

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065062.D
 Acq On : 05 Feb 2020 12:59
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 05 15:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	616146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	913368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	814114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382860	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	101316	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
35) Dibromofluoromethane	7.92	113	100198	17.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.56%	
50) Toluene-d8	10.34	98	384821	17.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.28%	
62) 4-Bromofluorobenzene	12.64	95	122940	18.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.52%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	105490	22.23	ug/l	94
3) Chloromethane	2.21	50	129584	19.40	ug/l	96
4) Vinyl Chloride	2.35	62	131198	17.23	ug/l	99
5) Bromomethane	2.76	94	80731	15.84	ug/l	97
6) Chloroethane	2.92	64	84368	16.95	ug/l	94
7) Trichlorofluoromethane	3.27	101	191874	16.44	ug/l	98
8) Diethyl Ether	3.70	74	55065	20.28	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	119667	21.13	ug/l	100
10) Methyl Iodide	4.30	142	133053	22.06	ug/l	99
11) Tert butyl alcohol	5.26	59	33997	107.14	ug/l	97
12) 1,1-Dichloroethene	4.06	96	112626	20.85	ug/l	93
13) Acrolein	3.92	56	40772	100.61	ug/l	98
14) Allyl chloride	4.71	41	187344	21.64	ug/l	100
15) Acrylonitrile	5.43	53	122392	104.14	ug/l	99
16) Acetone	4.17	43	132879	106.87	ug/l	98
17) Carbon Disulfide	4.40	76	364370	20.57	ug/l	99
18) Methyl Acetate	4.73	43	59398	21.62	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	250529	20.97	ug/l	96
20) Methylene Chloride	4.96	84	128991	18.80	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	131146	21.21	ug/l	93
22) Diisopropyl ether	6.37	45	354286	20.77	ug/l	99
23) Vinyl Acetate	6.31	43	969005	98.03	ug/l	100
24) 1,1-Dichloroethane	6.27	63	219487	20.98	ug/l	99
25) 2-Butanone	7.23	43	155317	98.84	ug/l	97
26) 2,2-Dichloropropane	7.21	77	191043	20.01	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	136771	20.67	ug/l	98
28) Bromochloromethane	7.55	49	73476	18.16	ug/l	99
29) Tetrahydrofuran	7.57	42	101245	104.00	ug/l	97
30) Chloroform	7.71	83	213996	19.86	ug/l	97
31) Cyclohexane	7.98	56	214493	20.69	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	198970	19.83	ug/l	100
36) 1,1-Dichloropropene	8.11	75	172646	19.63	ug/l	99
37) Ethyl Acetate	7.30	43	74058	20.47	ug/l	98
38) Carbon Tetrachloride	8.10	117	179310	19.43	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216374	20.87	ug/l	98
40) Benzene	8.36	78	482778	19.95	ug/l	98
41) Methacrylonitrile	7.53	41	38132	20.02	ug/l	98
42) 1,2-Dichloroethane	8.43	62	139060	19.44	ug/l	98
43) Isopropyl Acetate	8.46	43	136308	19.84	ug/l	100
44) Trichloroethene	9.11	130	139210	20.43	ug/l	98
45) 1,2-Dichloropropane	9.39	63	115947	19.72	ug/l	99
46) Dibromomethane	9.48	93	60464	18.98	ug/l	97
47) Bromodichloromethane	9.67	83	164461	19.84	ug/l	97
48) Methyl methacrylate	9.46	41	65629	20.76	ug/l	99
49) 1,4-Dioxane	9.47	88	13934	380.71	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	342821	100.33	ug/l	100
52) Toluene	10.41	92	307514	19.69	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	156587	19.82	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	188102	20.25	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	83998	19.60	ug/l	94
56) Ethyl methacrylate	10.67	69	104404	20.30	ug/l	98
57) 1,3-Dichloropropane	10.96	76	149723	20.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	164021	91.56	ug/l	100
59) 2-Hexanone	10.99	43	238489	100.84	ug/l	98
60) Dibromochloromethane	11.15	129	109815	19.23	ug/l	100
61) 1,2-Dibromoethane	11.25	107	83233	20.12	ug/l	99
64) Tetrachloroethene	10.88	164	125121	21.19	ug/l	96
65) Chlorobenzene	11.68	112	324728	19.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	118301	19.07	ug/l	99
67) Ethyl Benzene	11.75	91	580102	19.75	ug/l	99
68) m/p-Xylenes	11.86	106	446509	39.50	ug/l	100
69) o-Xylene	12.18	106	201081	20.00	ug/l	99
70) Styrene	12.20	104	349211	19.63	ug/l	99
71) Bromoform	12.37	173	64967	19.03	ug/l #	99
73) Isopropylbenzene	12.48	105	555758	21.19	ug/l	99
74) N-amyl acetate	12.30	43	119837	20.54	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	83977	19.25	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	117924	38.09	ug/l #	100
77) Bromobenzene	12.77	156	133859	20.92	ug/l	98
78) n-propylbenzene	12.83	91	649581	20.85	ug/l	99
79) 2-Chlorotoluene	12.91	91	363119	21.20	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	451742	21.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29117	19.61	ug/l	97
82) 4-Chlorotoluene	13.01	91	378330	20.85	ug/l	100
83) tert-Butylbenzene	13.23	119	388272	21.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	445005	20.51	ug/l	100
85) sec-Butylbenzene	13.41	105	534061	20.65	ug/l	100
86) p-Isopropyltoluene	13.53	119	491865	20.42	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	243327	19.87	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	245925	20.23	ug/l	99
89) n-Butylbenzene	13.86	91	460596	20.95	ug/l	100
90) Hexachloroethane	14.13	117	93601	20.20	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	209741	20.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13967	19.88	ug/l	98

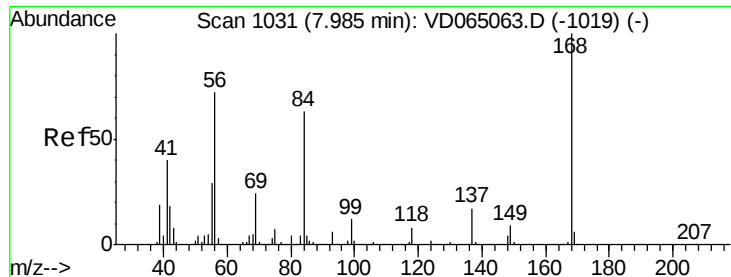
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
Data File : VD065062.D
Acq On : 05 Feb 2020 12:59
Operator : VA/SY
Sample : VSTDICC020
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:24:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	154918	21.41	ug/l	99
94) Hexachlorobutadiene	15.28	225	96240	21.03	ug/l	98
95) Naphthalene	15.41	128	250668	21.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	130848	21.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

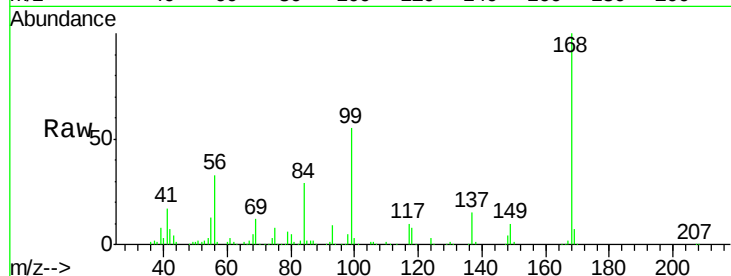
VSTDIC020

Tgt Ion:168 Resp: 616146

Ion Ratio Lower Upper

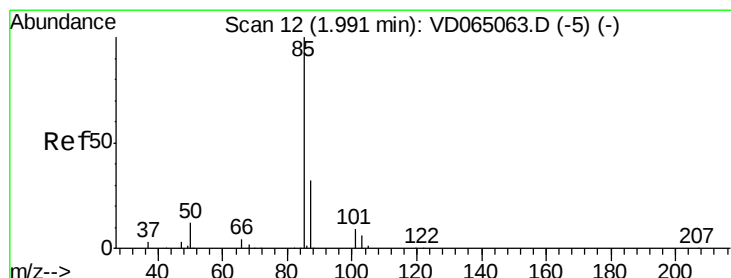
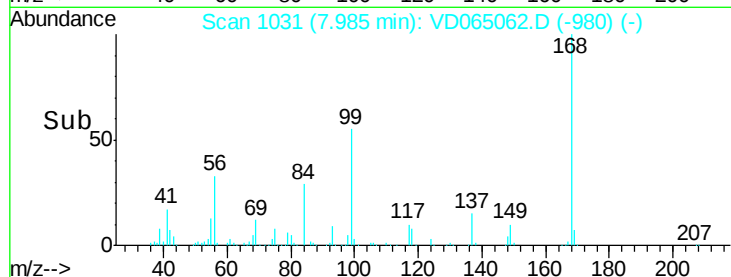
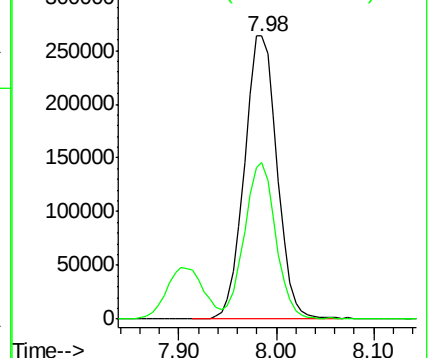
168 100

99 55.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.23 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065062.D

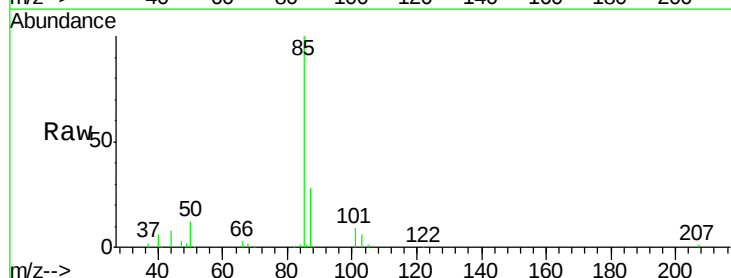
Acq: 05 Feb 2020 12:59

Tgt Ion: 85 Resp: 105490

Ion Ratio Lower Upper

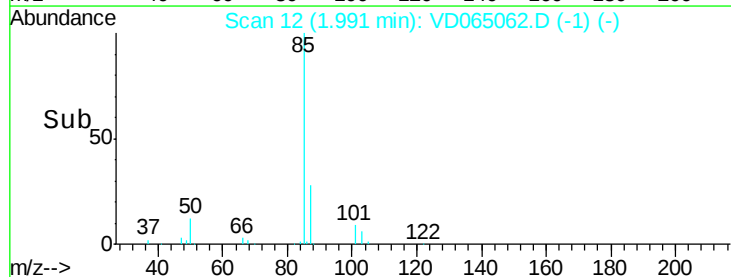
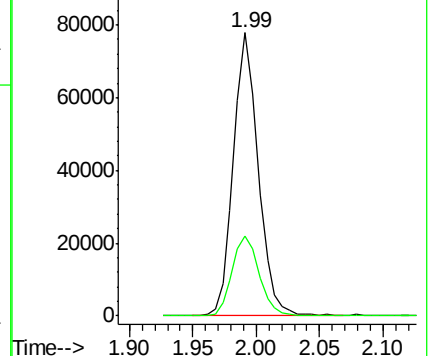
85 100

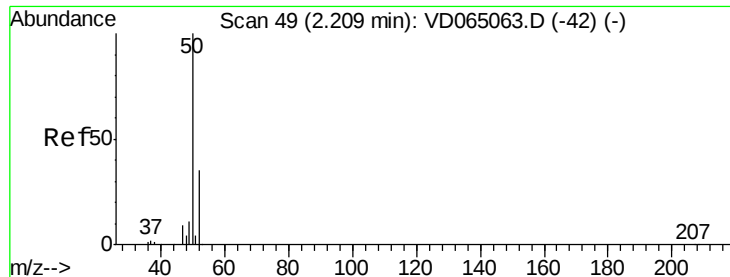
87 28.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.40 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

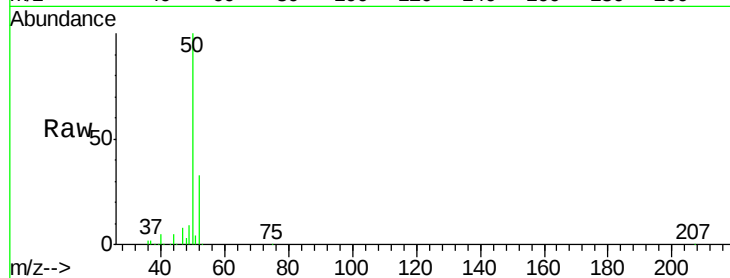
VSTDIC020

Tgt Ion: 50 Resp: 129584

Ion Ratio Lower Upper

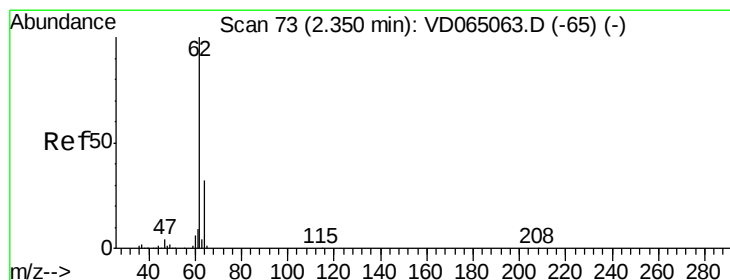
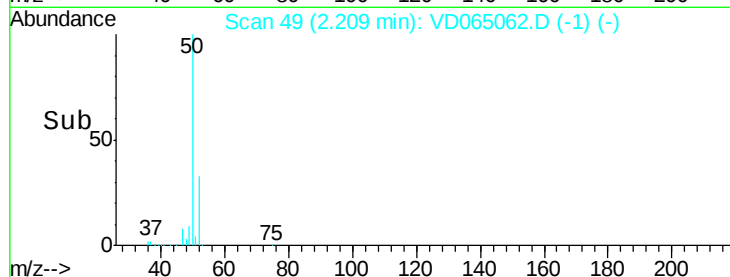
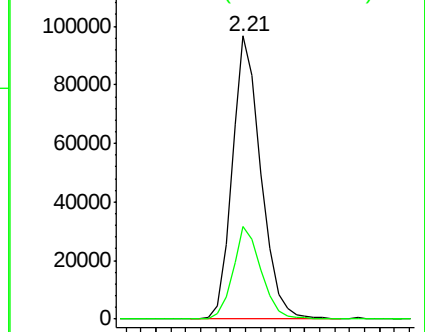
50 100

52 32.6 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.23 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065062.D

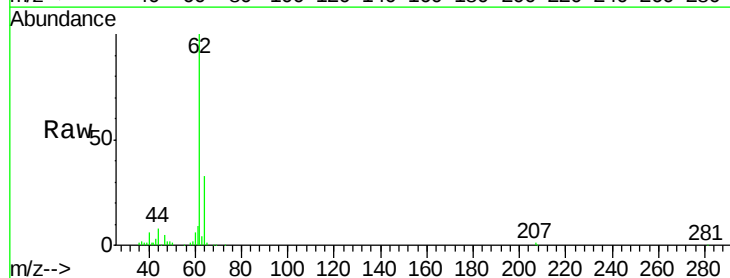
Acq: 05 Feb 2020 12:59

Tgt Ion: 62 Resp: 131198

Ion Ratio Lower Upper

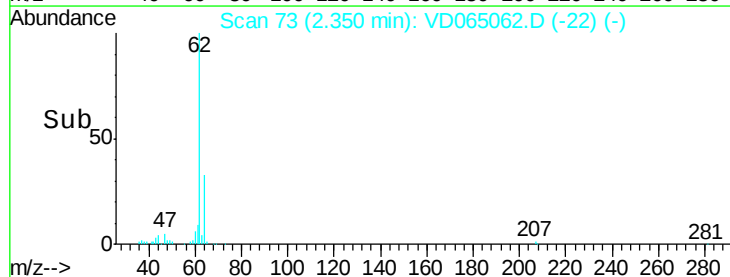
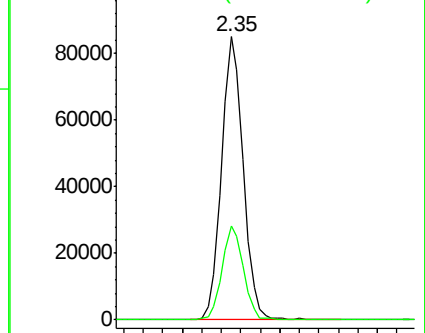
62 100

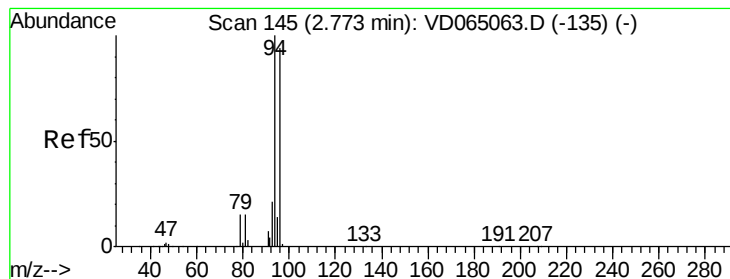
64 33.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 15.84 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

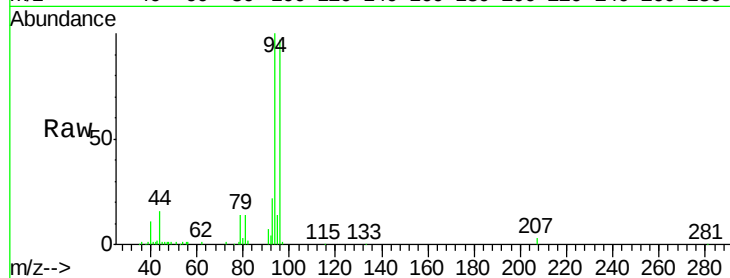
VSTDIC020

Tgt Ion: 94 Resp: 80731

Ion Ratio Lower Upper

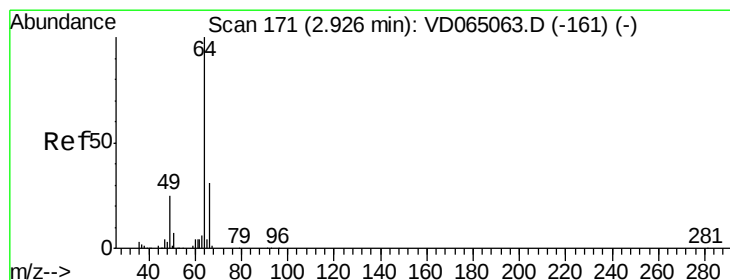
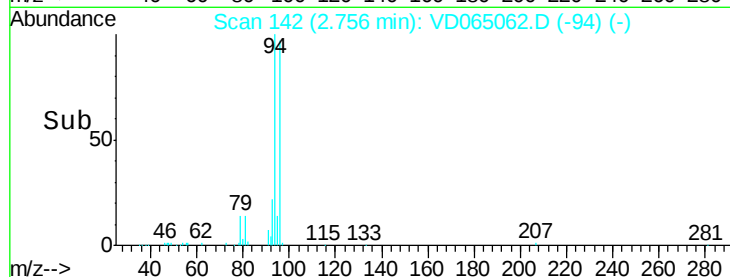
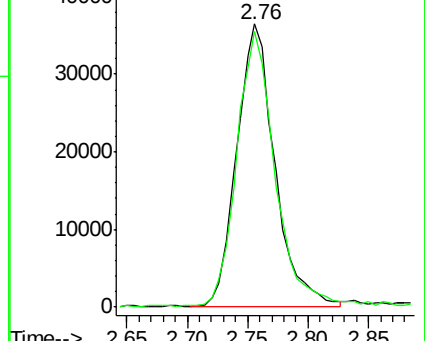
94 100

96 96.9 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.95 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065062.D

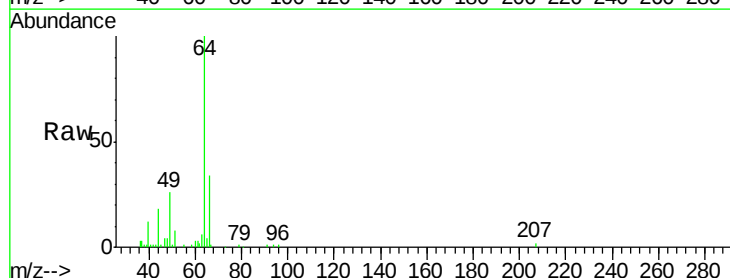
Acq: 05 Feb 2020 12:59

Tgt Ion: 64 Resp: 84368

Ion Ratio Lower Upper

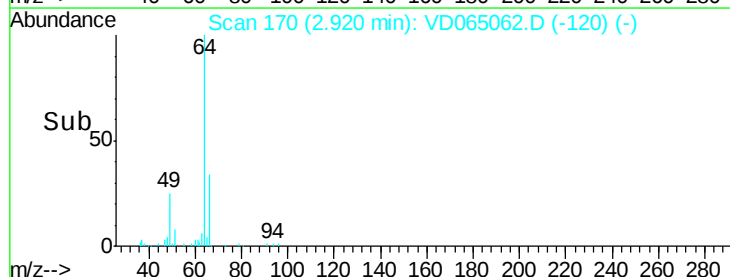
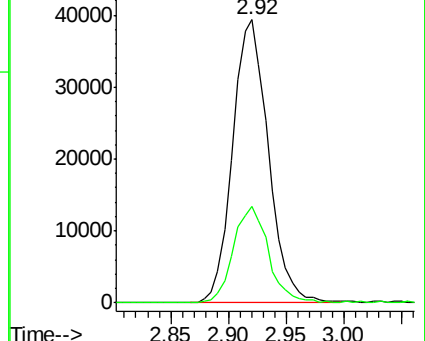
64 100

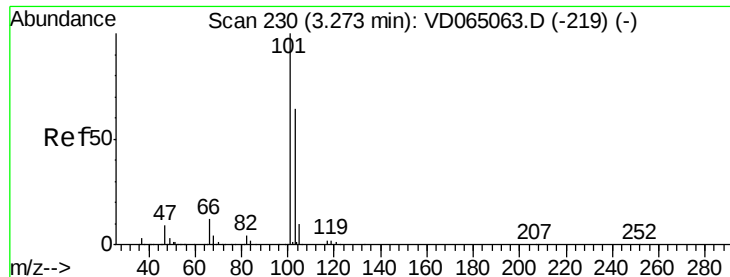
66 34.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



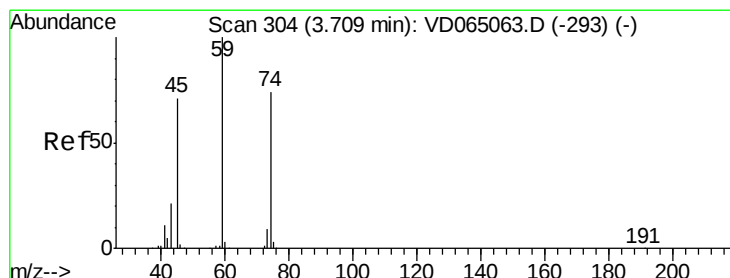
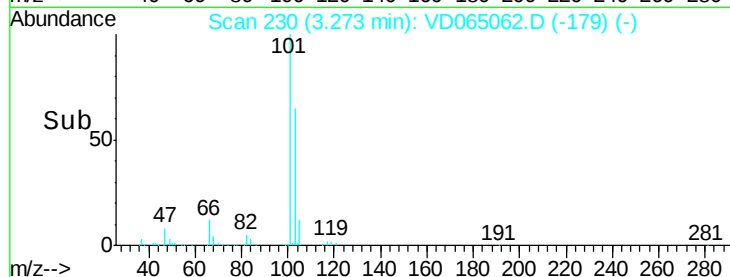
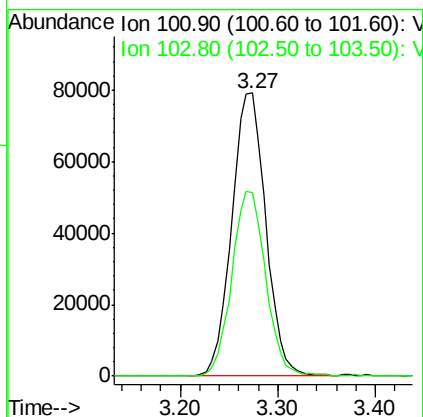
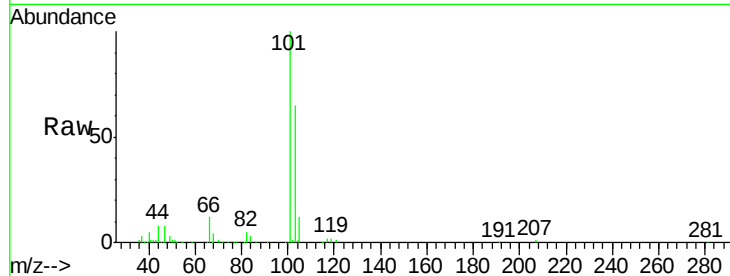


#7

Trichlorofluoromethane
 Concen: 16.44 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Instrument :
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 ClientSampleId :
 VSTDIC020

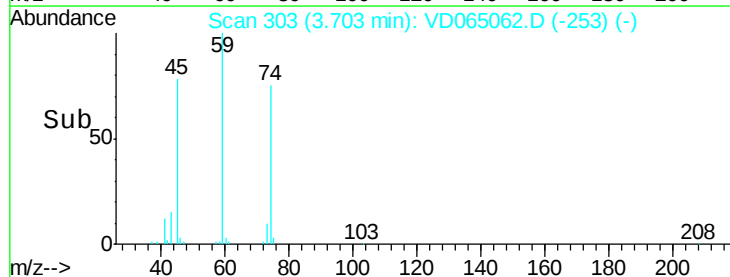
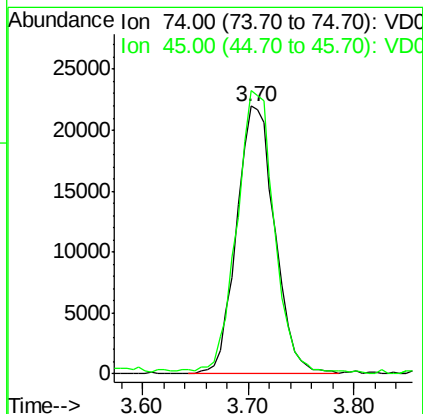
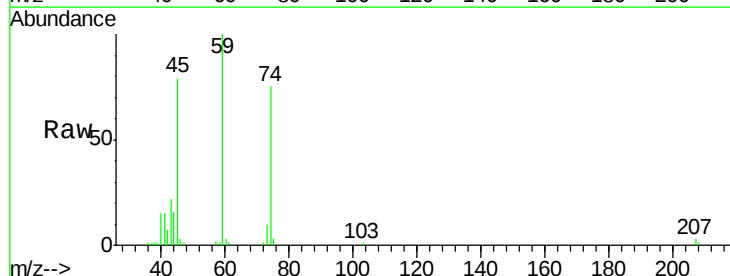
Tgt Ion:101 Resp: 191874
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.0 76.6

