

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062829.D
 Acq On : 21 Jun 2019 21:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 05:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	735268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1042015	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	852414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	480312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	512137	64.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.16%	
35) Dibromofluoromethane	6.93	113	527132	60.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.00%	
50) Toluene-d8	10.42	98	1202257	62.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.74%	
62) 4-Bromofluorobenzene	13.56	95	541555	62.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	522967	54.964	ug/l	99
3) Chloromethane	1.74	50	401324	56.085	ug/l	99
4) Vinyl Chloride	1.84	62	392211	55.282	ug/l	98
5) Bromomethane	2.14	94	192702	57.998	ug/l	97
6) Chloroethane	2.26	64	183438	57.109	ug/l	96
7) Trichlorofluoromethane	2.53	101	837809	58.350	ug/l	93
8) Diethyl Ether	2.87	74	113254	62.079	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	465274	59.814	ug/l	91
10) Methyl Iodide	3.29	142	602029	58.664	ug/l	98
11) Tert butyl alcohol	4.08	59	123706	339.848	ug/l	96
12) 1,1-Dichloroethene	3.12	96	344660	59.064	ug/l	89
13) Acrolein	3.03	56	123598	332.605	ug/l	92
14) Allyl chloride	3.62	41	556197	64.507	ug/l	93
15) Acrylonitrile	4.20	53	295179	345.113	ug/l	92
16) Acetone	3.22	43	538352	334.526	ug/l	99
17) Carbon Disulfide	3.37	76	1053241	56.475	ug/l	99
18) Methyl Acetate	3.64	43	177765	73.680	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	892798	70.675	ug/l	97
20) Methylene Chloride	3.81	84	378643	62.121	ug/l	91
21) trans-1,2-Dichloroethene	4.21	96	403031	64.866	ug/l	91
22) Diisopropyl ether	5.13	45	1165975	66.495	ug/l	98
23) Vinyl Acetate	5.07	43	3627035	330.563	ug/l	98
24) 1,1-Dichloroethane	4.99	63	705685	61.812	ug/l	100
25) 2-Butanone	6.08	43	551466	368.924	ug/l #	92
26) 2,2-Dichloropropane	6.03	77	696619	57.567	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	434525	66.132	ug/l	97
28) Bromochloromethane	6.45	49	251236	62.482	ug/l	95
29) Tetrahydrofuran	6.46	42	243032	343.632	ug/l	94
30) Chloroform	6.67	83	875833	63.081	ug/l	97
31) Cyclohexane	6.96	56	432896	57.679	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	848430	58.668	ug/l	94
36) 1,1-Dichloropropene	7.15	75	595621	60.382	ug/l	98
37) Ethyl Acetate	6.19	43	268330	65.089	ug/l	97
38) Carbon Tetrachloride	7.11	117	853673m	57.543	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	466836	53.766	ug/l	94
40) Benzene	7.46	78	1212431	61.233	ug/l	97
41) Methacrylonitrile	6.45	41	329952	63.428	ug/l	91
42) 1,2-Dichloroethane	7.59	62	665804	61.640	ug/l	99
43) Isopropyl Acetate	9.25	43	355391	68.722	ug/l #	98
44) Trichloroethene	8.55	130	477592	61.525	ug/l	88
45) 1,2-Dichloropropane	8.95	63	310983	63.163	ug/l	98
46) Dibromomethane	9.07	93	266234	62.949	ug/l	94
47) Bromodichloromethane	9.38	83	686946	62.541	ug/l	98
48) Methyl methacrylate	9.13	41	228836	62.269	ug/l	96
49) 1,4-Dioxane	9.09	88	42312	1383.895	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1242949	339.000	ug/l	98
52) Toluene	10.52	92	810084	60.863	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	593176	65.980	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	607728	62.193	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	295596	64.643	ug/l	95
56) Ethyl methacrylate	11.05	69	295375	60.443	ug/l	97
57) 1,3-Dichloropropane	11.42	76	471532	67.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	834129	332.477	ug/l	99
59) 2-Hexanone	11.54	43	882269	337.872	ug/l	99
60) Dibromochloromethane	11.69	129	551004	64.692	ug/l	95
61) 1,2-Dibromoethane	11.81	107	368989	68.323	ug/l	90
64) Tetrachloroethene	11.27	164	475048	67.713	ug/l	98
65) Chlorobenzene	12.41	112	979132	61.892	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	473627	64.018	ug/l	93
67) Ethyl Benzene	12.53	91	1807276	63.630	ug/l	100
68) m/p-Xylenes	12.68	106	1309192	132.343	ug/l	94
69) o-Xylene	13.05	106	618171	68.358	ug/l	97
70) Styrene	13.08	104	1015457	63.929	ug/l	93
71) Bromoform	13.24	173	360038	71.029	ug/l	98
73) Isopropylbenzene	13.40	105	1676209	54.428	ug/l	100
74) N-amyl acetate	13.27	43	528882	70.716	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	336697	67.100	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	364316	65.703	ug/l	94
77) Bromobenzene	13.67	156	490841	59.256	ug/l	83
78) n-propylbenzene	13.78	91	2085222	58.174	ug/l	96
79) 2-Chlorotoluene	13.85	91	1255225	61.277	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1547256	59.813	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	91704	63.104	ug/l	95
82) 4-Chlorotoluene	13.95	91	1431419	58.043	ug/l	91
83) tert-Butylbenzene	14.19	119	1678648	58.218	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1561795	58.905	ug/l	99
85) sec-Butylbenzene	14.37	105	1761674	56.214	ug/l	95
86) p-Isopropyltoluene	14.50	119	1706408	59.519	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	893948	60.204	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	839736	56.305	ug/l	99
89) n-Butylbenzene	14.80	91	1396259	52.034	ug/l	96
90) Hexachloroethane	15.01	117	460842	59.784	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	714916	56.274	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	64647	66.008	ug/l #	53

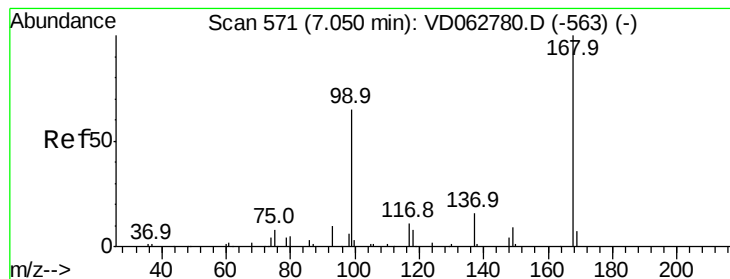
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	610424	61.510	ug/l	95
94) Hexachlorobutadiene	16.04	225	438053	57.779	ug/l	97
95) Naphthalene	16.13	128	867592	62.374	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	466638	61.198	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

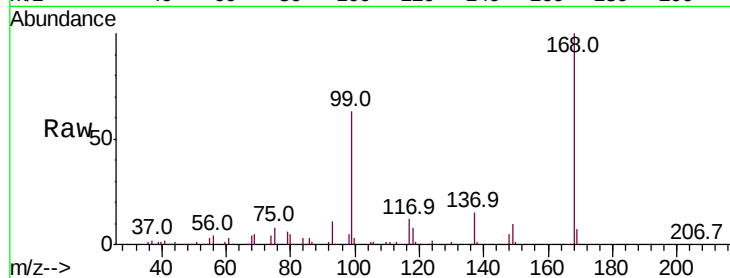
VSTDCCC050EC

Tot Ion:168 Resp: 735268

Ion Ratio Lower Upper

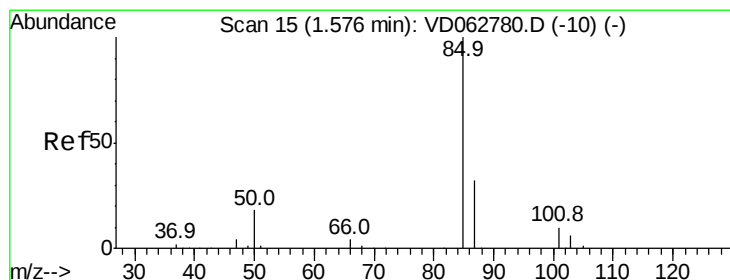
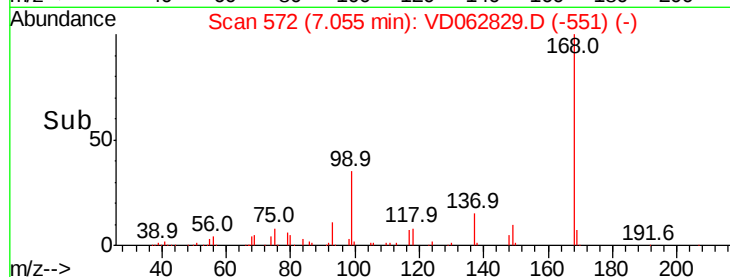
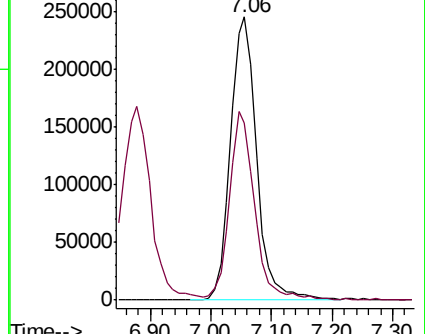
168 100

99 62.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 54.964 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062829.D

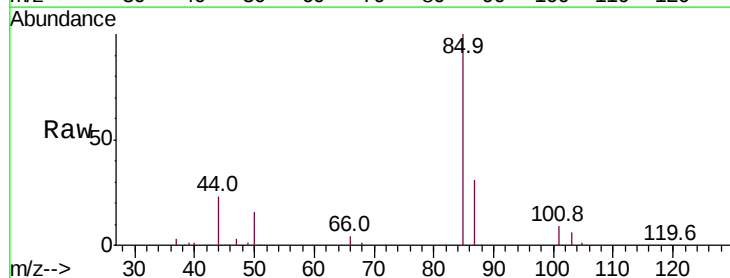
Acq: 21 Jun 2019 21:05

Tgt Ion: 85 Resp: 522967

Ion Ratio Lower Upper

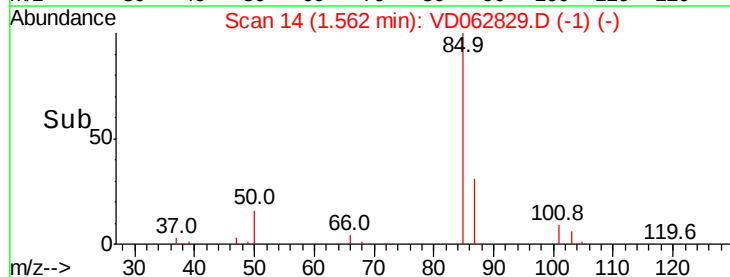
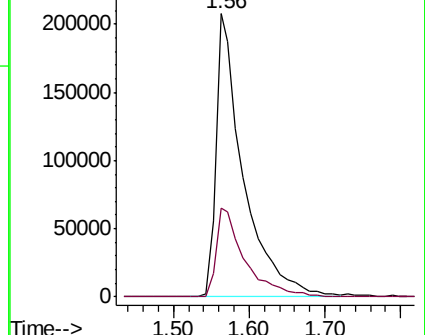
85 100

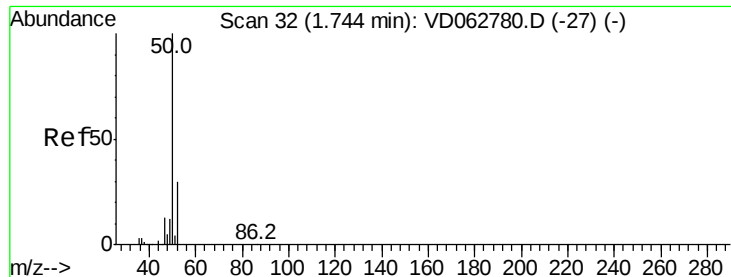
87 31.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.085 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

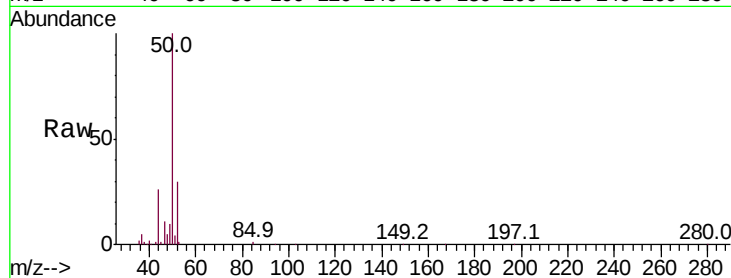
VSTDCCC050EC

Tot Ion: 50 Resp: 401324

Ion Ratio Lower Upper

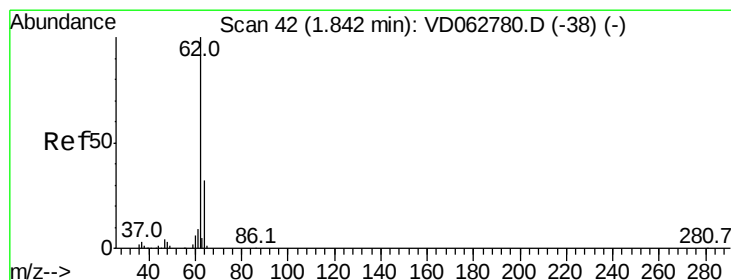
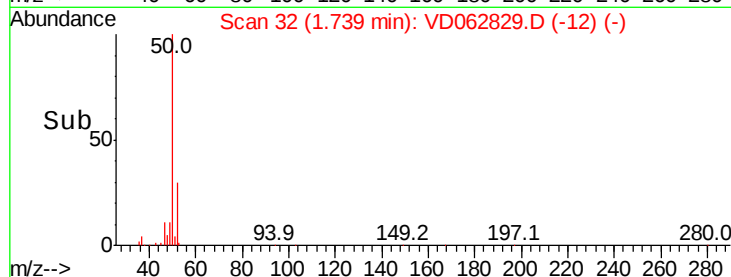
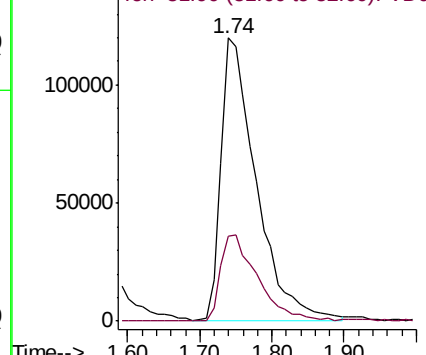
50 100

52 30.1 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.282 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062829.D

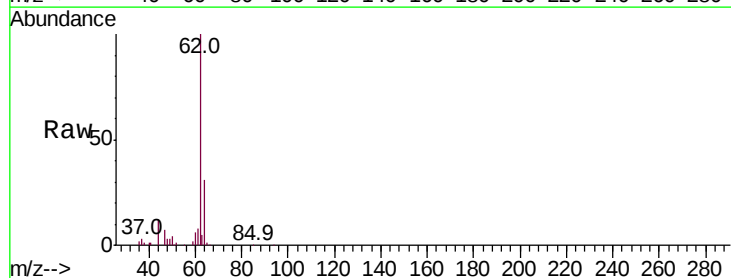
Acq: 21 Jun 2019 21:05

Tgt Ion: 62 Resp: 392211

Ion Ratio Lower Upper

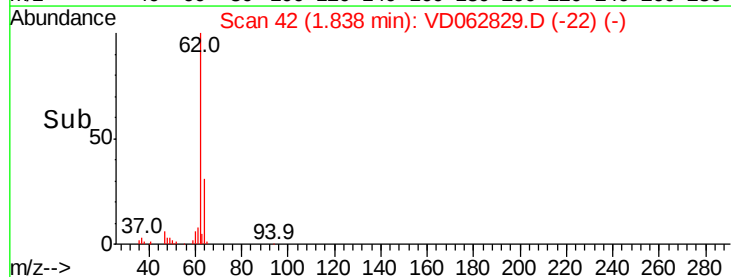
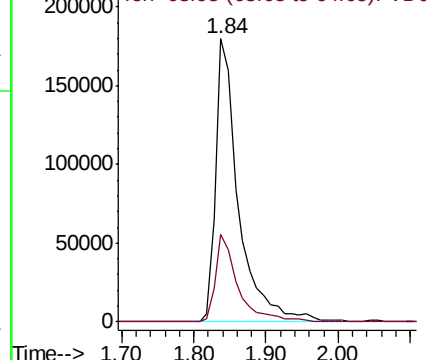
62 100

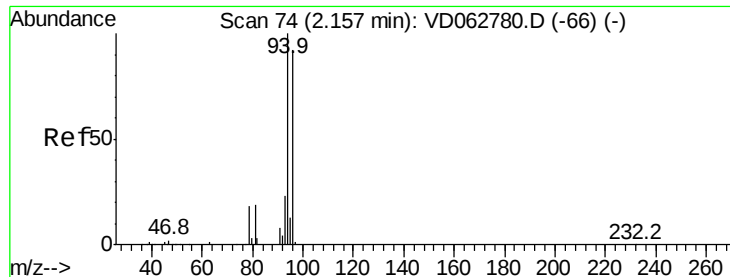
64 31.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 57.998 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

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VSTDCCC050EC

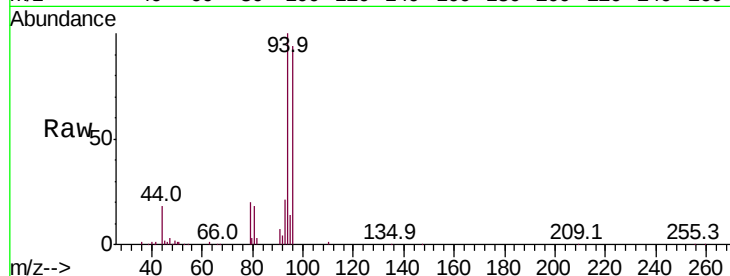
Tot Ion: 94 Resp: 192702

Ion Ratio Lower Upper

94 100

96 94.4 73.4 110.2

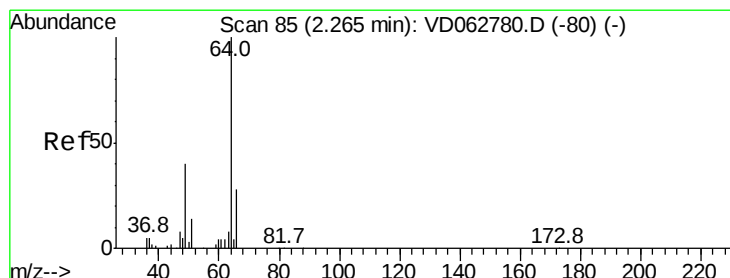
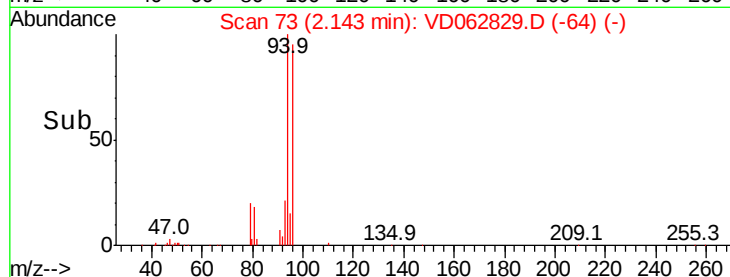
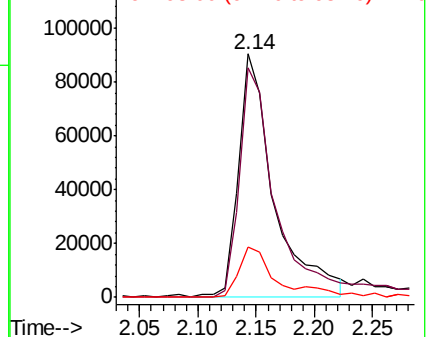
93 20.7 18.2 27.4



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: 57.109 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062829.D

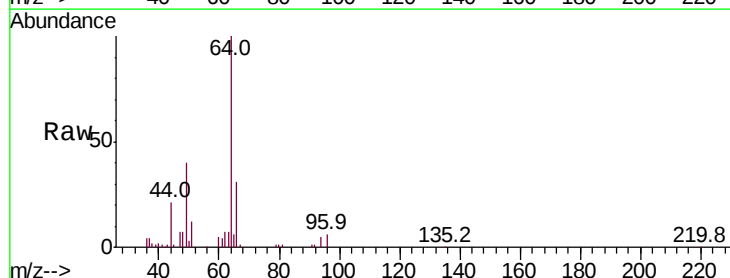
Acq: 21 Jun 2019 21:05

Tgt Ion: 64 Resp: 183438

Ion Ratio Lower Upper

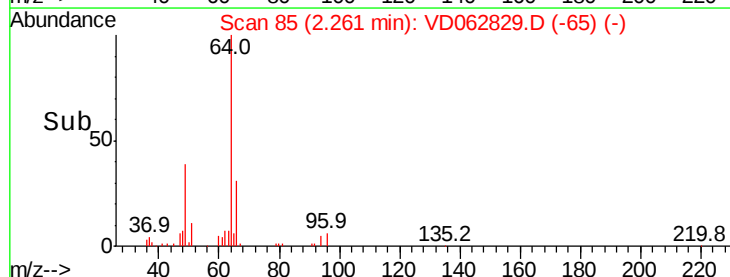
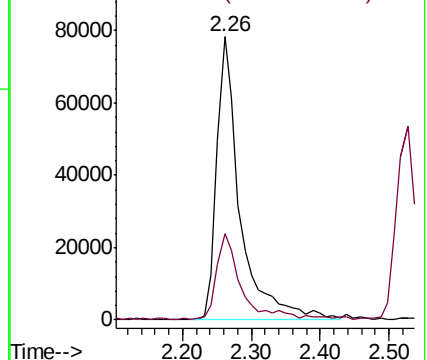
64 100

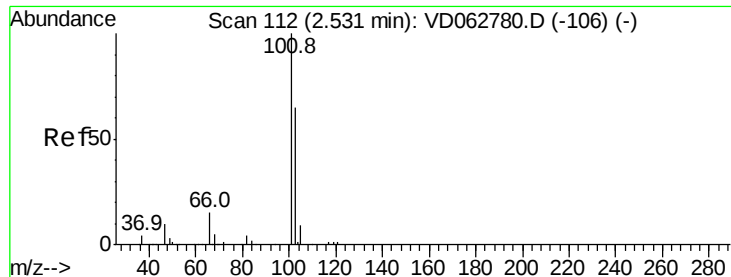
66 30.7 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



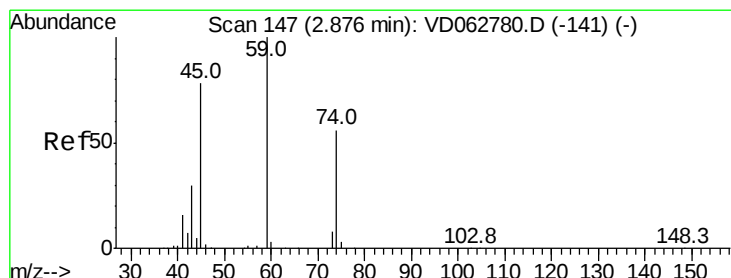
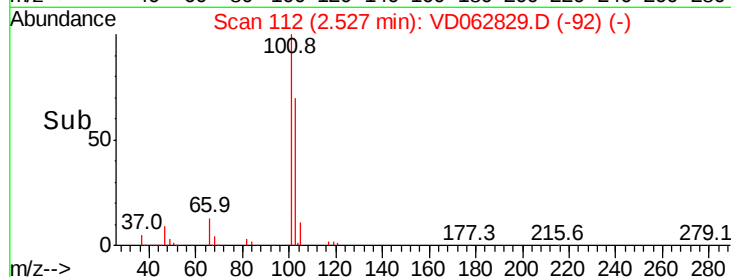
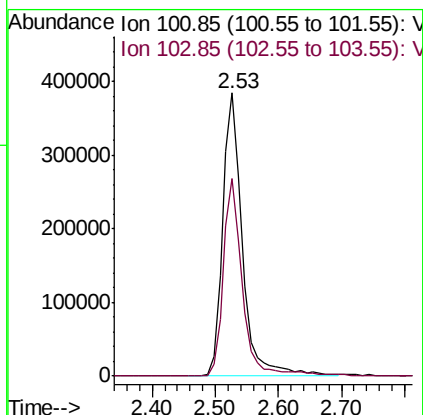
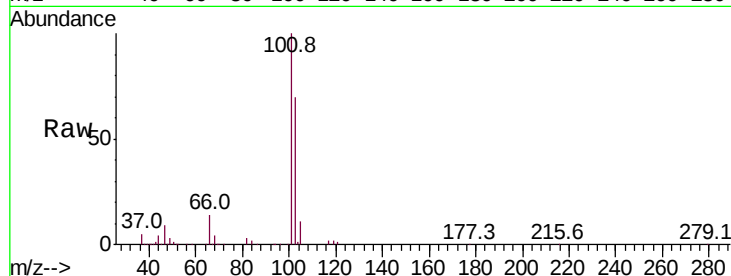


#7

Trichlorofluoromethane
 Concen: 58.350 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Instrument :
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 VSTDCCC050EC

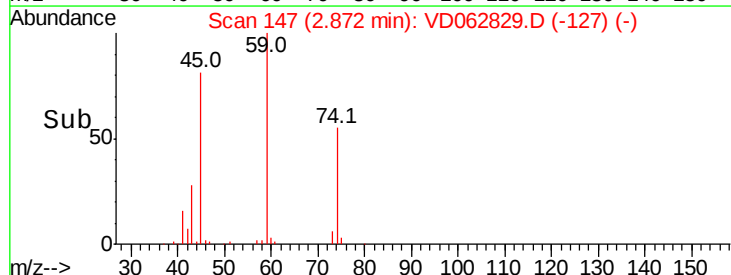
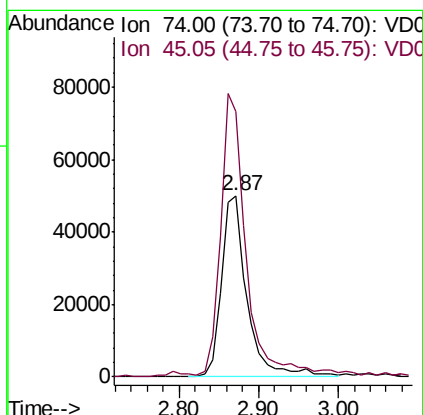
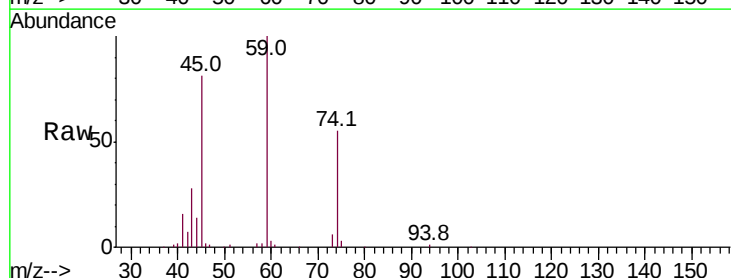
Tot Ion:101 Resp: 837809
 Ion Ratio Lower Upper
 101 100
 103 70.0 51.8 77.8

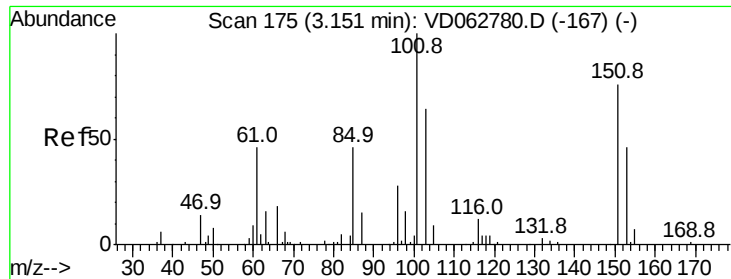


#8

Diethyl Ether
 Concen: 62.079 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 74 Resp: 113254
 Ion Ratio Lower Upper
 74 100
 45 146.9 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.814 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

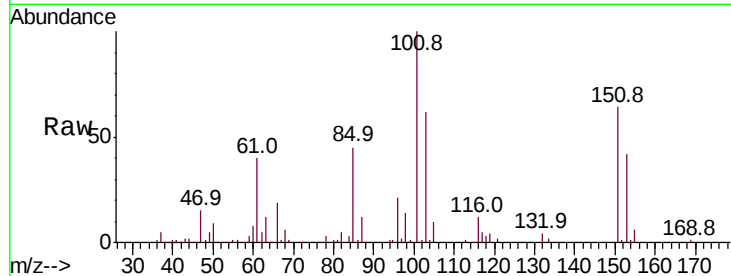
Tot Ion:101 Resp: 465274

Ion Ratio Lower Upper

101 100

85 45.4 37.0 55.4

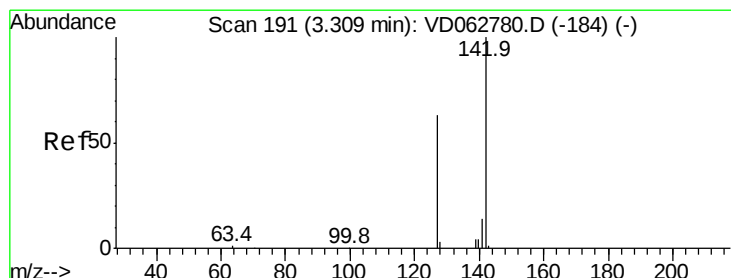
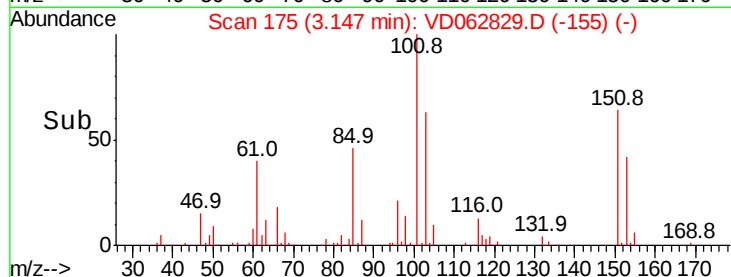
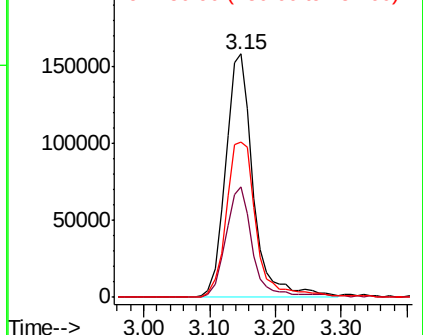
151 64.0 60.5 90.7



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: 58.664 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

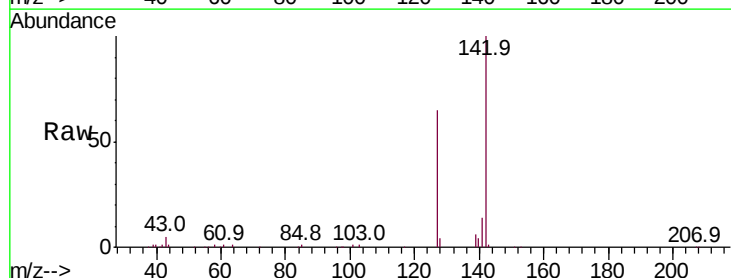
Tgt Ion:142 Resp: 602029

Ion Ratio Lower Upper

142 100

127 64.7 50.1 75.1

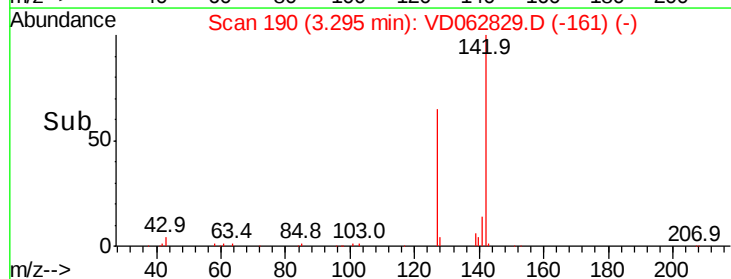
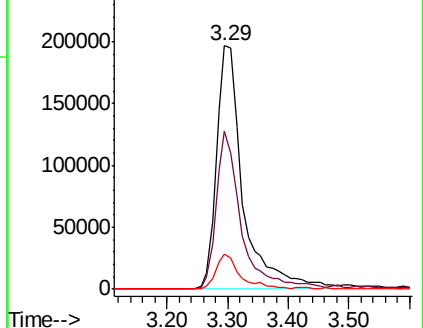
141 14.3 11.0 16.4

