

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080319\
 Data File : VD063373.D
 Acq On : 3 Aug 2019 20:33
 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 04 06:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	808645	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1096719	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	931121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	553175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	513347	57.21	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.42%	
35) Dibromofluoromethane	6.93	113	553671	59.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	118.26%	
50) Toluene-d8	10.41	98	1267933	60.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	121.02%	
62) 4-Bromofluorobenzene	13.56	95	607524	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	525666	53.180	ug/l	95
3) Chloromethane	1.74	50	418192	54.454	ug/l	96
4) Vinyl Chloride	1.84	62	451760	56.823	ug/l	91
5) Bromomethane	2.15	94	236766	59.049	ug/l	97
6) Chloroethane	2.26	64	222412	60.593	ug/l	94
7) Trichlorofluoromethane	2.53	101	925635	60.015	ug/l	97
8) Diethyl Ether	2.87	74	116732	54.078	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	525856	61.549	ug/l	95
10) Methyl Iodide	3.30	142	692256	56.088	ug/l	97
11) Tert butyl alcohol	4.08	59	92581	235.117	ug/l #	83
12) 1,1-Dichloroethene	3.12	96	383564	61.154	ug/l	90
13) Acrolein	3.03	56	96386	254.343	ug/l	100
14) Allyl chloride	3.61	41	555797	55.625	ug/l	89
15) Acrylonitrile	4.20	53	269499	263.990	ug/l	98
16) Acetone	3.22	43	419617	240.024	ug/l	96
17) Carbon Disulfide	3.38	76	1090245	51.932	ug/l	98
18) Methyl Acetate	3.64	43	182901	54.466	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	815855	57.585	ug/l	97
20) Methylene Chloride	3.81	84	403427	57.090	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	426746	60.638	ug/l	96
22) Diisopropyl ether	5.12	45	1098816	55.044	ug/l	96
23) Vinyl Acetate	5.06	43	3437640	280.144	ug/l	98
24) 1,1-Dichloroethane	4.98	63	724676	56.833	ug/l	97
25) 2-Butanone	6.07	43	446968	254.756	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	765461	58.252	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	432642	57.339	ug/l	96
28) Bromochloromethane	6.44	49	276004	54.327	ug/l	92
29) Tetrahydrofuran	6.46	42	214742	258.518	ug/l	98
30) Chloroform	6.66	83	948661	59.950	ug/l	97
31) Cyclohexane	6.95	56	424607	53.126	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	978846	63.951	ug/l	98
36) 1,1-Dichloropropene	7.15	75	606387	60.585	ug/l	99
37) Ethyl Acetate	6.19	43	233345	51.893	ug/l	96
38) Carbon Tetrachloride	7.11	117	1006521	66.798	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	491452	58.933	ug/l	96
40) Benzene	7.45	78	1280458	61.041	ug/l	100
41) Methacrylonitrile	6.45	41	293696	54.602	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	714844	64.300	ug/l	100
43) Isopropyl Acetate	9.24	43	324290	56.458	ug/l	100
44) Trichloroethene	8.54	130	505708	59.495	ug/l	93
45) 1,2-Dichloropropane	8.94	63	313434	58.786	ug/l	99
46) Dibromomethane	9.07	93	255362	57.601	ug/l	92
47) Bromodichloromethane	9.38	83	724697	64.127	ug/l	97
48) Methyl methacrylate	9.13	41	218183	58.568	ug/l	93
49) 1,4-Dioxane	9.09	88	34519	1094.231	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	1110516	284.284	ug/l	98
52) Toluene	10.51	92	854745	61.264	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	589080	60.462	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	619039	60.456	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	282439	59.941	ug/l	95
56) Ethyl methacrylate	11.05	69	293136	56.812	ug/l	94
57) 1,3-Dichloropropane	11.41	76	426963	57.510	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	698427	260.139	ug/l	100
59) 2-Hexanone	11.54	43	819267	291.027	ug/l	99
60) Dibromochloromethane	11.68	129	569272	63.996	ug/l	96
61) 1,2-Dibromoethane	11.80	107	353083	60.727	ug/l	98
64) Tetrachloroethene	11.26	164	475886	64.154	ug/l	96
65) Chlorobenzene	12.40	112	1116119	62.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	534953	67.810	ug/l	96
67) Ethyl Benzene	12.52	91	2051832	67.440	ug/l	99
68) m/p-Xylenes	12.67	106	1385918	124.213	ug/l	92
69) o-Xylene	13.05	106	658042	64.224	ug/l	91
70) Styrene	13.07	104	1114878	61.356	ug/l	97
71) Bromoform	13.23	173	354330	61.762	ug/l #	99
73) Isopropylbenzene	13.41	105	2090595	60.215	ug/l	97
74) N-amyl acetate	13.27	43	460813	50.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	342964	58.154	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	357031	53.735	ug/l	99
77) Bromobenzene	13.67	156	563609	56.986	ug/l	88
78) n-propylbenzene	13.77	91	2388884	57.819	ug/l	100
79) 2-Chlorotoluene	13.84	91	1307084	54.598	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1692847	56.532	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	80087	43.408	ug/l #	88
82) 4-Chlorotoluene	13.95	91	1616687	57.382	ug/l	98
83) tert-Butylbenzene	14.19	119	1947516	56.959	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1797500	58.034	ug/l	97
85) sec-Butylbenzene	14.37	105	1907307	52.946	ug/l	97
86) p-Isopropyltoluene	14.49	119	1993269	57.973	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	977583	55.814	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	988257	55.797	ug/l	99
89) n-Butylbenzene	14.80	91	1766677	59.492	ug/l	95
90) Hexachloroethane	15.00	117	511125	57.059	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	875245	57.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63322	52.712	ug/l	91

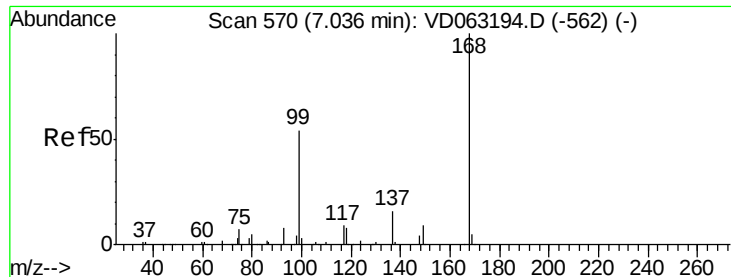
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	624373	51.574	ug/l	99
94) Hexachlorobutadiene	16.04	225	451320	51.443	ug/l	98
95) Naphthalene	16.12	128	897903	52.475	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	505156	52.819	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

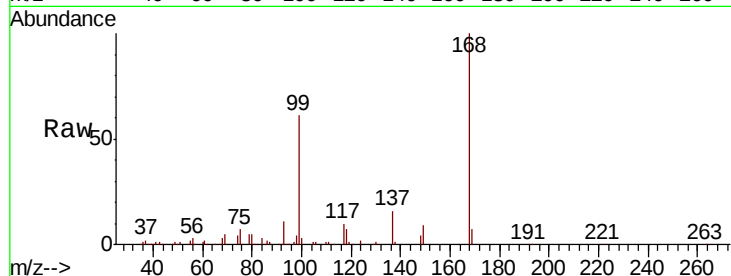
VSTDCCC050EC

Tot Ion:168 Resp: 808645

Ion Ratio Lower Upper

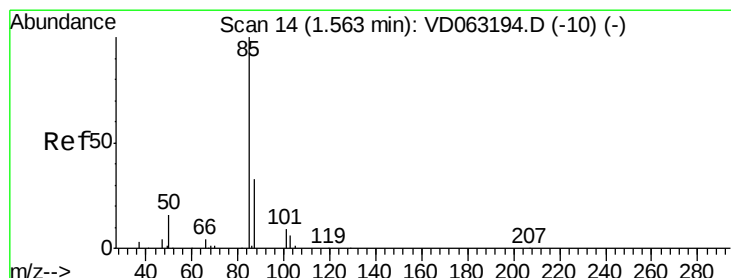
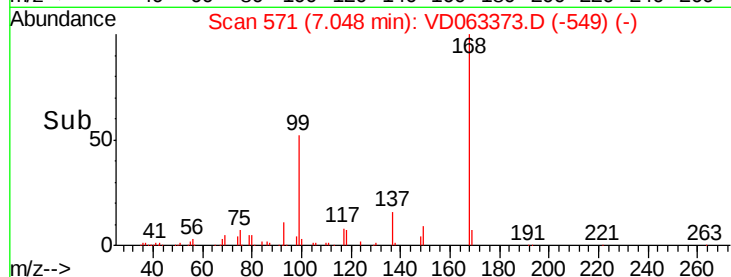
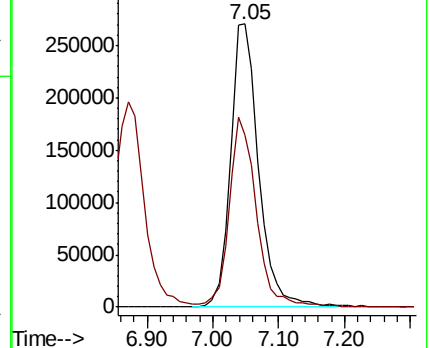
168 100

99 60.8 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: 53.180 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063373.D

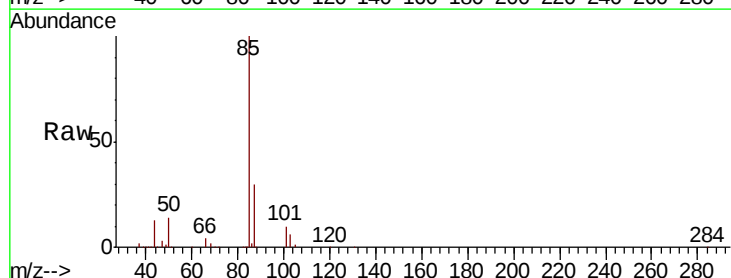
Acq: 3 Aug 2019 20:33

Tgt Ion: 85 Resp: 525666

Ion Ratio Lower Upper

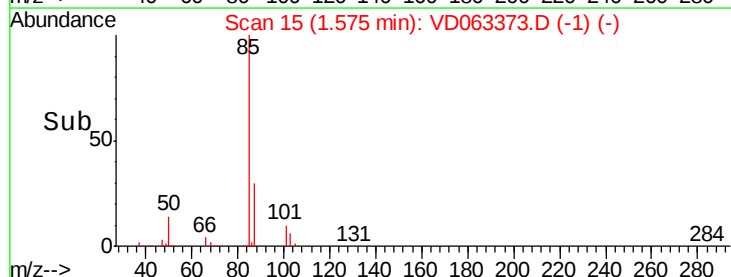
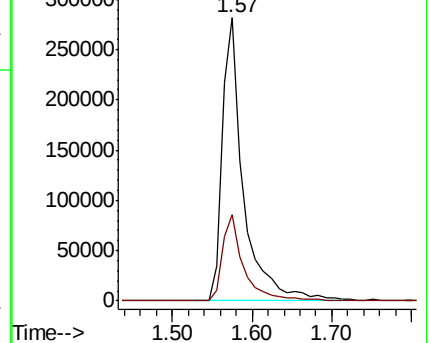
85 100

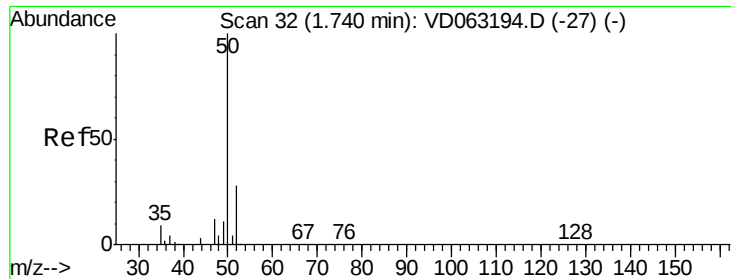
87 30.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.454 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

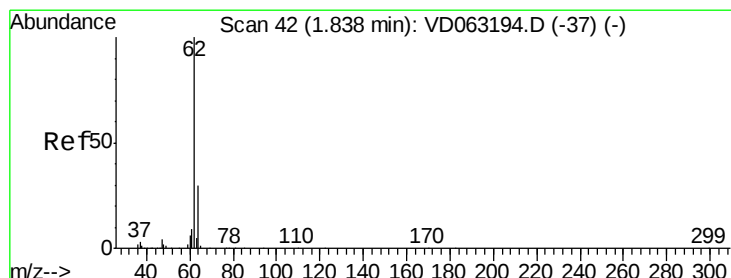
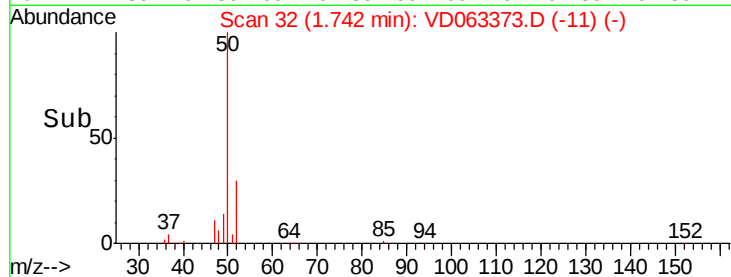
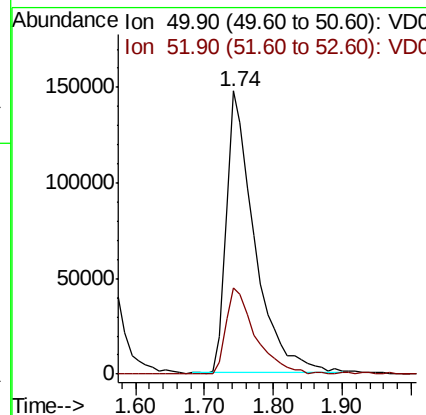
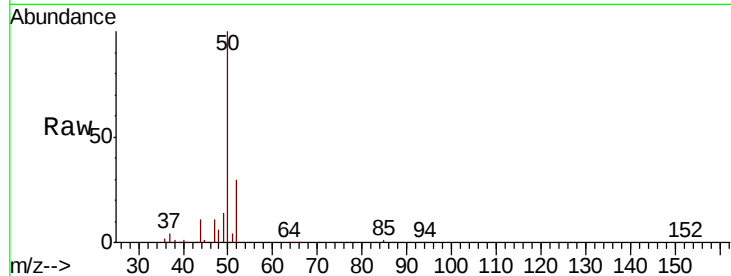
VSTDCCC050EC

Tot Ion: 50 Resp: 418192

Ion Ratio Lower Upper

50 100

52 30.3 22.6 34.0



#4

Vinyl Chloride

Concen: 56.823 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063373.D

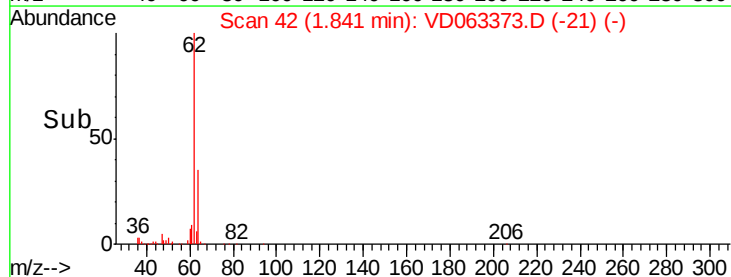
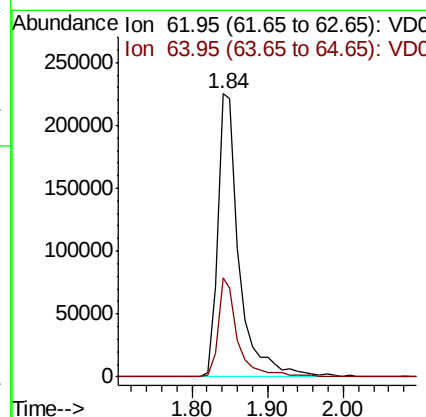
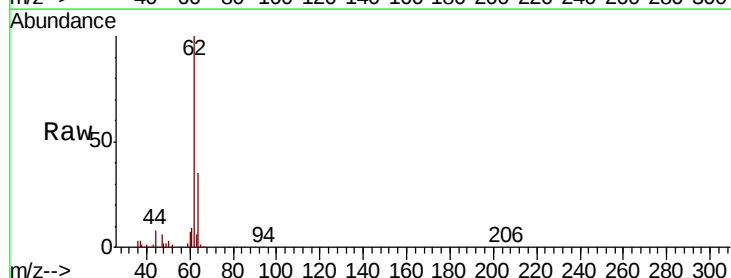
Acq: 3 Aug 2019 20:33

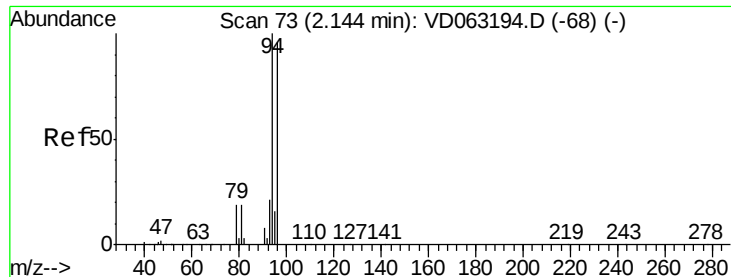
Tgt Ion: 62 Resp: 451760

Ion Ratio Lower Upper

62 100

64 35.0 24.1 36.1





#5

Bromomethane

Concen: 59.049 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

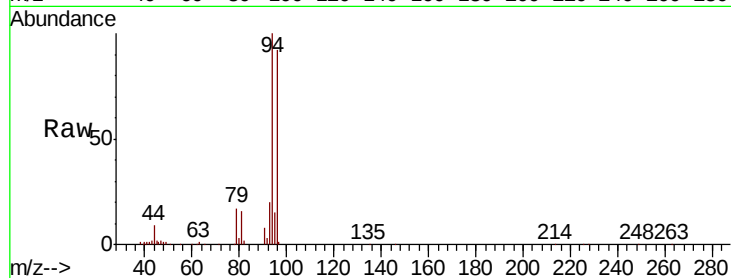
Tot Ion: 94 Resp: 236766

Ion Ratio Lower Upper

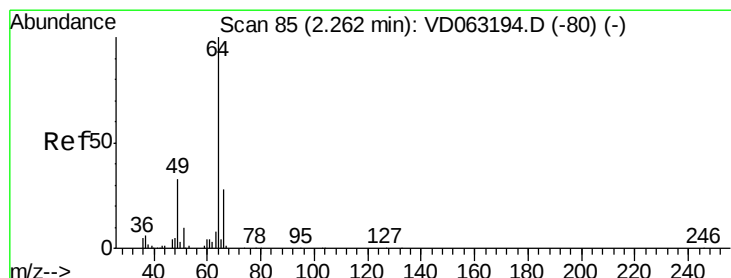
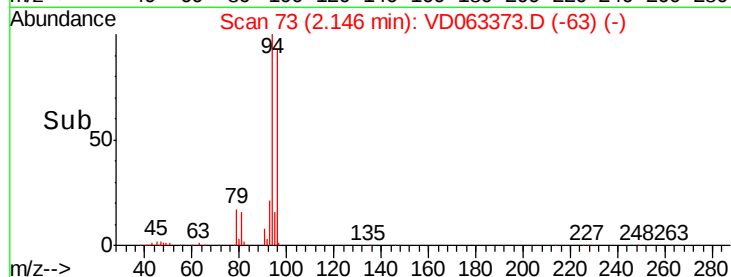
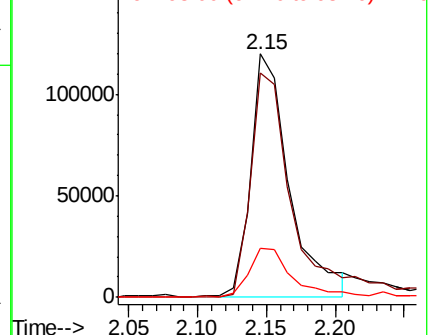
94 100

96 92.2 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: 60.593 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063373.D

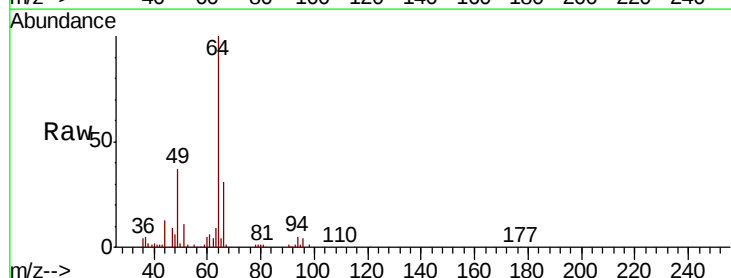
Acq: 3 Aug 2019 20:33

Tgt Ion: 64 Resp: 222412

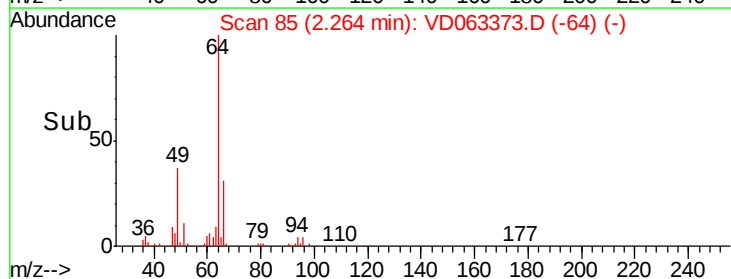
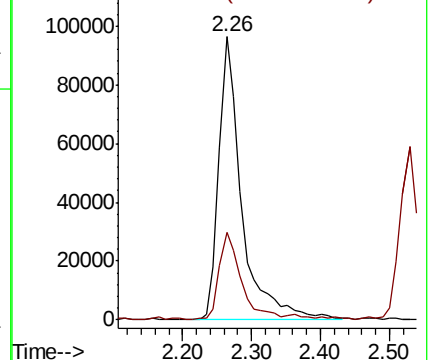
Ion Ratio Lower Upper

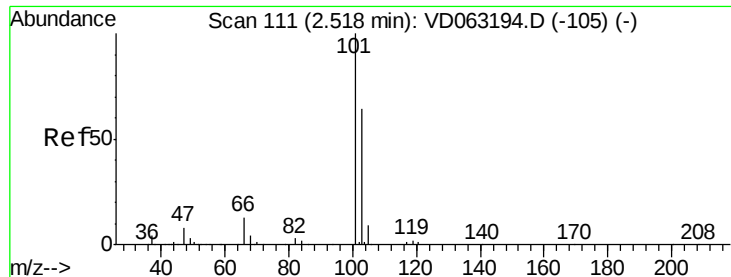
64 100

66 31.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



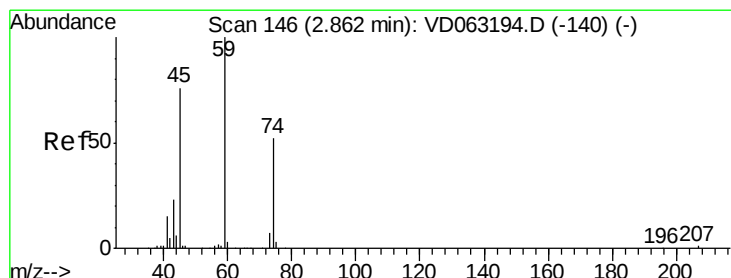
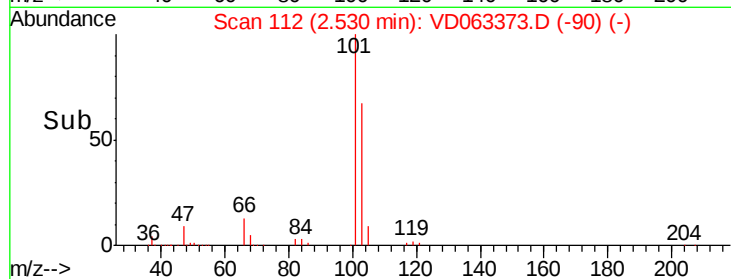
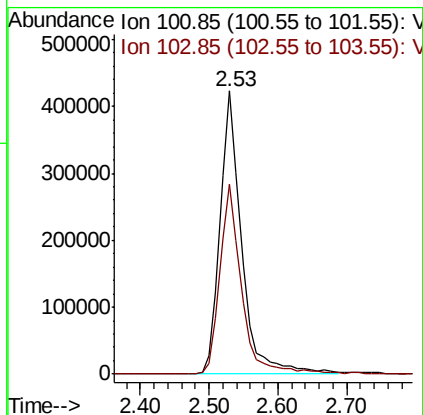
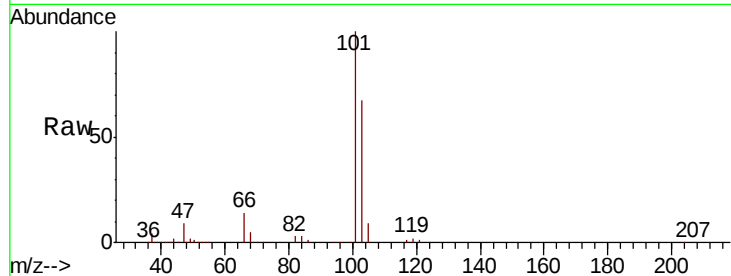


#7

Trichlorofluoromethane
Concen: 60.015 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

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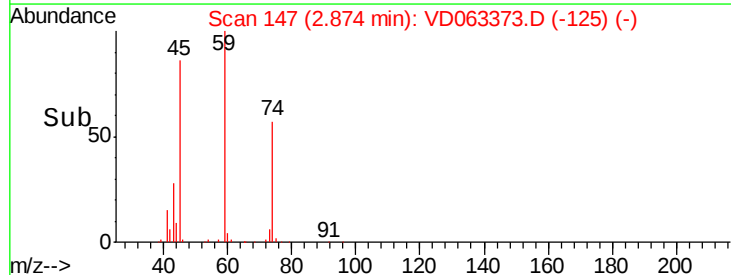
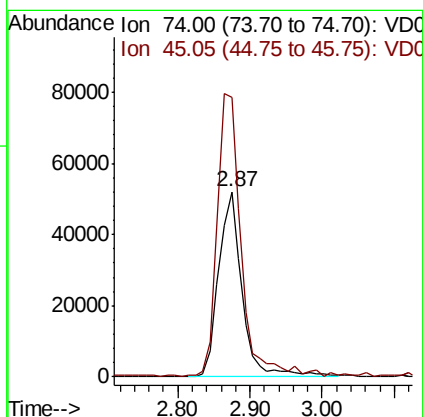
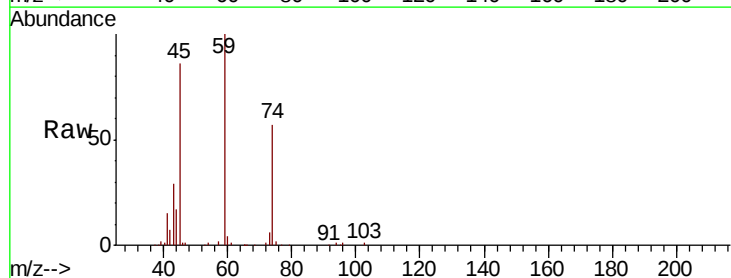
Tot Ion:101 Resp: 925635
Ion Ratio Lower Upper
101 100
103 67.0 51.5 77.3

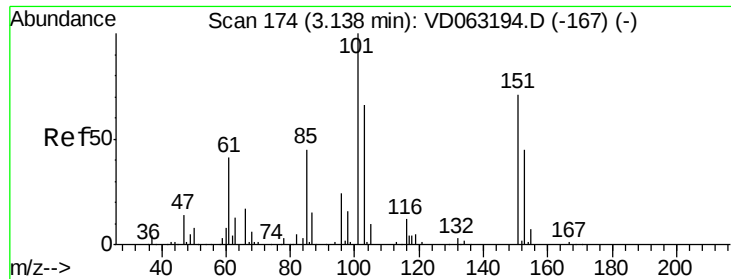


#8

Diethyl Ether
Concen: 54.078 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 74 Resp: 116732
Ion Ratio Lower Upper
74 100
45 150.9 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.549 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

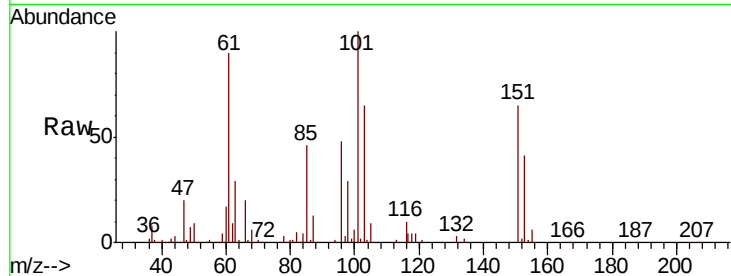
Tot Ion:101 Resp: 525856

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

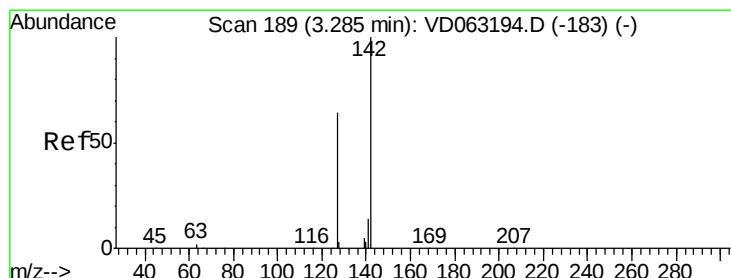
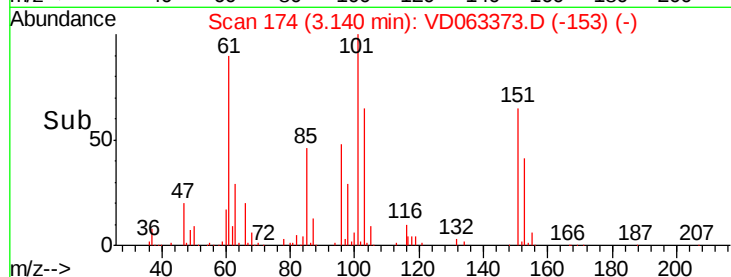
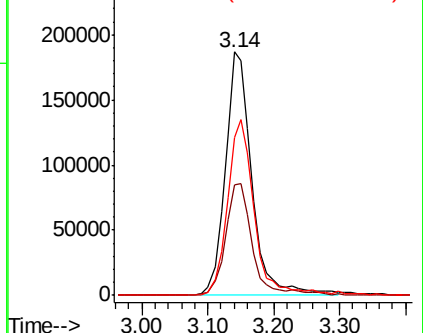
151 64.7 57.1 85.7



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: 56.088 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

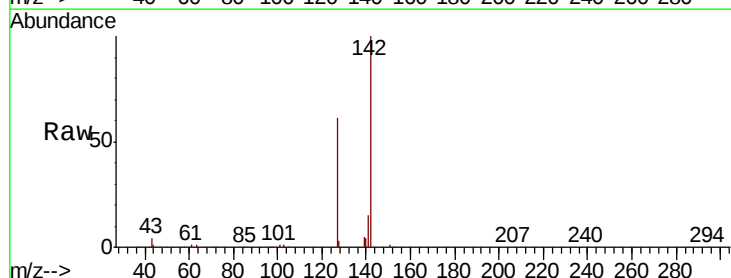
Tgt Ion:142 Resp: 692256

Ion Ratio Lower Upper

142 100

127 60.8 50.8 76.2

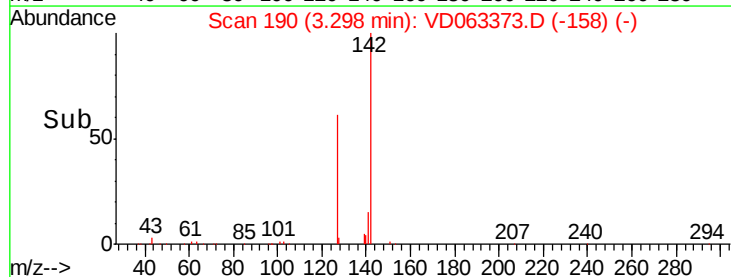
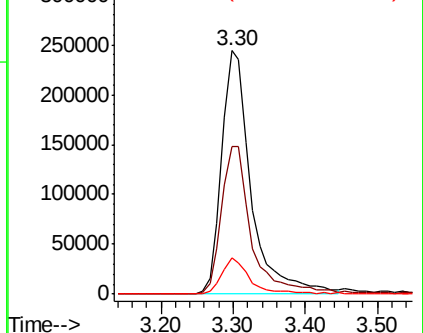
141 15.0 11.4 17.2

