

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063778.D
 Acq On : 23 Aug 2019 20:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 26 11:14:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	909038	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1328915	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1119940	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	607496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	582353	59.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.86%	
35) Dibromofluoromethane	6.92	113	613595	54.82	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.41	98	1324834	53.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	13.56	95	573115	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	502824	45.721	ug/l	100
3) Chloromethane	1.74	50	410922	47.823	ug/l	94
4) Vinyl Chloride	1.84	62	387355	45.411	ug/l	96
5) Bromomethane	2.15	94	193187	47.998	ug/l	99
6) Chloroethane	2.25	64	229971	58.956	ug/l	91
7) Trichlorofluoromethane	2.52	101	935033	55.884	ug/l	99
8) Diethyl Ether	2.87	74	160095	67.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	505329	51.148	ug/l	94
10) Methyl Iodide	3.29	142	663080	47.434	ug/l	98
11) Tert butyl alcohol	4.08	59	122243	288.993	ug/l	95
12) 1,1-Dichloroethene	3.11	96	362738	49.383	ug/l	98
13) Acrolein	3.02	56	115805	278.135	ug/l	95
14) Allyl chloride	3.60	41	560780	50.785	ug/l	98
15) Acrylonitrile	4.19	53	336897	300.689	ug/l	92
16) Acetone	3.22	43	515988	261.226	ug/l	98
17) Carbon Disulfide	3.37	76	973593	41.997	ug/l	98
18) Methyl Acetate	3.63	43	228100	60.966	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	958486	65.248	ug/l	100
20) Methylene Chloride	3.80	84	448501	52.510	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	420436	54.392	ug/l	88
22) Diisopropyl ether	5.12	45	1313985	57.666	ug/l	98
23) Vinyl Acetate	5.05	43	3978075	300.305	ug/l	99
24) 1,1-Dichloroethane	4.97	63	808779	57.228	ug/l	99
25) 2-Butanone	6.06	43	571289	292.844	ug/l	96
26) 2,2-Dichloropropane	6.02	77	772715	54.894	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	485159	57.368	ug/l	95
28) Bromochloromethane	6.43	49	331813	57.931	ug/l	96
29) Tetrahydrofuran	6.46	42	256886	282.591	ug/l	97
30) Chloroform	6.66	83	973367	55.410	ug/l	93
31) Cyclohexane	6.95	56	419447	47.808	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	958445	57.037	ug/l	98
36) 1,1-Dichloropropene	7.14	75	618925	52.684	ug/l	96
37) Ethyl Acetate	6.18	43	281998	57.285	ug/l #	95
38) Carbon Tetrachloride	7.11	117	974204	55.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	480829	48.133	ug/l	100
40) Benzene	7.44	78	1306540	50.537	ug/l	97
41) Methacrylonitrile	6.44	41	357166	57.624	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	711597	54.740	ug/l	99
43) Isopropyl Acetate	9.23	43	411201	62.368	ug/l #	99
44) Trichloroethene	8.54	130	514173	52.033	ug/l	99
45) 1,2-Dichloropropane	8.94	63	331698	55.094	ug/l	95
46) Dibromomethane	9.06	93	300187	58.386	ug/l	88
47) Bromodichloromethane	9.37	83	812188	61.584	ug/l	99
48) Methyl methacrylate	9.12	41	257150	57.511	ug/l	98
49) 1,4-Dioxane	9.08	88	42677	1067.143	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	1382635	306.470	ug/l	95
52) Toluene	10.50	92	883903	53.081	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	660618	61.379	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	688723	56.750	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	318406	56.607	ug/l	98
56) Ethyl methacrylate	11.05	69	360467	59.042	ug/l	96
57) 1,3-Dichloropropane	11.41	76	511484	60.157	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	1066360	330.843	ug/l	100
59) 2-Hexanone	11.53	43	976285	297.405	ug/l	92
60) Dibromochloromethane	11.69	129	653817	63.878	ug/l	98
61) 1,2-Dibromoethane	11.80	107	394673	57.960	ug/l	94
64) Tetrachloroethene	11.25	164	474337	54.864	ug/l	96
65) Chlorobenzene	12.39	112	1140306	54.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	535930	58.015	ug/l	99
67) Ethyl Benzene	12.52	91	2017576	55.280	ug/l	100
68) m/p-Xylenes	12.67	106	1367601	106.656	ug/l	96
69) o-Xylene	13.04	106	609746	49.407	ug/l	97
70) Styrene	13.07	104	1108120	50.478	ug/l	98
71) Bromoform	13.23	173	406491	64.173	ug/l	96
73) Isopropylbenzene	13.40	105	1920229	49.695	ug/l	98
74) N-amyl acetate	13.26	43	545638	56.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	371045	57.853	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	423486	60.741	ug/l	100
77) Bromobenzene	13.66	156	566042	53.600	ug/l	95
78) n-propylbenzene	13.77	91	2209232	48.866	ug/l	95
79) 2-Chlorotoluene	13.84	91	1406647	53.962	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1652417	48.944	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	105142	56.109	ug/l	98
82) 4-Chlorotoluene	13.95	91	1637820	52.250	ug/l	91
83) tert-Butylbenzene	14.19	119	1932208	54.349	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1577302	50.493	ug/l	94
85) sec-Butylbenzene	14.36	105	1911812	50.637	ug/l	99
86) p-Isopropyltoluene	14.49	119	1893077	52.440	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	994683	52.073	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	1009502	55.083	ug/l	97
89) n-Butylbenzene	14.80	91	1769058	53.693	ug/l	92
90) Hexachloroethane	15.00	117	438451	48.322	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	906943	55.962	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71582	59.275	ug/l	80

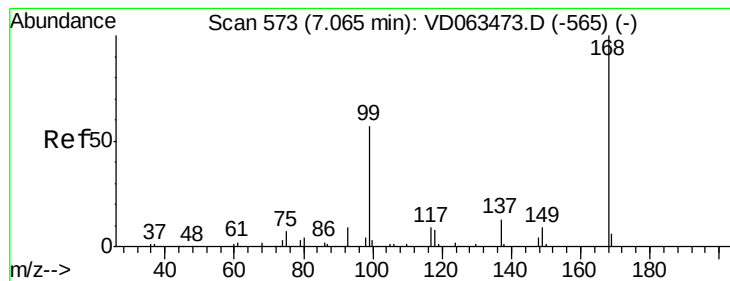
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	696941	58.443	ug/l	96
94) Hexachlorobutadiene	16.04	225	521549	57.385	ug/l	97
95) Naphthalene	16.13	128	905659	50.112	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	569523	59.129	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

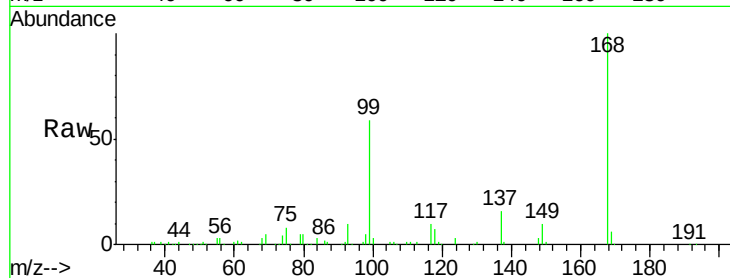
VSTDCCC050EC

Tot Ion:168 Resp: 909038

Ion Ratio Lower Upper

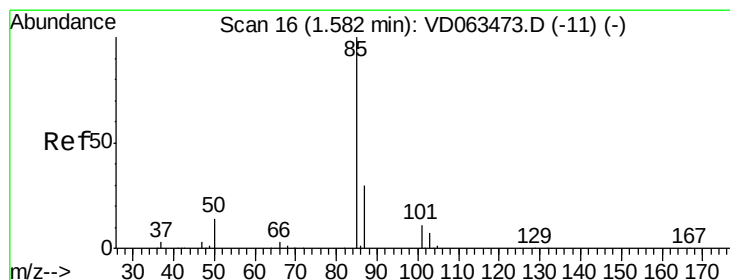
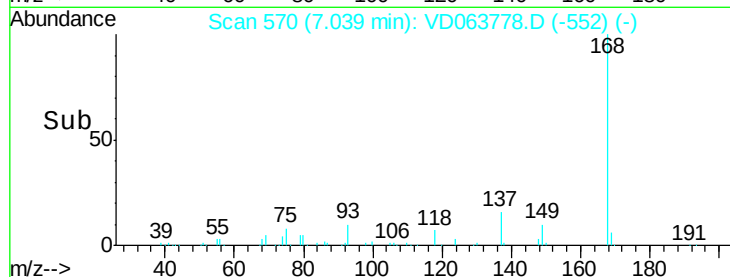
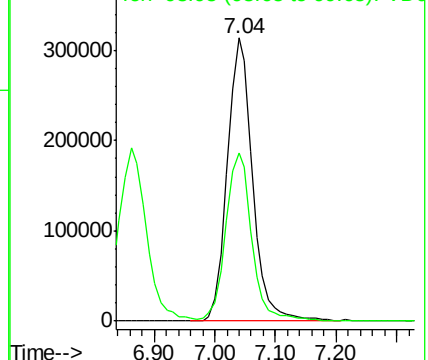
168 100

99 59.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.721 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063778.D

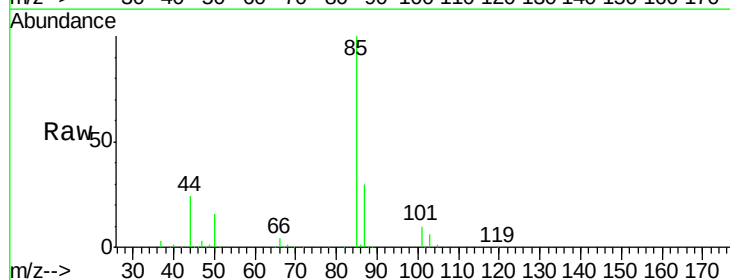
Acq: 23 Aug 2019 20:38

Tgt Ion: 85 Resp: 502824

Ion Ratio Lower Upper

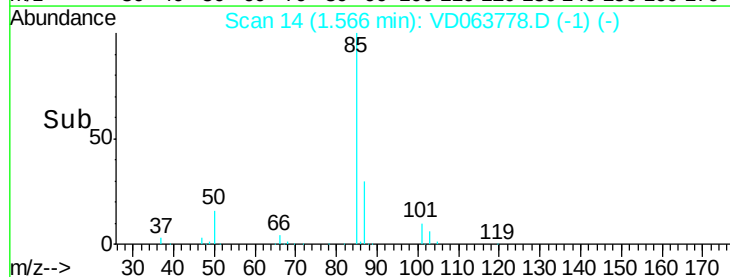
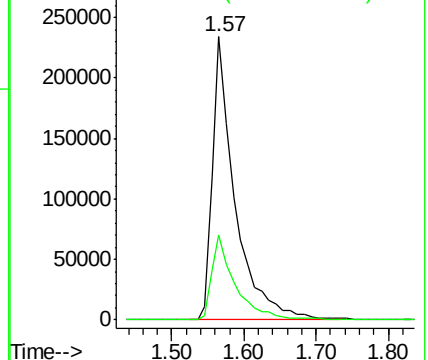
85 100

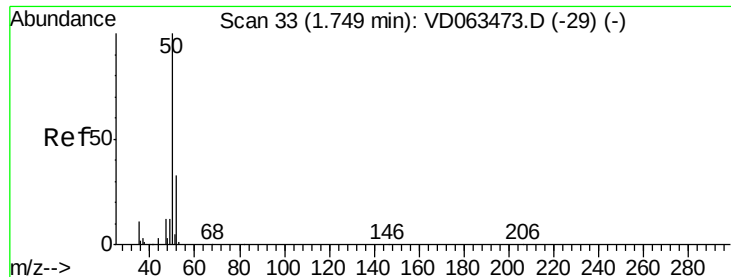
87 30.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.823 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

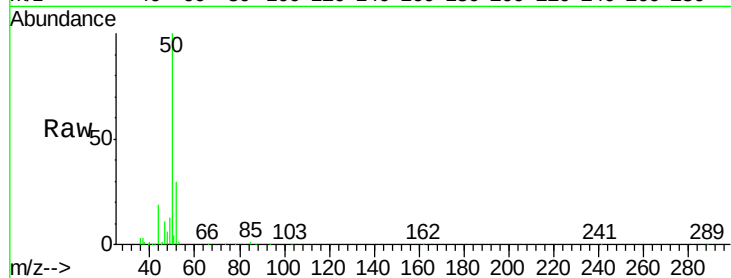
VSTDCCC050EC

Tot Ion: 50 Resp: 410922

Ion Ratio Lower Upper

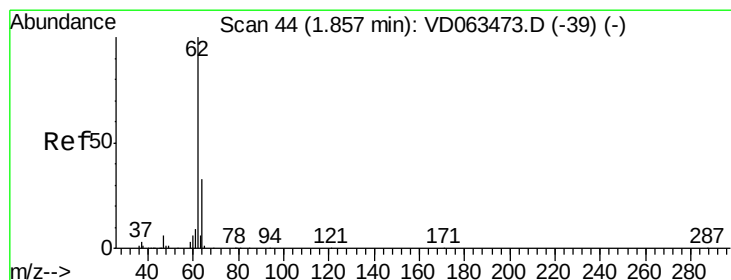
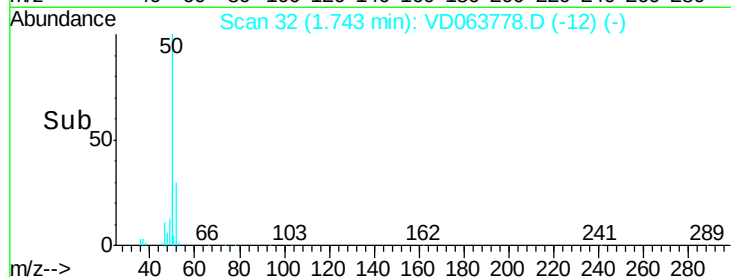
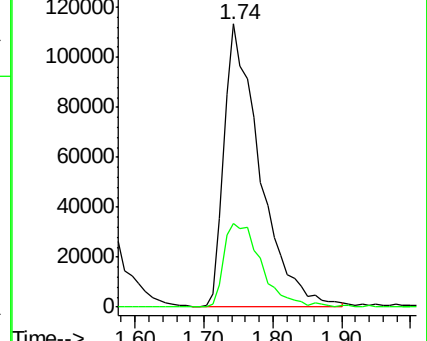
50 100

52 29.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.411 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063778.D

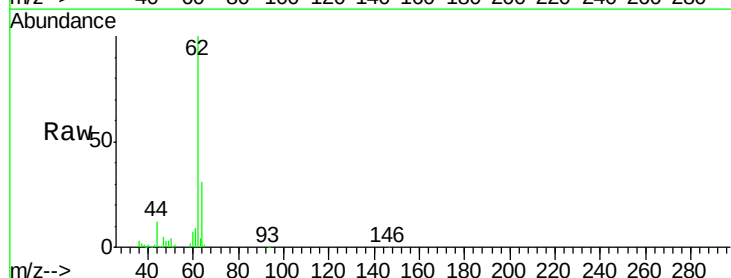
Acq: 23 Aug 2019 20:38

Tgt Ion: 62 Resp: 387355

Ion Ratio Lower Upper

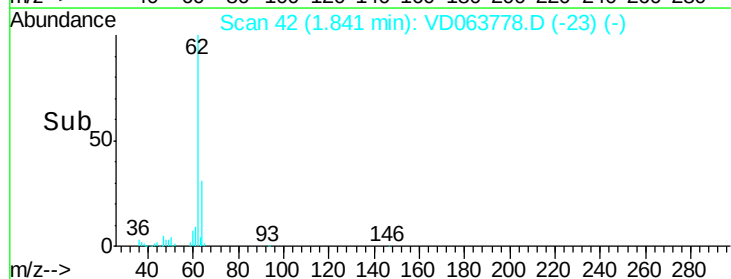
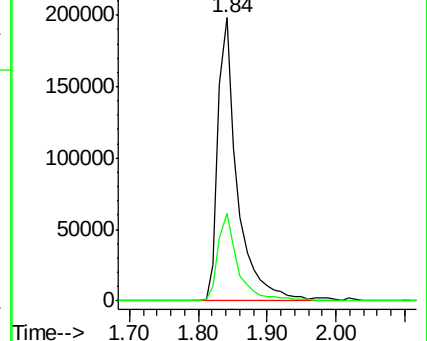
62 100

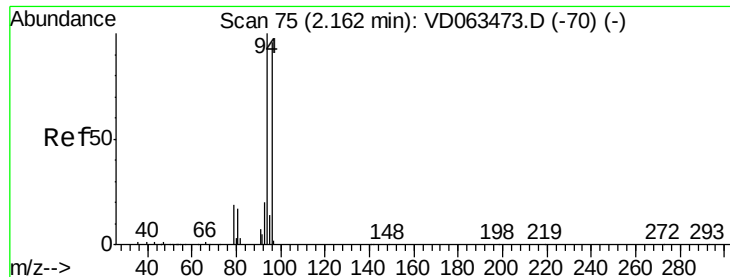
64 30.8 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.998 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

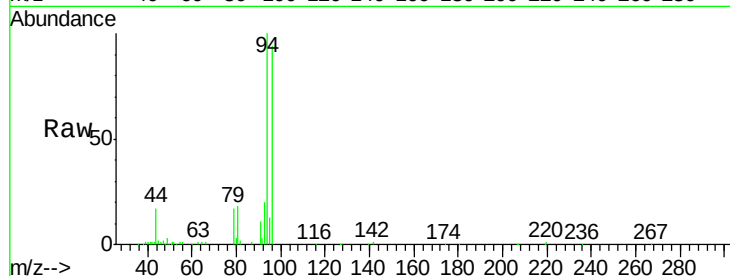
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 193187

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.5	114.7
93	19.7	15.8	23.8

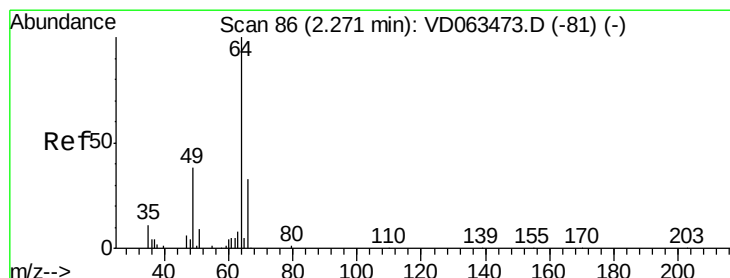
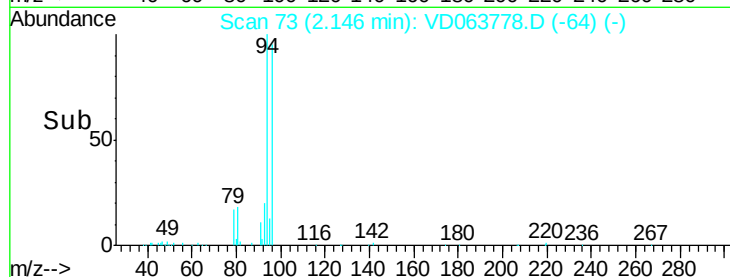
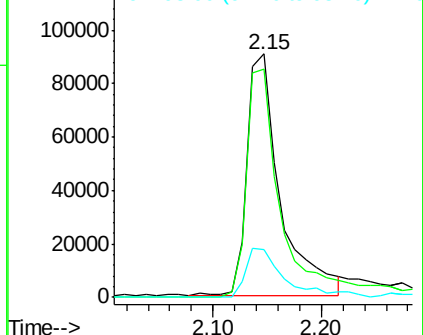


Abundance

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: 58.956 ug/l

RT: 2.25 min Scan# 84

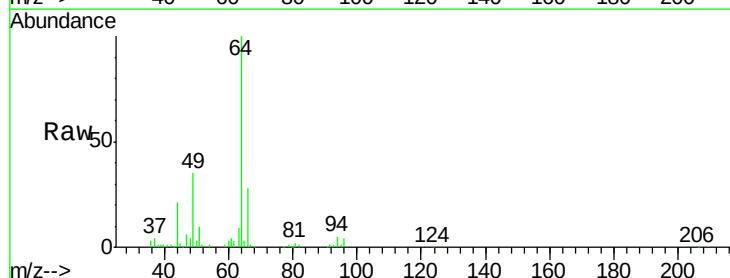
Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Tgt Ion: 64 Resp: 229971

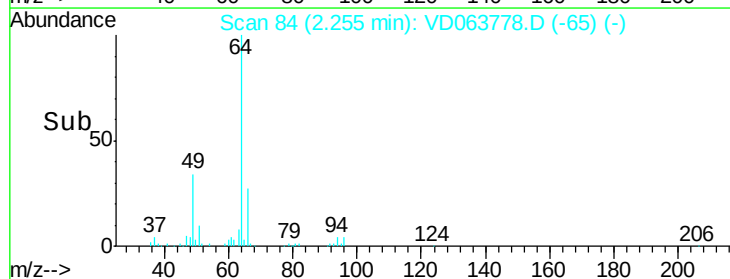
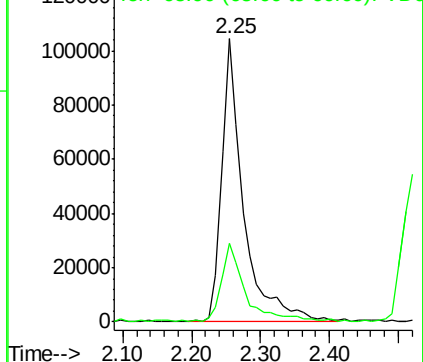
Ion	Ratio	Lower	Upper
64	100		
66	27.7	26.3	39.5

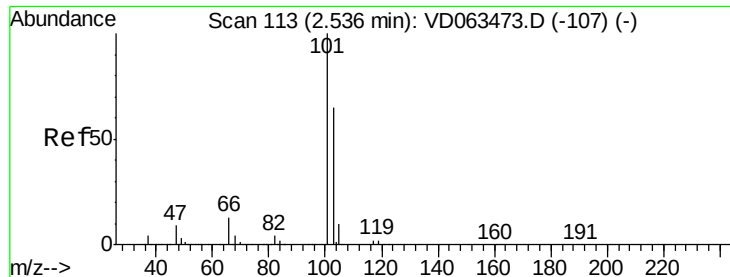


Abundance

Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



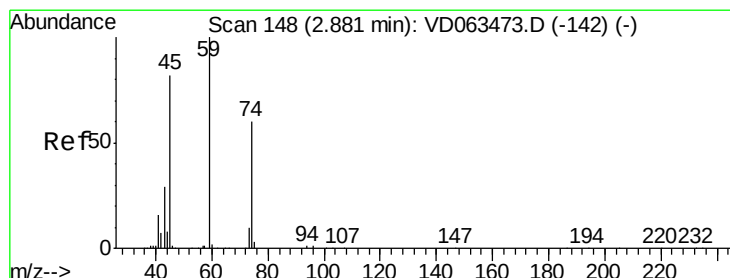
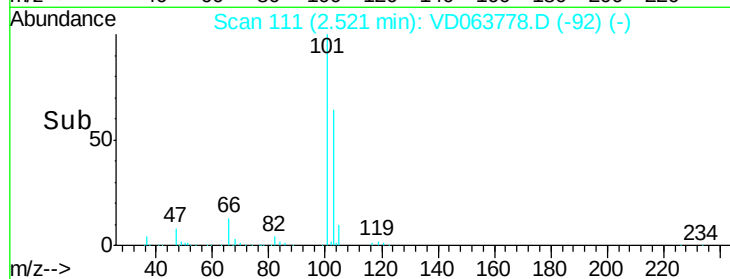
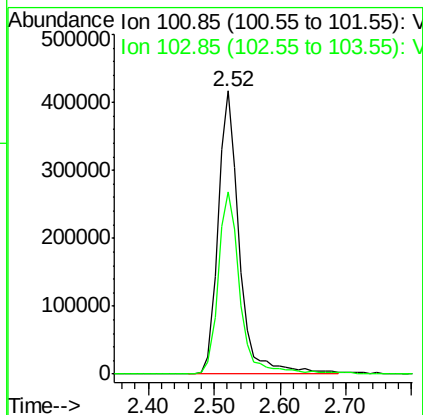
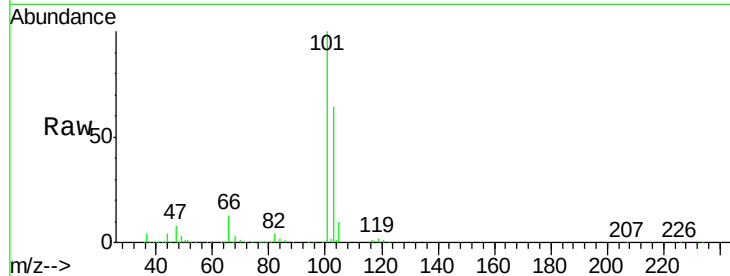


#7

Trichlorofluoromethane
 Concen: 55.884 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

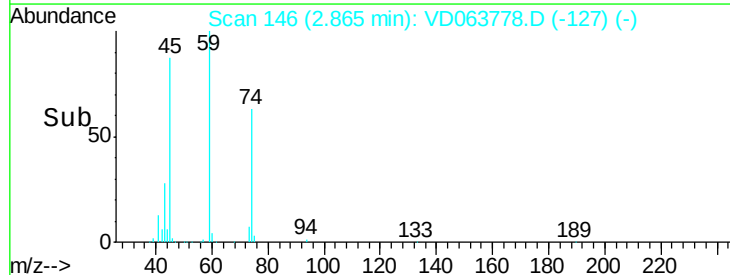
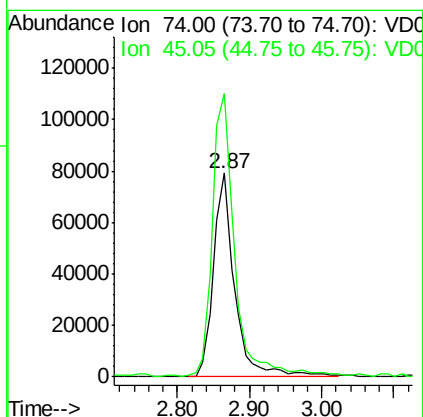
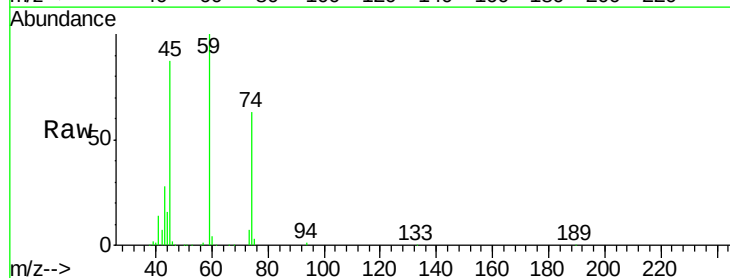
Tot Ion:101 Resp: 935033
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.2 78.4

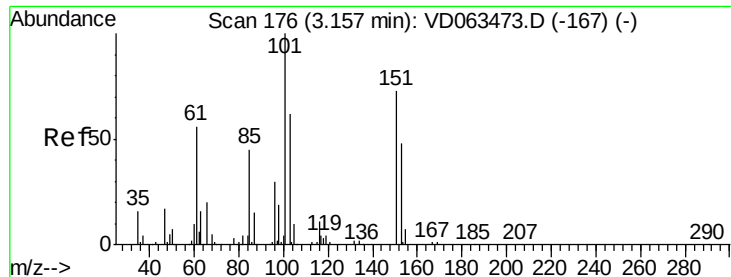


#8

Diethyl Ether
 Concen: 67.770 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 74 Resp: 160095
 Ion Ratio Lower Upper
 74 100
 45 139.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.148 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

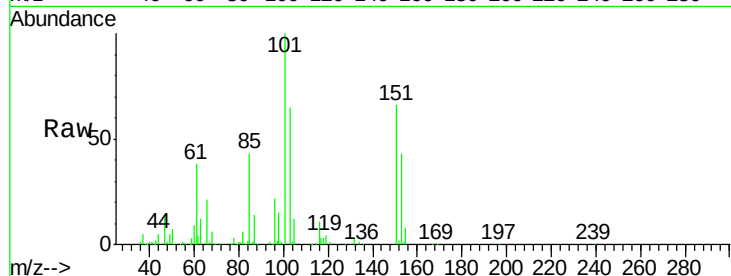
Tot Ion:101 Resp: 505329

Ion Ratio Lower Upper

101 100

85 42.5 35.8 53.6

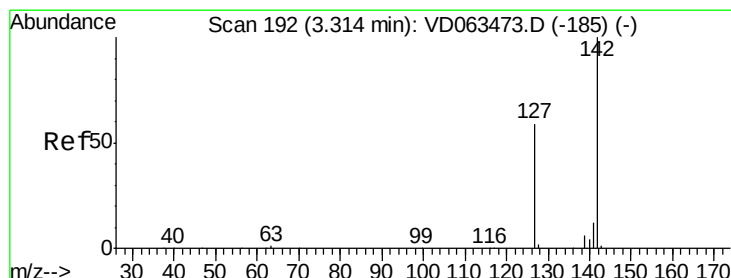
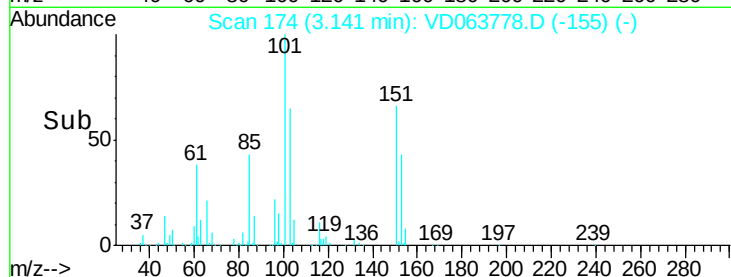
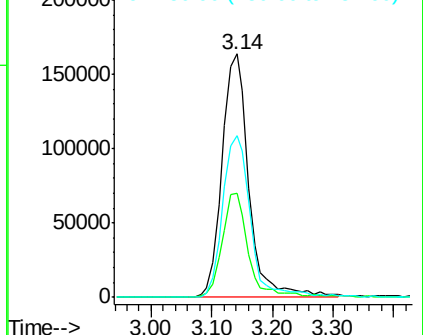
151 66.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.434 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

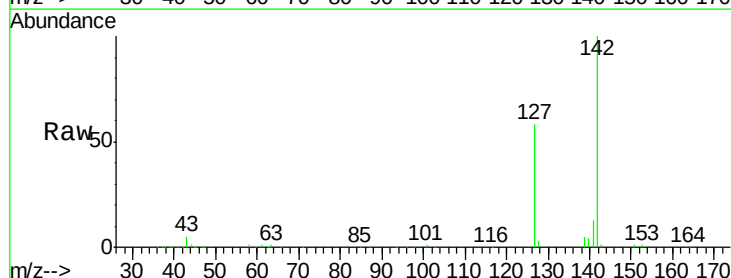
Tgt Ion:142 Resp: 663080

Ion Ratio Lower Upper

142 100

127 57.9 47.2 70.8

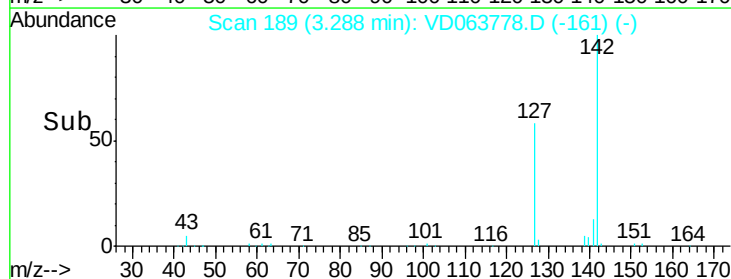
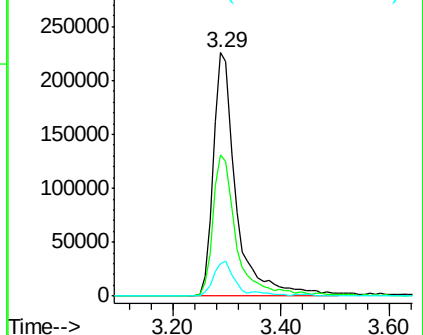
141 13.5 9.8 14.8

