

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063305.D
 Acq On : 1 Aug 2019 21:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 02 07:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1086377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1461874	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1216625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	609181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	547401	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	6.91	113	599669	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.39	98	1322421	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	13.54	95	552688	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	562837	42.384	ug/l	99
3) Chloromethane	1.74	50	478323	46.361	ug/l	97
4) Vinyl Chloride	1.84	62	510424	47.789	ug/l	99
5) Bromomethane	2.14	94	238778	44.327	ug/l	98
6) Chloroethane	2.25	64	218104	44.229	ug/l	97
7) Trichlorofluoromethane	2.52	101	932149	44.986	ug/l	97
8) Diethyl Ether	2.86	74	135679	46.787	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	569920	49.653	ug/l	96
10) Methyl Iodide	3.29	142	824619	49.732	ug/l	97
11) Tert butyl alcohol	4.06	59	119643	226.166	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	424004	50.319	ug/l	88
13) Acrolein	3.02	56	80450	158.019	ug/l	96
14) Allyl chloride	3.60	41	676249	50.378	ug/l	98
15) Acrylonitrile	4.18	53	366765	267.421	ug/l	96
16) Acetone	3.21	43	560520	238.655	ug/l	99
17) Carbon Disulfide	3.35	76	1356876	48.110	ug/l	99
18) Methyl Acetate	3.63	43	218173	48.361	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	983805	51.687	ug/l	98
20) Methylene Chloride	3.80	84	486130	51.206	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	489291	51.751	ug/l	93
22) Diisopropyl ether	5.11	45	1408787	52.530	ug/l	96
23) Vinyl Acetate	5.04	43	4142881	251.305	ug/l	97
24) 1,1-Dichloroethane	4.96	63	888290	51.854	ug/l	100
25) 2-Butanone	6.06	43	582098	246.957	ug/l	96
26) 2,2-Dichloropropane	6.01	77	859123	48.665	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	528309	52.118	ug/l	94
28) Bromochloromethane	6.43	49	340513	49.890	ug/l #	97
29) Tetrahydrofuran	6.45	42	268346	240.462	ug/l	99
30) Chloroform	6.65	83	1078243	50.719	ug/l	95
31) Cyclohexane	6.94	56	519100	48.344	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	1034875	50.327	ug/l	97
36) 1,1-Dichloropropene	7.13	75	676241	50.687	ug/l	97
37) Ethyl Acetate	6.17	43	304050	50.727	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1113220	55.425	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	577241	51.930	ug/l	93
40) Benzene	7.44	78	1542242	55.157	ug/l	99
41) Methacrylonitrile	6.43	41	357737	49.895	ug/l #	81
42) 1,2-Dichloroethane	7.57	62	769141	51.903	ug/l	100
43) Isopropyl Acetate	9.23	43	429132	56.049	ug/l #	99
44) Trichloroethene	8.52	130	604750	53.375	ug/l	100
45) 1,2-Dichloropropane	8.93	63	388684	54.690	ug/l	98
46) Dibromomethane	9.04	93	309507	52.376	ug/l	92
47) Bromodichloromethane	9.36	83	811326	53.860	ug/l	95
48) Methyl methacrylate	9.10	41	268069	53.985	ug/l	90
49) 1,4-Dioxane	9.06	88	48028	1142.351	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1409660	270.724	ug/l	99
52) Toluene	10.50	92	1035965	55.706	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	693352	53.389	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	733211	53.720	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	334674	53.285	ug/l	95
56) Ethyl methacrylate	11.03	69	379867	55.232	ug/l	93
57) 1,3-Dichloropropane	11.40	76	523689	52.919	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	888738	248.338	ug/l	96
59) 2-Hexanone	11.53	43	1023859	272.856	ug/l	99
60) Dibromochloromethane	11.67	129	642796	54.211	ug/l	99
61) 1,2-Dibromoethane	11.79	107	414939	53.539	ug/l	97
64) Tetrachloroethene	11.25	164	526127	54.282	ug/l	98
65) Chlorobenzene	12.39	112	1222790	52.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	559723	54.300	ug/l	96
67) Ethyl Benzene	12.52	91	2017451	50.749	ug/l	98
68) m/p-Xylenes	12.66	106	1571218	107.774	ug/l	95
69) o-Xylene	13.04	106	716754	53.538	ug/l	88
70) Styrene	13.06	104	1260173	53.077	ug/l	96
71) Bromoform	13.23	173	405260	54.062	ug/l	95
73) Isopropylbenzene	13.40	105	2193497	57.370	ug/l	96
74) N-amyl acetate	13.26	43	597371	59.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	384703	59.234	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	410981	56.168	ug/l	95
77) Bromobenzene	13.66	156	623443	57.240	ug/l	94
78) n-propylbenzene	13.77	91	2473828	54.370	ug/l	98
79) 2-Chlorotoluene	13.83	91	1439358	54.596	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1787853	54.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	99100	48.775	ug/l	96
82) 4-Chlorotoluene	13.94	91	1739771	56.073	ug/l	90
83) tert-Butylbenzene	14.18	119	2076559	55.150	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1792834	52.562	ug/l	97
85) sec-Butylbenzene	14.36	105	2112409	53.249	ug/l	99
86) p-Isopropyltoluene	14.48	119	1954359	51.616	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	1097269	56.887	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	1034621	53.045	ug/l	95
89) n-Butylbenzene	14.79	91	1806341	55.236	ug/l	98
90) Hexachloroethane	15.00	117	559804	56.747	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	930348	55.359	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	70554	53.332	ug/l	78

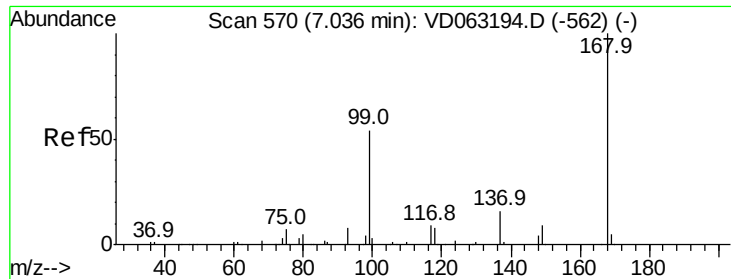
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	665463	49.915	ug/l	98
94) Hexachlorobutadiene	16.03	225	496543	51.394	ug/l	98
95) Naphthalene	16.11	128	1018650	54.059	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	591876	56.197	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

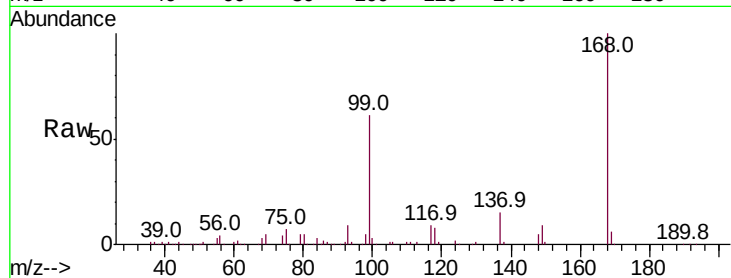
VSTDCCC050EC

Tot Ion:168 Resp: 1086377

Ion Ratio Lower Upper

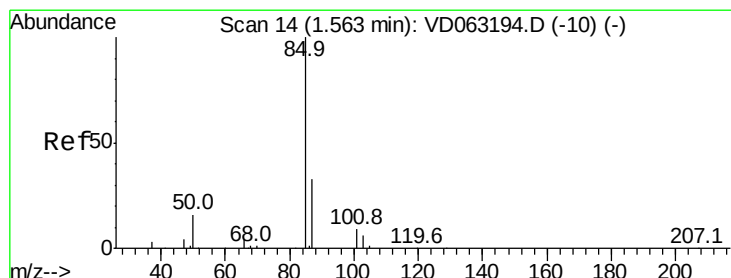
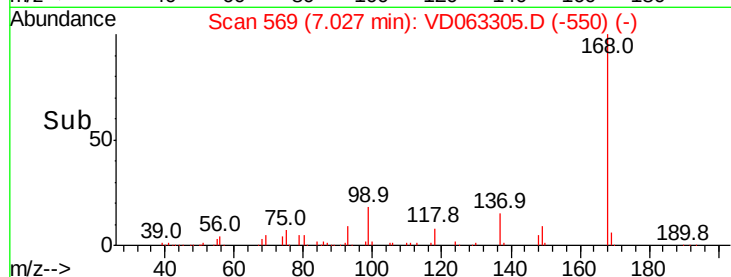
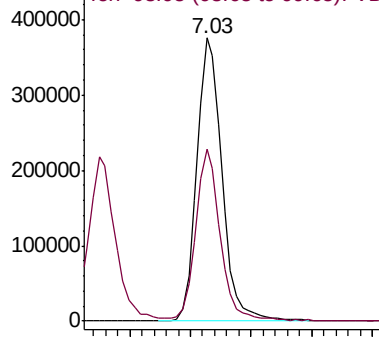
168 100

99 61.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.384 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063305.D

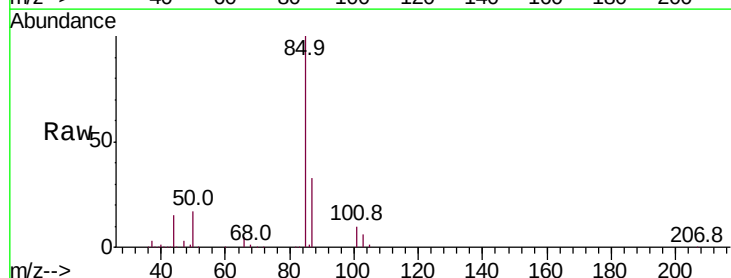
Acq: 1 Aug 2019 21:03

Tgt Ion: 85 Resp: 562837

Ion Ratio Lower Upper

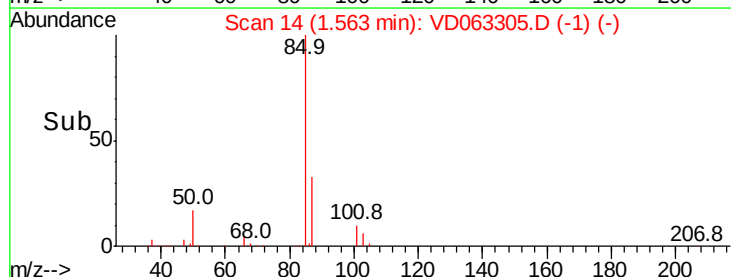
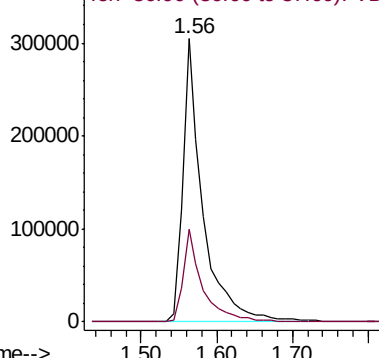
85 100

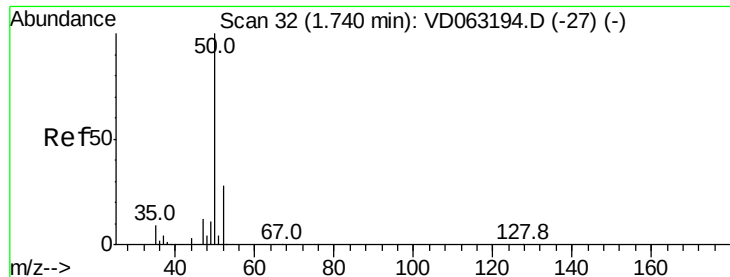
87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.361 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

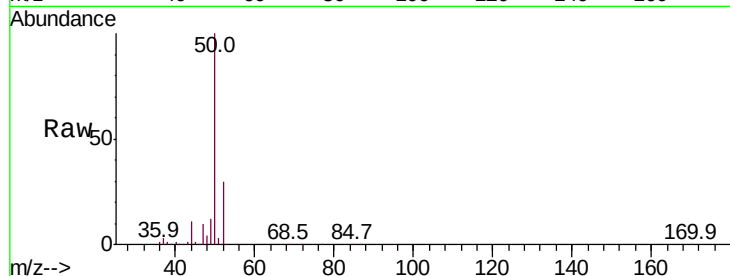
VSTDCCC050EC

Tot Ion: 50 Resp: 478323

Ion Ratio Lower Upper

50 100

52 30.0 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

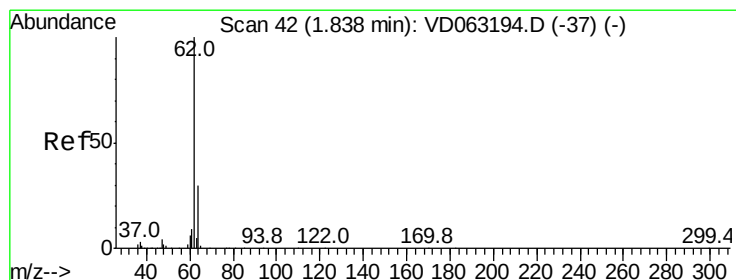
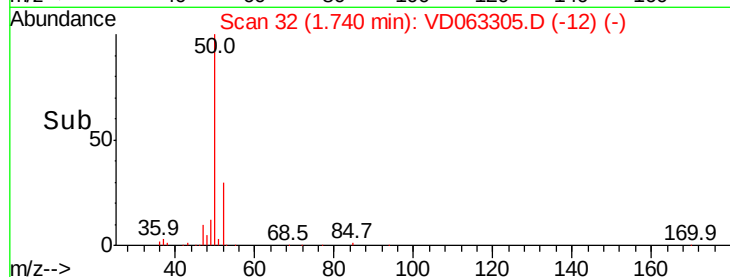
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 47.789 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063305.D

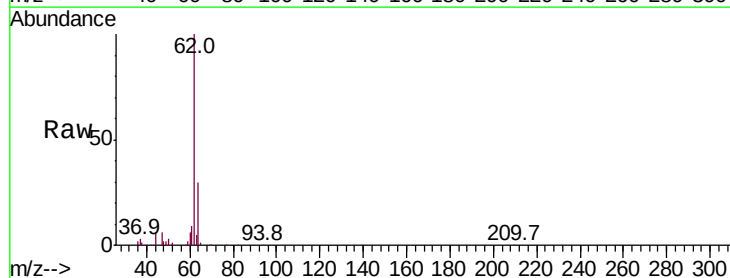
Acq: 1 Aug 2019 21:03

Tgt Ion: 62 Resp: 510424

Ion Ratio Lower Upper

62 100

64 29.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

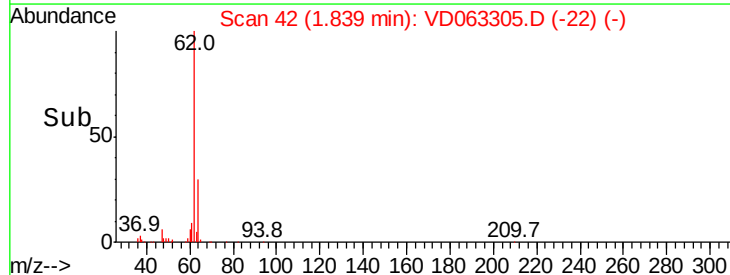
300000

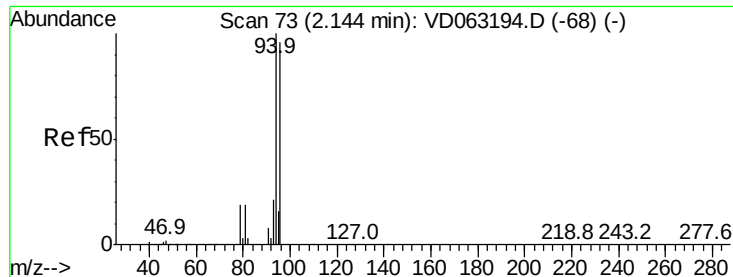
200000

100000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 44.327 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

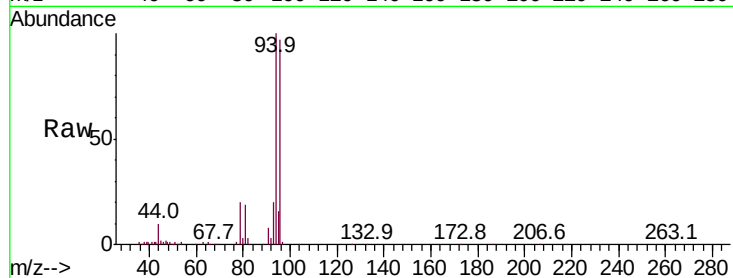
Tot Ion: 94 Resp: 238778

Ion Ratio Lower Upper

94 100

96 97.0 76.4 114.6

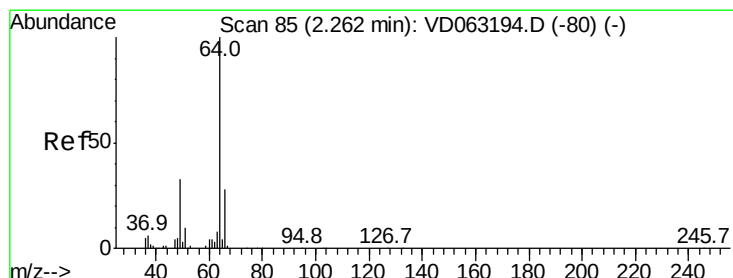
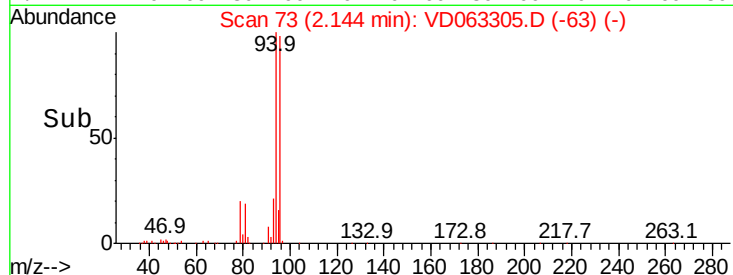
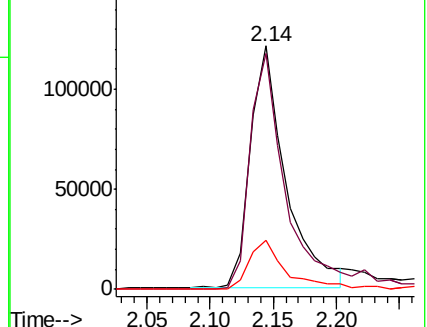
93 20.4 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 44.229 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063305.D

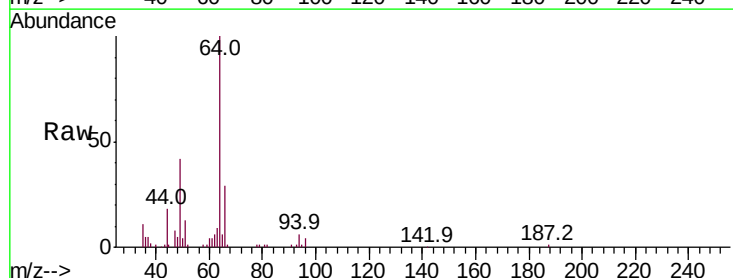
Acq: 1 Aug 2019 21:03

Tgt Ion: 64 Resp: 218104

Ion Ratio Lower Upper

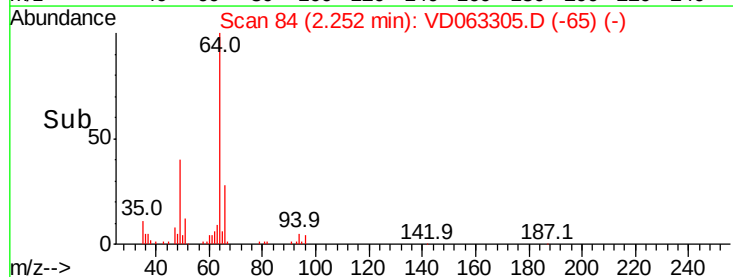
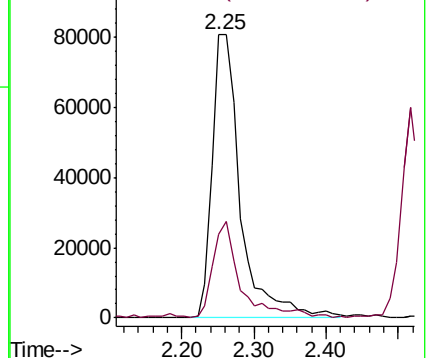
64 100

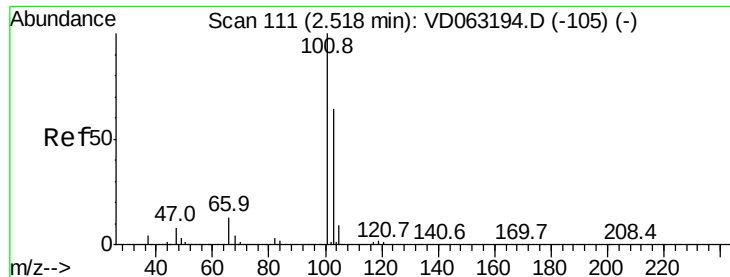
66 29.4 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



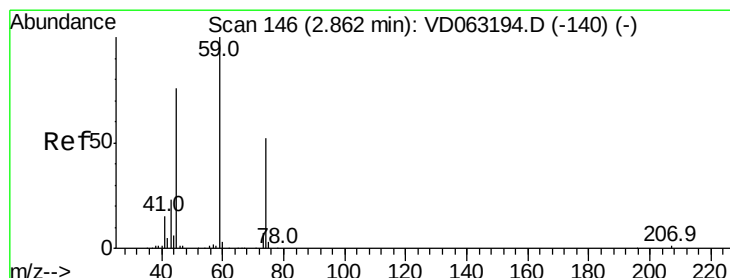
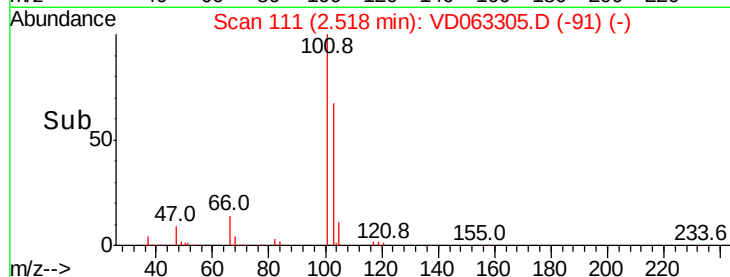
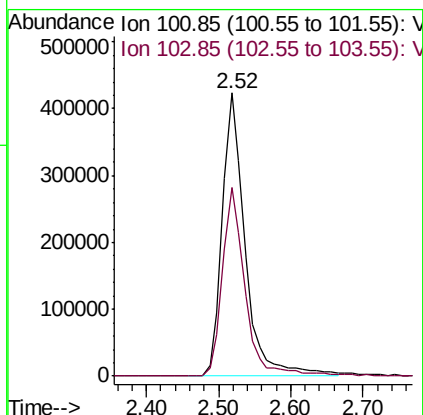
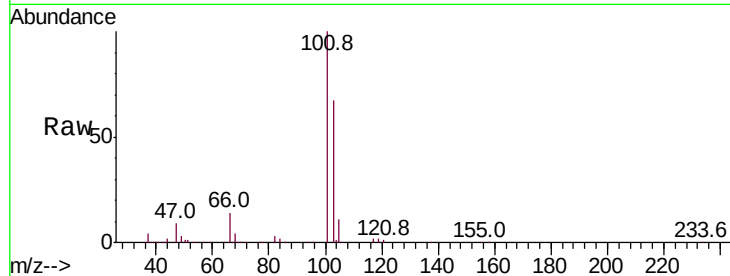


#7

Trichlorofluoromethane
Concen: 44.986 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Instrument :
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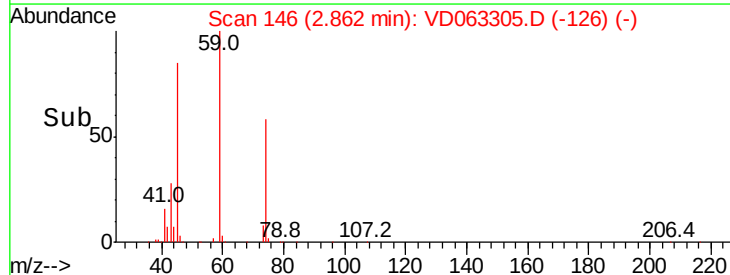
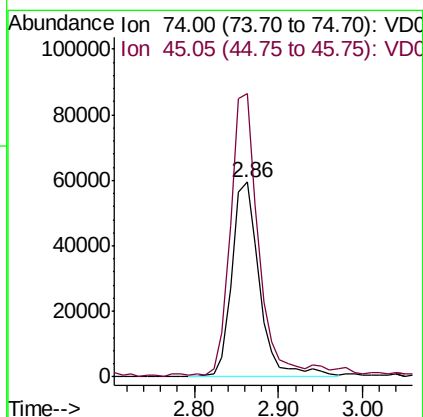
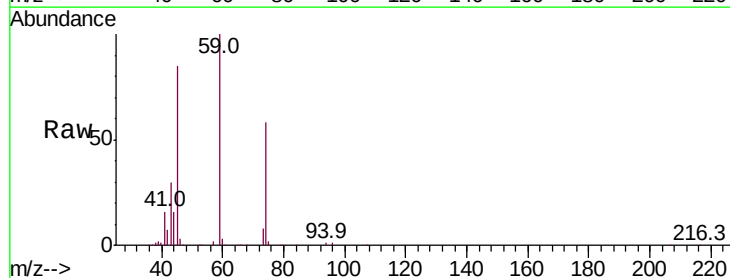
Tot Ion:101 Resp: 932149
Ion Ratio Lower Upper
101 100
103 66.8 51.5 77.3

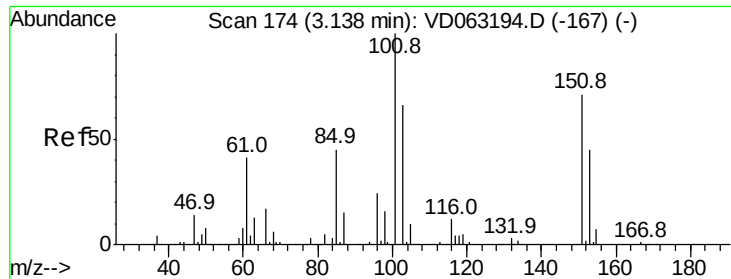


#8

Diethyl Ether
Concen: 46.787 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 74 Resp: 135679
Ion Ratio Lower Upper
74 100
45 145.4 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.653 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

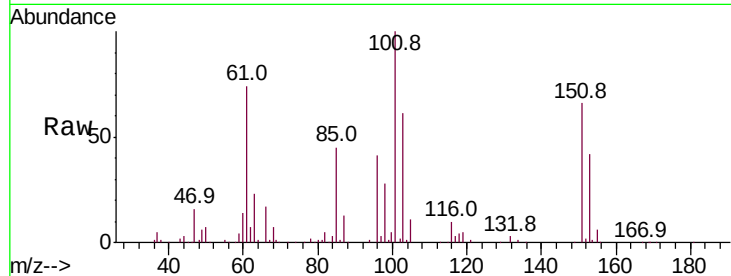
Tot Ion:101 Resp: 569920

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

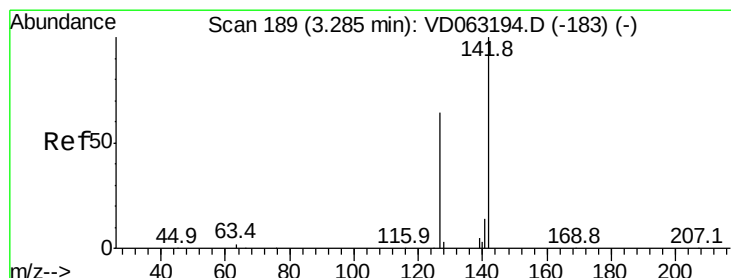
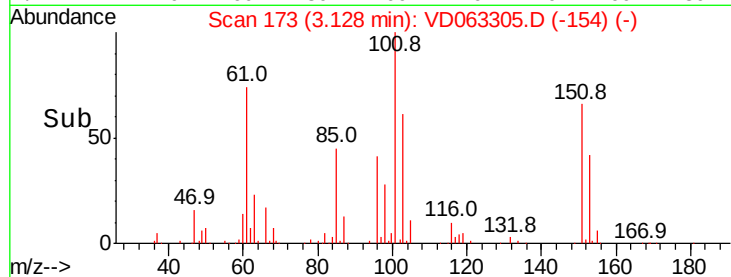
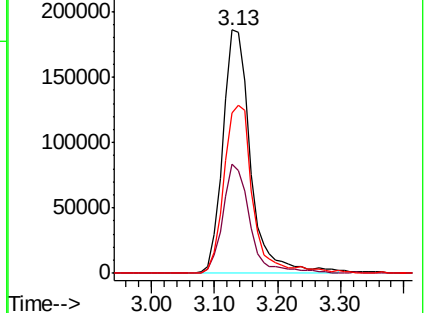
151 66.1 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.732 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

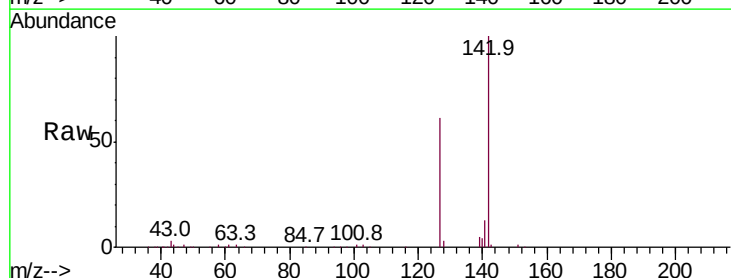
Tgt Ion:142 Resp: 824619

Ion Ratio Lower Upper

142 100

127 61.5 50.8 76.2

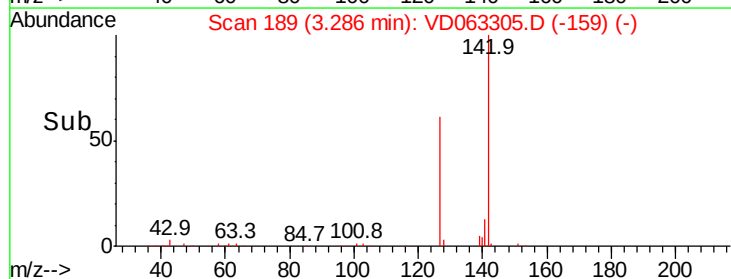
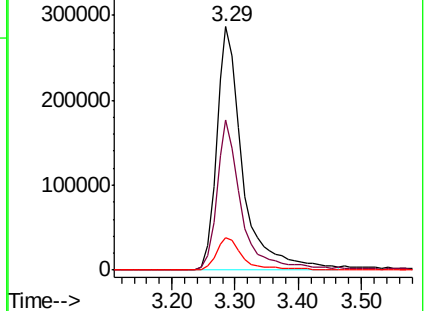
141 13.4 11.4 17.2

