

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062853.D
 Acq On : 24 Jun 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 25 05:06:13 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	875240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1143248	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1010762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	532864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	520012	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	6.93	113	532877	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	10.42	98	1184787	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
62) 4-Bromofluorobenzene	13.56	95	532746	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	467289	41.258	ug/l	95
3) Chloromethane	1.75	50	356081	41.804	ug/l	98
4) Vinyl Chloride	1.85	62	342808	40.591	ug/l	98
5) Bromomethane	2.15	94	156169	39.486	ug/l	93
6) Chloroethane	2.26	64	196391	51.364	ug/l	98
7) Trichlorofluoromethane	2.53	101	774543	45.317	ug/l	95
8) Diethyl Ether	2.87	74	132480	61.005	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	426369	46.047	ug/l	94
10) Methyl Iodide	3.30	142	569201	46.595	ug/l	94
11) Tert butyl alcohol	4.08	59	123539	285.112	ug/l	99
12) 1,1-Dichloroethene	3.12	96	307008	44.198	ug/l	90
13) Acrolein	3.04	56	122966	277.985	ug/l	97
14) Allyl chloride	3.62	41	511922	49.877	ug/l	97
15) Acrylonitrile	4.20	53	322269	316.528	ug/l	94
16) Acetone	3.23	43	547864	284.948	ug/l	97
17) Carbon Disulfide	3.37	76	1011356	45.557	ug/l	98
18) Methyl Acetate	3.64	43	191094	66.538	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	903286	60.070	ug/l	99
20) Methylene Chloride	3.82	84	369772	50.964	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	372894	50.417	ug/l	96
22) Diisopropyl ether	5.13	45	1205814	57.769	ug/l	97
23) Vinyl Acetate	5.07	43	3806089	291.407	ug/l	99
24) 1,1-Dichloroethane	4.99	63	717406	52.790	ug/l	99
25) 2-Butanone	6.08	43	580296	326.127	ug/l	95
26) 2,2-Dichloropropane	6.03	77	698060	48.461	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	424419	54.264	ug/l	90
28) Bromochloromethane	6.45	49	266125	55.601	ug/l	96
29) Tetrahydrofuran	6.46	42	268334	318.731	ug/l	97
30) Chloroform	6.67	83	878470	53.152	ug/l	95
31) Cyclohexane	6.96	56	440726	49.331	ug/l	88
32) 1,1,1-Trichloroethane	6.88	97	846408	49.168	ug/l	93
36) 1,1-Dichloropropene	7.15	75	543200	50.192	ug/l	96
37) Ethyl Acetate	6.19	43	269819	59.561	ug/l	98
38) Carbon Tetrachloride	7.12	117	871508	53.544	ug/l	99

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 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)
39) Methylcyclohexane	8.88	83	480859	50.477	ug/l	95
40) Benzene	7.46	78	1218217	56.077	ug/l	98
41) Methacrylonitrile	6.45	41	362918	63.588	ug/l	95
42) 1,2-Dichloroethane	7.59	62	690288	58.247	ug/l	99
43) Isopropyl Acetate	9.25	43	385289	67.906	ug/l #	100
44) Trichloroethene	8.55	130	443237	52.043	ug/l	96
45) 1,2-Dichloropropane	8.95	63	298471	55.254	ug/l	100
46) Dibromomethane	9.07	93	255687	55.102	ug/l	90
47) Bromodichloromethane	9.38	83	669762	55.577	ug/l	98
48) Methyl methacrylate	9.13	41	250421	62.108	ug/l	95
49) 1,4-Dioxane	9.09	88	49292	1469.432	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	1279219	317.998	ug/l	100
52) Toluene	10.52	92	806678	55.241	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	586648	59.475	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	604992	56.430	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	303105	60.415	ug/l	92
56) Ethyl methacrylate	11.05	69	356965	66.578	ug/l	96
57) 1,3-Dichloropropane	11.42	76	430394	56.027	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	893611	324.646	ug/l	97
59) 2-Hexanone	11.54	43	943535	329.338	ug/l	99
60) Dibromochloromethane	11.69	129	530028	56.719	ug/l	97
61) 1,2-Dibromoethane	11.81	107	362250	61.136	ug/l	98
64) Tetrachloroethene	11.27	164	447203	53.758	ug/l	95
65) Chlorobenzene	12.41	112	1046699	55.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	473487	53.973	ug/l	94
67) Ethyl Benzene	12.53	91	1714834	50.917	ug/l	99
68) m/p-Xylenes	12.68	106	1224257	104.369	ug/l	90
69) o-Xylene	13.06	106	586762	54.719	ug/l	95
70) Styrene	13.08	104	1045710	55.520	ug/l	95
71) Bromoform	13.24	173	351400	58.464	ug/l #	98
73) Isopropylbenzene	13.41	105	1666648	48.781	ug/l	99
74) N-amyl acetate	13.28	43	538619	64.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	334812	60.144	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	369484	60.064	ug/l	99
77) Bromobenzene	13.68	156	520130	56.599	ug/l	92
78) n-propylbenzene	13.78	91	1957142	49.216	ug/l	95
79) 2-Chlorotoluene	13.85	91	1188047	52.278	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1518409	52.909	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	95601	59.298	ug/l	96
82) 4-Chlorotoluene	13.96	91	1419276	51.875	ug/l	99
83) tert-Butylbenzene	14.19	119	1588664	49.663	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1472104	50.047	ug/l	97
85) sec-Butylbenzene	14.37	105	1803734	51.880	ug/l	93
86) p-Isopropyltoluene	14.50	119	1638548	51.516	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	863646	52.427	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	837815	50.636	ug/l	96
89) n-Butylbenzene	14.80	91	1503746	50.512	ug/l	96
90) Hexachloroethane	15.01	117	458644	53.631	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	808534	57.367	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73033	67.216	ug/l	87

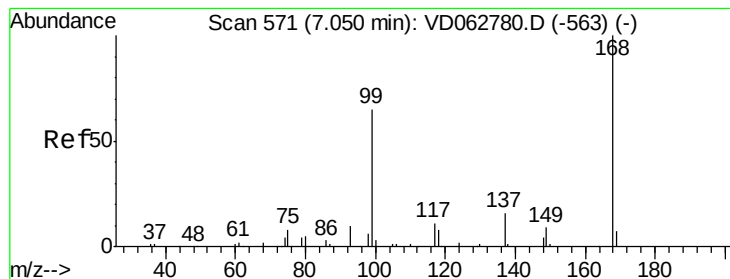
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	613049	55.682	ug/l	99
94) Hexachlorobutadiene	16.04	225	412739	49.071	ug/l	95
95) Naphthalene	16.13	128	977581	63.350	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	480370	56.786	ug/l	97

(#) = 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: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

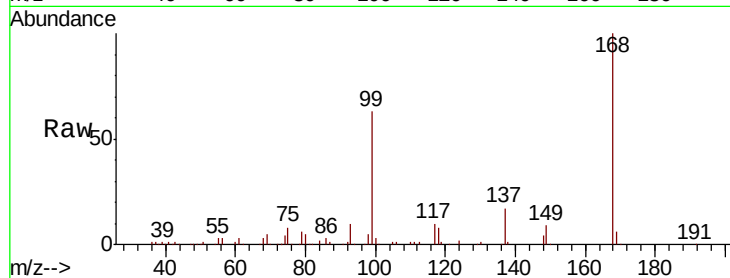
VSTDCCC050EC

Tot Ion:168 Resp: 875240

Ion Ratio Lower Upper

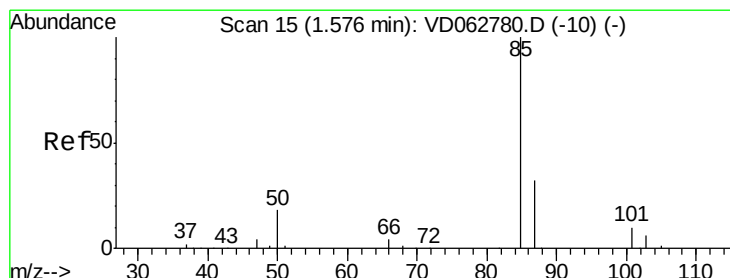
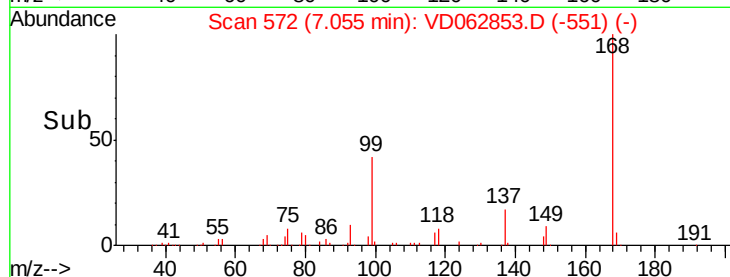
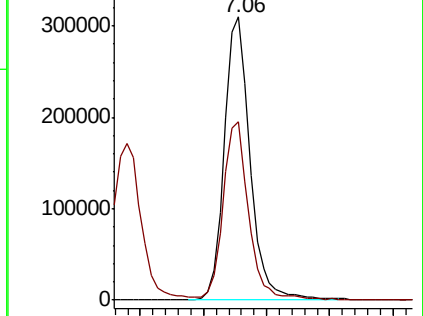
168 100

99 63.1 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: 41.258 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062853.D

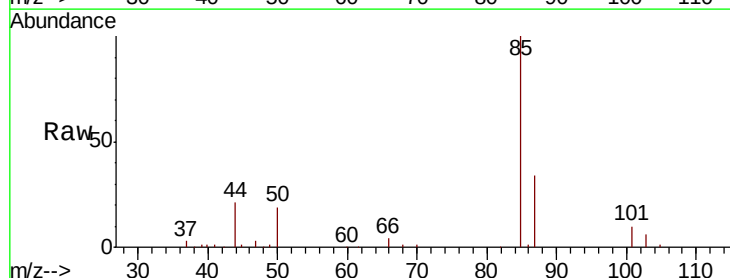
Acq: 24 Jun 2019 21:04

Tgt Ion: 85 Resp: 467289

Ion Ratio Lower Upper

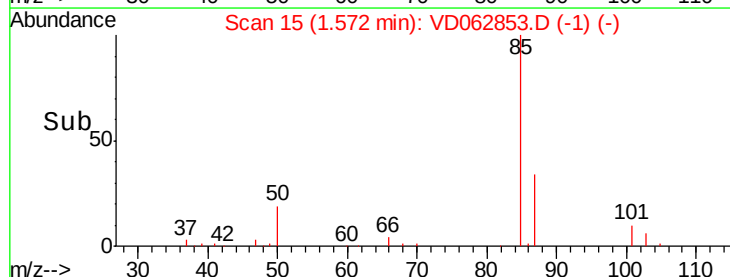
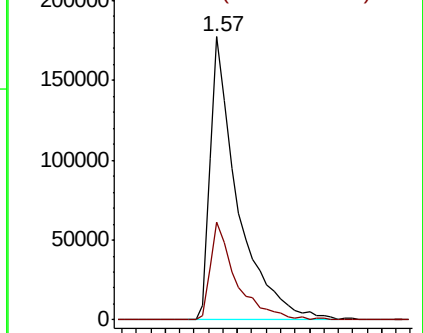
85 100

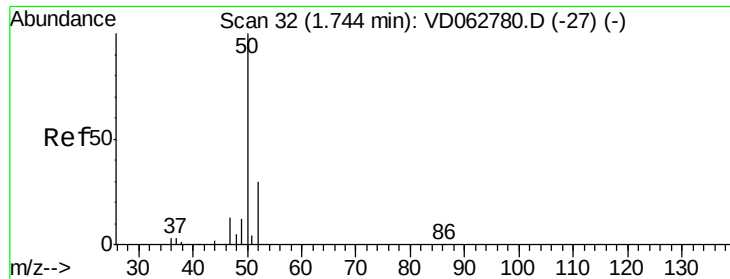
87 34.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.804 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

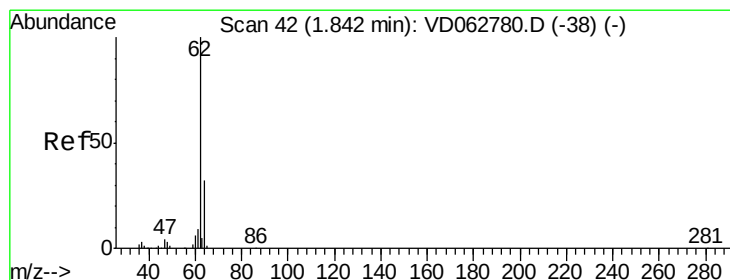
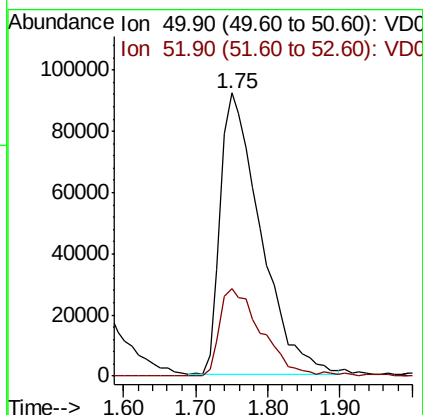
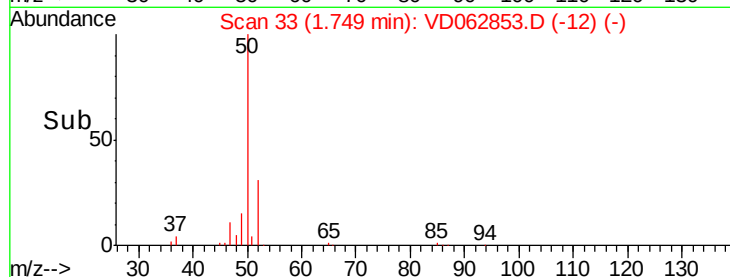
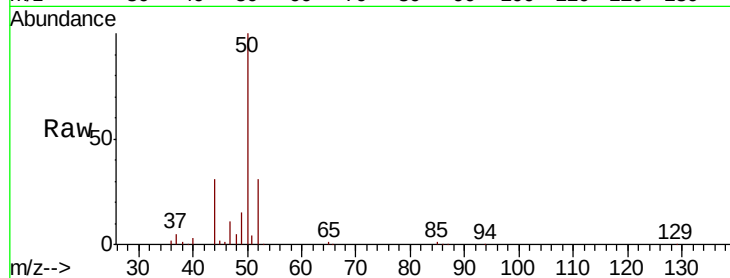
VSTDCCC050EC

Tot Ion: 50 Resp: 356081

Ion Ratio Lower Upper

50 100

52 30.7 23.6 35.4



#4

Vinyl Chloride

Concen: 40.591 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062853.D

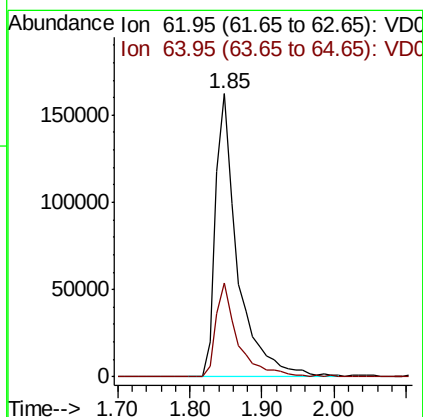
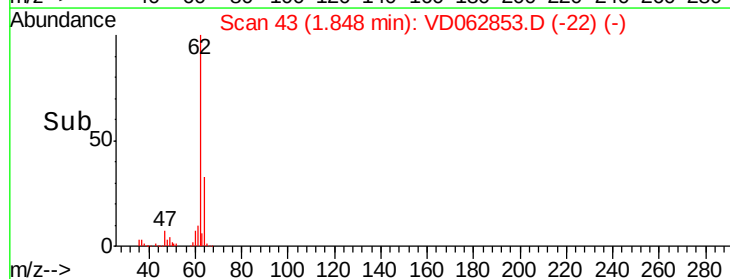
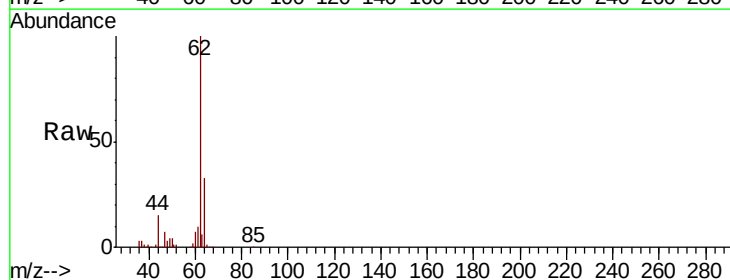
Acq: 24 Jun 2019 21:04

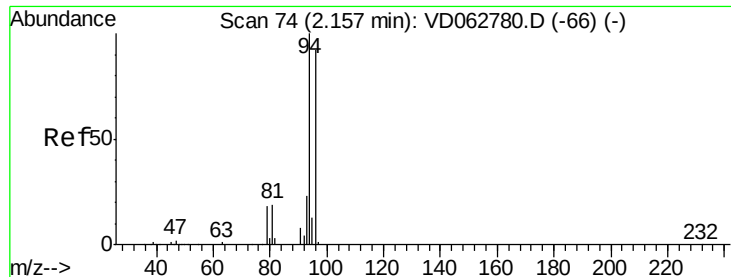
Tgt Ion: 62 Resp: 342808

Ion Ratio Lower Upper

62 100

64 33.1 25.6 38.4





#5

Bromomethane

Concen: 39.486 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

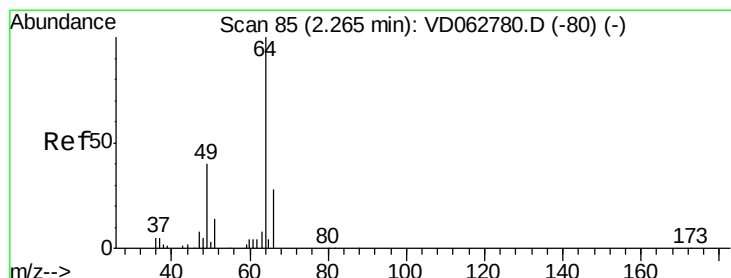
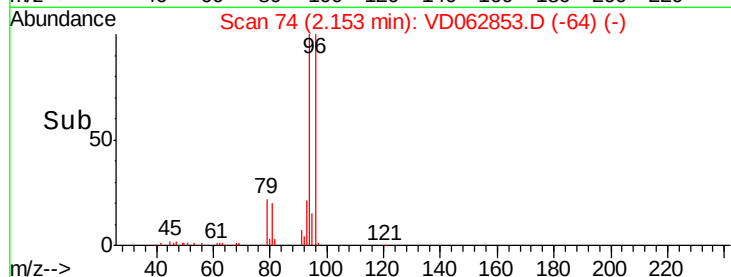
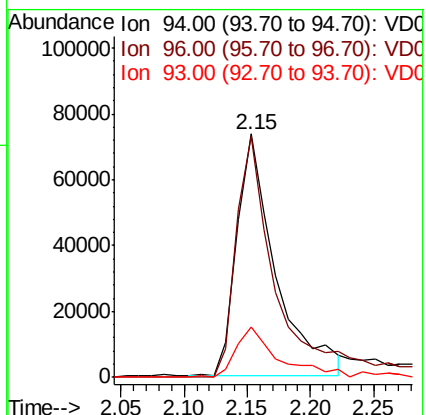
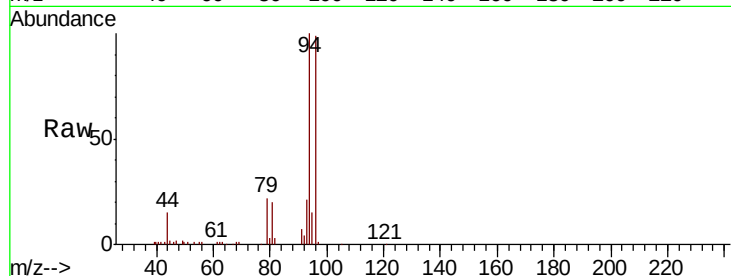
Tot Ion: 94 Resp: 156169

Ion Ratio Lower Upper

94 100

96 99.0 73.4 110.2

93 20.6 18.2 27.4



#6

Chloroethane

Concen: 51.364 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062853.D

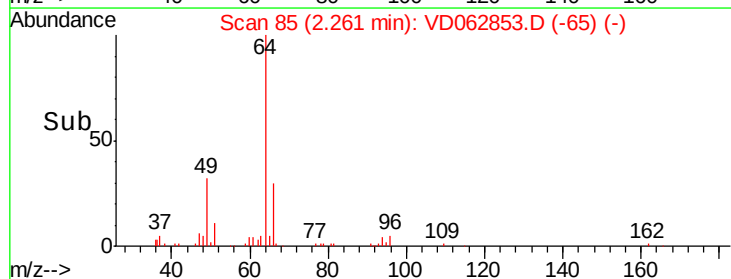
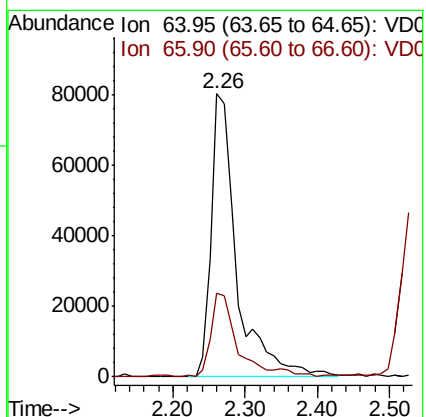
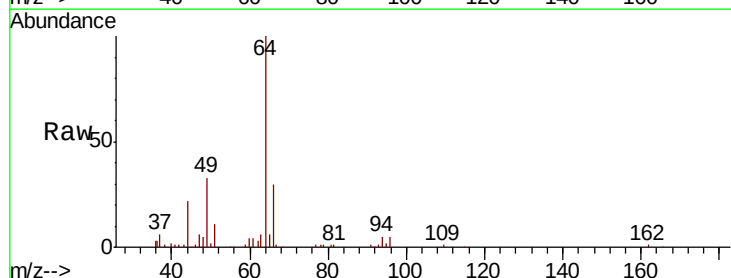
Acq: 24 Jun 2019 21:04

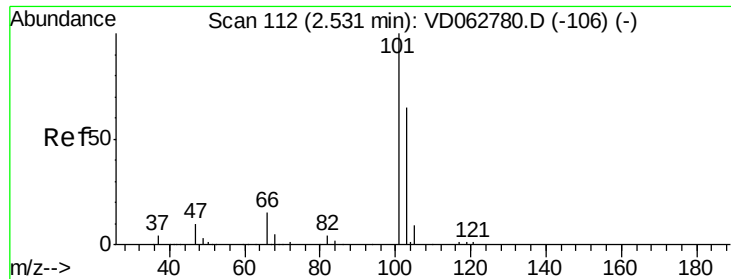
Tgt Ion: 64 Resp: 196391

Ion Ratio Lower Upper

64 100

66 29.6 23.0 34.4



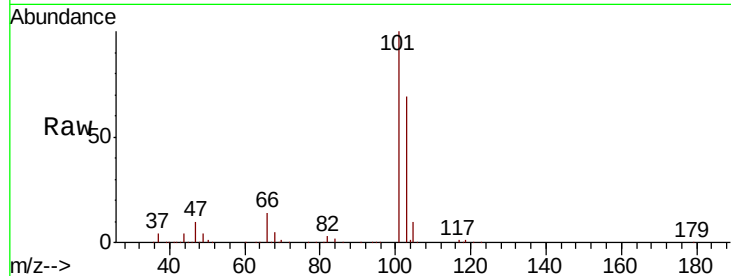


#7

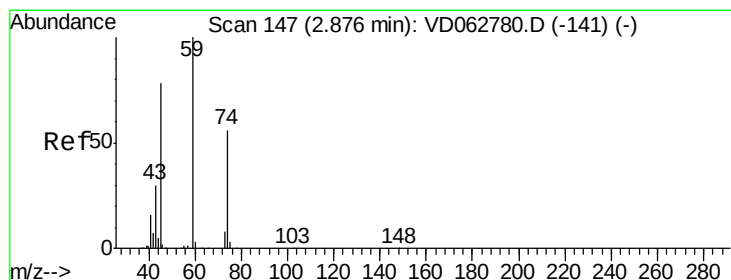
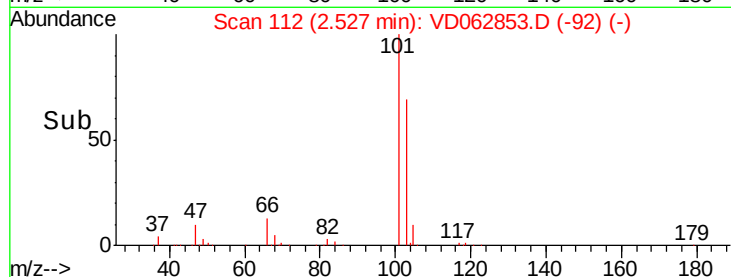
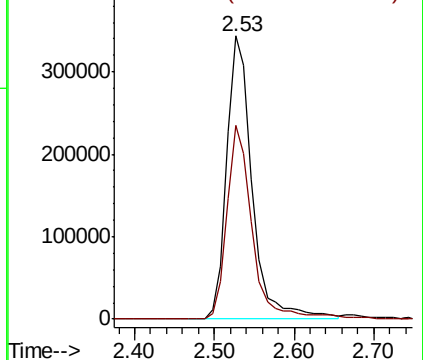
Trichlorofluoromethane
 Concen: 45.317 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 774543
 Ion Ratio Lower Upper
 101 100
 103 68.6 51.8 77.8



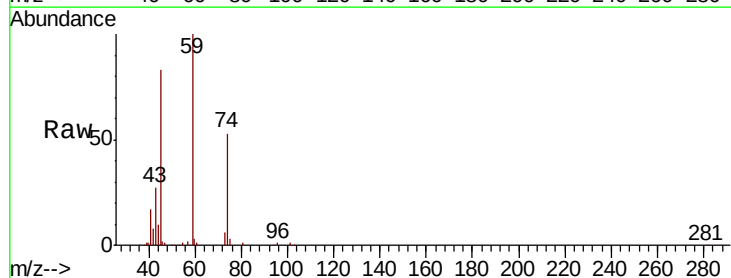
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



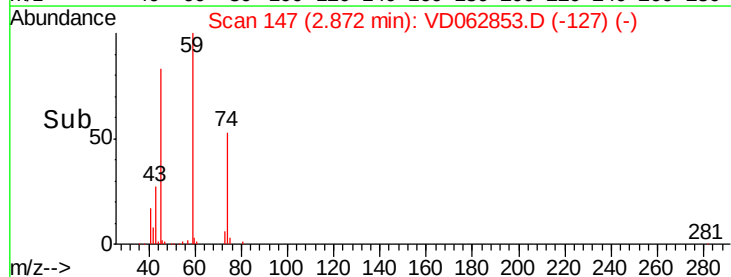
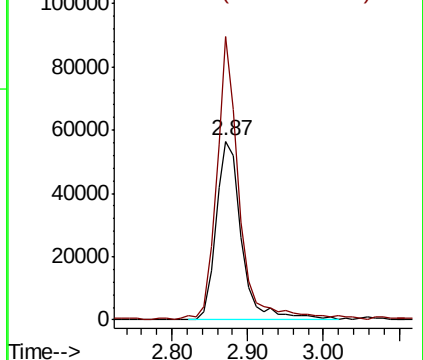
#8

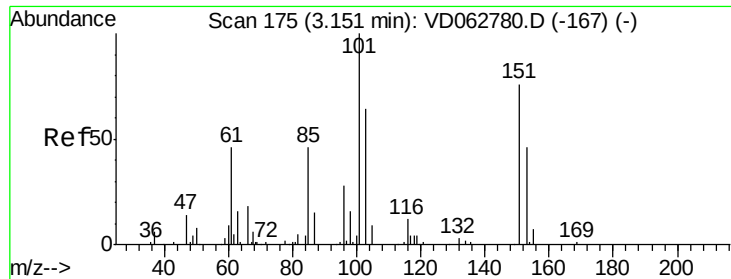
Diethyl Ether
 Concen: 61.005 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 74 Resp: 132480
 Ion Ratio Lower Upper
 74 100
 45 158.4 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.047 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

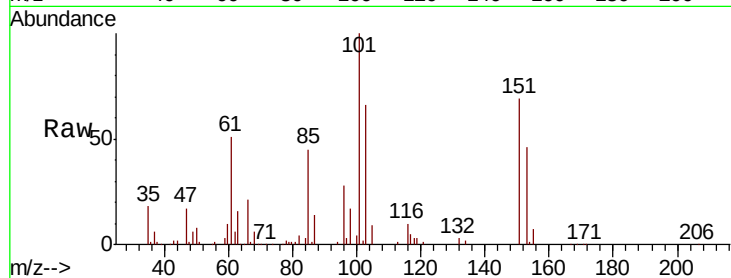
Tot Ion:101 Resp: 426369

Ion Ratio Lower Upper

101 100

85 45.1 37.0 55.4

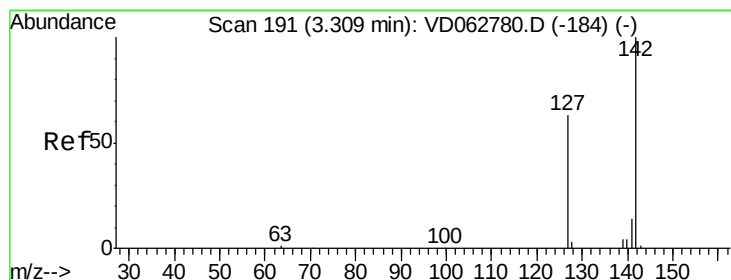
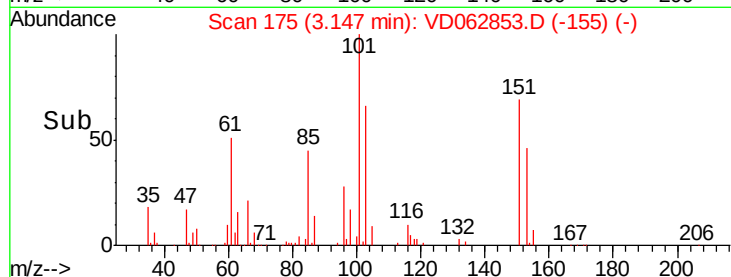
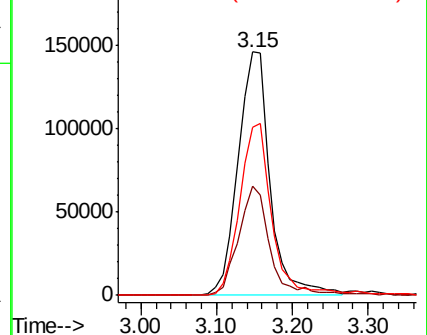
151 68.8 60.5 90.7



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: 46.595 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

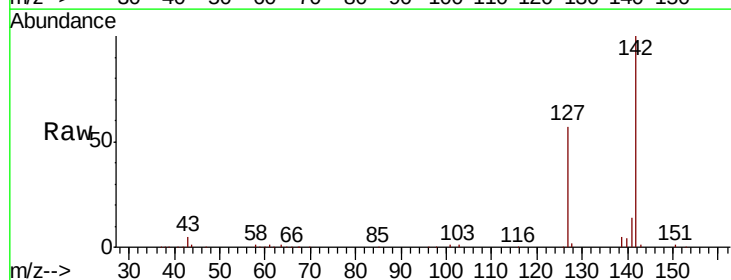
Tgt Ion:142 Resp: 569201

Ion Ratio Lower Upper

142 100

127 57.2 50.1 75.1

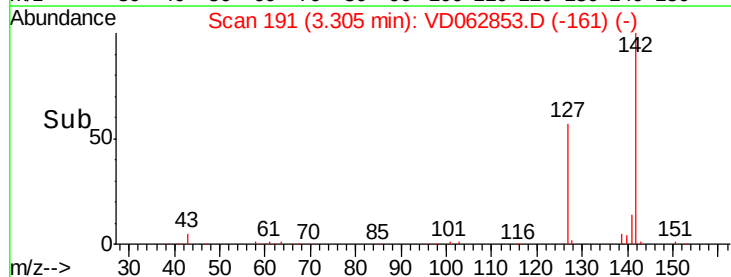
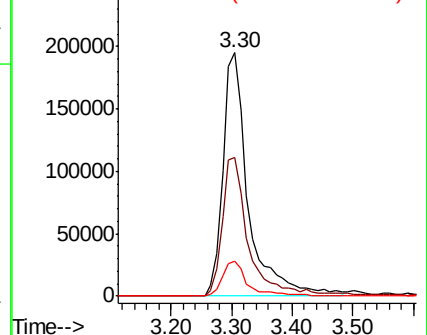
141 14.1 11.0 16.4