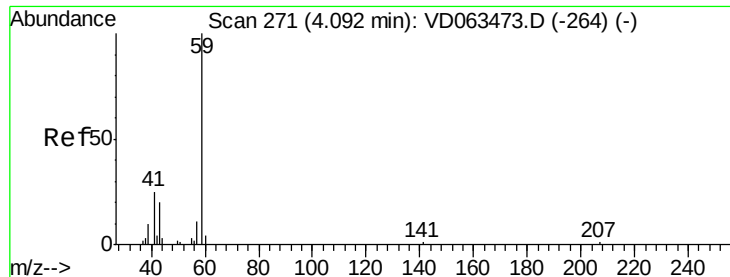


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



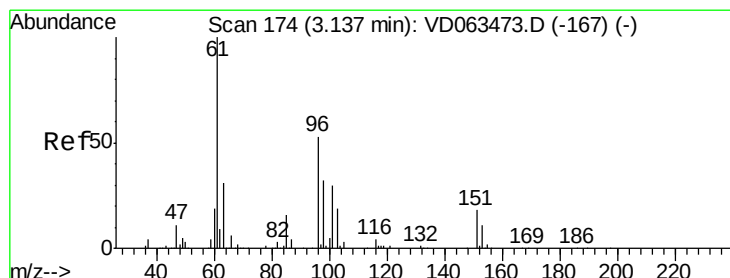
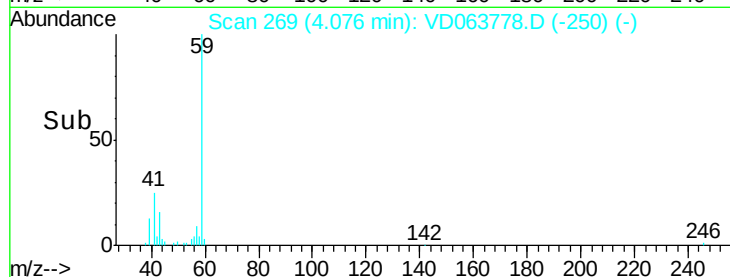
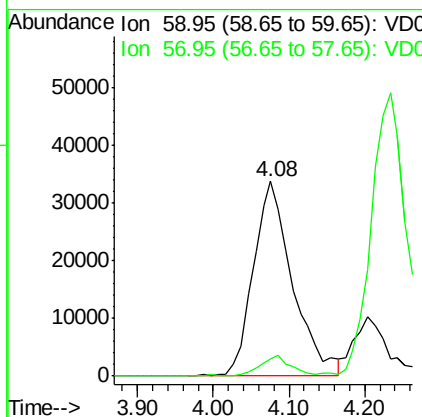
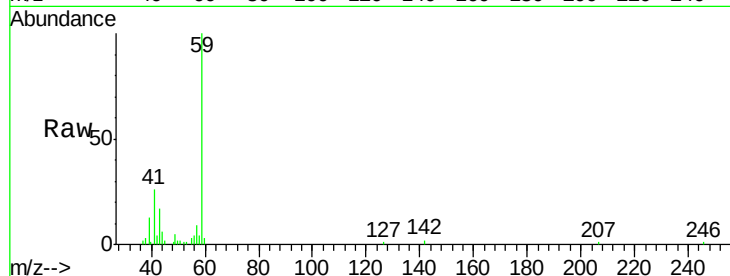


#11

Tert butyl alcohol
 Concen: 288.993 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

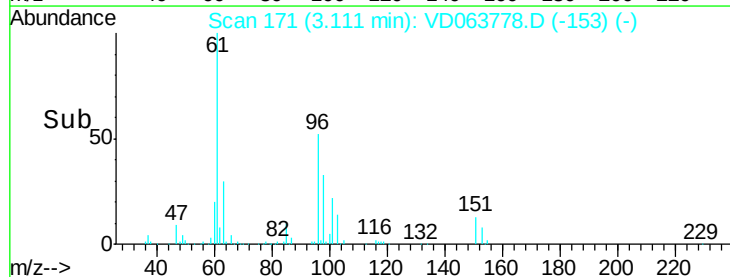
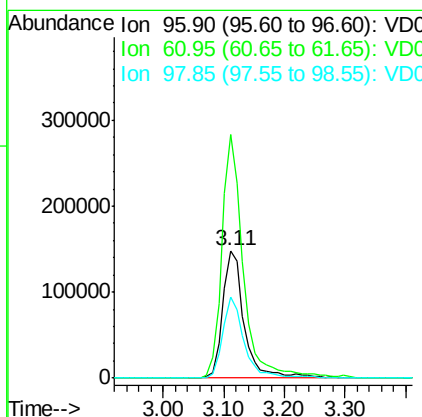
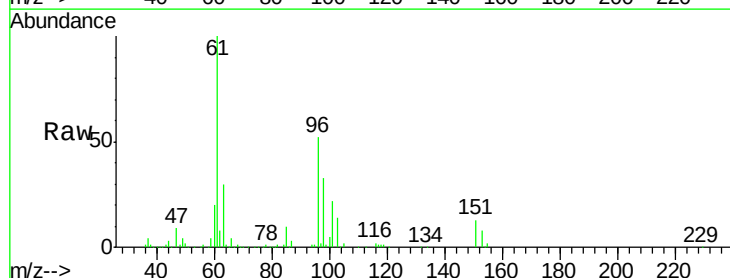
Tot Ion: 59 Resp: 122243
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.7 13.1

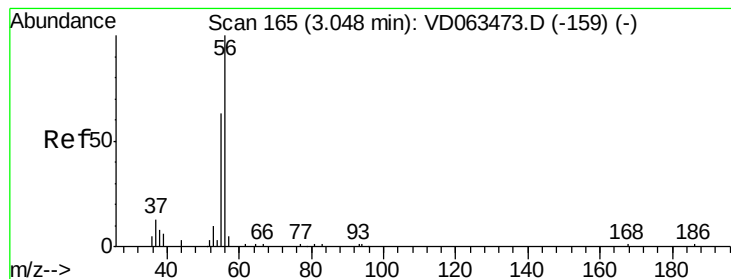


#12

1,1-Dichloroethene
 Concen: 49.383 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.03 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 96 Resp: 362738
 Ion Ratio Lower Upper
 96 100
 61 190.9 151.7 227.5
 98 63.6 48.4 72.6





#13

Acrolein

Concen: 278.135 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

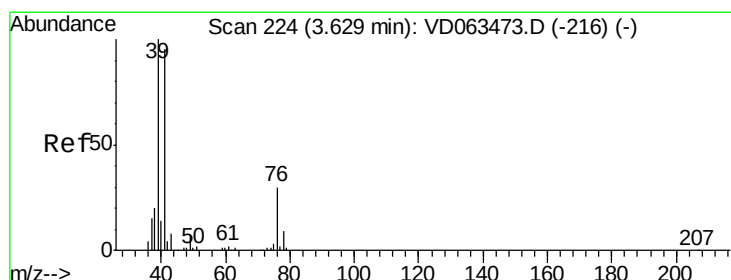
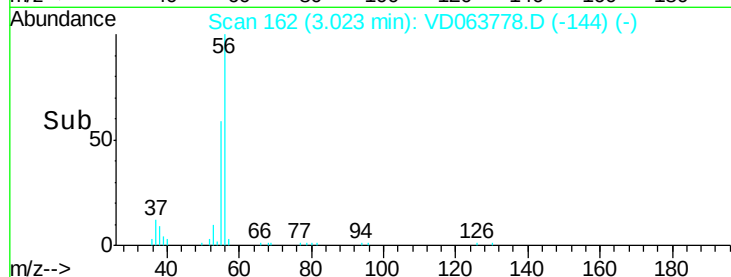
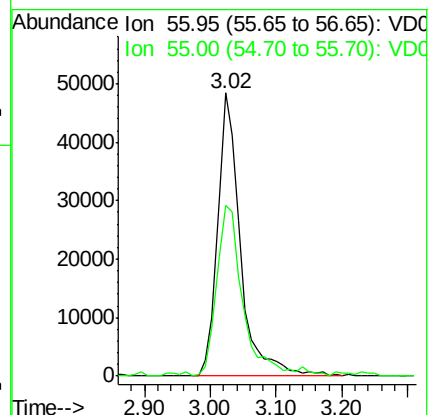
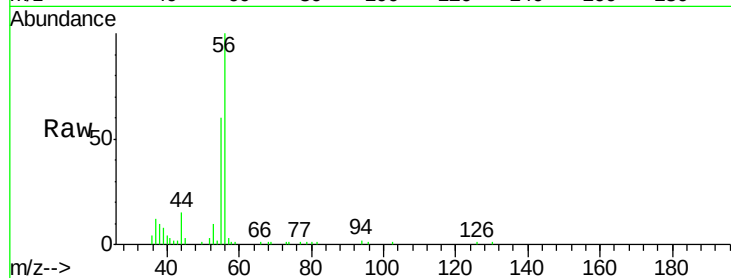
VSTDCCC050EC

Tot Ion: 56 Resp: 115805

Ion Ratio Lower Upper

56 100

55 60.1 51.3 76.9



#14

Allyl chloride

Concen: 50.785 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

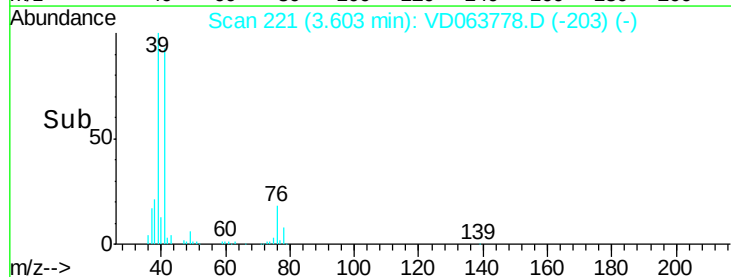
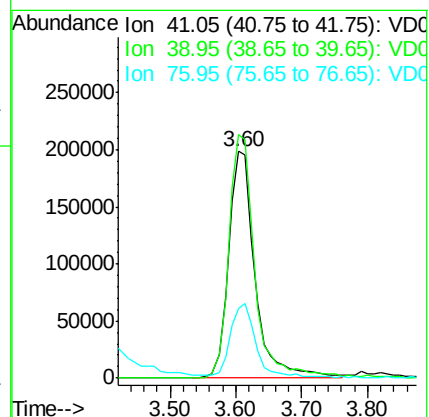
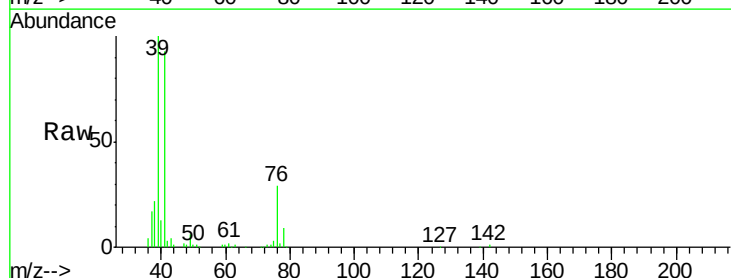
Tgt Ion: 41 Resp: 560780

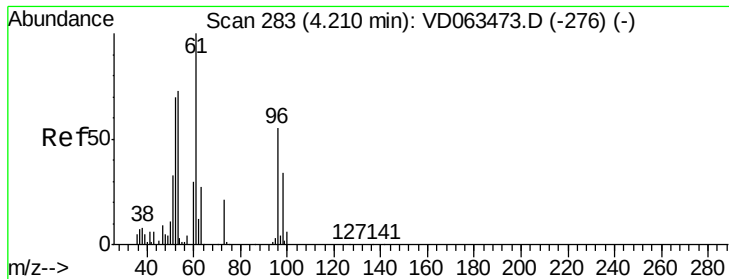
Ion Ratio Lower Upper

41 100

39 107.4 84.2 126.4

76 30.7 26.0 39.0





#15

Acrylonitrile

Concen: 300.689 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

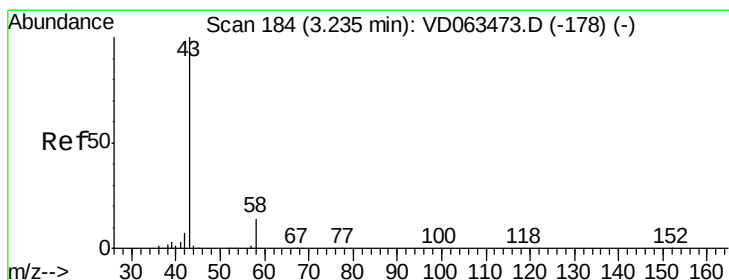
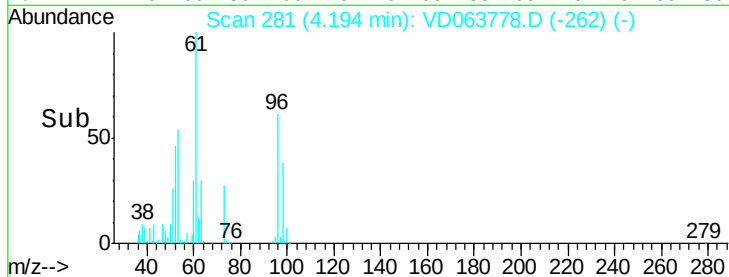
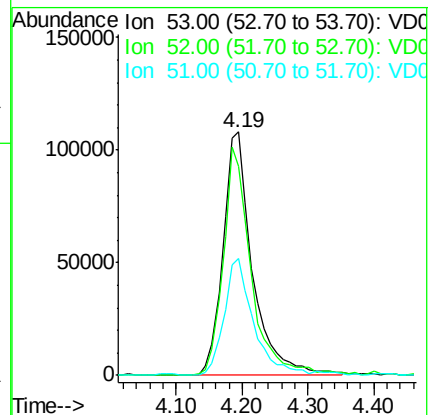
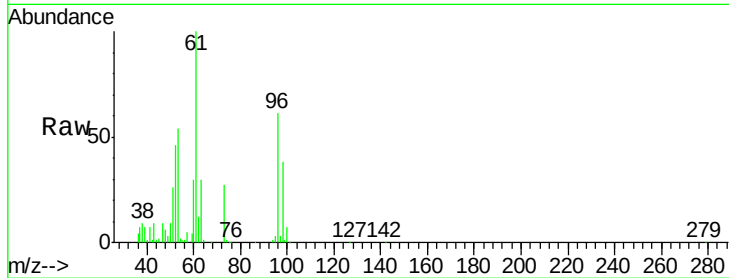
Tot Ion: 53 Resp: 336897

Ion Ratio Lower Upper

53 100

52 86.1 77.4 116.0

51 48.0 36.7 55.1



#16

Acetone

Concen: 261.226 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063778.D

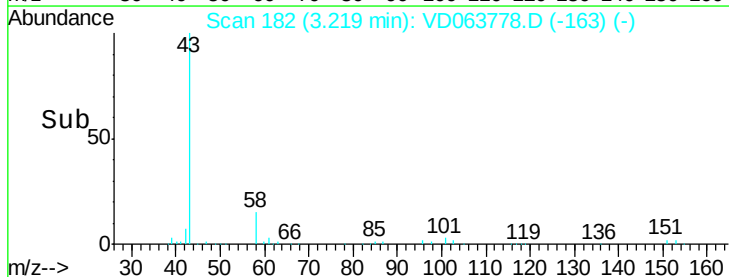
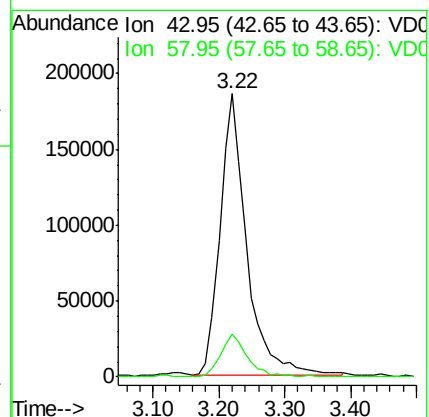
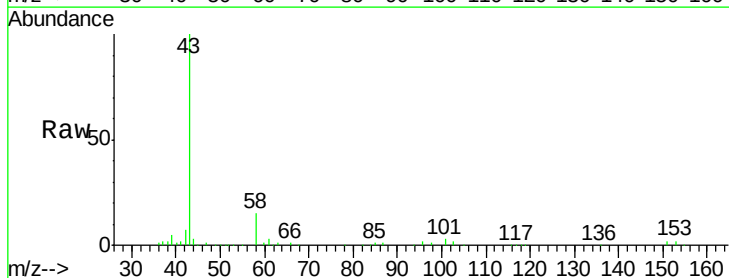
Acq: 23 Aug 2019 20:38

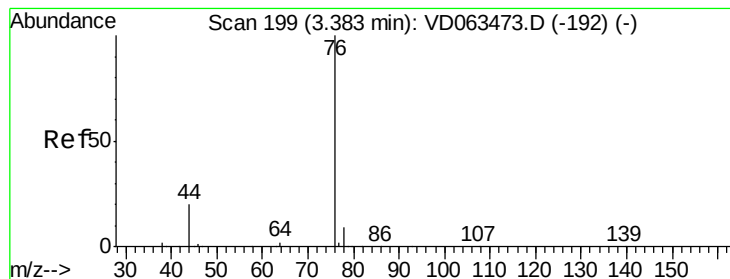
Tgt Ion: 43 Resp: 515988

Ion Ratio Lower Upper

43 100

58 15.2 11.4 17.2





#17

Carbon Disulfide

Concen: 41.997 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

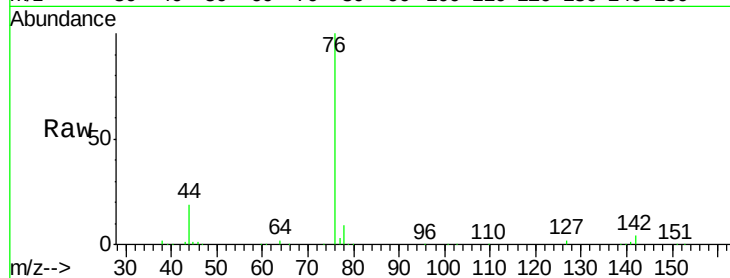
VSTDCCC050EC

Tot Ion: 76 Resp: 973593

Ion Ratio Lower Upper

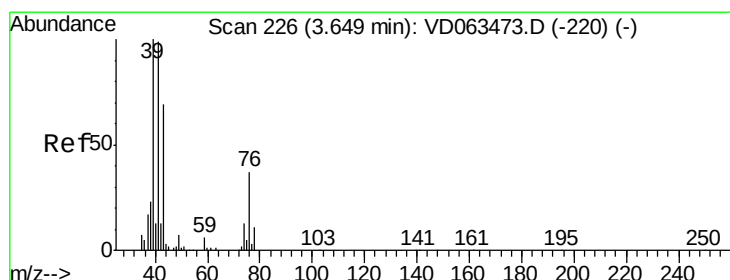
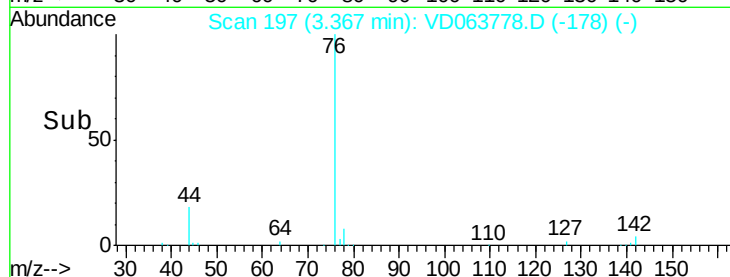
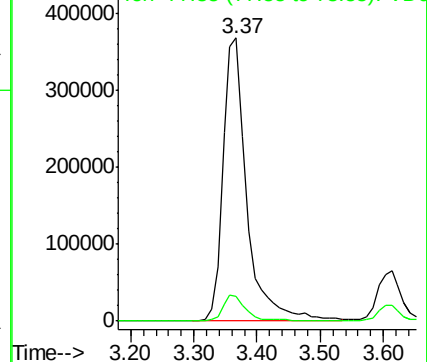
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 60.966 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063778.D

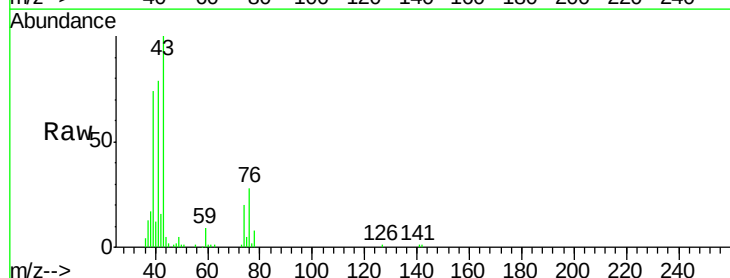
Acq: 23 Aug 2019 20:38

Tgt Ion: 43 Resp: 228100

Ion Ratio Lower Upper

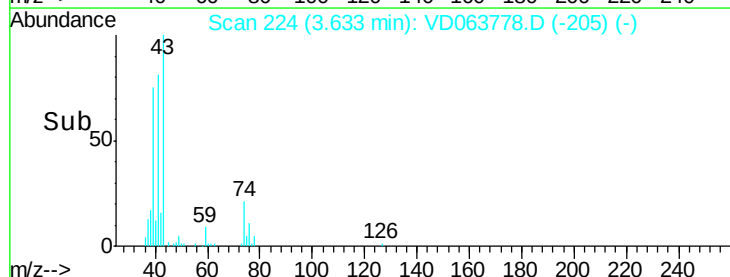
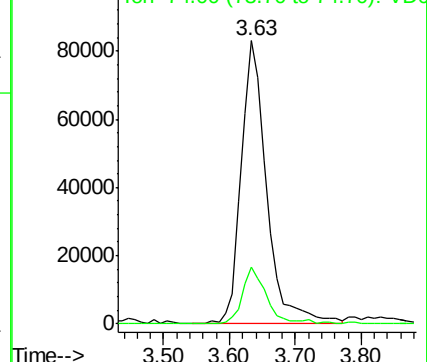
43 100

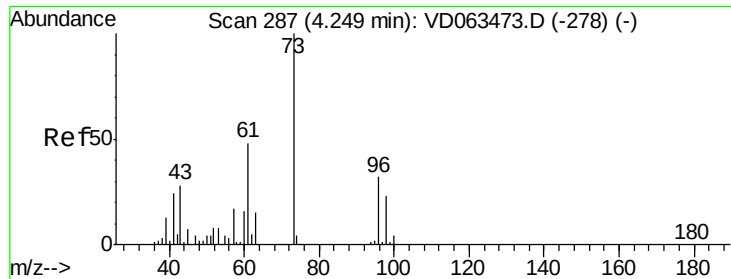
74 20.1 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

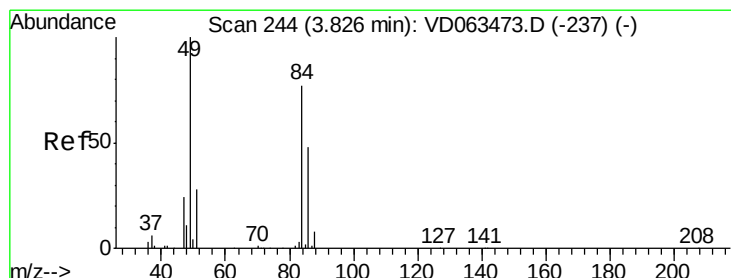
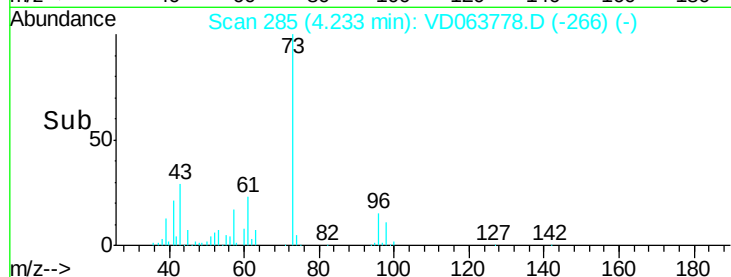
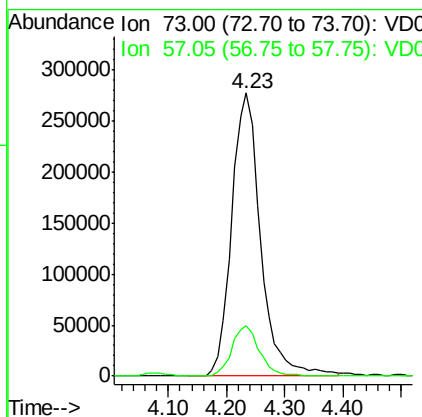
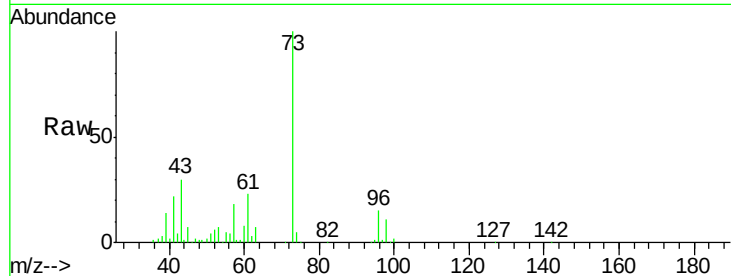




#19
Methyl tert-butyl Ether
Concen: 65.248 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

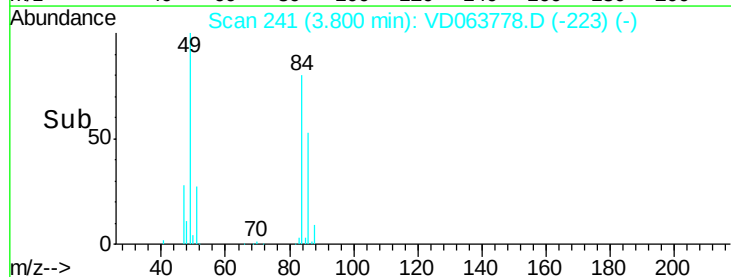
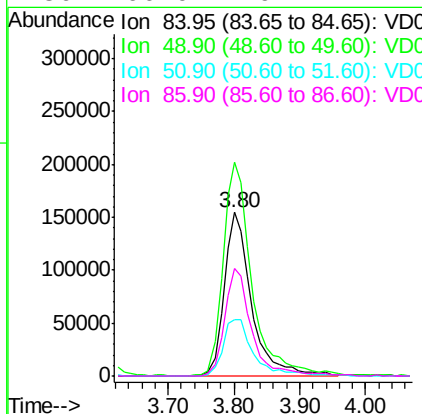
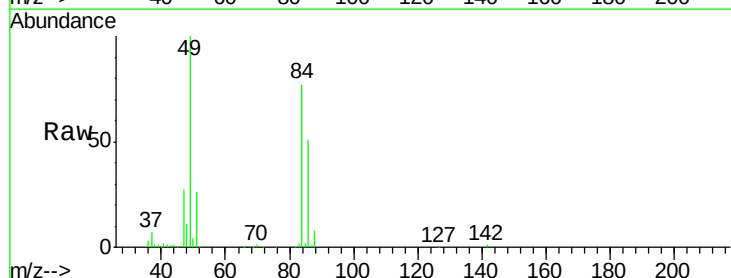
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

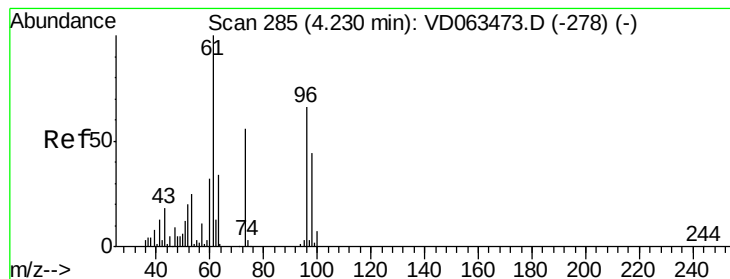
Tot Ion: 73 Resp: 958486
Ion Ratio Lower Upper
73 100
57 17.7 14.0 21.0



#20
Methylene Chloride
Concen: 52.510 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 84 Resp: 448501
Ion Ratio Lower Upper
84 100
49 130.5 103.4 155.2
51 34.4 28.5 42.7
86 66.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.392 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

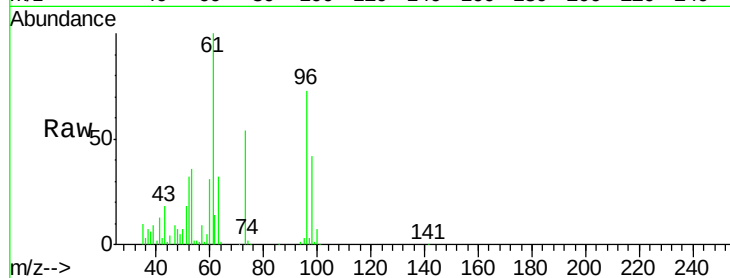
Tot Ion: 96 Resp: 420436

Ion Ratio Lower Upper

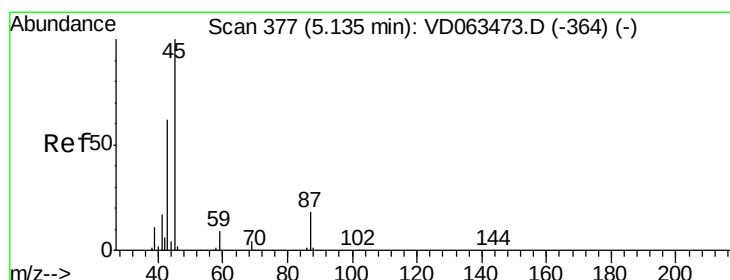
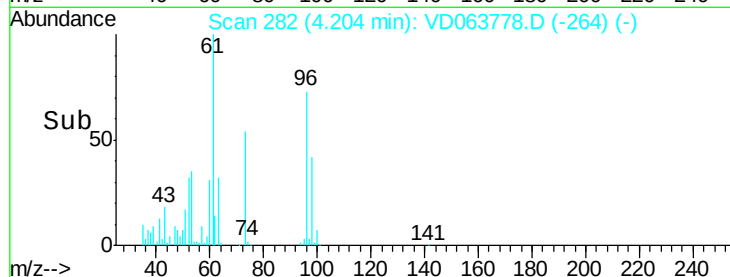
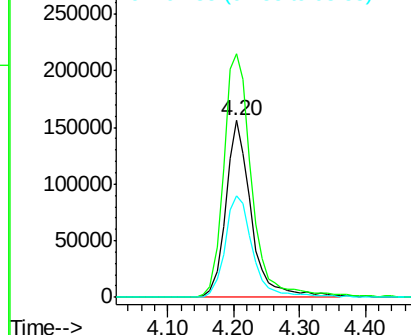
96 100

61 137.8 121.7 182.5

98 57.3 54.2 81.2



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



#22

Diisopropyl ether

Concen: 57.666 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Tgt Ion: 45 Resp: 1313985

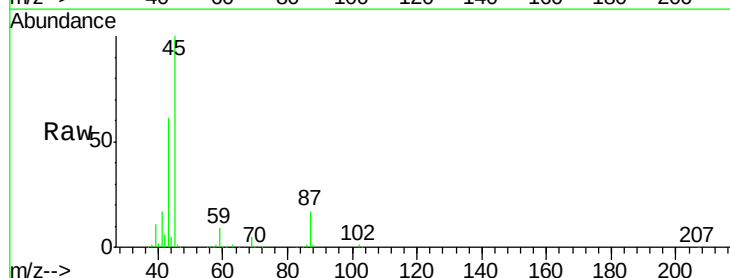
Ion Ratio Lower Upper

45 100

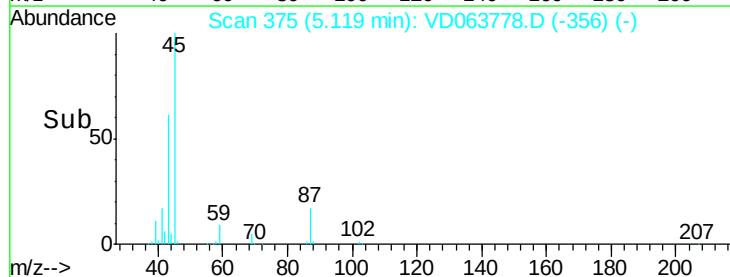
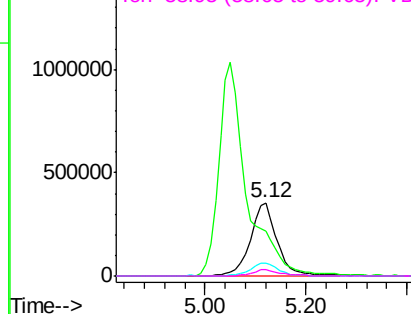
43 61.1 50.3 75.5