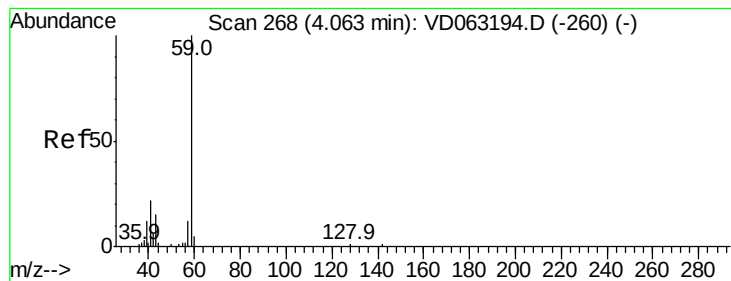


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



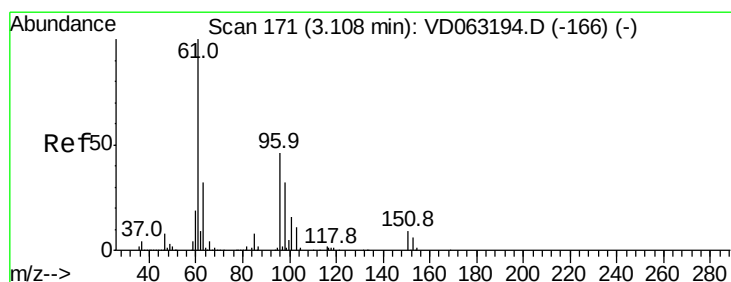
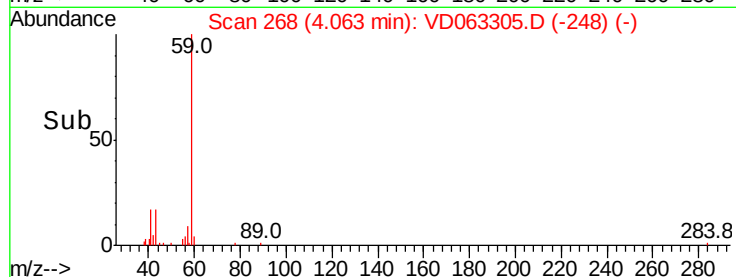
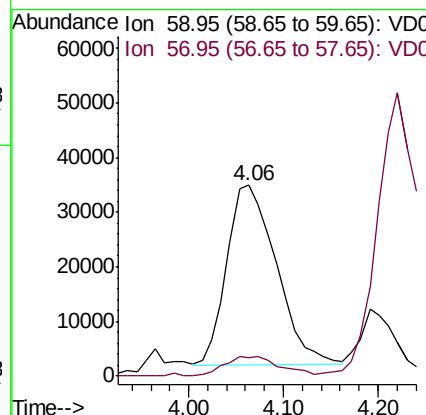
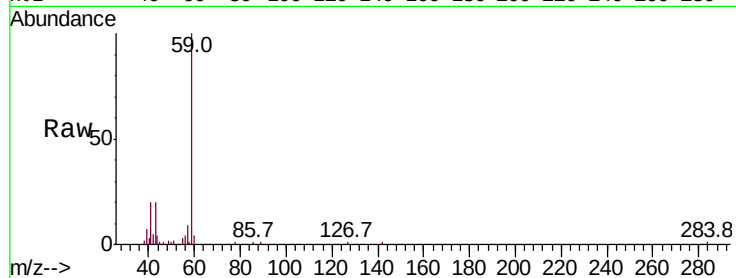


#11

Tert butyl alcohol
 Concen: 226.166 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

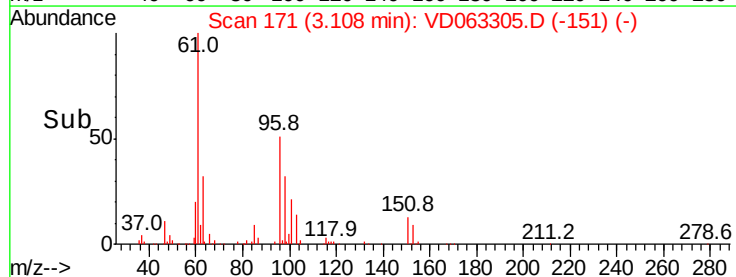
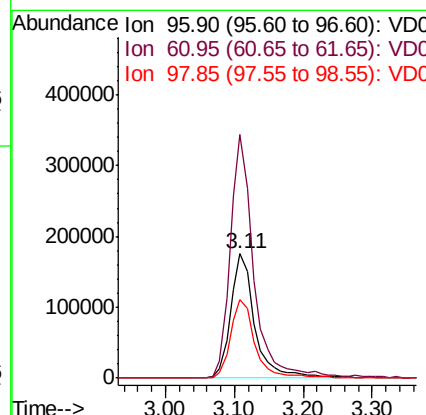
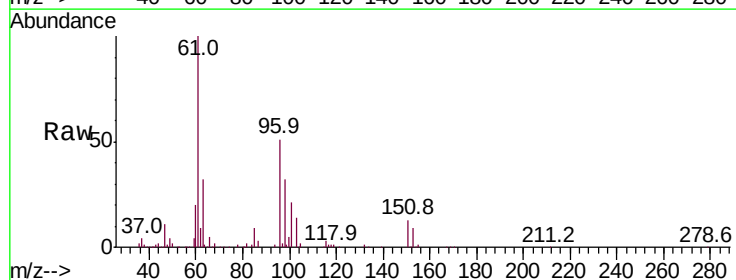
Tot Ion: 59 Resp: 119643
 Ion Ratio Lower Upper
 59 100
 57 9.5 9.6 14.4#

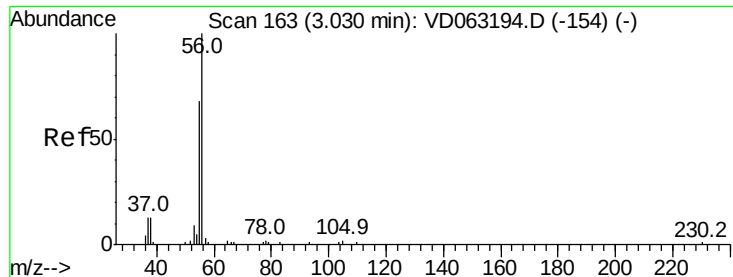


#12

1,1-Dichloroethene
 Concen: 50.319 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion: 96 Resp: 424004
 Ion Ratio Lower Upper
 96 100
 61 196.3 173.7 260.5
 98 63.3 55.8 83.8





#13

Acrolein

Concen: 158.019 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

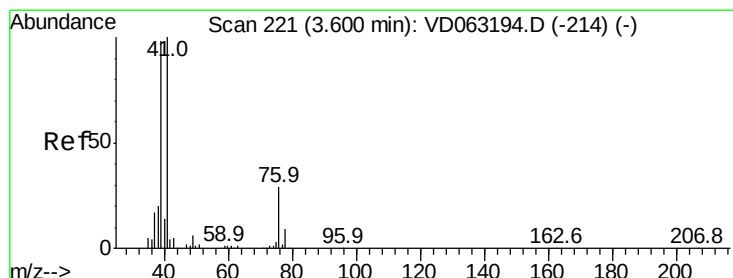
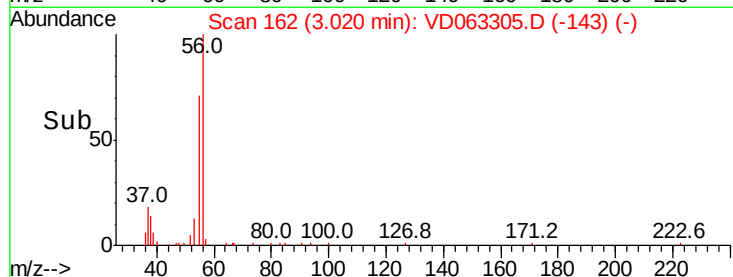
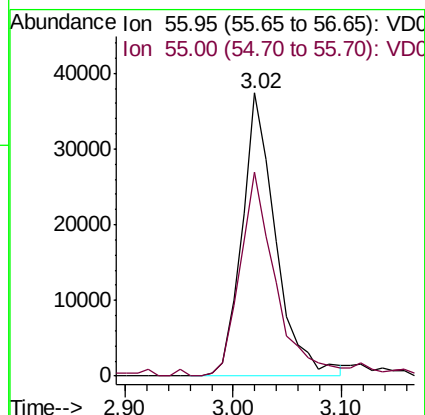
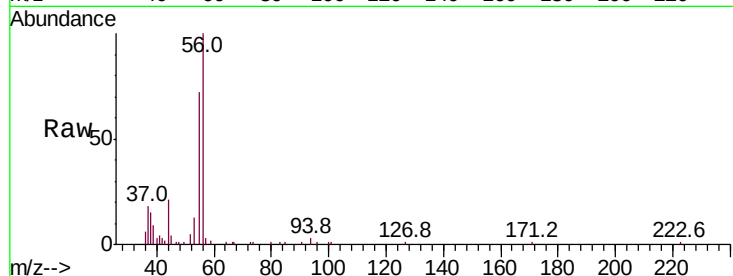
VSTDCCC050EC

Tot Ion: 56 Resp: 80450

Ion Ratio Lower Upper

56 100

55 72.2 55.3 82.9



#14

Allyl chloride

Concen: 50.378 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

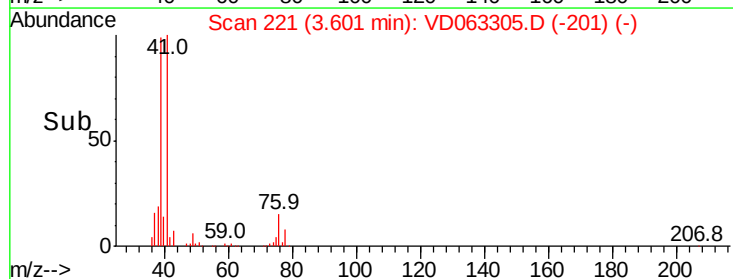
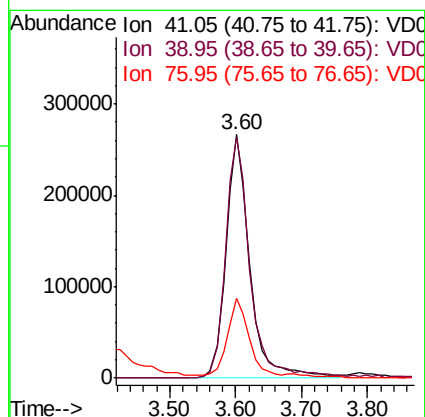
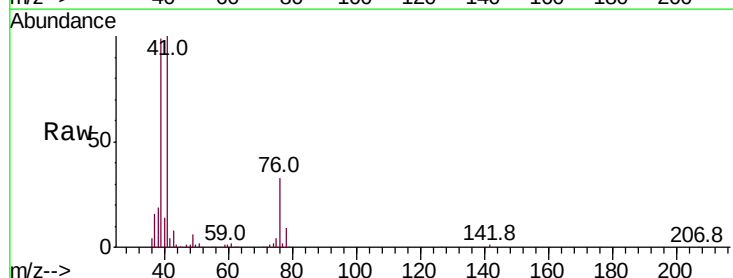
Tgt Ion: 41 Resp: 676249

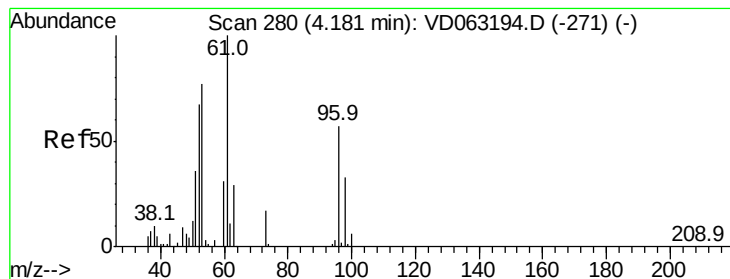
Ion Ratio Lower Upper

41 100

39 99.0 78.6 117.8

76 33.0 24.5 36.7





#15

Acrylonitrile

Concen: 267.421 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

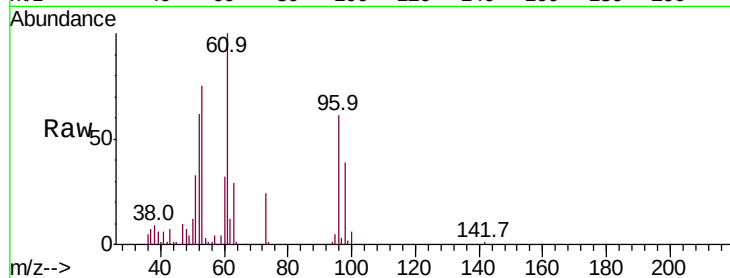
Tot Ion: 53 Resp: 366765

Ion Ratio Lower Upper

53 100

52 83.3 69.7 104.5

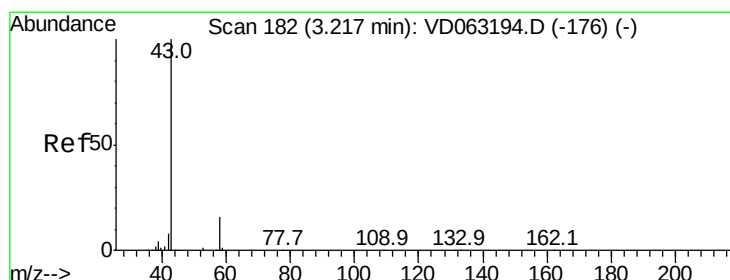
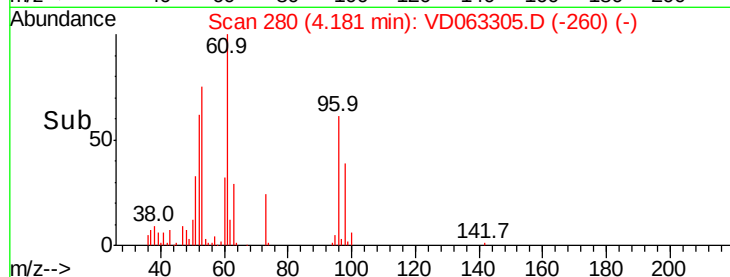
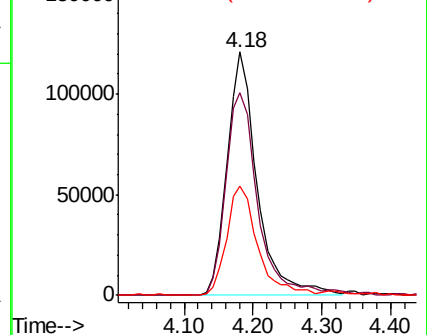
51 44.7 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 238.655 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063305.D

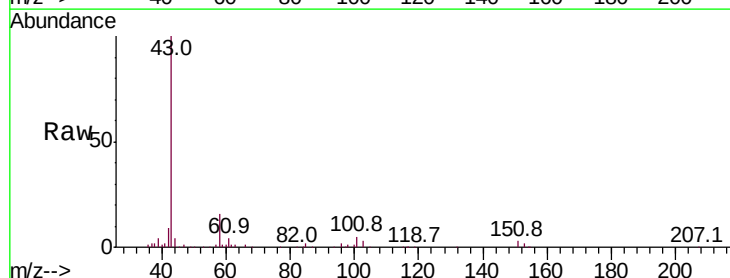
Acq: 1 Aug 2019 21:03

Tgt Ion: 43 Resp: 560520

Ion Ratio Lower Upper

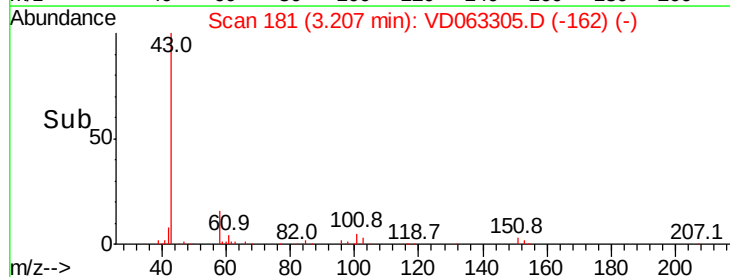
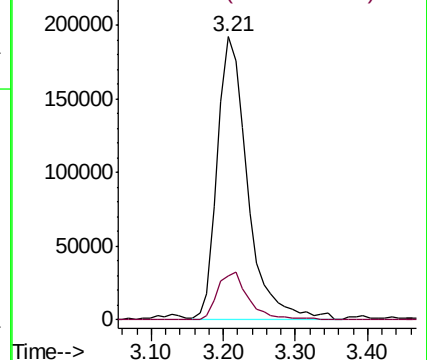
43 100

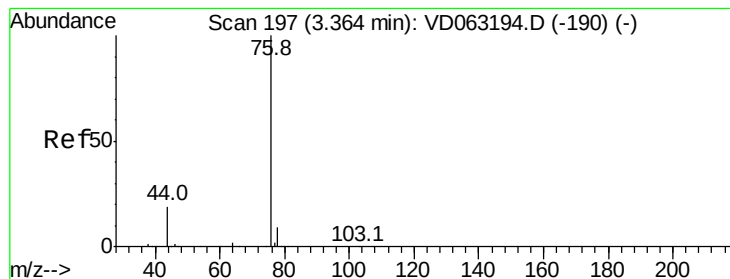
58 15.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.110 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

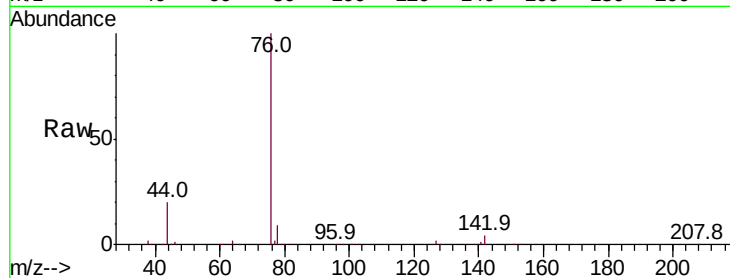
VSTDCCC050EC

Tot Ion: 76 Resp: 1356876

Ion Ratio Lower Upper

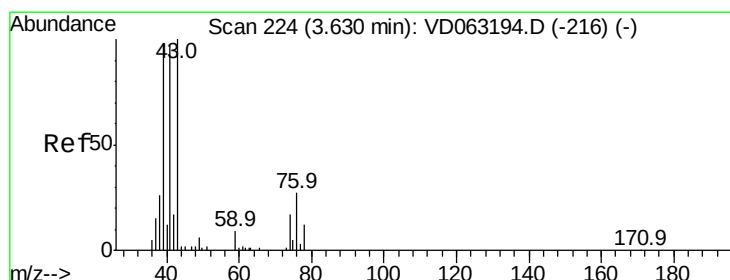
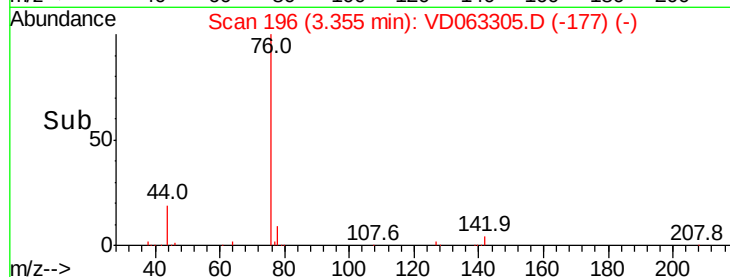
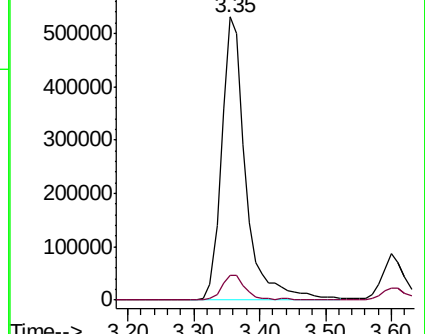
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 48.361 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063305.D

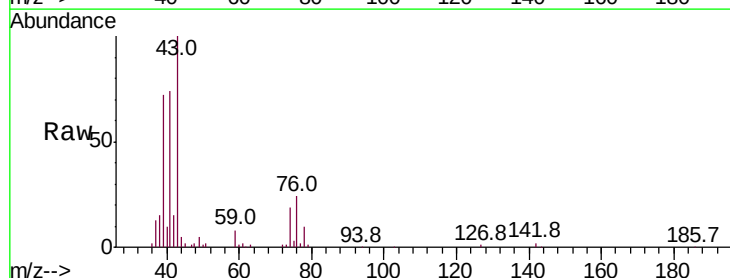
Acq: 1 Aug 2019 21:03

Tgt Ion: 43 Resp: 218173

Ion Ratio Lower Upper

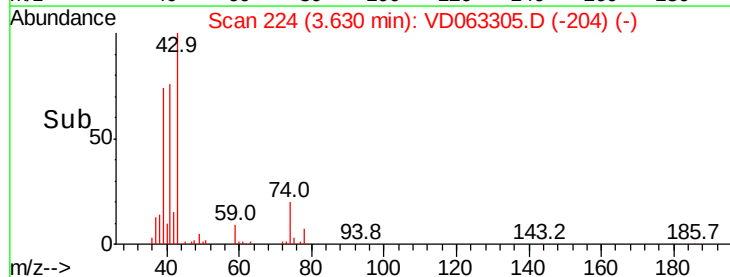
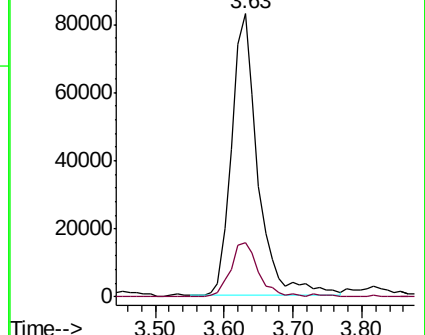
43 100

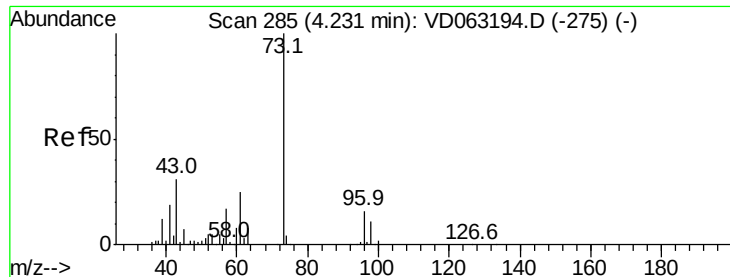
74 19.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

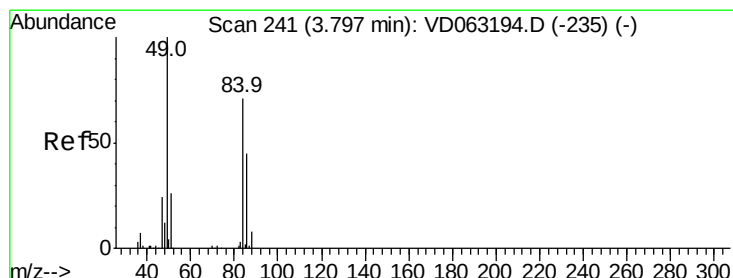
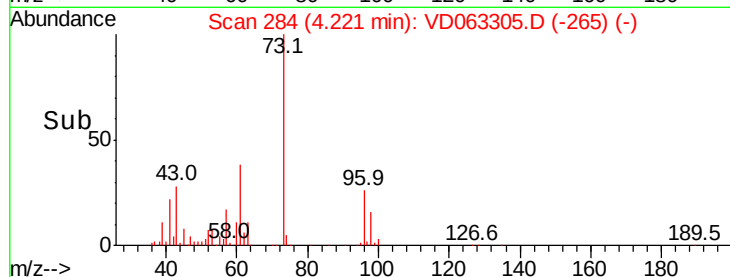
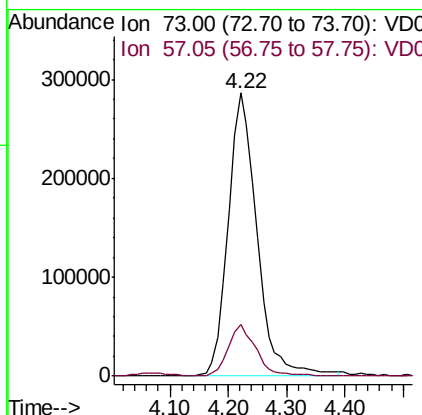
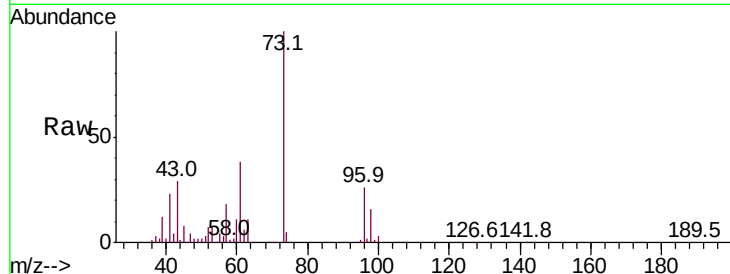




#19
Methyl tert-butyl Ether
Concen: 51.687 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

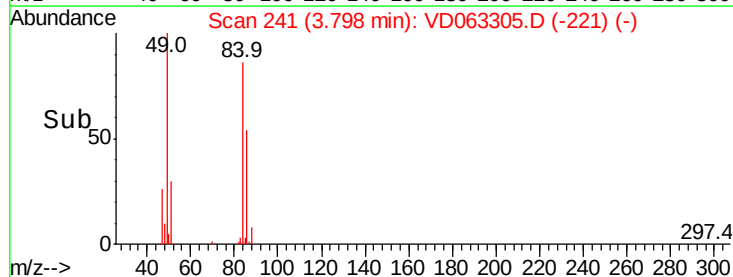
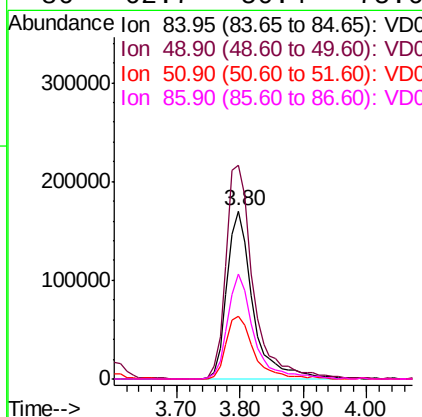
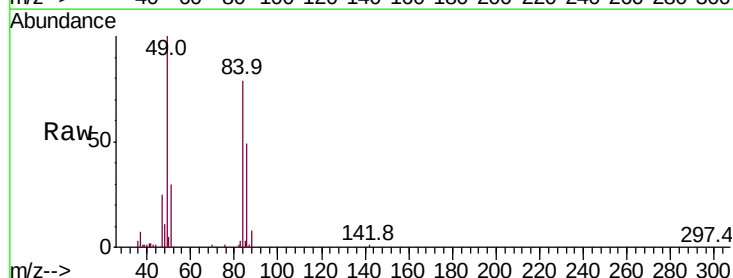
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

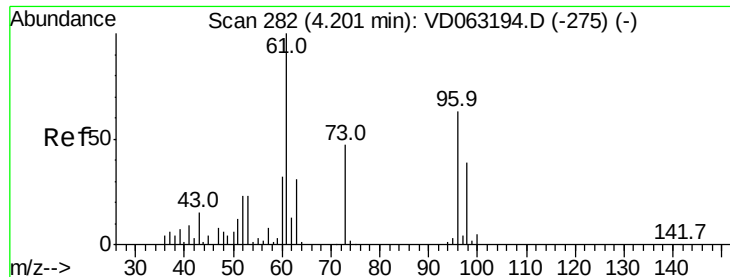
Tot Ion: 73 Resp: 983805
Ion Ratio Lower Upper
73 100
57 18.1 13.8 20.6



#20
Methylene Chloride
Concen: 51.206 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 84 Resp: 486130
Ion Ratio Lower Upper
84 100
49 127.0 112.5 168.7
51 37.6 29.6 44.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 51.751 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

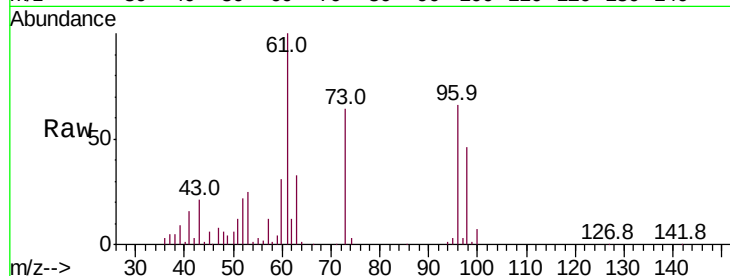
Tot Ion: 96 Resp: 489291

Ion Ratio Lower Upper

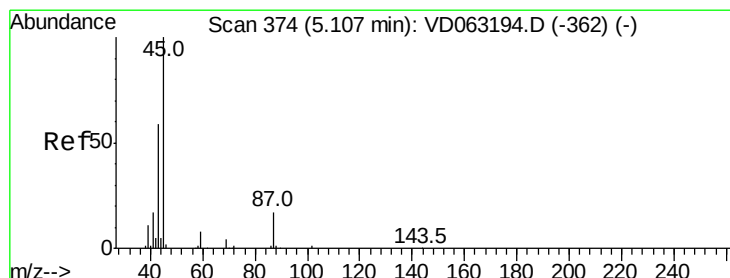
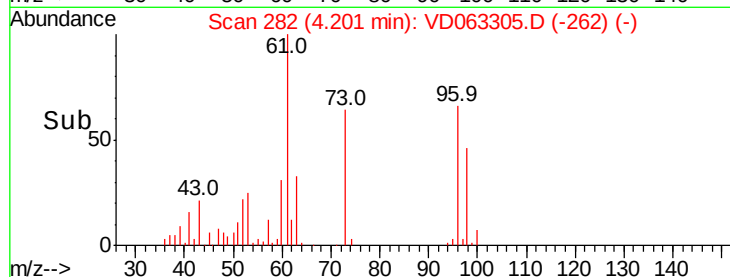
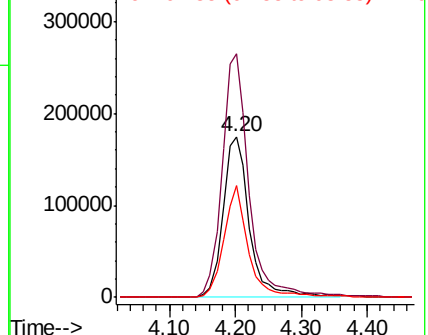
96 100

61 151.7 127.4 191.2

98 69.3 49.3 73.9



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



#22

Diisopropyl ether

Concen: 52.530 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Tgt Ion: 45 Resp: 1408787

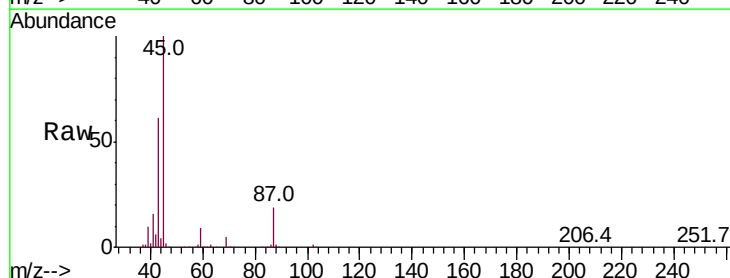
Ion Ratio Lower Upper

45 100

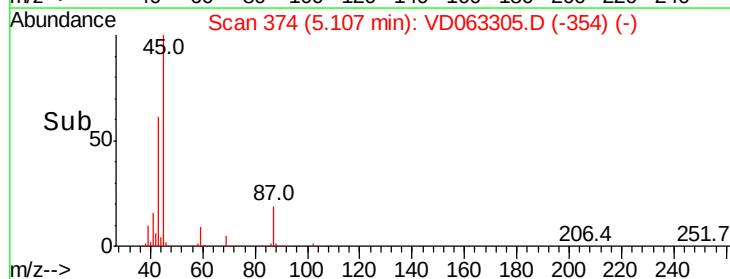
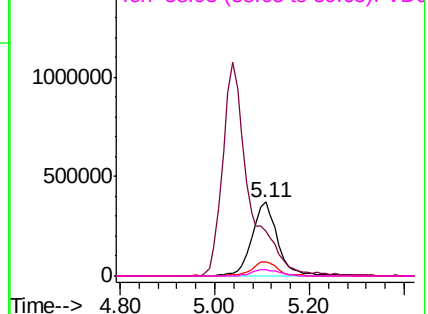
43 60.9 51.7 77.5