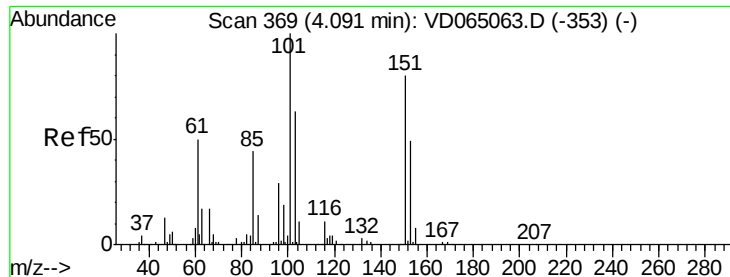


#8

Diethyl Ether
 Concen: 20.28 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion: 74 Resp: 55065
 Ion Ratio Lower Upper
 74 100
 45 104.7 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.13 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

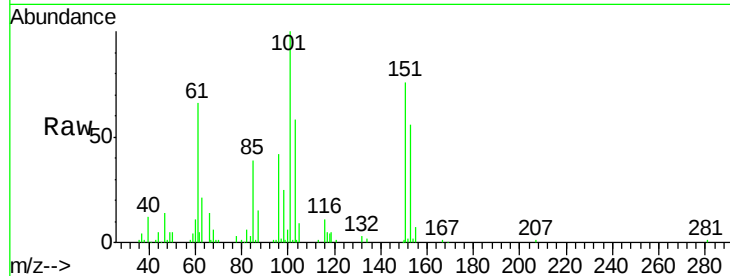
Tgt Ion:101 Resp: 119667

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

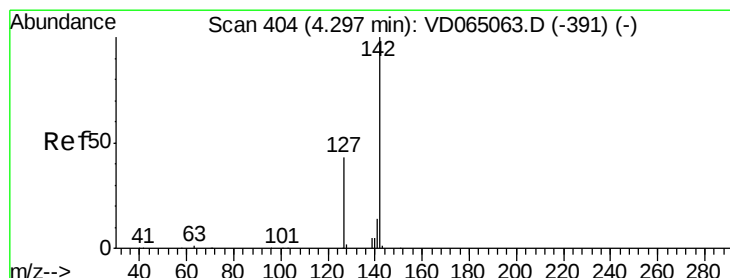
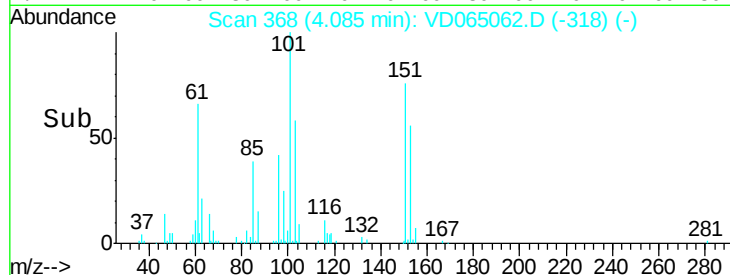
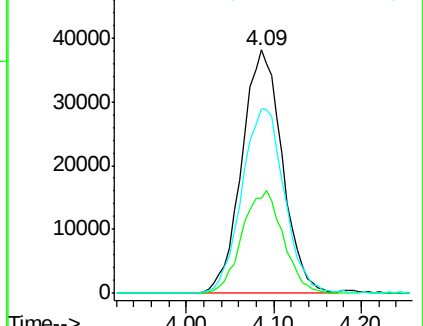
151 80.3 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.06 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

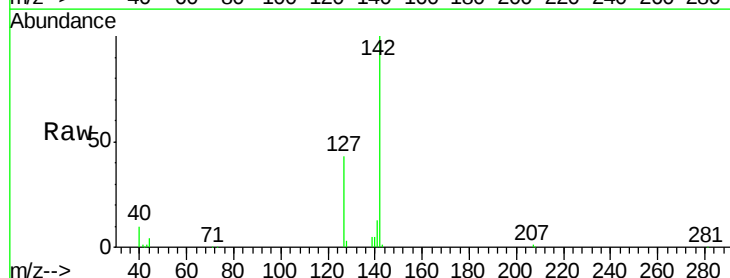
Tgt Ion:142 Resp: 133053

Ion Ratio Lower Upper

142 100

127 43.1 34.0 51.0

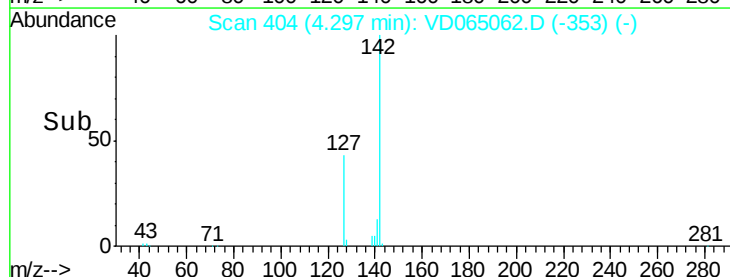
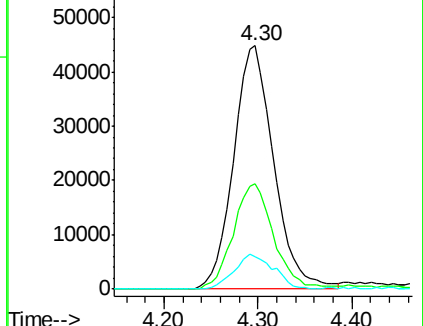
141 14.0 11.6 17.4

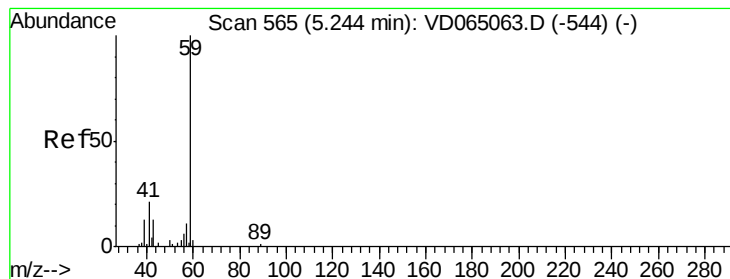


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



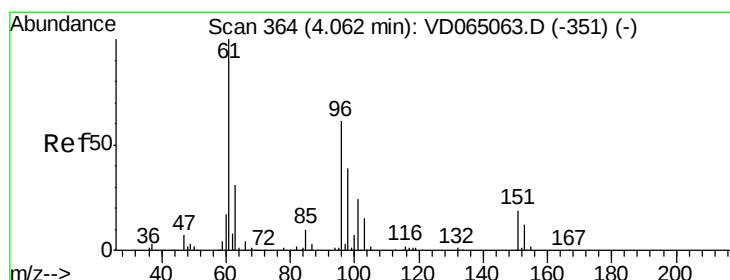
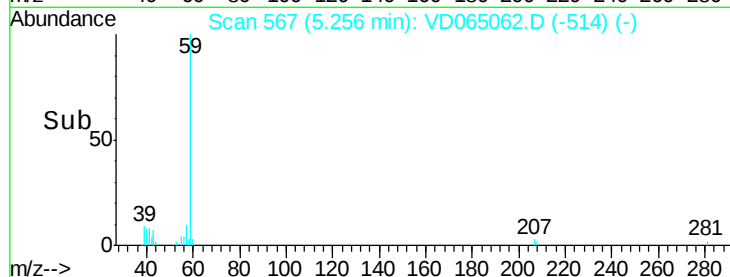
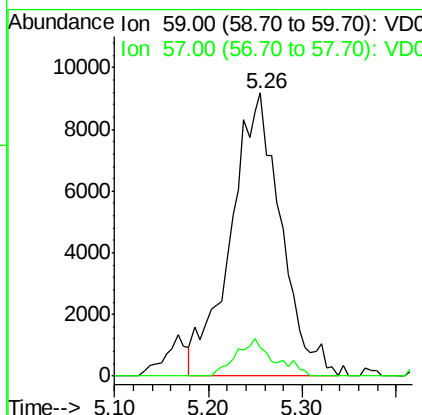
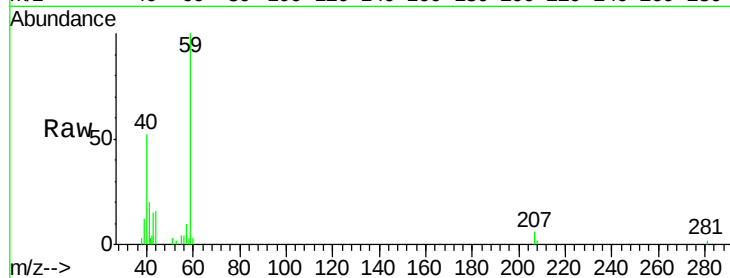


#11

Tert butyl alcohol
 Concen: 107.14 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

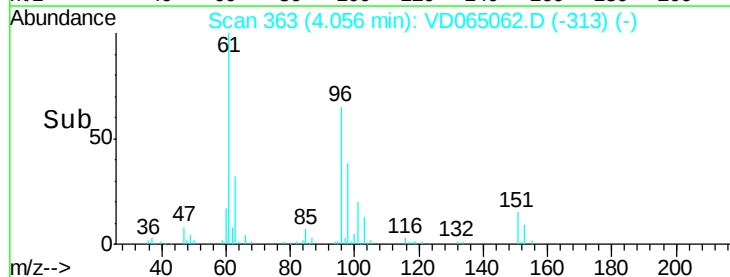
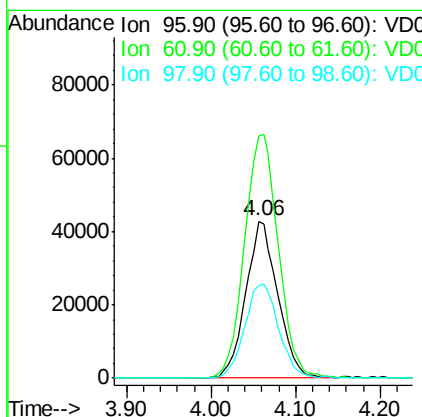
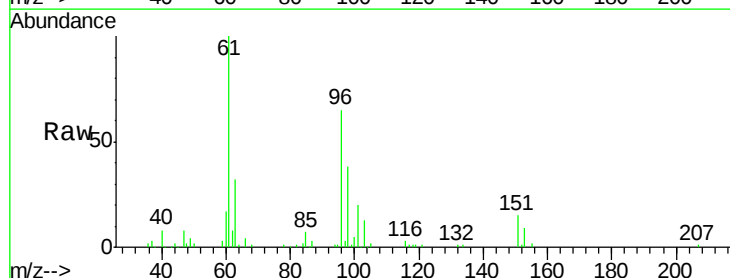
Tgt Ion: 59 Resp: 33997
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.8 13.2

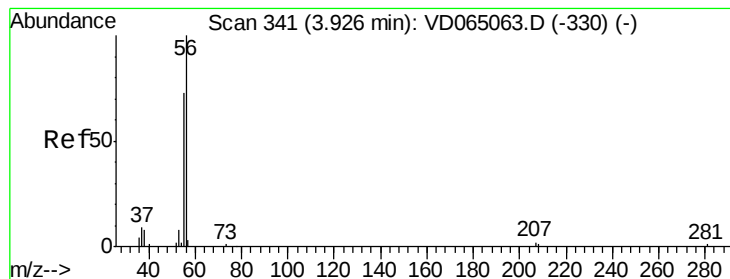


#12

1,1-Dichloroethene
 Concen: 20.85 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion: 96 Resp: 112626
 Ion Ratio Lower Upper
 96 100
 61 154.6 131.4 197.2
 98 59.3 51.1 76.7





#13

Acrolein

Concen: 100.61 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

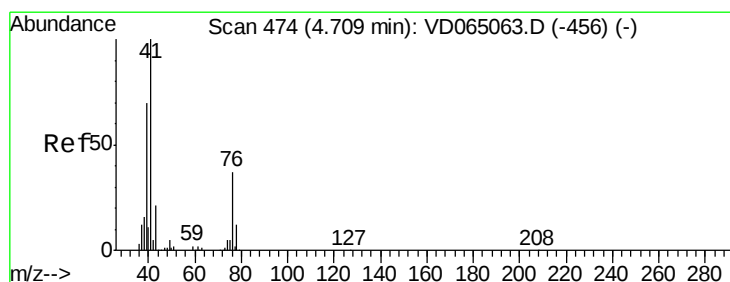
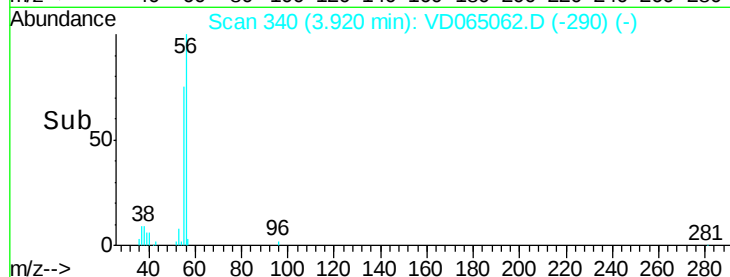
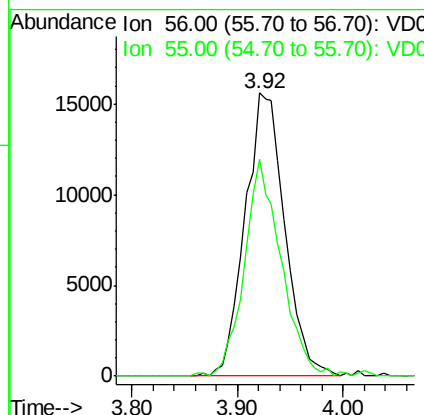
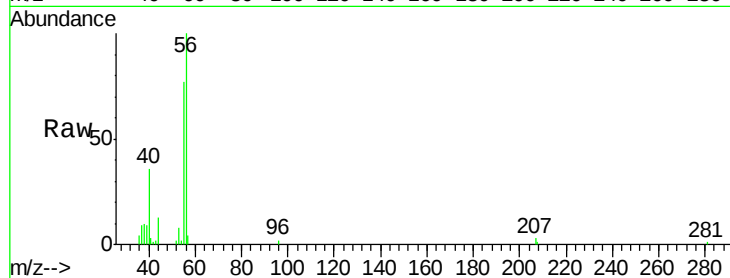
VSTDIC020

Tgt Ion: 56 Resp: 40772

Ion Ratio Lower Upper

56 100

55 71.0 58.2 87.2



#14

Allyl chloride

Concen: 21.64 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

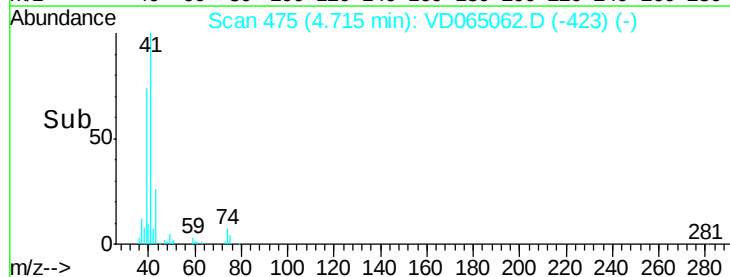
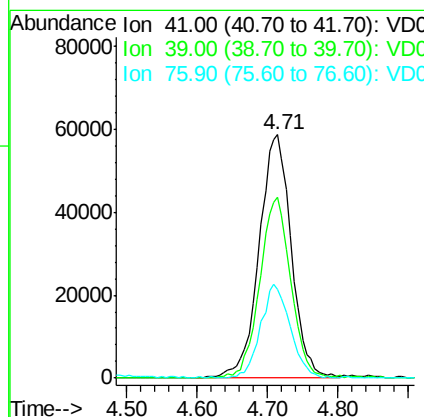
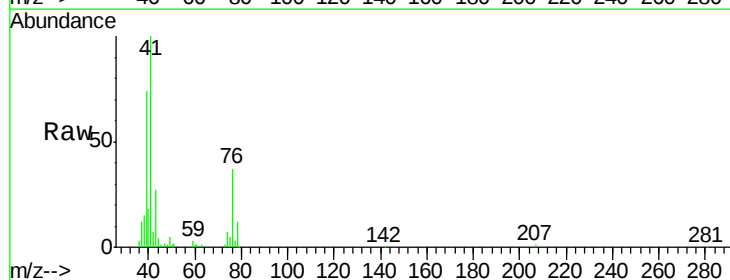
Tgt Ion: 41 Resp: 187344

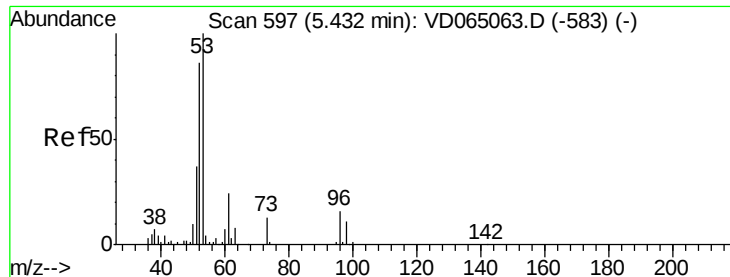
Ion Ratio Lower Upper

41 100

39 71.3 57.1 85.7

76 35.7 28.0 42.0





#15

Acrylonitrile

Concen: 104.14 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

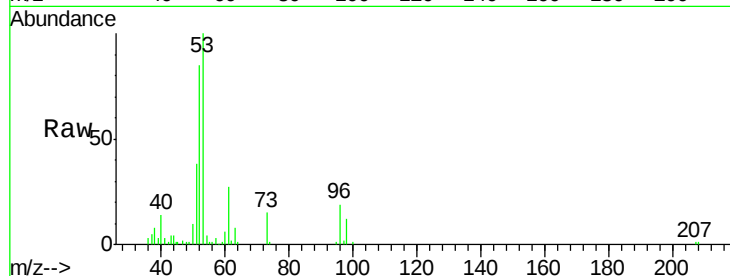
Tgt Ion: 53 Resp: 122392

Ion Ratio Lower Upper

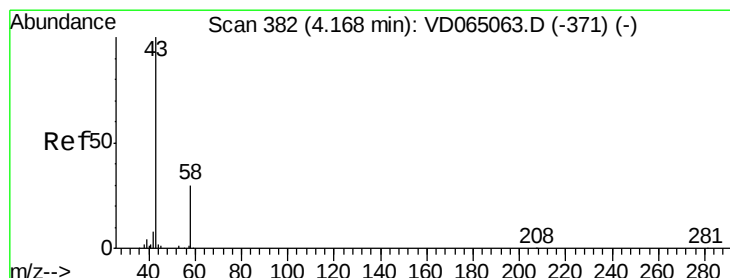
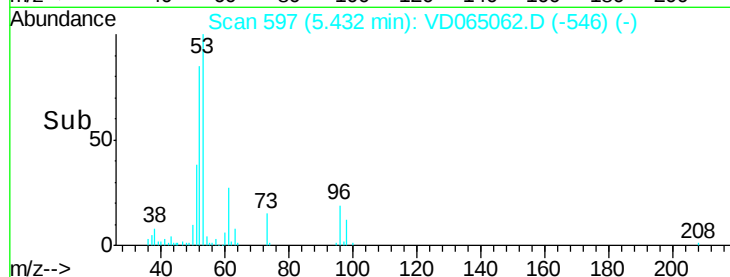
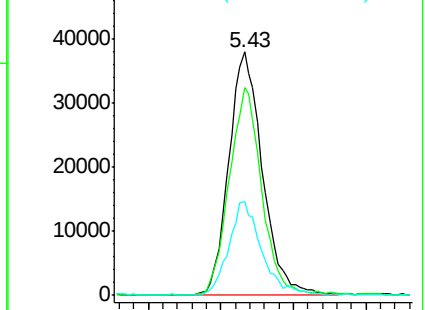
53 100

52 81.6 66.2 99.2

51 37.3 30.4 45.6



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: 106.87 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065062.D

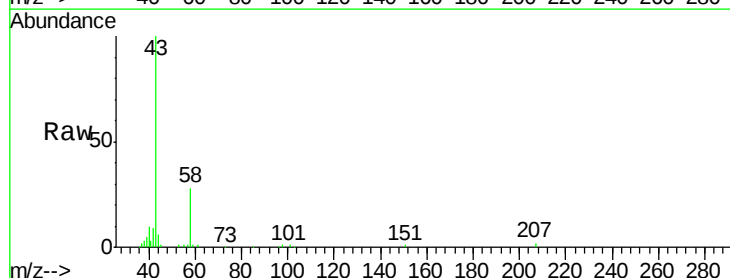
Acq: 05 Feb 2020 12:59

Tgt Ion: 43 Resp: 132879

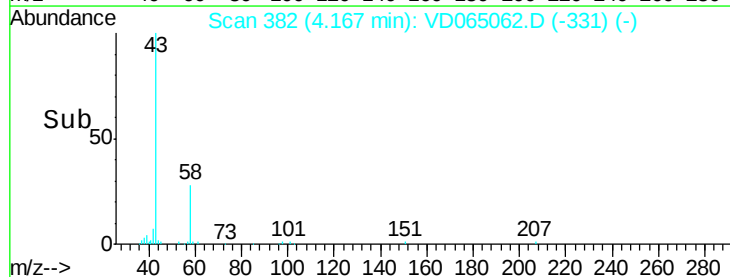
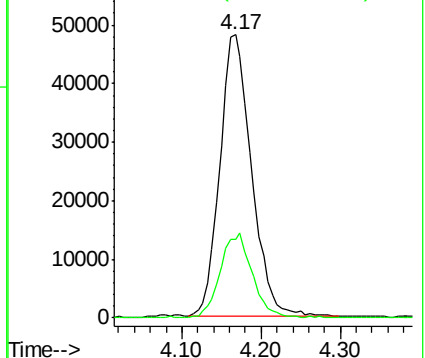
Ion Ratio Lower Upper

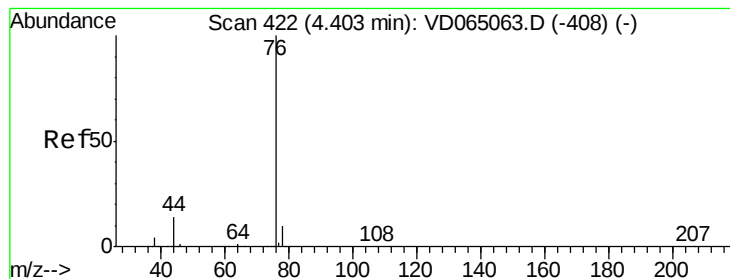
43 100

58 28.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.57 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

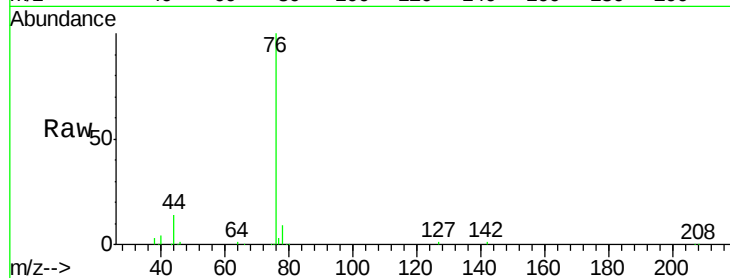
VSTDIC020

Tgt Ion: 76 Resp: 364370

Ion Ratio Lower Upper

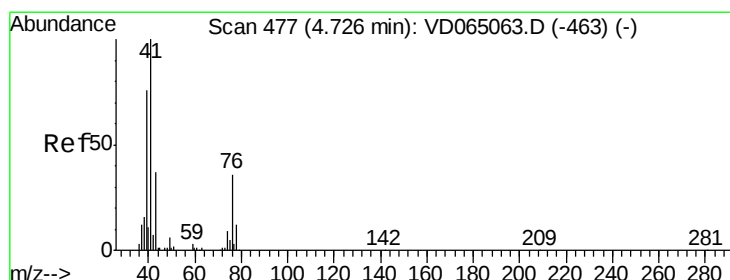
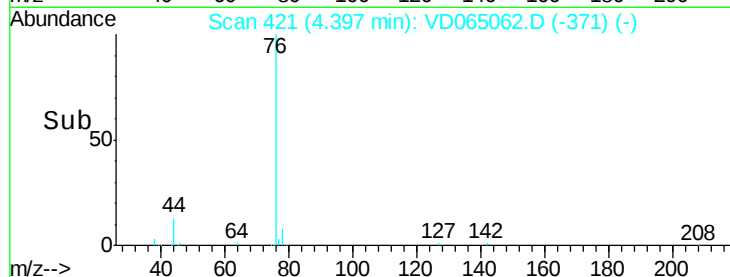
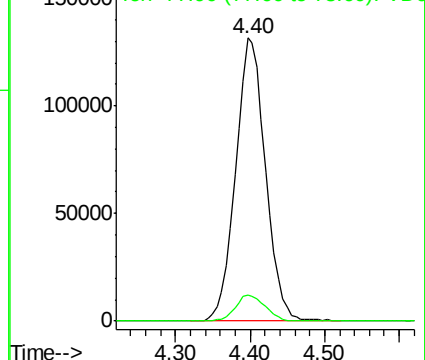
76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.62 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065062.D

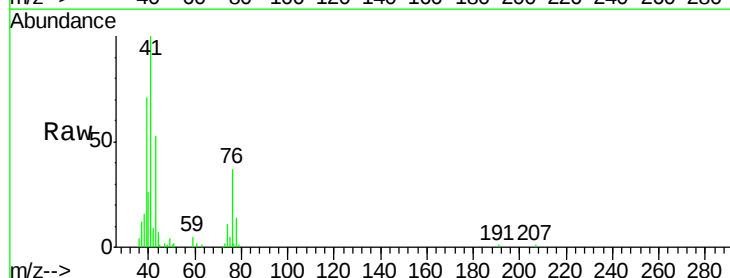
Acq: 05 Feb 2020 12:59

Tgt Ion: 43 Resp: 59398

Ion Ratio Lower Upper

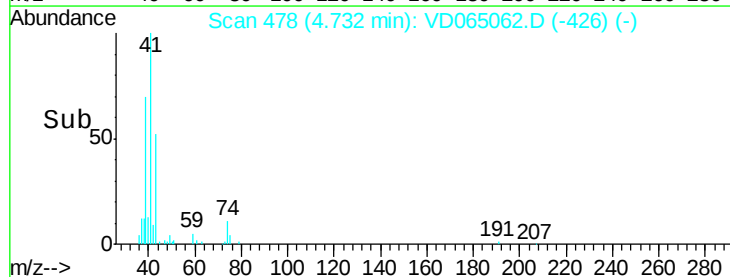
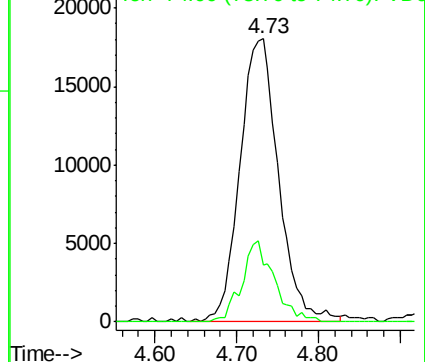
43 100

