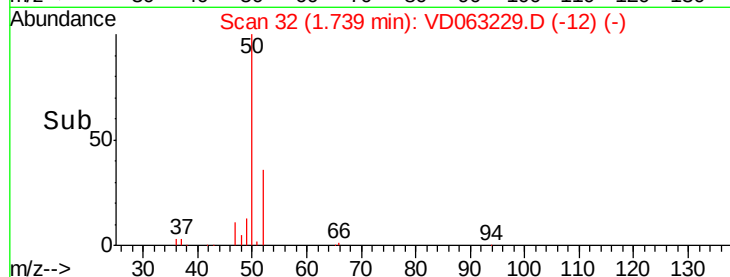
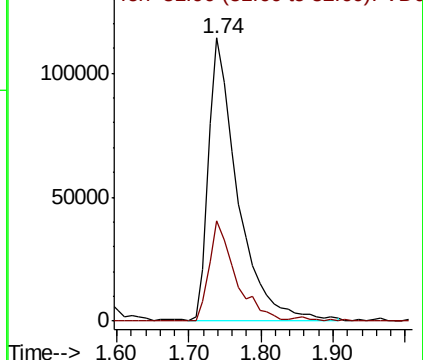
50 100

52 35.5 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.697 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063229.D

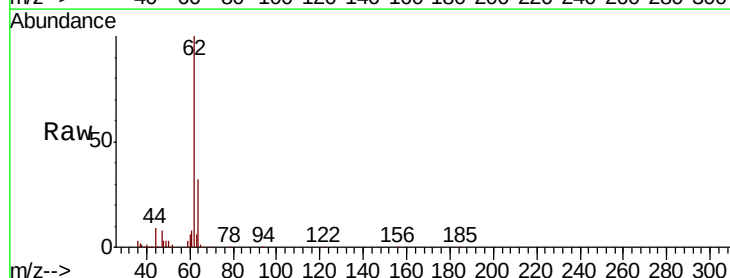
Acq: 30 Jul 2019 6:43

Tgt Ion: 62 Resp: 296661

Ion Ratio Lower Upper

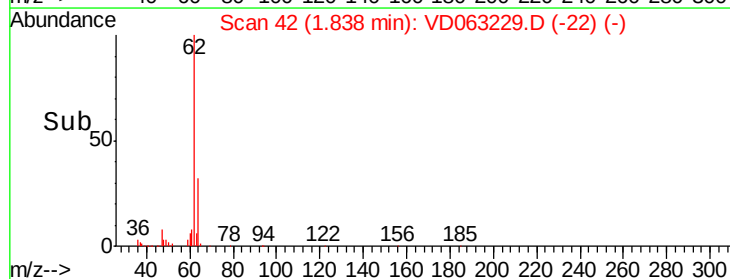
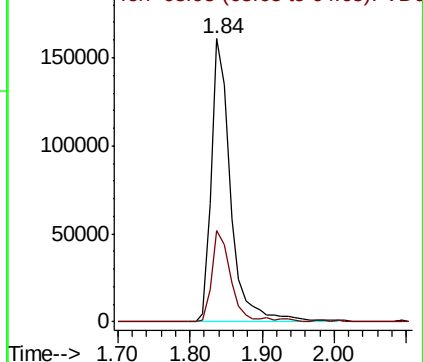
62 100

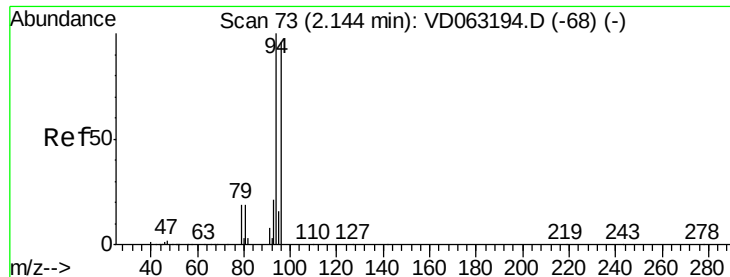
64 32.2 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.201 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

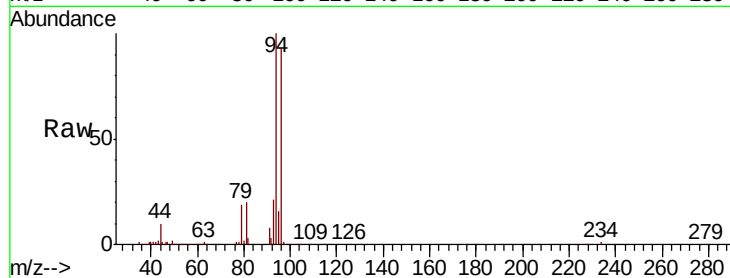
Tot Ion: 94 Resp: 206621

Ion Ratio Lower Upper

94 100

96 93.4 76.4 114.6

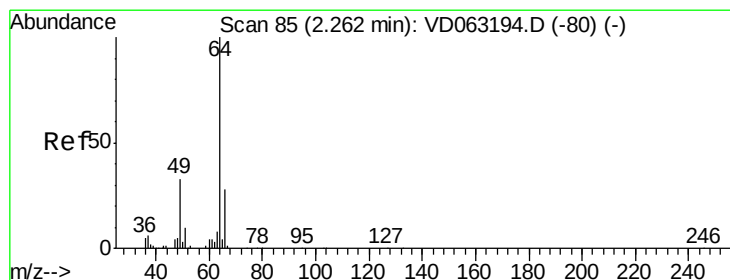
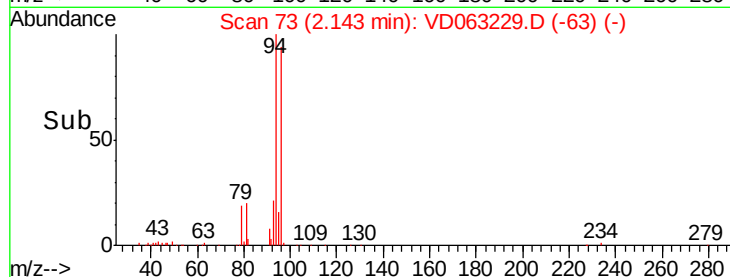
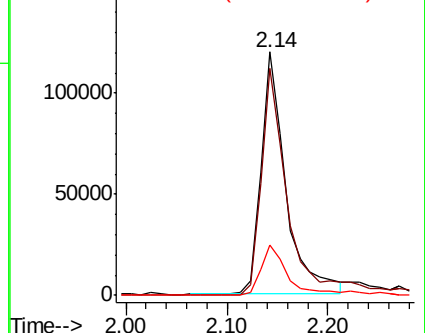
93 20.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.001 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063229.D

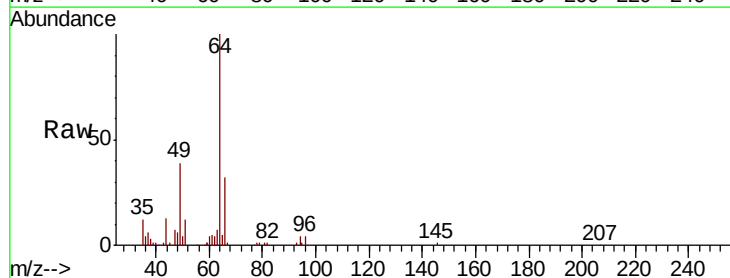
Acq: 30 Jul 2019 6:43

Tgt Ion: 64 Resp: 178379

Ion Ratio Lower Upper

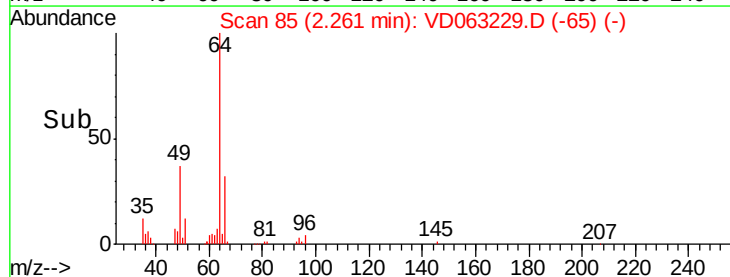
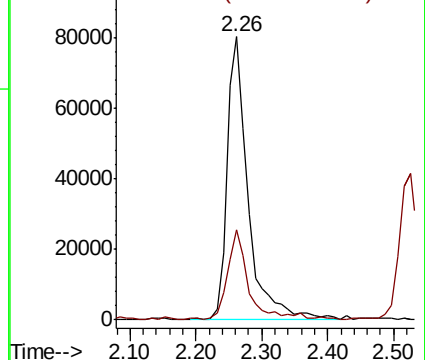
64 100

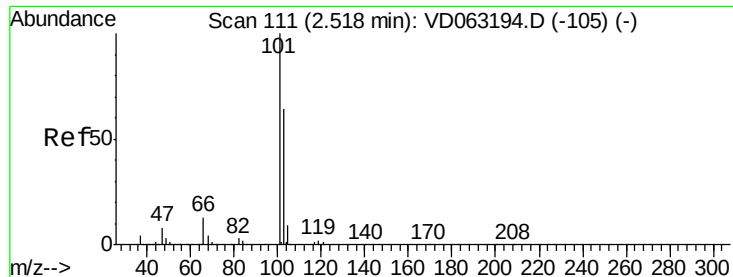
66 31.9 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



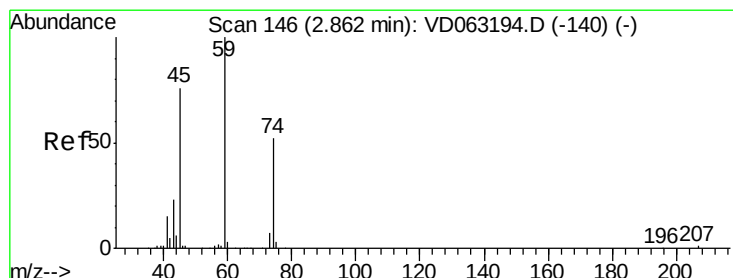
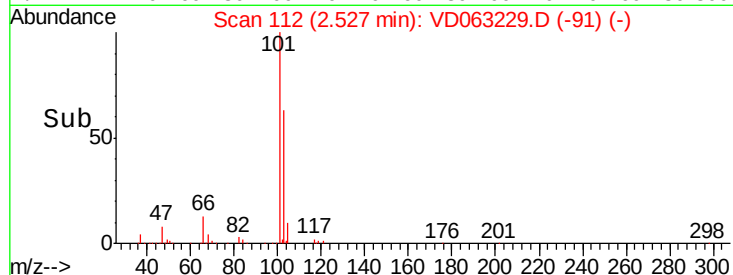
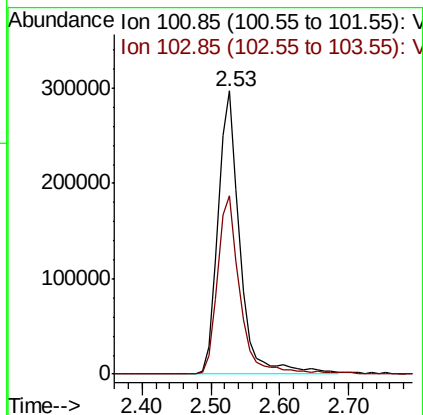
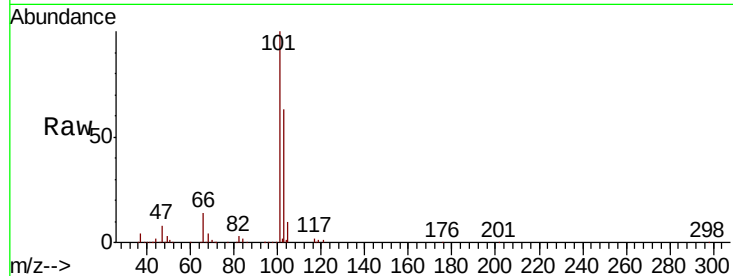


#7

Trichlorofluoromethane
 Concen: 46.205 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

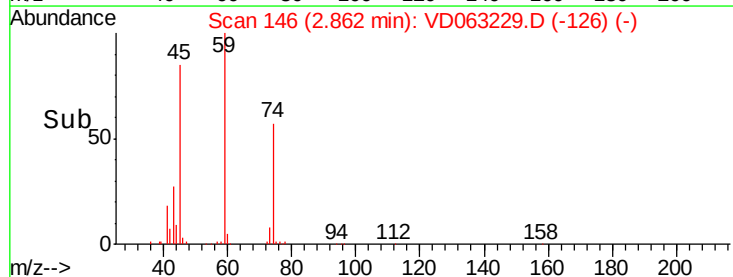
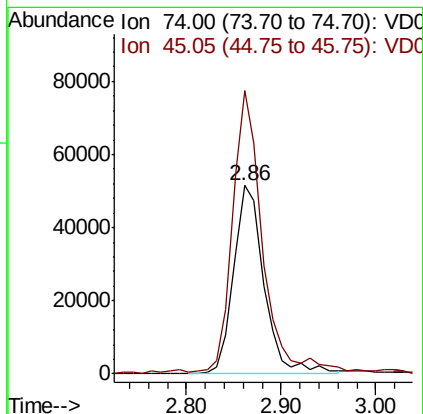
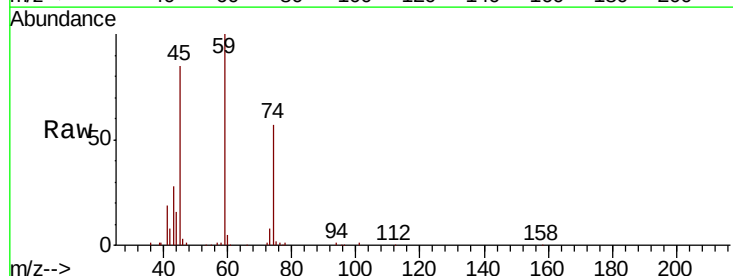
Tot Ion:101 Resp: 653423
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.5 77.3

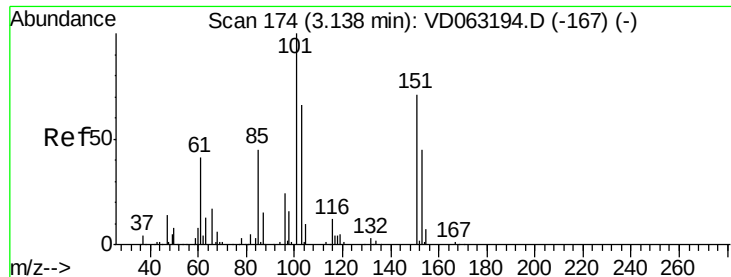


#8

Diethyl Ether
 Concen: 58.049 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 74 Resp: 114889
 Ion Ratio Lower Upper
 74 100
 45 150.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.559 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

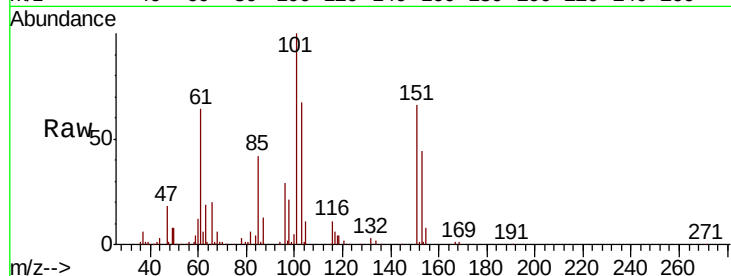
Tot Ion:101 Resp: 380395

Ion Ratio Lower Upper

101 100

85 41.9 36.1 54.1

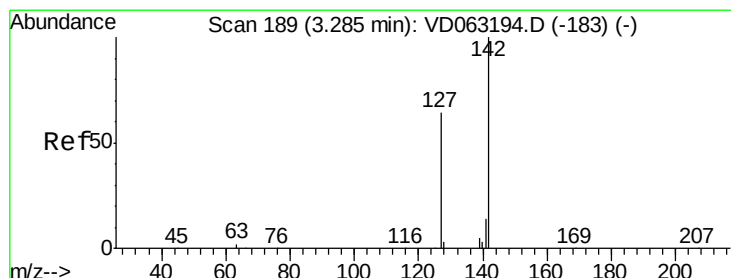
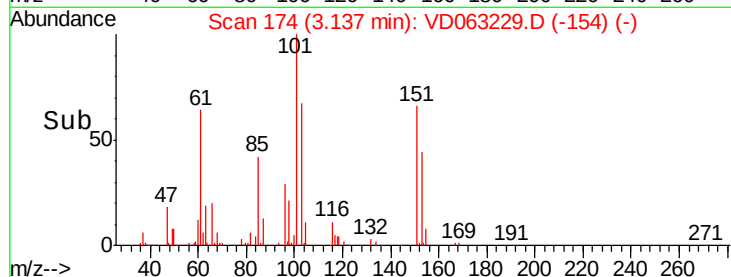
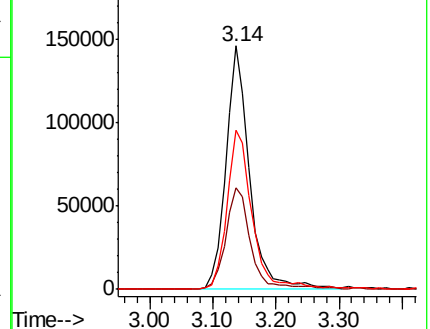
151 65.5 57.1 85.7



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: 53.221 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

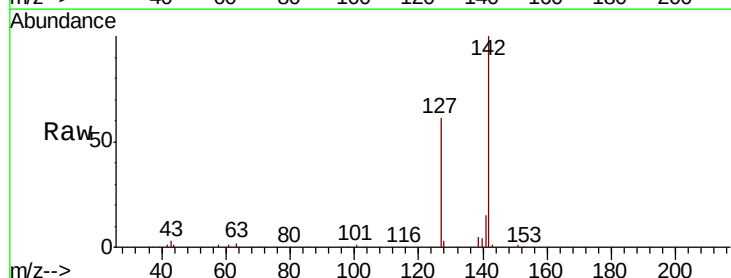
Tgt Ion:142 Resp: 602279

Ion Ratio Lower Upper

142 100

127 61.5 50.8 76.2

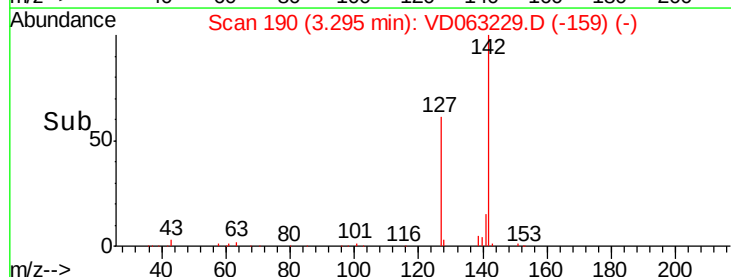
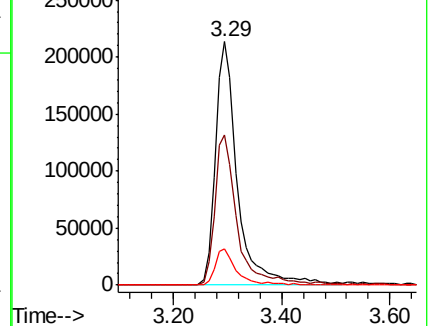
141 14.8 11.4 17.2

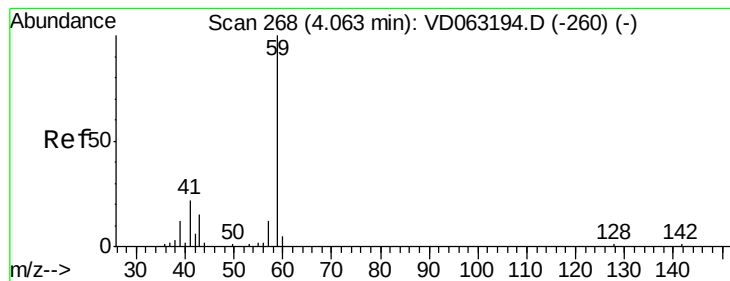


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



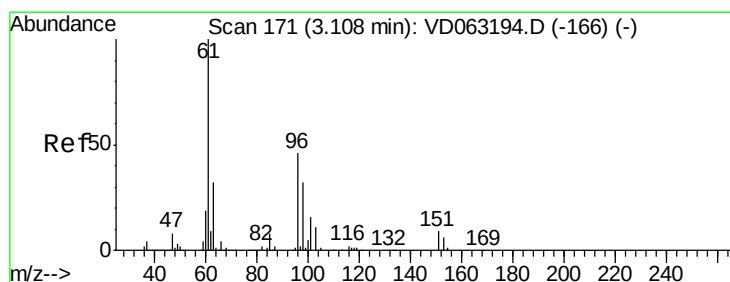
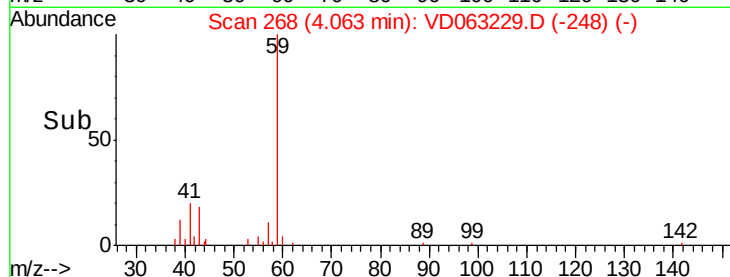
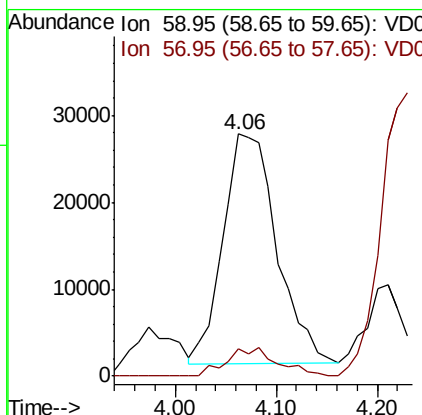
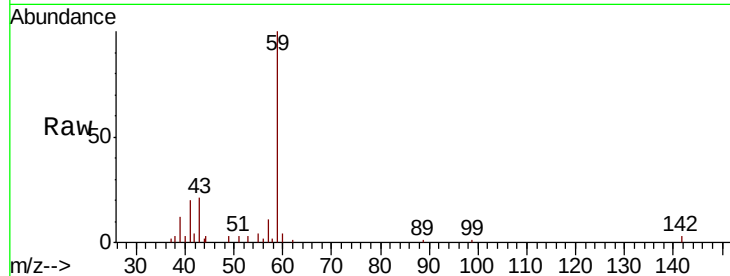


#11

Tert butyl alcohol
 Concen: 271.578 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

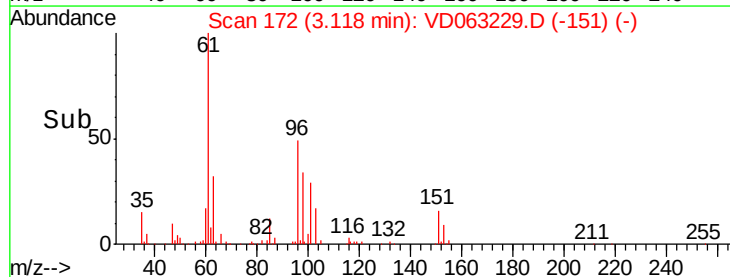
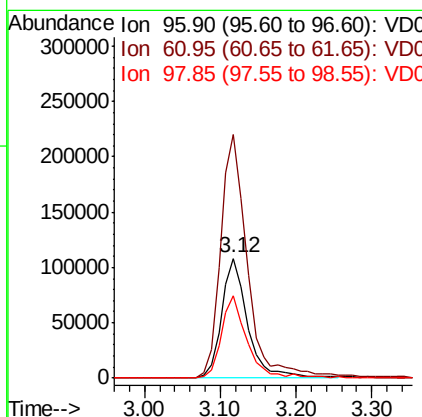
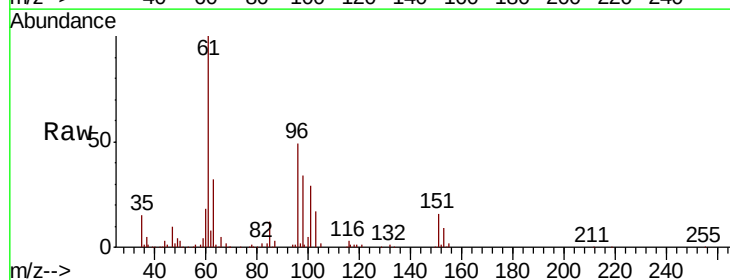
Tot Ion: 59 Resp: 98051
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.6 14.4

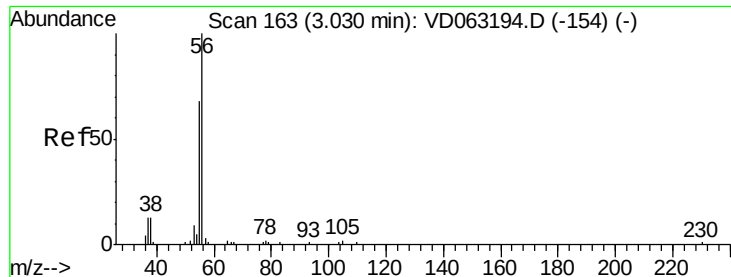


#12

1,1-Dichloroethene
 Concen: 45.302 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 96 Resp: 260530
 Ion Ratio Lower Upper
 96 100
 61 203.6 173.7 260.5
 98 69.4 55.8 83.8

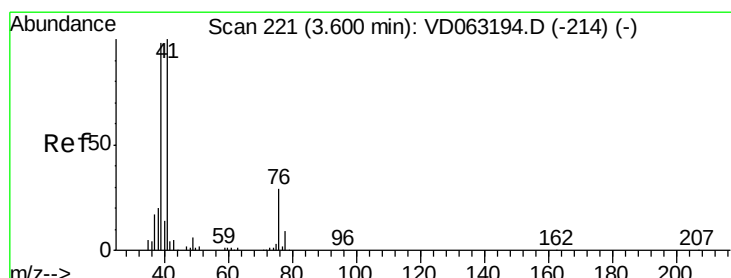
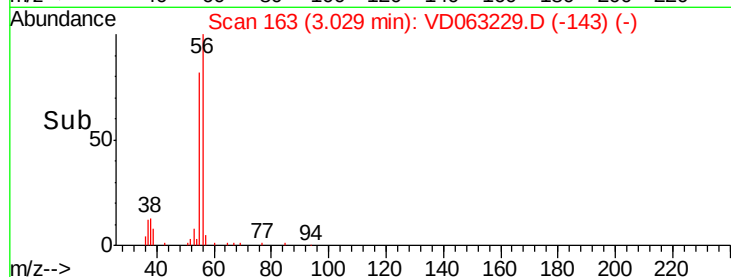
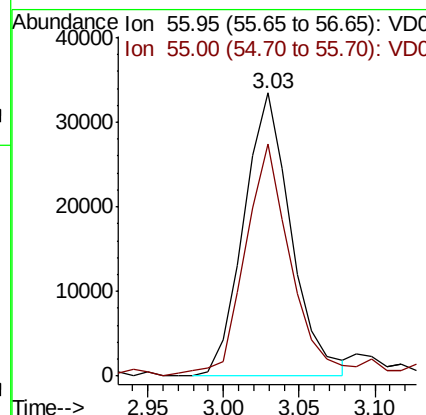
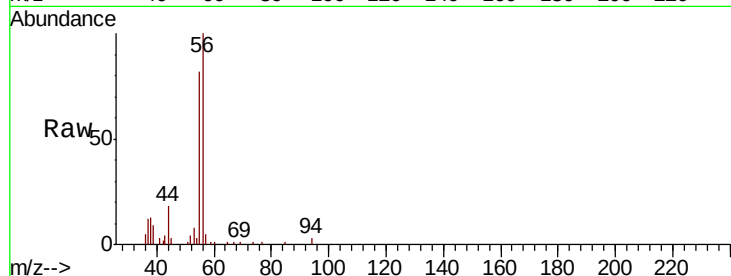




#13
Acrolein
Concen: 209.962 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

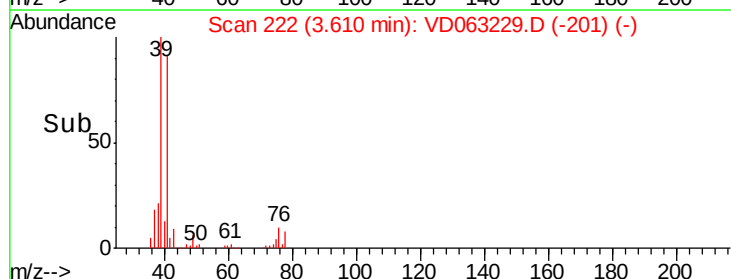
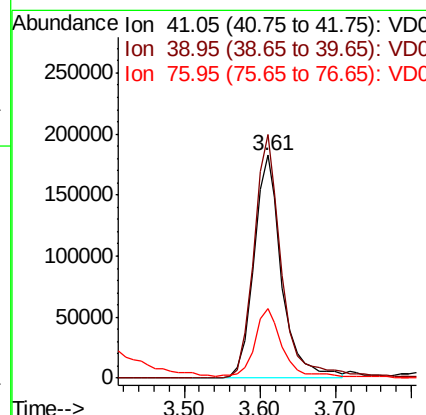
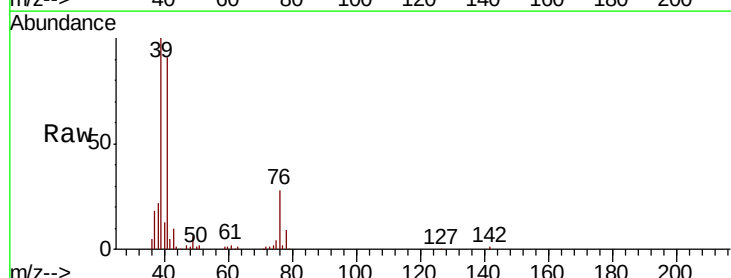
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

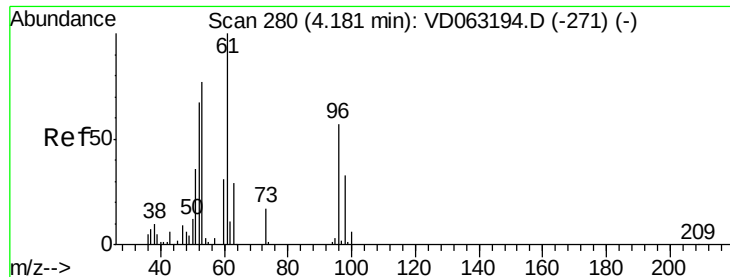
Tot Ion: 56 Resp: 72955
Ion Ratio Lower Upper
56 100
55 82.0 55.3 82.9