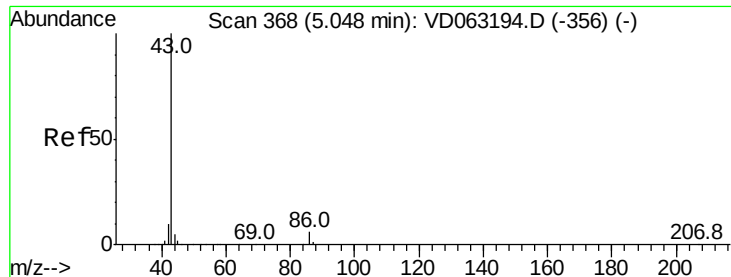
87 18.9 14.6 21.8

59 8.9 6.6 10.0



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





#23

Vinyl Acetate

Concen: 251.305 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

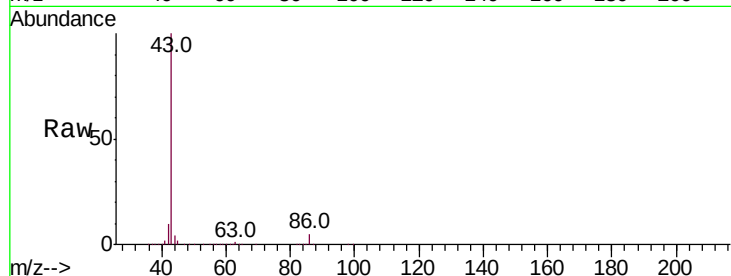
VSTDCCC050EC

Tot Ion: 43 Resp: 4142881

Ion Ratio Lower Upper

43 100

86 5.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

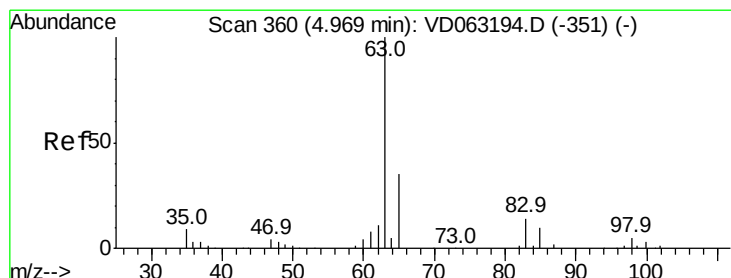
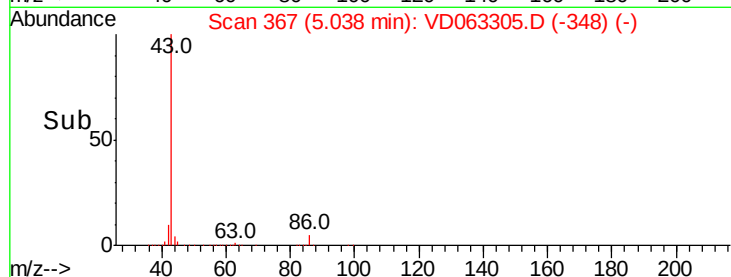
200000

0

5.04

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 51.854 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

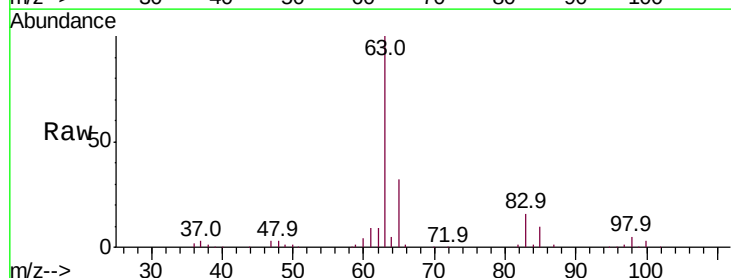
Tgt Ion: 63 Resp: 888290

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 2.6 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

200000

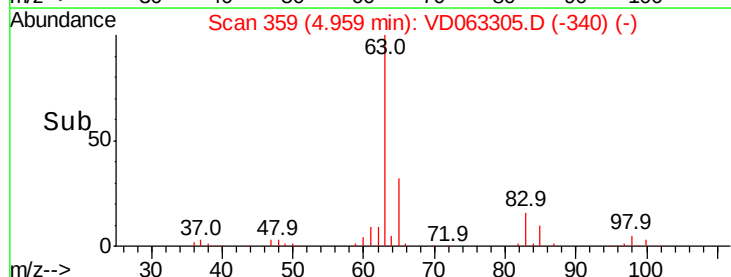
100000

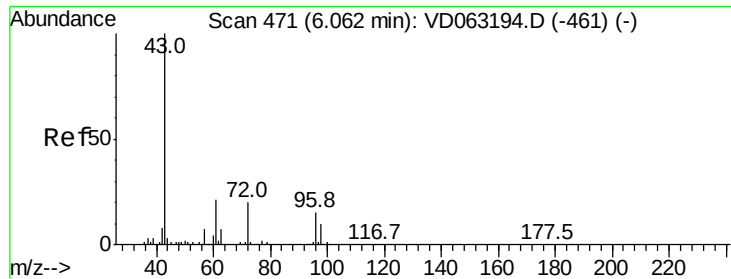
0

4.96

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 246.957 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

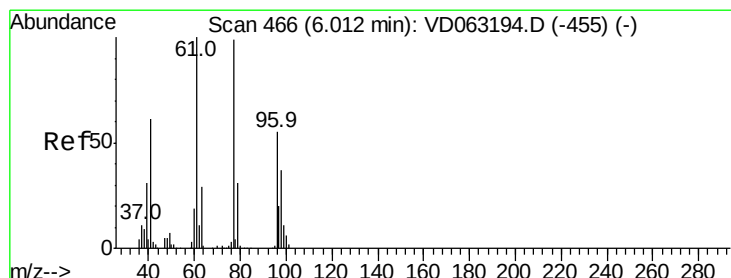
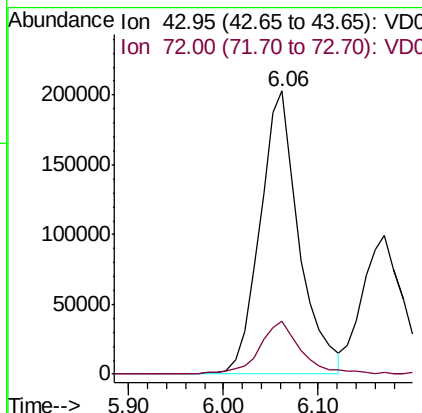
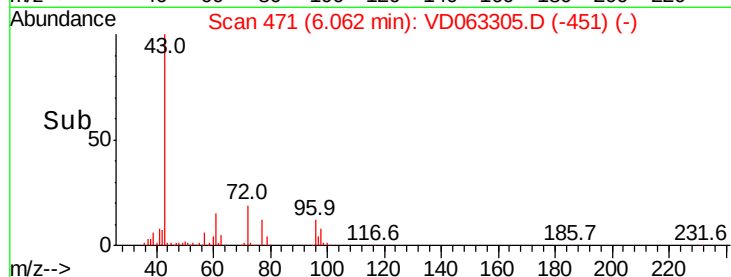
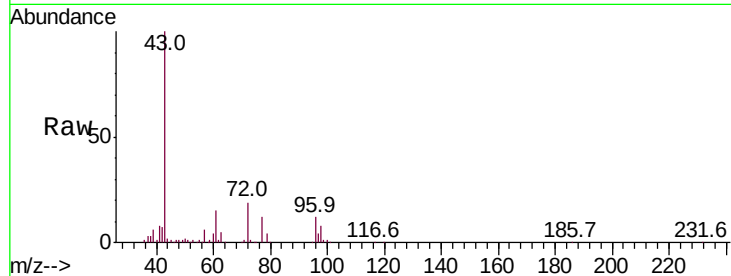
VSTDCCC050EC

Tot Ion: 43 Resp: 582098

Ion Ratio Lower Upper

43 100

72 18.6 16.3 24.5



#26

2,2-Dichloropropane

Concen: 48.665 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063305.D

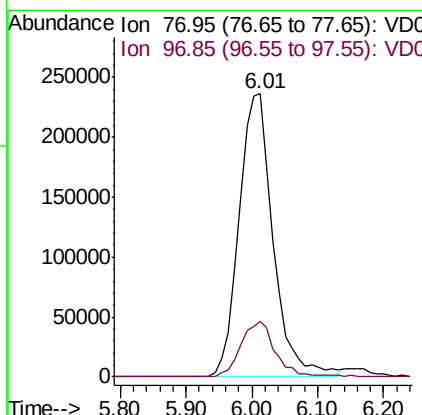
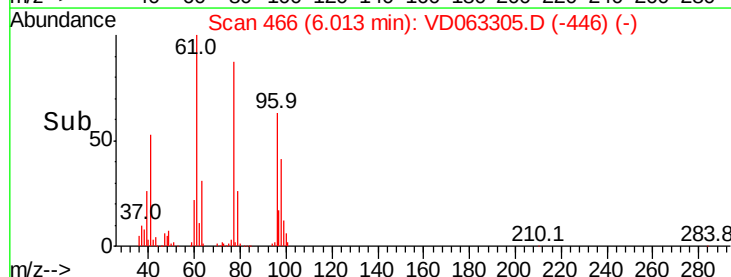
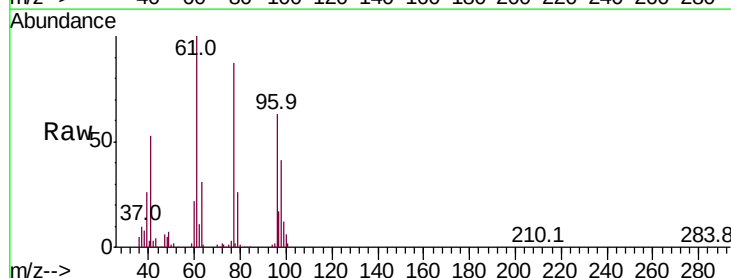
Acq: 1 Aug 2019 21:03

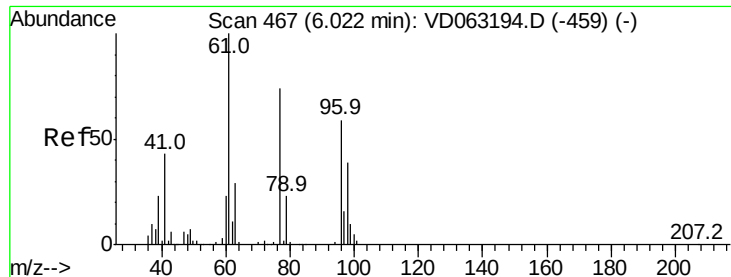
Tgt Ion: 77 Resp: 859123

Ion Ratio Lower Upper

77 100

97 19.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 52.118 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

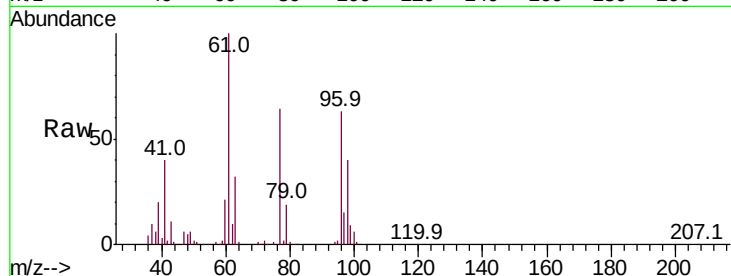
Tot Ion: 96 Resp: 528309

Ion Ratio Lower Upper

96 100

61 158.2 0.0 337.2

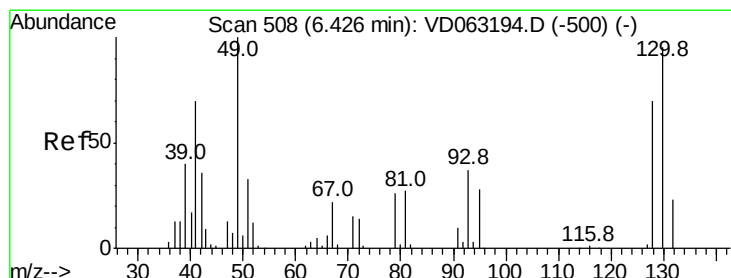
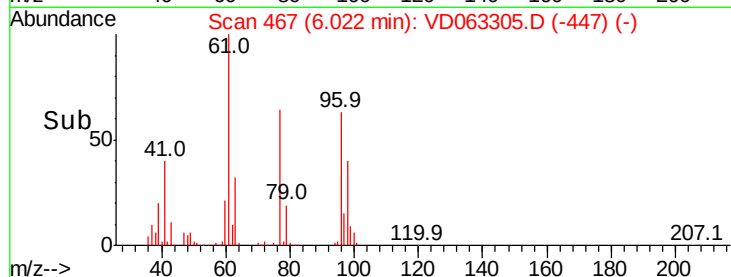
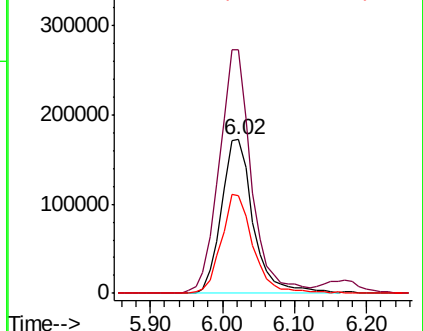
98 63.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 49.890 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

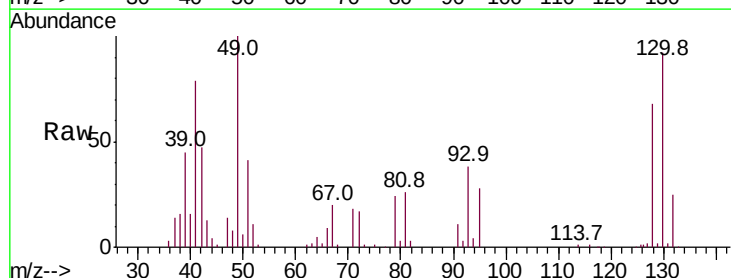
Tgt Ion: 49 Resp: 340513

Ion Ratio Lower Upper

49 100

129 2.4 0.0 0.0#

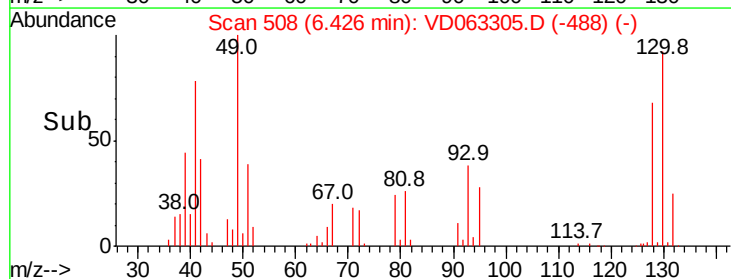
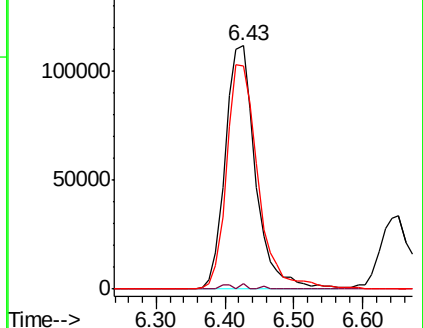
130 91.8 75.7 113.5

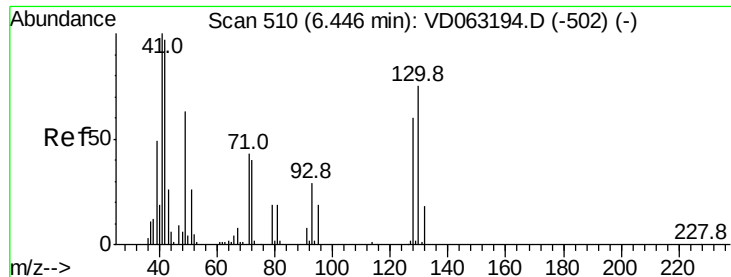


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 240.462 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

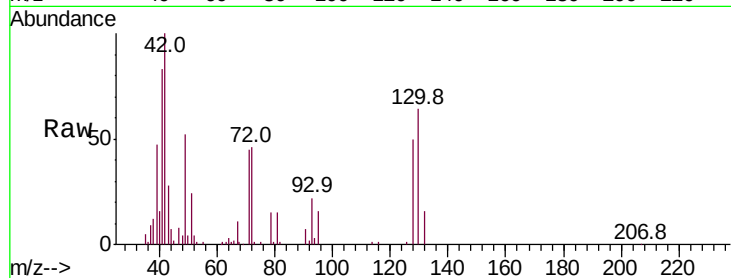
Tot Ion: 42 Resp: 268346

Ion Ratio Lower Upper

42 100

72 42.8 33.4 50.2

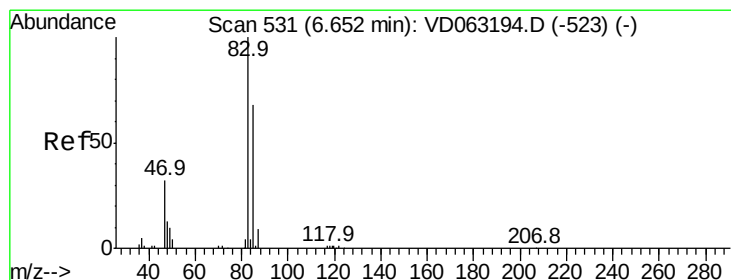
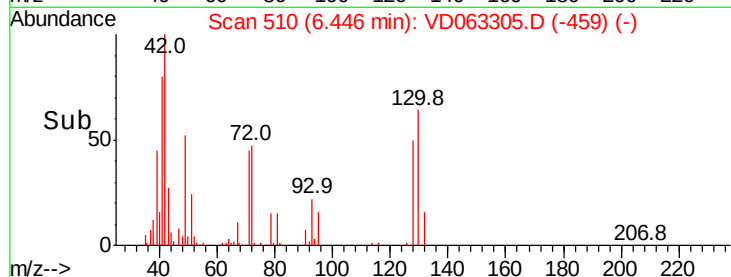
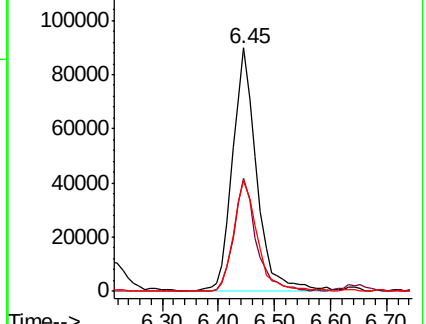
71 44.6 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.719 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063305.D

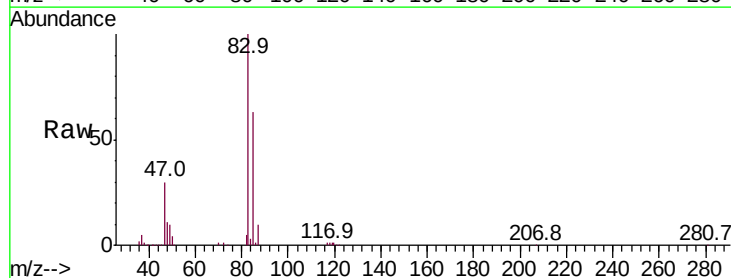
Acq: 1 Aug 2019 21:03

Tgt Ion: 83 Resp: 1078243

Ion Ratio Lower Upper

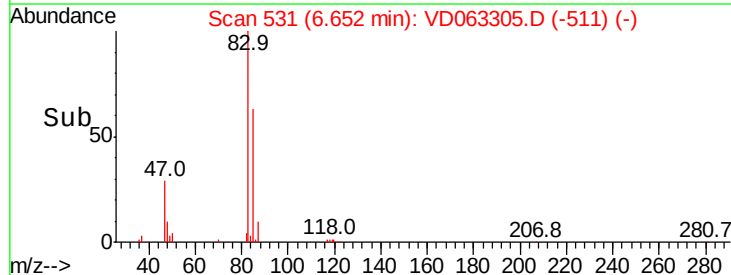
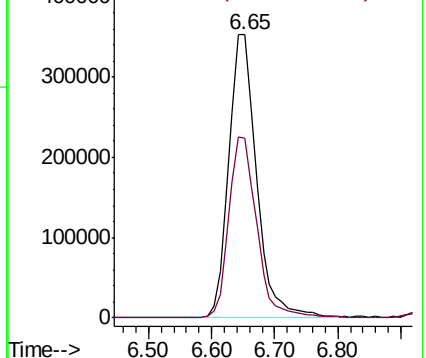
83 100

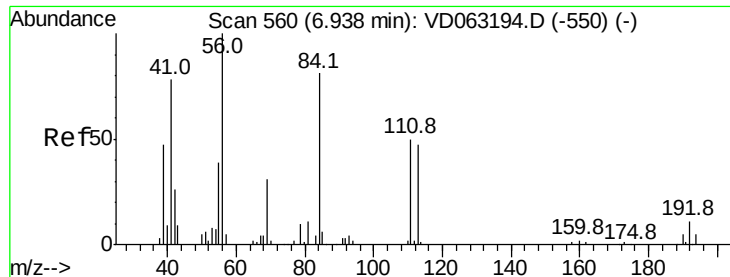
85 63.5 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

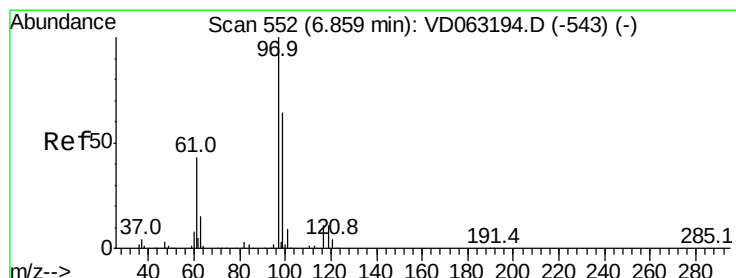
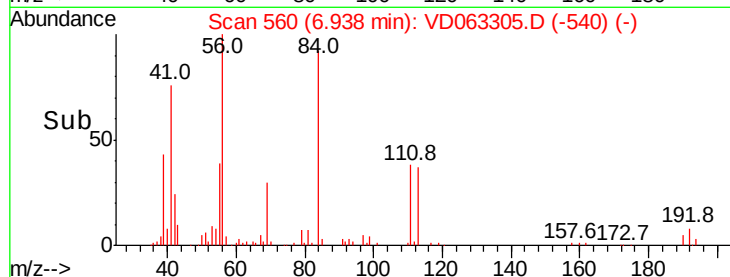
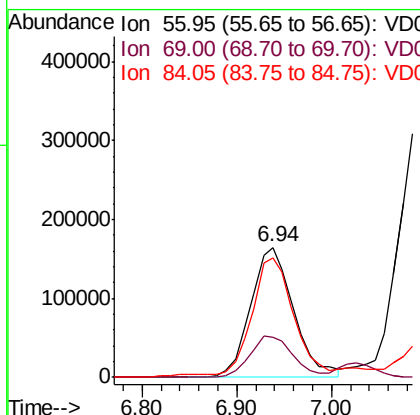
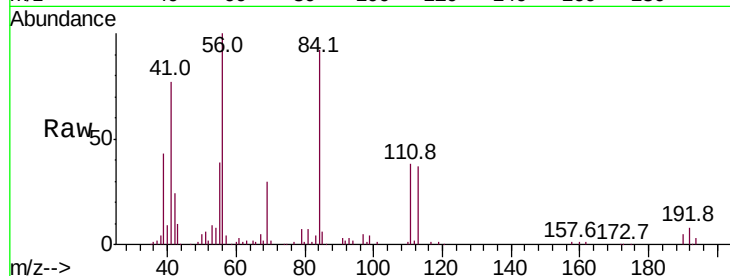




#31
Cyclohexane
Concen: 48.344 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

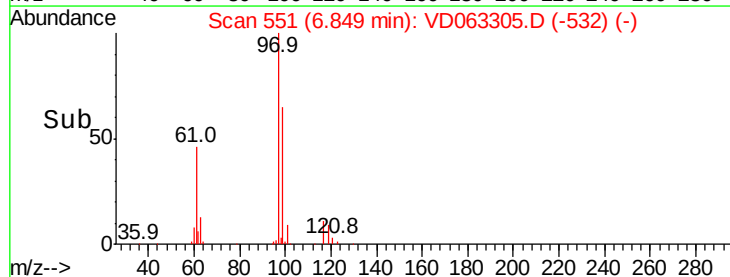
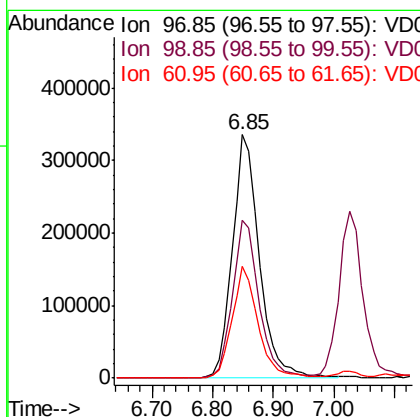
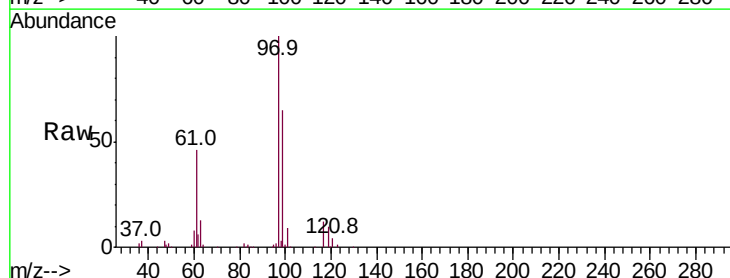
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

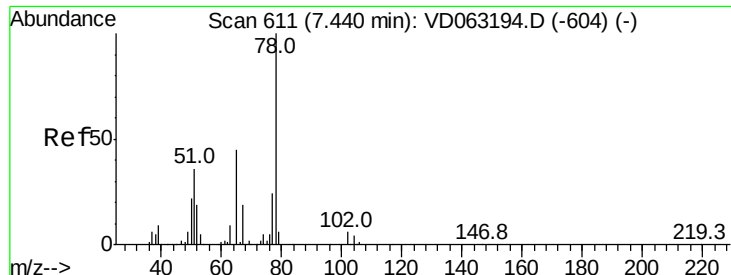
Tot Ion: 56 Resp: 519100
Ion Ratio Lower Upper
56 100
69 30.5 24.5 36.7
84 91.9 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 50.327 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 97 Resp: 1034875
Ion Ratio Lower Upper
97 100
99 65.0 51.2 76.8
61 46.1 34.2 51.2

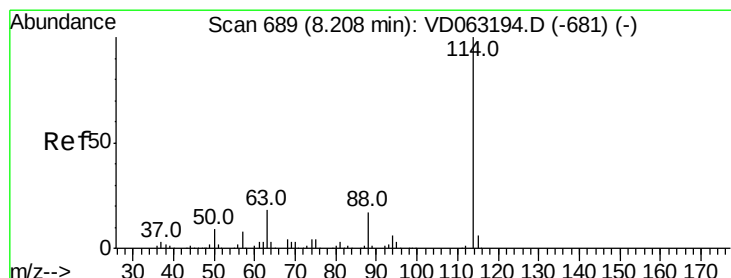
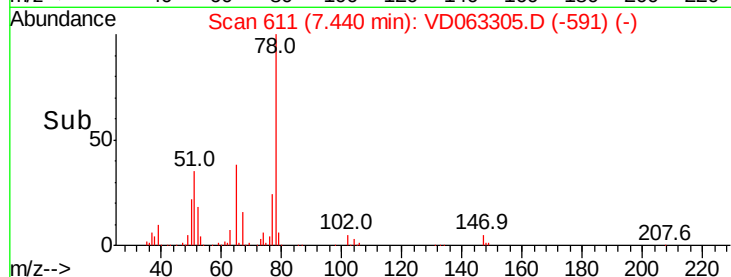
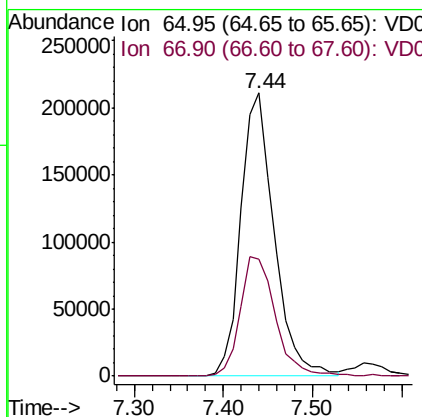
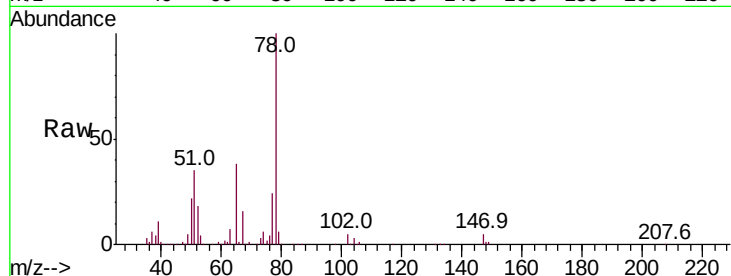




#33
 1,2-Dichloroethane-d4
 Concen: 45.411 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

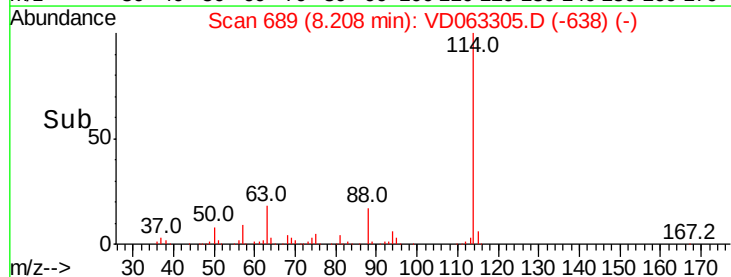
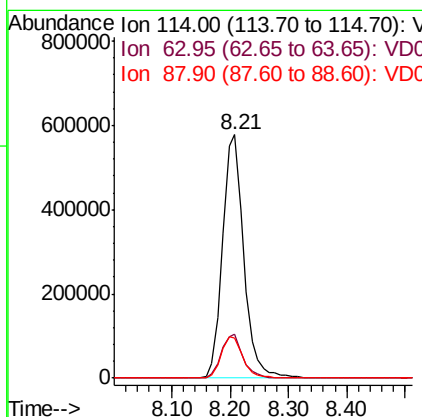
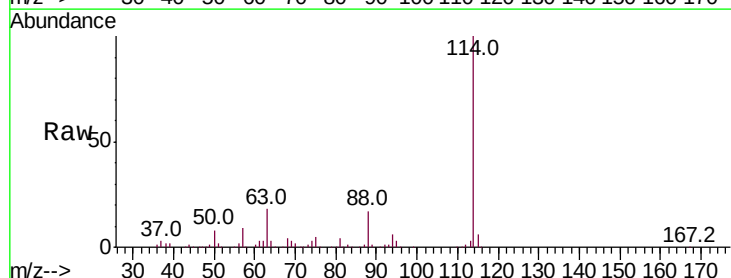
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

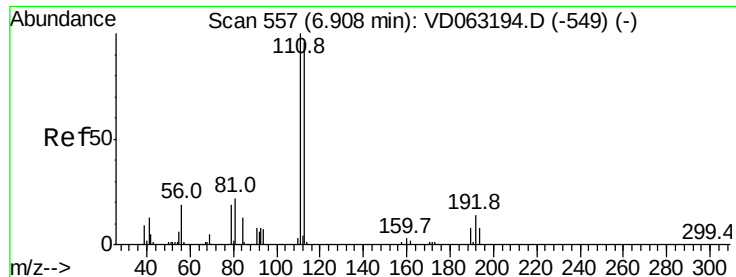
Tot Ion: 65 Resp: 547401
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion: 114 Resp: 1461874
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 16.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 48.045 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