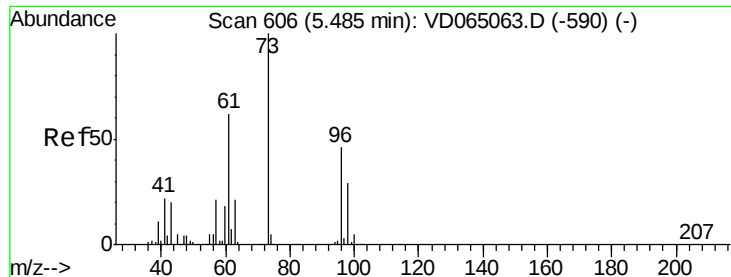
74 24.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

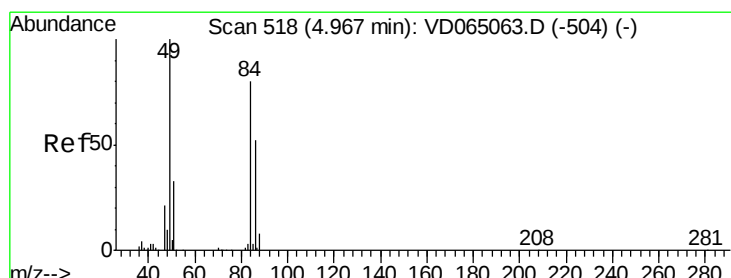
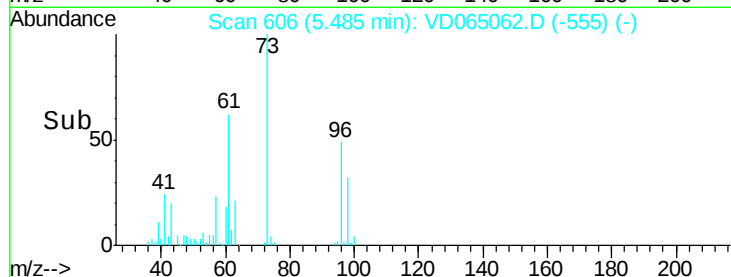
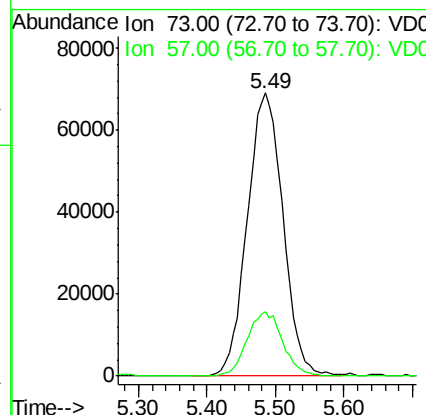
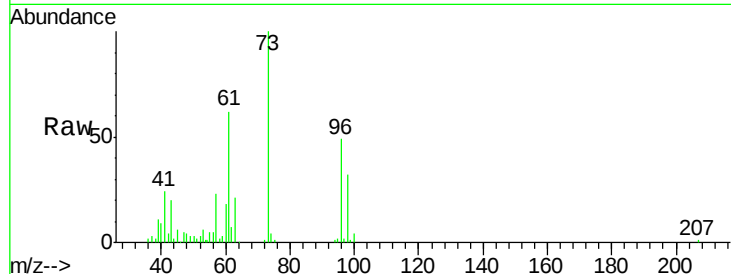




#19
Methyl tert-butyl Ether
Concen: 20.97 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

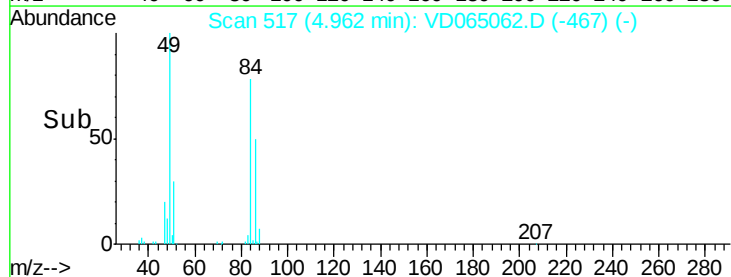
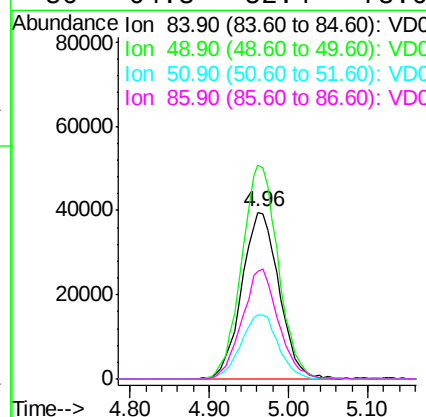
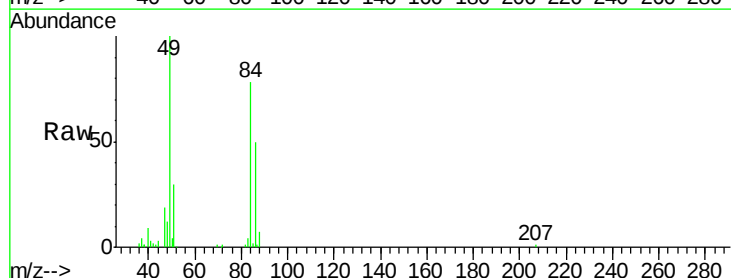
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

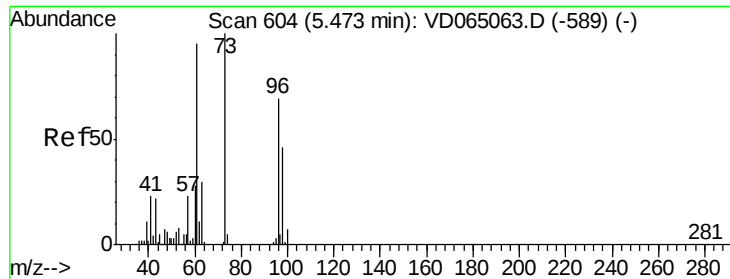
Tgt Ion: 73 Resp: 250529
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 18.80 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 84 Resp: 128991
Ion Ratio Lower Upper
84 100
49 128.3 100.4 150.6
51 38.4 32.7 49.1
86 64.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.21 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

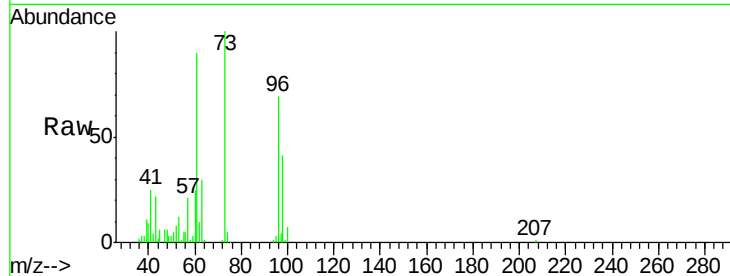
Tgt Ion: 96 Resp: 131146

Ion Ratio Lower Upper

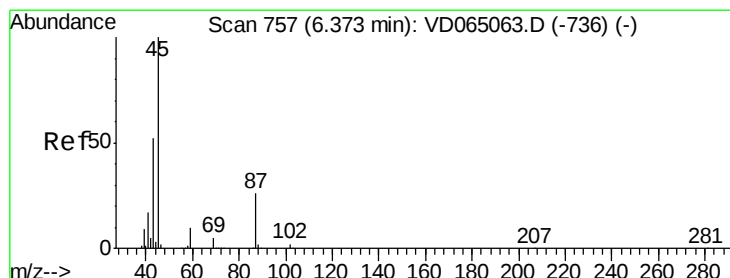
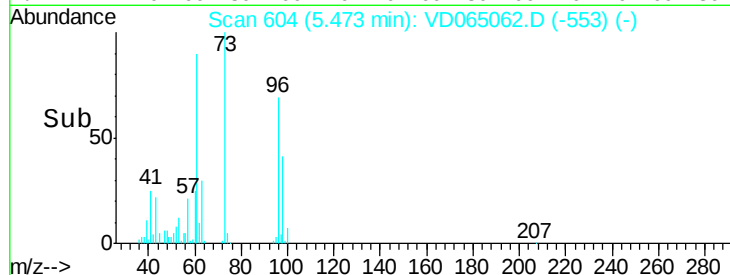
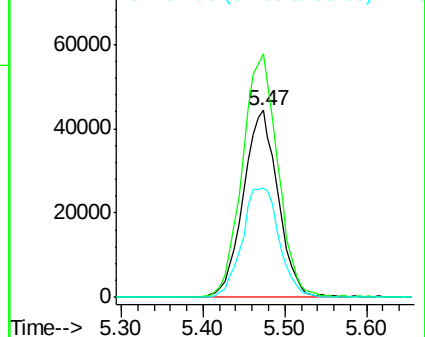
96 100

61 130.0 109.5 164.3

98 58.5 53.7 80.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.77 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Tgt Ion: 45 Resp: 354286

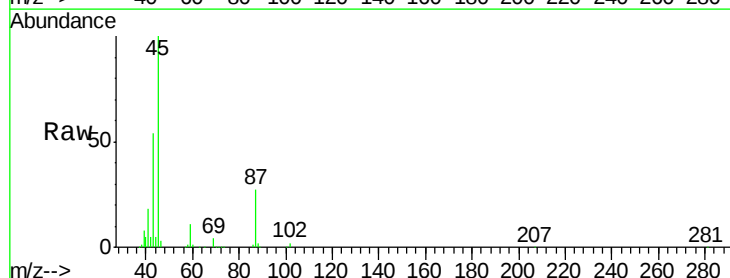
Ion Ratio Lower Upper

45 100

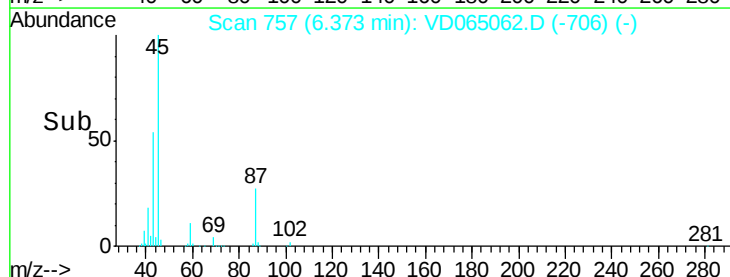
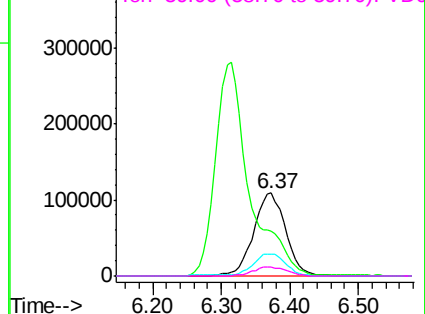
43 52.8 41.3 61.9

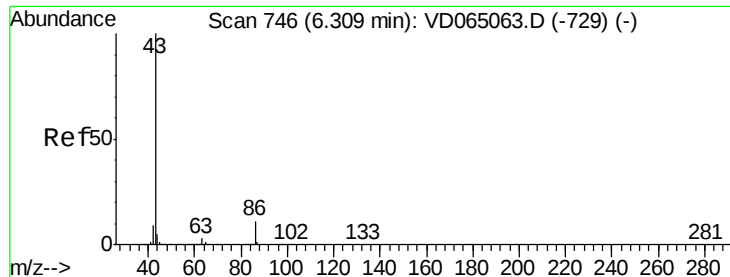
87 26.7 21.0 31.6

59 10.7 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.03 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

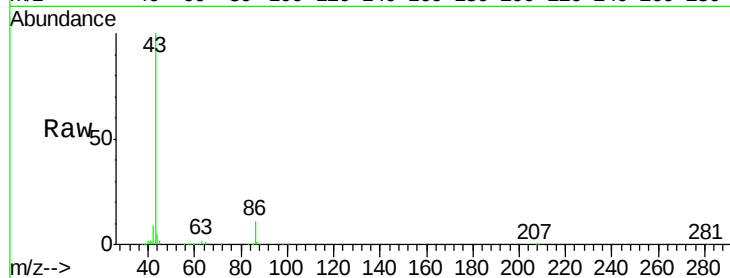
VSTDIC020

Tgt Ion: 43 Resp: 969005

Ion Ratio Lower Upper

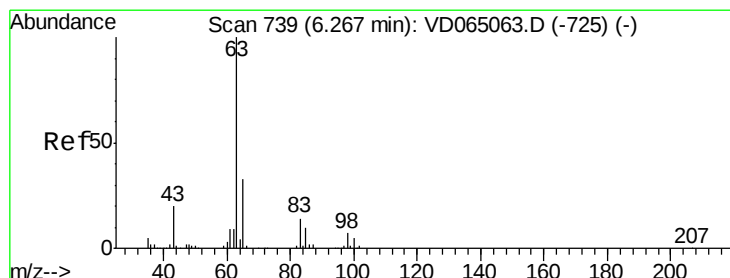
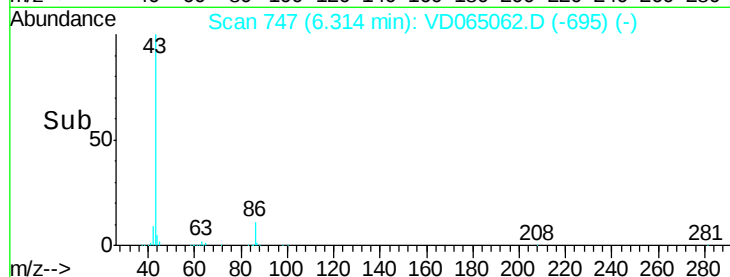
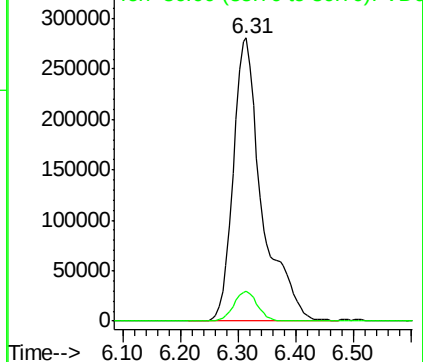
43 100

86 10.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.98 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

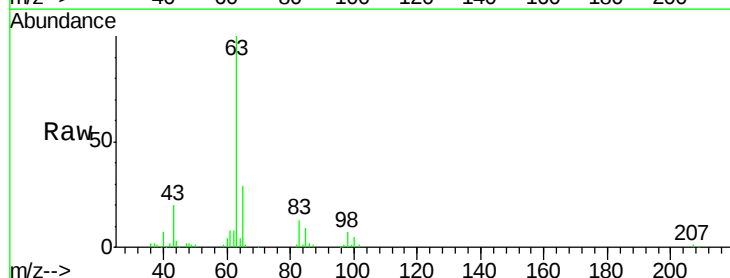
Tgt Ion: 63 Resp: 219487

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

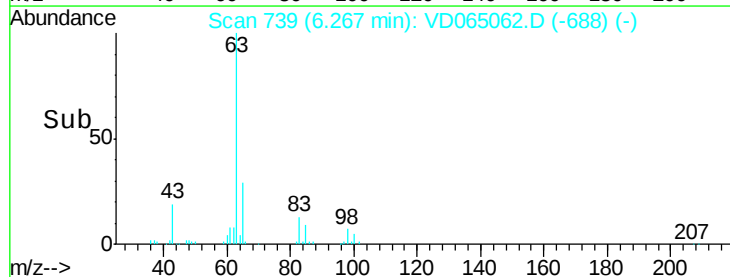
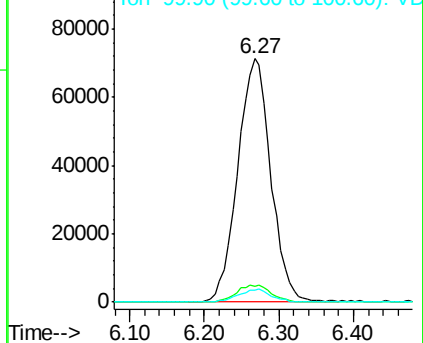
100 4.7 2.5 7.6

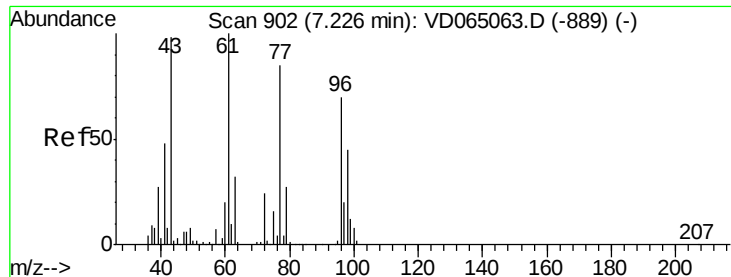


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.84 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

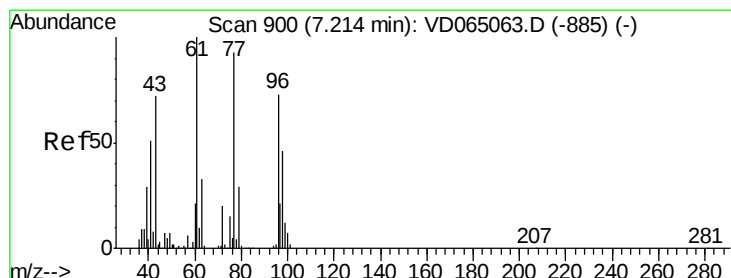
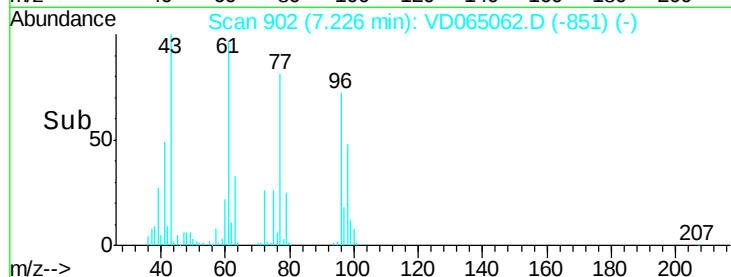
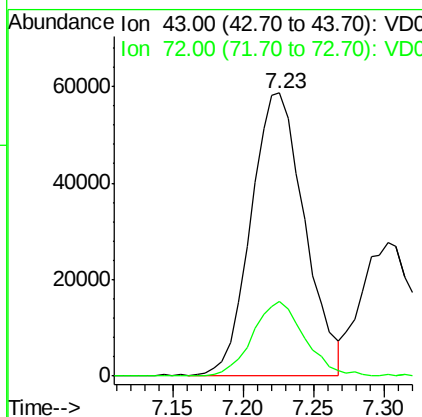
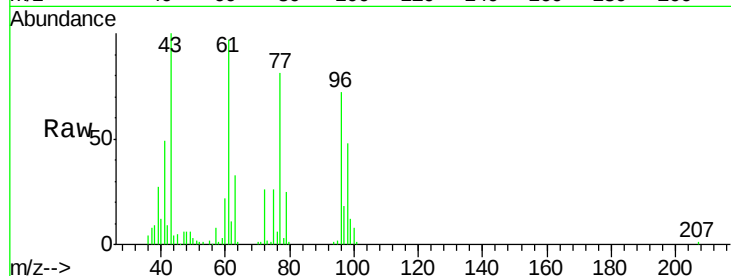
VSTDIC020

Tgt Ion: 43 Resp: 155317

Ion Ratio Lower Upper

43 100

72 26.4 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.01 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065062.D

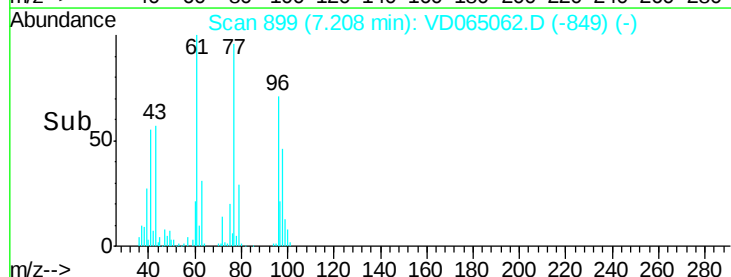
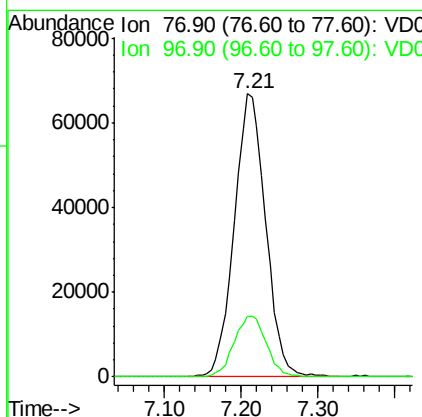
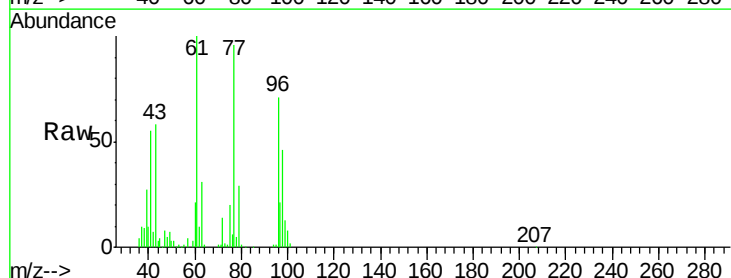
Acq: 05 Feb 2020 12:59

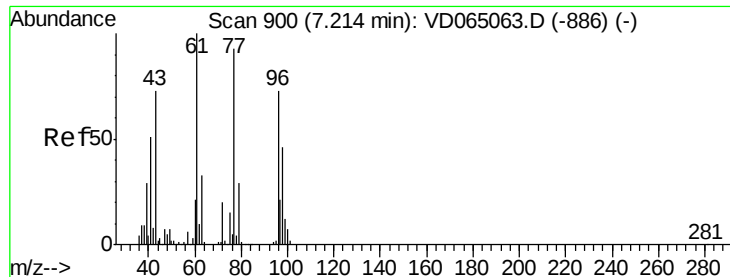
Tgt Ion: 77 Resp: 191043

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

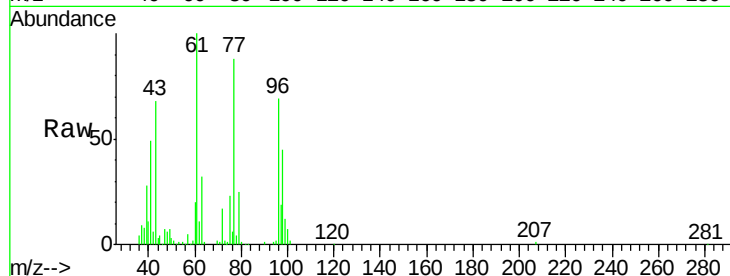
Tgt Ion: 96 Resp: 136771

Ion Ratio Lower Upper

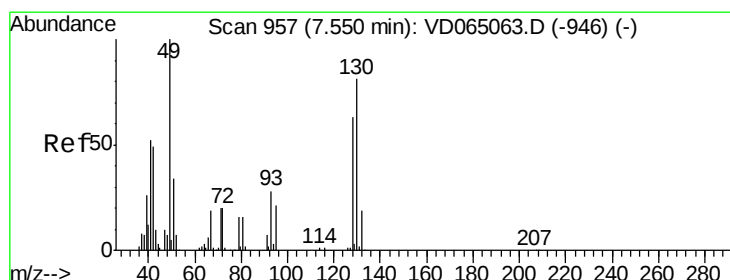
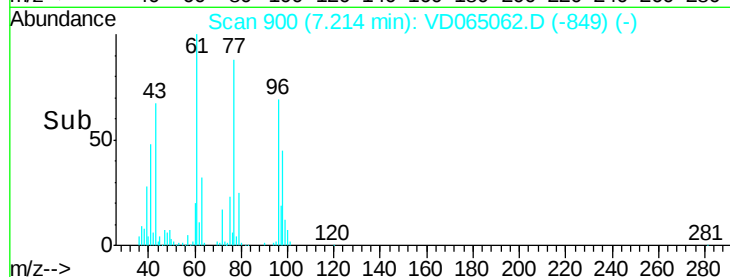
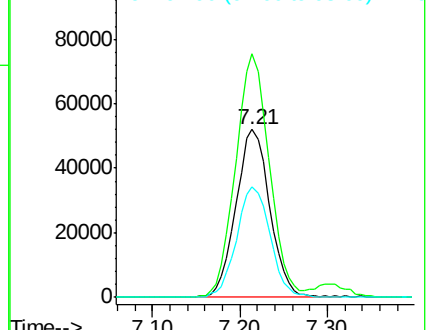
96 100

61 144.1 0.0 292.8

98 65.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 18.16 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

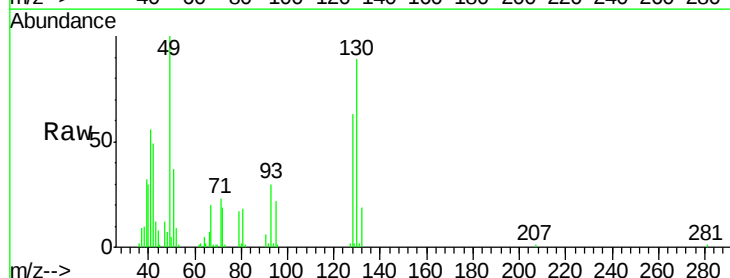
Tgt Ion: 49 Resp: 73476

Ion Ratio Lower Upper

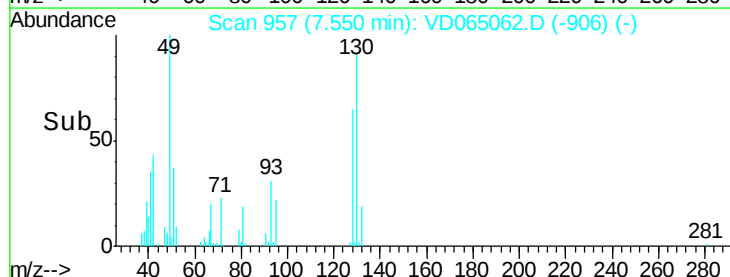
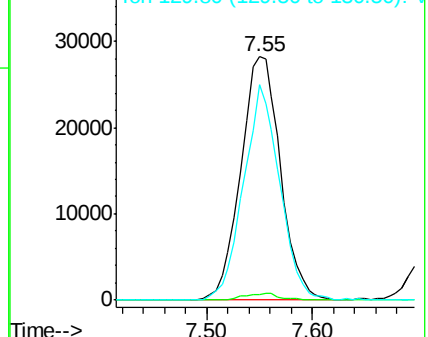
49 100