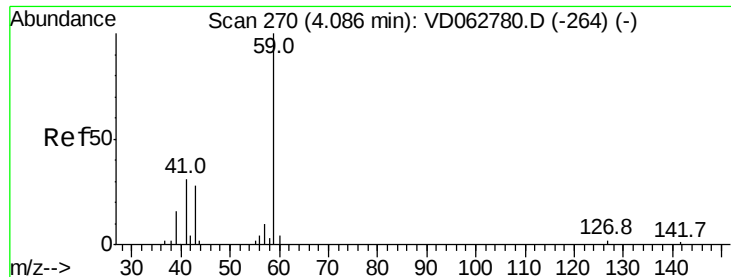


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

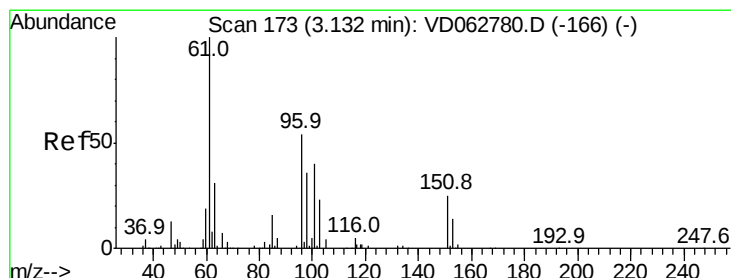
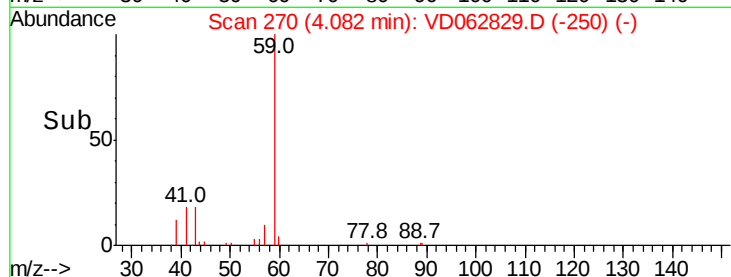
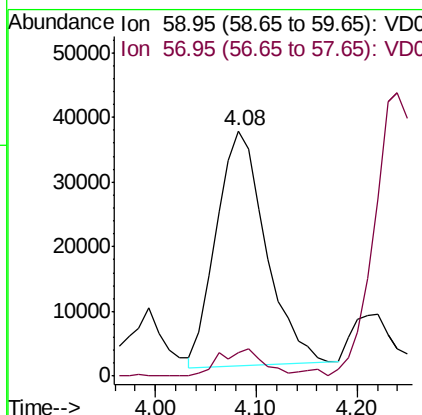
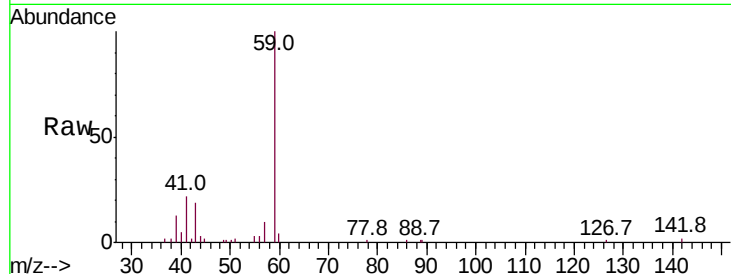




#11
Tert butyl alcohol
Concen: 339.848 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

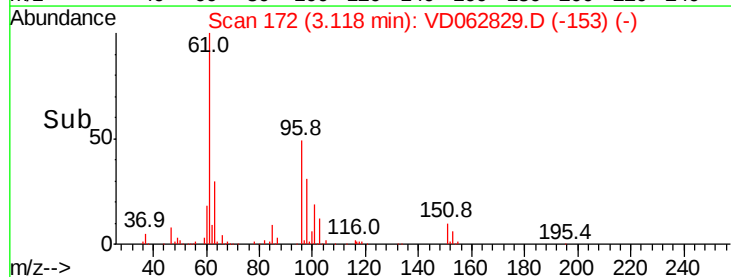
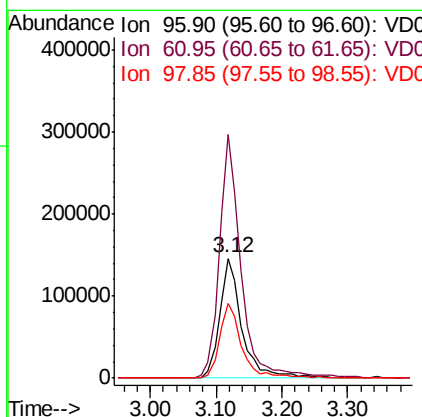
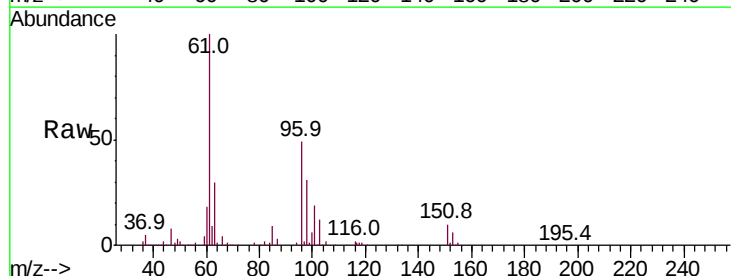
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

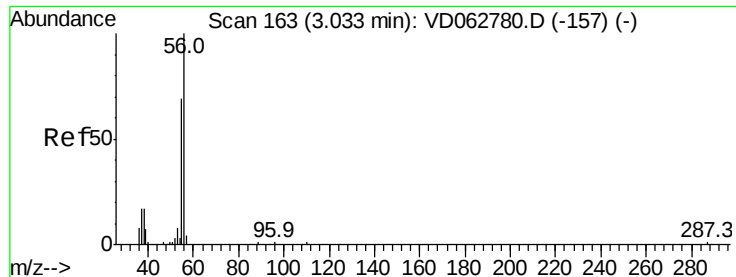
Tot Ion: 59 Resp: 123706
Ion Ratio Lower Upper
59 100
57 9.7 6.6 10.0



#12
1,1-Dichloroethene
Concen: 59.064 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 96 Resp: 344660
Ion Ratio Lower Upper
96 100
61 203.9 147.1 220.7
98 62.8 52.6 79.0





#13

Acrolein

Concen: 332.605 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

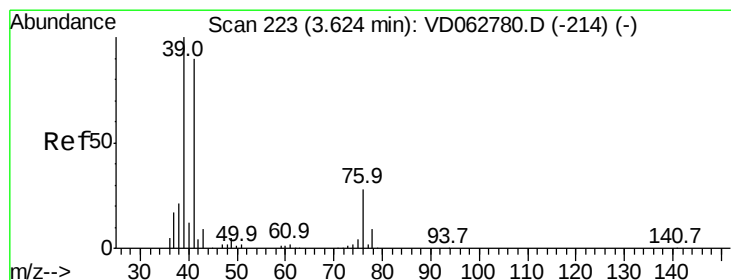
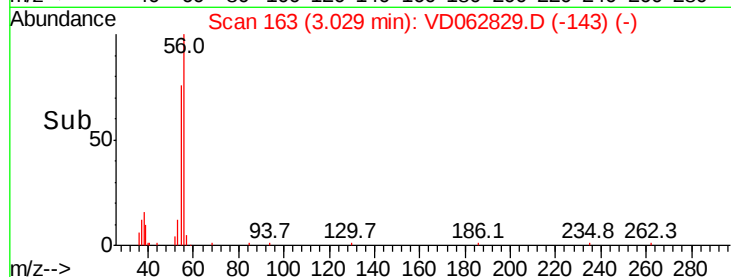
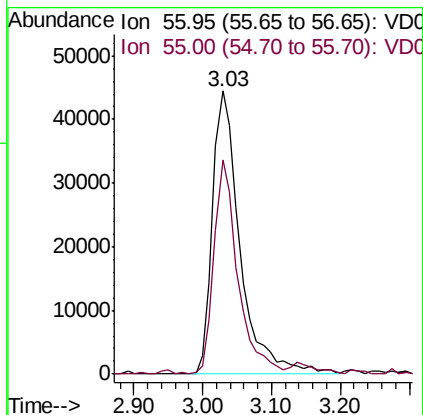
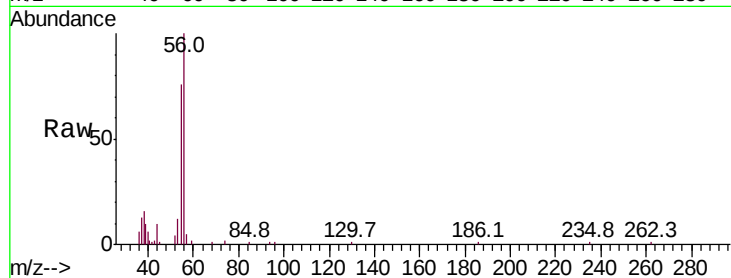
VSTDCCC050EC

Tot Ion: 56 Resp: 123598

Ion Ratio Lower Upper

56 100

55 75.7 55.4 83.0



#14

Allyl chloride

Concen: 64.507 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

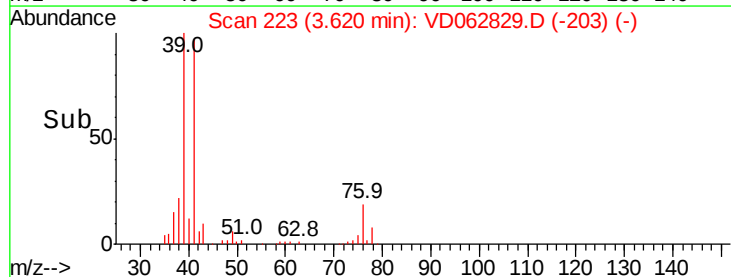
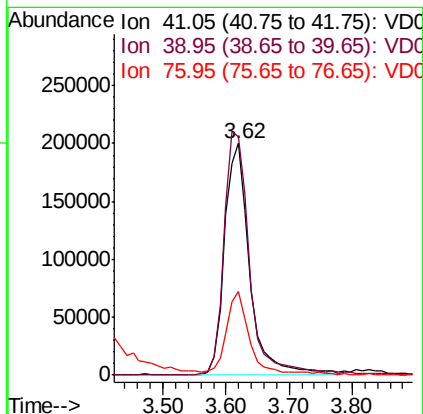
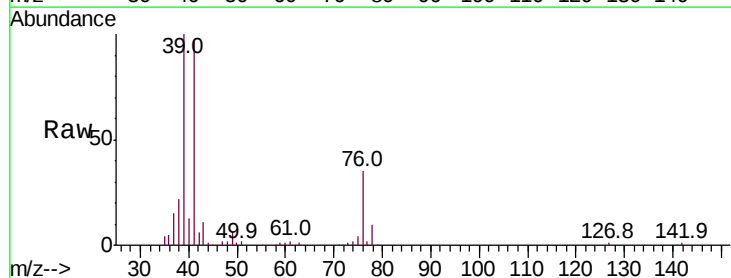
Tgt Ion: 41 Resp: 556197

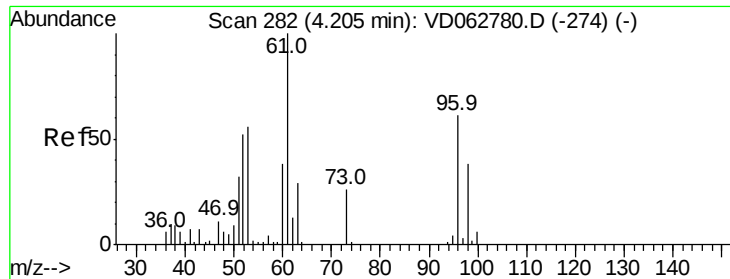
Ion Ratio Lower Upper

41 100

39 103.1 88.8 133.2

76 36.3 26.7 40.1





#15

Acrylonitrile

Concen: 345.113 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

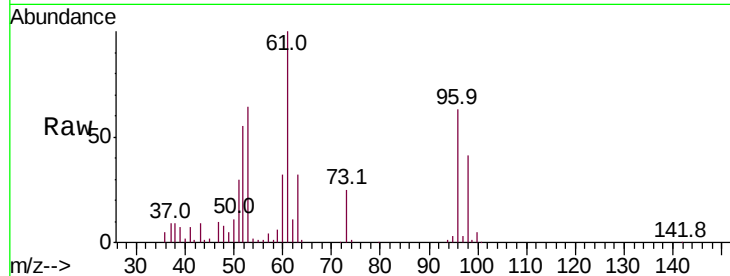
Tot Ion: 53 Resp: 295179

Ion Ratio Lower Upper

53 100

52 86.1 73.3 109.9

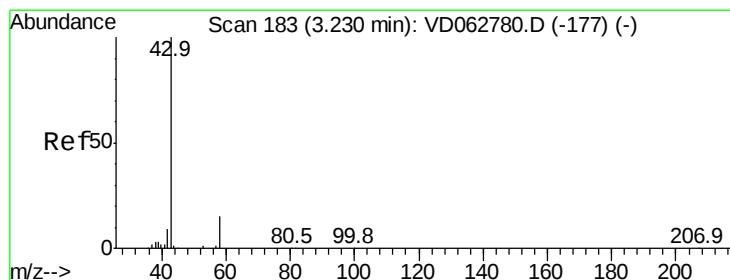
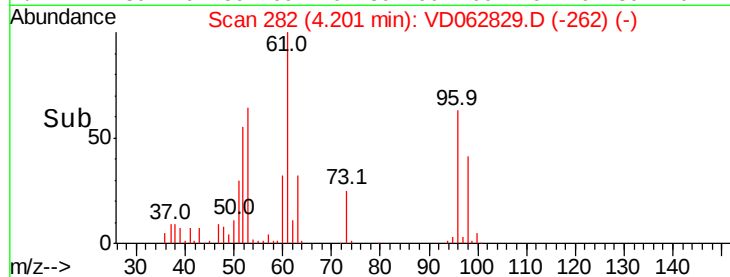
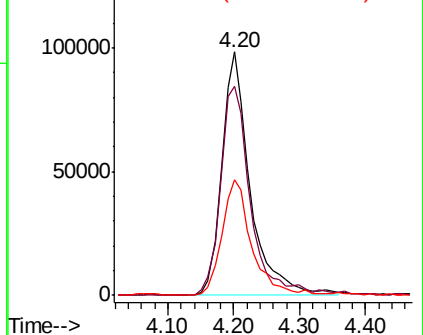
51 47.4 44.8 67.2



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: 334.526 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062829.D

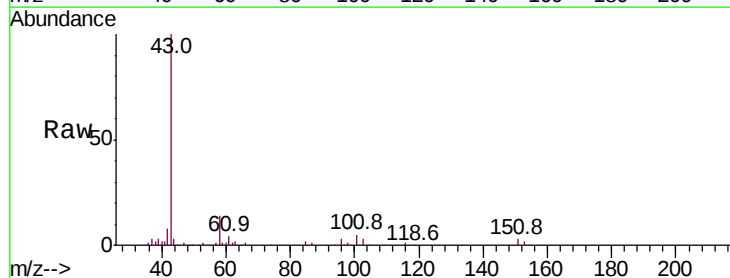
Acq: 21 Jun 2019 21:05

Tgt Ion: 43 Resp: 538352

Ion Ratio Lower Upper

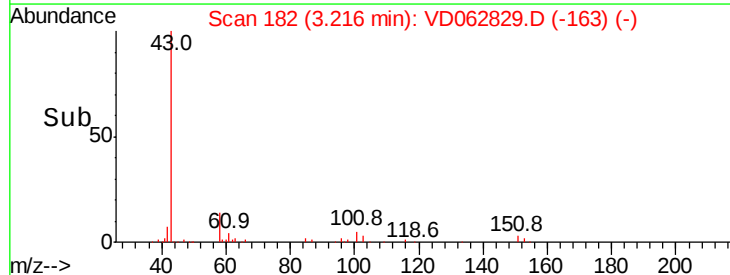
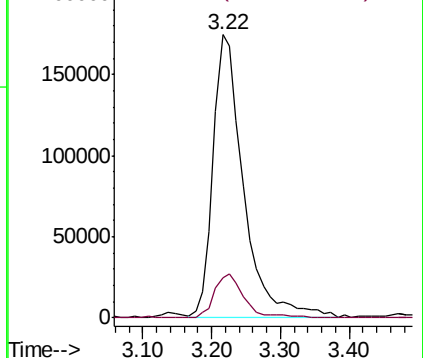
43 100

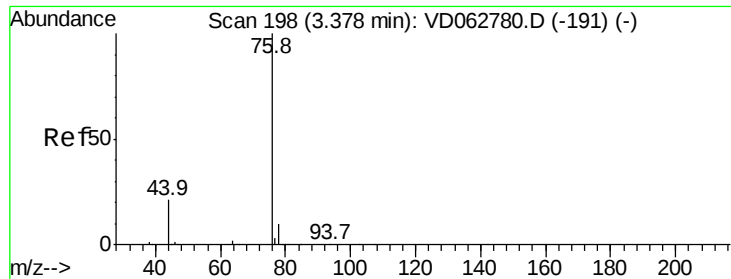
58 14.4 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

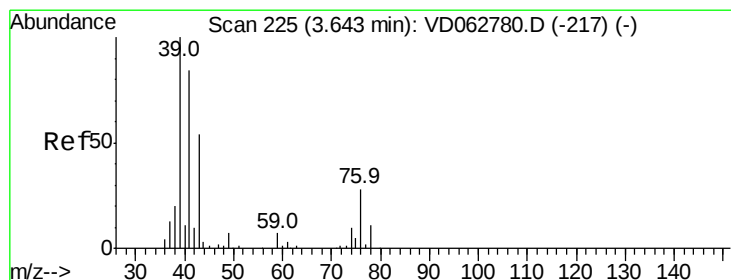
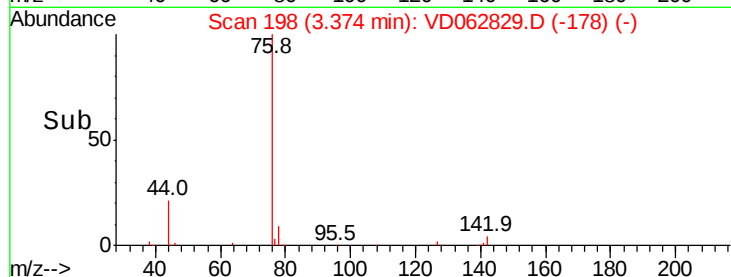
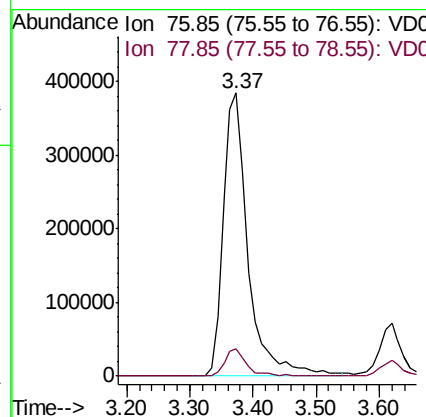
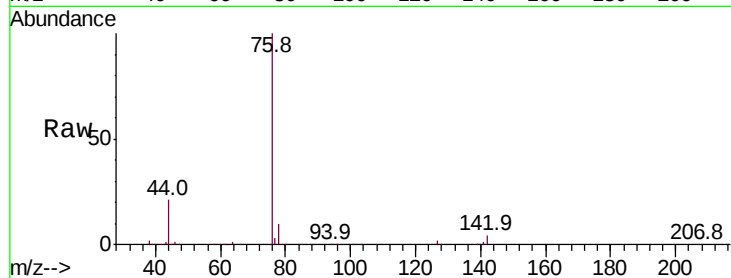




#17
Carbon Disulfide
Concen: 56.475 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

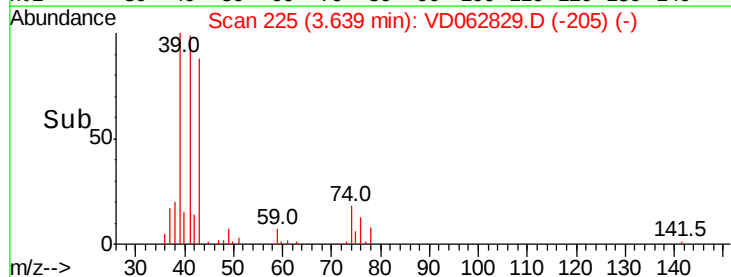
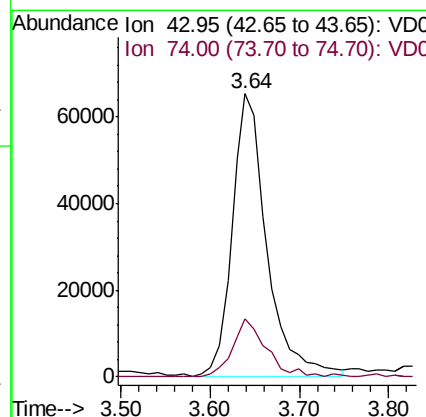
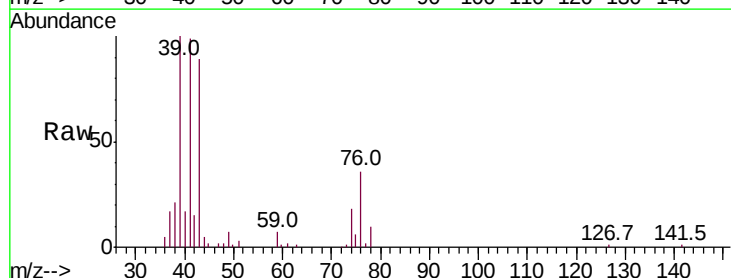
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

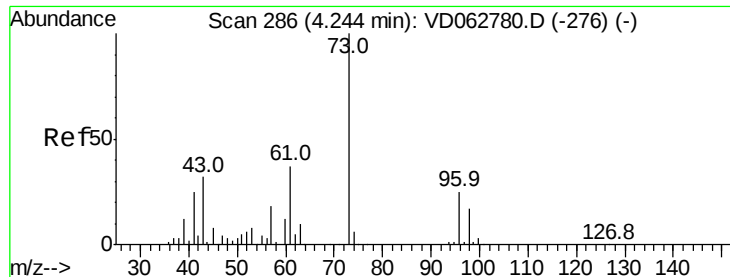
Tot Ion: 76 Resp: 1053241
Ion Ratio Lower Upper
76 100
78 9.6 8.0 12.0



#18
Methyl Acetate
Concen: 73.680 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 43 Resp: 177765
Ion Ratio Lower Upper
43 100
74 20.6 15.2 22.8



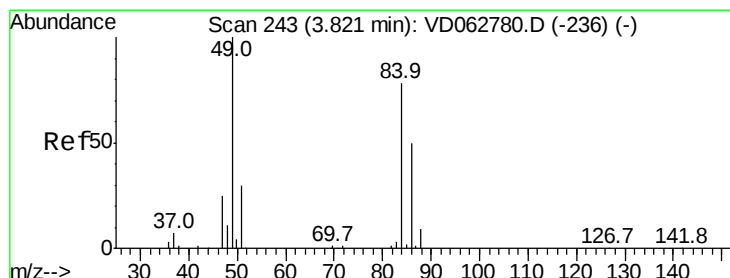
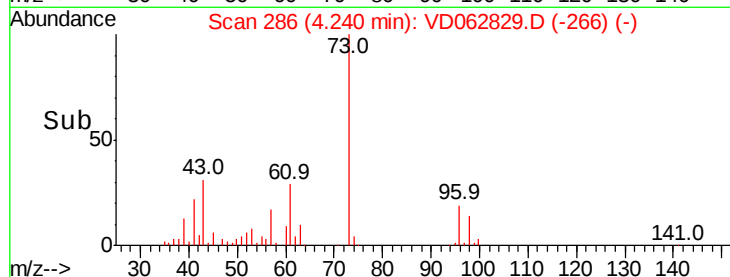
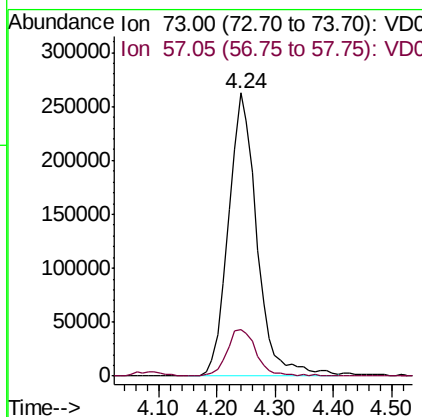
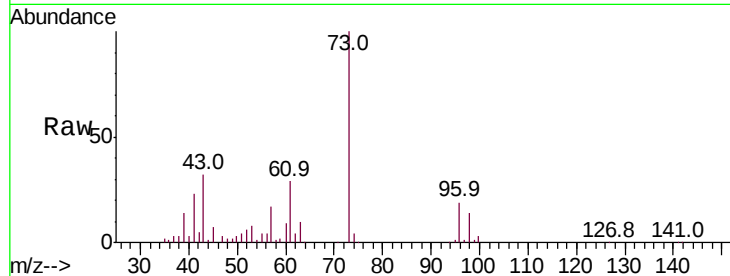


#19

Methyl tert-butyl Ether
 Concen: 70.675 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

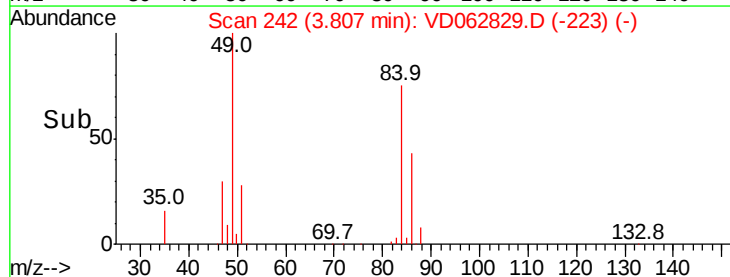
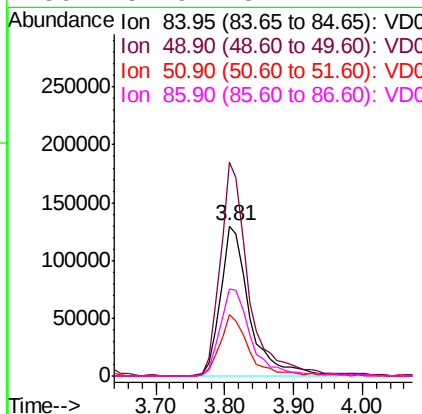
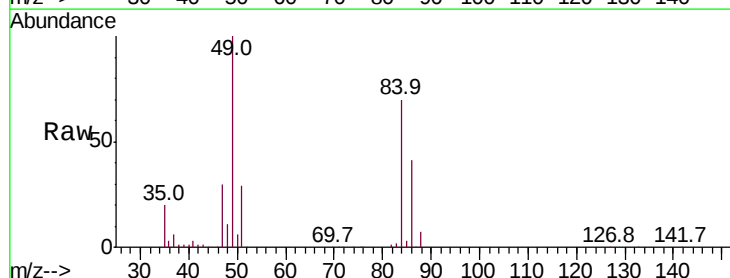
Tot Ion: 73 Resp: 892798
 Ion Ratio Lower Upper
 73 100
 57 16.7 14.3 21.5

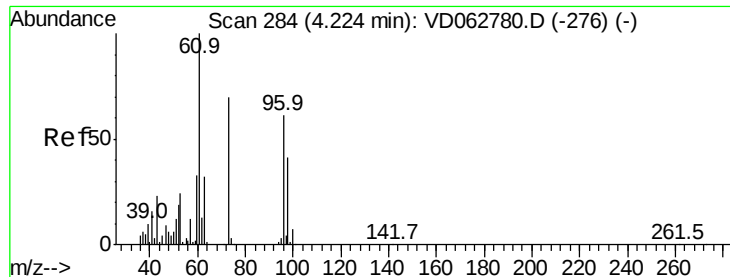


#20

Methylene Chloride
 Concen: 62.121 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 84 Resp: 378643
 Ion Ratio Lower Upper
 84 100
 49 142.1 102.9 154.3
 51 41.3 31.2 46.8
 86 57.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 64.866 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

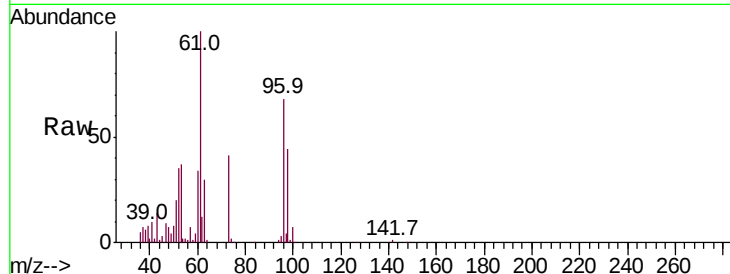
Tot Ion: 96 Resp: 403031

Ion Ratio Lower Upper

96 100

61 147.8 131.0 196.4

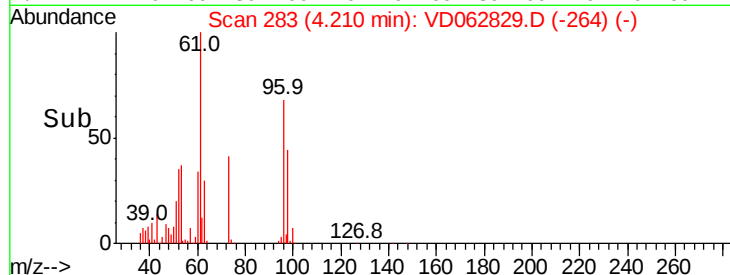
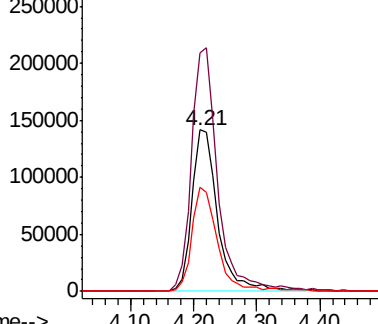
98 64.5 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 66.495 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Tgt Ion: 45 Resp: 1165975

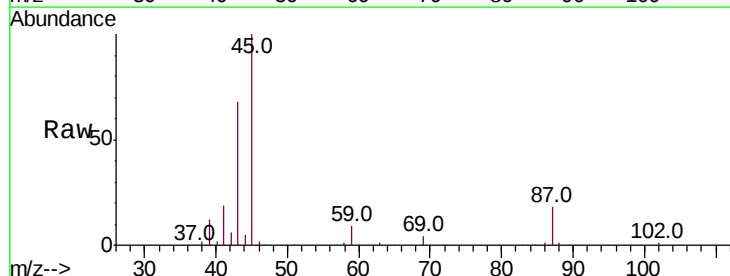
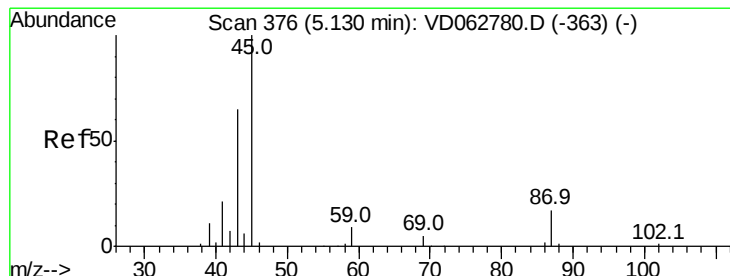
Ion Ratio Lower Upper