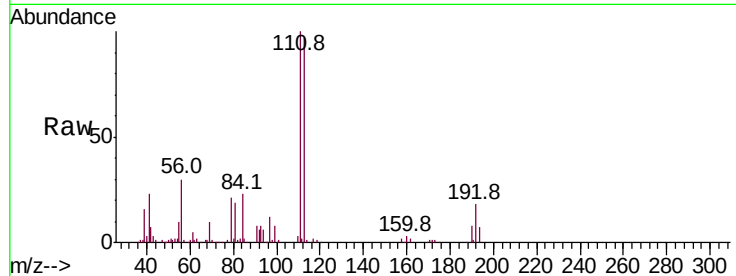
Tot Ion:113 Resp: 599669

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

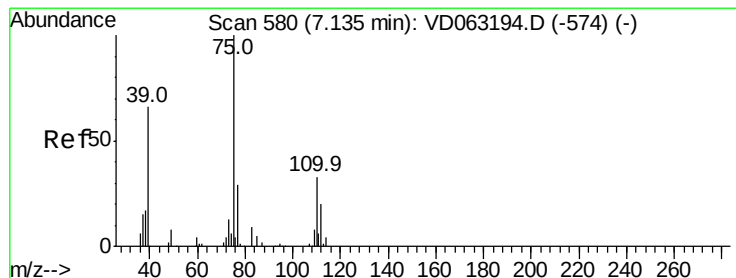
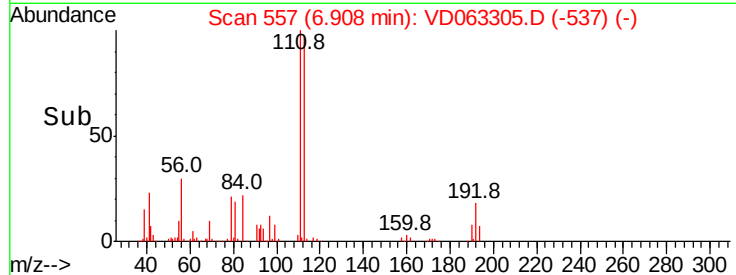
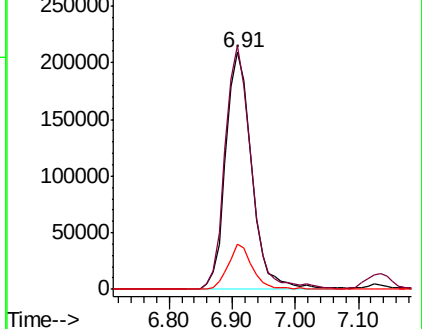
192 18.9 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.687 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

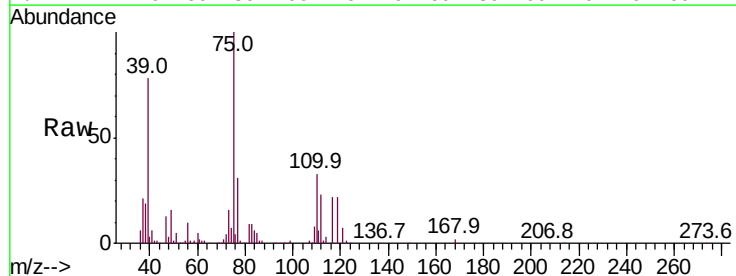
Tgt Ion: 75 Resp: 676241

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.2

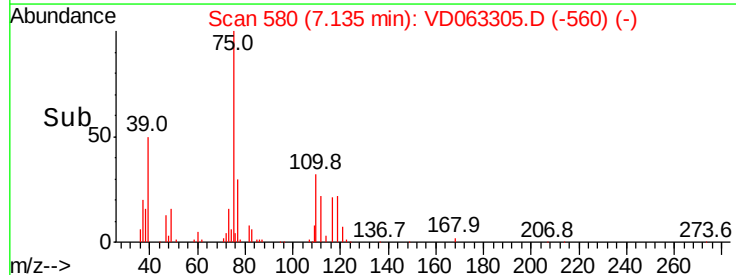
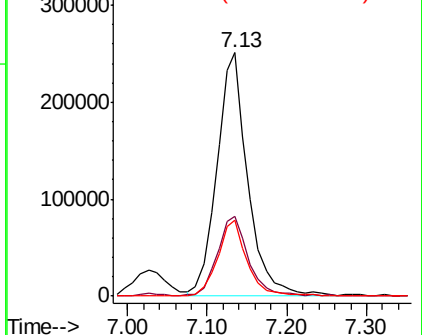
77 31.1 22.7 34.1

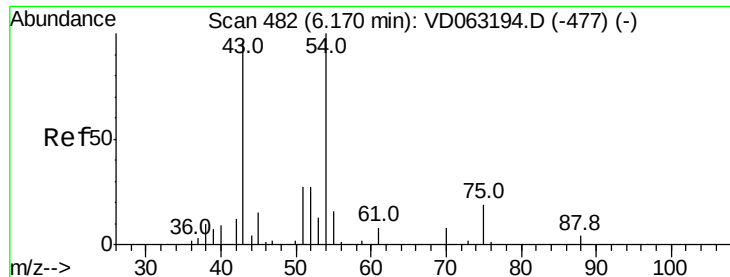


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

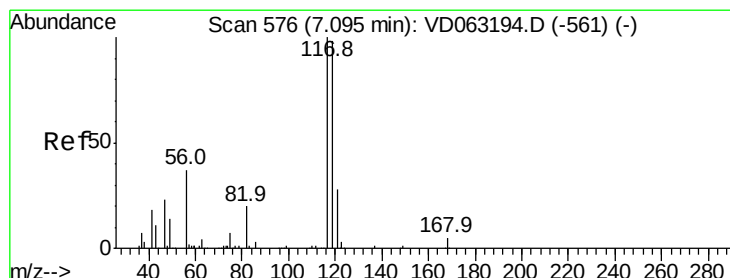
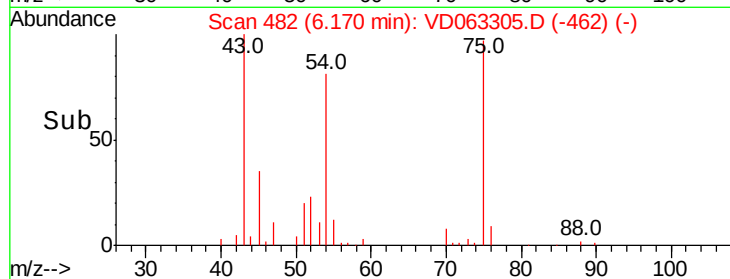
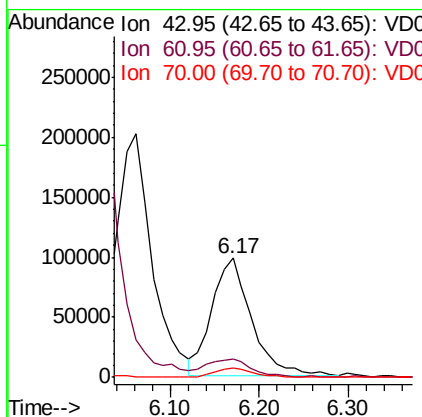
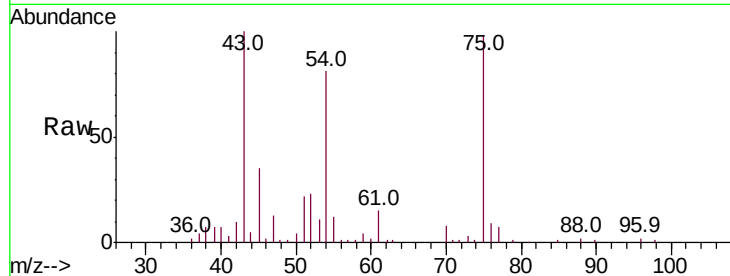




#37
Ethyl Acetate
Concen: 50.727 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

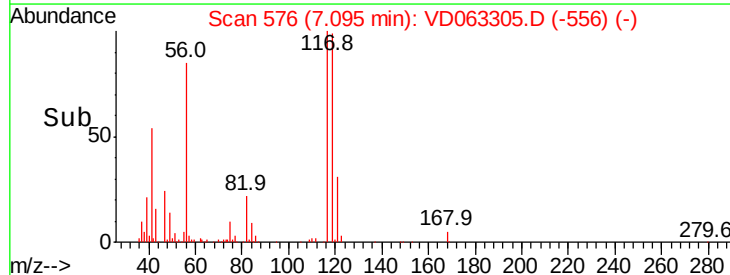
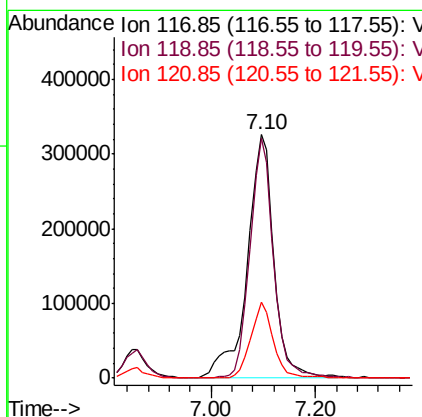
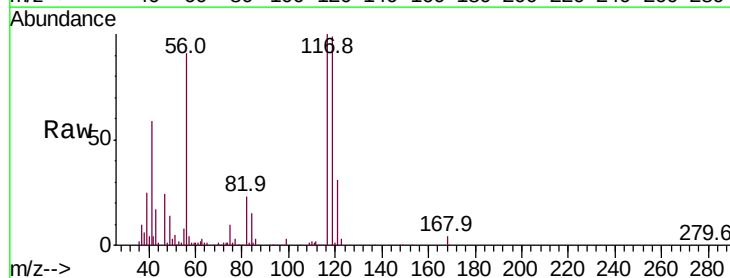
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

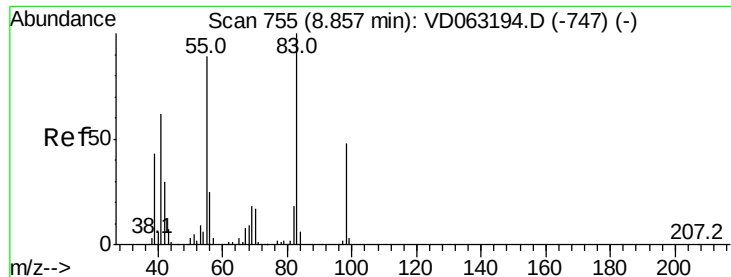
Tot Ion: 43 Resp: 304050
Ion Ratio Lower Upper
43 100
61 15.4 11.3 16.9
75 7.8 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 55.425 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 117 Resp: 1113220
Ion Ratio Lower Upper
117 100
119 98.6 78.2 117.2
121 31.4 22.1 33.1

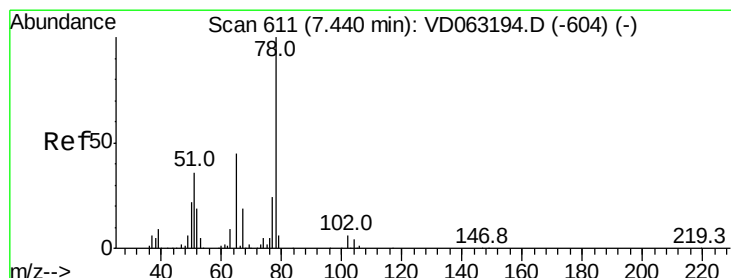
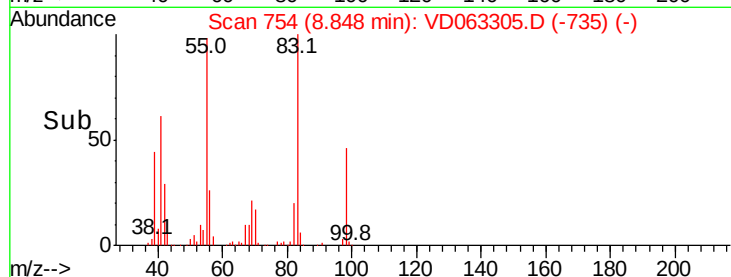
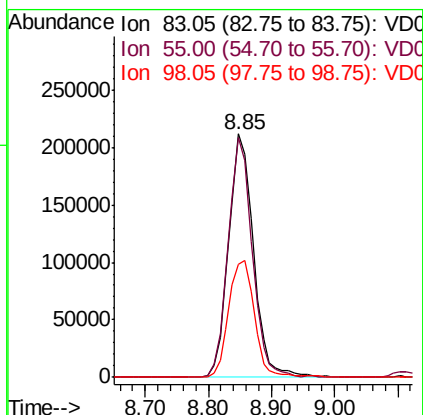
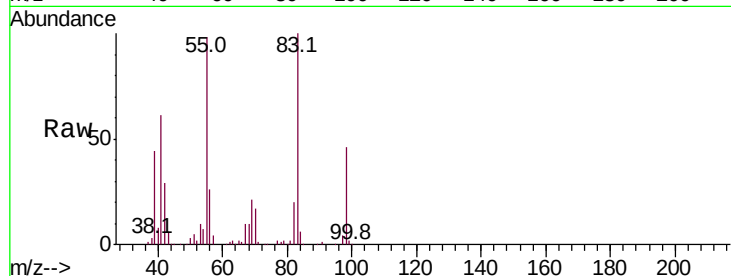




#39
Methylvlcyclohexane
Concen: 51.930 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

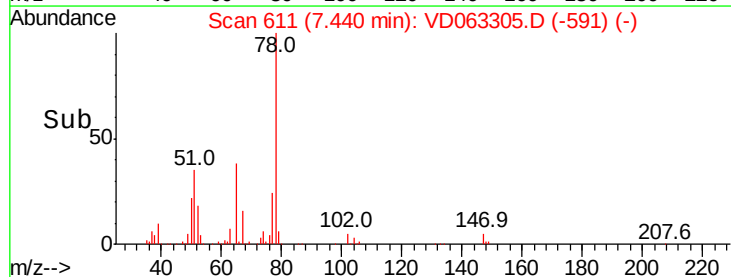
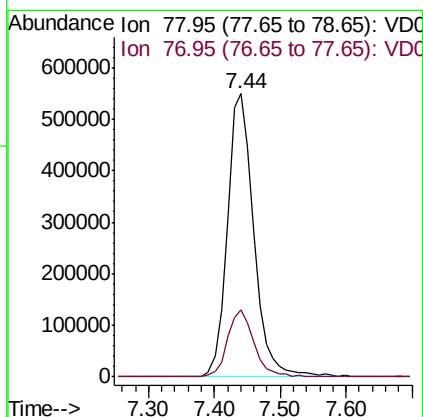
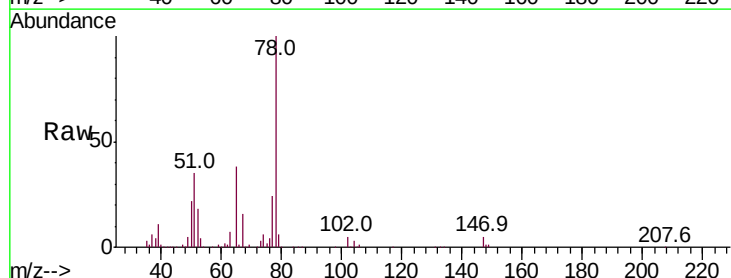
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

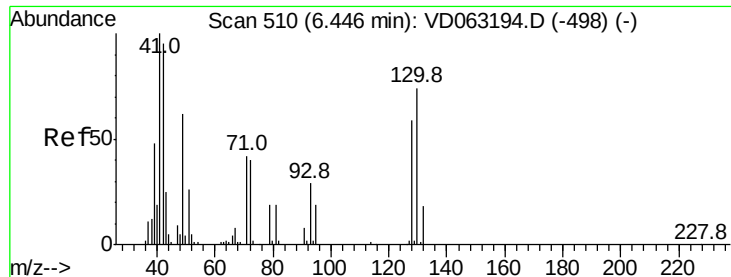
Tot Ion: 83 Resp: 577241
Ion Ratio Lower Upper
83 100
55 98.3 71.1 106.7
98 46.5 38.5 57.7



#40
Benzene
Concen: 55.157 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 78 Resp: 1542242
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.2

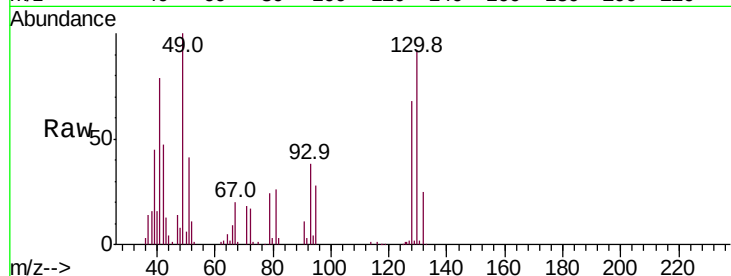




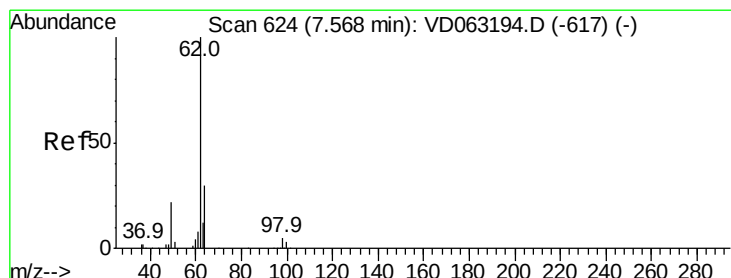
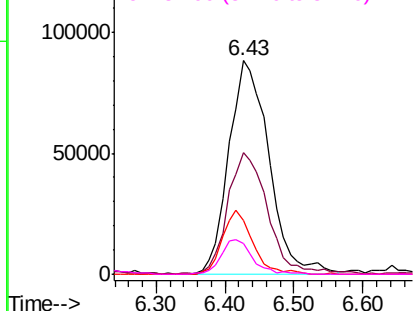
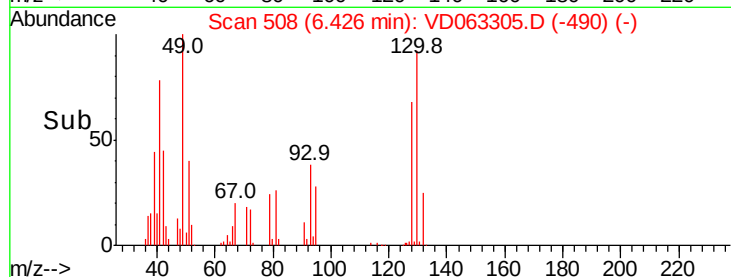
#41
Methacrylonitrile
Concen: 49.895 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 357737
Ion Ratio Lower Upper
41 100
39 56.9 38.4 57.6
67 24.9 6.7 10.1#
52 14.3 4.3 6.5#

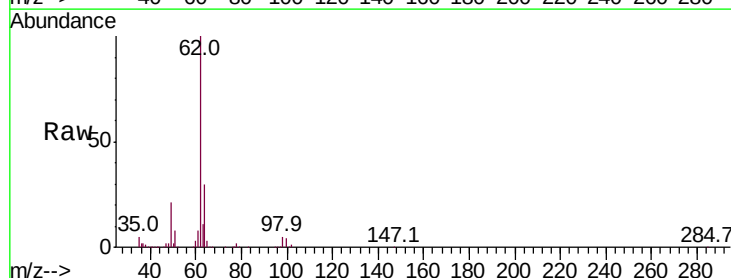


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

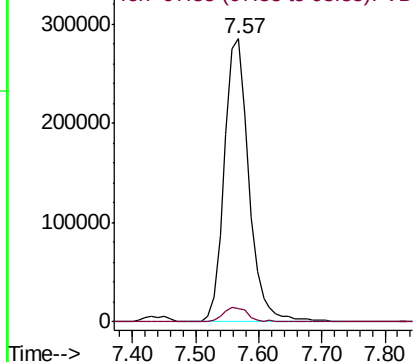
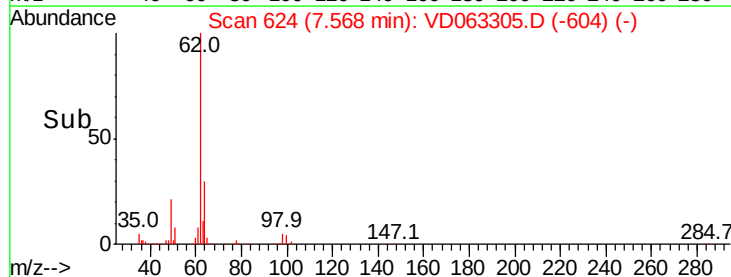


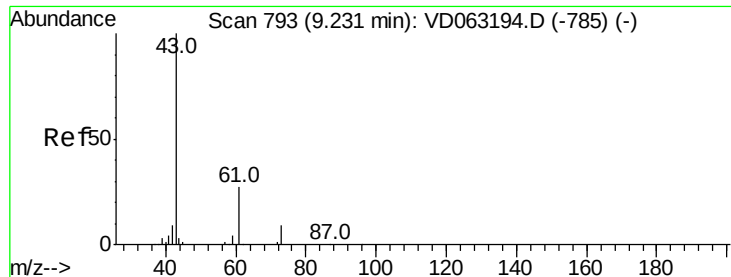
#42
1,2-Dichloroethane
Concen: 51.903 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 62 Resp: 769141
Ion Ratio Lower Upper
62 100
98 4.8 0.0 9.8



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





#43

Isopropyl Acetate

Concen: 56.049 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

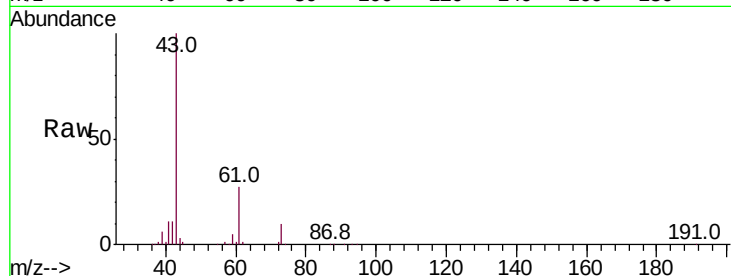
Tot Ion: 43 Resp: 429132

Ion Ratio Lower Upper

43 100

61 27.0 21.4 32.0

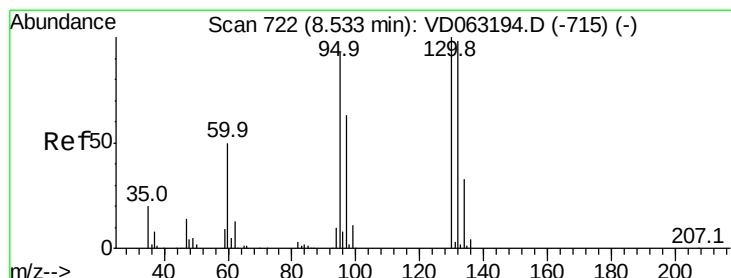
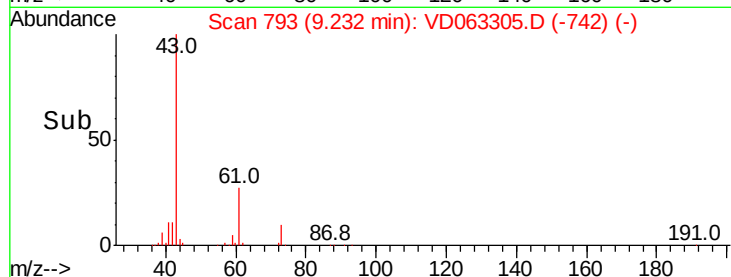
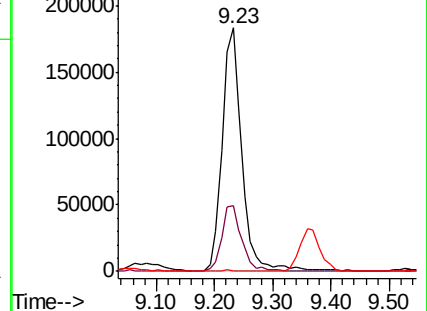
87 0.4 0.2 0.4#



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: 53.375 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063305.D

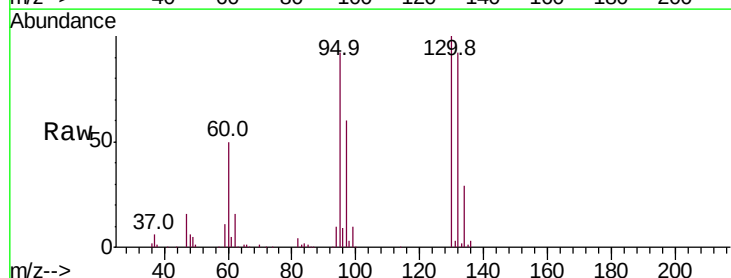
Acq: 1 Aug 2019 21:03

Tgt Ion:130 Resp: 604750

Ion Ratio Lower Upper

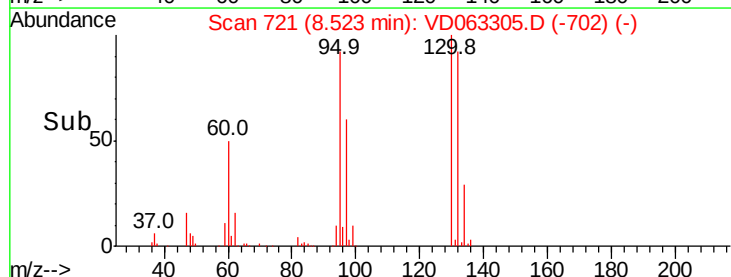
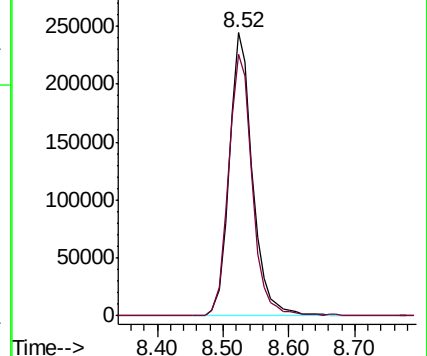
130 100

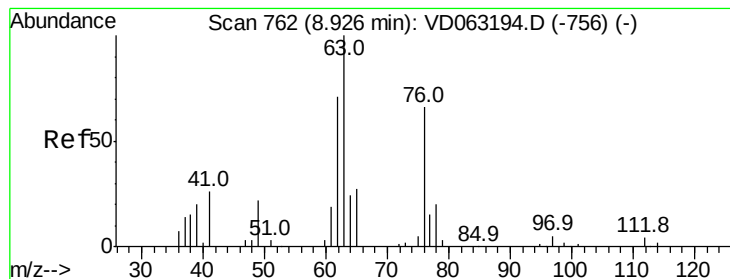
95 92.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.690 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

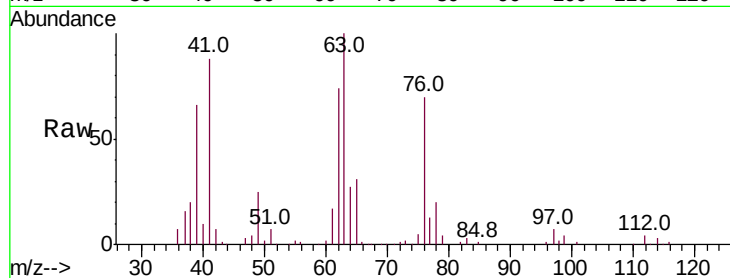
VSTDCCC050EC

Tot Ion: 63 Resp: 388684

Ion Ratio Lower Upper

63 100

65 30.7 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

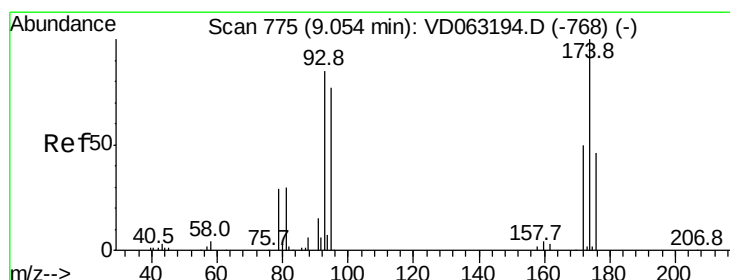
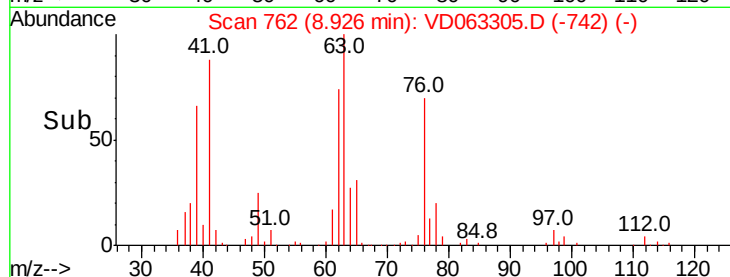
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 52.376 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

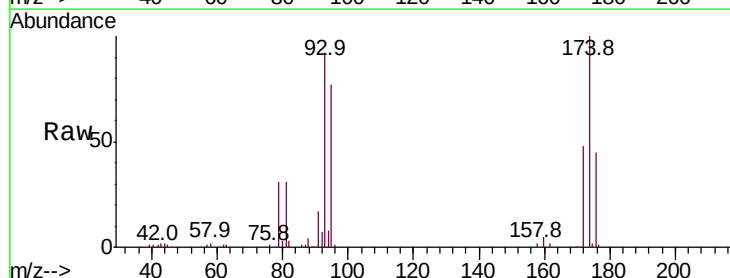
Tgt Ion: 93 Resp: 309507

Ion Ratio Lower Upper

93 100

95 83.3 72.8 109.2

174 108.7 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

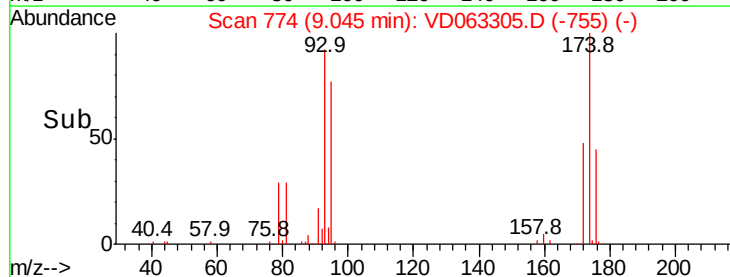
150000

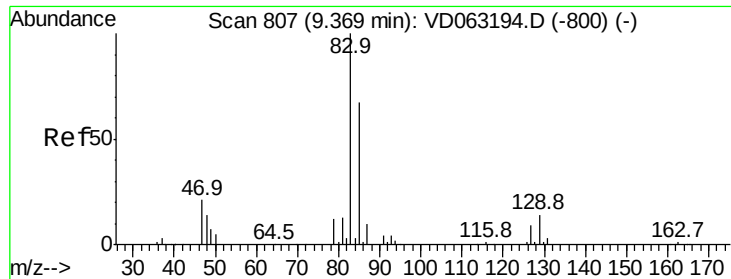
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.860 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

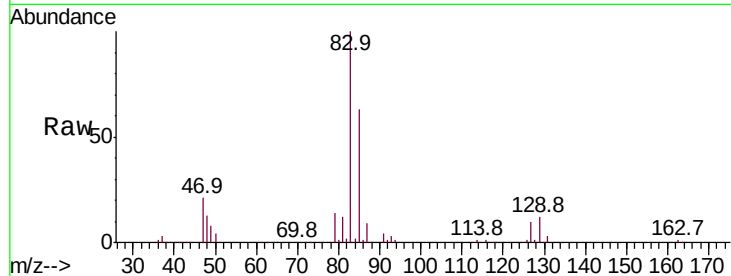
Tot Ion: 83 Resp: 811326

Ion Ratio Lower Upper

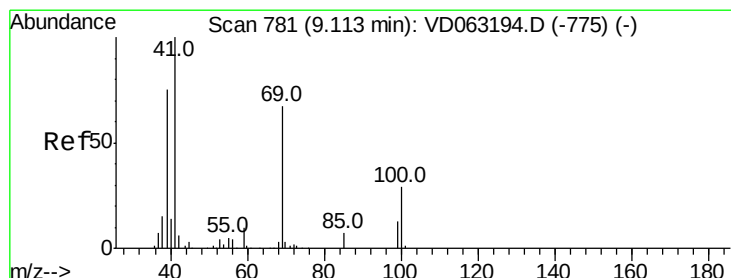
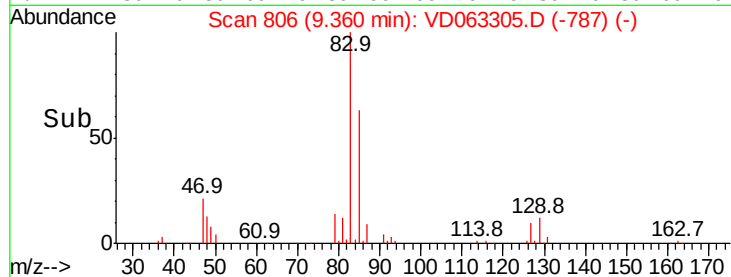
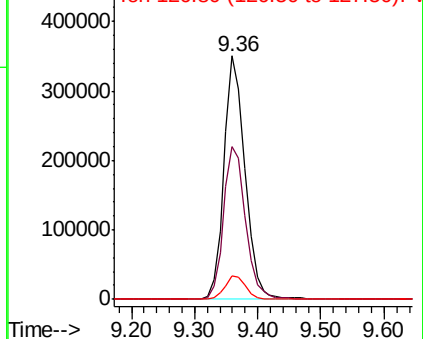
83 100