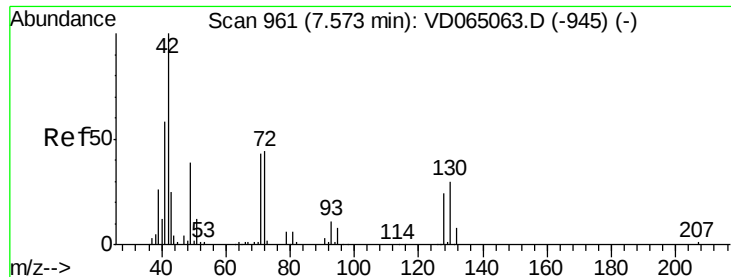
129 2.4 0.0 4.4

130 80.7 63.8 95.8



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

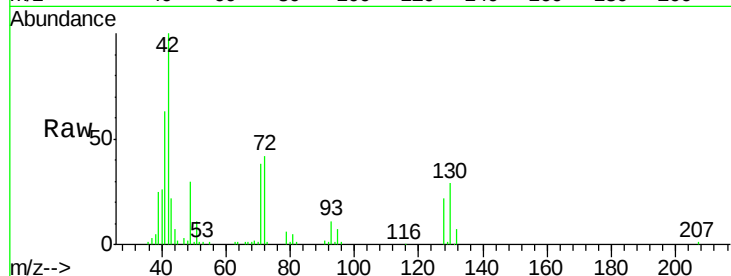




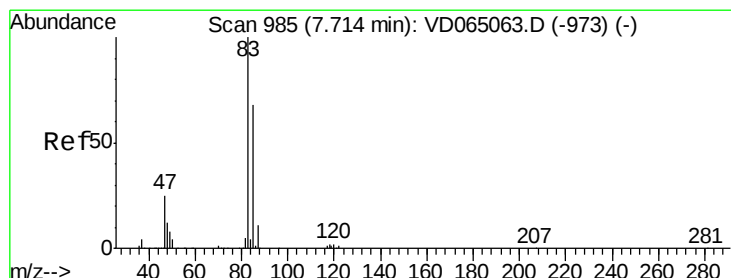
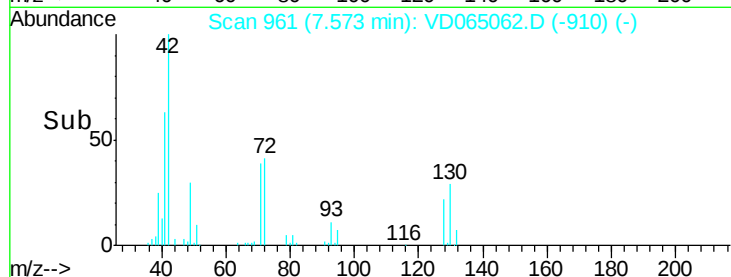
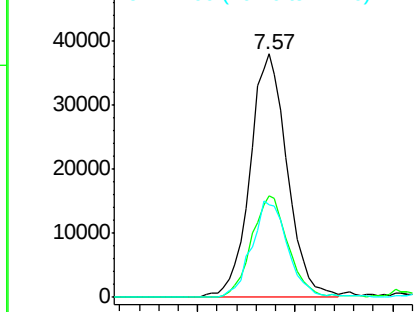
#29
Tetrahydrofuran
Concen: 104.00 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 101245
Ion Ratio Lower Upper
42 100
72 41.0 34.2 51.4
71 38.3 31.8 47.6

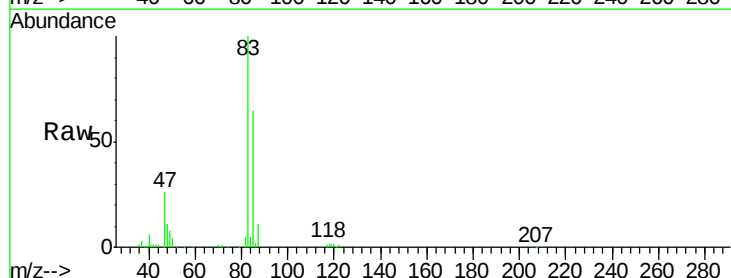


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

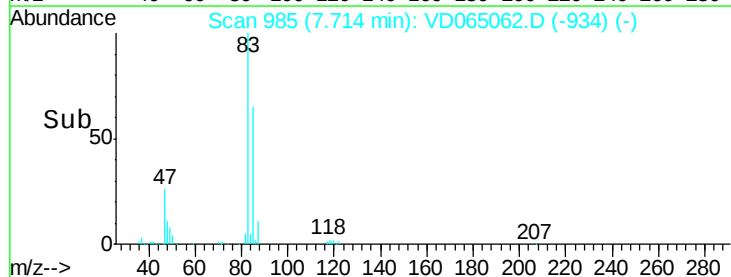
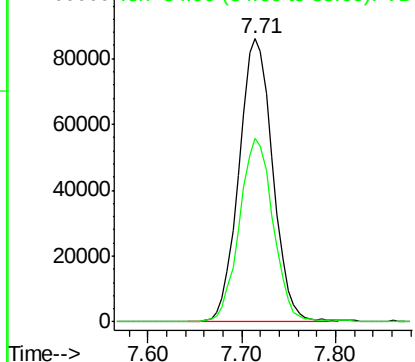


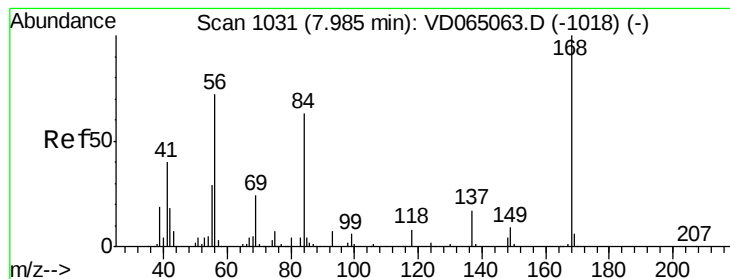
#30
Chloroform
Concen: 19.86 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 83 Resp: 213996
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.69 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

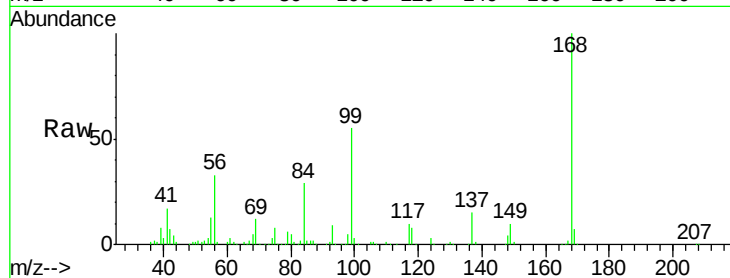
Tgt Ion: 56 Resp: 214493

Ion Ratio Lower Upper

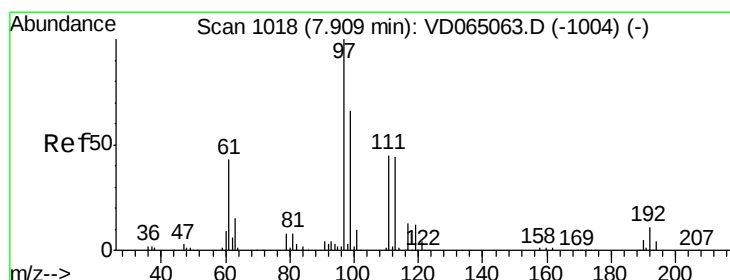
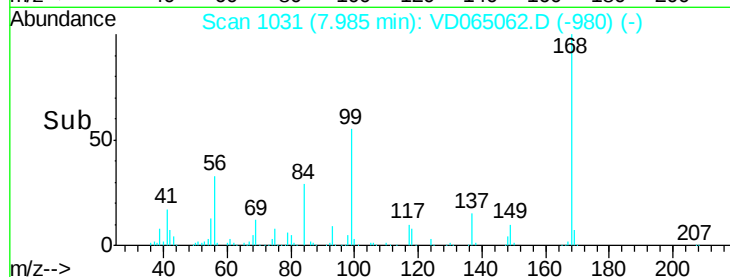
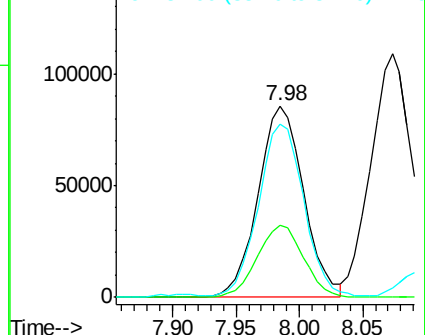
56 100

69 37.8 26.6 40.0

84 89.1 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.83 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

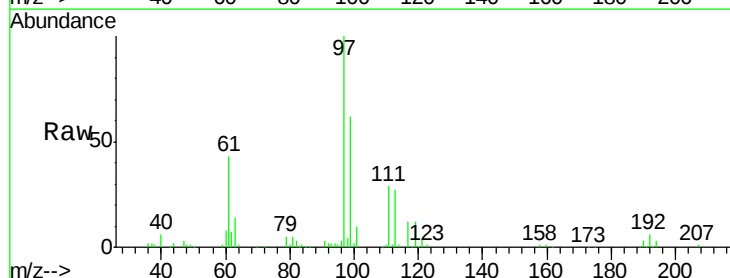
Tgt Ion: 97 Resp: 198970

Ion Ratio Lower Upper

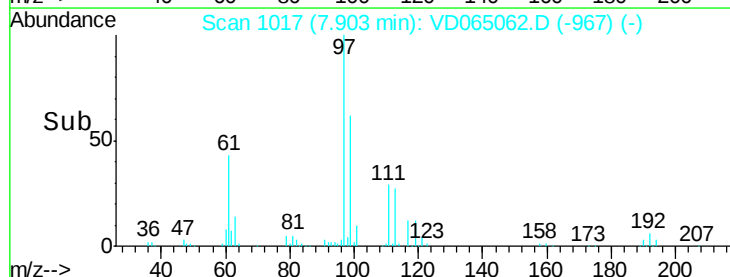
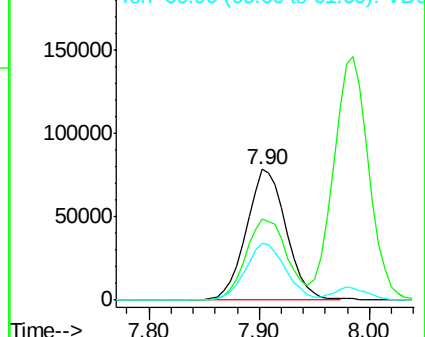
97 100

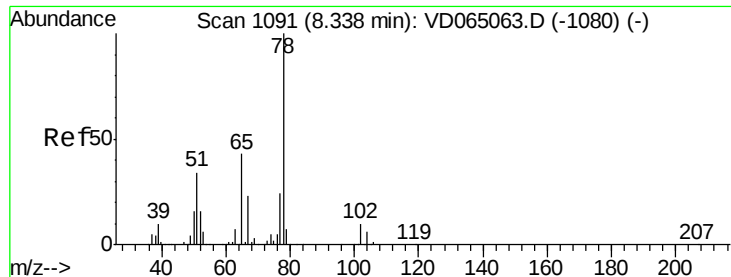
99 64.3 51.5 77.3

61 43.8 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

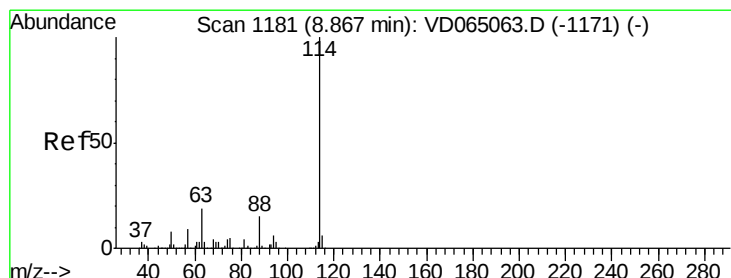
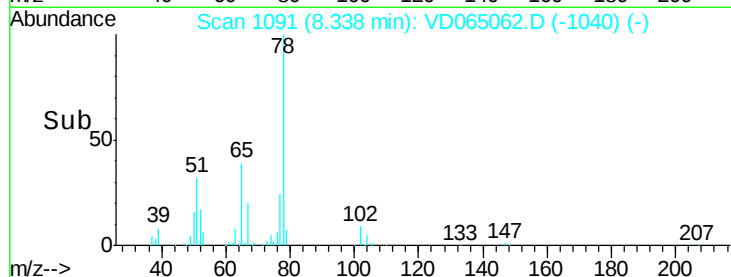
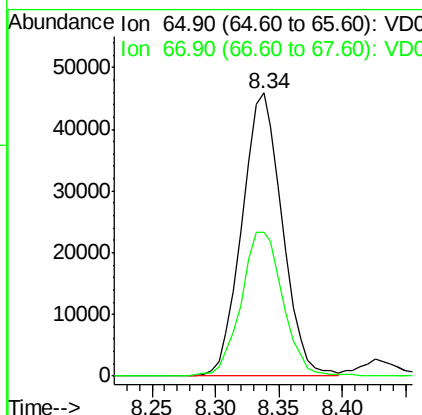
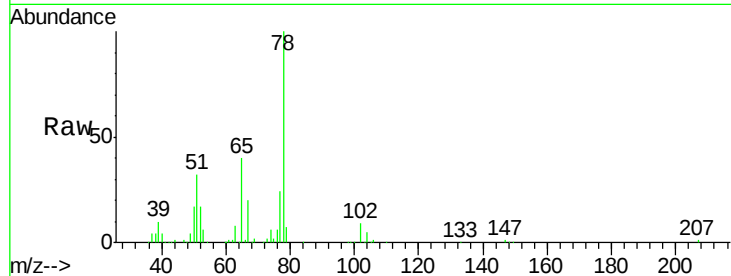




#33
 1,2-Dichloroethane-d4
 Concen: 17.49 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

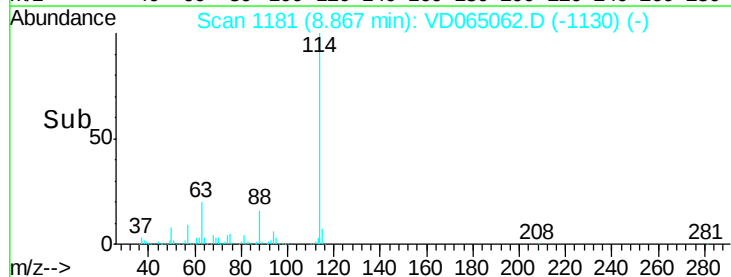
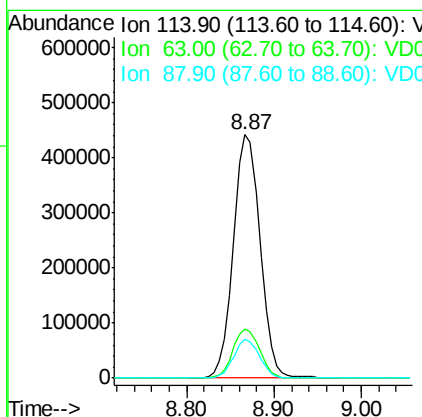
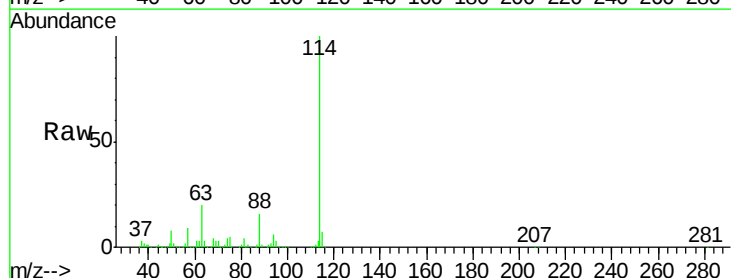
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

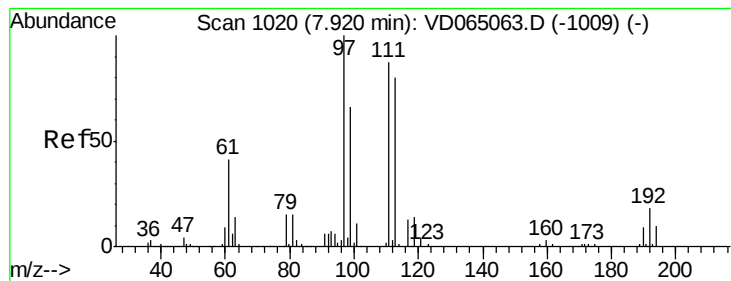
Tgt Ion: 65 Resp: 101316
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion: 114 Resp: 913368
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 16.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 17.78 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

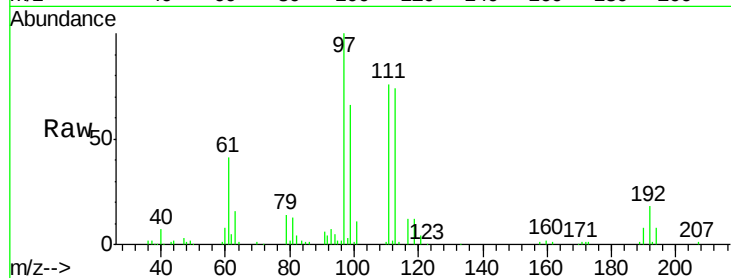
Tgt Ion: 113 Resp: 100198

Ion Ratio Lower Upper

113 100

111 101.7 83.1 124.7

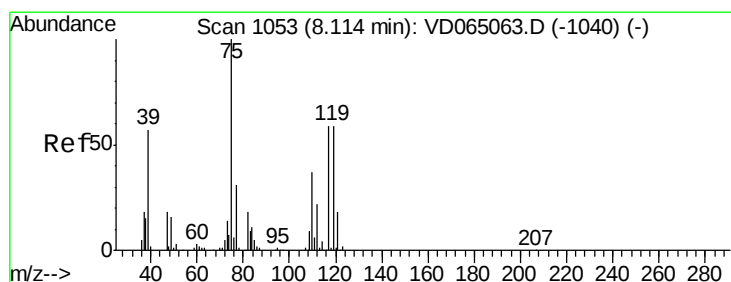
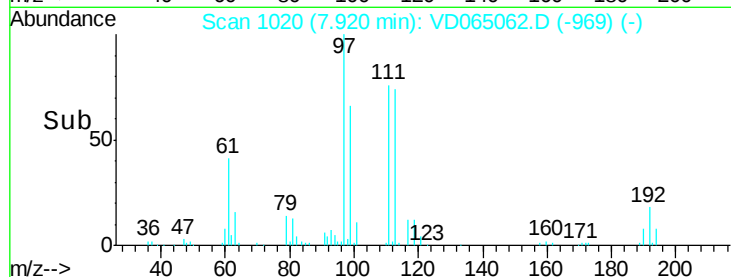
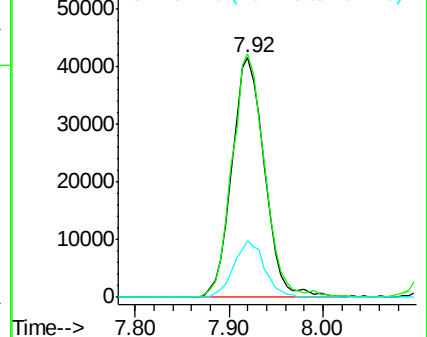
192 22.1 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.63 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

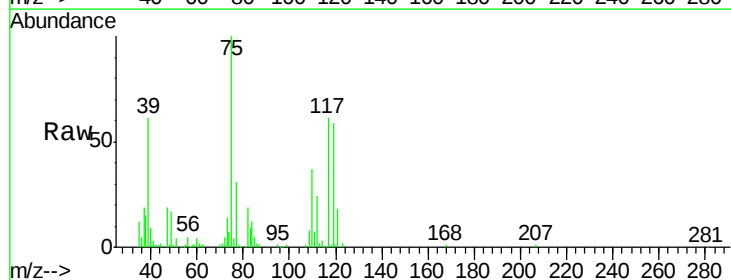
Tgt Ion: 75 Resp: 172646

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

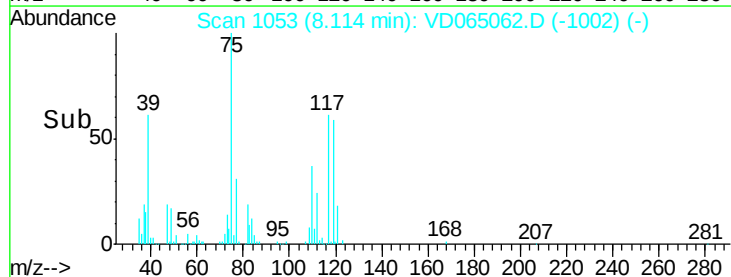
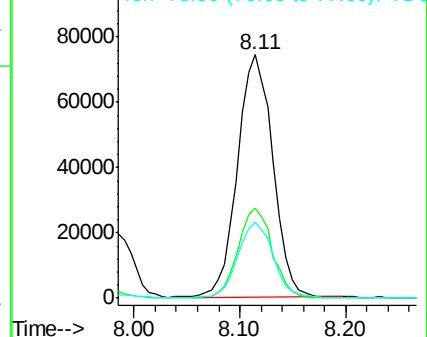
77 31.6 24.7 37.1

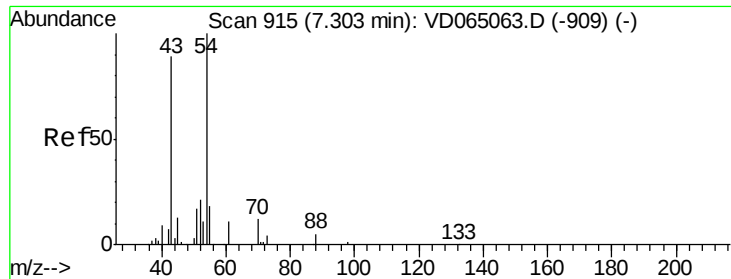


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

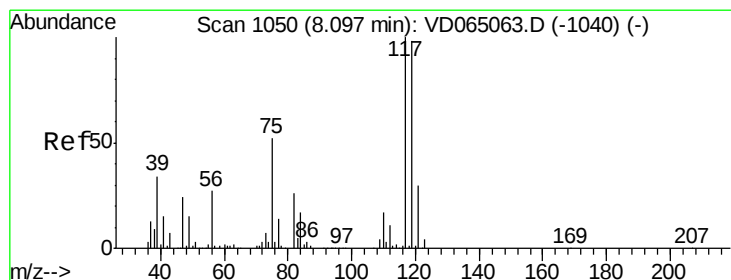
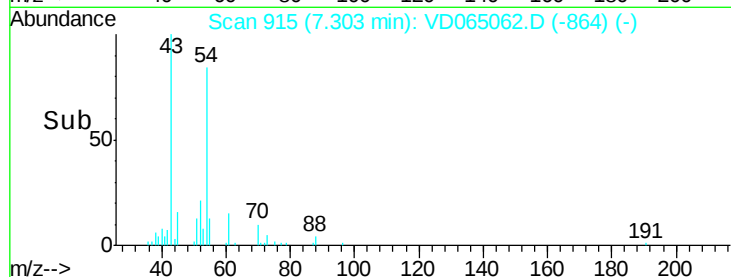
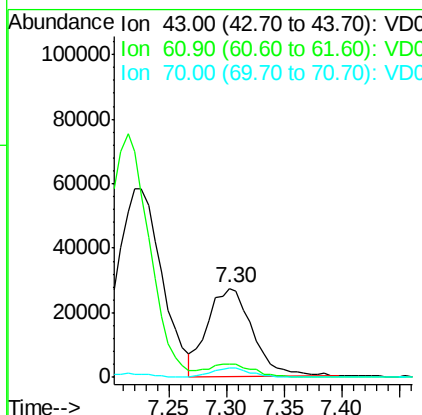
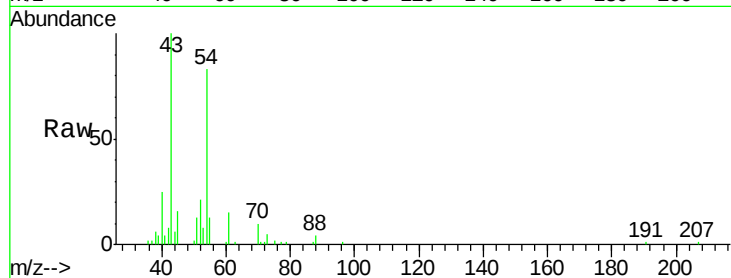




#37
Ethyl Acetate
Concen: 20.47 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

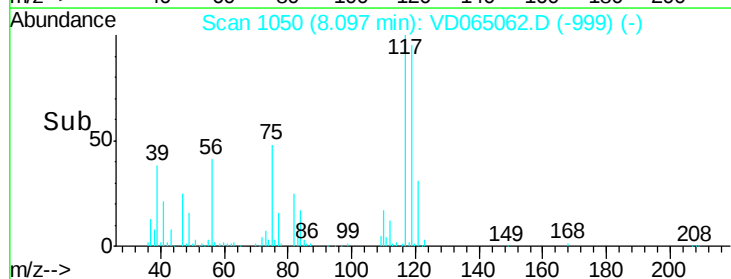
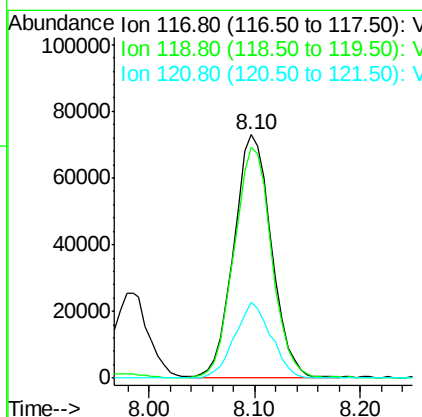
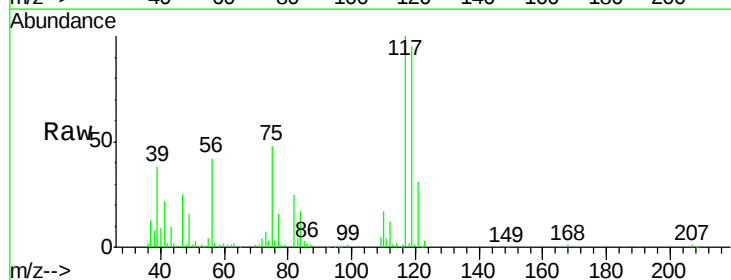
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

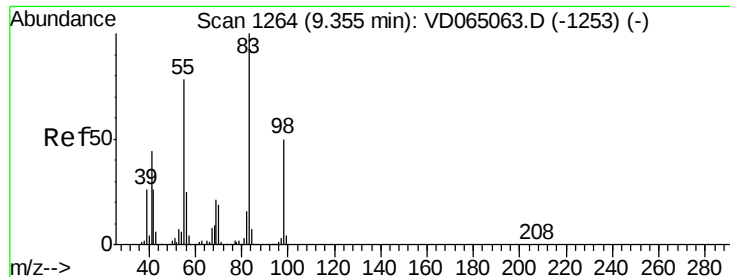
Tgt Ion: 43 Resp: 74058
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.4
70 9.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.43 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 117 Resp: 179310
Ion Ratio Lower Upper
117 100
119 95.4 78.5 117.7
121 31.1 23.8 35.6