#14
Allyl chloride
Concen: 50.830 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 41 Resp: 465677
Ion Ratio Lower Upper
41 100
39 109.4 78.6 117.8
76 31.2 24.5 36.7





#15

Acrylonitrile

Concen: 302.076 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

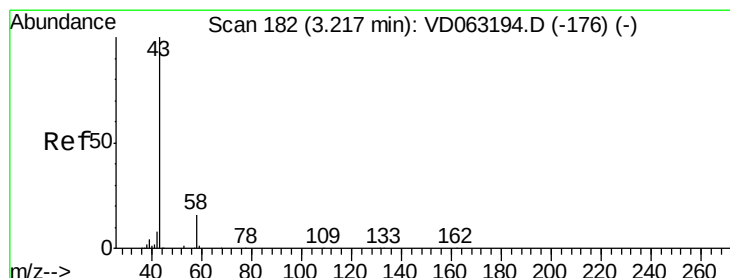
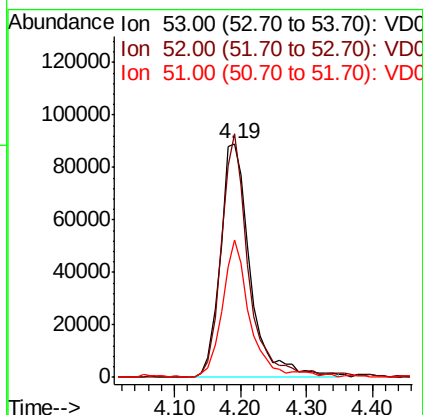
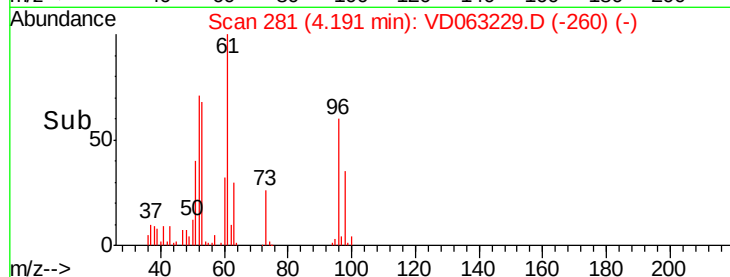
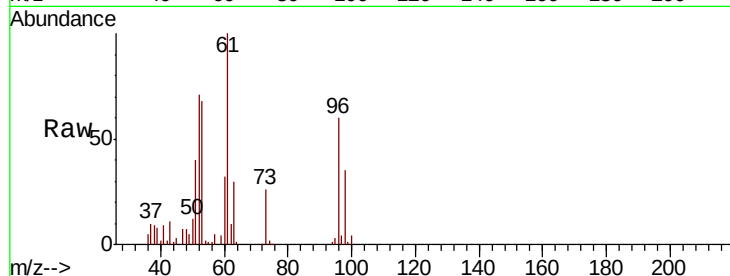
Tot Ion: 53 Resp: 282752

Ion Ratio Lower Upper

53 100

52 104.2 69.7 104.5

51 59.0 37.4 56.0#



#16

Acetone

Concen: 267.899 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063229.D

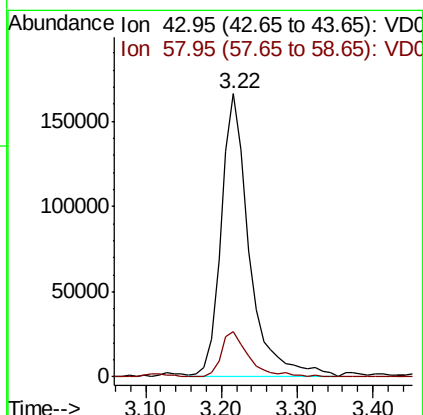
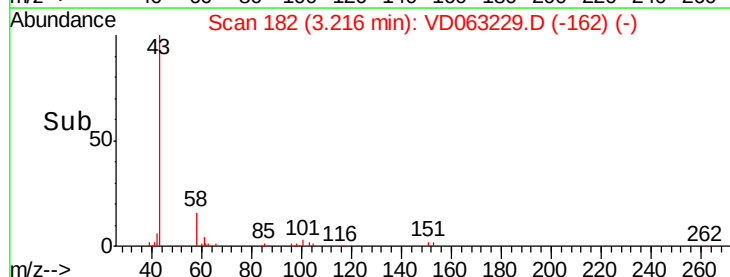
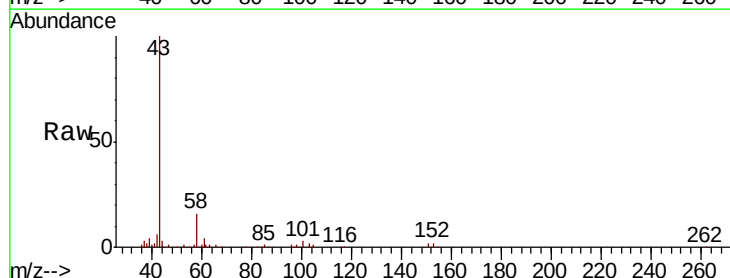
Acq: 30 Jul 2019 6:43

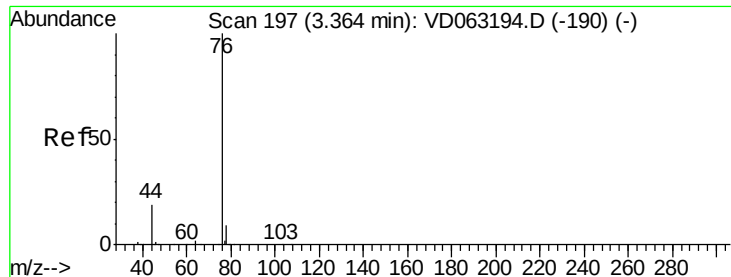
Tgt Ion: 43 Resp: 429428

Ion Ratio Lower Upper

43 100

58 16.0 13.0 19.4





#17

Carbon Disulfide

Concen: 43.583 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

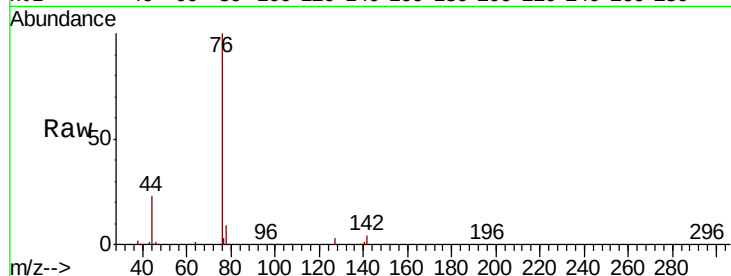
VSTDCCC050EC

Tot Ion: 76 Resp: 838924

Ion Ratio Lower Upper

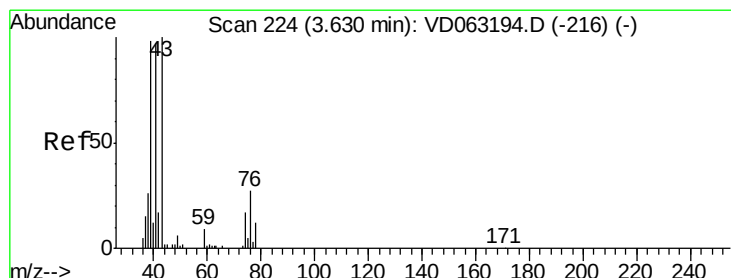
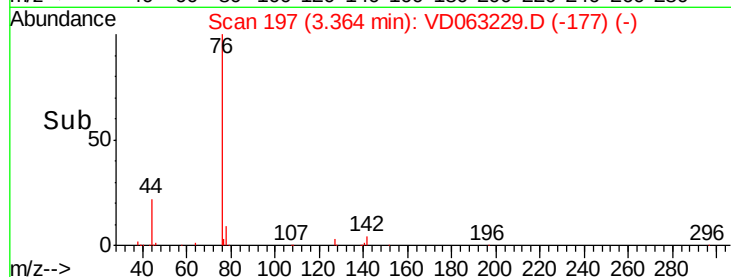
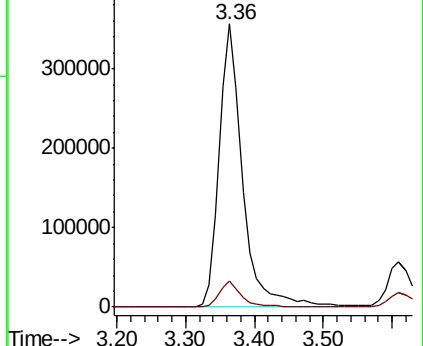
76 100

78 9.4 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: 64.526 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063229.D

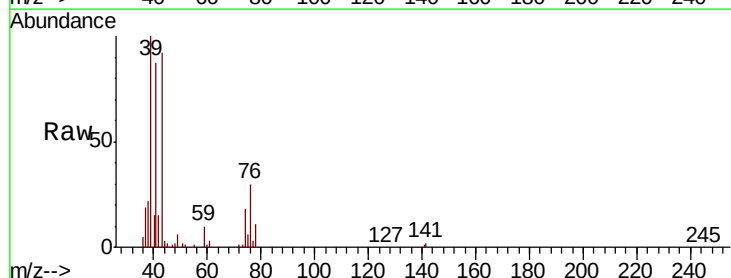
Acq: 30 Jul 2019 6:43

Tgt Ion: 43 Resp: 198674

Ion Ratio Lower Upper

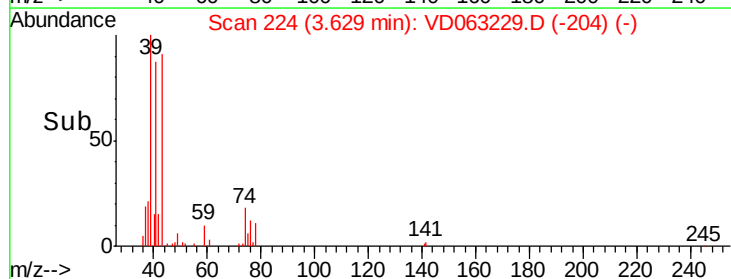
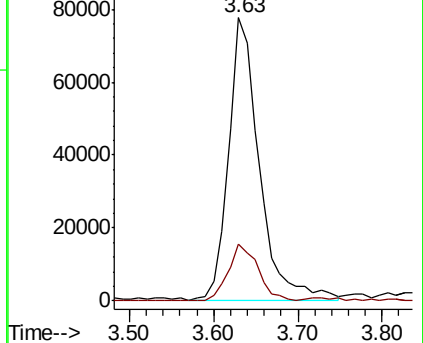
43 100

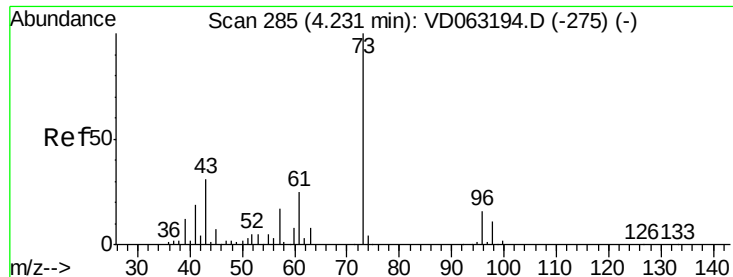
74 19.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

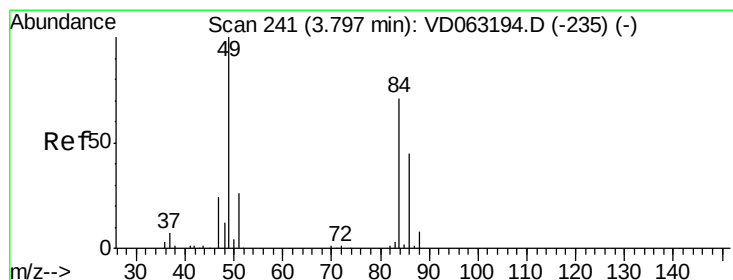
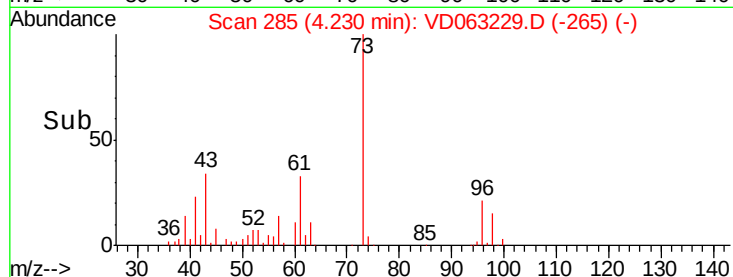
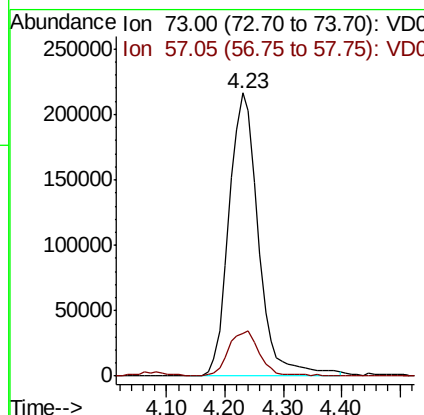
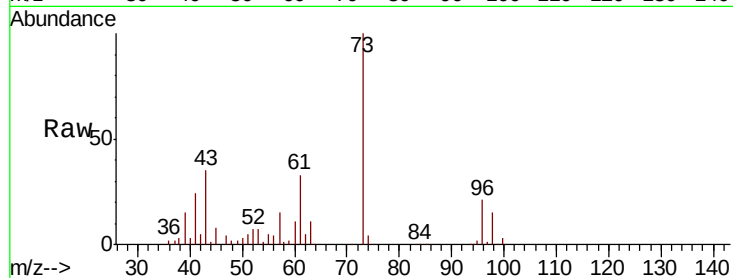




#19
Methyl tert-butyl Ether
Concen: 58.874 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

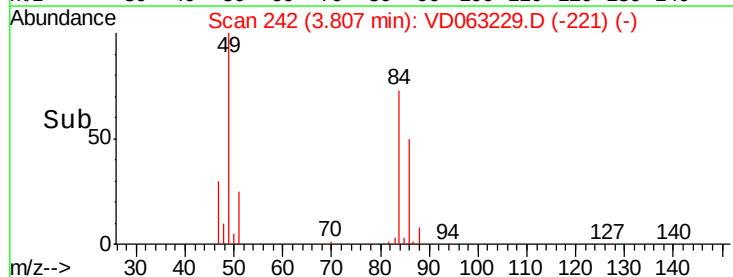
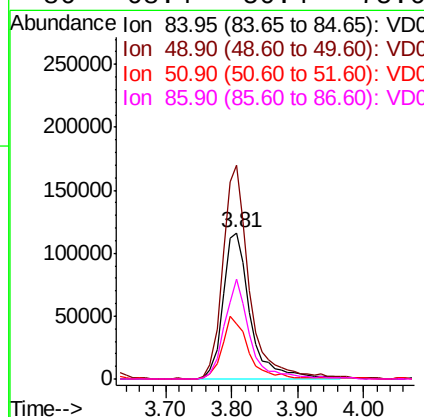
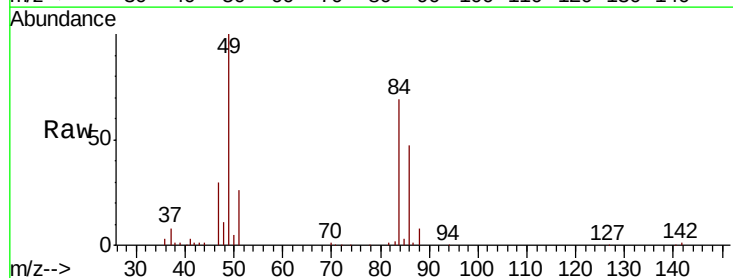
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

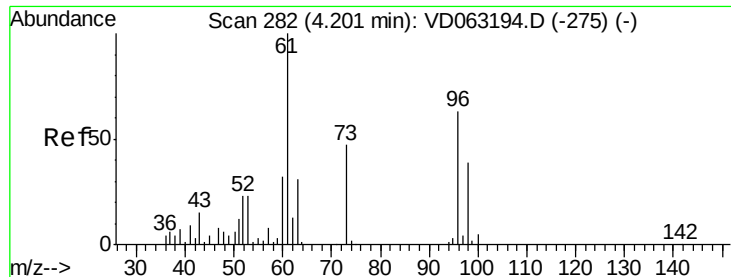
Tot Ion: 73 Resp: 764802
Ion Ratio Lower Upper
73 100
57 15.1 13.8 20.6



#20
Methylene Chloride
Concen: 52.170 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 84 Resp: 338028
Ion Ratio Lower Upper
84 100
49 145.7 112.5 168.7
51 37.8 29.6 44.4
86 68.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 50.691 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

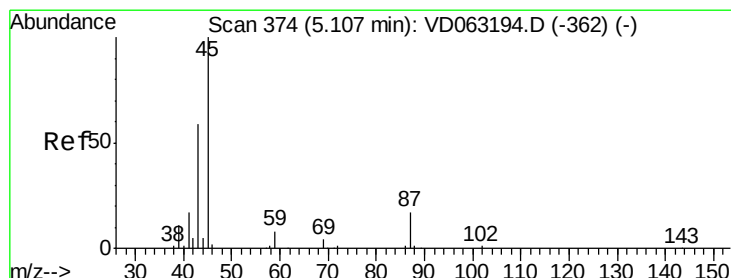
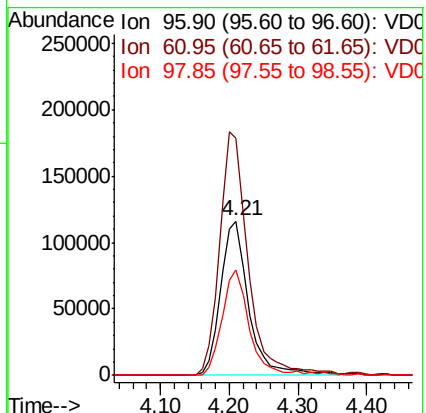
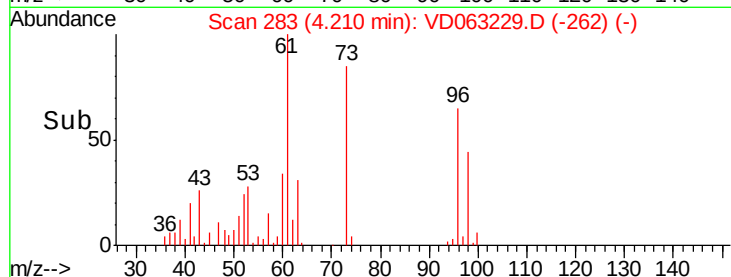
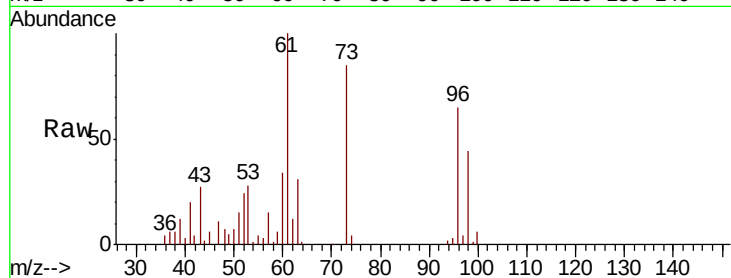
Tot Ion: 96 Resp: 327098

Ion Ratio Lower Upper

96 100

61 154.1 127.4 191.2

98 68.3 49.3 73.9



#22

Diisopropyl ether

Concen: 57.811 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Tgt Ion: 45 Resp: 1058141

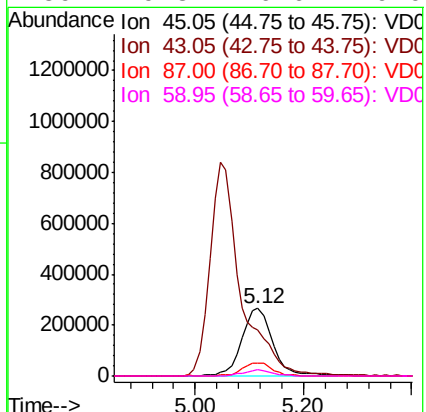
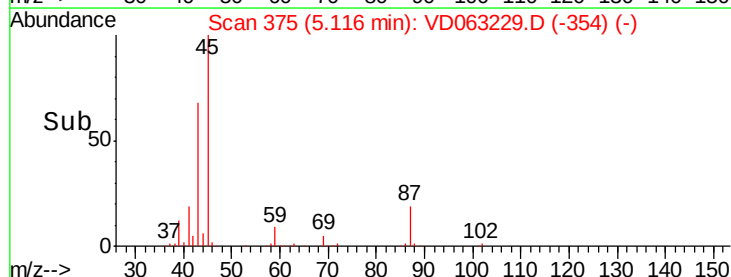
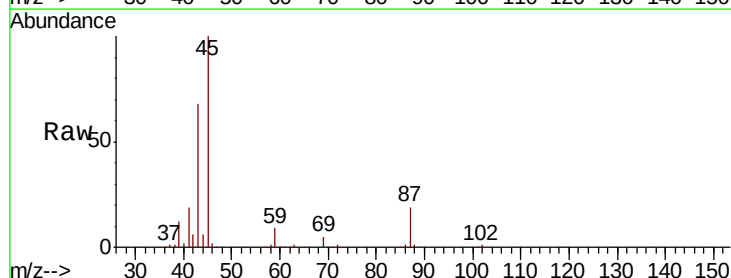
Ion Ratio Lower Upper

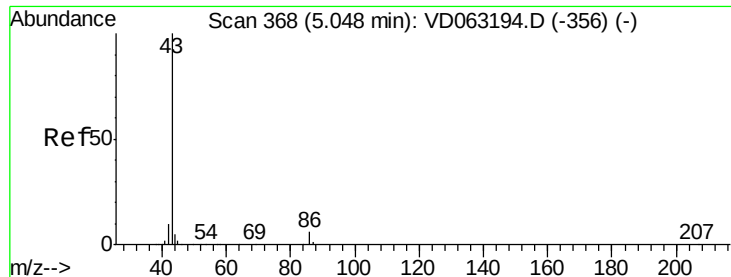
45 100

43 67.8 51.7 77.5

87 19.0 14.6 21.8

59 9.3 6.6 10.0





#23

Vinyl Acetate

Concen: 293.130 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

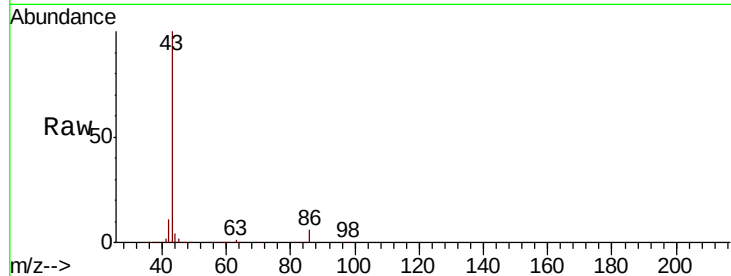
VSTDCCC050EC

Tot Ion: 43 Resp: 3298067

Ion Ratio Lower Upper

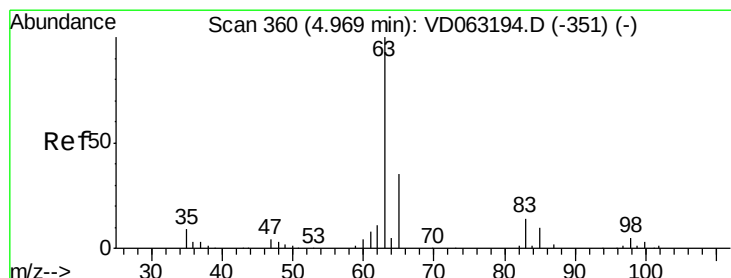
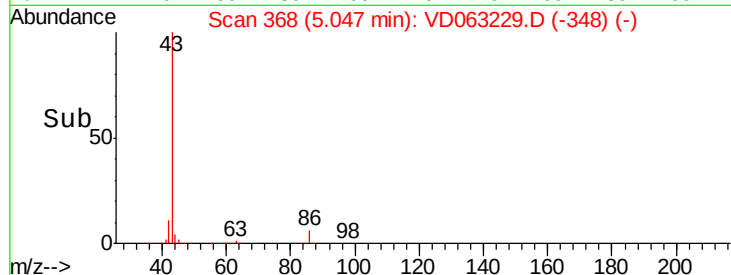
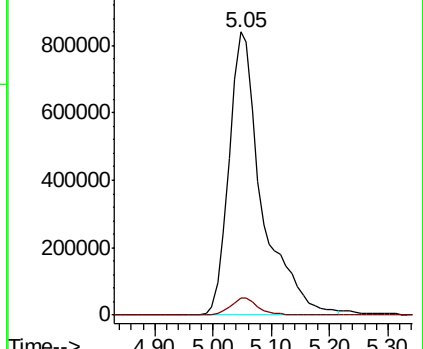
43 100

86 6.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.416 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

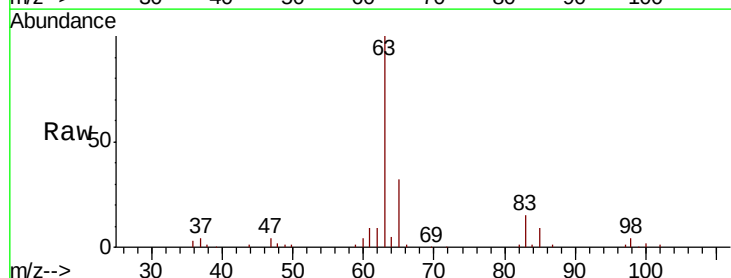
Tgt Ion: 63 Resp: 612823

Ion Ratio Lower Upper

63 100

98 3.9 2.8 8.4

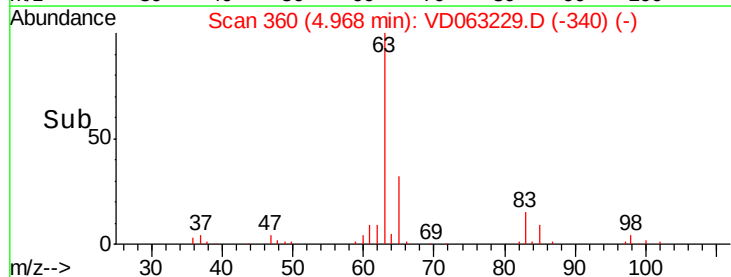
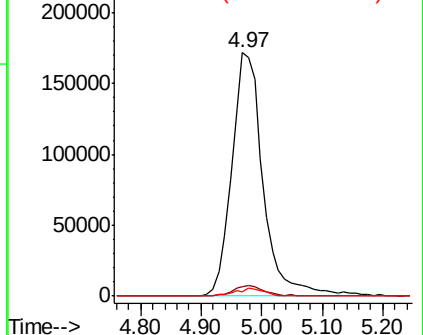
100 2.0 1.3 3.9

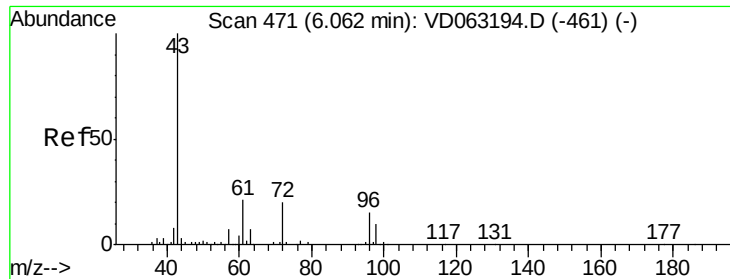


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 302.301 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

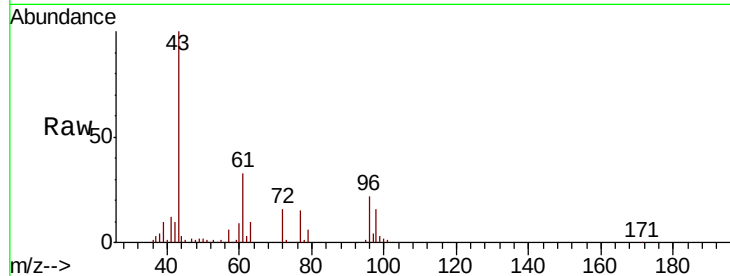
VSTDCCC050EC

Tot Ion: 43 Resp: 486309

Ion Ratio Lower Upper

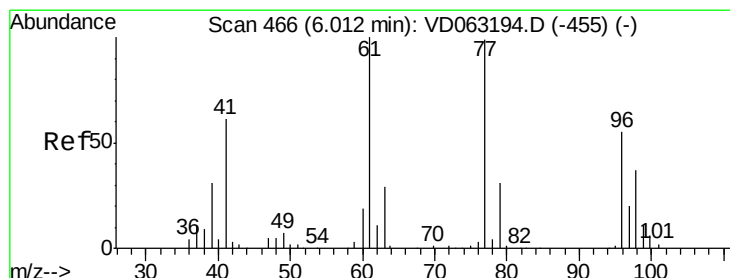
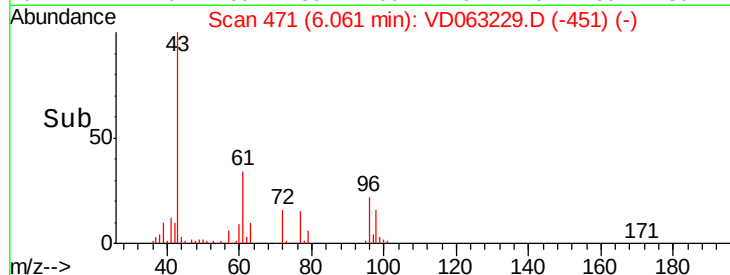
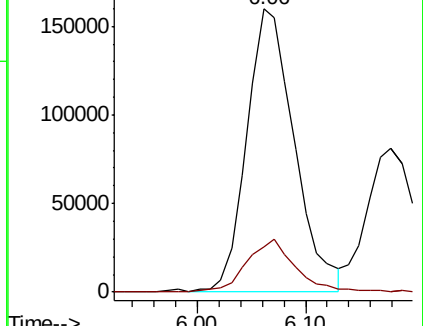
43 100

72 15.9 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: 45.233 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063229.D