85 62.9 53.6 80.4

127 9.8 7.2 10.8



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



#48

Methyl methacrylate

Concen: 53.985 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

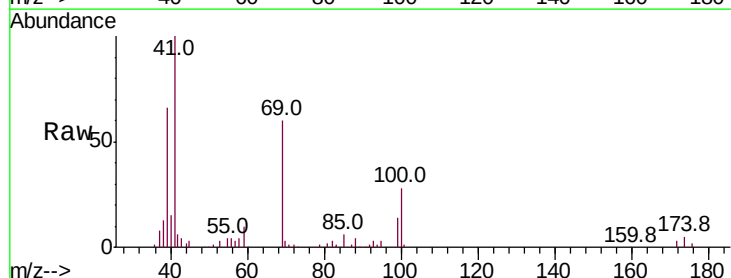
Tgt Ion: 41 Resp: 268069

Ion Ratio Lower Upper

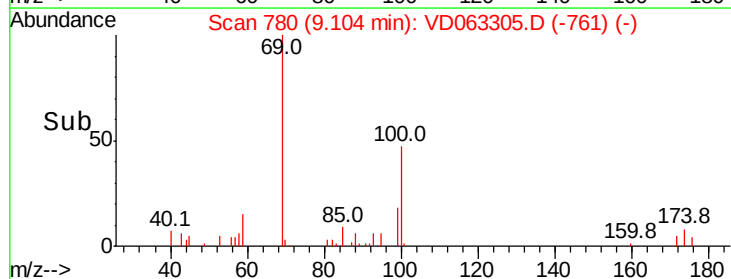
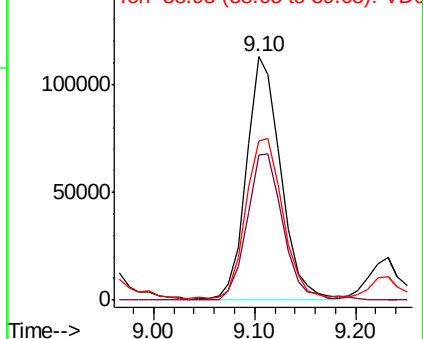
41 100

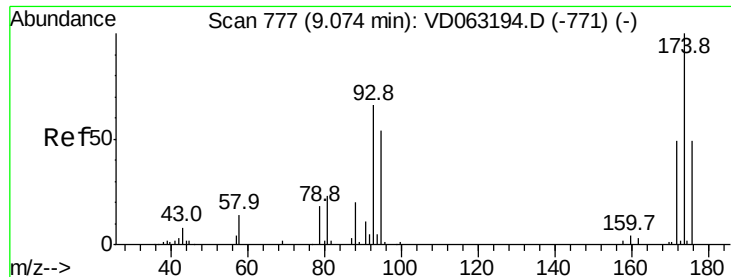
69 59.6 53.4 80.0

39 65.6 60.3 90.5



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

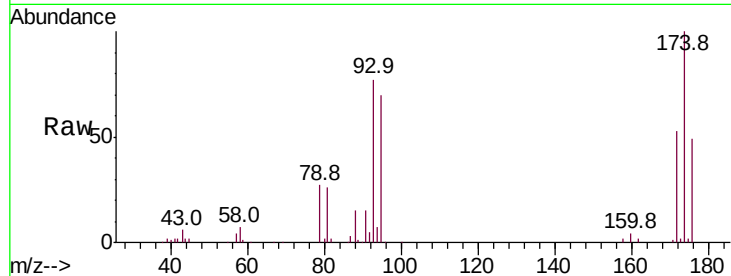




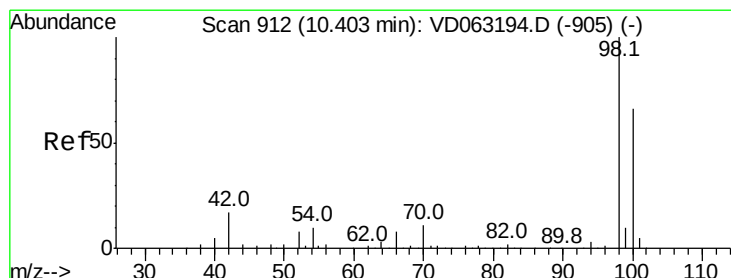
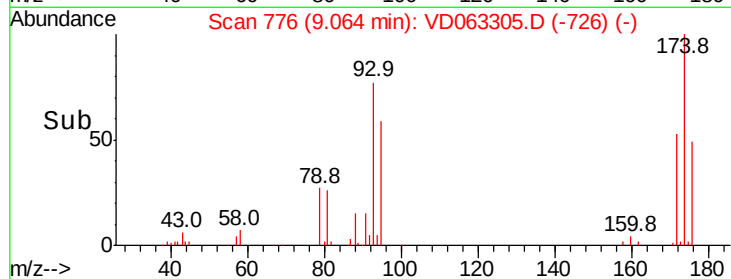
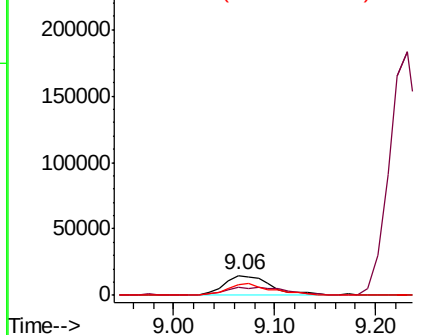
#49
1,4-Dioxane
Concen: 1142.351 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 48028
Ion Ratio Lower Upper
88 100
43 39.0 30.7 46.1
58 51.3 56.5 84.7#

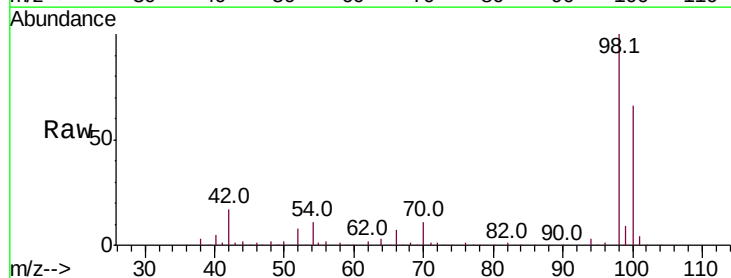


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

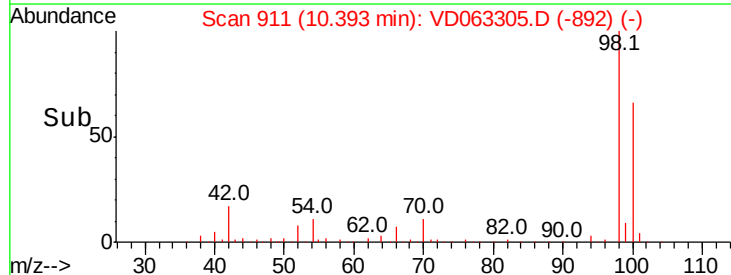
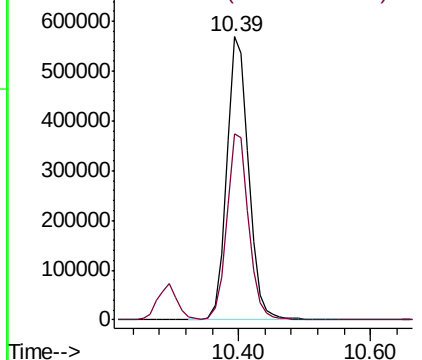


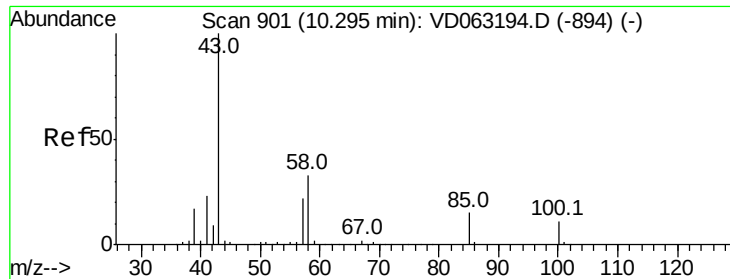
#50
Toluene-d8
Concen: 47.343 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 98 Resp: 1322421
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 270.724 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

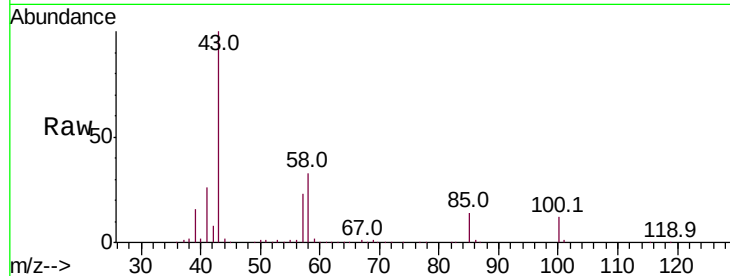
VSTDCCC050EC

Tot Ion: 43 Resp: 1409660

Ion Ratio Lower Upper

43 100

58 33.1 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

600000

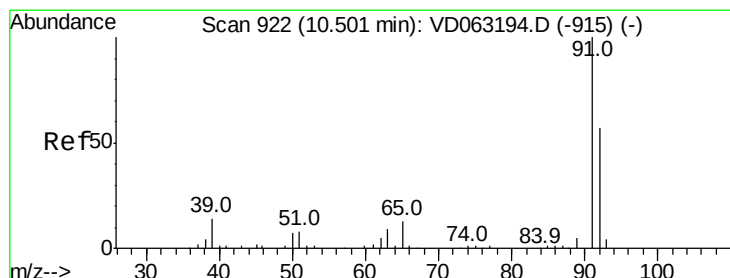
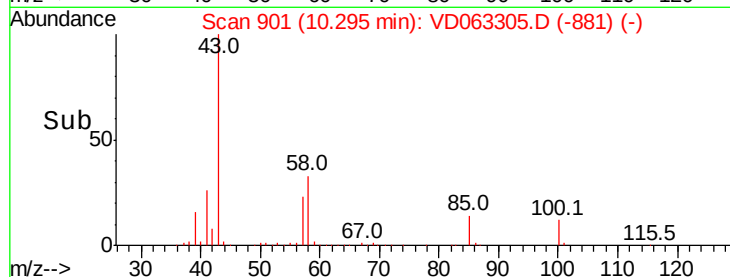
400000

200000

0

Time-->

10.10 10.20 10.30 10.40



#52

Toluene

Concen: 55.706 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063305.D

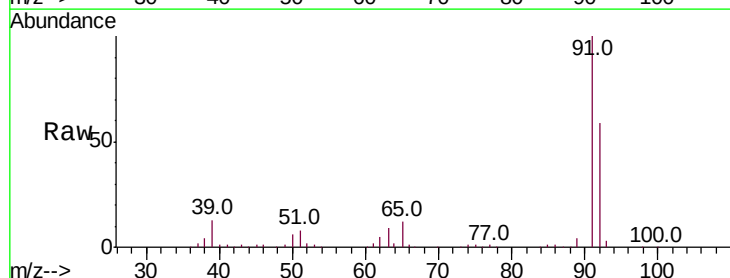
Acq: 1 Aug 2019 21:03

Tgt Ion: 92 Resp: 1035965

Ion Ratio Lower Upper

92 100

91 170.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

600000

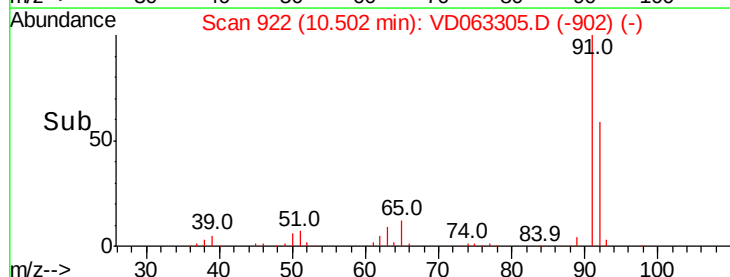
400000

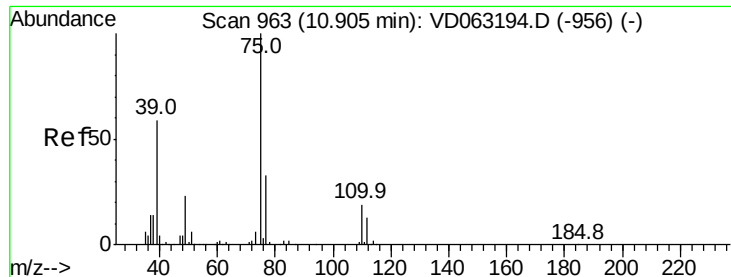
200000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 53.389 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

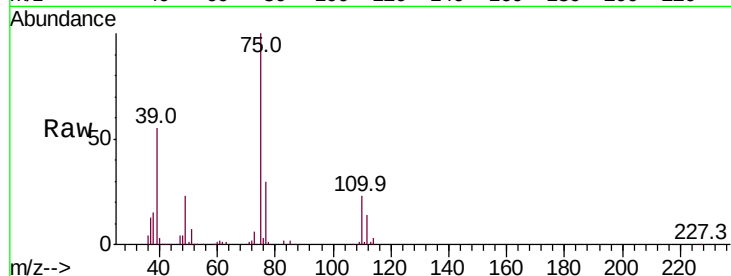
VSTDCCC050EC

Tot Ion: 75 Resp: 693352

Ion Ratio Lower Upper

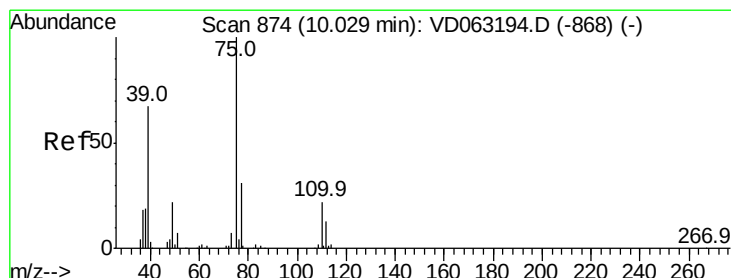
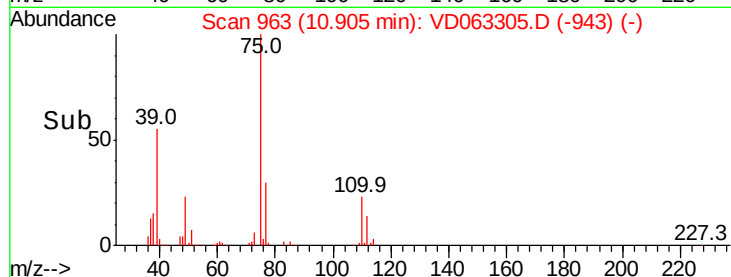
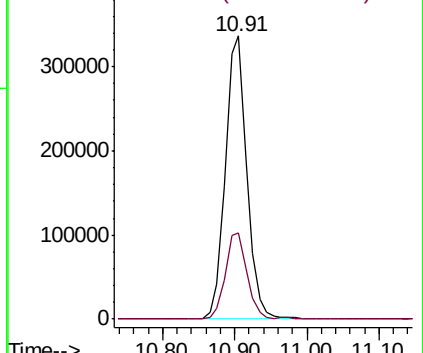
75 100

77 30.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.720 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

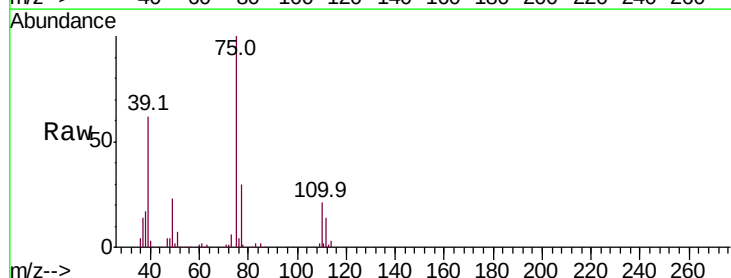
Tgt Ion: 75 Resp: 733211

Ion Ratio Lower Upper

75 100

77 30.3 24.9 37.3

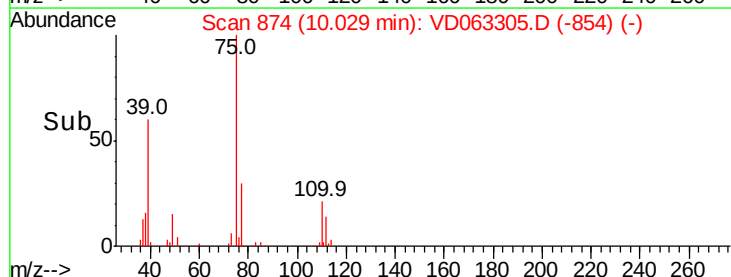
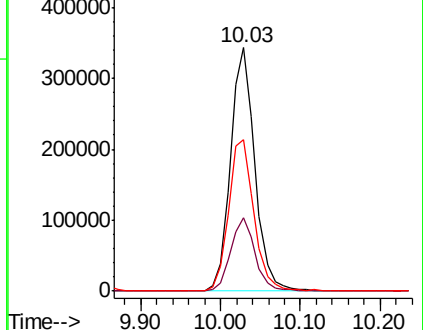
39 62.3 53.9 80.9

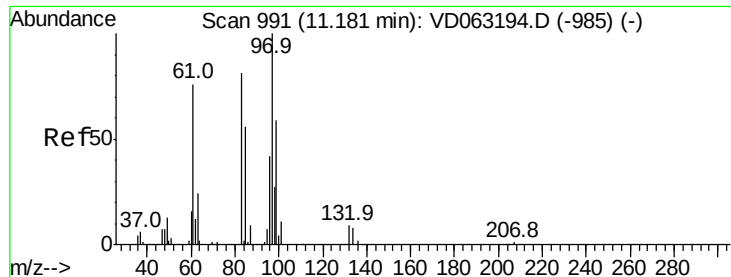


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 53.285 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 334674

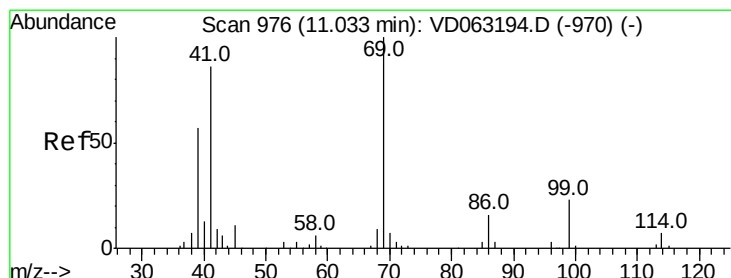
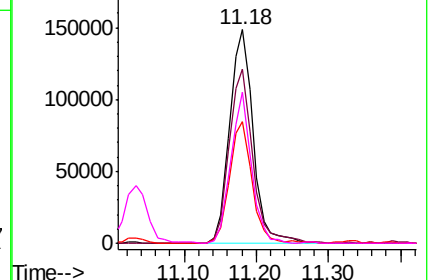
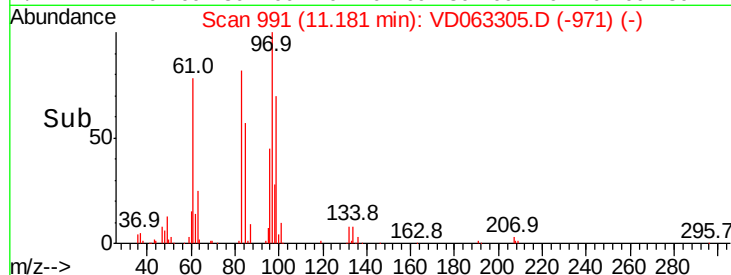
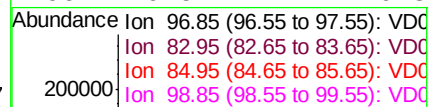
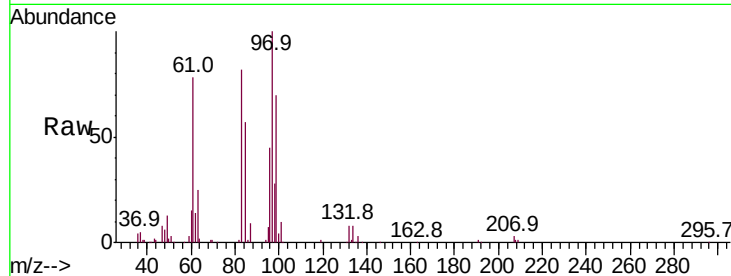
Ion Ratio Lower Upper

97 100

83 81.6 64.8 97.2

85 56.7 44.9 67.3

99 70.5 47.2 70.8



#56

Ethyl methacrylate

Concen: 55.232 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

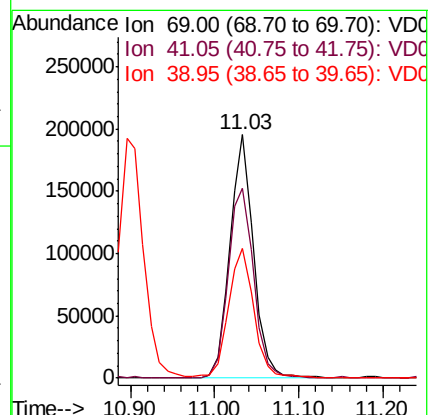
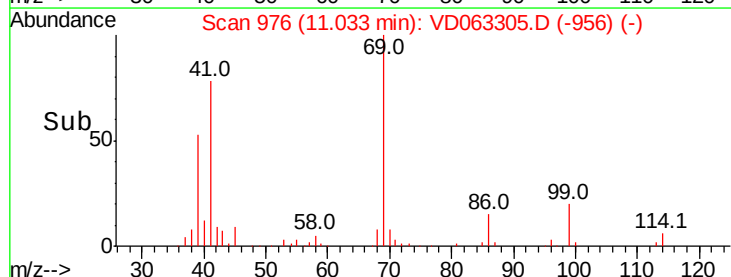
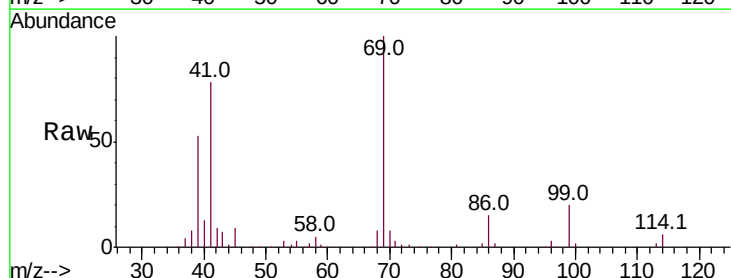
Tgt Ion: 69 Resp: 379867

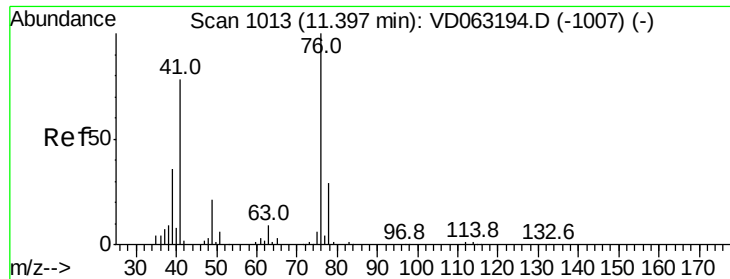
Ion Ratio Lower Upper

69 100

41 78.0 68.8 103.2

39 53.5 45.8 68.8





#57

1,3-Dichloropropane

Concen: 52.919 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

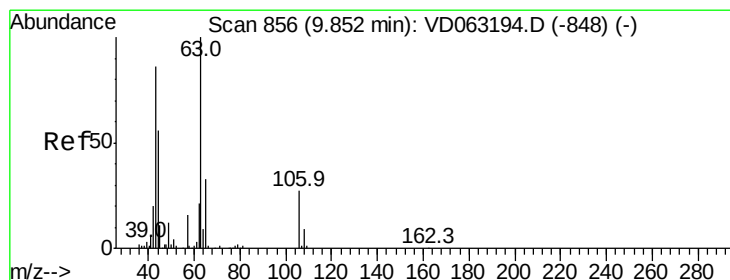
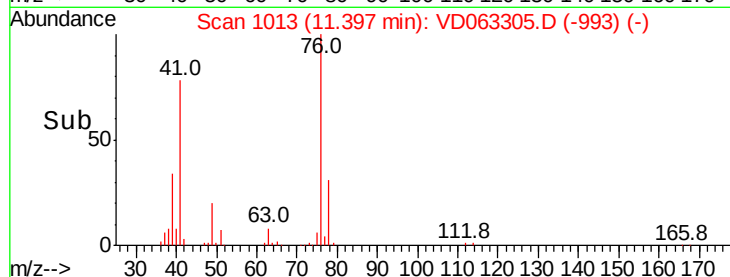
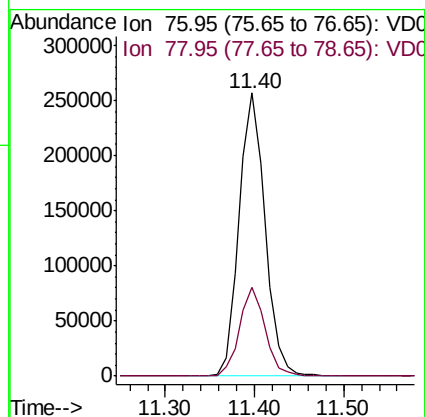
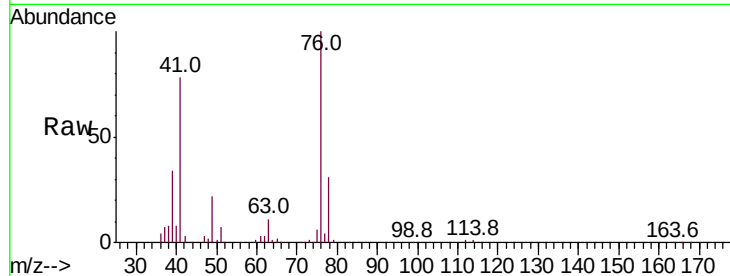
VSTDCCC050EC

Tot Ion: 76 Resp: 523689

Ion Ratio Lower Upper

76 100

78 31.2 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 248.338 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063305.D

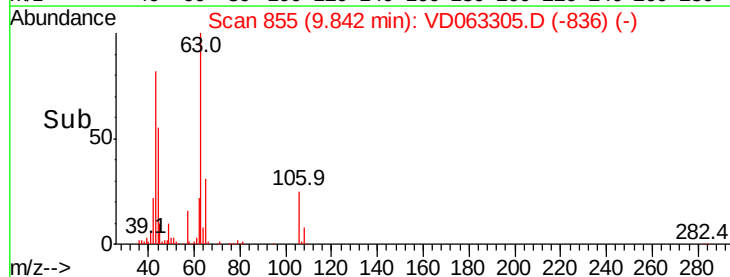
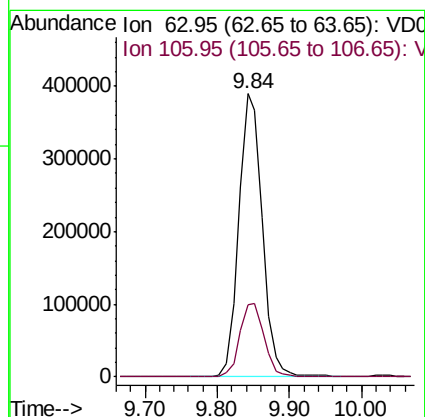
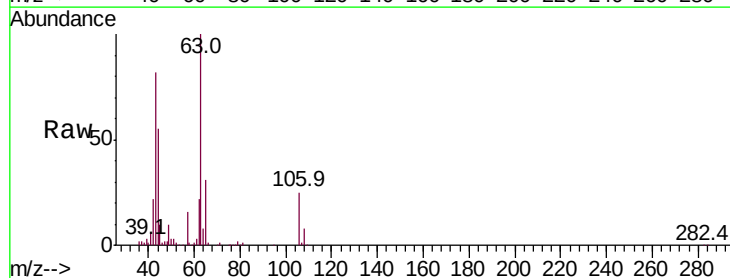
Acq: 1 Aug 2019 21:03

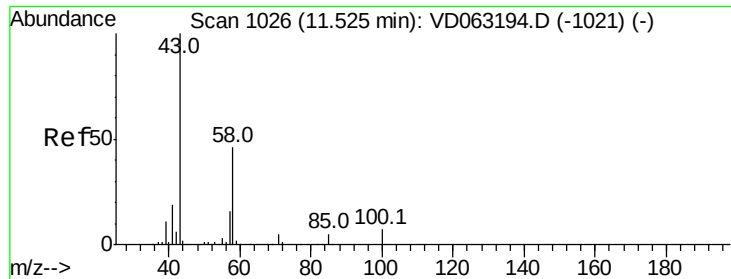
Tgt Ion: 63 Resp: 888738

Ion Ratio Lower Upper

63 100

106 25.4 22.0 33.0

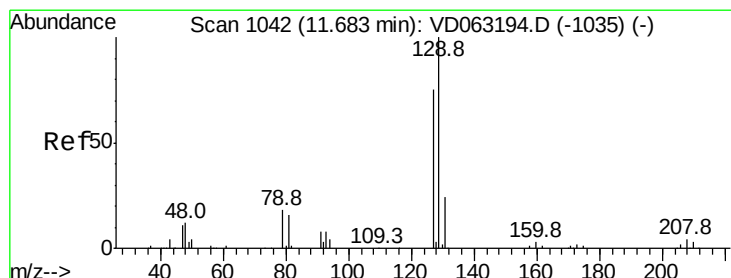
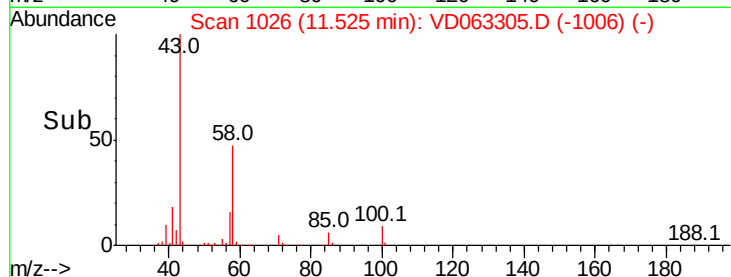
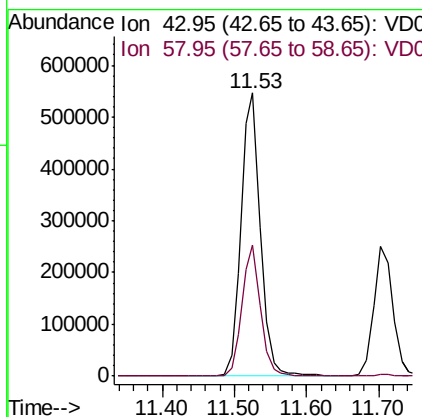
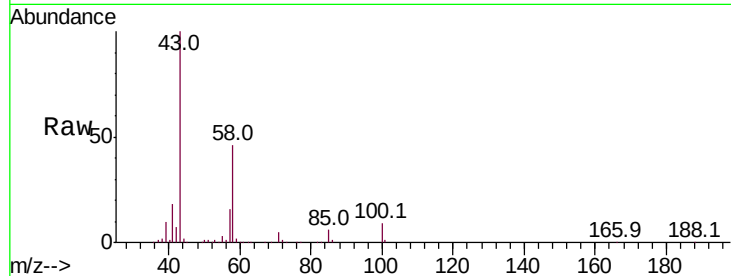




#59
2-Hexanone
Concen: 272.856 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