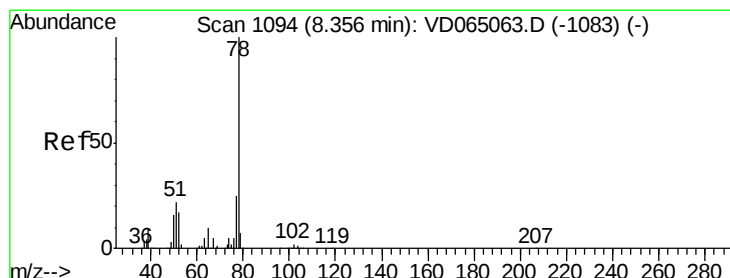
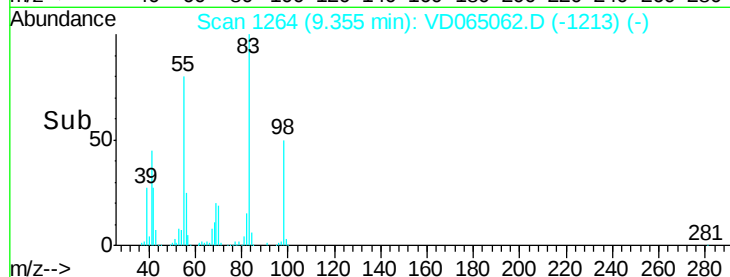
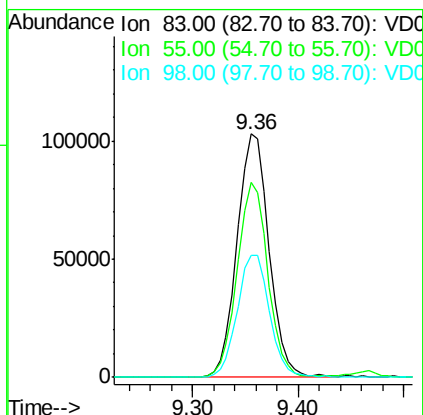
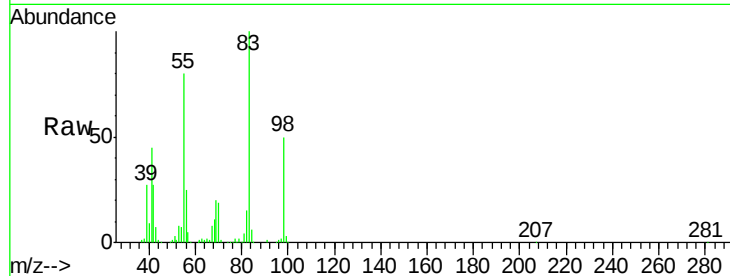




#39
Methylcyclohexane
Concen: 20.87 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

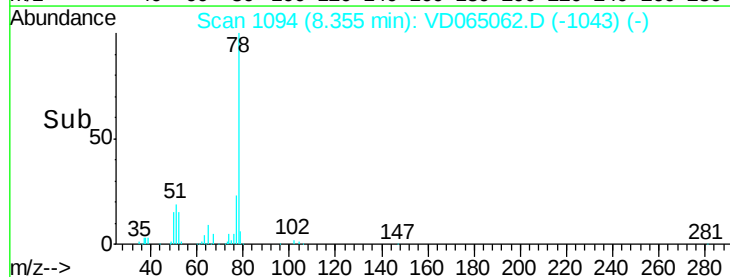
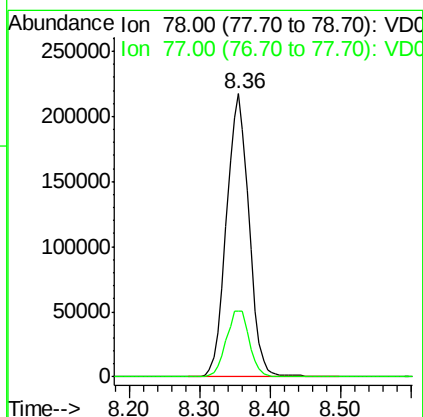
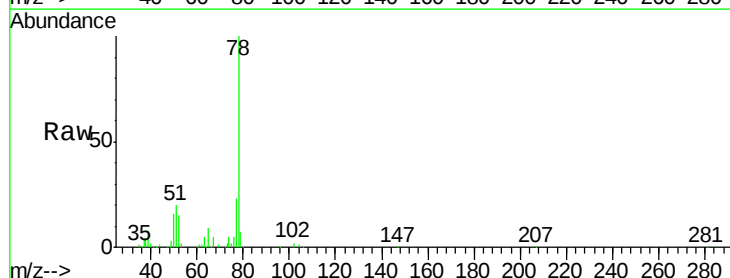
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

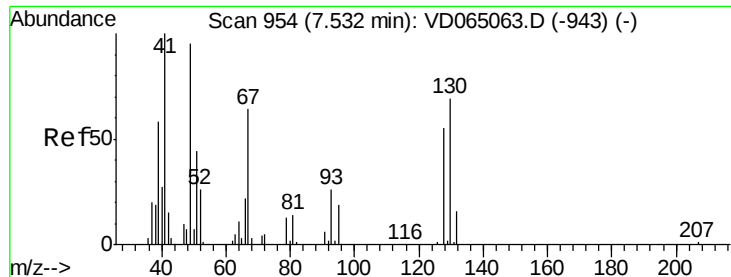
Tgt Ion: 83 Resp: 216374
Ion Ratio Lower Upper
83 100
55 80.0 62.0 93.0
98 50.3 39.9 59.9



#40
Benzene
Concen: 19.95 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 78 Resp: 482778
Ion Ratio Lower Upper
78 100
77 23.4 19.6 29.4





#41

Methacrylonitrile

Concen: 20.02 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 38132

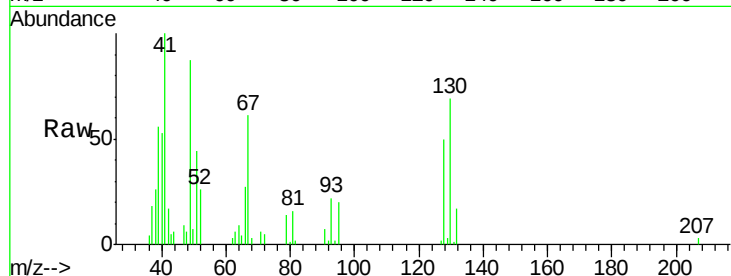
Ion Ratio Lower Upper

41 100

39 72.1 55.4 83.0

67 73.5 59.0 88.6

52 33.2 25.4 38.0

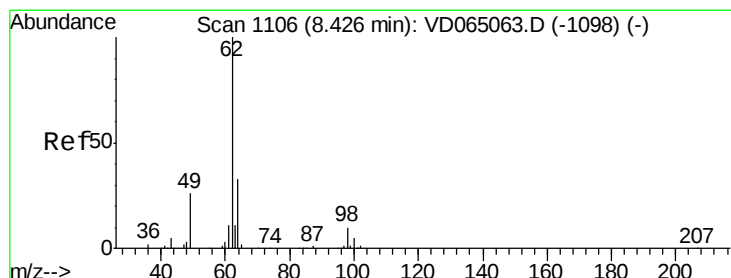
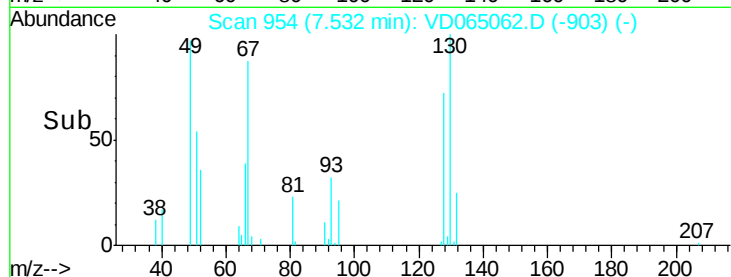
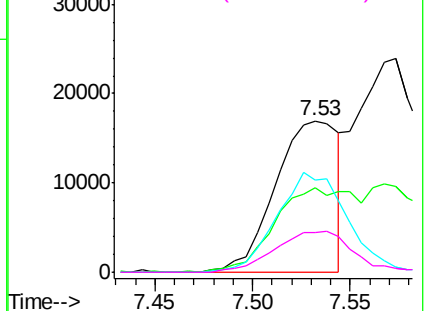


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.44 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065062.D

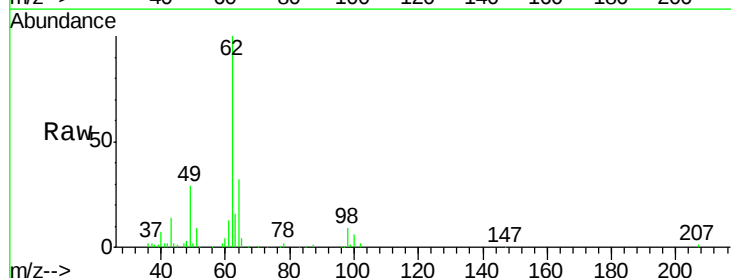
Acq: 05 Feb 2020 12:59

Tgt Ion: 62 Resp: 139060

Ion Ratio Lower Upper

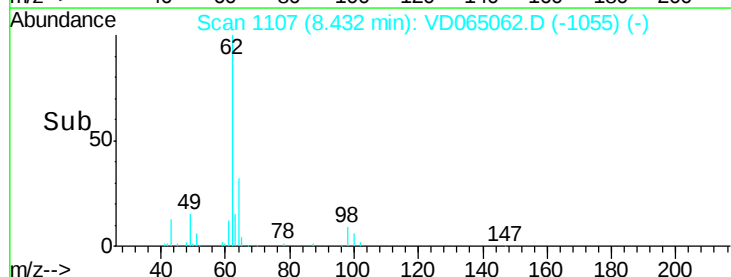
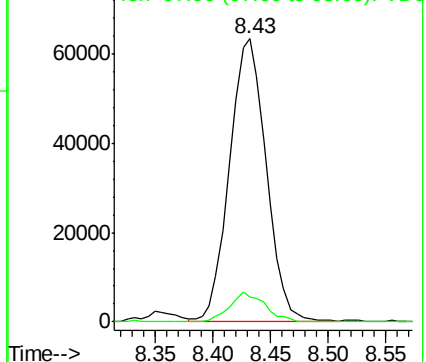
62 100

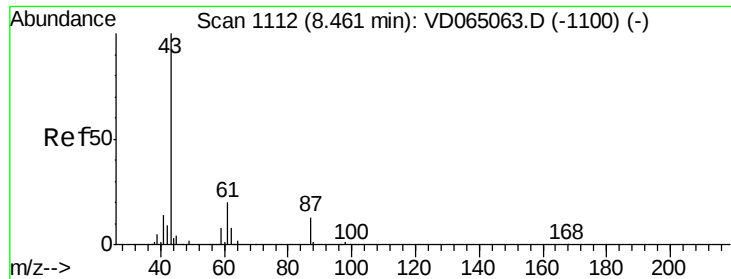
98 10.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.84 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

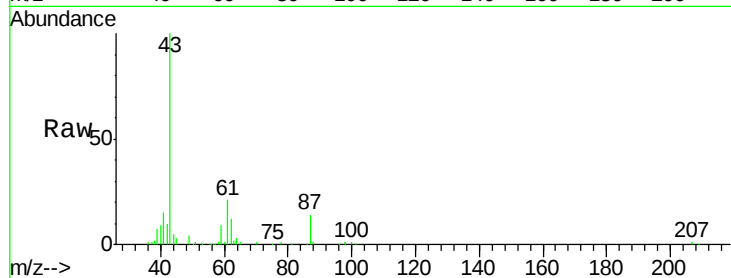
Tgt Ion: 43 Resp: 136308

Ion Ratio Lower Upper

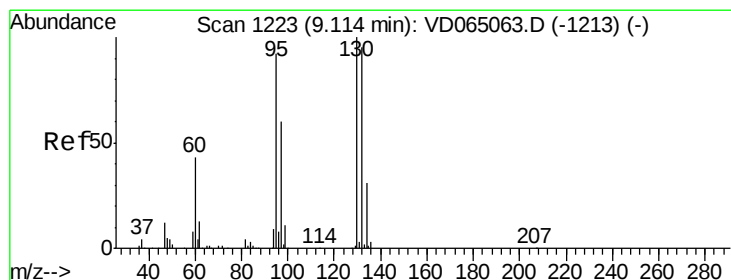
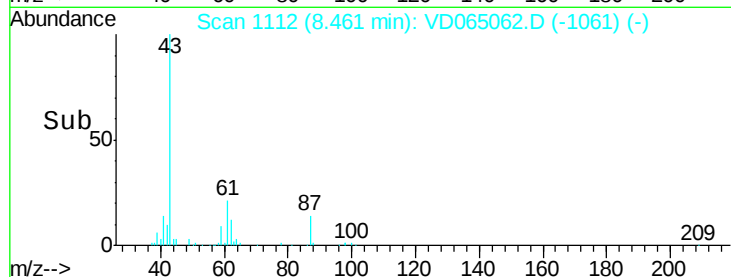
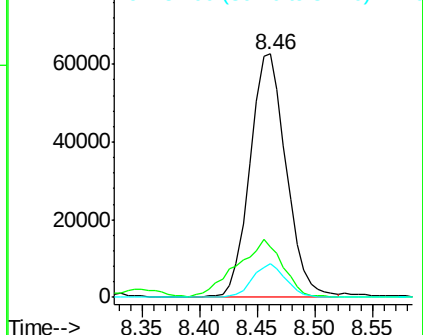
43 100

61 30.1 24.0 36.0

87 12.8 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.43 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065062.D

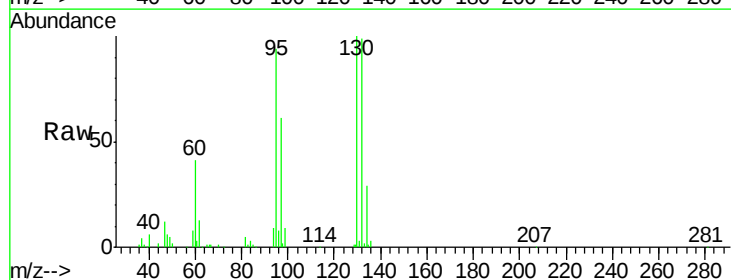
Acq: 05 Feb 2020 12:59

Tgt Ion: 130 Resp: 139210

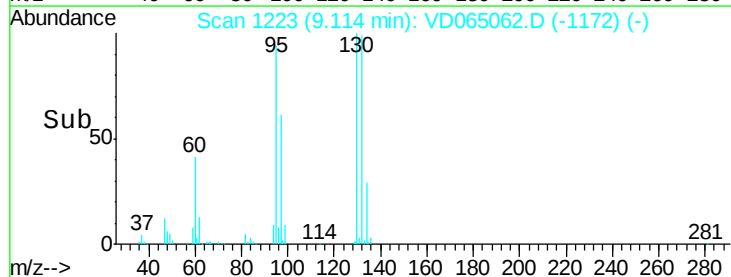
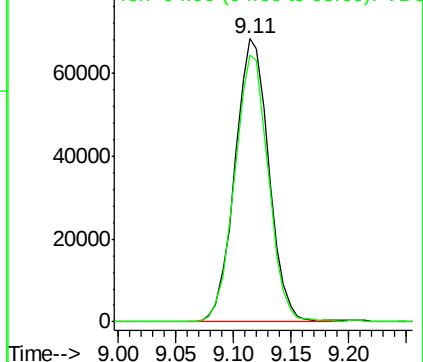
Ion Ratio Lower Upper

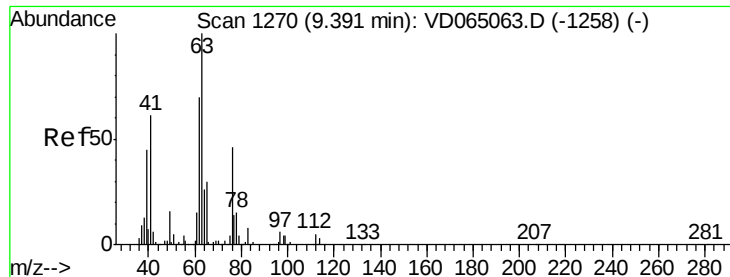
130 100

95 94.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.72 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

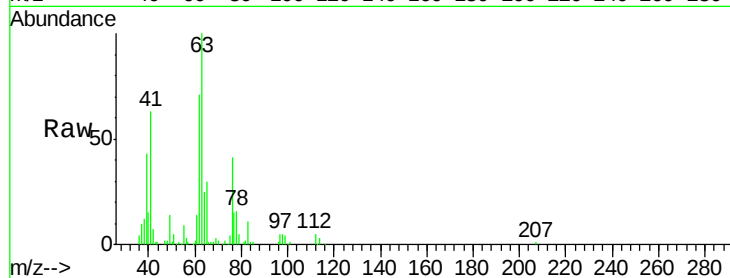
VSTDIC020

Tgt Ion: 63 Resp: 115947

Ion Ratio Lower Upper

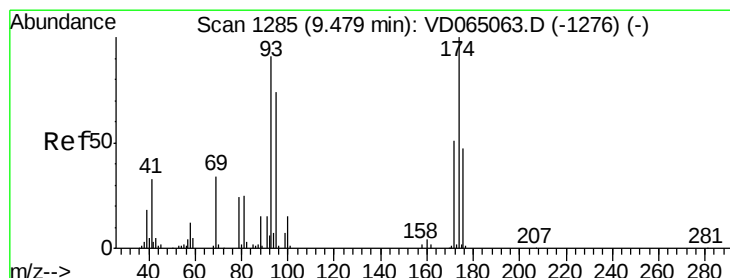
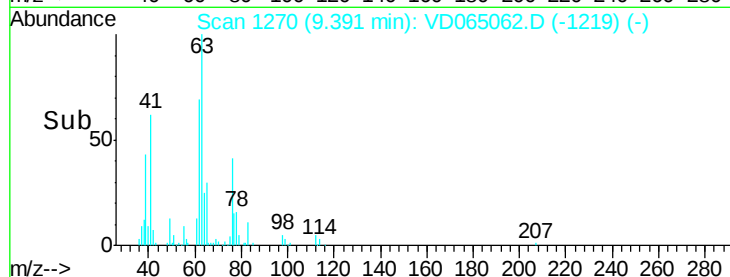
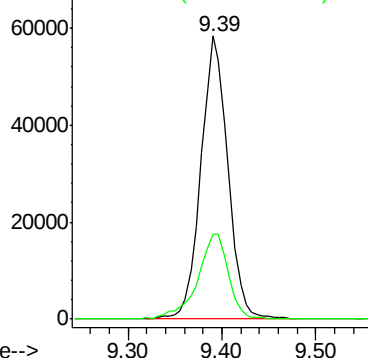
63 100

65 30.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 18.98 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

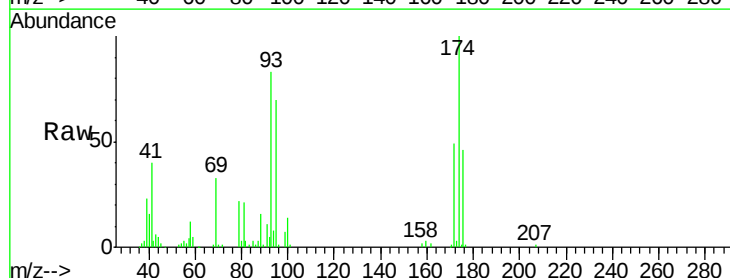
Tgt Ion: 93 Resp: 60464

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

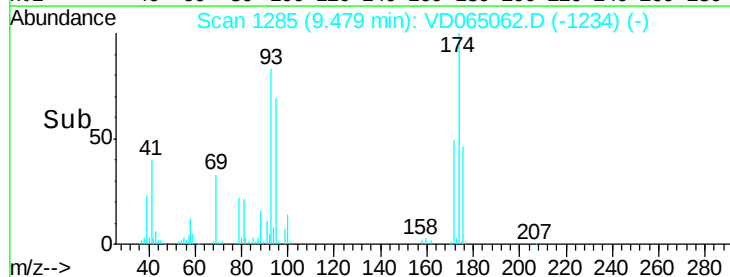
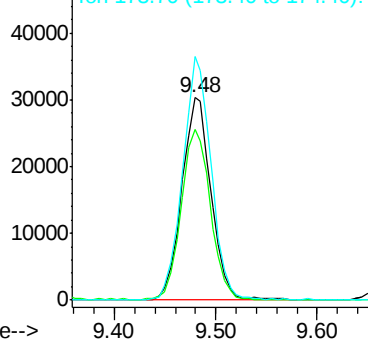
174 116.6 89.8 134.8

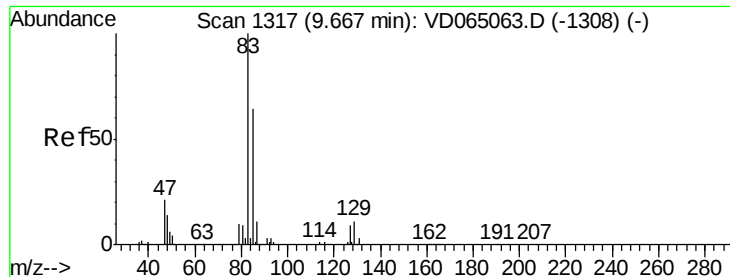


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.84 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

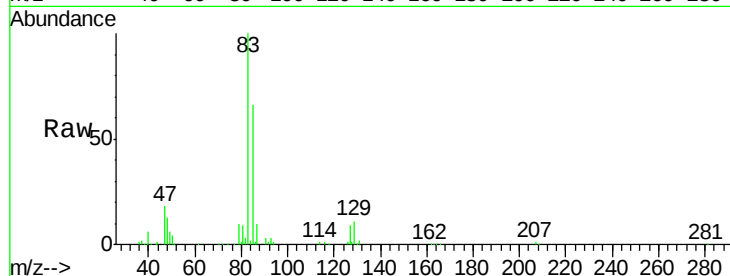
Tgt Ion: 83 Resp: 164461

Ion Ratio Lower Upper

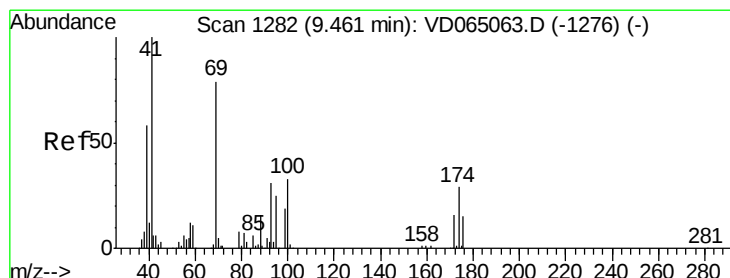
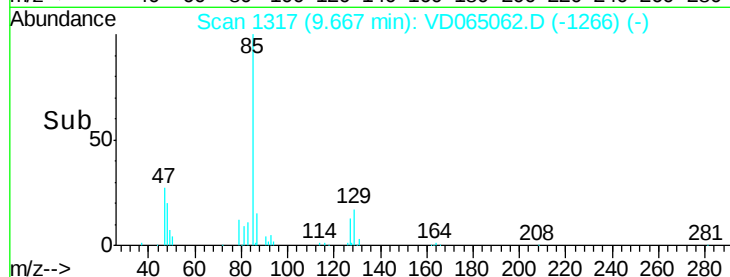
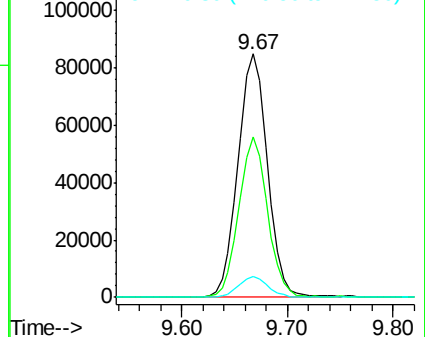
83 100

85 66.1 51.0 76.6

127 8.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.76 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

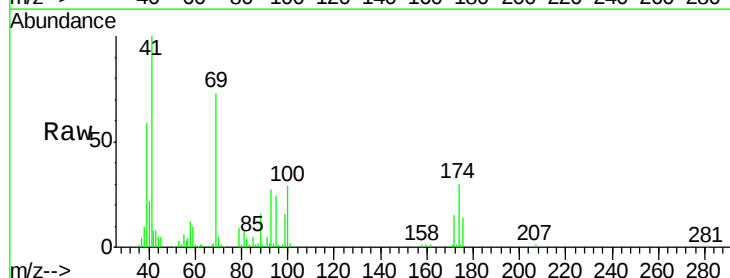
Tgt Ion: 41 Resp: 65629

Ion Ratio Lower Upper

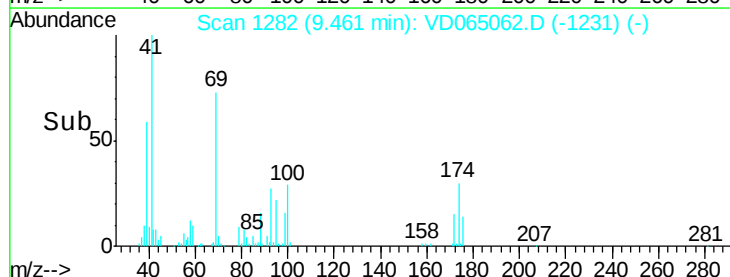
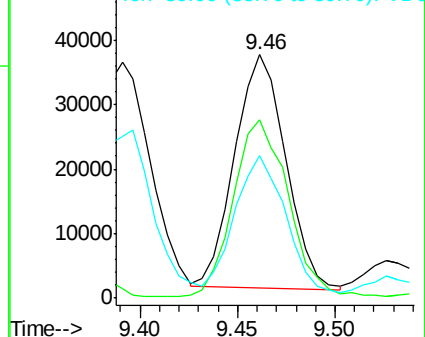
41 100