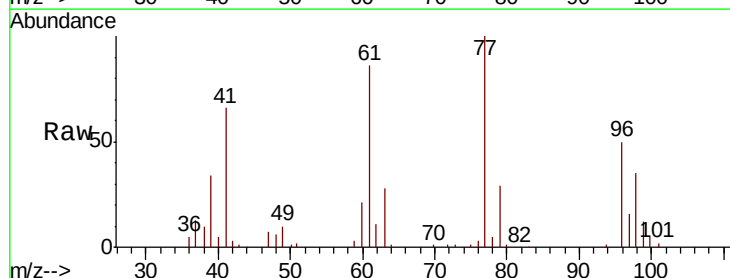
Acq: 30 Jul 2019 6:43

Tgt Ion: 77 Resp: 544987

Ion Ratio Lower Upper

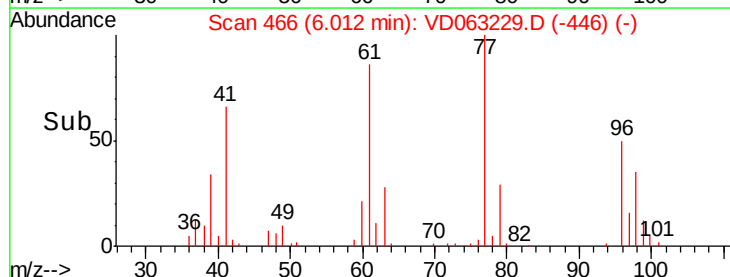
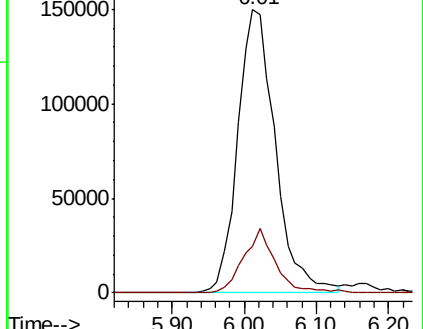
77 100

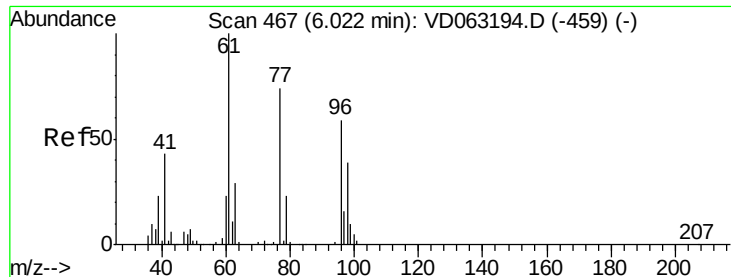
97 16.3 10.2 30.6



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: 55.185 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

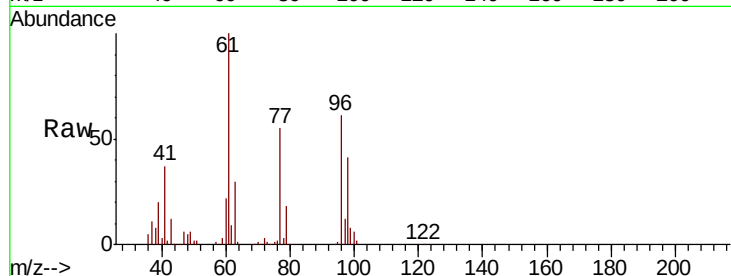
Tot Ion: 96 Resp: 381783

Ion Ratio Lower Upper

96 100

61 163.8 0.0 337.2

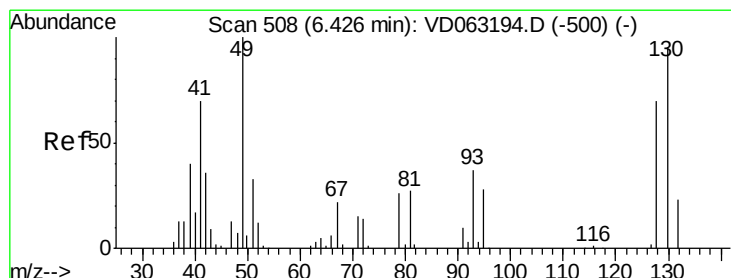
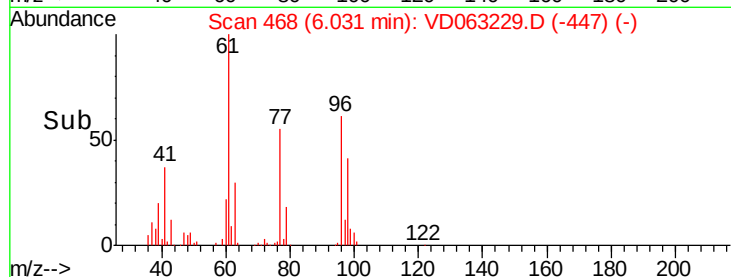
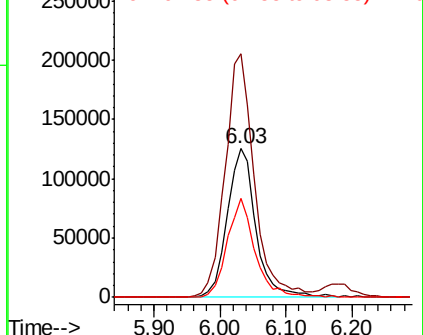
98 66.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 54.027 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

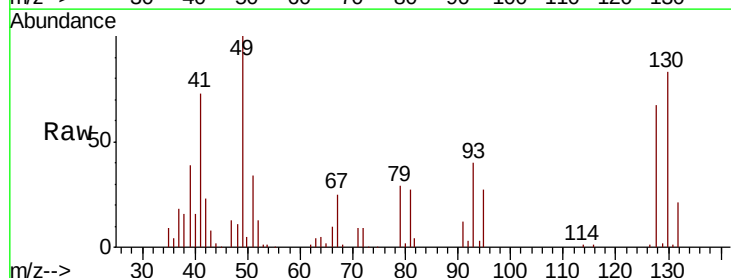
Tgt Ion: 49 Resp: 251670

Ion Ratio Lower Upper

49 100

129 2.4 0.0 0.0#

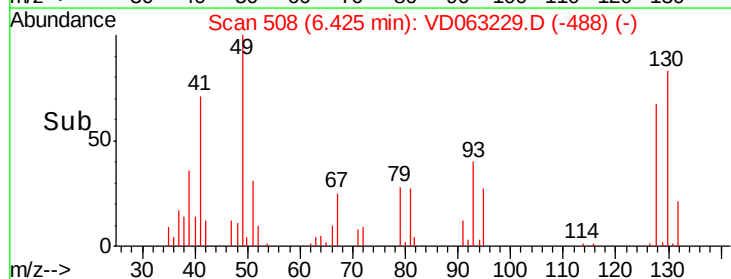
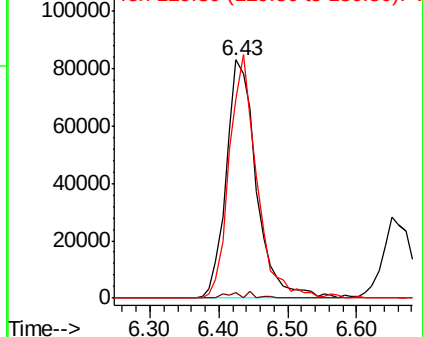
130 83.2 75.7 113.5

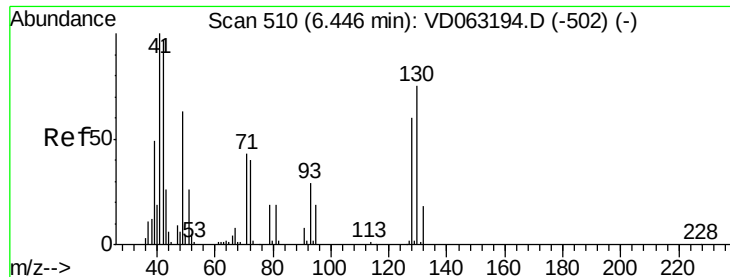


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 291.020 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

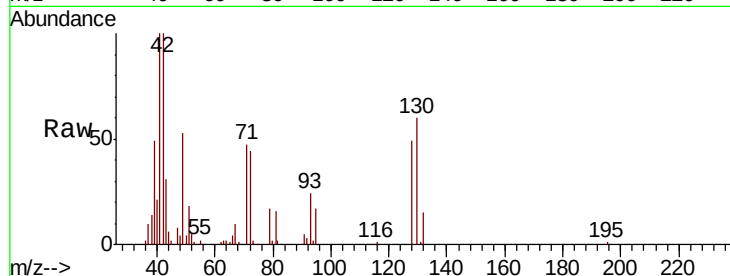
Tot Ion: 42 Resp: 221651

Ion Ratio Lower Upper

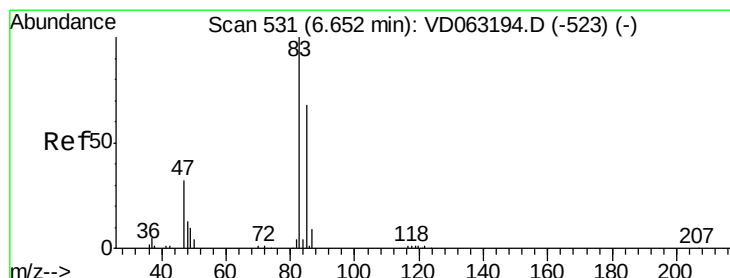
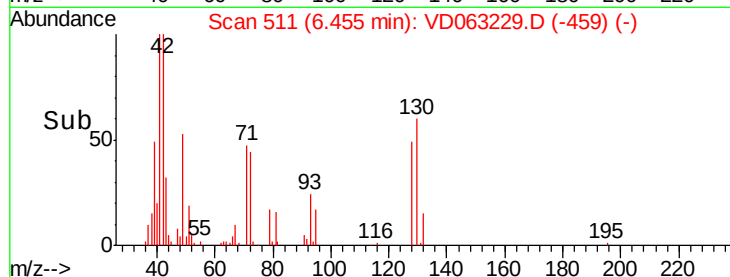
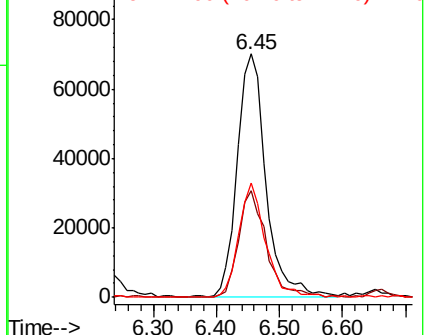
42 100

72 42.4 33.4 50.2

71 43.7 35.7 53.5



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



#30

Chloroform

Concen: 55.310 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063229.D

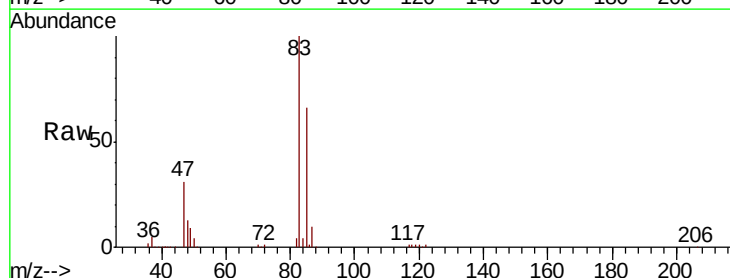
Acq: 30 Jul 2019 6:43

Tgt Ion: 83 Resp: 802508

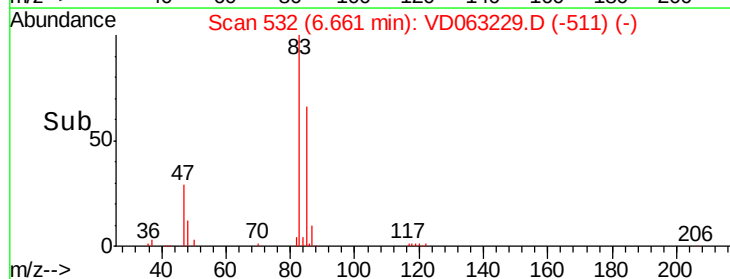
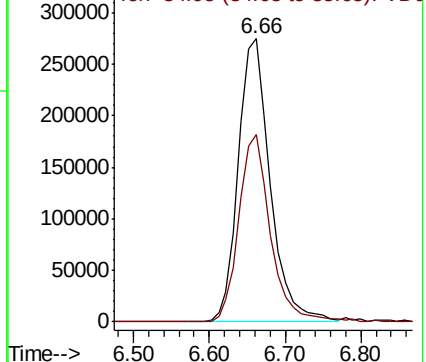
Ion Ratio Lower Upper

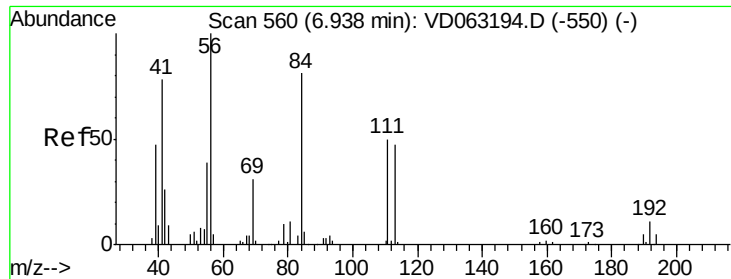
83 100

85 66.1 54.2 81.4



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

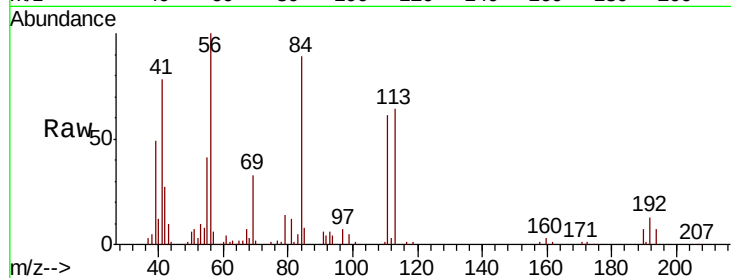




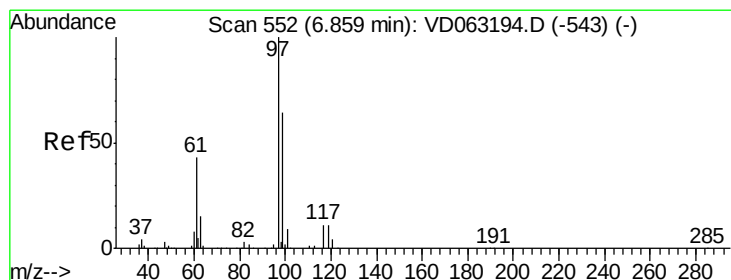
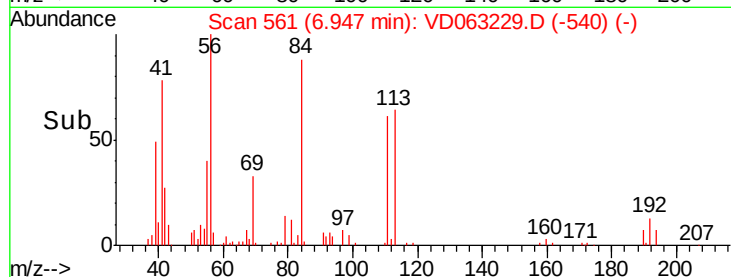
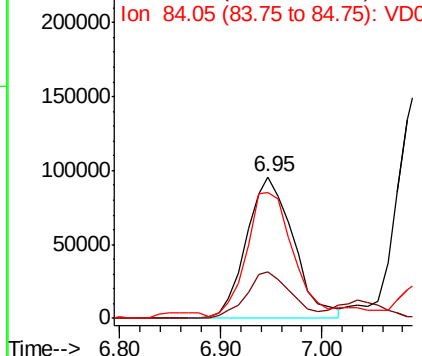
#31
Cyclohexane
Concen: 42.253 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	309643
Ion Ratio	Lower	Upper	
56	100		
69	33.1	24.5	36.7
84	88.9	64.9	97.3

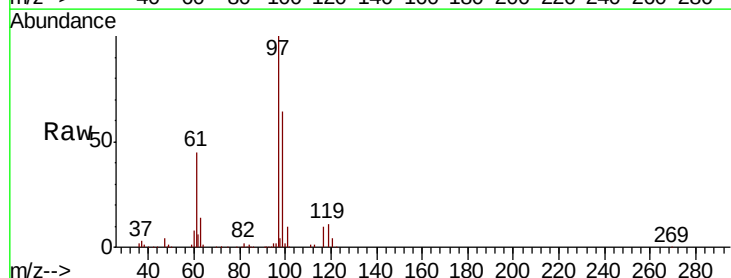


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

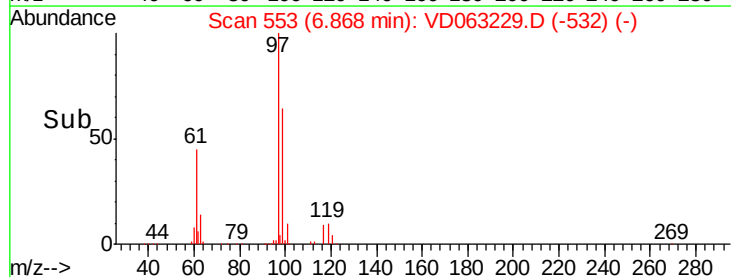
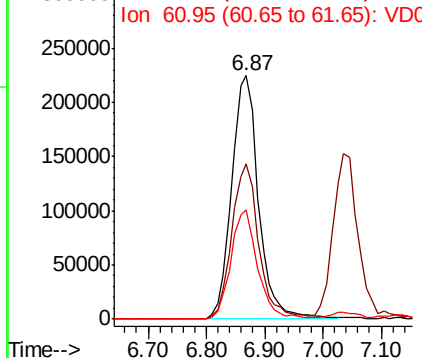


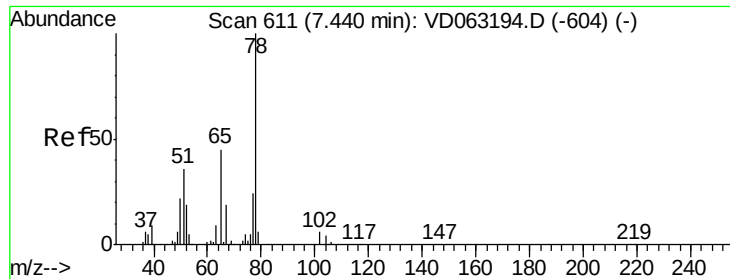
#32
1,1,1-Trichloroethane
Concen: 51.525 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion	97	Resp	723115
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.2	76.8
61	45.1	34.2	51.2



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

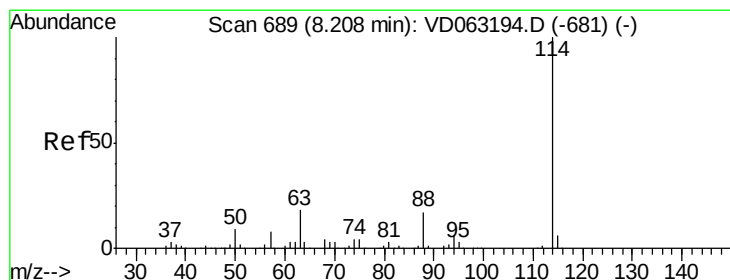
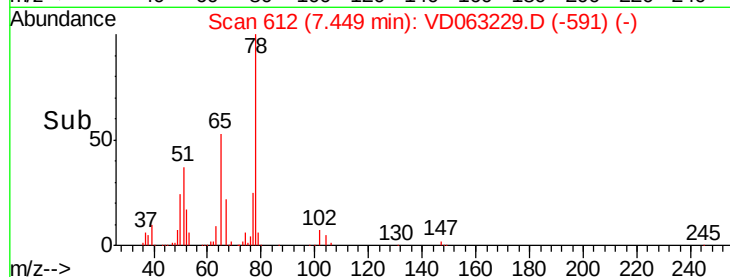
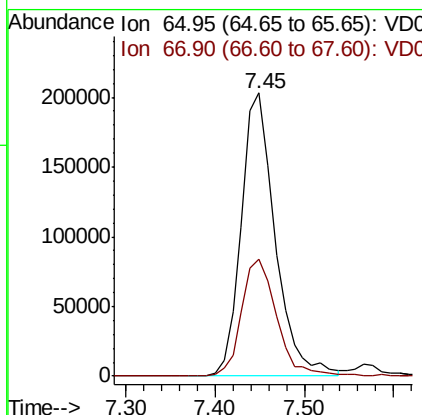
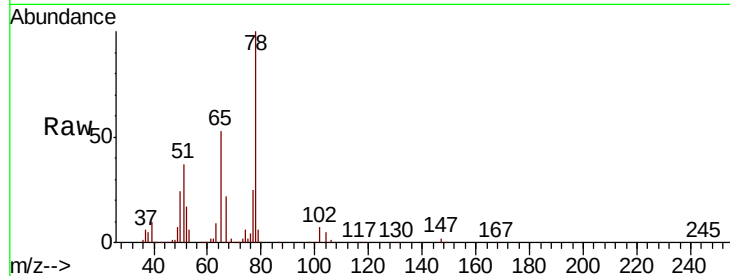




#33
 1,2-Dichloroethane-d4
 Concen: 65.128 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

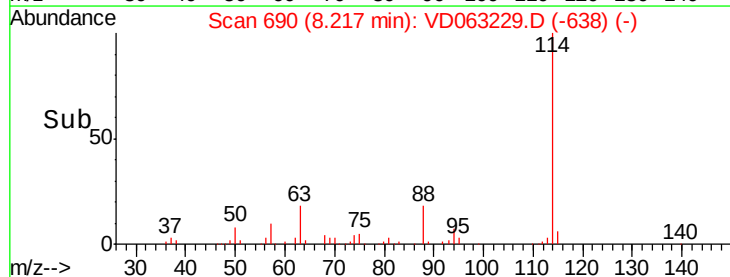
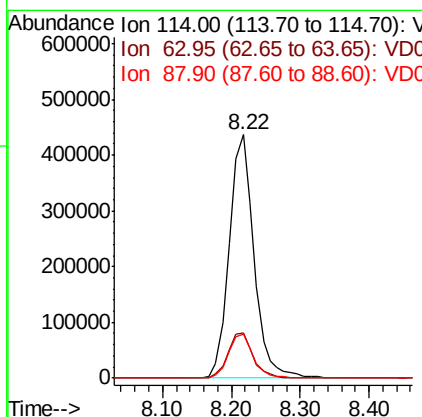
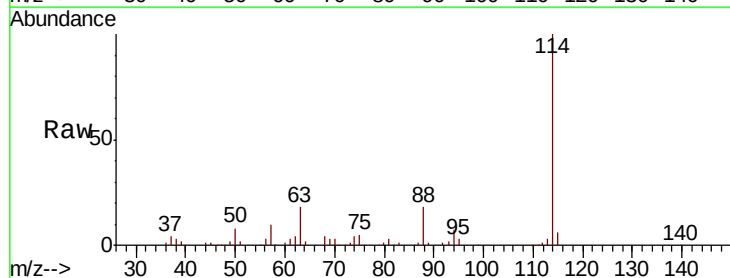
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

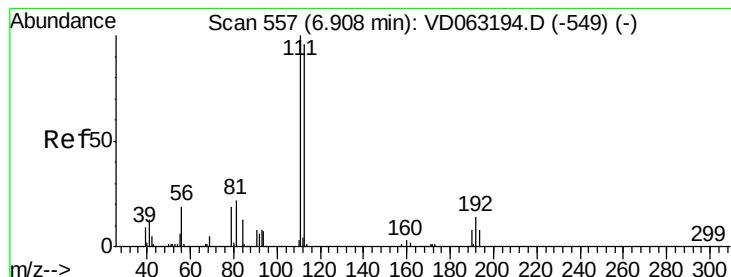
Tot Ion: 65 Resp: 535809
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 114 Resp: 1085009
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 18.2 0.0 34.6





#35

Dibromofluoromethane

Concen: 59.536 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

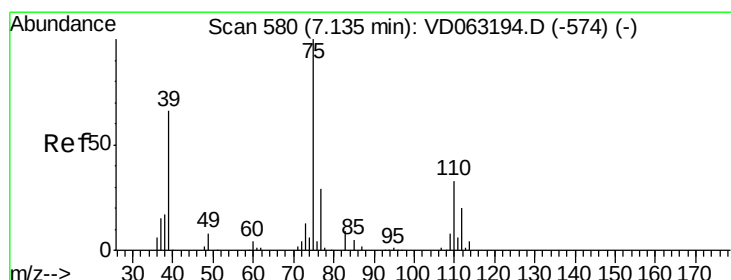
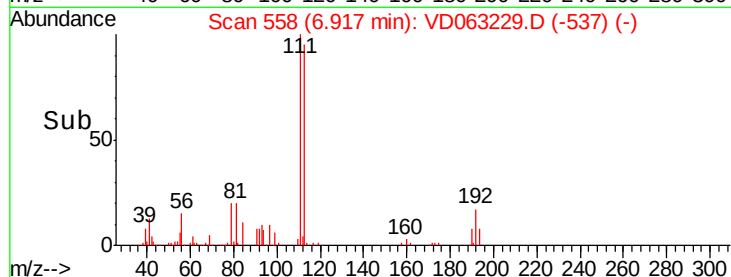
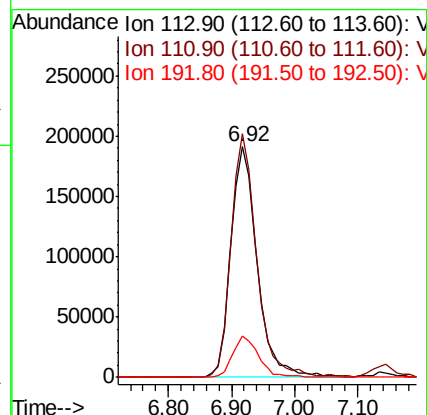
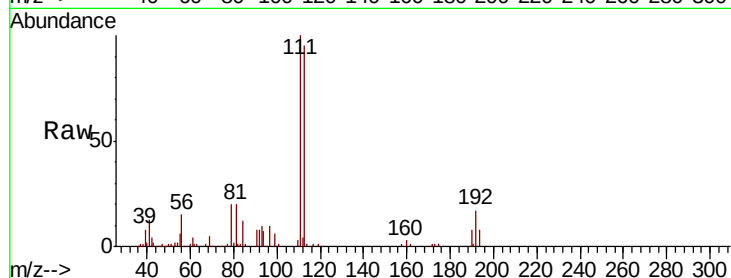
Tot Ion:113 Resp: 551518

Ion Ratio Lower Upper

113 100

111 105.5 83.2 124.8

192 18.0 11.8 17.8#



#36

1,1-Dichloropropene

Concen: 45.367 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

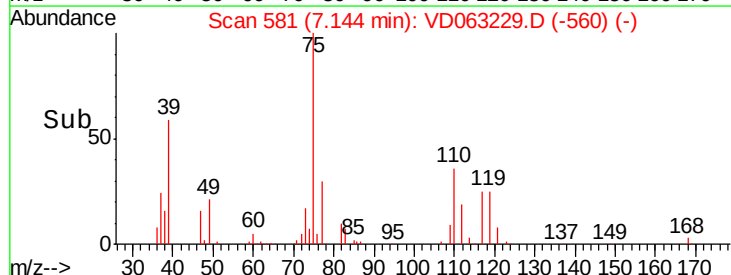
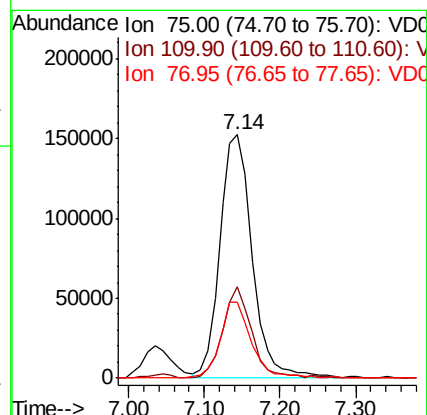
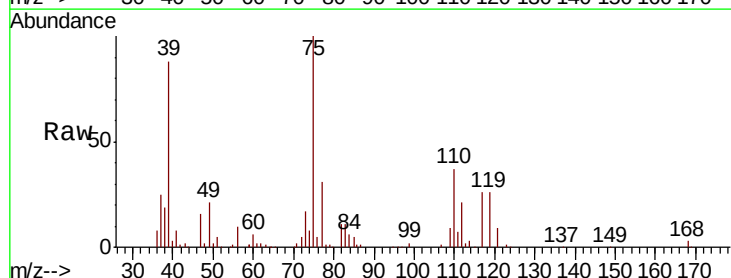
Tgt Ion: 75 Resp: 449231

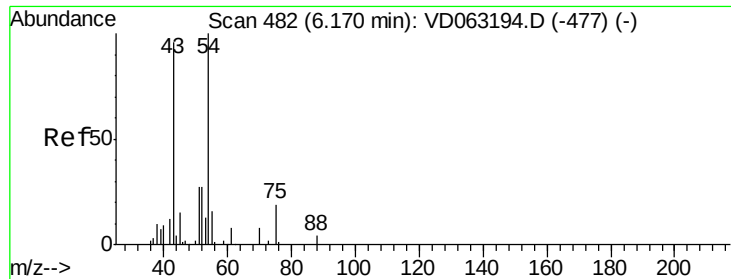
Ion Ratio Lower Upper

75 100

110 37.3 16.1 48.2

77 31.0 22.7 34.1

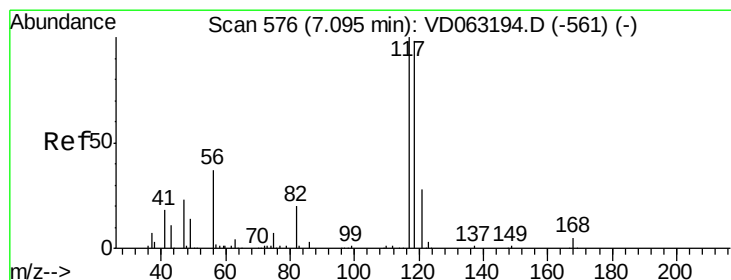
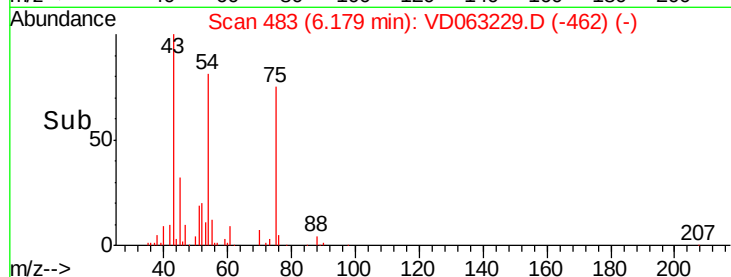
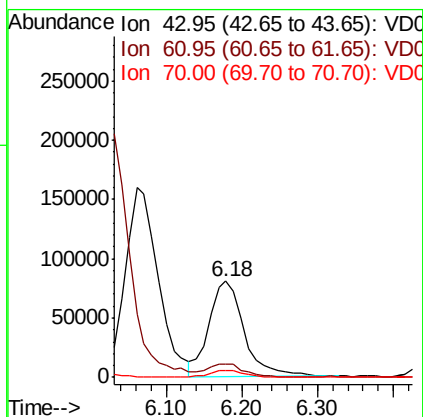
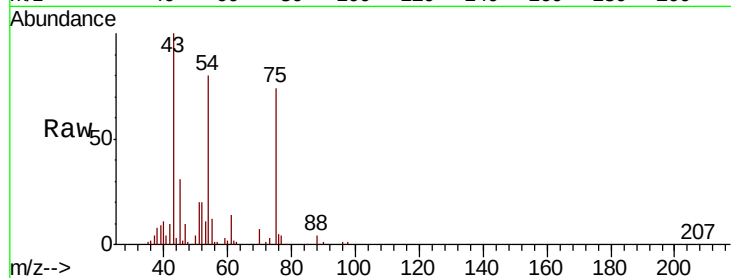