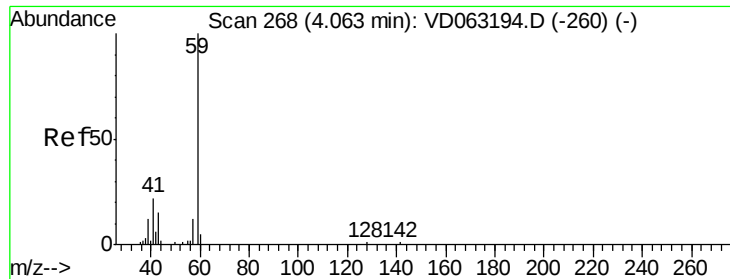


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

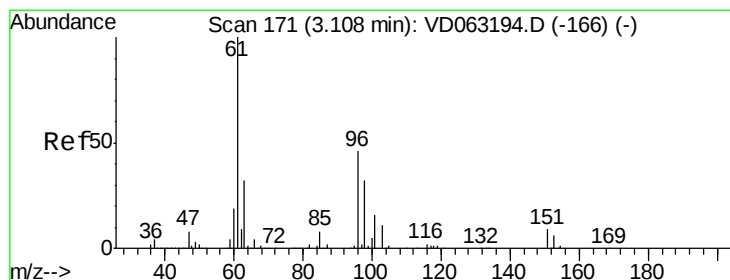
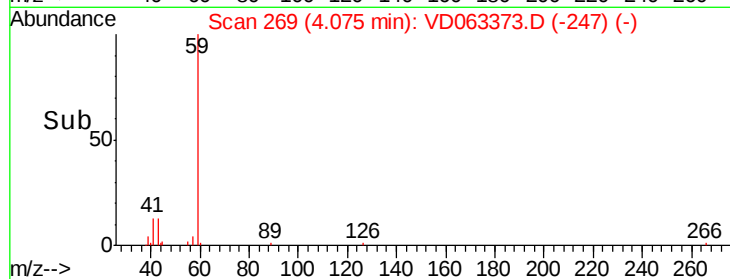
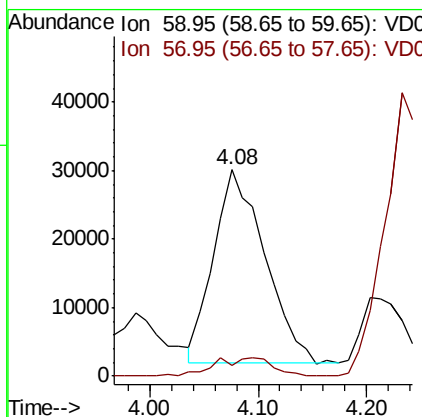
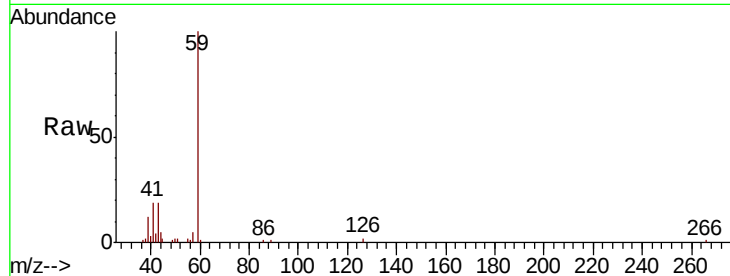




#11
Tert butyl alcohol
Concen: 235.117 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

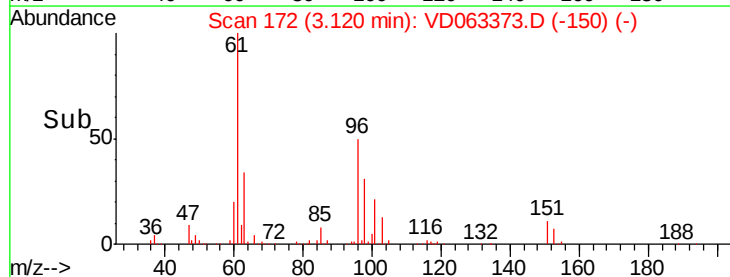
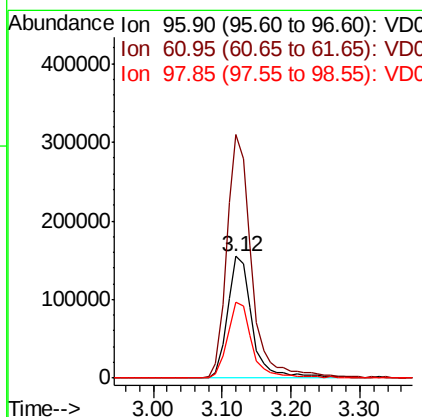
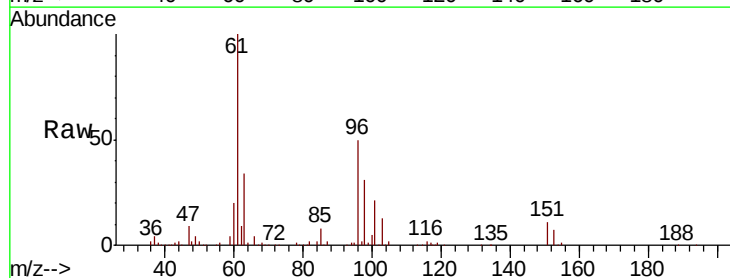
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

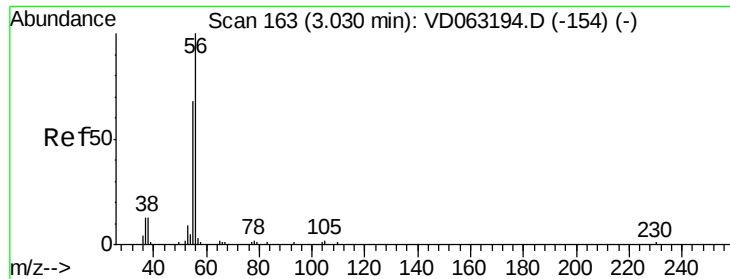
Tot Ion: 59 Resp: 92581
Ion Ratio Lower Upper
59 100
57 5.3 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 61.154 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 96 Resp: 383564
Ion Ratio Lower Upper
96 100
61 200.3 173.7 260.5
98 62.0 55.8 83.8

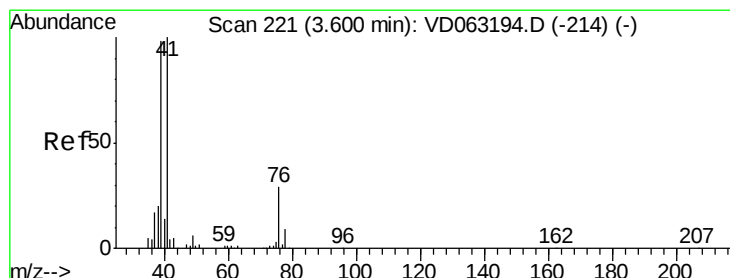
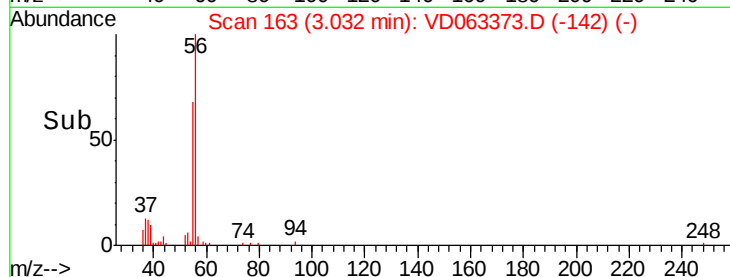
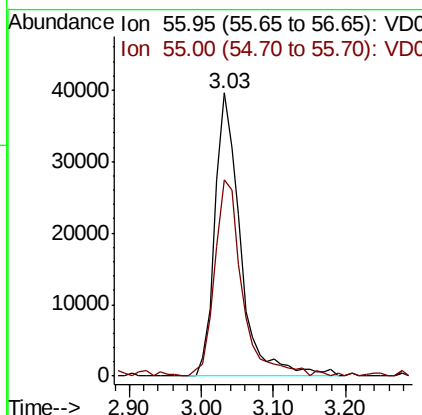
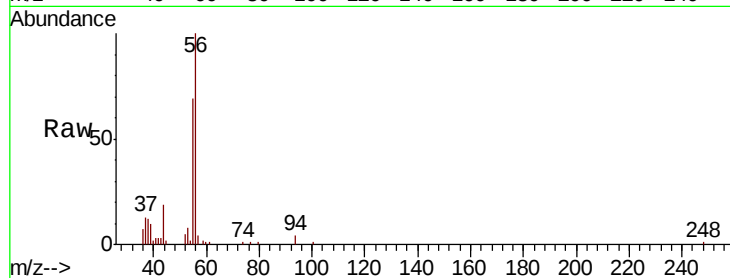




#13
Acrolein
Concen: 254.343 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

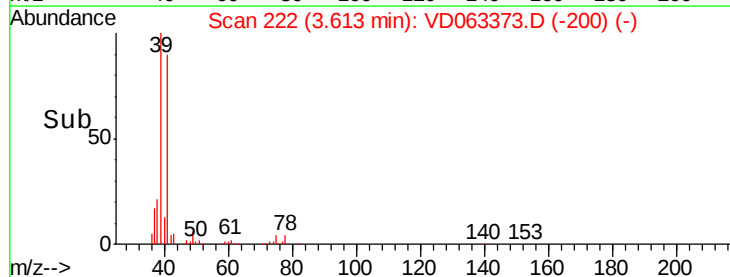
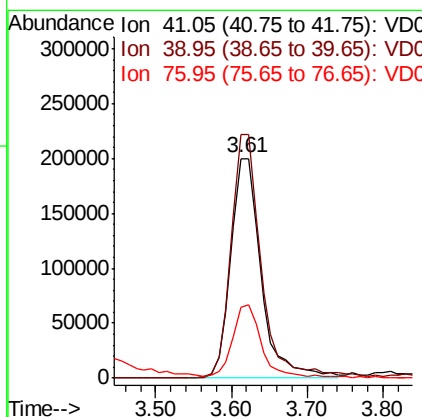
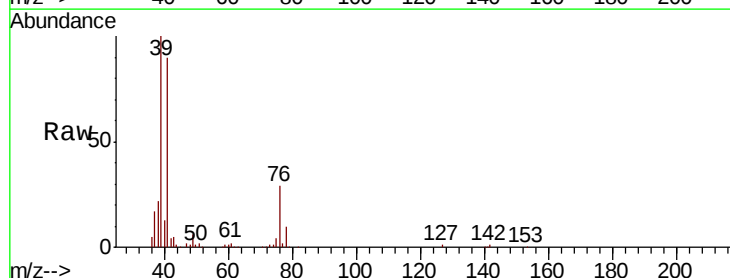
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

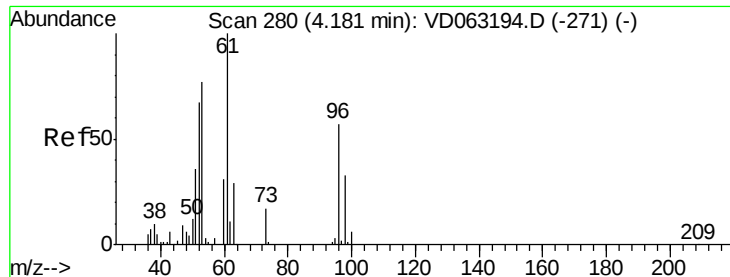
Tot Ion: 56 Resp: 96386
Ion Ratio Lower Upper
56 100
55 69.5 55.3 82.9



#14
Allyl chloride
Concen: 55.625 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 41 Resp: 555797
Ion Ratio Lower Upper
41 100
39 110.9 78.6 117.8
76 32.3 24.5 36.7





#15

Acrylonitrile

Concen: 263.990 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

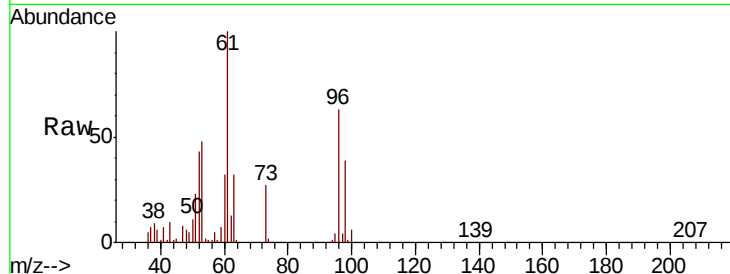
Tot Ion: 53 Resp: 269499

Ion Ratio Lower Upper

53 100

52 89.4 69.7 104.5

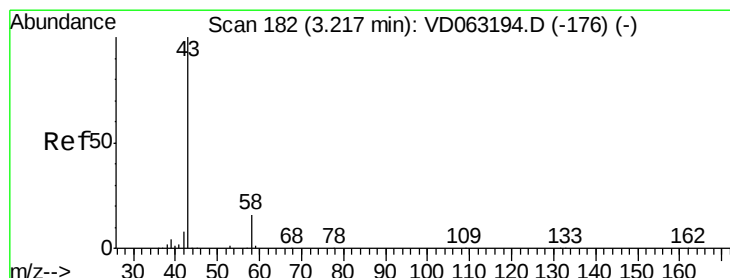
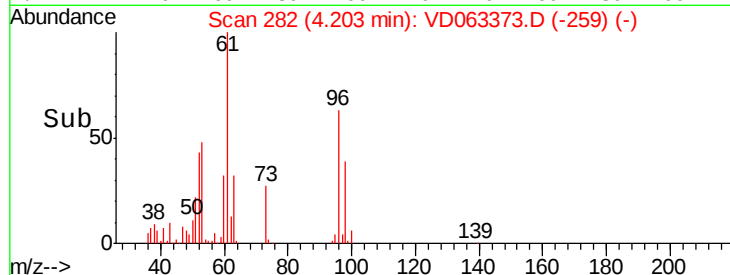
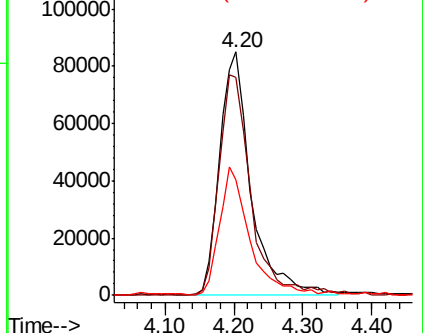
51 47.3 37.4 56.0



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: 240.024 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063373.D

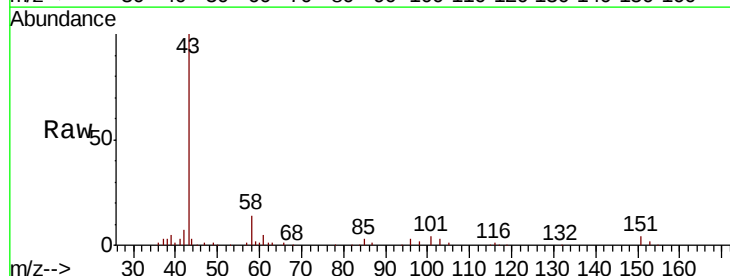
Acq: 3 Aug 2019 20:33

Tgt Ion: 43 Resp: 419617

Ion Ratio Lower Upper

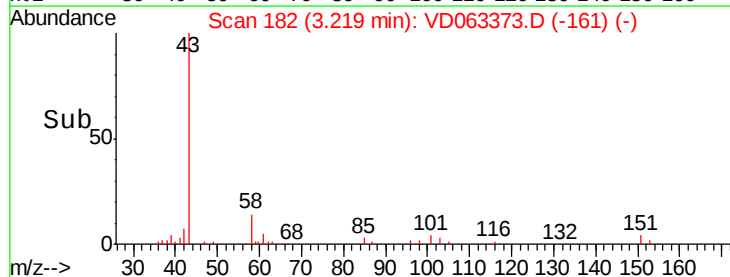
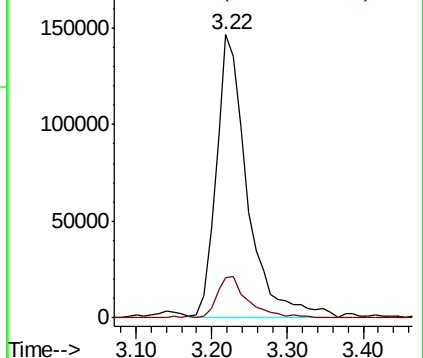
43 100

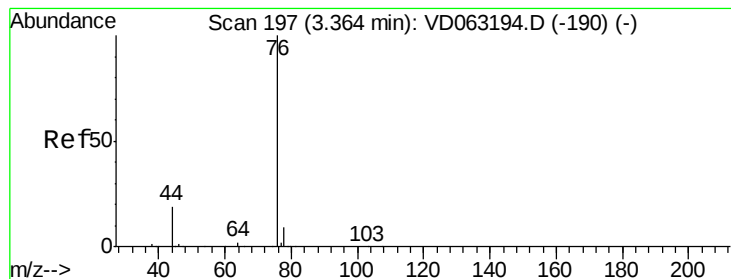
58 14.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 51.932 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

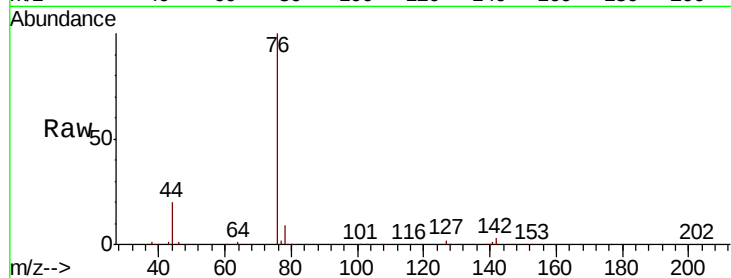
VSTDCCC050EC

Tot Ion: 76 Resp: 1090245

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

400000

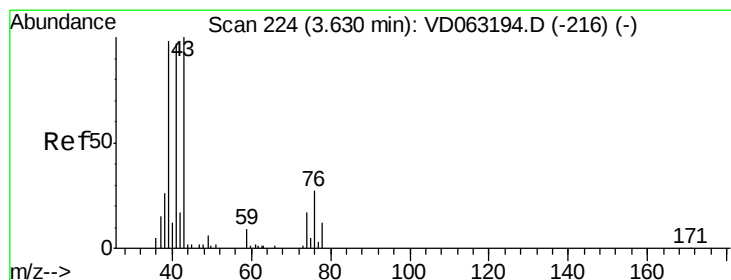
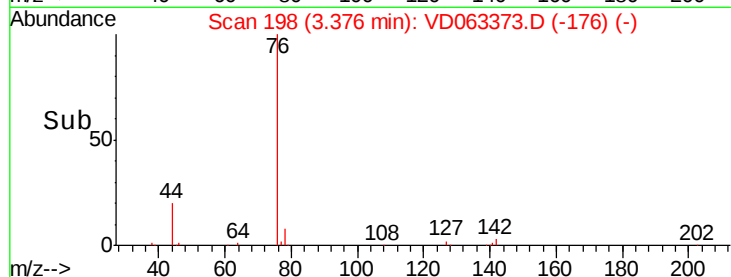
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 54.466 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063373.D

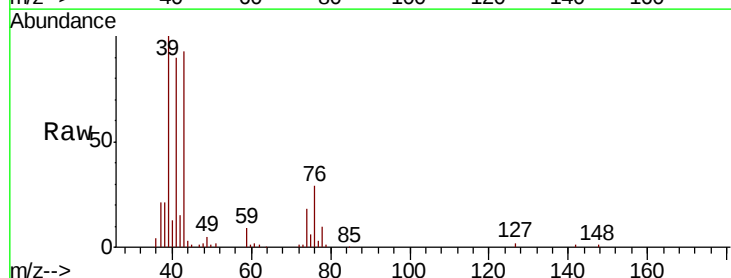
Acq: 3 Aug 2019 20:33

Tgt Ion: 43 Resp: 182901

Ion Ratio Lower Upper

43 100

74 18.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

80000

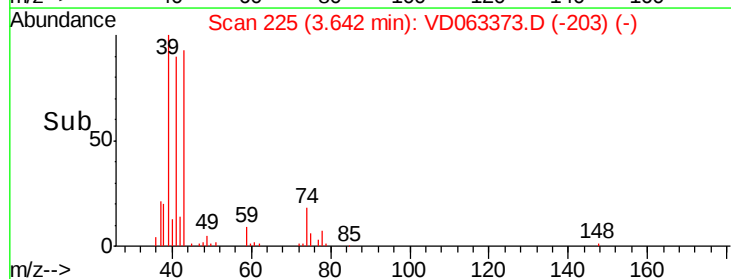
60000

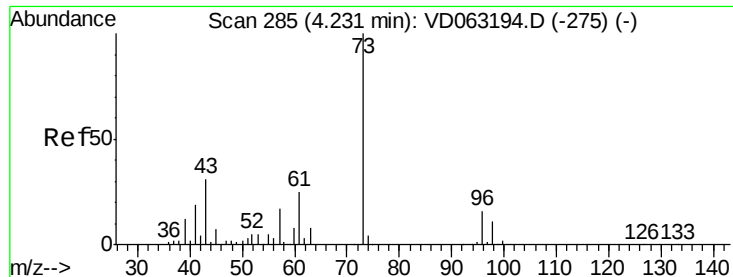
40000

20000

0

Time--> 3.50 3.60 3.70



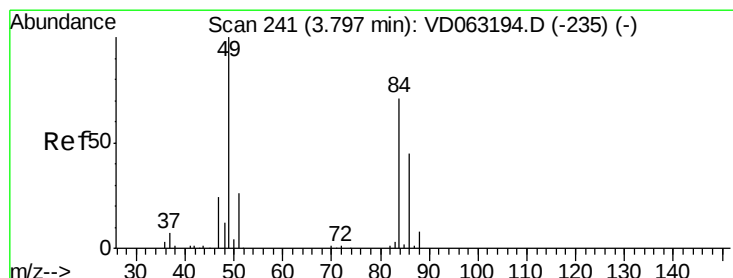
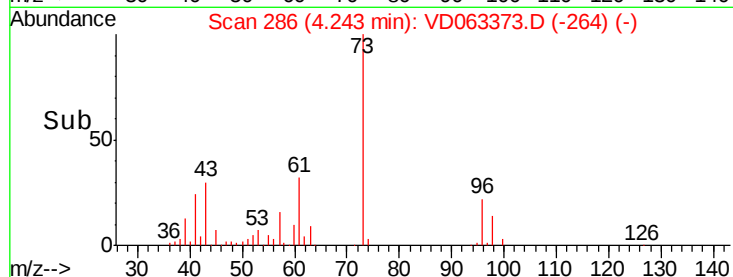
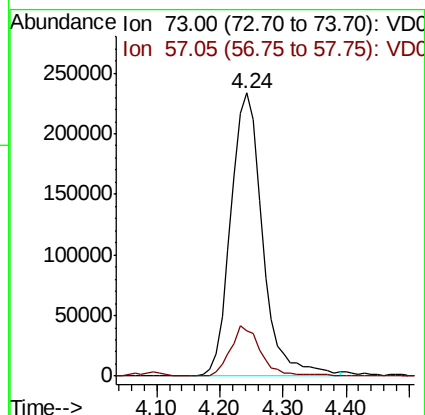
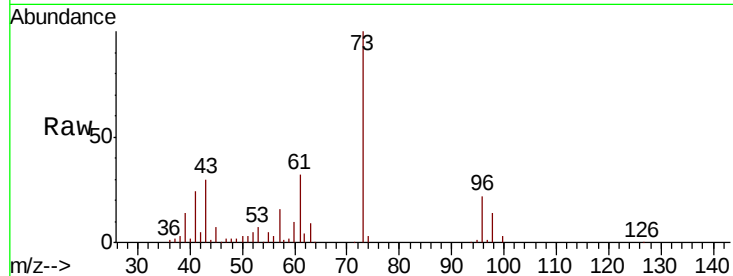


#19

Methyl tert-butyl Ether
 Concen: 57.585 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

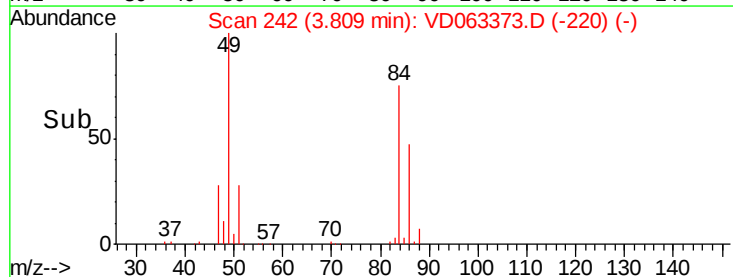
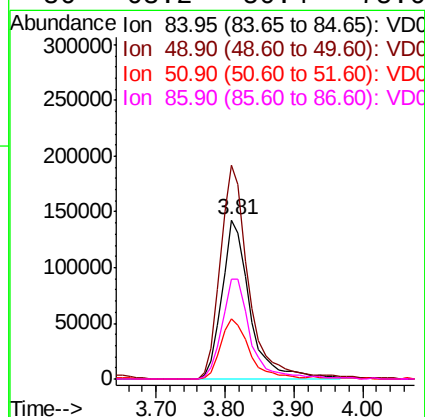
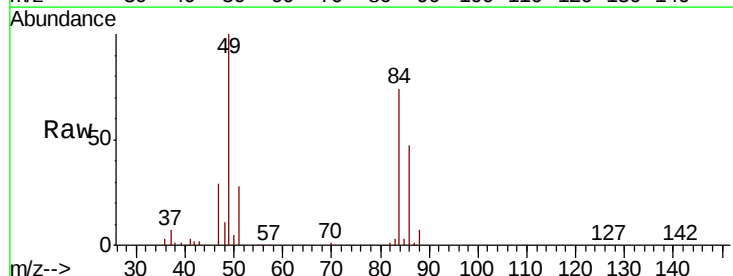
Tot Ion: 73 Resp: 815855
 Ion Ratio Lower Upper
 73 100
 57 16.1 13.8 20.6

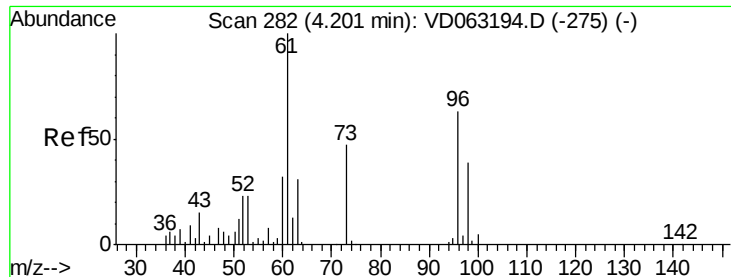


#20

Methylene Chloride
 Concen: 57.090 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion: 84 Resp: 403427
 Ion Ratio Lower Upper
 84 100
 49 134.5 112.5 168.7
 51 38.2 29.6 44.4
 86 63.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 60.638 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

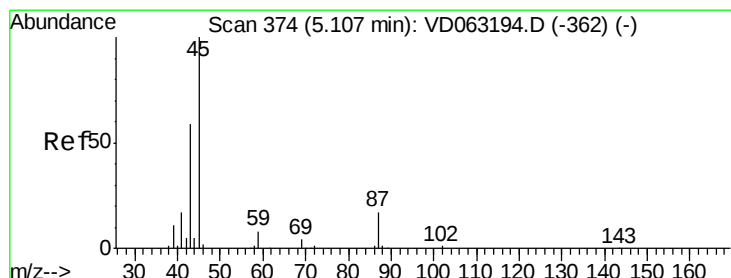
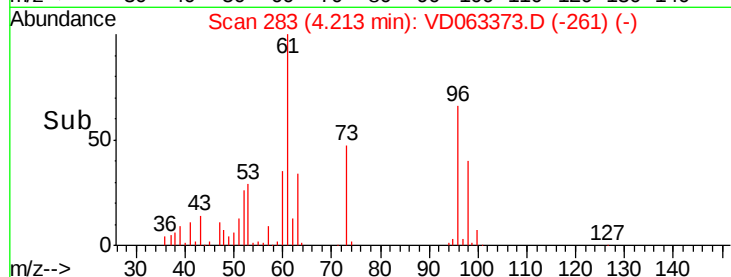
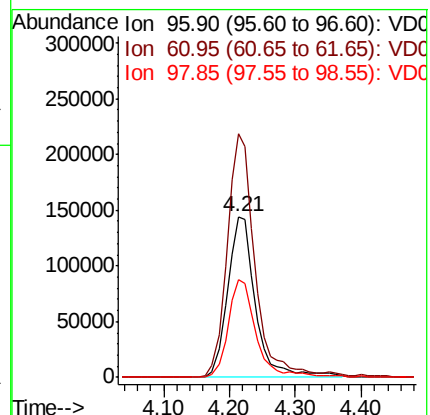
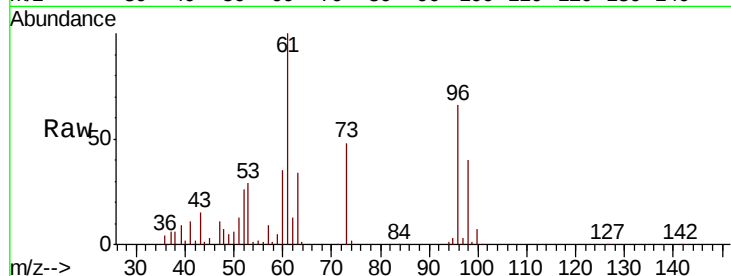
Tot Ion: 96 Resp: 426746

Ion Ratio Lower Upper

96 100

61 151.5 127.4 191.2

98 61.0 49.3 73.9



#22

Diisopropyl ether

Concen: 55.044 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Tgt Ion: 45 Resp: 1098816

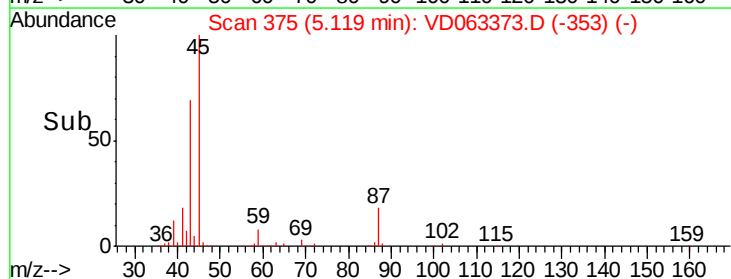
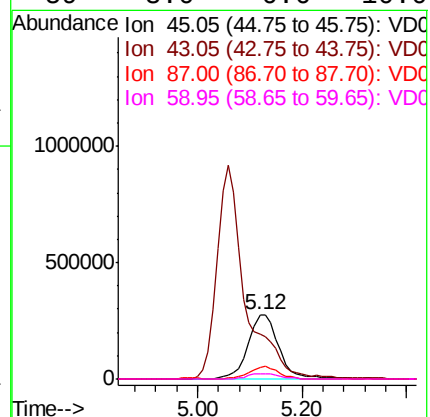
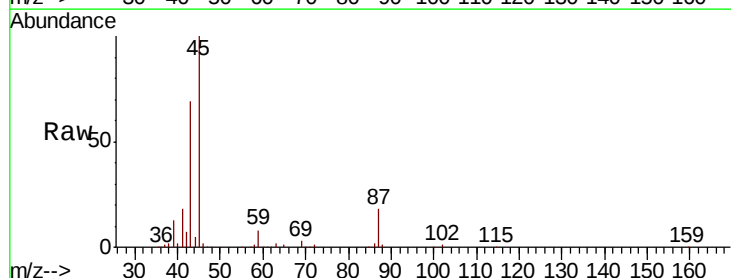
Ion Ratio Lower Upper