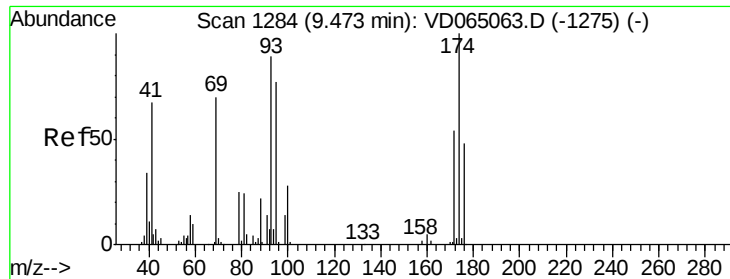
69 83.5 67.5 101.3

39 57.7 47.0 70.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

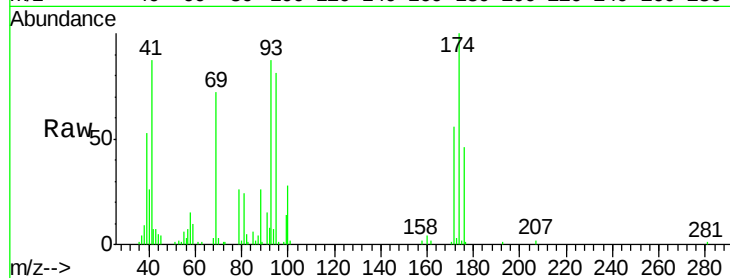




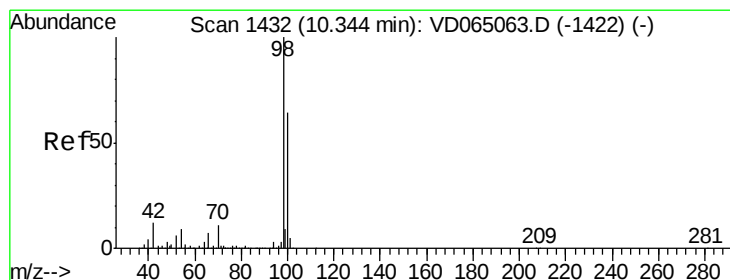
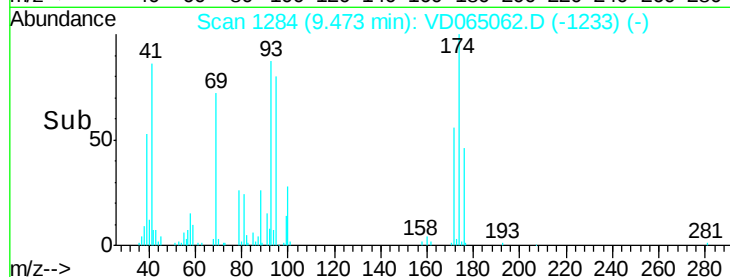
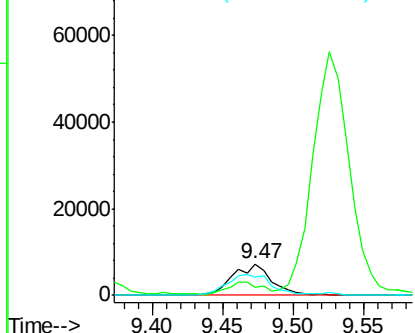
#49
1,4-Dioxane
Concen: 380.71 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 13934
Ion Ratio Lower Upper
88 100
43 32.8 27.7 41.5
58 76.8 55.5 83.3

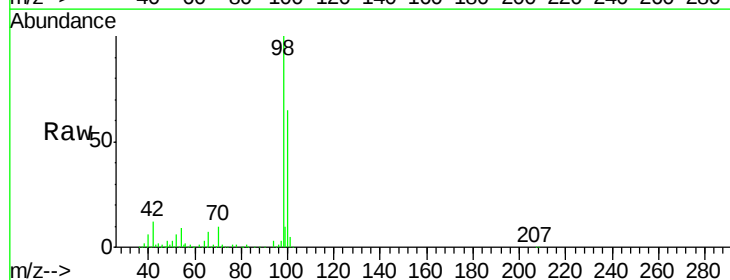


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

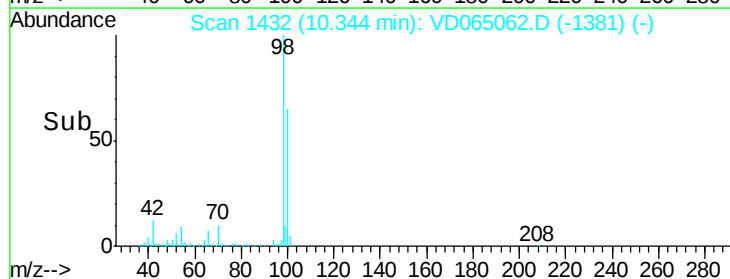
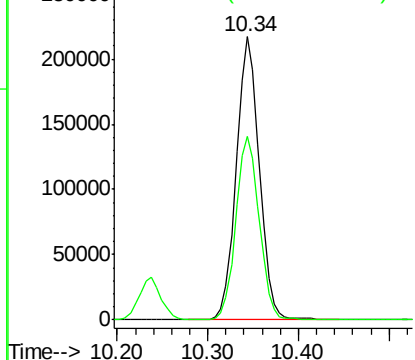


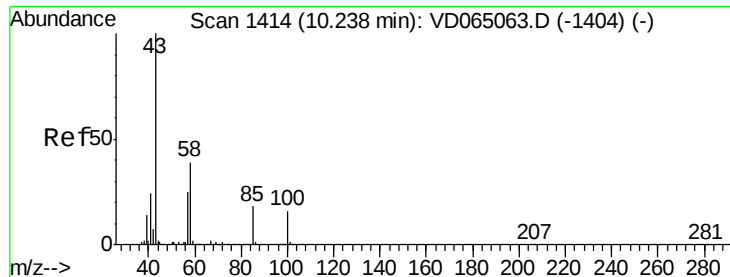
#50
Toluene-d8
Concen: 17.64 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 98 Resp: 384821
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.33 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

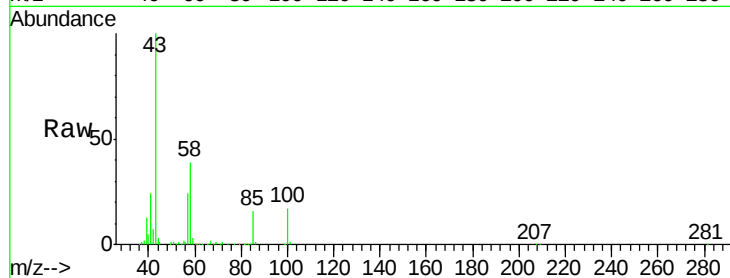
VSTDIC020

Tgt Ion: 43 Resp: 342821

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

200000

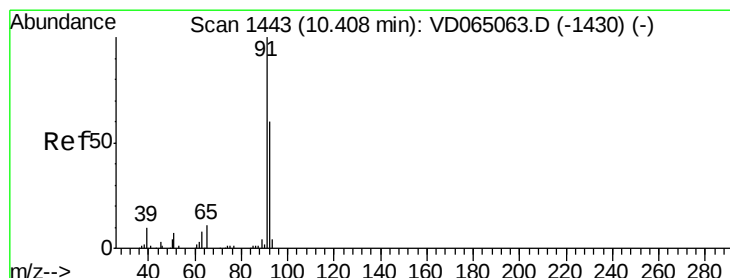
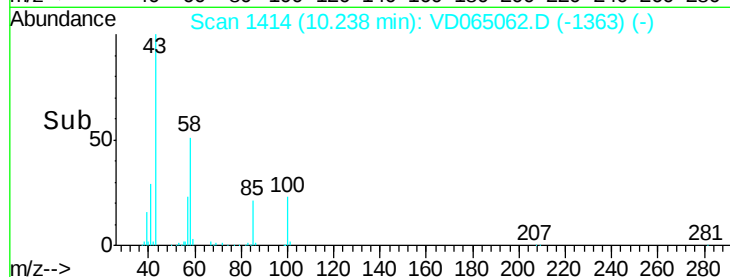
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.69 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065062.D

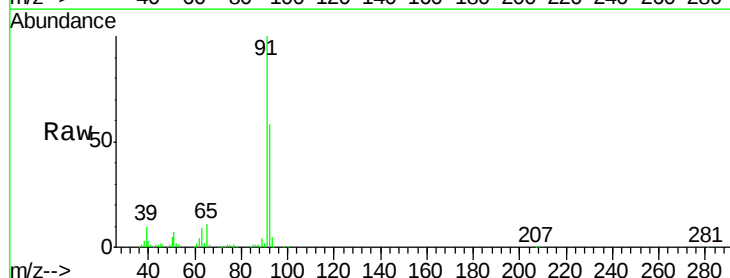
Acq: 05 Feb 2020 12:59

Tgt Ion: 92 Resp: 307514

Ion Ratio Lower Upper

92 100

91 173.6 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

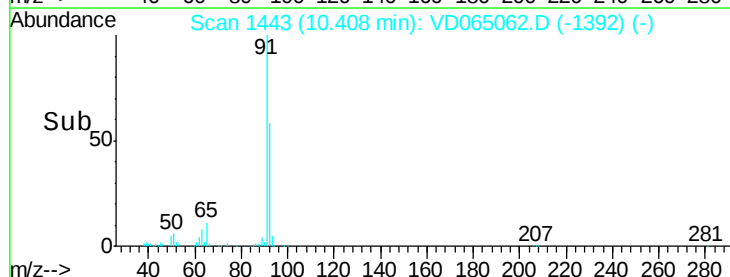
300000

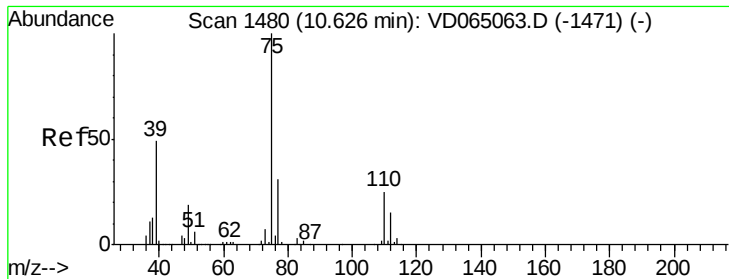
200000

100000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 19.82 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

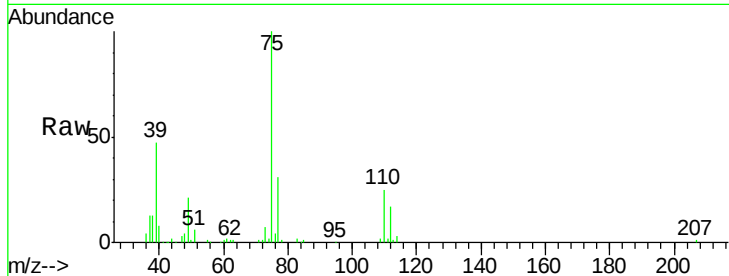
VSTDIC020

Tgt Ion: 75 Resp: 156587

Ion Ratio Lower Upper

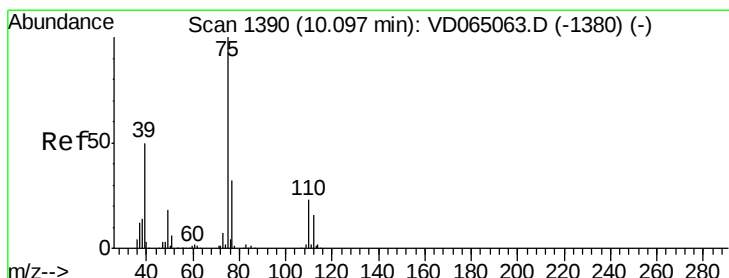
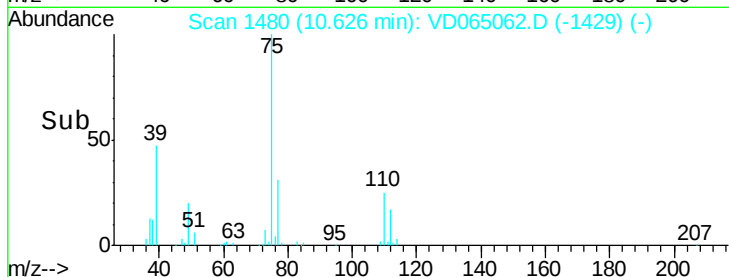
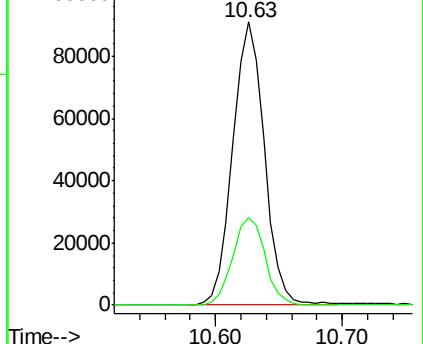
75 100

77 30.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.25 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

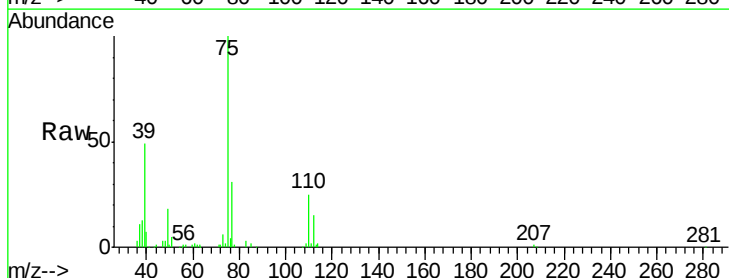
Tgt Ion: 75 Resp: 188102

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

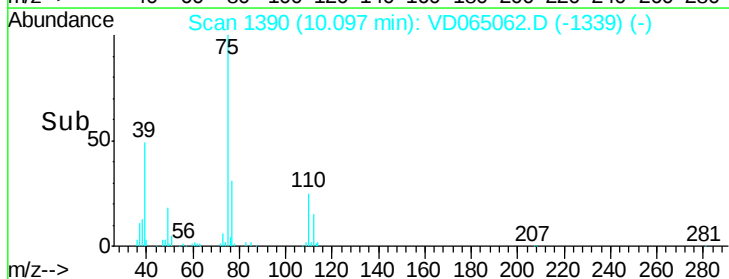
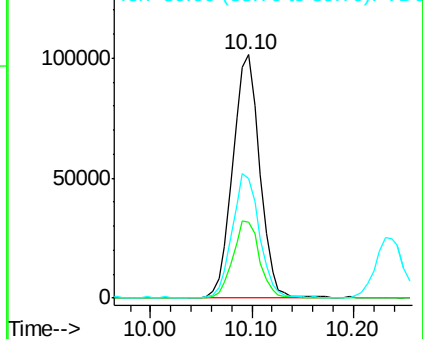
39 48.7 40.3 60.5

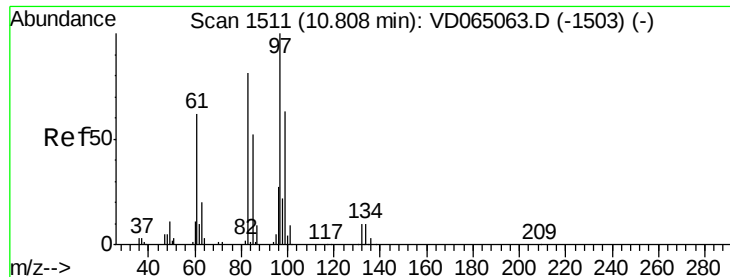


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

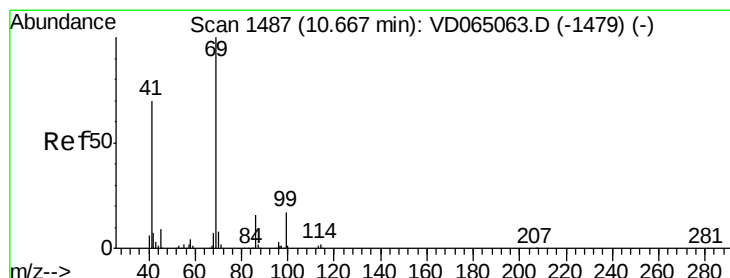
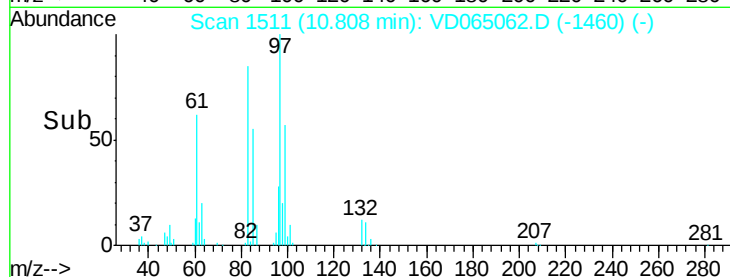
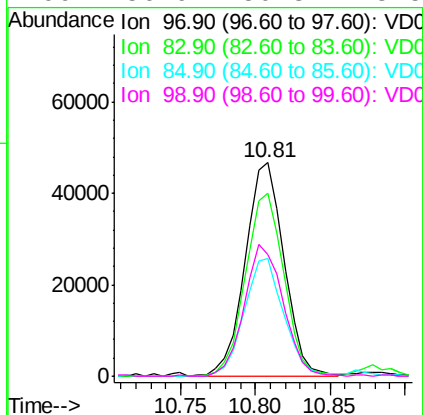
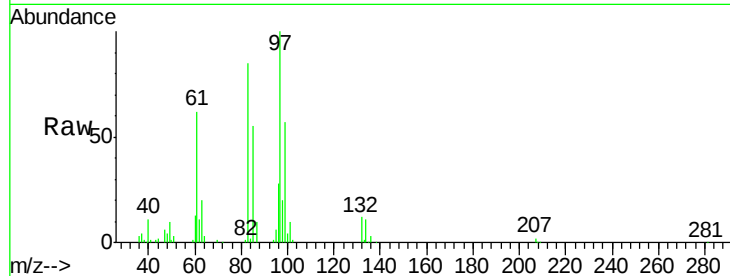




#55
 1,1,2-Trichloroethane
 Concen: 19.60 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

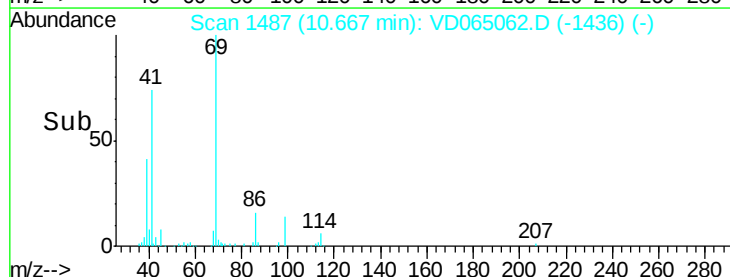
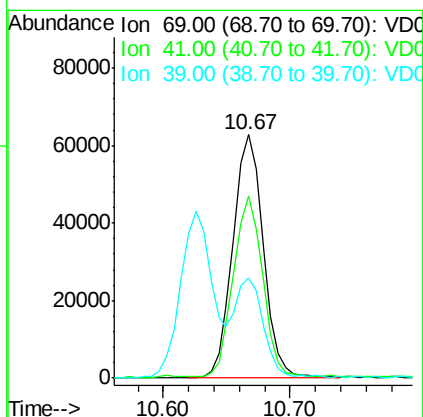
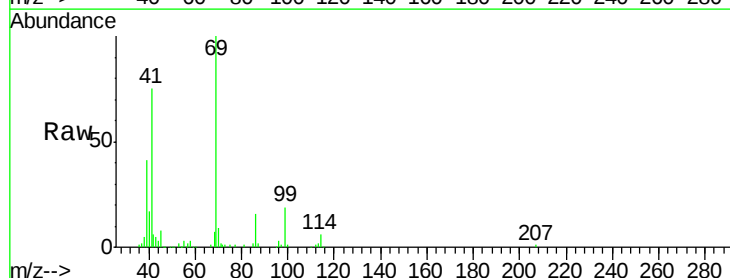
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

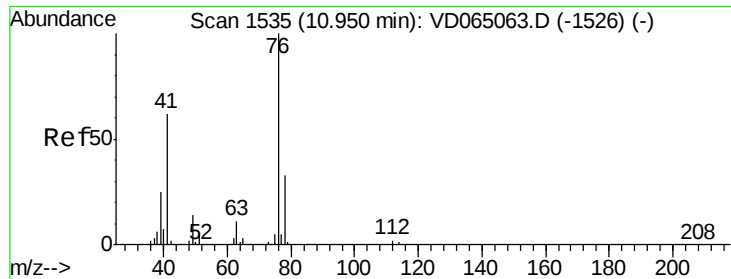
Tgt Ion:	97	Resp:	83998
Ion	Ratio	Lower	Upper
97	100		
83	85.4	64.8	97.2
85	55.3	41.2	61.8
99	56.9	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 20.30 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion:	69	Resp:	104404
Ion	Ratio	Lower	Upper
69	100		
41	71.3	55.9	83.9
39	38.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.33 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

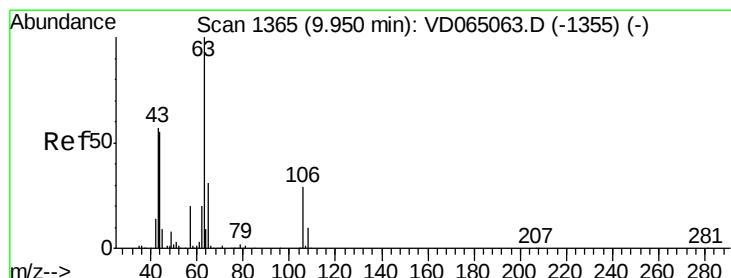
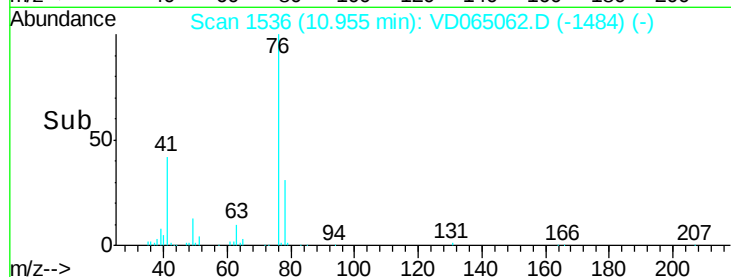
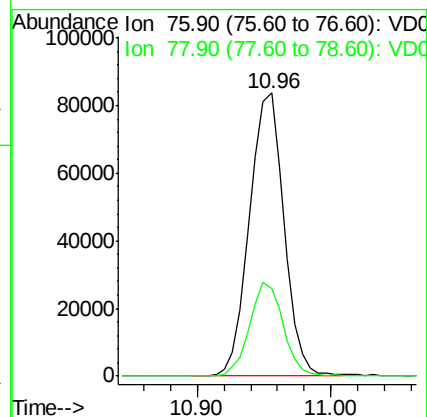
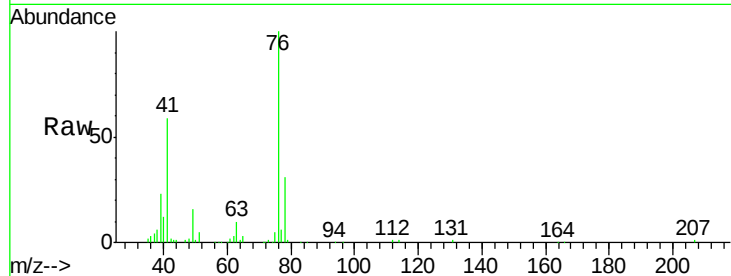
VSTDIC020

Tgt Ion: 76 Resp: 149723

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 91.56 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065062.D

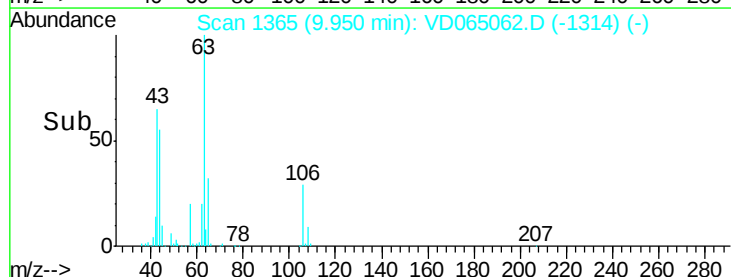
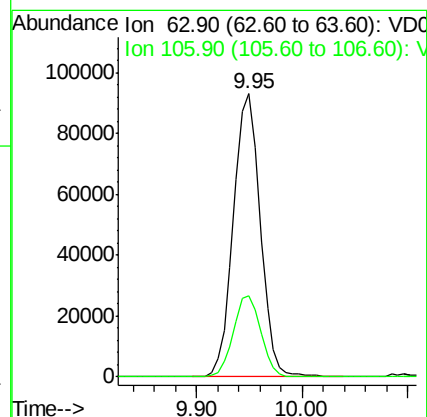
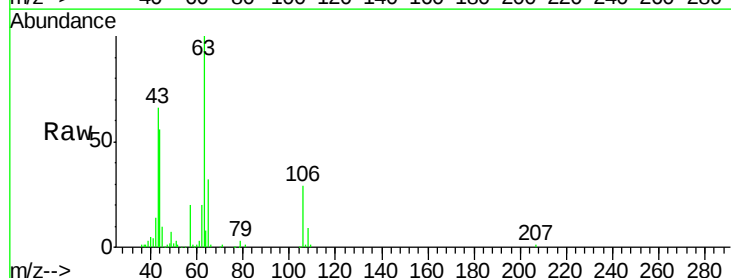
Acq: 05 Feb 2020 12:59

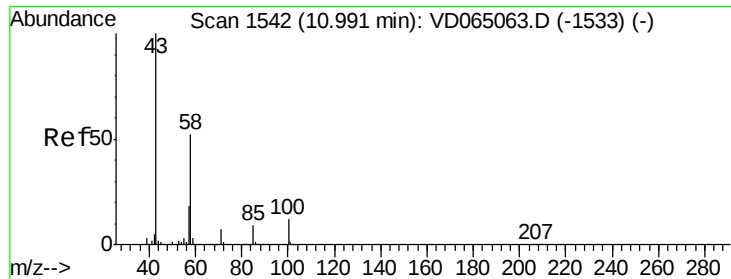
Tgt Ion: 63 Resp: 164021

Ion Ratio Lower Upper

63 100

106 29.1 23.3 34.9

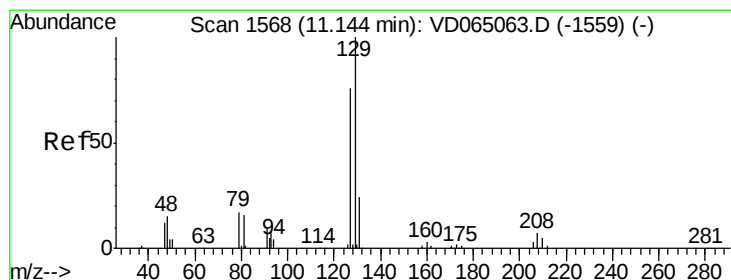
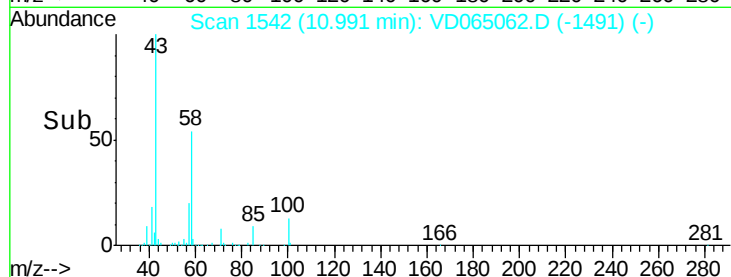
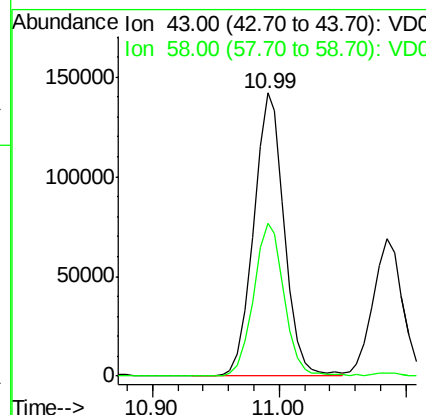
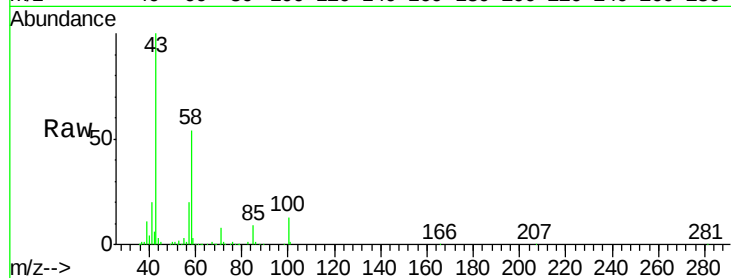