#37
Ethyl Acetate
Concen: 58.220 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

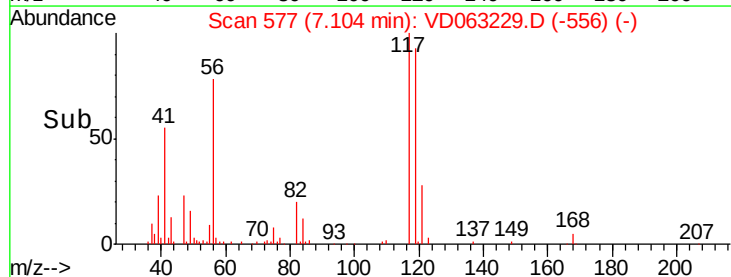
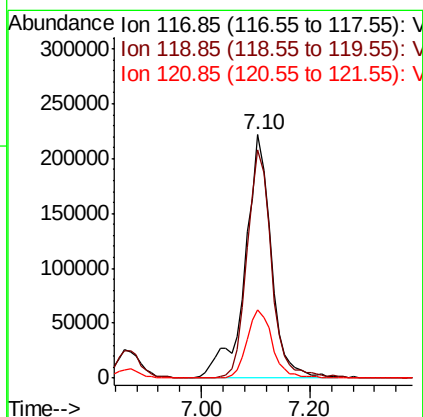
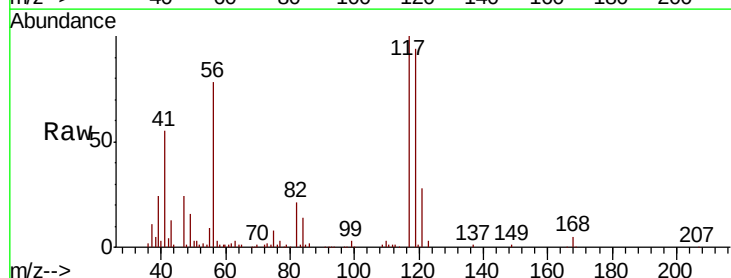
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

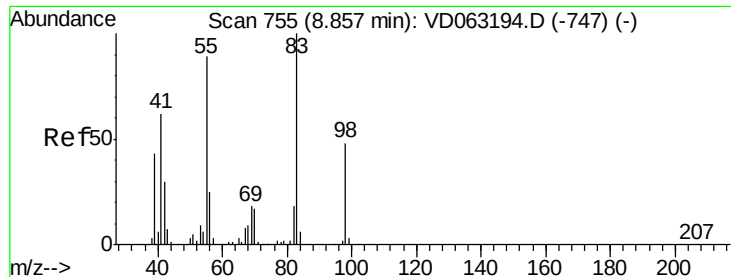
Tot Ion: 43 Resp: 258999
Ion Ratio Lower Upper
43 100
61 13.6 11.3 16.9
70 7.2 5.1 7.7



#38
Carbon Tetrachloride
Concen: 50.037 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 117 Resp: 745910
Ion Ratio Lower Upper
117 100
119 93.7 78.2 117.2
121 28.1 22.1 33.1

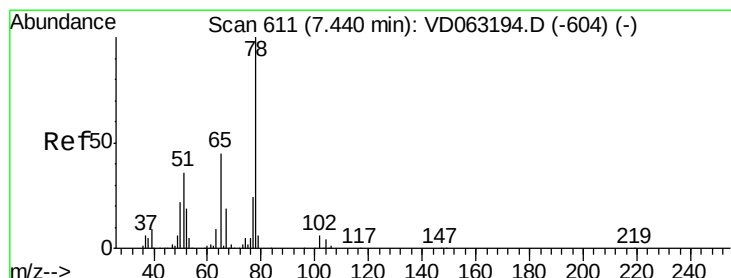
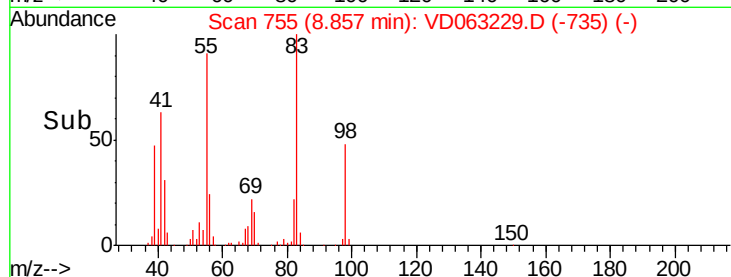
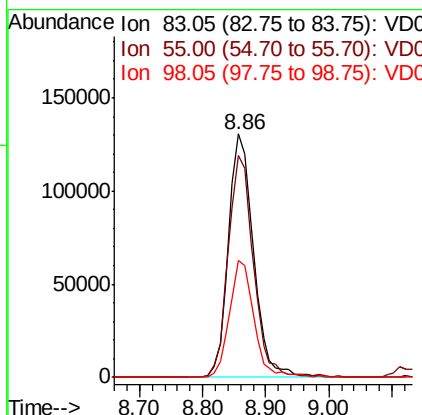
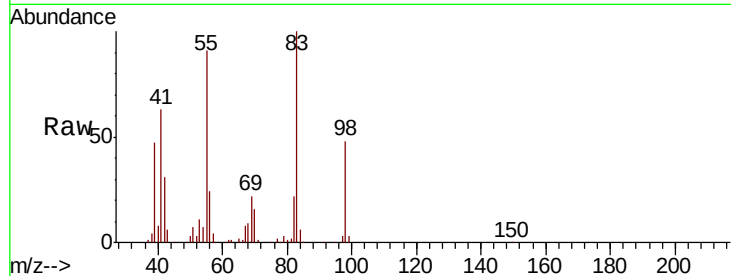




#39
Methylvlcyclohexane
Concen: 43.426 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

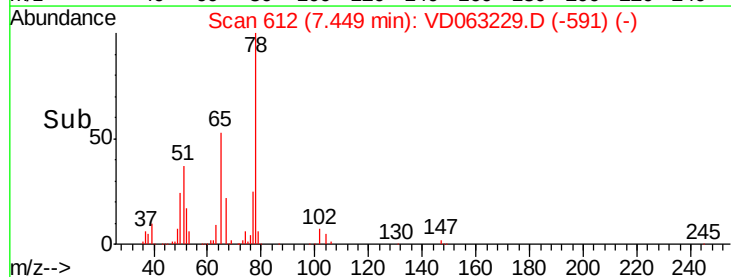
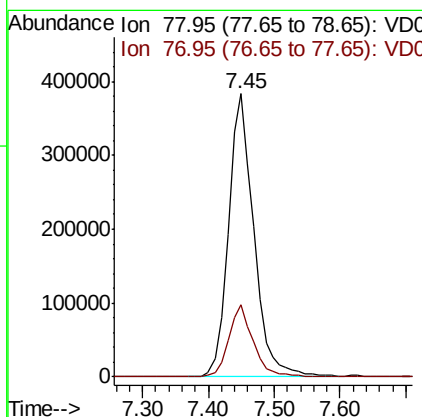
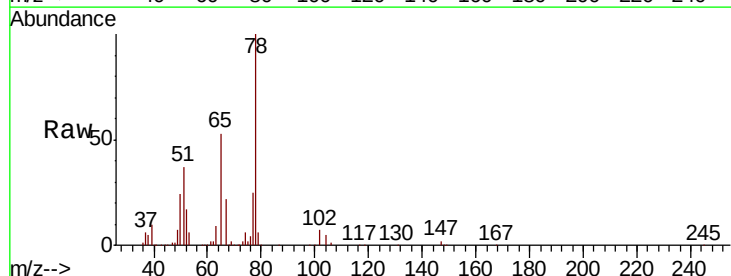
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

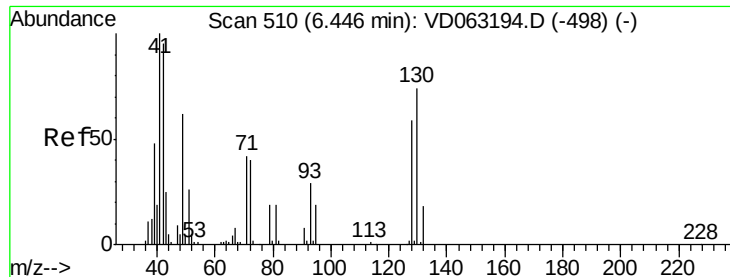
Tot Ion: 83 Resp: 358265
Ion Ratio Lower Upper
83 100
55 90.9 71.1 106.7
98 48.1 38.5 57.7



#40
Benzene
Concen: 49.905 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 78 Resp: 1035676
Ion Ratio Lower Upper
78 100
77 25.3 19.4 29.2

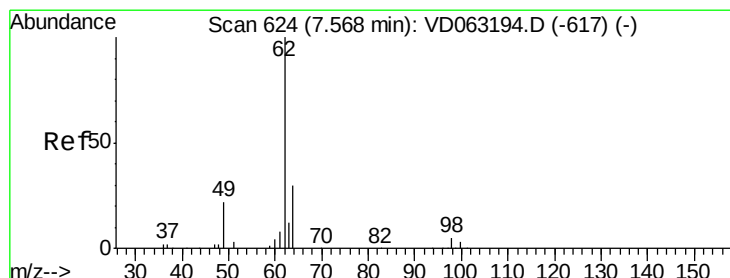
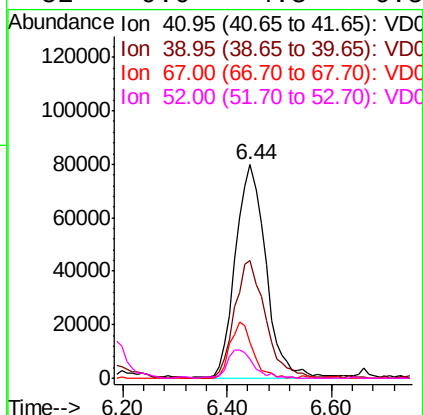
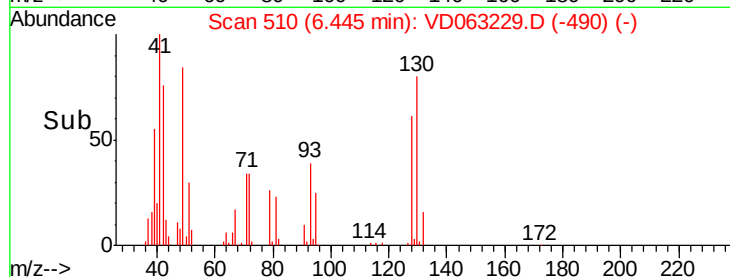
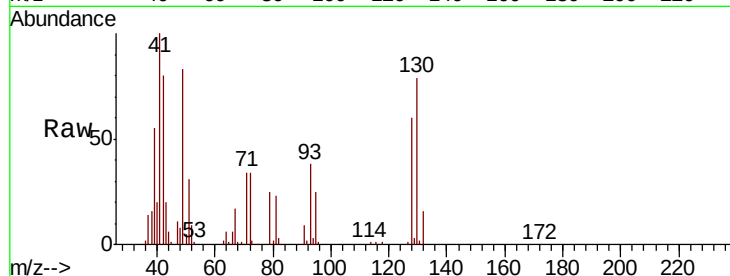




#41
Methacrylonitrile
Concen: 59.771 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

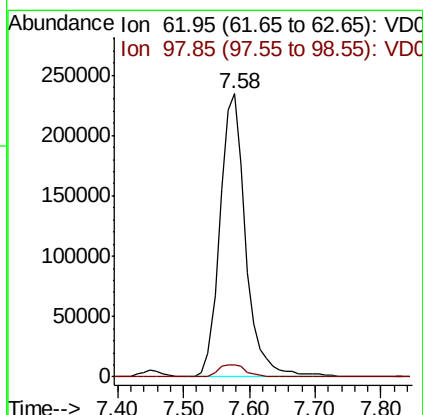
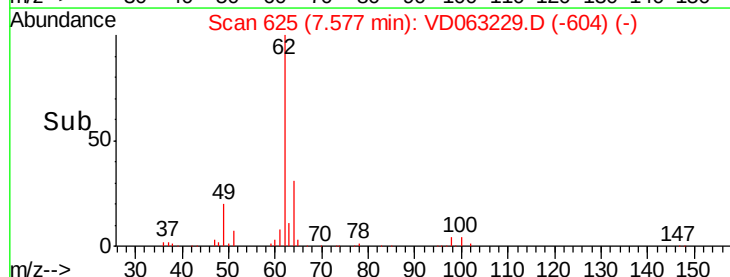
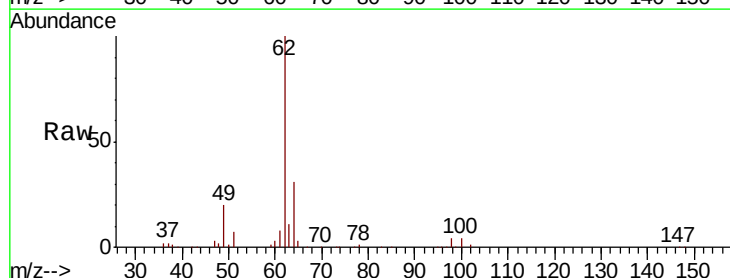
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

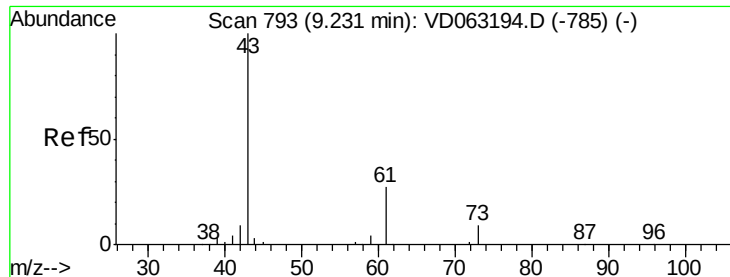
Tot Ion: 41 Resp: 318066
Ion Ratio Lower Upper
41 100
39 55.4 38.4 57.6
67 16.8 6.7 10.1#
52 9.0 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 58.192 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 62 Resp: 640031
Ion Ratio Lower Upper
62 100
98 4.4 0.0 9.8





#43

Isopropyl Acetate

Concen: 59.073 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

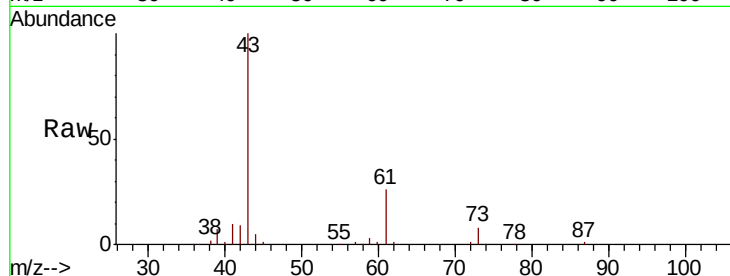
Tot Ion: 43 Resp: 335689

Ion Ratio Lower Upper

43 100

61 26.3 21.4 32.0

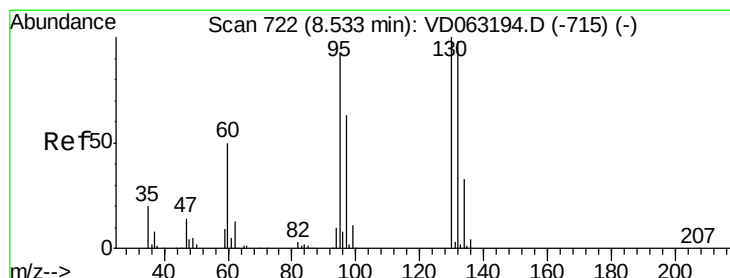
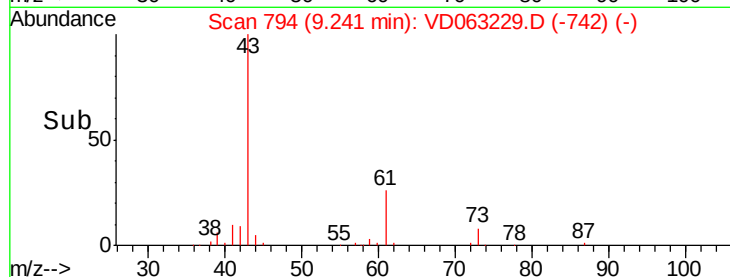
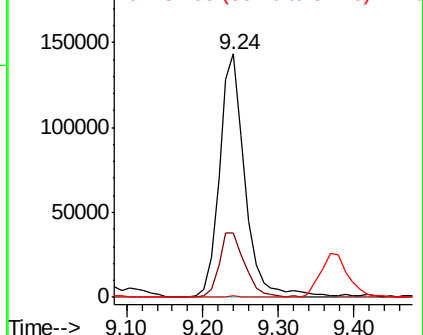
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.994 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063229.D

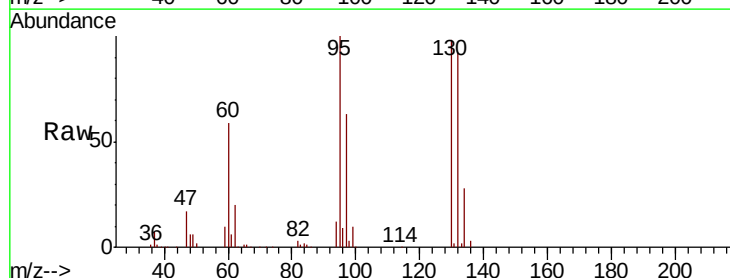
Acq: 30 Jul 2019 6:43

Tgt Ion:130 Resp: 437233

Ion Ratio Lower Upper

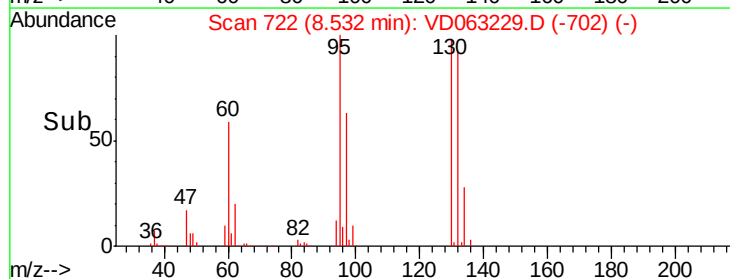
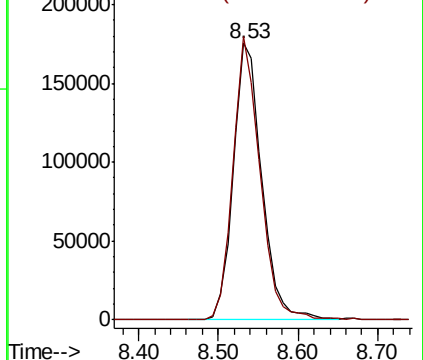
130 100

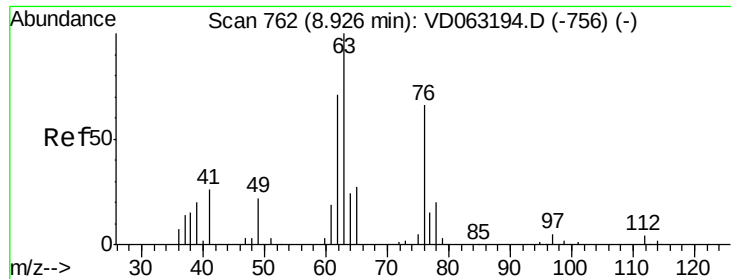
95 102.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.161 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

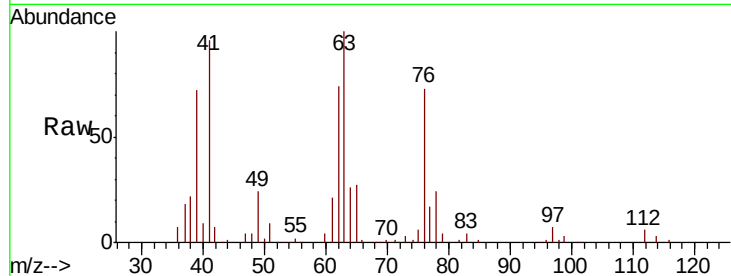
VSTDCCC050EC

Tot Ion: 63 Resp: 269866

Ion Ratio Lower Upper

63 100

65 26.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

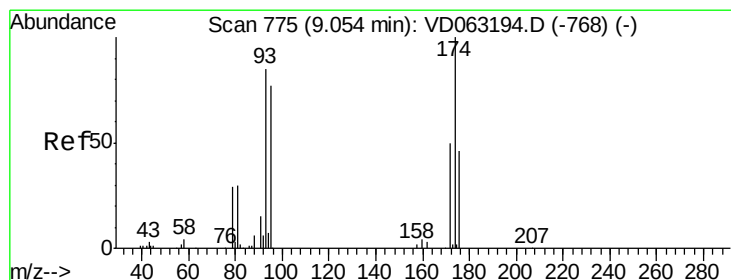
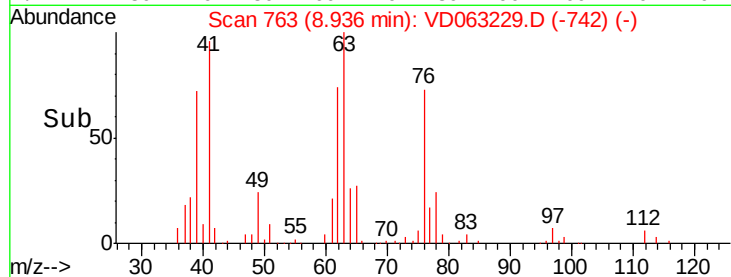
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 58.819 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

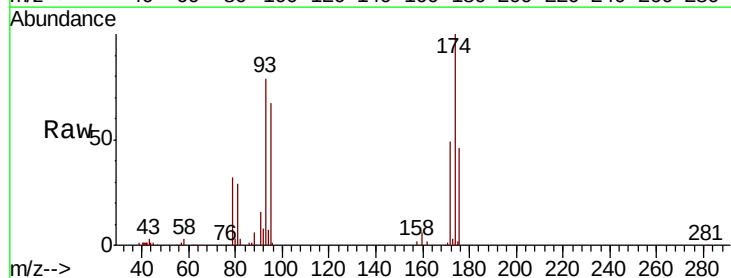
Tgt Ion: 93 Resp: 257979

Ion Ratio Lower Upper

93 100

95 85.2 72.8 109.2

174 126.3 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

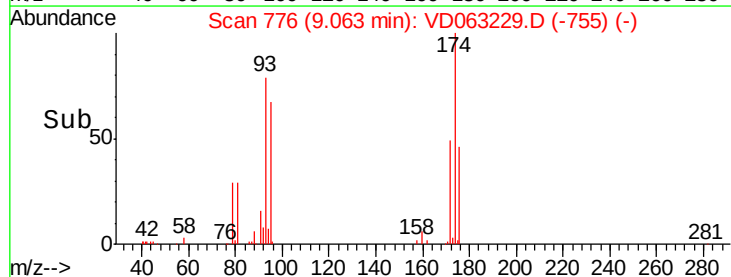
150000

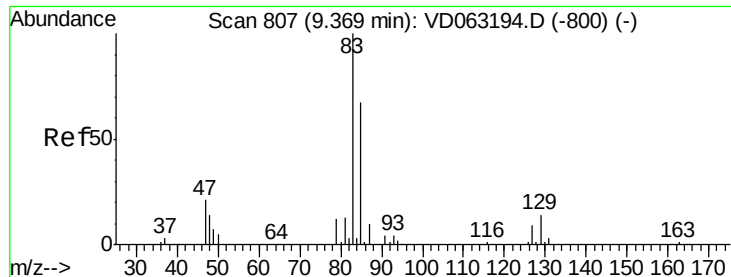
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 58.243 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

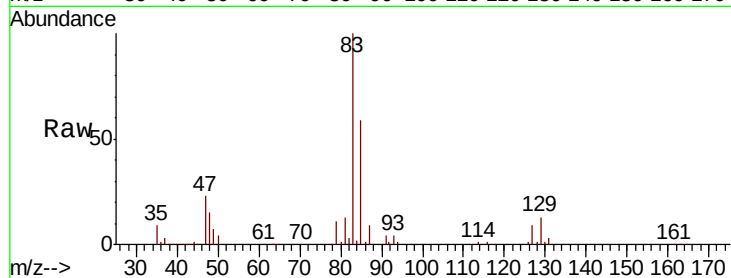
Tot Ion: 83 Resp: 651172

Ion Ratio Lower Upper

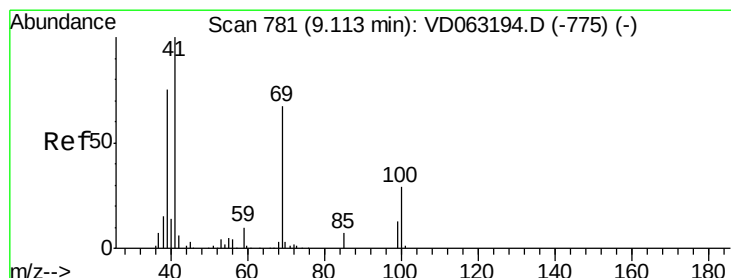
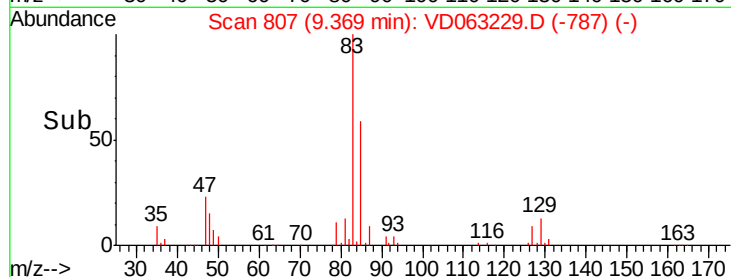
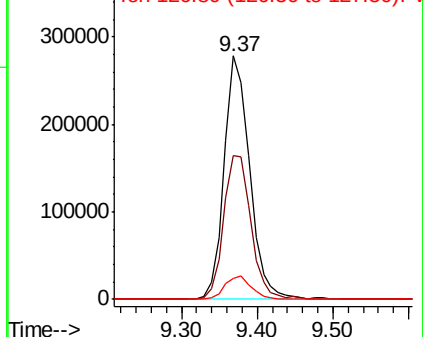
83 100

85 59.1 53.6 80.4

127 8.6 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: 64.113 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

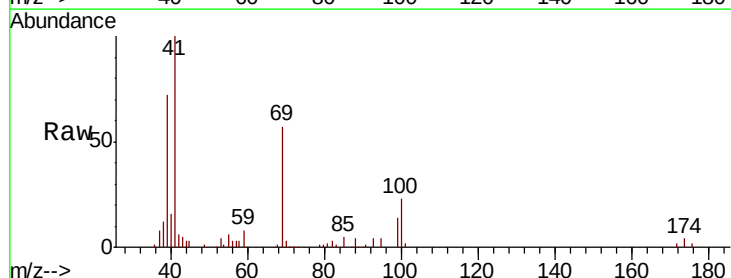
Tgt Ion: 41 Resp: 236291

Ion Ratio Lower Upper

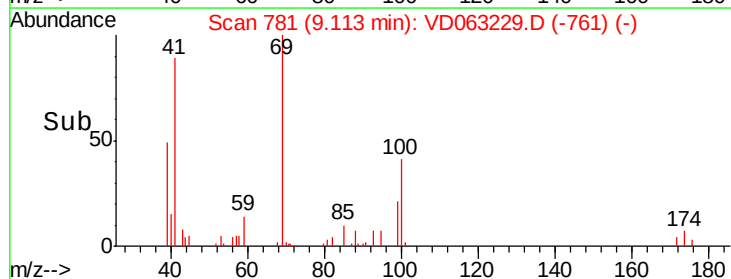
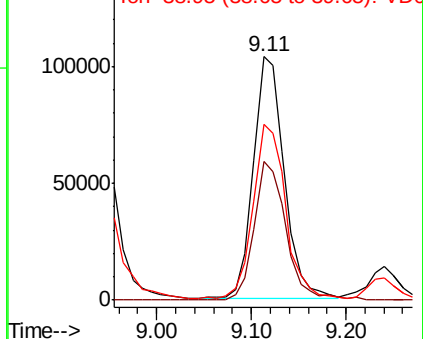
41 100