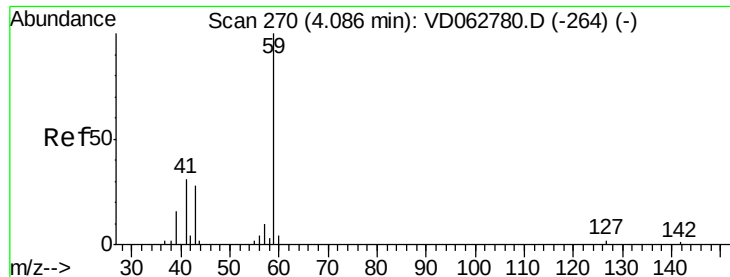


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

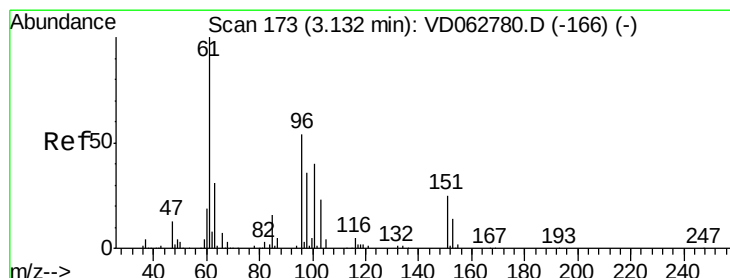
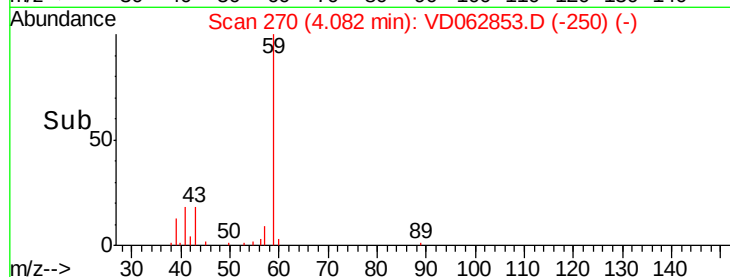
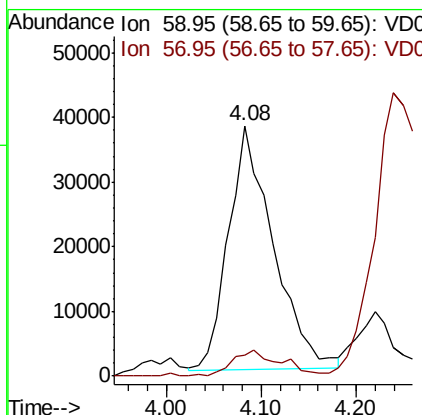
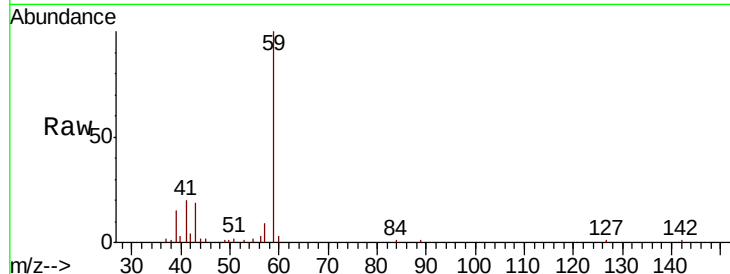




#11
Tert butyl alcohol
Concen: 285.112 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

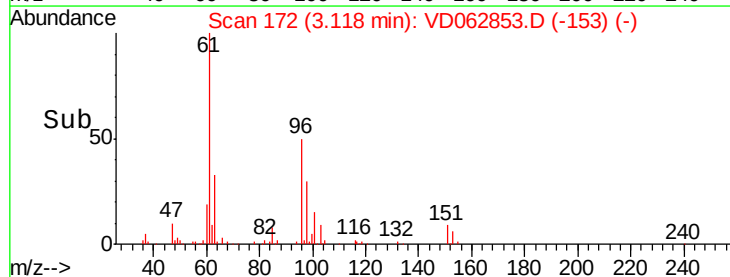
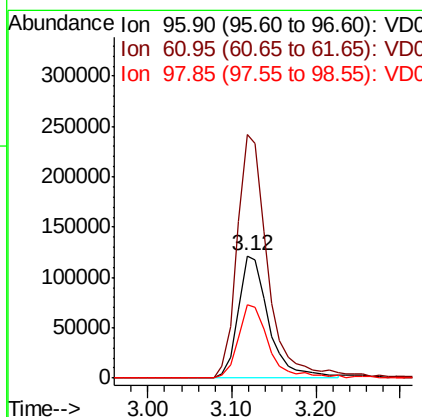
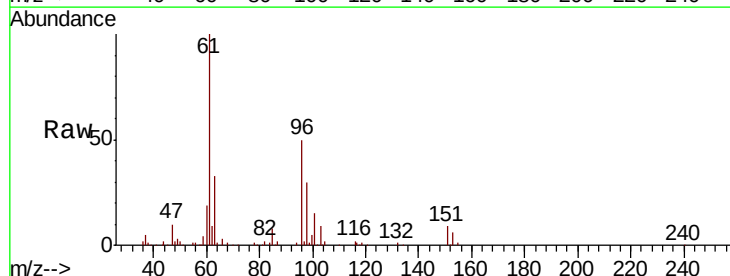
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

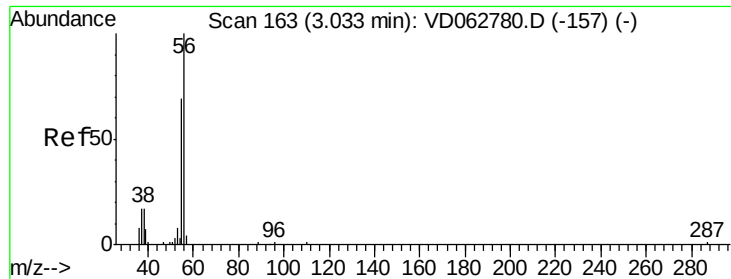
Tot Ion: 59 Resp: 123539
Ion Ratio Lower Upper
59 100
57 8.5 6.6 10.0



#12
1,1-Dichloroethene
Concen: 44.198 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 96 Resp: 307008
Ion Ratio Lower Upper
96 100
61 199.1 147.1 220.7
98 60.3 52.6 79.0





#13

Acrolein

Concen: 277.985 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

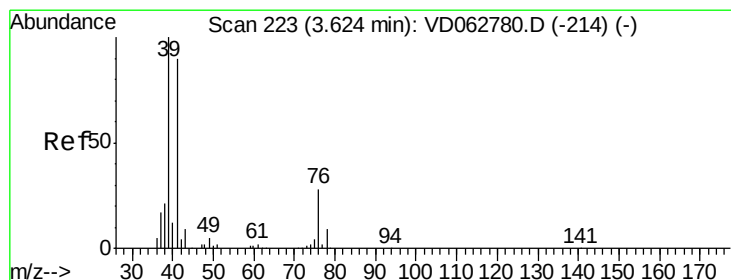
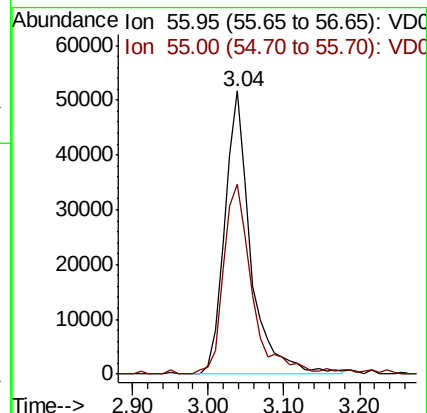
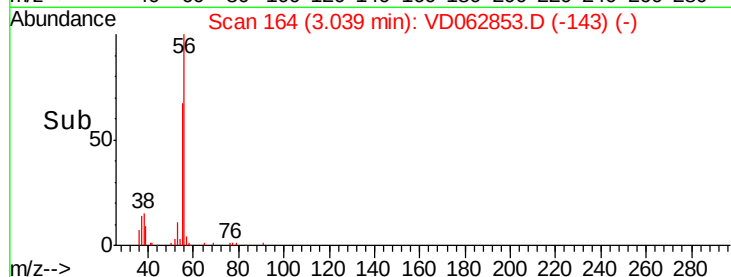
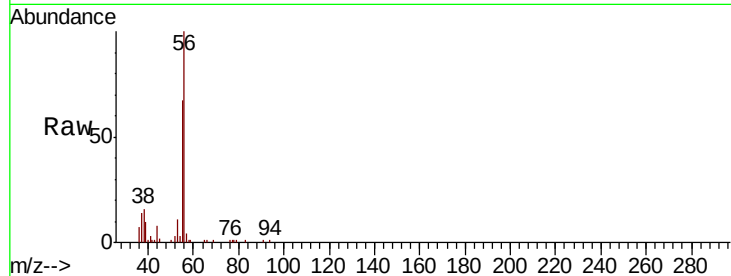
VSTDCCC050EC

Tot Ion: 56 Resp: 122966

Ion Ratio Lower Upper

56 100

55 67.1 55.4 83.0



#14

Allyl chloride

Concen: 49.877 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

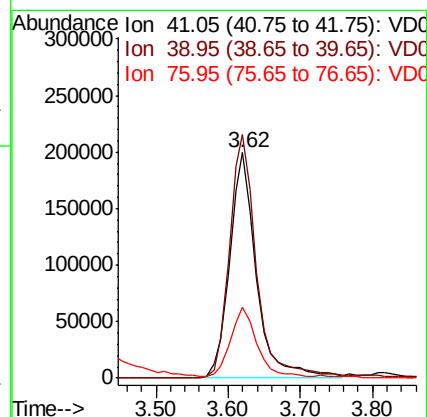
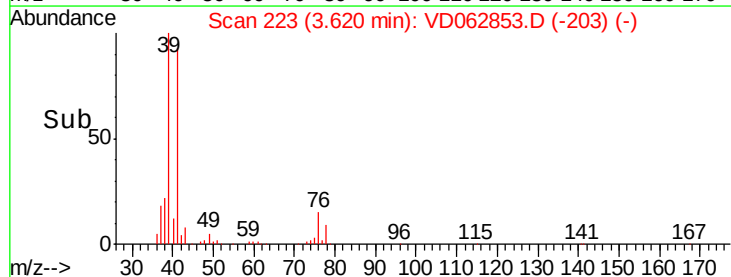
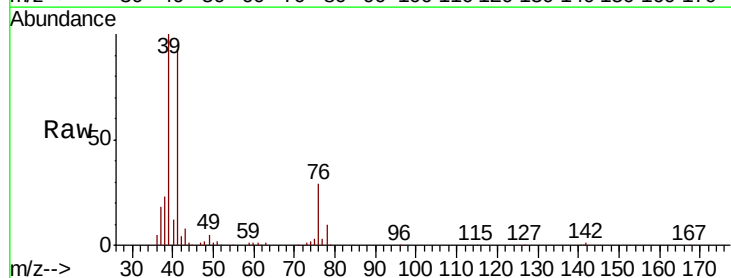
Tgt Ion: 41 Resp: 511922

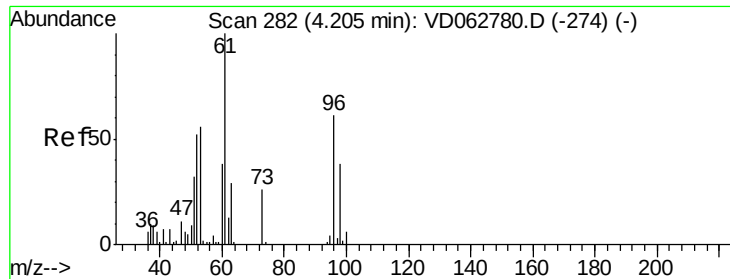
Ion Ratio Lower Upper

41 100

39 108.0 88.8 133.2

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 316.528 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

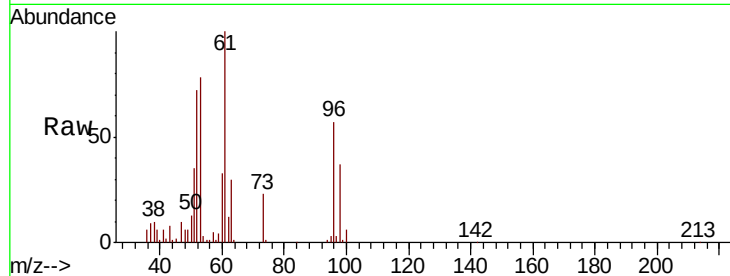
Tot Ion: 53 Resp: 322269

Ion Ratio Lower Upper

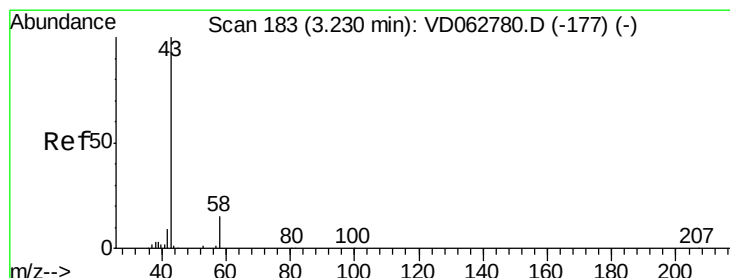
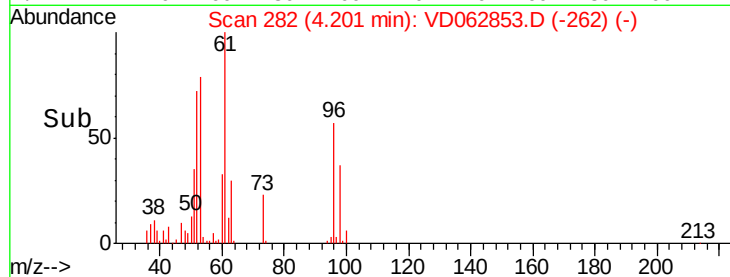
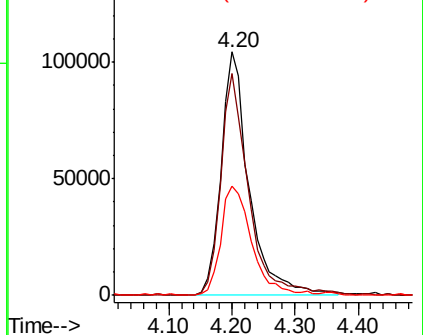
53 100

52 91.2 73.3 109.9

51 44.9 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: 284.948 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062853.D

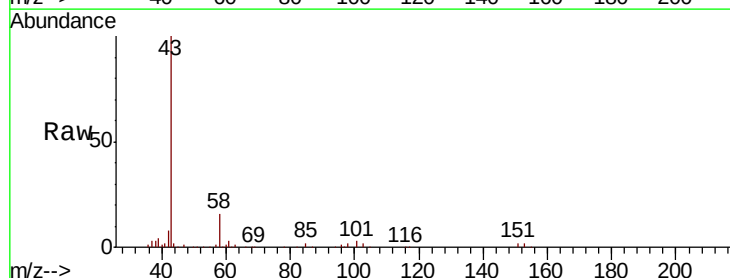
Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 547864

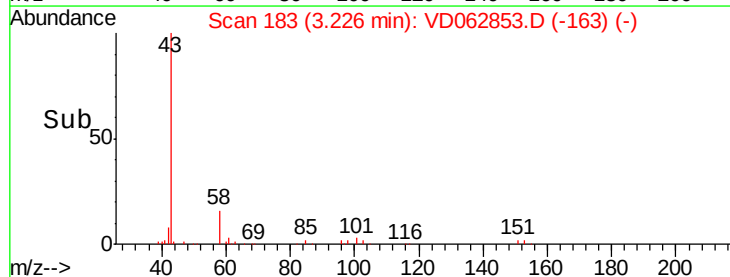
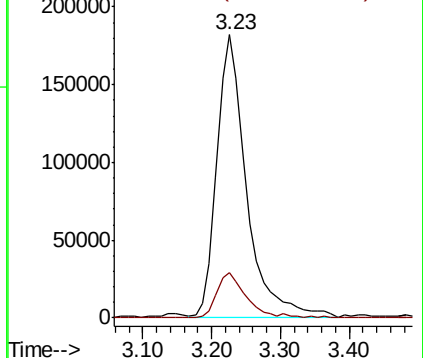
Ion Ratio Lower Upper

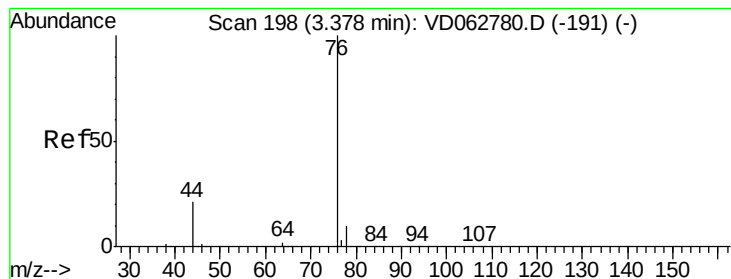
43 100

58 16.2 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: 45.557 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

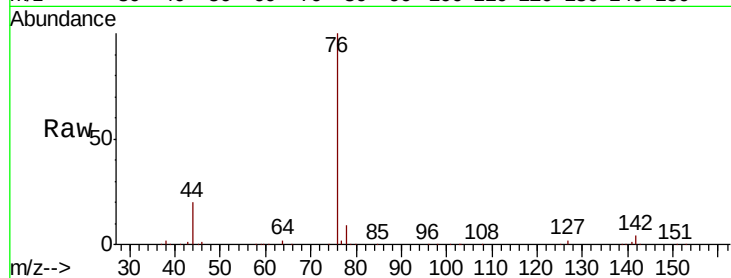
VSTDCCC050EC

Tot Ion: 76 Resp: 1011356

Ion Ratio Lower Upper

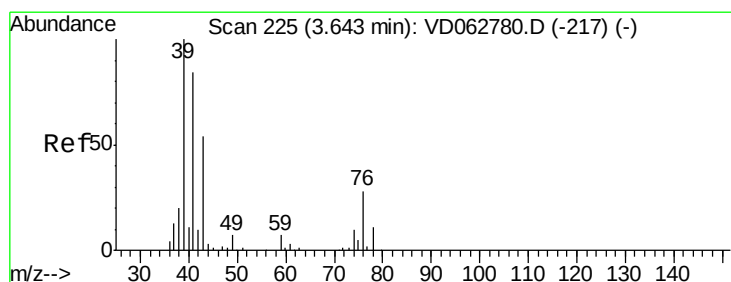
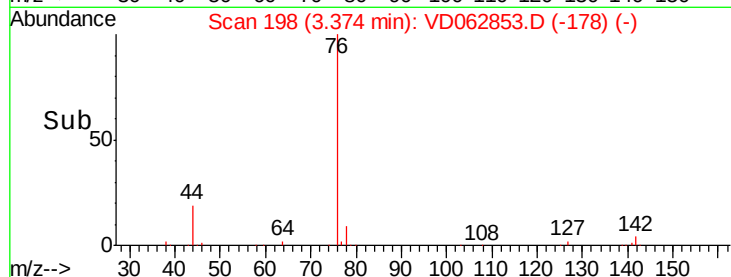
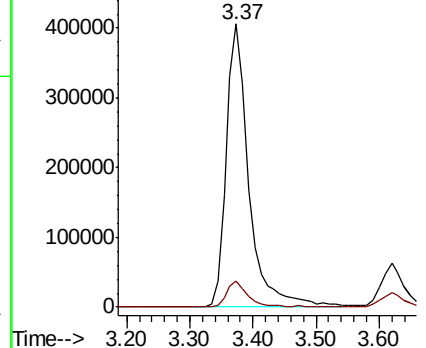
76 100

78 9.1 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 66.538 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062853.D

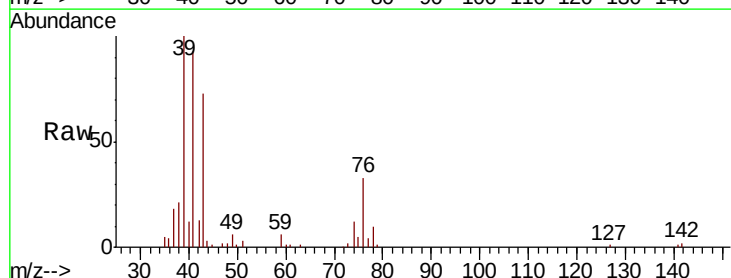
Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 191094

Ion Ratio Lower Upper

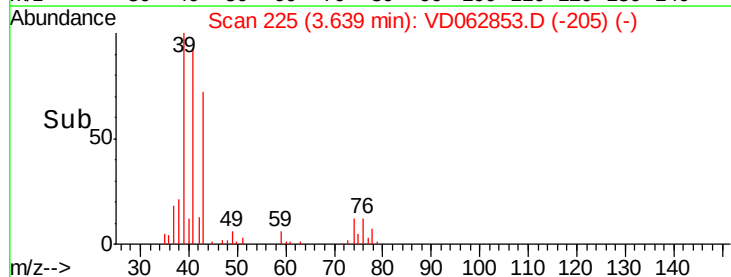
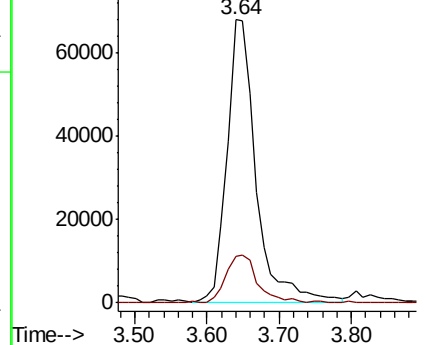
43 100

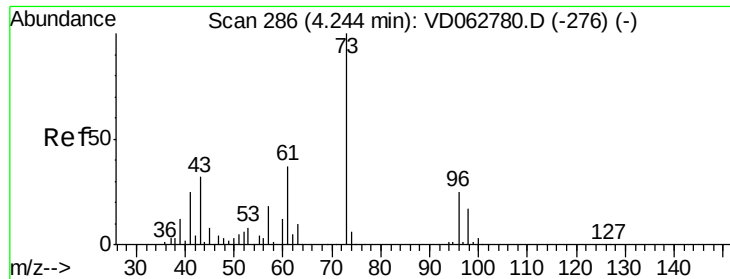
74 16.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

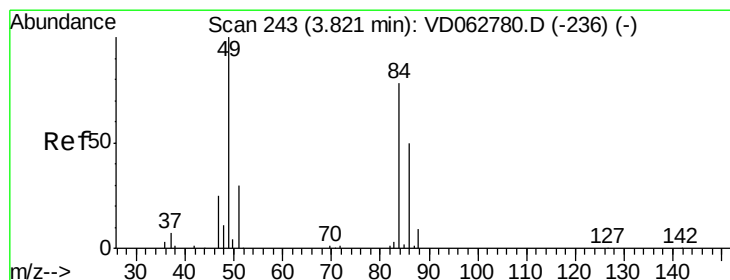
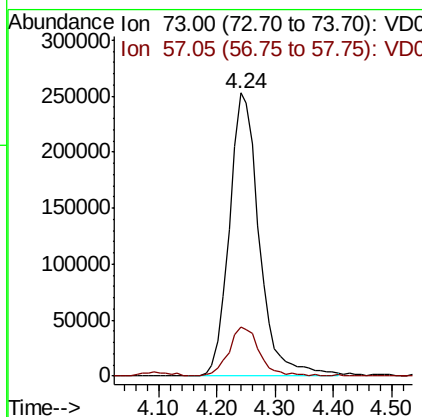
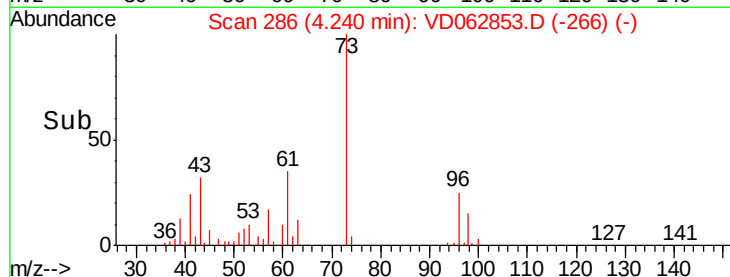
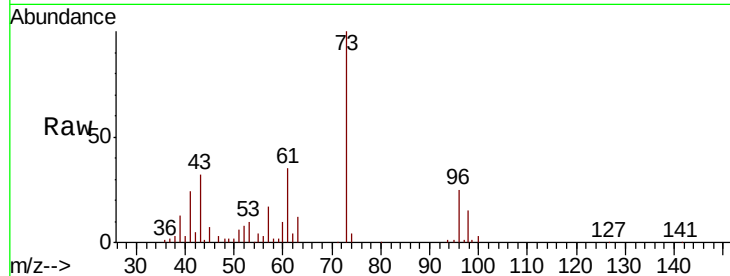




#19
Methyl tert-butyl Ether
Concen: 60.070 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

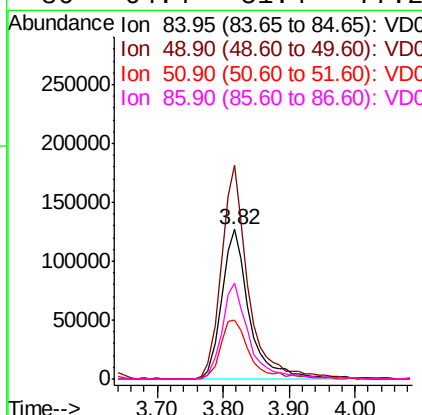
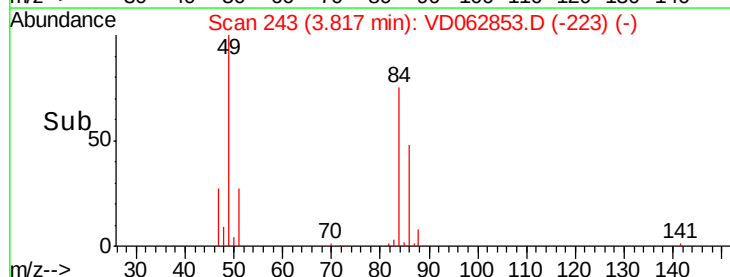
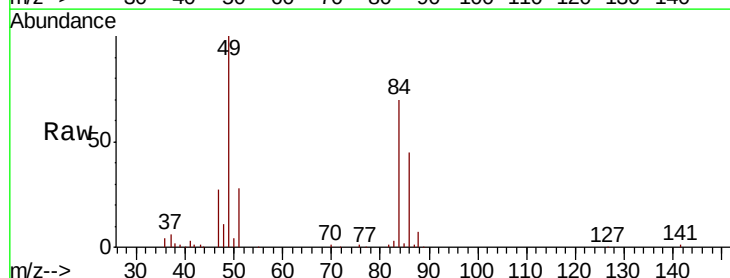
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

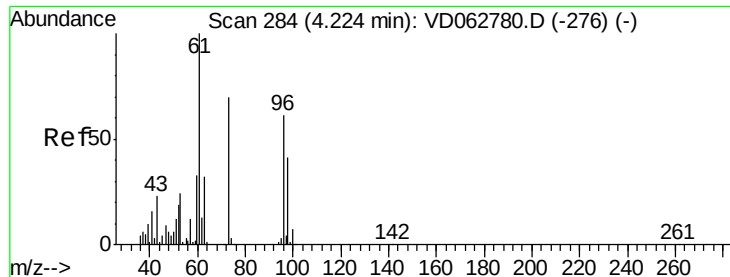
Tot Ion: 73 Resp: 903286
Ion Ratio Lower Upper
73 100
57 17.3 14.3 21.5



#20
Methylene Chloride
Concen: 50.964 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 84 Resp: 369772
Ion Ratio Lower Upper
84 100
49 143.2 102.9 154.3
51 39.6 31.2 46.8
86 64.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.417 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

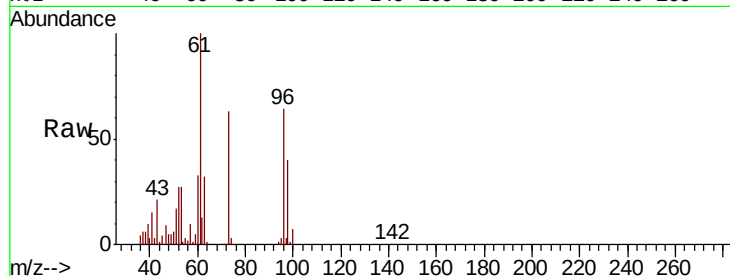
Tot Ion: 96 Resp: 372894

Ion Ratio Lower Upper

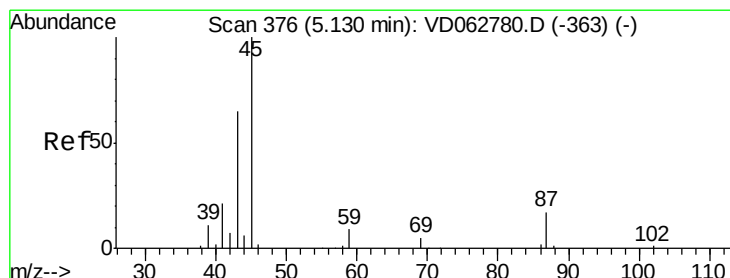
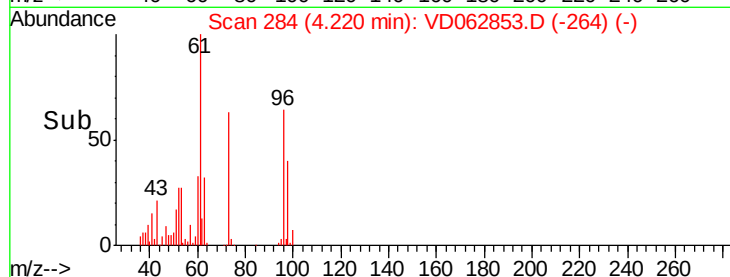
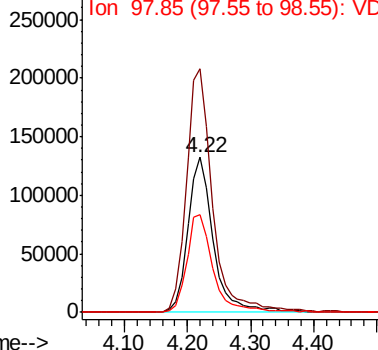
96 100

61 157.3 131.0 196.4

98 63.5 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: 57.769 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion: 45 Resp: 1205814

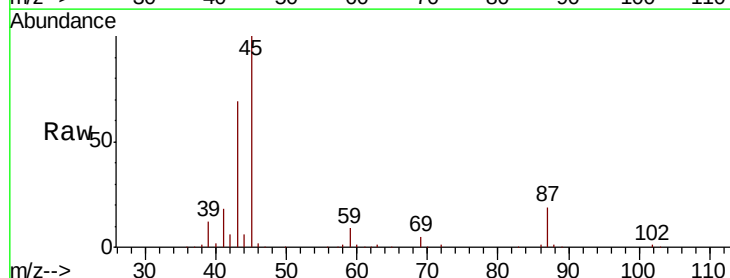
Ion Ratio Lower Upper

45 100

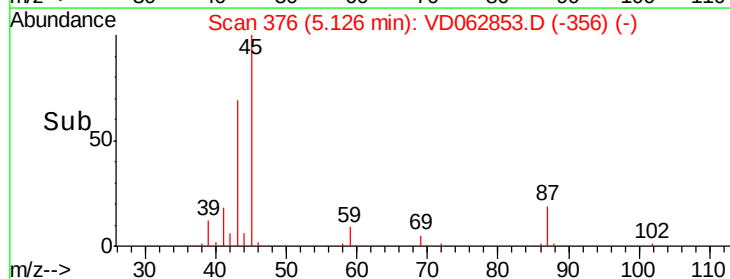
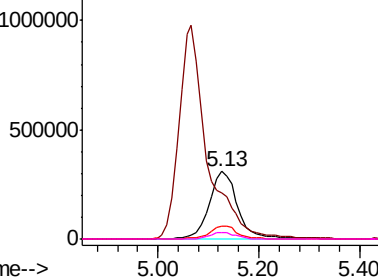
43 68.8 53.4 80.0