#59
2-Hexanone
Concen: 100.84 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

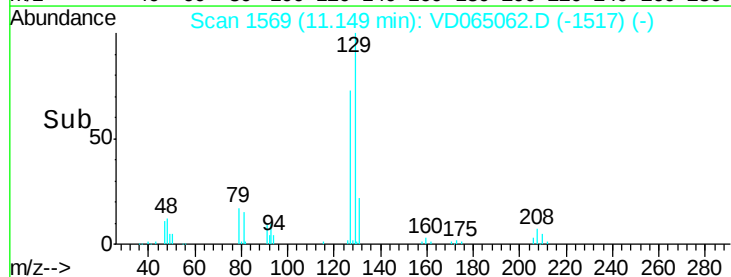
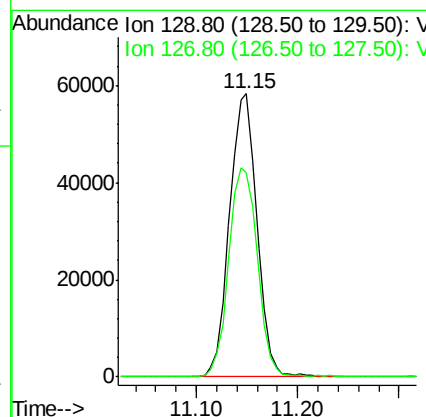
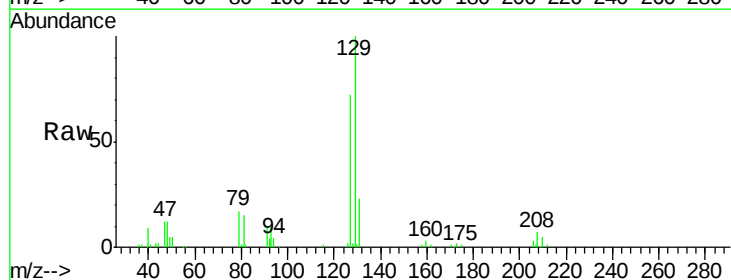
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

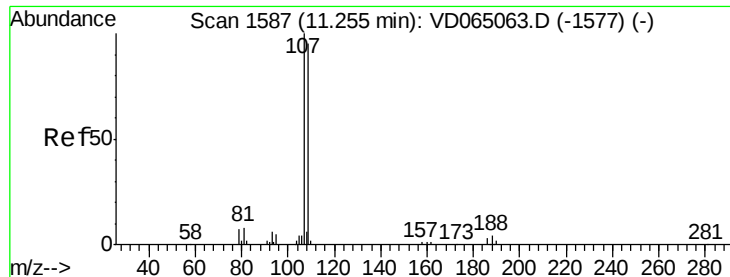
Tgt Ion: 43 Resp: 238489
Ion Ratio Lower Upper
43 100
58 53.8 26.2 78.6



#60
Dibromochloromethane
Concen: 19.23 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 129 Resp: 109815
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9

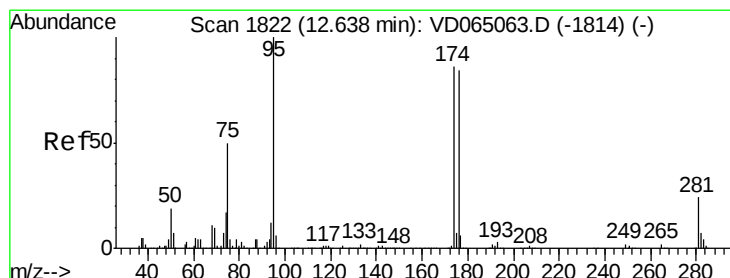
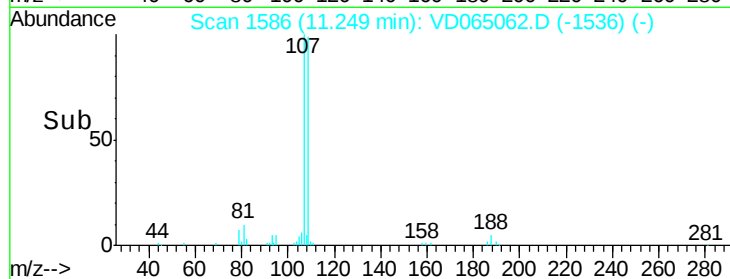
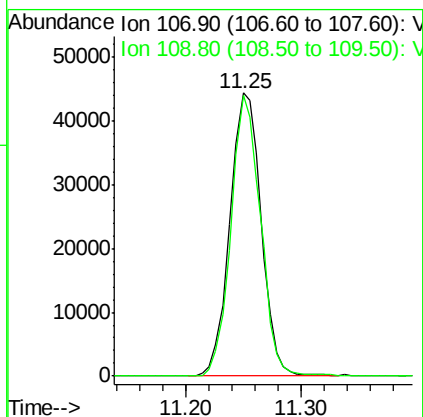
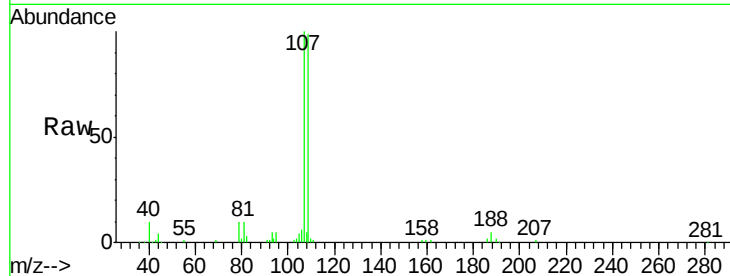




#61
 1,2-Dibromoethane
 Concen: 20.12 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

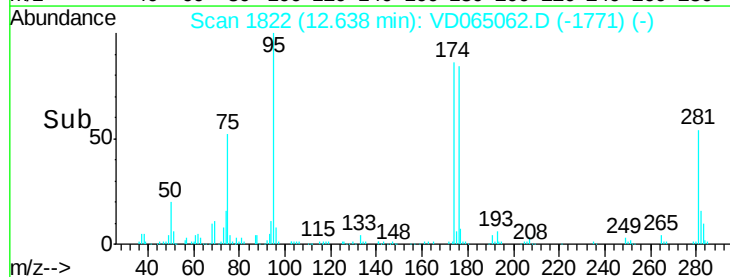
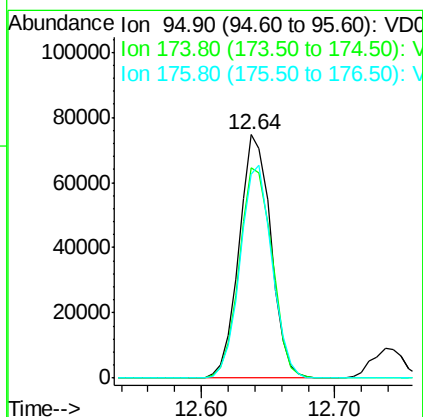
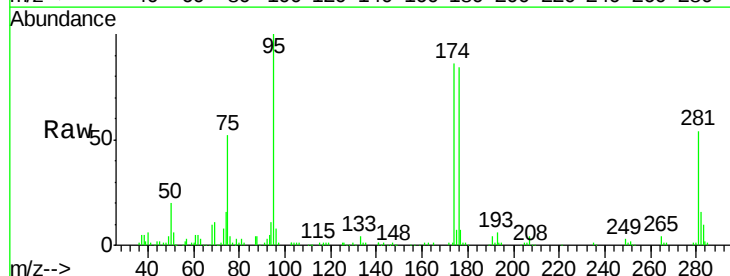
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

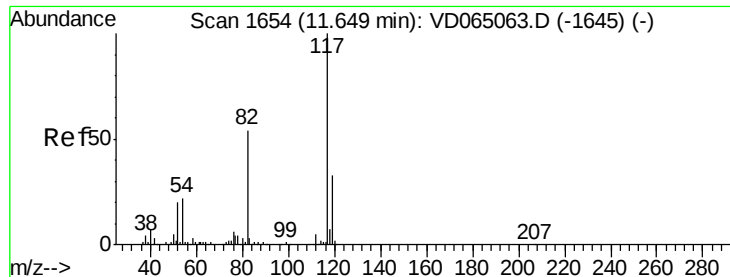
Tgt Ion: 107 Resp: 83233
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 18.26 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion: 95 Resp: 122940
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 180.0
 176 87.6 0.0 173.2

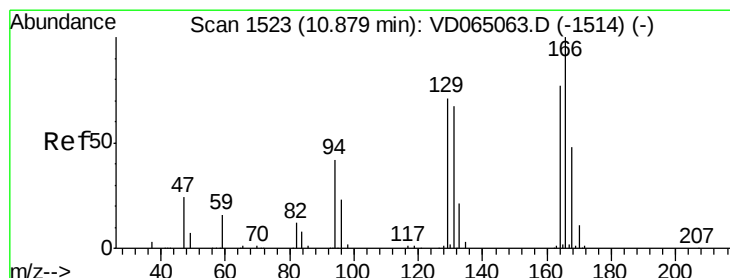
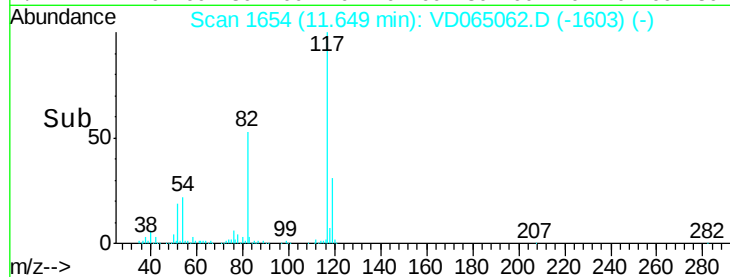
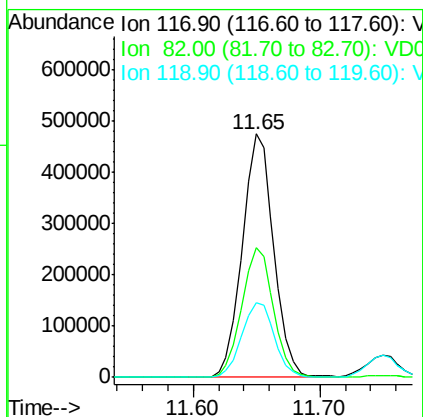
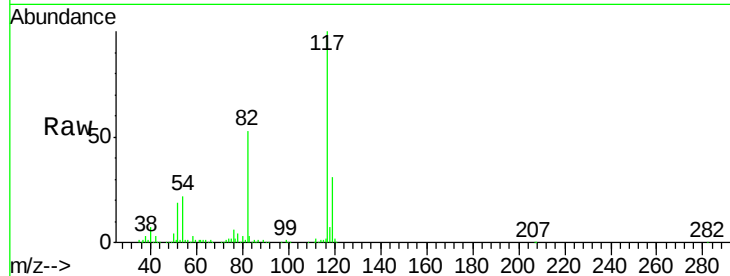




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

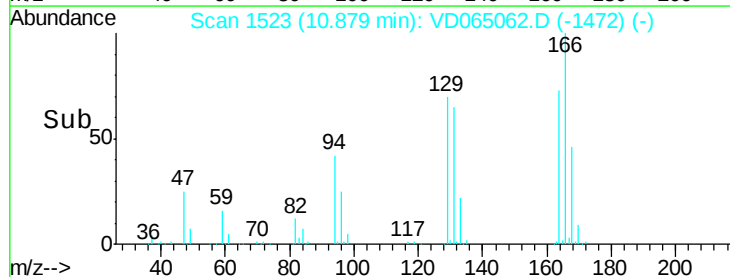
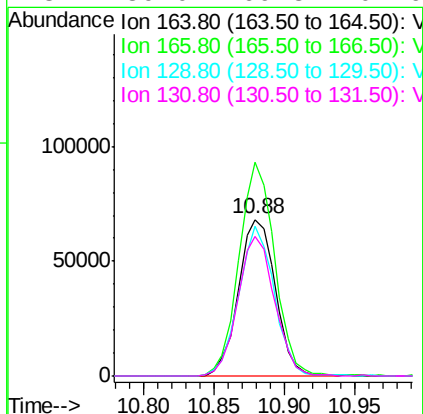
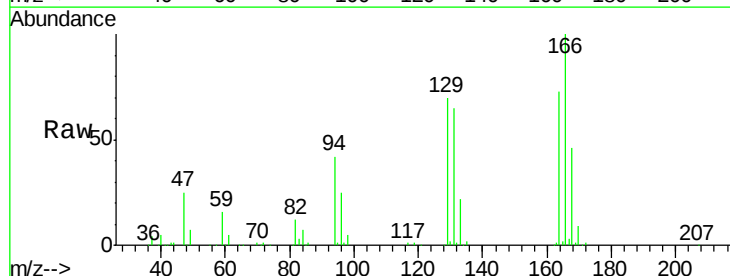
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

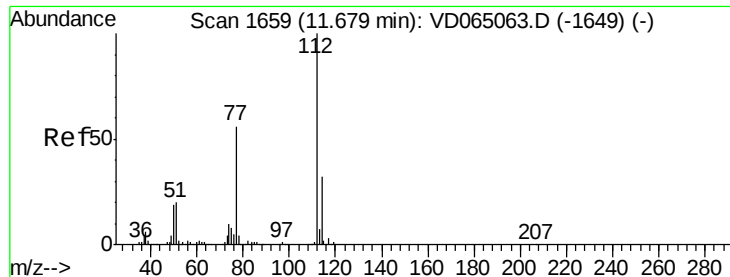
Tgt Ion:117 Resp: 814114
Ion Ratio Lower Upper
117 100
82 53.3 43.1 64.7
119 30.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.19 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion:164 Resp: 125121
Ion Ratio Lower Upper
164 100
166 136.7 103.5 155.3
129 95.6 73.3 109.9
131 89.0 69.8 104.6

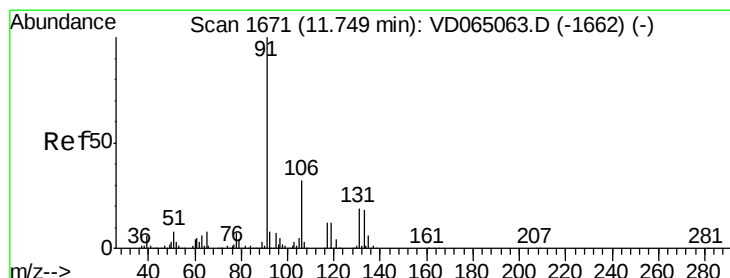
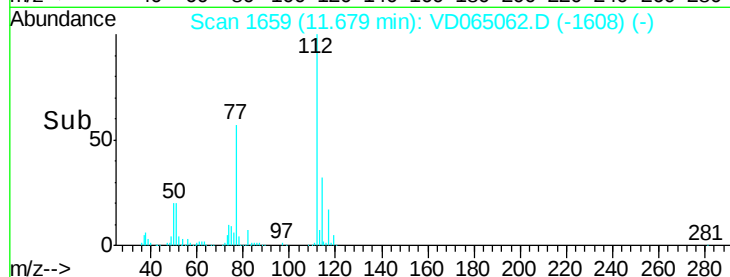
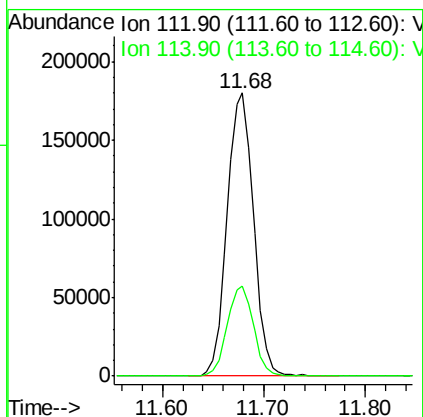
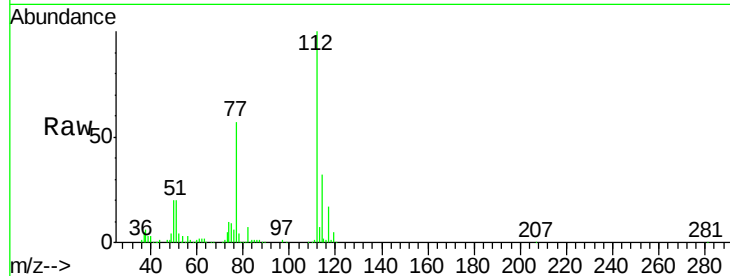




#65
Chlorobenzene
Concen: 19.60 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

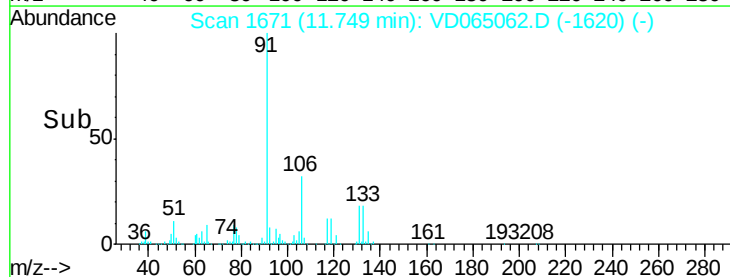
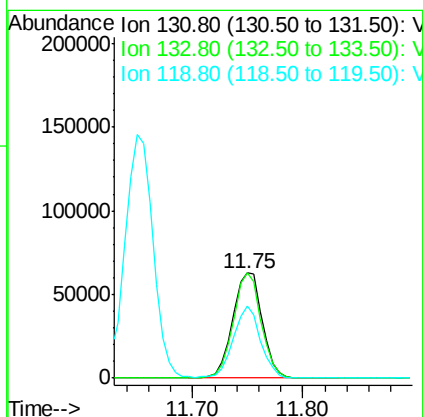
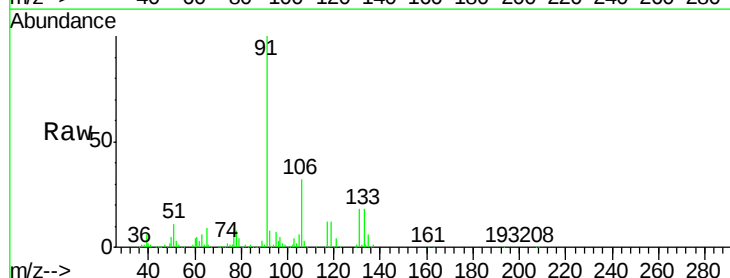
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

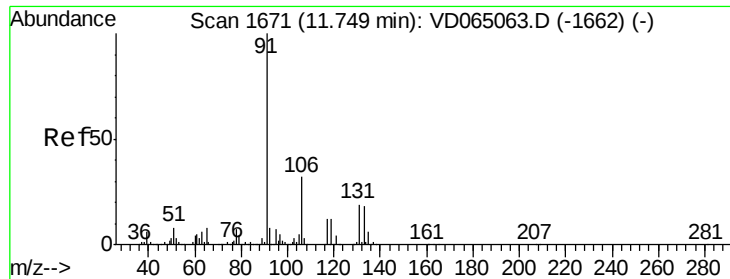
Tgt Ion:112 Resp: 324728
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.07 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion:131 Resp: 118301
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 63.8 31.3 93.8

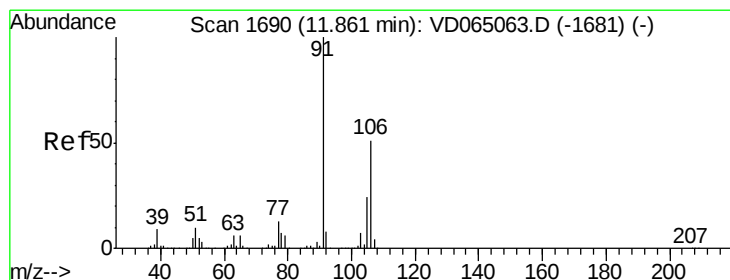
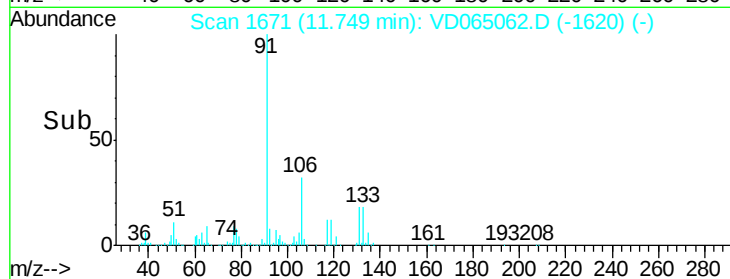
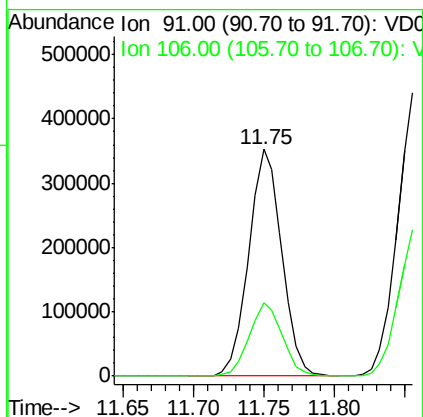
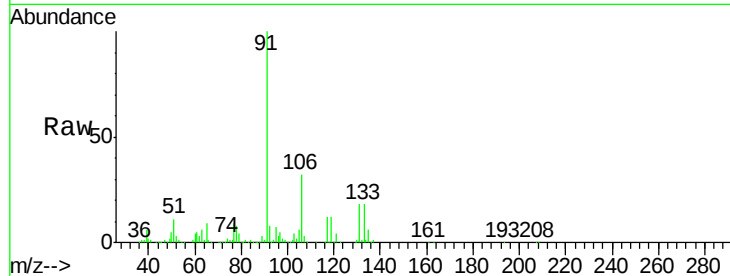




#67
Ethyl Benzene
Concen: 19.75 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

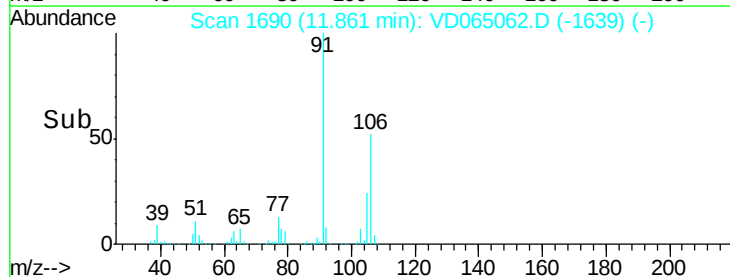
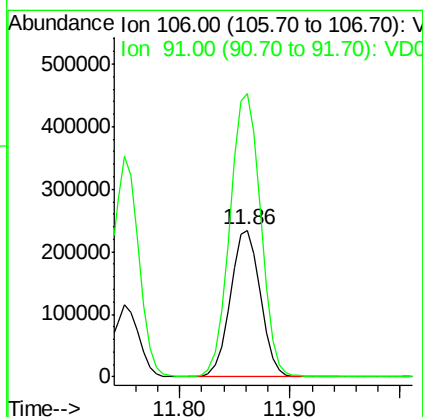
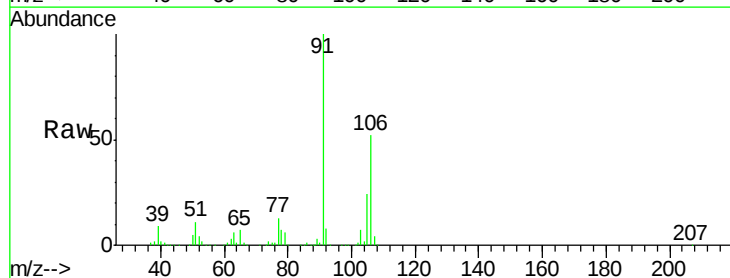
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

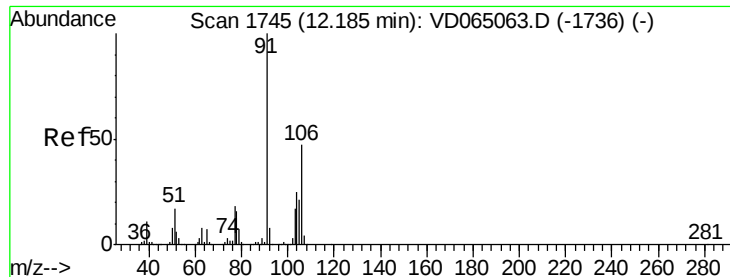
Tgt Ion: 91 Resp: 580102
Ion Ratio Lower Upper
91 100
106 32.5 25.4 38.2



#68
m/p-Xylenes
Concen: 39.50 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion: 106 Resp: 446509
Ion Ratio Lower Upper
106 100
91 199.1 158.9 238.3