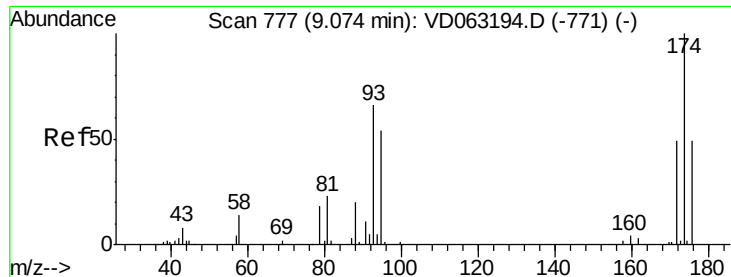
69 57.1 53.4 80.0

39 72.1 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

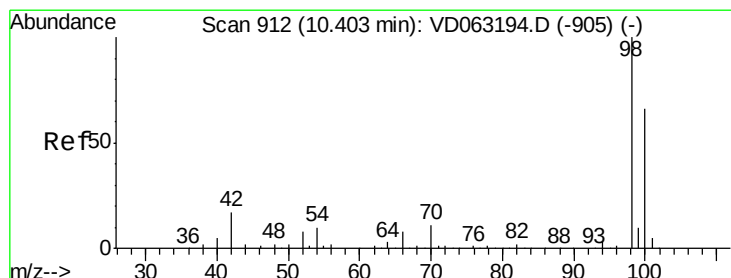
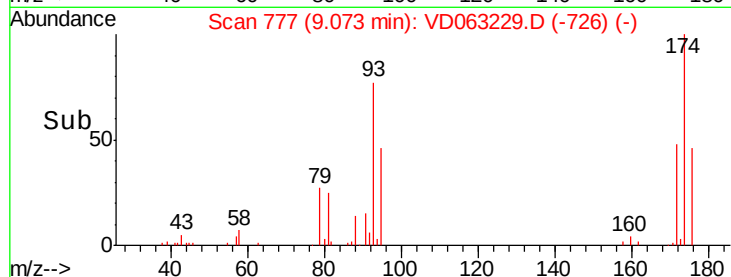
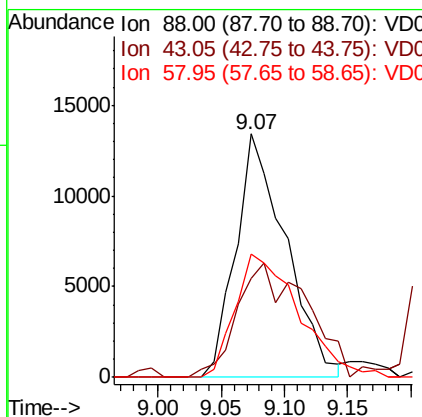
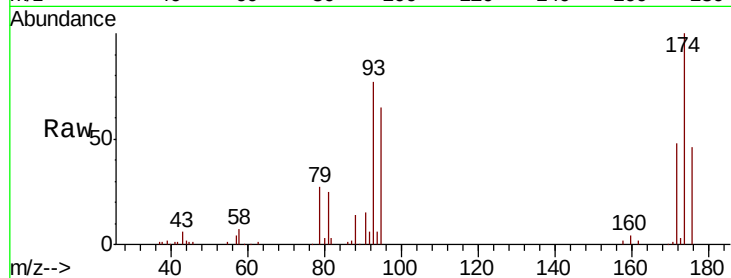




#49
 1,4-Dioxane
 Concen: 1182.921 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

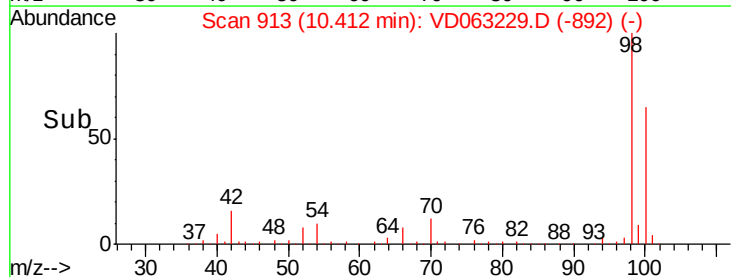
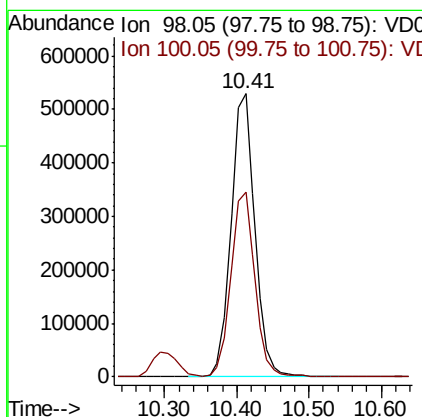
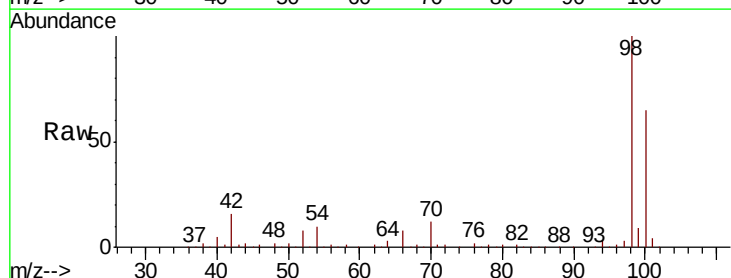
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

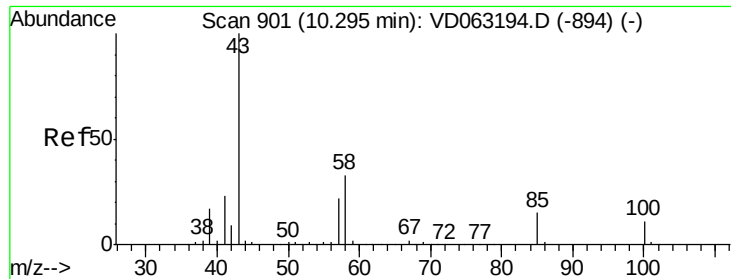
Tot Ion: 88 Resp: 36908
 Ion Ratio Lower Upper
 88 100
 43 40.7 30.7 46.1
 58 50.5 56.5 84.7#



#50
 Toluene-d8
 Concen: 58.788 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 98 Resp: 1218799
 Ion Ratio Lower Upper
 98 100
 100 65.3 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 294.662 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

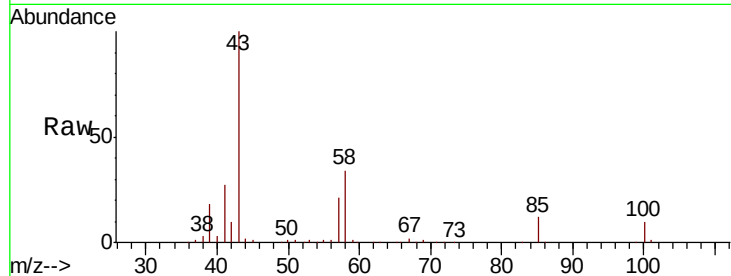
VSTDCCC050EC

Tot Ion: 43 Resp: 1138768

Ion Ratio Lower Upper

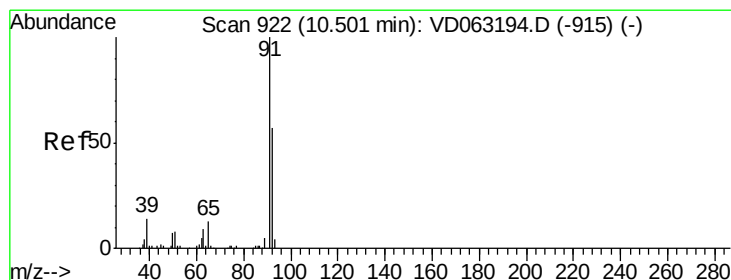
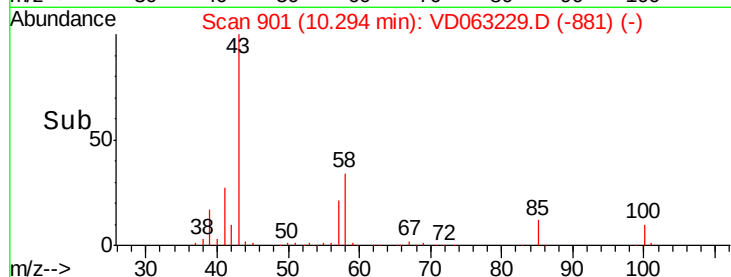
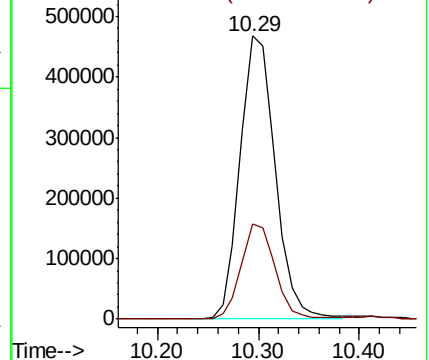
43 100

58 33.8 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.819 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063229.D

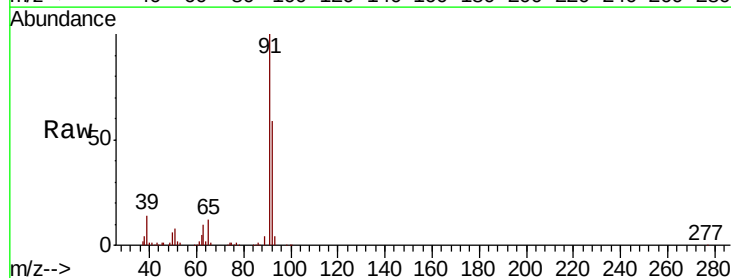
Acq: 30 Jul 2019 6:43

Tgt Ion: 92 Resp: 729047

Ion Ratio Lower Upper

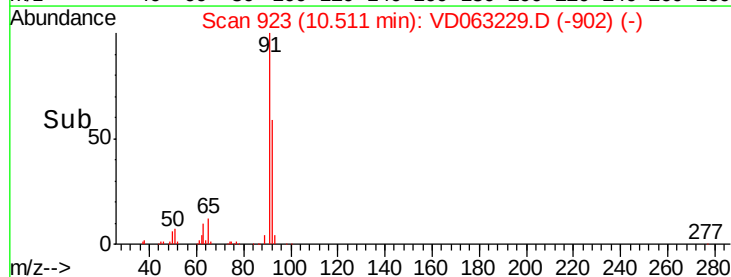
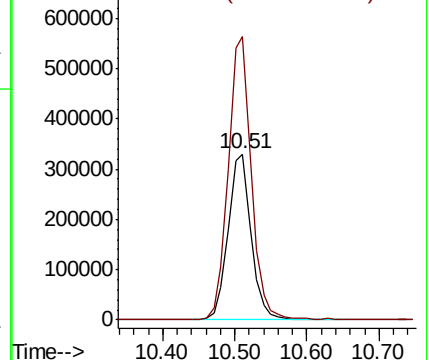
92 100

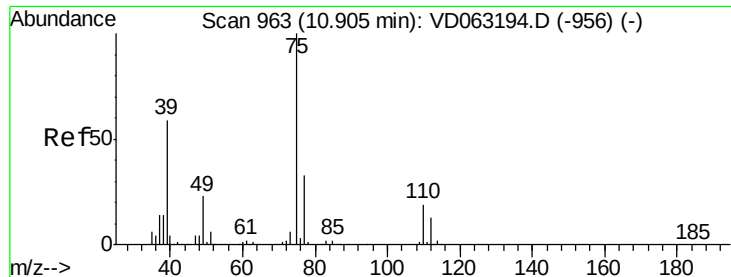
91 170.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 58.201 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

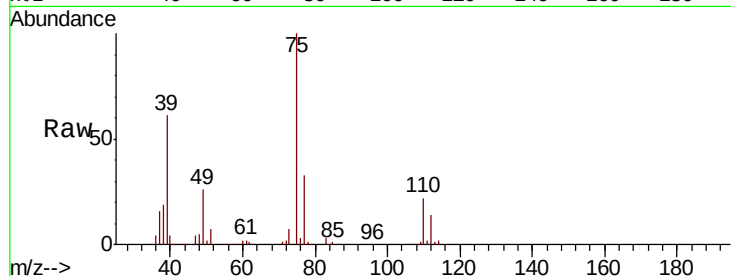
VSTDCCC050EC

Tot Ion: 75 Resp: 560990

Ion Ratio Lower Upper

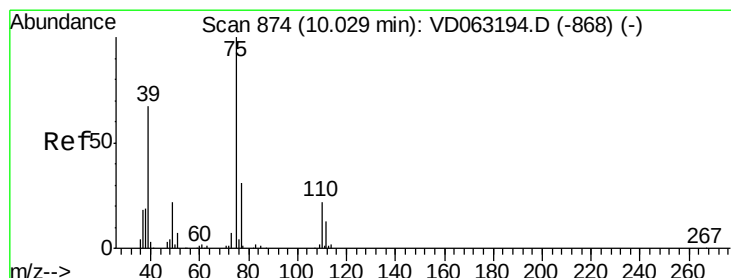
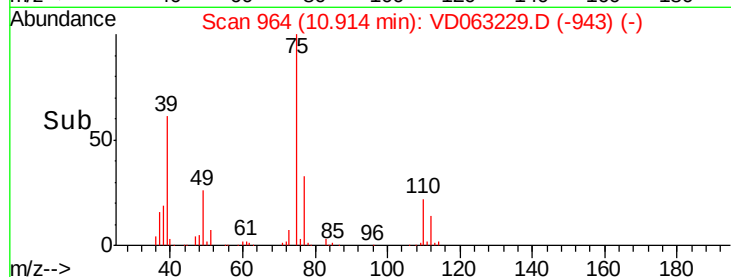
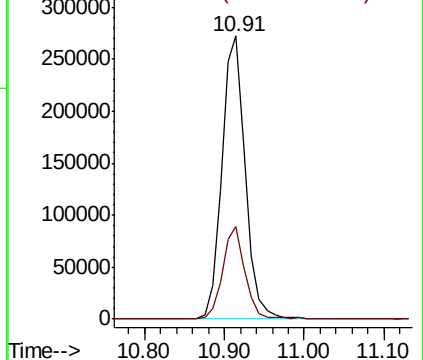
75 100

77 32.8 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.383 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

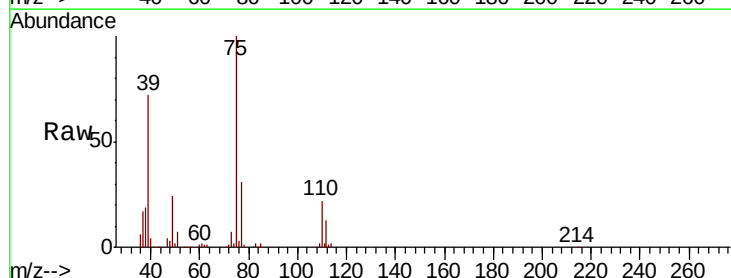
Tgt Ion: 75 Resp: 561043

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3

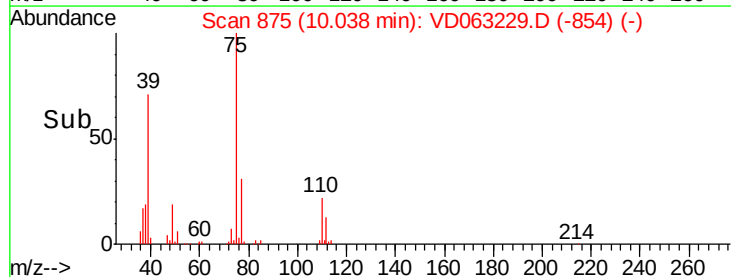
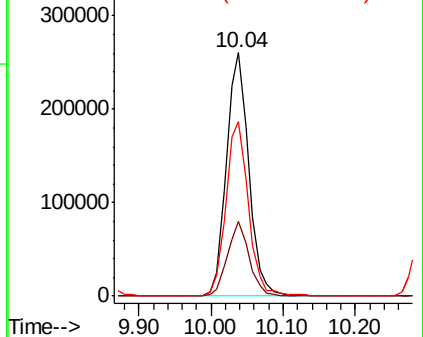
39 71.9 53.9 80.9

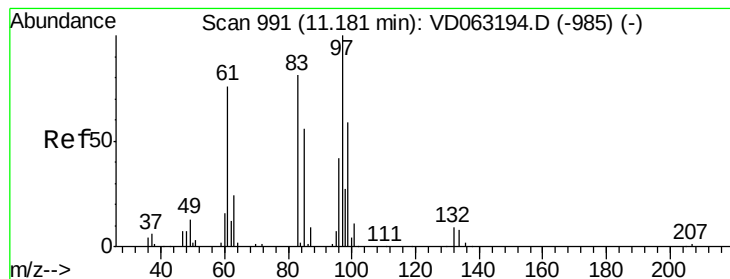


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 60.645 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 282708

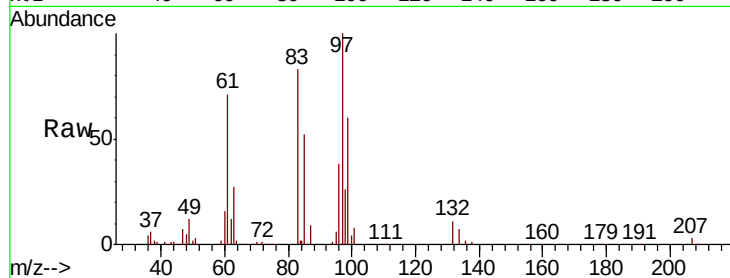
Ion Ratio Lower Upper

97 100

83 83.0 64.8 97.2

85 52.5 44.9 67.3

99 60.0 47.2 70.8

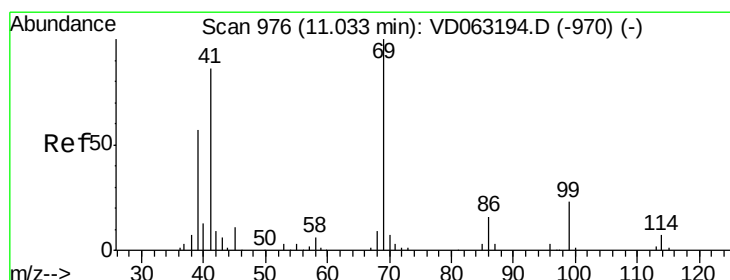
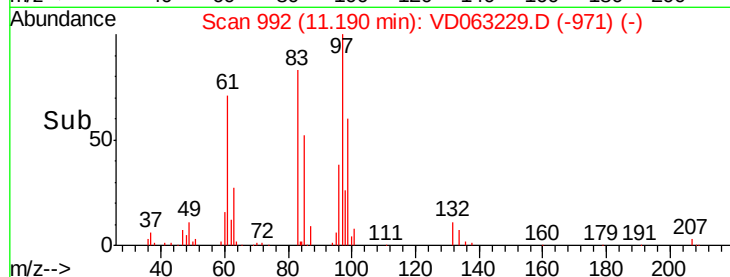
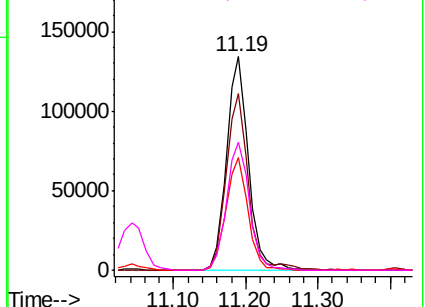


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 59.940 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

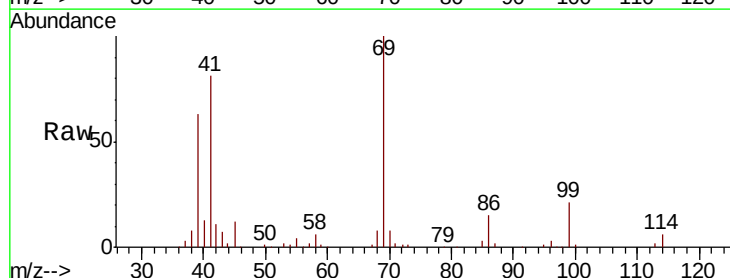
Tgt Ion: 69 Resp: 305973

Ion Ratio Lower Upper

69 100

41 80.6 68.8 103.2

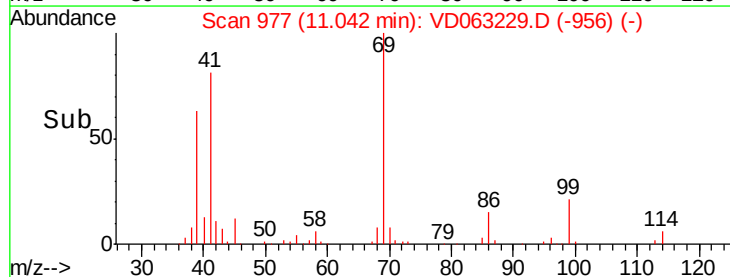
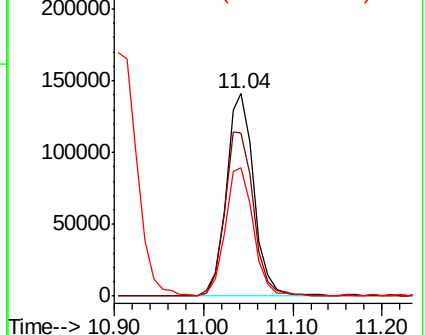
39 63.5 45.8 68.8

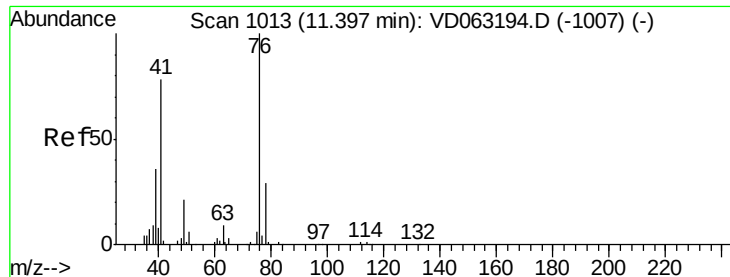


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 57.766 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

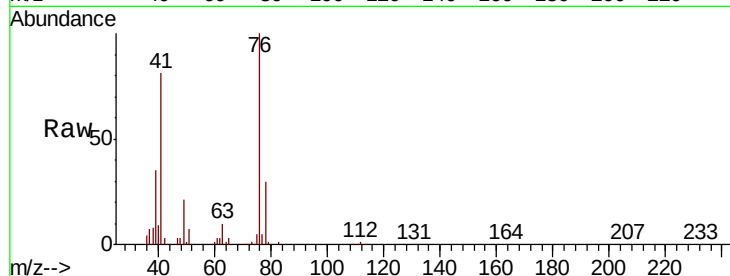
VSTDCCC050EC

Tot Ion: 76 Resp: 424282

Ion Ratio Lower Upper

76 100

78 29.8 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

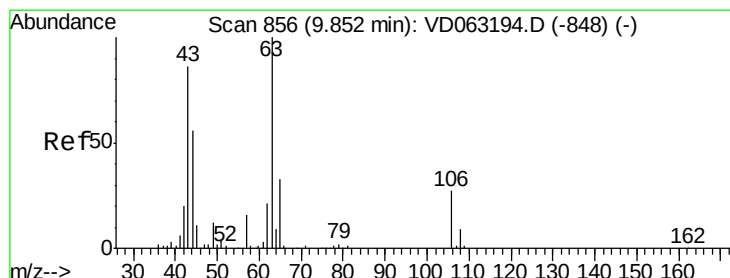
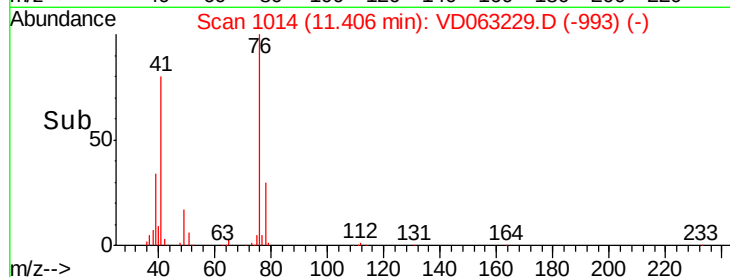
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 303.400 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063229.D

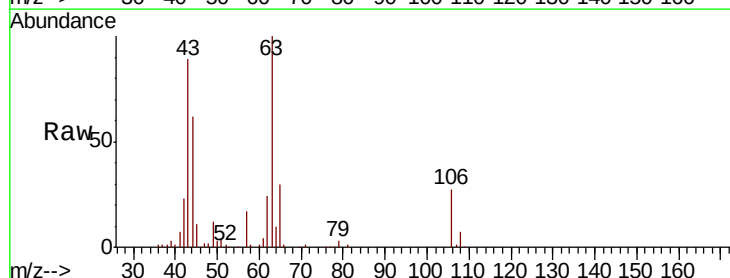
Acq: 30 Jul 2019 6:43

Tgt Ion: 63 Resp: 805879

Ion Ratio Lower Upper

63 100

106 27.3 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

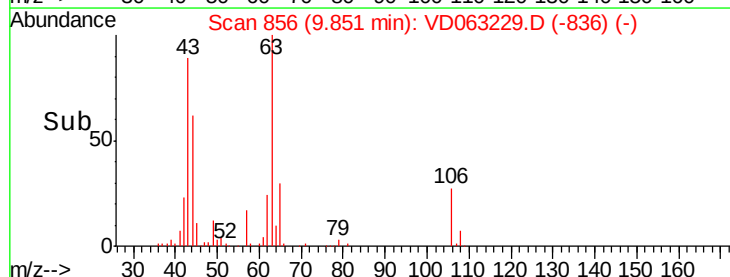
300000

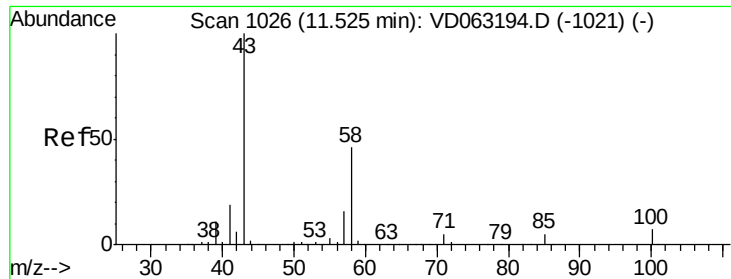
200000

100000

0

Time-->

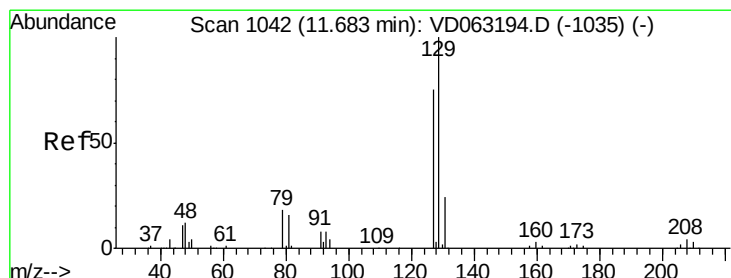
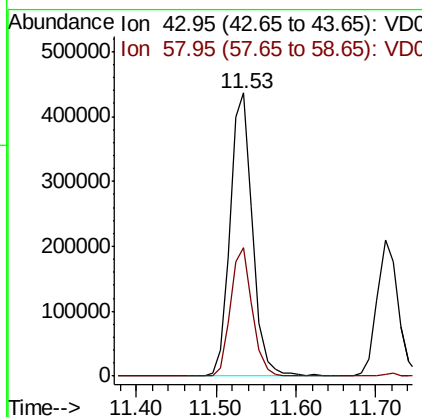
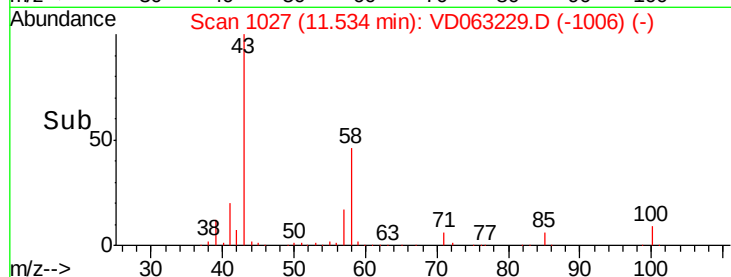
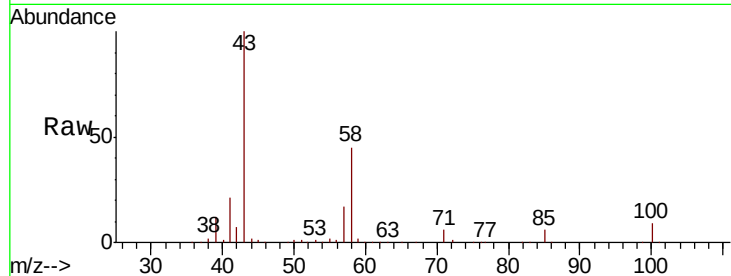




#59
2-Hexanone
Concen: 308.934 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

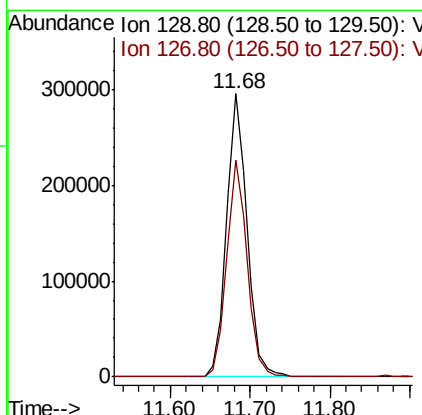
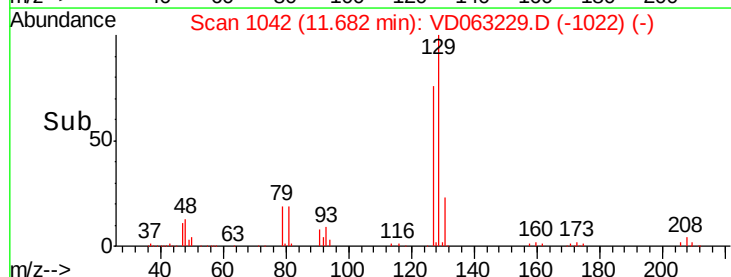
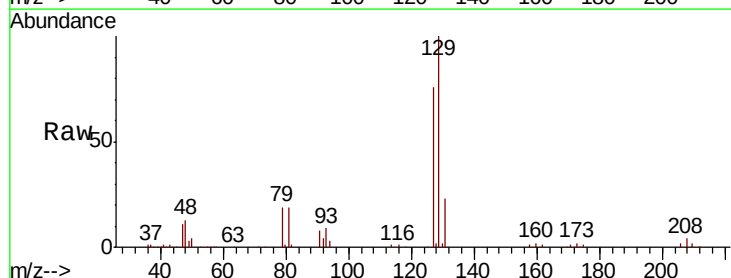
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

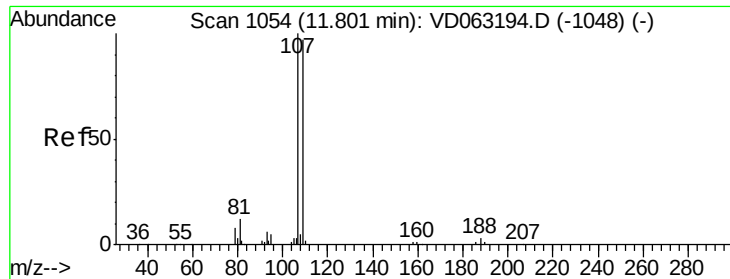
Tot Ion: 43 Resp: 860393
Ion Ratio Lower Upper
43 100
58 45.5 22.9 68.5



#60
Dibromochloromethane
Concen: 61.101 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 129 Resp: 537716
Ion Ratio Lower Upper
129 100
127 76.4 37.6 112.8