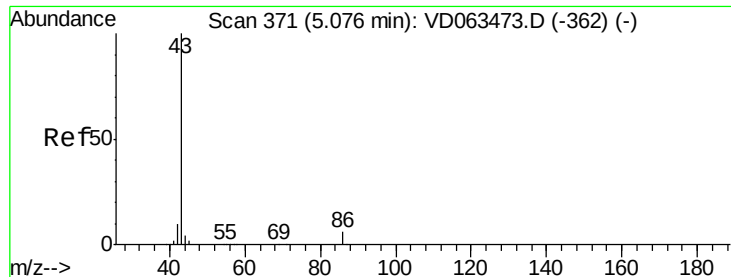
87 17.4 14.3 21.5

59 9.1 7.7 11.5



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





#23

Vinyl Acetate

Concen: 300.305 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

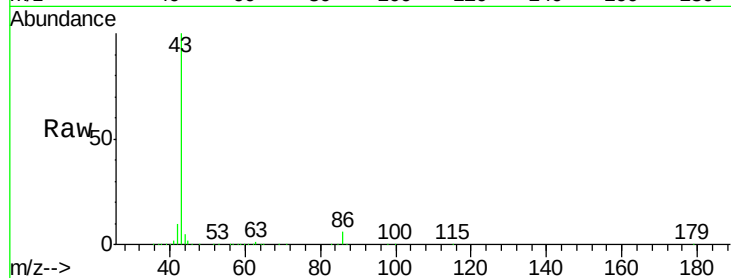
VSTDCCC050EC

Tot Ion: 43 Resp: 3978075

Ion Ratio Lower Upper

43 100

86 6.2 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

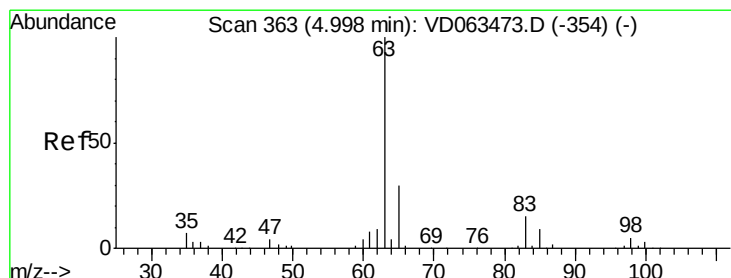
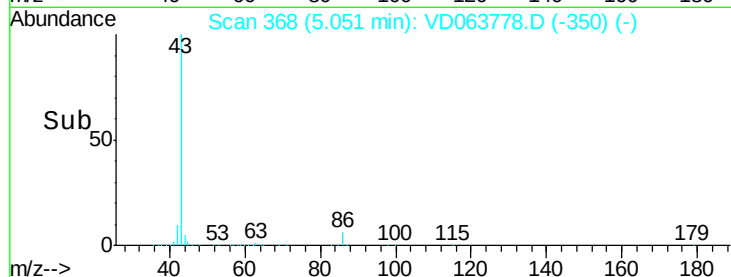
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 57.228 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

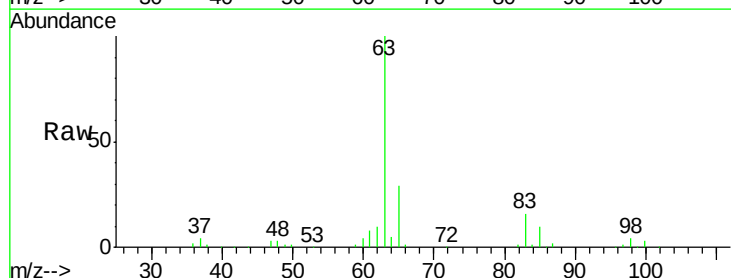
Tgt Ion: 63 Resp: 808779

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.2

100 3.0 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

250000

200000

150000

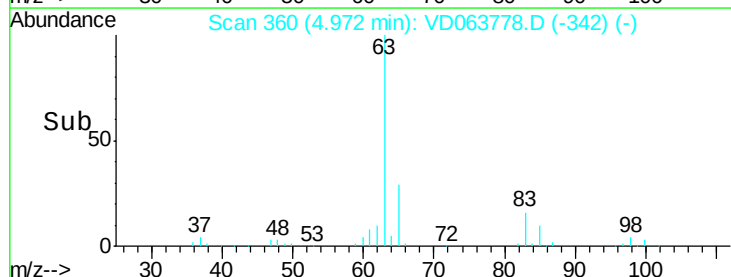
100000

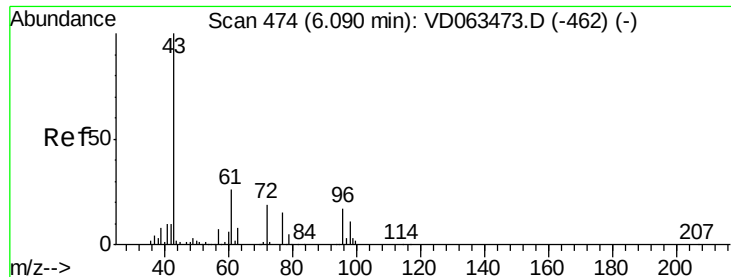
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 292.844 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

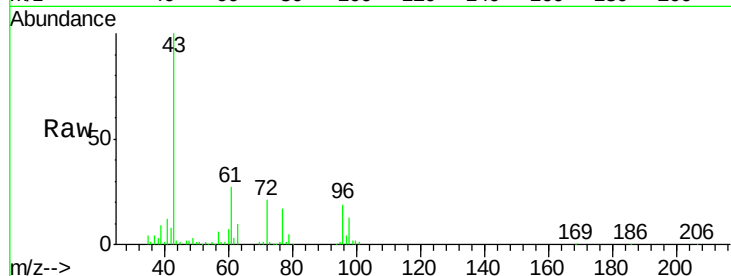
VSTDCCC050EC

Tot Ion: 43 Resp: 571289

Ion Ratio Lower Upper

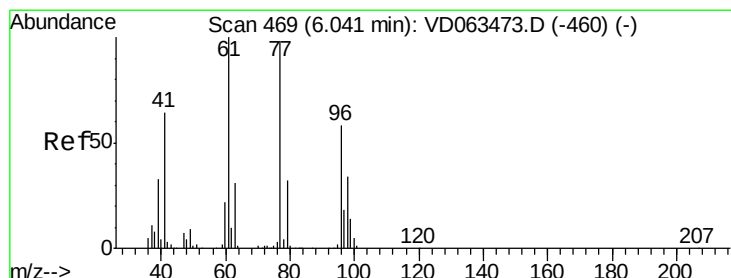
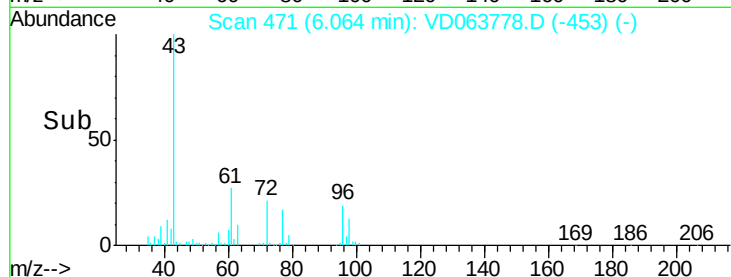
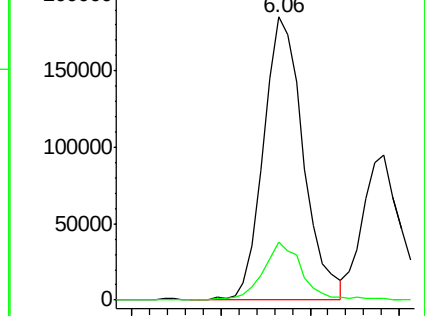
43 100

72 20.6 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.894 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063778.D

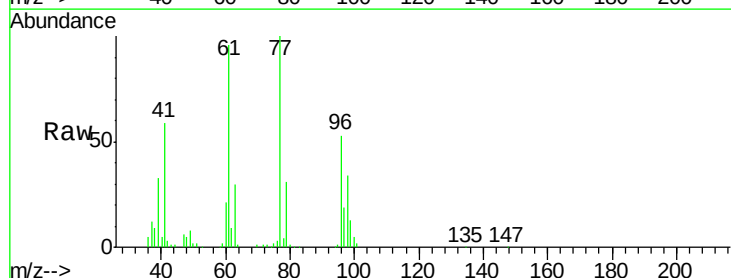
Acq: 23 Aug 2019 20:38

Tgt Ion: 77 Resp: 772715

Ion Ratio Lower Upper

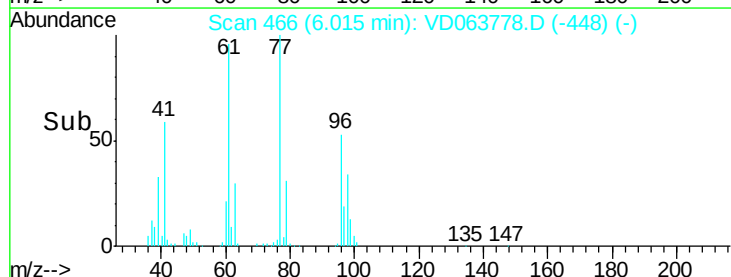
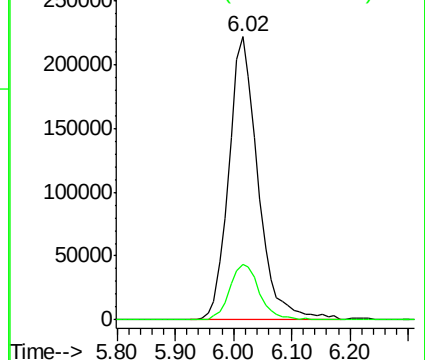
77 100

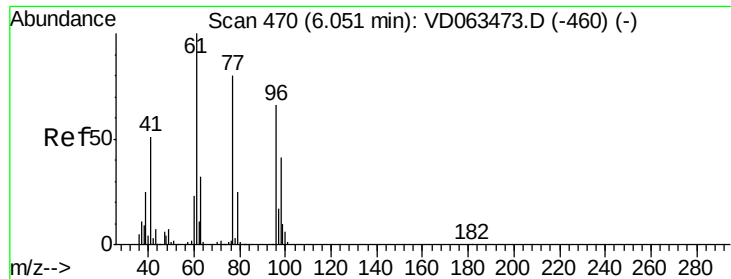
97 19.4 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



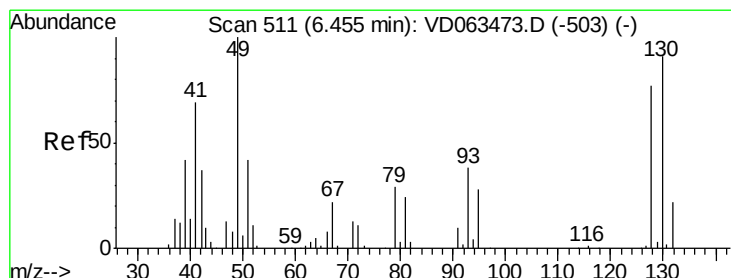
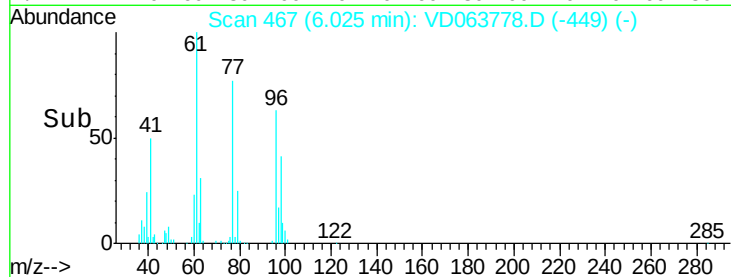
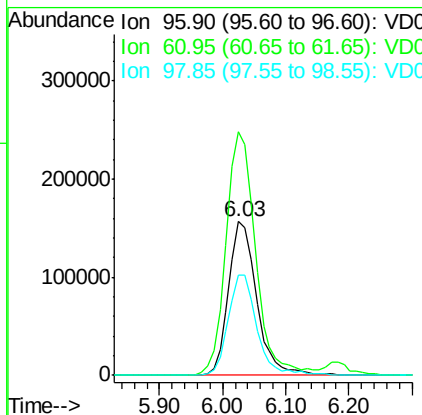
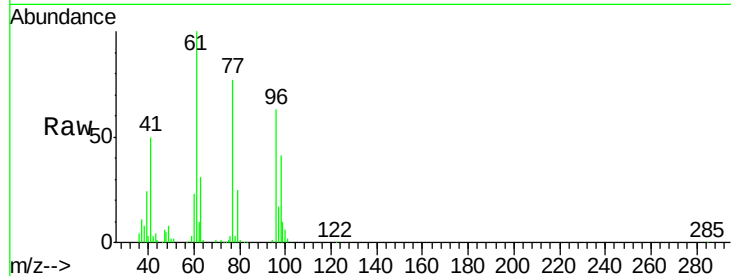


#27

cis-1,2-Dichloroethene
Concen: 57.368 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

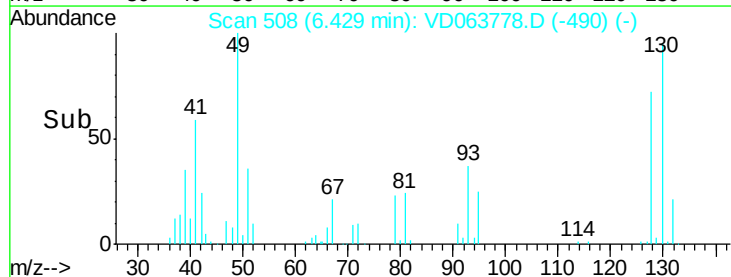
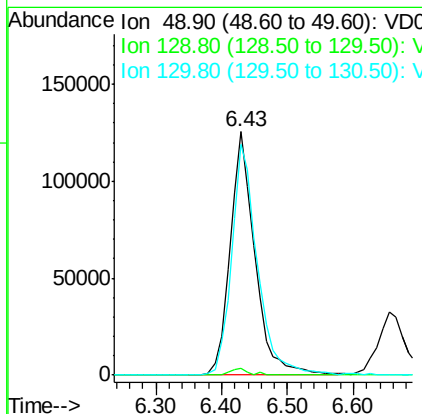
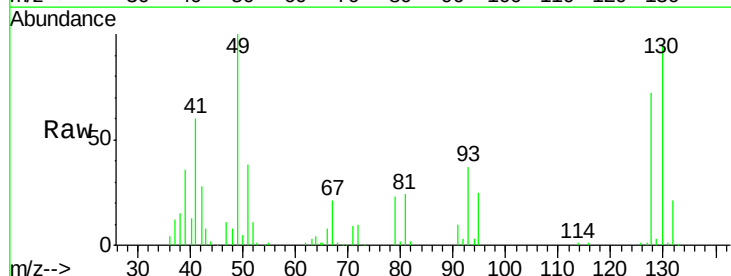
Tot Ion: 96 Resp: 485159
Ion Ratio Lower Upper
96 100
61 158.4 0.0 304.0
98 65.1 0.0 124.8

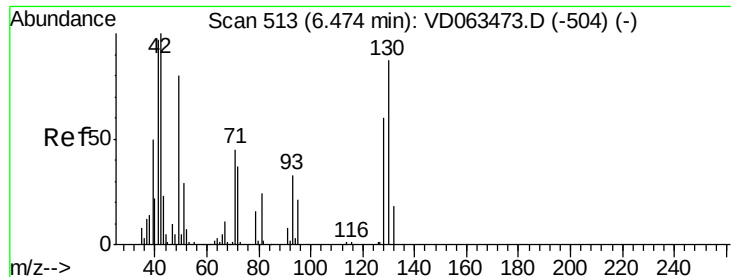


#28

Bromochloromethane
Concen: 57.931 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 49 Resp: 331813
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.4
130 94.8 72.4 108.6

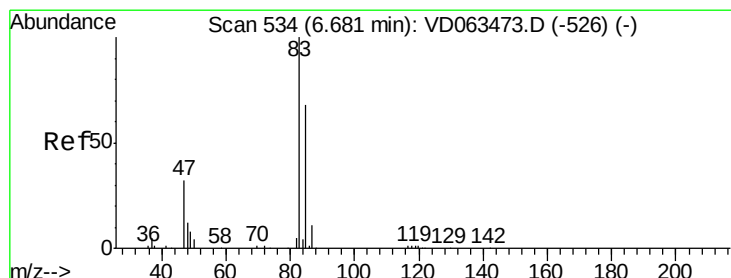
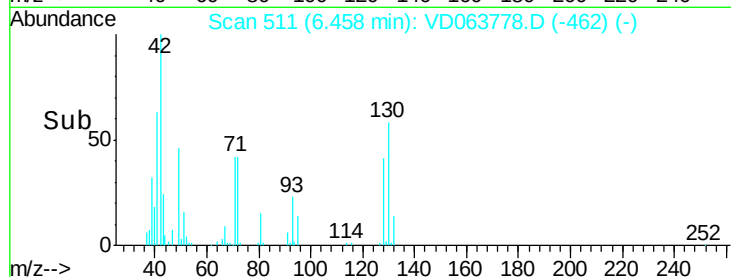
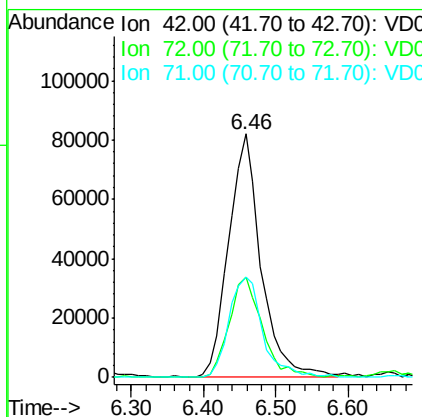
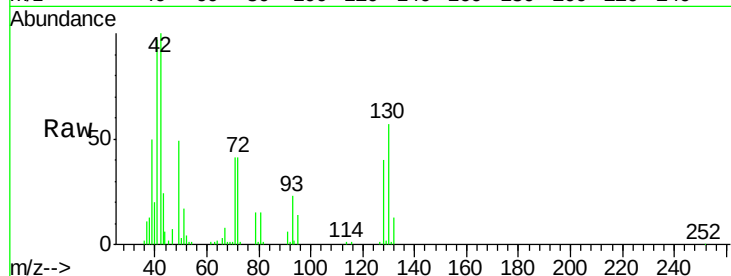




#29
Tetrahydrofuran
Concen: 282.591 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

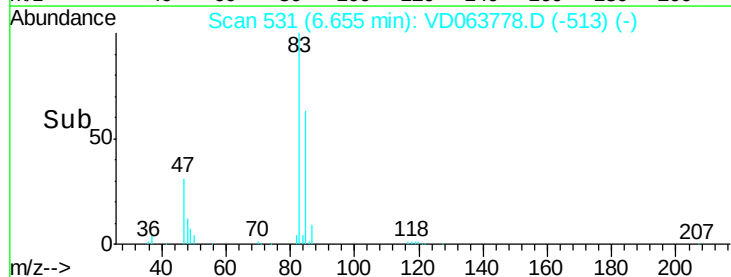
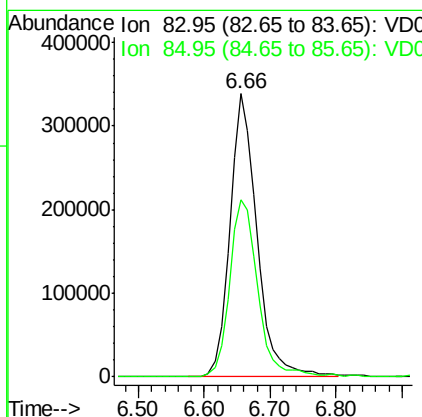
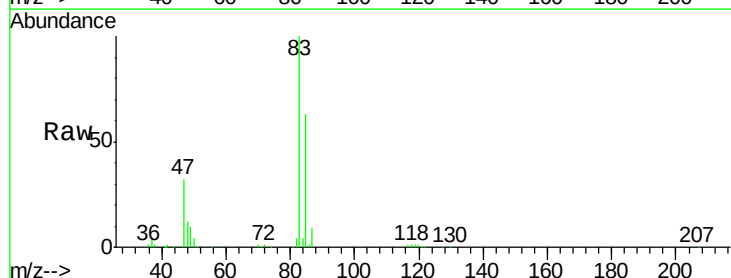
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

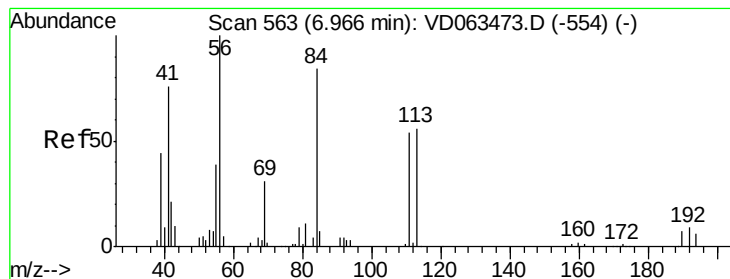
Tot Ion: 42 Resp: 256886
Ion Ratio Lower Upper
42 100
72 42.0 31.5 47.3
71 43.2 33.8 50.8



#30
Chloroform
Concen: 55.410 ug/l
RT: 6.66 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 83 Resp: 973367
Ion Ratio Lower Upper
83 100
85 62.7 54.8 82.2





#31

Cyclohexane

Concen: 47.808 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

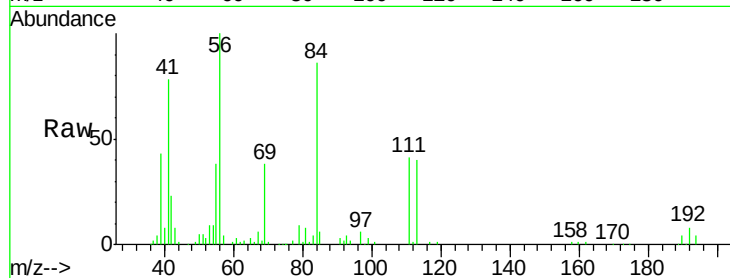
Tot Ion: 56 Resp: 419447

Ion Ratio Lower Upper

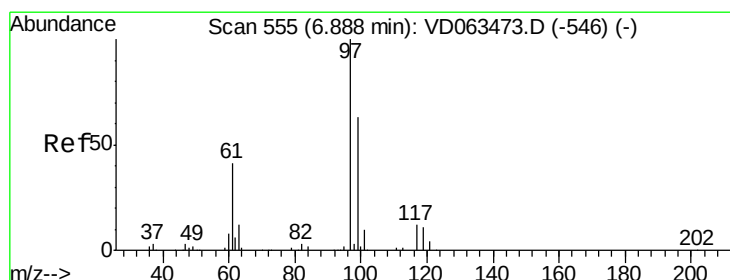
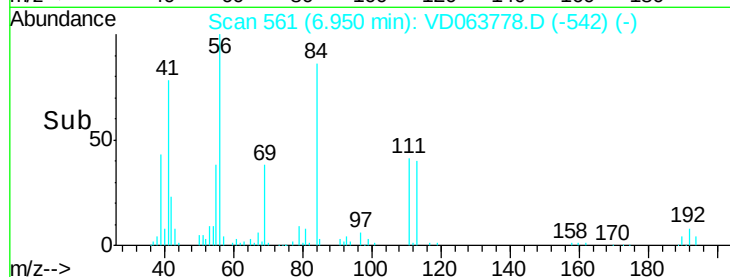
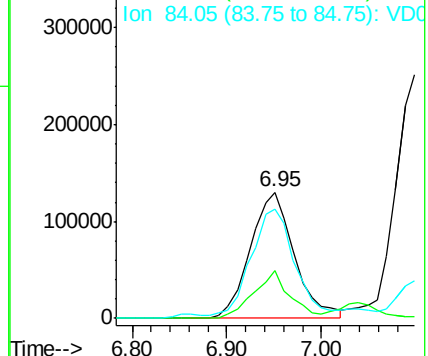
56 100

69 37.5 25.0 37.6

84 86.4 69.7 104.5



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: 57.037 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

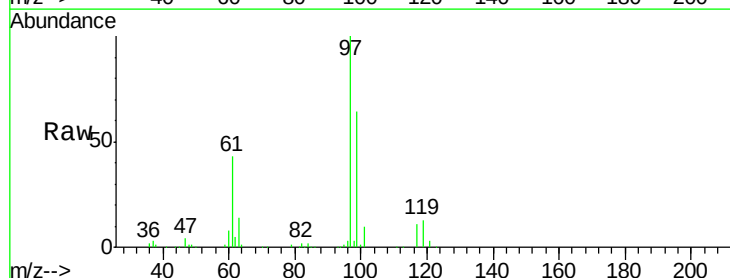
Tgt Ion: 97 Resp: 958445

Ion Ratio Lower Upper

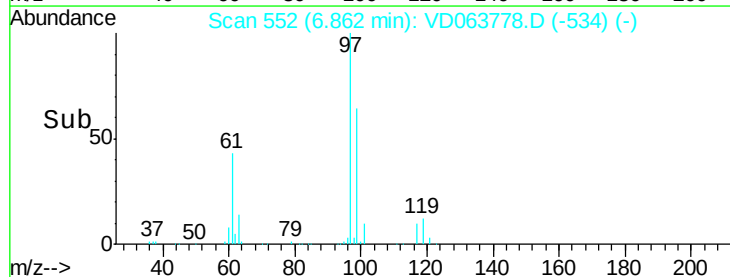
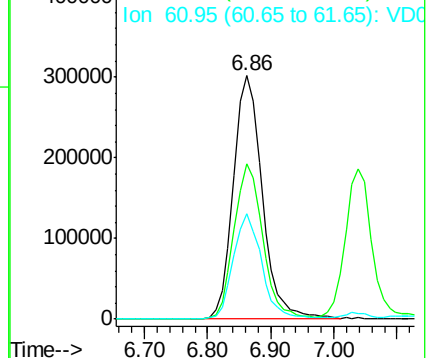
97 100

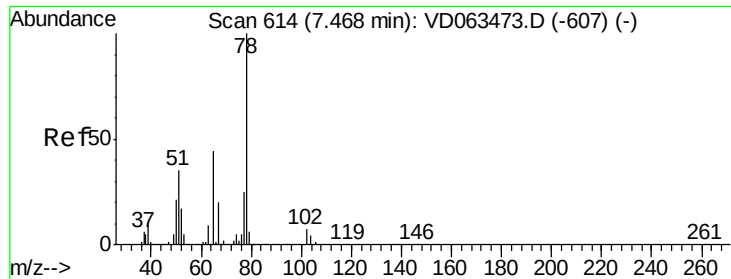
99 63.6 50.2 75.4

61 43.4 33.1 49.7



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

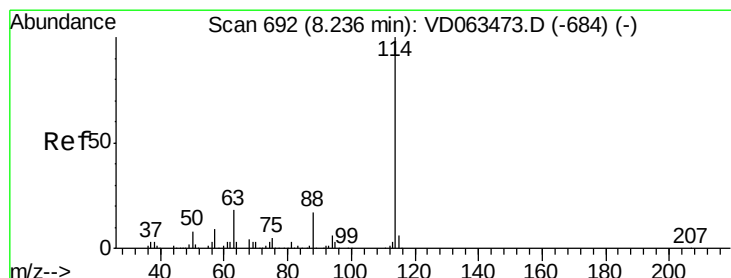
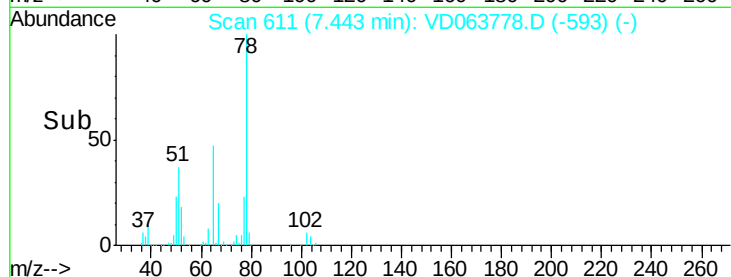
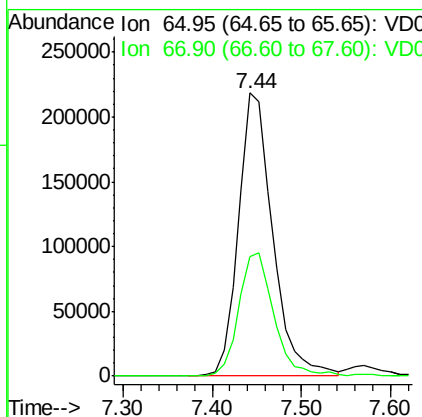
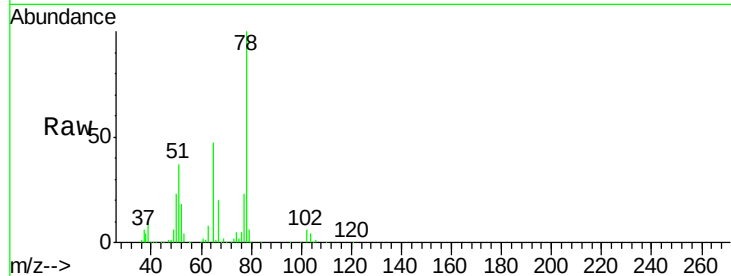




#33
 1,2-Dichloroethane-d4
 Concen: 59.932 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

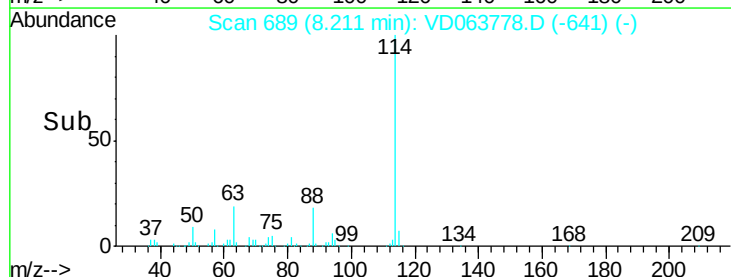
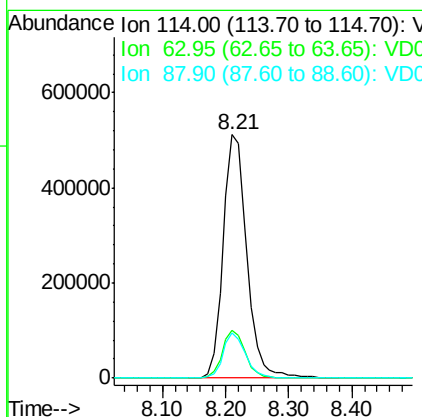
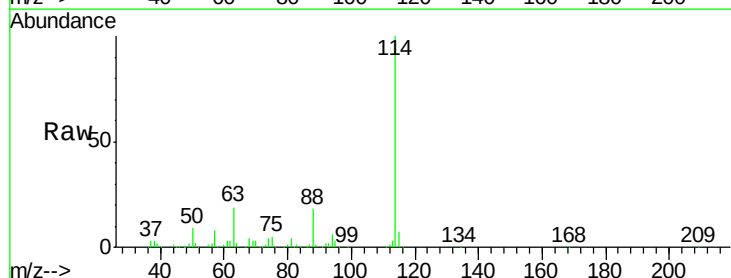
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

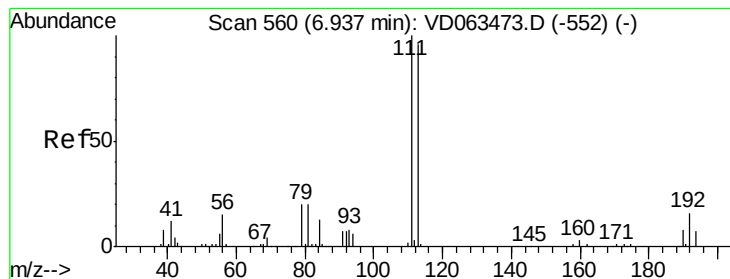
Tot Ion: 65 Resp: 582353
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 114 Resp: 1328915
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.2
 88 18.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 54.823 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