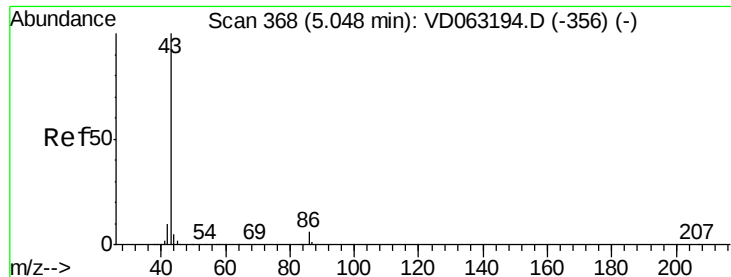
45 100

43 69.1 51.7 77.5

87 18.4 14.6 21.8

59 8.0 6.6 10.0





#23

Vinyl Acetate

Concen: 280.144 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

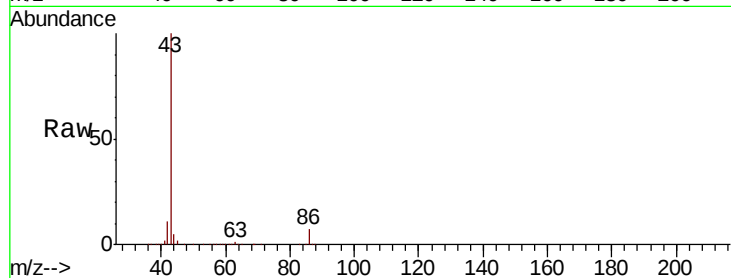
VSTDCCC050EC

Tot Ion: 43 Resp: 3437640

Ion Ratio Lower Upper

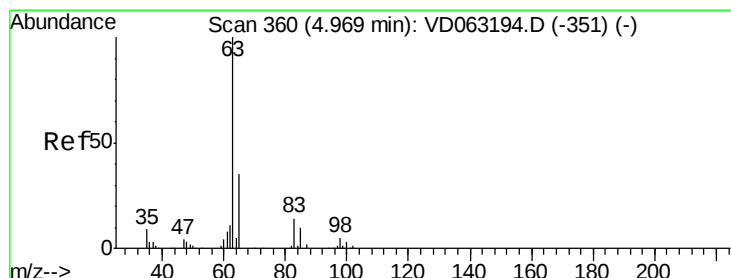
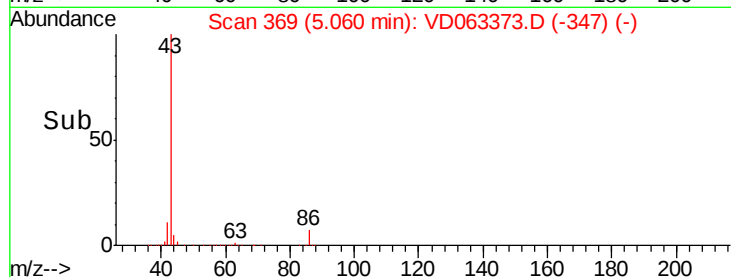
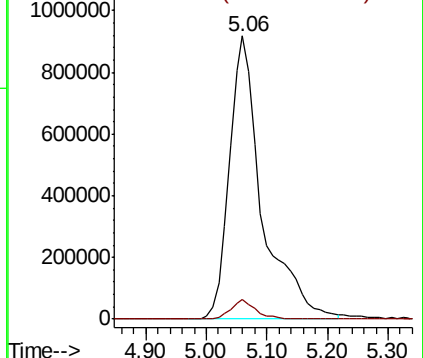
43 100

86 6.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.833 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

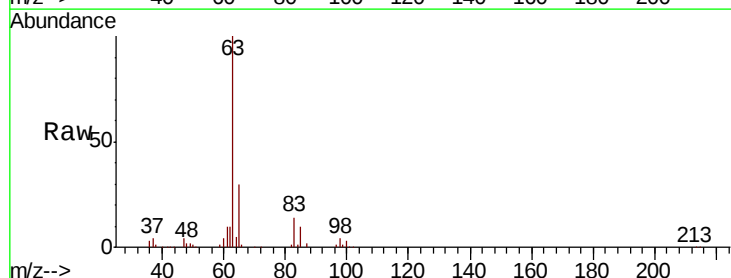
Tgt Ion: 63 Resp: 724676

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.4

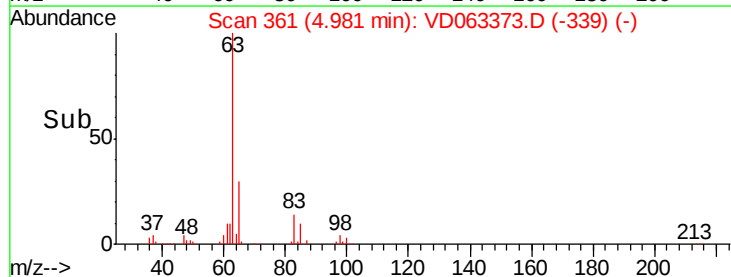
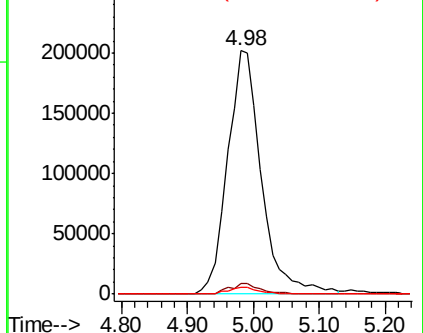
100 2.8 1.3 3.9

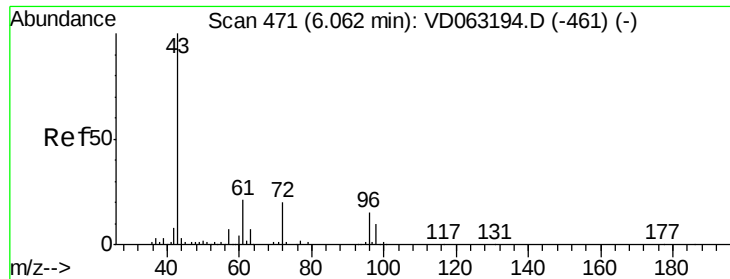


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 254.756 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

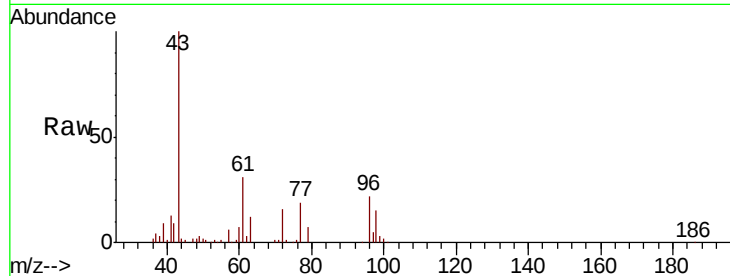
VSTDCCC050EC

Tot Ion: 43 Resp: 446968

Ion Ratio Lower Upper

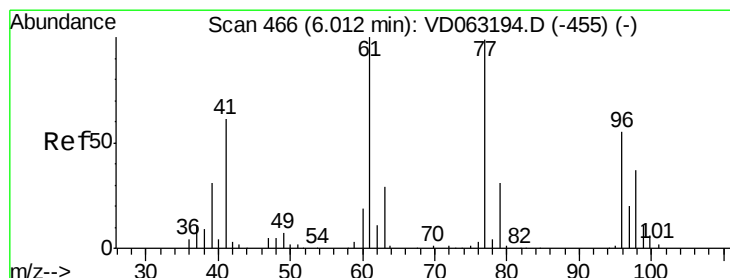
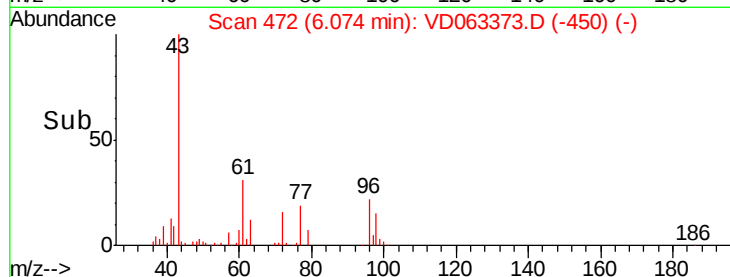
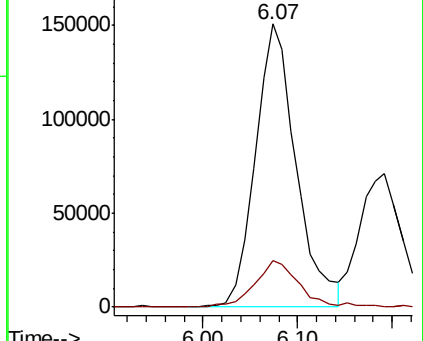
43 100

72 16.2 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 58.252 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063373.D

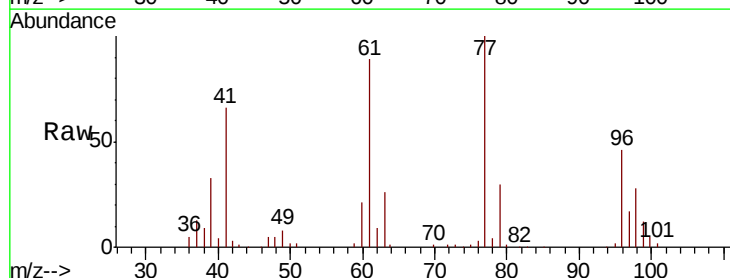
Acq: 3 Aug 2019 20:33

Tgt Ion: 77 Resp: 765461

Ion Ratio Lower Upper

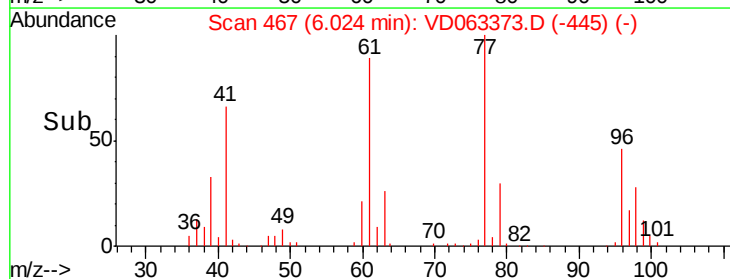
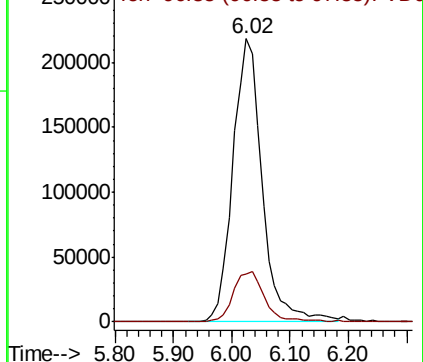
77 100

97 16.7 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



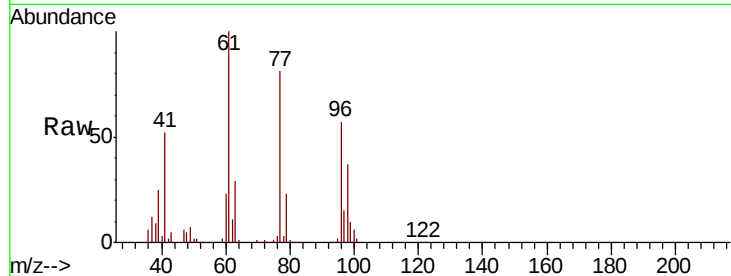


#27

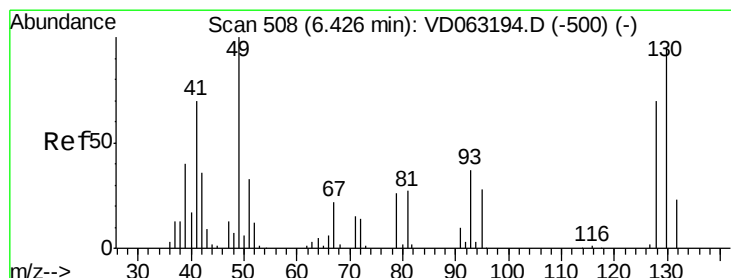
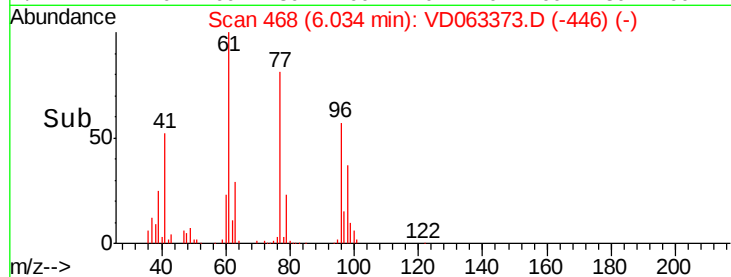
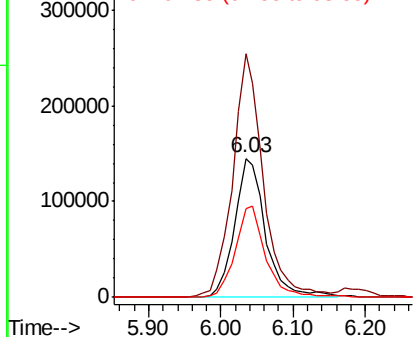
cis-1,2-Dichloroethene
Concen: 57.339 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 432642
Ion Ratio Lower Upper
96 100
61 175.2 0.0 337.2
98 64.1 0.0 130.6



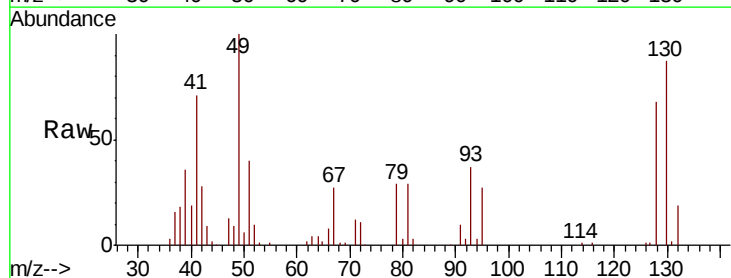
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



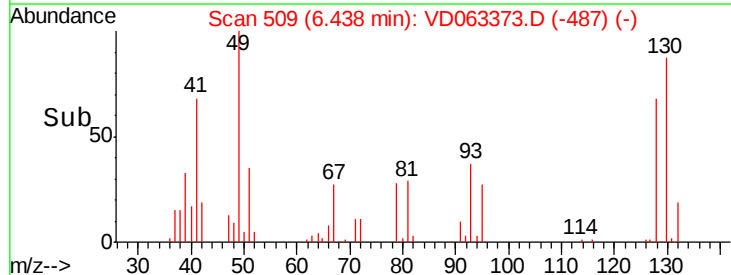
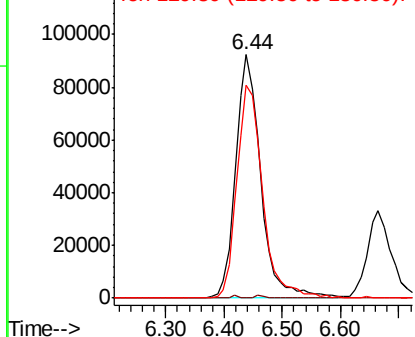
#28

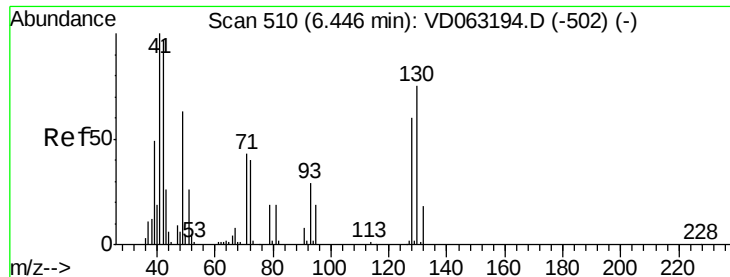
Bromochloromethane
Concen: 54.327 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 49 Resp: 276004
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 87.2 75.7 113.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.518 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

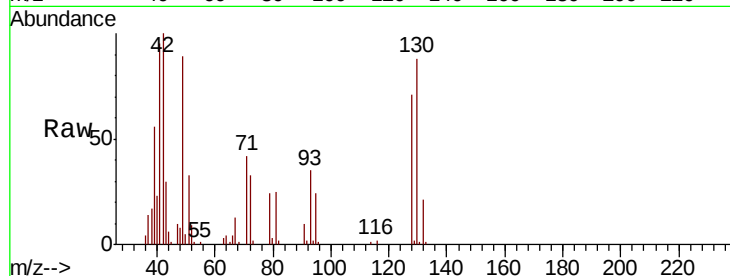
Tot Ion: 42 Resp: 214742

Ion Ratio Lower Upper

42 100

72 39.8 33.4 50.2

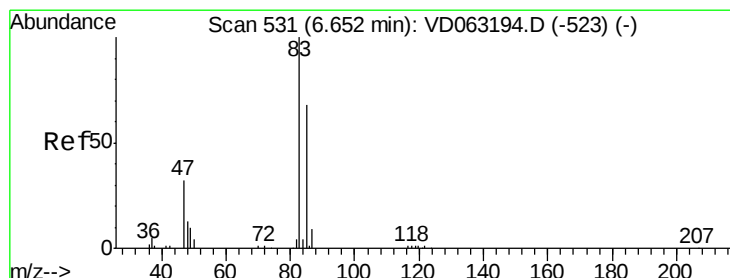
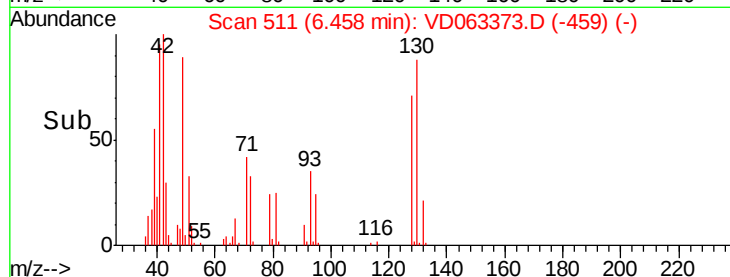
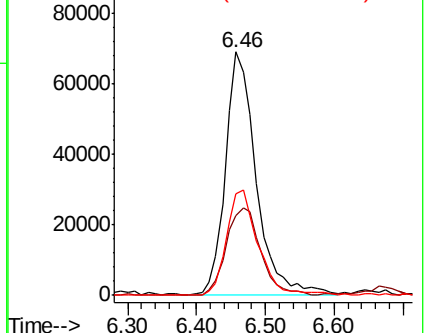
71 44.2 35.7 53.5



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: 59.950 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063373.D

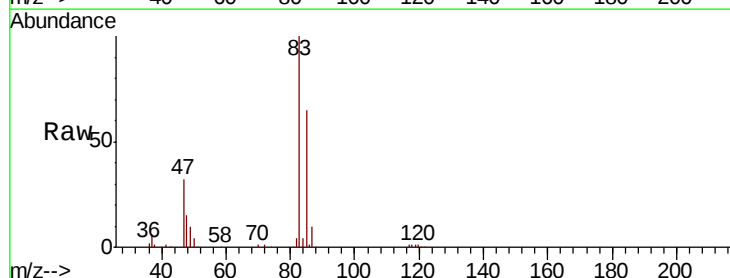
Acq: 3 Aug 2019 20:33

Tgt Ion: 83 Resp: 948661

Ion Ratio Lower Upper

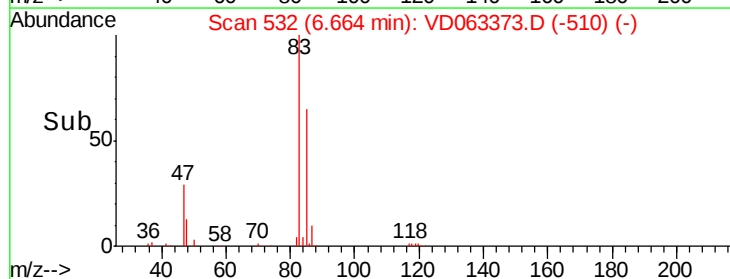
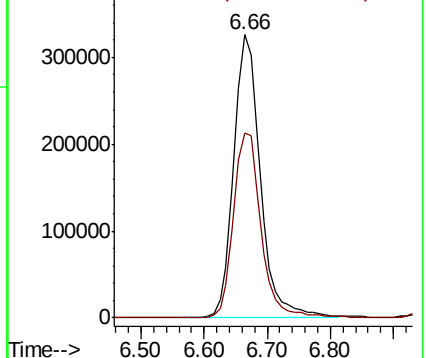
83 100

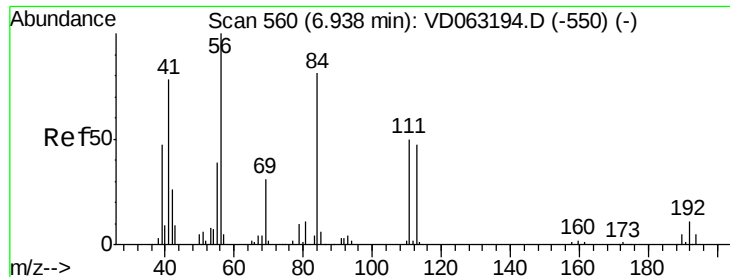
85 65.2 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 53.126 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

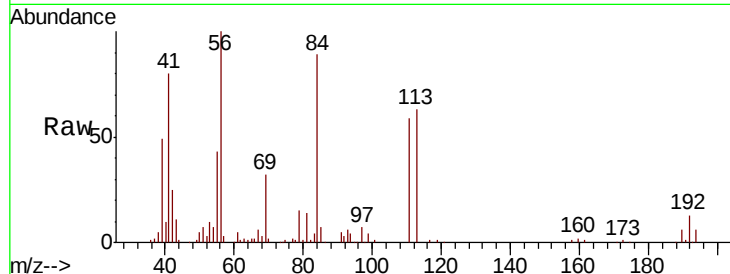
Tot Ion: 56 Resp: 424607

Ion Ratio Lower Upper

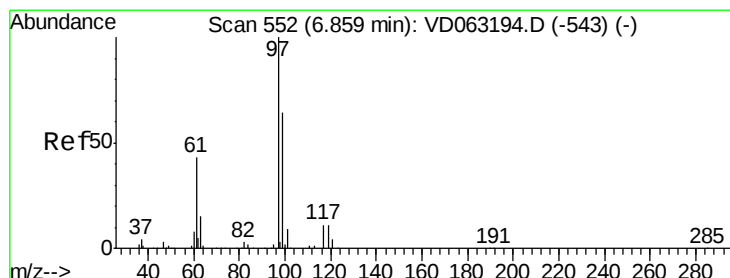
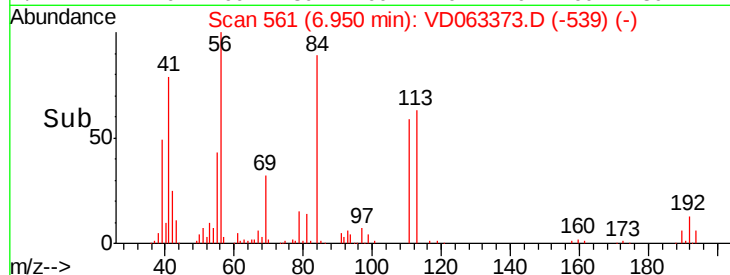
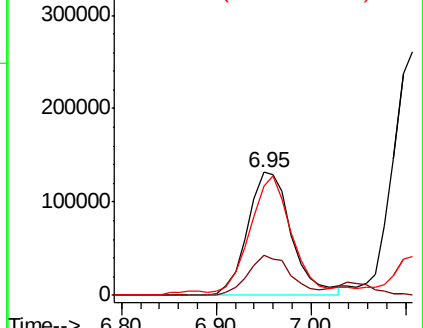
56 100

69 32.5 24.5 36.7

84 89.4 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 63.951 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

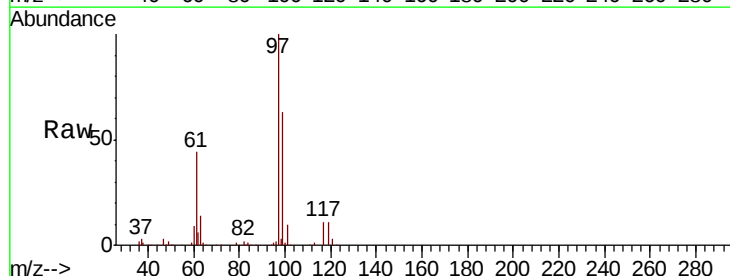
Tgt Ion: 97 Resp: 978846

Ion Ratio Lower Upper

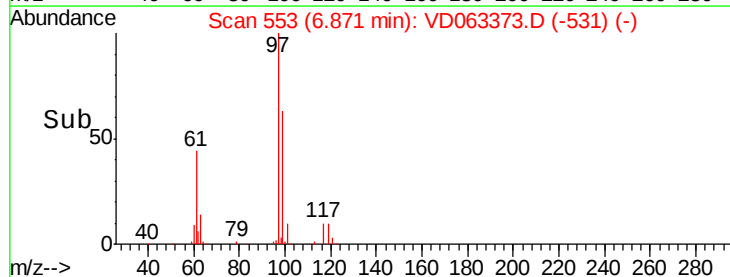
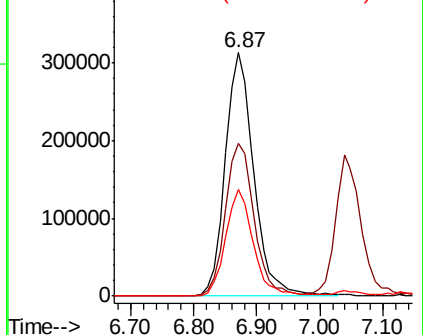
97 100

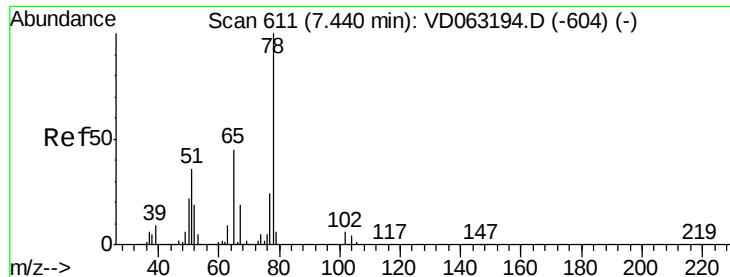
99 62.6 51.2 76.8

61 43.8 34.2 51.2



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

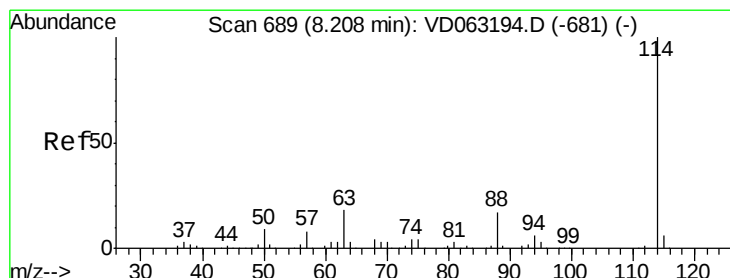
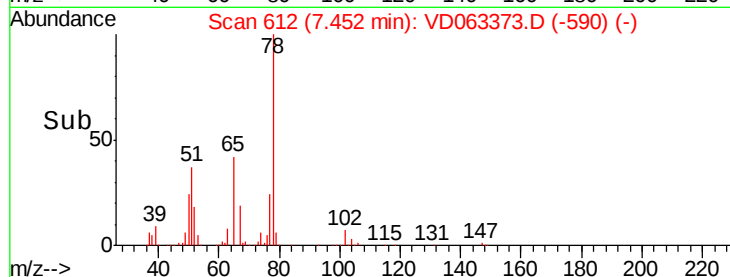
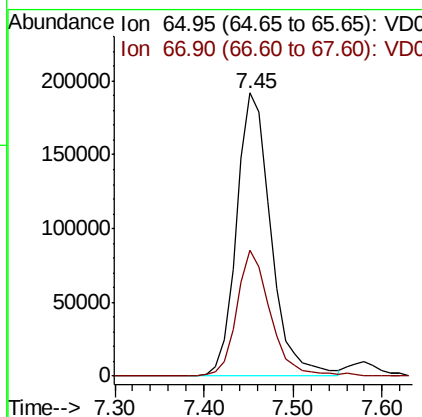
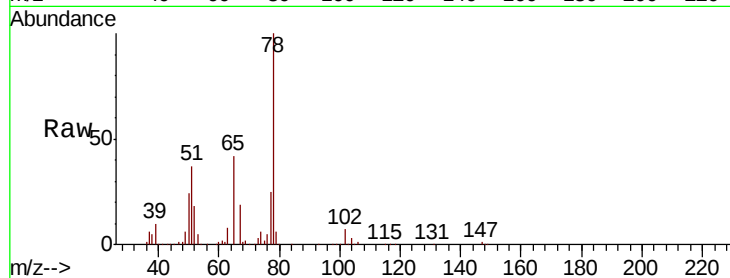




#33
 1,2-Dichloroethane-d4
 Concen: 57.212 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

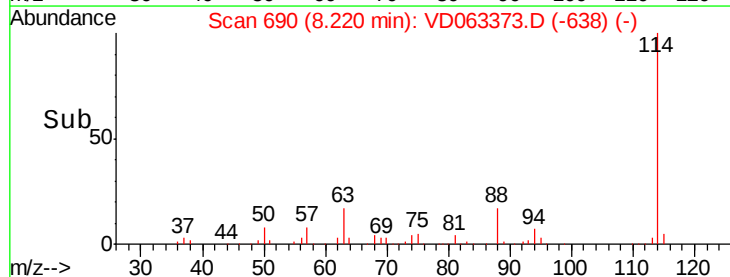
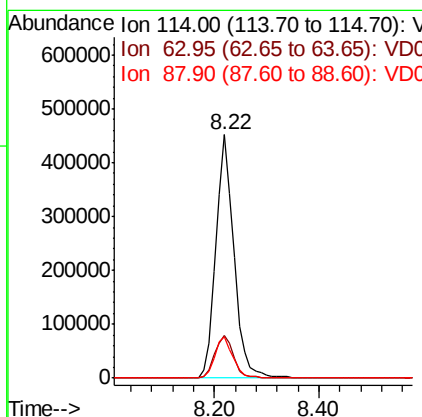
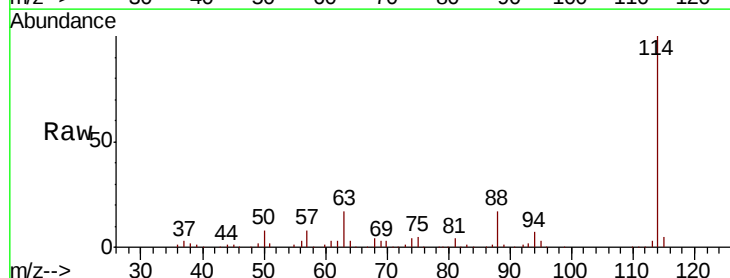
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

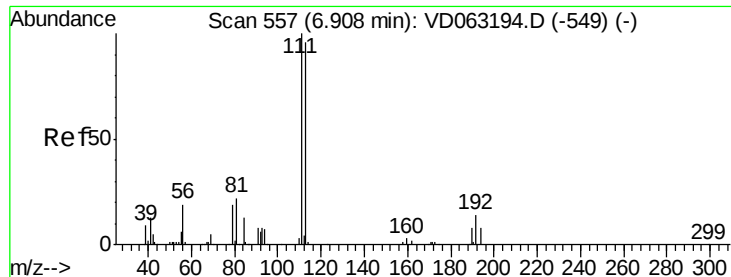
Tot Ion: 65 Resp: 513347
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion: 114 Resp: 1096719
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 17.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 59.130 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