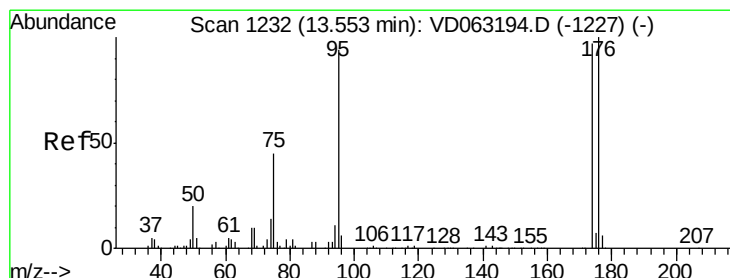
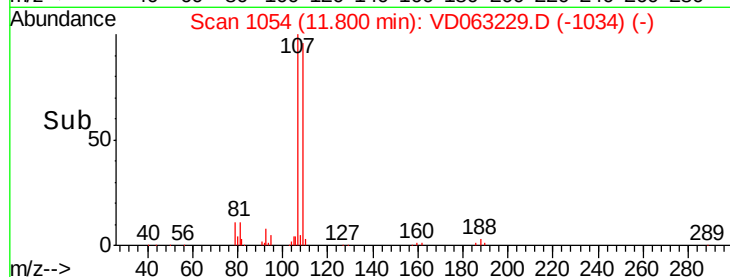
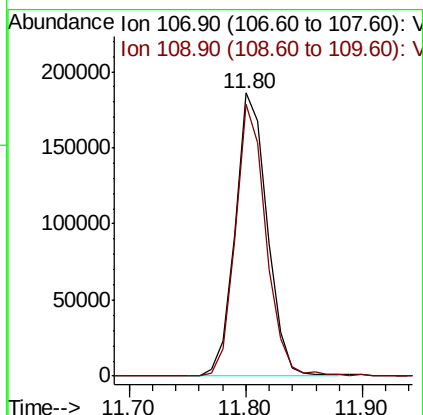
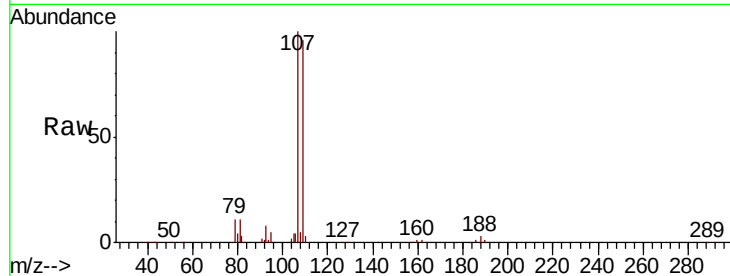




#61
 1,2-Dibromoethane
 Concen: 61.608 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

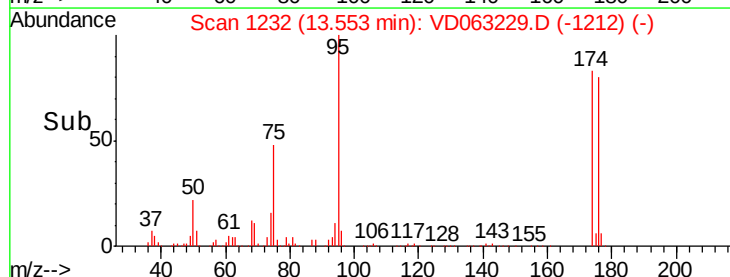
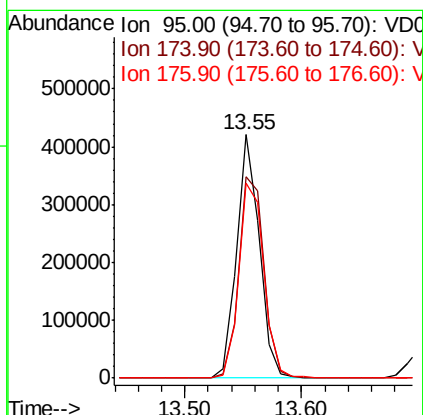
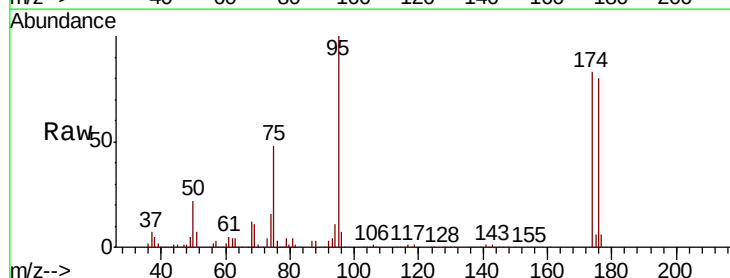
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

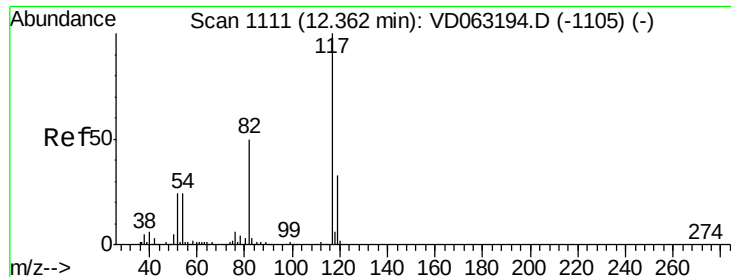
Tot Ion:107 Resp: 354384
 Ion Ratio Lower Upper
 107 100
 109 96.2 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 59.969 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 95 Resp: 566559
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 205.4
 176 80.1 0.0 211.8

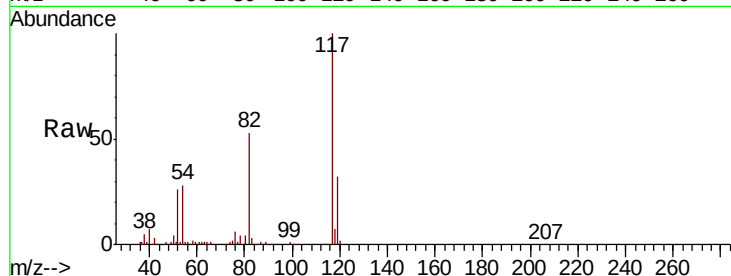




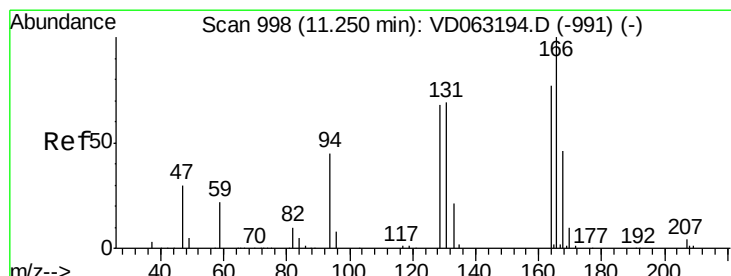
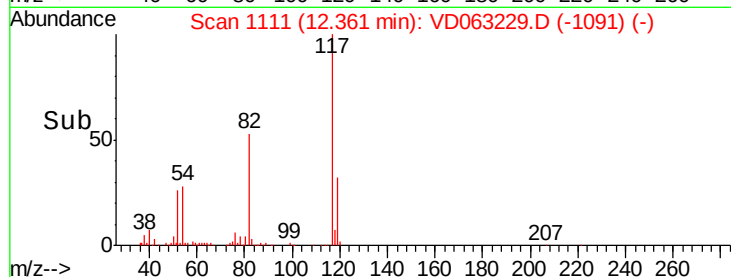
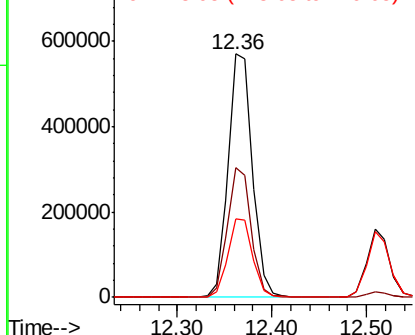
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1014393
Ion Ratio Lower Upper
117 100
82 53.3 40.1 60.1
119 32.2 26.5 39.7

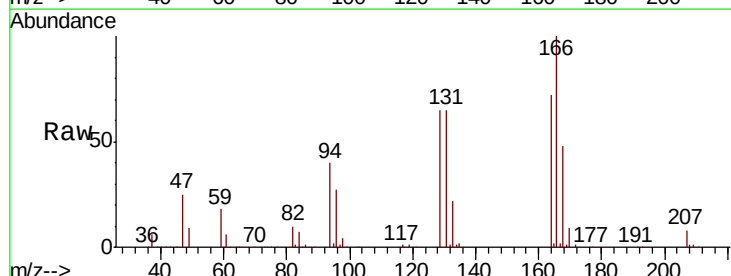


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

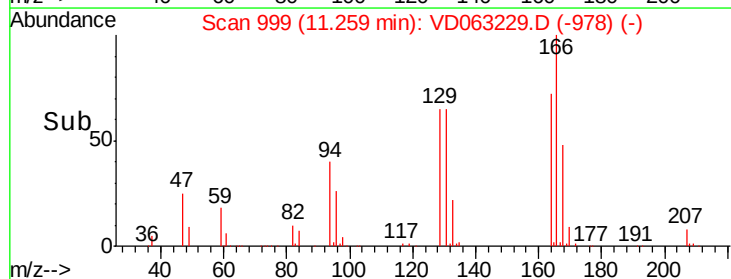
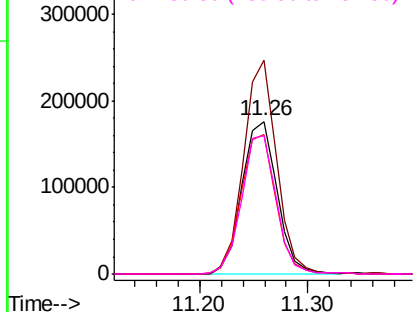


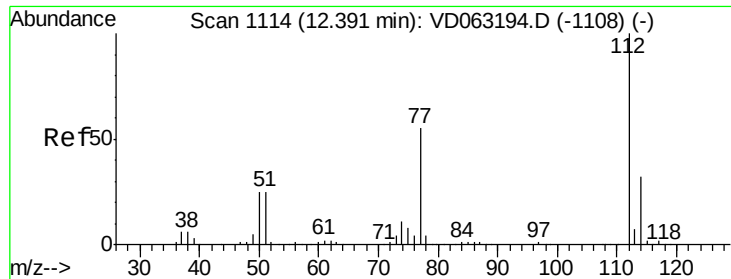
#64
Tetrachloroethene
Concen: 49.574 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion:164 Resp: 400623
Ion Ratio Lower Upper
164 100
166 139.6 104.3 156.5
129 90.9 70.9 106.3
131 90.4 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

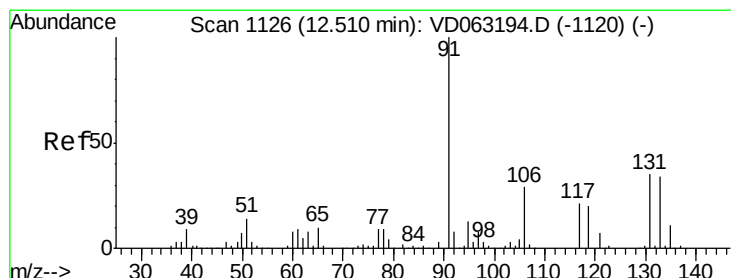
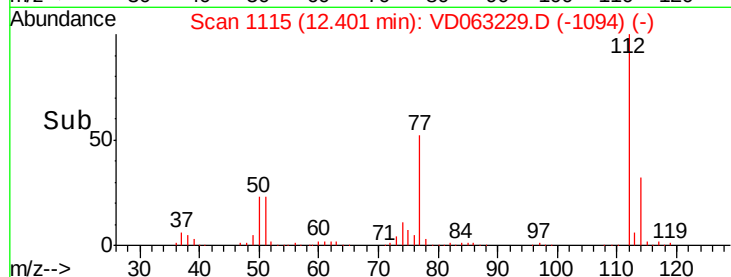
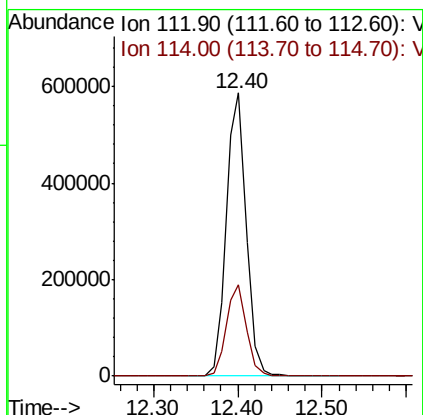
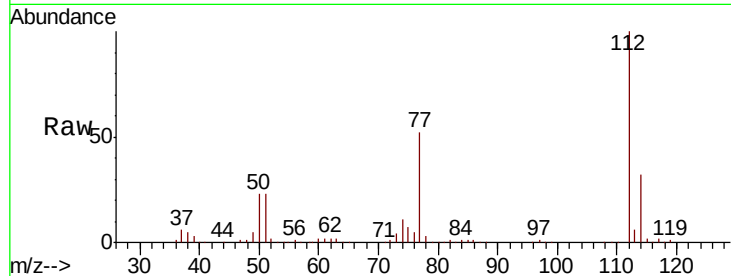




#65
Chlorobenzene
Concen: 49.196 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

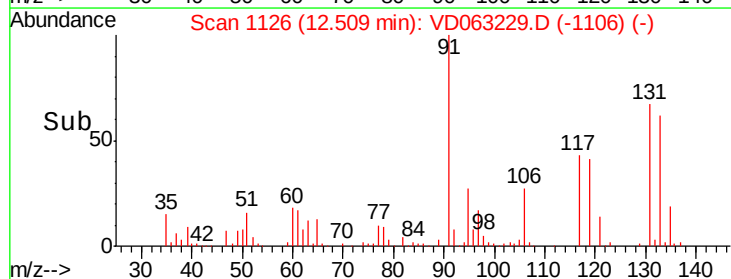
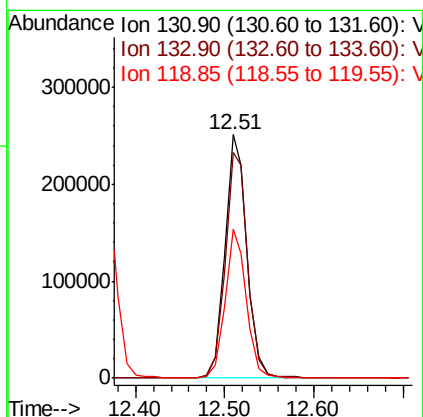
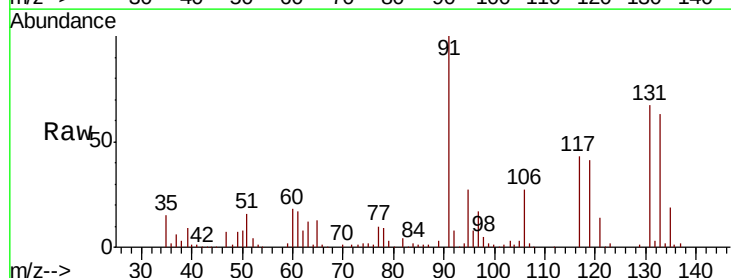
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

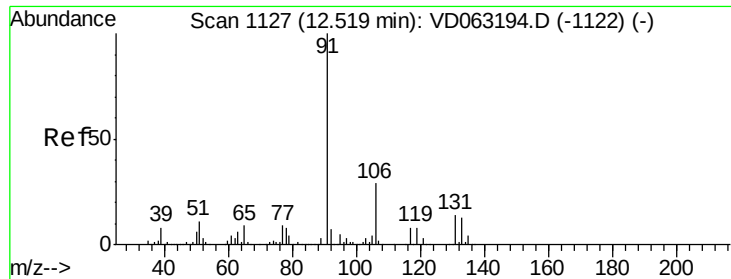
Tot Ion:112 Resp: 959884
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.492 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion:131 Resp: 433953
Ion Ratio Lower Upper
131 100
133 92.9 48.4 145.2
119 61.2 29.1 87.3

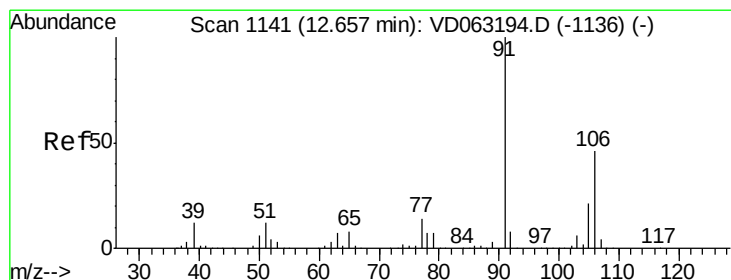
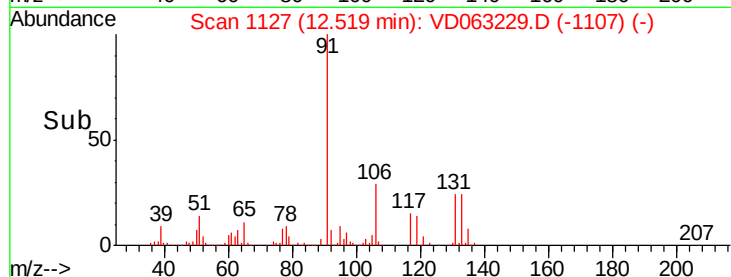
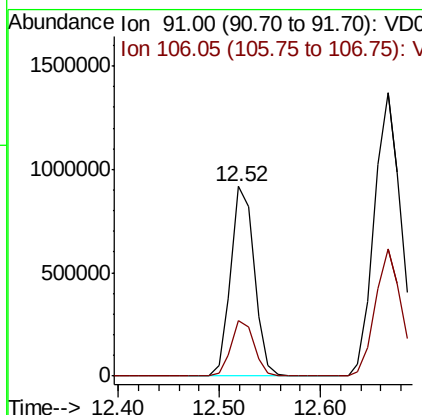
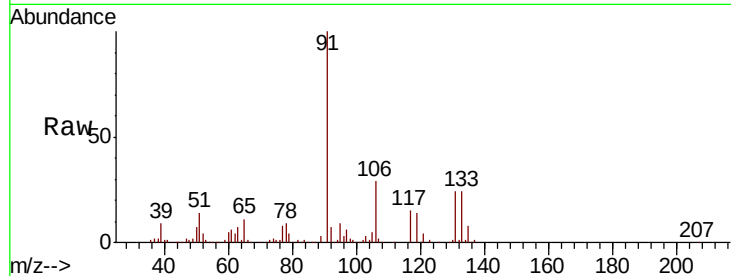




#67
Ethyl Benzene
Concen: 45.152 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

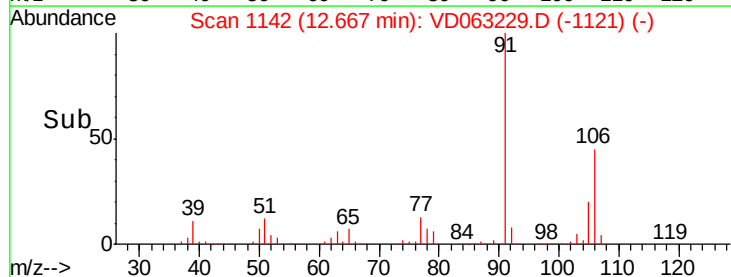
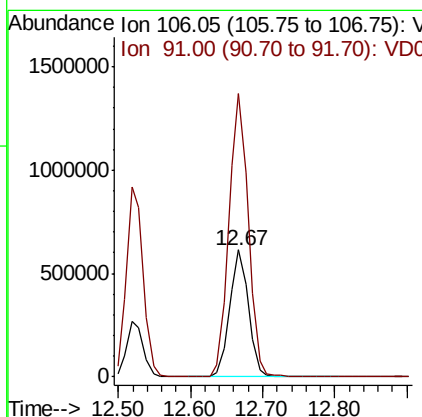
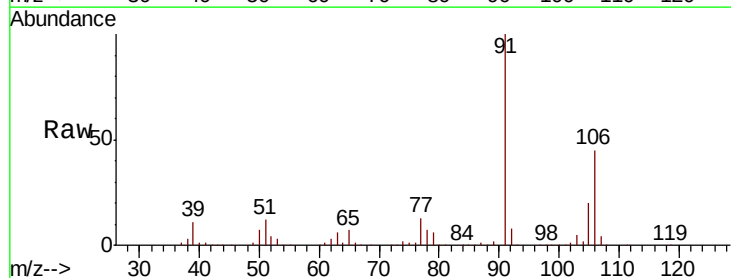
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

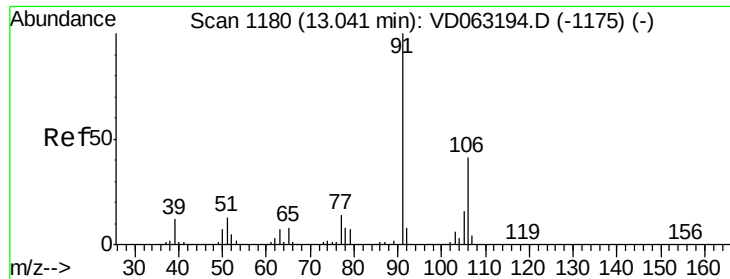
Tot Ion: 91 Resp: 1496580
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 91.716 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 106 Resp: 1114846
Ion Ratio Lower Upper
106 100
91 223.0 172.6 259.0

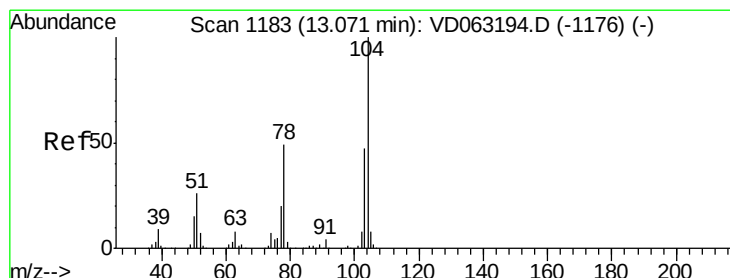
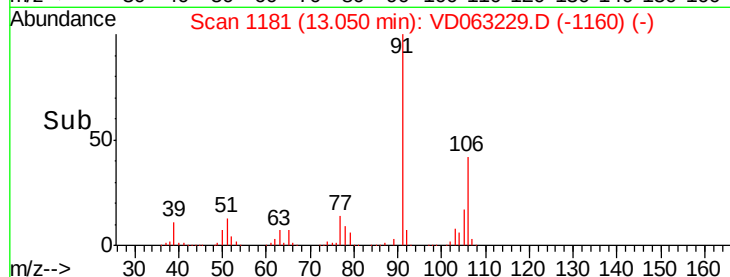
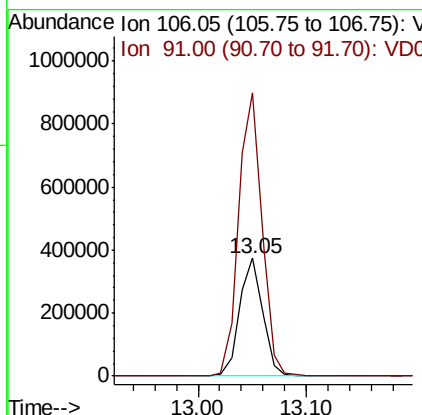
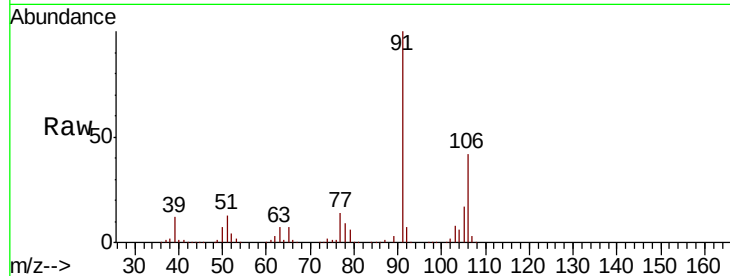




#69
o-Xylene
Concen: 49.913 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

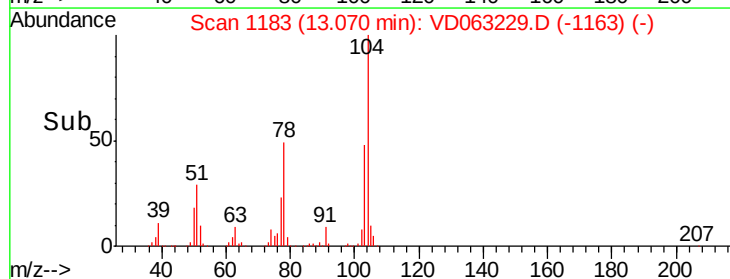
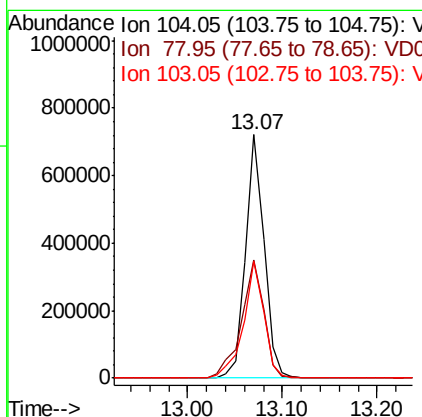
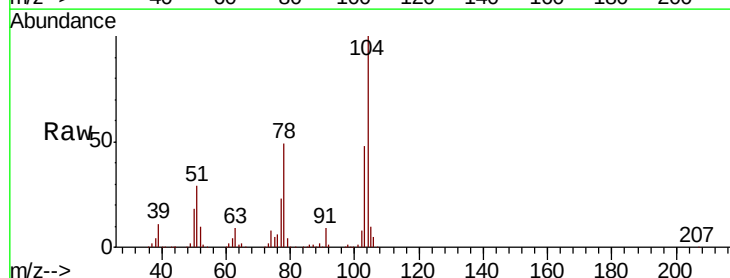
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

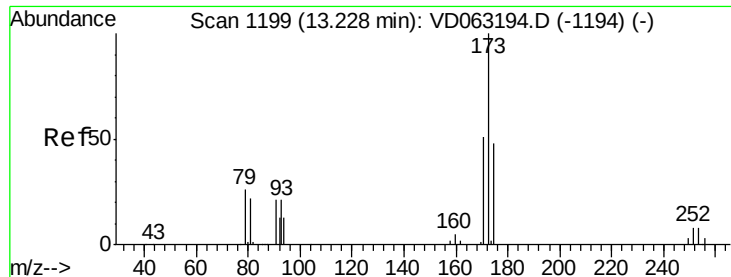
Tot Ion:106 Resp: 557146
Ion Ratio Lower Upper
106 100
91 240.6 121.3 363.9



#70
Styrene
Concen: 49.520 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion:104 Resp: 980286
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.0
103 47.9 37.4 56.2

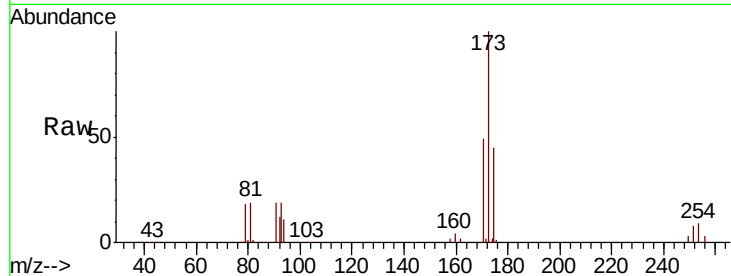




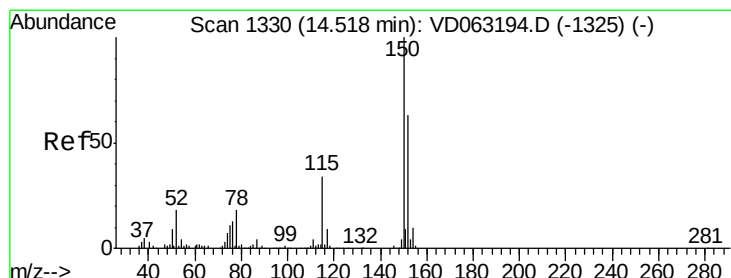
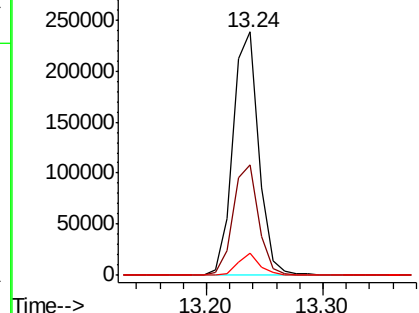
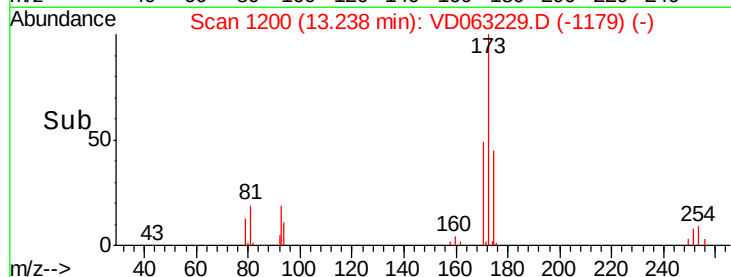
#71
Bromoform
Concen: 58.414 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 365094
Ion Ratio Lower Upper
173 100
175 45.5 23.8 71.5
254 9.0 6.6 10.0

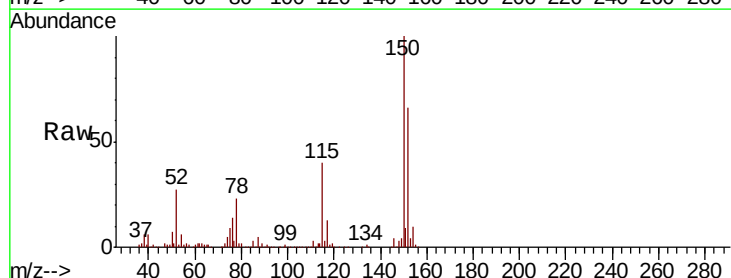


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

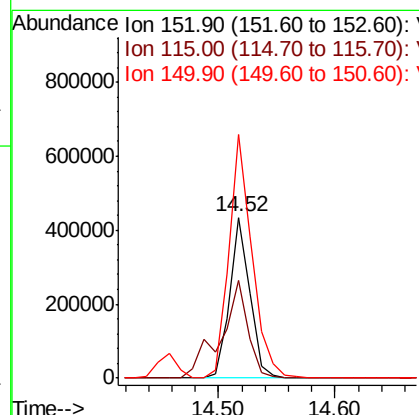
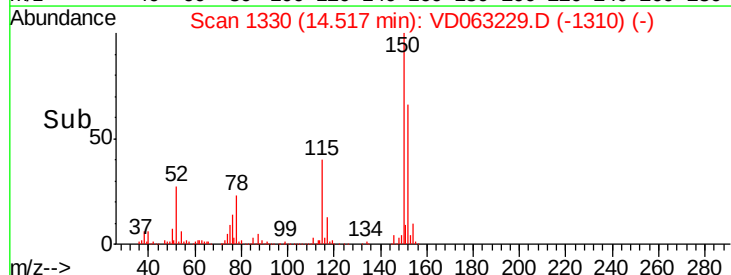