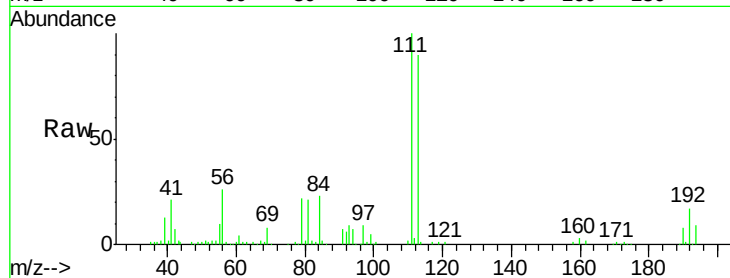
Tot Ion:113 Resp: 613595

Ion Ratio Lower Upper

113 100

111 110.7 83.1 124.7

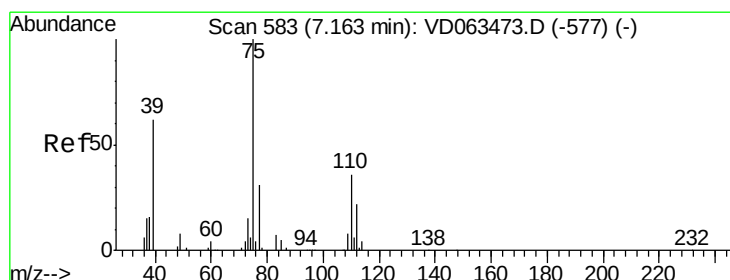
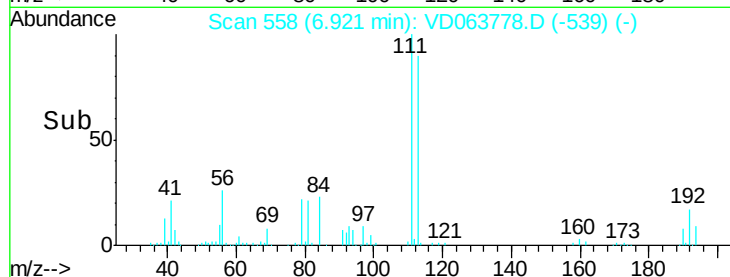
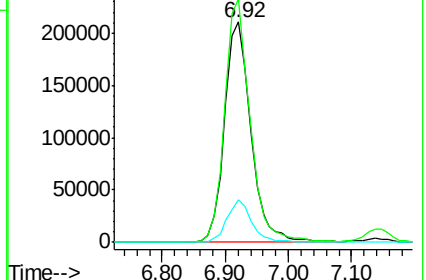
192 19.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.684 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

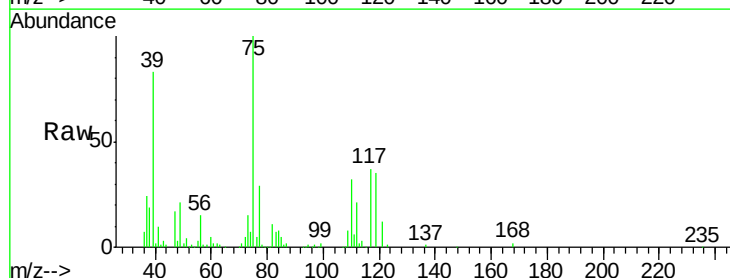
Tgt Ion: 75 Resp: 618925

Ion Ratio Lower Upper

75 100

110 31.7 17.6 52.8

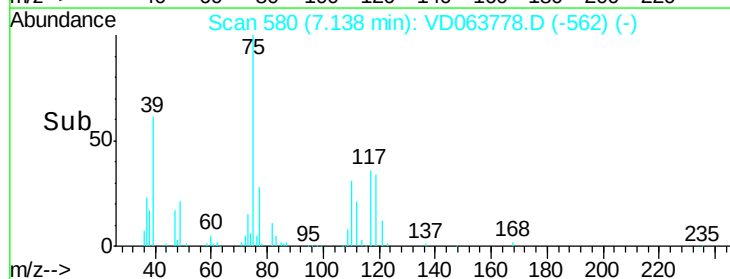
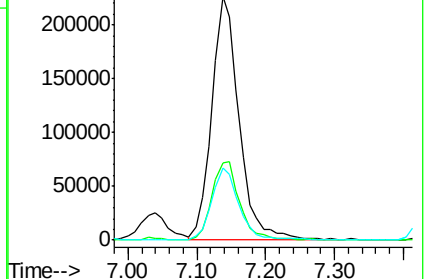
77 29.5 24.3 36.5

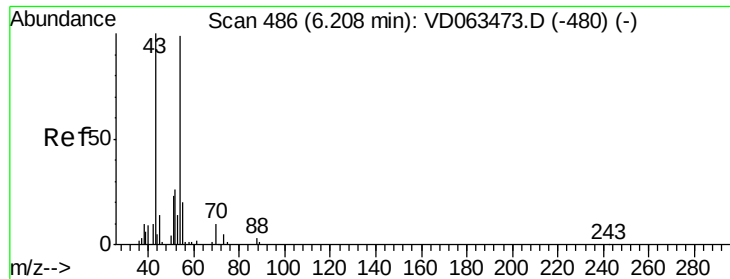


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

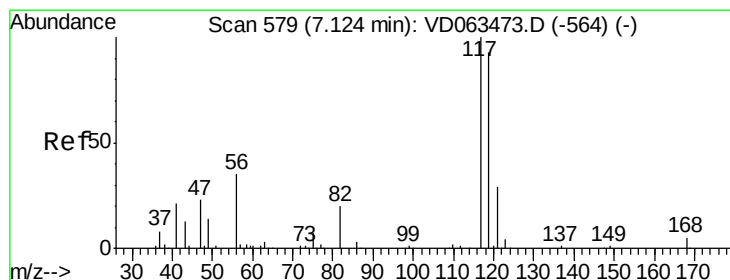
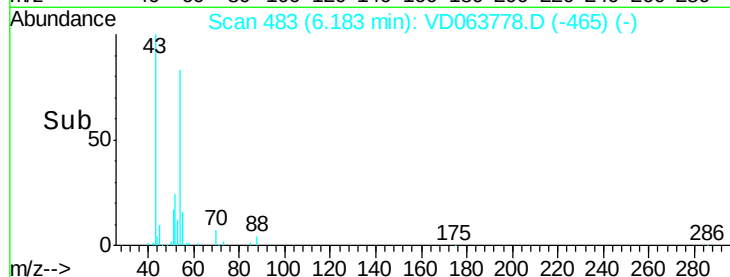
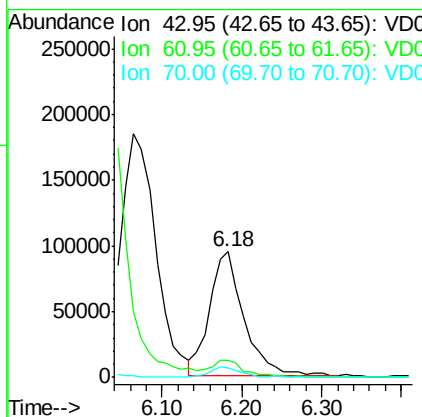
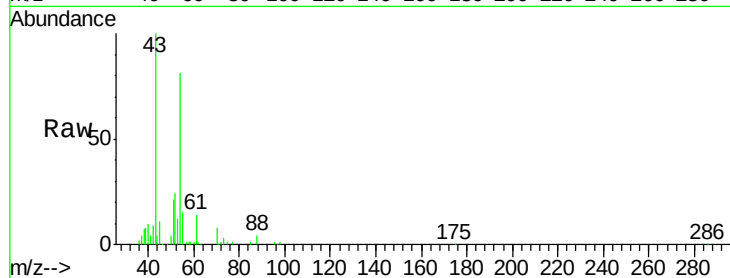




#37
Ethyl Acetate
Concen: 57.285 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

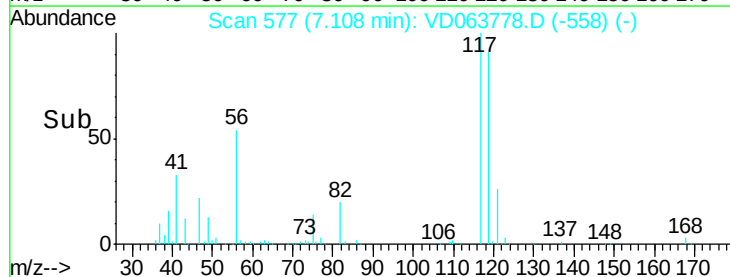
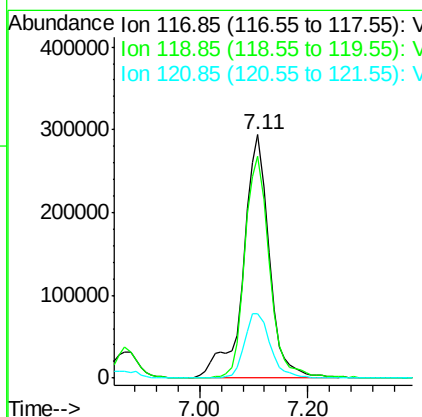
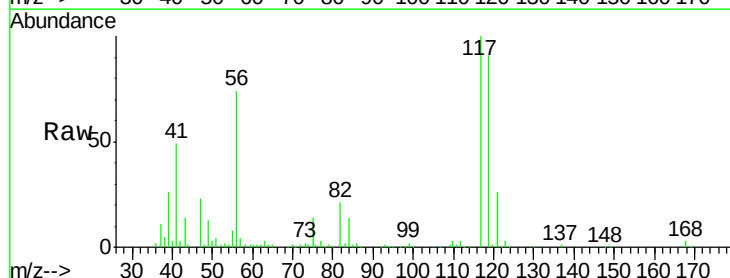
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

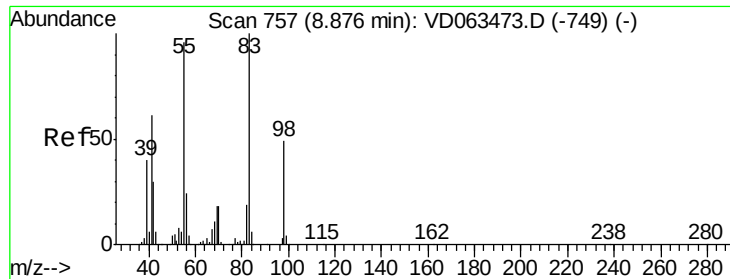
Tot Ion: 43 Resp: 281998
Ion Ratio Lower Upper
43 100
61 13.9 9.0 13.6#
70 7.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.023 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 117 Resp: 974204
Ion Ratio Lower Upper
117 100
119 91.1 74.2 111.2
121 26.5 23.1 34.7

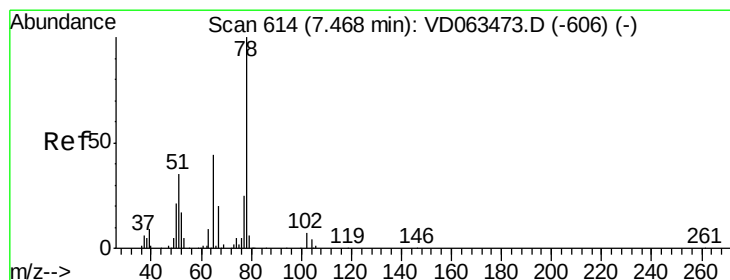
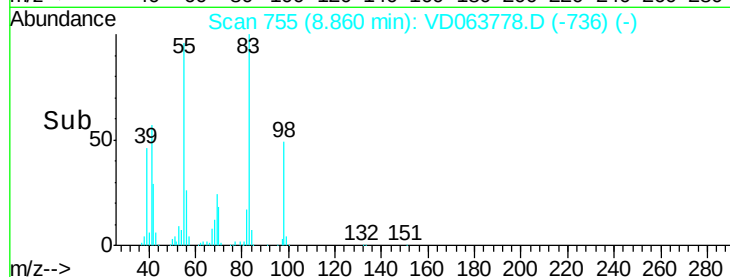
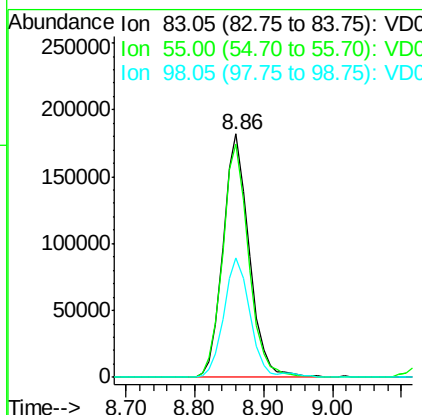
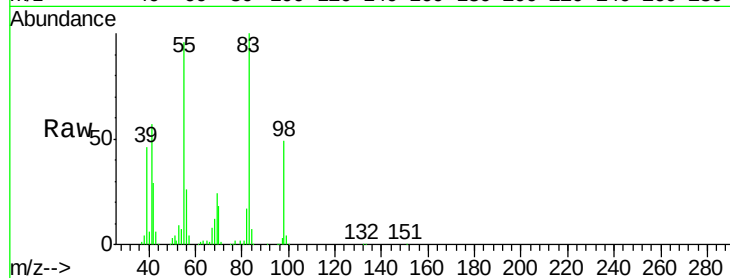




#39
Methylvlcyclohexane
Concen: 48.133 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

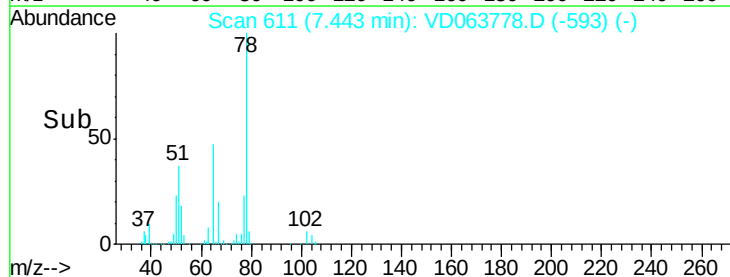
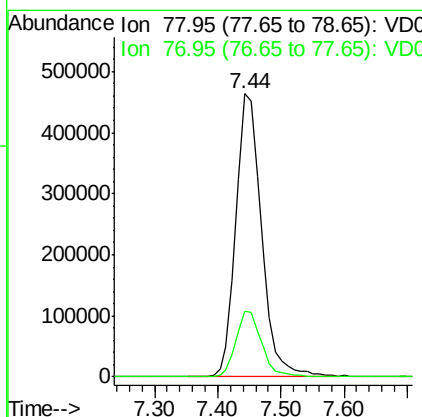
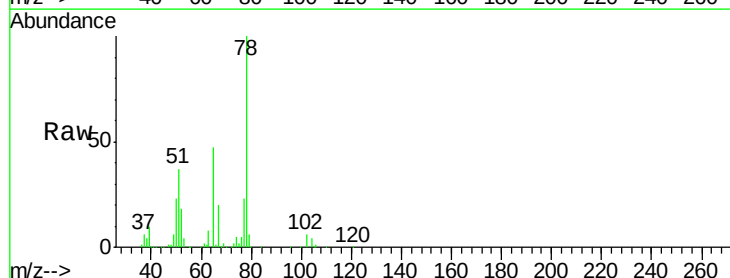
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

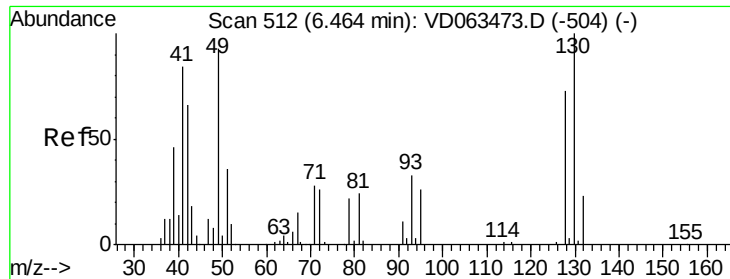
Tot Ion: 83 Resp: 480829
Ion Ratio Lower Upper
83 100
55 95.9 76.6 114.8
98 48.8 39.4 59.0



#40
Benzene
Concen: 50.537 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 78 Resp: 1306540
Ion Ratio Lower Upper
78 100
77 23.4 20.1 30.1

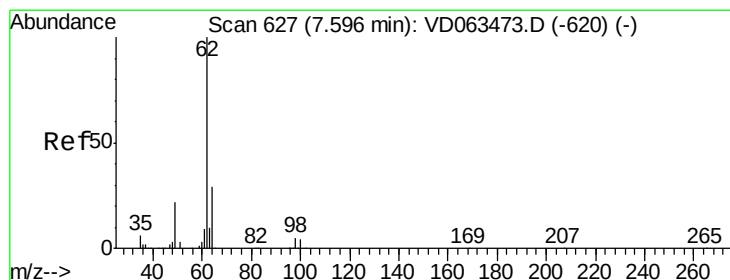
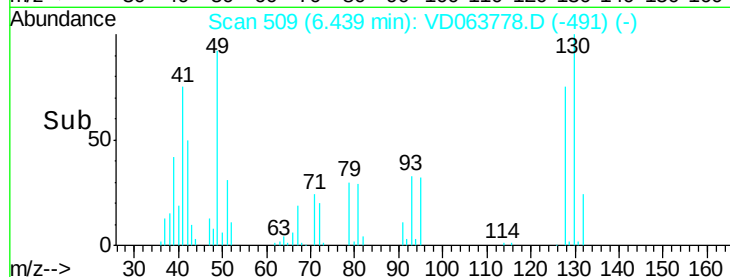
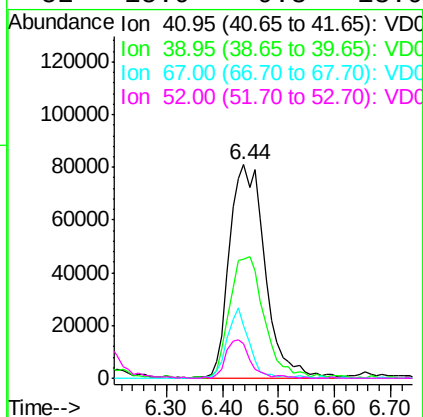
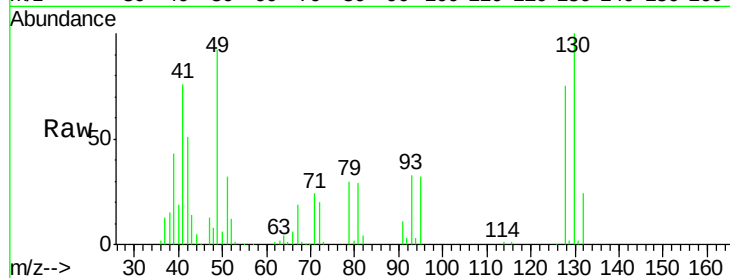




#41
Methacrylonitrile
Concen: 57.624 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

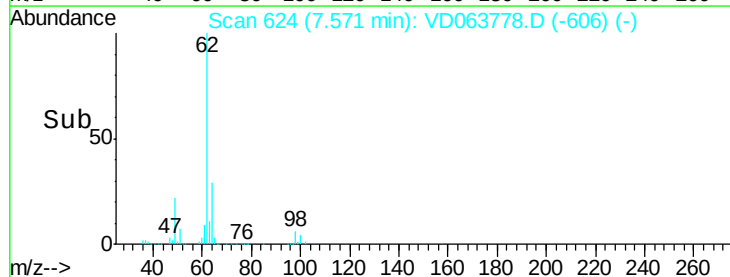
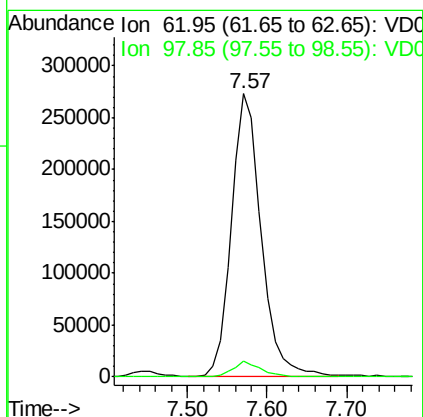
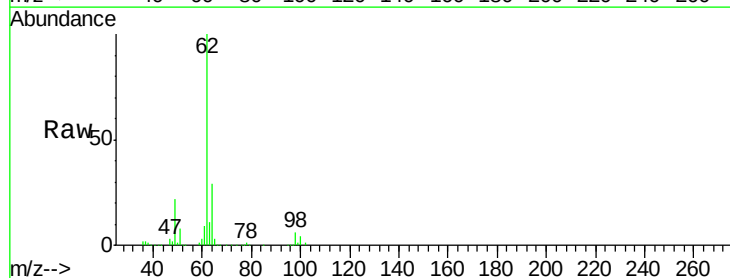
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

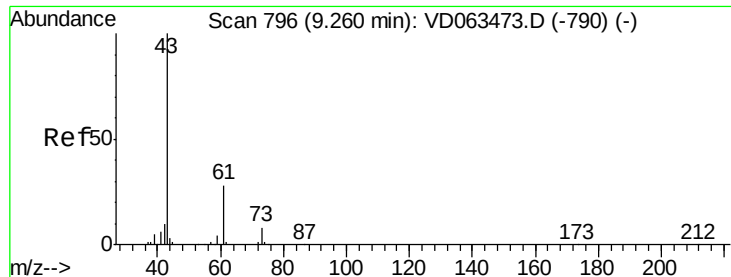
Tot Ion: 41 Resp: 357166
Ion Ratio Lower Upper
41 100
39 55.6 44.6 66.8
67 24.4 14.4 21.6#
52 15.9 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 54.740 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 62 Resp: 711597
Ion Ratio Lower Upper
62 100
98 5.6 0.0 10.4





#43

Isopropyl Acetate

Concen: 62.368 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

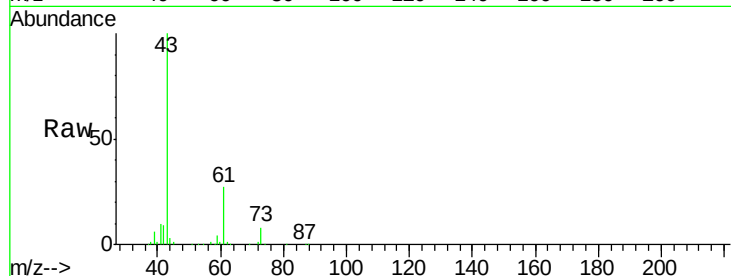
Tot Ion: 43 Resp: 411201

Ion Ratio Lower Upper

43 100

61 27.0 22.2 33.2

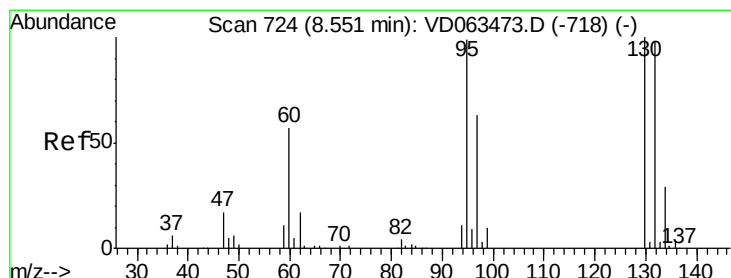
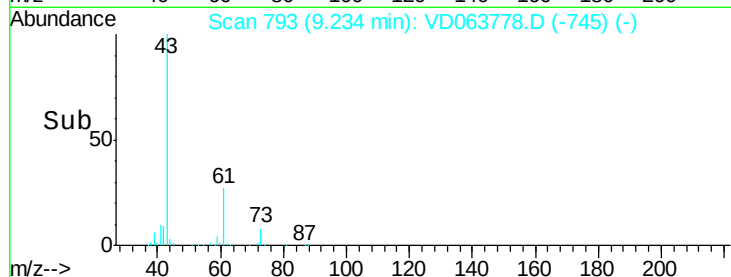
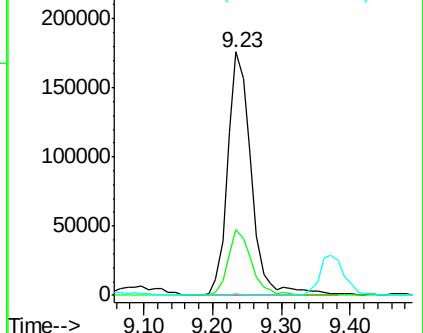
87 0.6 0.2 0.4#



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: 52.033 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063778.D

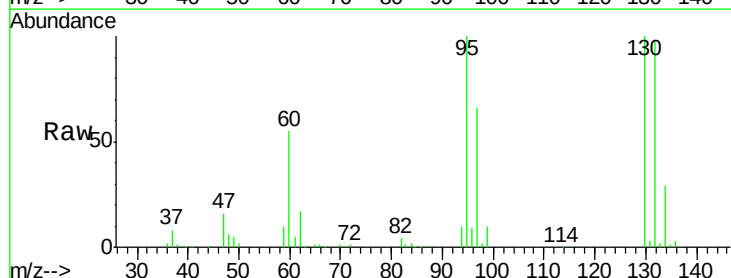
Acq: 23 Aug 2019 20:38

Tgt Ion: 130 Resp: 514173

Ion Ratio Lower Upper

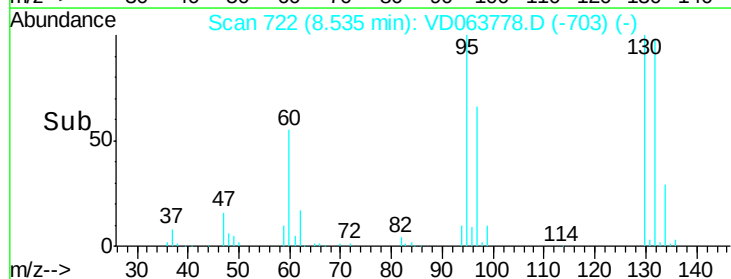
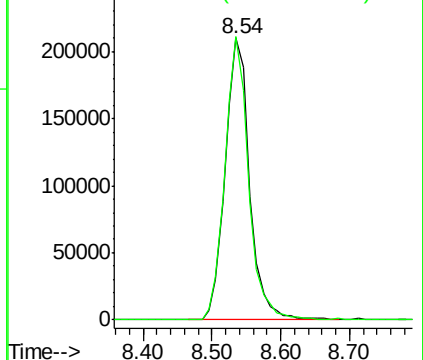
130 100

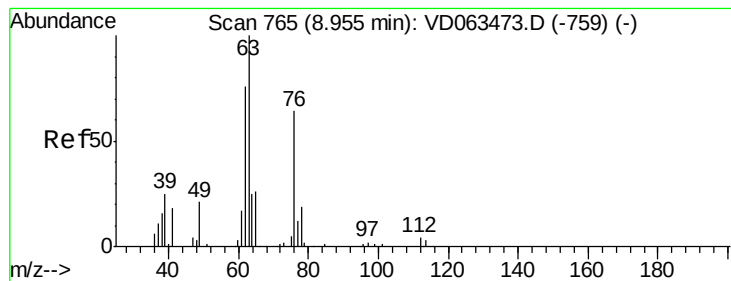
95 100.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.094 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

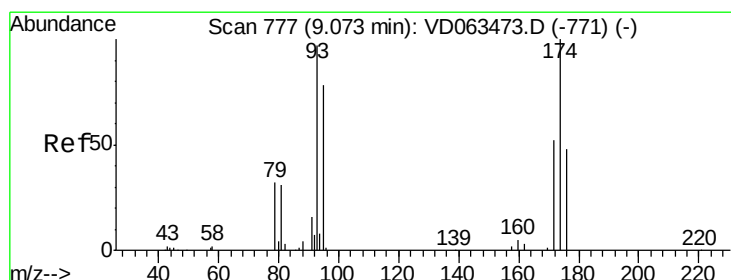
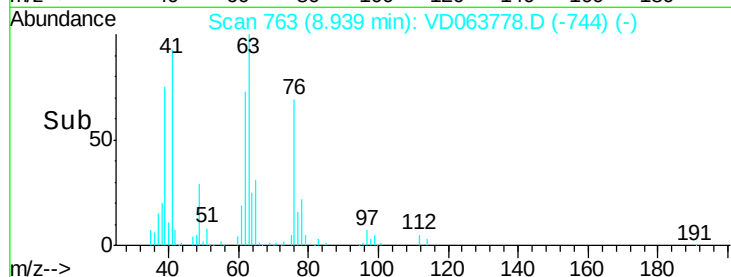
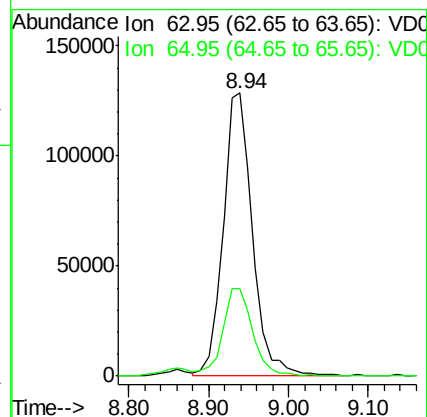
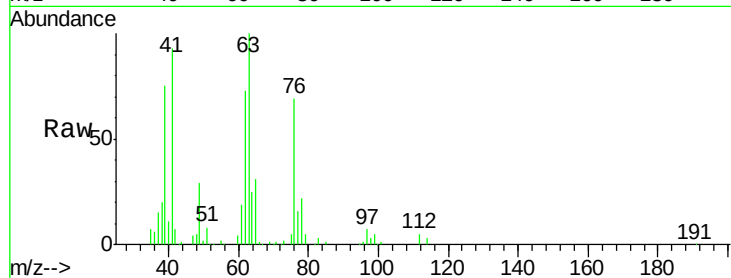
VSTDCCC050EC

Tot Ion: 63 Resp: 331698

Ion Ratio Lower Upper

63 100

65 30.9 22.5 33.7



#46

Dibromomethane

Concen: 58.386 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

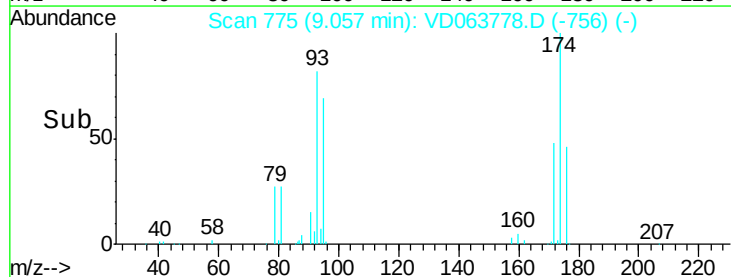
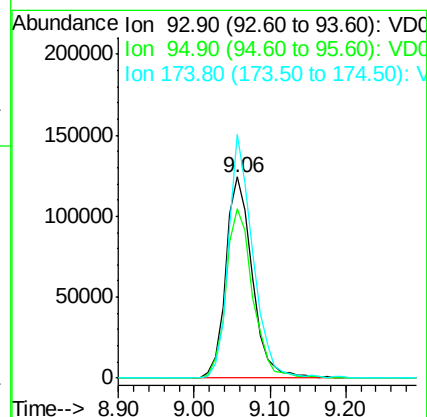
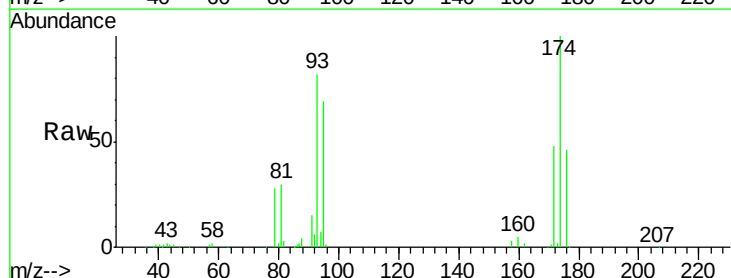
Tgt Ion: 93 Resp: 300187

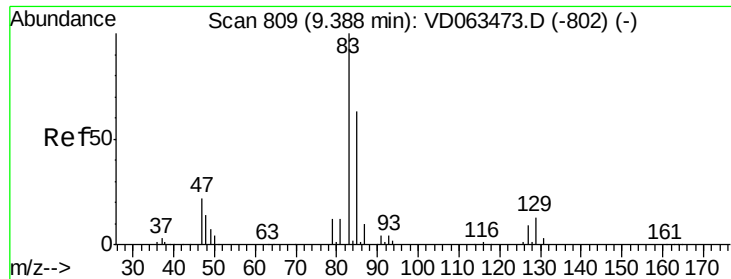
Ion Ratio Lower Upper

93 100

95 84.2 64.2 96.2

174 121.2 82.1 123.1





#47

Bromodichloromethane

Concen: 61.584 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

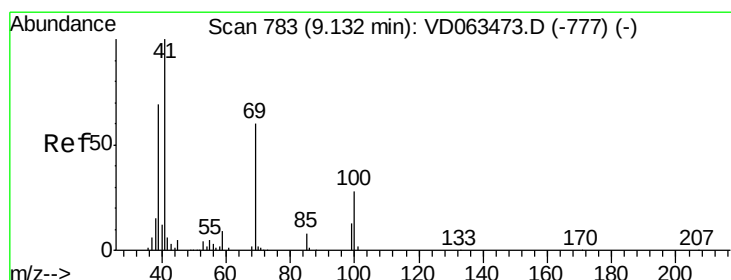
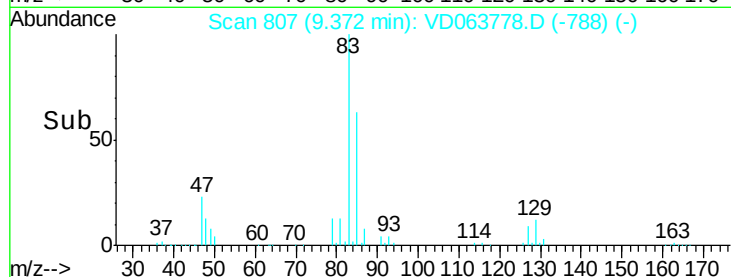
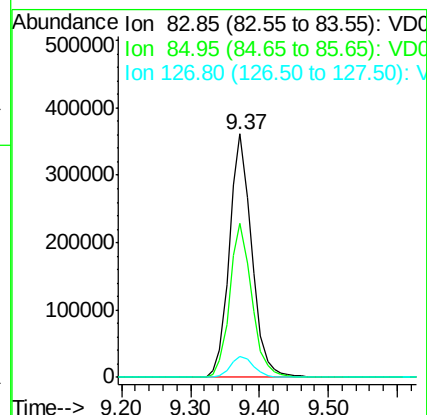
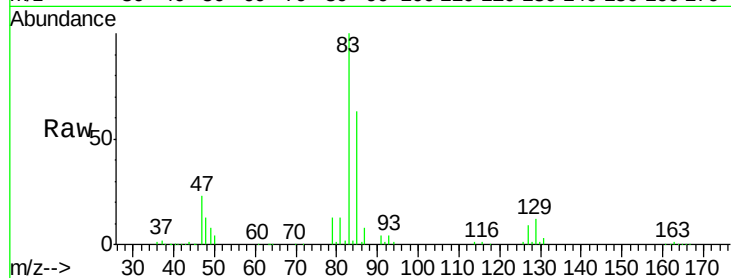
Tot Ion: 83 Resp: 812188