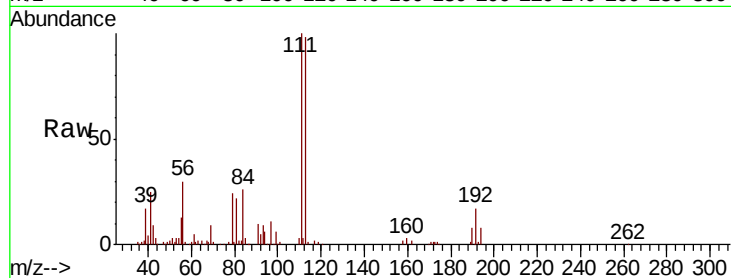
Tot Ion:113 Resp: 553671

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

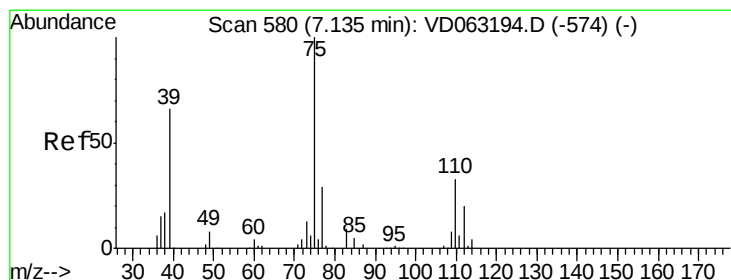
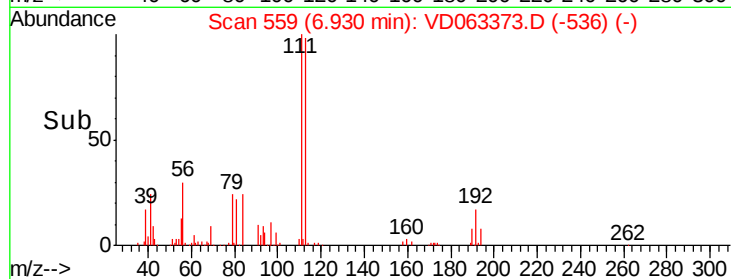
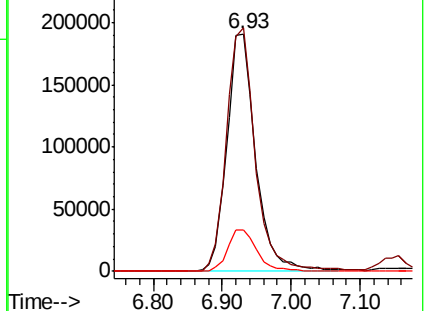
192 17.4 11.8 17.8



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: 60.585 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

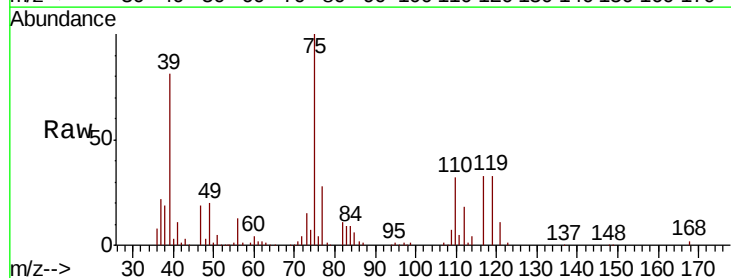
Tgt Ion: 75 Resp: 606387

Ion Ratio Lower Upper

75 100

110 31.6 16.1 48.2

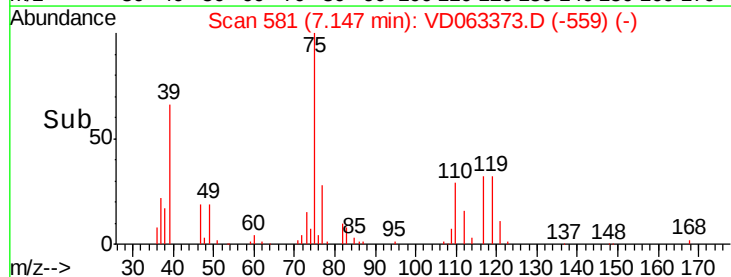
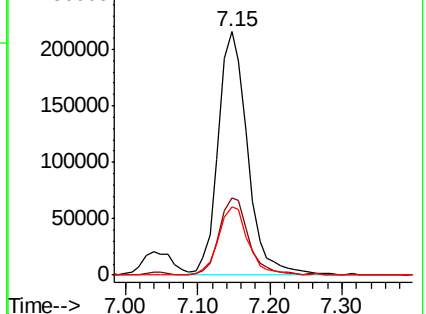
77 28.3 22.7 34.1

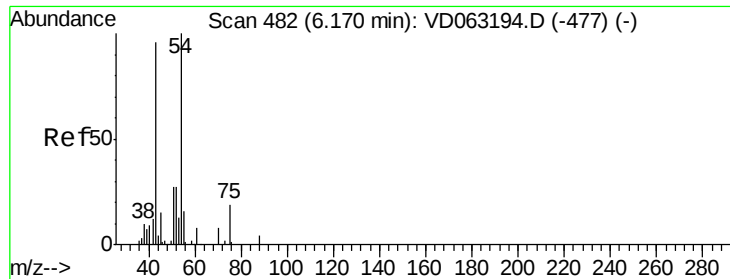


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

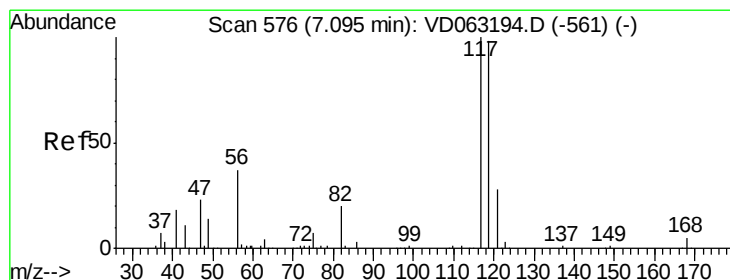
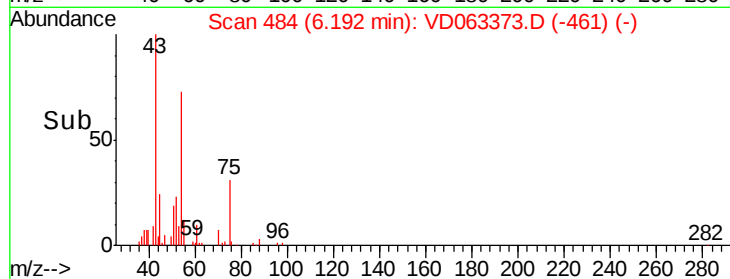
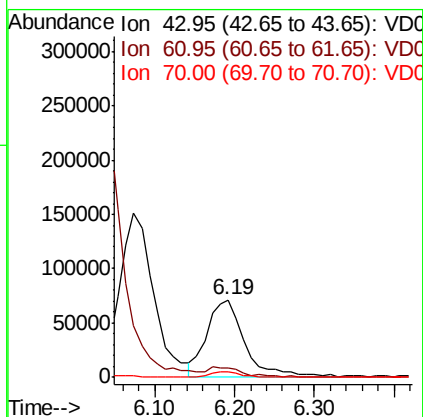
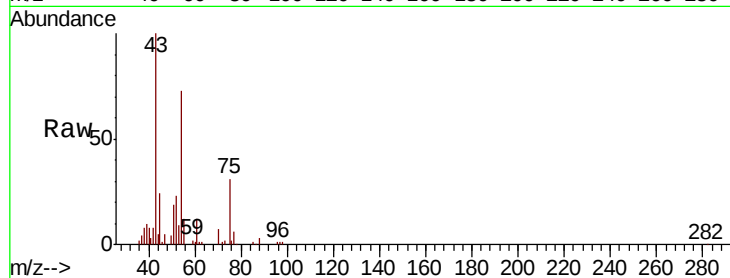




#37
Ethyl Acetate
Concen: 51.893 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

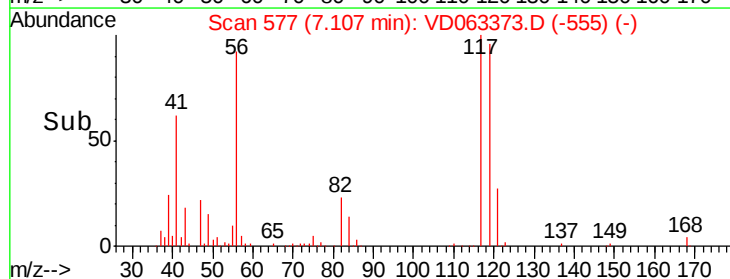
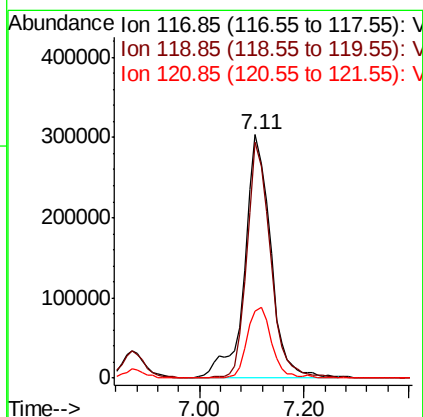
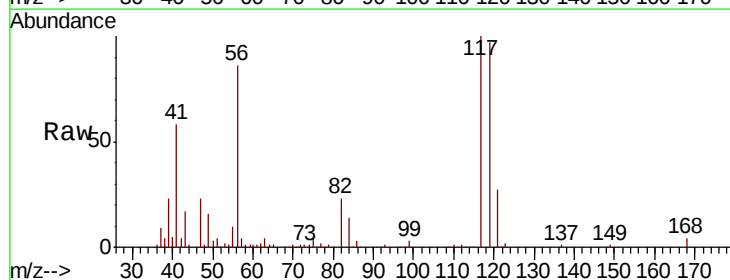
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

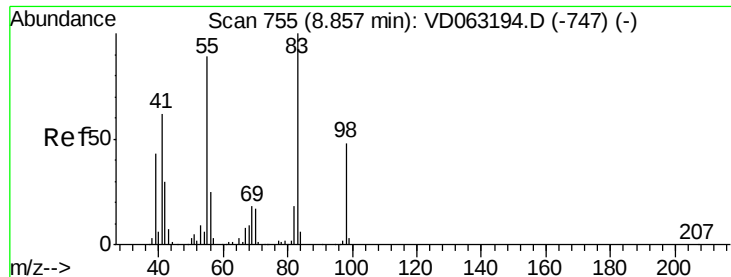
Tot Ion: 43 Resp: 233345
Ion Ratio Lower Upper
43 100
61 12.0 11.3 16.9
70 7.1 5.1 7.7



#38
Carbon Tetrachloride
Concen: 66.798 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 117 Resp: 1006521
Ion Ratio Lower Upper
117 100
119 96.8 78.2 117.2
121 27.4 22.1 33.1





#39

Methvlcvclohexane

Concen: 58.933 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

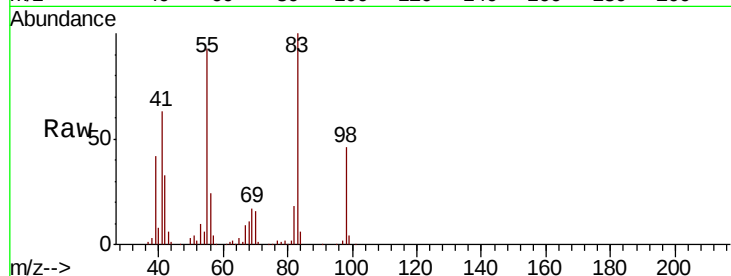
Tot Ion: 83 Resp: 491452

Ion Ratio Lower Upper

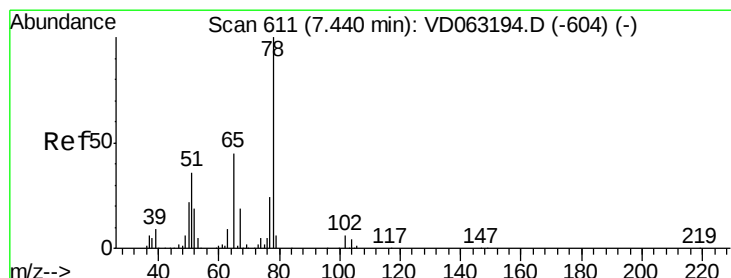
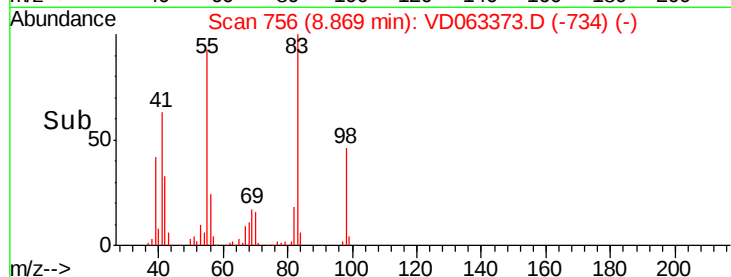
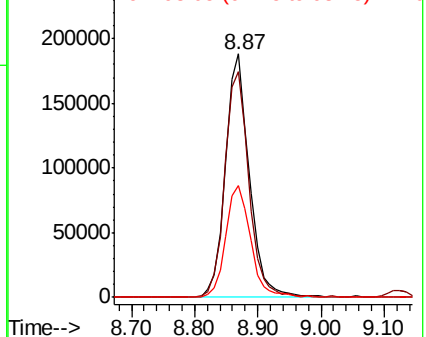
83 100

55 92.9 71.1 106.7

98 46.0 38.5 57.7



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



#40

Benzene

Concen: 61.041 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063373.D

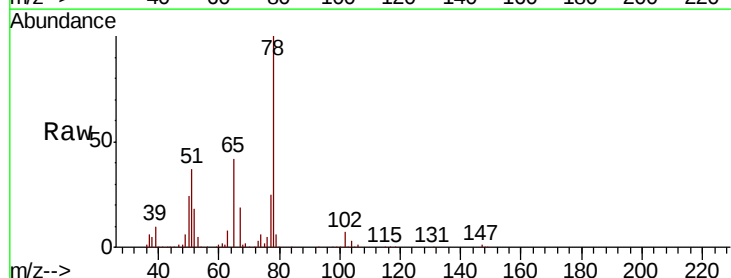
Acq: 3 Aug 2019 20:33

Tgt Ion: 78 Resp: 1280458

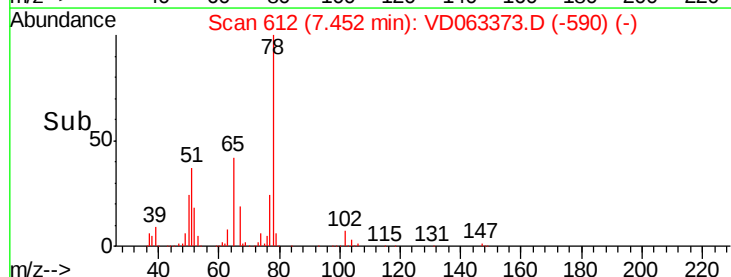
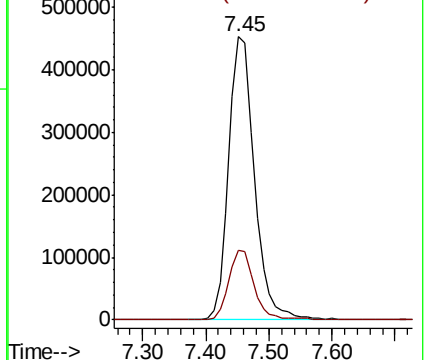
Ion Ratio Lower Upper

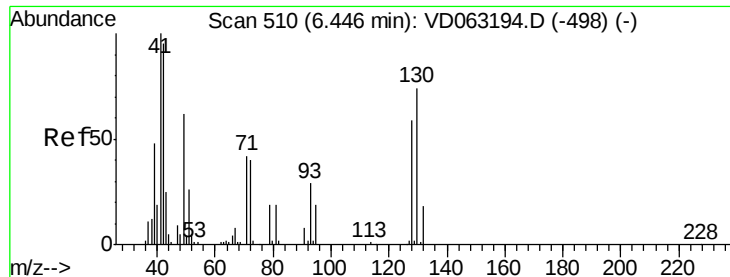
78 100

77 24.5 19.4 29.2



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





#41

Methacrylonitrile

Concen: 54.602 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 293696

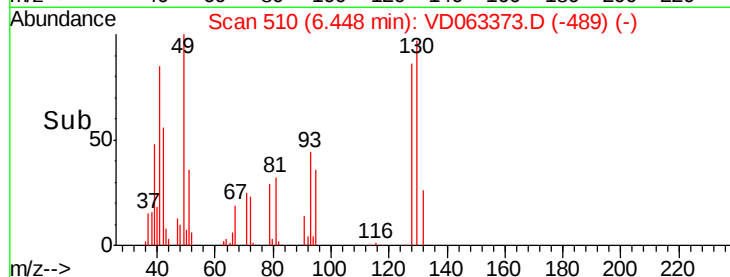
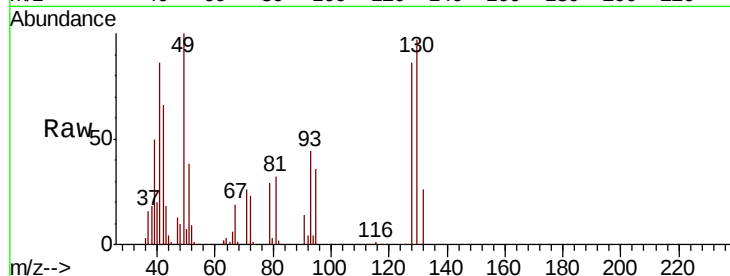
Ion Ratio Lower Upper

41 100

39 57.7 38.4 57.6#

67 21.5 6.7 10.1#

52 10.7 4.3 6.5#

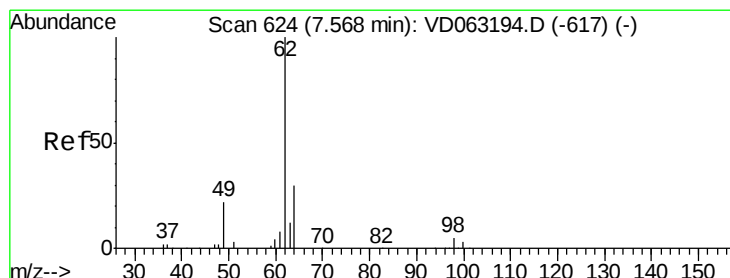
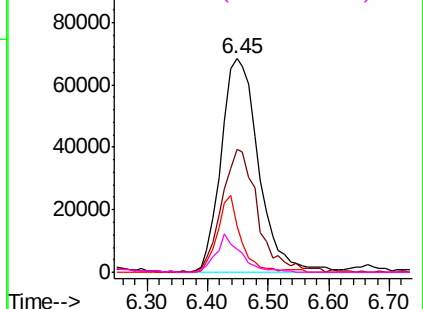


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 64.300 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063373.D

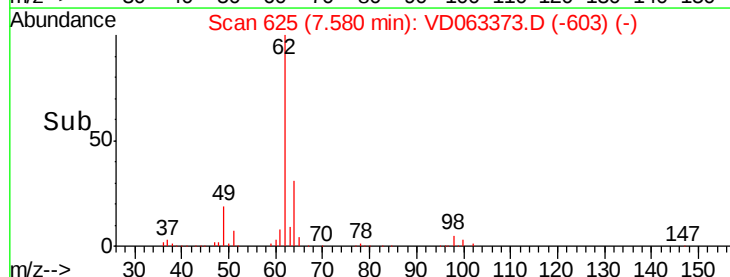
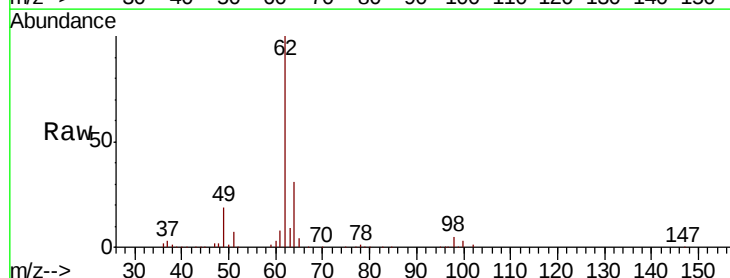
Acq: 3 Aug 2019 20:33

Tgt Ion: 62 Resp: 714844

Ion Ratio Lower Upper

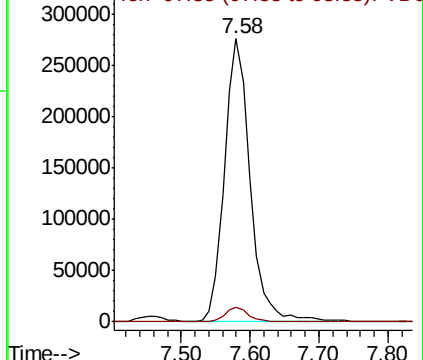
62 100

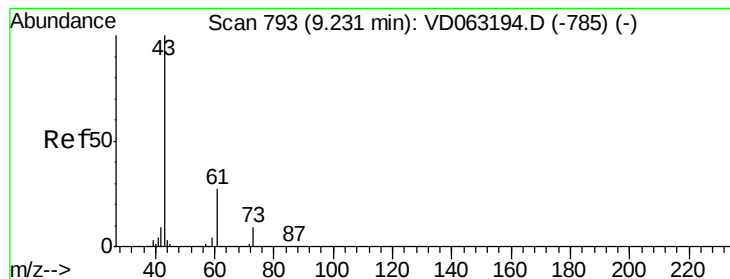
98 5.0 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.458 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

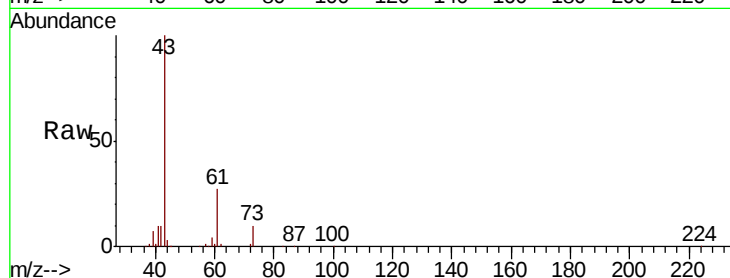
Tot Ion: 43 Resp: 324290

Ion Ratio Lower Upper

43 100

61 26.5 21.4 32.0

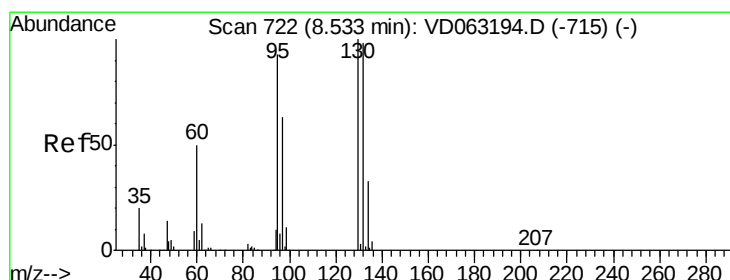
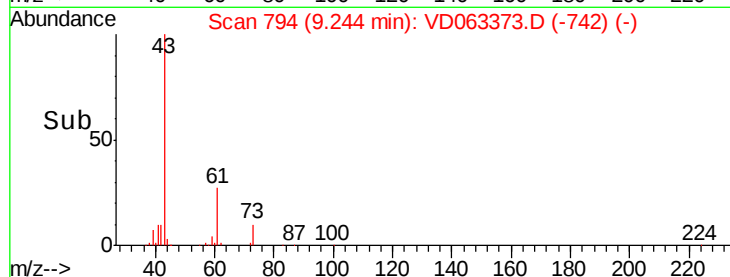
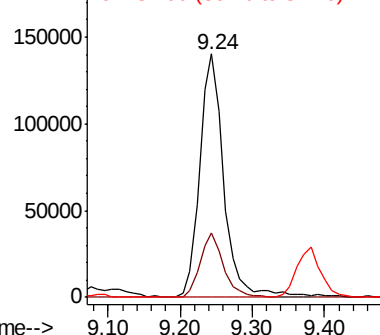
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 59.495 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063373.D

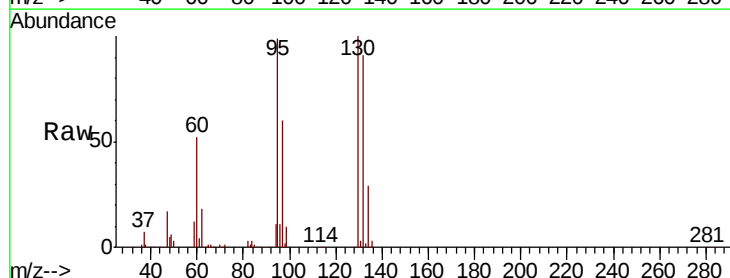
Acq: 3 Aug 2019 20:33

Tgt Ion: 130 Resp: 505708

Ion Ratio Lower Upper

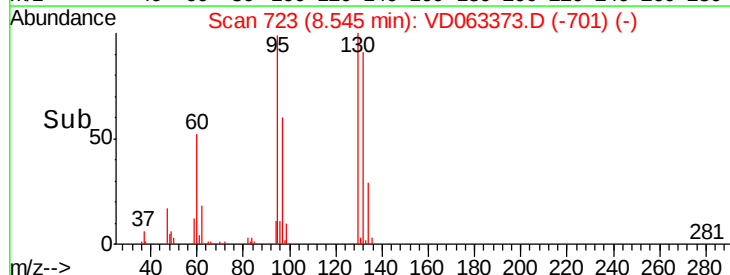
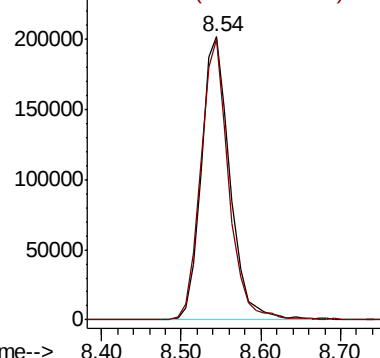
130 100

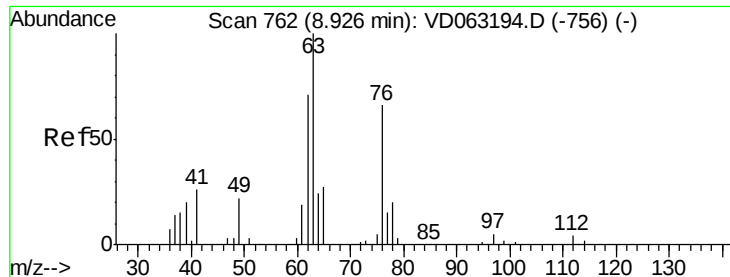
95 99.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.786 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

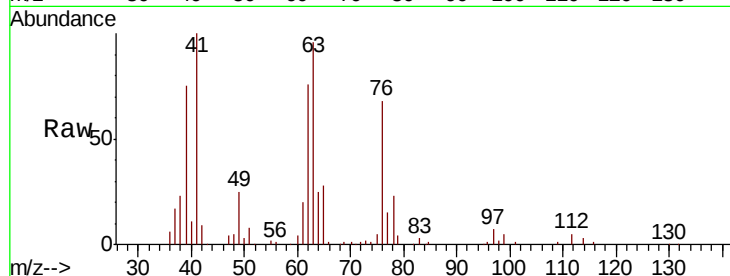
VSTDCCC050EC

Tot Ion: 63 Resp: 313434

Ion Ratio Lower Upper

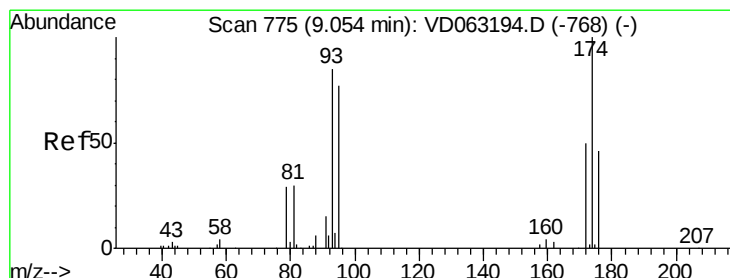
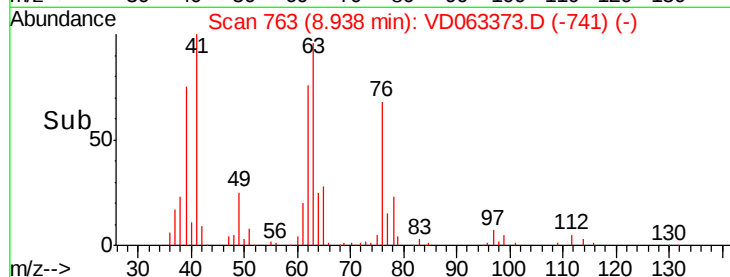
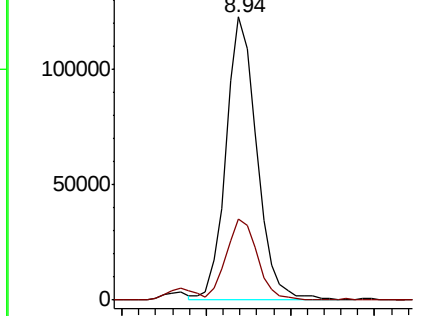
63 100

65 28.9 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.601 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

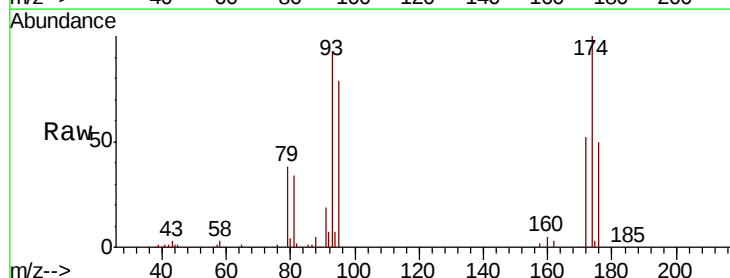
Tgt Ion: 93 Resp: 255362

Ion Ratio Lower Upper

93 100

95 84.8 72.8 109.2

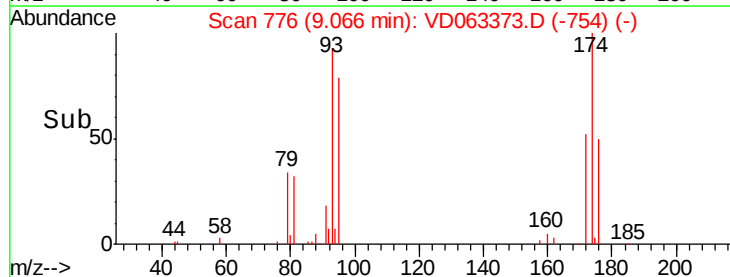
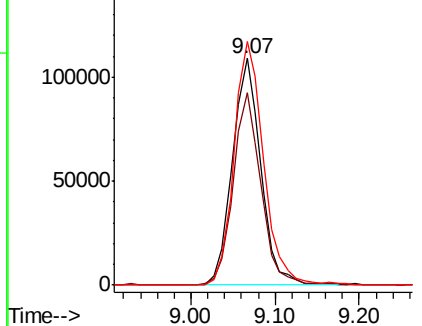
174 107.4 94.4 141.6

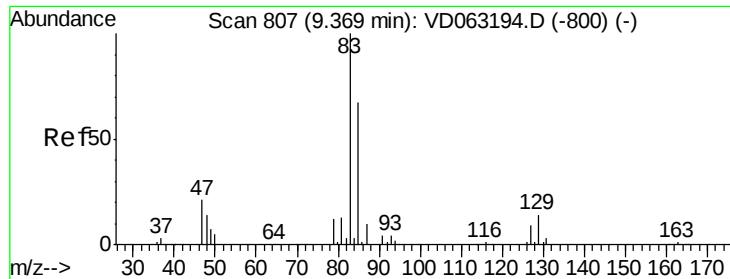


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 64.127 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