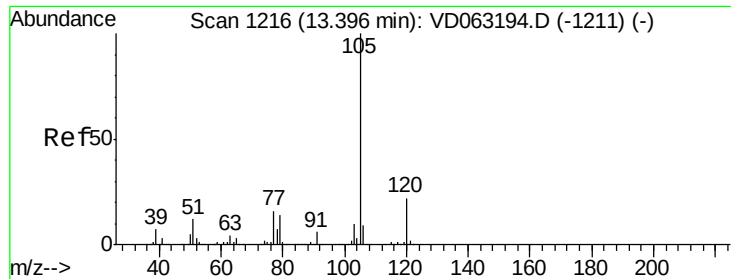
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion:152 Resp: 519473
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.4
150 151.5 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.245 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

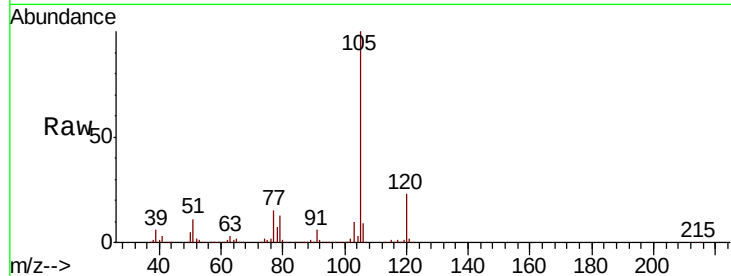
VSTDCCC050EC

Tot Ion:105 Resp: 1605562

Ion Ratio Lower Upper

105 100

120 23.1 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

1200000

1000000

800000

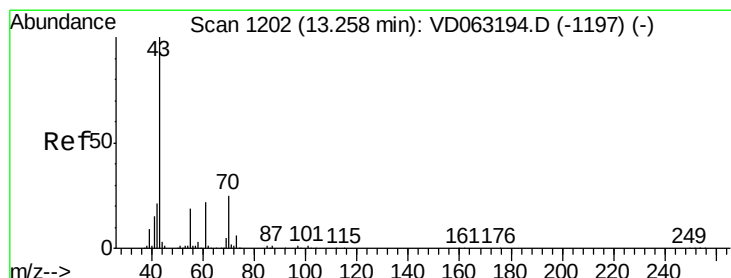
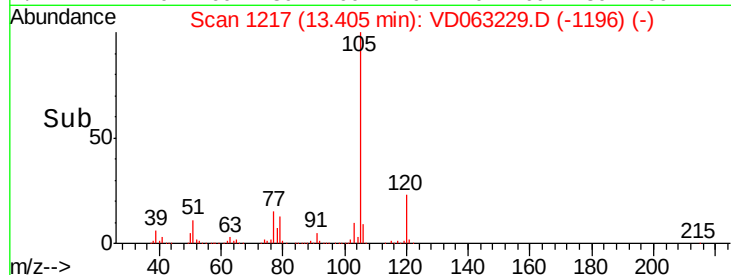
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 53.233 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Tgt Ion: 43 Resp: 458817

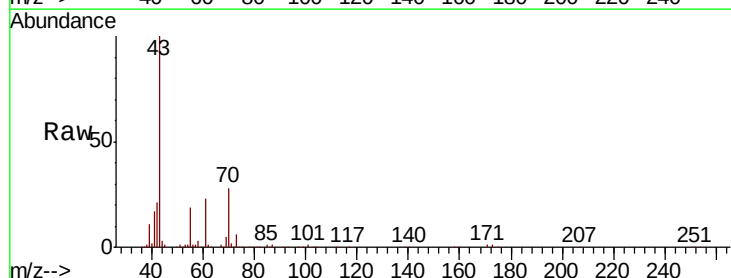
Ion Ratio Lower Upper

43 100

70 27.6 20.2 30.4

55 19.0 14.9 22.3

61 22.7 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

500000

400000

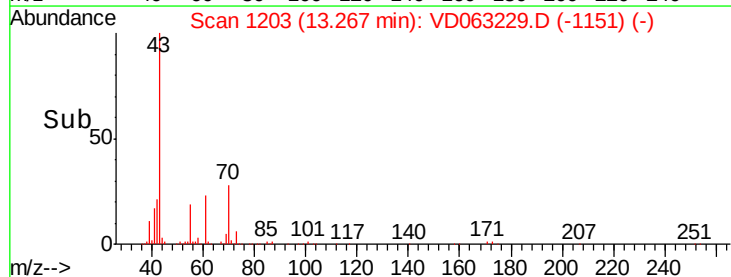
300000

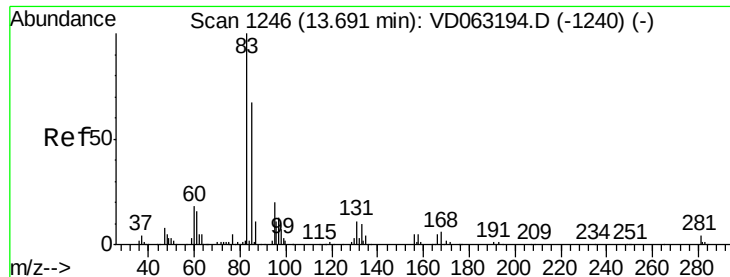
200000

100000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 60.566 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

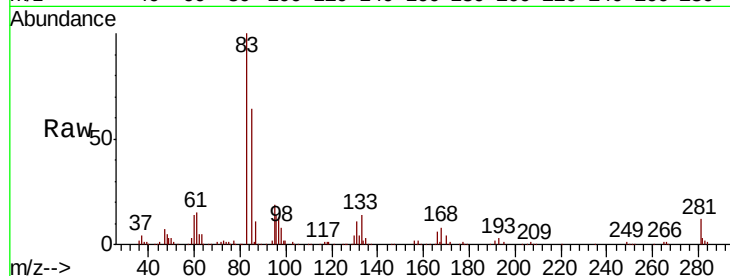
Tot Ion: 83 Resp: 335427

Ion Ratio Lower Upper

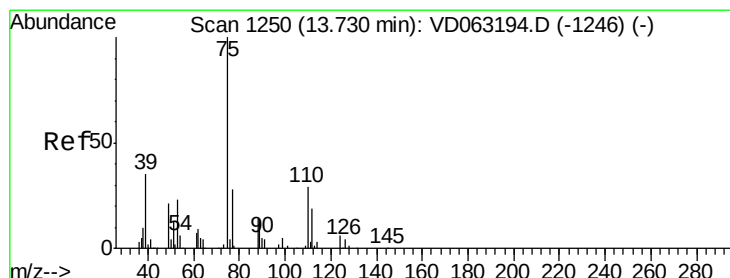
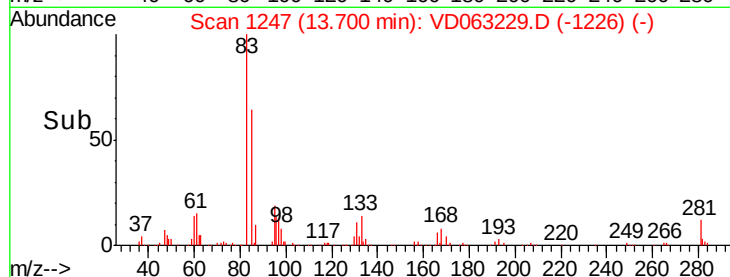
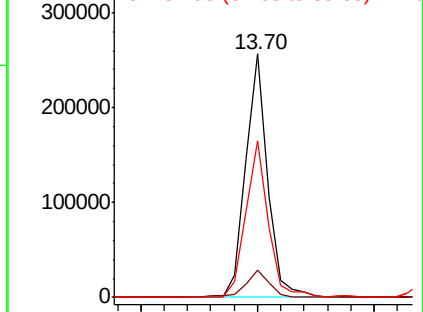
83 100

131 11.4 5.5 16.7

85 64.4 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: 56.075 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063229.D

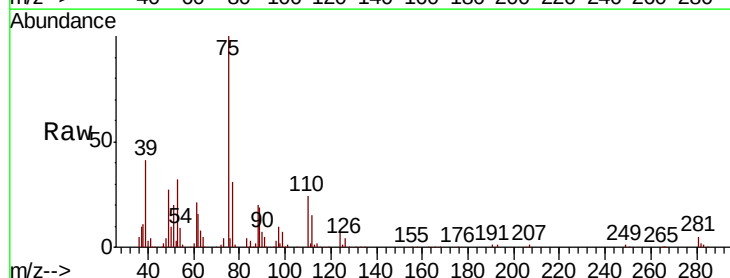
Acq: 30 Jul 2019 6:43

Tgt Ion: 75 Resp: 349881

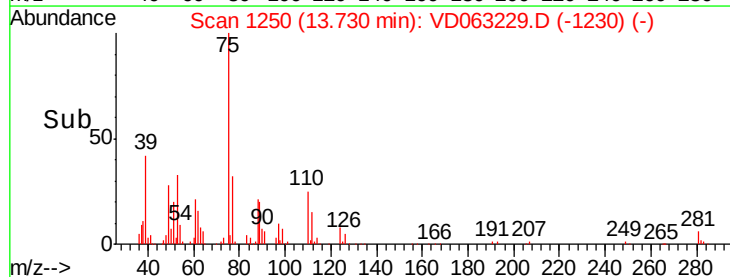
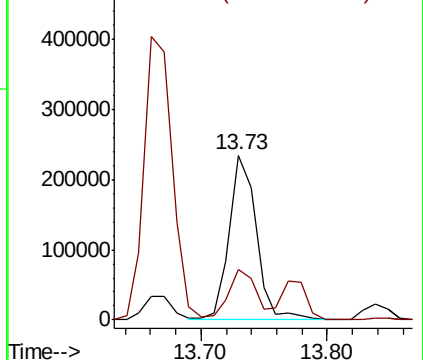
Ion Ratio Lower Upper

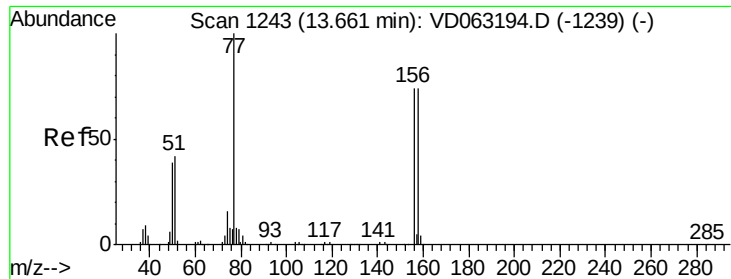
75 100

77 30.9 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: 53.454 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

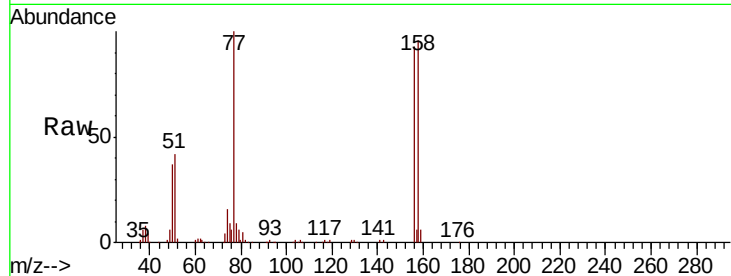
Tot Ion:156 Resp: 496474

Ion Ratio Lower Upper

156 100

77 107.6 67.6 202.8

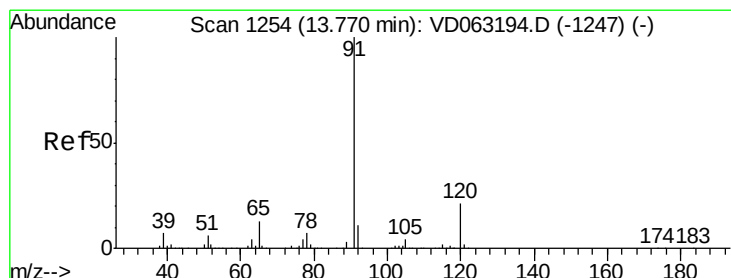
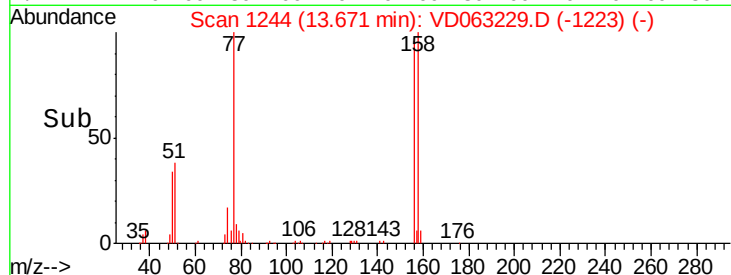
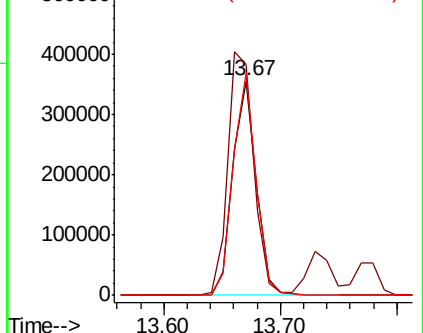
158 103.5 49.8 149.4



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: 49.719 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063229.D

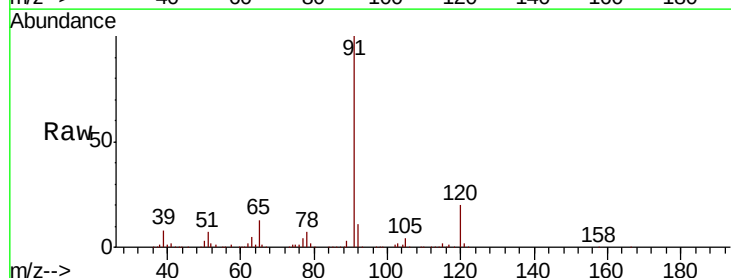
Acq: 30 Jul 2019 6:43

Tgt Ion: 91 Resp: 1929071

Ion Ratio Lower Upper

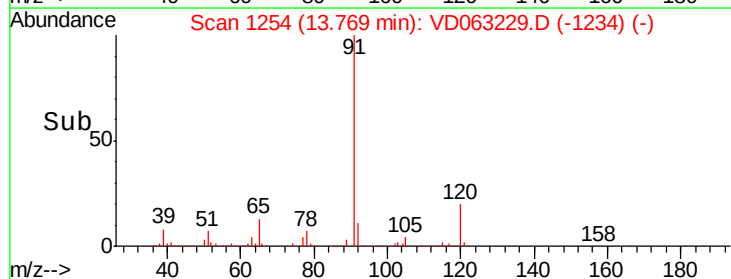
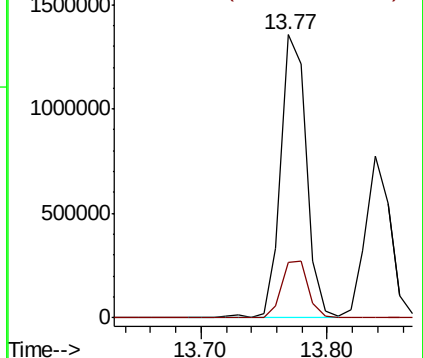
91 100

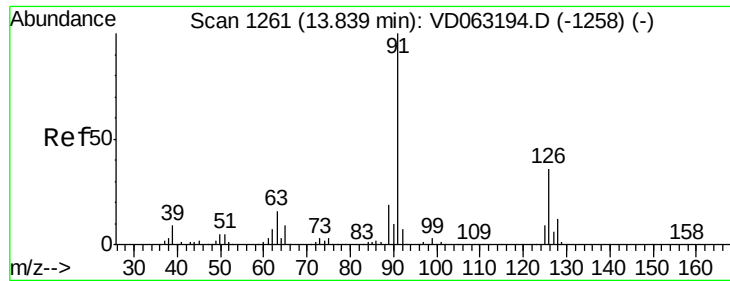
120 19.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

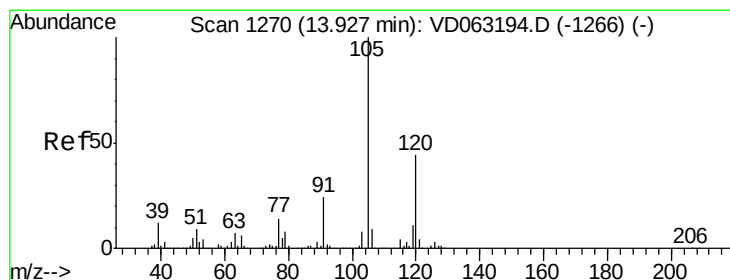
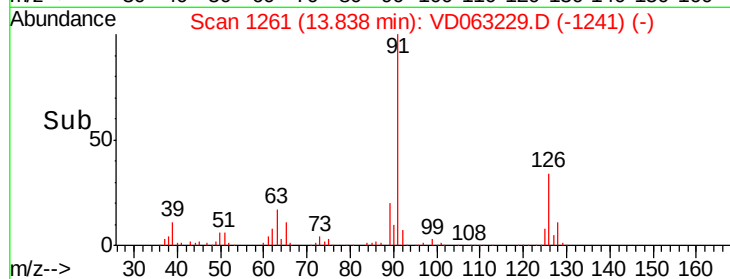
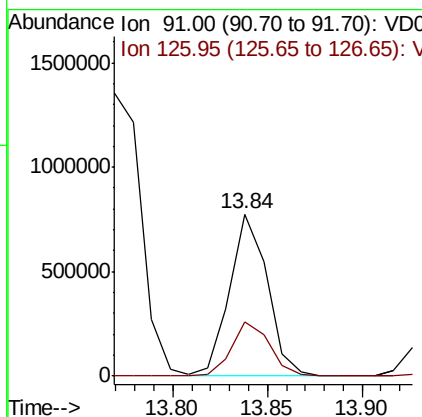
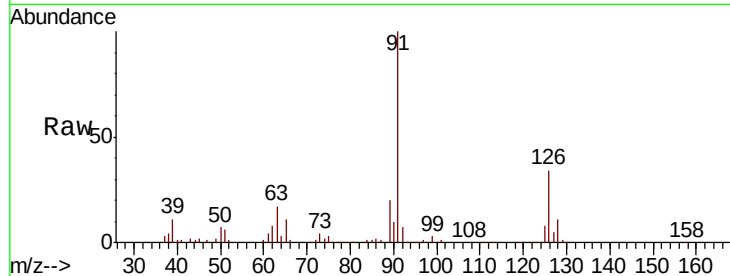




#79
 2-Chlorotoluene
 Concen: 47.381 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

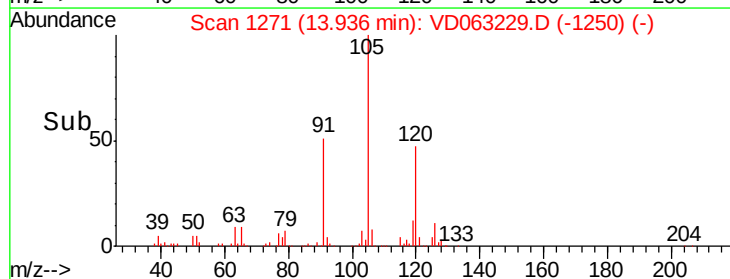
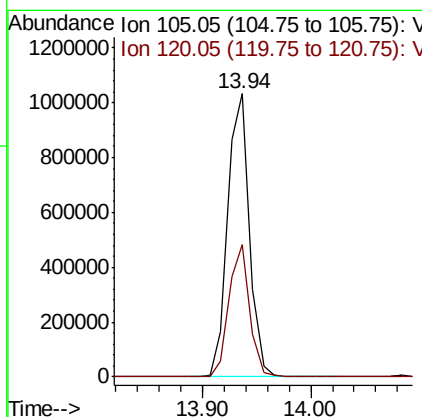
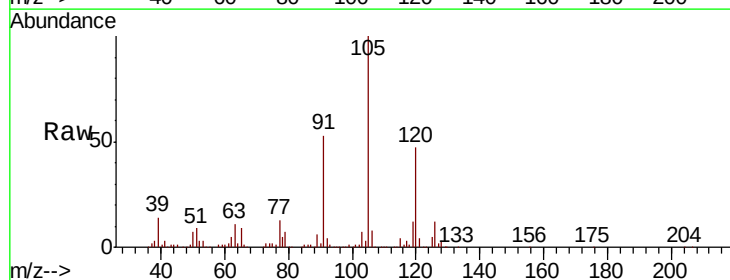
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

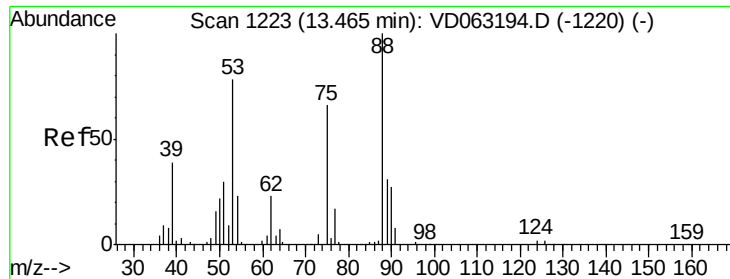
Tot Ion: 91 Resp: 1065189
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.321 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 105 Resp: 1443185
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.1 66.1

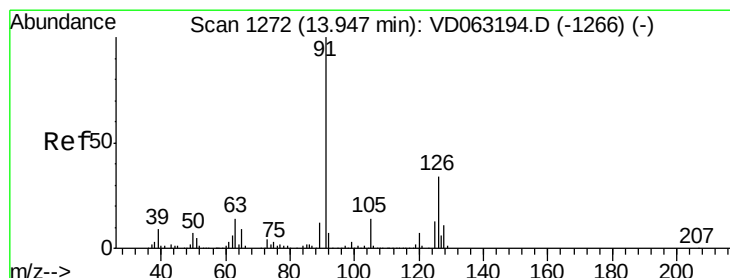
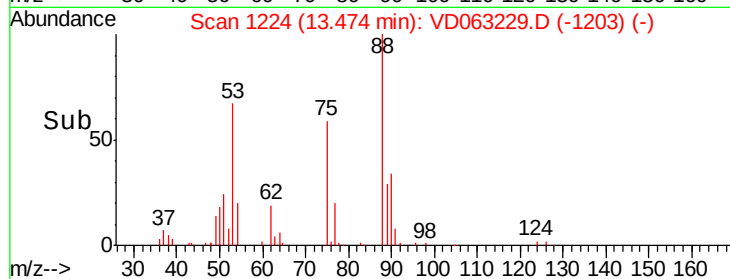
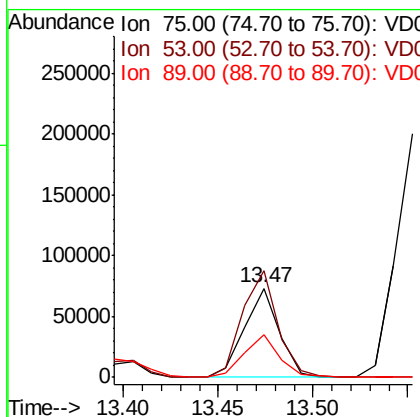
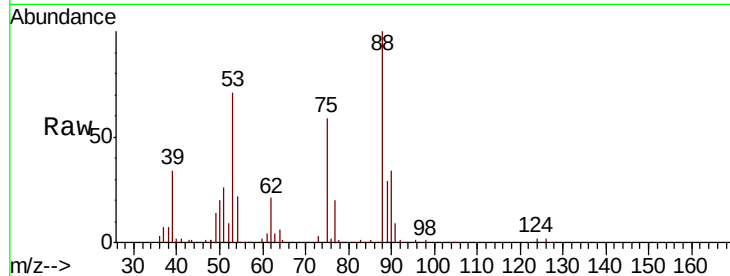




#81
trans-1,4-Dichloro-2-butene
Concen: 53.554 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

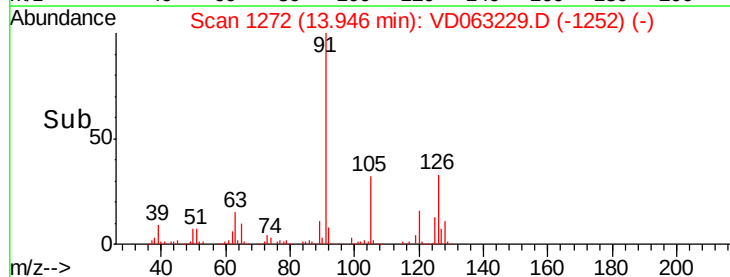
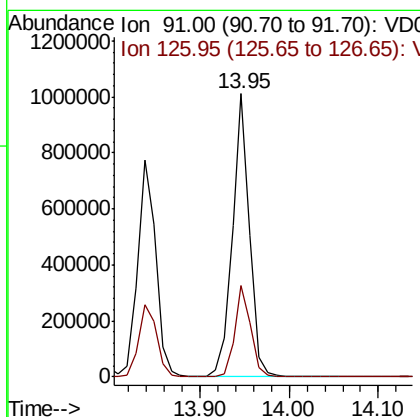
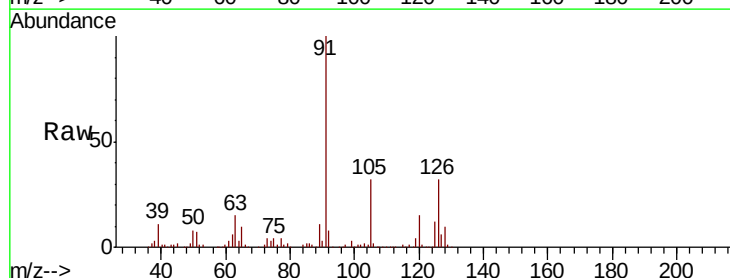
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

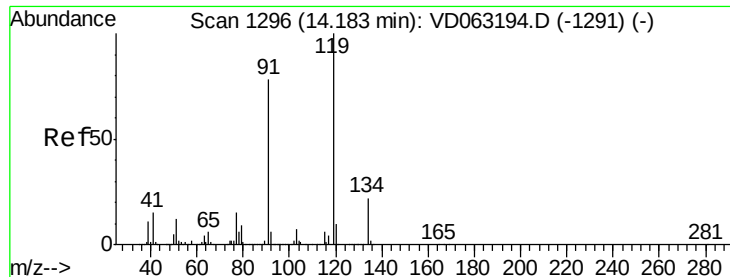
Tot Ion: 75 Resp: 92787
Ion Ratio Lower Upper
75 100
53 119.6 94.9 142.3
89 48.2 37.4 56.0



#82
4-Chlorotoluene
Concen: 51.648 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion: 91 Resp: 1366482
Ion Ratio Lower Upper
91 100
126 32.1 17.1 51.2





#83

tert-Butylbenzene

Concen: 50.215 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

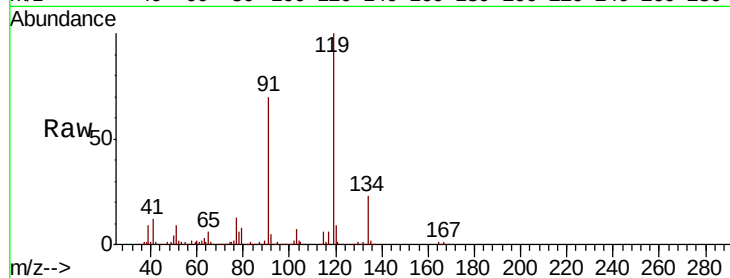
Tot Ion:119 Resp: 1612313

Ion Ratio Lower Upper

119 100

91 69.6 39.1 117.5

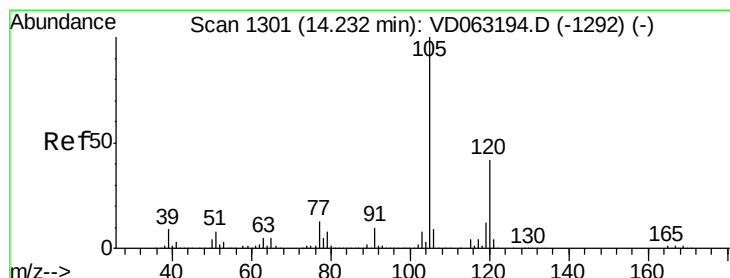
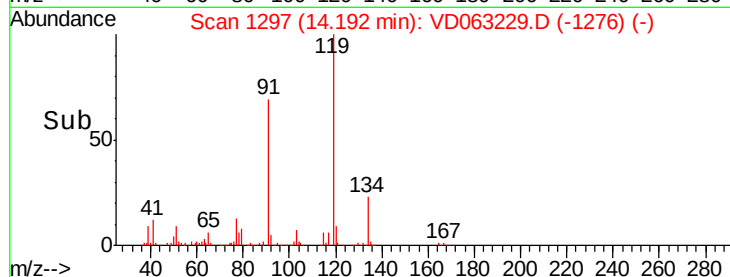
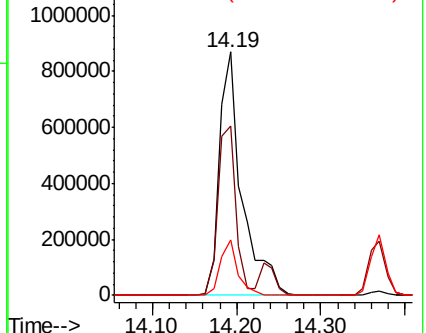
134 22.8 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.987 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063229.D

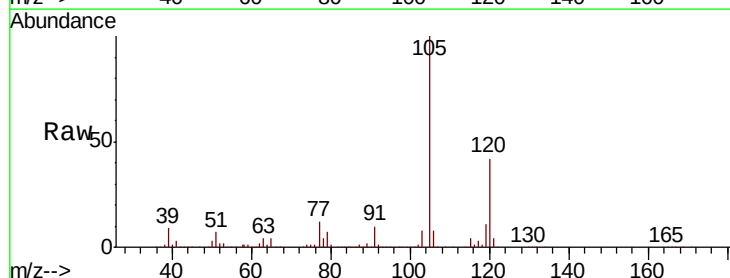
Acq: 30 Jul 2019 6:43

Tgt Ion:105 Resp: 1453942

Ion Ratio Lower Upper

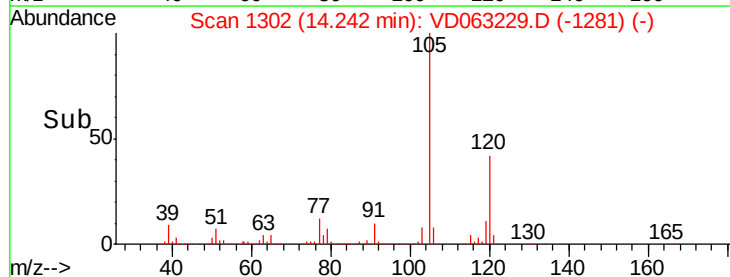
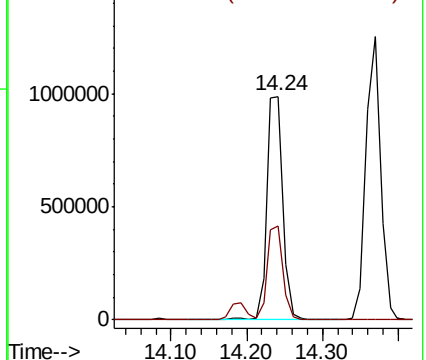
105 100