Ion Ratio Lower Upper

83 100

85 63.3 50.1 75.1

127 8.7 7.6 11.4



#48

Methyl methacrylate

Concen: 57.511 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

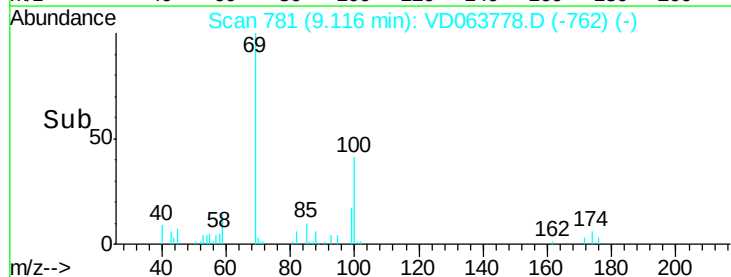
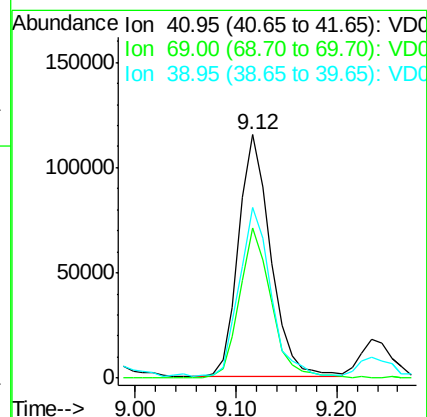
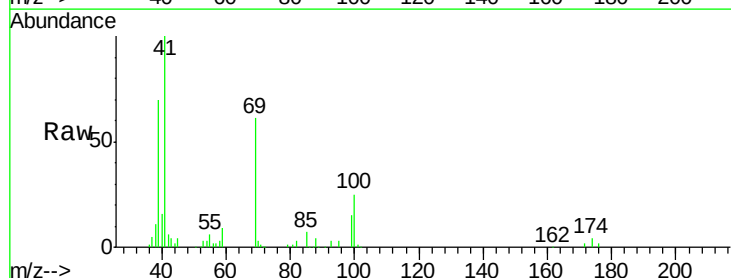
Tgt Ion: 41 Resp: 257150

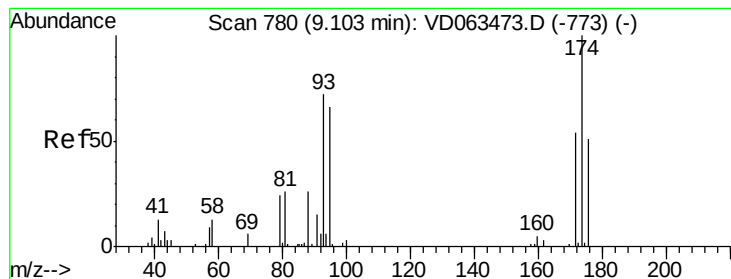
Ion Ratio Lower Upper

41 100

69 61.5 47.6 71.4

39 70.2 55.7 83.5





#49

1,4-Dioxane

Concen: 1067.143 ug/l

RT: 9.08 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

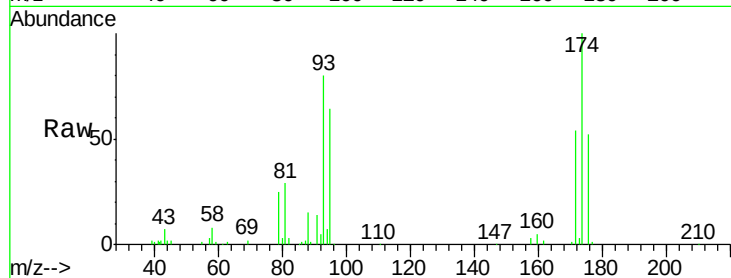
Tot Ion: 88 Resp: 42677

Ion Ratio Lower Upper

88 100

43 48.3 22.9 34.3#

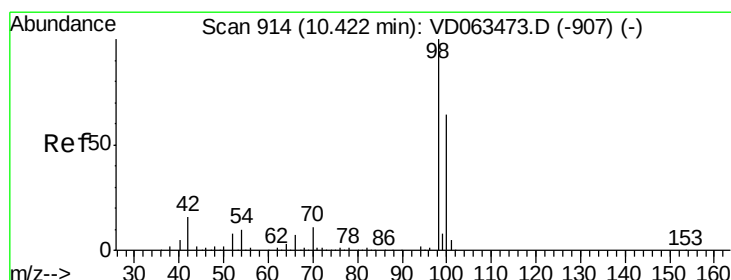
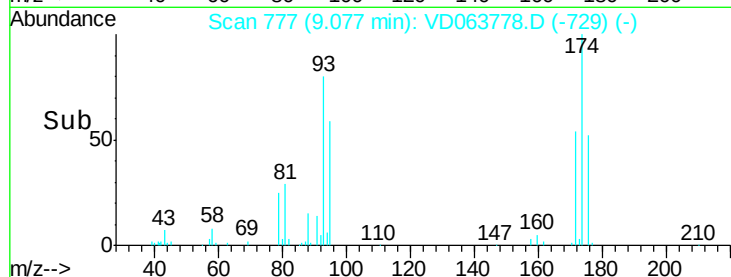
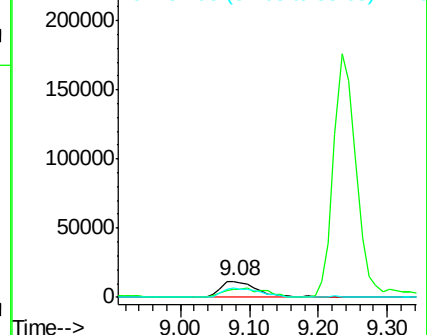
58 55.6 40.1 60.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 53.841 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063778.D

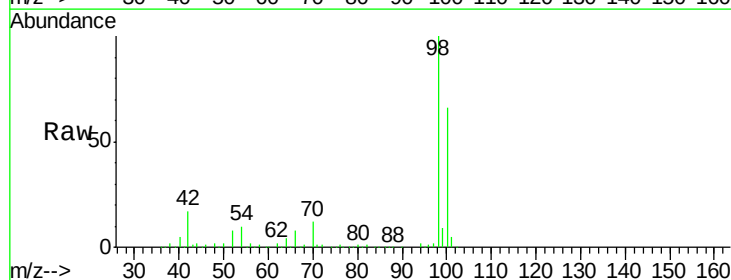
Acq: 23 Aug 2019 20:38

Tgt Ion: 98 Resp: 1324834

Ion Ratio Lower Upper

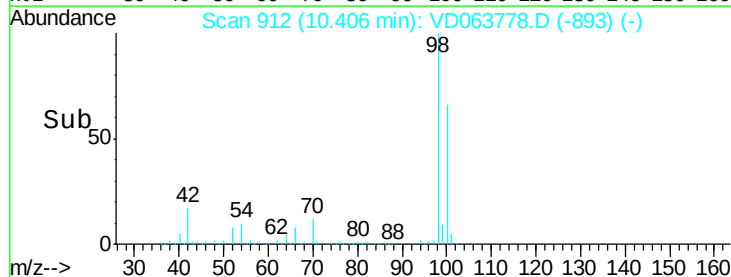
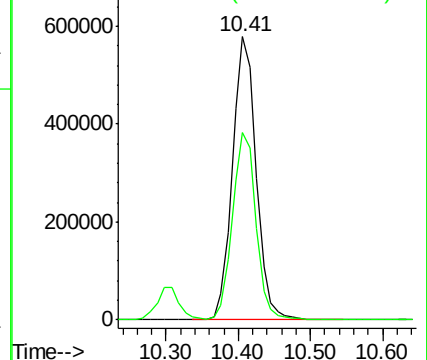
98 100

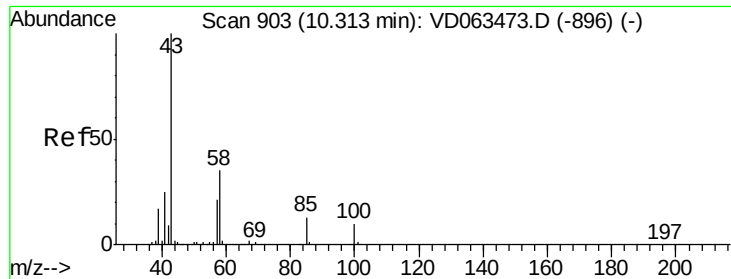
100 66.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

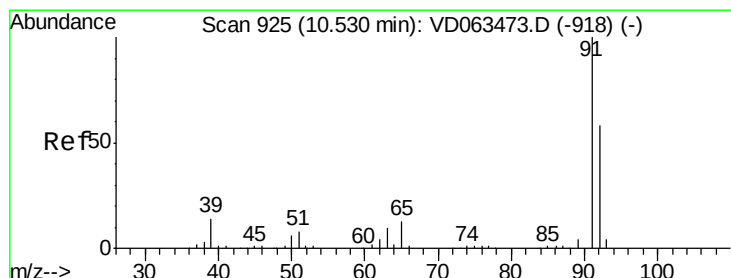
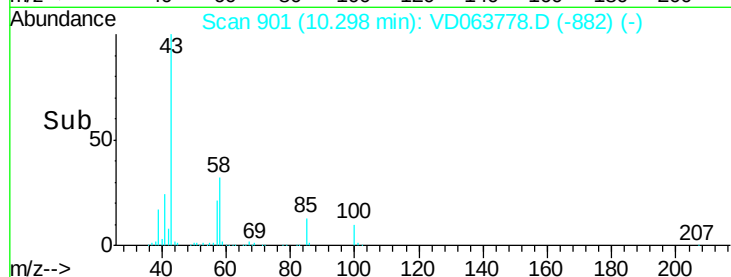
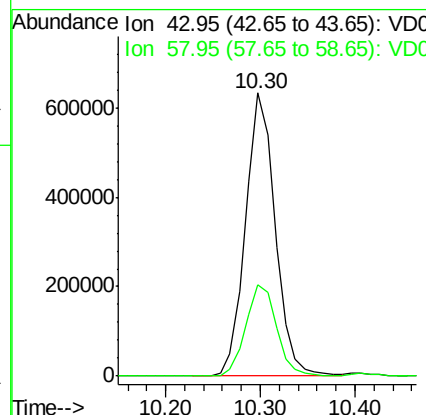
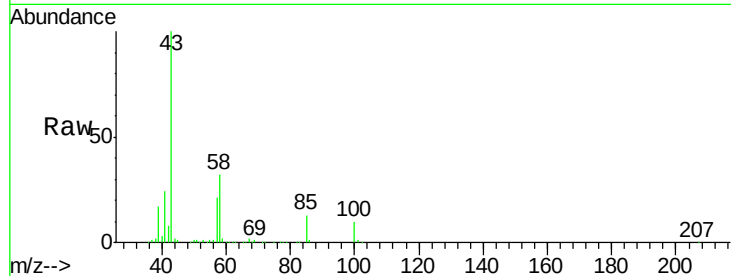




#51
4-Methyl-2-Pentanone
Concen: 306.470 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

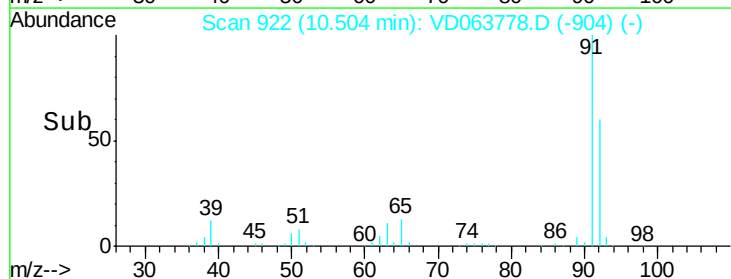
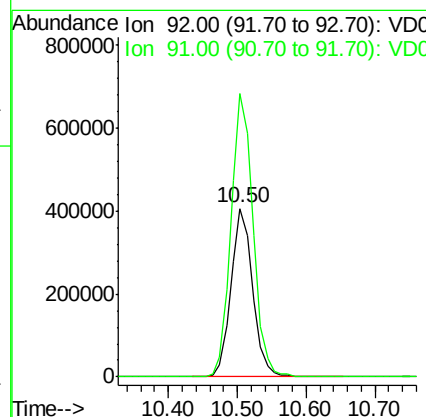
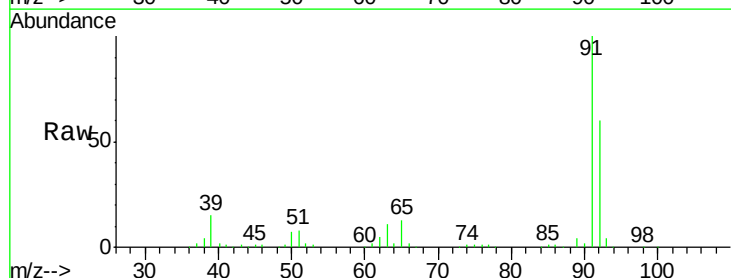
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

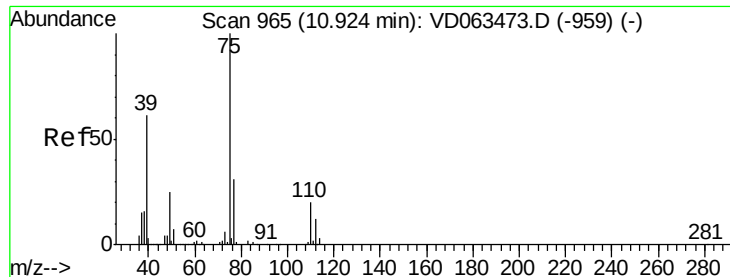
Tot Ion: 43 Resp: 1382635
Ion Ratio Lower Upper
43 100
58 32.1 28.0 42.0



#52
Toluene
Concen: 53.081 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 92 Resp: 883903
Ion Ratio Lower Upper
92 100
91 167.7 137.9 206.9

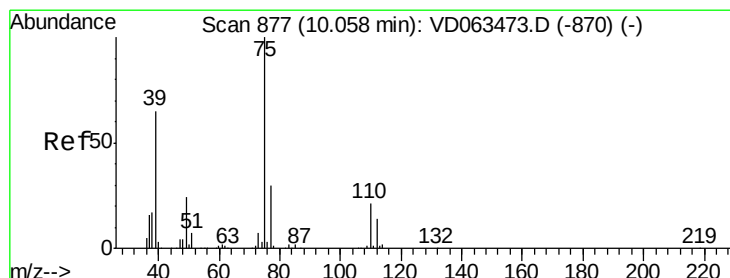
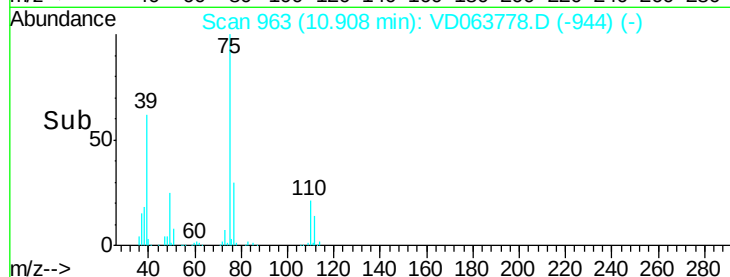
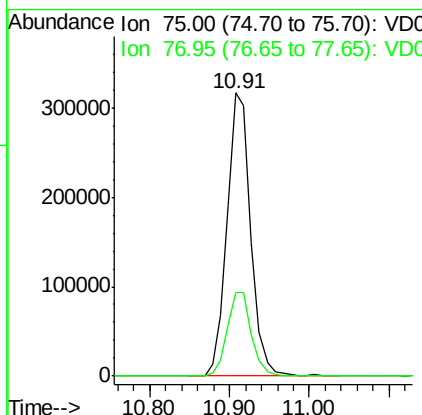
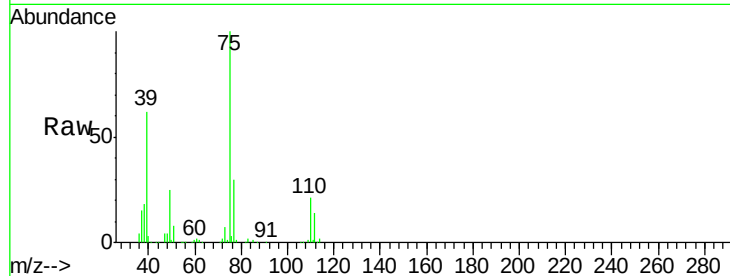




#53
 t-1,3-Dichloropropene
 Concen: 61.379 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

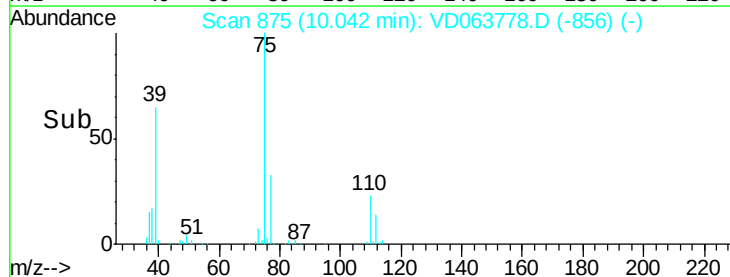
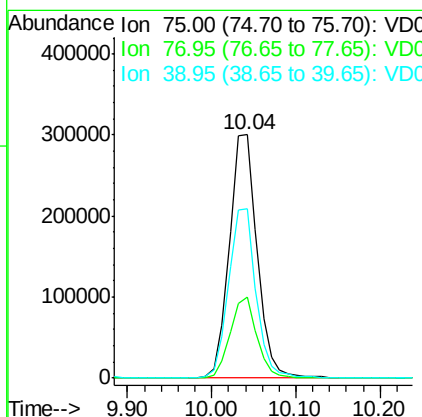
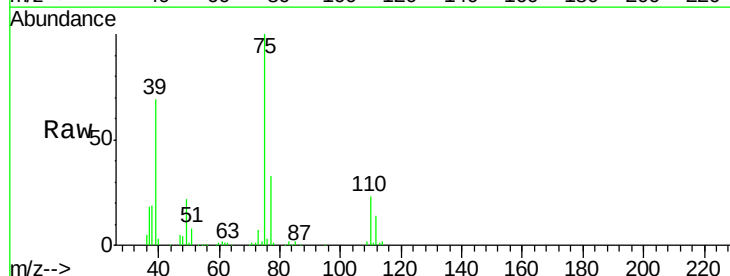
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

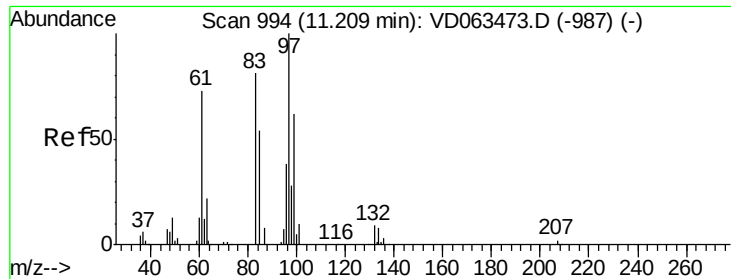
Tot Ion: 75 Resp: 660618
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.750 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 75 Resp: 688723
 Ion Ratio Lower Upper
 75 100
 77 33.2 23.7 35.5
 39 69.4 52.2 78.4

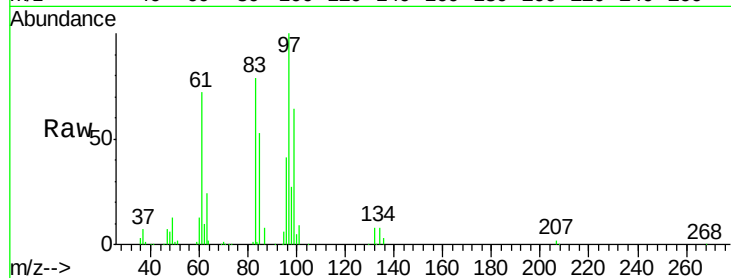




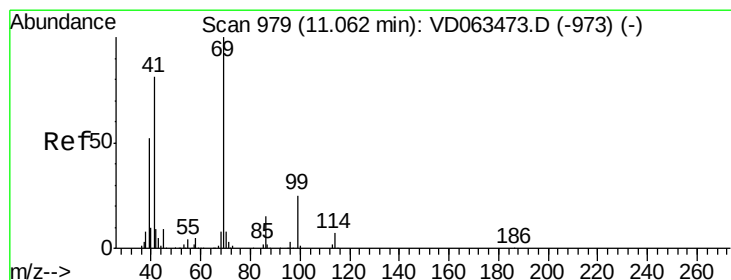
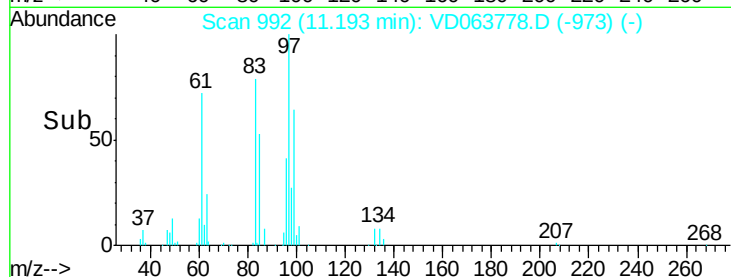
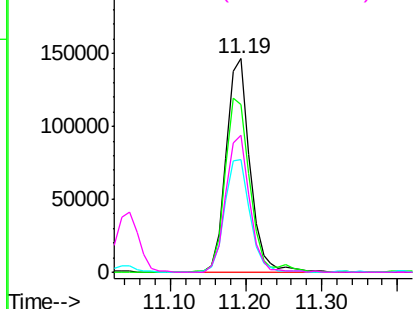
#55
 1,1,2-Trichloroethane
 Concen: 56.607 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	318406
Ion	Ratio	Lower	Upper
97	100		
83	78.7	64.7	97.1
85	52.8	42.9	64.3
99	64.4	49.7	74.5

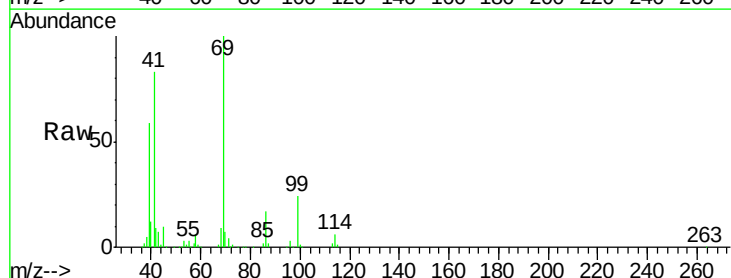


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

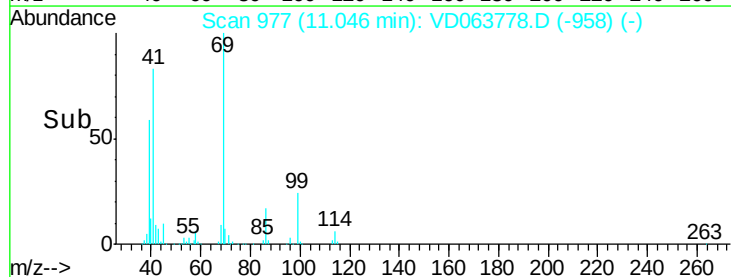
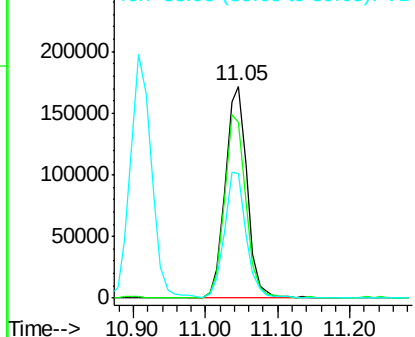


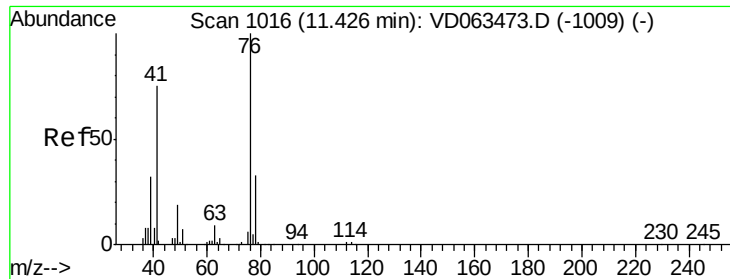
#56
 Ethyl methacrylate
 Concen: 59.042 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion:	69	Resp:	360467
Ion	Ratio	Lower	Upper
69	100		
41	82.8	64.8	97.2
39	58.7	42.4	63.6



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: 60.157 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

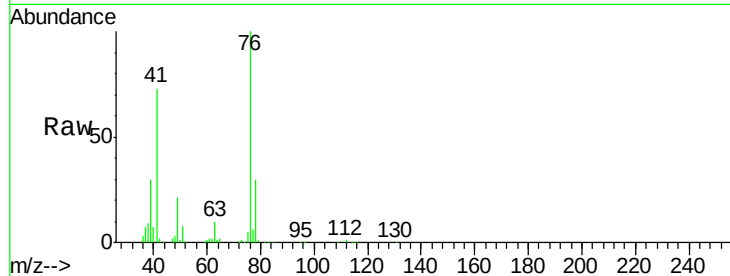
VSTDCCC050EC

Tot Ion: 76 Resp: 511484

Ion Ratio Lower Upper

76 100

78 30.4 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

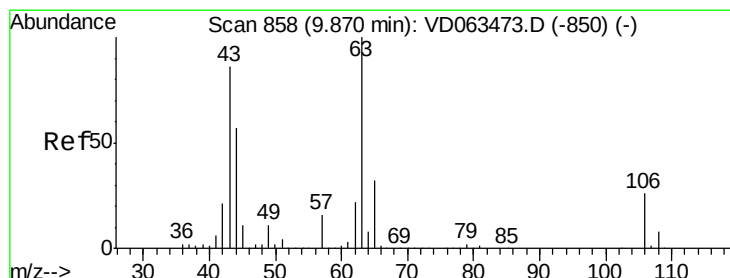
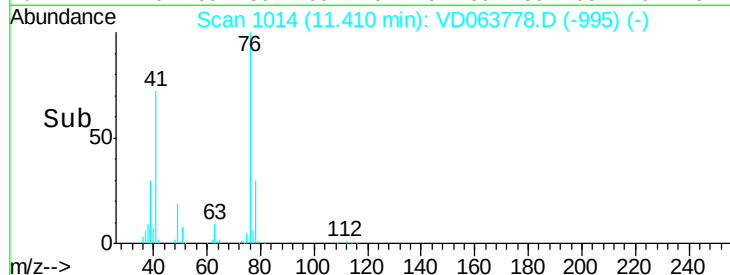
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 330.843 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063778.D

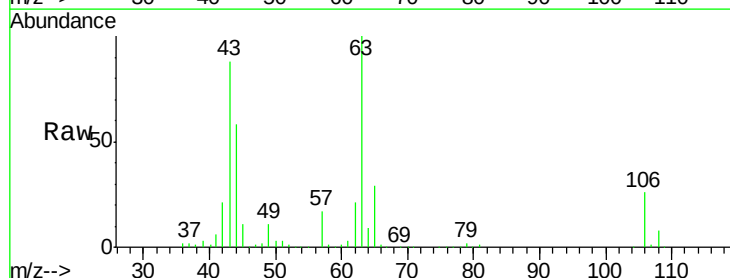
Acq: 23 Aug 2019 20:38

Tgt Ion: 63 Resp: 1066360

Ion Ratio Lower Upper

63 100

106 26.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

500000

400000

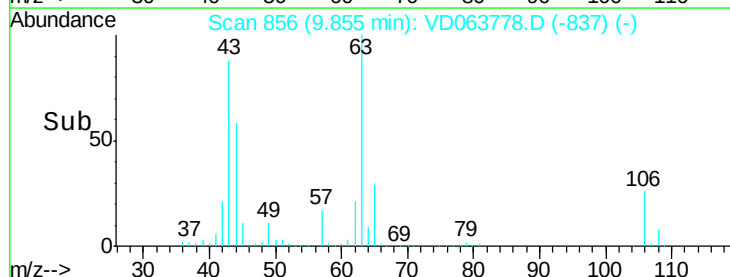
300000

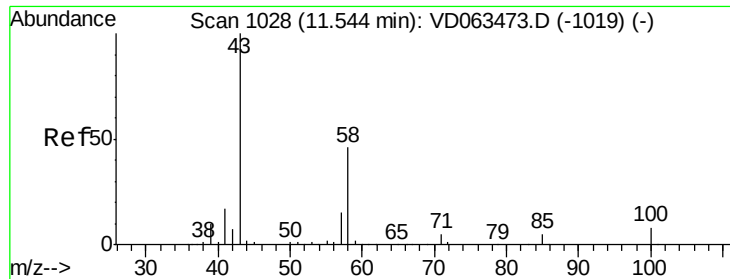
200000

100000

0

Time-->

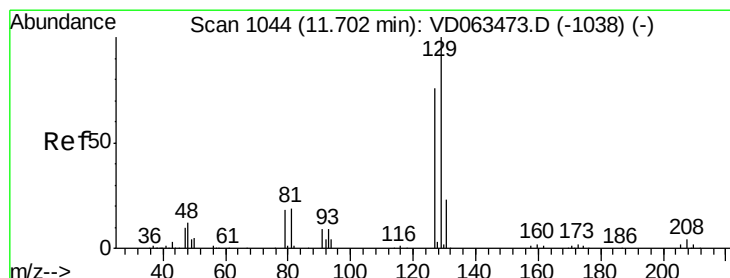
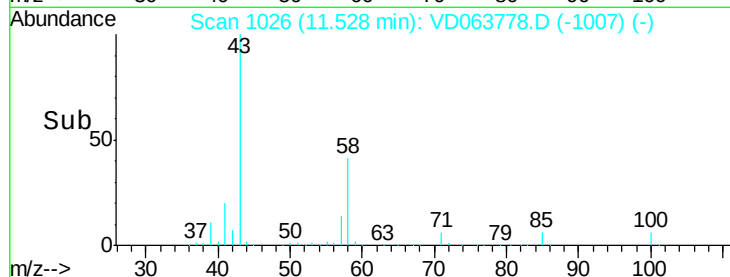
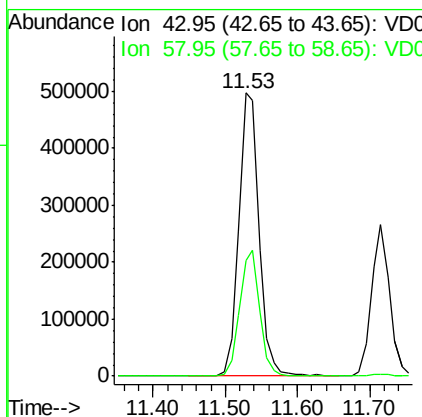
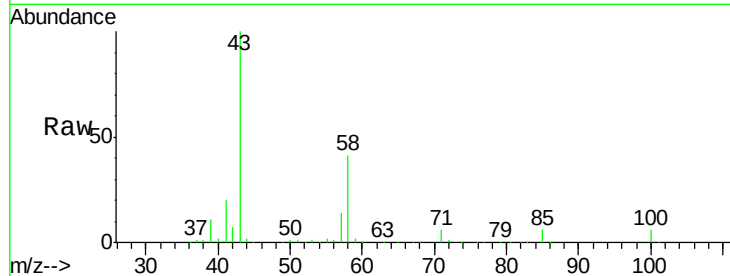