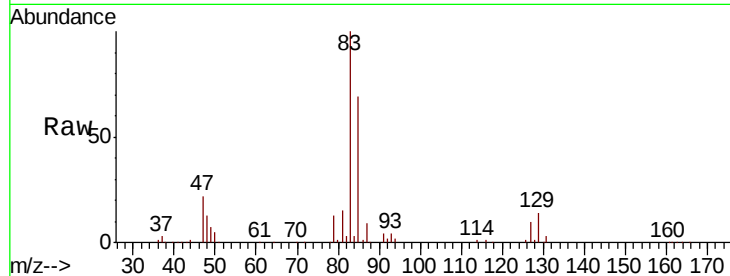
Tot Ion: 83 Resp: 724697

Ion Ratio Lower Upper

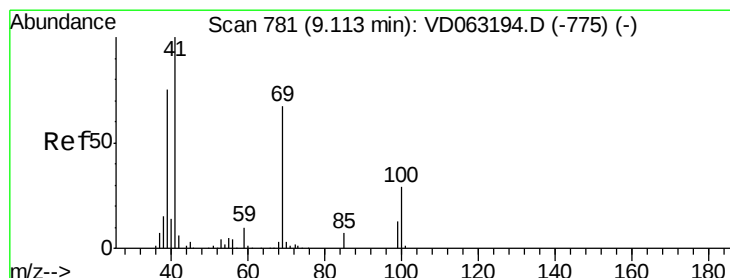
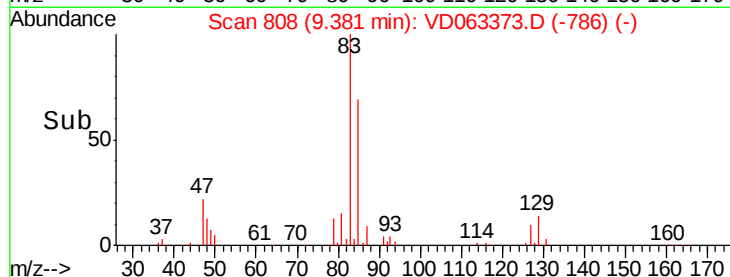
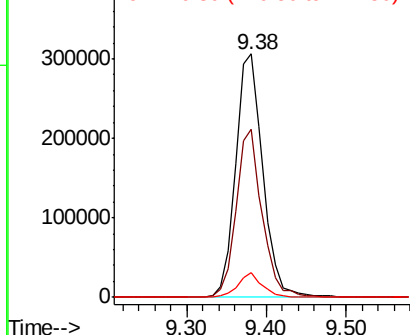
83 100

85 69.0 53.6 80.4

127 10.1 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: 58.568 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

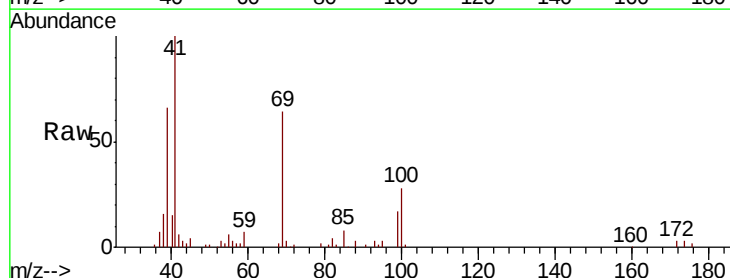
Tgt Ion: 41 Resp: 218183

Ion Ratio Lower Upper

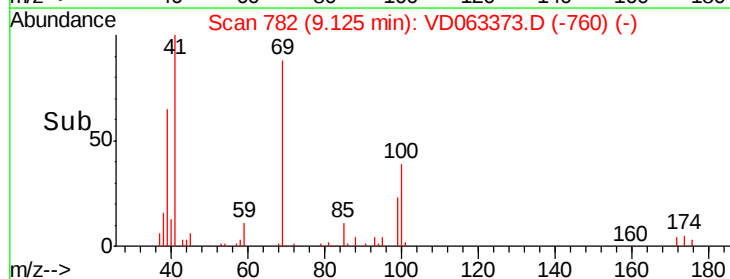
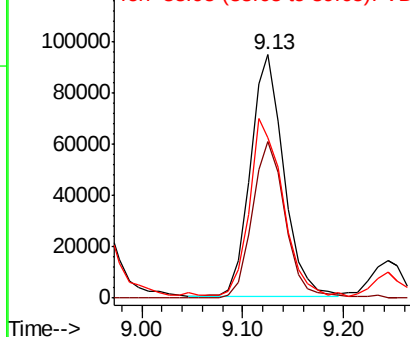
41 100

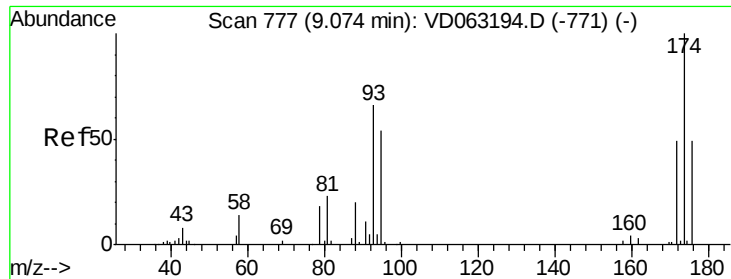
69 64.2 53.4 80.0

39 66.1 60.3 90.5



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

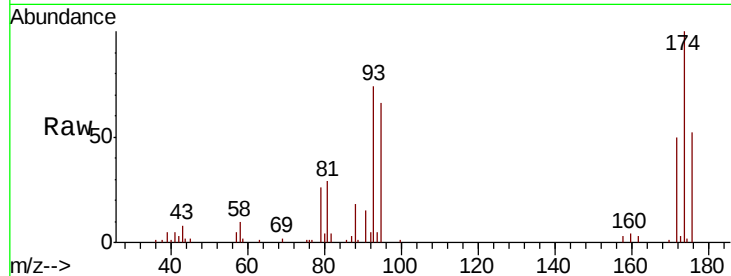




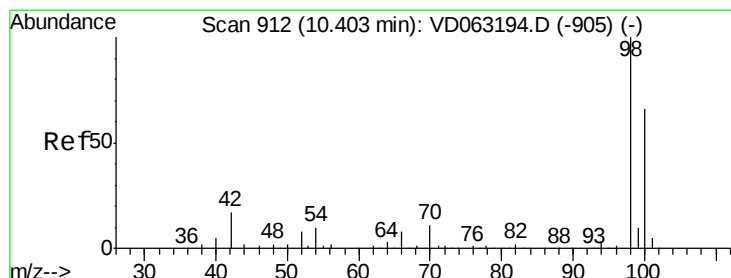
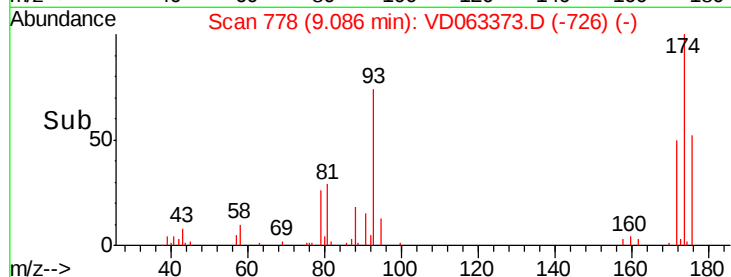
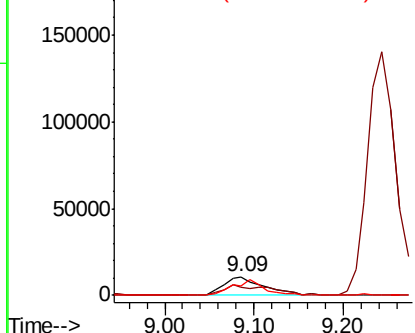
#49
 1,4-Dioxane
 Concen: 1094.231 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 34519
 Ion Ratio Lower Upper
 88 100
 43 45.3 30.7 46.1
 58 52.3 56.5 84.7#

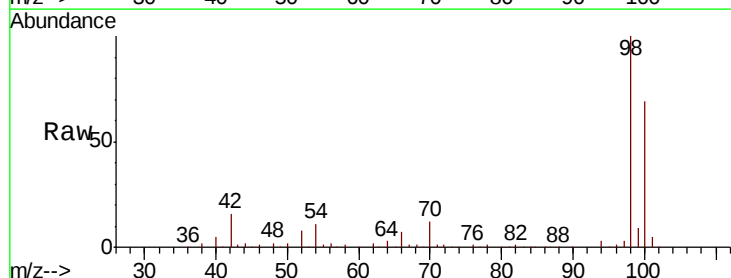


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

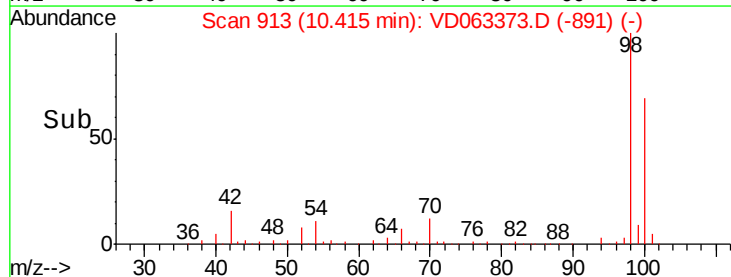
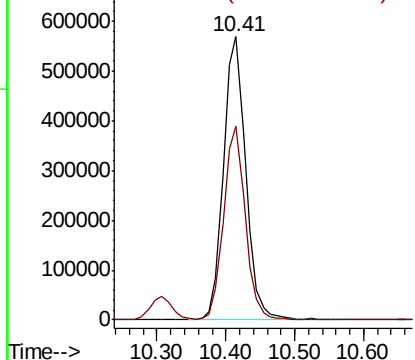


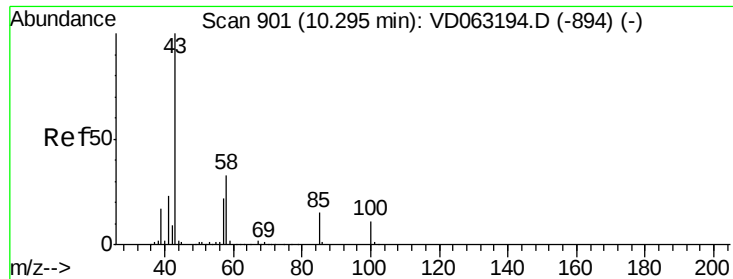
#50
 Toluene-d8
 Concen: 60.505 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion: 98 Resp: 1267933
 Ion Ratio Lower Upper
 98 100
 100 68.6 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: 284.284 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

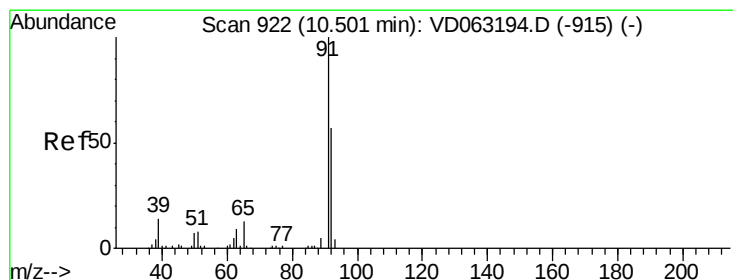
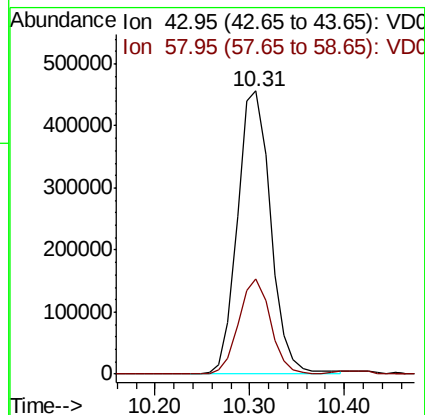
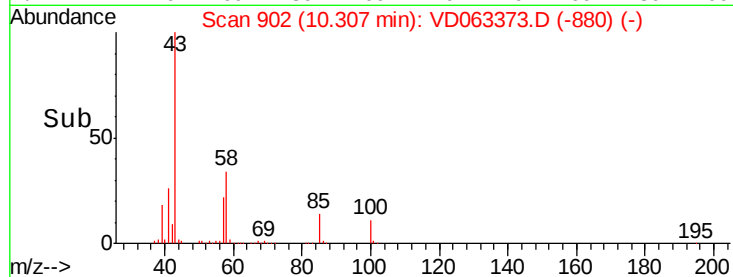
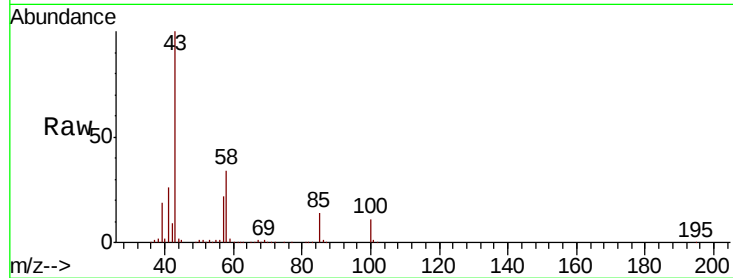
VSTDCCC050EC

Tot Ion: 43 Resp: 1110516

Ion Ratio Lower Upper

43 100

58 33.6 26.2 39.2



#52

Toluene

Concen: 61.264 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063373.D

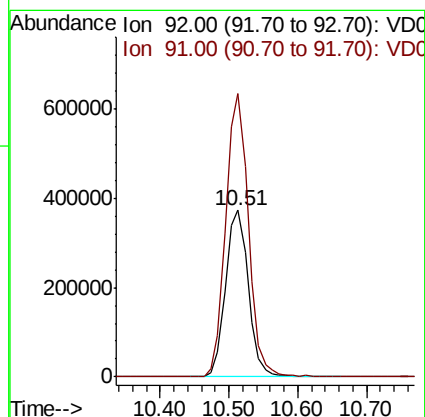
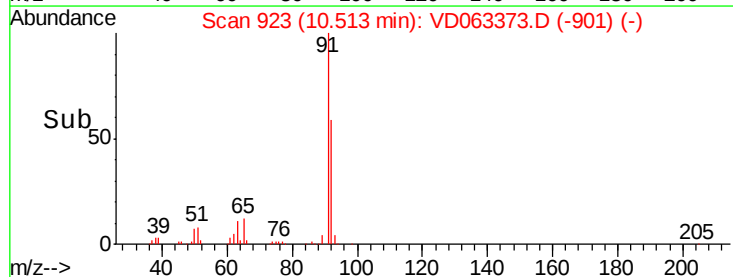
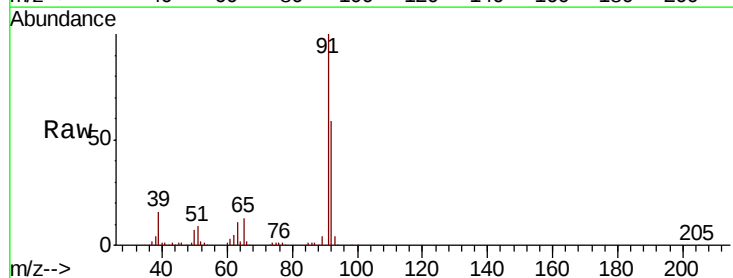
Acq: 3 Aug 2019 20:33

Tgt Ion: 92 Resp: 854745

Ion Ratio Lower Upper

92 100

91 170.0 140.8 211.2

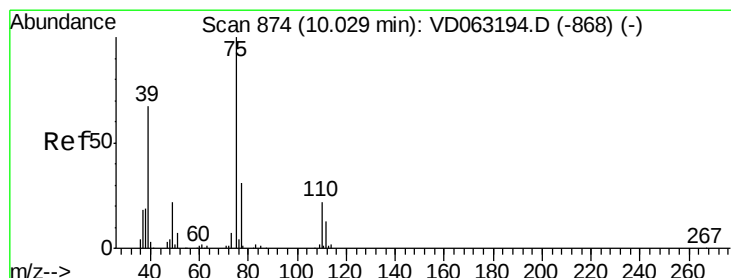
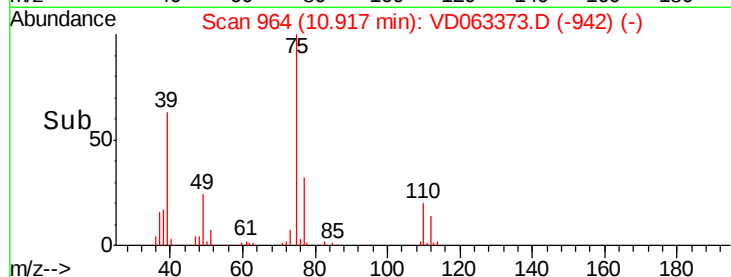
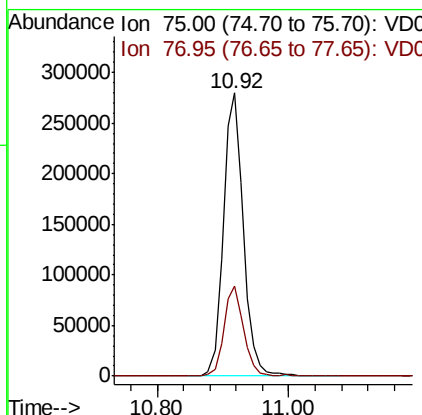
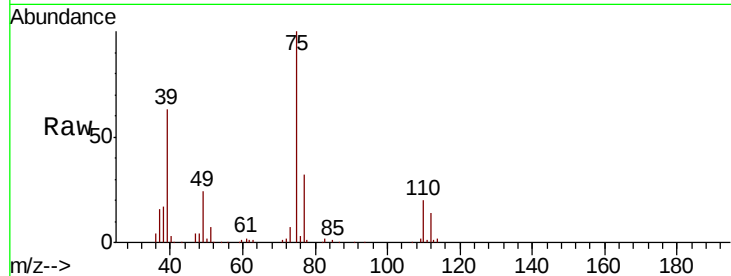




#53
t-1,3-Dichloropropene
Concen: 60.462 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

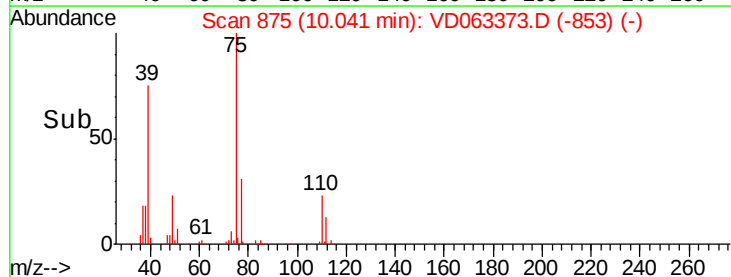
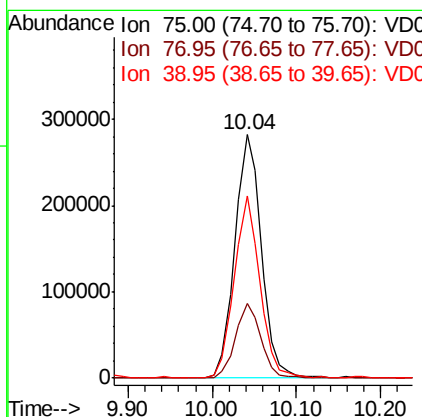
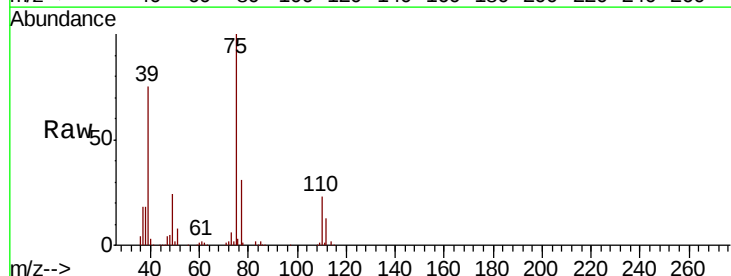
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

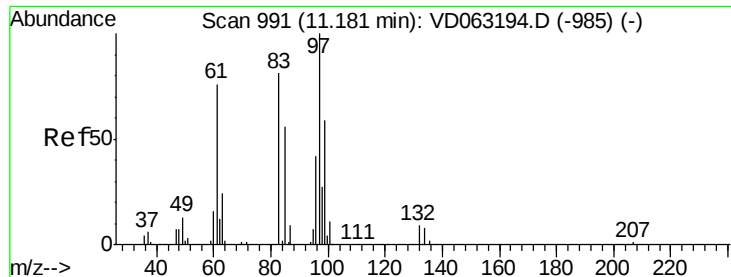
Tot Ion: 75 Resp: 589080
Ion Ratio Lower Upper
75 100
77 31.8 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 60.456 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 75 Resp: 619039
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3
39 74.6 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 59.941 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 282439

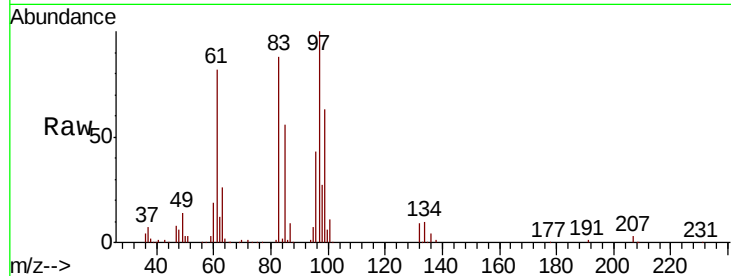
Ion Ratio Lower Upper

97 100

83 88.3 64.8 97.2

85 55.5 44.9 67.3

99 63.4 47.2 70.8

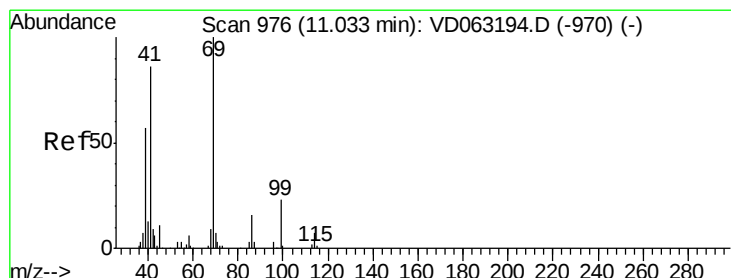
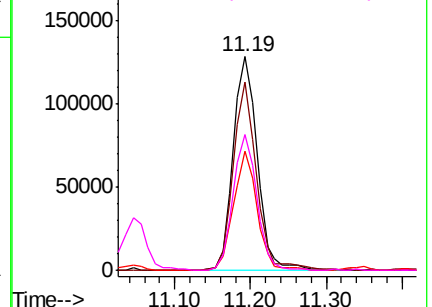
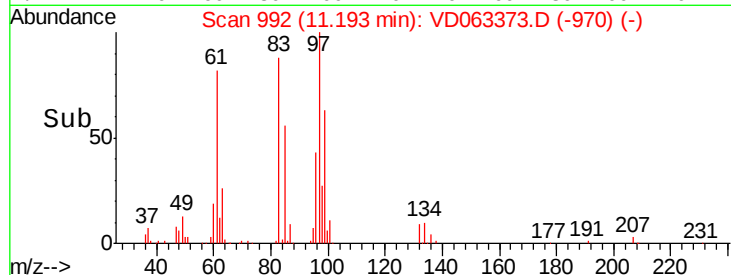


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 56.812 ug/l

RT: 11.05 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

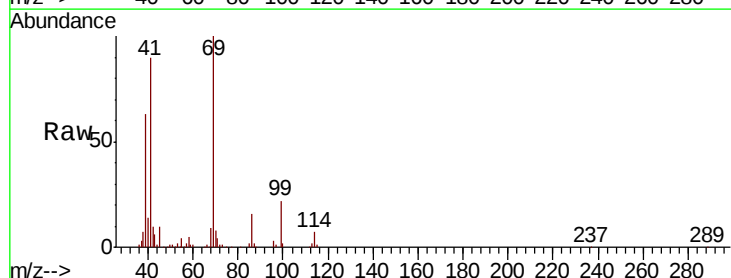
Tgt Ion: 69 Resp: 293136

Ion Ratio Lower Upper

69 100

41 90.2 68.8 103.2

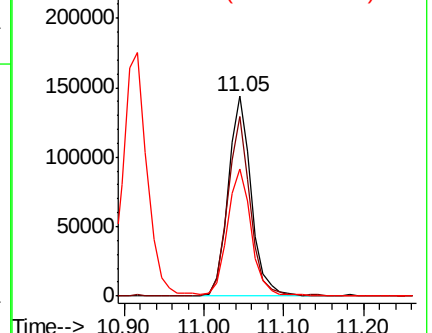
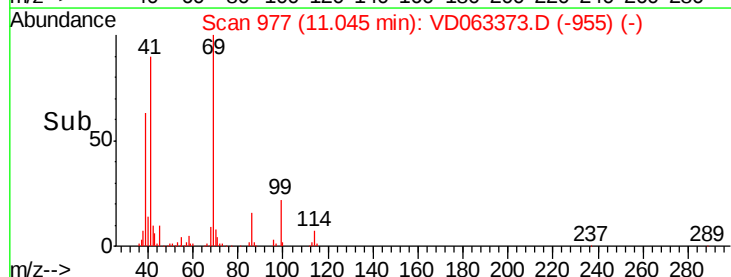
39 63.4 45.8 68.8

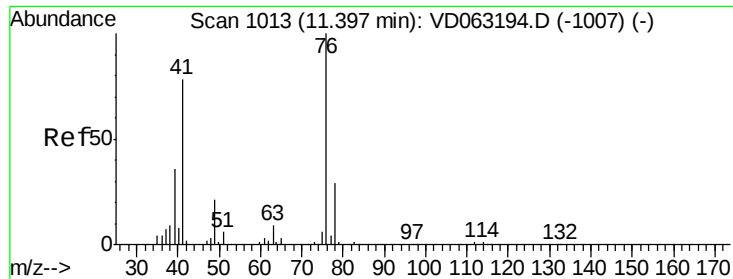


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

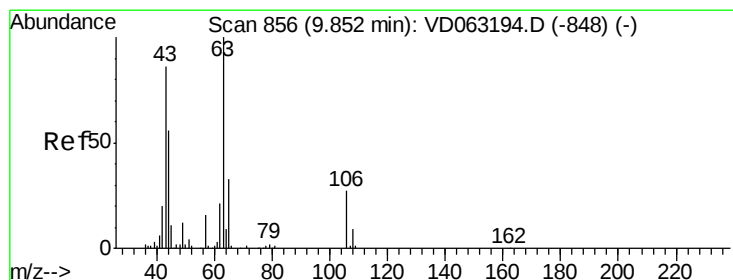
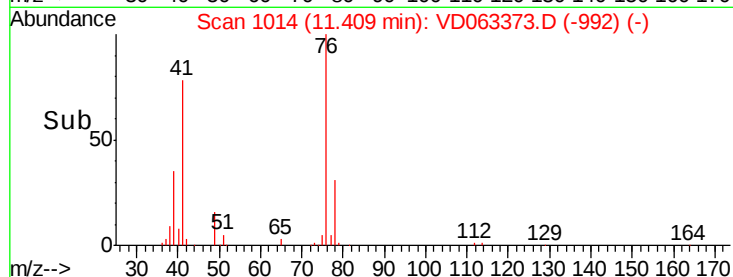
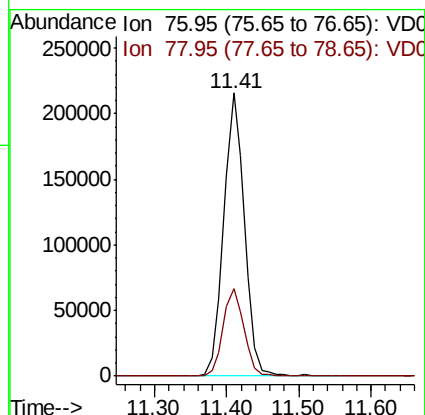
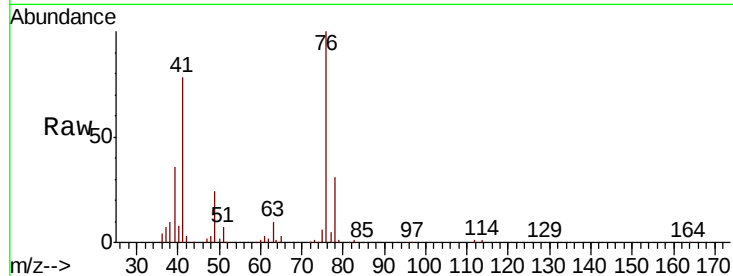




#57
 1,3-Dichloropropane
 Concen: 57.510 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

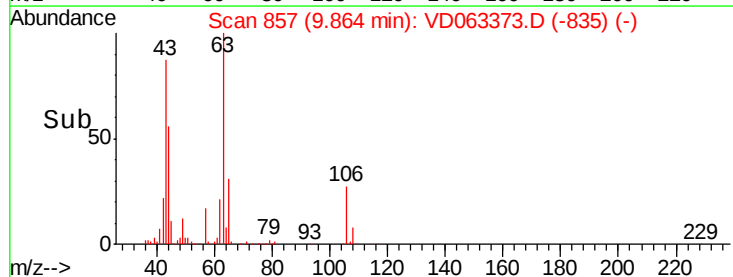
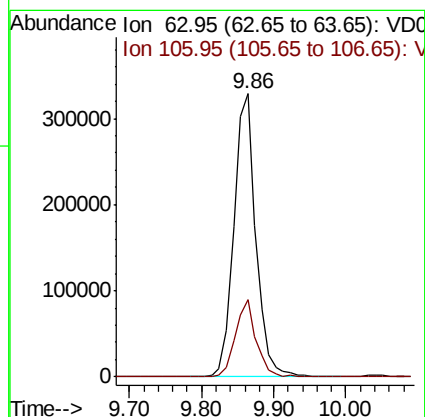
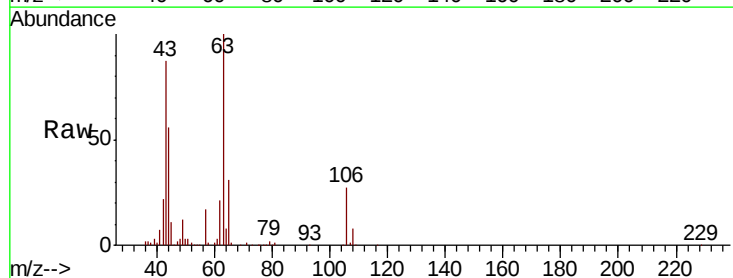
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

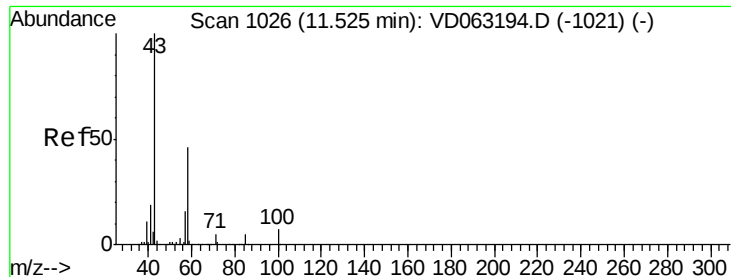
Tot Ion: 76 Resp: 426963
 Ion Ratio Lower Upper
 76 100
 78 30.9 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.139 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion: 63 Resp: 698427
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.0 33.0

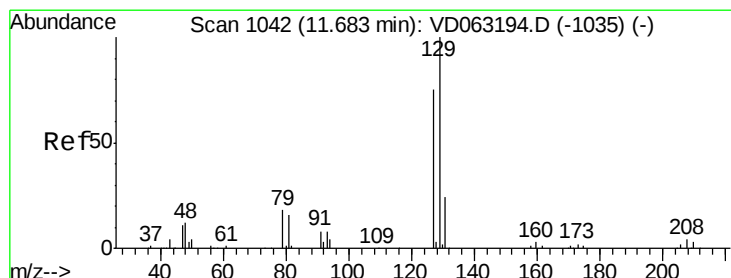
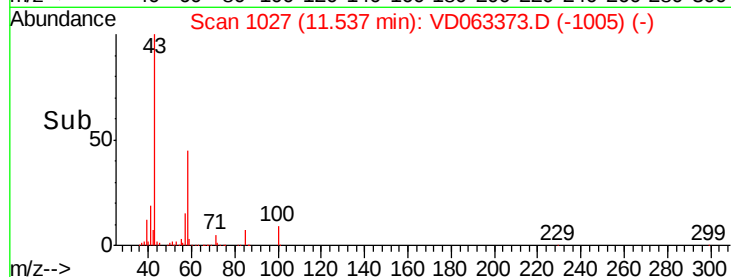
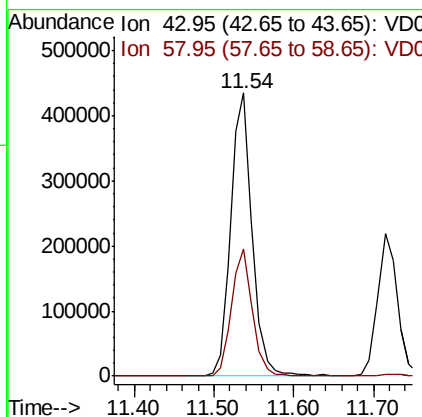
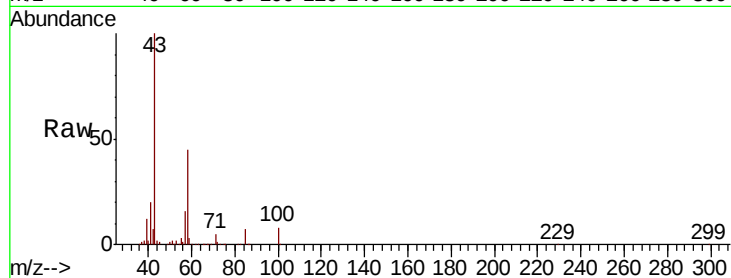