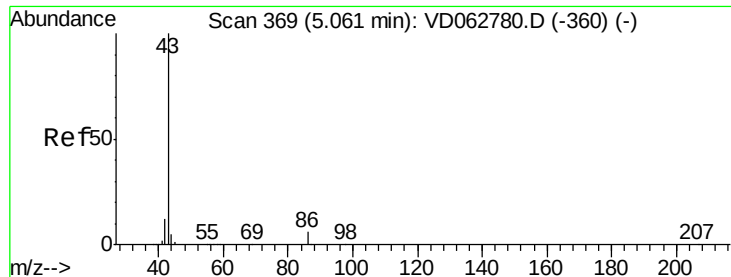
87 19.3 14.6 22.0

59 8.9 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: 291.407 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

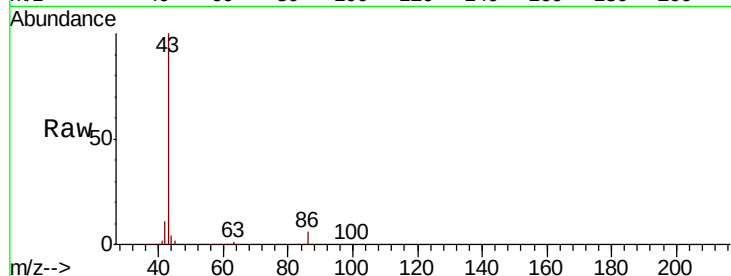
VSTDCCC050EC

Tot Ion: 43 Resp: 3806089

Ion Ratio Lower Upper

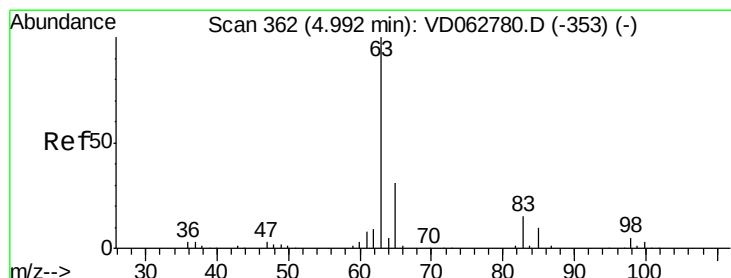
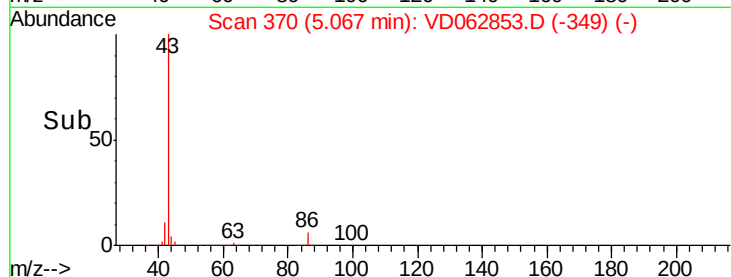
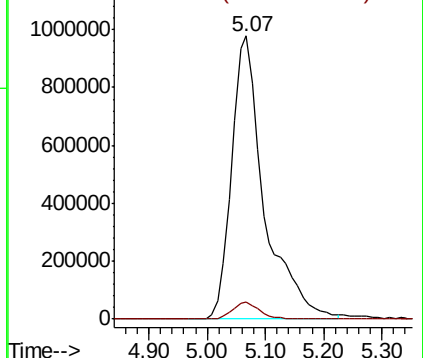
43 100

86 6.2 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: 52.790 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

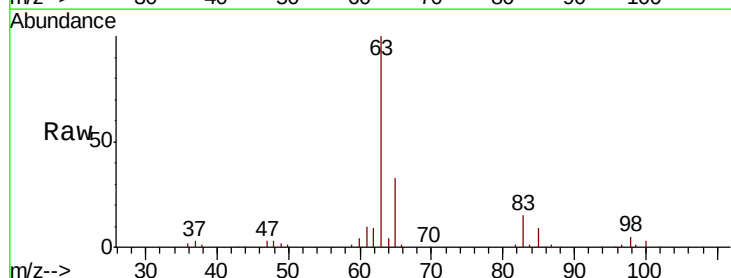
Tgt Ion: 63 Resp: 717406

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

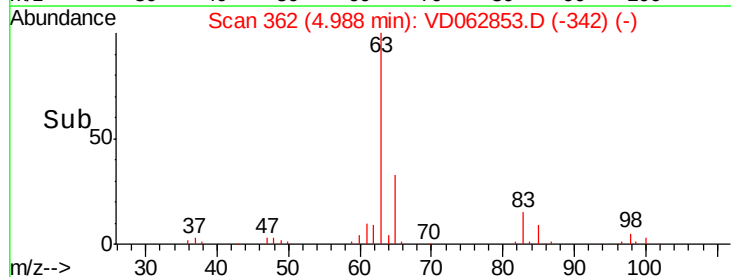
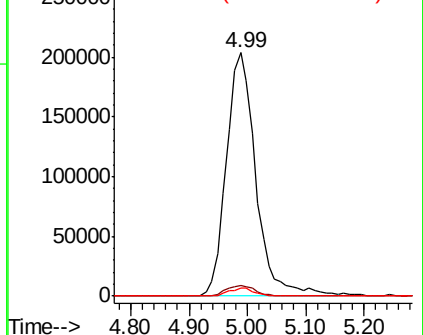
100 3.2 1.7 5.1

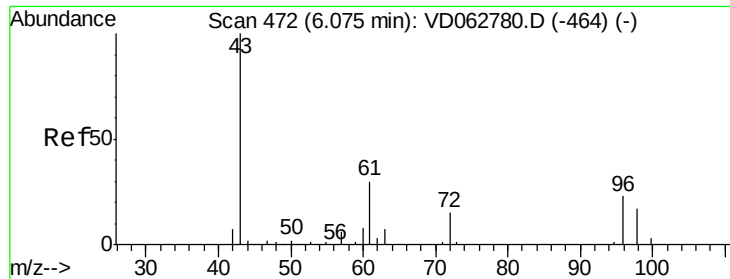


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 326.127 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

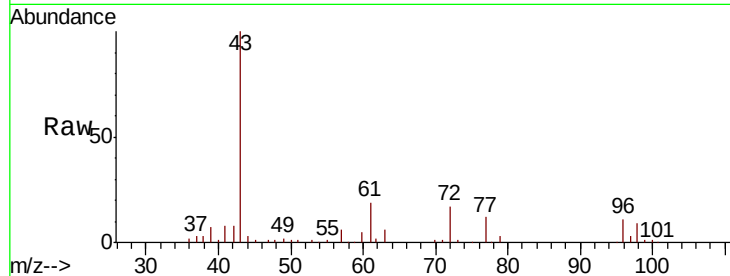
VSTDCCC050EC

Tot Ion: 43 Resp: 580296

Ion Ratio Lower Upper

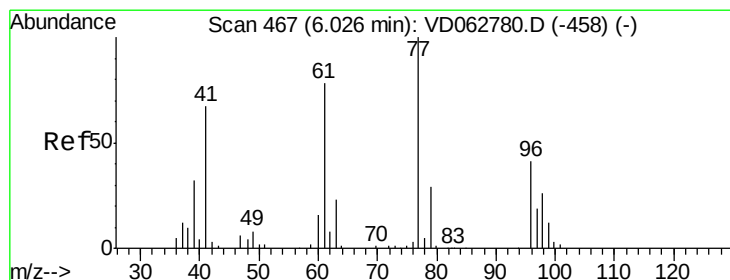
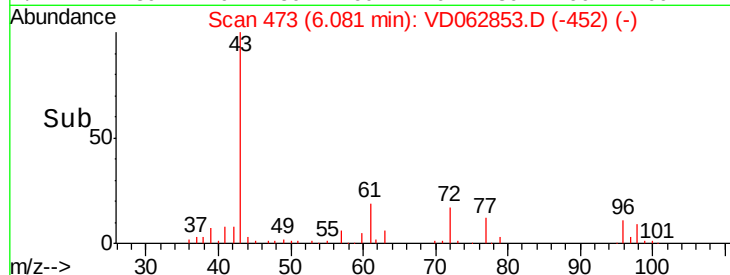
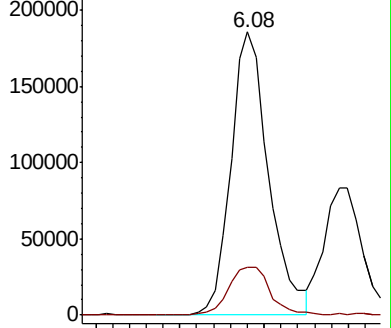
43 100

72 16.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.461 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062853.D

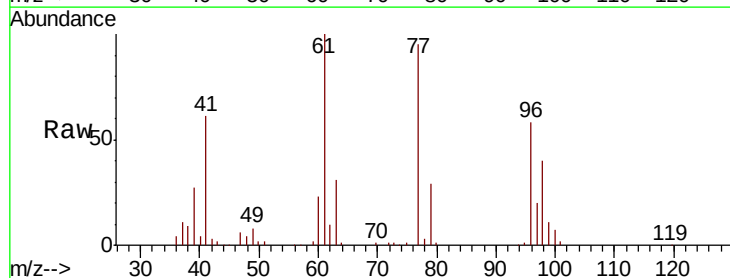
Acq: 24 Jun 2019 21:04

Tgt Ion: 77 Resp: 698060

Ion Ratio Lower Upper

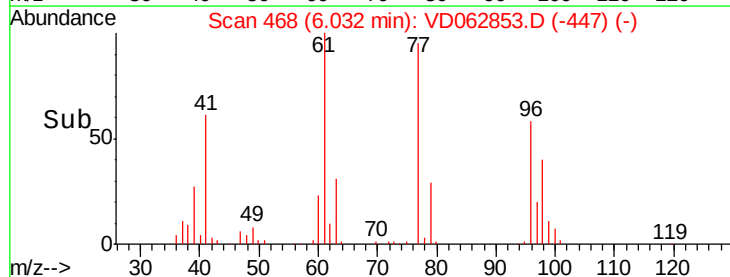
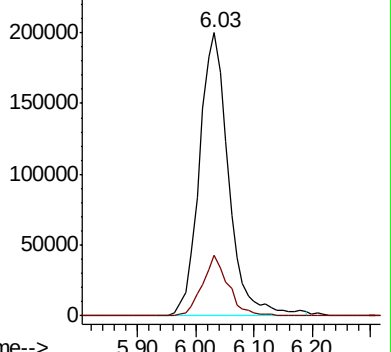
77 100

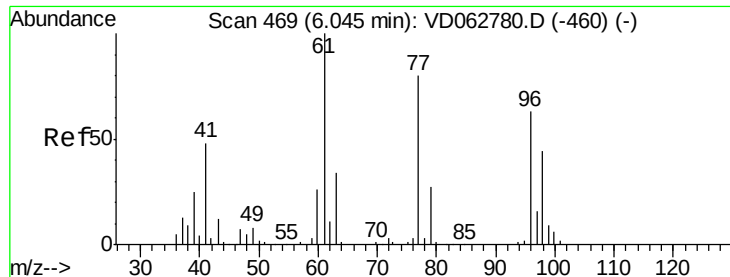
97 21.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 54.264 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

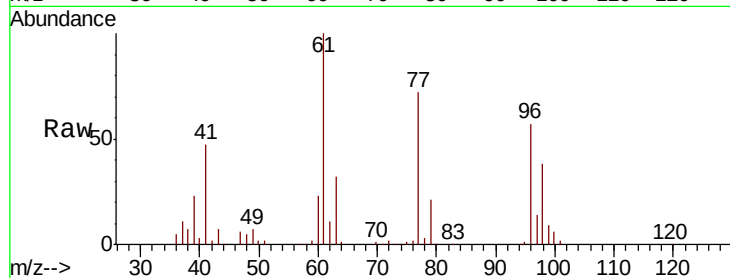
Tot Ion: 96 Resp: 424419

Ion Ratio Lower Upper

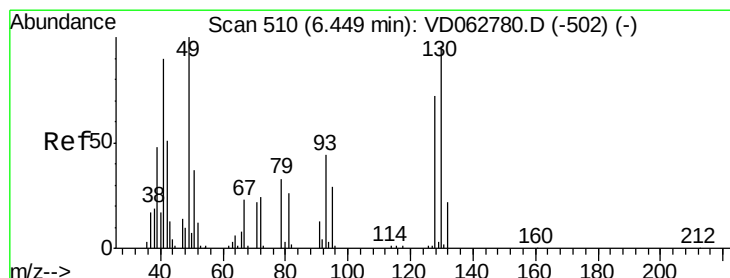
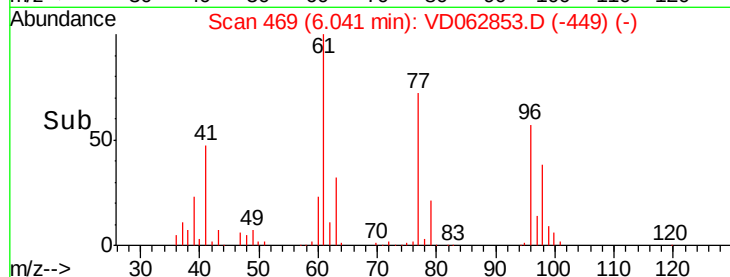
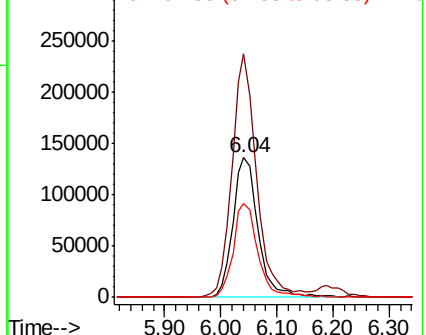
96 100

61 174.5 0.0 316.0

98 66.9 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: 55.601 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

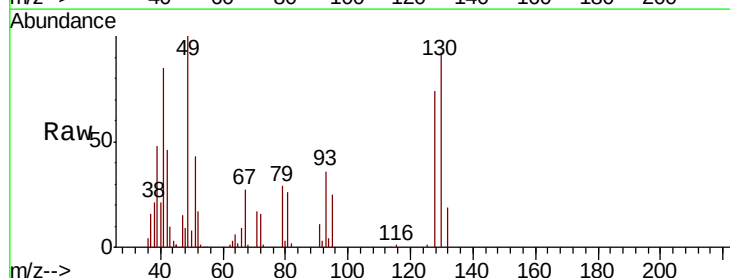
Tgt Ion: 49 Resp: 266125

Ion Ratio Lower Upper

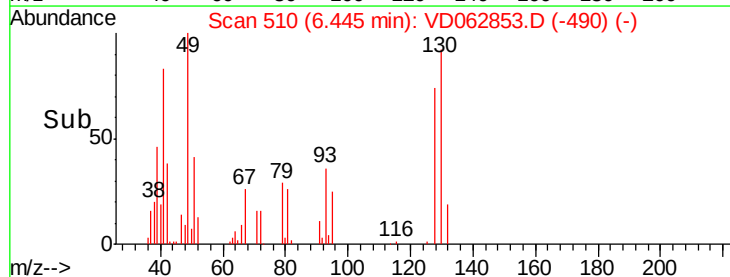
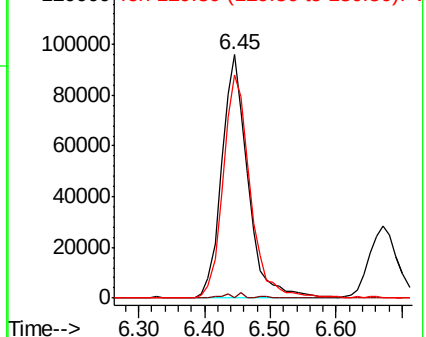
49 100

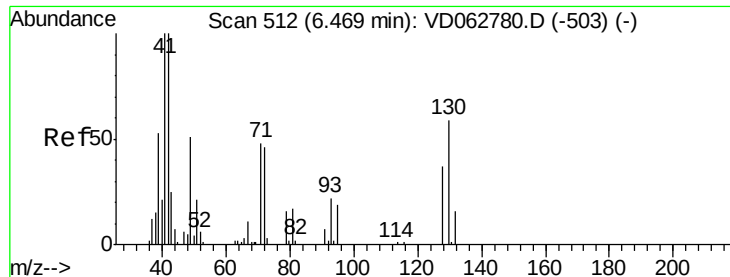
129 0.0 0.0 5.6

130 91.8 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

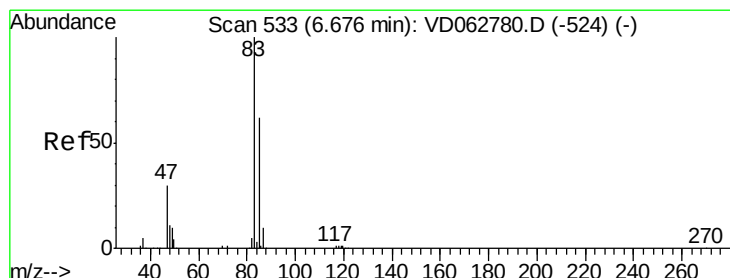
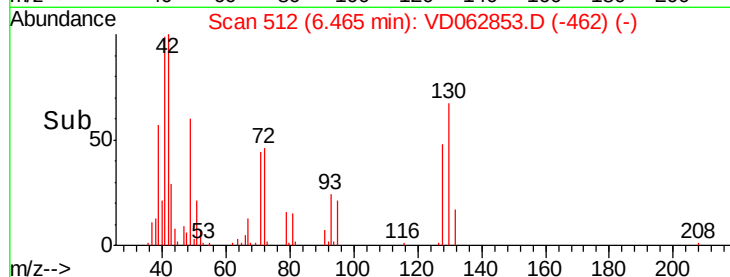
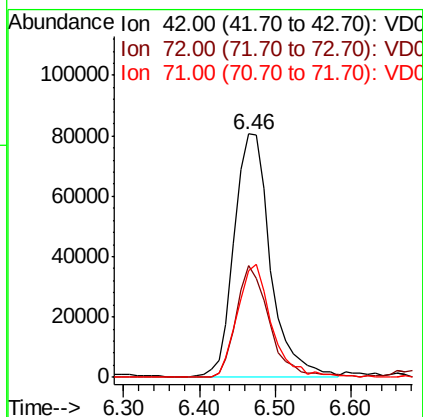
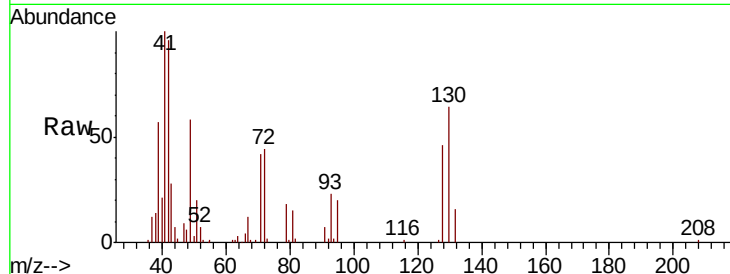




#29
Tetrahydrofuran
Concen: 318.731 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

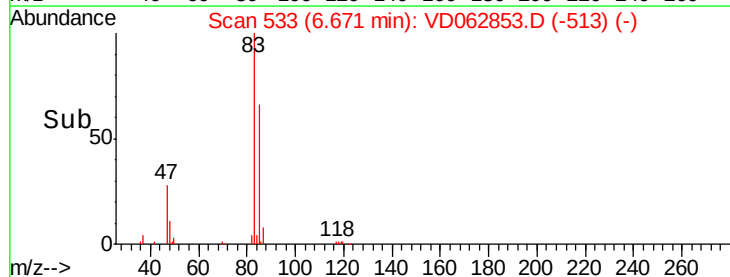
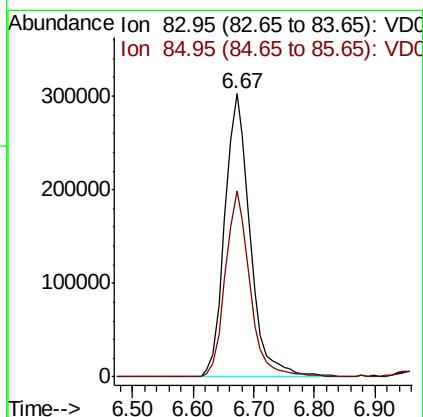
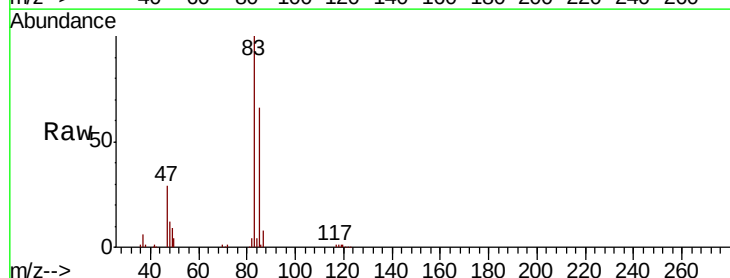
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

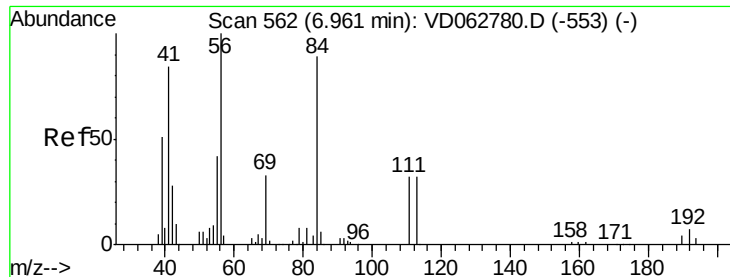
Tot Ion: 42 Resp: 268334
Ion Ratio Lower Upper
42 100
72 42.1 35.0 52.6
71 44.0 33.3 49.9



#30
Chloroform
Concen: 53.152 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 83 Resp: 878470
Ion Ratio Lower Upper
83 100
85 65.9 49.8 74.6

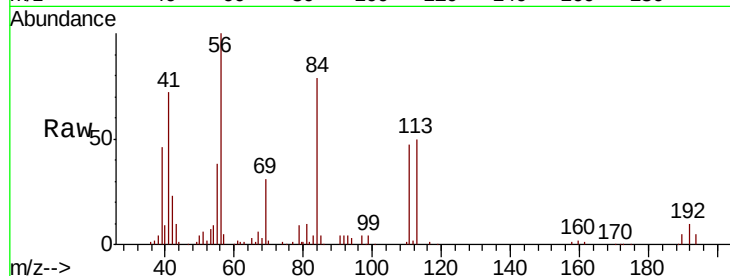




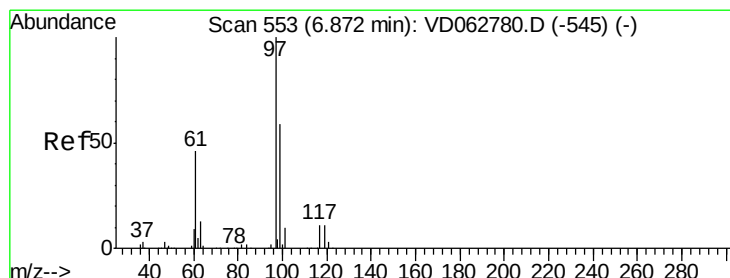
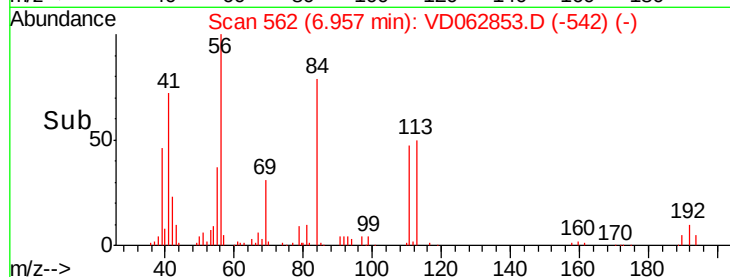
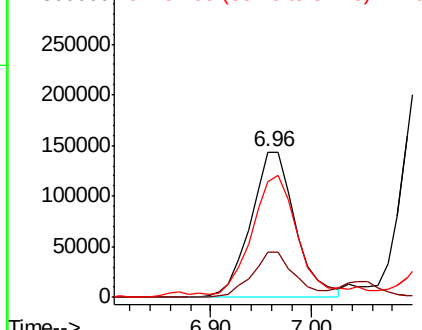
#31
Cyclohexane
Concen: 49.331 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 440726
Ion Ratio Lower Upper
56 100
69 31.0 26.6 39.8
84 79.5 75.5 113.3

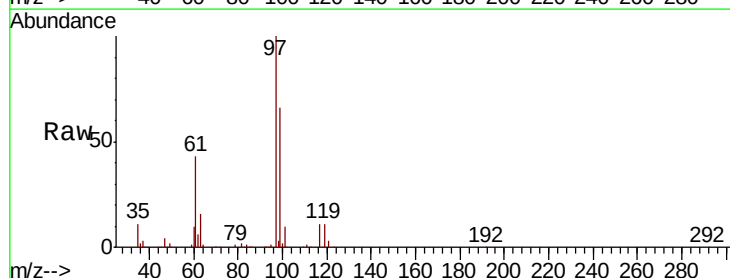


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

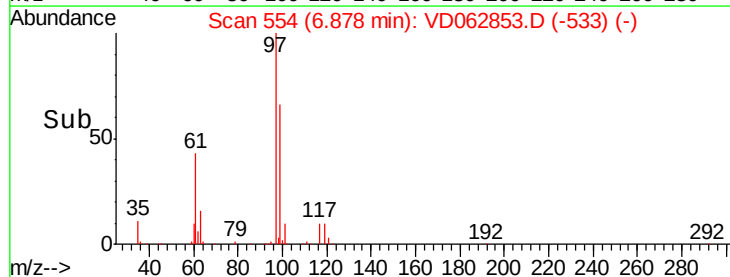
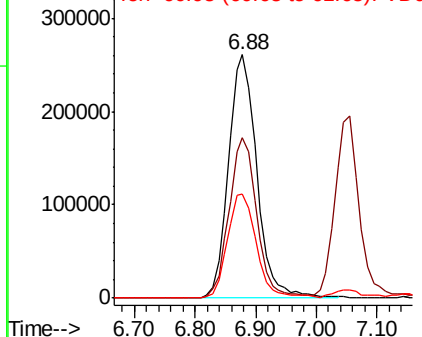


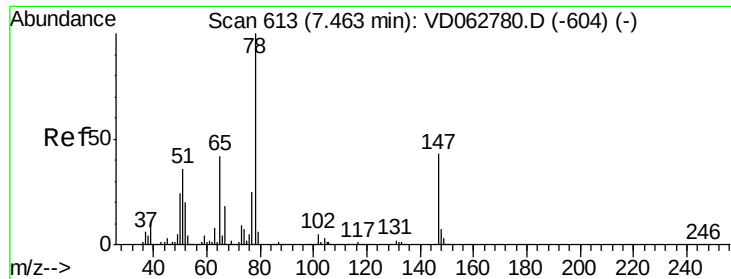
#32
1,1,1-Trichloroethane
Concen: 49.168 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 97 Resp: 846408
Ion Ratio Lower Upper
97 100
99 65.8 47.4 71.2
61 42.7 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

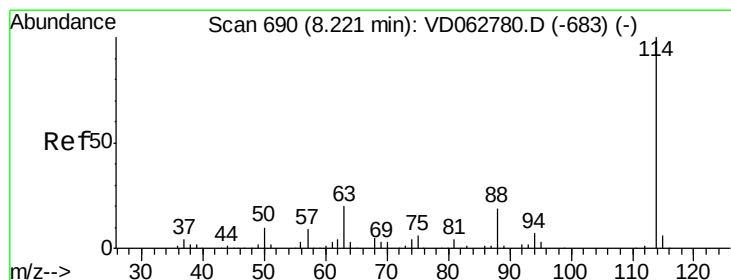
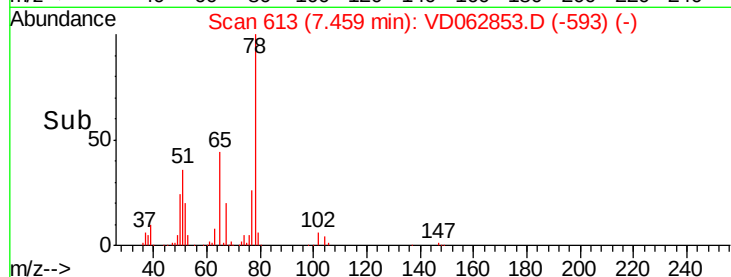
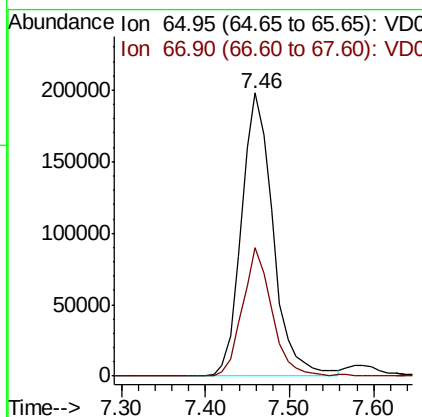
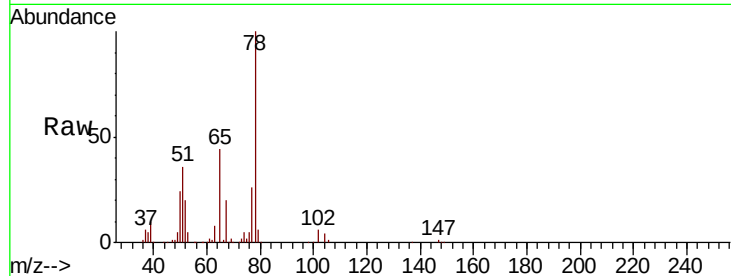




#33
 1,2-Dichloroethane-d4
 Concen: 54.659 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

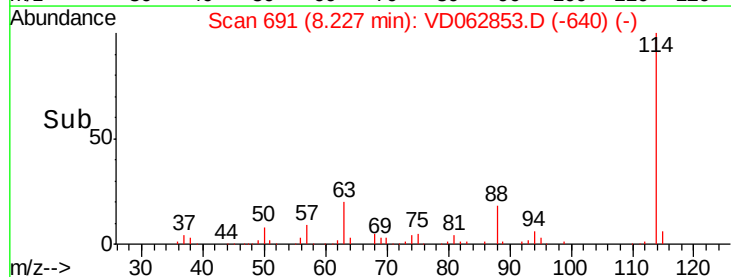
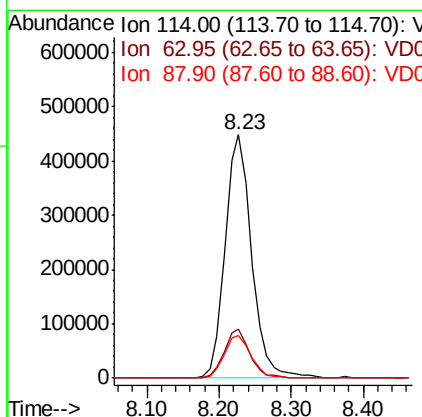
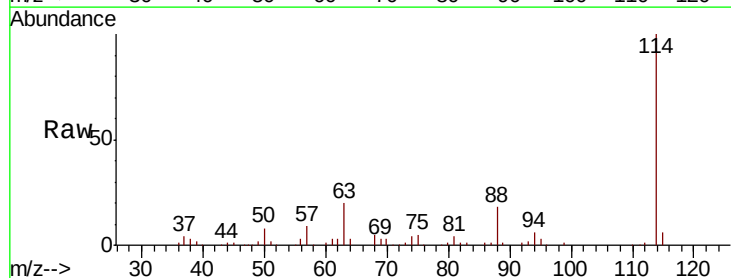
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

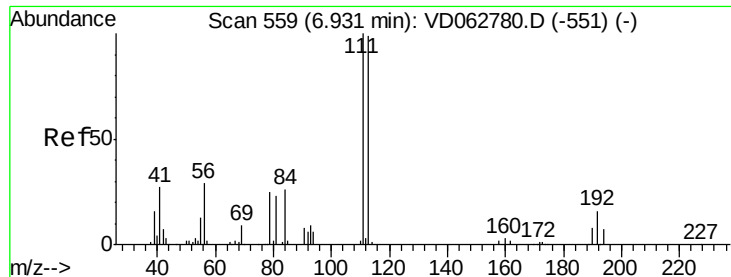
Tot Ion: 65 Resp: 520012
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 114 Resp: 1143248
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 17.7 0.0 38.8