45 100

43 68.4 53.4 80.0

87 18.2 14.6 22.0

59 9.1 7.8 11.8

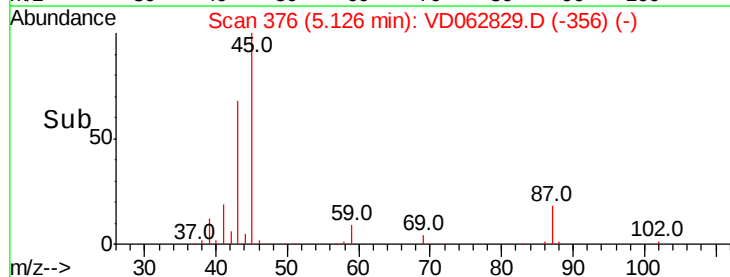
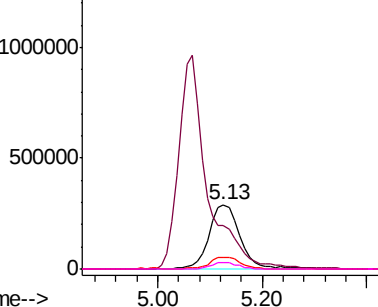


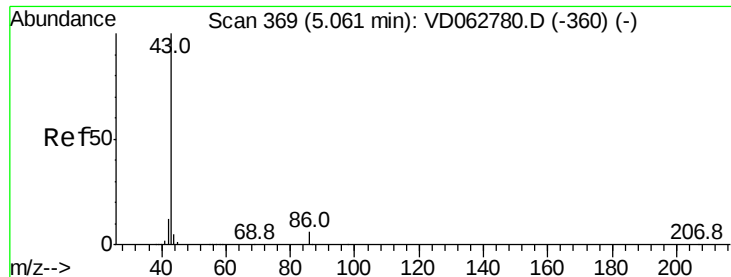
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 330.563 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

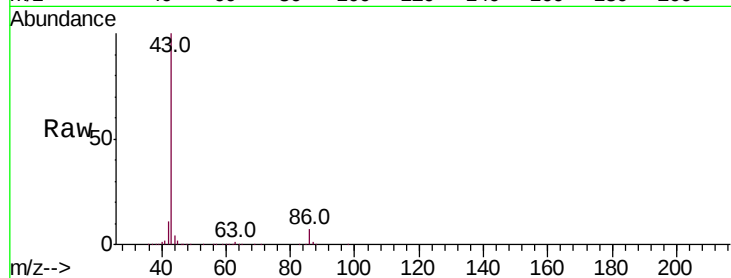
VSTDCCC050EC

Tot Ion: 43 Resp: 3627035

Ion Ratio Lower Upper

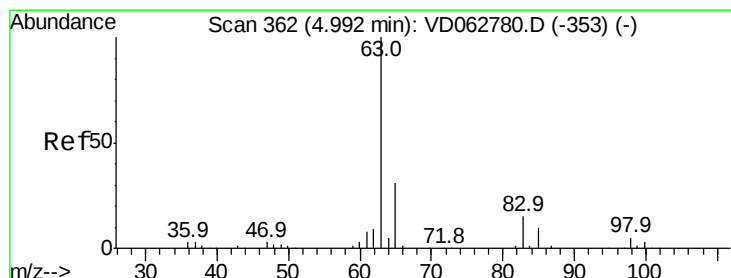
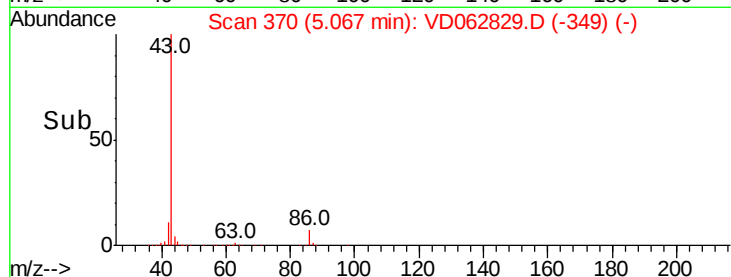
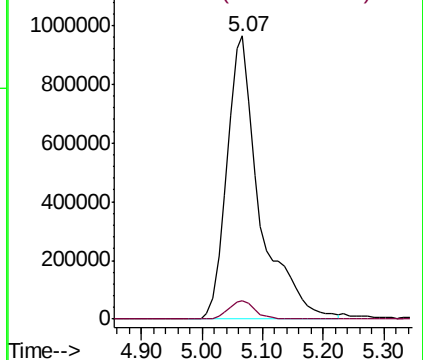
43 100

86 6.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 61.812 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

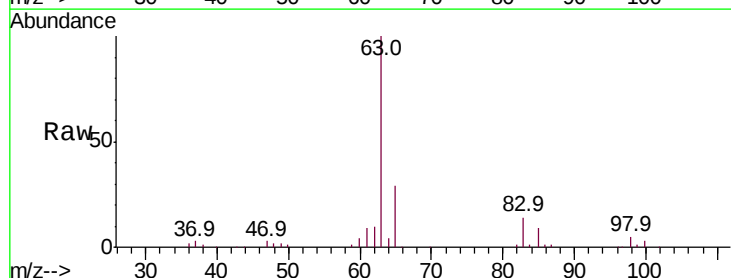
Tgt Ion: 63 Resp: 705685

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

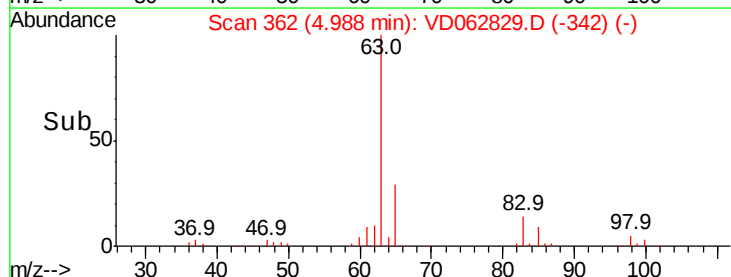
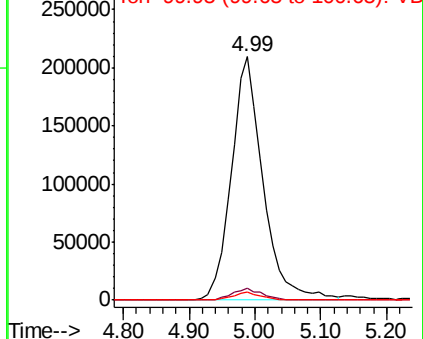
100 3.3 1.7 5.1

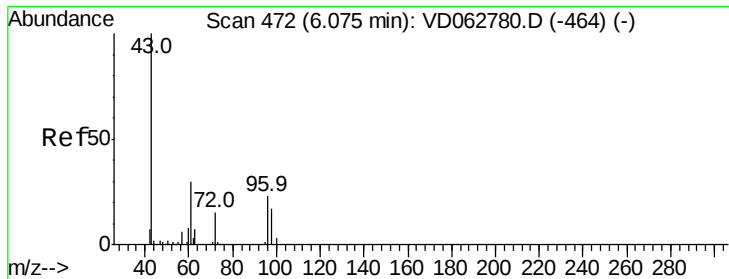


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 368.924 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

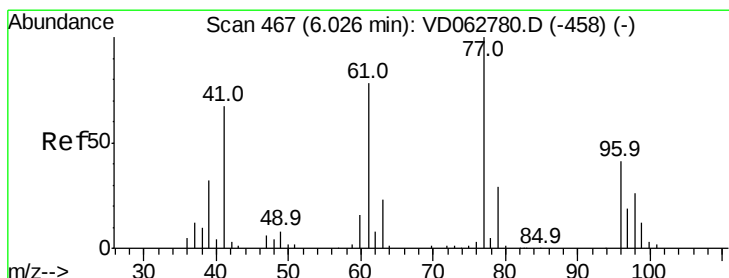
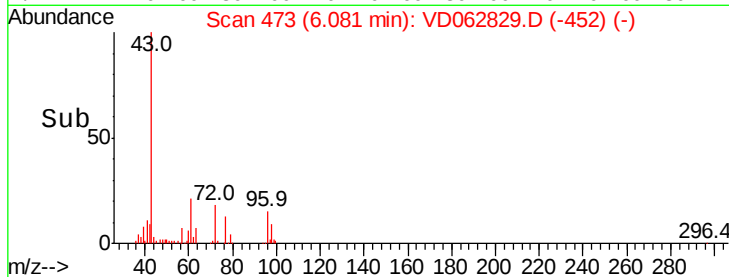
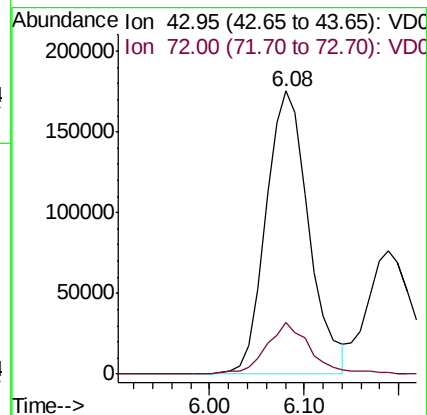
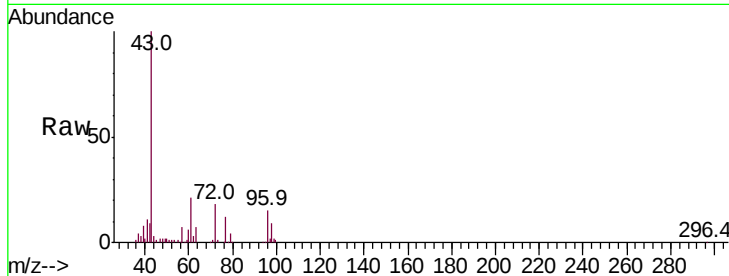
VSTDCCC050EC

Tot Ion: 43 Resp: 551466

Ion Ratio Lower Upper

43 100

72 18.4 11.9 17.9#



#26

2,2-Dichloropropane

Concen: 57.567 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062829.D

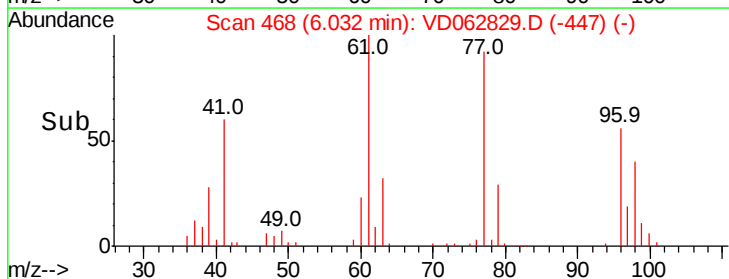
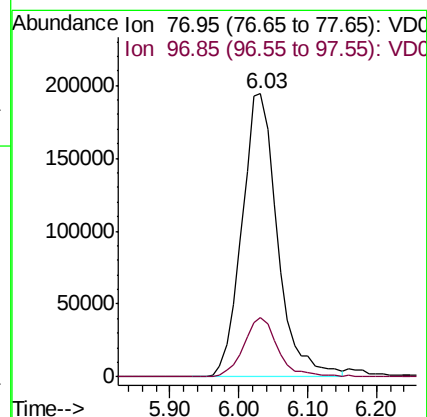
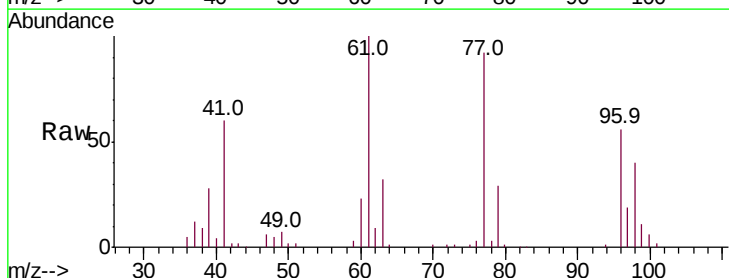
Acq: 21 Jun 2019 21:05

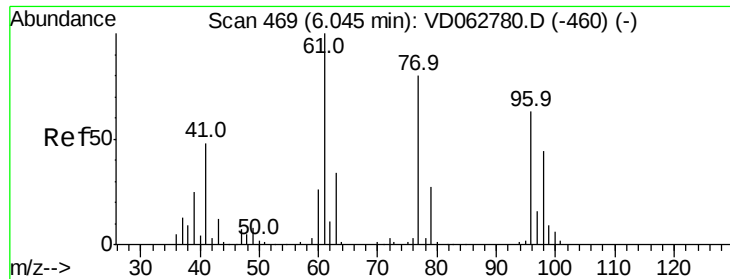
Tgt Ion: 77 Resp: 696619

Ion Ratio Lower Upper

77 100

97 20.9 9.5 28.5





#27

cis-1,2-Dichloroethene

Concen: 66.132 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

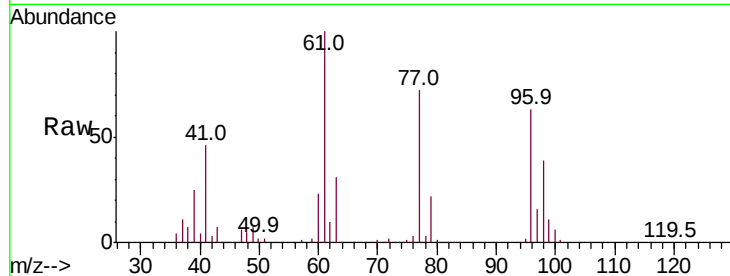
Tot Ion: 96 Resp: 434525

Ion Ratio Lower Upper

96 100

61 157.8 0.0 316.0

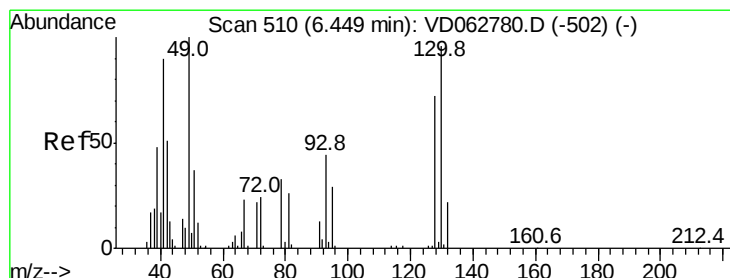
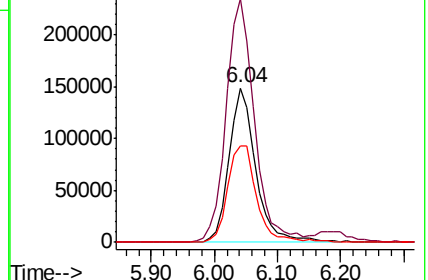
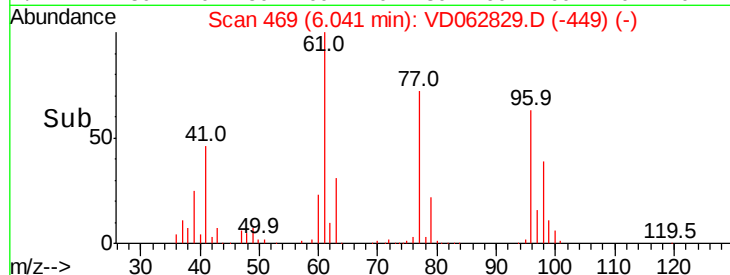
98 62.2 0.0 138.4



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: 62.482 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

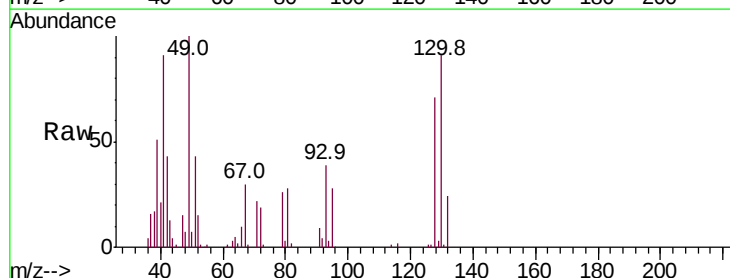
Tgt Ion: 49 Resp: 251236

Ion Ratio Lower Upper

49 100

129 3.2 0.0 5.6

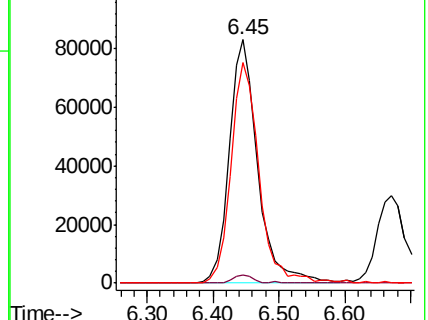
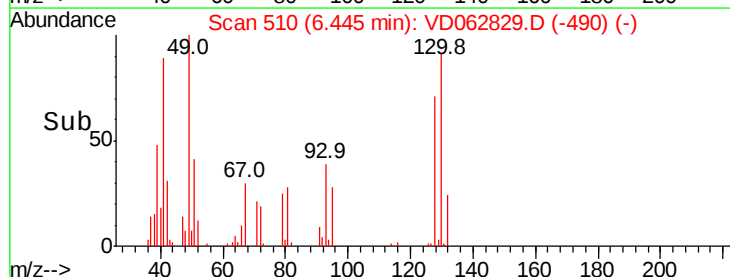
130 90.5 76.6 114.8

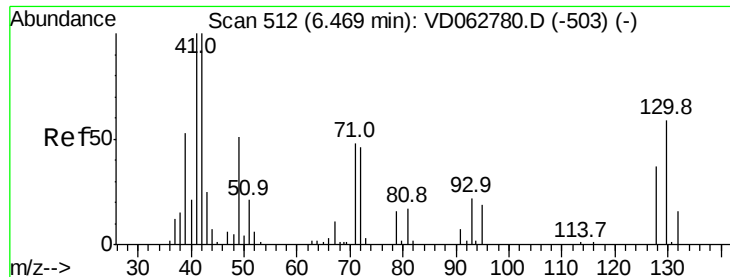


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 343.632 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

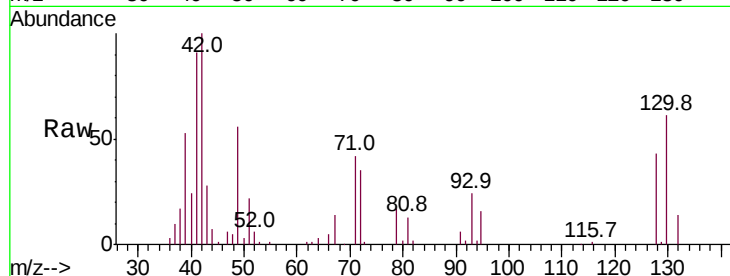
Tot Ion: 42 Resp: 243032

Ion Ratio Lower Upper

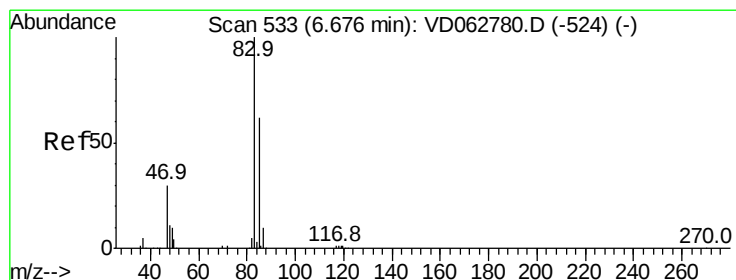
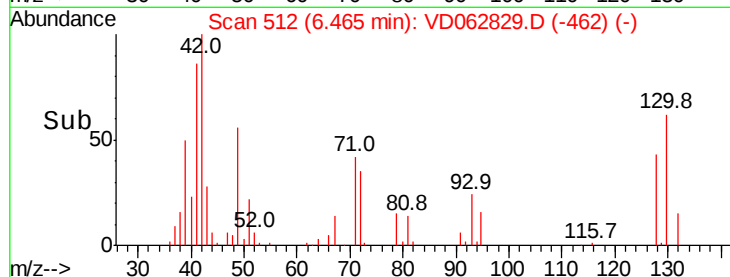
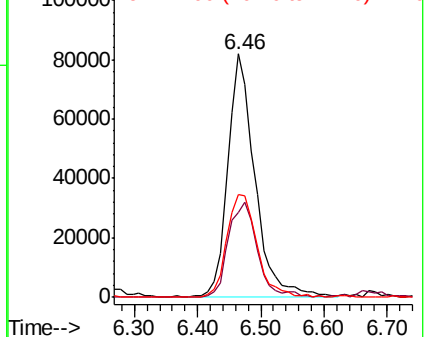
42 100

72 41.9 35.0 52.6

71 47.1 33.3 49.9



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: 63.081 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062829.D

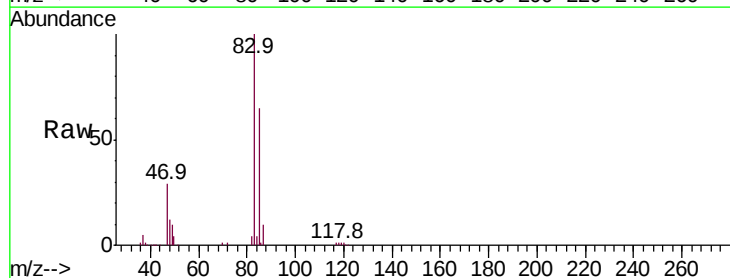
Acq: 21 Jun 2019 21:05

Tgt Ion: 83 Resp: 875833

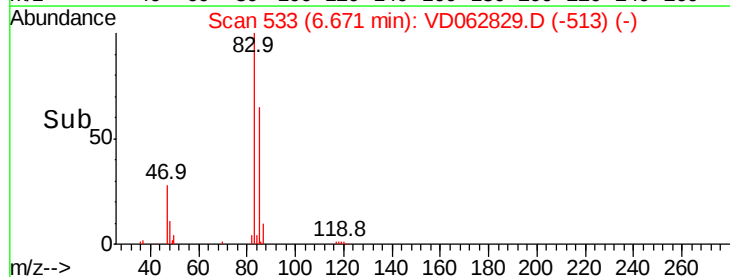
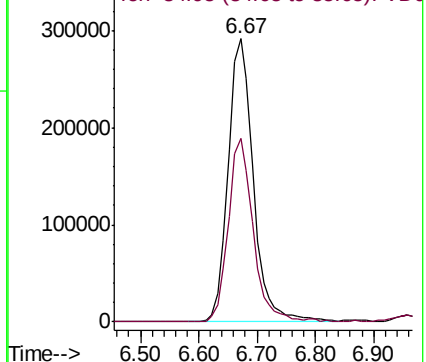
Ion Ratio Lower Upper

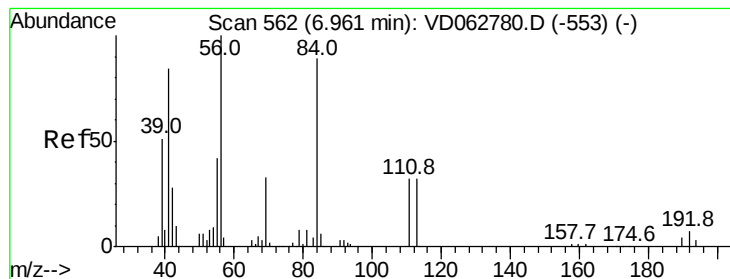
83 100

85 64.6 49.8 74.6



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





#31

Cvclohexane

Concen: 57.679 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

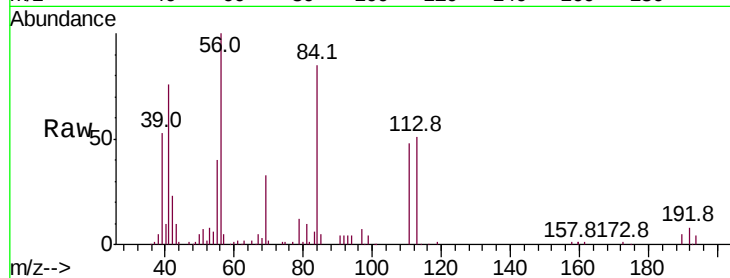
Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 432896

Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.6	39.8
84	84.9	75.5	113.3



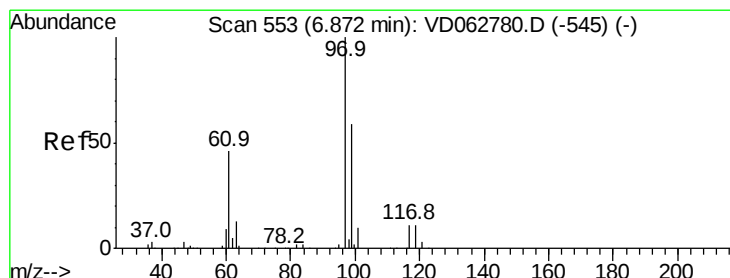
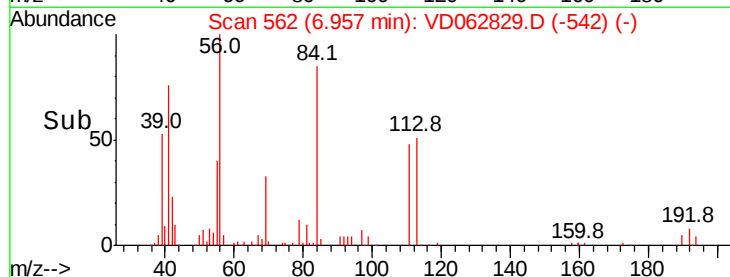
Abundance

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

Time-->



#32

1,1,1-Trichloroethane

Concen: 58.668 ug/l

RT: 6.88 min Scan# 554

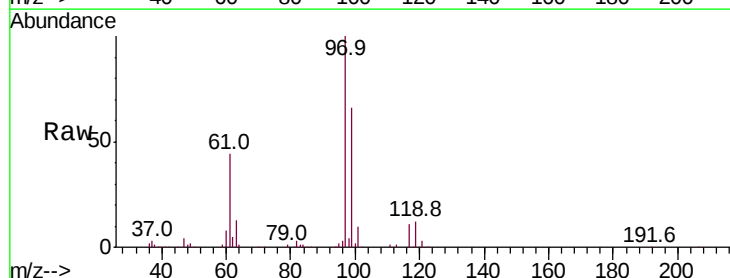
Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Tgt Ion: 97 Resp: 848430

Ion	Ratio	Lower	Upper
97	100		
99	65.7	47.4	71.2
61	44.0	37.2	55.8



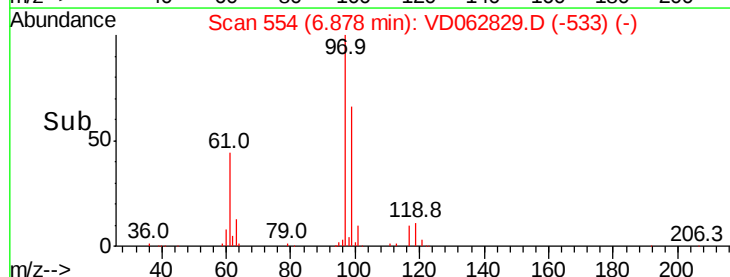
Abundance

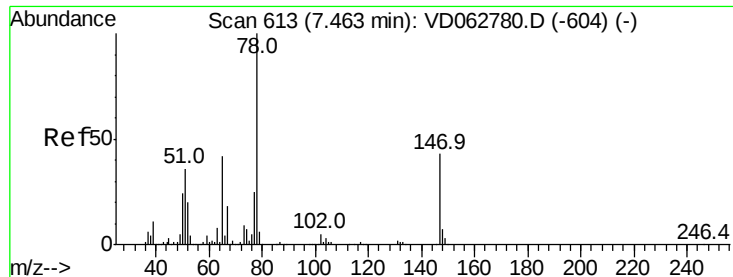
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->





#33

1,2-Dichloroethane-d4

Concen: 64.079 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

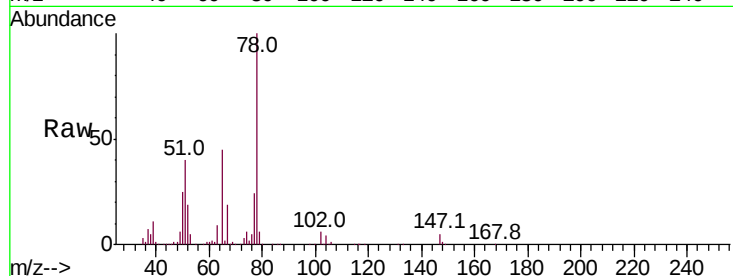
VSTDCCC050EC

Tot Ion: 65 Resp: 512137

Ion Ratio Lower Upper

65 100

67 42.4 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

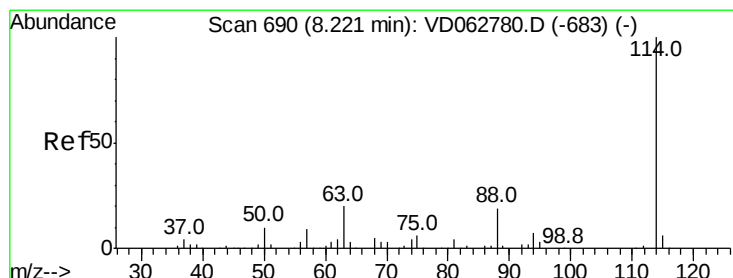
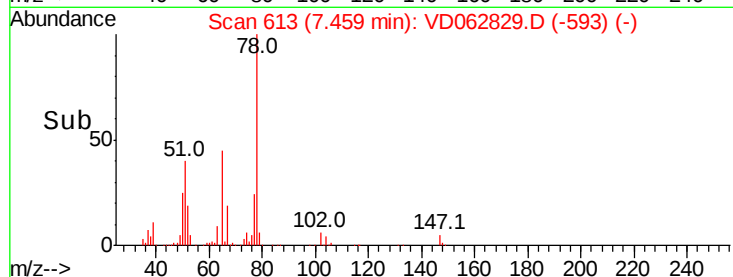
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

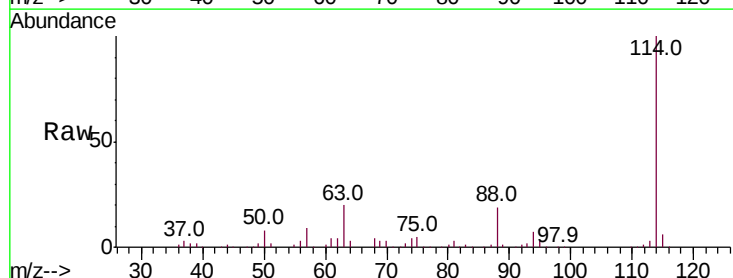
Tgt Ion: 114 Resp: 1042015

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 19.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

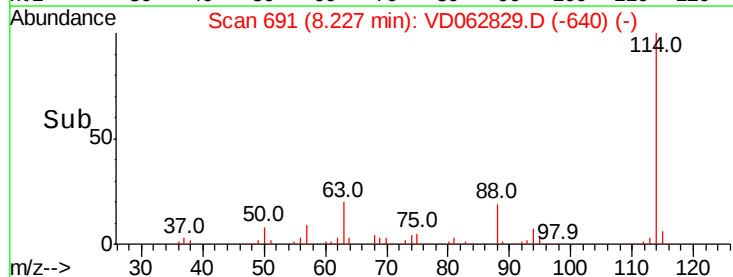
300000

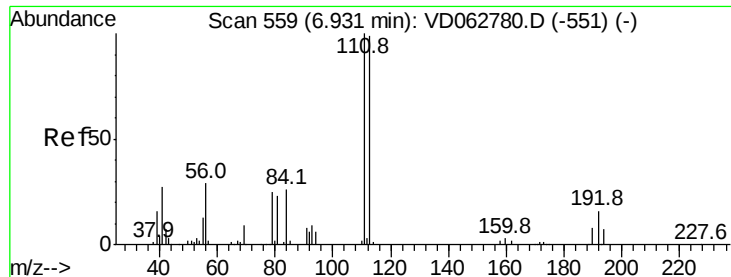
200000

100000

0

Time-->

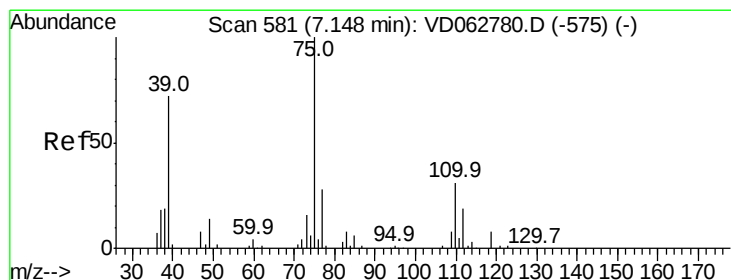
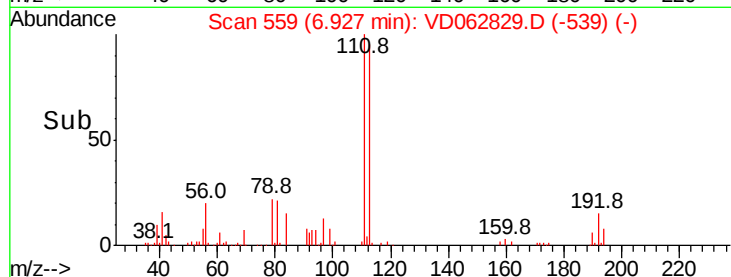
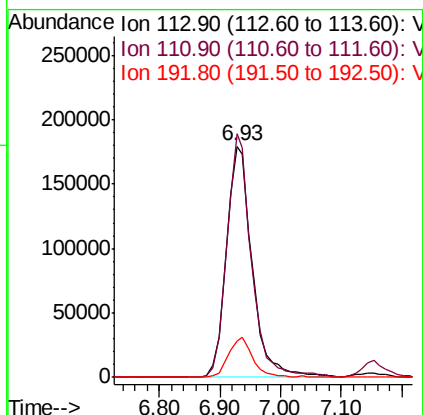
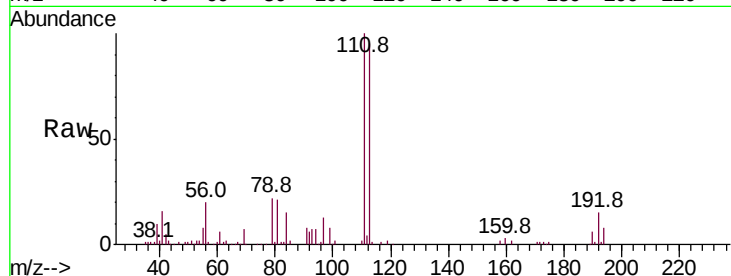