#59
2-Hexanone
Concen: 291.027 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

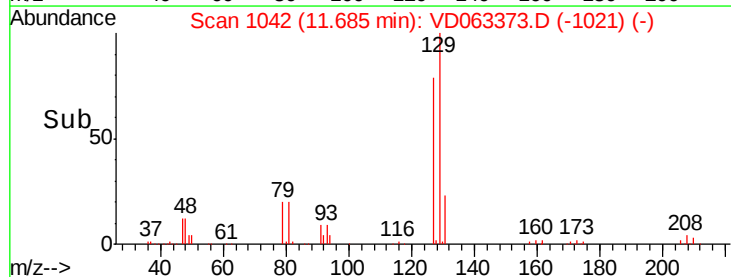
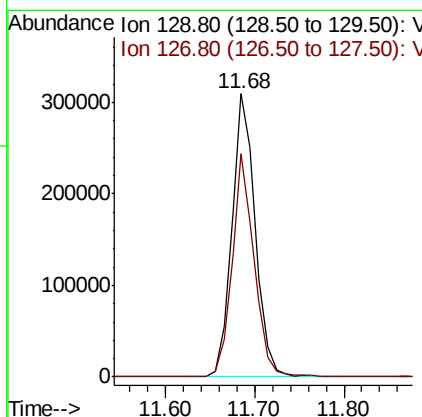
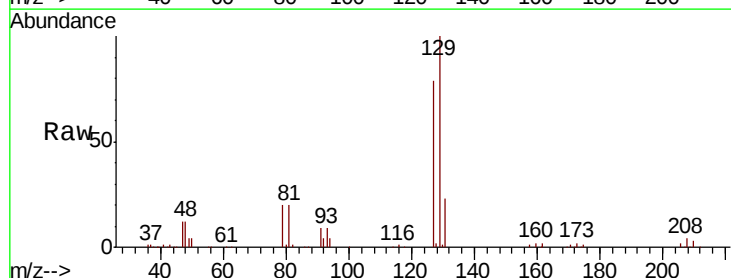
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

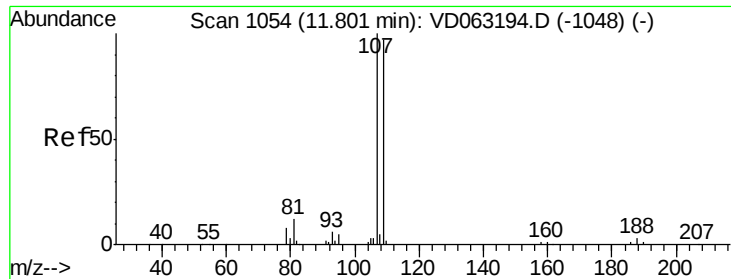
Tot Ion: 43 Resp: 819267
Ion Ratio Lower Upper
43 100
58 44.8 22.9 68.5



#60
Dibromochloromethane
Concen: 63.996 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 129 Resp: 569272
Ion Ratio Lower Upper
129 100
127 78.8 37.6 112.8

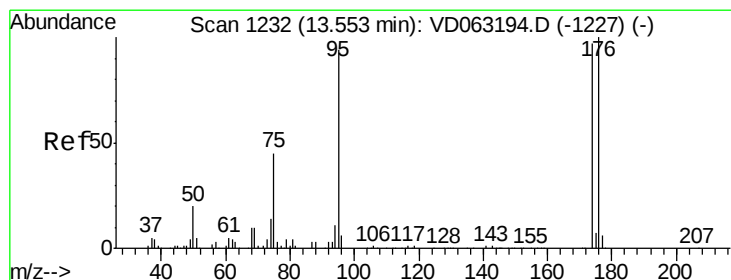
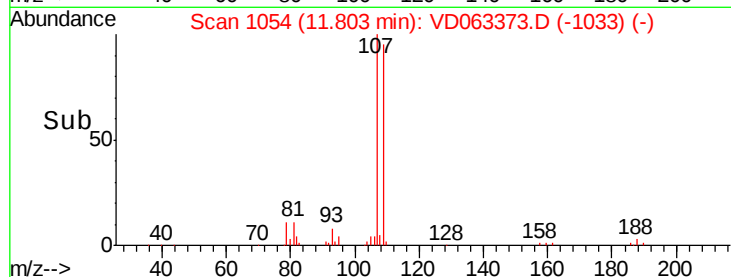
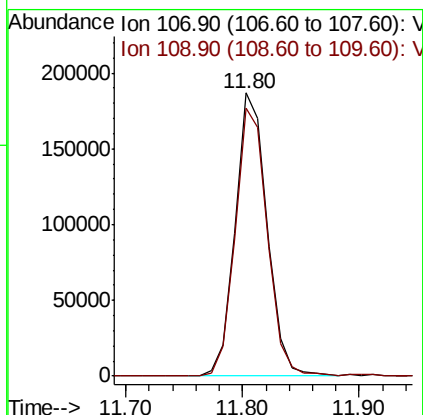
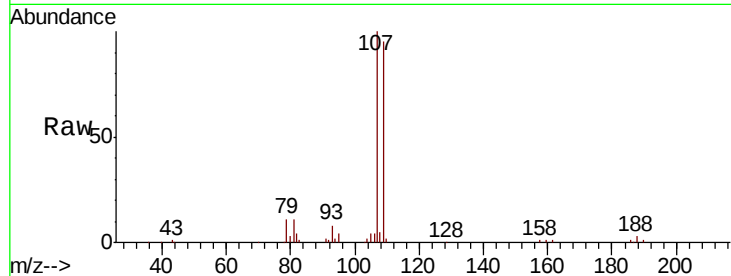




#61
 1,2-Dibromoethane
 Concen: 60.727 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

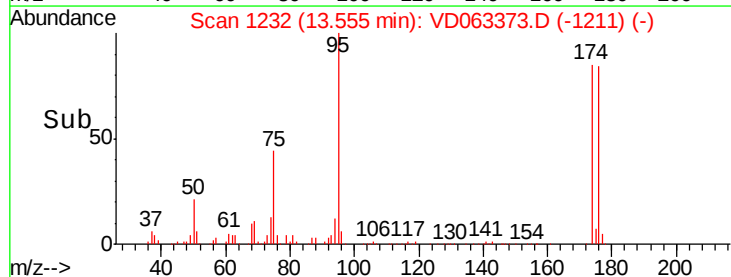
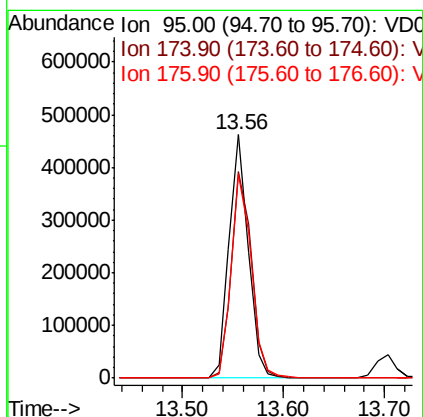
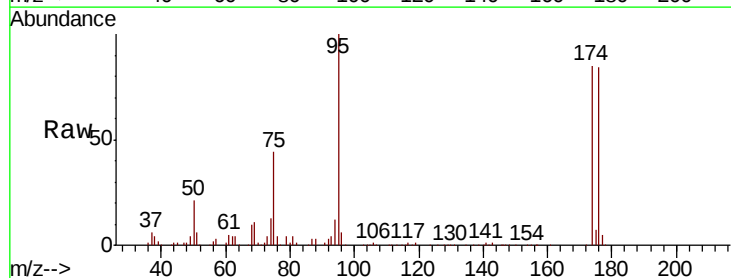
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

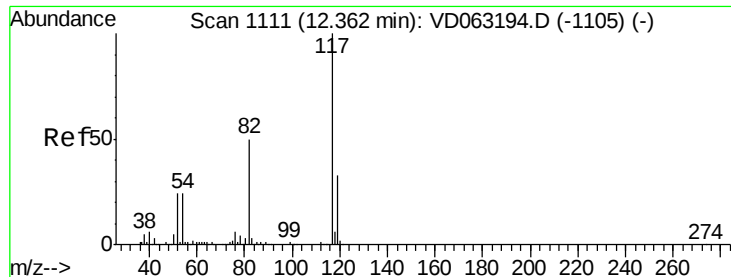
Tot Ion:107 Resp: 353083
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 63.619 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion: 95 Resp: 607524
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 205.4
 176 83.8 0.0 211.8

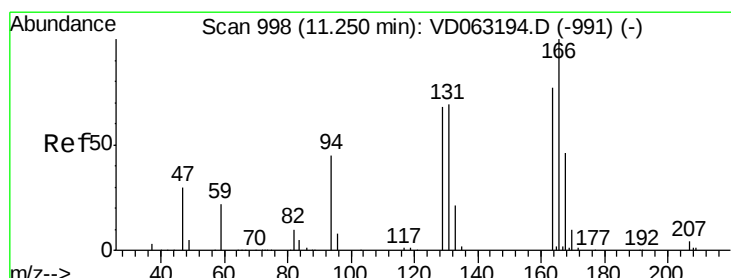
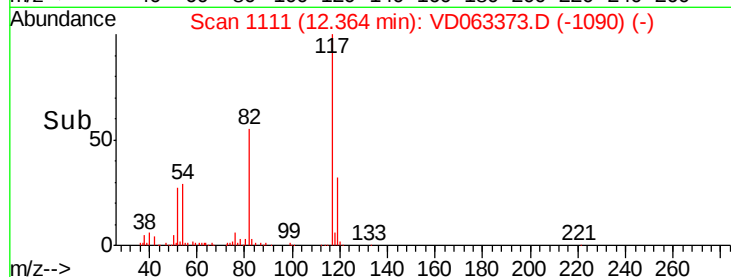
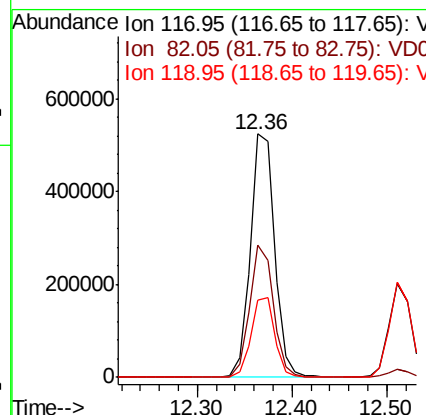
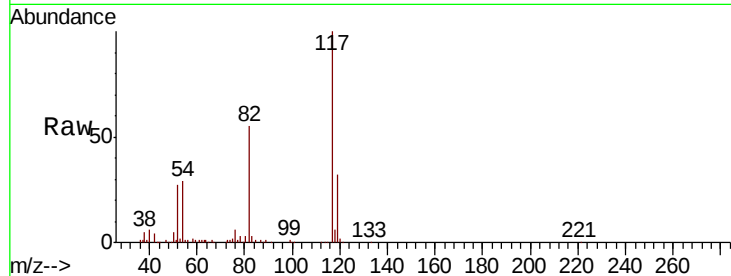




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

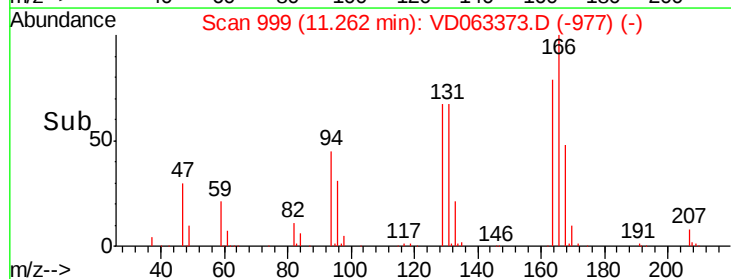
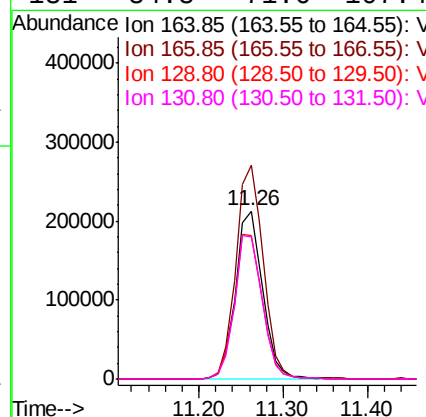
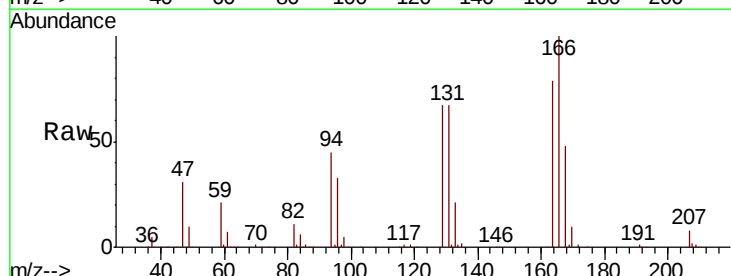
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

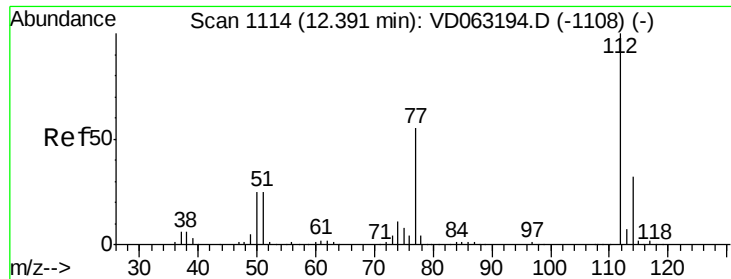
Tot Ion:117 Resp: 931121
Ion Ratio Lower Upper
117 100
82 54.5 40.1 60.1
119 31.6 26.5 39.7



#64
Tetrachloroethene
Concen: 64.154 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion:164 Resp: 475886
Ion Ratio Lower Upper
164 100
166 127.1 104.3 156.5
129 85.3 70.9 106.3
131 84.8 71.6 107.4

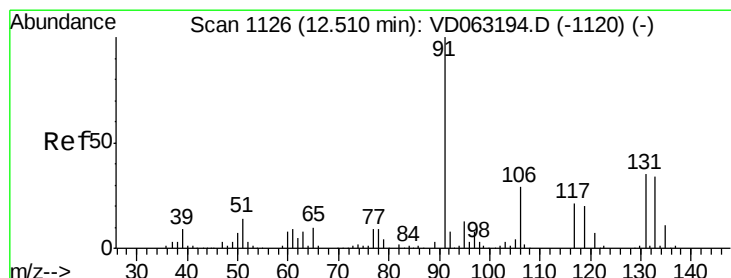
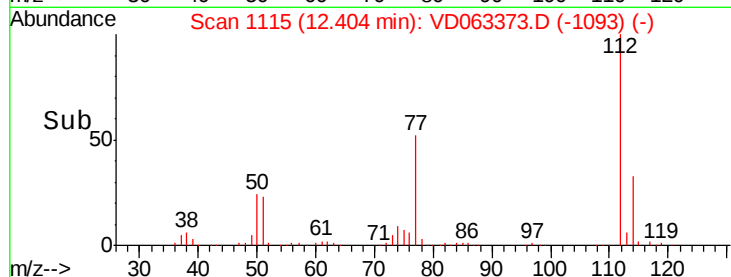
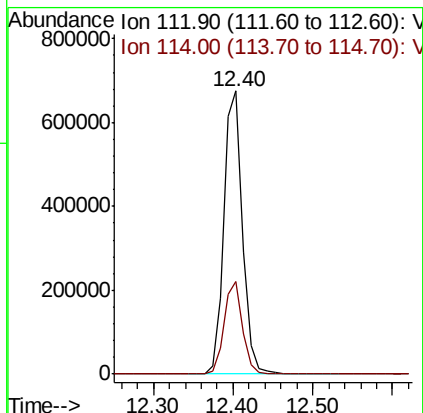
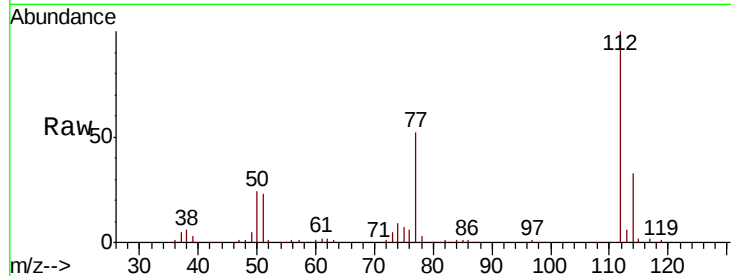




#65
Chlorobenzene
Concen: 62.320 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

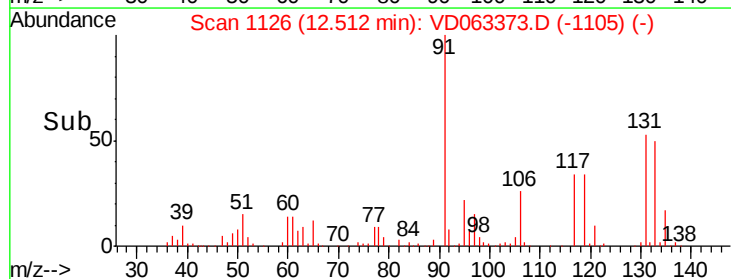
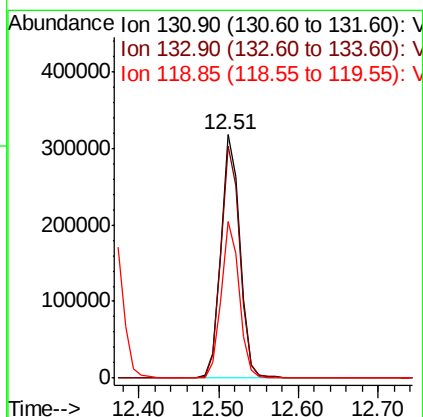
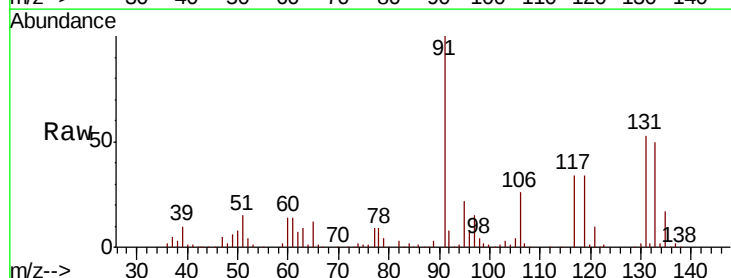
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

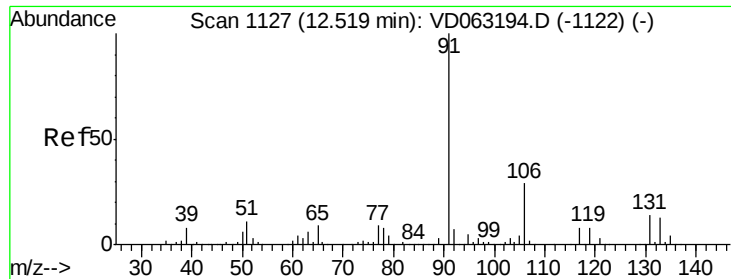
Tot Ion:112 Resp: 1116119
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 67.810 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion:131 Resp: 534953
Ion Ratio Lower Upper
131 100
133 95.1 48.4 145.2
119 64.5 29.1 87.3

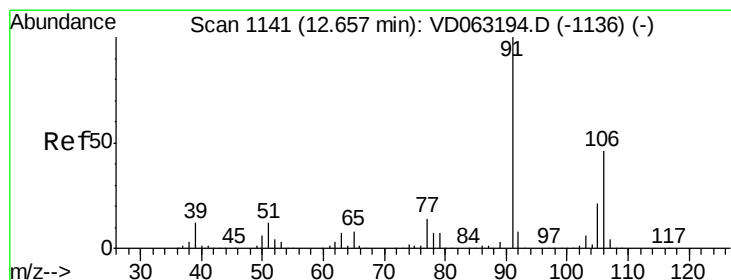
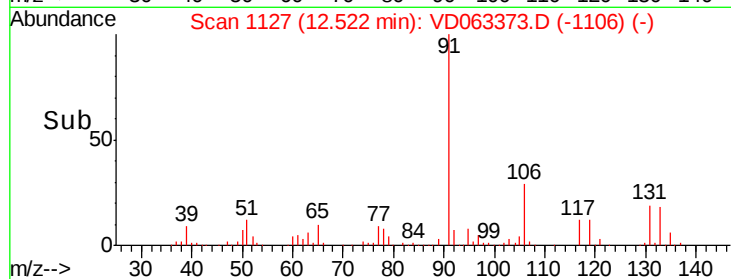
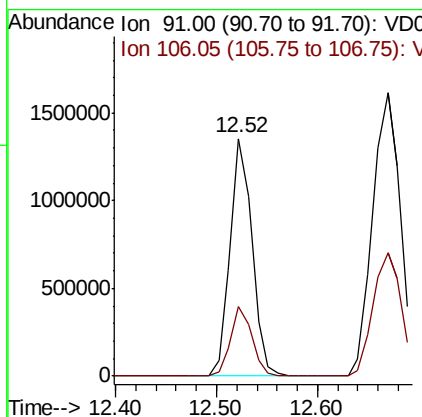
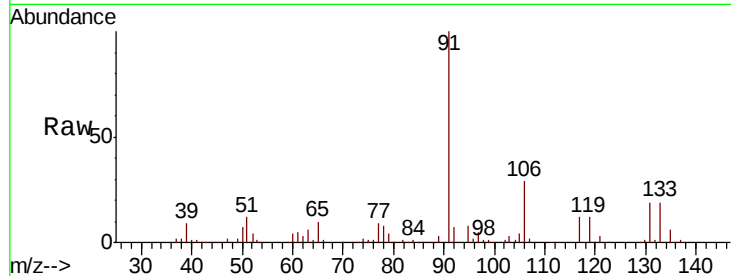




#67
Ethyl Benzene
Concen: 67.440 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

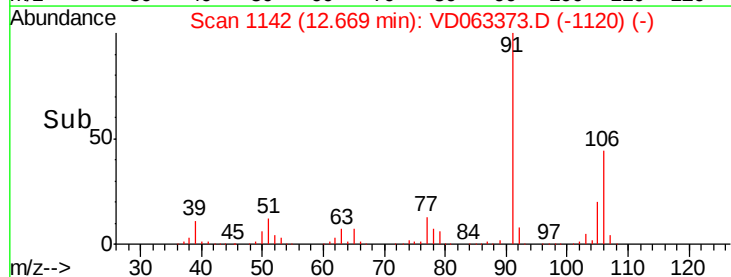
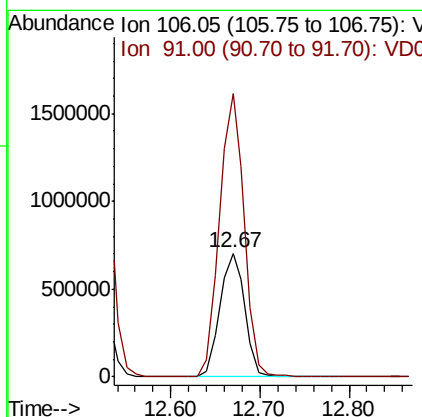
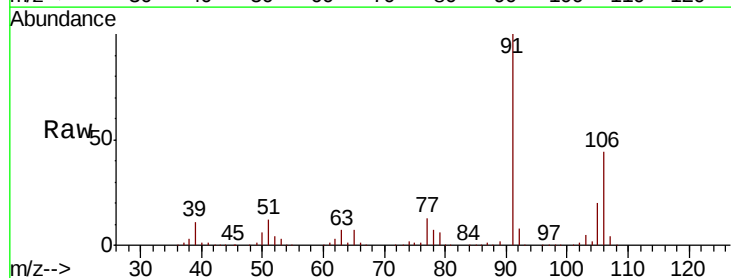
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

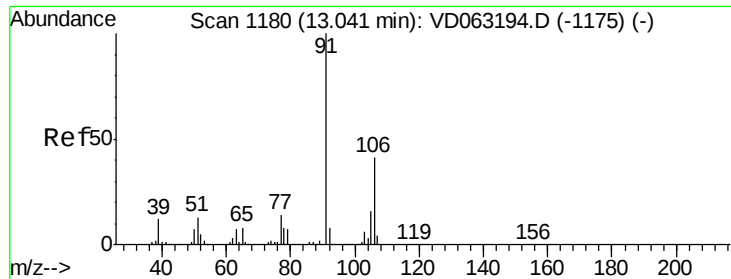
Tot Ion: 91 Resp: 2051832
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 124.213 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 106 Resp: 1385918
Ion Ratio Lower Upper
106 100
91 228.9 172.6 259.0

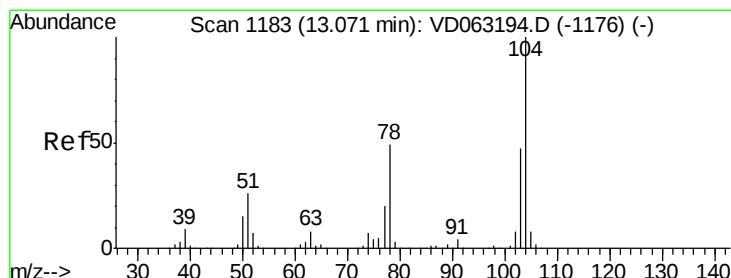
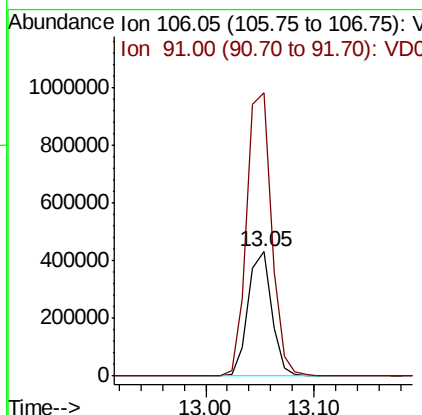
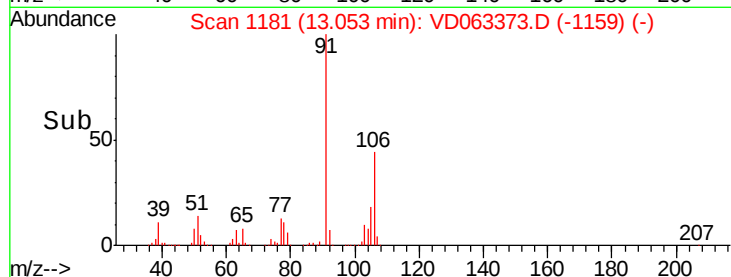
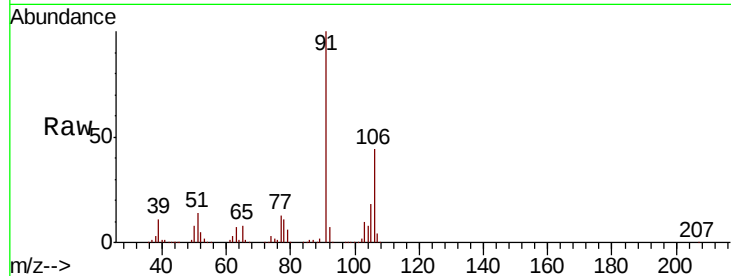




#69
o-Xylene
Concen: 64.224 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

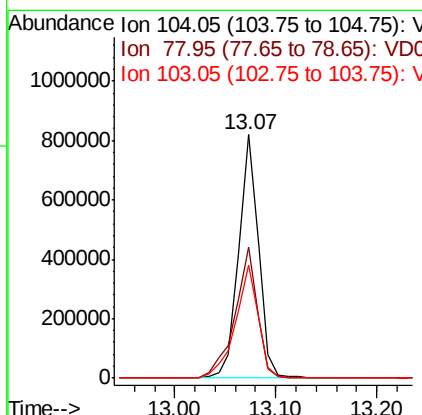
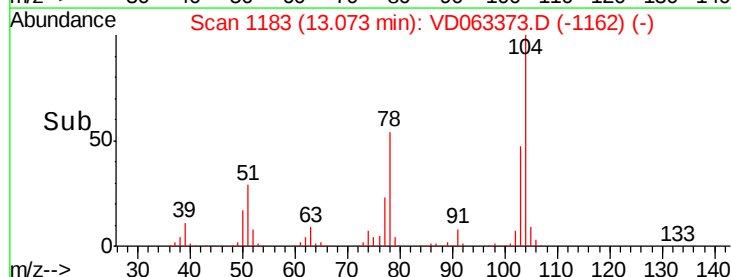
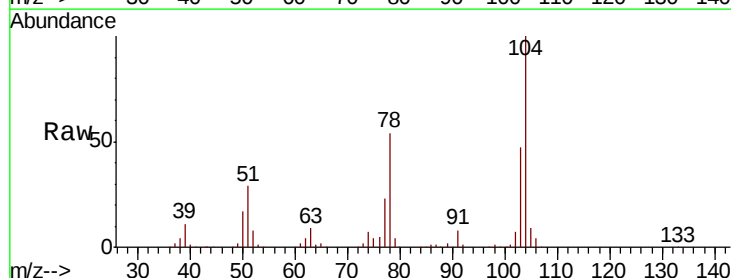
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

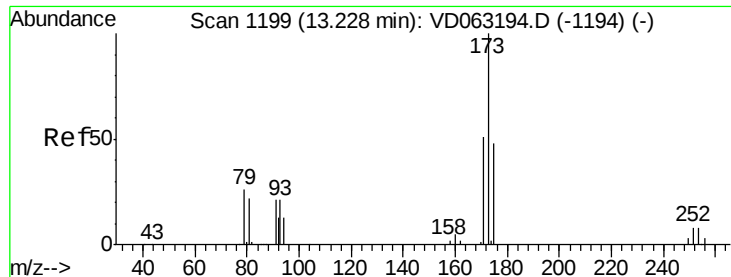
Tot Ion:106 Resp: 658042
Ion Ratio Lower Upper
106 100
91 227.9 121.3 363.9



#70
Styrene
Concen: 61.356 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion:104 Resp: 1114878
Ion Ratio Lower Upper
104 100
78 53.6 39.4 59.0
103 46.7 37.4 56.2