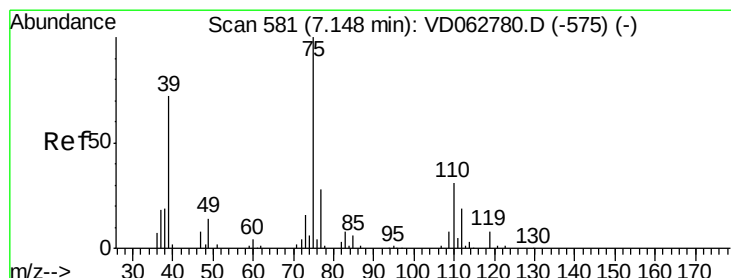
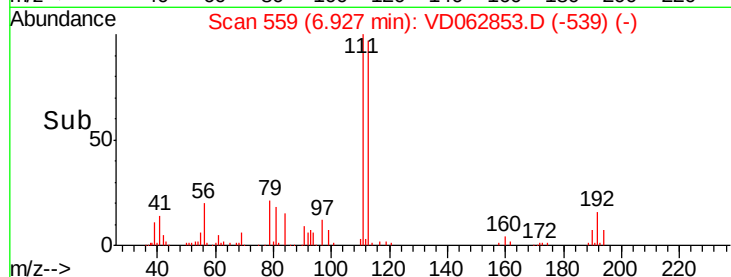
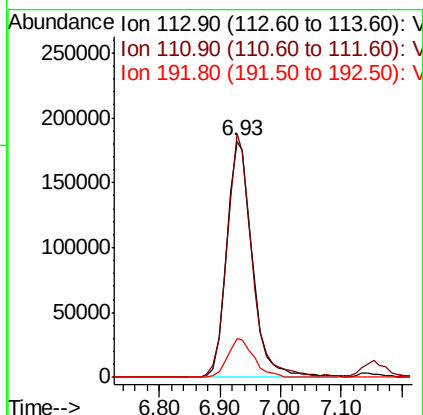
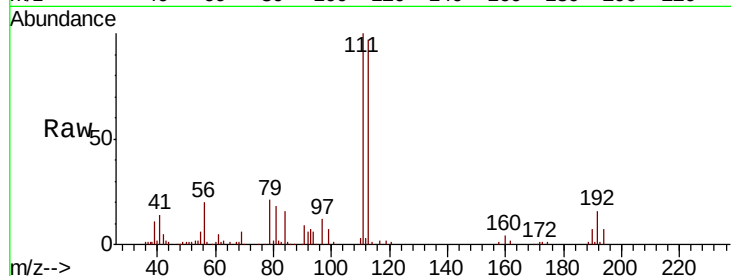




#35
Dibromofluoromethane
Concen: 55.279 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

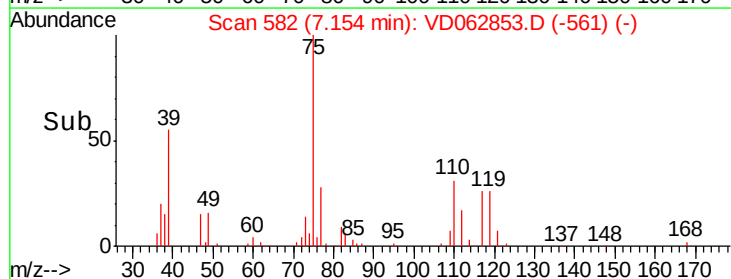
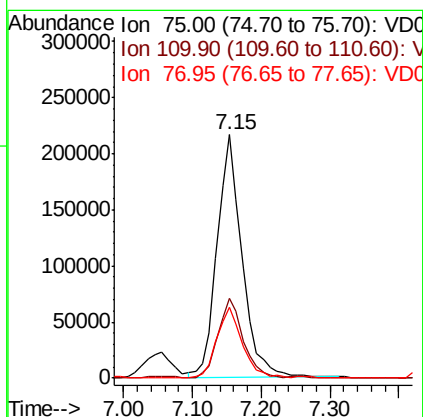
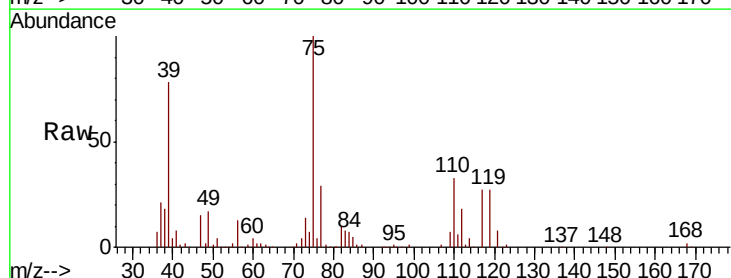
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

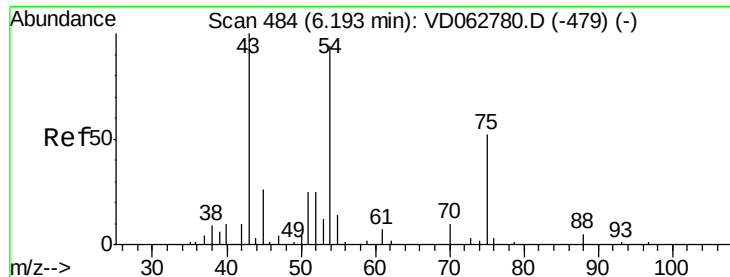
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.2	121.8
192	16.2	12.9	19.3



#36
1,1-Dichloropropene
Concen: 50.192 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	15.0	45.1
77	29.0	22.2	33.2

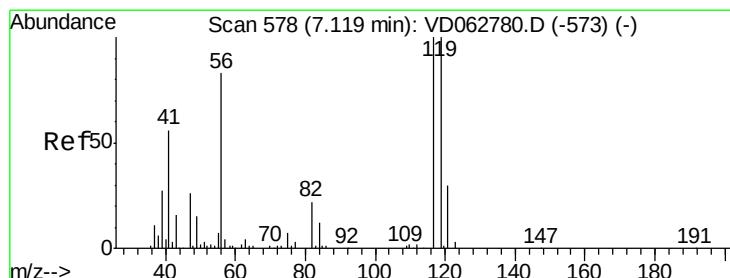
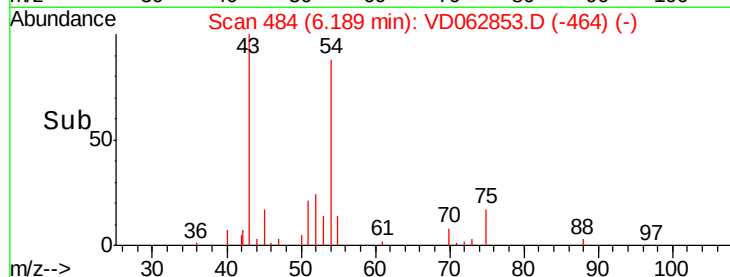
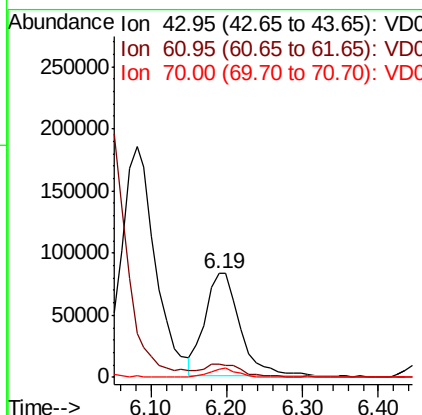
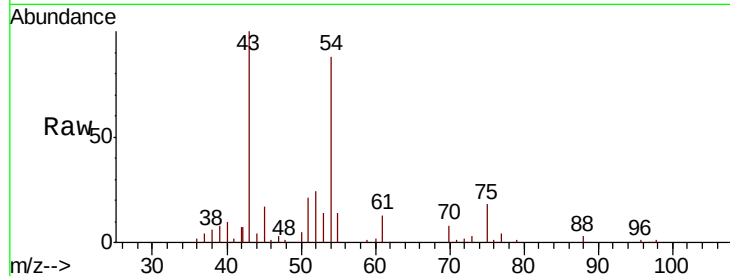




#37
Ethyl Acetate
Concen: 59.561 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

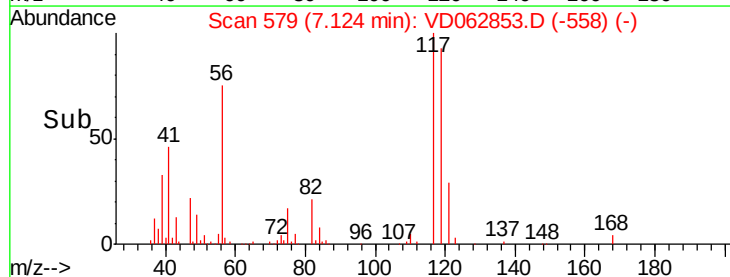
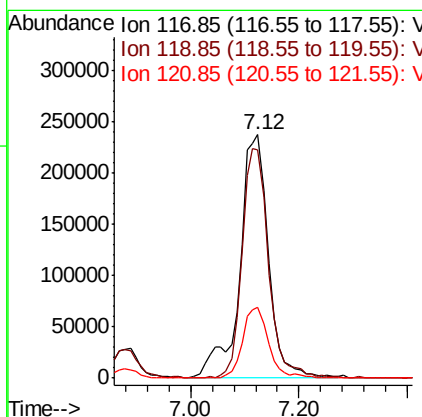
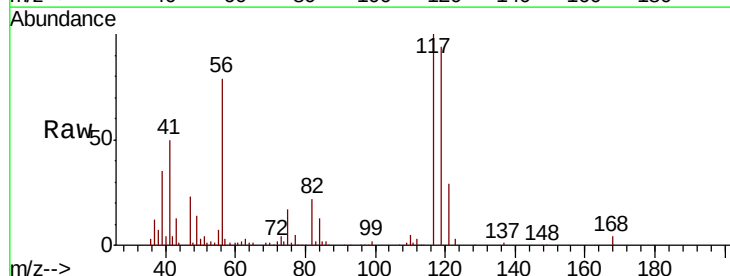
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

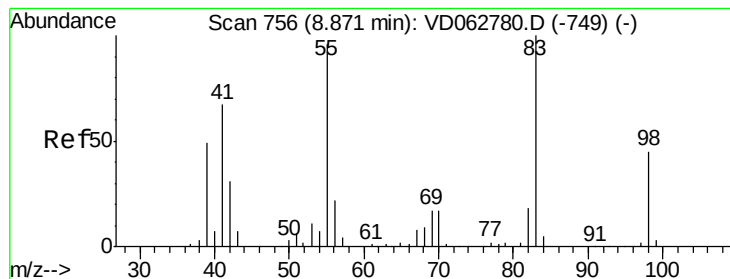
Tot Ion: 43 Resp: 269819
Ion Ratio Lower Upper
43 100
61 13.3 11.6 17.4
70 7.7 6.4 9.6



#38
Carbon Tetrachloride
Concen: 53.544 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 117 Resp: 871508
Ion Ratio Lower Upper
117 100
119 93.9 75.4 113.2
121 29.2 22.3 33.5





#39

Methylvlcyclohexane

Concen: 50.477 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

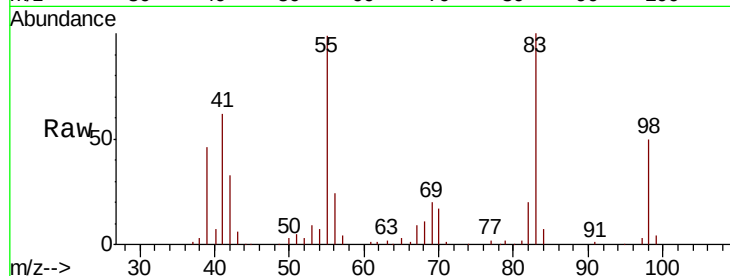
Tot Ion: 83 Resp: 480859

Ion Ratio Lower Upper

83 100

55 99.3 76.6 115.0

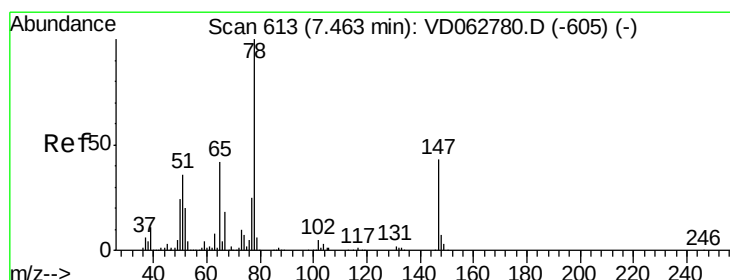
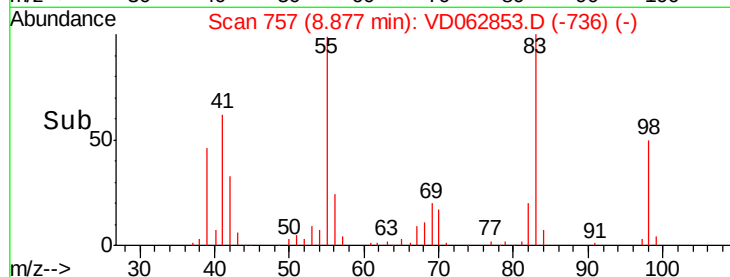
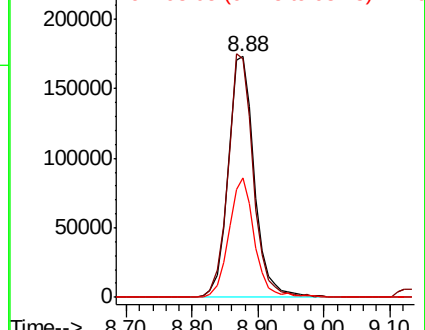
98 49.6 35.7 53.5



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: 56.077 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062853.D

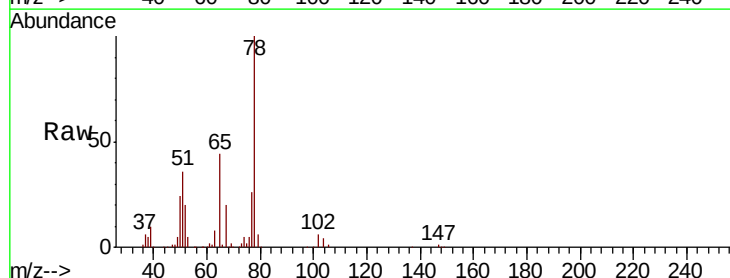
Acq: 24 Jun 2019 21:04

Tgt Ion: 78 Resp: 1218217

Ion Ratio Lower Upper

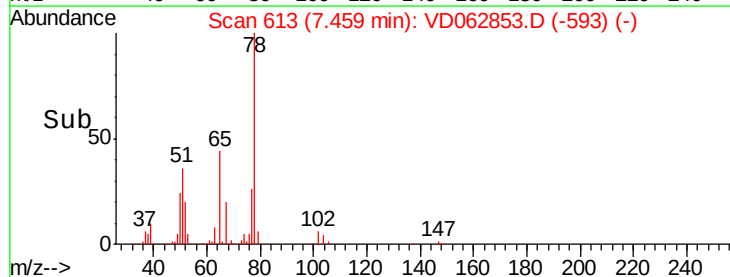
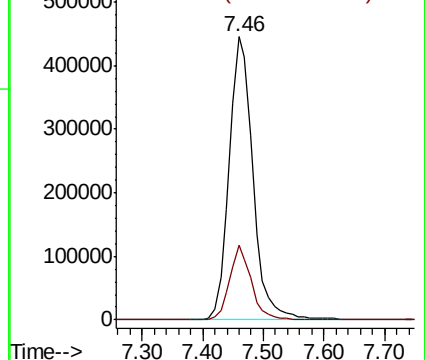
78 100

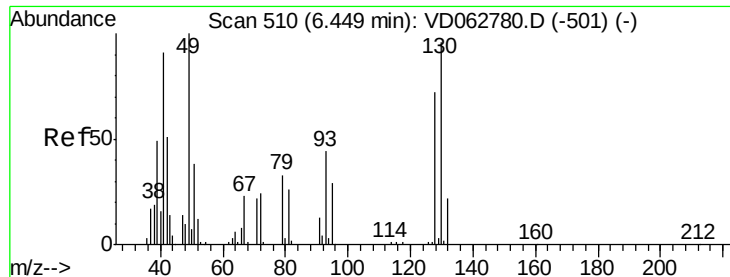
77 26.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 63.588 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 362918

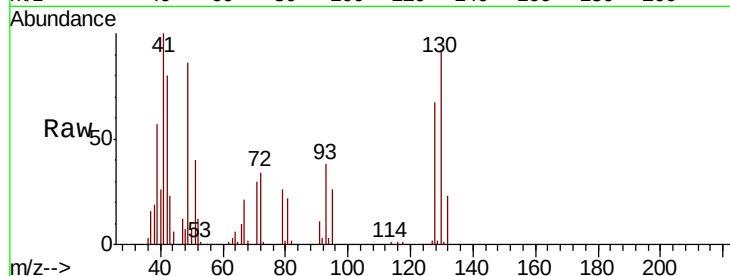
Ion Ratio Lower Upper

41 100

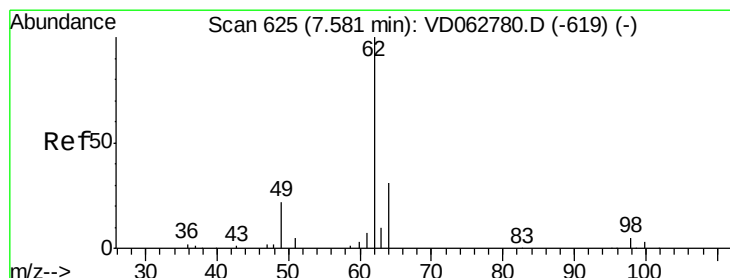
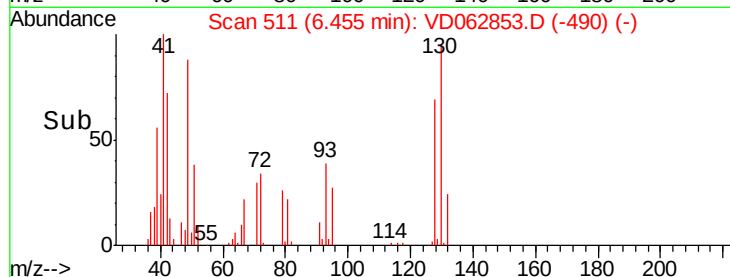
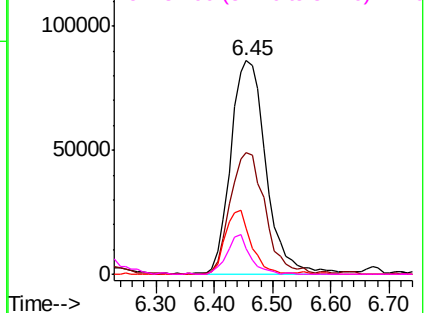
39 57.2 43.2 64.8

67 21.5 19.9 29.9

52 12.0 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: 58.247 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062853.D

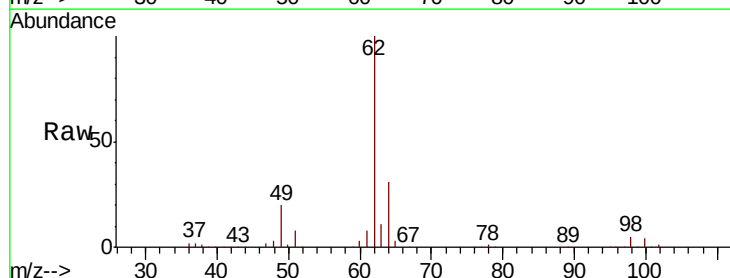
Acq: 24 Jun 2019 21:04

Tgt Ion: 62 Resp: 690288

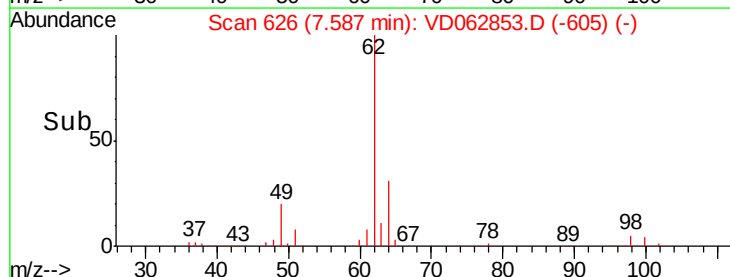
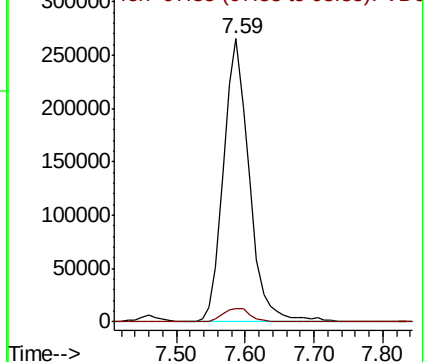
Ion Ratio Lower Upper

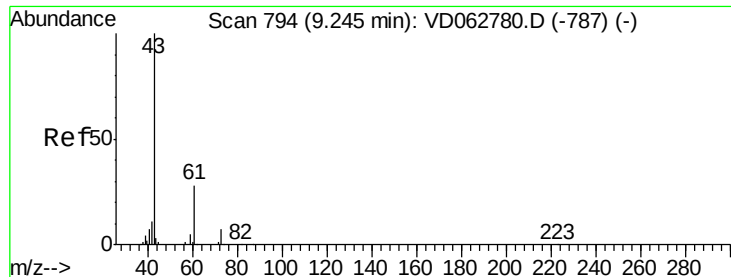
62 100

98 4.6 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: 67.906 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

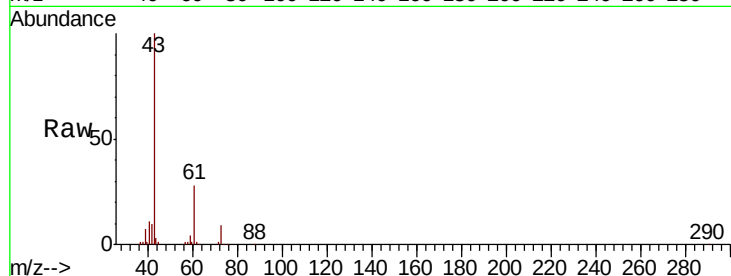
Tot Ion: 43 Resp: 385289

Ion Ratio Lower Upper

43 100

61 28.0 22.4 33.6

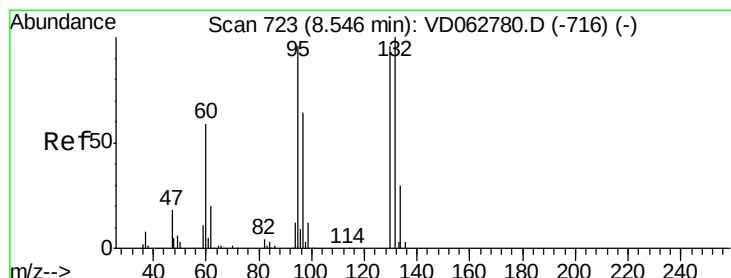
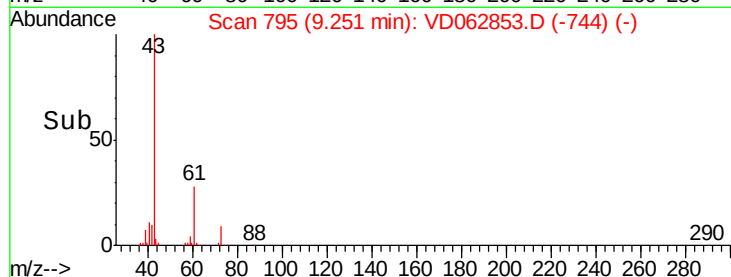
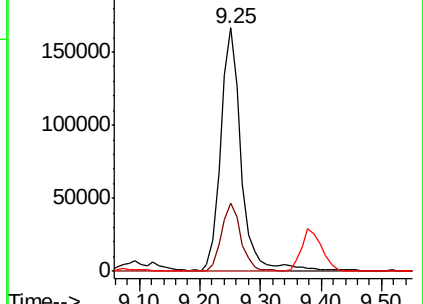
87 0.0 0.3 0.5#



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: 52.043 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062853.D

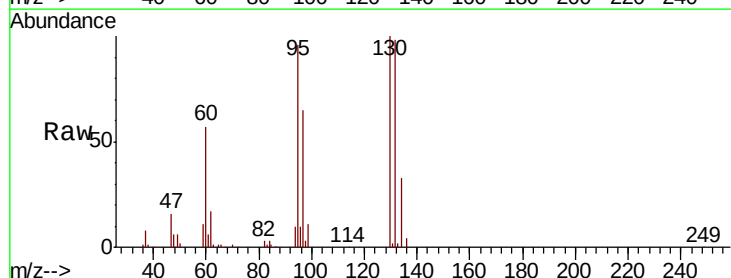
Acq: 24 Jun 2019 21:04

Tgt Ion:130 Resp: 443237

Ion Ratio Lower Upper

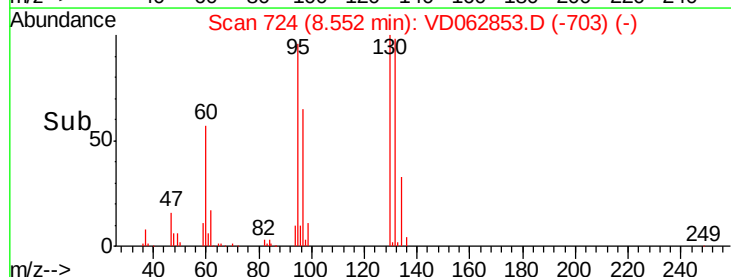
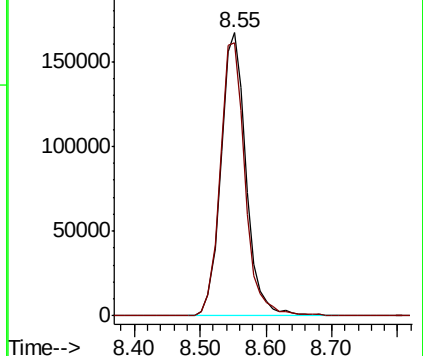
130 100

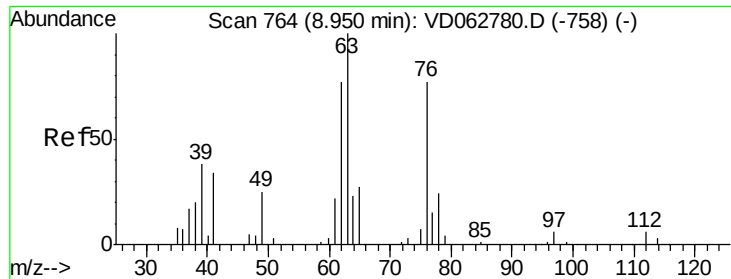
95 96.4 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

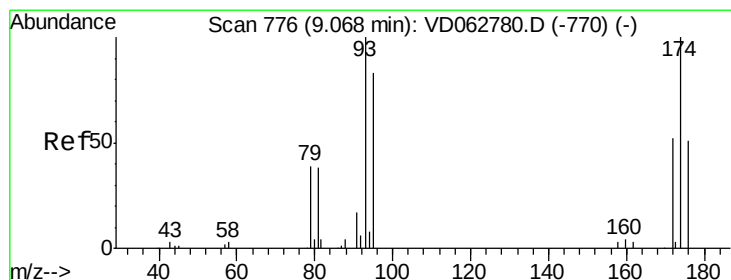
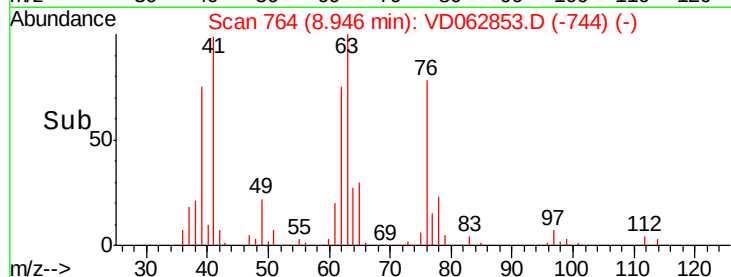
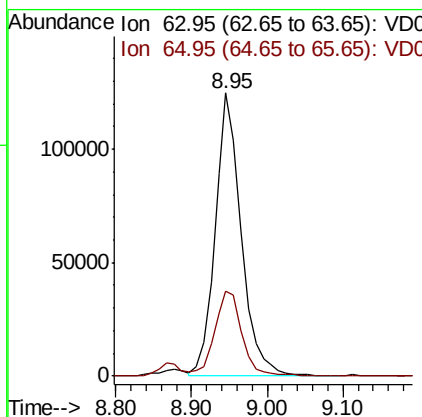
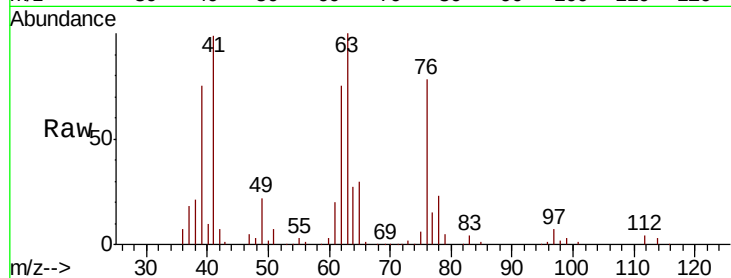




#45
 1,2-Dichloropropane
 Concen: 55.254 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

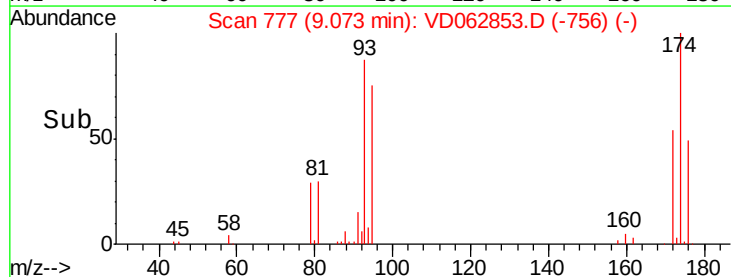
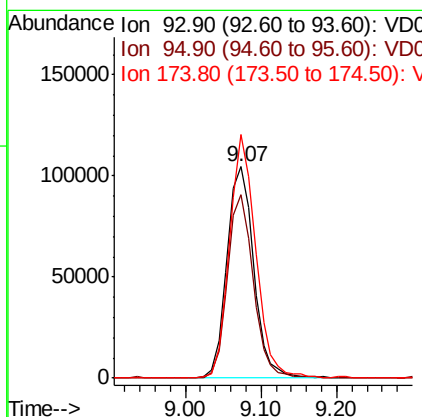
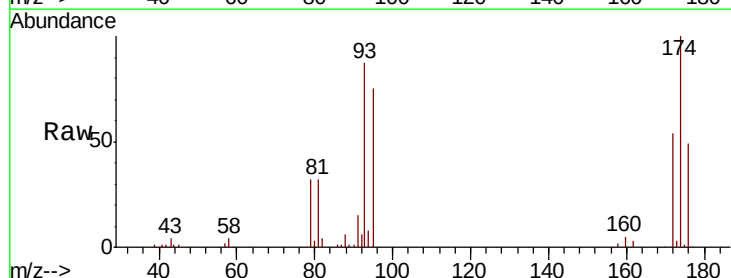
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

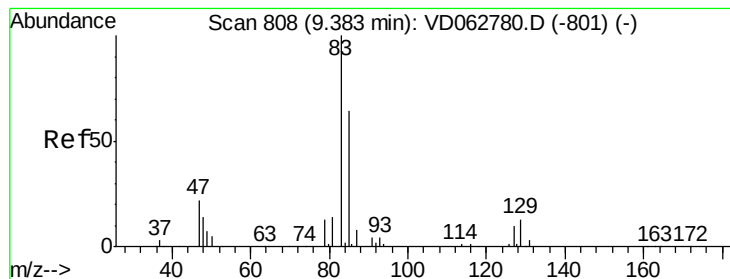
Tot Ion: 63 Resp: 298471
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.2



#46
 Dibromomethane
 Concen: 55.102 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 93 Resp: 255687
 Ion Ratio Lower Upper
 93 100
 95 86.8 66.6 100.0
 174 115.3 79.7 119.5