#35
 Dibromofluoromethane
 Concen: 59.995 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

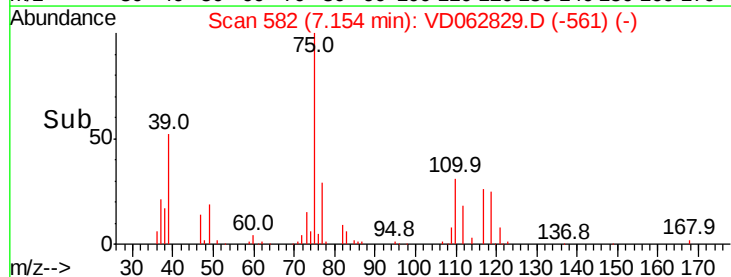
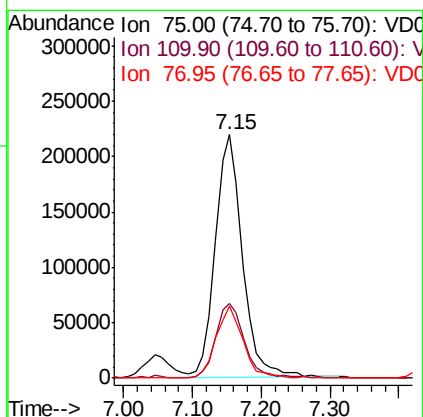
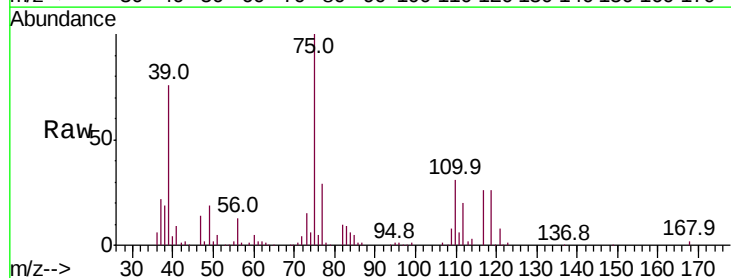
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

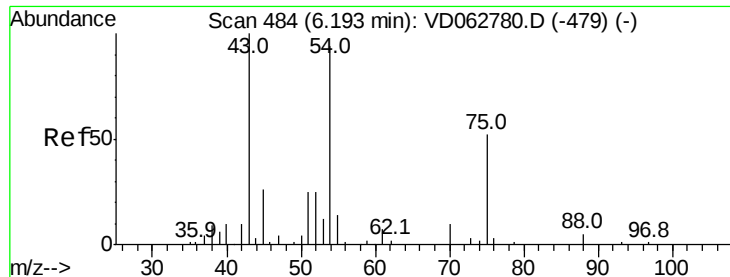
Tot Ion:113 Resp: 527132
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.2 121.8
 192 15.8 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 60.382 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 75 Resp: 595621
 Ion Ratio Lower Upper
 75 100
 110 30.9 15.0 45.1
 77 29.5 22.2 33.2

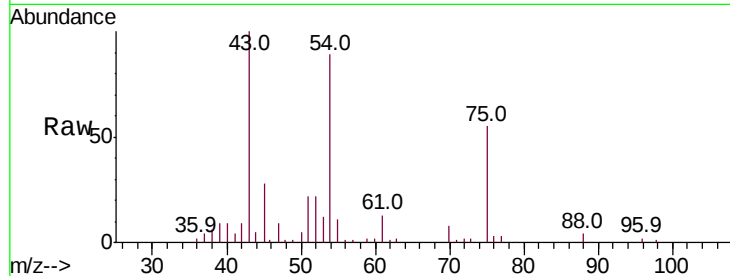




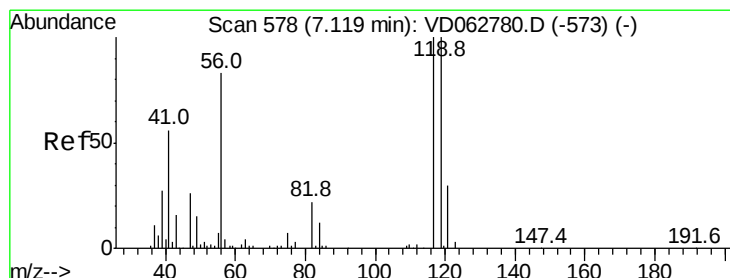
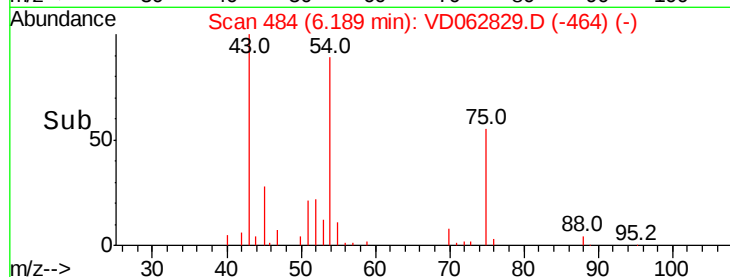
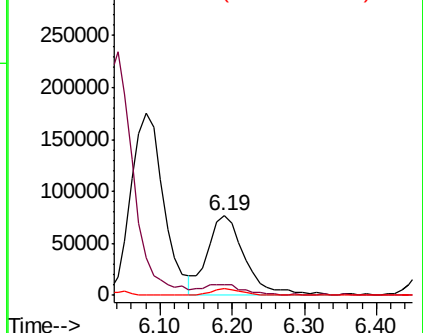
#37
Ethyl Acetate
Concen: 65.089 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 268330
Ion Ratio Lower Upper
43 100
61 13.0 11.6 17.4
70 8.1 6.4 9.6

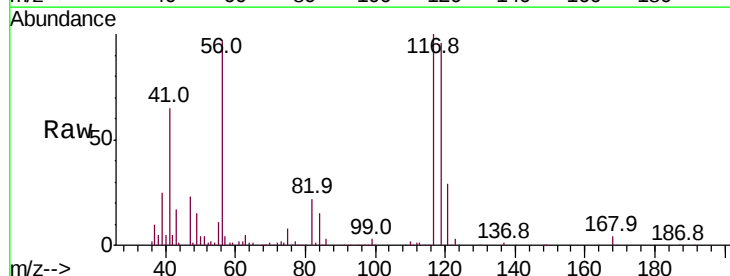


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

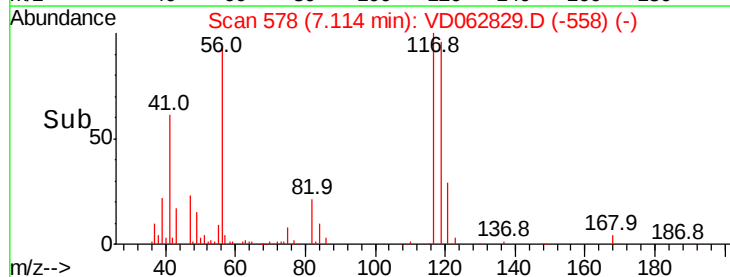
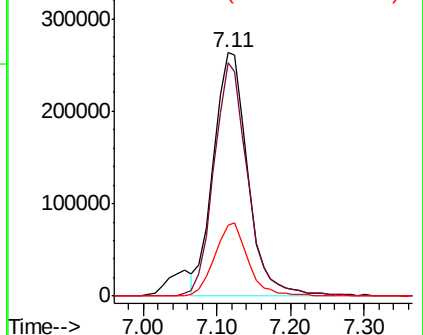


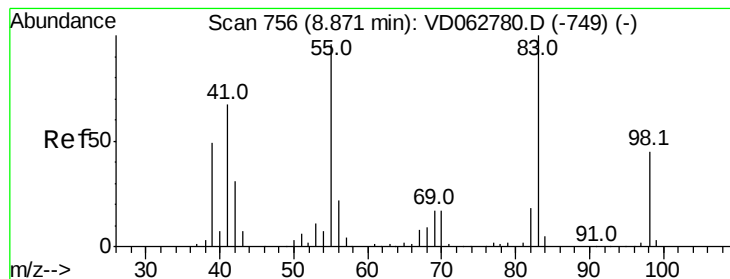
#38
Carbon Tetrachloride
Concen: 57.543 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 117 Resp: 853673
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.2
121 29.1 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 53.766 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

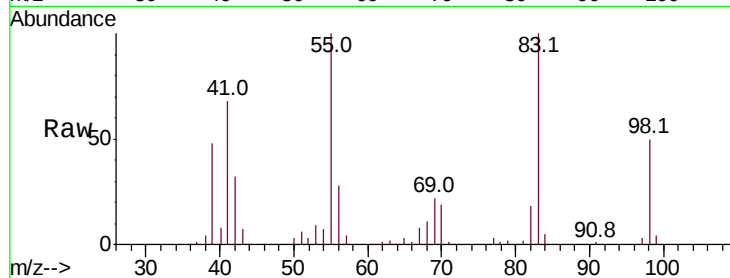
Tot Ion: 83 Resp: 466836

Ion Ratio Lower Upper

83 100

55 100.3 76.6 115.0

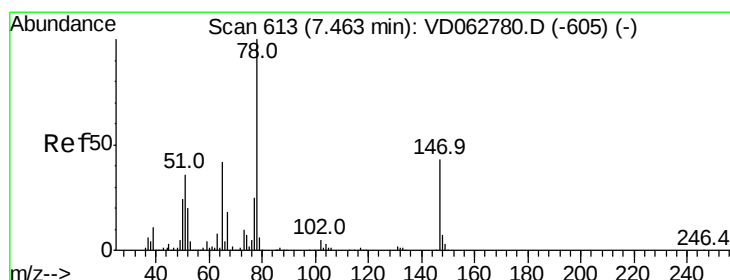
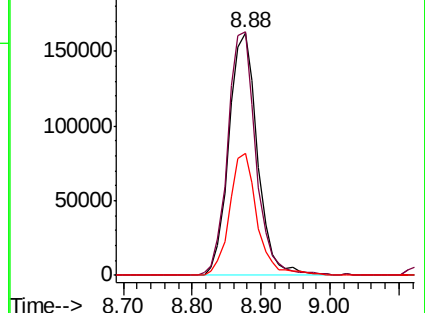
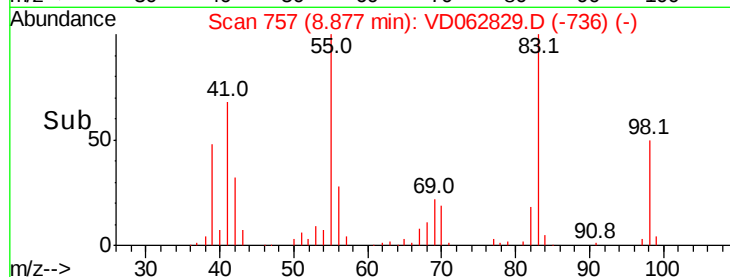
98 50.1 35.7 53.5



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: 61.233 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062829.D

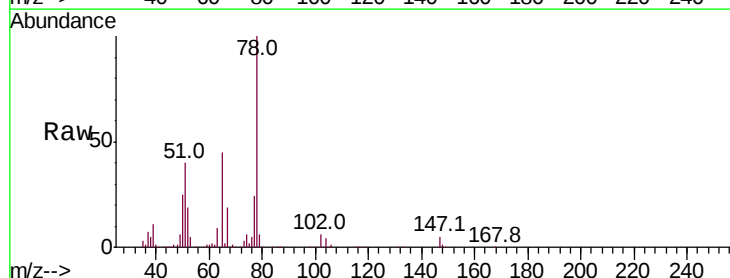
Acq: 21 Jun 2019 21:05

Tgt Ion: 78 Resp: 1212431

Ion Ratio Lower Upper

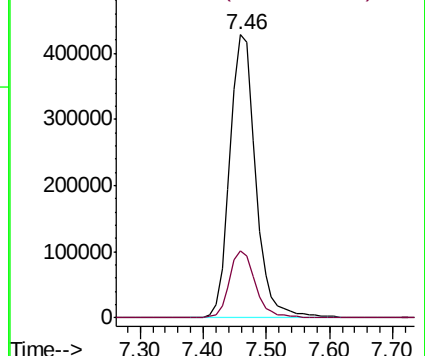
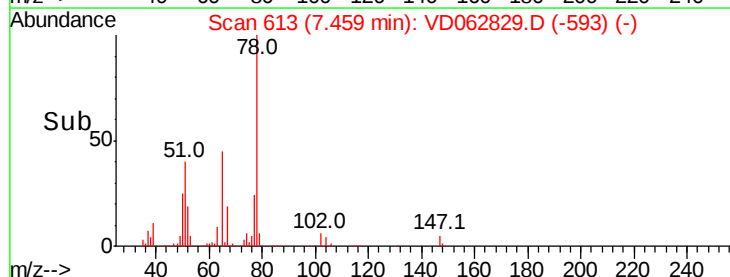
78 100

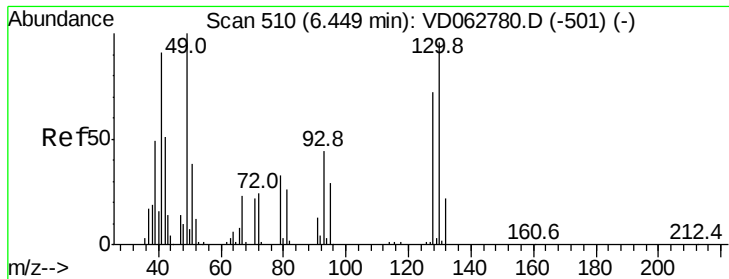
77 23.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

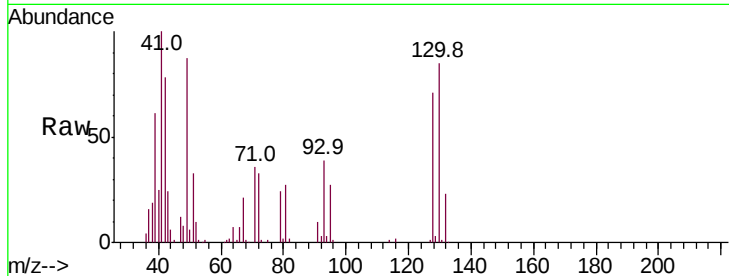




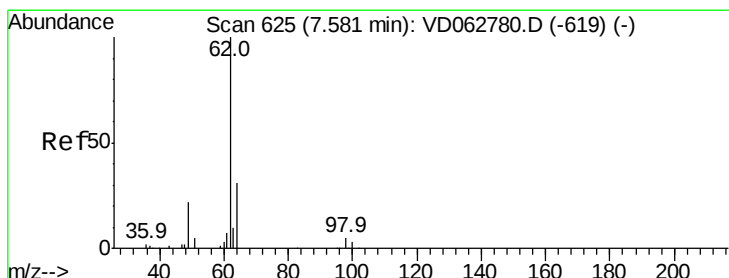
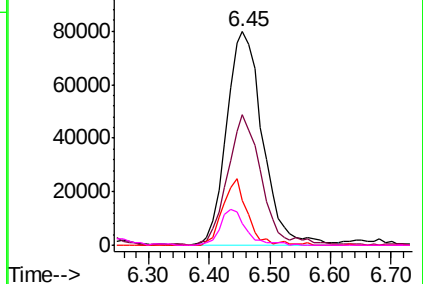
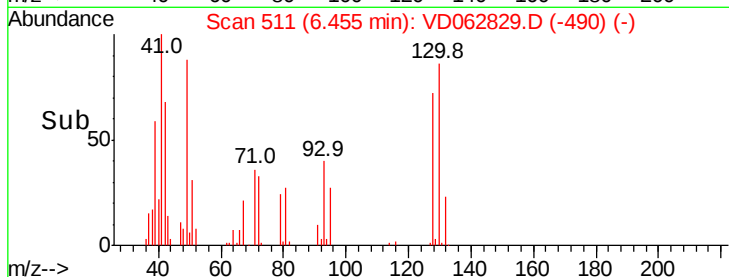
#41
Methacrylonitrile
Concen: 63.428 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	329952
Ion	Ratio	Lower	Upper
41	100		
39	61.2	43.2	64.8
67	20.9	19.9	29.9
52	10.5	10.2	15.4

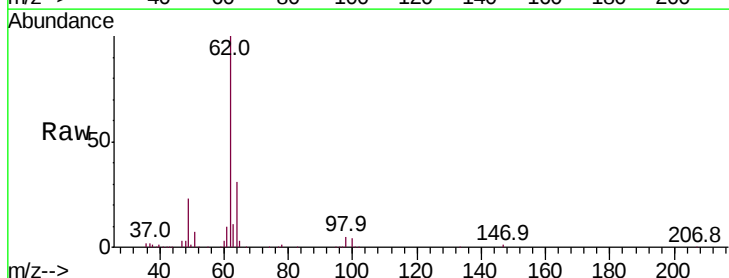


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

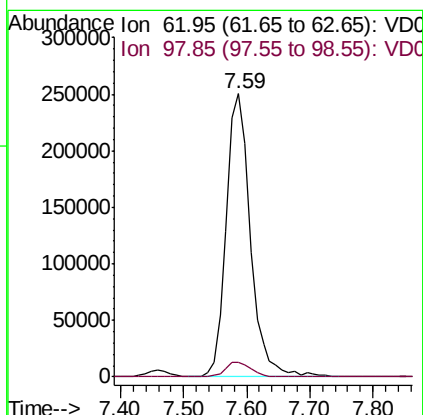
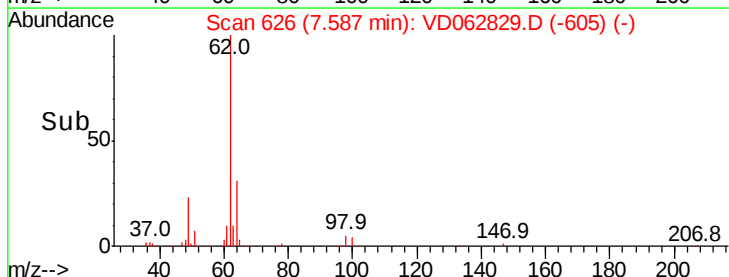


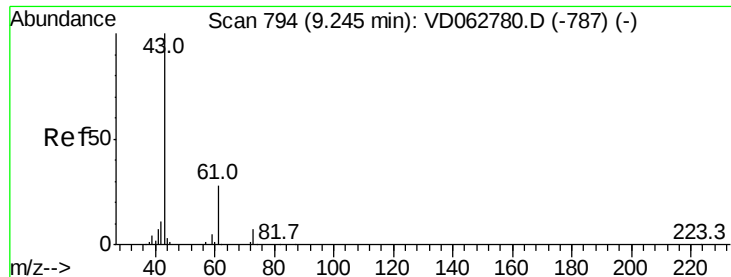
#42
1,2-Dichloroethane
Concen: 61.640 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:	62	Resp:	665804
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.0



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





#43

Isopropyl Acetate

Concen: 68.722 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

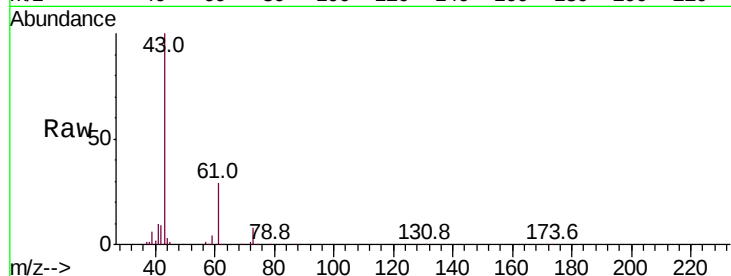
Tot Ion: 43 Resp: 355391

Ion Ratio Lower Upper

43 100

61 29.1 22.4 33.6

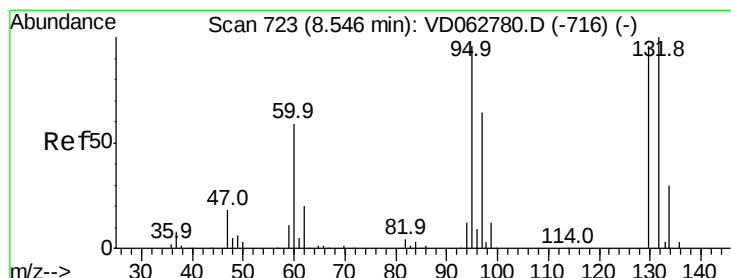
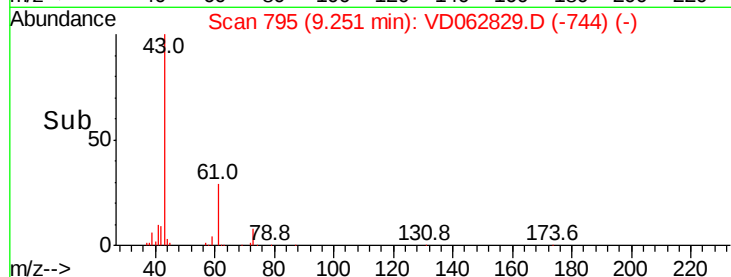
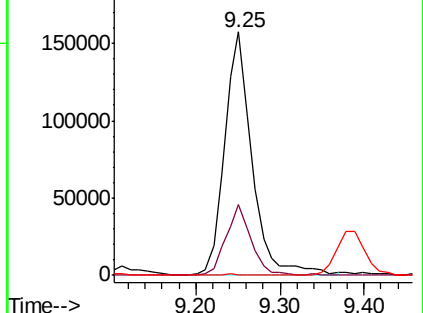
87 0.2 0.3 0.5#



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: 61.525 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062829.D

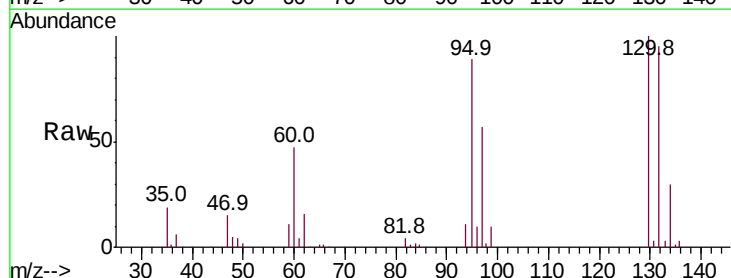
Acq: 21 Jun 2019 21:05

Tgt Ion:130 Resp: 477592

Ion Ratio Lower Upper

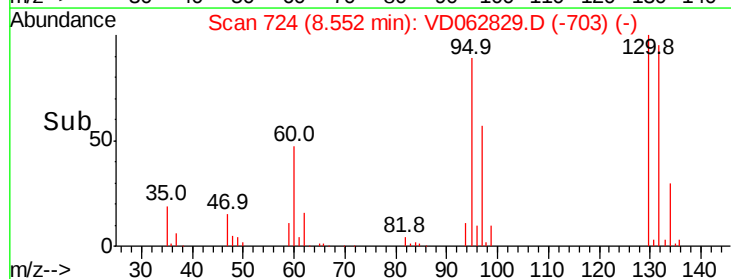
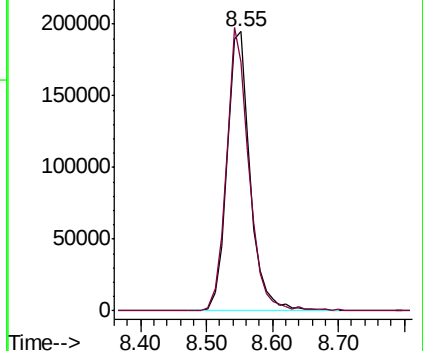
130 100

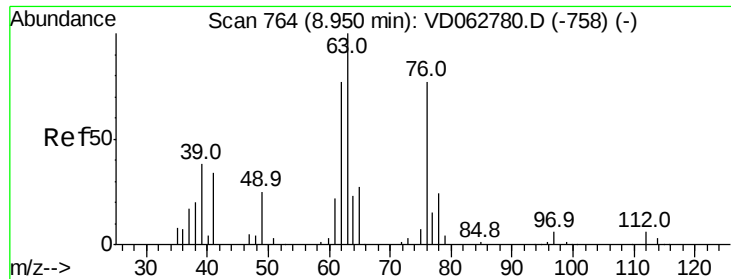
95 89.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 63.163 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

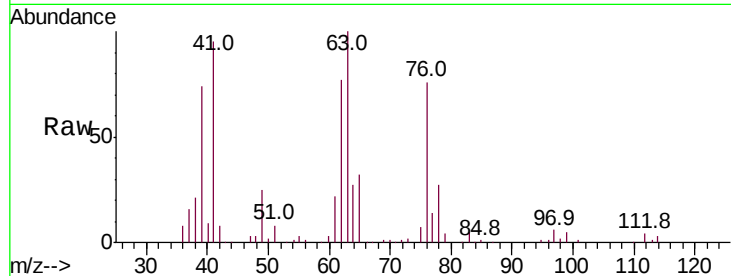
VSTDCCC050EC

Tot Ion: 63 Resp: 310983

Ion Ratio Lower Upper

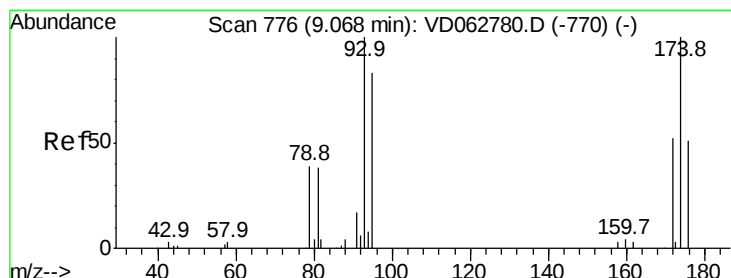
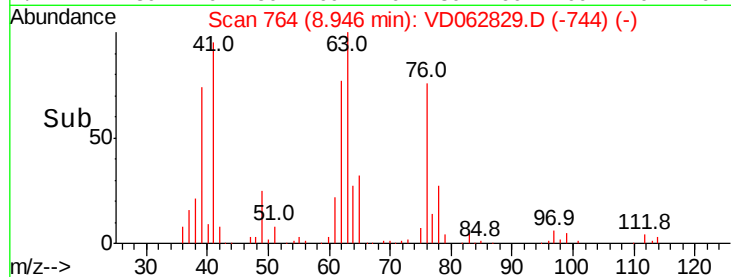
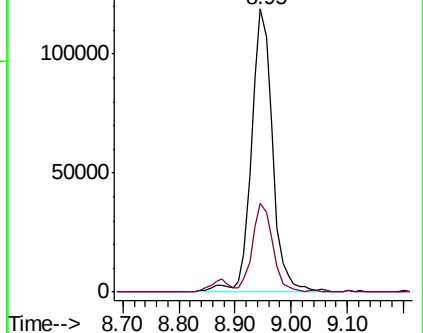
63 100

65 31.5 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 62.949 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

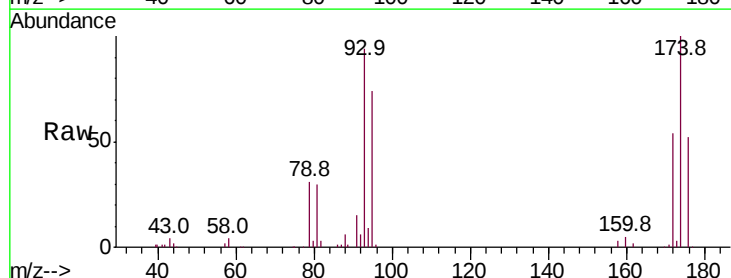
Tgt Ion: 93 Resp: 266234

Ion Ratio Lower Upper

93 100

95 78.7 66.6 100.0

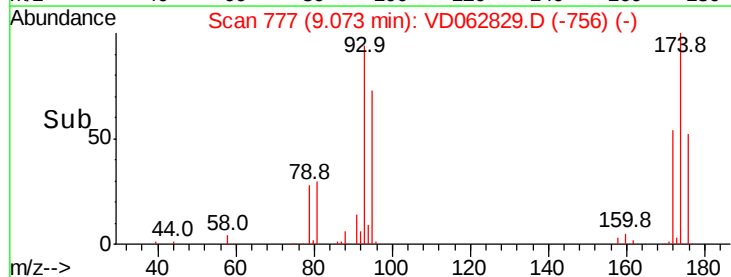
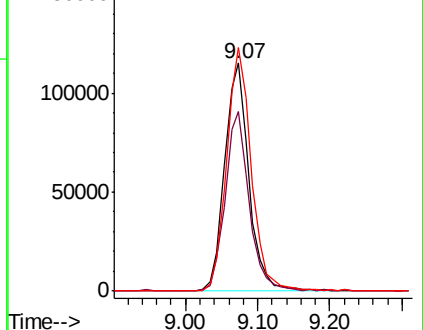
174 106.7 79.7 119.5

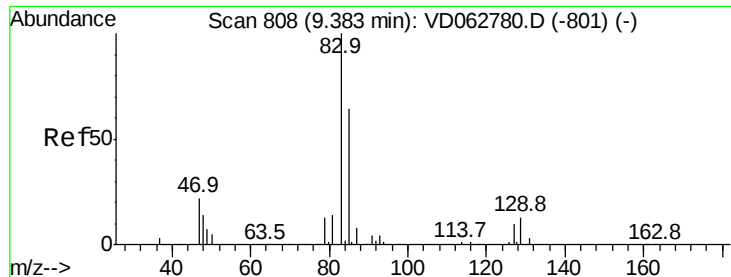


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 62.541 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