#59
2-Hexanone
Concen: 297.405 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

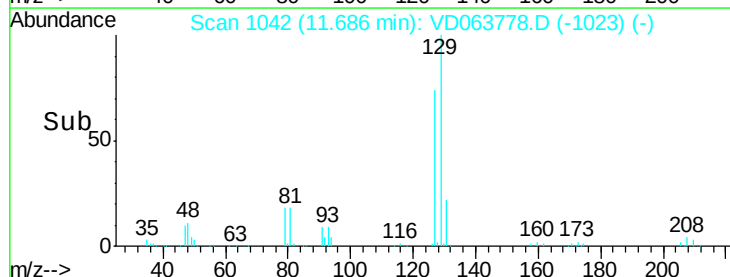
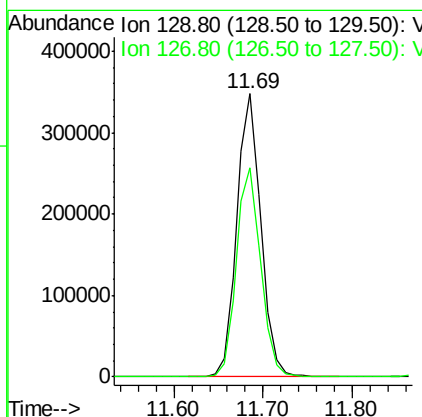
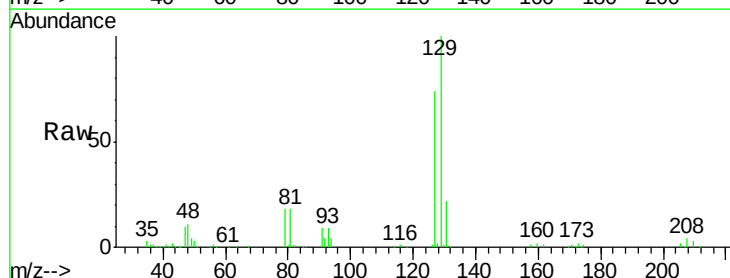
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

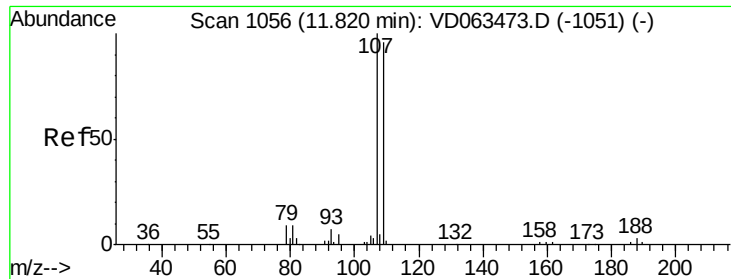
Tot Ion: 43 Resp: 976285
Ion Ratio Lower Upper
43 100
58 40.9 23.1 69.2



#60
Dibromochloromethane
Concen: 63.878 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 129 Resp: 653817
Ion Ratio Lower Upper
129 100
127 73.9 37.8 113.4

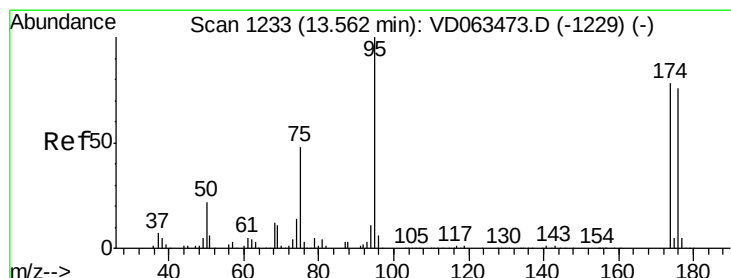
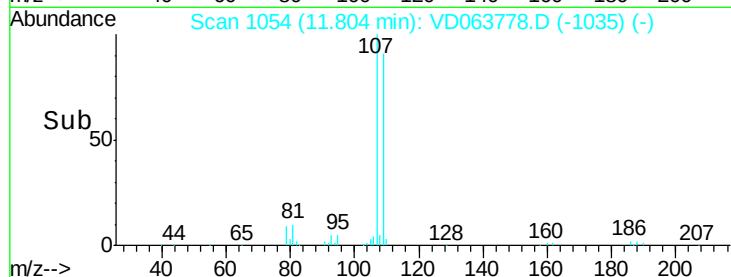
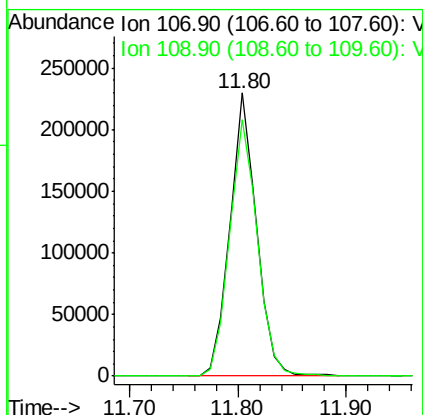
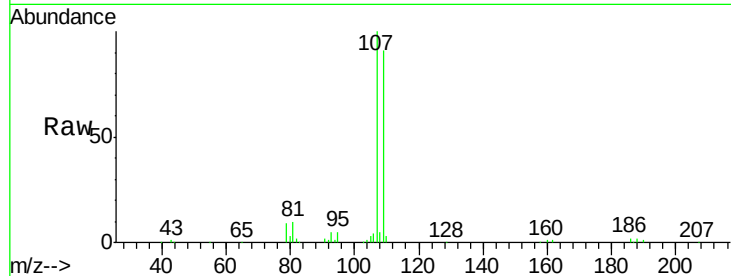




#61
 1,2-Dibromoethane
 Concen: 57.960 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

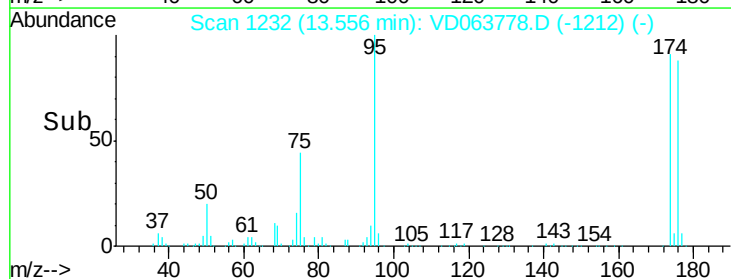
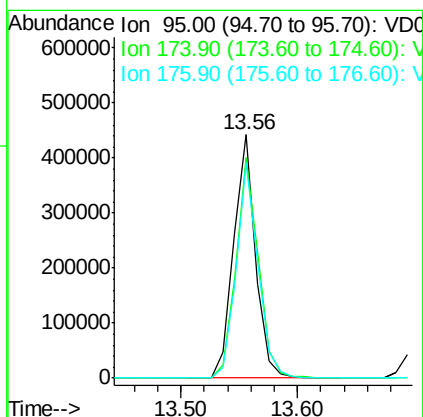
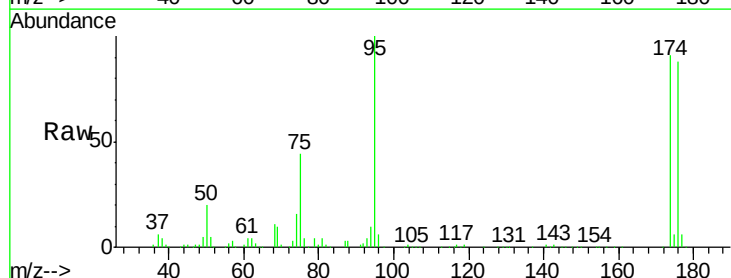
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

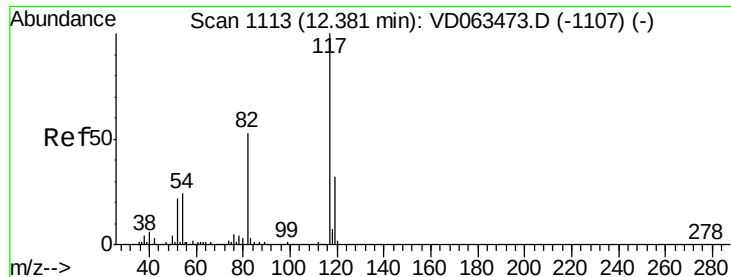
Tot Ion: 107 Resp: 394673
 Ion Ratio Lower Upper
 107 100
 109 90.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.388 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 95 Resp: 573115
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 155.4
 176 88.4 0.0 152.4

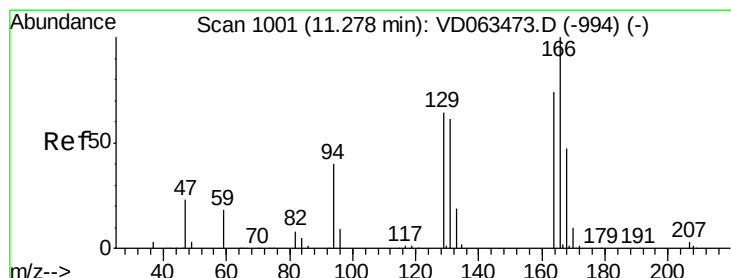
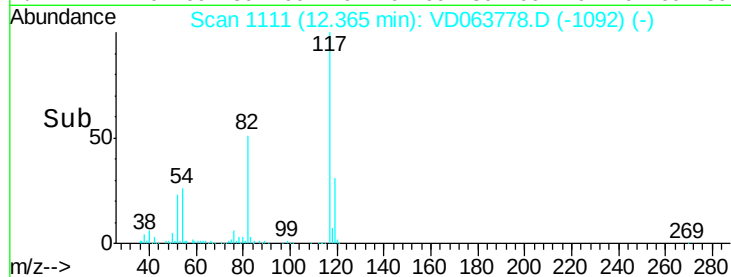
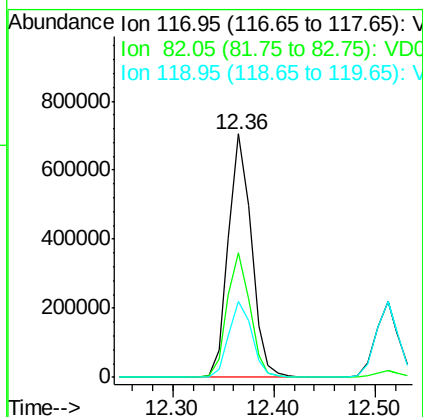
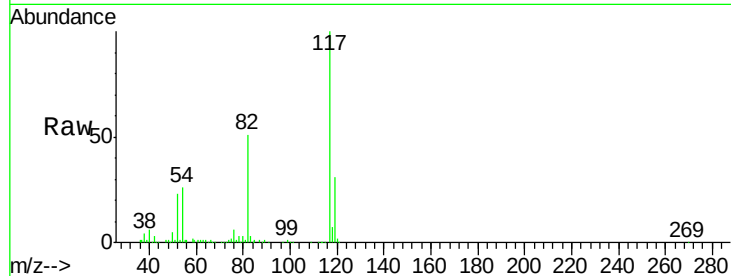




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

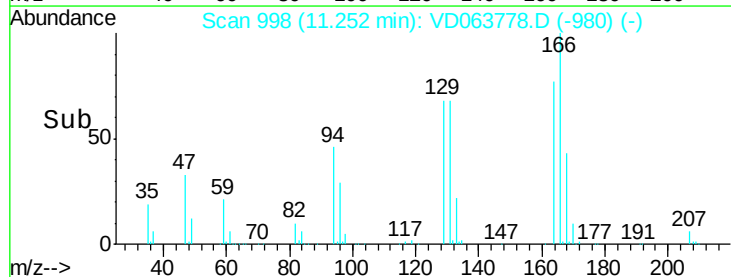
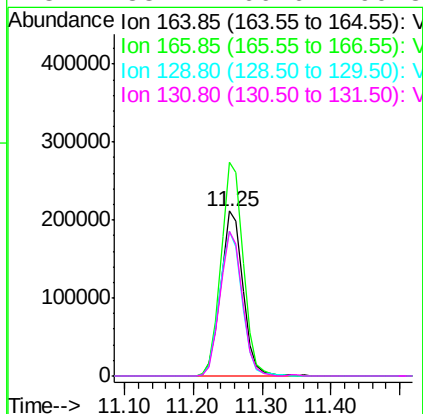
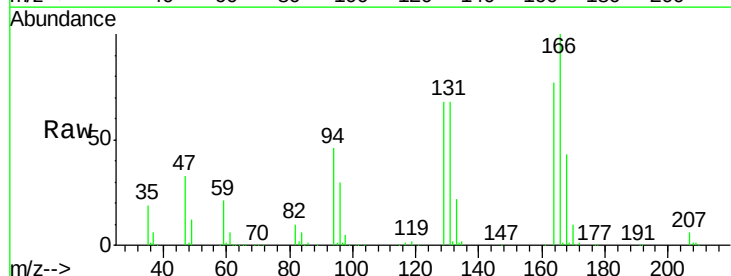
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

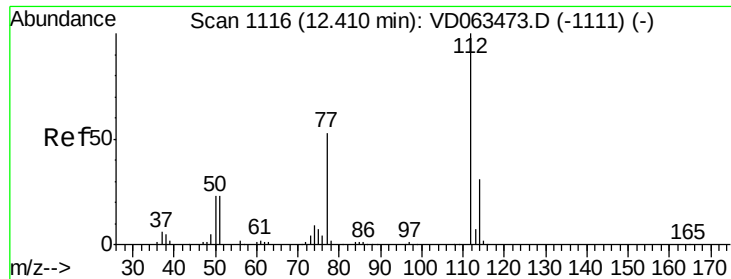
Tot Ion:117 Resp: 1119940
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 54.864 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion:164 Resp: 474337
Ion Ratio Lower Upper
164 100
166 129.7 108.6 163.0
129 87.5 69.0 103.6
131 88.1 66.6 99.8





#65

Chlorobenzene

Concen: 54.325 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

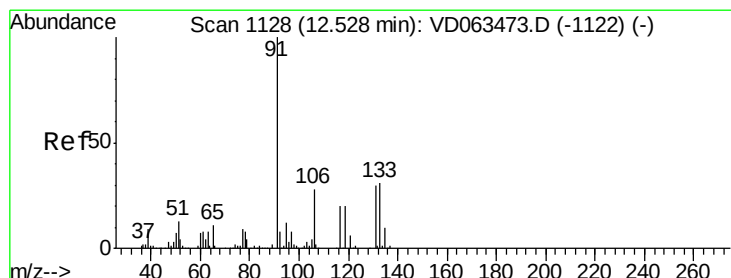
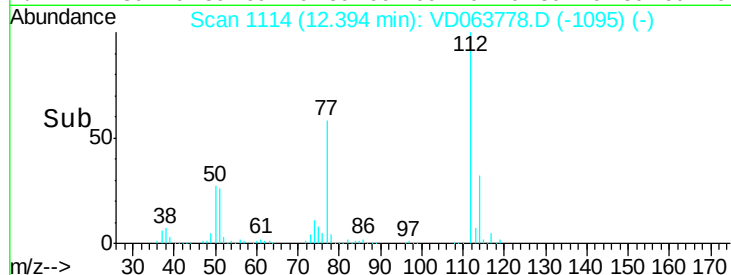
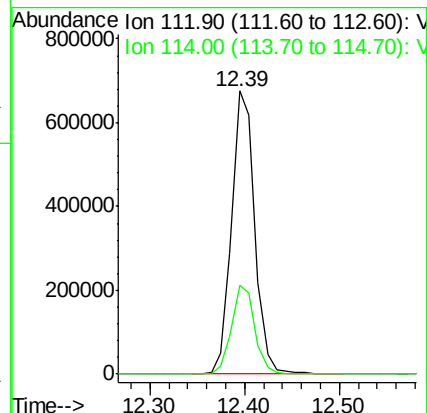
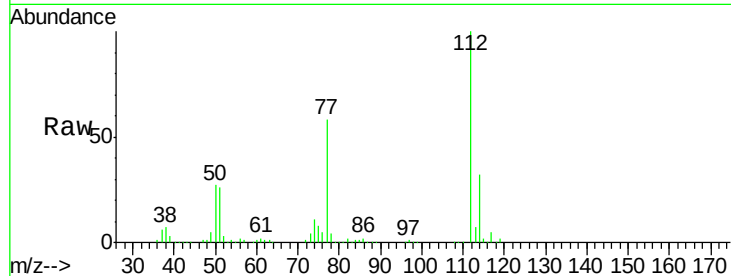
VSTDCCC050EC

Tot Ion:112 Resp: 1140306

Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 58.015 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

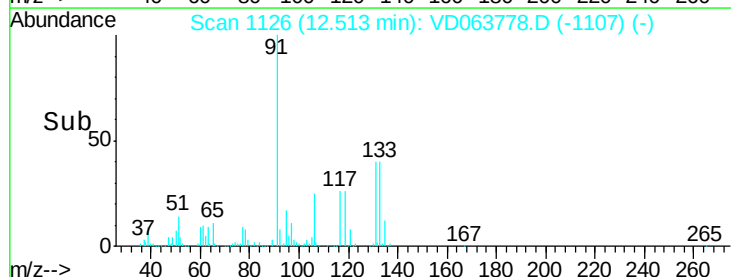
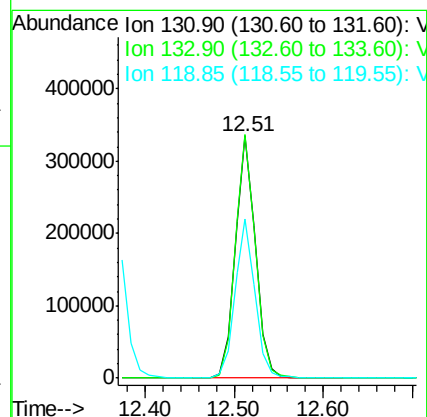
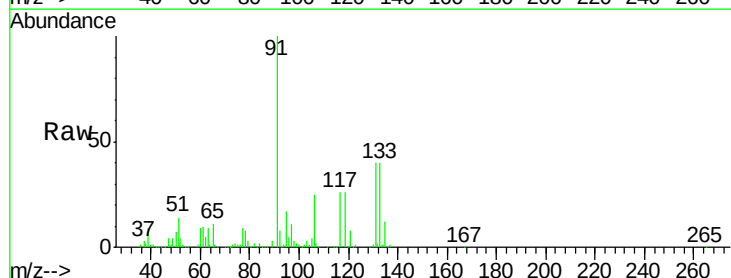
Tgt Ion:131 Resp: 535930

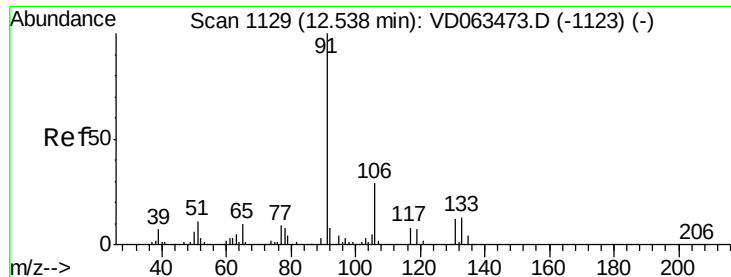
Ion Ratio Lower Upper

131 100

133 100.7 51.1 153.3

119 65.7 33.1 99.3

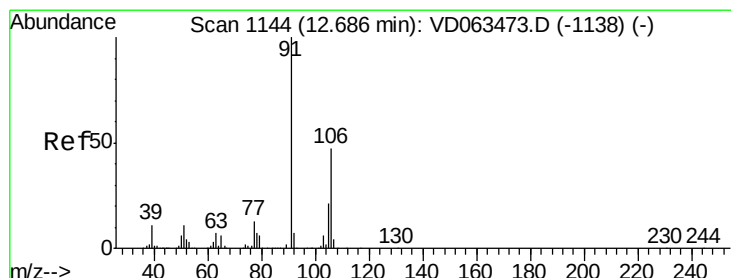
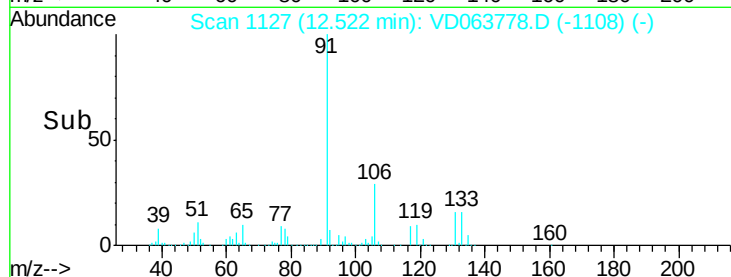
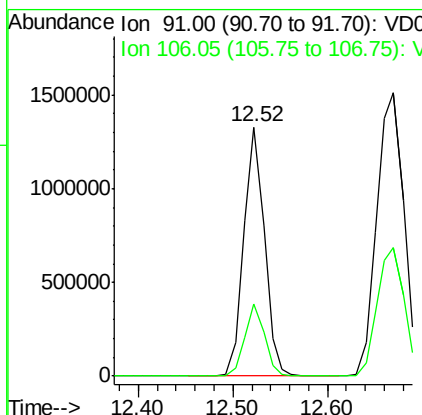
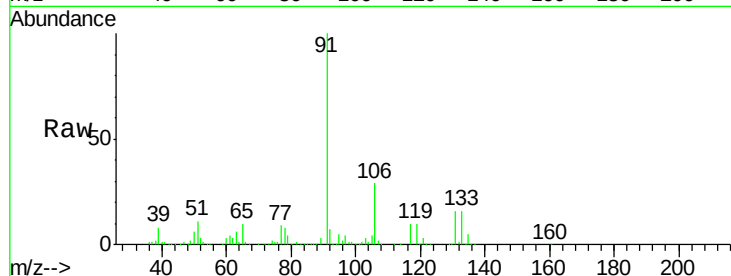




#67
Ethyl Benzene
Concen: 55.280 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

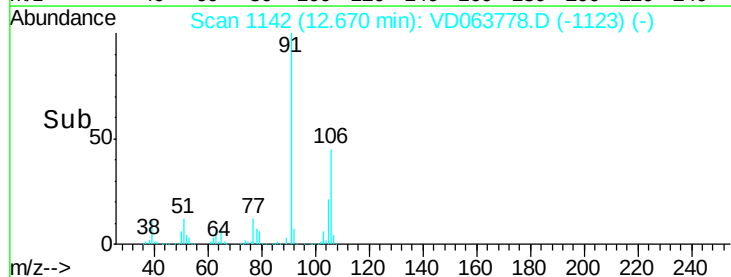
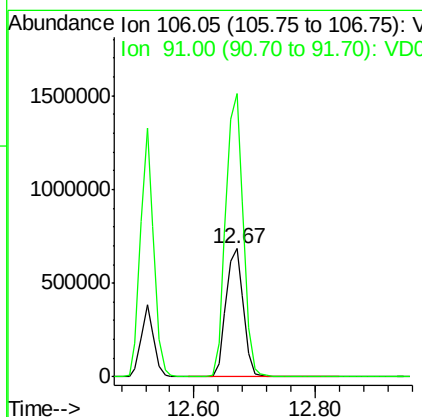
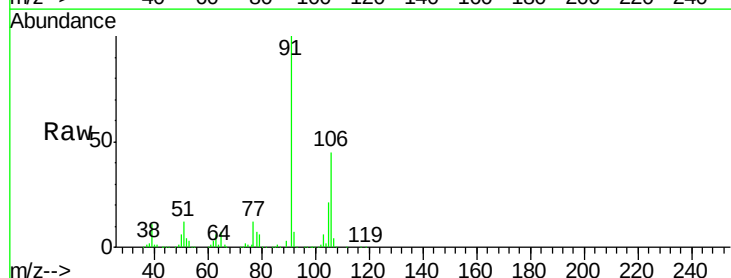
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

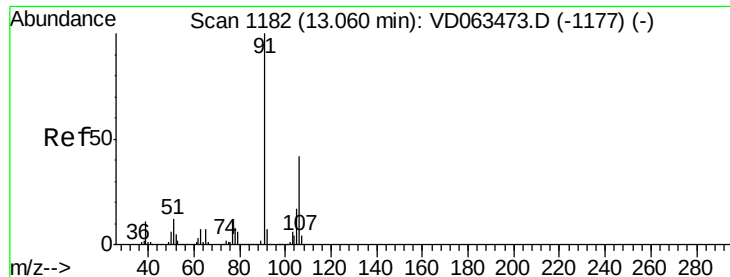
Tot Ion: 91 Resp: 2017576
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 106.656 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 106 Resp: 1367601
Ion Ratio Lower Upper
106 100
91 221.3 171.8 257.8

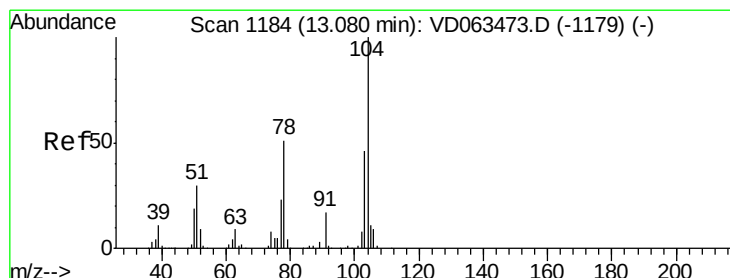
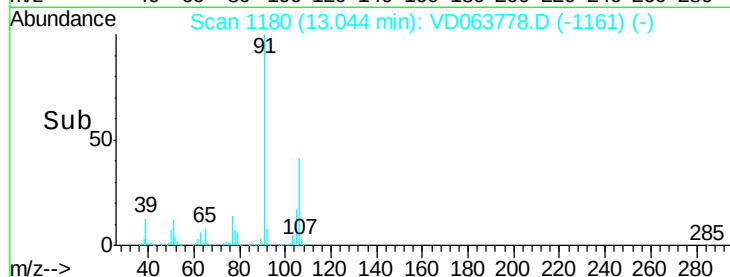
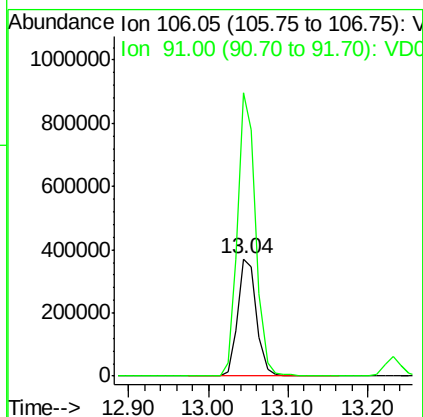
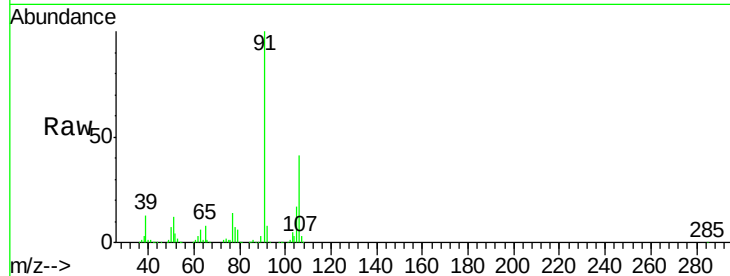




#69
o-Xylene
Concen: 49.407 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

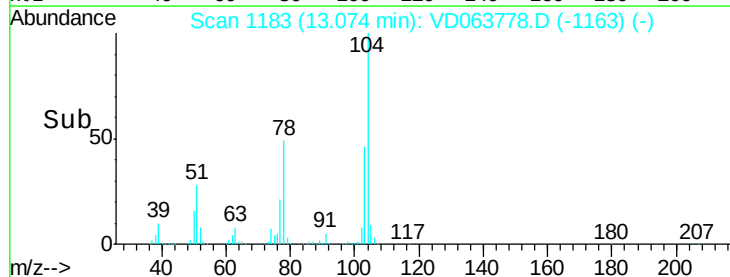
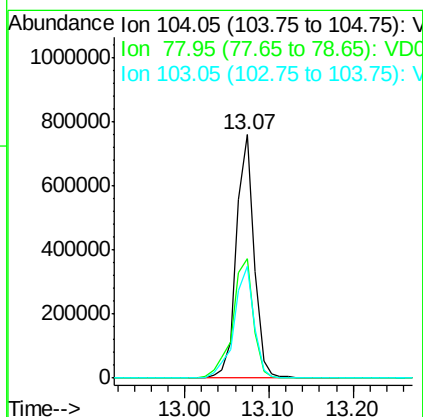
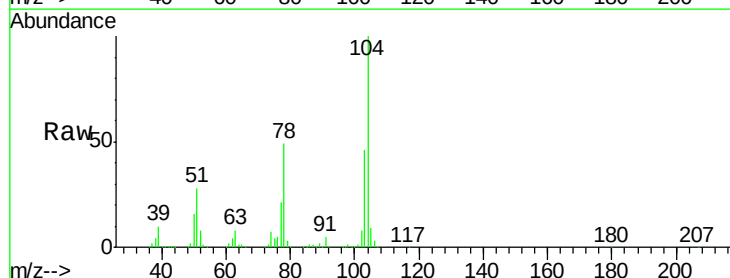
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

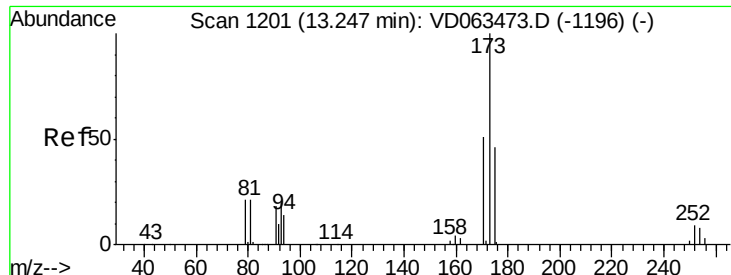
Tot Ion:106 Resp: 609746
Ion Ratio Lower Upper
106 100
91 241.2 118.1 354.2



#70
Styrene
Concen: 50.478 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion:104 Resp: 1108120
Ion Ratio Lower Upper
104 100
78 49.1 40.8 61.2
103 45.9 36.4 54.6

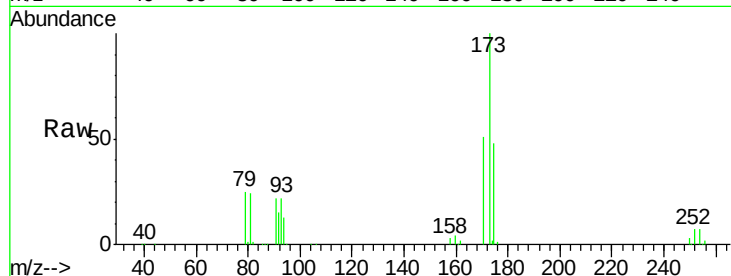




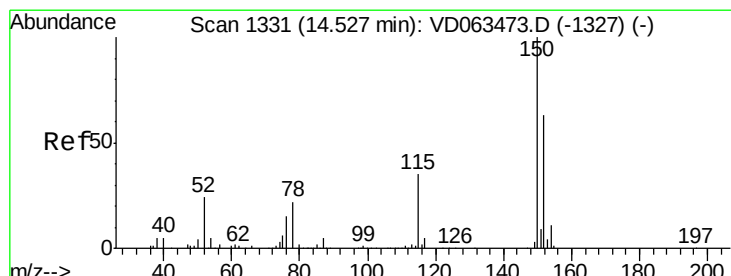
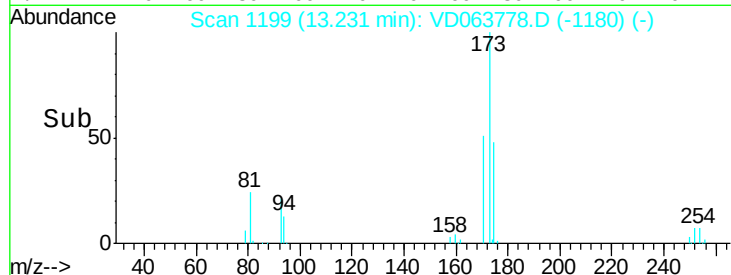
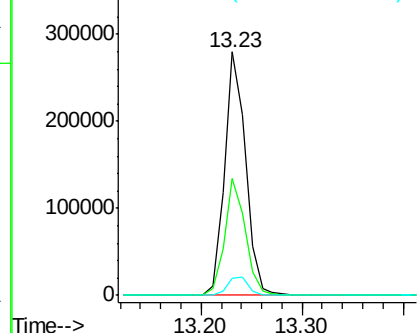
#71
Bromoform
Concen: 64.173 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 406491
Ion Ratio Lower Upper
173 100
175 48.2 22.8 68.3
254 7.1 6.6 9.8