#47

Bromodichloromethane

Concen: 55.577 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

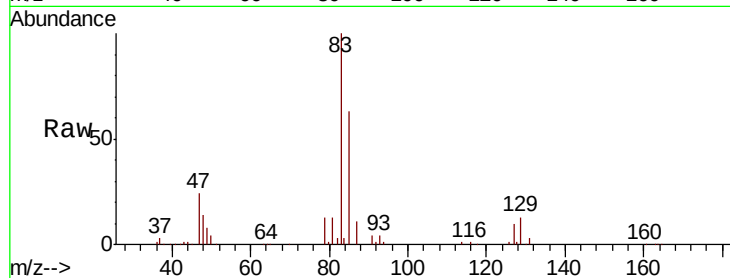
Tot Ion: 83 Resp: 669762

Ion Ratio Lower Upper

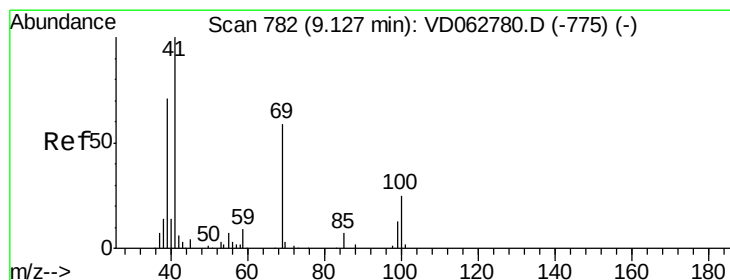
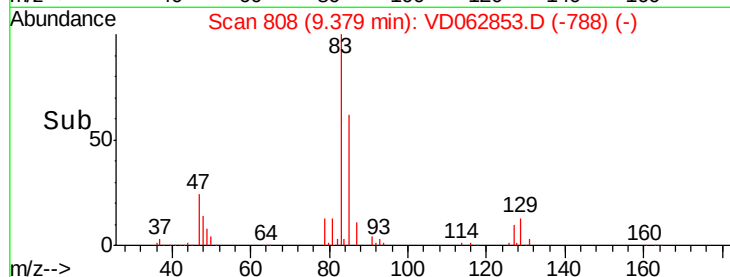
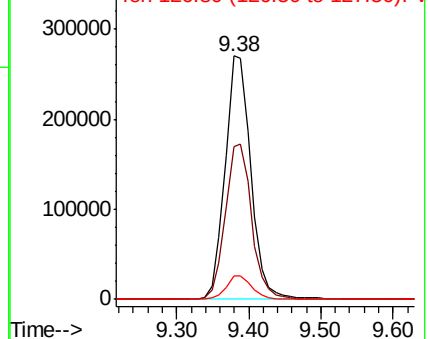
83 100

85 62.5 51.6 77.4

127 9.6 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: 62.108 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

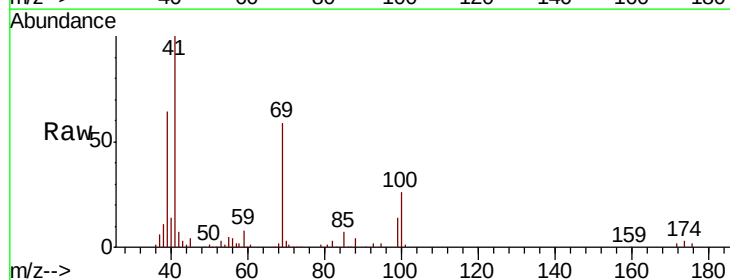
Tgt Ion: 41 Resp: 250421

Ion Ratio Lower Upper

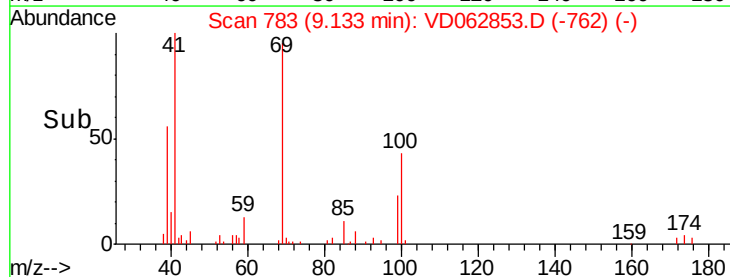
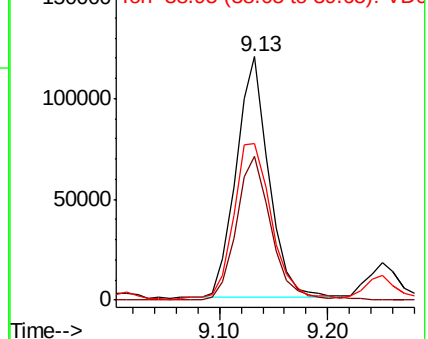
41 100

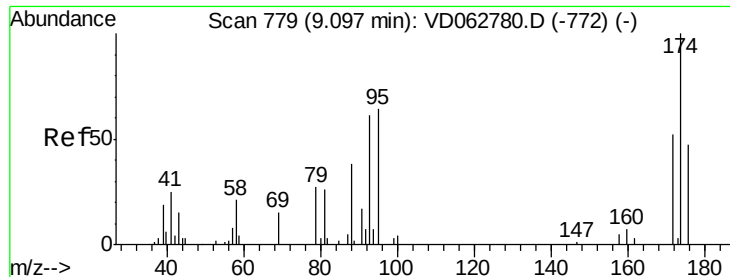
69 59.1 47.2 70.8

39 64.4 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

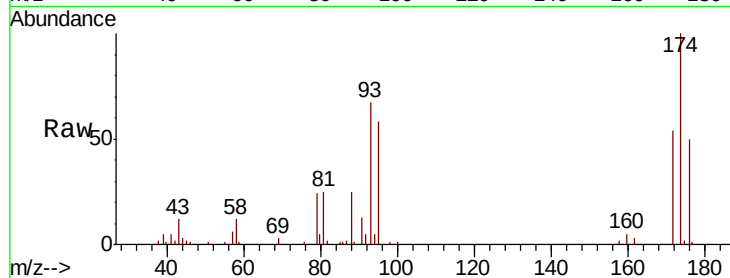




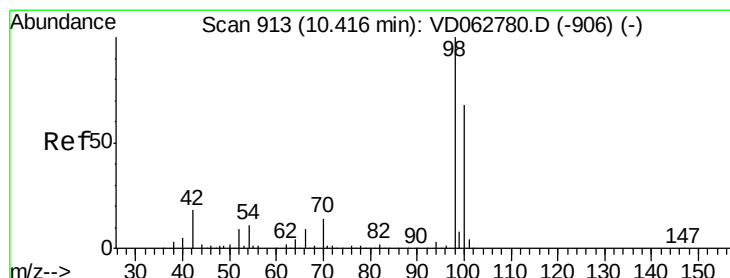
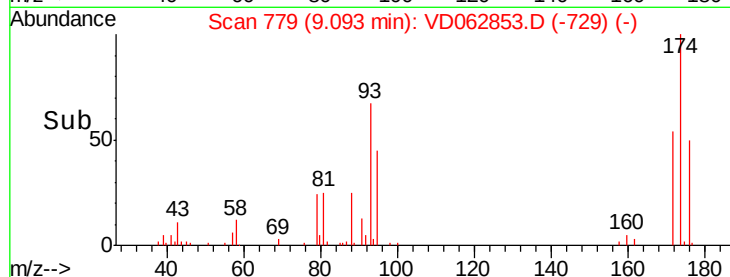
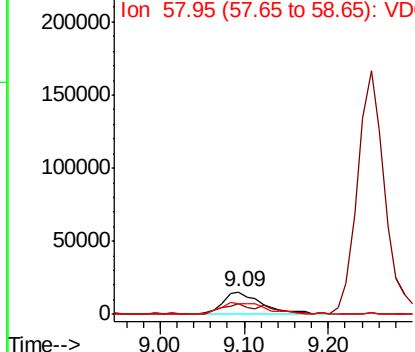
#49
1,4-Dioxane
Concen: 1469.432 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 49292
Ion Ratio Lower Upper
88 100
43 46.8 32.1 48.1
58 49.0 44.1 66.1

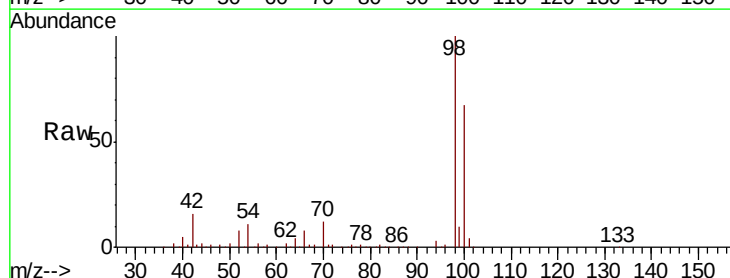


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

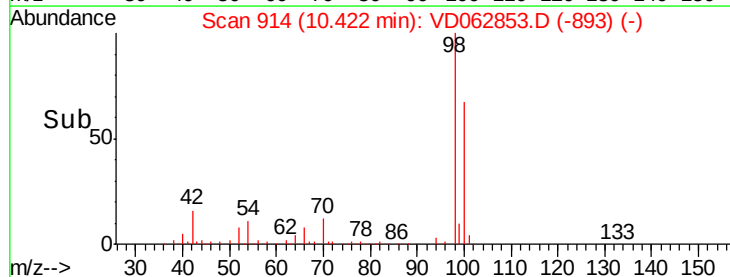
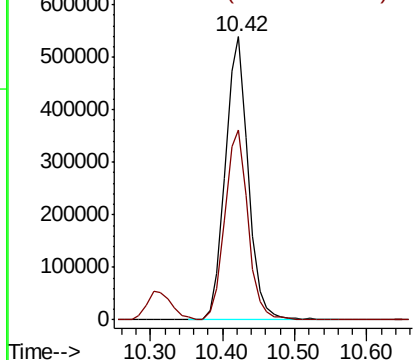


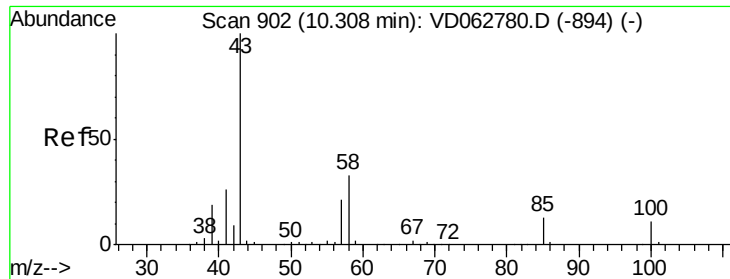
#50
Toluene-d8
Concen: 56.470 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 98 Resp: 1184787
Ion Ratio Lower Upper
98 100
100 67.2 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: 317.998 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

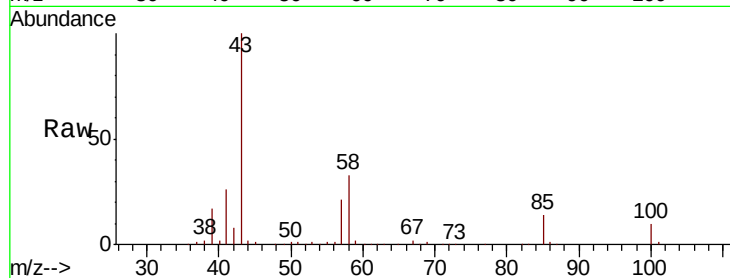
VSTDCCC050EC

Tot Ion: 43 Resp: 1279219

Ion Ratio Lower Upper

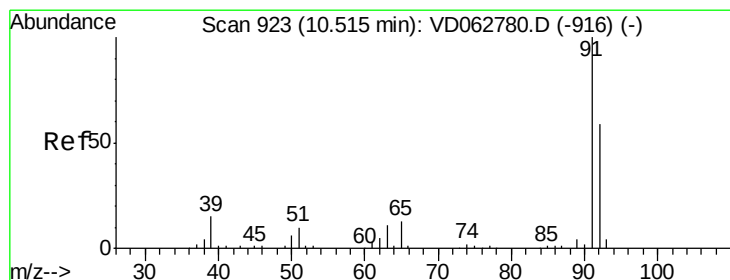
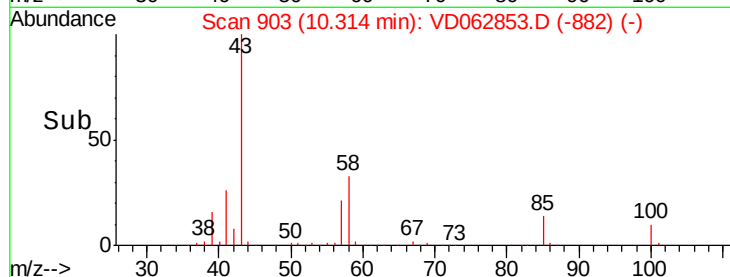
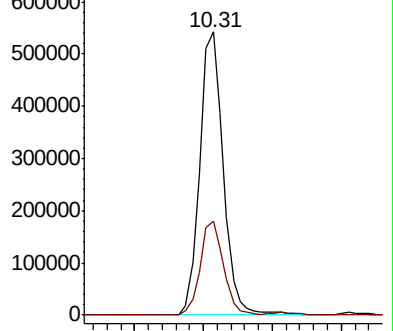
43 100

58 33.3 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.241 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062853.D

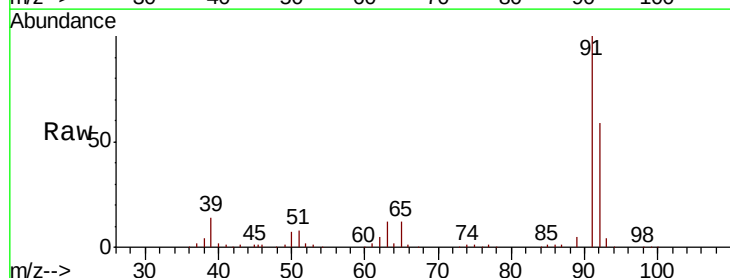
Acq: 24 Jun 2019 21:04

Tgt Ion: 92 Resp: 806678

Ion Ratio Lower Upper

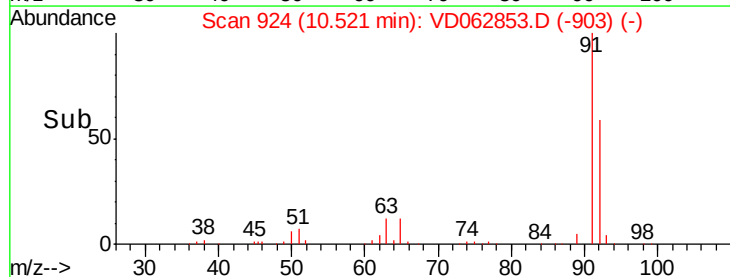
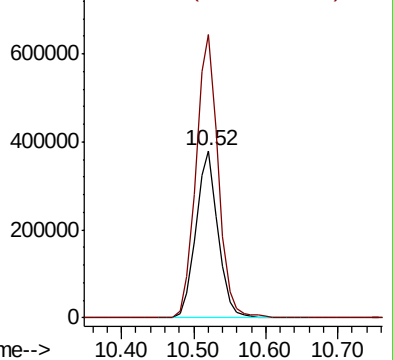
92 100

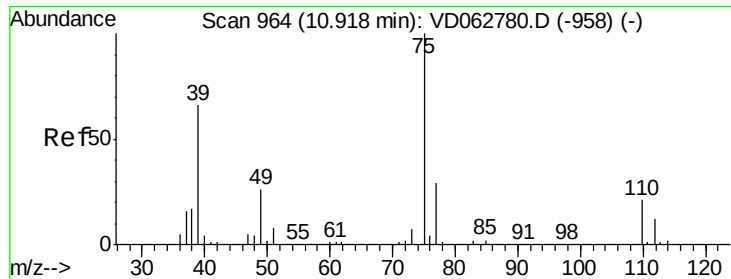
91 169.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

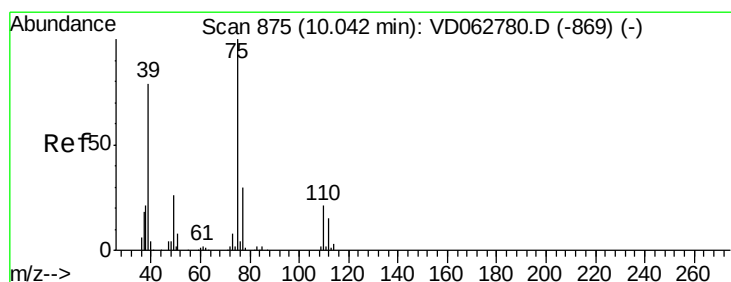
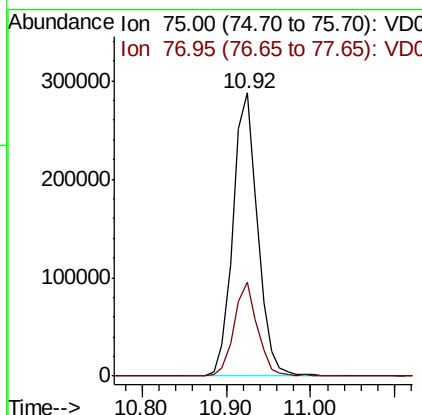
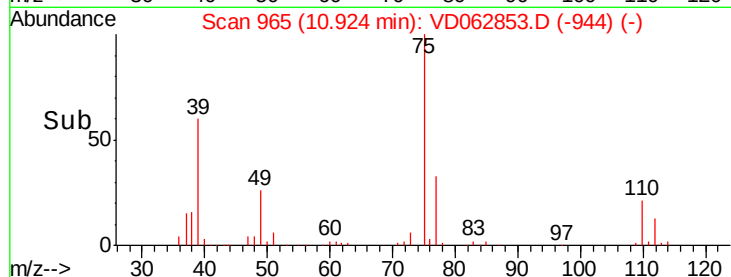
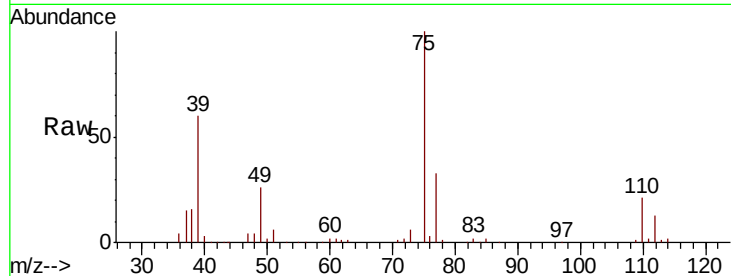




#53
 t-1,3-Dichloropropene
 Concen: 59.475 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

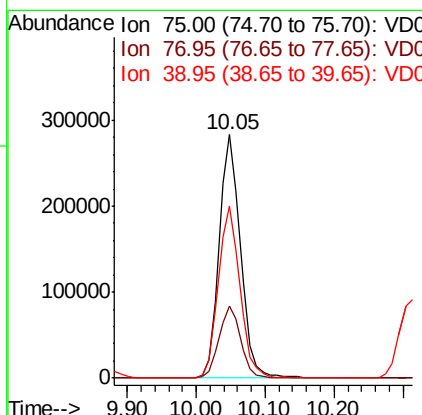
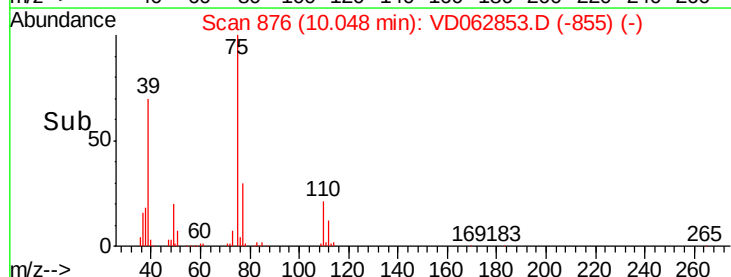
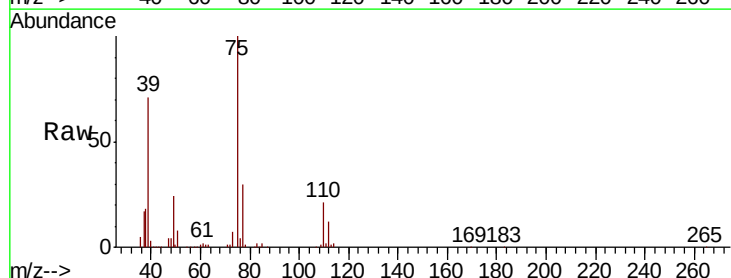
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

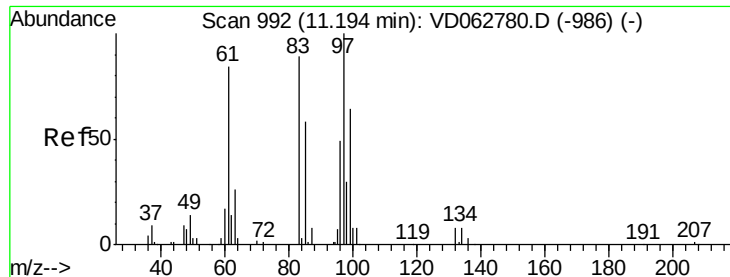
Tot Ion: 75 Resp: 586648
 Ion Ratio Lower Upper
 75 100
 77 33.2 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.430 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 75 Resp: 604992
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.2 36.2
 39 70.7 63.5 95.3

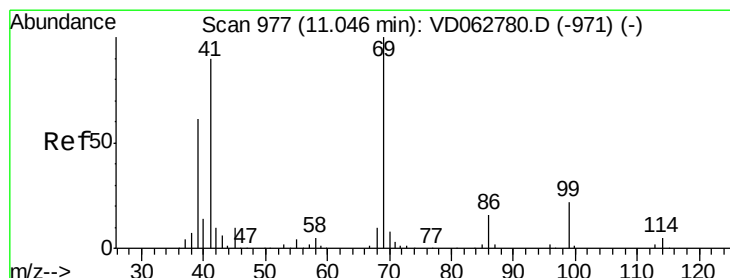
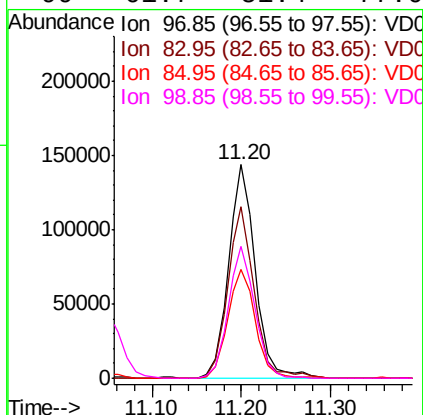
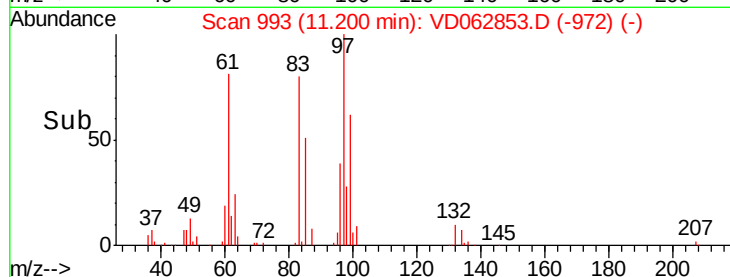
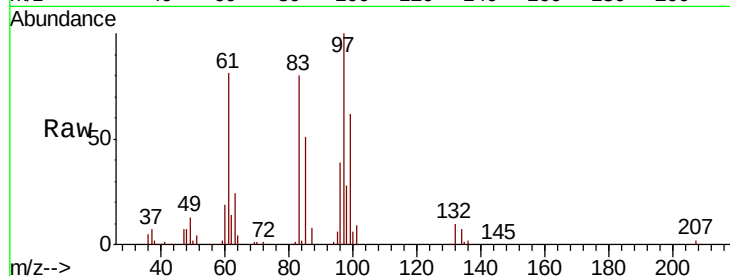




#55
 1,1,2-Trichloroethane
 Concen: 60.415 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

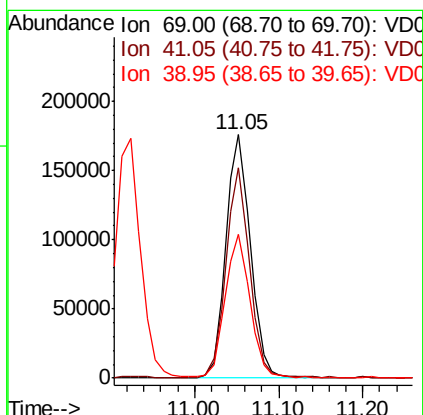
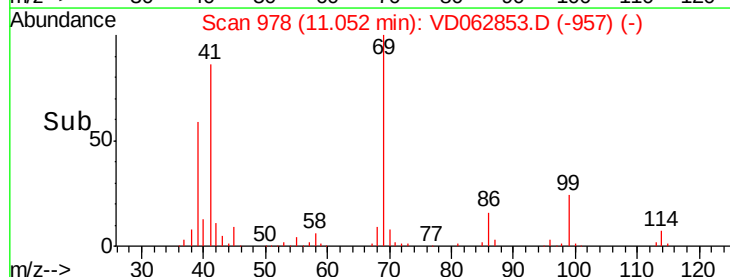
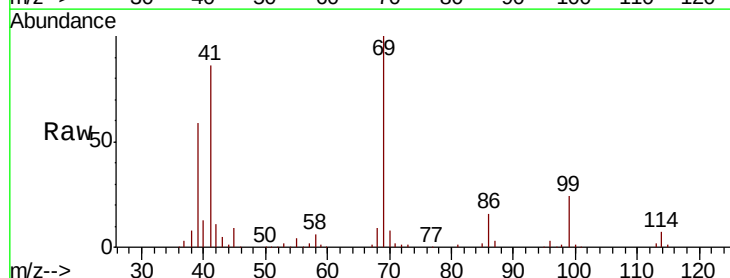
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

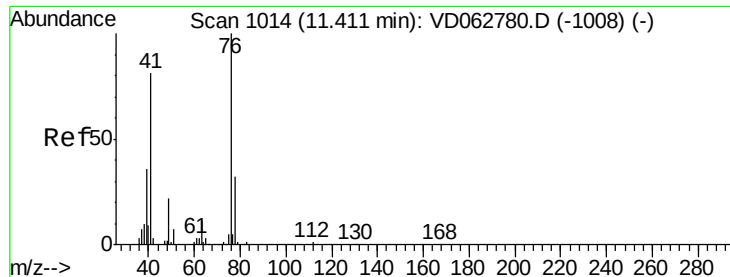
Tot Ion:	97	Resp:	303105
Ion	Ratio	Lower	Upper
97	100		
83	80.3	71.0	106.4
85	50.7	46.6	69.8
99	61.7	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 66.578 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:	69	Resp:	356965
Ion	Ratio	Lower	Upper
69	100		
41	86.4	72.0	108.0
39	59.3	49.5	74.3





#57

1,3-Dichloropropane

Concen: 56.027 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

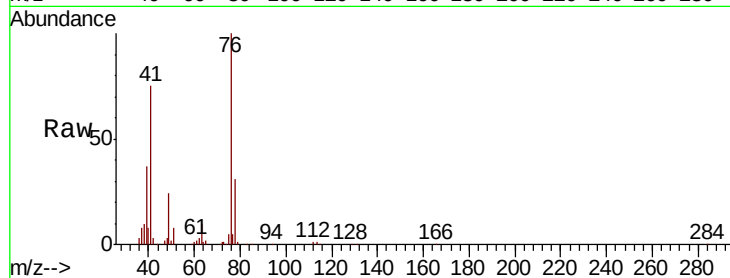
VSTDCCC050EC

Tot Ion: 76 Resp: 430394

Ion Ratio Lower Upper

76 100

78 30.8 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

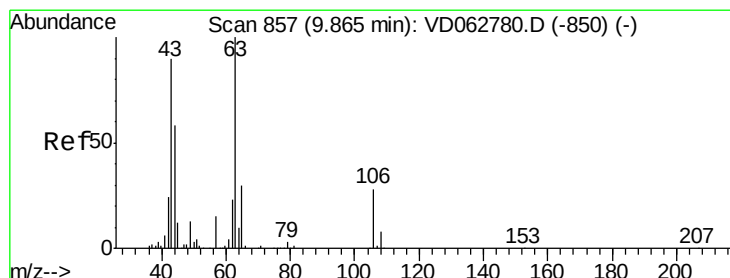
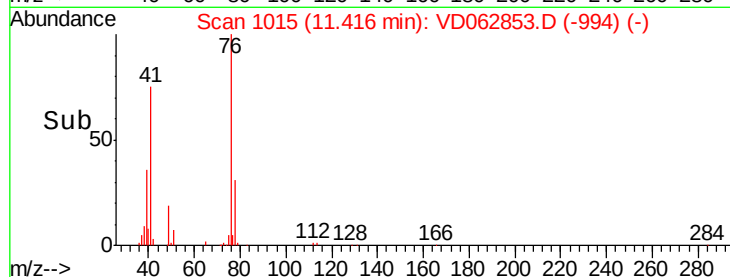
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 324.646 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062853.D

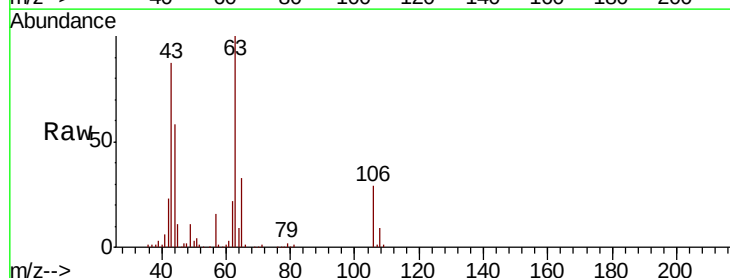
Acq: 24 Jun 2019 21:04

Tgt Ion: 63 Resp: 893611

Ion Ratio Lower Upper

63 100

106 29.1 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.87

400000

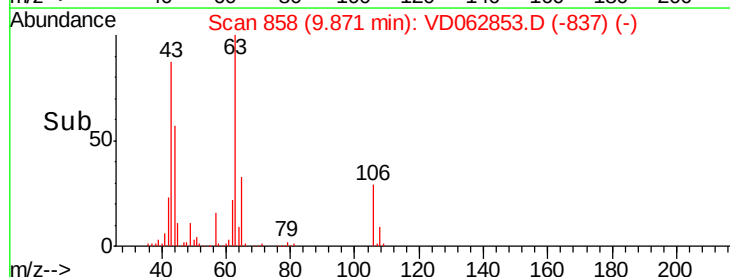
300000

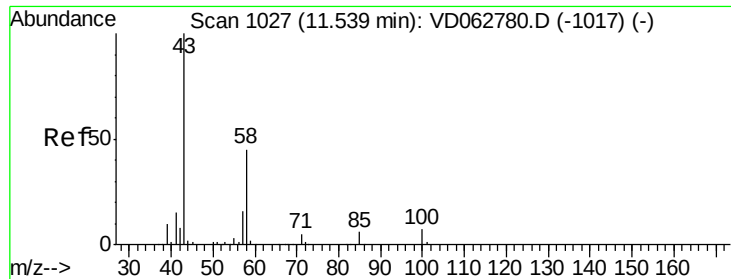
200000

100000

0

Time--> 9.80 9.90 10.00

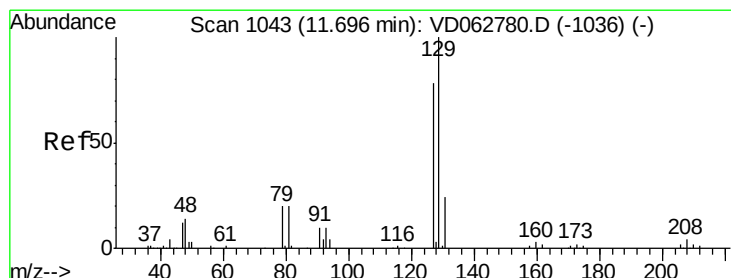
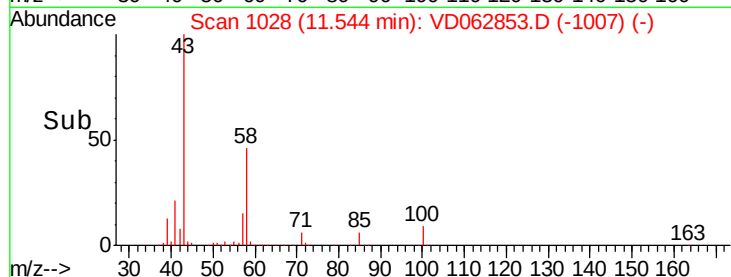
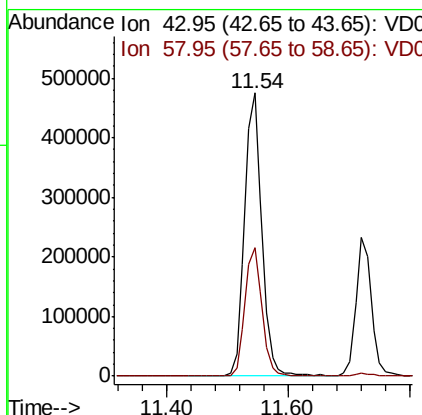
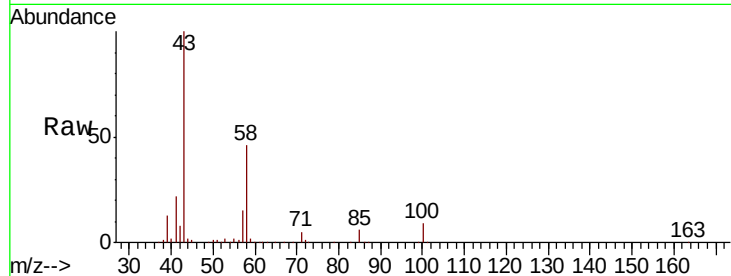