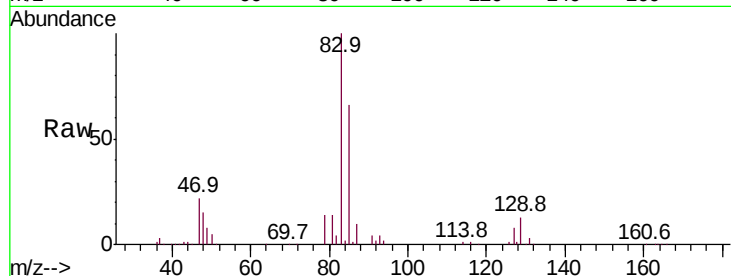
Tot Ion: 83 Resp: 686946

Ion Ratio Lower Upper

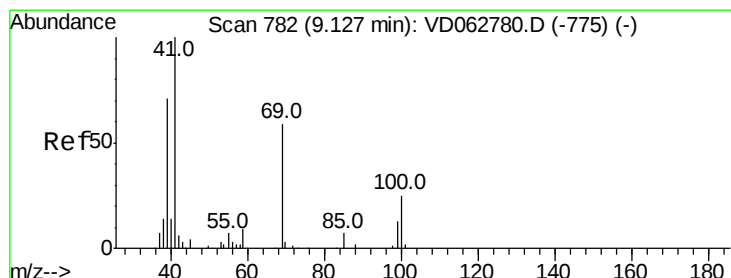
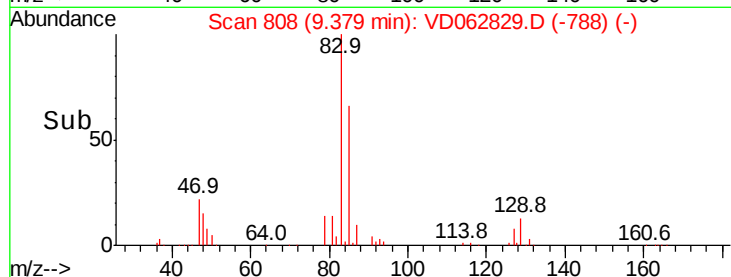
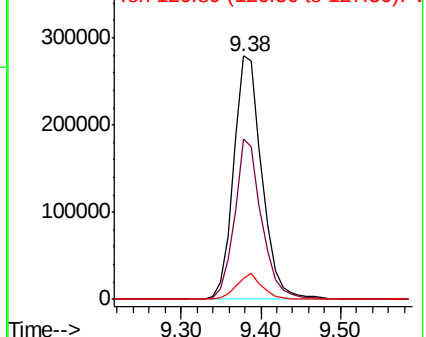
83 100

85 65.8 51.6 77.4

127 8.5 7.8 11.6



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: 62.269 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

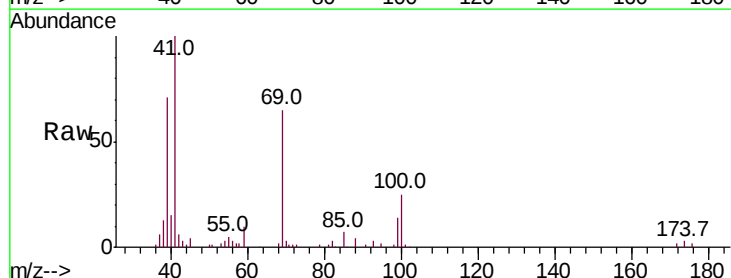
Tgt Ion: 41 Resp: 228836

Ion Ratio Lower Upper

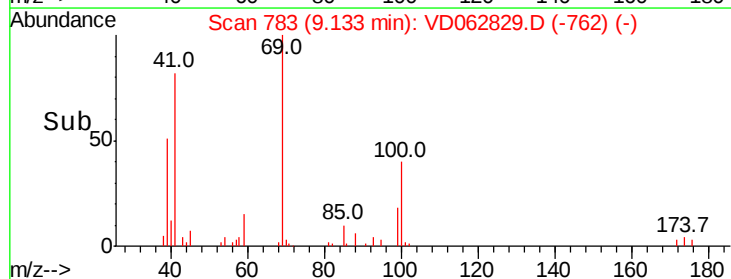
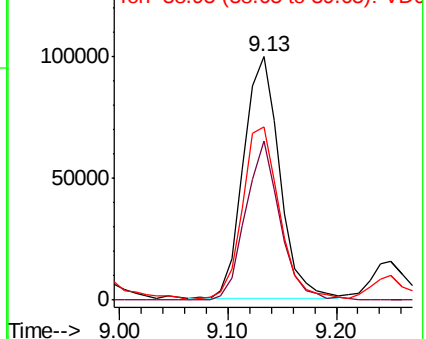
41 100

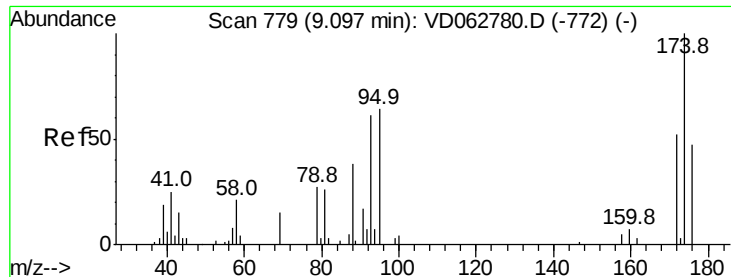
69 65.2 47.2 70.8

39 70.9 57.4 86.2



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

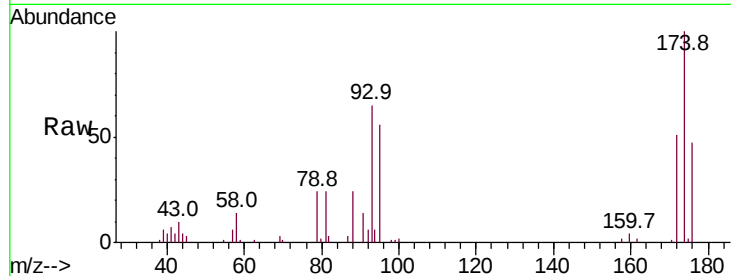




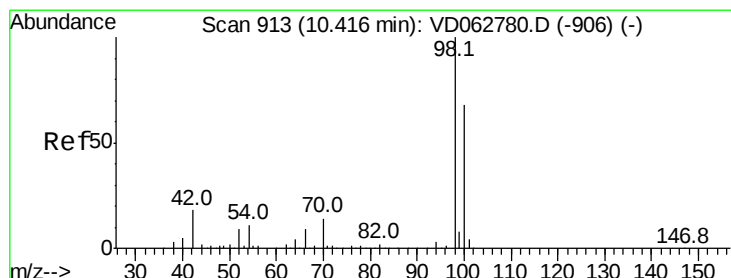
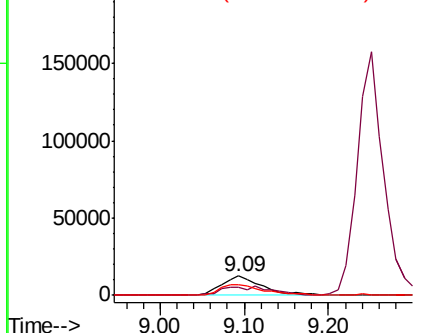
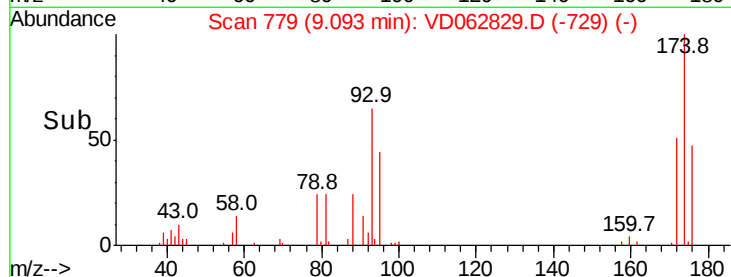
#49
 1,4-Dioxane
 Concen: 1383.895 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 42312
 Ion Ratio Lower Upper
 88 100
 43 43.2 32.1 48.1
 58 57.3 44.1 66.1

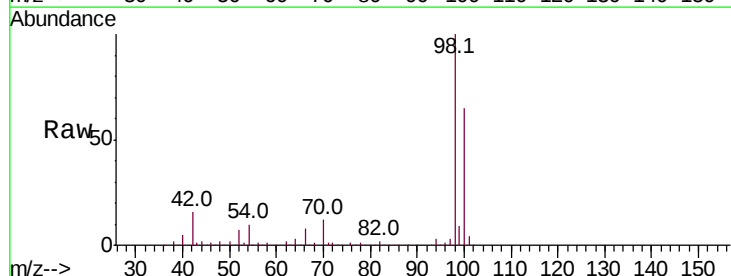


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

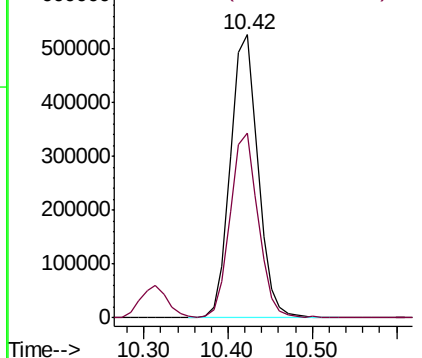
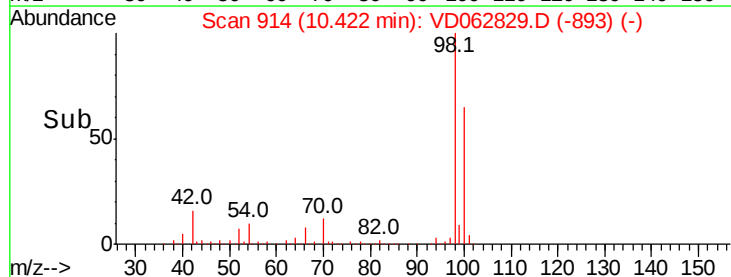


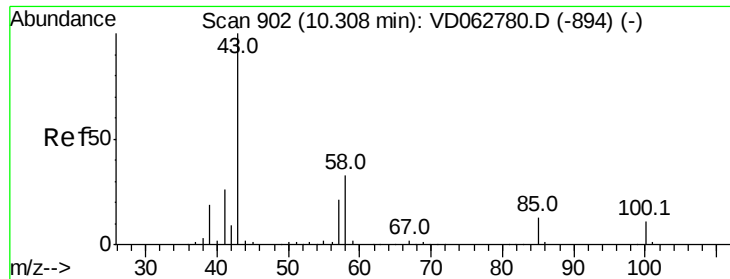
#50
 Toluene-d8
 Concen: 62.870 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 98 Resp: 1202257
 Ion Ratio Lower Upper
 98 100
 100 65.4 54.7 82.1



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

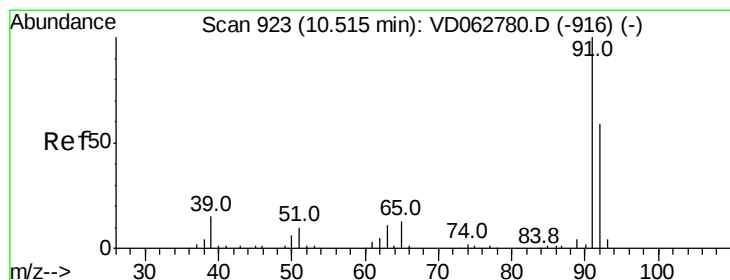
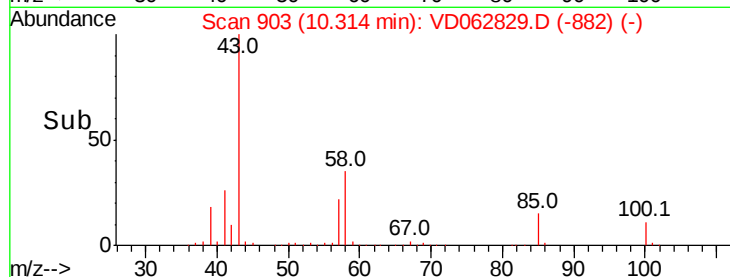
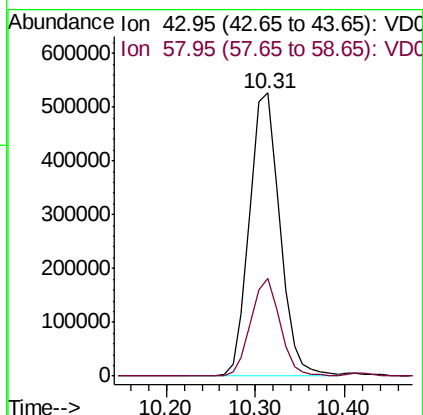
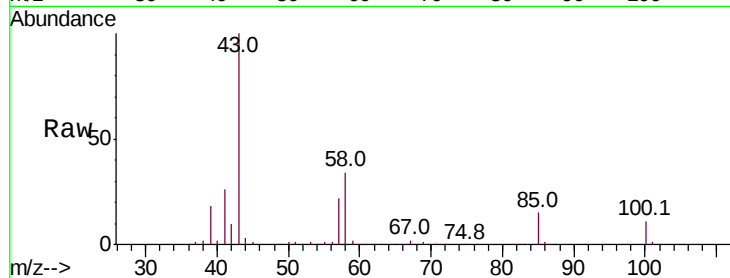




#51
4-Methyl-2-Pentanone
Concen: 339.000 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

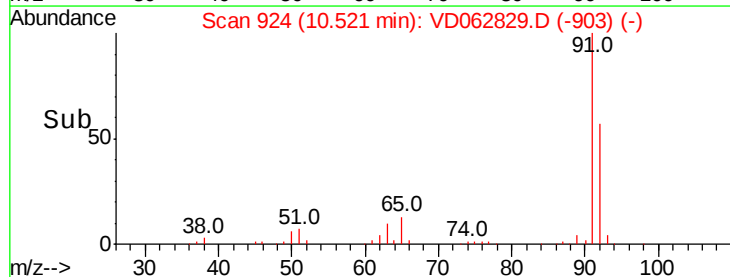
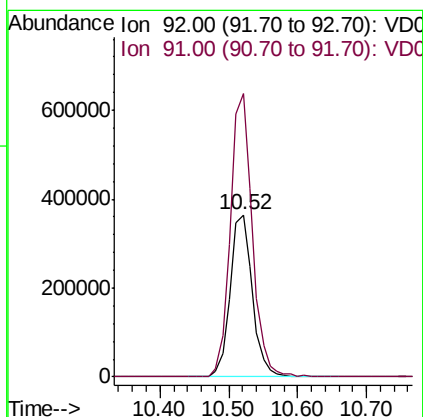
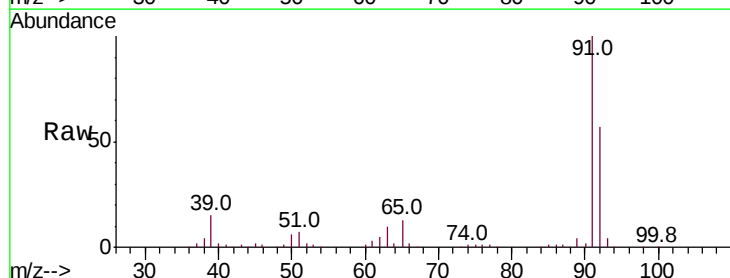
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

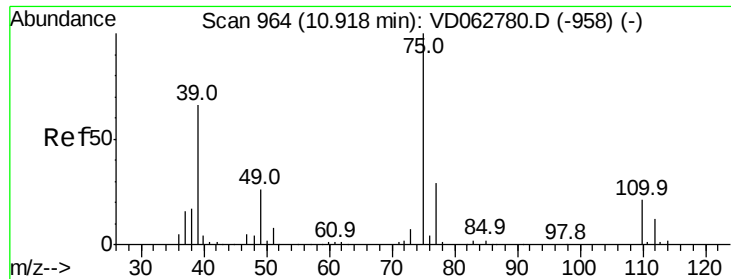
Tot Ion: 43 Resp: 1242949
Ion Ratio Lower Upper
43 100
58 34.5 26.6 40.0



#52
Toluene
Concen: 60.863 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 92 Resp: 810084
Ion Ratio Lower Upper
92 100
91 175.0 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 65.980 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

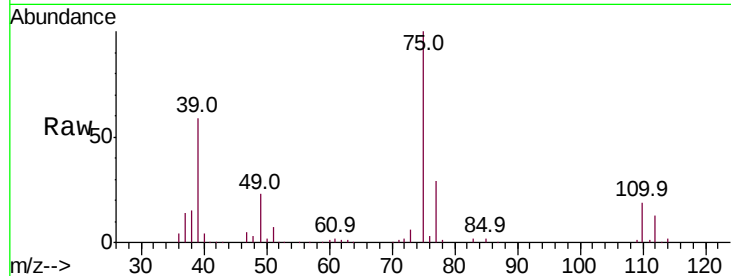
VSTDCCC050EC

Tot Ion: 75 Resp: 593176

Ion Ratio Lower Upper

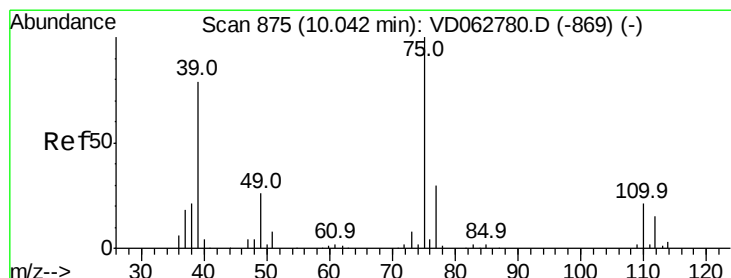
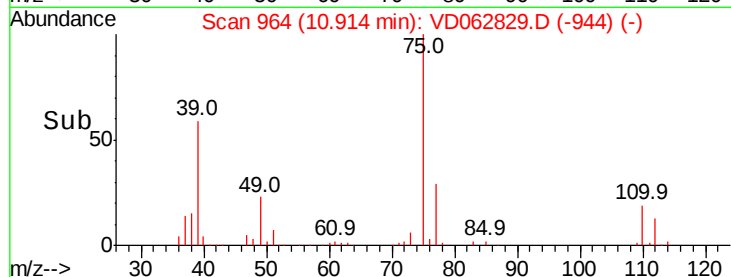
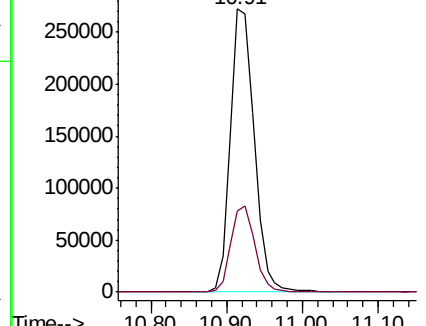
75 100

77 28.6 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 62.193 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

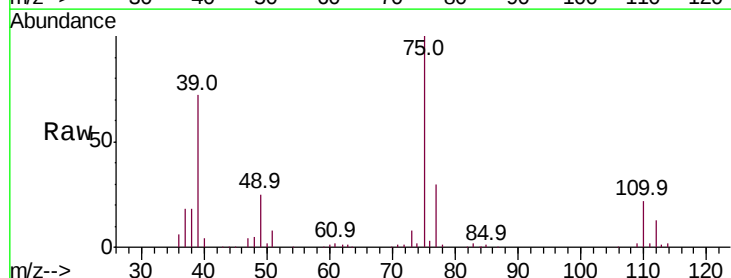
Tgt Ion: 75 Resp: 607728

Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.2

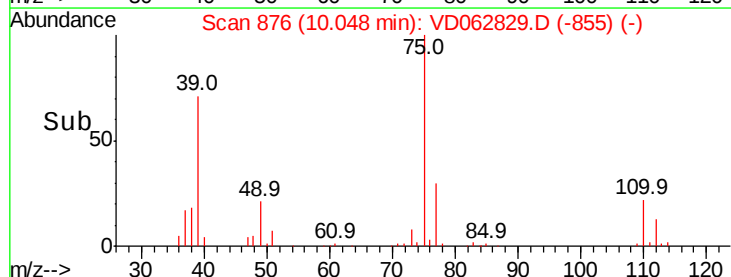
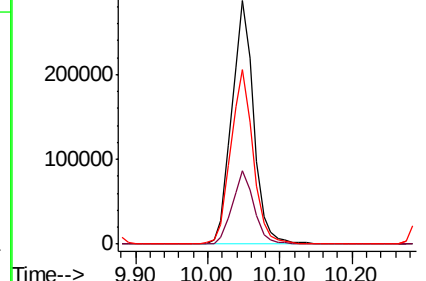
39 71.9 63.5 95.3

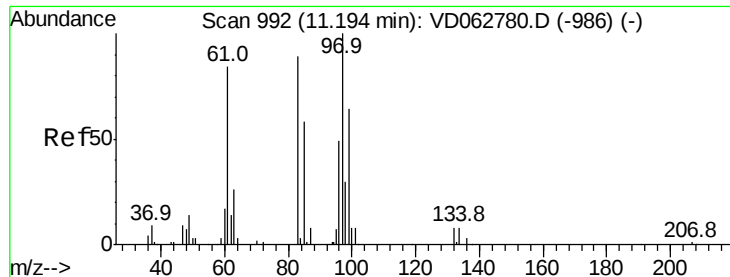


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 64.643 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 295596

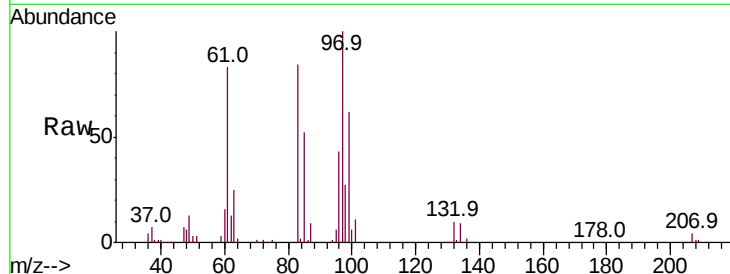
Ion Ratio Lower Upper

97 100

83 84.3 71.0 106.4

85 51.7 46.6 69.8

99 62.4 51.4 77.0

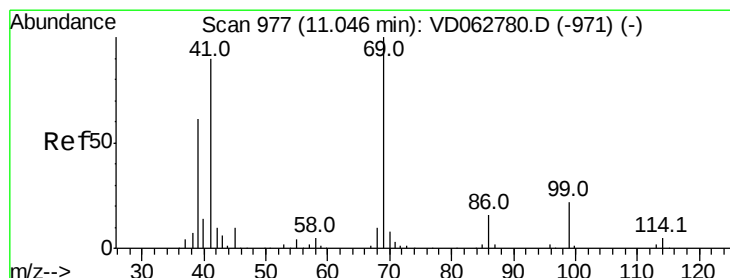
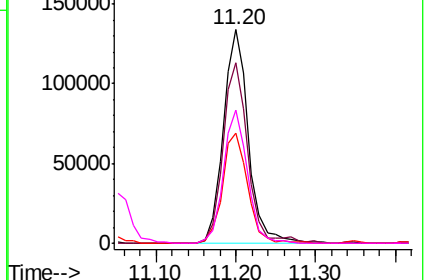
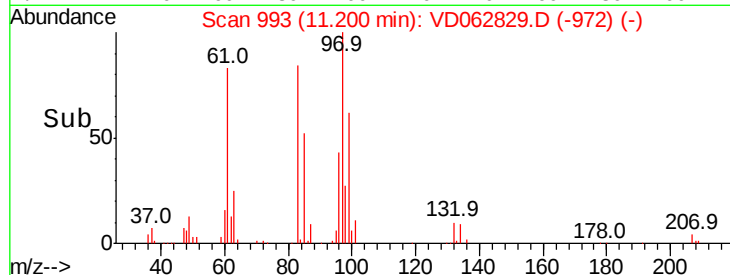


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 60.443 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

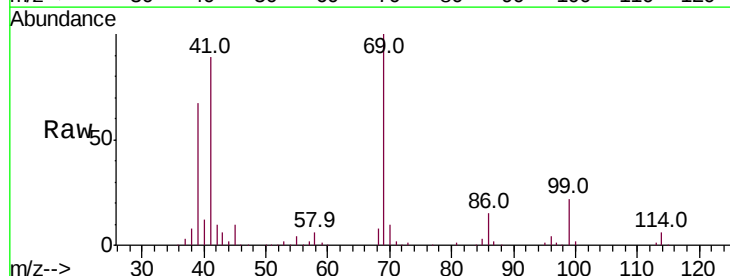
Tgt Ion: 69 Resp: 295375

Ion Ratio Lower Upper

69 100

41 89.1 72.0 108.0

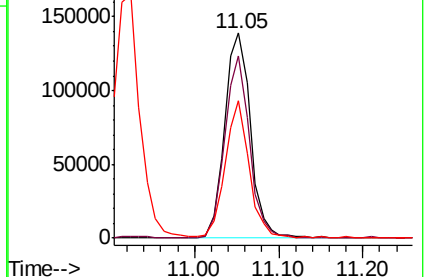
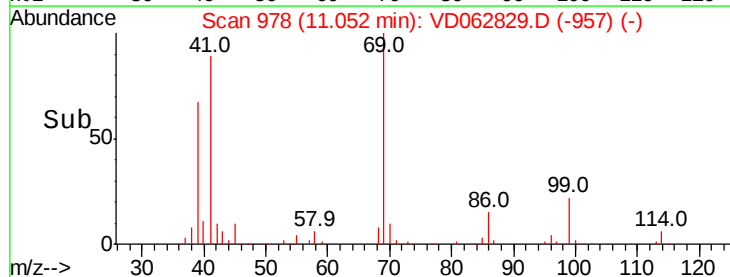
39 67.1 49.5 74.3

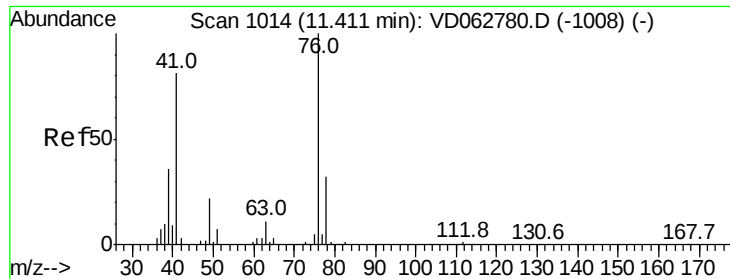


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 67.346 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

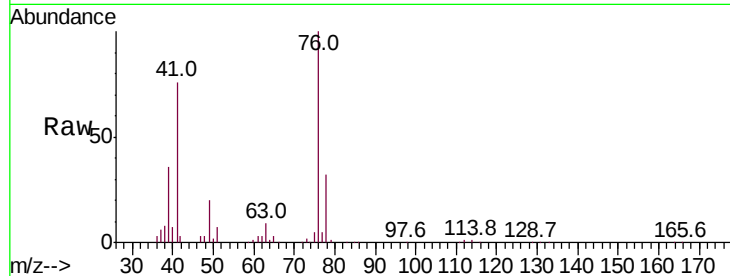
VSTDCCC050EC

Tot Ion: 76 Resp: 471532

Ion Ratio Lower Upper

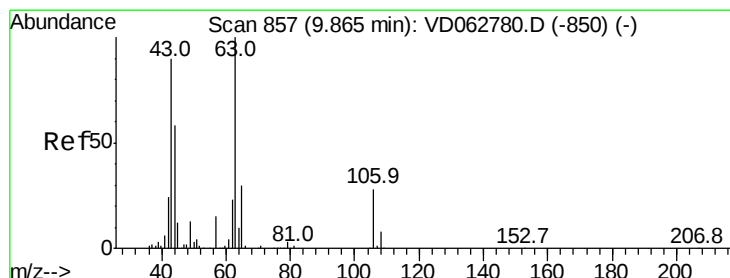
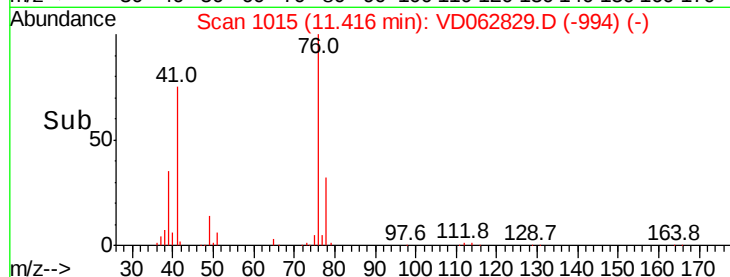
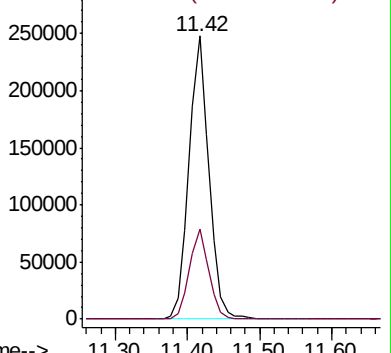
76 100

78 31.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 332.477 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062829.D

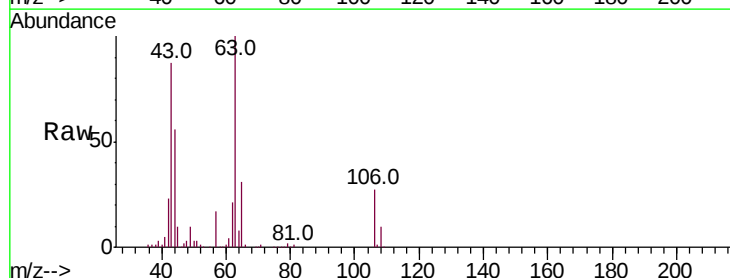
Acq: 21 Jun 2019 21:05

Tgt Ion: 63 Resp: 834129

Ion Ratio Lower Upper

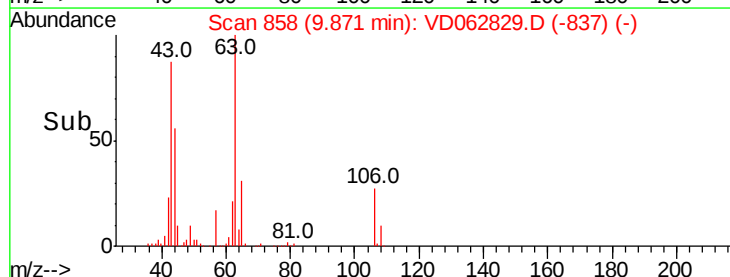
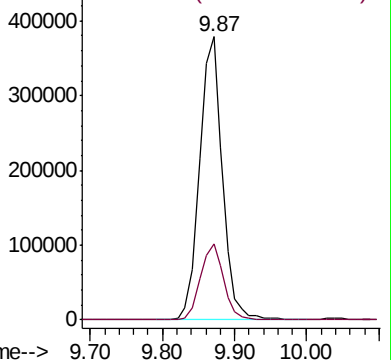
63 100

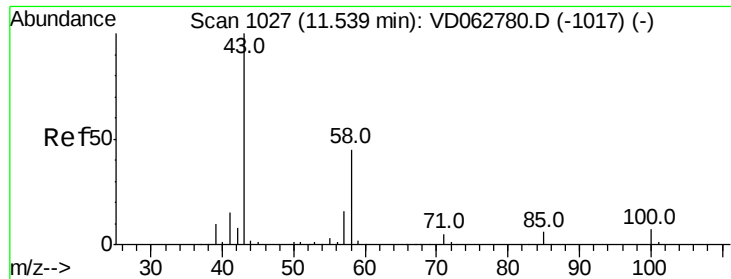
106 27.0 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

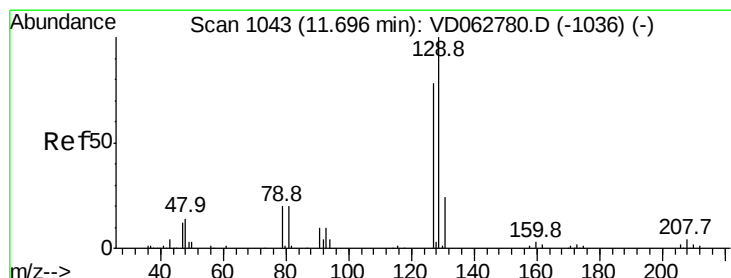
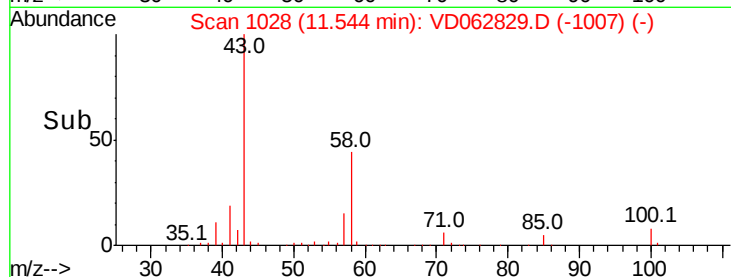
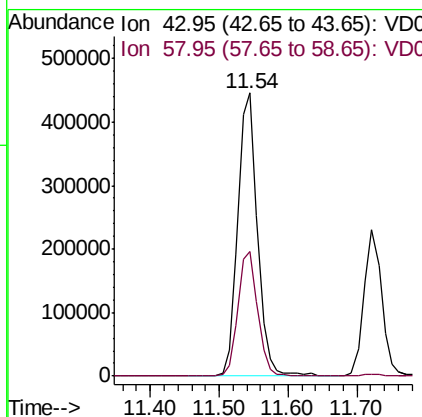
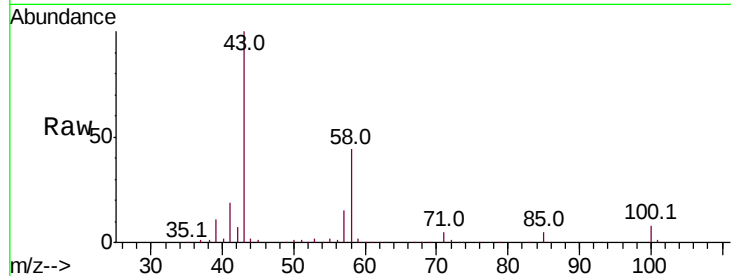