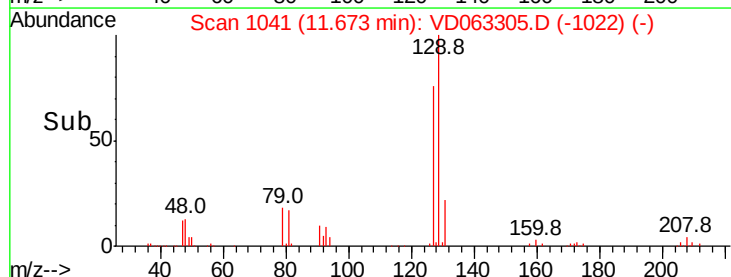
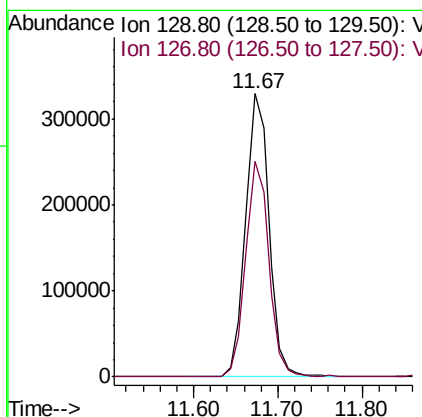
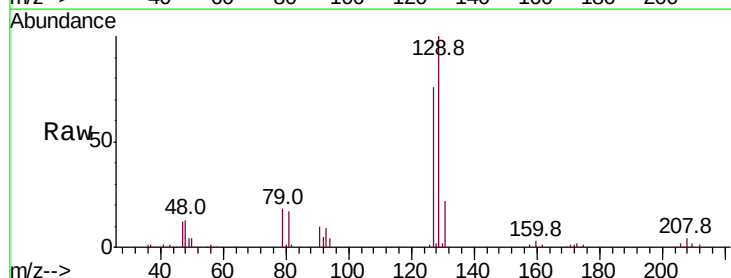
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

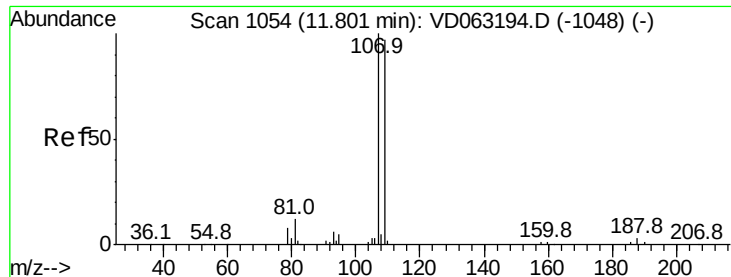
Tot Ion: 43 Resp: 1023859
Ion Ratio Lower Upper
43 100
58 46.4 22.9 68.5



#60
Dibromochloromethane
Concen: 54.211 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 129 Resp: 642796
Ion Ratio Lower Upper
129 100
127 76.1 37.6 112.8

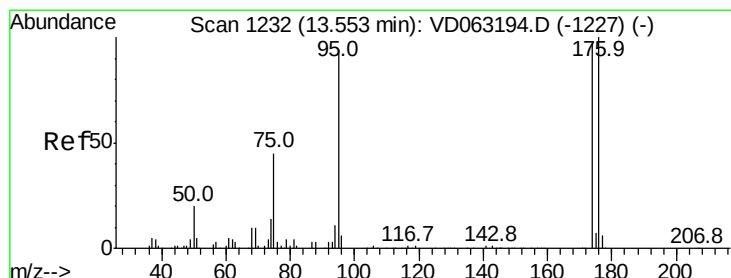
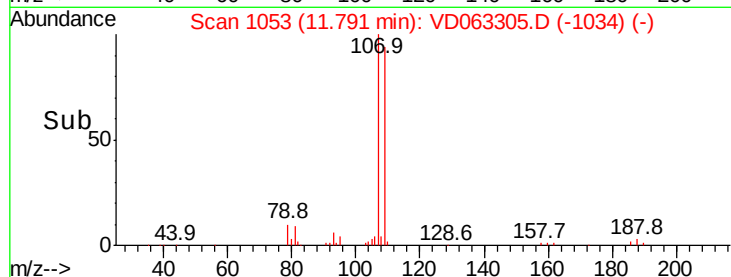
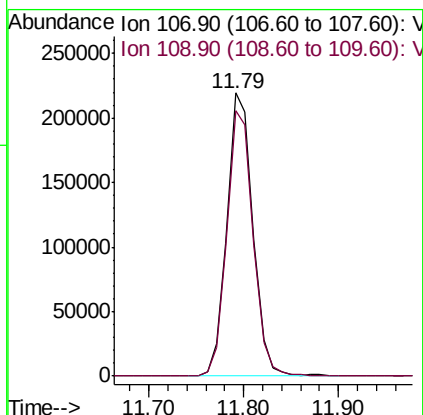
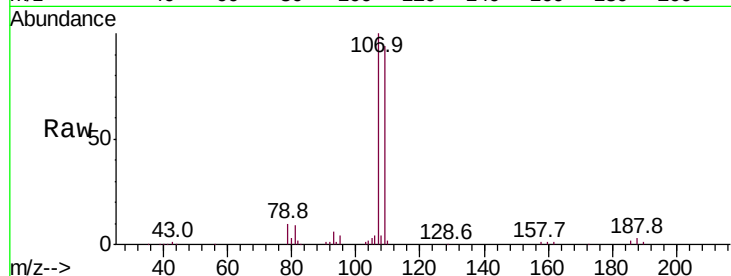




#61
1,2-Dibromoethane
Concen: 53.539 ug/l
RT: 11.79 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

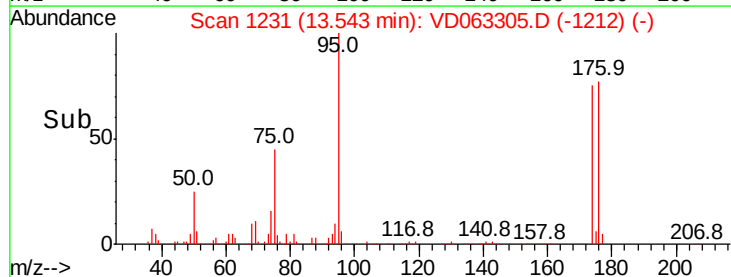
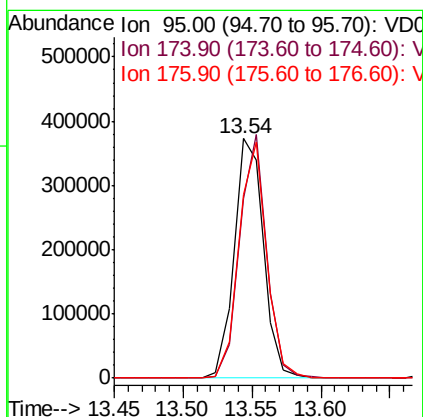
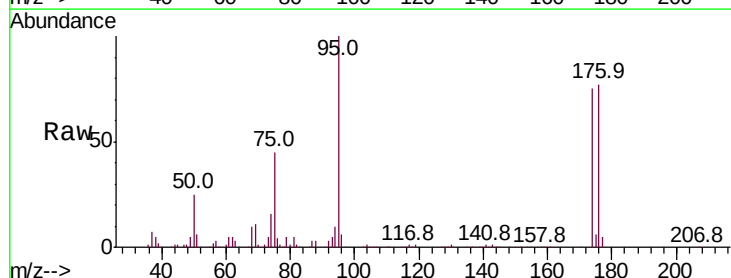
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

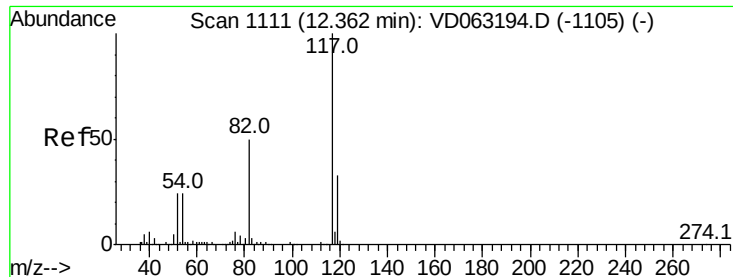
Tot Ion:107 Resp: 414939
Ion Ratio Lower Upper
107 100
109 93.7 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 43.420 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 95 Resp: 552688
Ion Ratio Lower Upper
95 100
174 75.1 0.0 205.4
176 76.5 0.0 211.8

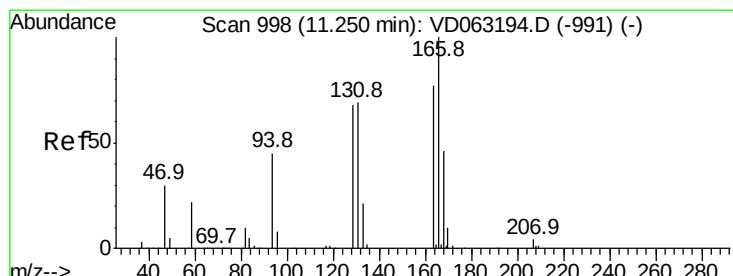
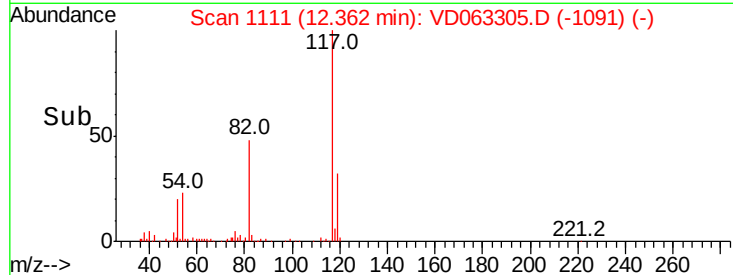
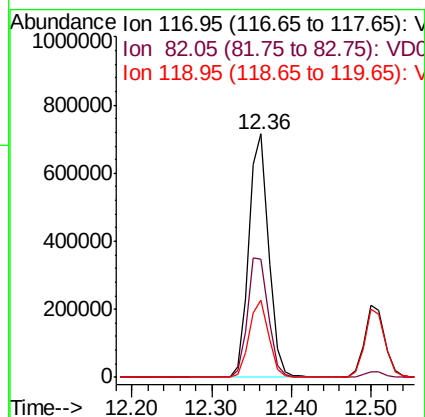
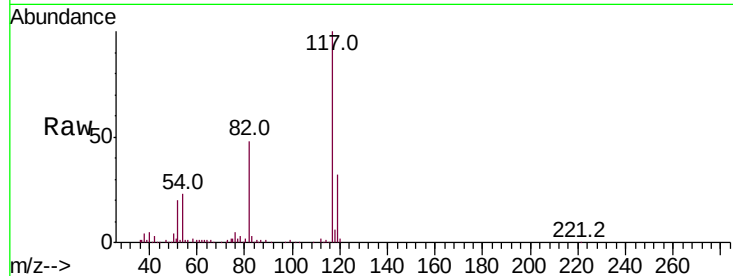




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

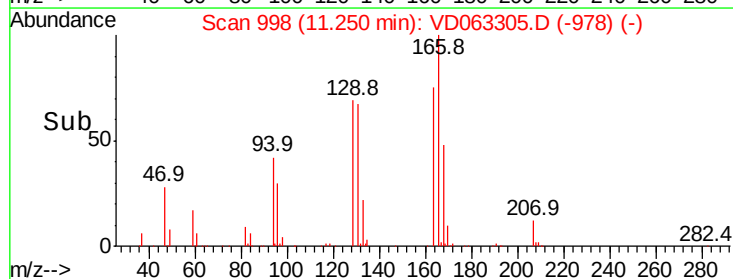
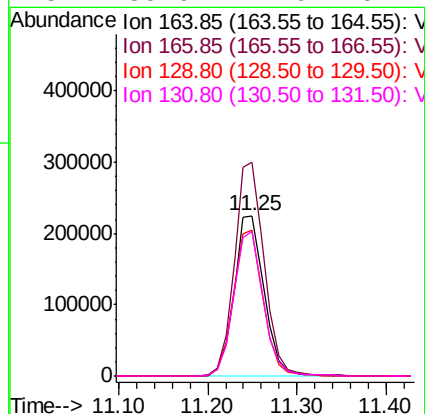
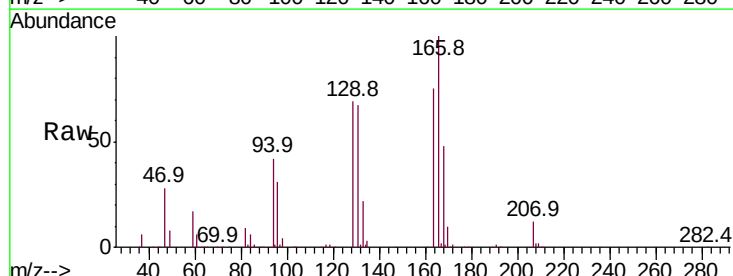
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

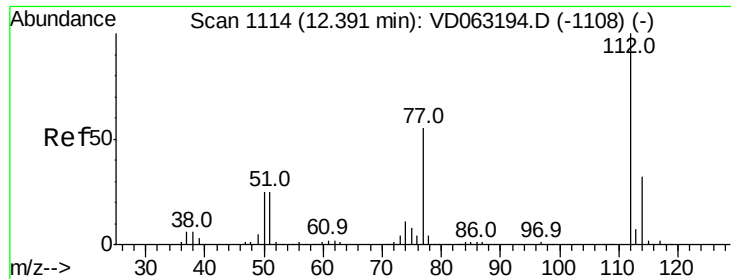
Tot Ion:117 Resp: 1216625
Ion Ratio Lower Upper
117 100
82 48.5 40.1 60.1
119 31.9 26.5 39.7



#64
Tetrachloroethene
Concen: 54.282 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion:164 Resp: 526127
Ion Ratio Lower Upper
164 100
166 133.3 104.3 156.5
129 91.4 70.9 106.3
131 89.9 71.6 107.4

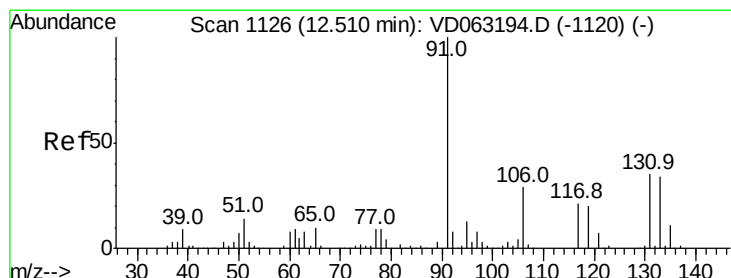
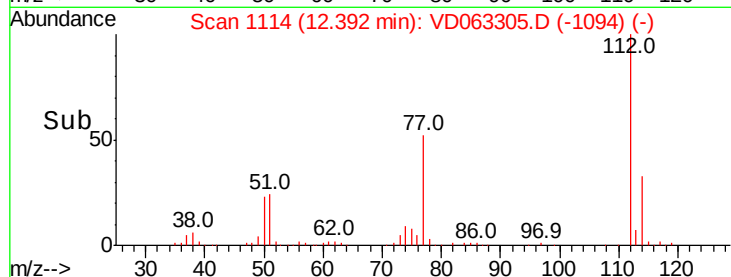
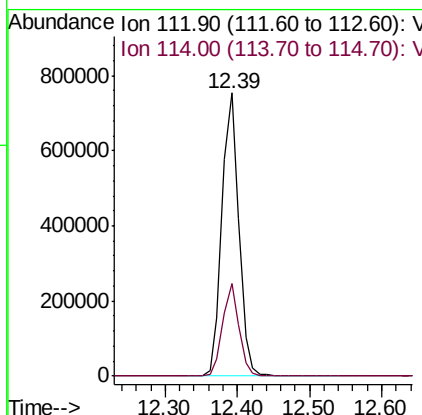
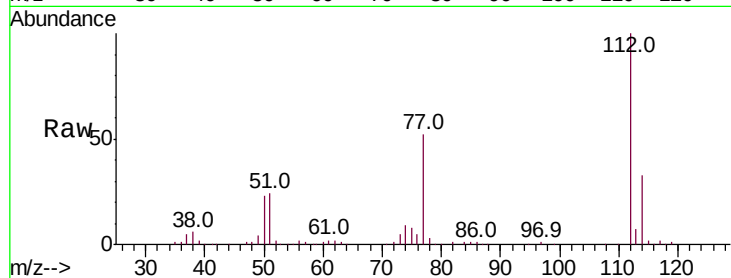




#65
Chlorobenzene
Concen: 52.253 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

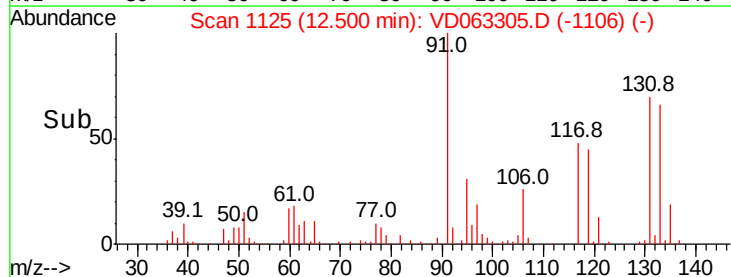
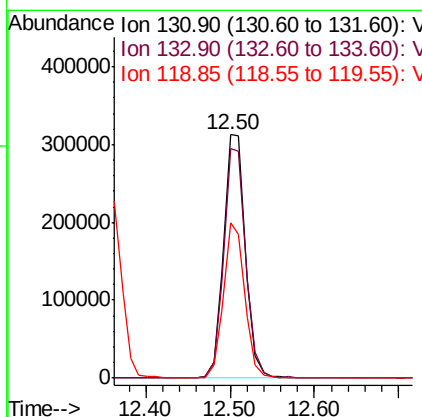
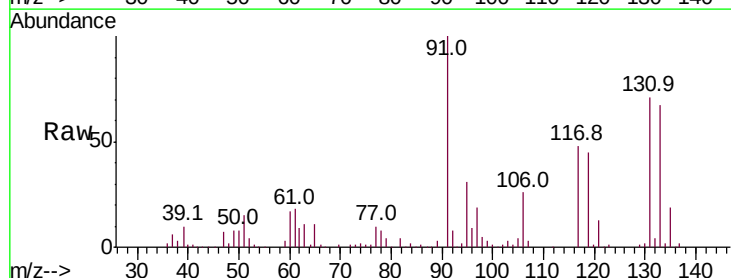
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

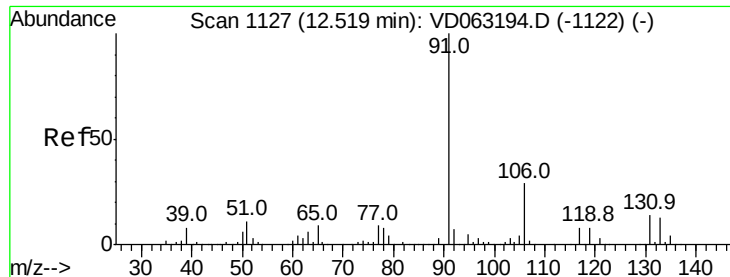
Tot Ion:112 Resp: 1222790
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.300 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion:131 Resp: 559723
Ion Ratio Lower Upper
131 100
133 94.5 48.4 145.2
119 63.7 29.1 87.3

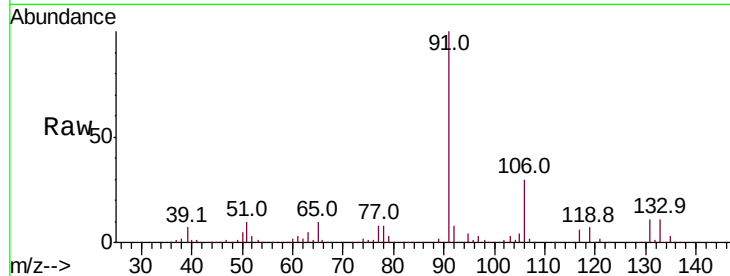




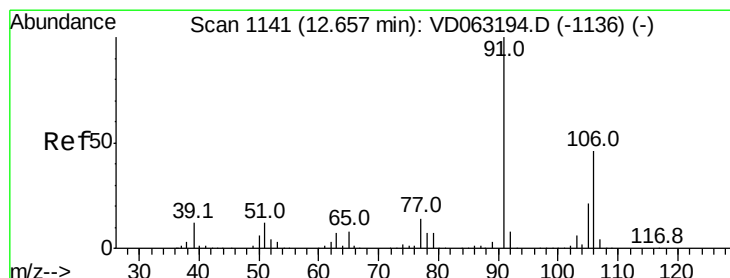
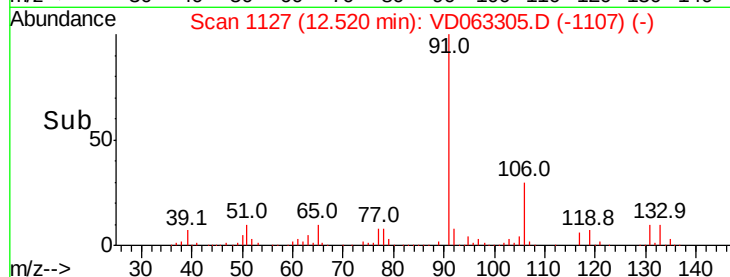
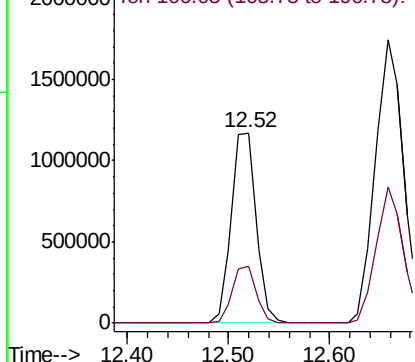
#67
Ethyl Benzene
Concen: 50.749 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2017451
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3

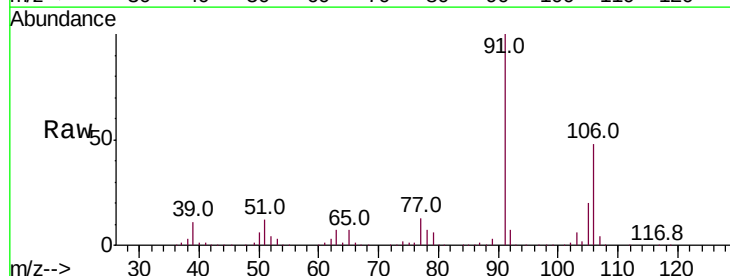


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

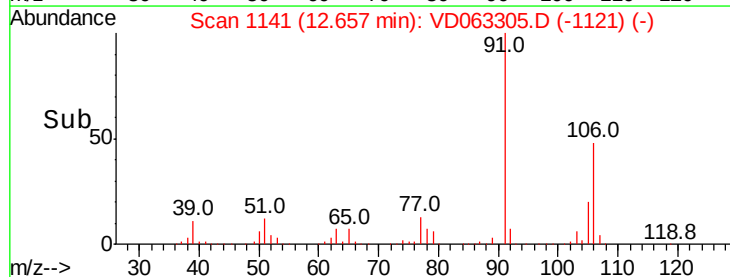
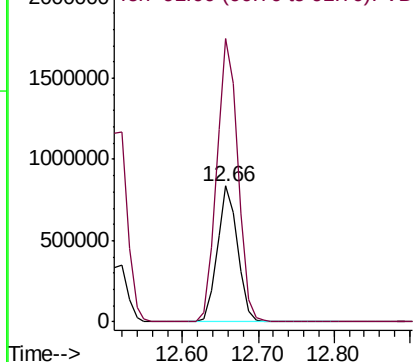


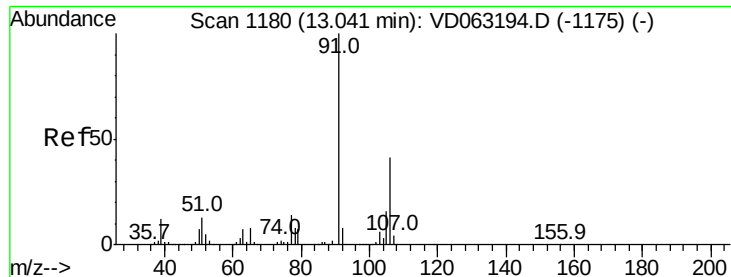
#68
m/p-Xylenes
Concen: 107.774 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 106 Resp: 1571218
Ion Ratio Lower Upper
106 100
91 208.6 172.6 259.0



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

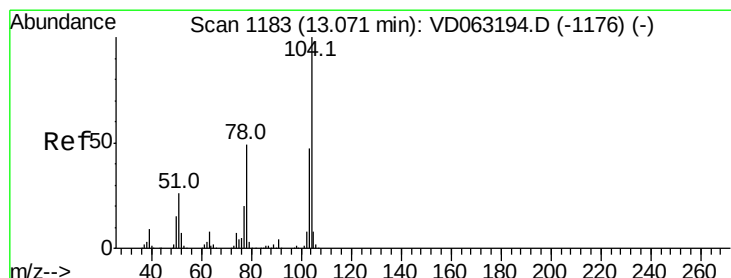
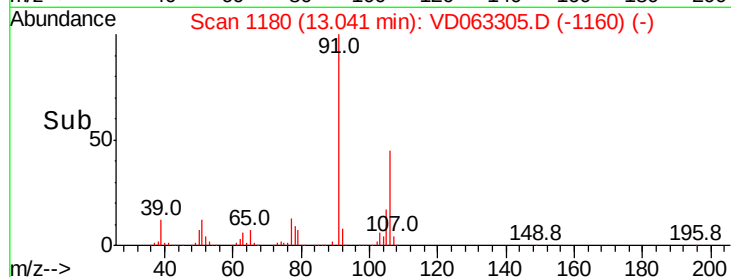
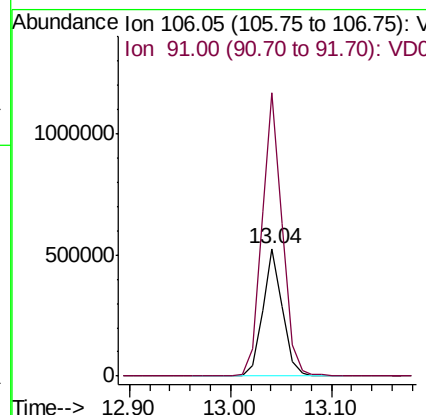
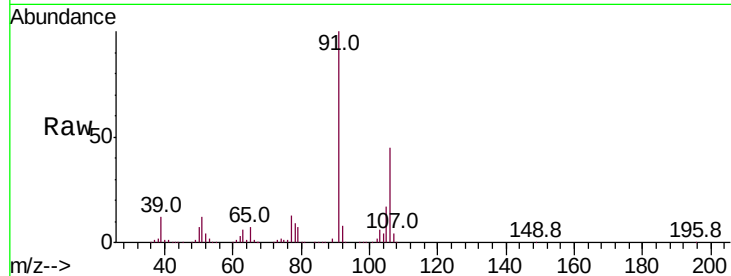




#69
o-Xylene
Concen: 53.538 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

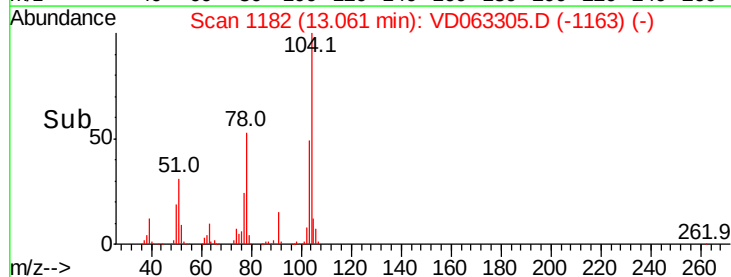
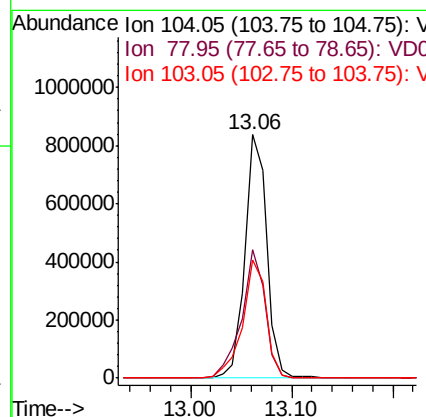
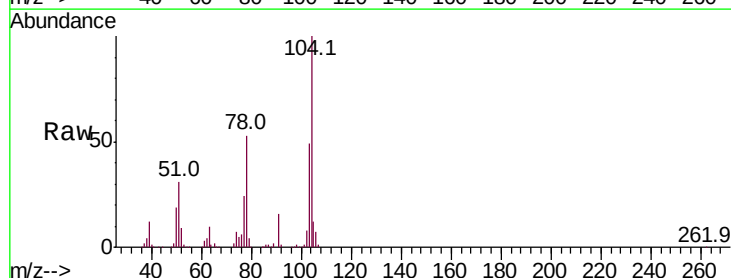
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

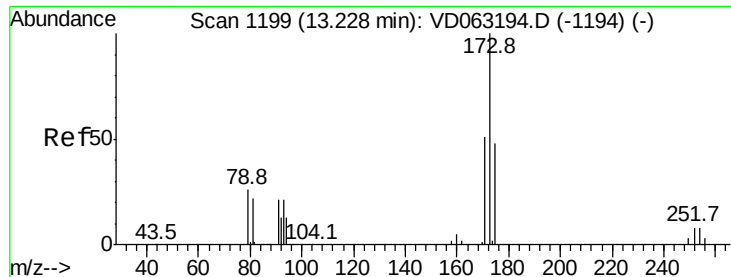
Tot Ion:106 Resp: 716754
Ion Ratio Lower Upper
106 100
91 222.5 121.3 363.9



#70
Styrene
Concen: 53.077 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion:104 Resp: 1260173
Ion Ratio Lower Upper
104 100
78 52.9 39.4 59.0
103 48.7 37.4 56.2





#71

Bromoform

Concen: 54.062 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

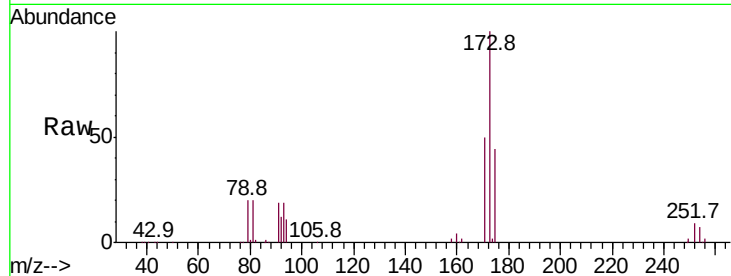
Tot Ion:173 Resp: 405260

Ion Ratio Lower Upper

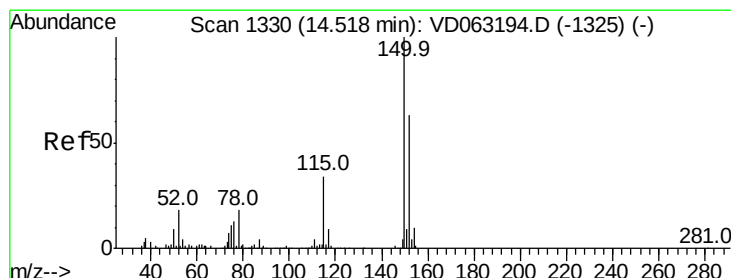
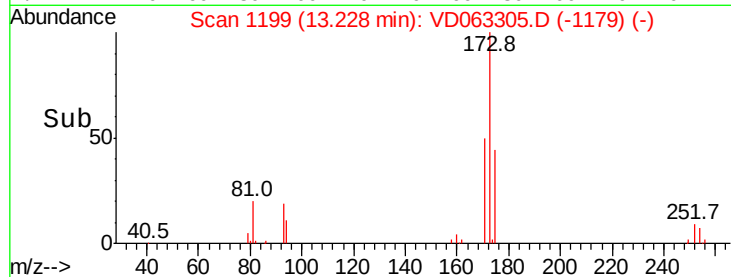
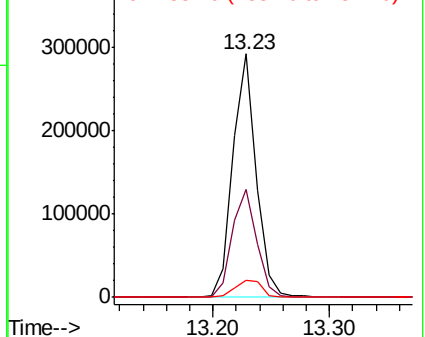
173 100