#59
2-Hexanone
Concen: 329.338 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

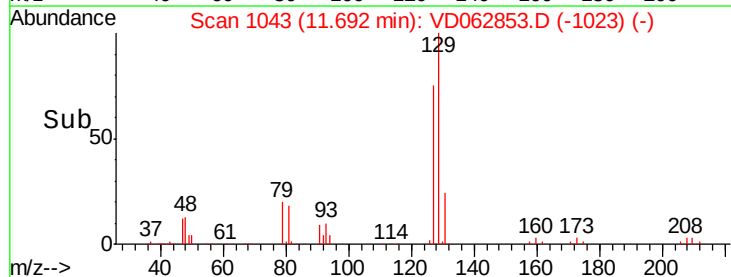
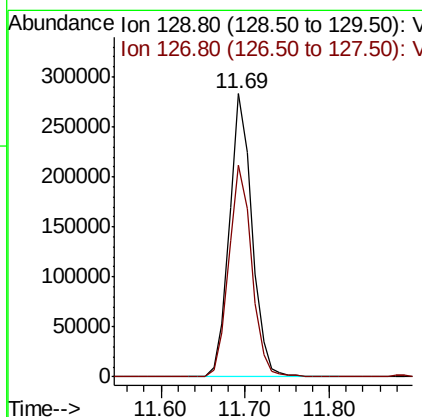
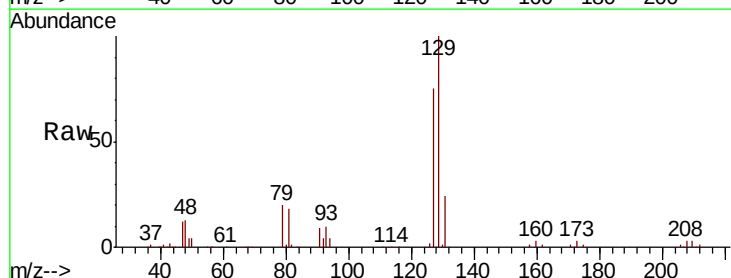
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

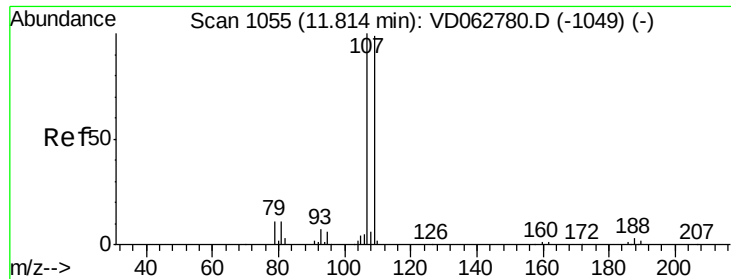
Tot Ion: 43 Resp: 943535
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2



#60
Dibromochloromethane
Concen: 56.719 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:129 Resp: 530028
Ion Ratio Lower Upper
129 100
127 74.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 61.136 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

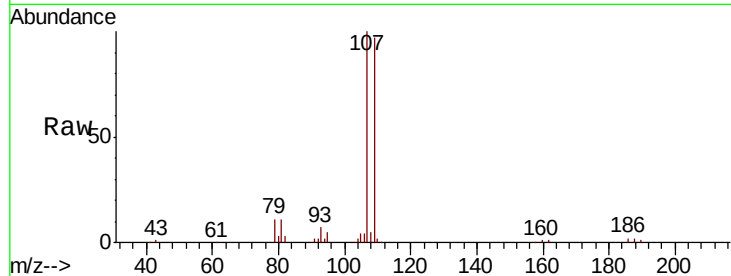
VSTDCCC050EC

Tot Ion:107 Resp: 362250

Ion Ratio Lower Upper

107 100

109 96.7 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

200000

150000

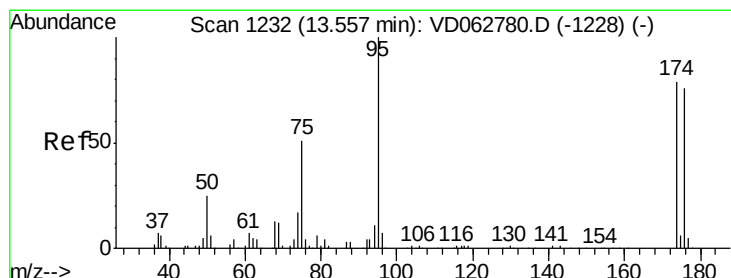
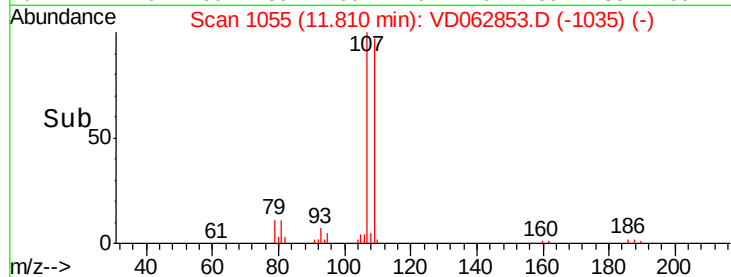
100000

50000

0

Time-->

11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 55.843 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

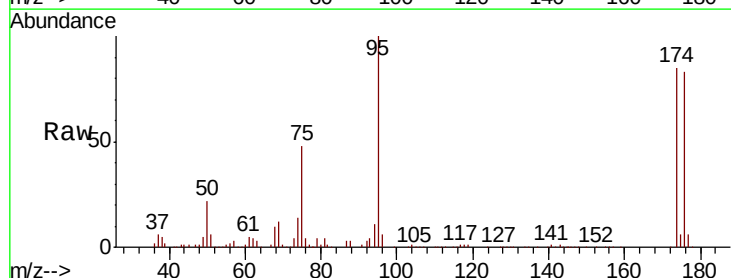
Tgt Ion: 95 Resp: 532746

Ion Ratio Lower Upper

95 100

174 84.8 0.0 158.0

176 83.3 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

500000

400000

300000

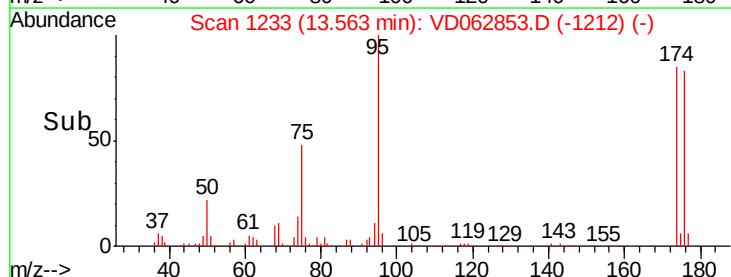
200000

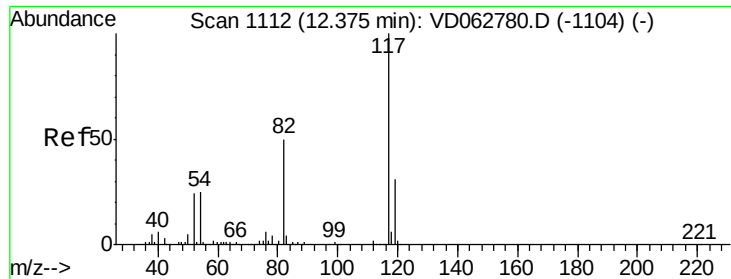
100000

0

Time-->

13.50 13.60

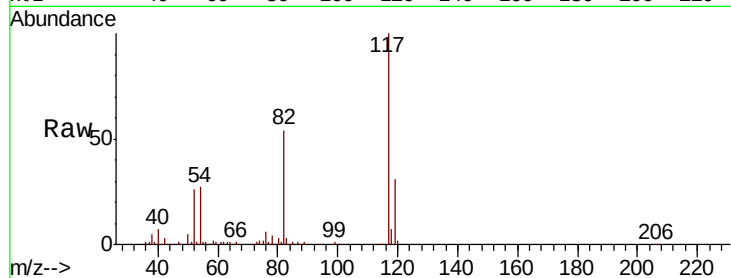




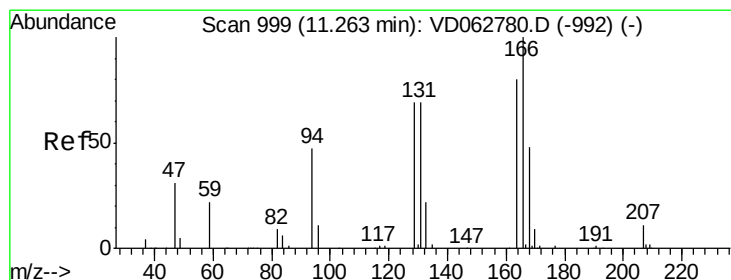
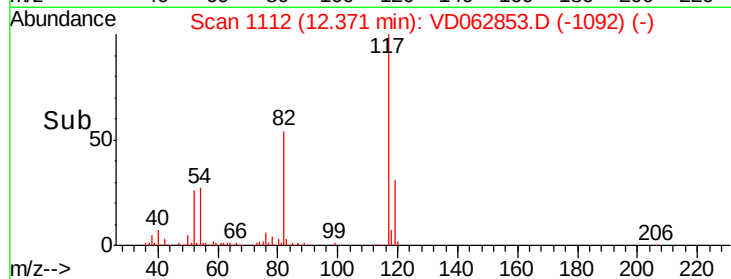
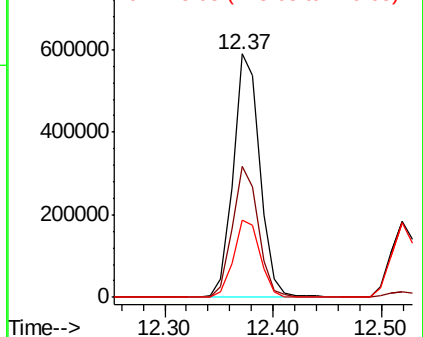
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1010762
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 31.5 25.2 37.8

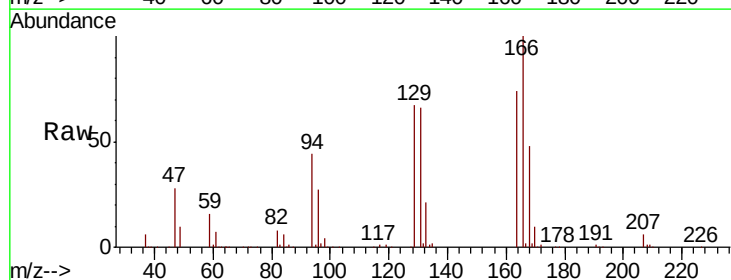


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

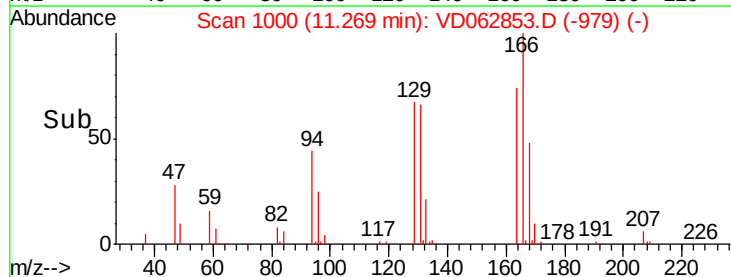
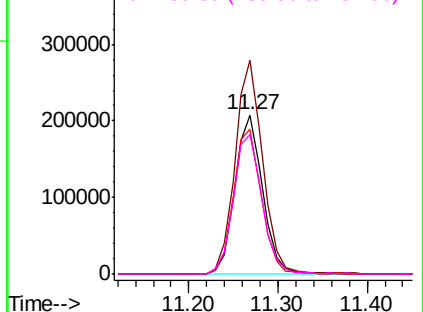


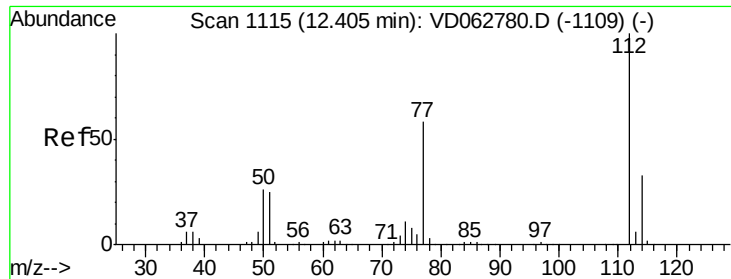
#64
Tetrachloroethene
Concen: 53.758 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:164 Resp: 447203
Ion Ratio Lower Upper
164 100
166 134.3 100.6 150.8
129 90.6 69.4 104.0
131 88.0 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

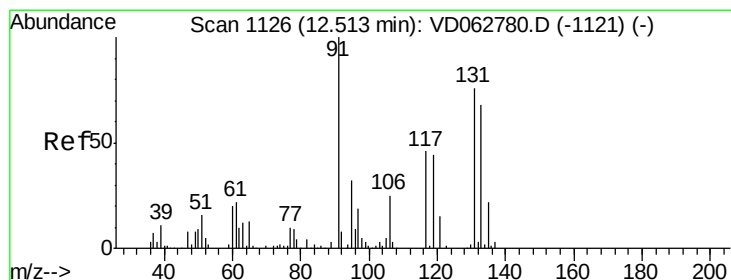
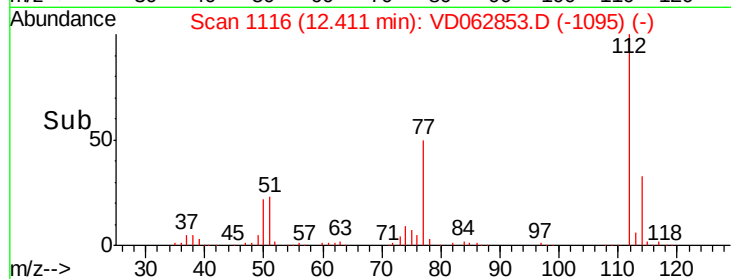
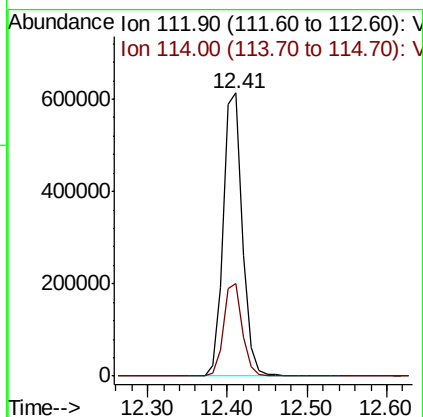
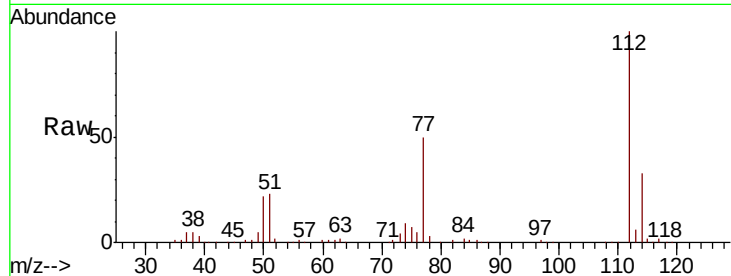




#65
Chlorobenzene
Concen: 55.798 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

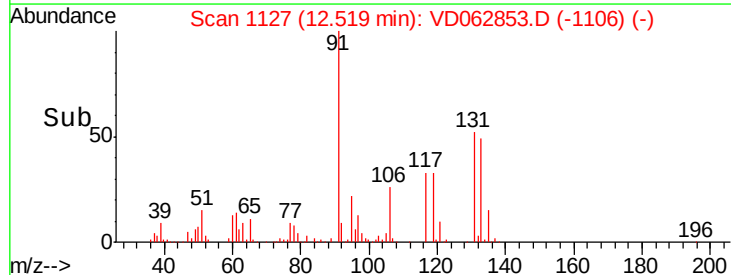
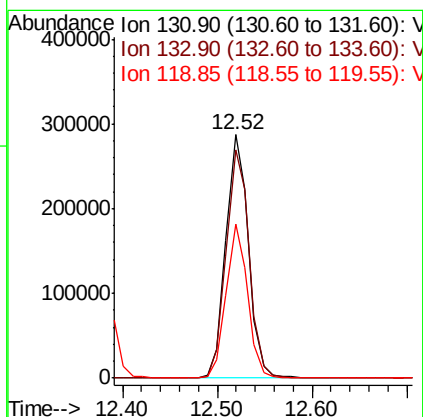
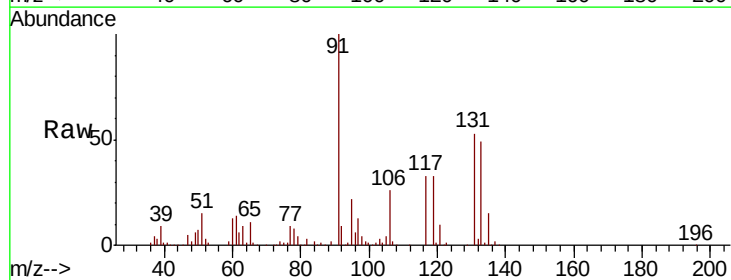
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

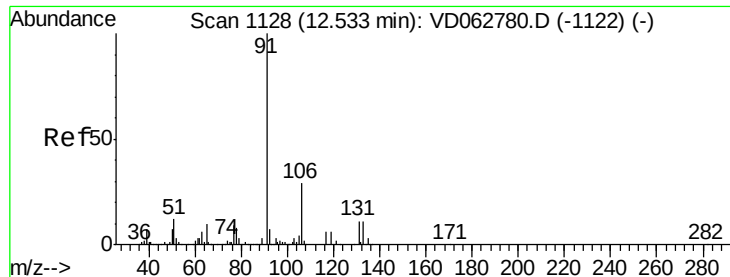
Tot Ion:112 Resp: 1046699
Ion Ratio Lower Upper
112 100
114 32.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.973 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:131 Resp: 473487
Ion Ratio Lower Upper
131 100
133 93.5 44.5 133.3
119 63.2 28.6 85.9

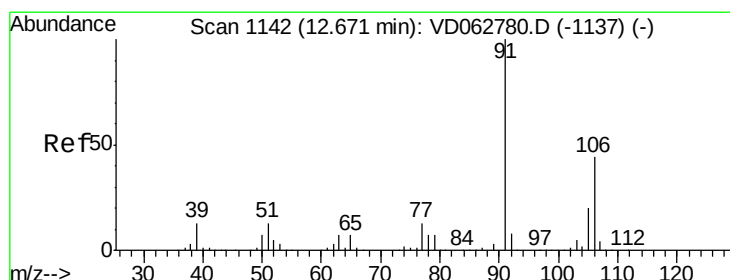
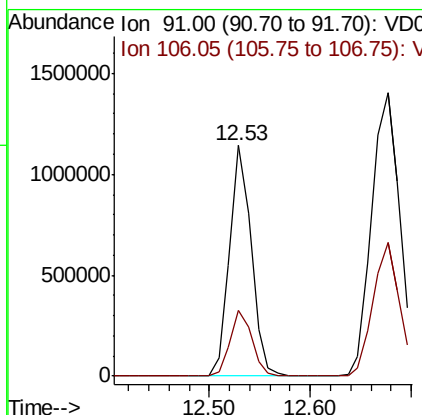
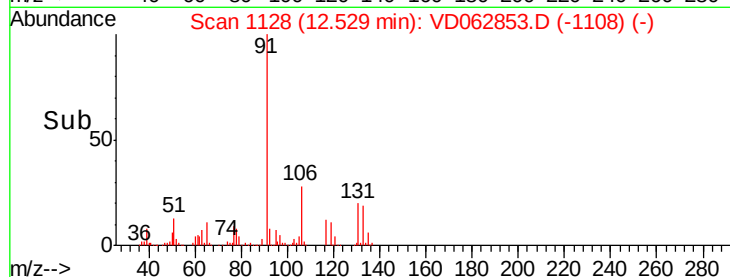
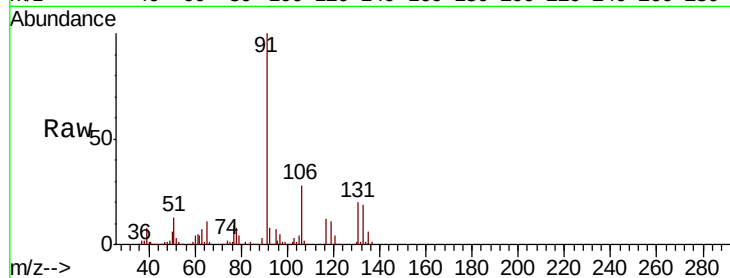




#67
Ethyl Benzene
Concen: 50.917 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

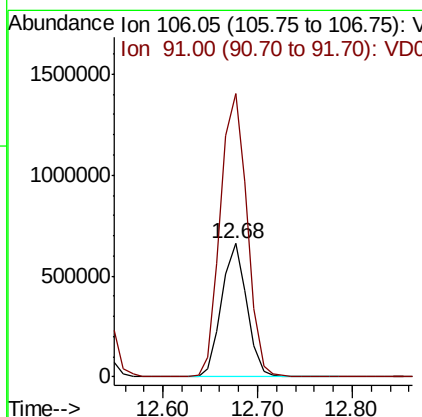
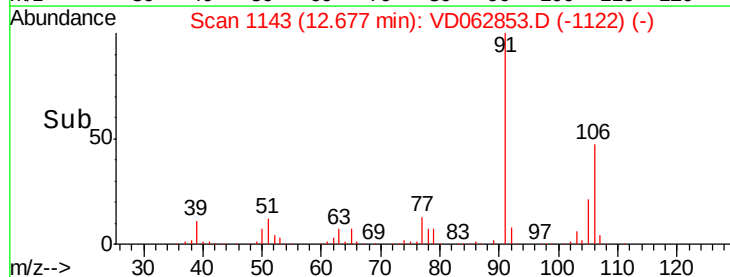
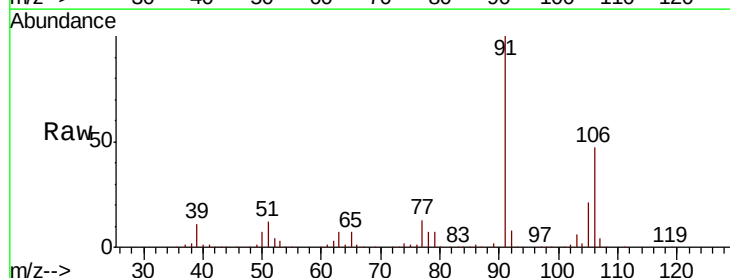
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

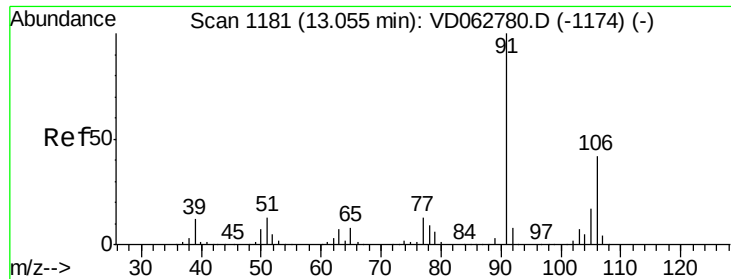
Tot Ion: 91 Resp: 1714834
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7



#68
m/p-Xylenes
Concen: 104.369 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 106 Resp: 1224257
Ion Ratio Lower Upper
106 100
91 212.0 183.0 274.6

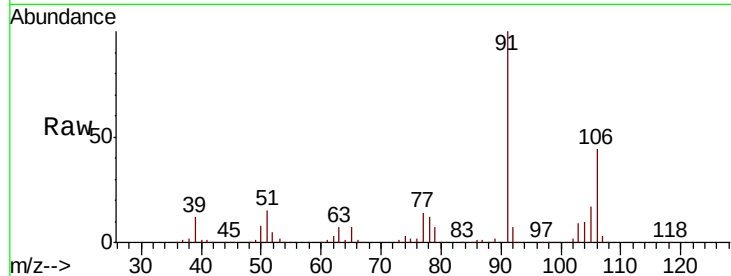




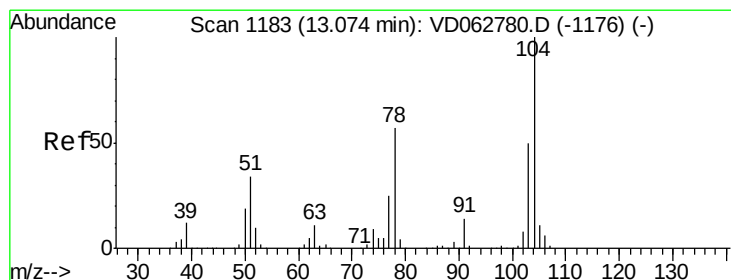
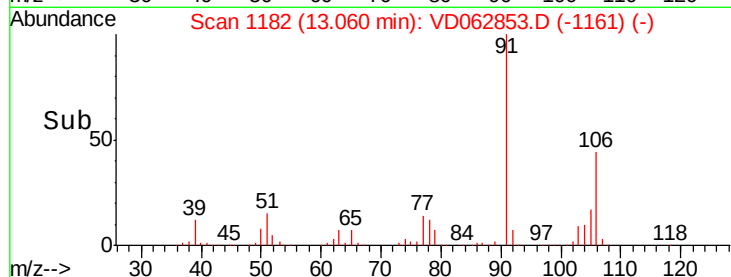
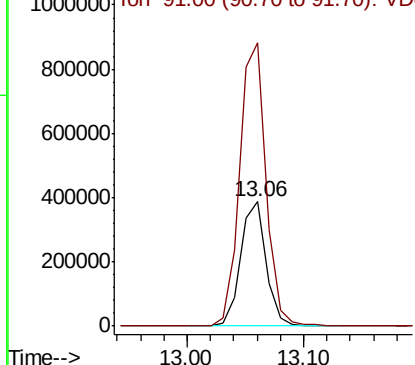
#69
o-Xylene
Concen: 54.719 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 586762
Ion Ratio Lower Upper
106 100
91 227.4 117.9 353.6

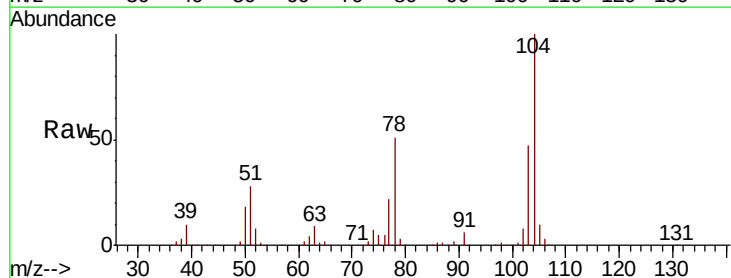


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

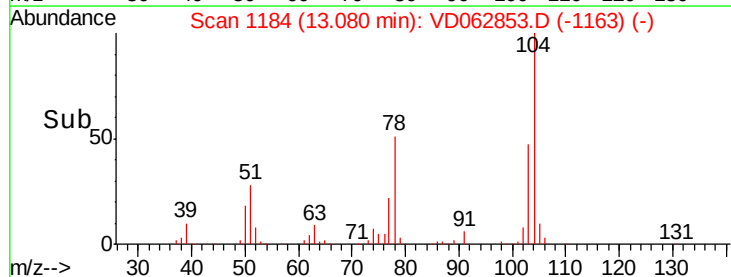
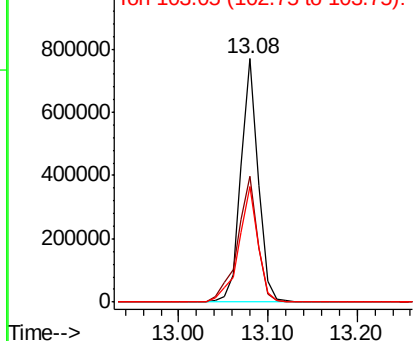


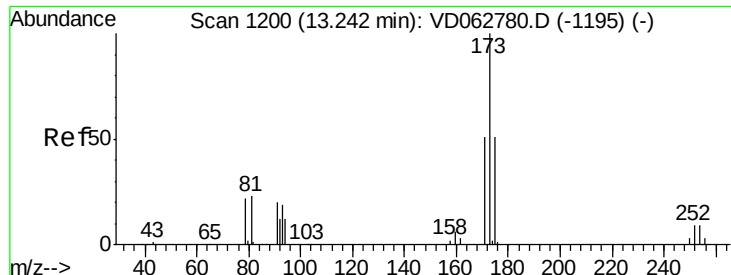
#70
Styrene
Concen: 55.520 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:104 Resp: 1045710
Ion Ratio Lower Upper
104 100
78 51.5 45.4 68.2
103 47.5 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: 58.464 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

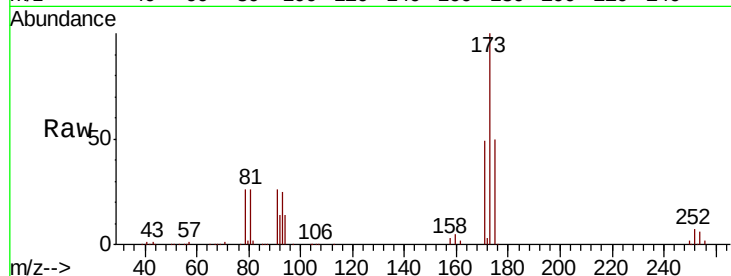
Tot Ion:173 Resp: 351400

Ion Ratio Lower Upper

173 100

175 49.7 25.3 75.9

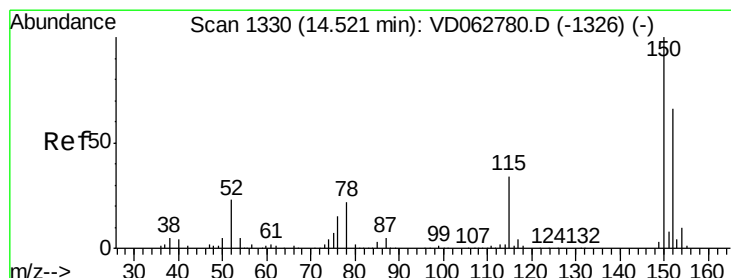
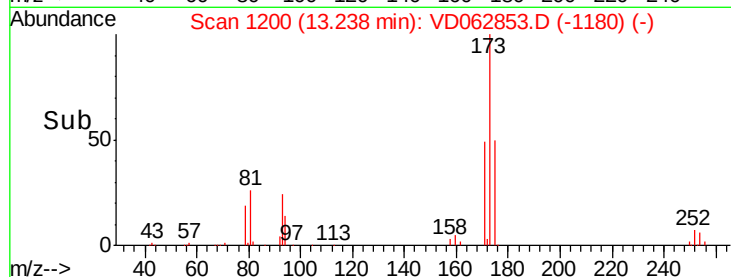
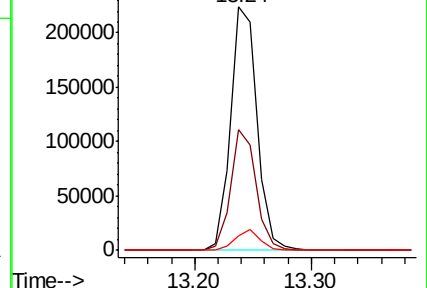
254 5.8 7.1 10.7#