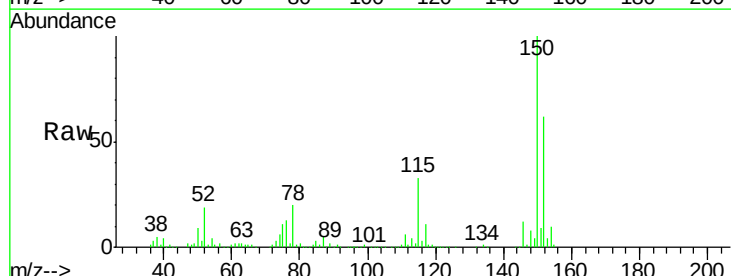


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

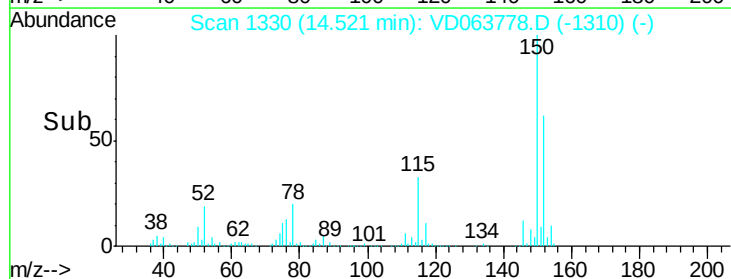
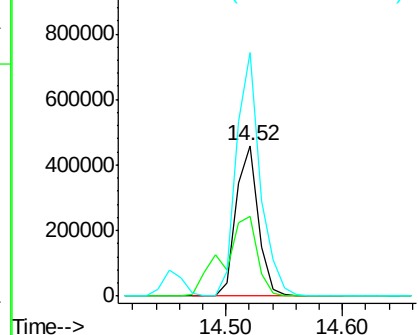


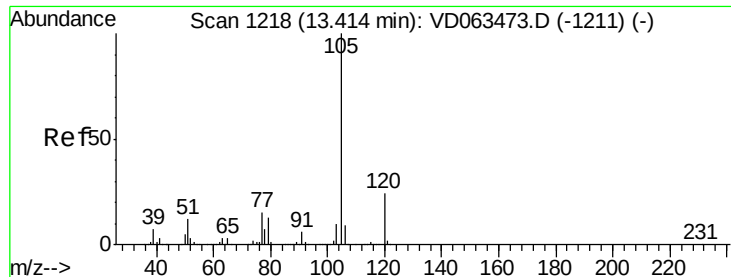
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion:152 Resp: 607496
Ion Ratio Lower Upper
152 100
115 53.5 30.9 92.7
150 162.0 0.0 318.6



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: 49.695 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

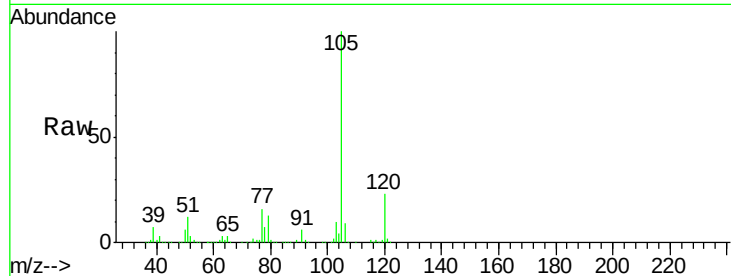
VSTDCCC050EC

Tot Ion:105 Resp: 1920229

Ion Ratio Lower Upper

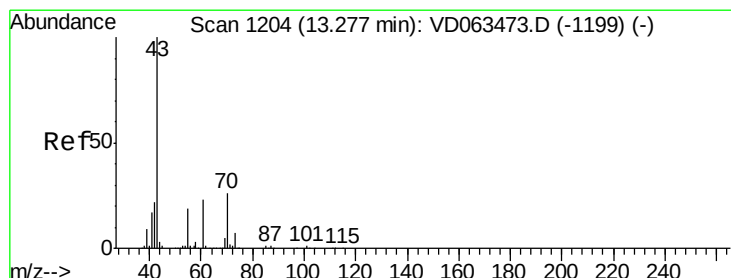
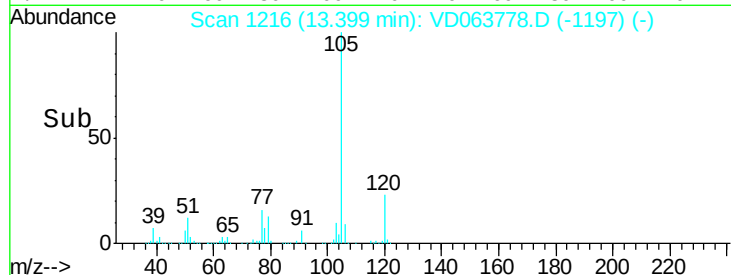
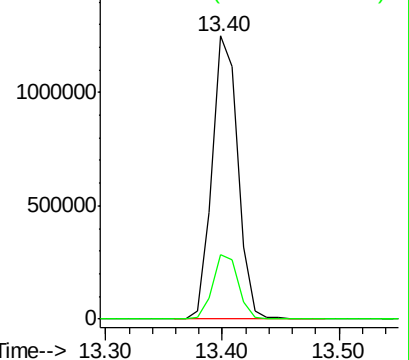
105 100

120 22.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.252 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Tgt Ion: 43 Resp: 545638

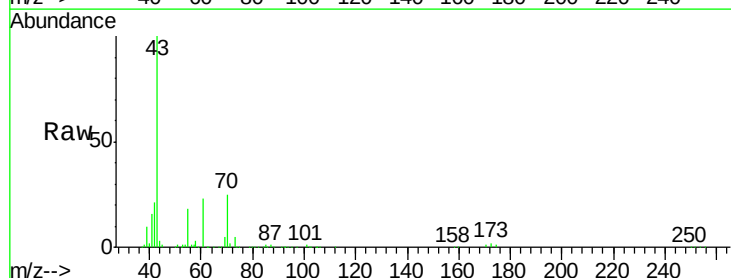
Ion Ratio Lower Upper

43 100

70 24.8 21.1 31.7

55 18.3 15.4 23.0

61 22.8 18.2 27.2

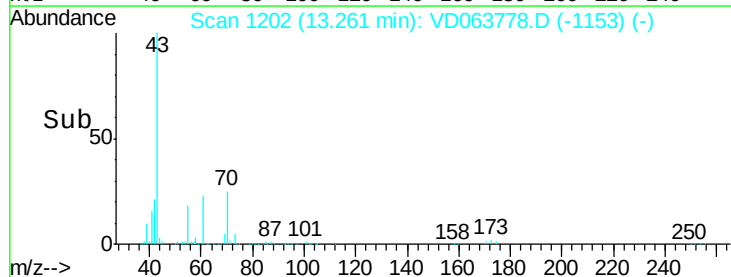
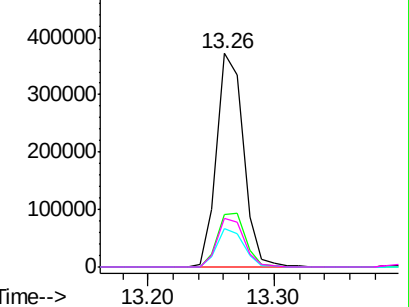


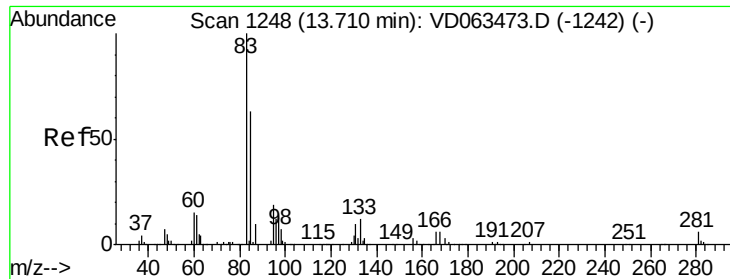
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 57.853 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

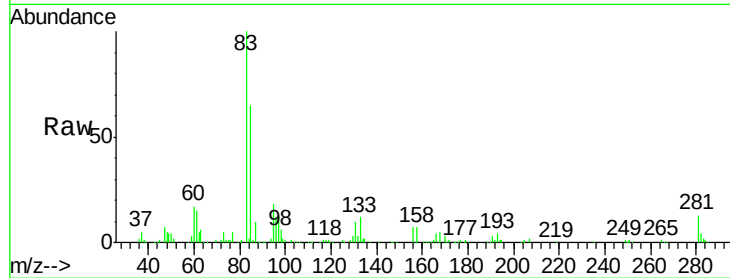
Tot Ion: 83 Resp: 371045

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

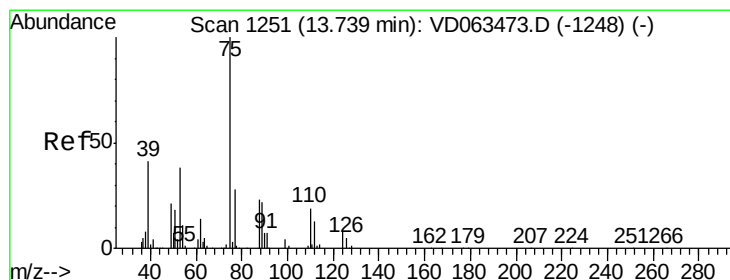
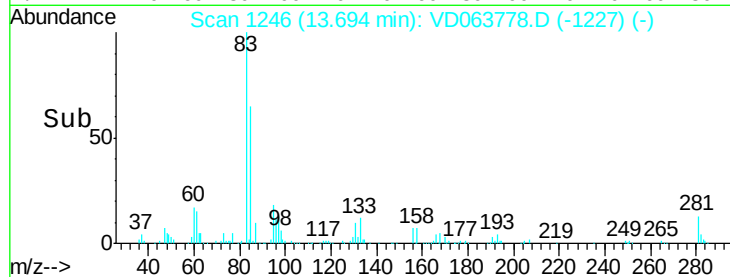
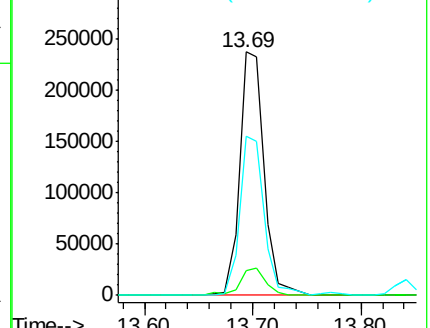
85 65.5 31.4 94.3



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: 60.741 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063778.D

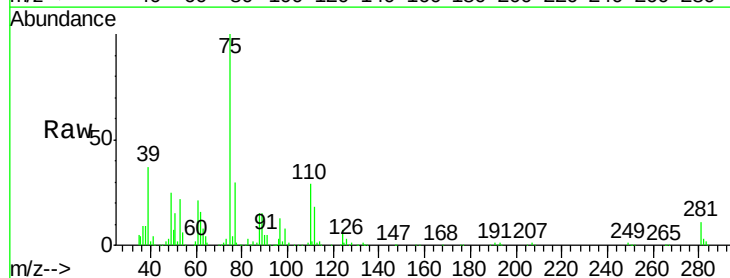
Acq: 23 Aug 2019 20:38

Tgt Ion: 75 Resp: 423486

Ion Ratio Lower Upper

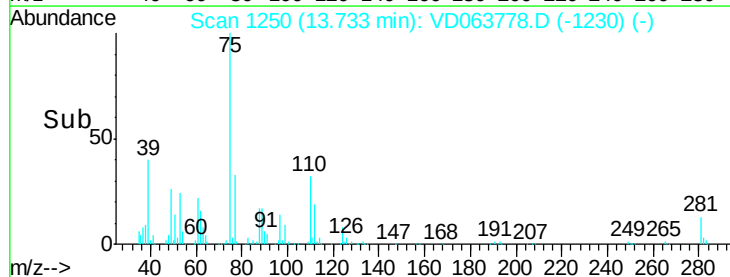
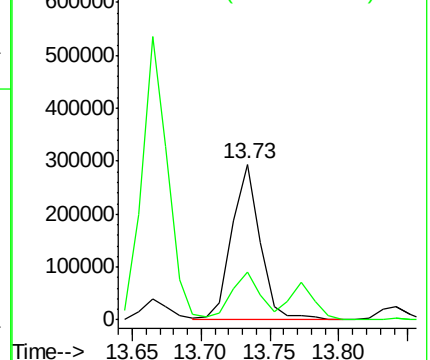
75 100

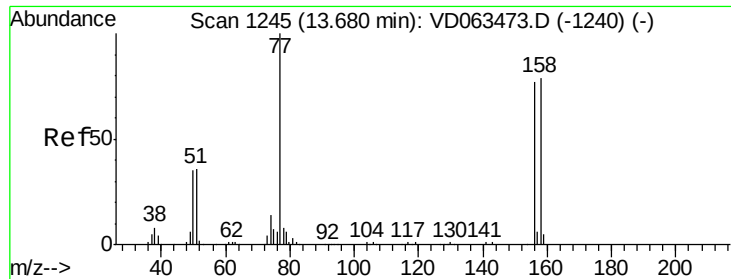
77 30.5 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

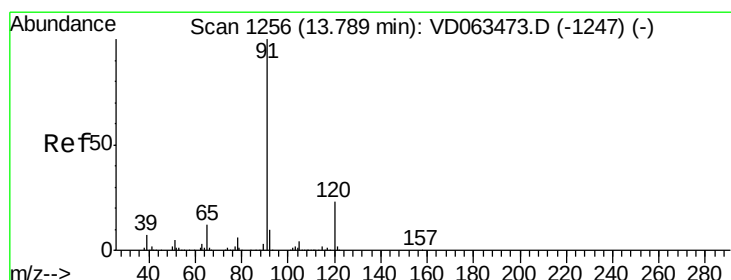
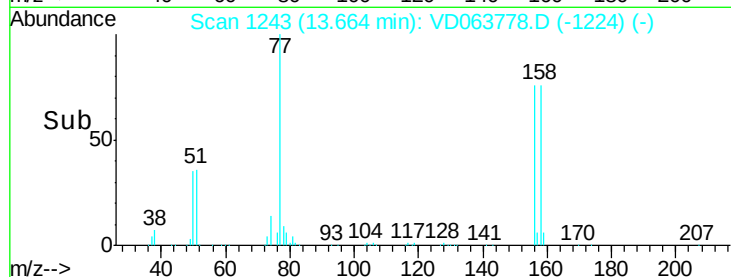
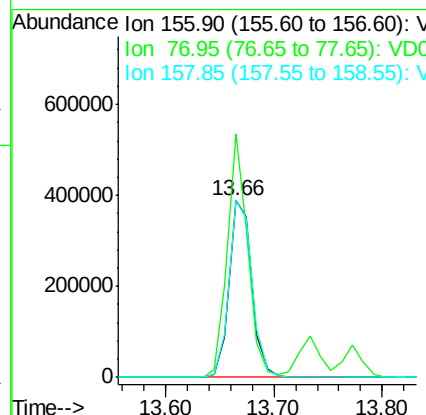
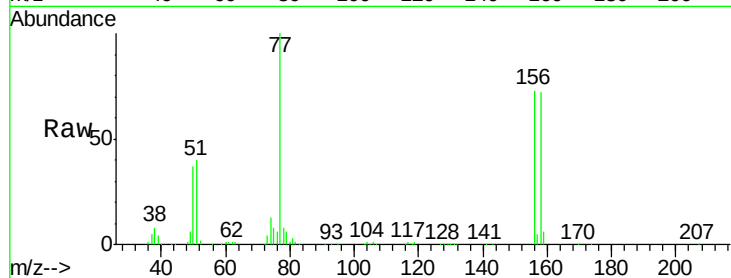




#77
Bromobenzene
Concen: 53.600 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

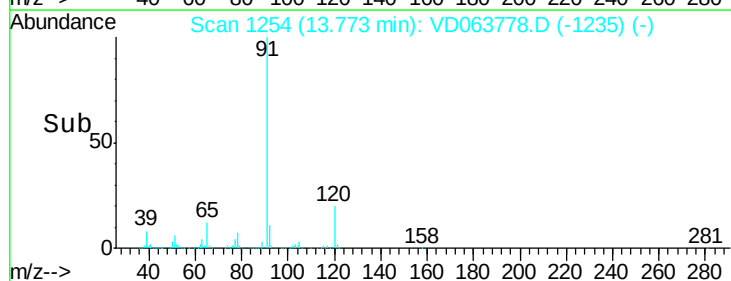
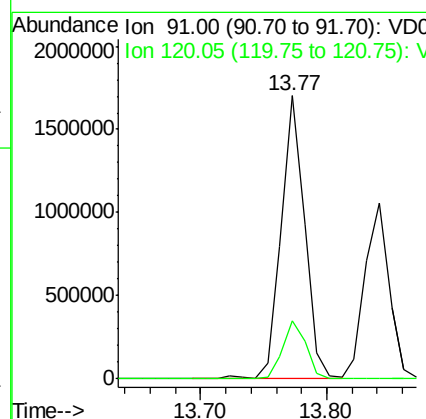
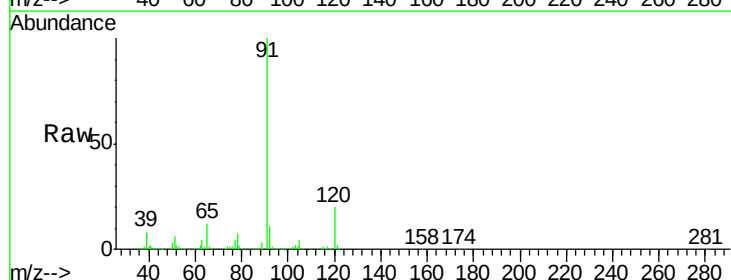
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

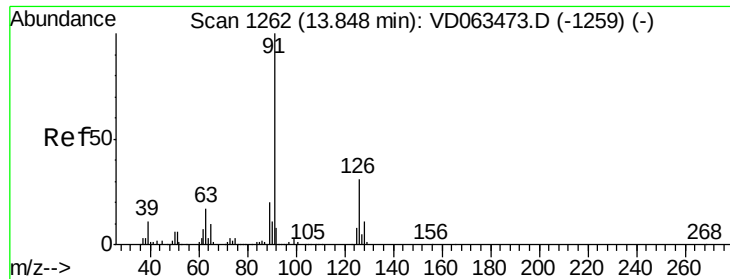
Tot Ion:156 Resp: 566042
Ion Ratio Lower Upper
156 100
77 137.6 64.6 193.8
158 99.8 50.9 152.7



#78
n-propylbenzene
Concen: 48.866 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063778.D
Acq: 23 Aug 2019 20:38

Tgt Ion: 91 Resp: 2209232
Ion Ratio Lower Upper
91 100
120 20.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 53.962 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

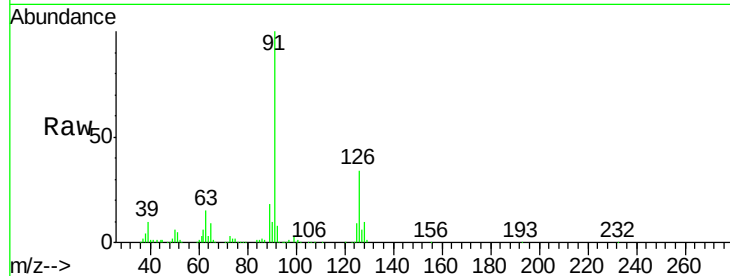
VSTDCCC050EC

Tot Ion: 91 Resp: 1406647

Ion Ratio Lower Upper

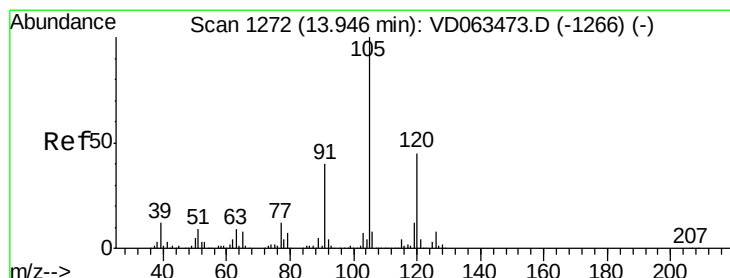
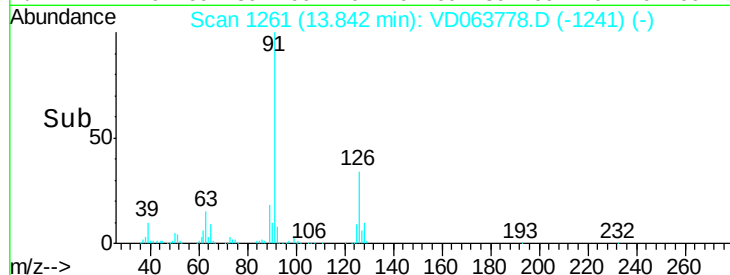
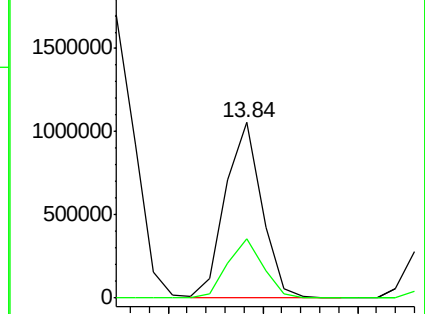
91 100

126 34.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 48.944 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063778.D

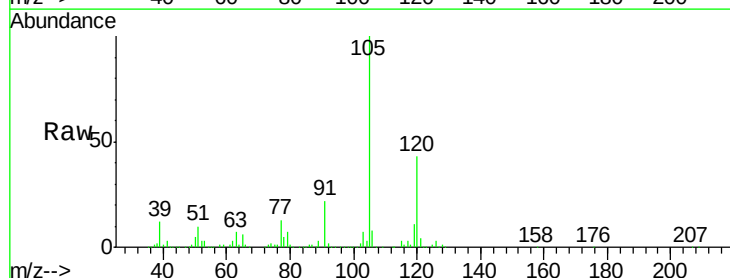
Acq: 23 Aug 2019 20:38

Tgt Ion:105 Resp: 1652417

Ion Ratio Lower Upper

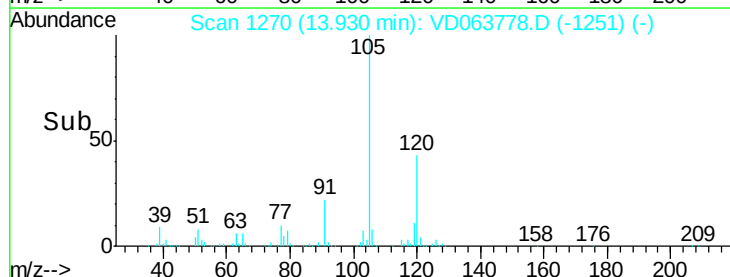
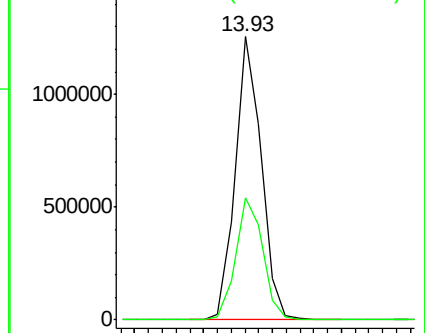
105 100

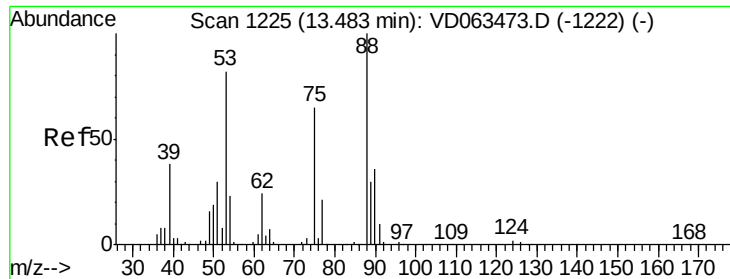
120 43.0 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.109 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

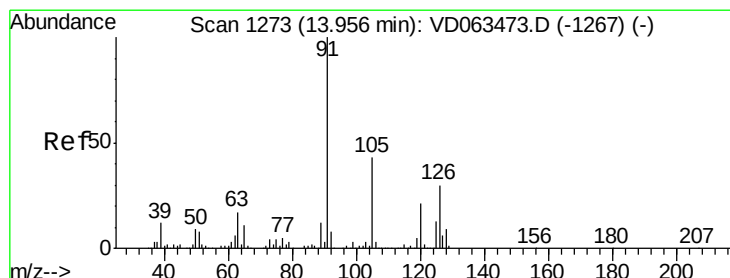
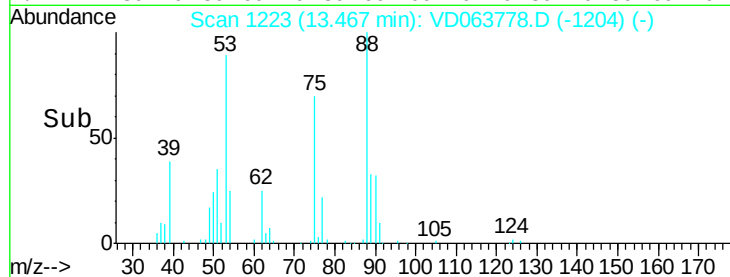
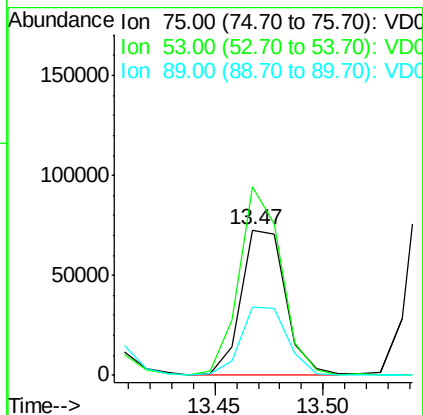
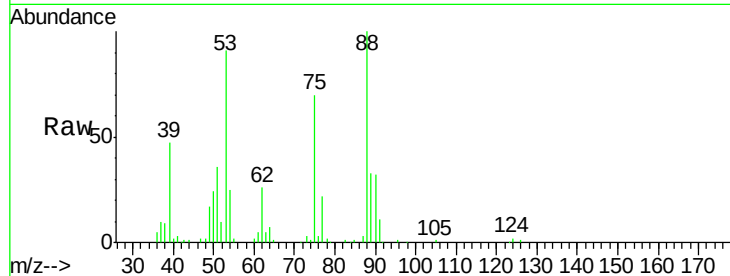
Tot Ion: 75 Resp: 105142

Ion Ratio Lower Upper

75 100

53 129.8 101.0 151.4

89 46.8 37.0 55.6



#82

4-Chlorotoluene

Concen: 52.250 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063778.D

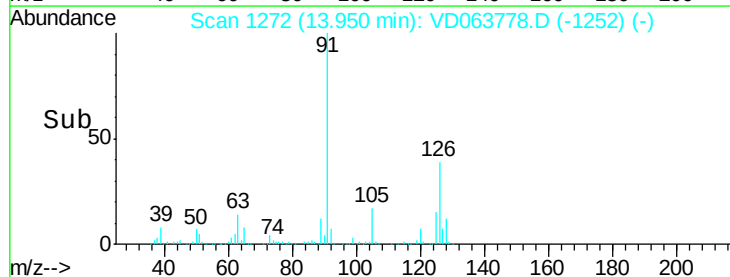
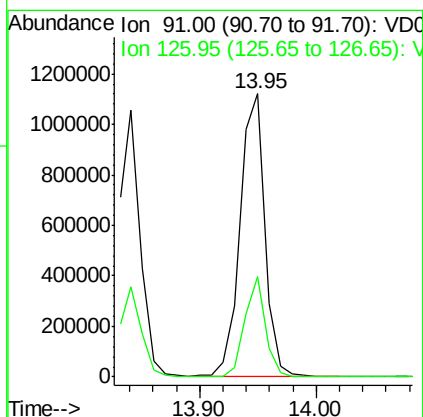
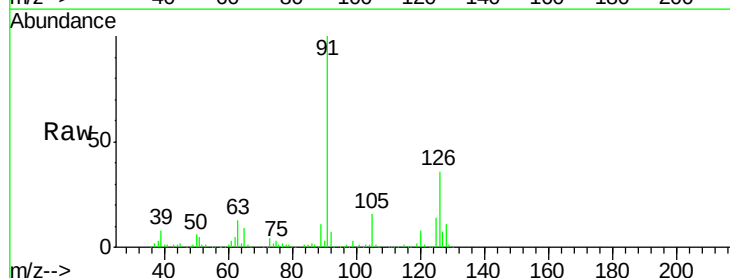
Acq: 23 Aug 2019 20:38

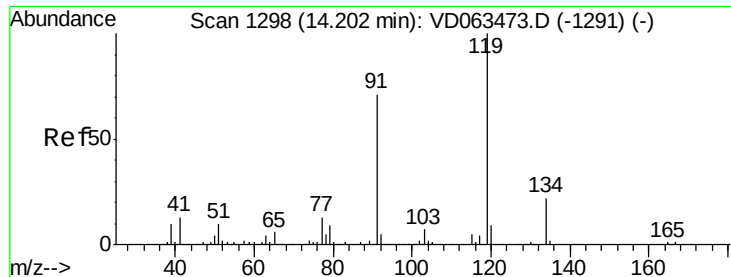
Tgt Ion: 91 Resp: 1637820

Ion Ratio Lower Upper

91 100

126 35.5 15.2 45.6





#83

tert-Butylbenzene

Concen: 54.349 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

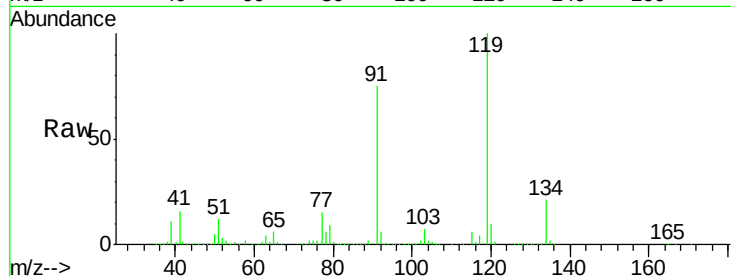
Tot Ion:119 Resp: 1932208

Ion Ratio Lower Upper

119 100

91 74.6 35.5 106.7

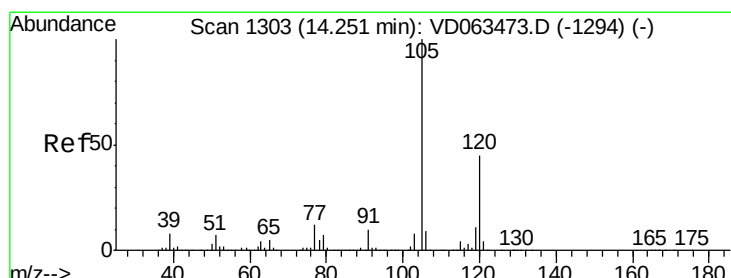
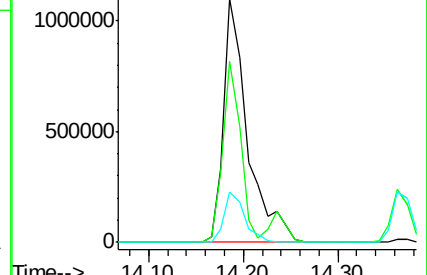
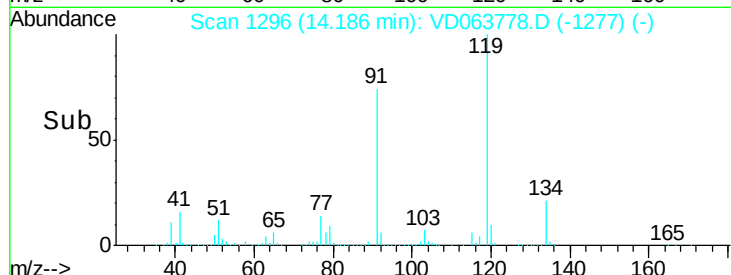
134 20.9 11.1 33.1



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: 50.493 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD063778.D