#59
2-Hexanone
Concen: 337.872 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

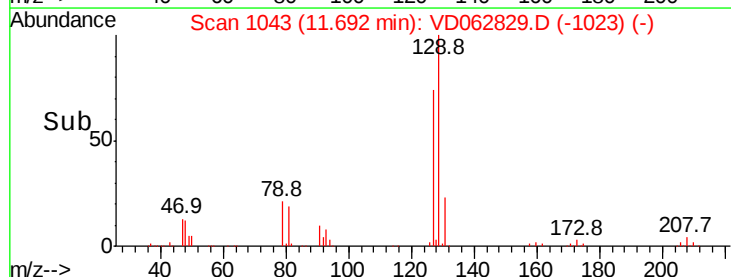
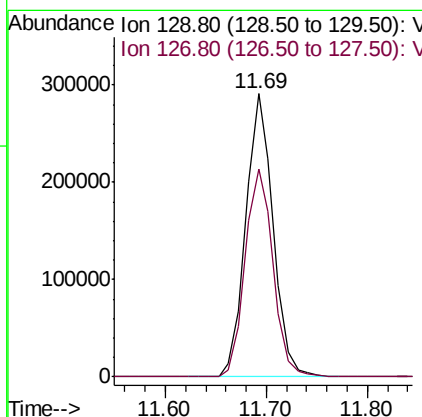
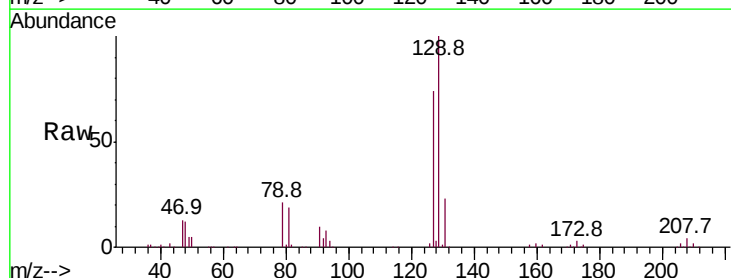
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

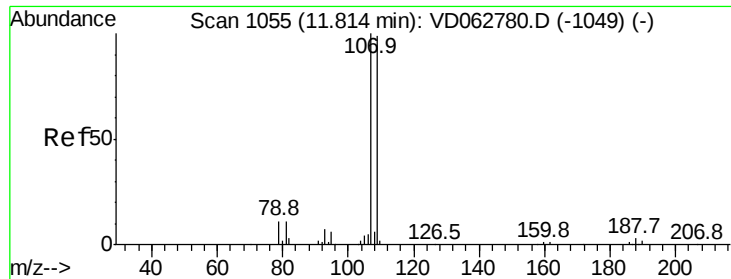
Tot Ion: 43 Resp: 882269
Ion Ratio Lower Upper
43 100
58 44.0 22.4 67.2



#60
Dibromochloromethane
Concen: 64.692 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 129 Resp: 551004
Ion Ratio Lower Upper
129 100
127 73.6 38.9 116.6

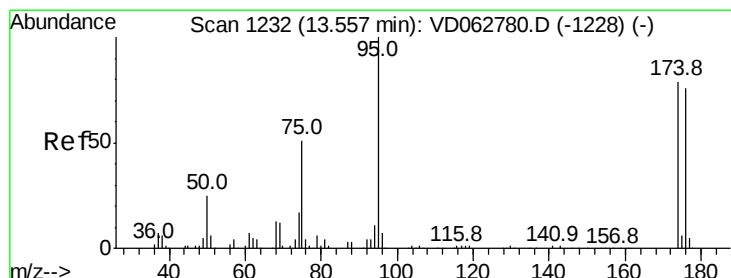
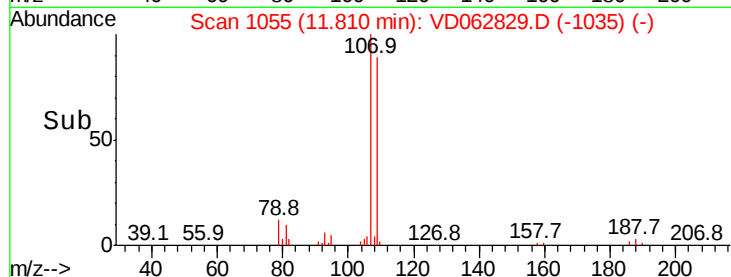
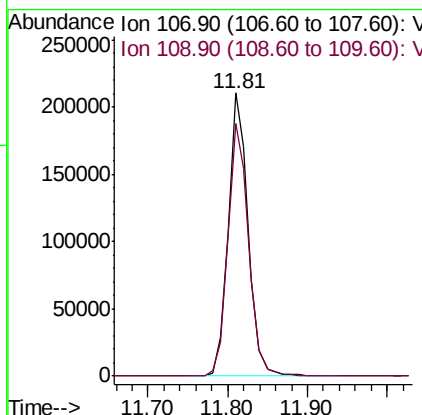
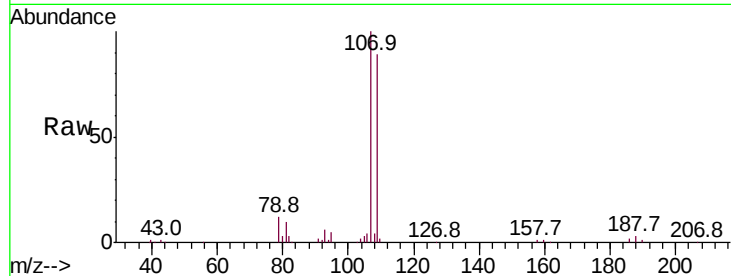




#61
 1,2-Dibromoethane
 Concen: 68.323 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

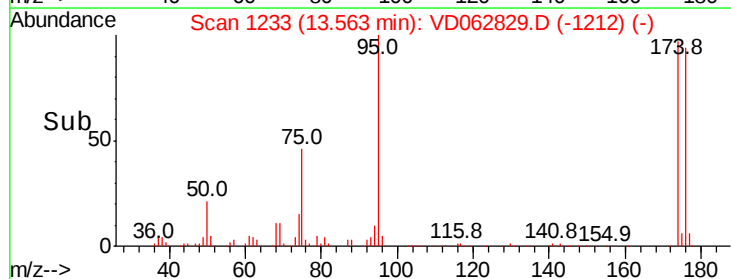
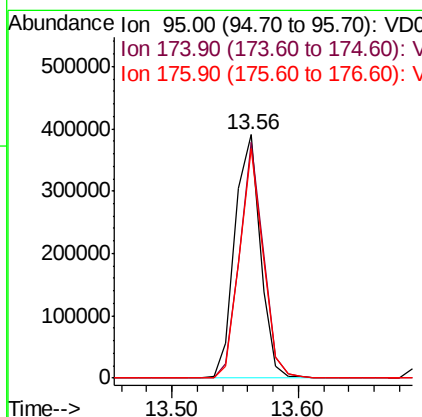
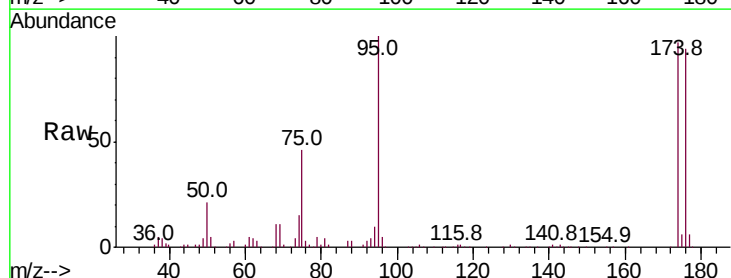
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

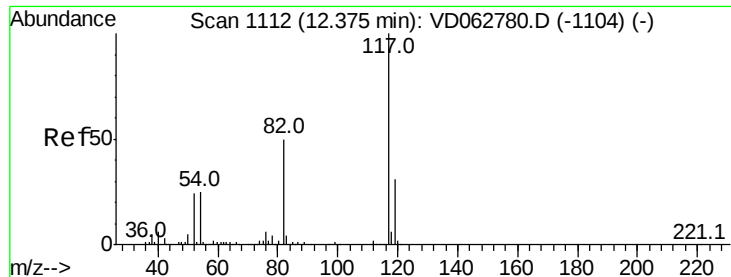
Tot Ion:107 Resp: 368989
 Ion Ratio Lower Upper
 107 100
 109 89.1 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 62.281 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 95 Resp: 541555
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 158.0
 176 94.4 0.0 151.6

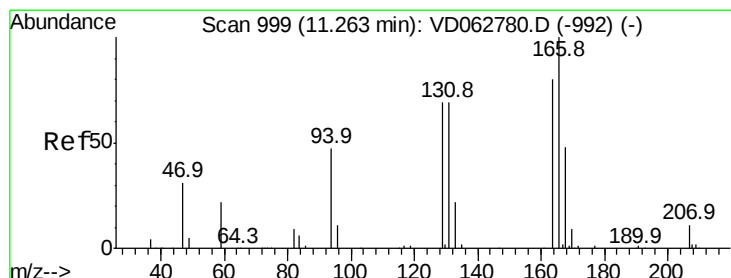
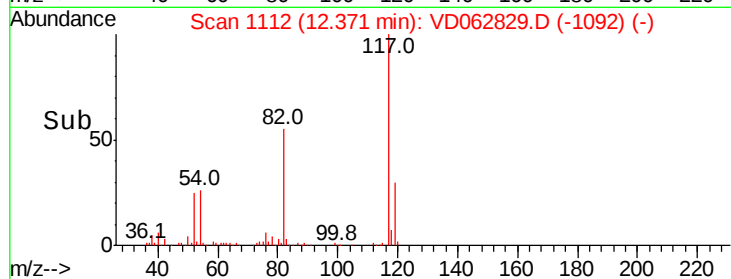
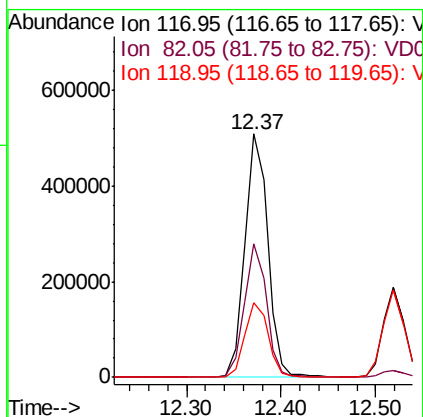
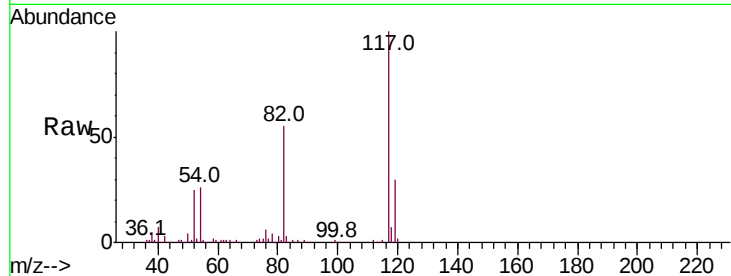




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

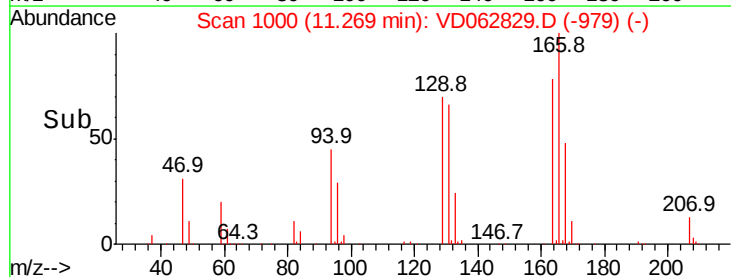
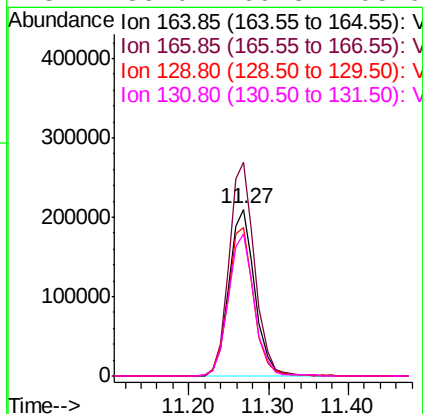
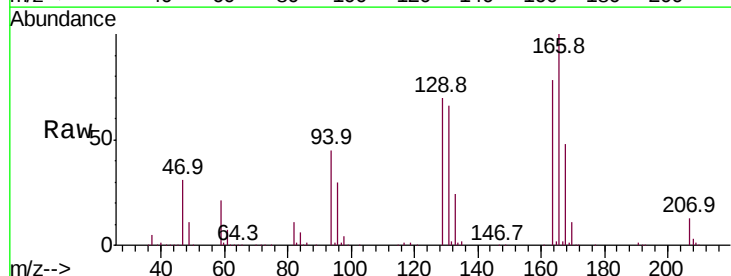
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

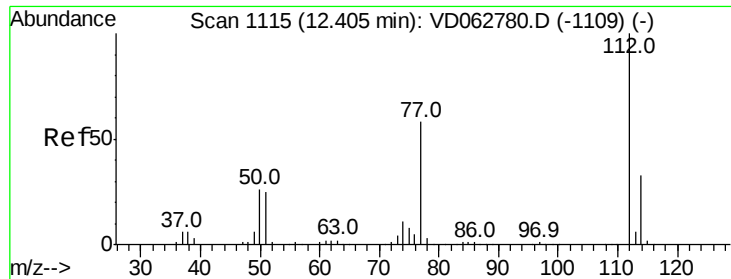
Tot Ion:117 Resp: 852414
Ion Ratio Lower Upper
117 100
82 54.6 40.4 60.6
119 30.4 25.2 37.8



#64
Tetrachloroethene
Concen: 67.713 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:164 Resp: 475048
Ion Ratio Lower Upper
164 100
166 128.0 100.6 150.8
129 88.9 69.4 104.0
131 85.0 69.3 103.9

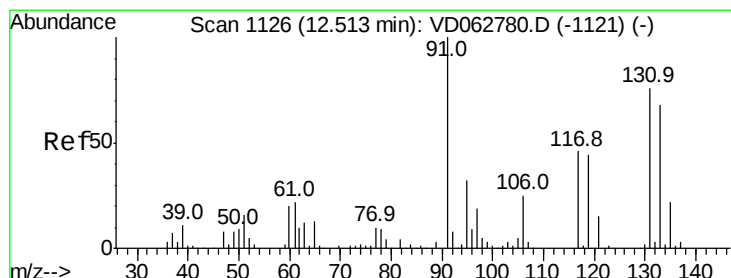
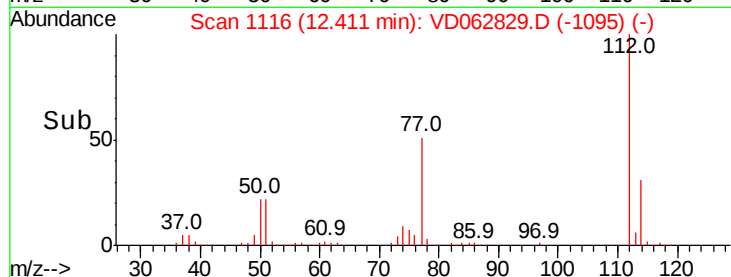
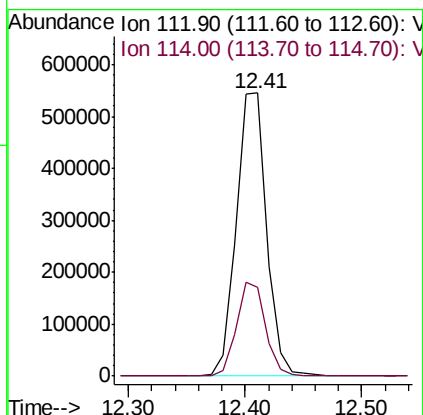
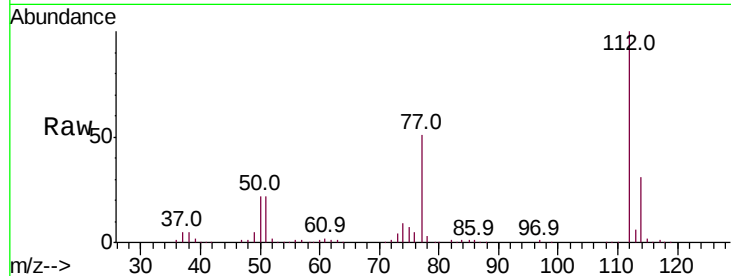




#65
Chlorobenzene
Concen: 61.892 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

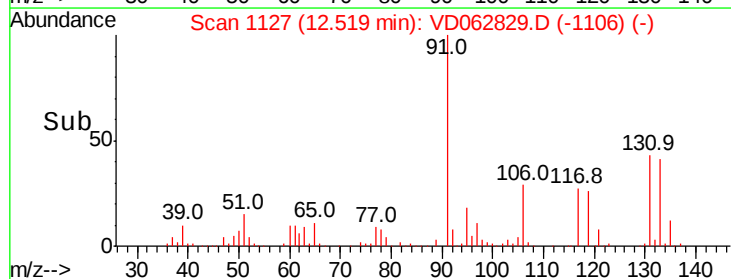
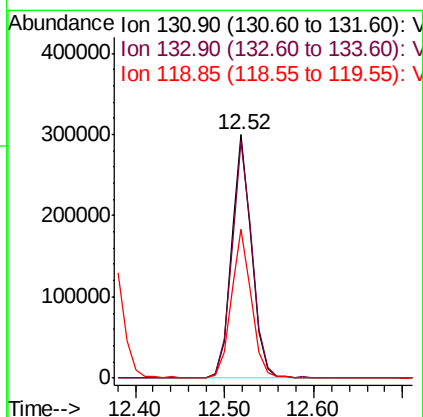
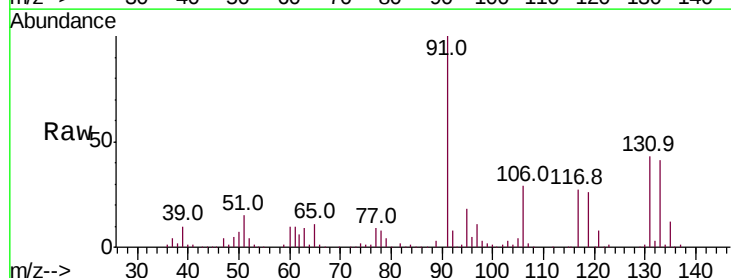
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

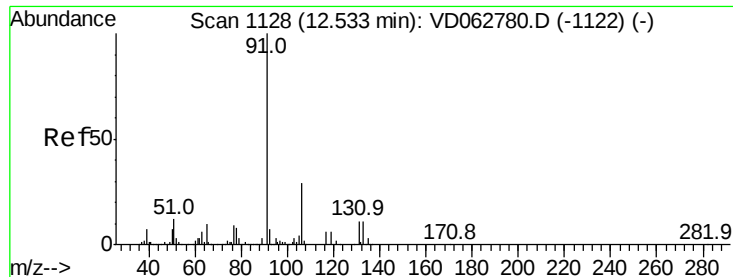
Tot Ion:112 Resp: 979132
Ion Ratio Lower Upper
112 100
114 31.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 64.018 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:131 Resp: 473627
Ion Ratio Lower Upper
131 100
133 97.2 44.5 133.3
119 61.2 28.6 85.9

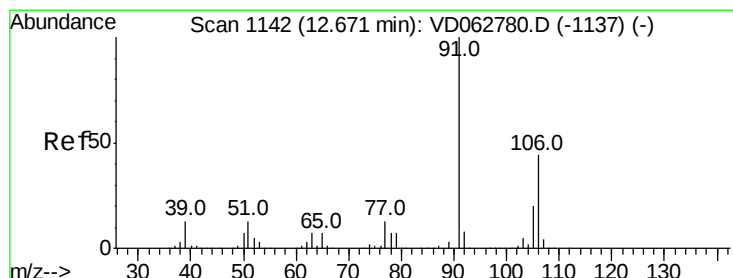
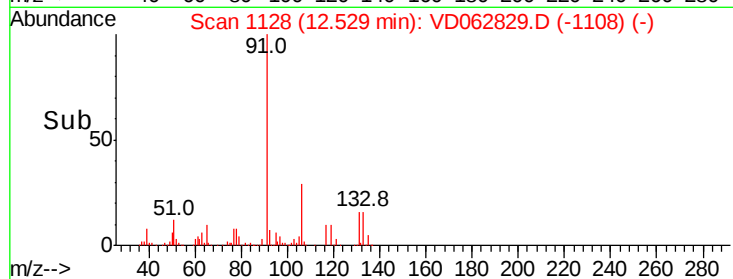
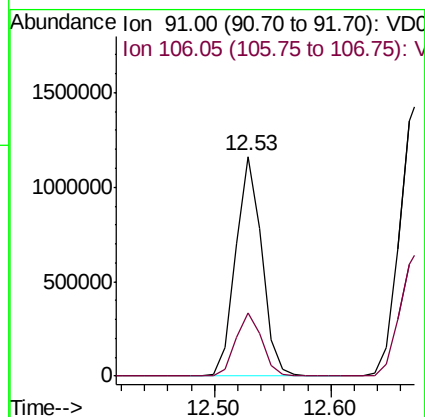
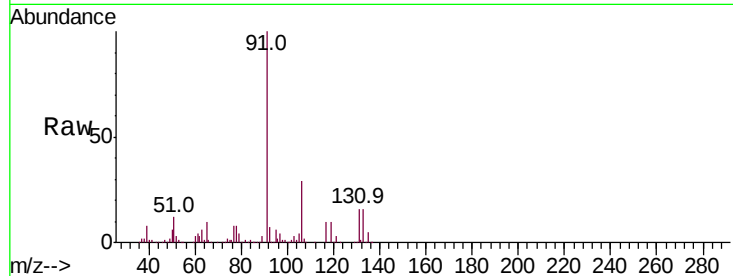




#67
Ethyl Benzene
Concen: 63.630 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

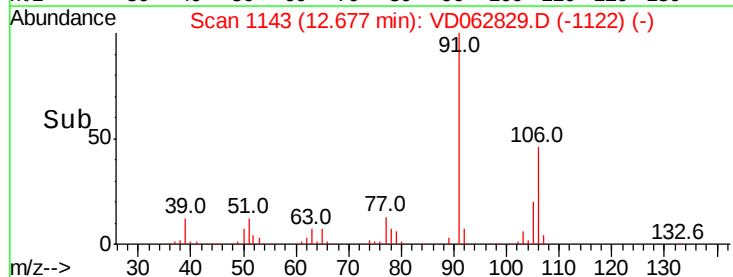
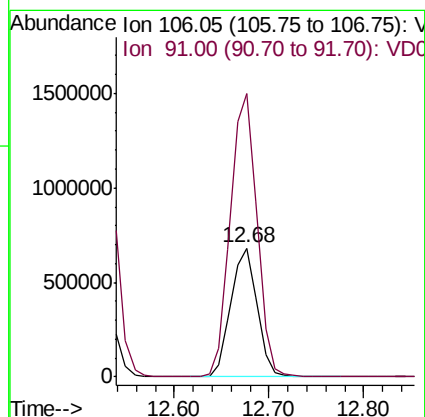
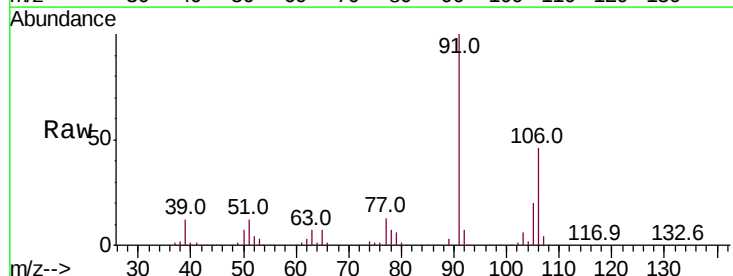
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

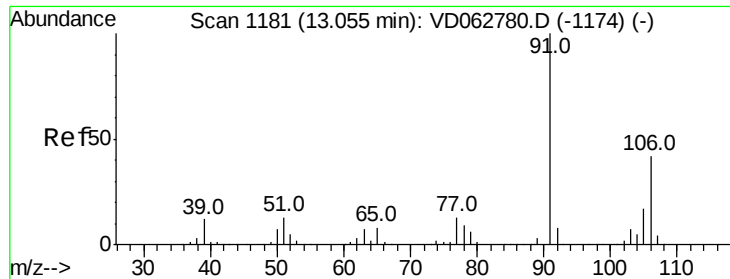
Tot Ion: 91 Resp: 1807276
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 132.343 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion: 106 Resp: 1309192
Ion Ratio Lower Upper
106 100
91 219.2 183.0 274.6

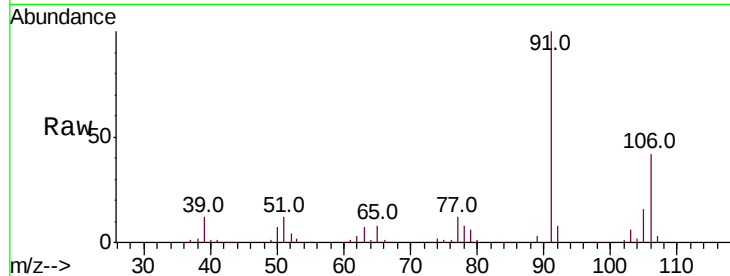




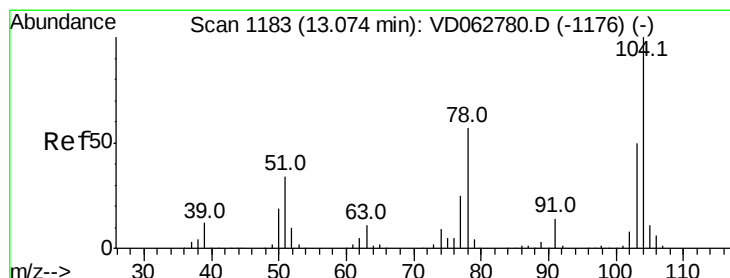
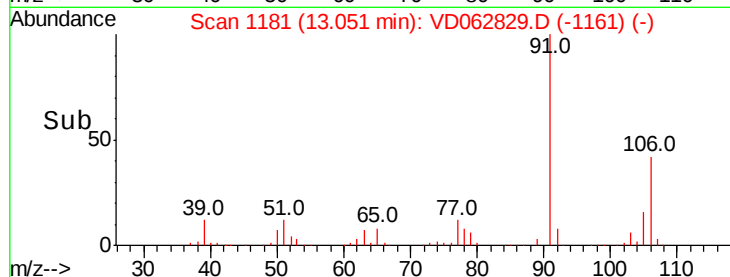
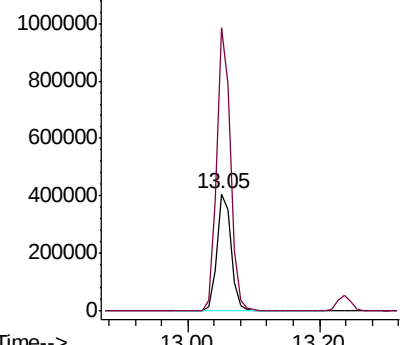
#69
o-Xylene
Concen: 68.358 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 618171
Ion Ratio Lower Upper
106 100
91 240.7 117.9 353.6

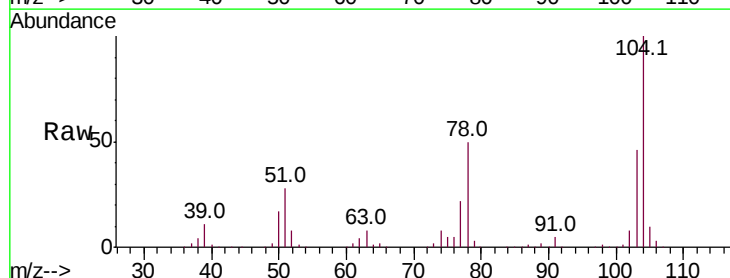


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

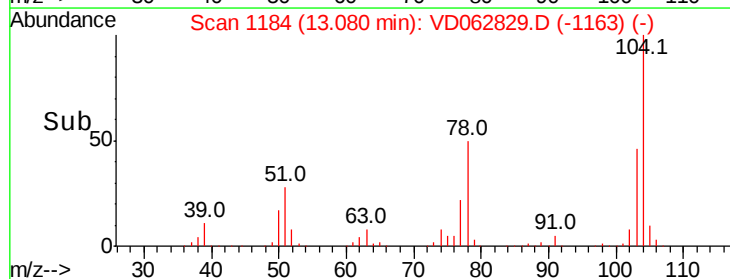
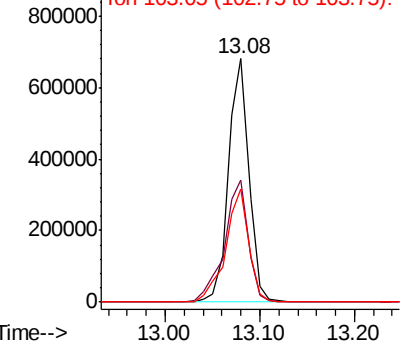


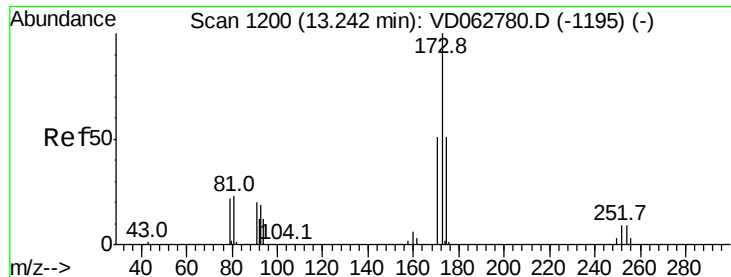
#70
Styrene
Concen: 63.929 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:104 Resp: 1015457
Ion Ratio Lower Upper
104 100
78 50.3 45.4 68.2
103 46.3 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 71.029 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