#71

Bromoform

Concen: 61.762 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

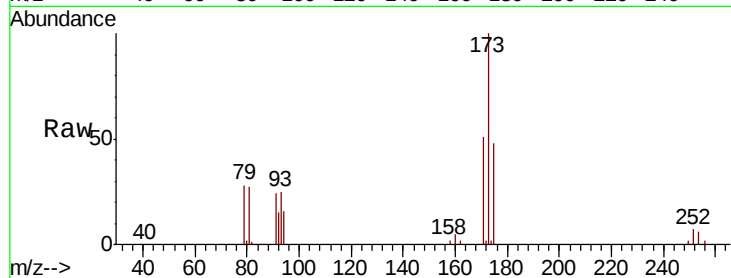
Tot Ion:173 Resp: 354330

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.5

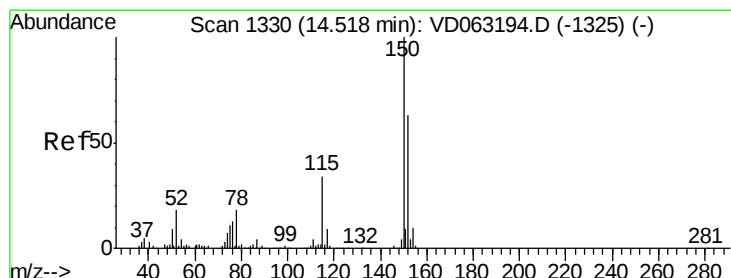
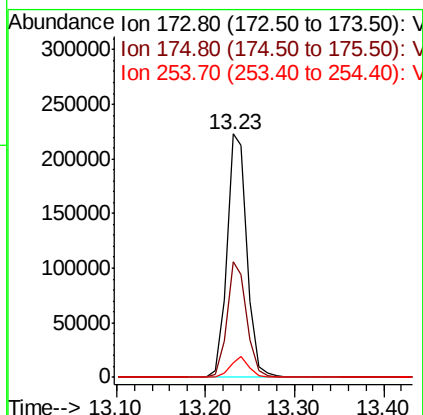
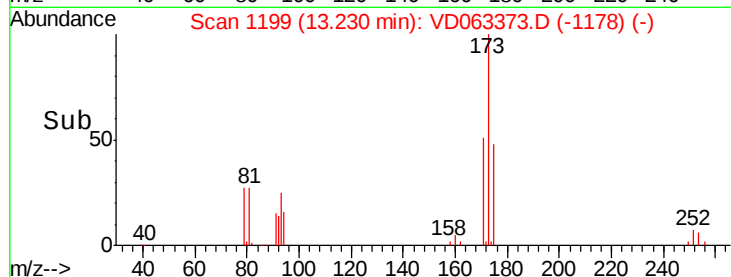
254 6.2 6.6 10.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

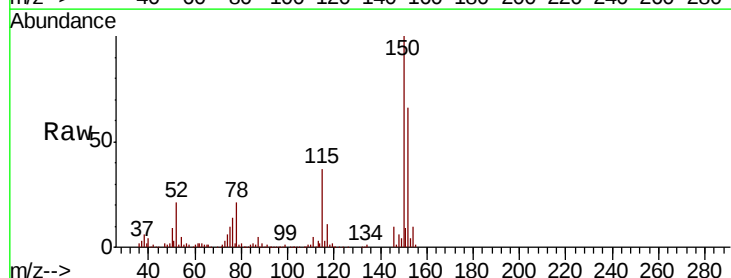
Tgt Ion:152 Resp: 553175

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.4

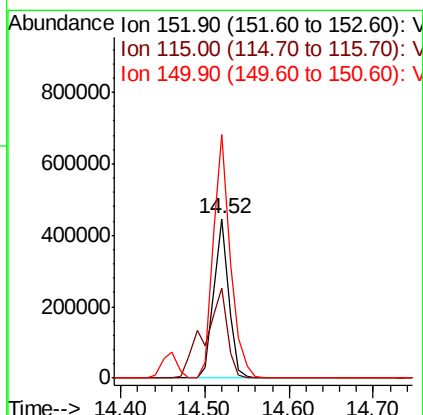
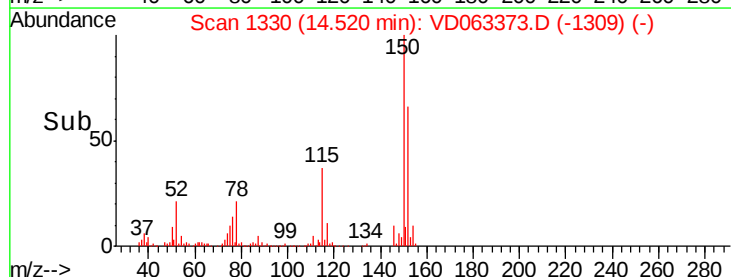
150 152.6 0.0 320.6

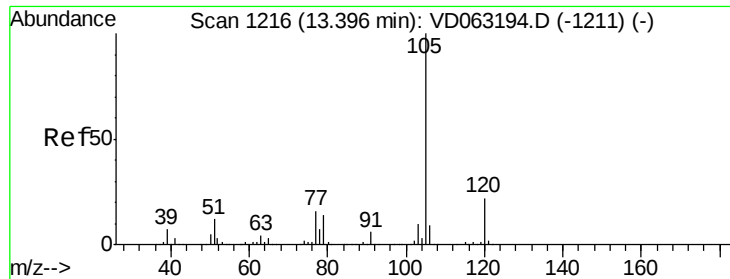


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 60.215 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

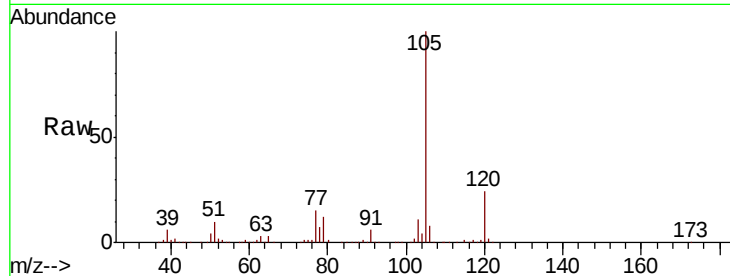
VSTDCCC050EC

Tot Ion:105 Resp: 2090595

Ion Ratio Lower Upper

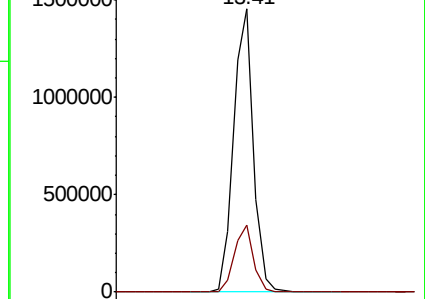
105 100

120 23.6 11.1 33.3

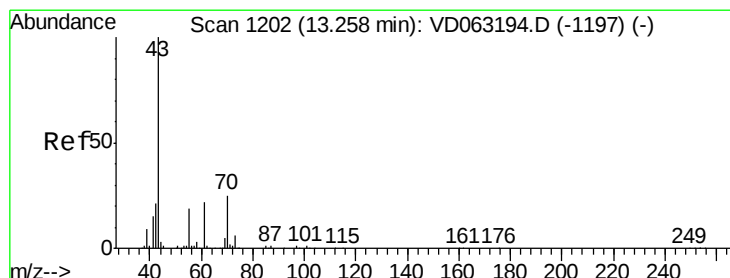
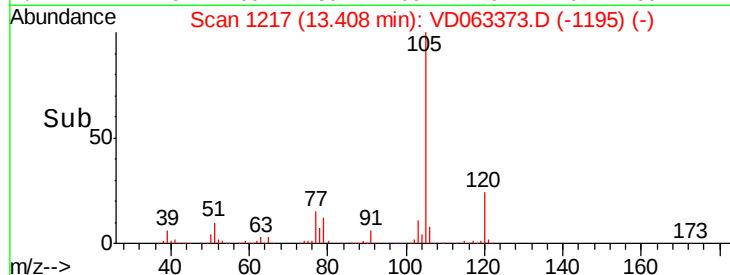


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 50.207 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Tgt Ion: 43 Resp: 460813

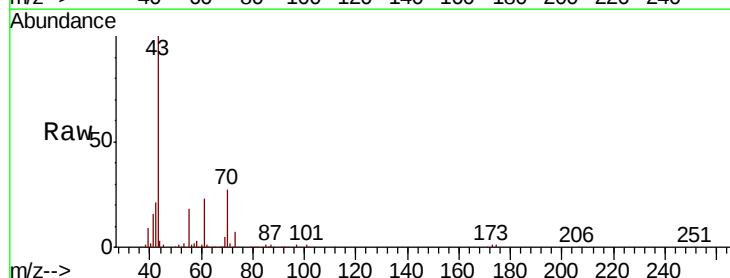
Ion Ratio Lower Upper

43 100

70 27.0 20.2 30.4

55 18.2 14.9 22.3

61 23.3 17.9 26.9

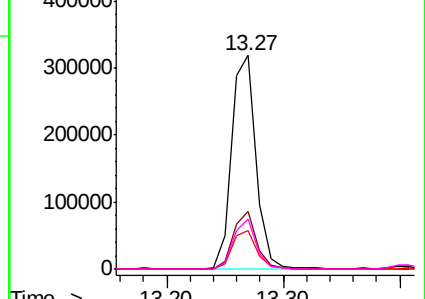


Abundance Ion 42.95 (42.65 to 43.65): V

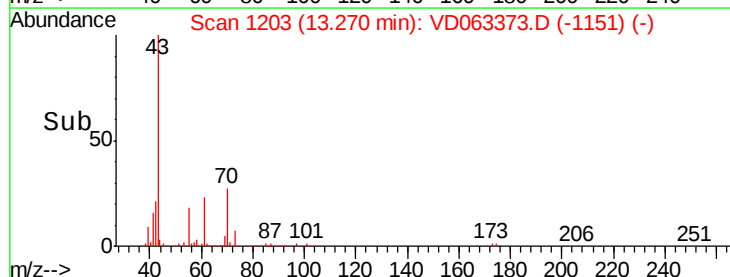
Ion 70.00 (69.70 to 70.70): V

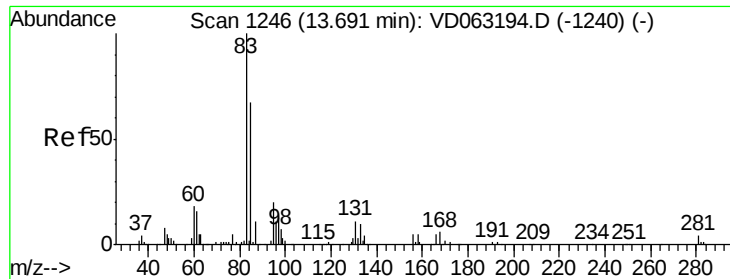
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 58.154 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

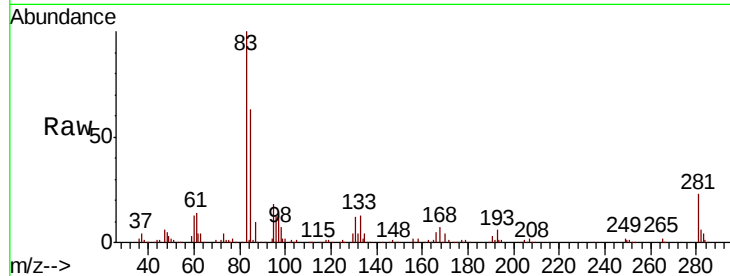
Tot Ion: 83 Resp: 342964

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

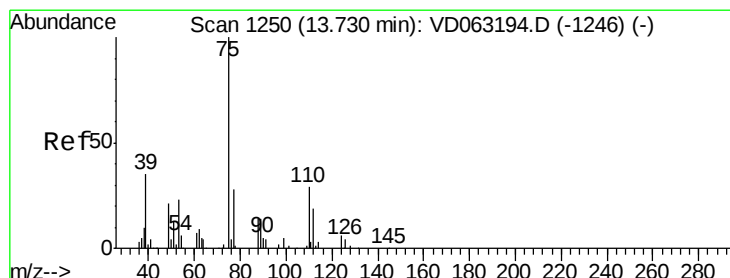
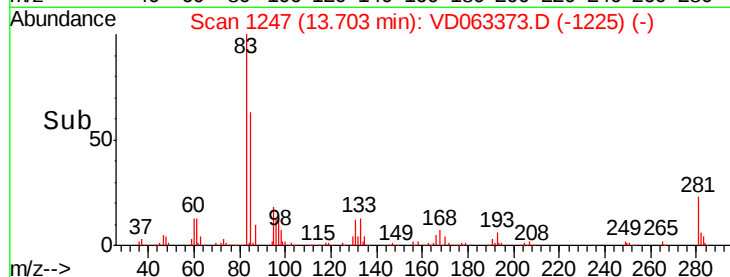
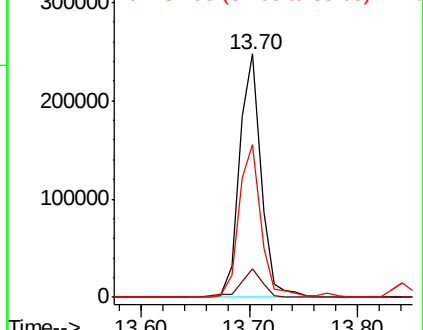
85 62.9 33.7 101.1



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: 53.735 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063373.D

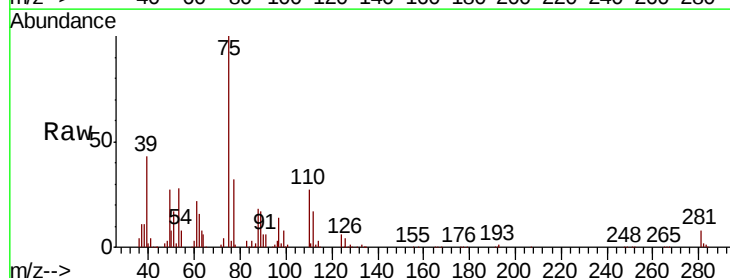
Acq: 3 Aug 2019 20:33

Tgt Ion: 75 Resp: 357031

Ion Ratio Lower Upper

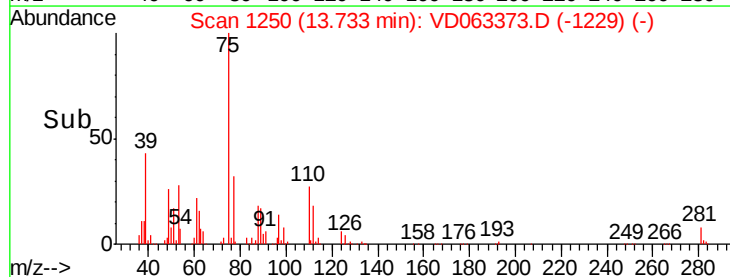
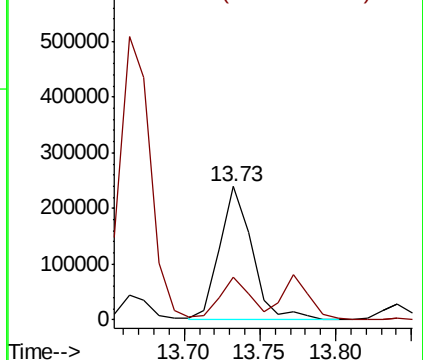
75 100

77 32.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

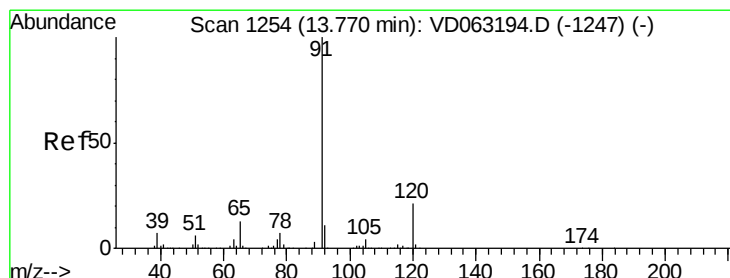
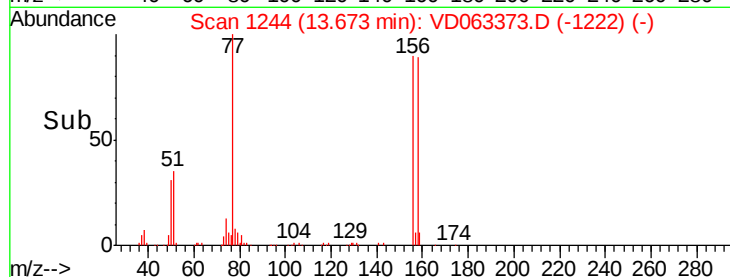
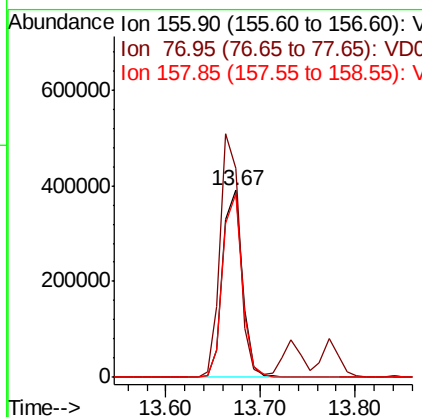
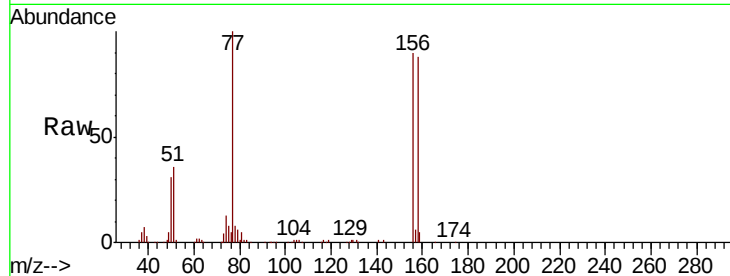




#77
Bromobenzene
Concen: 56.986 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

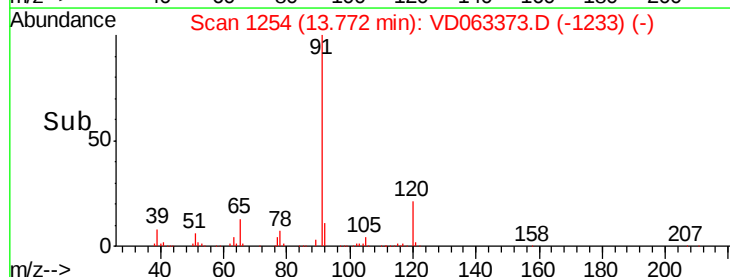
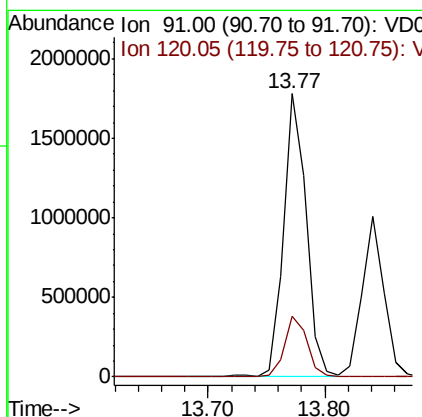
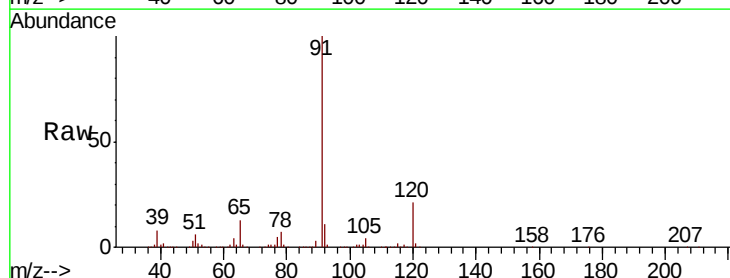
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

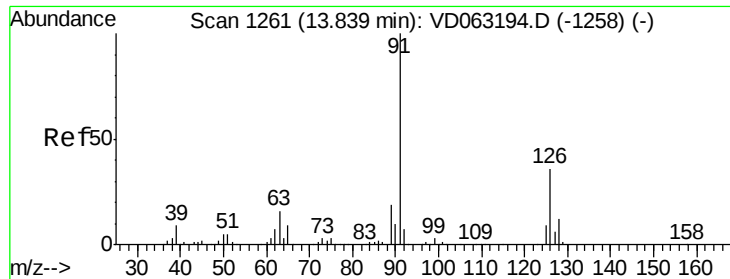
Tot Ion:156 Resp: 563609
Ion Ratio Lower Upper
156 100
77 111.5 67.6 202.8
158 98.4 49.8 149.4



#78
n-propylbenzene
Concen: 57.819 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 91 Resp: 2388884
Ion Ratio Lower Upper
91 100
120 21.4 10.7 32.1





#79

2-Chlorotoluene

Concen: 54.598 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

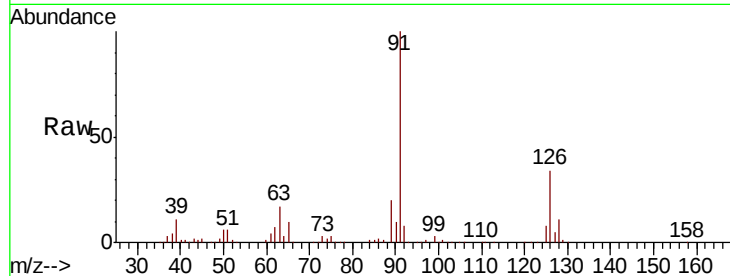
VSTDCCC050EC

Tot Ion: 91 Resp: 1307084

Ion Ratio Lower Upper

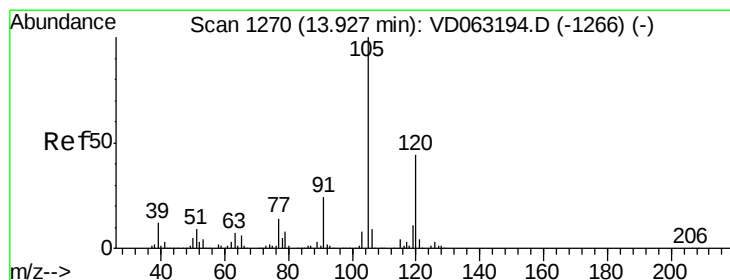
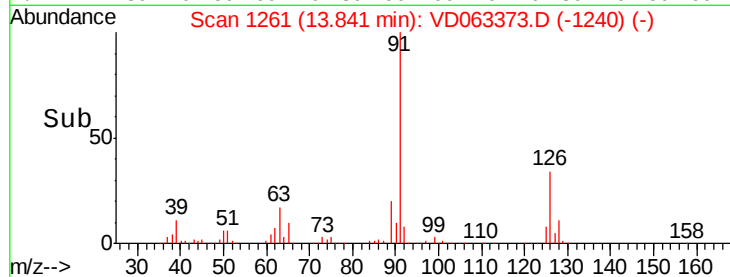
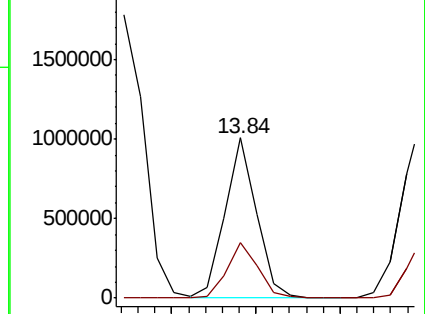
91 100

126 34.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 56.532 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063373.D

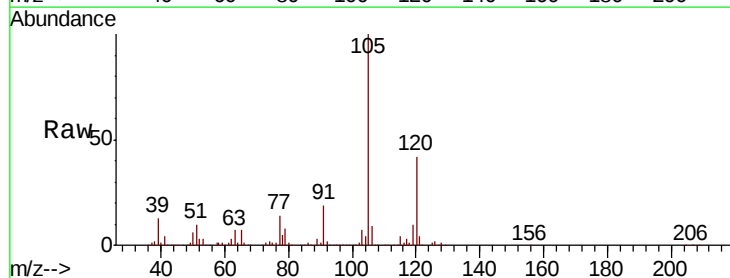
Acq: 3 Aug 2019 20:33

Tgt Ion:105 Resp: 1692847

Ion Ratio Lower Upper

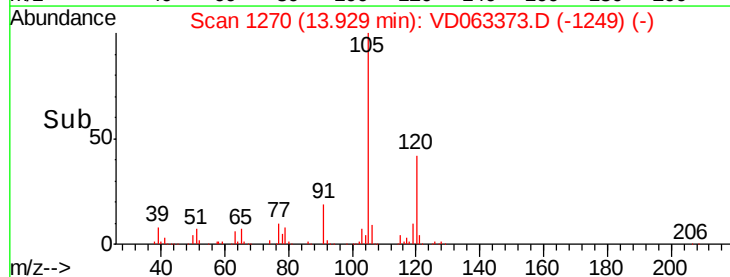
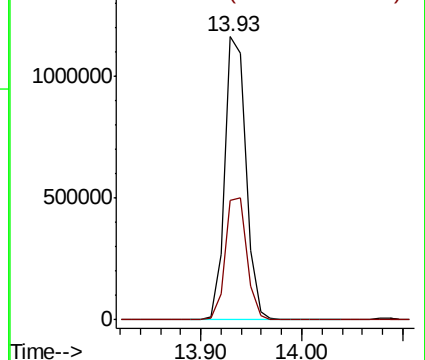
105 100

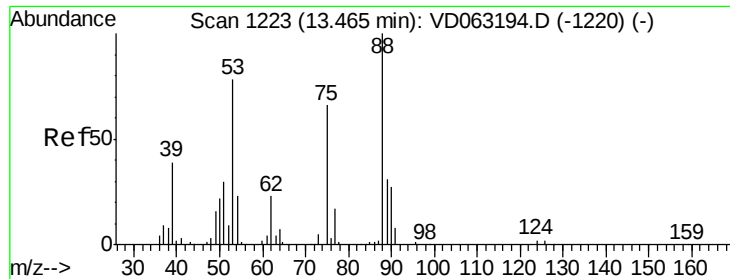
120 42.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

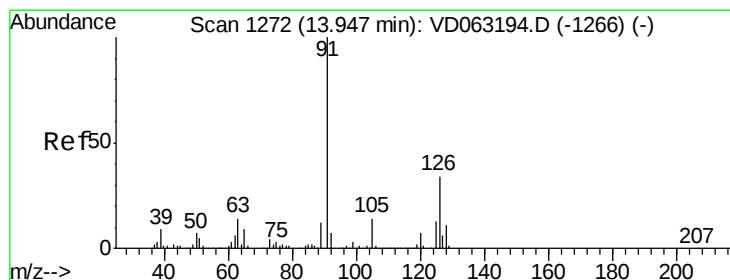
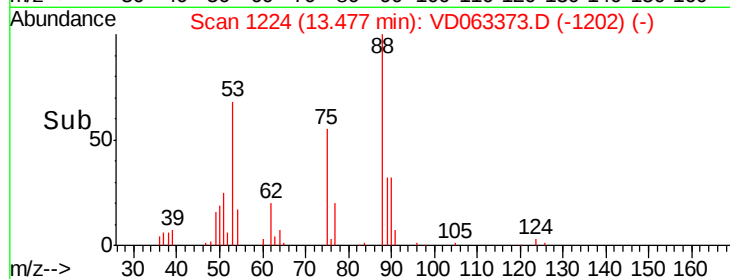
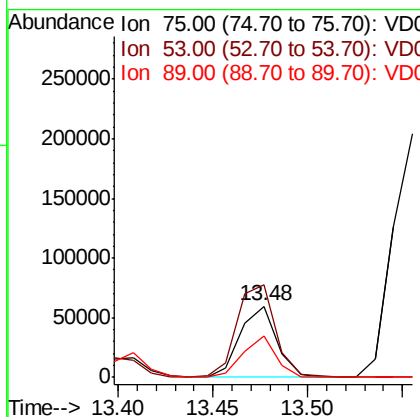
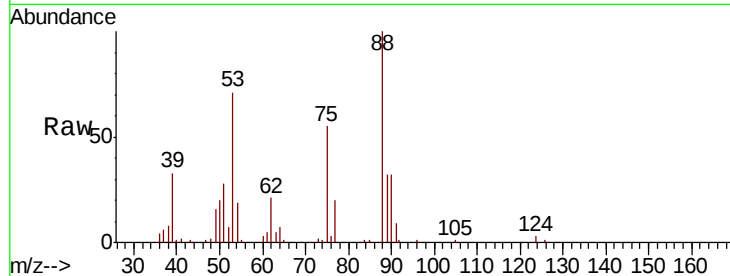




#81
trans-1,4-Dichloro-2-butene
Concen: 43.408 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

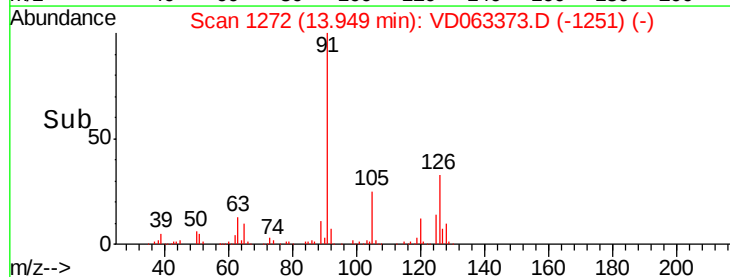
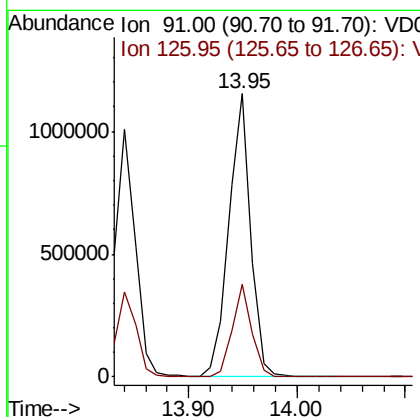
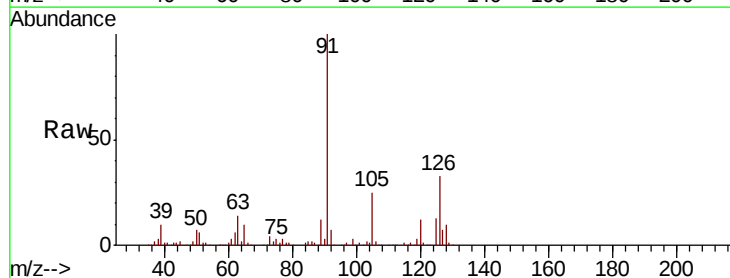
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 80087
Ion Ratio Lower Upper
75 100
53 129.4 94.9 142.3
89 58.9 37.4 56.0#



#82
4-Chlorotoluene
Concen: 57.382 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion: 91 Resp: 1616687
Ion Ratio Lower Upper
91 100
126 32.9 17.1 51.2

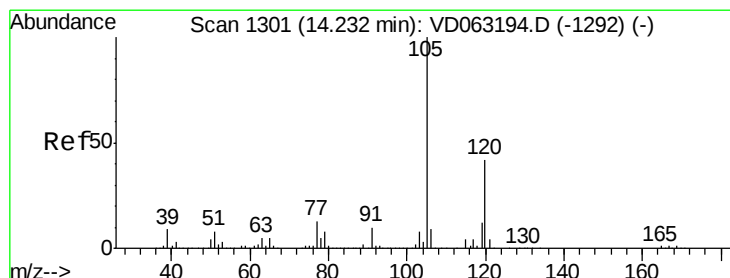
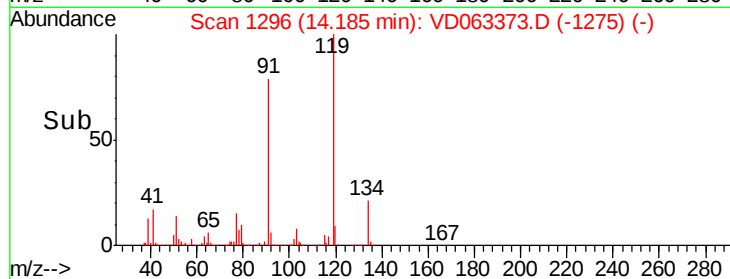
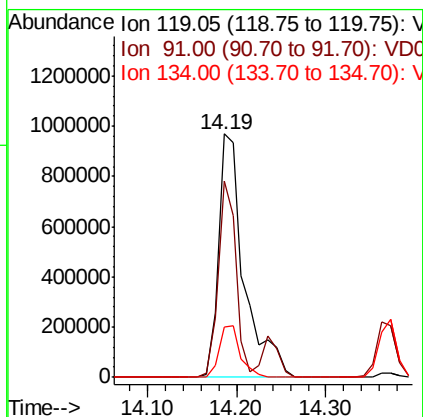
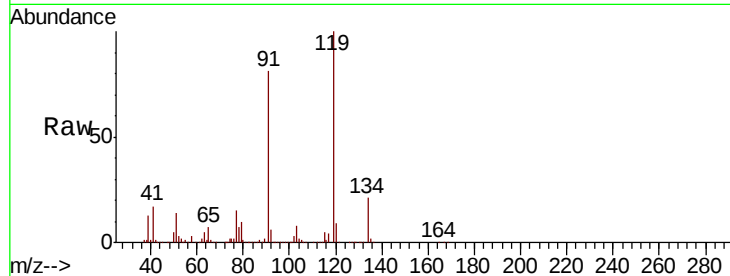




#83
tert-Butylbenzene
Concen: 56.959 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