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: VD062853.D

Acq: 24 Jun 2019 21:04

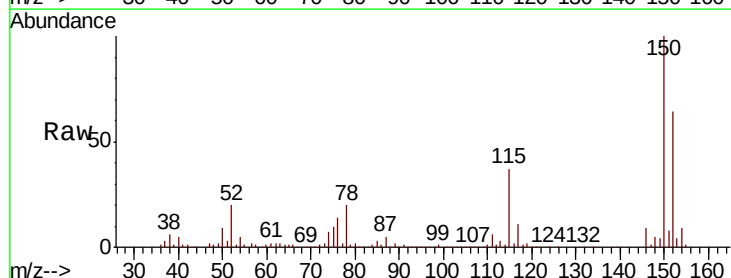
Tgt Ion:152 Resp: 532864

Ion Ratio Lower Upper

152 100

115 57.4 29.2 87.6

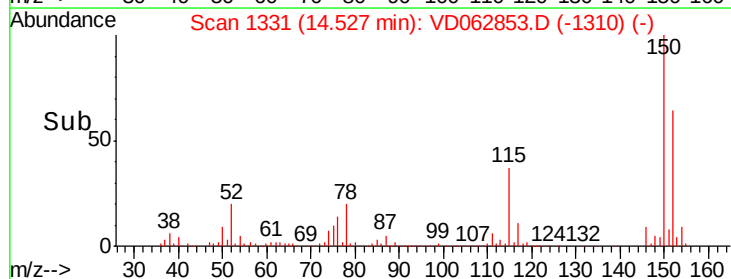
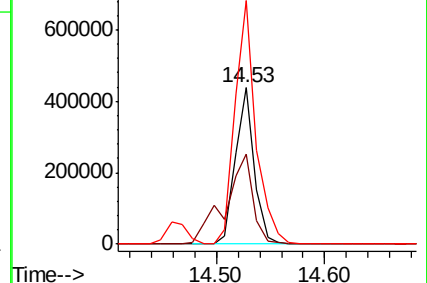
150 155.6 0.0 305.8

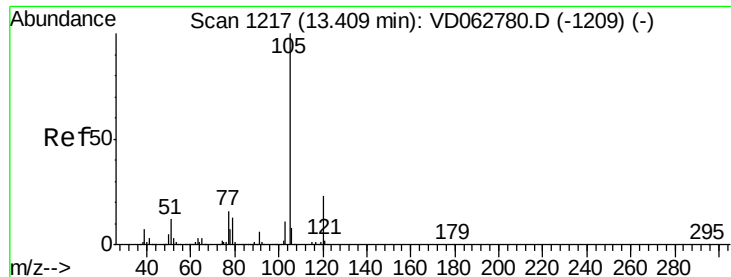


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.781 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

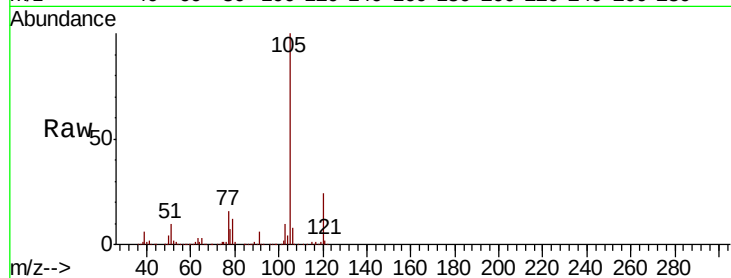
VSTDCCC050EC

Tot Ion:105 Resp: 1666648

Ion Ratio Lower Upper

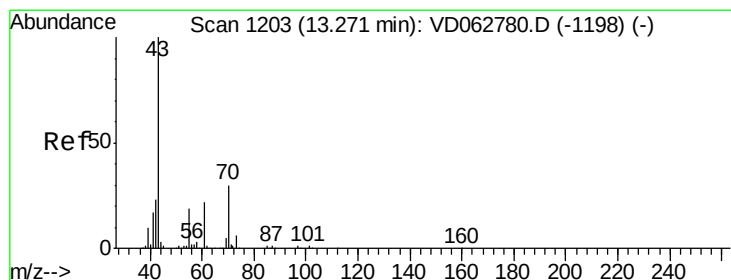
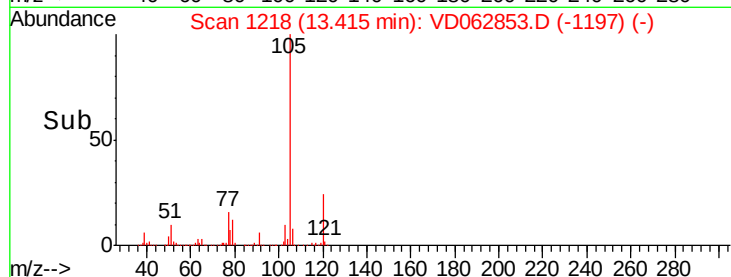
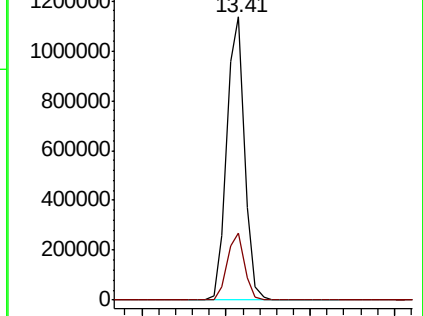
105 100

120 23.7 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: 64.916 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 538619

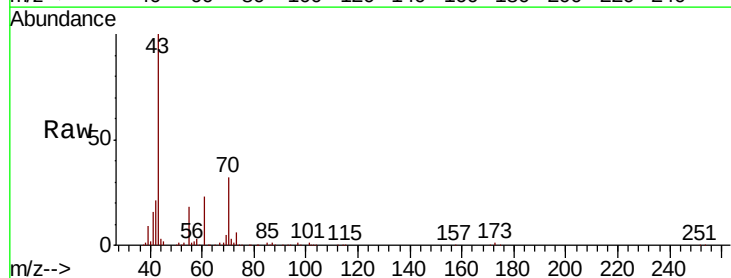
Ion Ratio Lower Upper

43 100

70 31.6 24.4 36.6

55 17.9 15.2 22.8

61 23.1 17.4 26.2

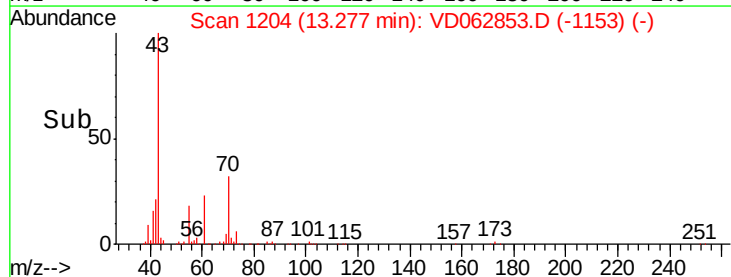
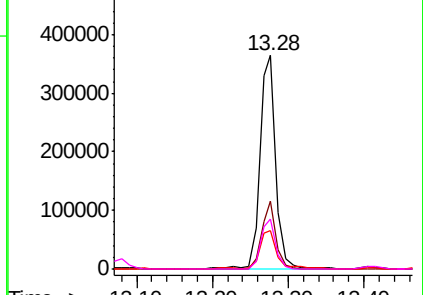


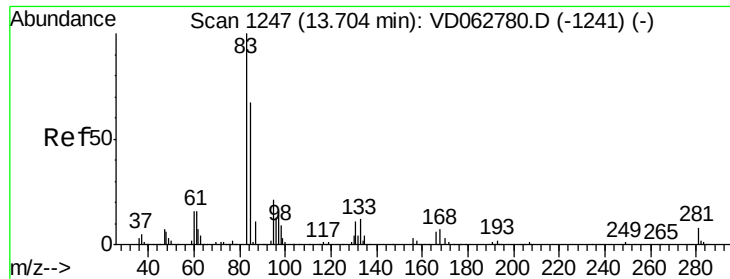
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 60.144 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

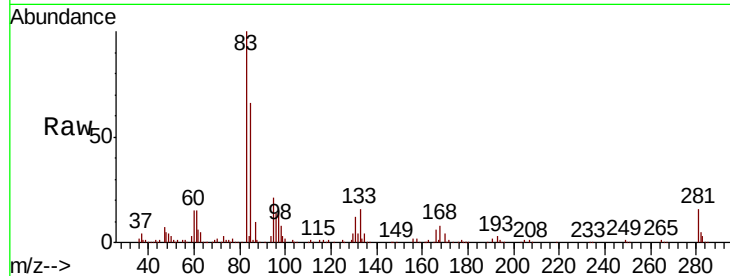
Tot Ion: 83 Resp: 334812

Ion Ratio Lower Upper

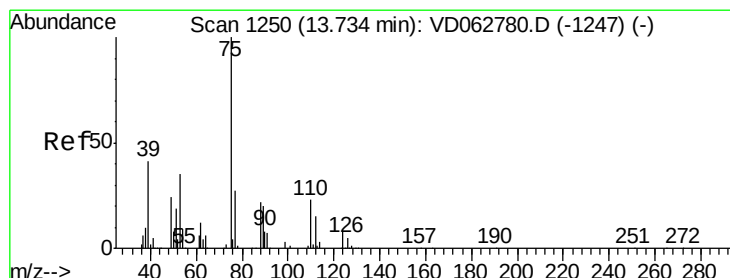
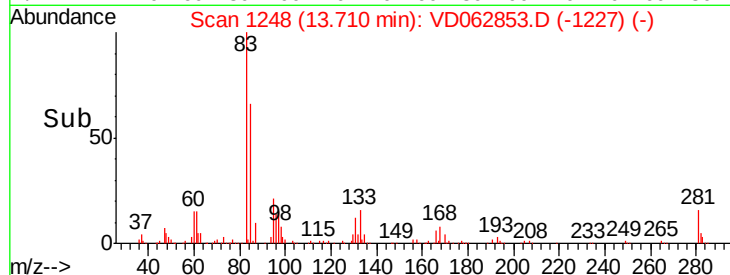
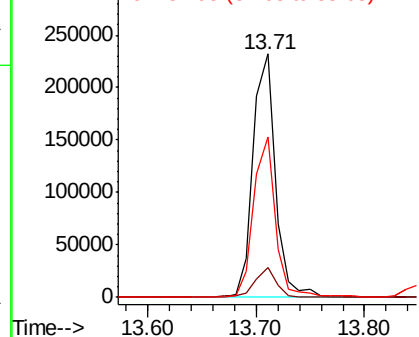
83 100

131 12.3 5.3 16.1

85 65.8 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 60.064 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062853.D

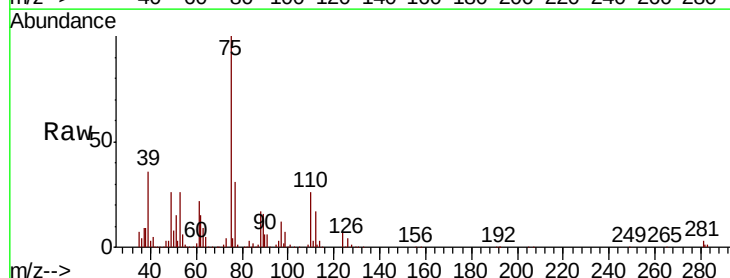
Acq: 24 Jun 2019 21:04

Tgt Ion: 75 Resp: 369484

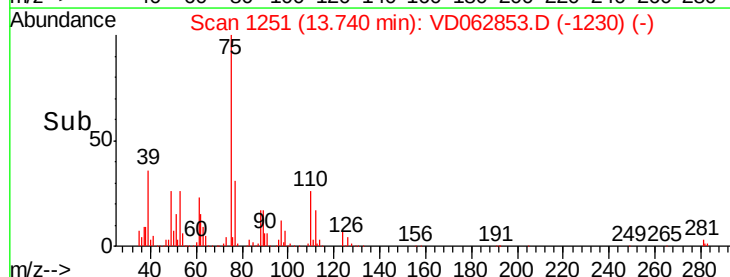
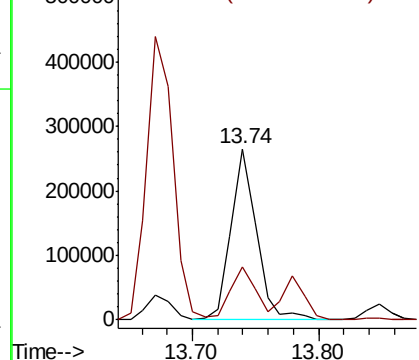
Ion Ratio Lower Upper

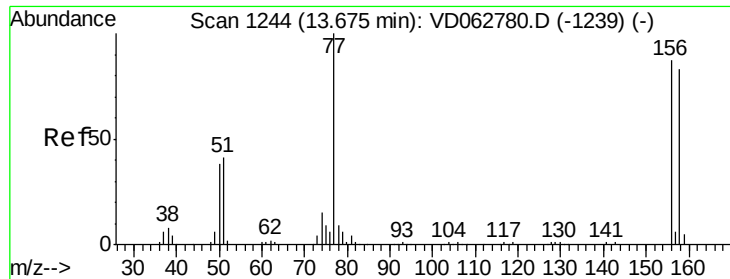
75 100

77 30.9 15.0 45.1



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





#77

Bromobenzene

Concen: 56.599 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

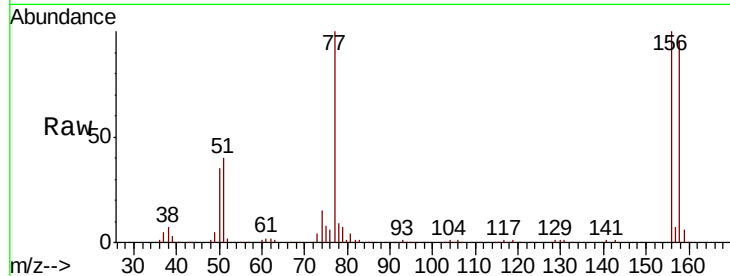
Tot Ion:156 Resp: 520130

Ion Ratio Lower Upper

156 100

77 99.5 57.7 173.1

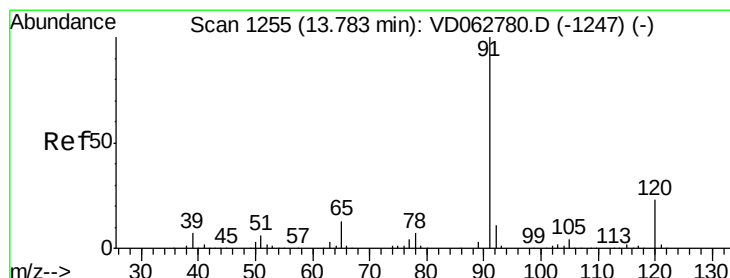
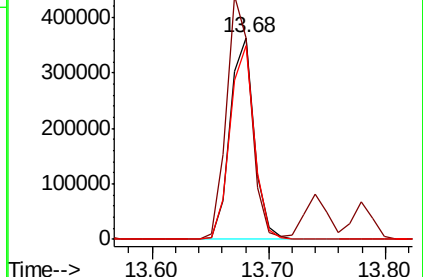
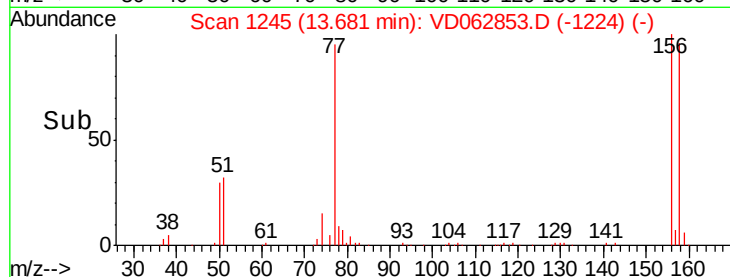
158 96.0 47.7 143.1



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



#78

n-propylbenzene

Concen: 49.216 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062853.D

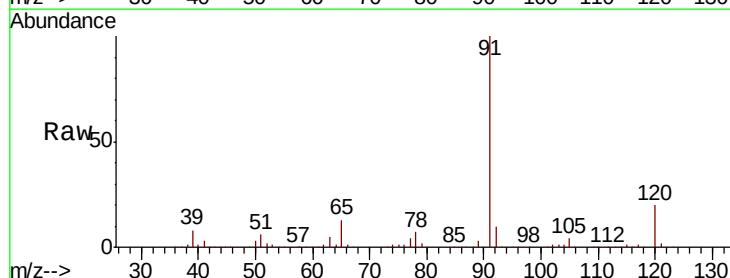
Acq: 24 Jun 2019 21:04

Tgt Ion: 91 Resp: 1957142

Ion Ratio Lower Upper

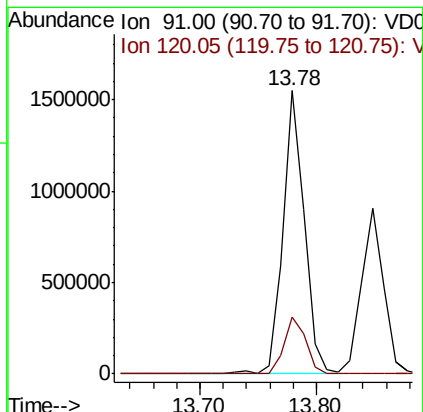
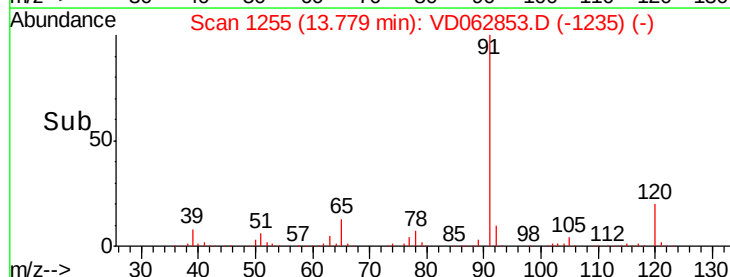
91 100

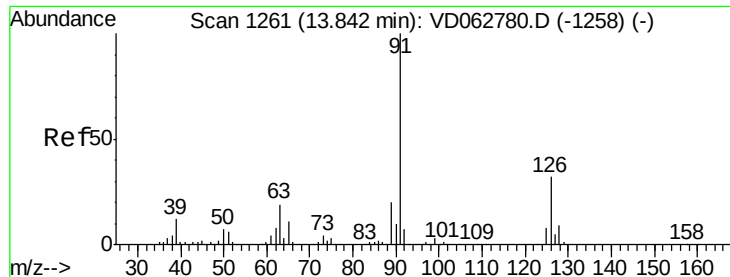
120 20.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

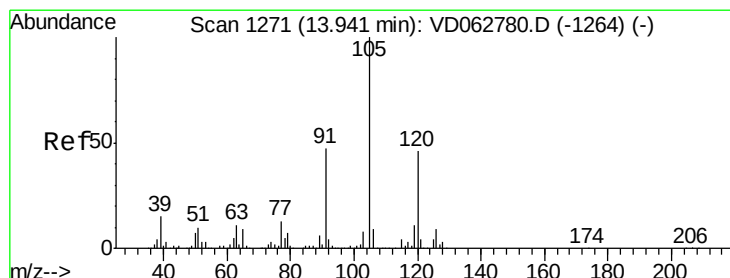
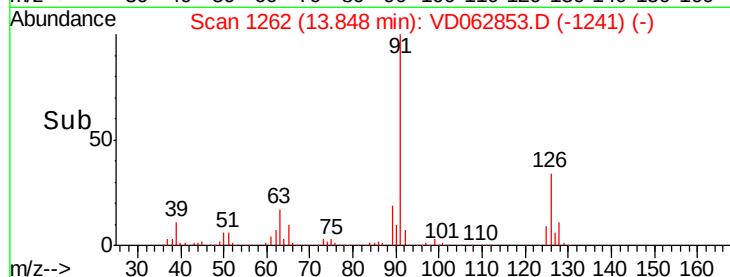
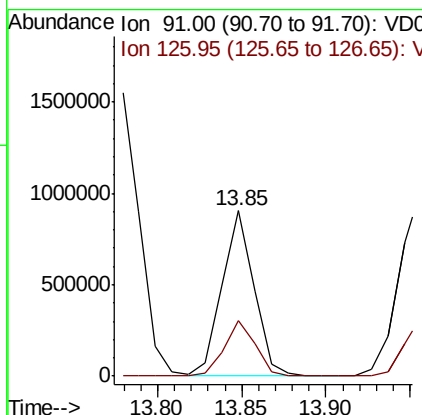
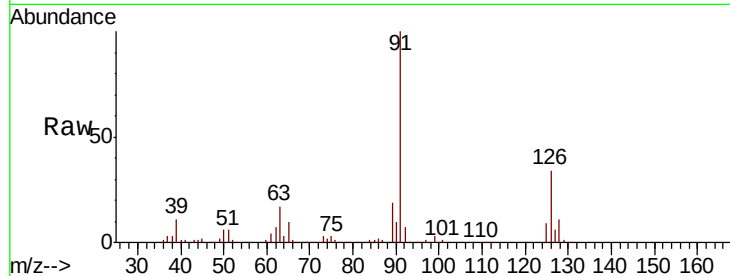




#79
 2-Chlorotoluene
 Concen: 52.278 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

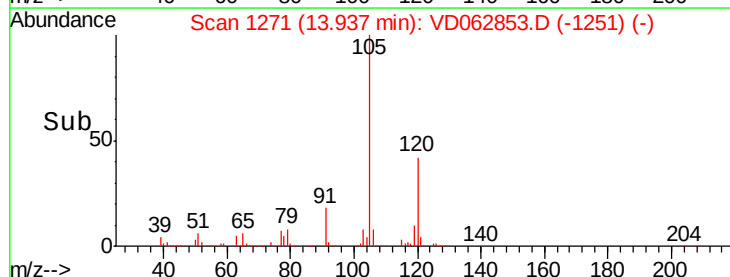
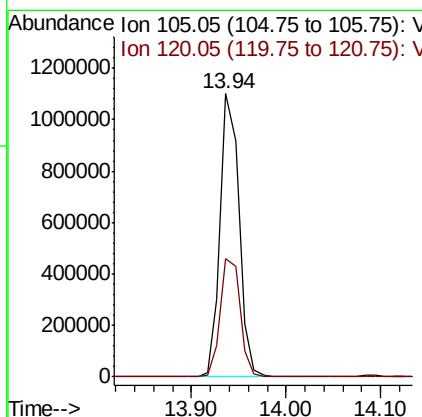
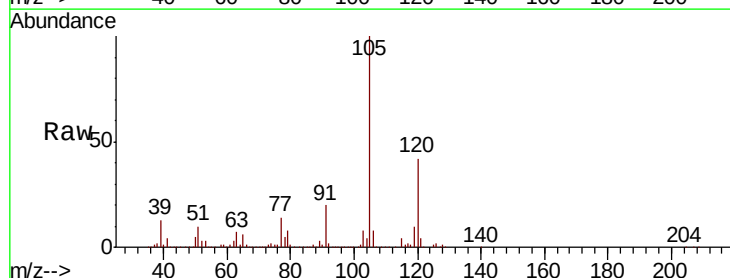
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

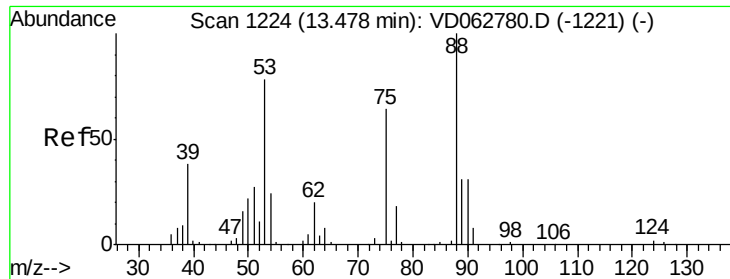
Tot Ion: 91 Resp: 1188047
 Ion Ratio Lower Upper
 91 100
 126 33.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 52.909 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 105 Resp: 1518409
 Ion Ratio Lower Upper
 105 100
 120 41.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 59.298 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

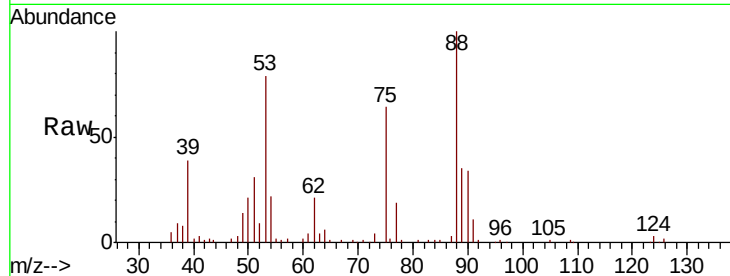
Tot Ion: 75 Resp: 95601

Ion Ratio Lower Upper

75 100

53 124.9 97.8 146.8

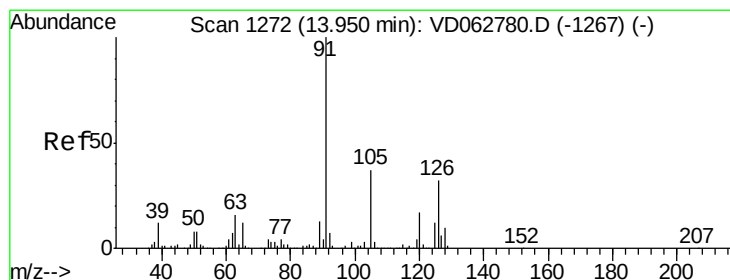
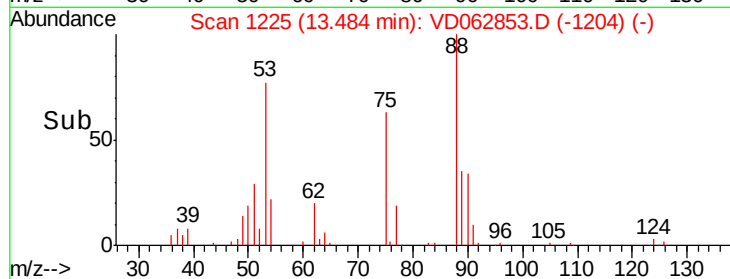
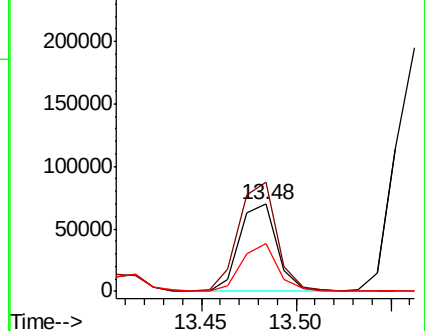
89 54.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.875 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062853.D

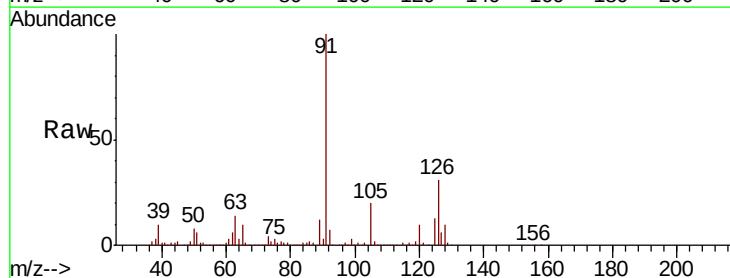
Acq: 24 Jun 2019 21:04

Tgt Ion: 91 Resp: 1419276

Ion Ratio Lower Upper

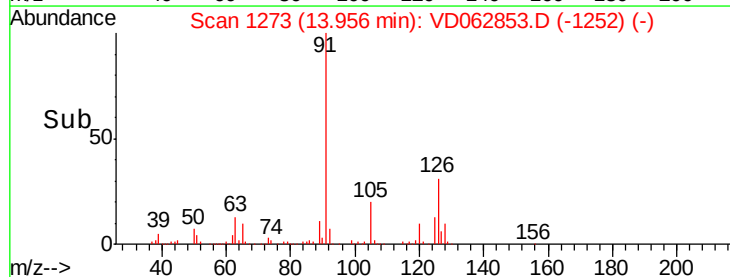
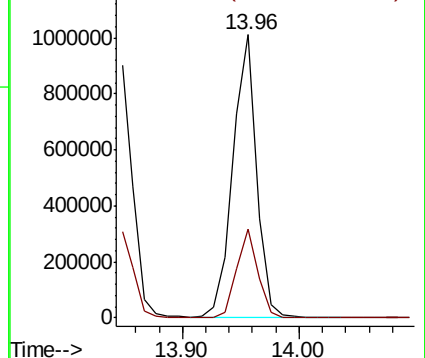
91 100

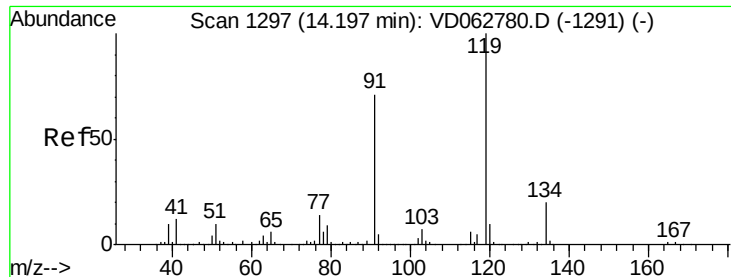
126 31.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 49.663 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

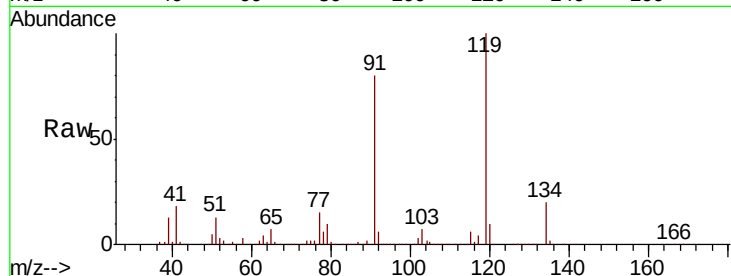
Tot Ion:119 Resp: 1588664

Ion Ratio Lower Upper

119 100

91 80.3 35.5 106.5

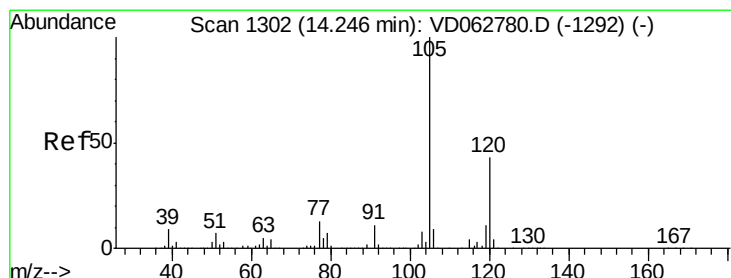
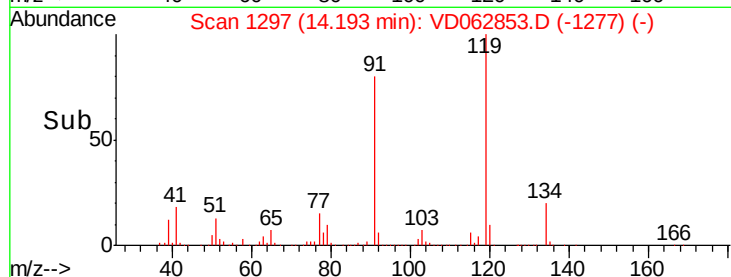
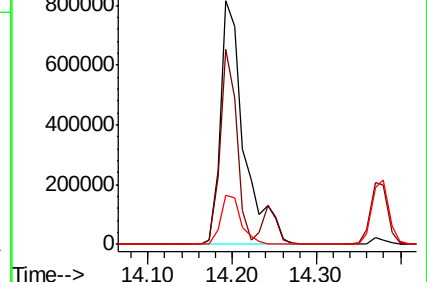
134 20.0 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.047 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062853.D