175 44.2 23.8 71.5

254 6.9 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

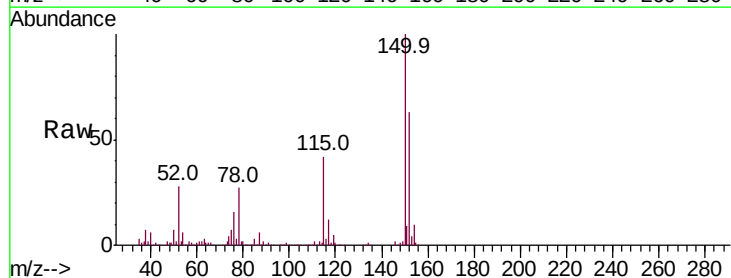
Tgt Ion:152 Resp: 609181

Ion Ratio Lower Upper

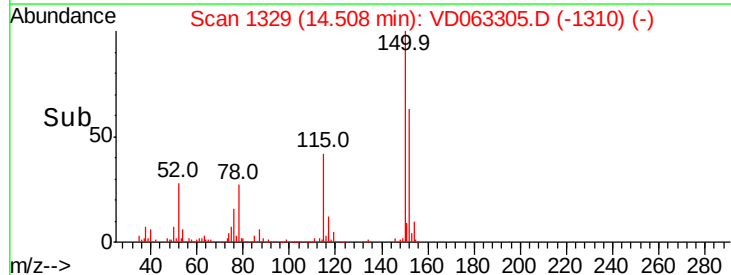
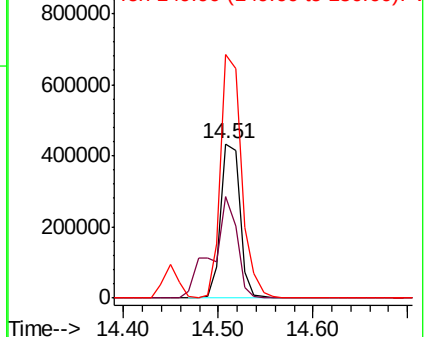
152 100

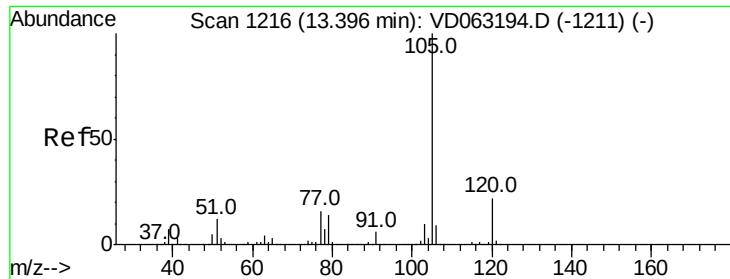
115 65.6 27.5 82.4

150 157.8 0.0 320.6



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





#73

Isopropylbenzene

Concen: 57.370 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

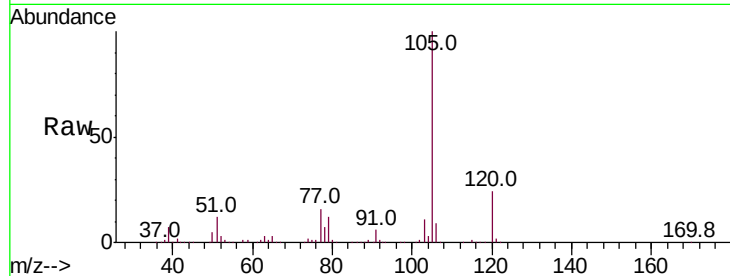
VSTDCCC050EC

Tot Ion:105 Resp: 2193497

Ion Ratio Lower Upper

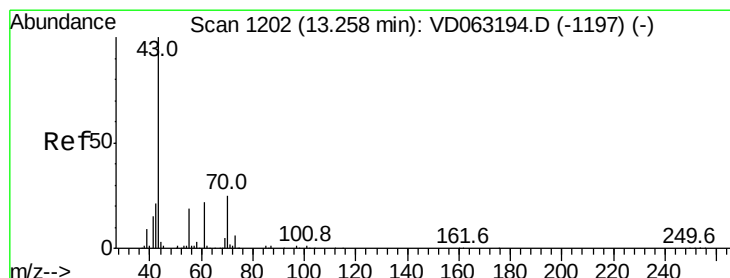
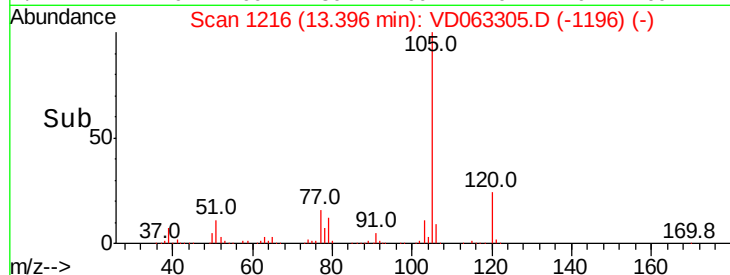
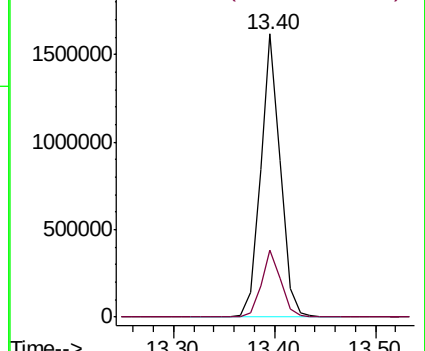
105 100

120 23.9 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.102 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Tgt Ion: 43 Resp: 597371

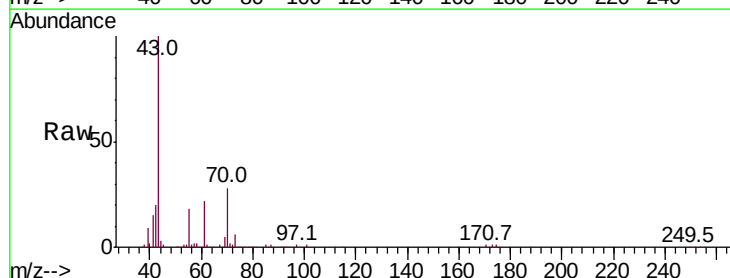
Ion Ratio Lower Upper

43 100

70 27.7 20.2 30.4

55 18.2 14.9 22.3

61 22.4 17.9 26.9

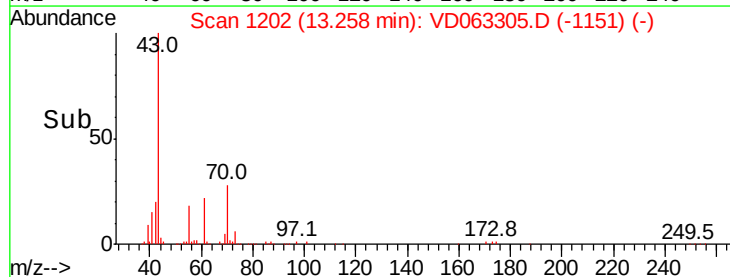
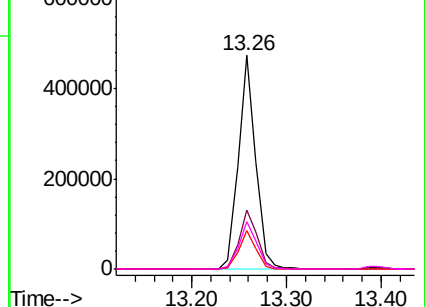


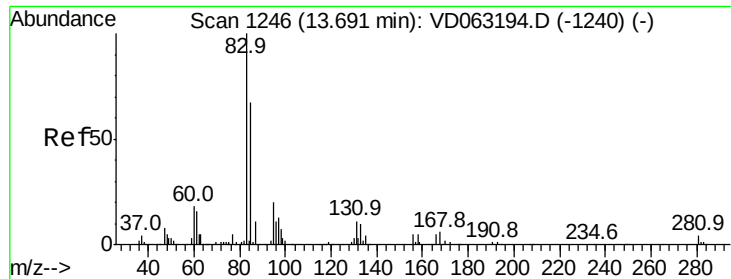
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 59.234 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

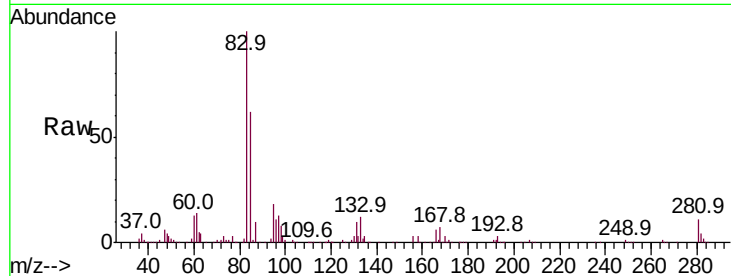
Tot Ion: 83 Resp: 384703

Ion Ratio Lower Upper

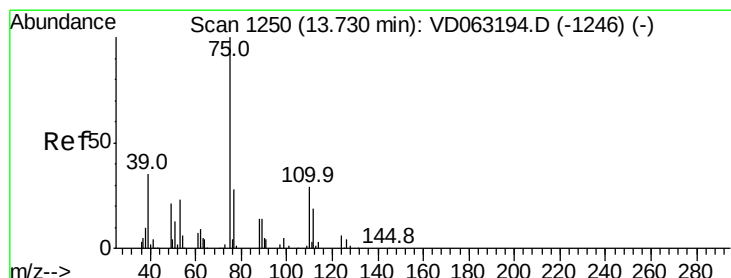
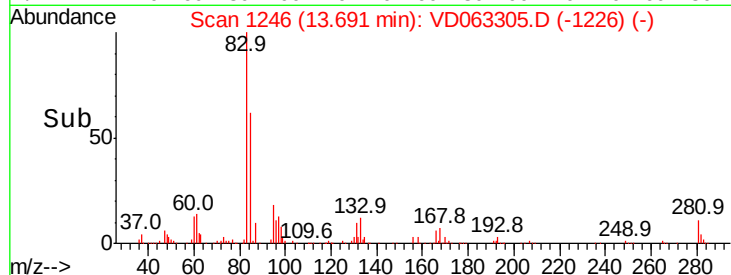
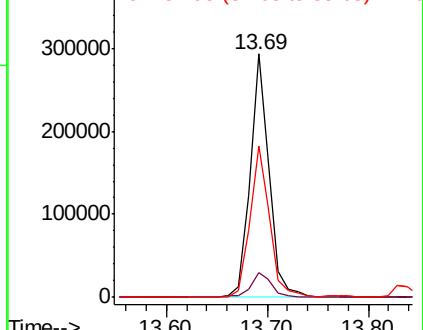
83 100

131 10.1 5.5 16.7

85 62.2 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 56.168 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063305.D

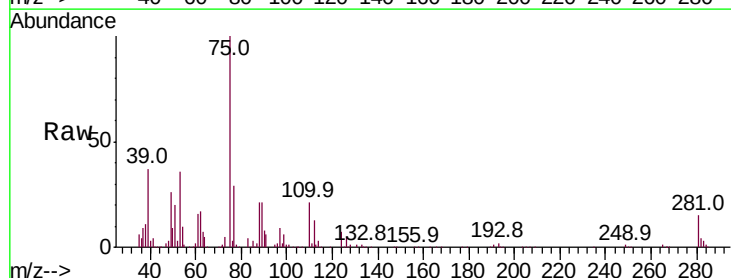
Acq: 1 Aug 2019 21:03

Tgt Ion: 75 Resp: 410981

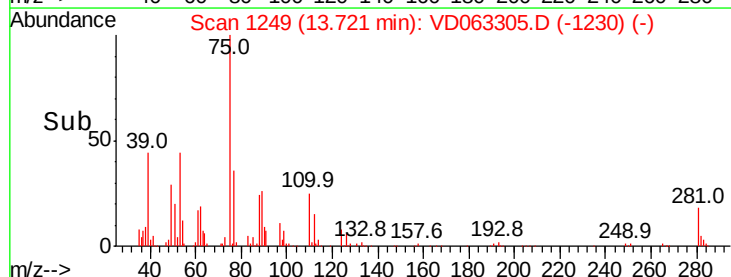
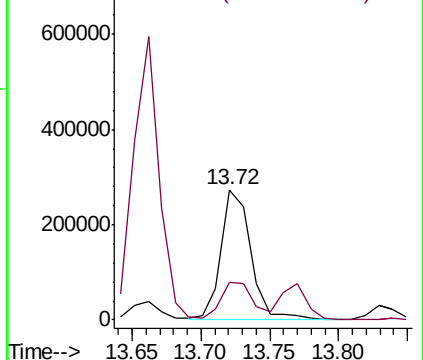
Ion Ratio Lower Upper

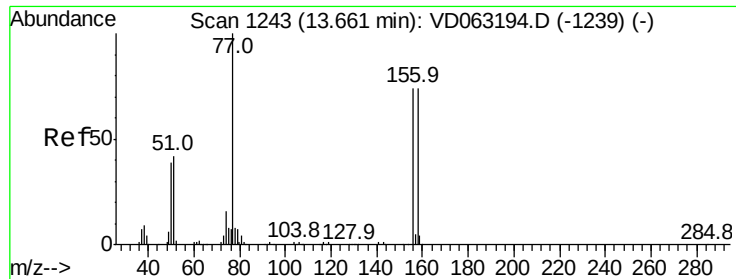
75 100

77 29.3 16.0 48.0



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





#77

Bromobenzene

Concen: 57.240 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

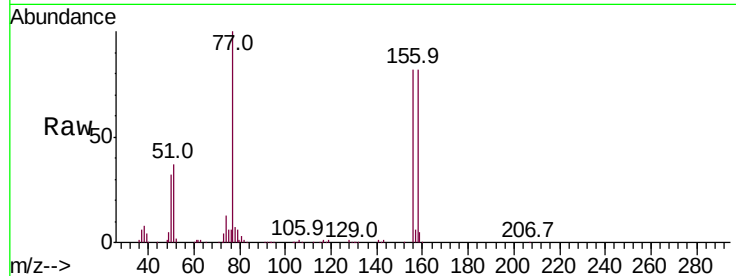
Tot Ion:156 Resp: 623443

Ion Ratio Lower Upper

156 100

77 122.0 67.6 202.8

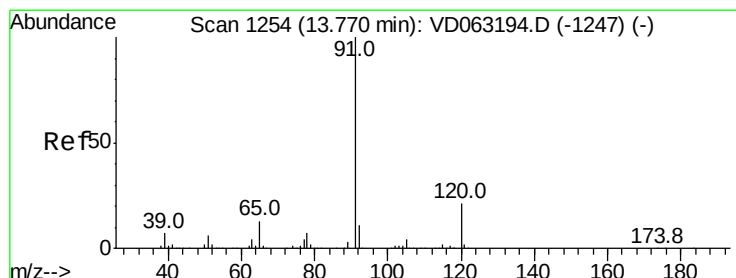
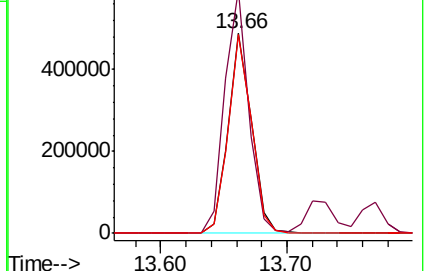
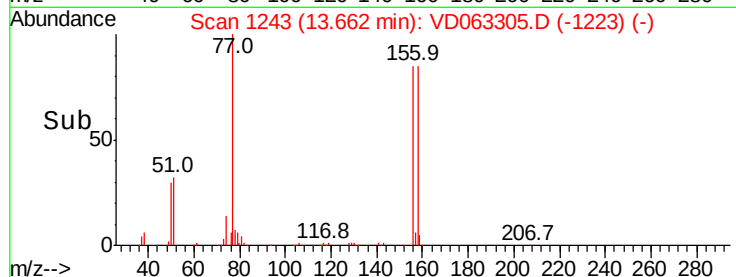
158 99.6 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.370 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063305.D

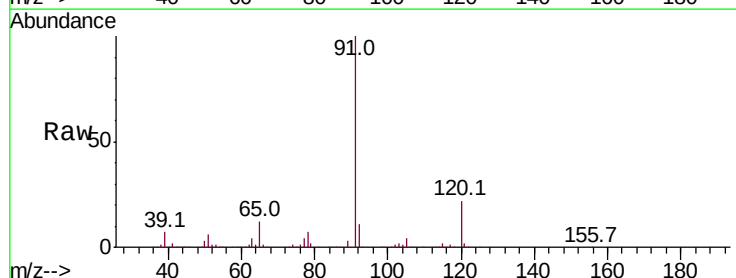
Acq: 1 Aug 2019 21:03

Tgt Ion: 91 Resp: 2473828

Ion Ratio Lower Upper

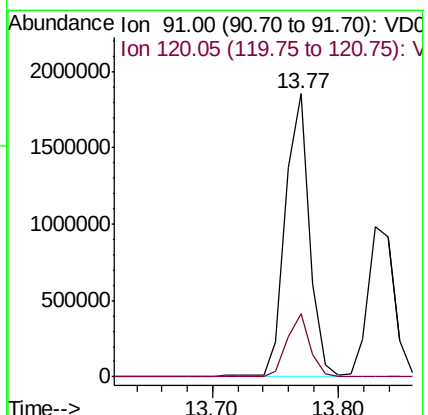
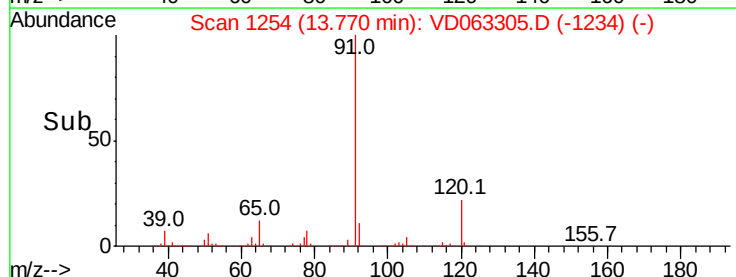
91 100

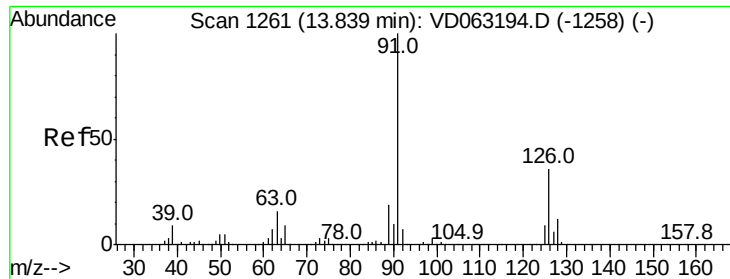
120 22.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

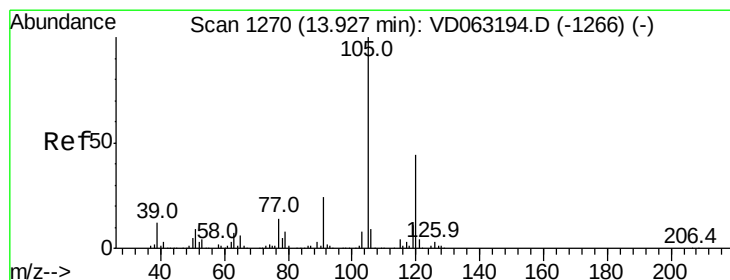
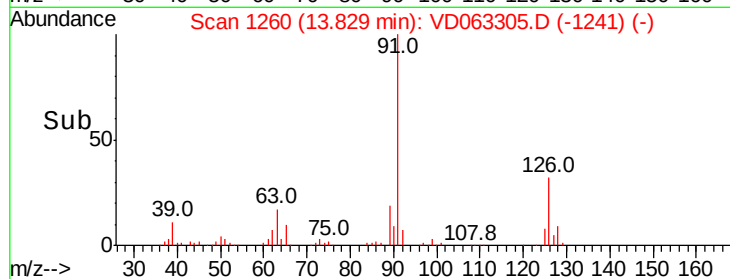
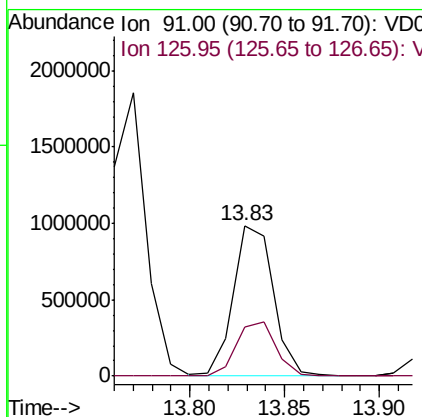
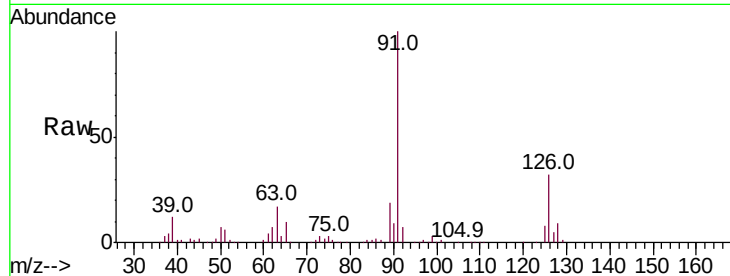




#79
 2-Chlorotoluene
 Concen: 54.596 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

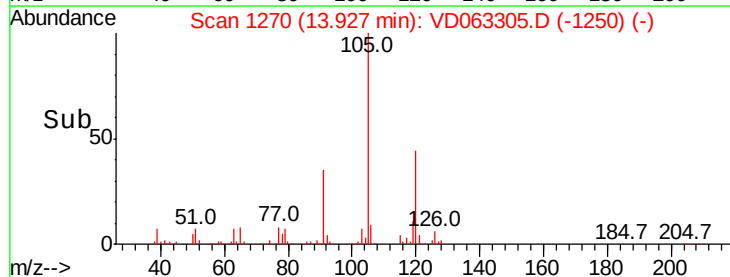
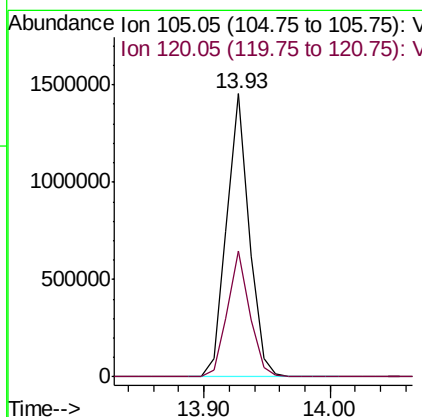
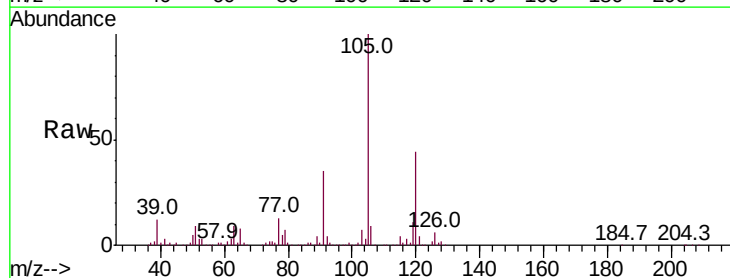
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

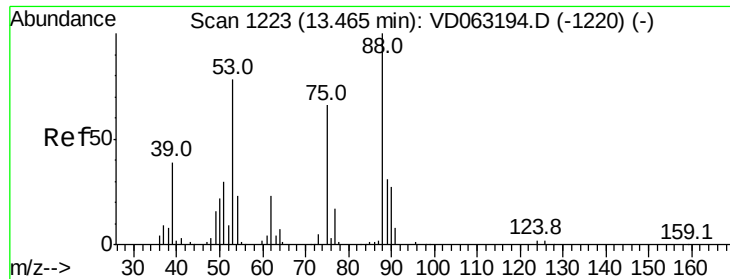
Tot Ion: 91 Resp: 1439358
 Ion Ratio Lower Upper
 91 100
 126 32.2 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 54.216 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion:105 Resp: 1787853
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.1

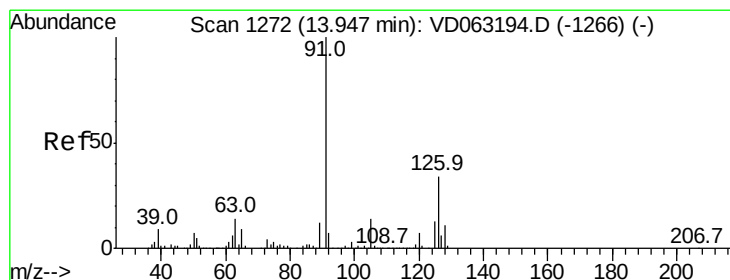
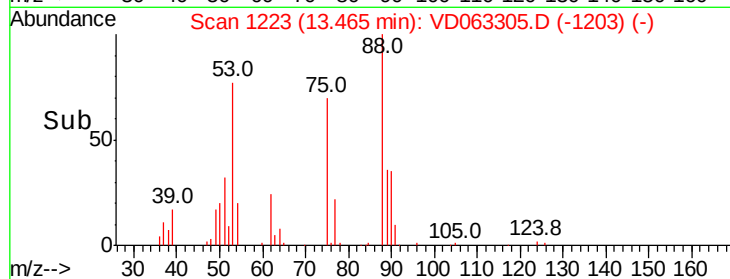
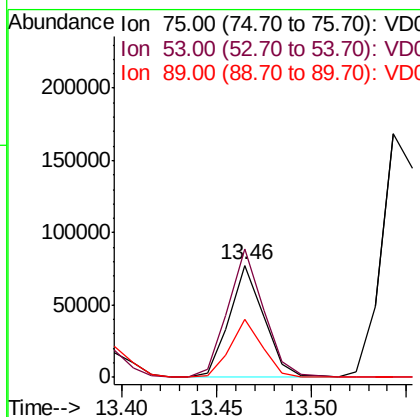
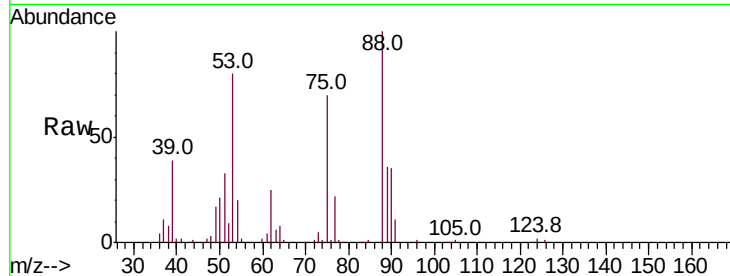




#81
trans-1,4-Dichloro-2-butene
Concen: 48.775 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

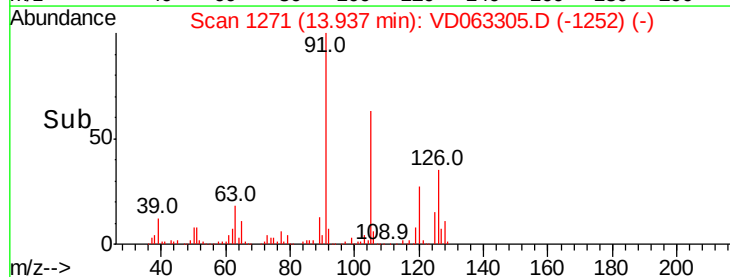
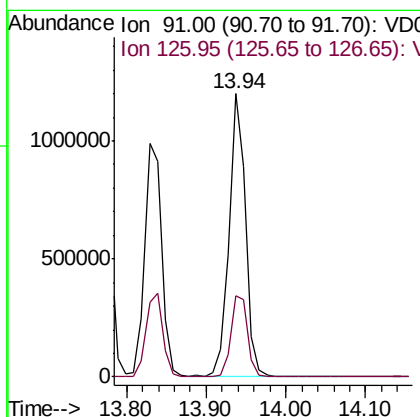
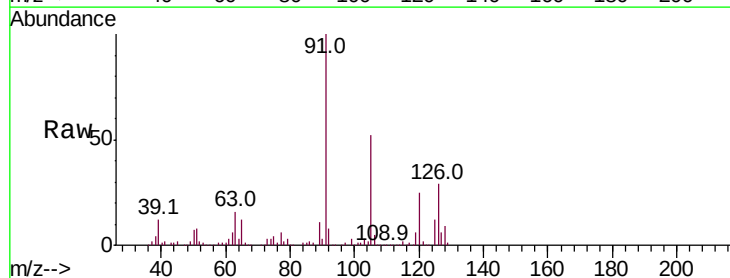
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

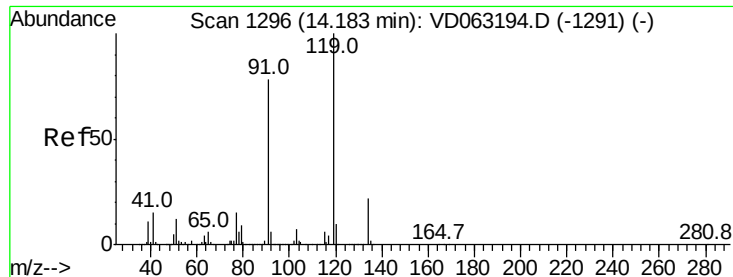
Tot Ion: 75 Resp: 99100
Ion Ratio Lower Upper
75 100
53 115.0 94.9 142.3
89 51.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 56.073 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 91 Resp: 1739771
Ion Ratio Lower Upper
91 100
126 28.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 55.150 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

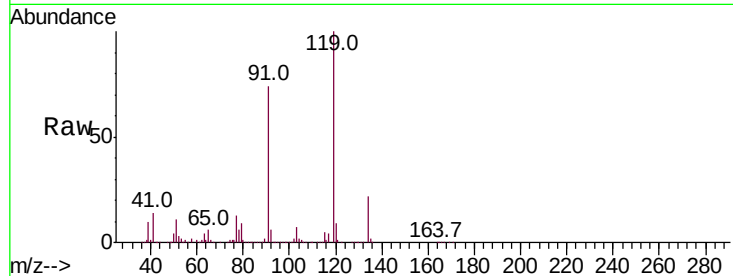
Tot Ion:119 Resp: 2076559

Ion Ratio Lower Upper

119 100

91 73.6 39.1 117.5

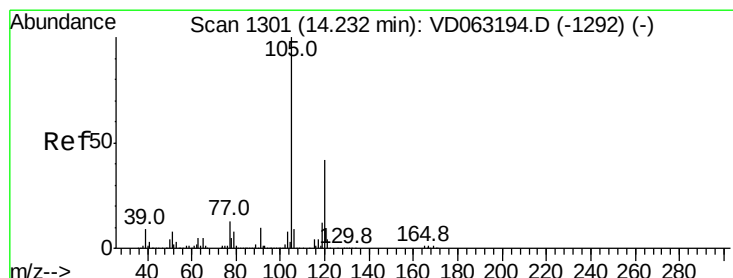
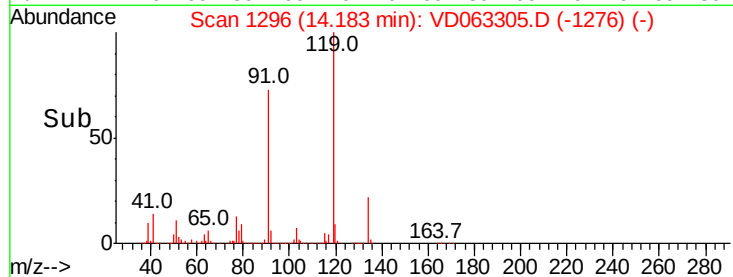
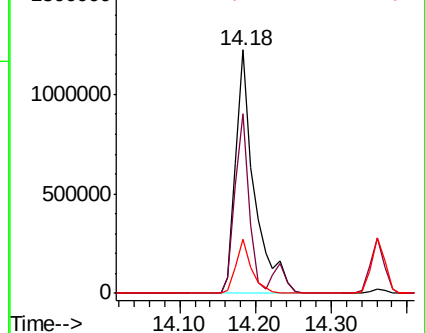
134 22.1 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.562 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063305.D