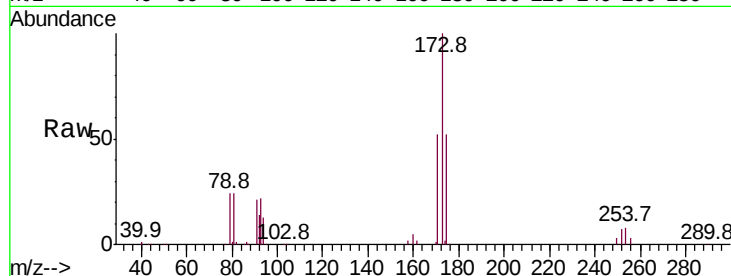
Tot Ion:173 Resp: 360038

Ion Ratio Lower Upper

173 100

175 51.8 25.3 75.9

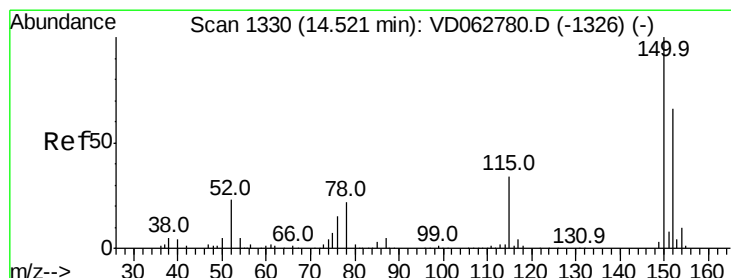
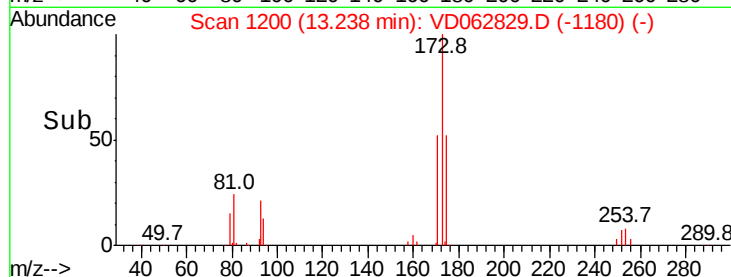
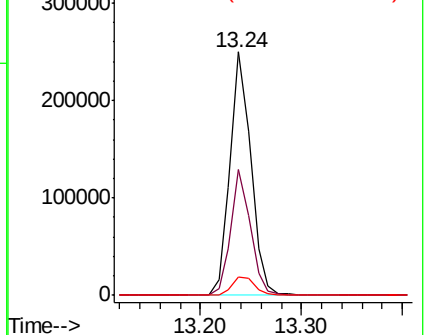
254 7.7 7.1 10.7



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

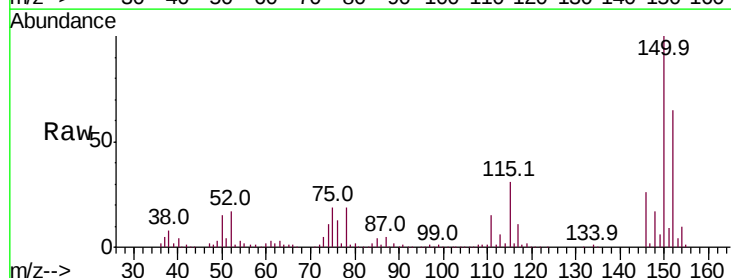
Tgt Ion:152 Resp: 480312

Ion Ratio Lower Upper

152 100

115 47.9 29.2 87.6

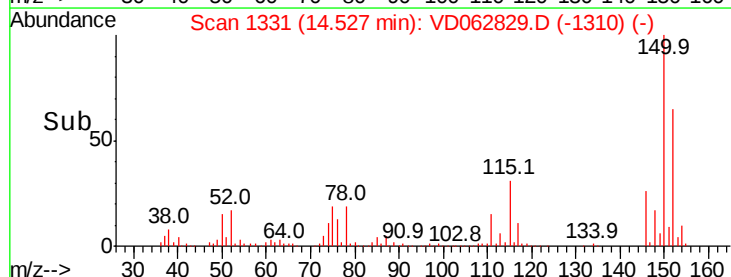
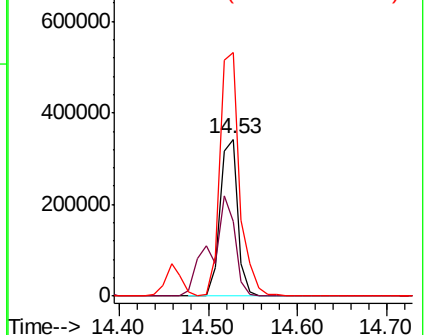
150 154.9 0.0 305.8

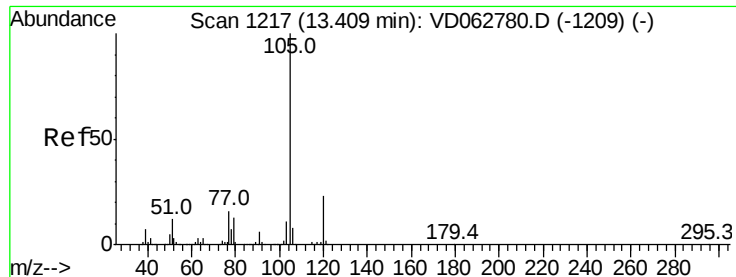


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.428 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

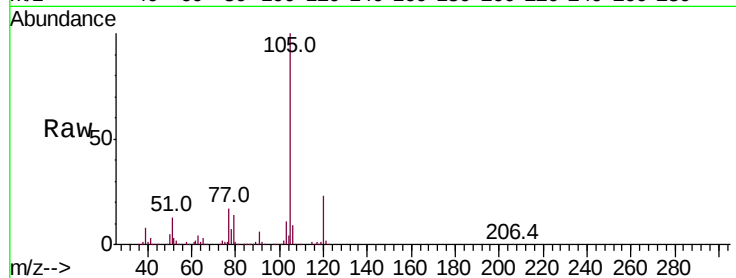
VSTDCCC050EC

Tot Ion:105 Resp: 1676209

Ion Ratio Lower Upper

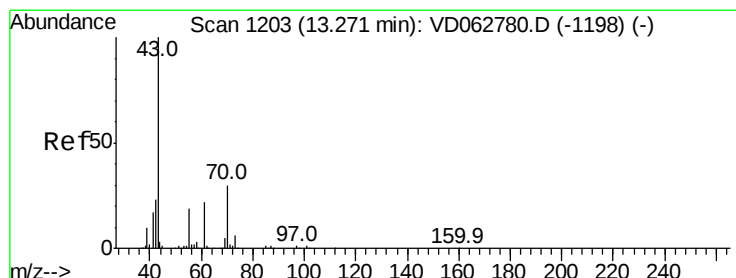
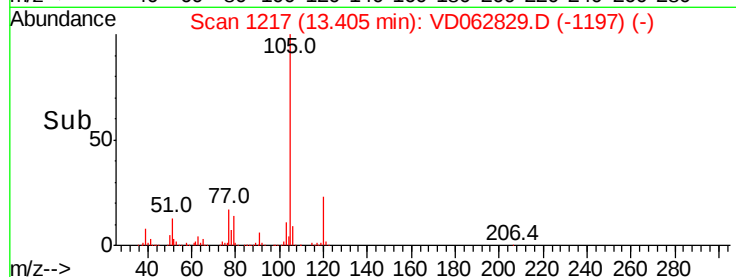
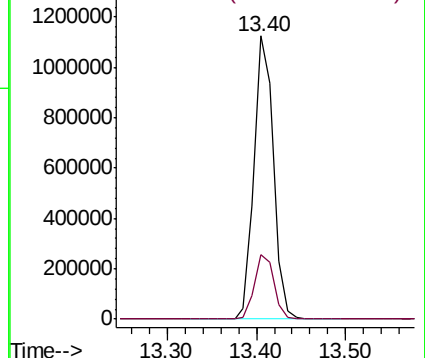
105 100

120 22.9 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 70.716 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Tgt Ion: 43 Resp: 528882

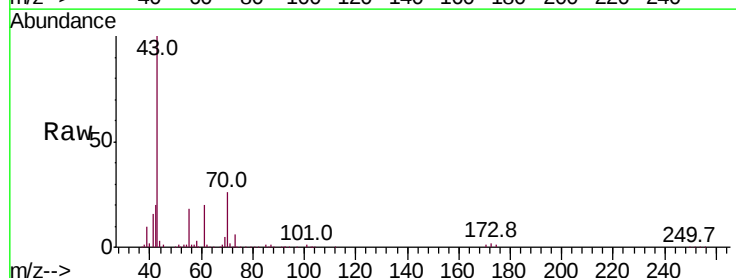
Ion Ratio Lower Upper

43 100

70 25.8 24.4 36.6

55 17.9 15.2 22.8

61 20.4 17.4 26.2

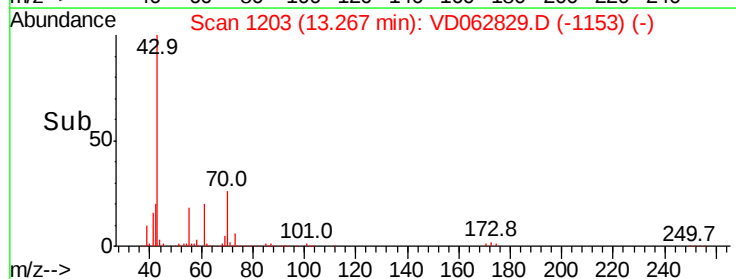
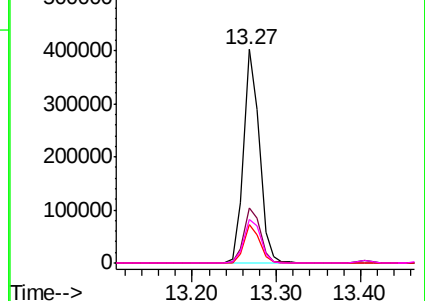


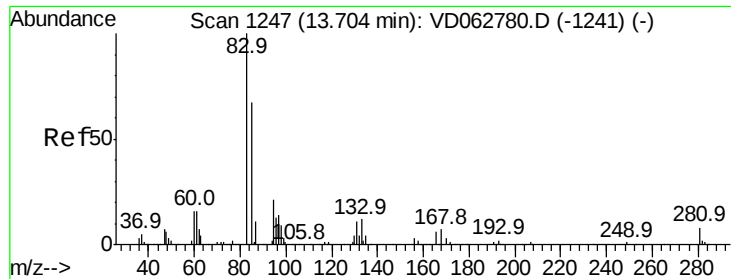
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 67.100 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

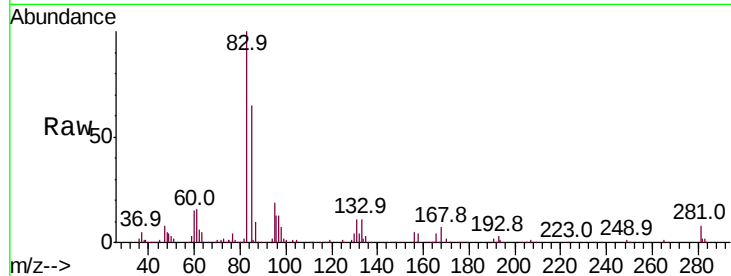
Tot Ion: 83 Resp: 336697

Ion Ratio Lower Upper

83 100

131 11.5 5.3 16.1

85 65.1 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

300000

250000

200000

150000

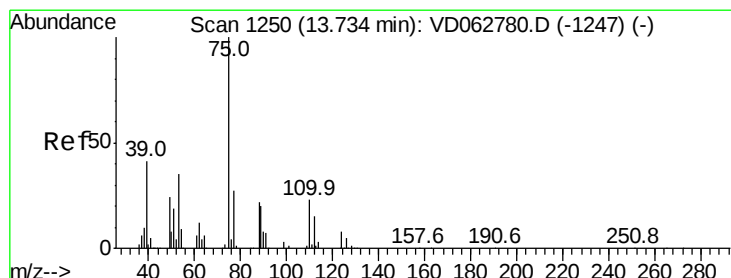
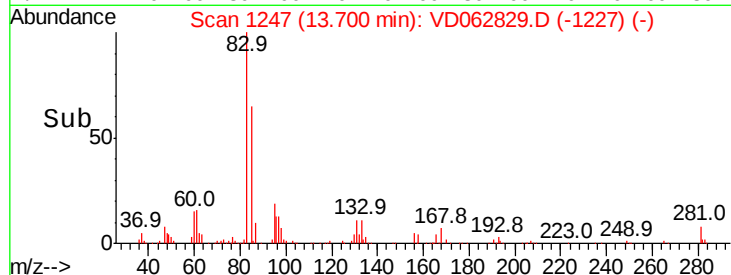
100000

50000

0

13.60 13.70 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 65.703 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062829.D

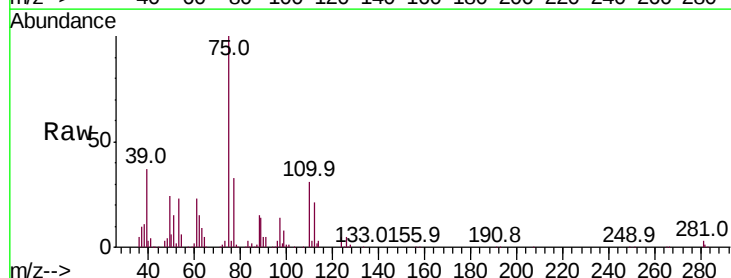
Acq: 21 Jun 2019 21:05

Tgt Ion: 75 Resp: 364316

Ion Ratio Lower Upper

75 100

77 33.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

500000

400000

300000

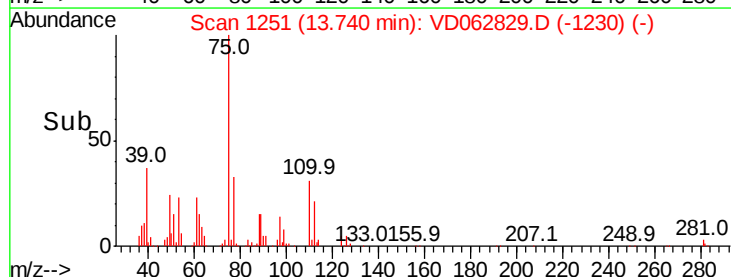
200000

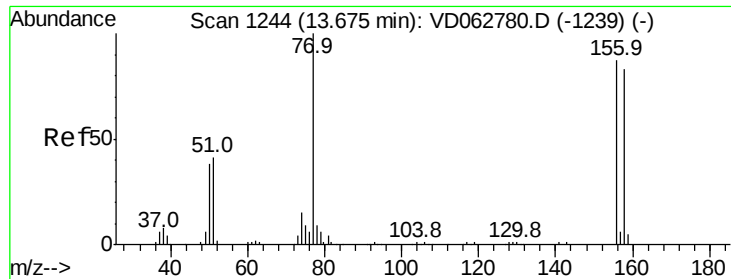
100000

0

13.70 13.75 13.80 13.85

Time-->





#77

Bromobenzene

Concen: 59.256 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

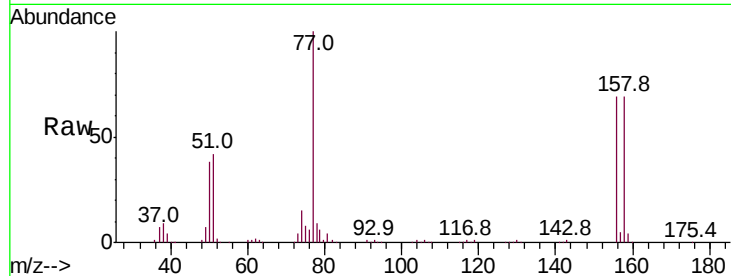
Tot Ion:156 Resp: 490841

Ion Ratio Lower Upper

156 100

77 144.4 57.7 173.1

158 99.8 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

600000

500000

400000

300000

200000

100000

0

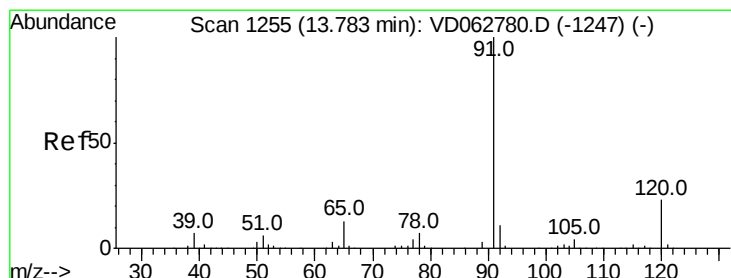
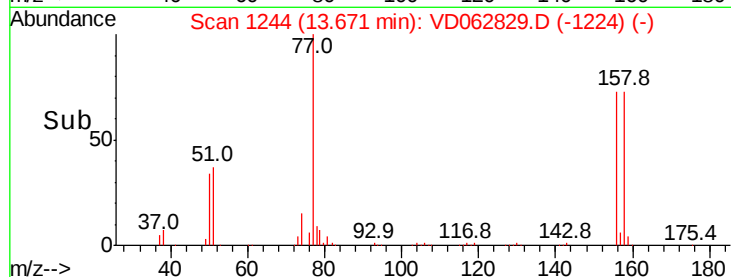
13.60

13.67

13.70

13.80

Time-->



#78

n-propylbenzene

Concen: 58.174 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062829.D

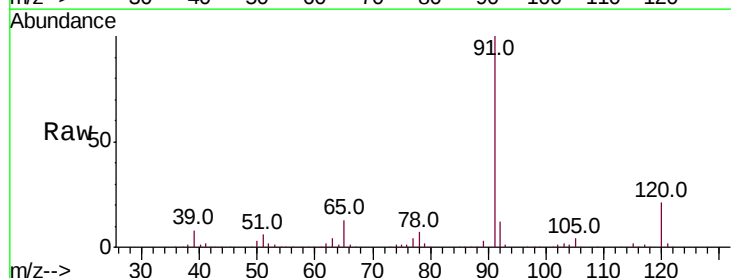
Acq: 21 Jun 2019 21:05

Tgt Ion: 91 Resp: 2085222

Ion Ratio Lower Upper

91 100

120 20.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

1500000

1000000

500000

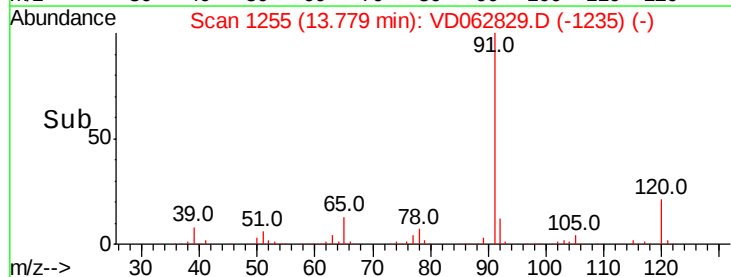
0

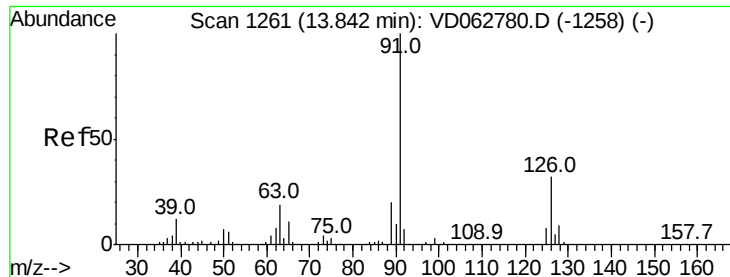
13.70

13.78

13.80

Time-->

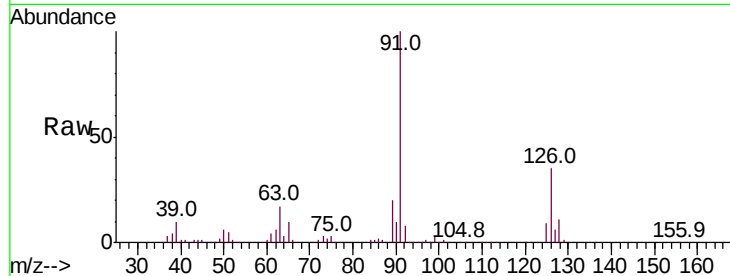




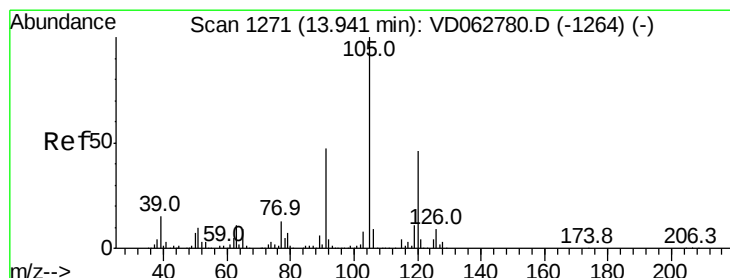
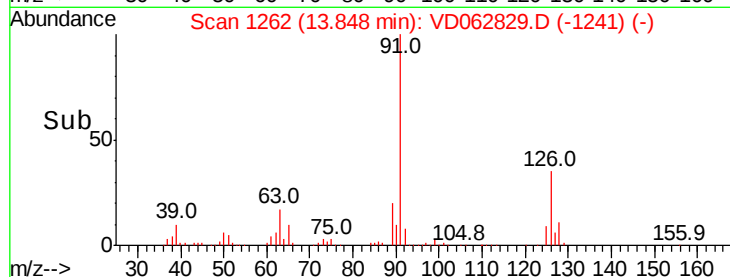
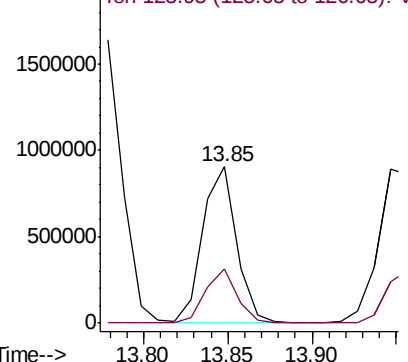
#79
2-Chlorotoluene
Concen: 61.277 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1255225
Ion Ratio Lower Upper
91 100
126 34.9 15.7 47.1

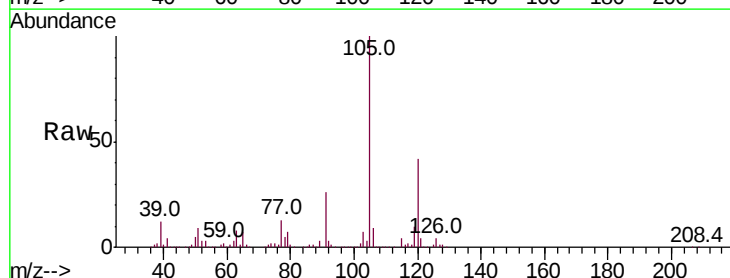


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

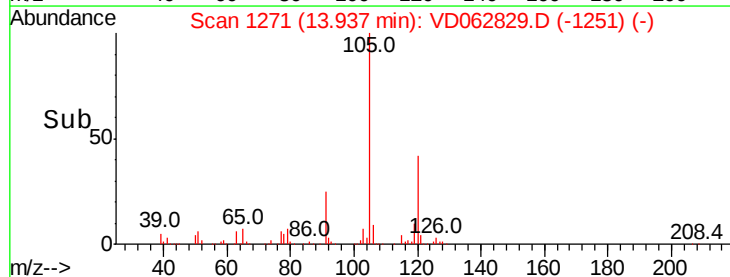
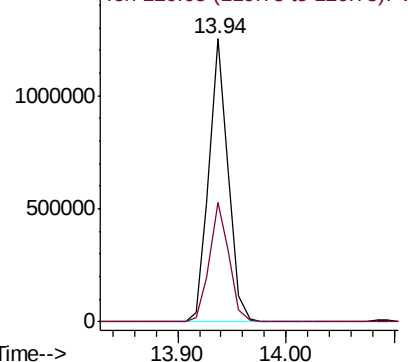


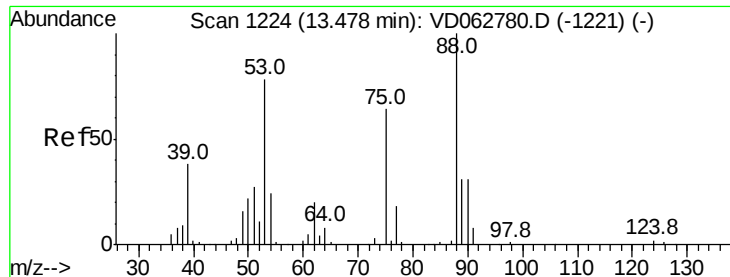
#80
1,3,5-Trimethylbenzene
Concen: 59.813 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:105 Resp: 1547256
Ion Ratio Lower Upper
105 100
120 42.4 23.1 69.2



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: 63.104 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

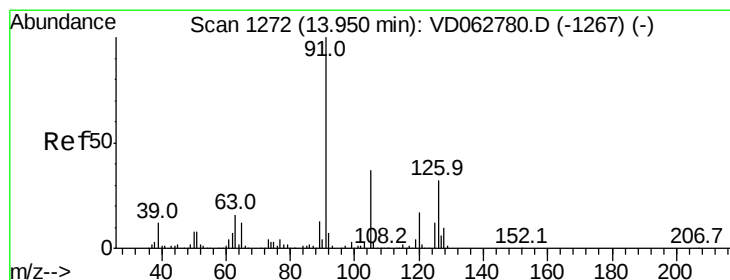
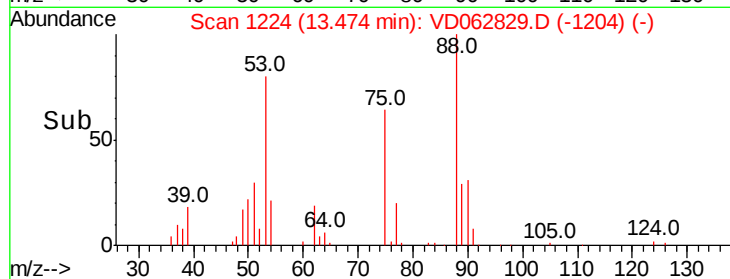
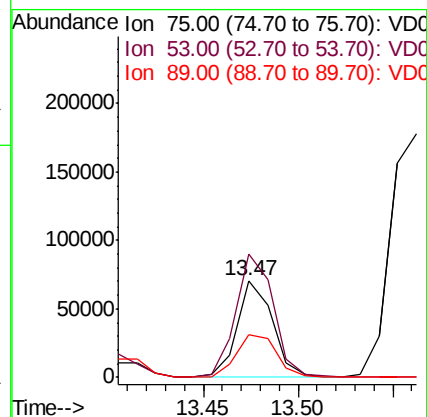
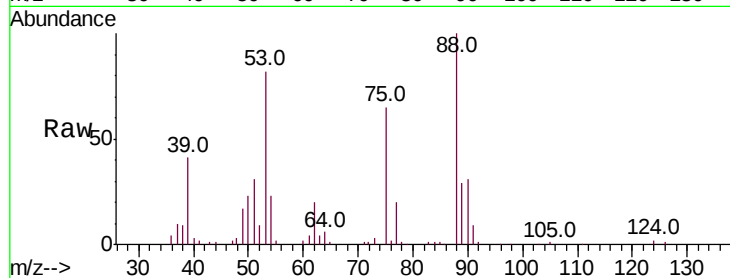
Tot Ion: 75 Resp: 91704

Ion Ratio Lower Upper

75 100

53 127.1 97.8 146.8

89 44.3 39.4 59.2



#82

4-Chlorotoluene

Concen: 58.043 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062829.D

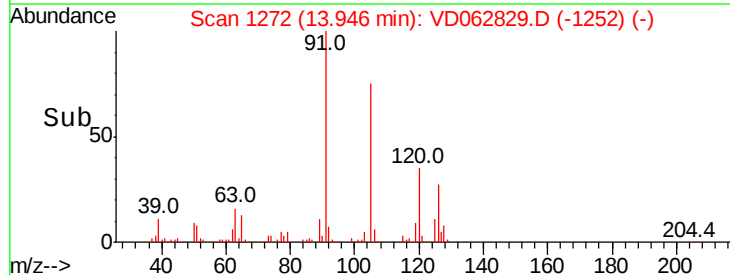
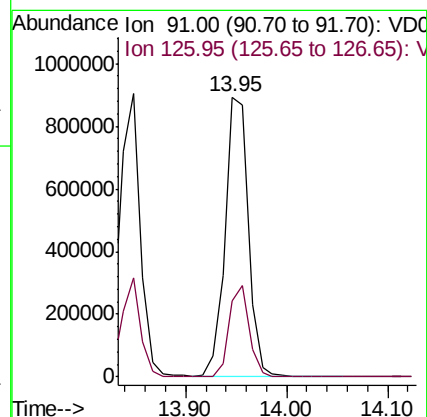
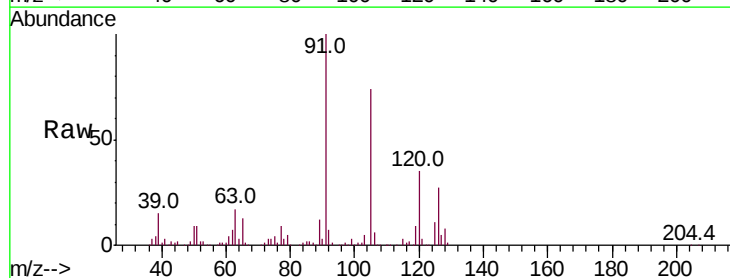
Acq: 21 Jun 2019 21:05

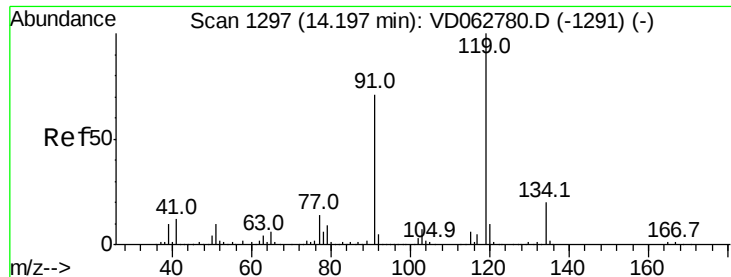
Tgt Ion: 91 Resp: 1431419

Ion Ratio Lower Upper

91 100

126 27.0 16.0 47.9

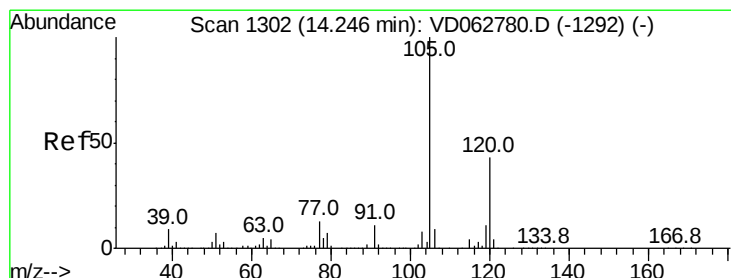
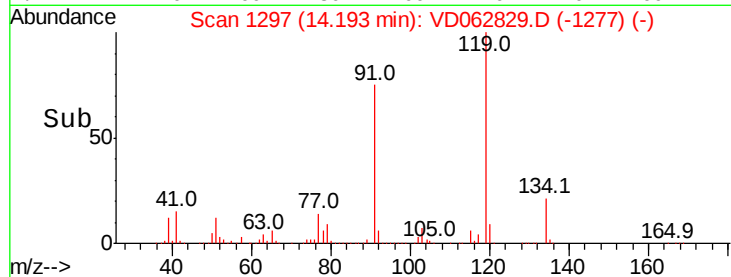
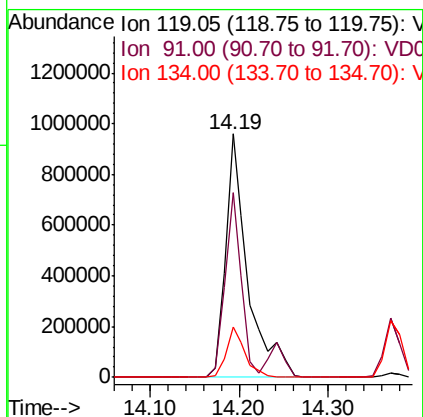
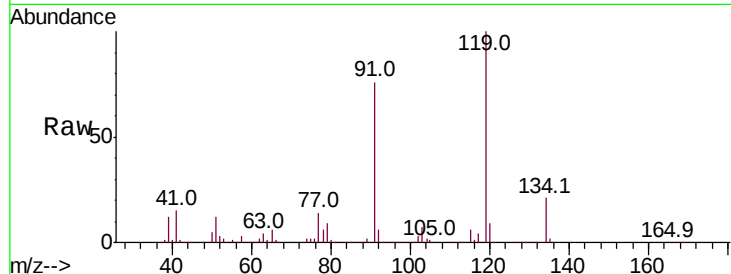




#83
tert-Butylbenzene
Concen: 58.218 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