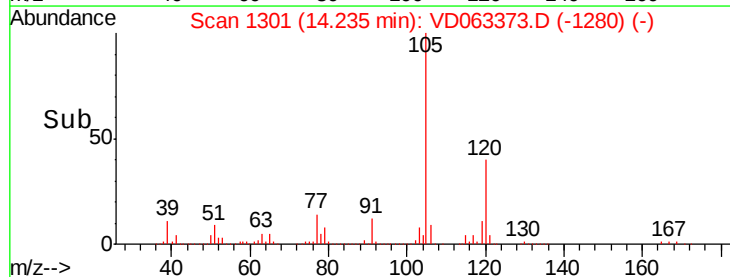
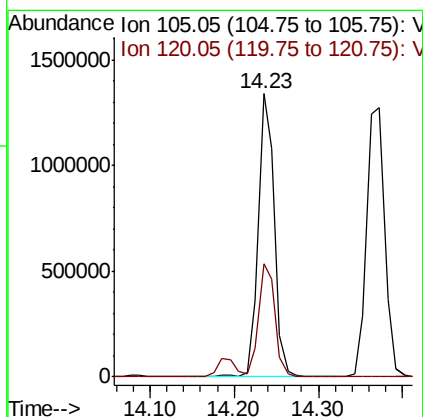
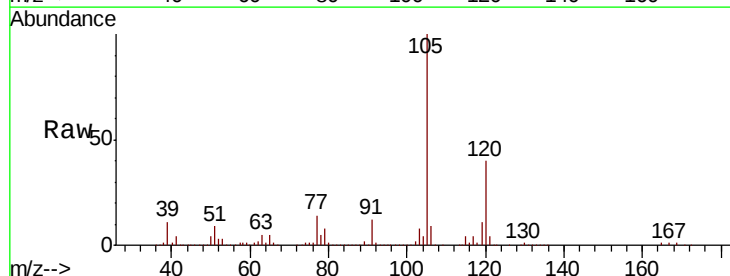
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

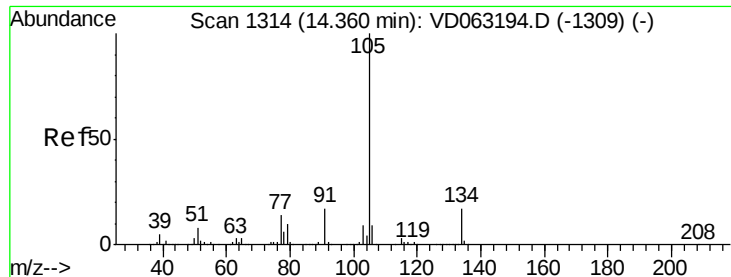
Tot Ion:119 Resp: 1947516
Ion Ratio Lower Upper
119 100
91 80.8 39.1 117.5
134 20.6 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 58.034 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion:105 Resp: 1797500
Ion Ratio Lower Upper
105 100
120 40.1 20.9 62.7





#85

sec-Butylbenzene

Concen: 52.946 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

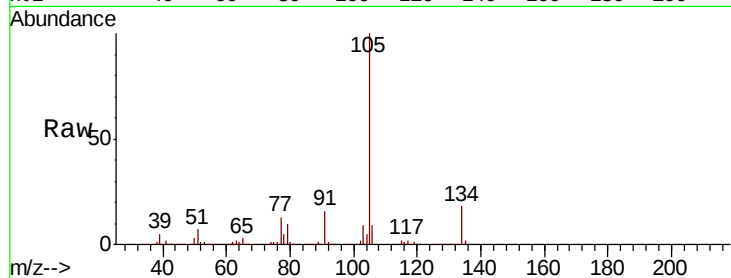
VSTDCCC050EC

Tot Ion:105 Resp: 1907307

Ion Ratio Lower Upper

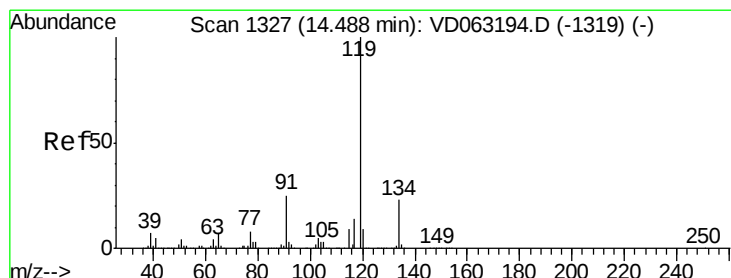
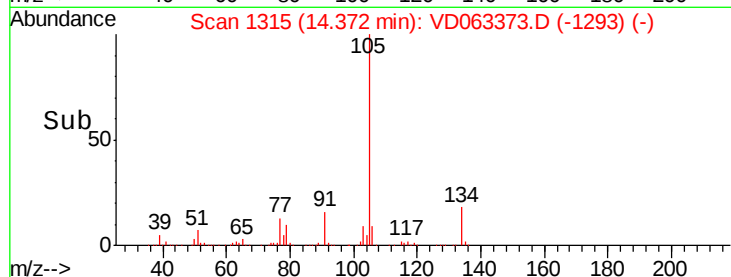
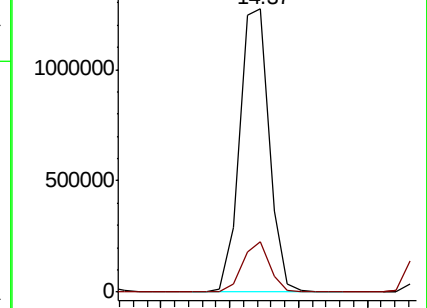
105 100

134 18.0 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: 57.973 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

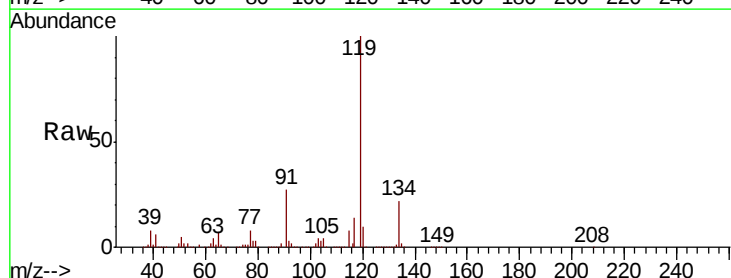
Tgt Ion:119 Resp: 1993269

Ion Ratio Lower Upper

119 100

134 21.8 11.5 34.5

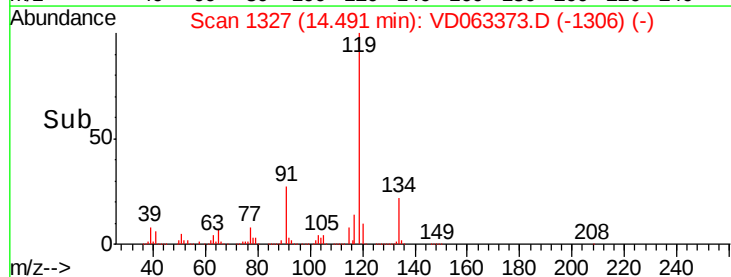
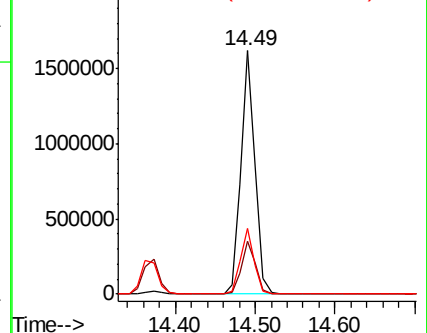
91 26.8 12.6 37.6

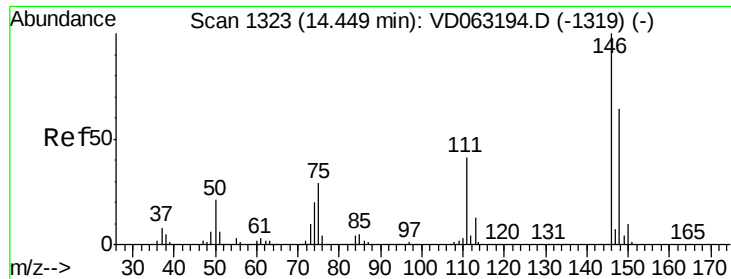


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

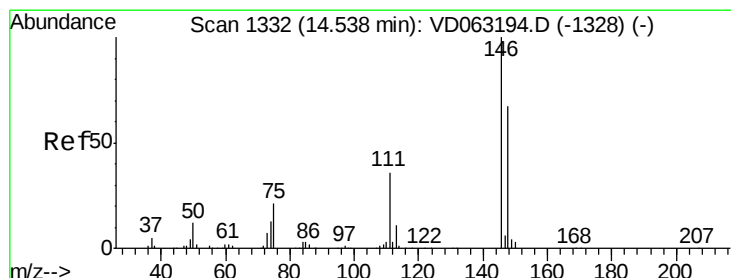
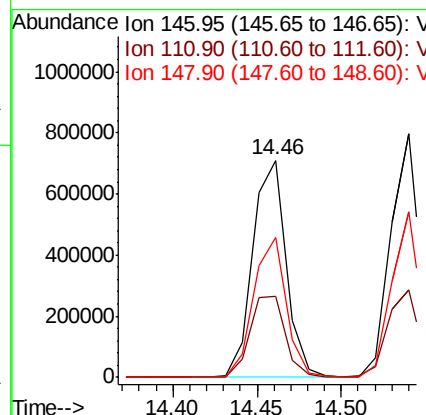
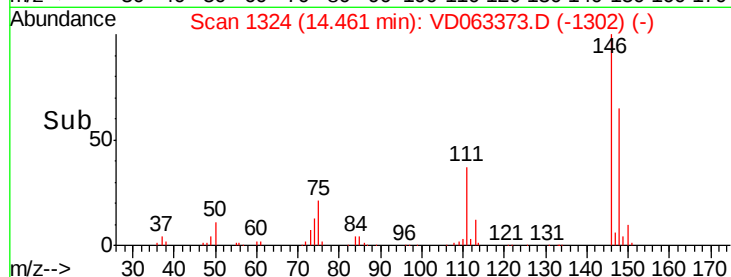
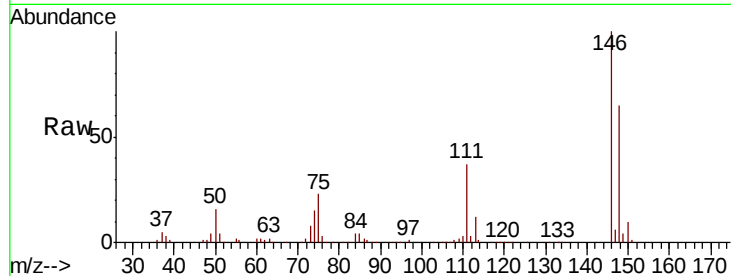




#87
 1,3-Dichlorobenzene
 Concen: 55.814 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

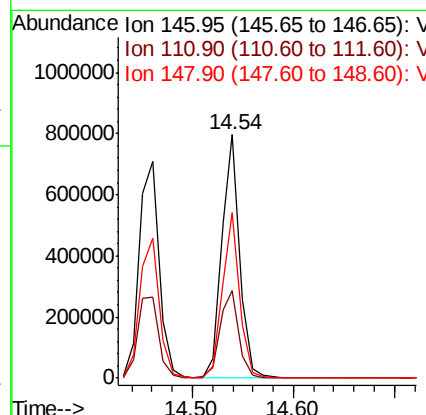
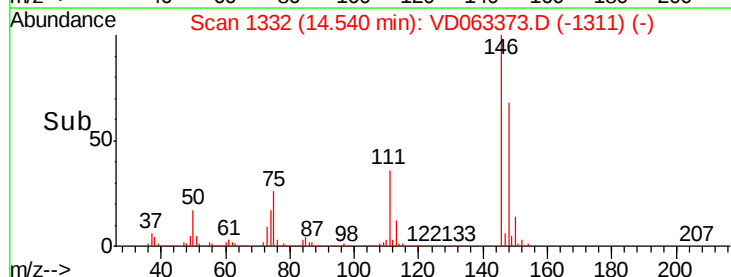
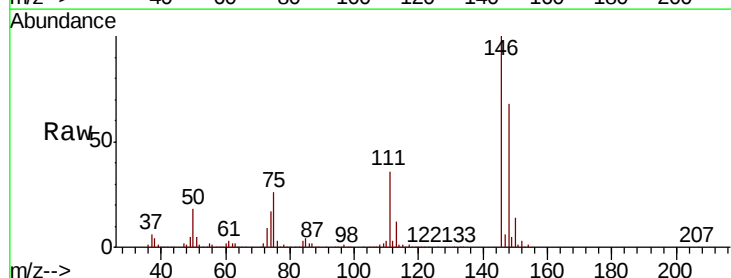
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

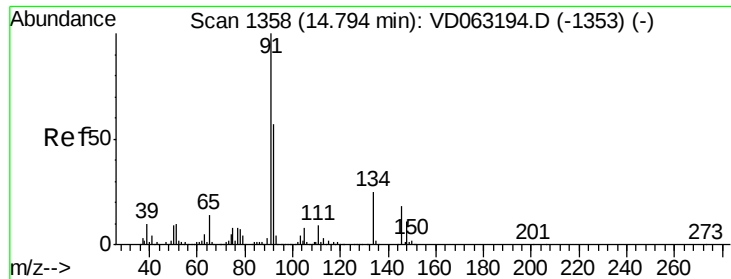
Tot Ion:146 Resp: 977583
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.4 61.3
 148 64.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 55.797 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion:146 Resp: 988257
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.3
 148 68.0 33.4 100.1





#89

n-Butylbenzene

Concen: 59.492 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

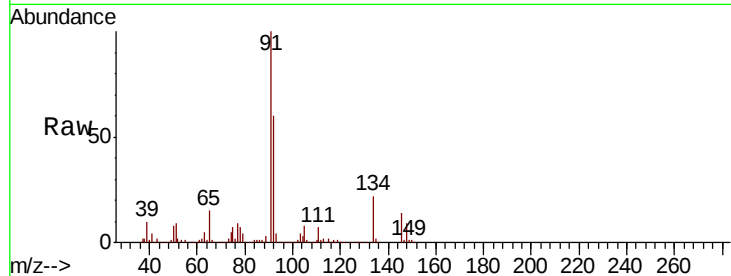
Tot Ion: 91 Resp: 1766677

Ion Ratio Lower Upper

91 100

92 60.4 28.3 85.0

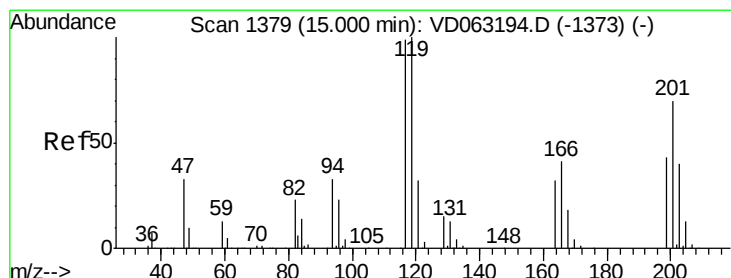
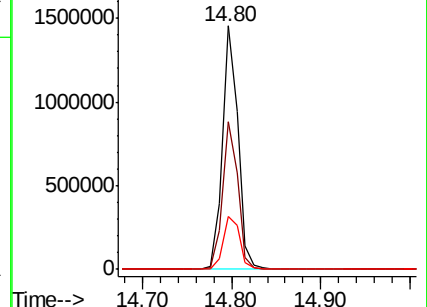
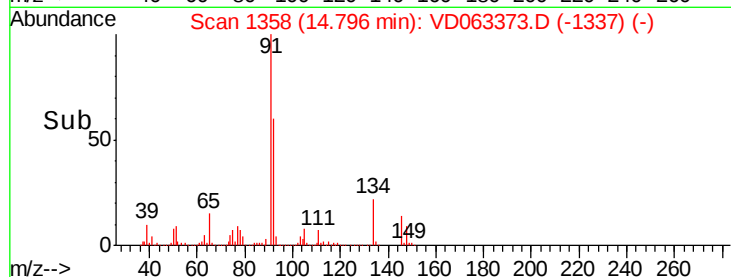
134 21.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 57.059 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063373.D

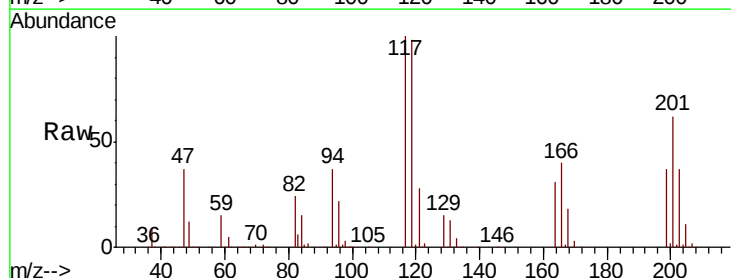
Acq: 3 Aug 2019 20:33

Tgt Ion: 117 Resp: 511125

Ion Ratio Lower Upper

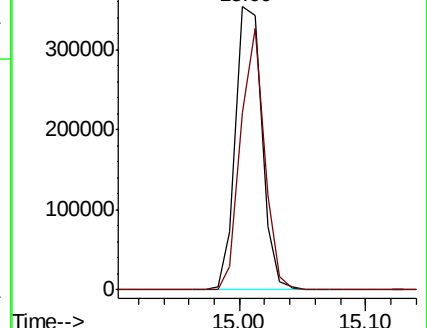
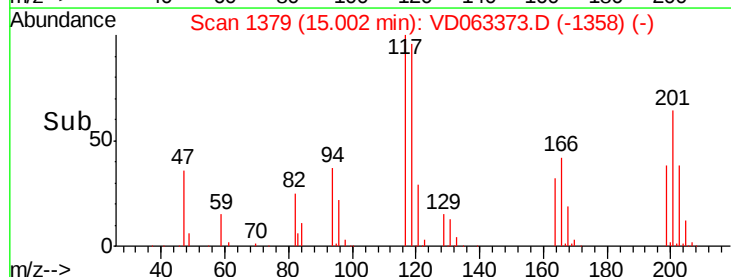
117 100

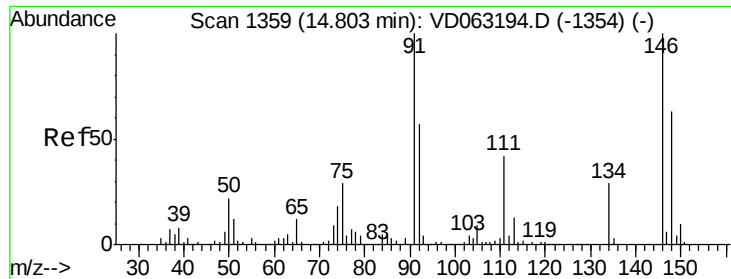
201 62.4 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 57.353 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

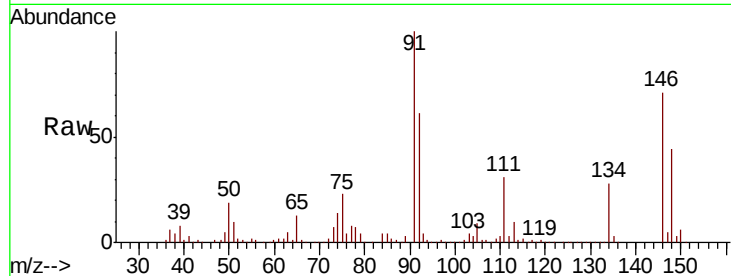
Tot Ion:146 Resp: 875245

Ion Ratio Lower Upper

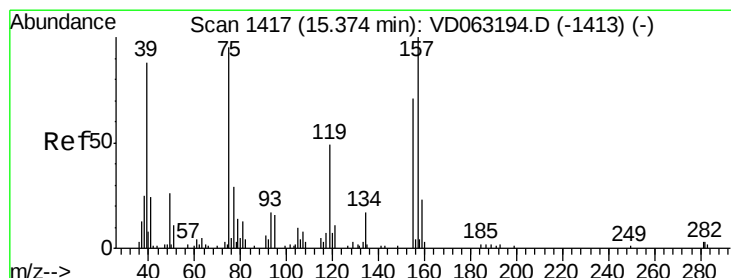
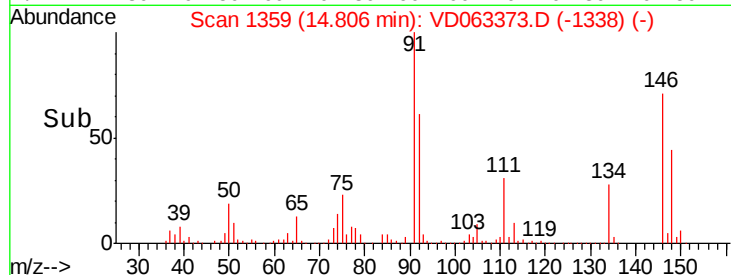
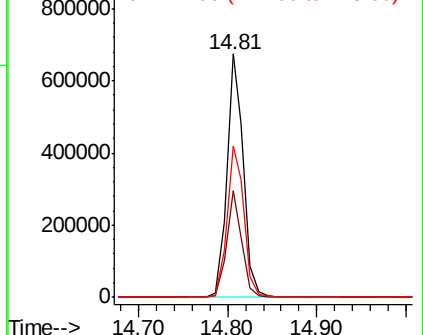
146 100

111 43.9 21.1 63.3

148 62.2 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: 52.712 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063373.D

Acq: 3 Aug 2019 20:33

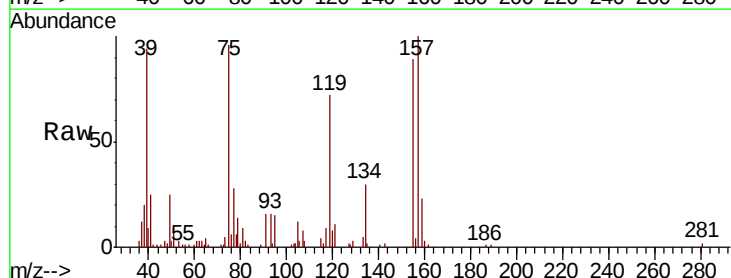
Tgt Ion: 75 Resp: 63322

Ion Ratio Lower Upper

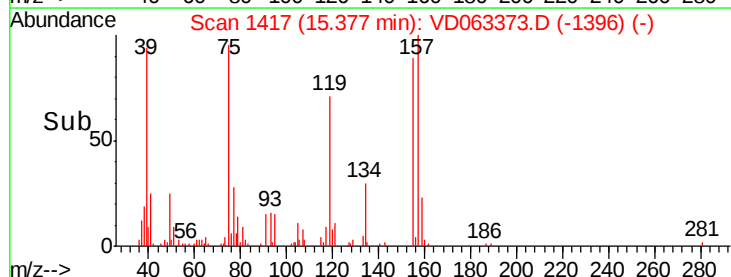
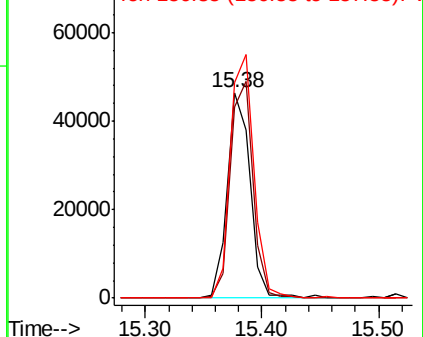
75 100

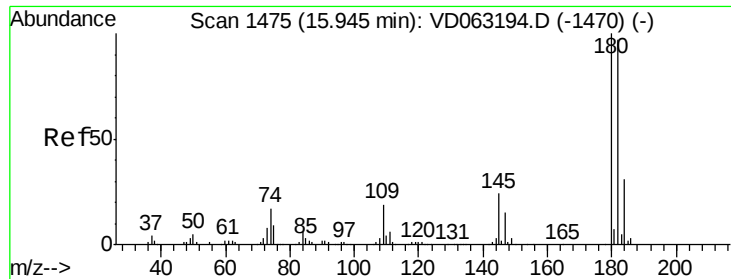
155 92.9 37.0 111.0

157 104.6 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

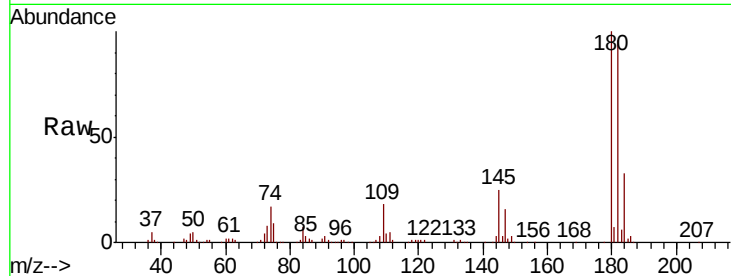




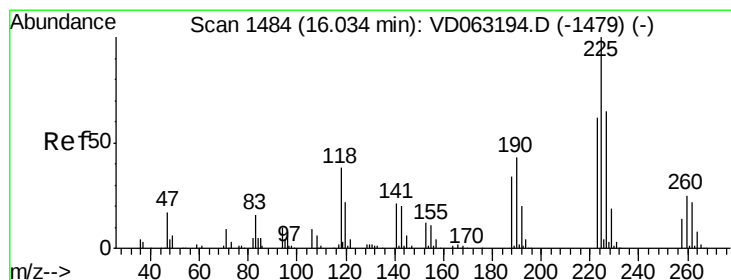
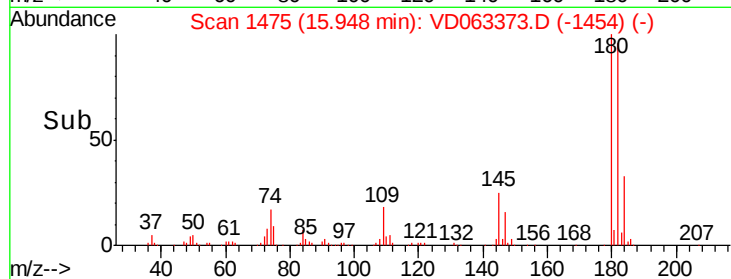
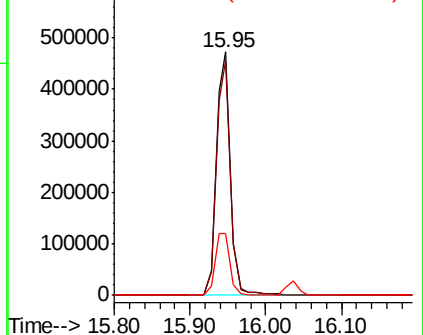
#93
 1,2,4-Trichlorobenzene
 Concen: 51.574 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 624373
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.6 145.8
 145 25.3 12.2 36.6

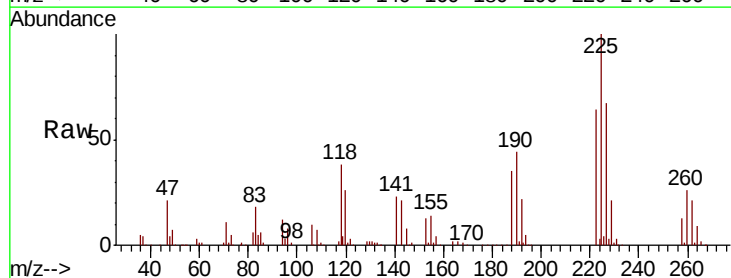


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

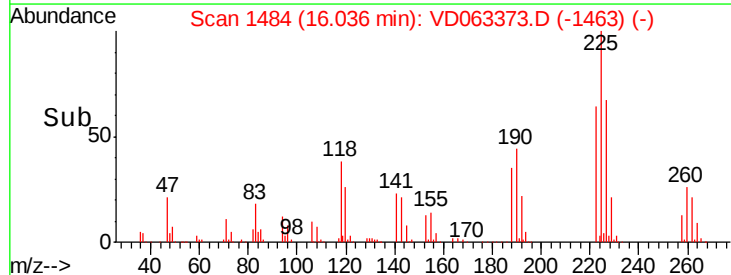
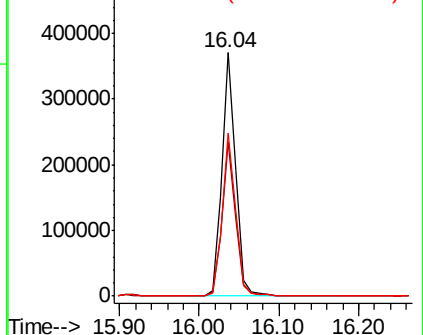


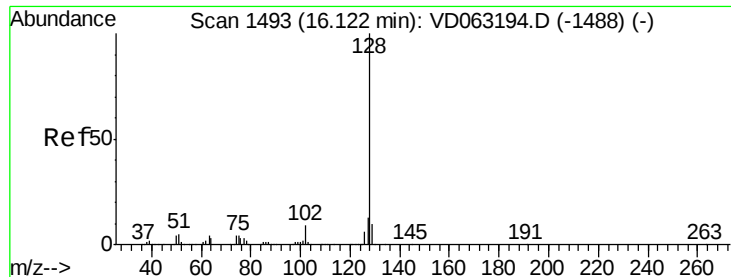
#94
 Hexachlorobutadiene
 Concen: 51.443 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063373.D
 Acq: 3 Aug 2019 20:33

Tgt Ion:225 Resp: 451320
 Ion Ratio Lower Upper
 225 100
 223 63.5 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

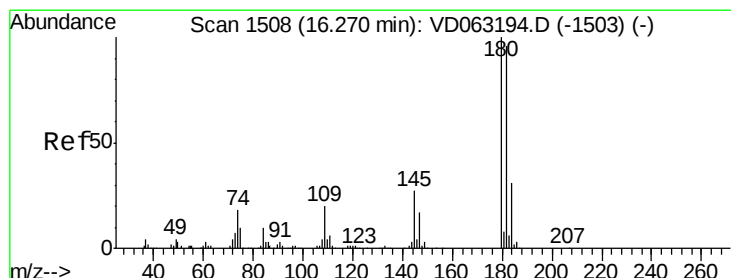
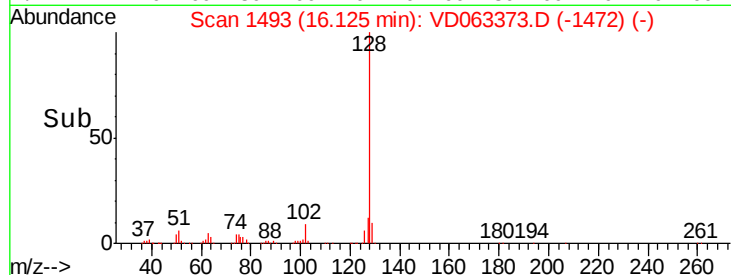
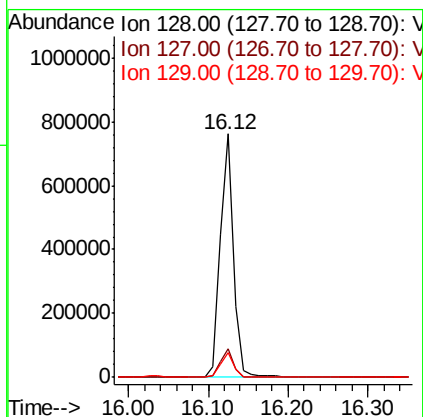
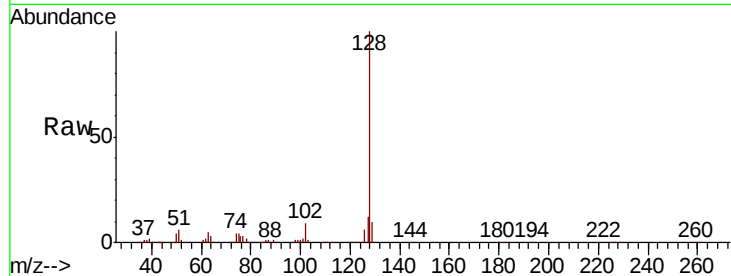




#95
Naphthalene
Concen: 52.475 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 897903
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 10.1 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 52.819 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063373.D
Acq: 3 Aug 2019 20:33

Tgt Ion:180 Resp: 505156
Ion Ratio Lower Upper
180 100
182 100.0 48.3 144.9
145 28.6 13.6 40.7