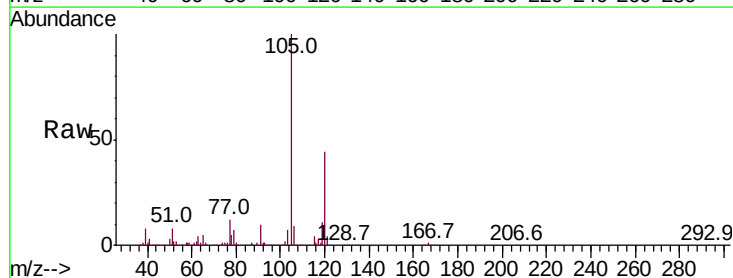
Acq: 1 Aug 2019 21:03

Tgt Ion:105 Resp: 1792834

Ion Ratio Lower Upper

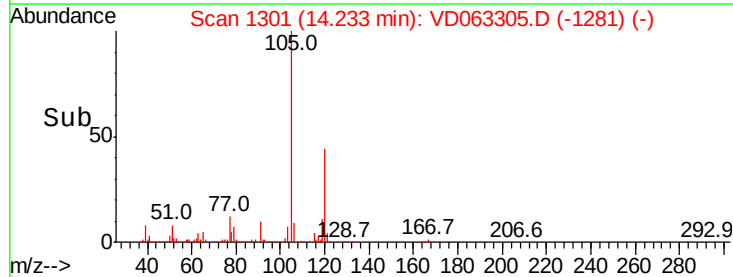
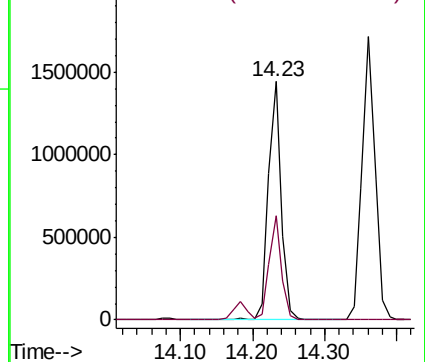
105 100

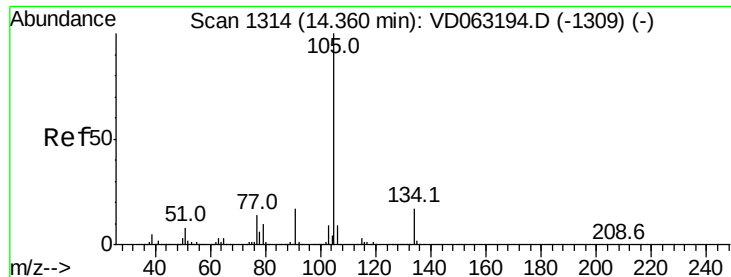
120 43.7 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.249 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

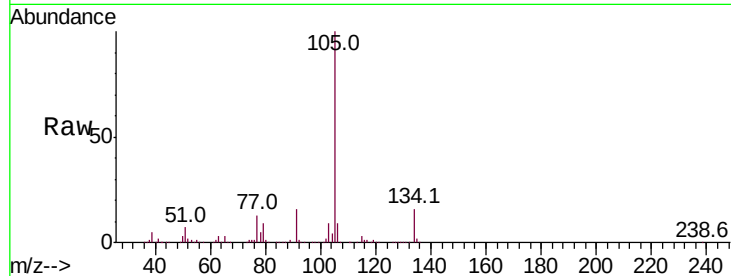
VSTDCCC050EC

Tot Ion:105 Resp: 2112409

Ion Ratio Lower Upper

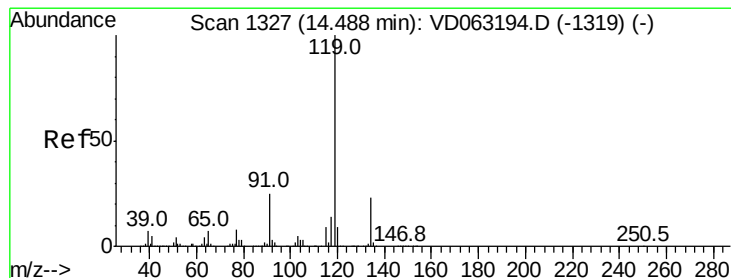
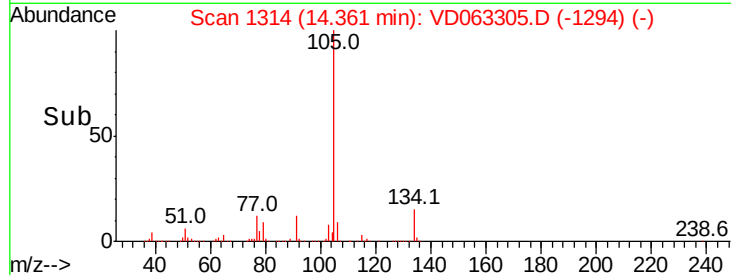
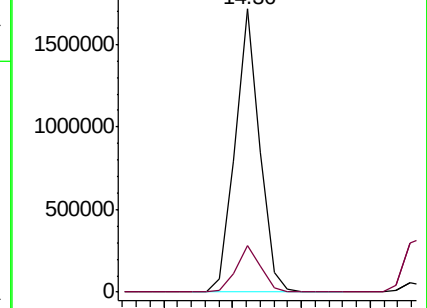
105 100

134 16.3 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.616 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063305.D

Acq: 1 Aug 2019 21:03

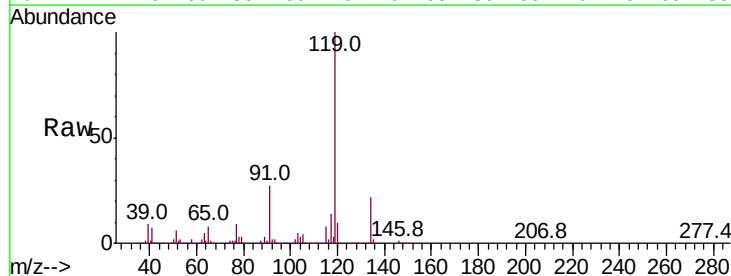
Tgt Ion:119 Resp: 1954359

Ion Ratio Lower Upper

119 100

134 22.0 11.5 34.5

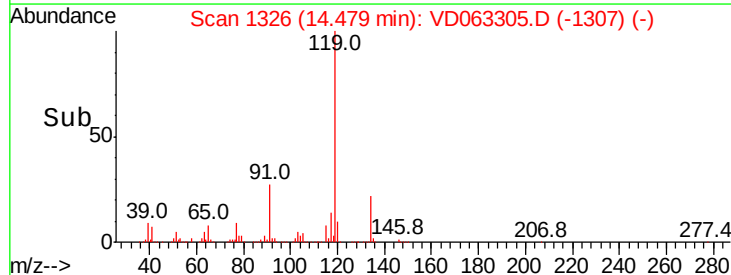
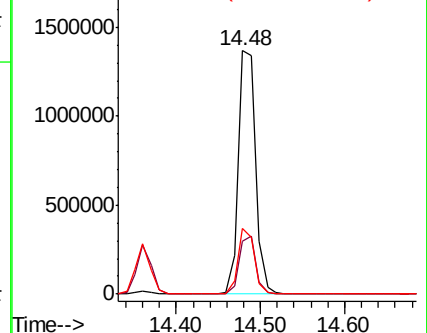
91 27.1 12.6 37.6

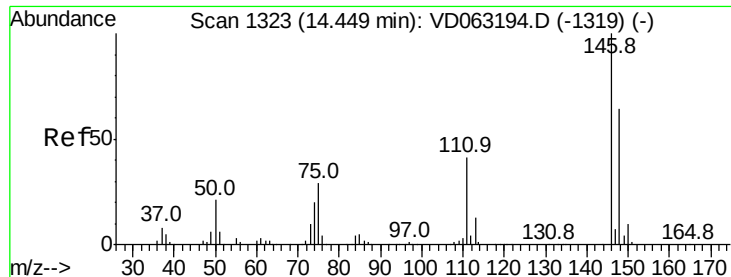


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

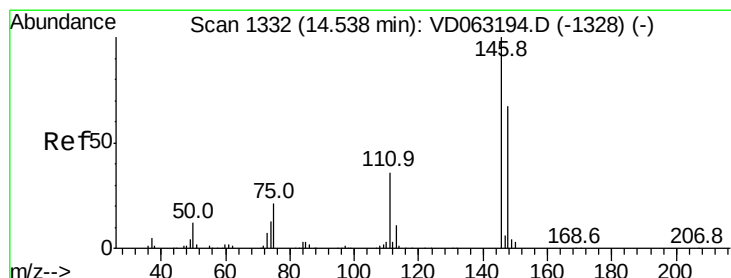
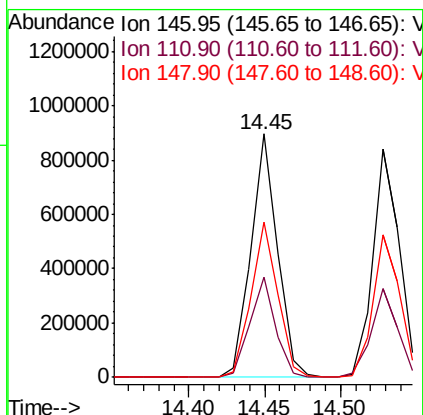
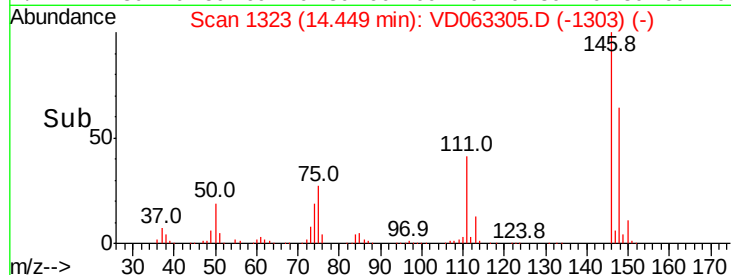
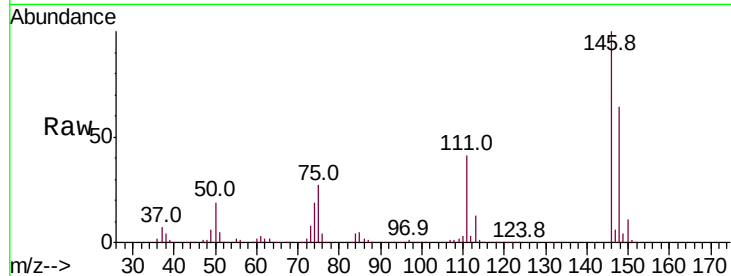




#87
 1,3-Dichlorobenzene
 Concen: 56.887 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

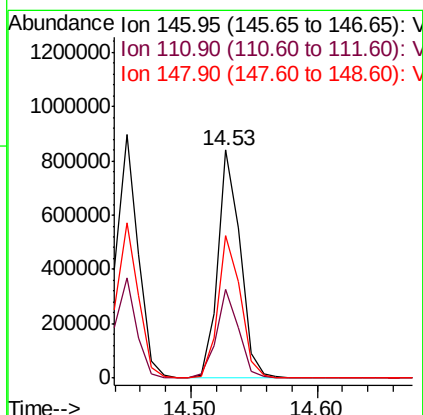
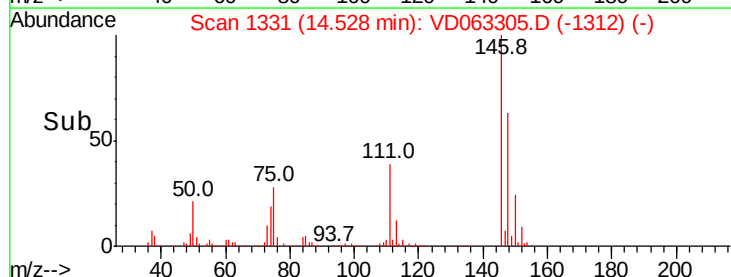
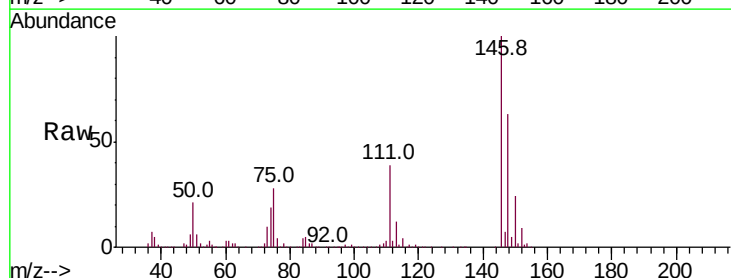
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

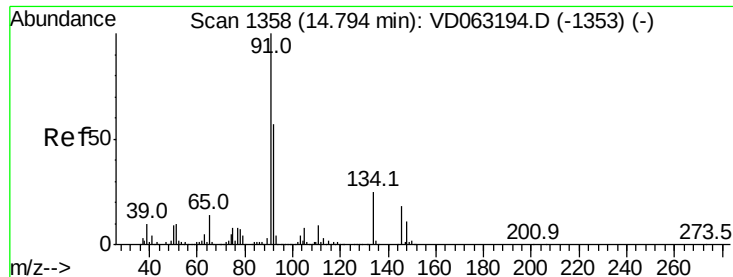
Tot Ion:146 Resp: 1097269
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.4 61.3
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 53.045 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion:146 Resp: 1034621
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.1 54.3
 148 62.6 33.4 100.1

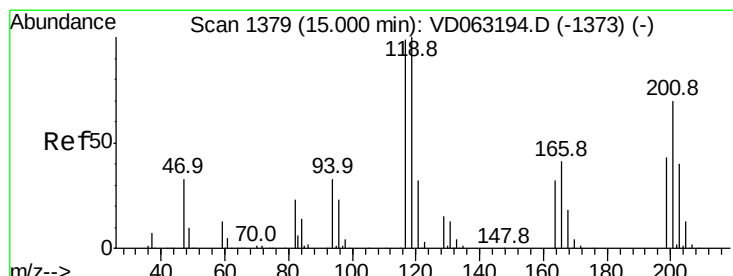
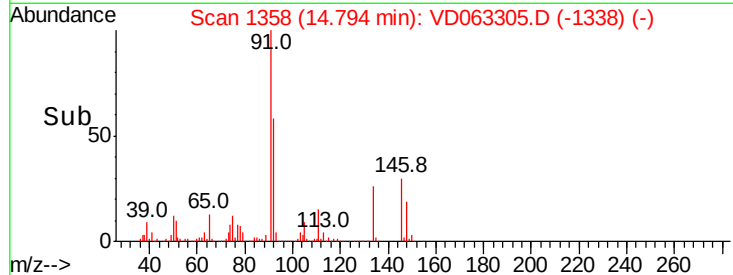
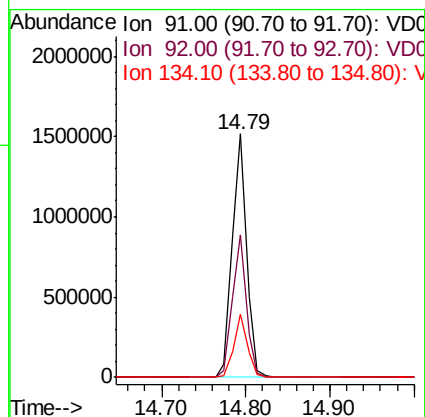
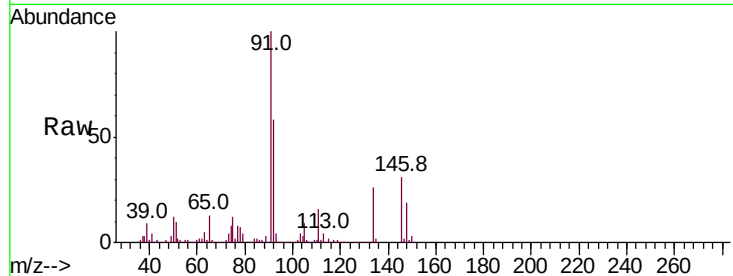




#89
n-Butylbenzene
Concen: 55.236 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

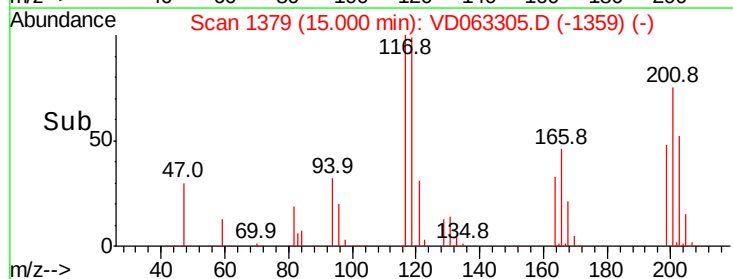
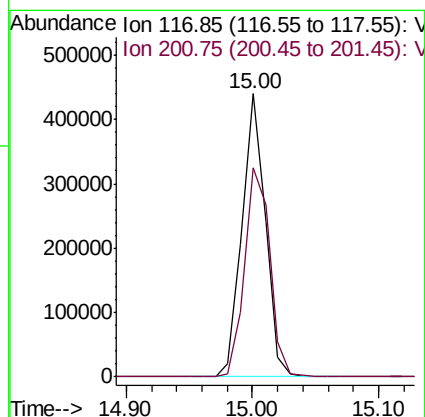
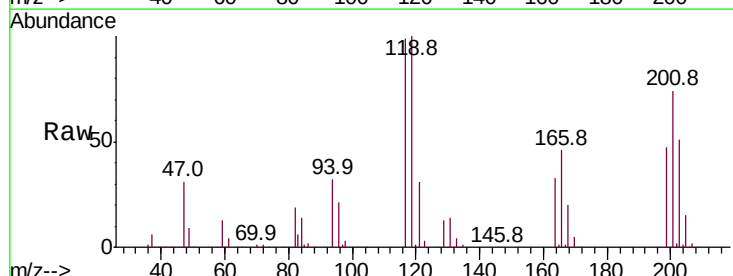
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

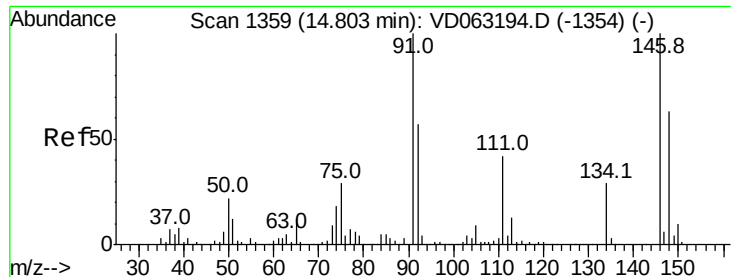
Tot Ion: 91 Resp: 1806341
Ion Ratio Lower Upper
91 100
92 58.3 28.3 85.0
134 25.8 12.3 36.8



#90
Hexachloroethane
Concen: 56.747 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion: 117 Resp: 559804
Ion Ratio Lower Upper
117 100
201 74.0 35.2 105.6

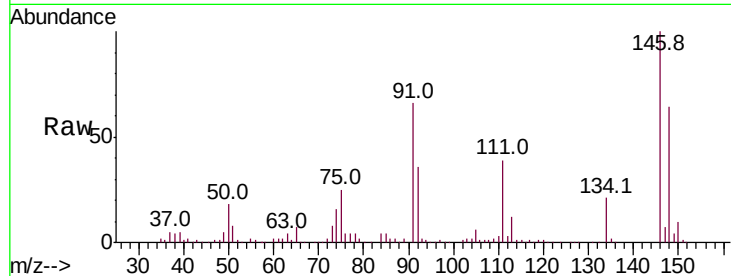




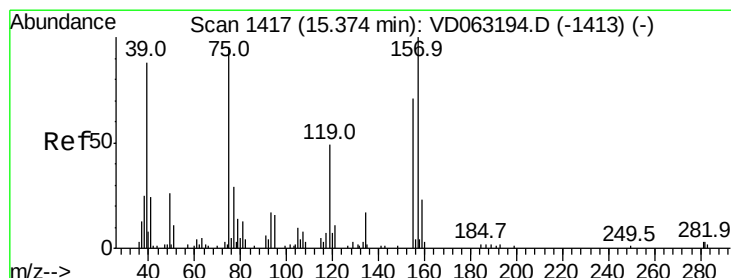
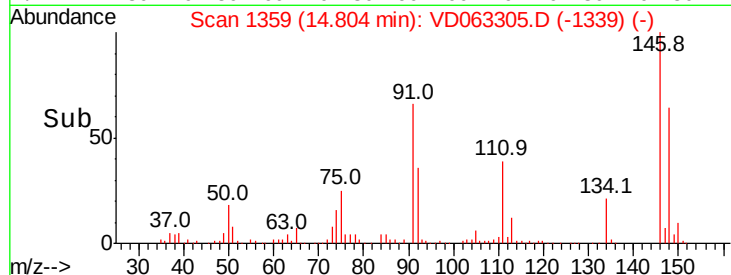
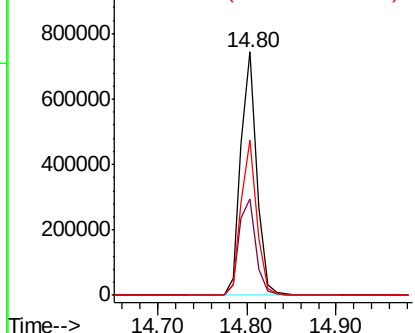
#91
 1,2-Dichlorobenzene
 Concen: 55.359 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 930348
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.1 63.3
 148 63.7 31.6 94.8

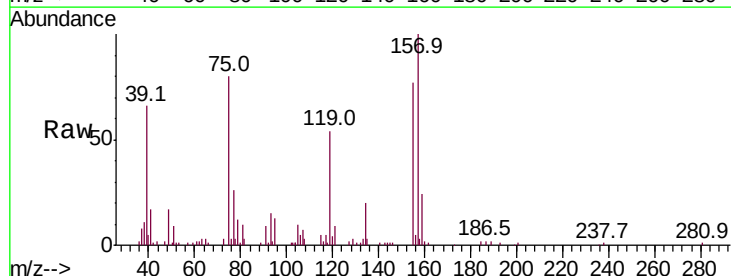


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

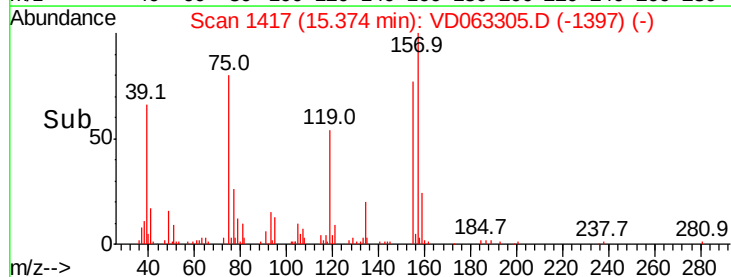
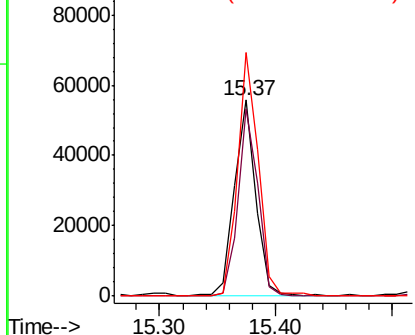


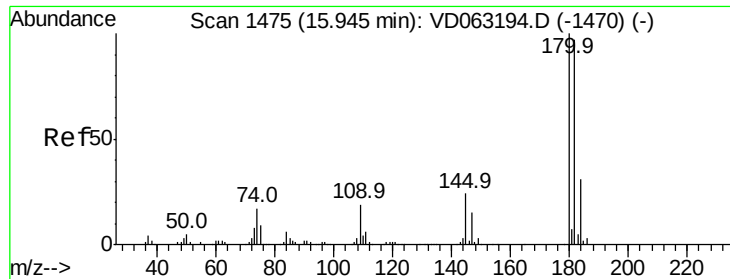
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.332 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion: 75 Resp: 70554
 Ion Ratio Lower Upper
 75 100
 155 96.0 37.0 111.0
 157 124.5 52.4 157.2



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

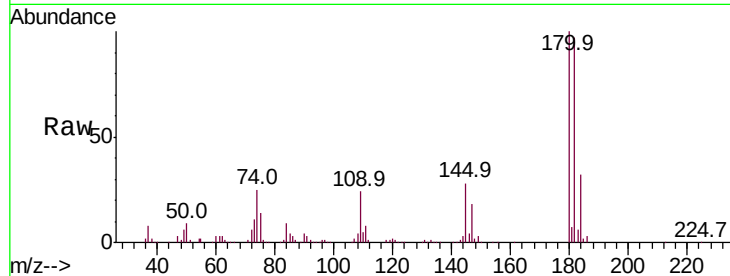




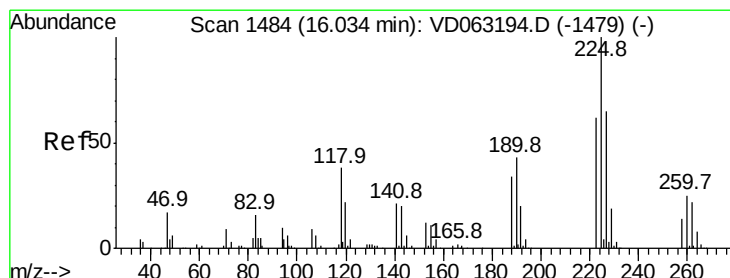
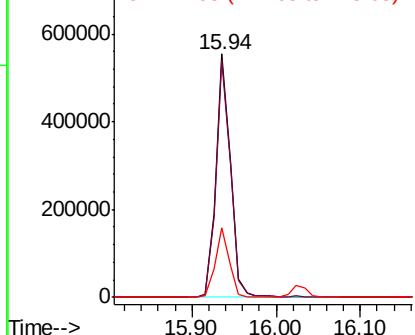
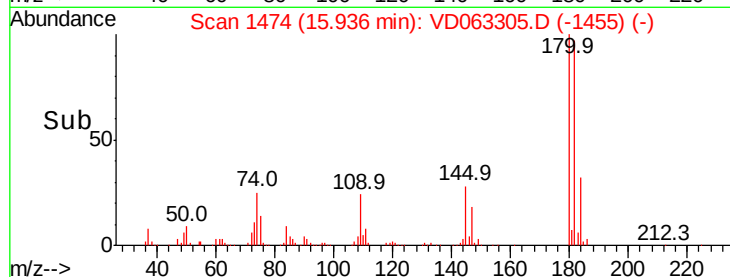
#93
 1,2,4-Trichlorobenzene
 Concen: 49.915 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 665463
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.6 145.8
 145 28.3 12.2 36.6

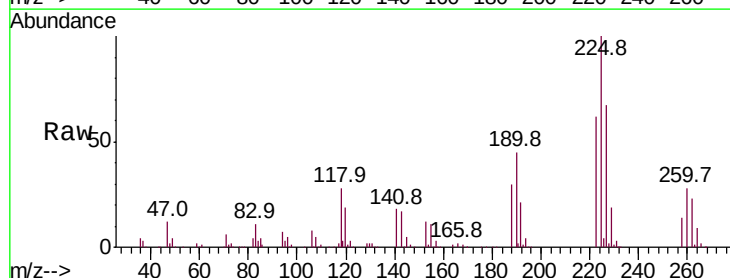


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

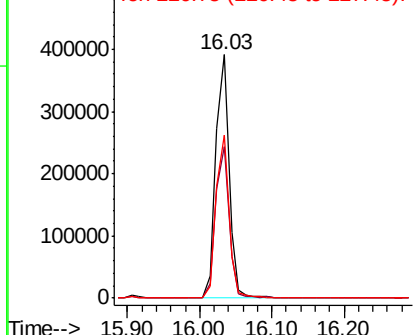
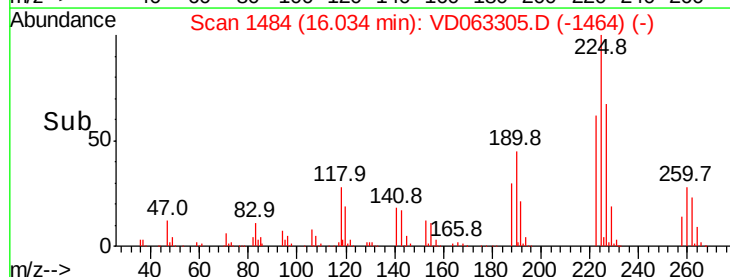


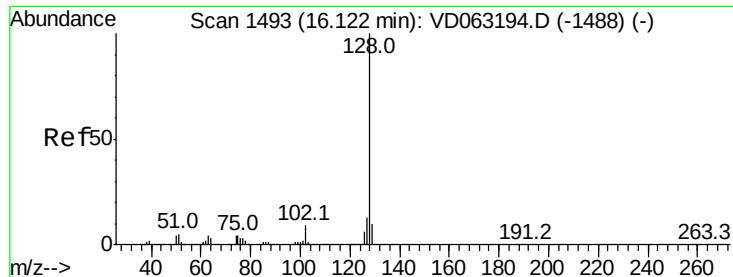
#94
 Hexachlorobutadiene
 Concen: 51.394 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063305.D
 Acq: 1 Aug 2019 21:03

Tgt Ion:225 Resp: 496543
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.5
 227 67.1 32.6 97.7



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

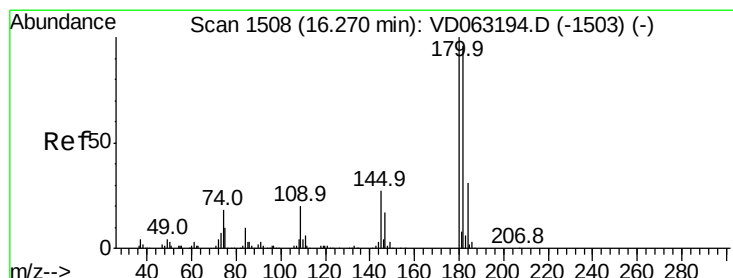
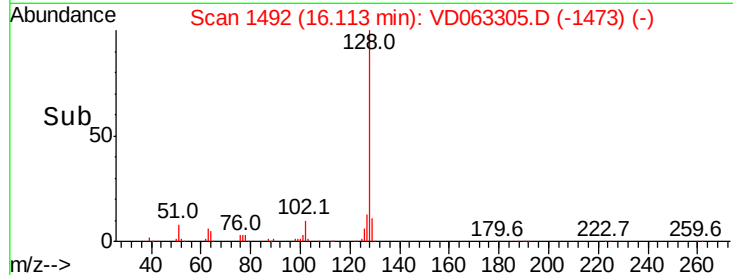
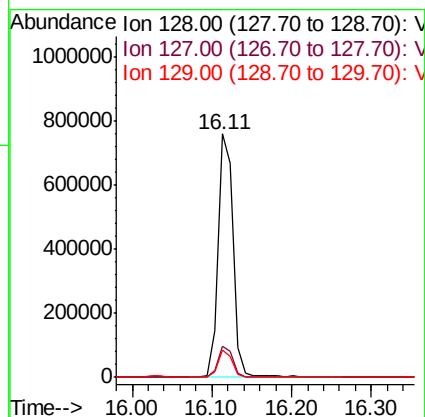
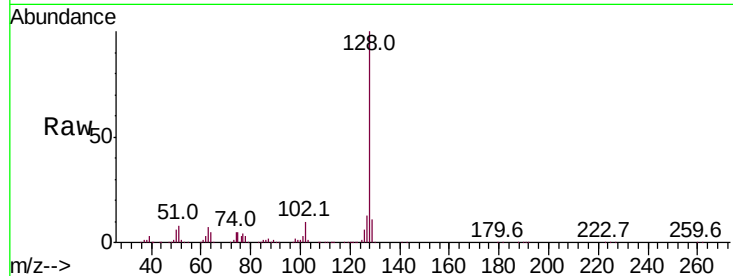




#95
Naphthalene
Concen: 54.059 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1018650
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 56.197 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063305.D
Acq: 1 Aug 2019 21:03

Tgt Ion:180 Resp: 591876
Ion Ratio Lower Upper
180 100
182 94.7 48.3 144.9
145 29.7 13.6 40.7