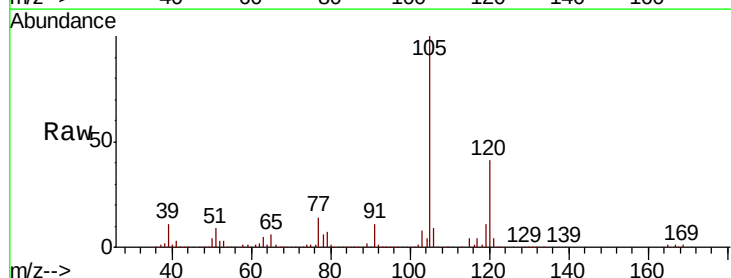
Acq: 24 Jun 2019 21:04

Tgt Ion:105 Resp: 1472104

Ion Ratio Lower Upper

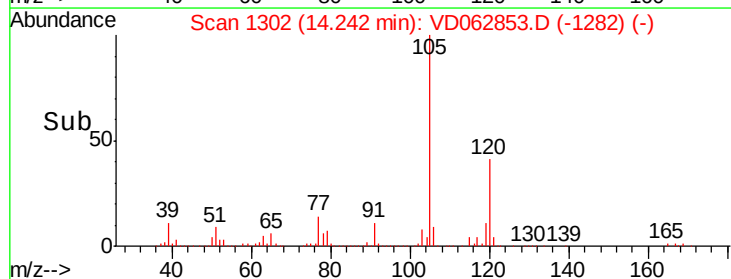
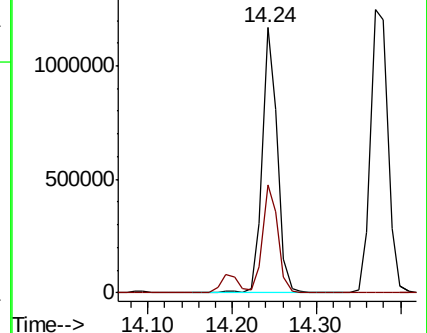
105 100

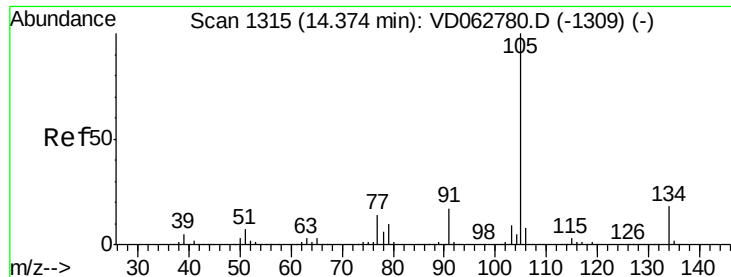
120 40.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

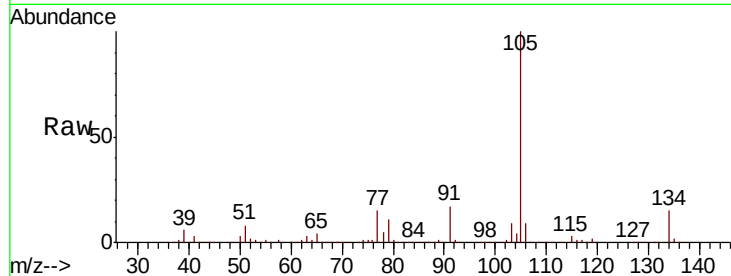




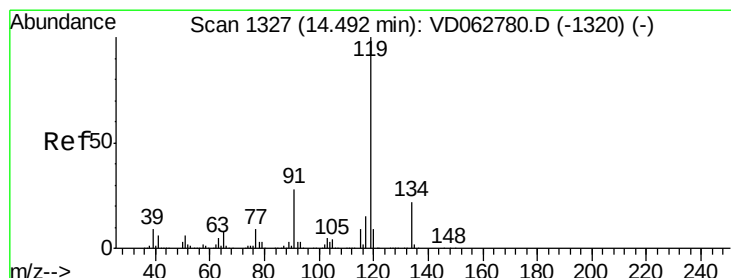
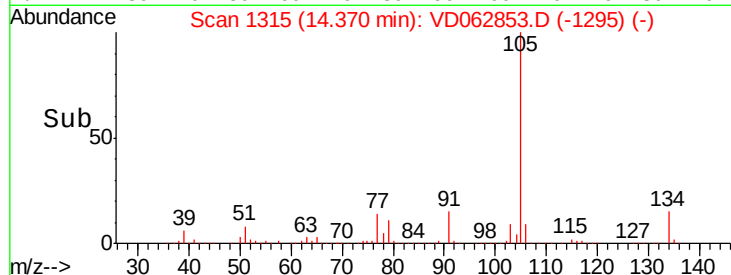
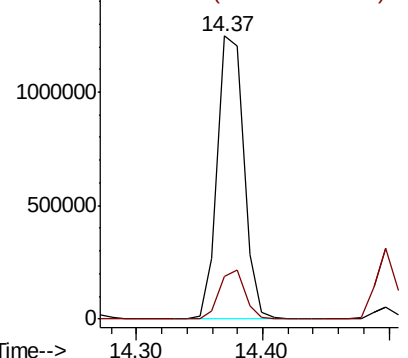
#85
 sec-Butylbenzene
 Concen: 51.880 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1803734
 Ion Ratio Lower Upper
 105 100
 134 15.3 9.1 27.3

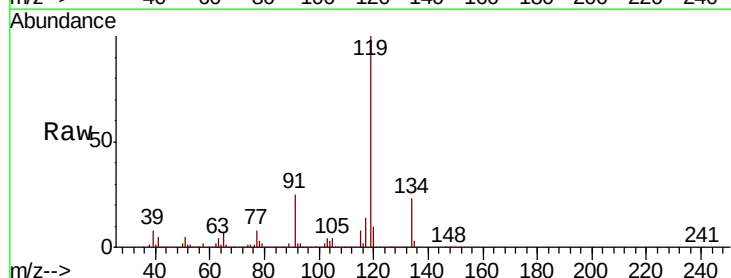


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

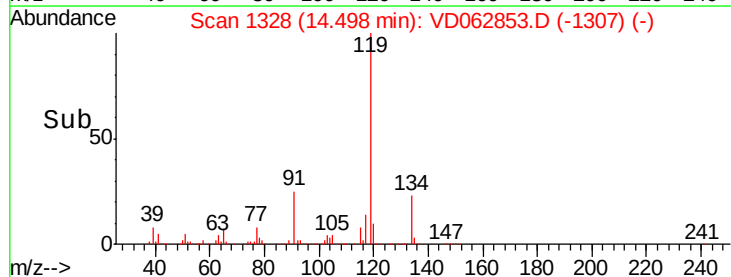
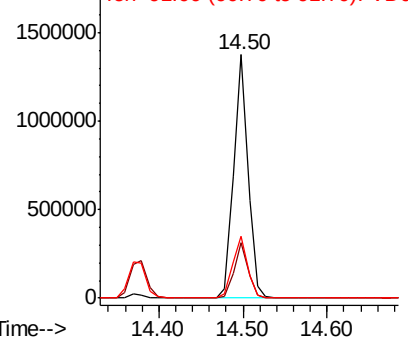


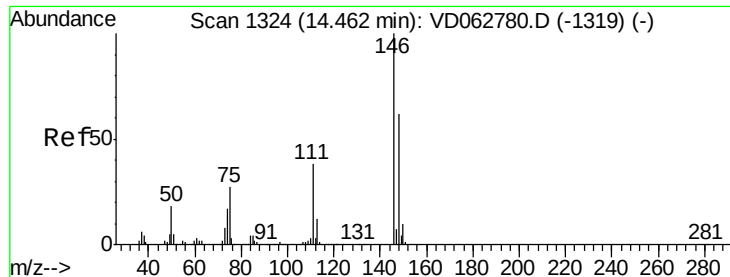
#86
 p-Isopropyltoluene
 Concen: 51.516 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:119 Resp: 1638548
 Ion Ratio Lower Upper
 119 100
 134 22.6 11.1 33.1
 91 25.3 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

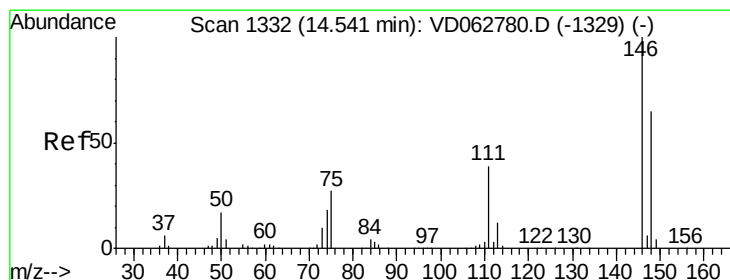
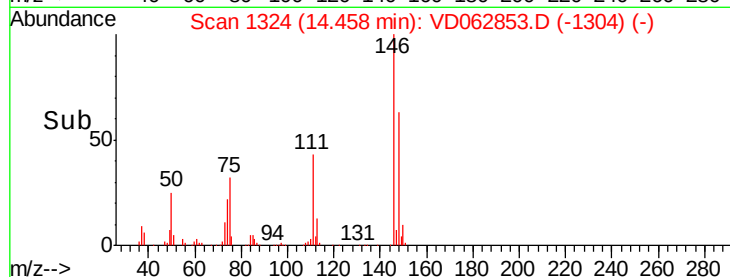
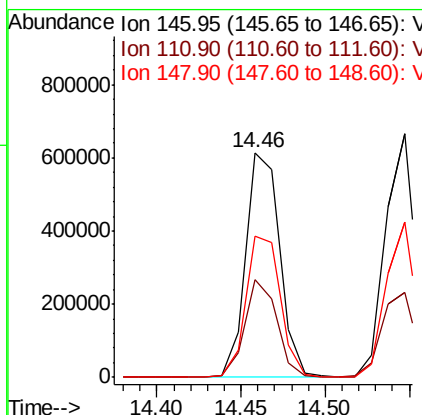
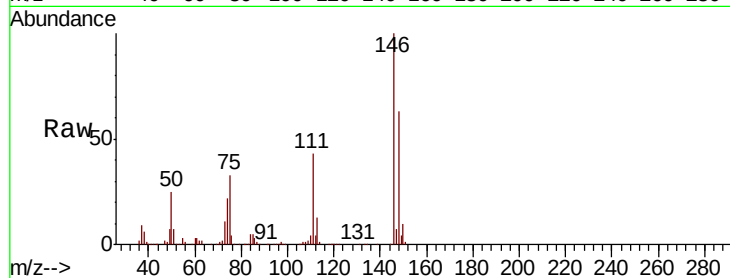




#87
 1,3-Dichlorobenzene
 Concen: 52.427 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

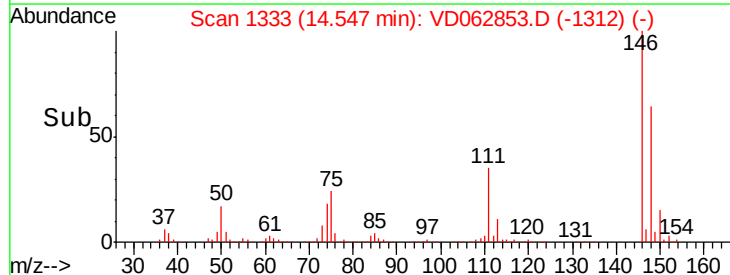
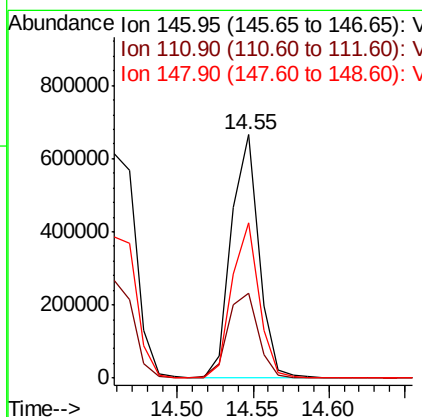
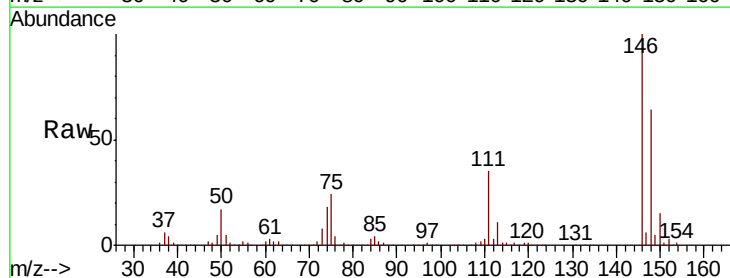
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

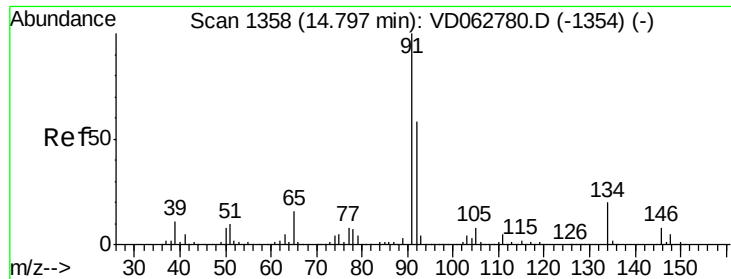
Tot Ion:146 Resp: 863646
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.0 57.0
 148 62.8 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 50.636 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:146 Resp: 837815
 Ion Ratio Lower Upper
 146 100
 111 34.9 19.7 59.1
 148 63.7 32.8 98.3





#89

n-Butylbenzene

Concen: 50.512 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

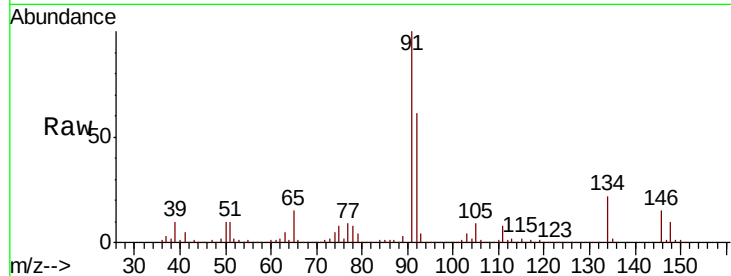
Tot Ion: 91 Resp: 1503746

Ion Ratio Lower Upper

91 100

92 60.8 28.9 86.7

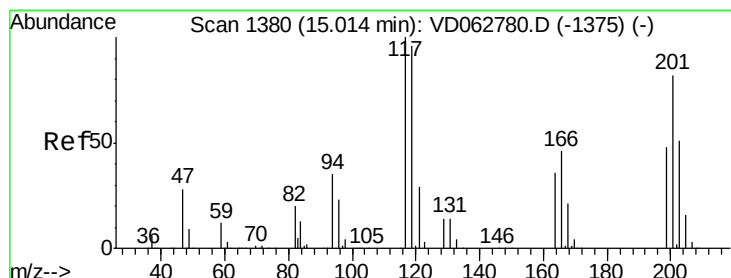
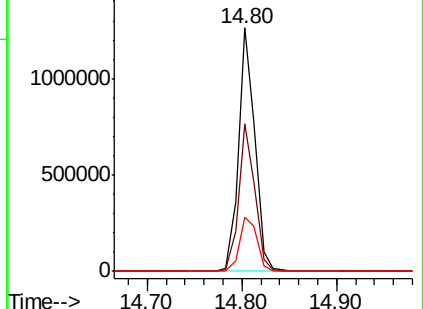
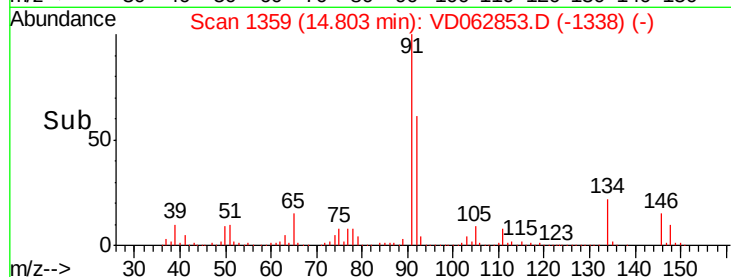
134 22.0 10.1 30.3



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: 53.631 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062853.D

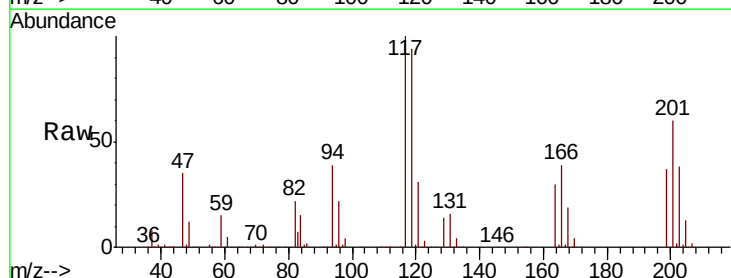
Acq: 24 Jun 2019 21:04

Tgt Ion: 117 Resp: 458644

Ion Ratio Lower Upper

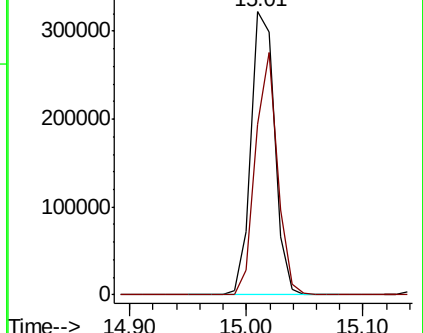
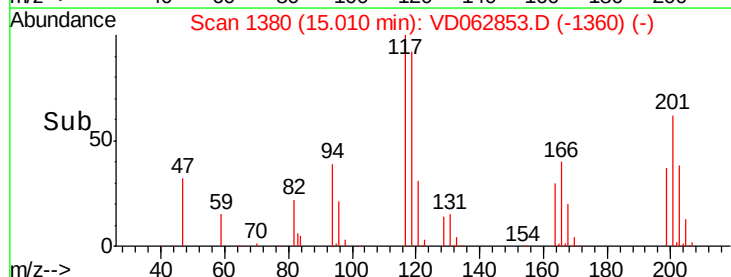
117 100

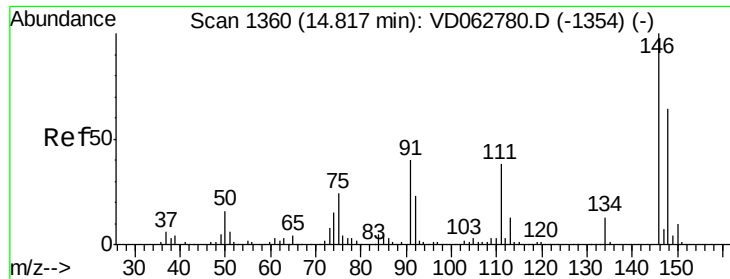
201 60.3 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

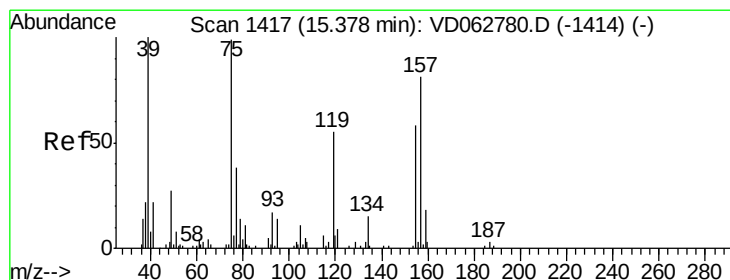
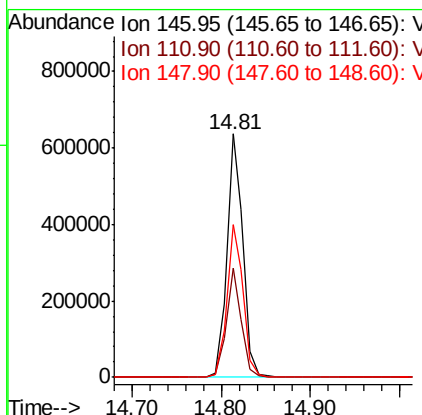
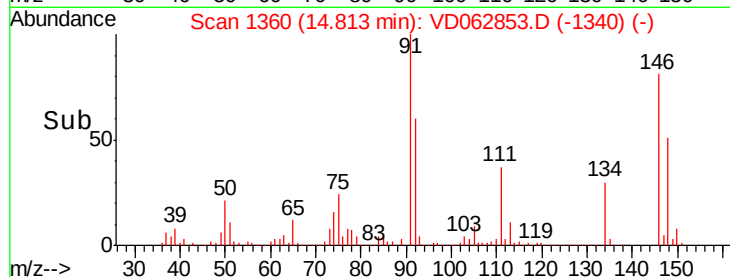
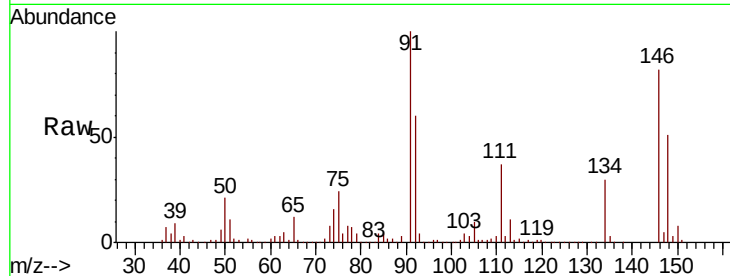




#91
 1,2-Dichlorobenzene
 Concen: 57.367 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

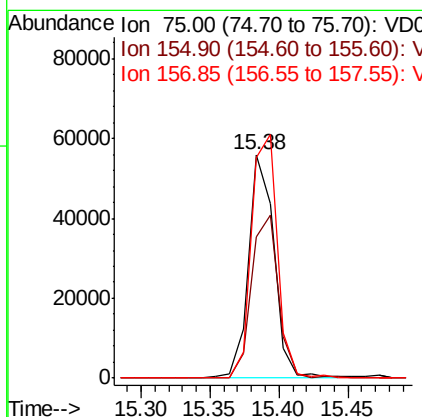
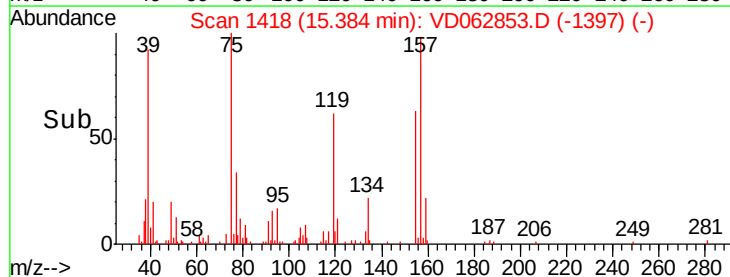
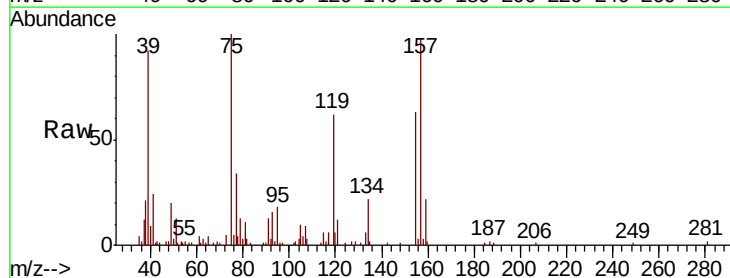
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

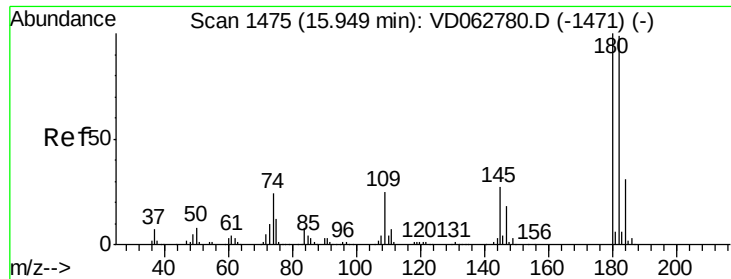
Tot Ion:146 Resp: 808534
 Ion Ratio Lower Upper
 146 100
 111 45.0 19.1 57.1
 148 62.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.216 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 75 Resp: 73033
 Ion Ratio Lower Upper
 75 100
 155 62.9 29.3 87.8
 157 98.4 41.3 123.7

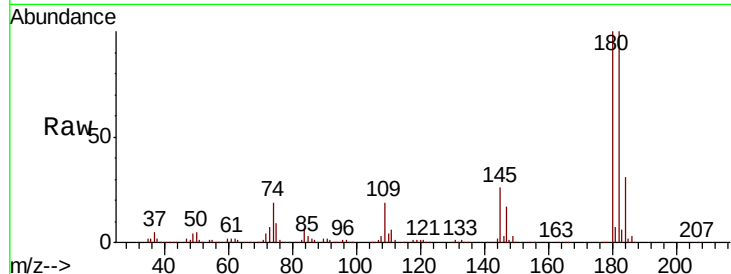




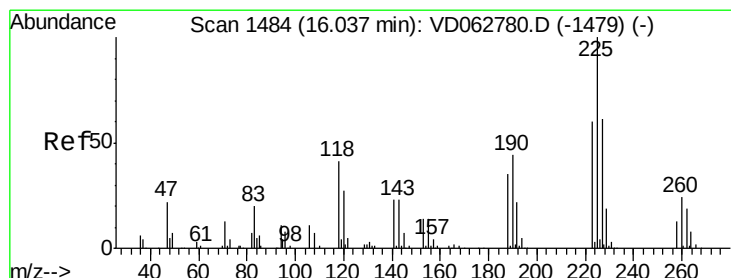
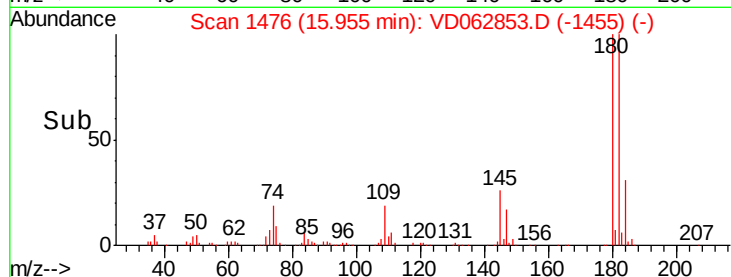
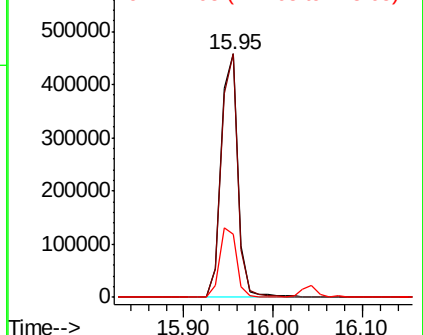
#93
 1,2,4-Trichlorobenzene
 Concen: 55.682 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 613049
 Ion Ratio Lower Upper
 180 100
 182 100.1 49.5 148.5
 145 26.2 13.7 41.0

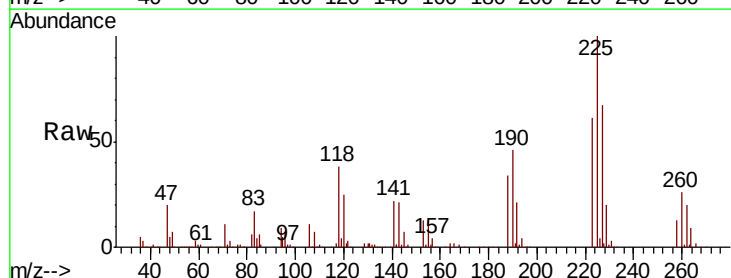


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

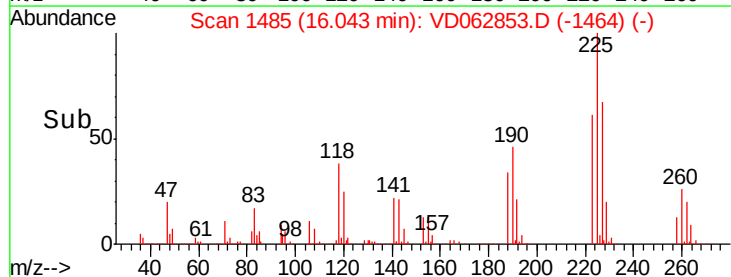
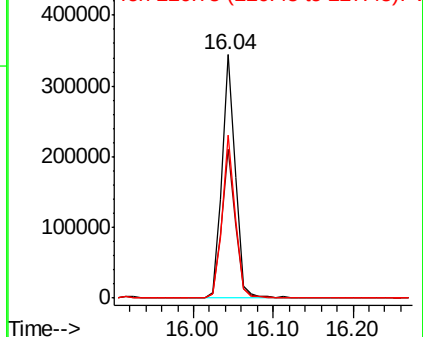


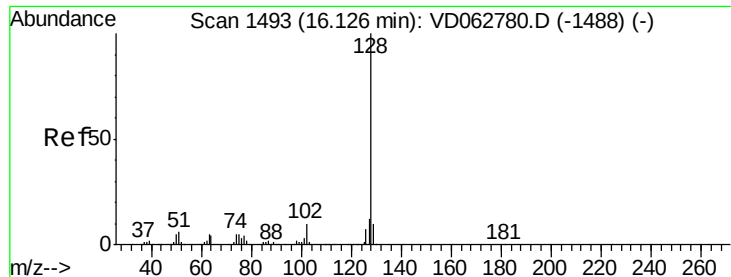
#94
 Hexachlorobutadiene
 Concen: 49.071 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:225 Resp: 412739
 Ion Ratio Lower Upper
 225 100
 223 61.1 29.8 89.5
 227 67.1 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

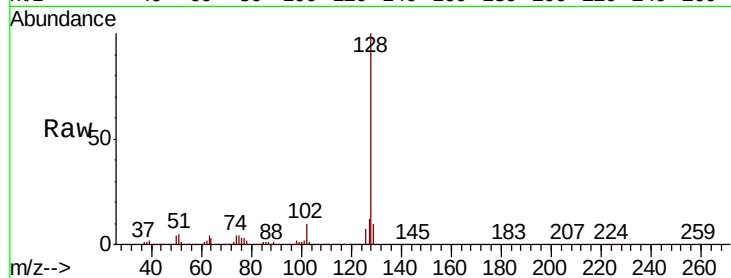




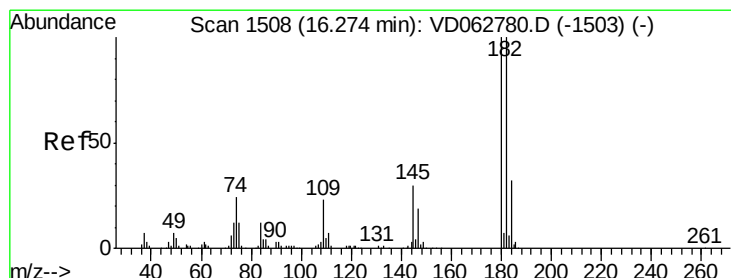
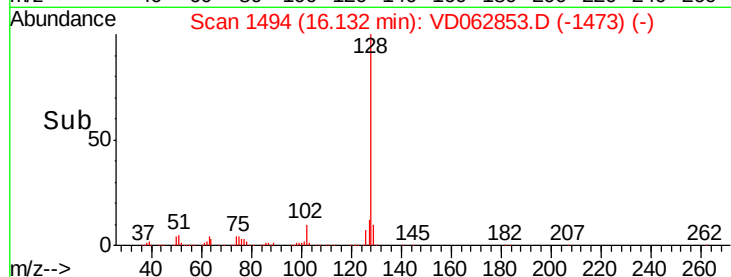
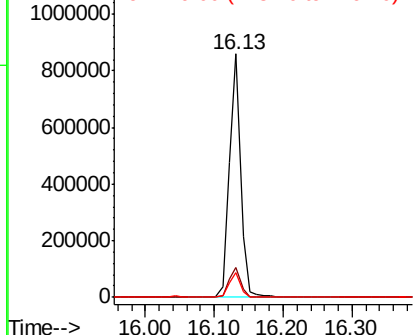
#95
Naphthalene
Concen: 63.350 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 977581
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.3 8.3 12.5

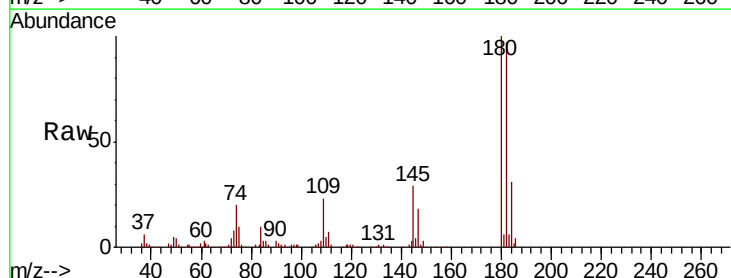


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.786 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:180 Resp: 480370
Ion Ratio Lower Upper
180 100
182 97.0 49.9 149.6
145 29.2 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