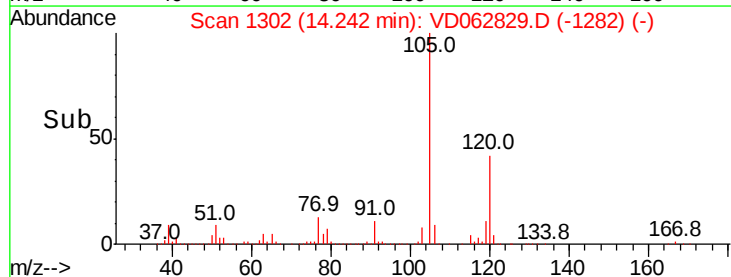
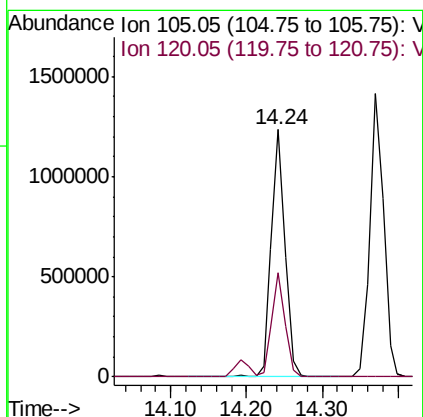
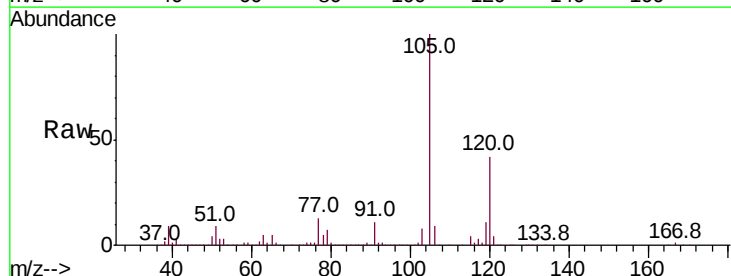
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

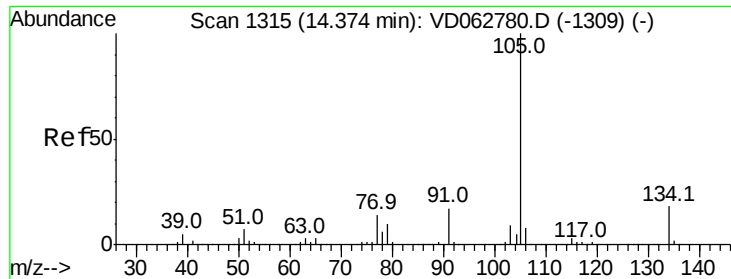
Tot Ion:119 Resp: 1678648
Ion Ratio Lower Upper
119 100
91 75.7 35.5 106.5
134 20.6 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 58.905 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062829.D
Acq: 21 Jun 2019 21:05

Tgt Ion:105 Resp: 1561795
Ion Ratio Lower Upper
105 100
120 41.9 21.3 63.9

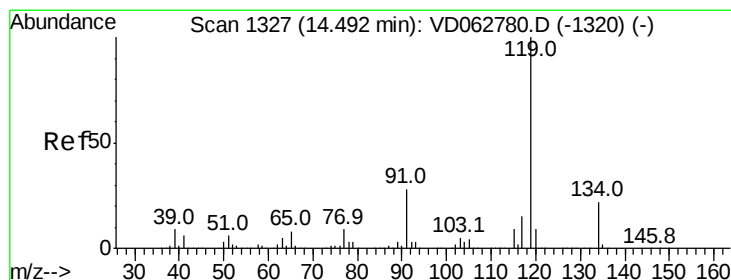
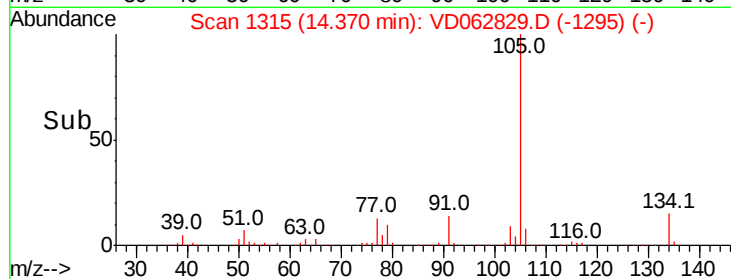
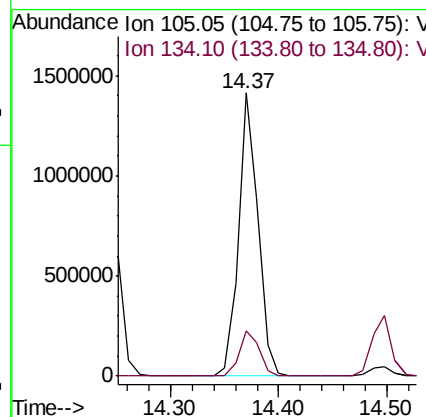
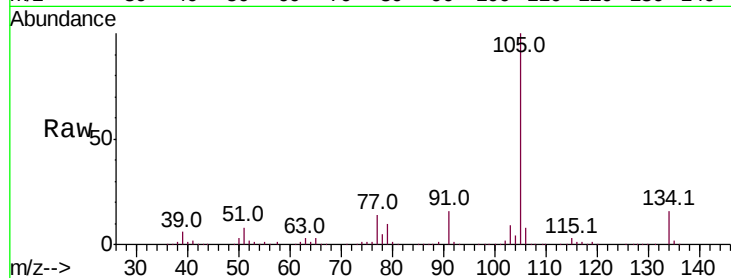




#85
 sec-Butylbenzene
 Concen: 56.214 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

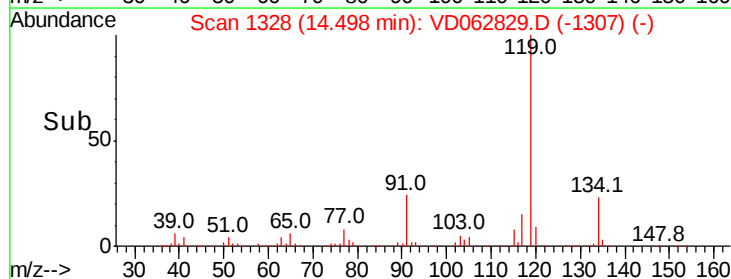
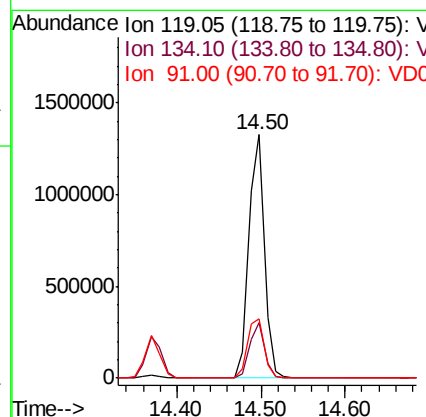
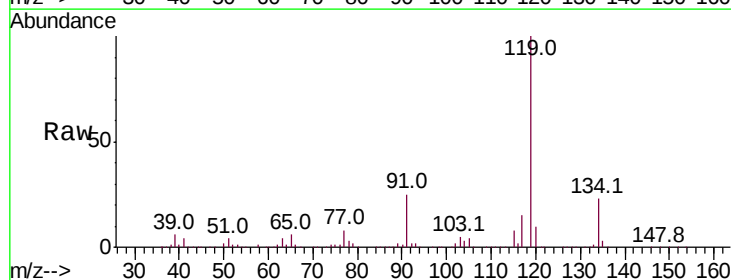
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

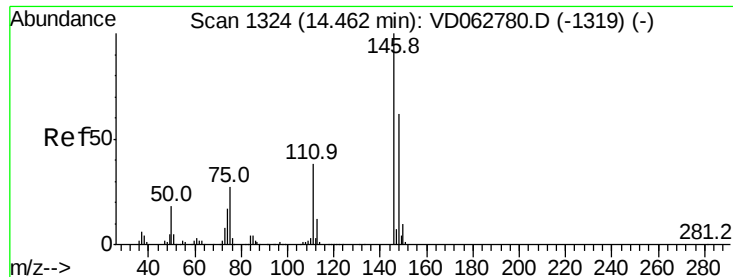
Tot Ion:105 Resp: 1761674
 Ion Ratio Lower Upper
 105 100
 134 15.9 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 59.519 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion:119 Resp: 1706408
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.1 33.1
 91 24.5 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 60.204 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

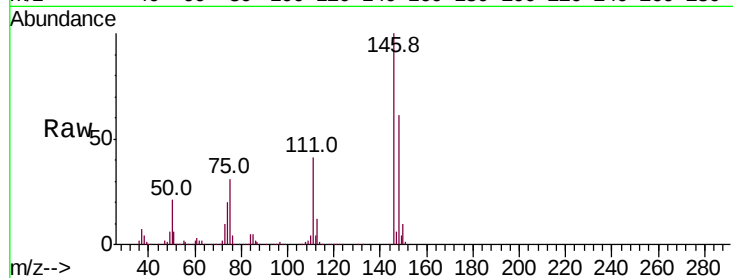
Tot Ion:146 Resp: 893948

Ion Ratio Lower Upper

146 100

111 40.9 19.0 57.0

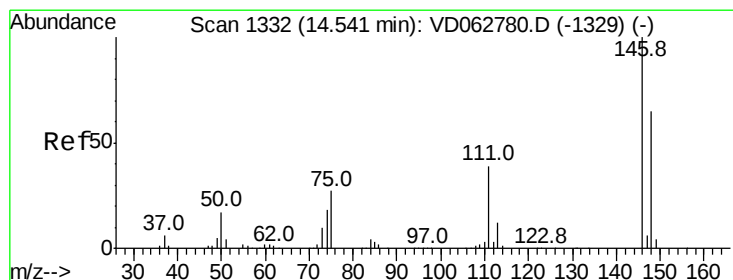
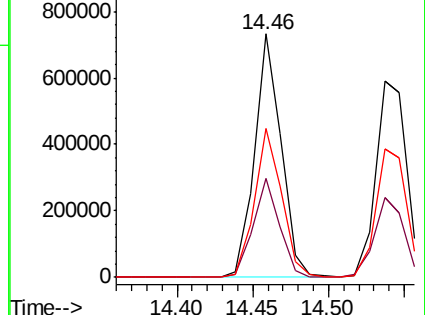
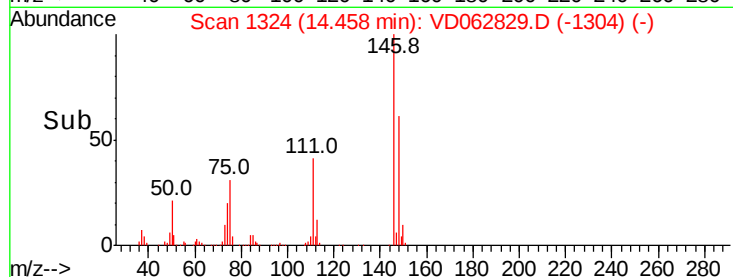
148 61.3 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 56.305 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

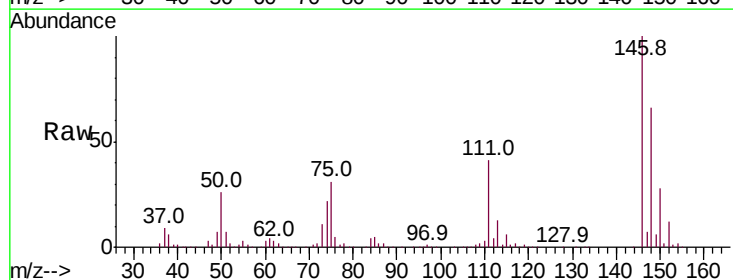
Tgt Ion:146 Resp: 839736

Ion Ratio Lower Upper

146 100

111 40.6 19.7 59.1

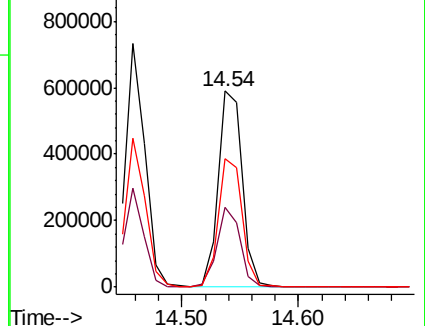
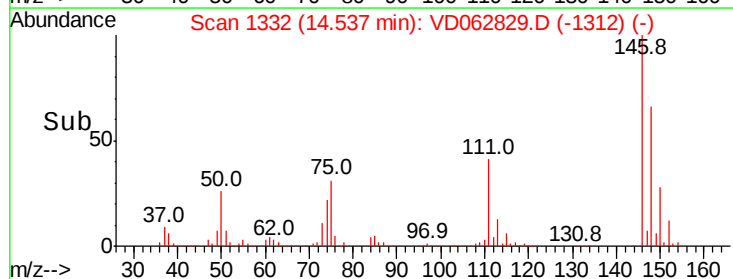
148 65.8 32.8 98.3

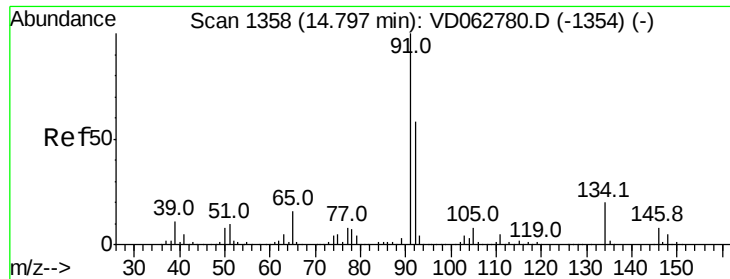


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.034 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

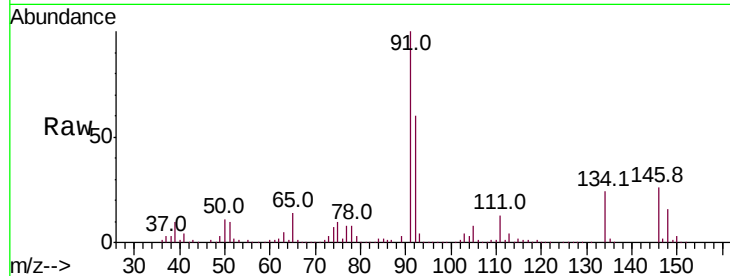
Tot Ion: 91 Resp: 1396259

Ion	Ratio	Lower	Upper
91	100		
92	60.0	28.9	86.7
134	23.9	10.1	30.3

91 100

92 60.0 28.9 86.7

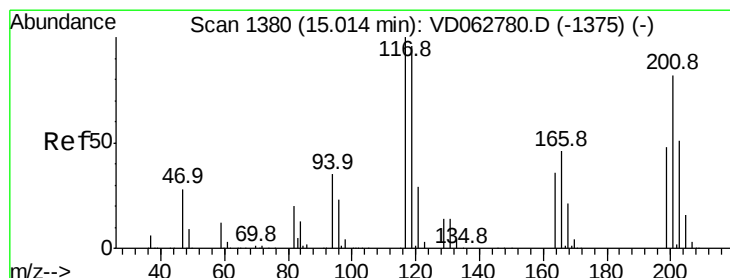
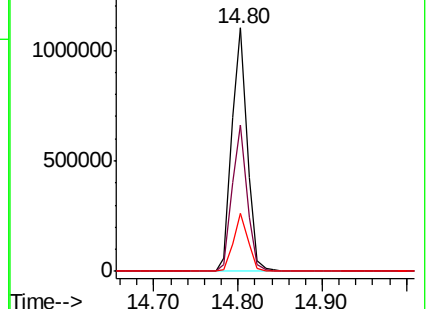
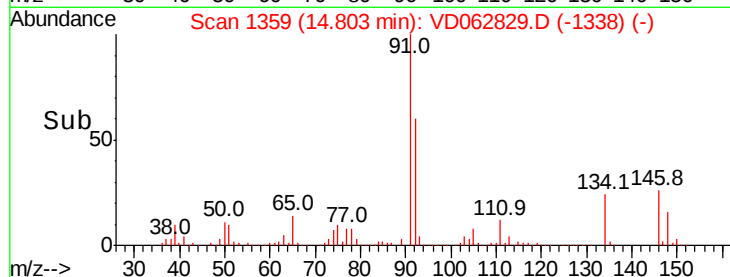
134 23.9 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 59.784 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062829.D

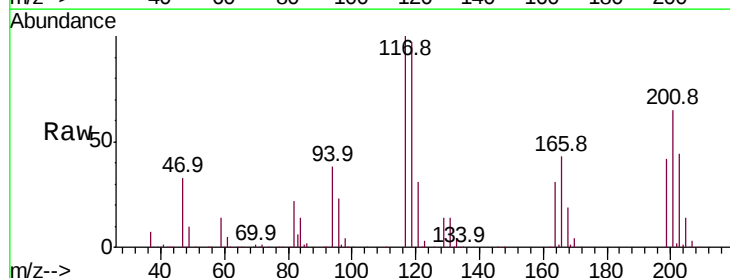
Acq: 21 Jun 2019 21:05

Tgt Ion: 117 Resp: 460842

Ion	Ratio	Lower	Upper
117	100		
201	65.1	40.8	122.2

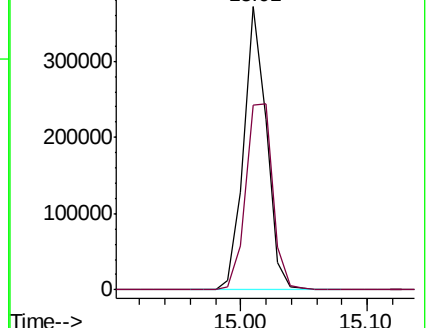
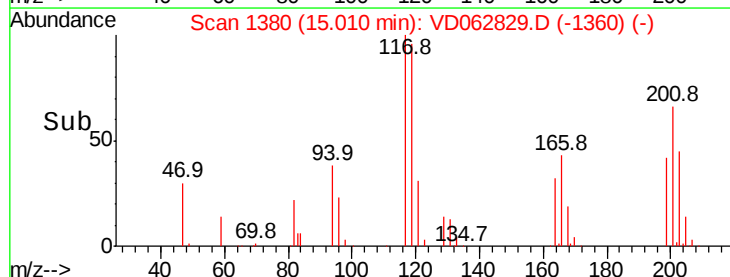
117 100

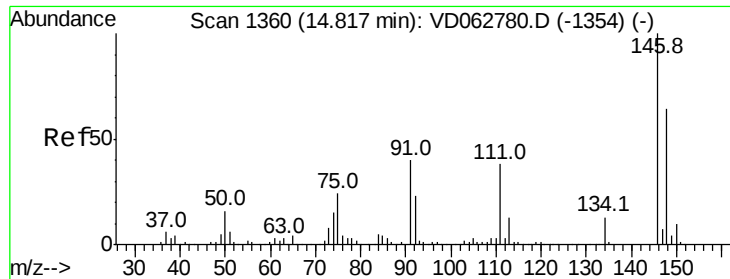
201 65.1 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

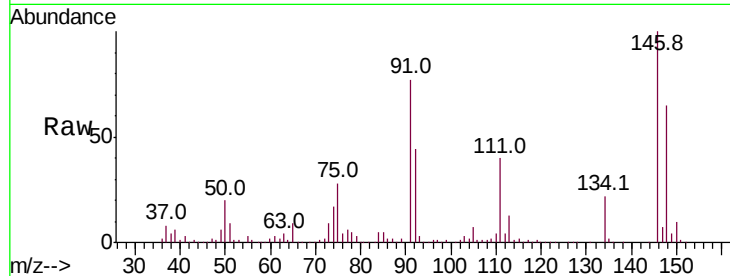




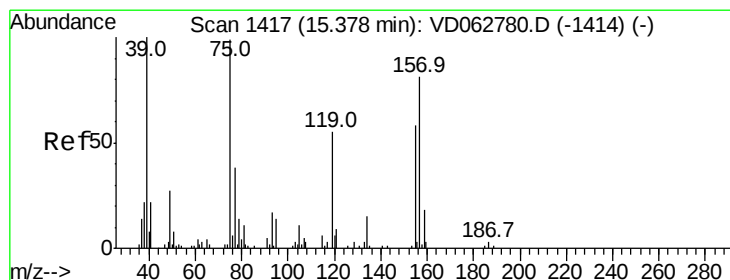
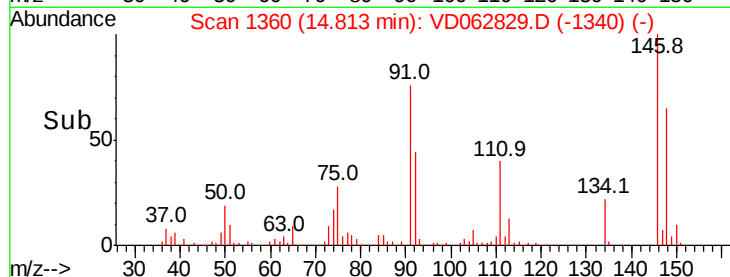
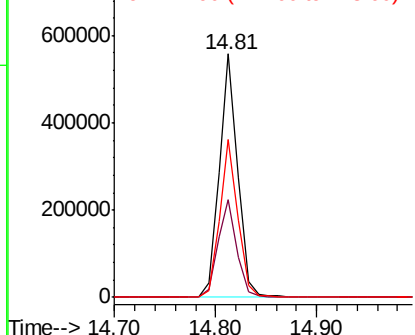
#91
 1,2-Dichlorobenzene
 Concen: 56.274 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 714916
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.1
 148 65.0 32.3 96.8

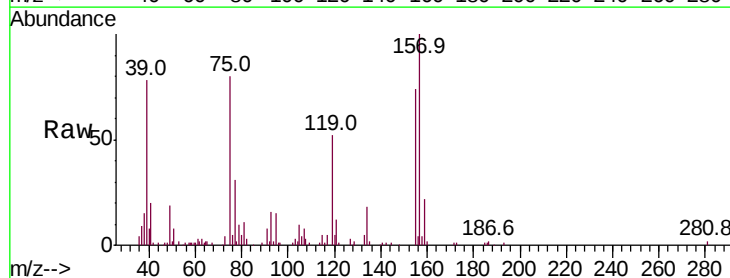


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

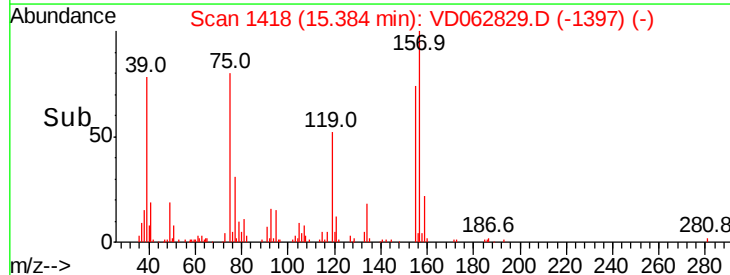
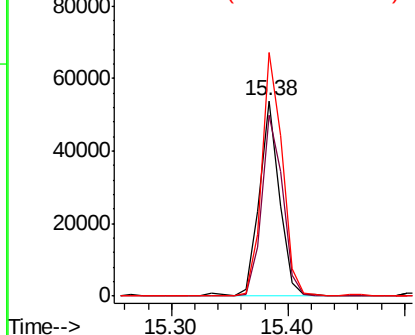


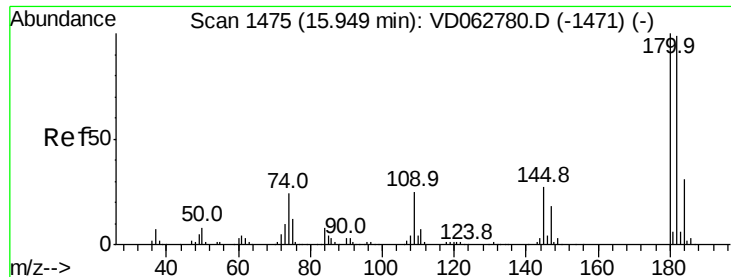
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.008 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion: 75 Resp: 64647
 Ion Ratio Lower Upper
 75 100
 155 92.7 29.3 87.8#
 157 124.7 41.3 123.7#



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

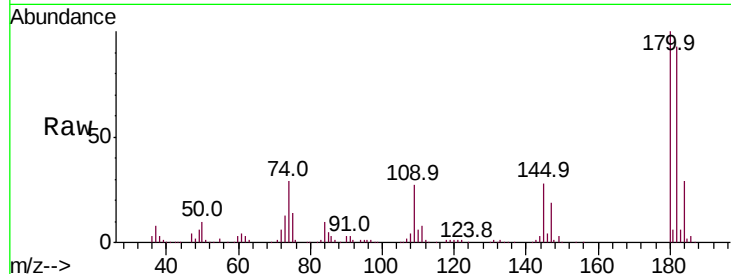




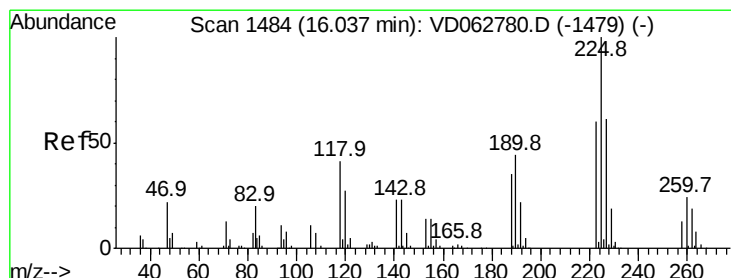
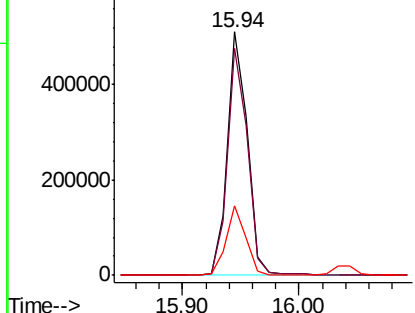
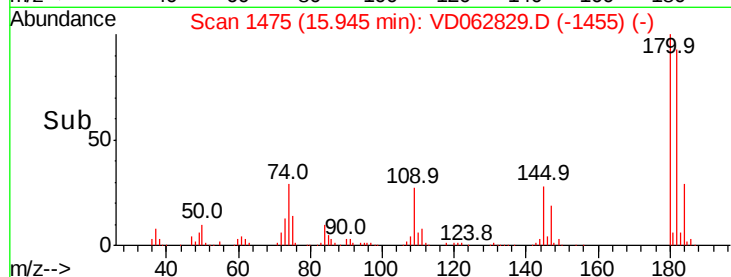
#93
 1,2,4-Trichlorobenzene
 Concen: 61.510 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 610424
 Ion Ratio Lower Upper
 180 100
 182 93.3 49.5 148.5
 145 28.5 13.7 41.0

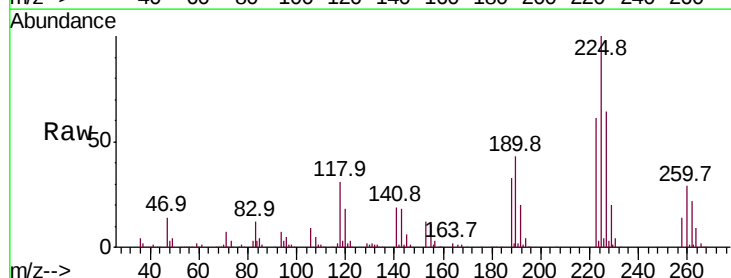


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

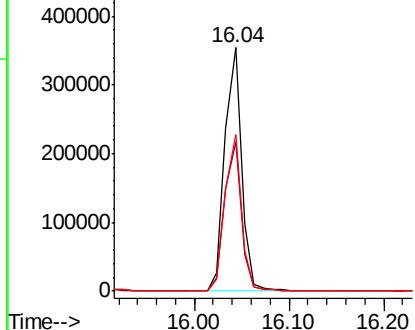
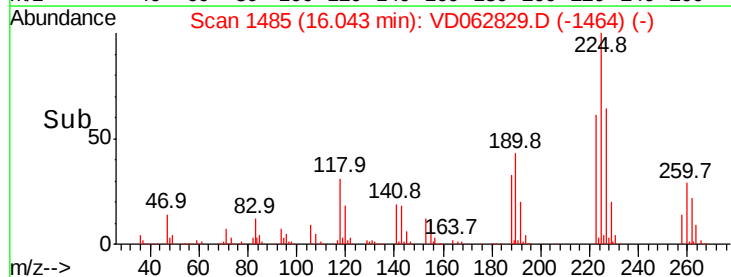


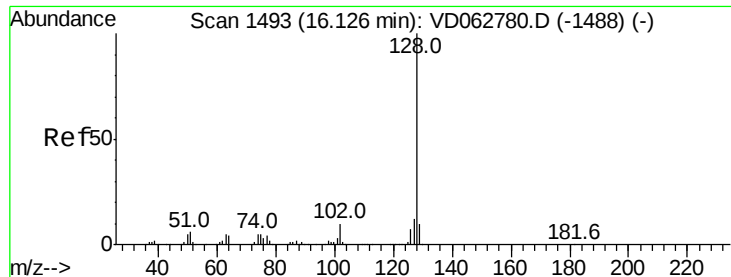
#94
 Hexachlorobutadiene
 Concen: 57.779 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062829.D
 Acq: 21 Jun 2019 21:05

Tgt Ion:225 Resp: 438053
 Ion Ratio Lower Upper
 225 100
 223 61.4 29.8 89.5
 227 64.5 30.6 91.6



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: 62.374 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

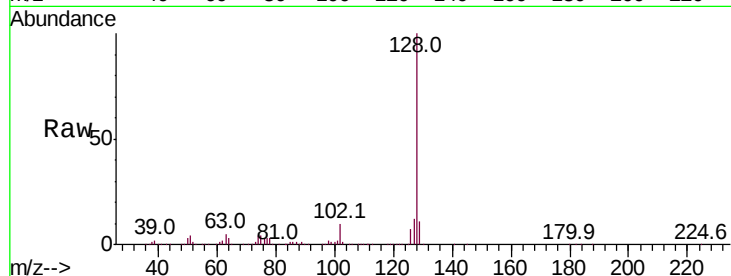
Tot Ion:128 Resp: 867592

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

129 11.1 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

16.13

800000

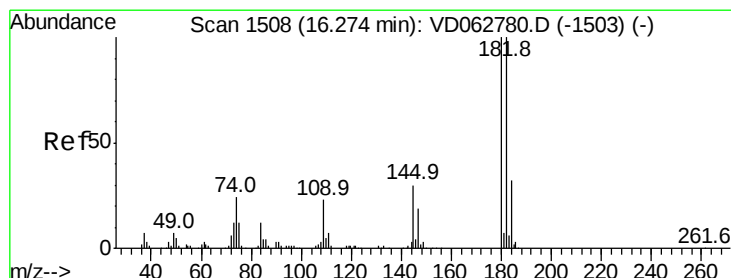
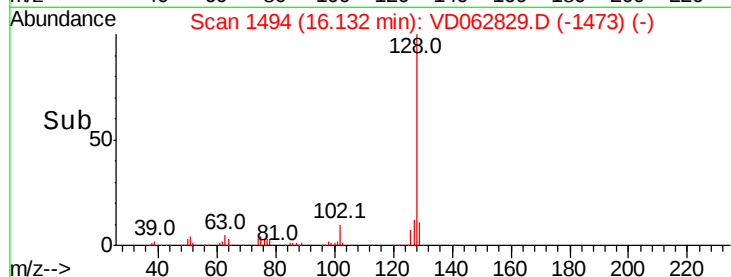
600000

400000

200000

0

Time--> 16.00 16.10 16.20 16.30



#96

1,2,3-Trichlorobenzene

Concen: 61.198 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062829.D

Acq: 21 Jun 2019 21:05

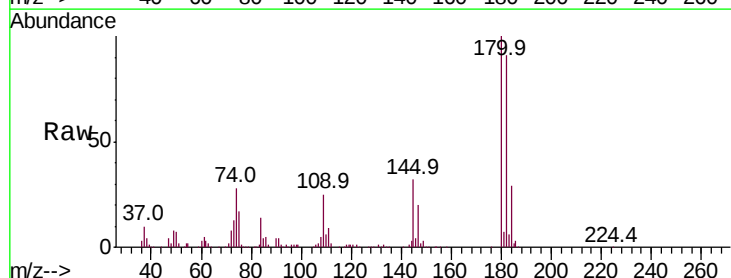
Tgt Ion:180 Resp: 466638

Ion Ratio Lower Upper

180 100

182 91.2 49.9 149.6

145 32.1 15.2 45.5



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

16.27

400000

300000

200000

100000

0

Time--> 16.20 16.30