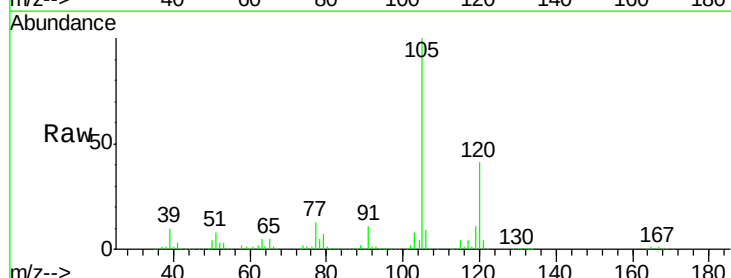
Acq: 23 Aug 2019 20:38

Tgt Ion:105 Resp: 1577302

Ion Ratio Lower Upper

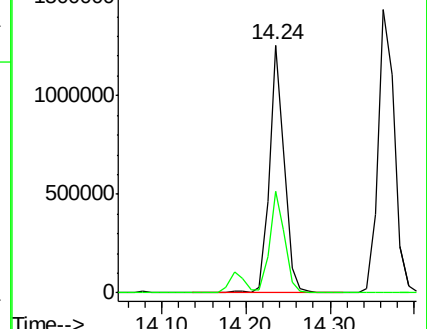
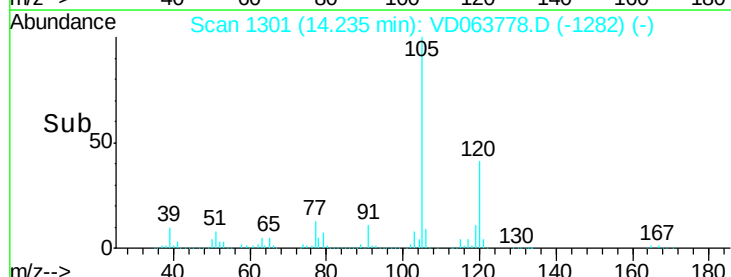
105 100

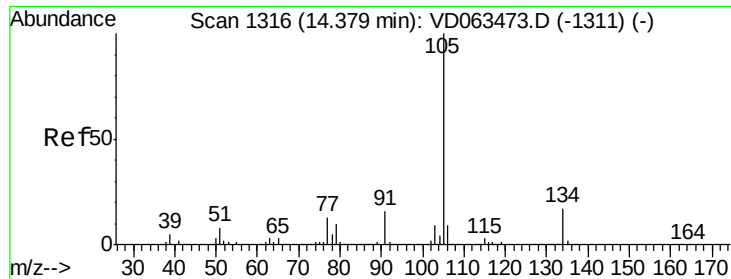
120 41.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

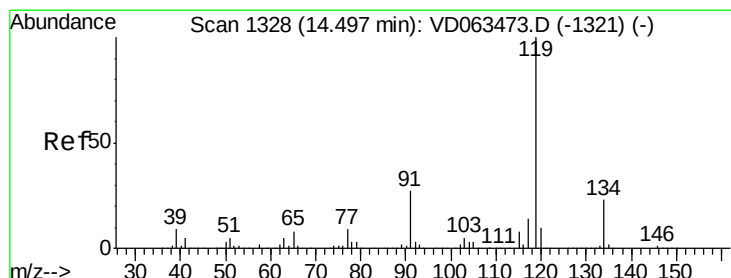
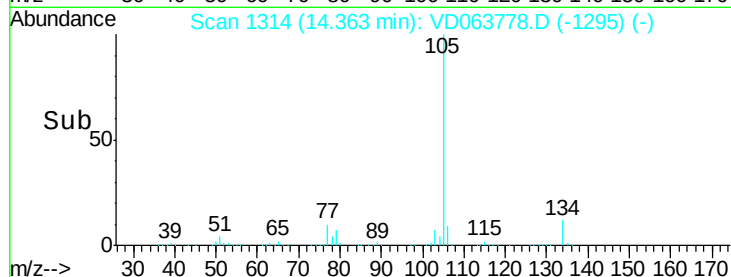
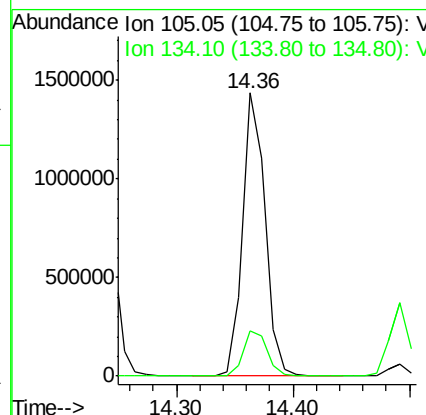
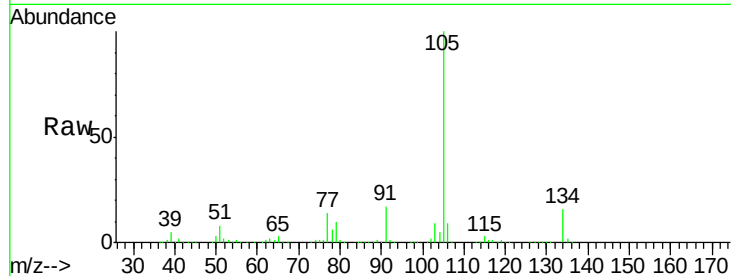




#85
 sec-Butylbenzene
 Concen: 50.637 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

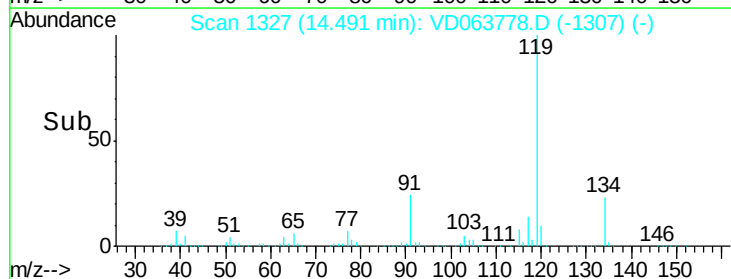
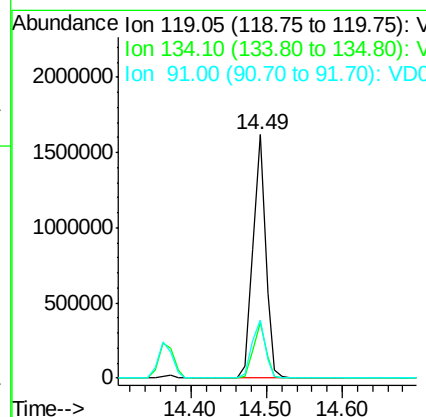
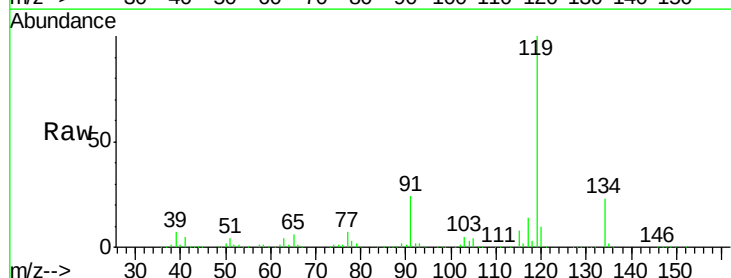
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

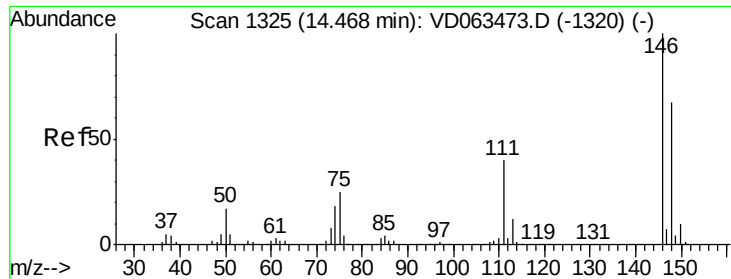
Tot Ion:105 Resp: 1911812
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 52.440 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion:119 Resp: 1893077
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.3 33.8
 91 24.0 13.5 40.4

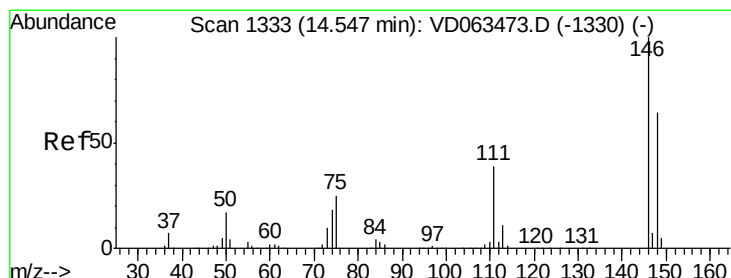
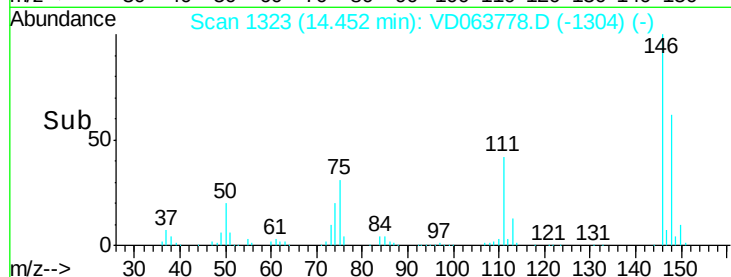
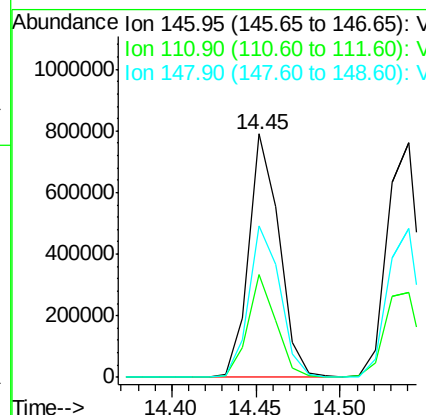
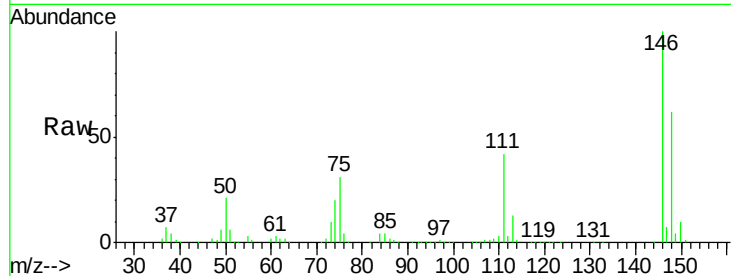




#87
 1,3-Dichlorobenzene
 Concen: 52.073 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

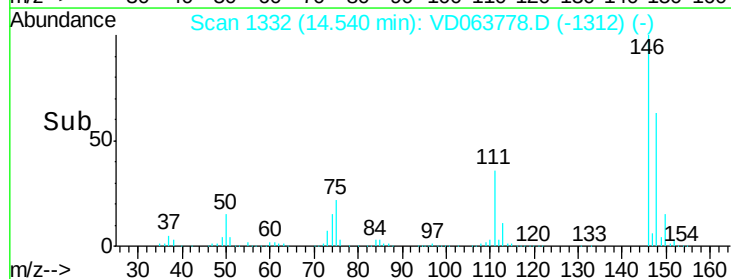
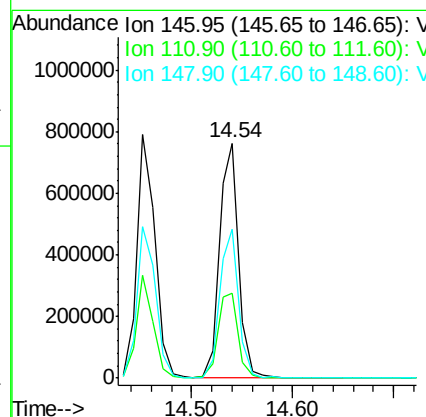
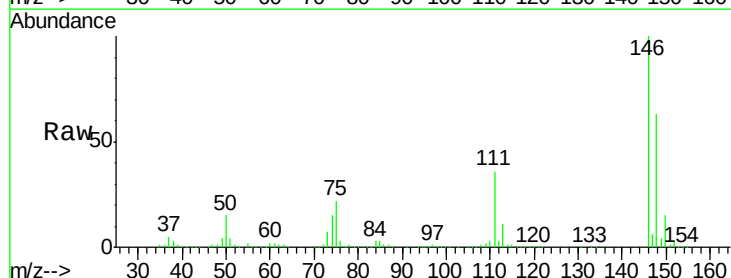
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

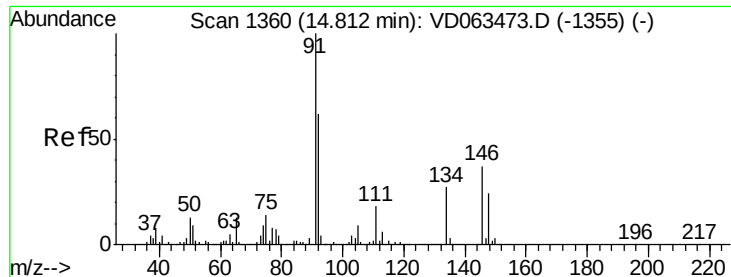
Tot Ion:146 Resp: 994683
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.0 60.0
 148 62.5 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 55.083 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion:146 Resp: 1009502
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.7 59.0
 148 63.4 32.1 96.3





#89

n-Butylbenzene

Concen: 53.693 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

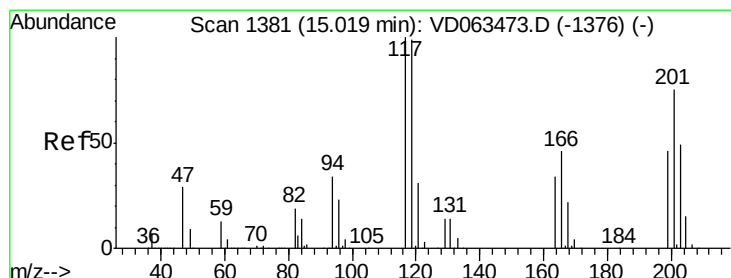
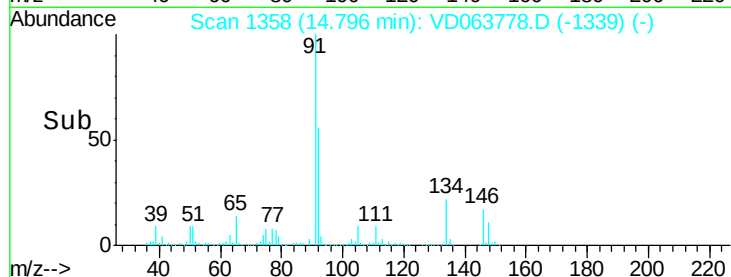
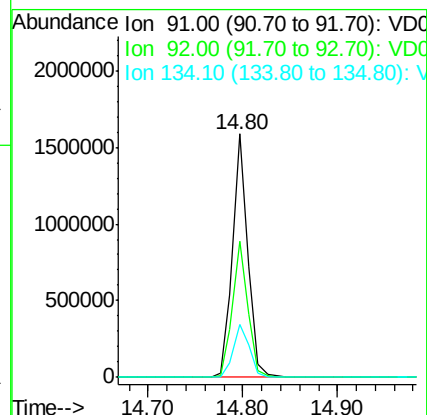
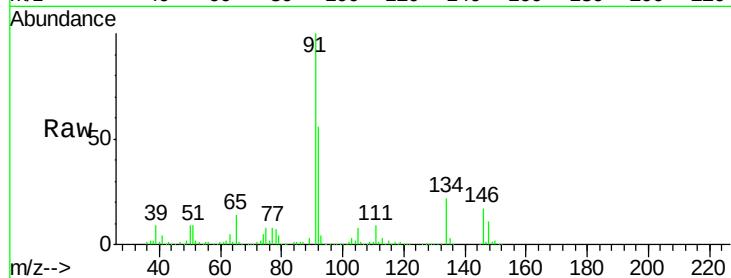
Tot Ion: 91 Resp: 1769058

Ion Ratio Lower Upper

91 100

92 55.9 30.8 92.3

134 21.7 13.4 40.2



#90

Hexachloroethane

Concen: 48.322 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063778.D

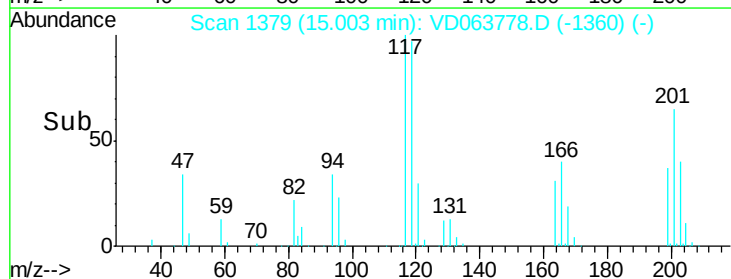
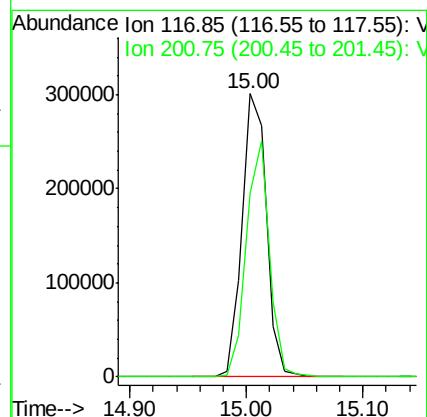
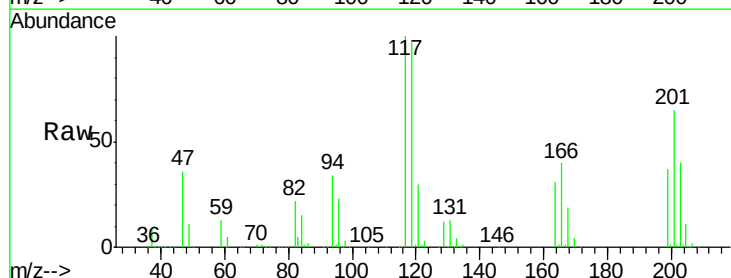
Acq: 23 Aug 2019 20:38

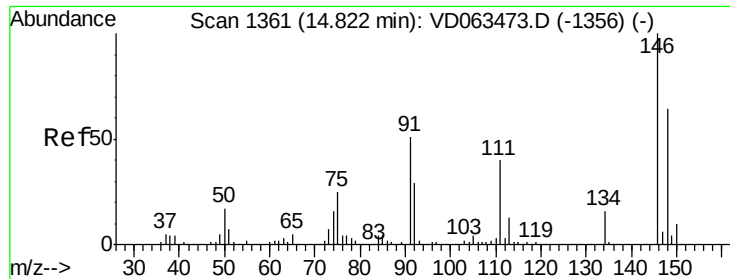
Tgt Ion: 117 Resp: 438451

Ion Ratio Lower Upper

117 100

201 65.0 37.5 112.5

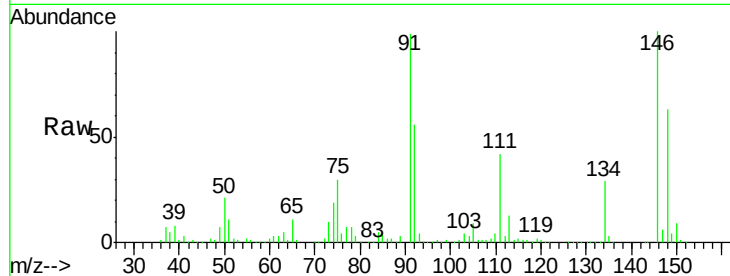




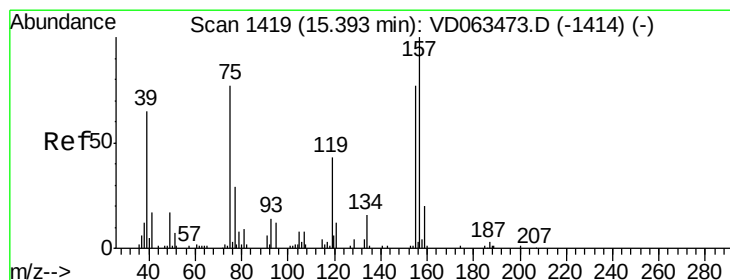
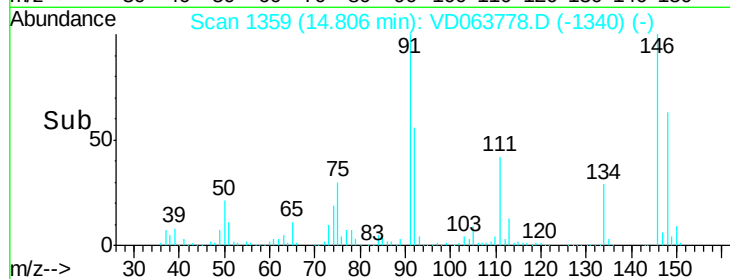
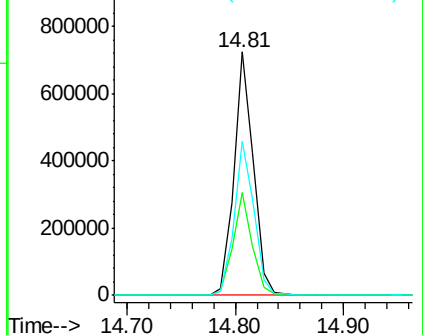
#91
 1,2-Dichlorobenzene
 Concen: 55.962 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 906943
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.2 60.6
 148 63.2 32.1 96.5

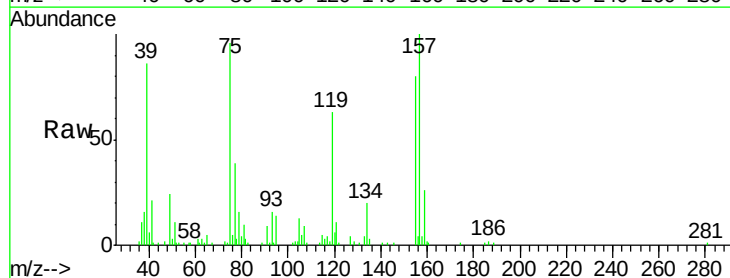


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

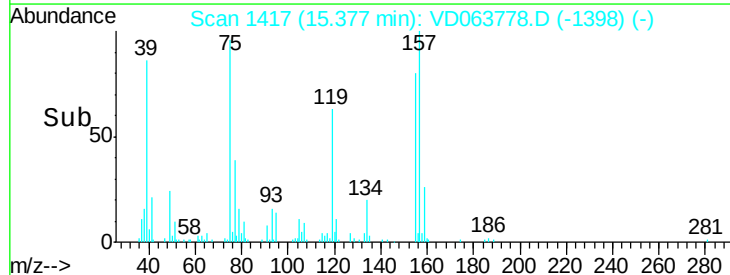
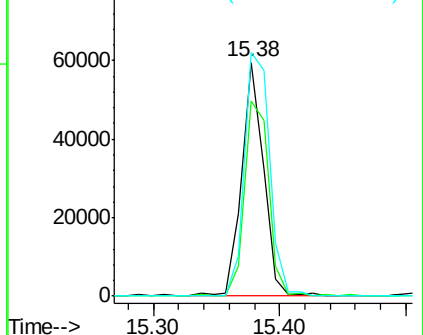


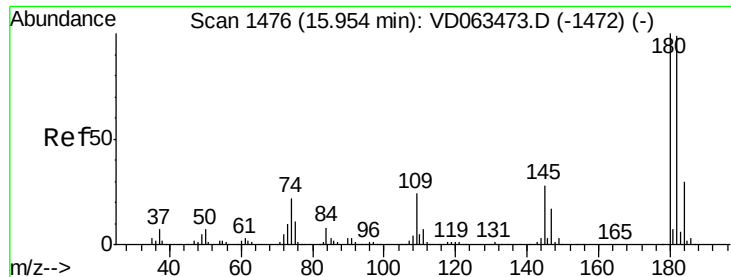
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.275 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion: 75 Resp: 71582
 Ion Ratio Lower Upper
 75 100
 155 83.4 50.1 150.3
 157 104.2 65.0 195.1



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

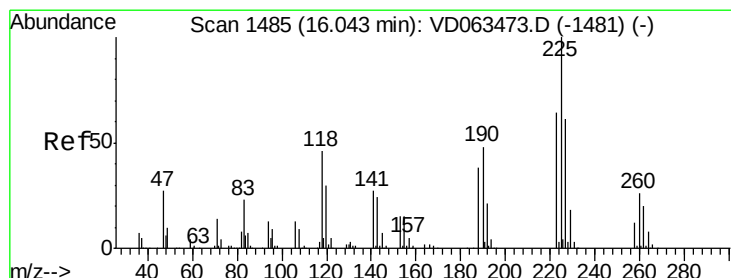
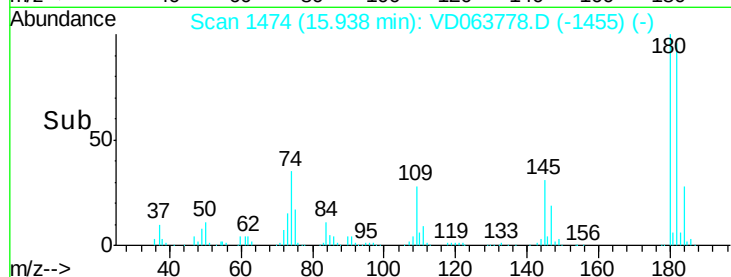
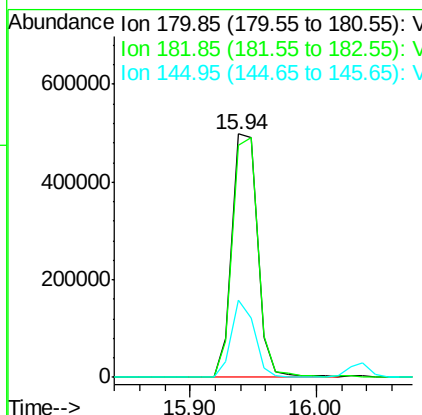
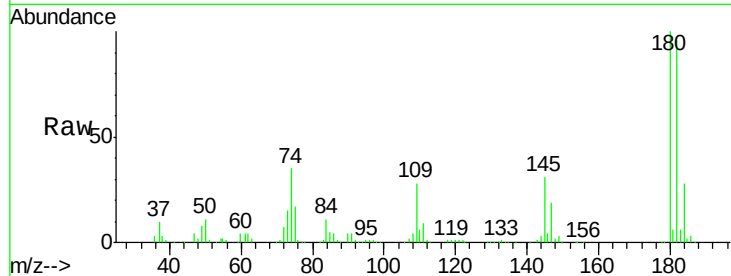




#93
 1,2,4-Trichlorobenzene
 Concen: 58.443 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

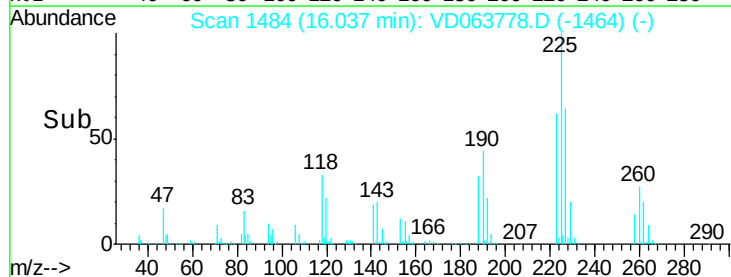
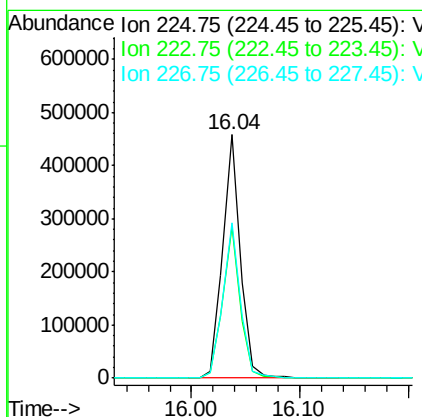
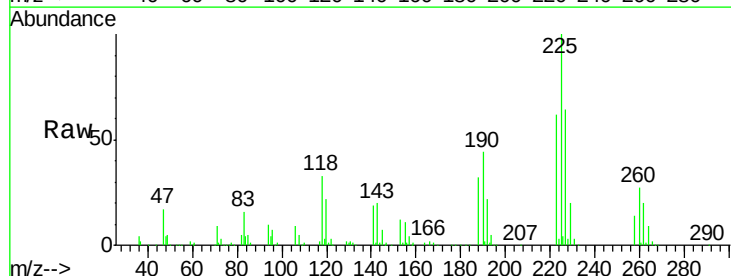
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

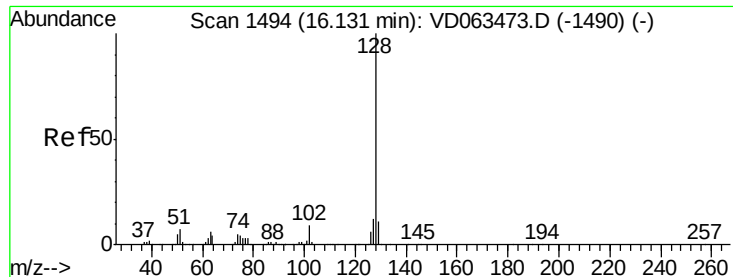
Tot Ion:180 Resp: 696941
 Ion Ratio Lower Upper
 180 100
 182 95.5 49.7 149.1
 145 31.5 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 57.385 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063778.D
 Acq: 23 Aug 2019 20:38

Tgt Ion:225 Resp: 521549
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.9 95.5
 227 64.0 30.7 92.1





#95

Naphthalene

Concen: 50.112 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

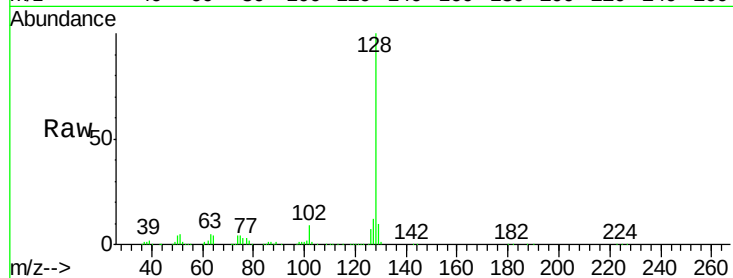
Tot Ion:128 Resp: 905659

Ion Ratio Lower Upper

128 100

127 12.3 9.4 14.0

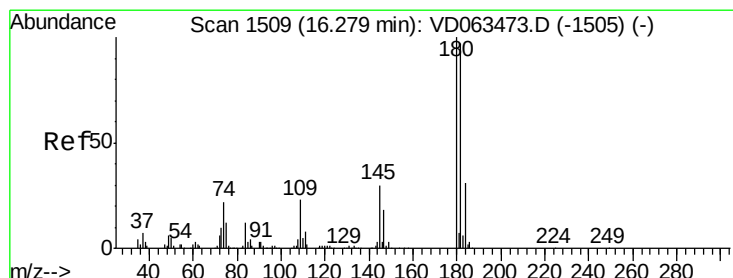
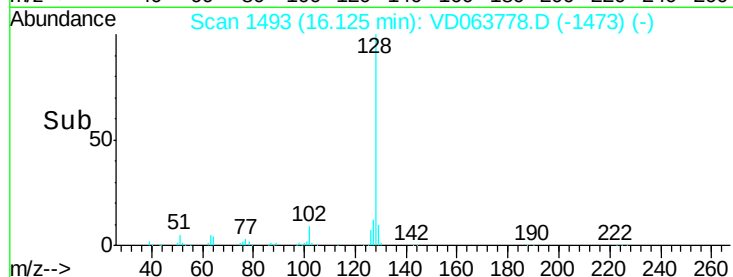
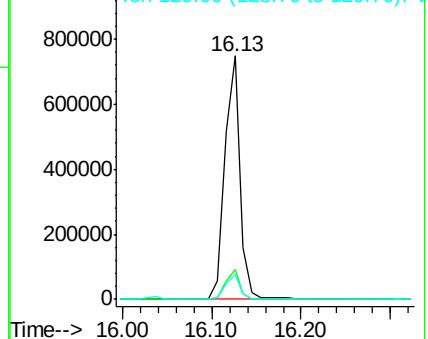
129 10.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 59.129 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD063778.D

Acq: 23 Aug 2019 20:38

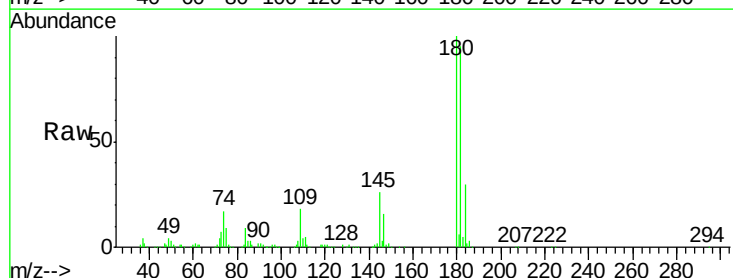
Tgt Ion:180 Resp: 569523

Ion Ratio Lower Upper

180 100

182 94.9 48.4 145.2

145 25.8 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