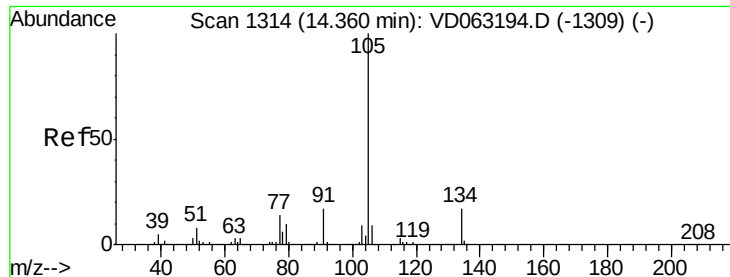
120 42.3 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 49.243 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

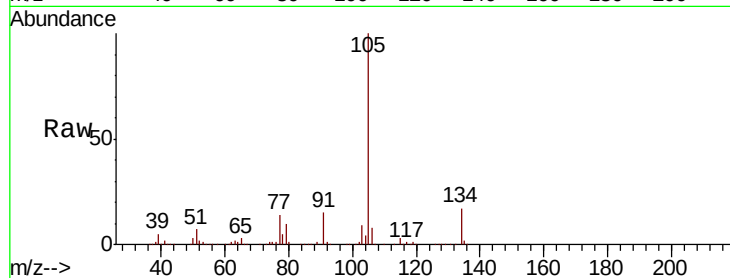
VSTDCCC050EC

Tot Ion:105 Resp: 1665837

Ion Ratio Lower Upper

105 100

134 17.4 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

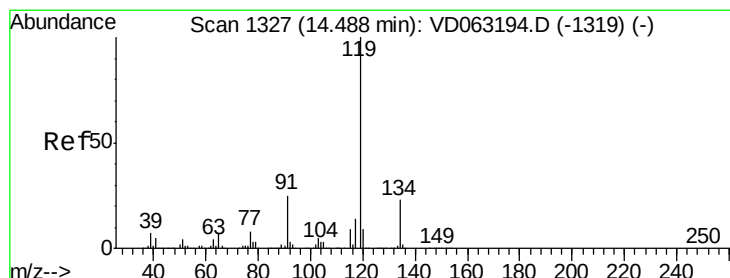
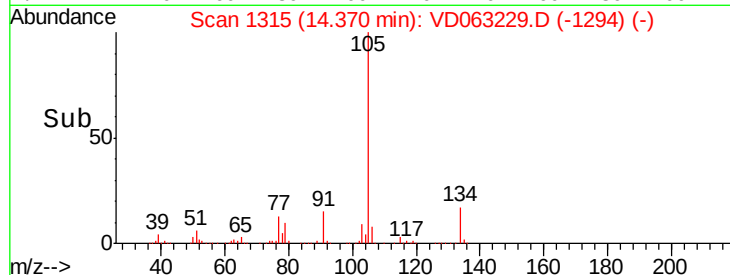
14.37

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.479 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

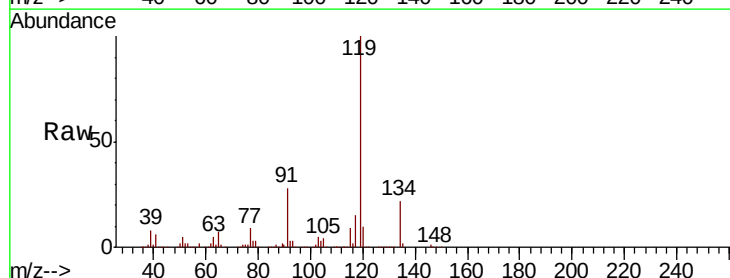
Tgt Ion:119 Resp: 1468431

Ion Ratio Lower Upper

119 100

134 22.4 11.5 34.5

91 28.1 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

14.49

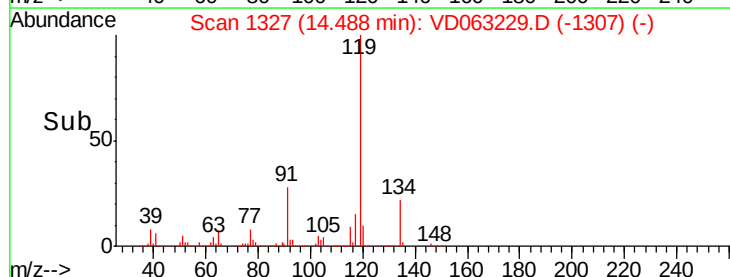
1500000

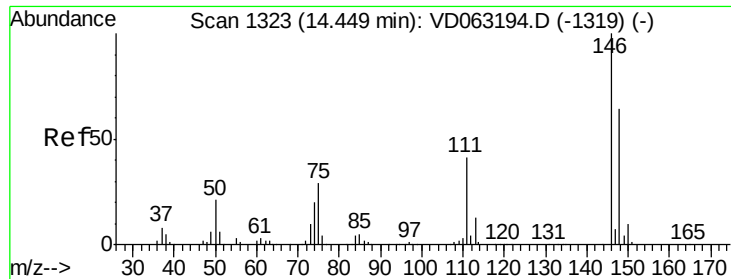
1000000

500000

0

Time-->

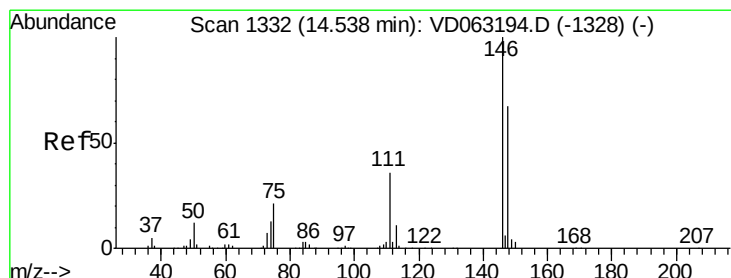
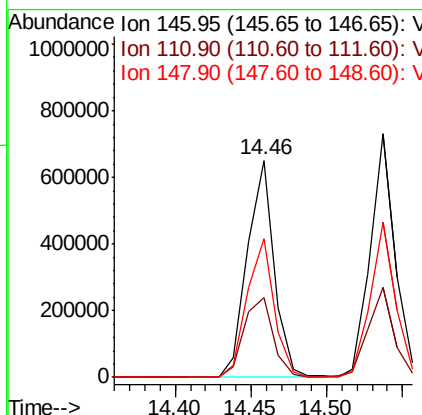
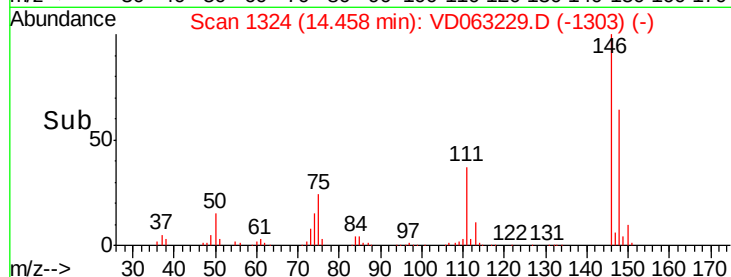
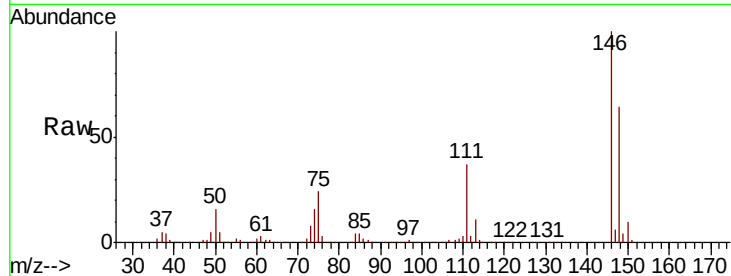




#87
 1,3-Dichlorobenzene
 Concen: 49.186 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

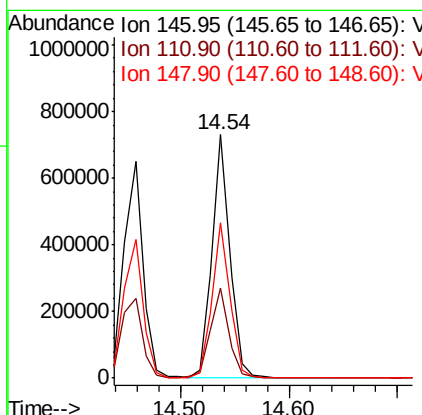
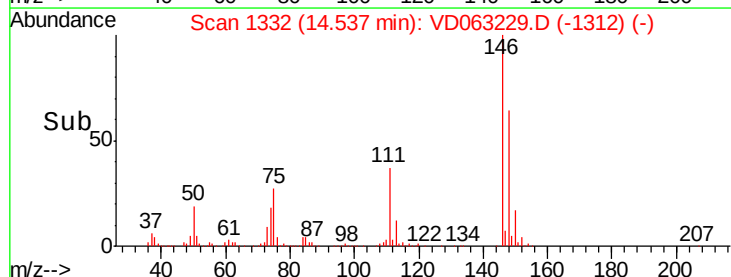
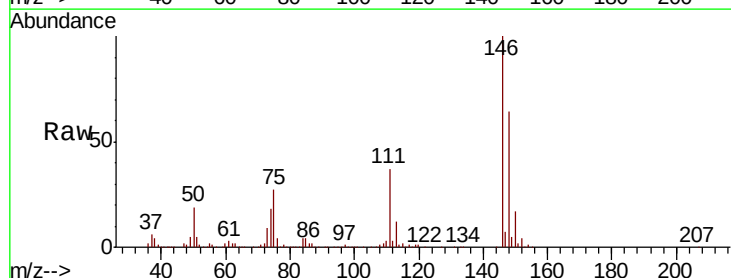
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

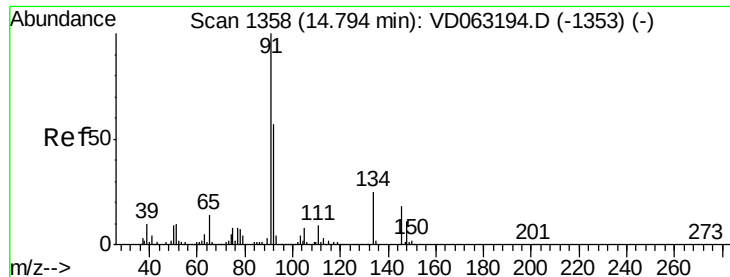
Tot Ion:146 Resp: 809017
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.4 61.3
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.824 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion:146 Resp: 845330
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.3
 148 63.7 33.4 100.1





#89

n-Butylbenzene

Concen: 43.007 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063229.D

Acq: 30 Jul 2019 6:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

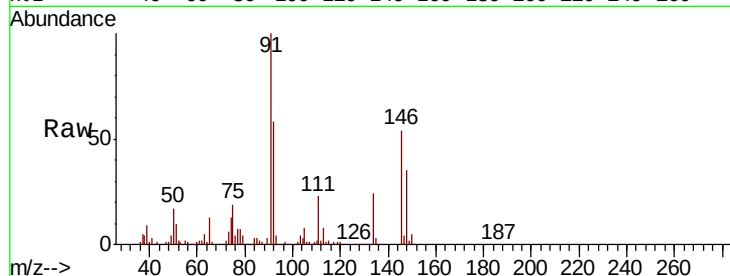
Tot Ion: 91 Resp: 1199326

Ion Ratio Lower Upper

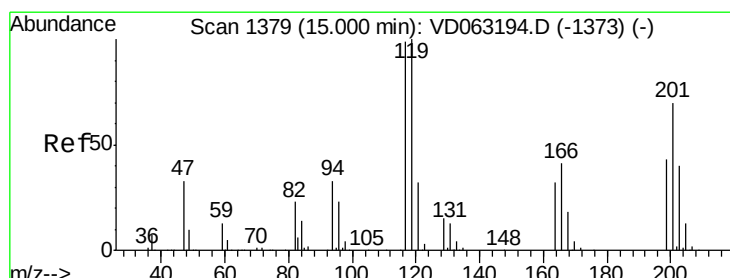
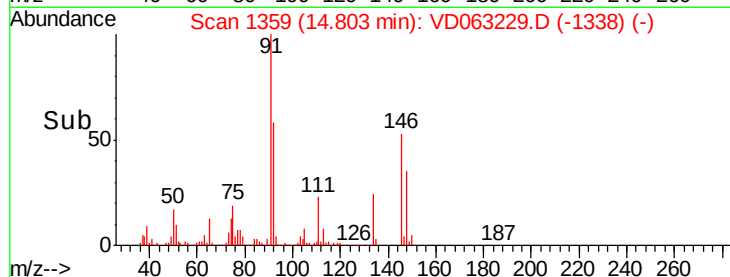
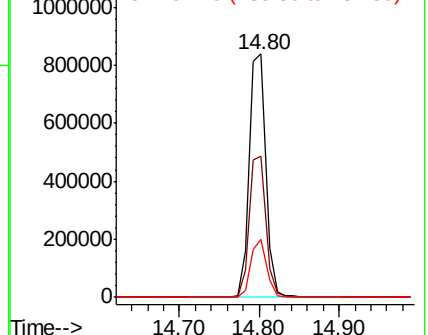
91 100

92 57.8 28.3 85.0

134 24.0 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: 51.684 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063229.D

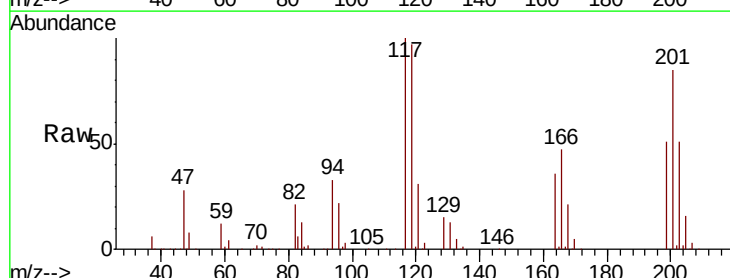
Acq: 30 Jul 2019 6:43

Tgt Ion: 117 Resp: 434775

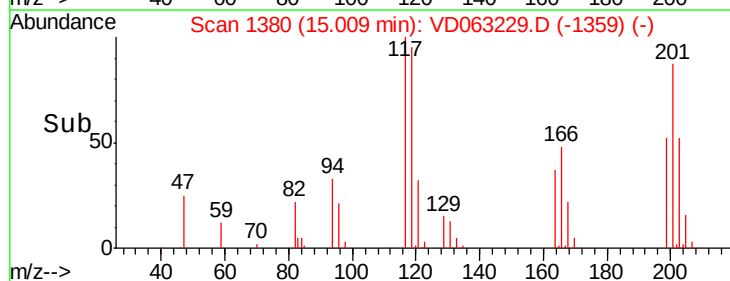
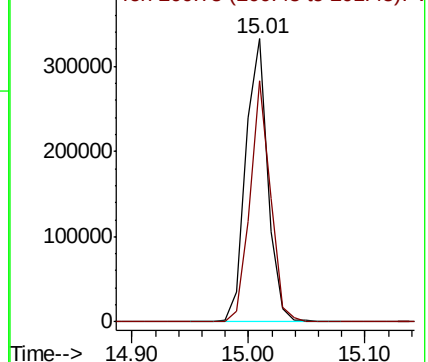
Ion Ratio Lower Upper

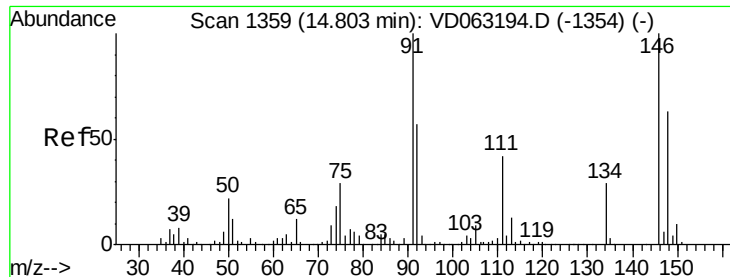
117 100

201 85.2 35.2 105.6



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

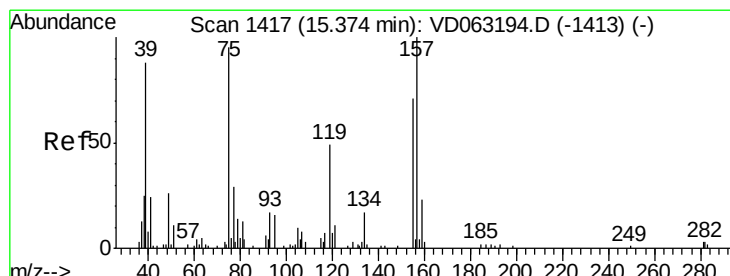
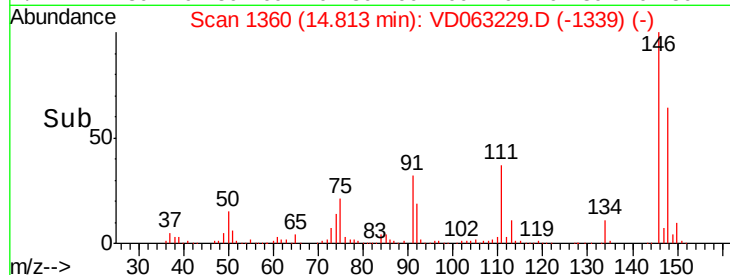
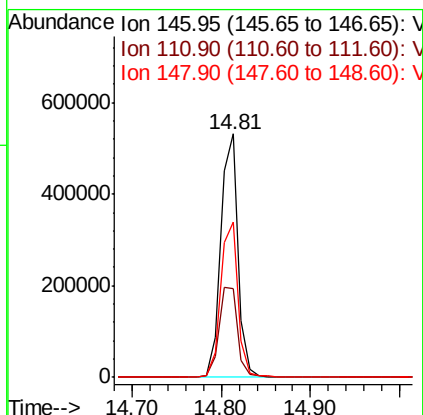
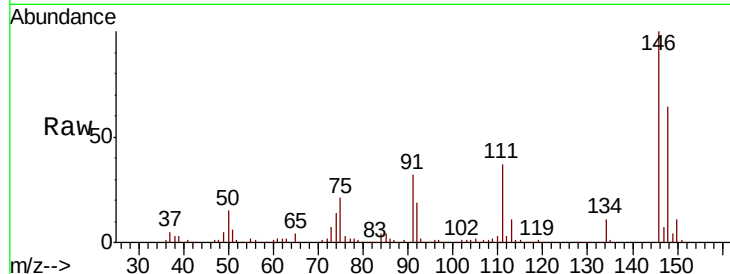




#91
 1,2-Dichlorobenzene
 Concen: 50.359 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

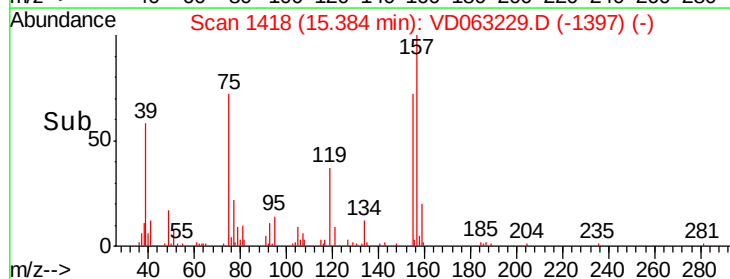
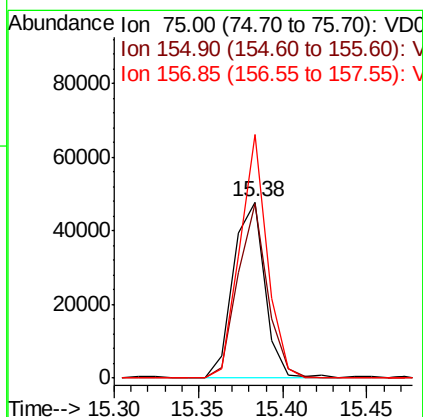
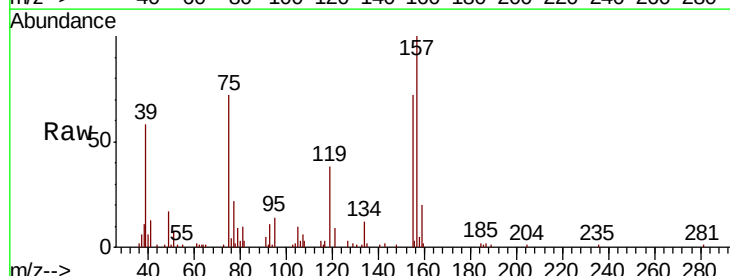
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

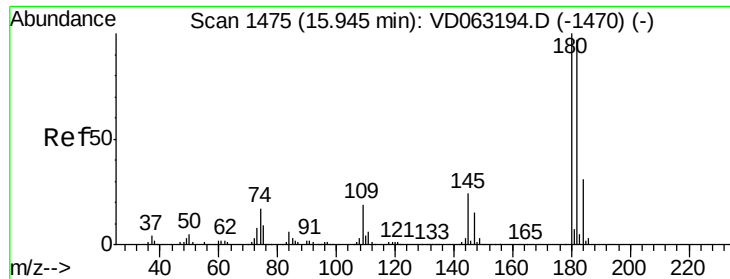
Tot Ion:146 Resp: 721685
 Ion Ratio Lower Upper
 146 100
 111 36.7 21.1 63.3
 148 63.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.204 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion: 75 Resp: 62276
 Ion Ratio Lower Upper
 75 100
 155 99.3 37.0 111.0
 157 138.3 52.4 157.2

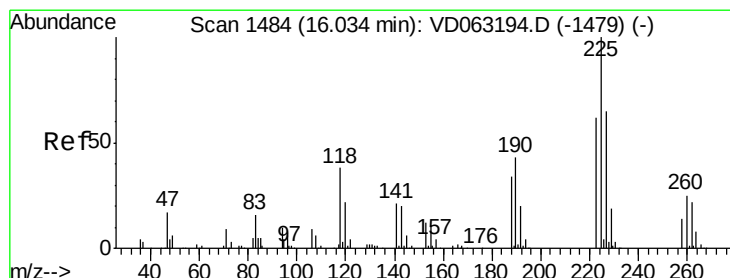
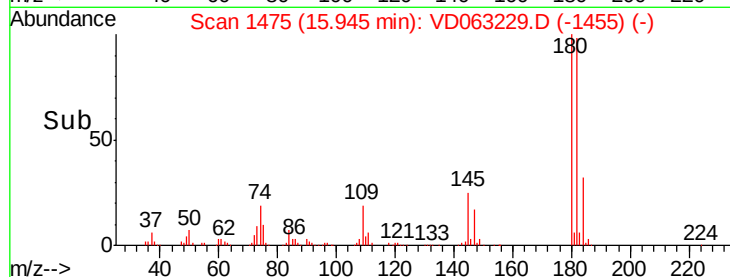
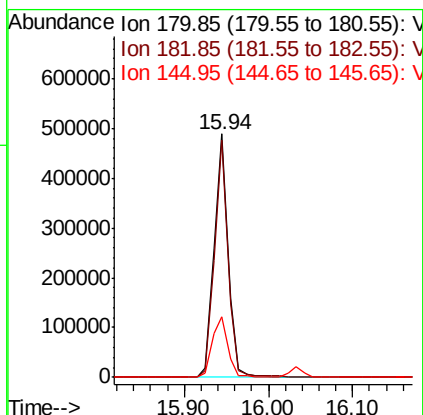
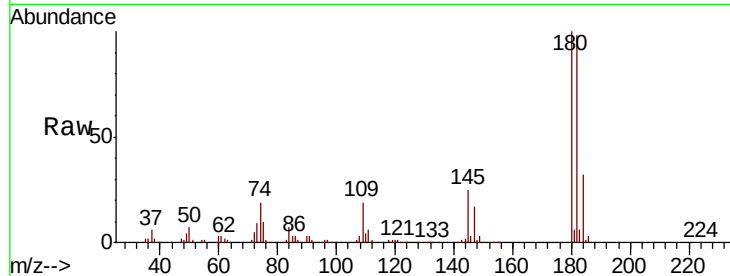




#93
 1,2,4-Trichlorobenzene
 Concen: 49.959 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

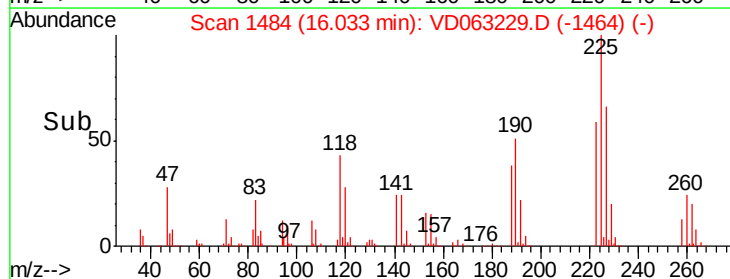
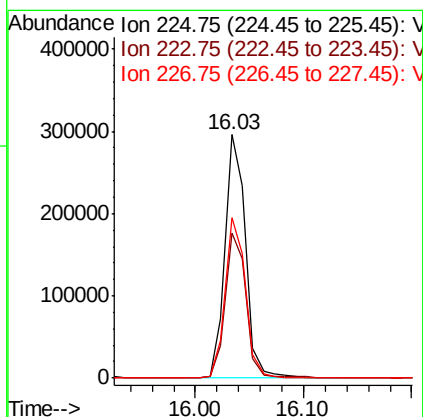
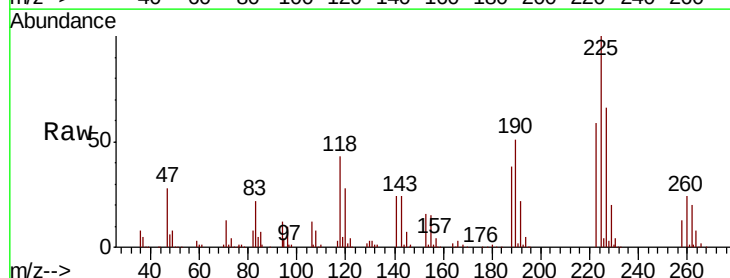
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

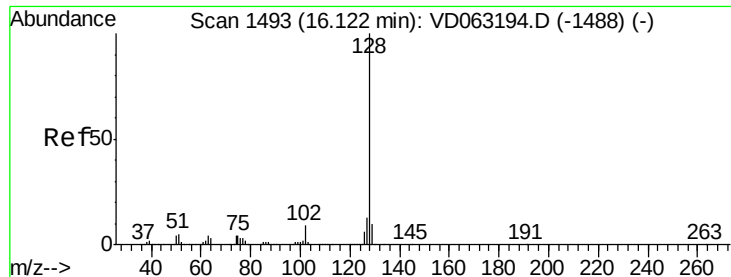
Tot Ion:180 Resp: 567976
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.6 145.8
 145 24.7 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 47.621 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063229.D
 Acq: 30 Jul 2019 6:43

Tgt Ion:225 Resp: 392332
 Ion Ratio Lower Upper
 225 100
 223 59.5 30.9 92.5
 227 65.8 32.6 97.7

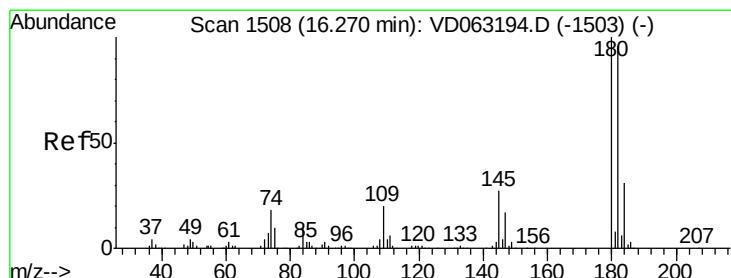
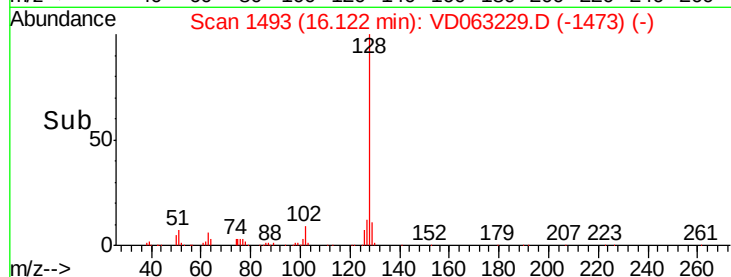
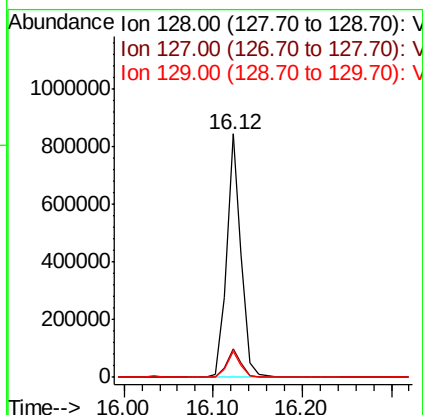
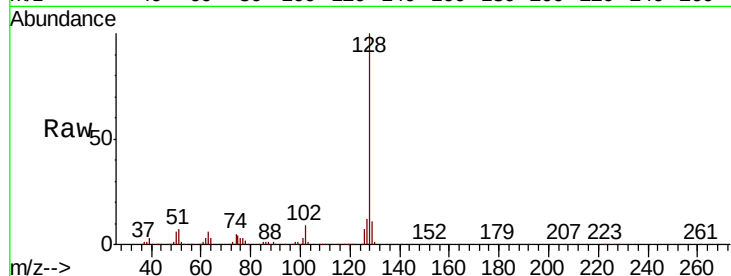




#95
Naphthalene
Concen: 60.358 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 969866
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 10.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 54.446 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063229.D
Acq: 30 Jul 2019 6:43

Tgt Ion:180 Resp: 488985
Ion Ratio Lower Upper
180 100
182 94.7 48.3 144.9
145 28.6 13.6 40.7