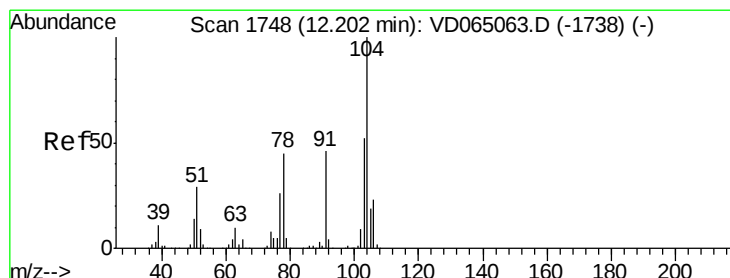
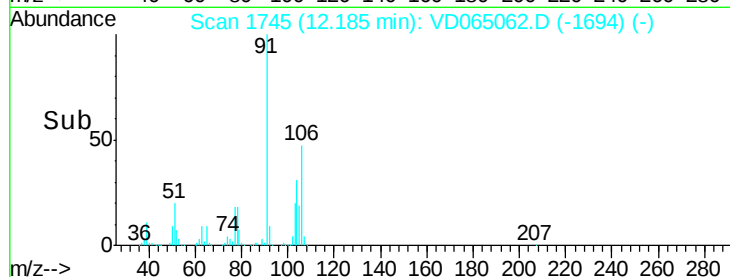
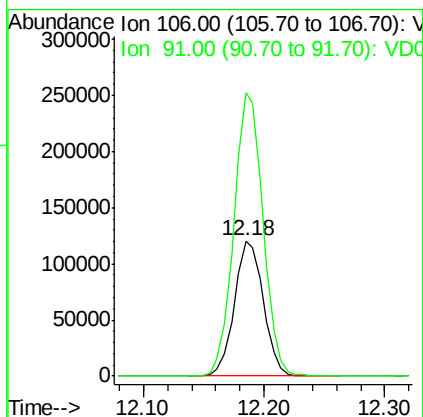
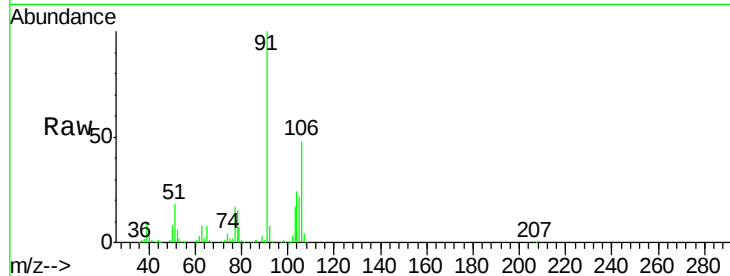




#69
o-Xylene
Concen: 20.00 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

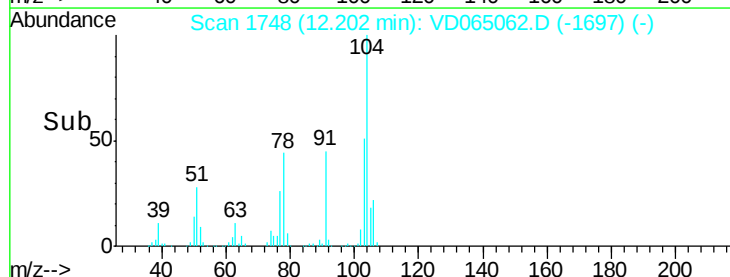
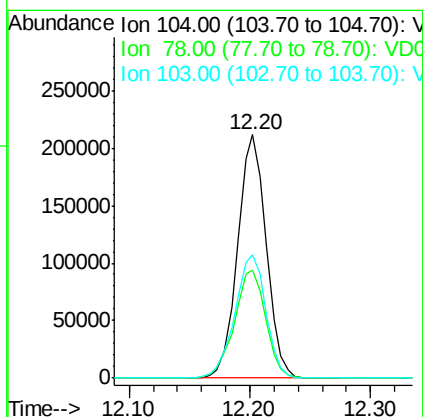
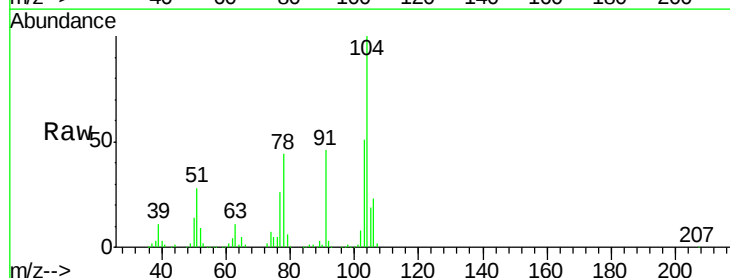
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

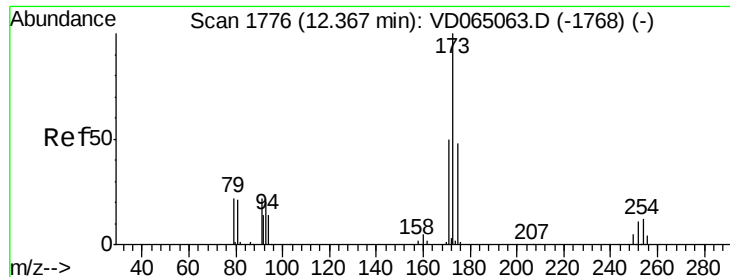
Tgt Ion:106 Resp: 201081
Ion Ratio Lower Upper
106 100
91 210.9 104.7 313.9



#70
Styrene
Concen: 19.63 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065062.D
Acq: 05 Feb 2020 12:59

Tgt Ion:104 Resp: 349211
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 55.1 43.8 65.8





#71

Bromoform

Concen: 19.03 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

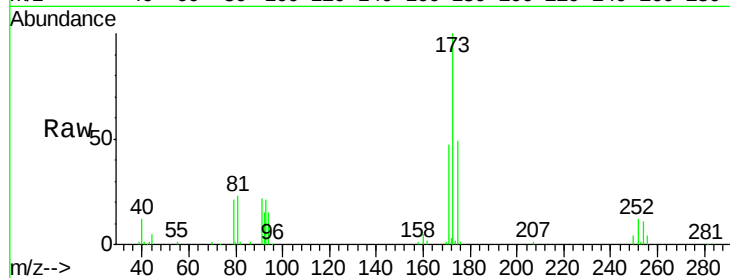
Tgt Ion:173 Resp: 64967

Ion Ratio Lower Upper

173 100

175 47.5 24.3 72.8

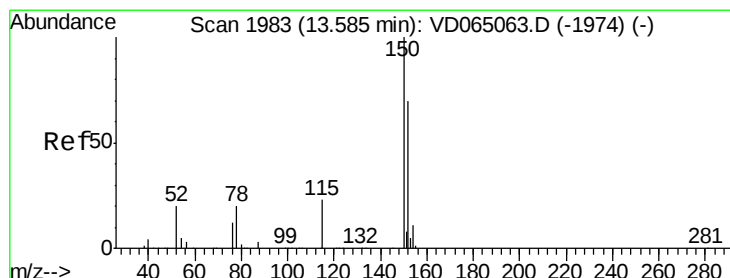
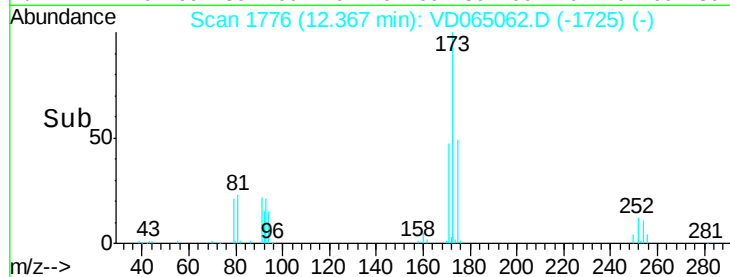
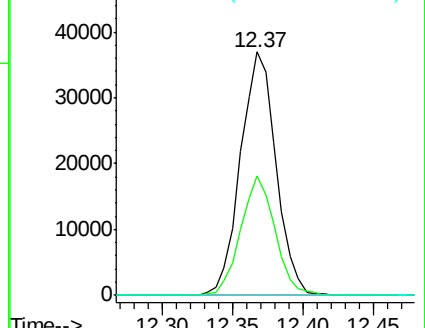
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

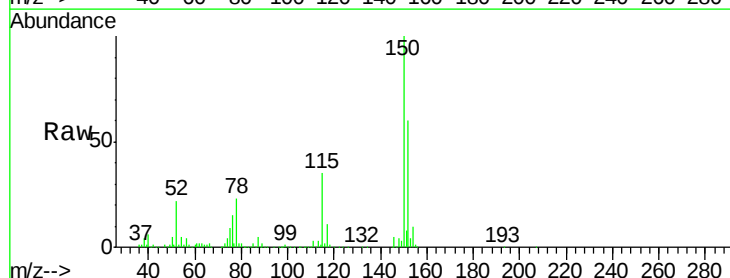
Tgt Ion:152 Resp: 382860

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.4

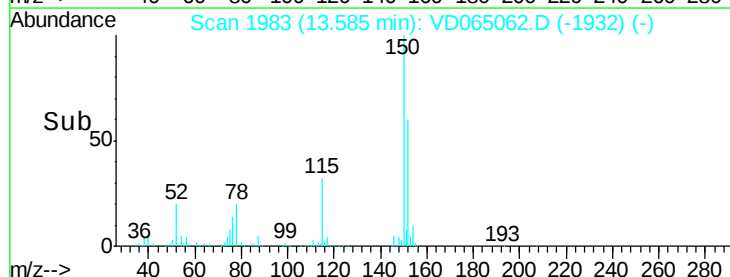
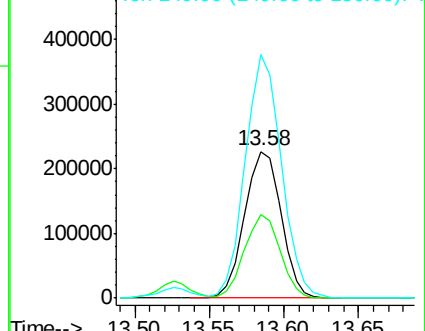
150 165.7 0.0 343.2

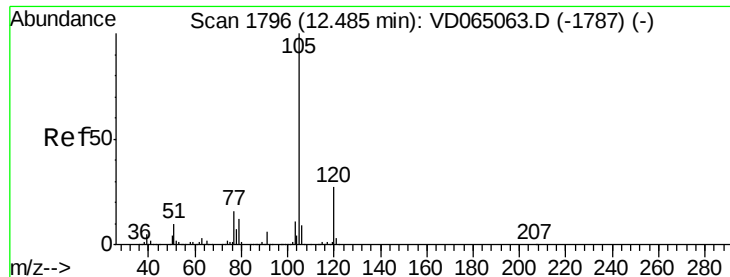


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.19 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

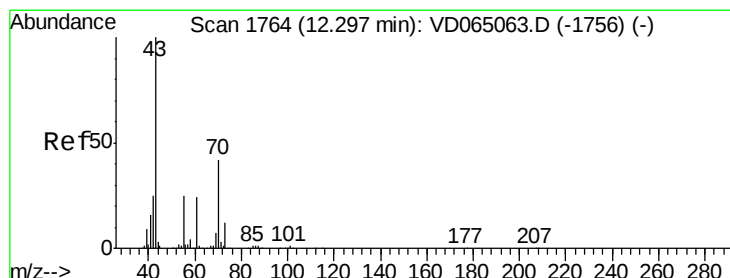
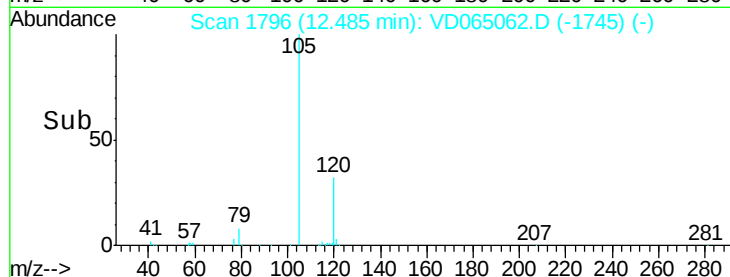
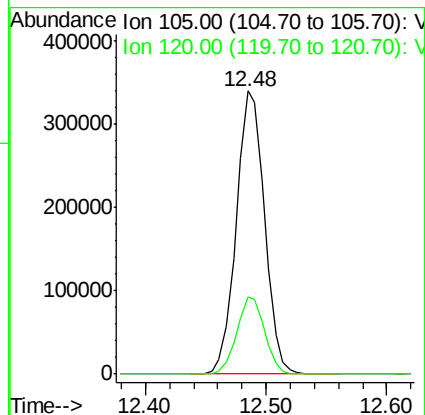
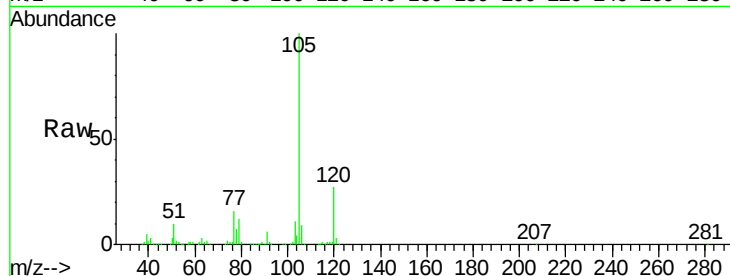
VSTDIC020

Tgt Ion: 105 Resp: 555758

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 20.54 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Tgt Ion: 43 Resp: 119837

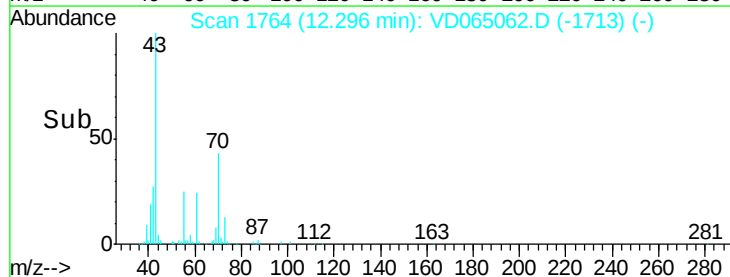
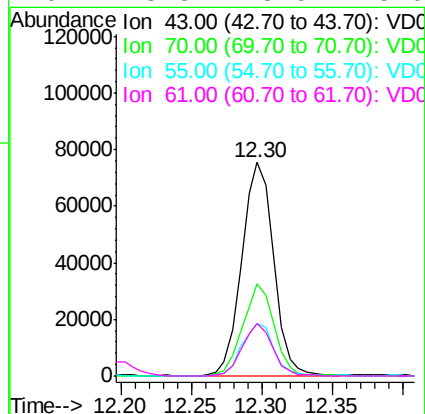
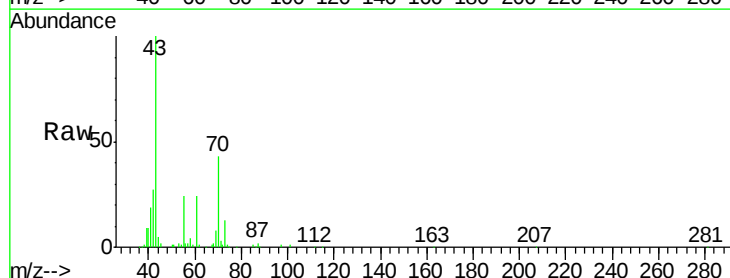
Ion Ratio Lower Upper

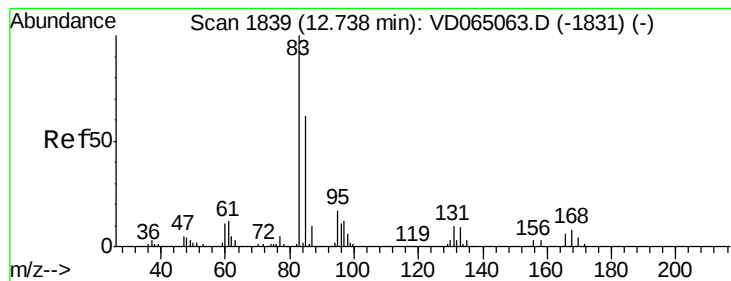
43 100

70 42.0 33.5 50.3

55 24.7 19.4 29.2

61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

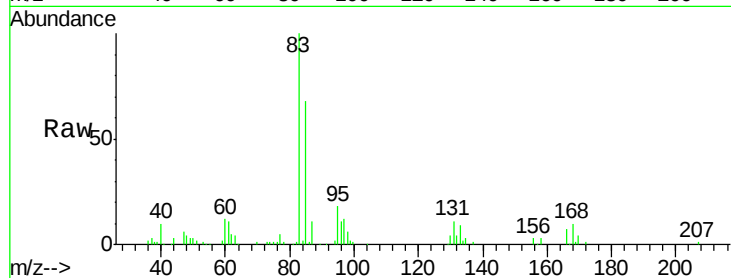
Tgt Ion: 83 Resp: 83977

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.4

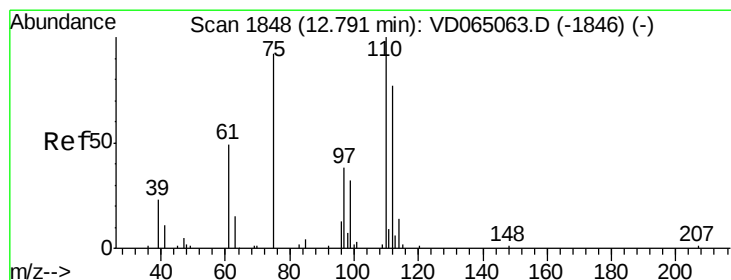
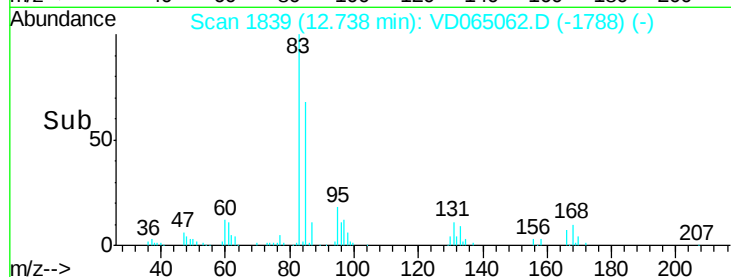
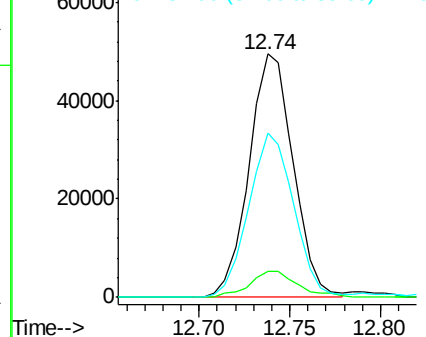
85 68.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.09 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065062.D

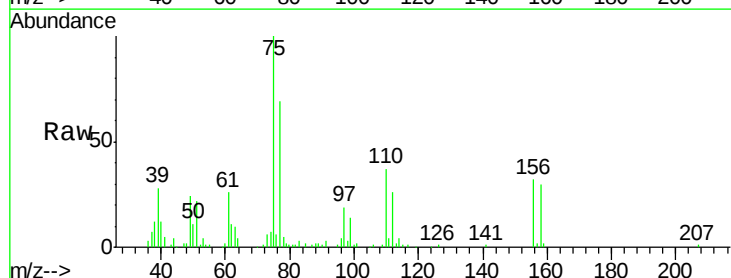
Acq: 05 Feb 2020 12:59

Tgt Ion: 75 Resp: 117924

Ion Ratio Lower Upper

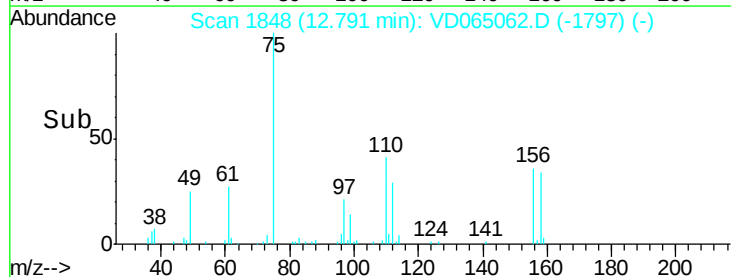
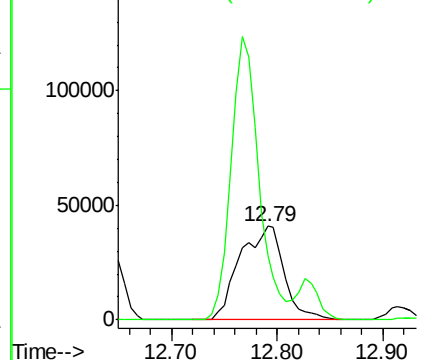
75 100

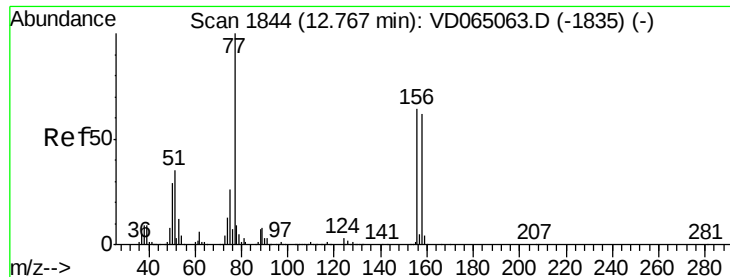
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

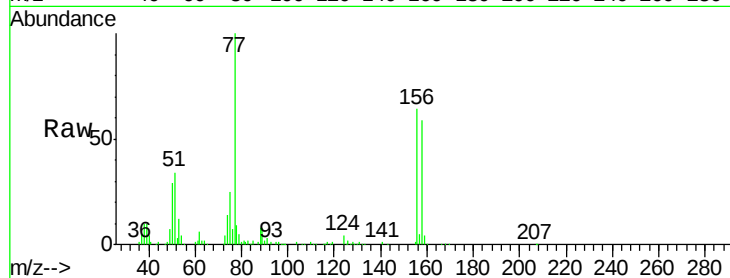
Tgt Ion:156 Resp: 133859

Ion Ratio Lower Upper

156 100

77 167.8 85.6 256.8

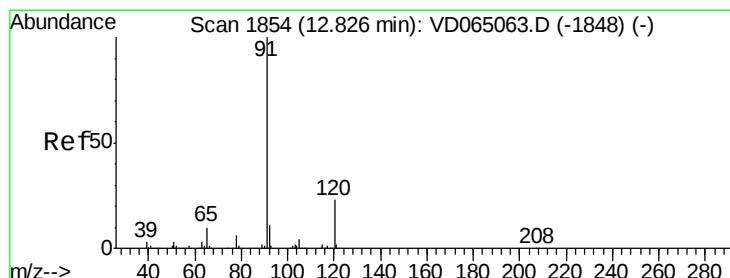
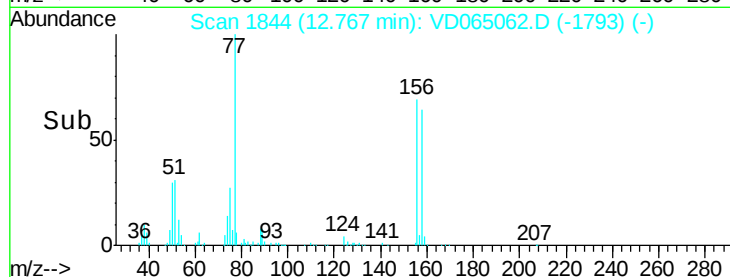
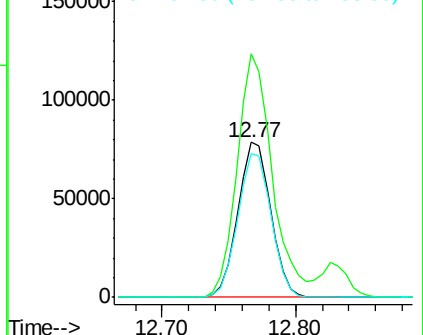
158 94.3 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.85 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065062.D

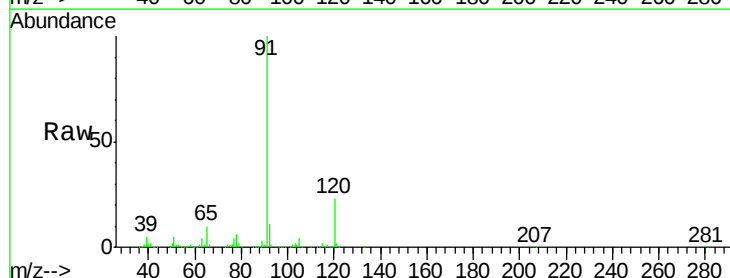
Acq: 05 Feb 2020 12:59

Tgt Ion: 91 Resp: 649581

Ion Ratio Lower Upper

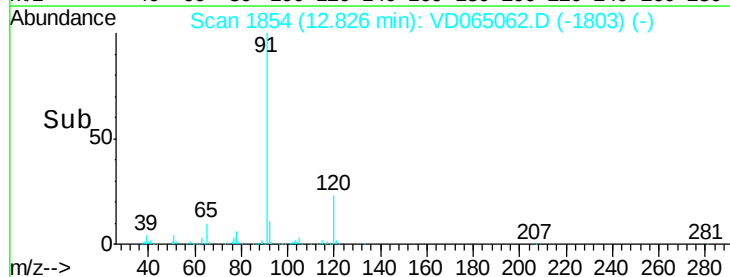
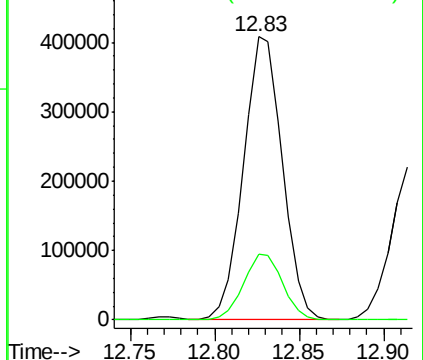
91 100

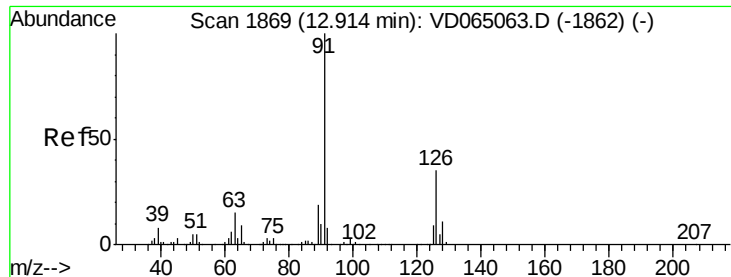
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.20 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

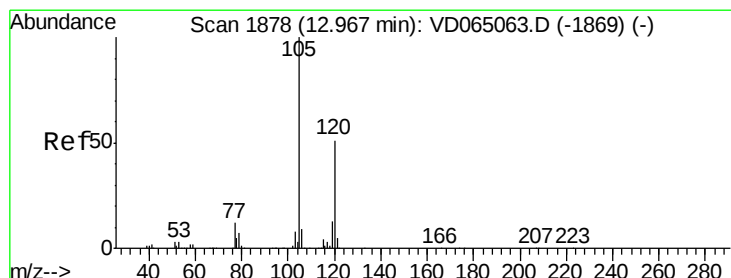
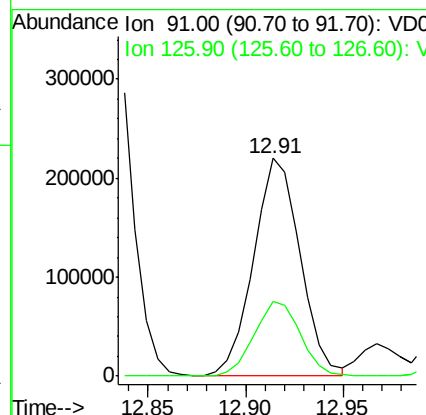
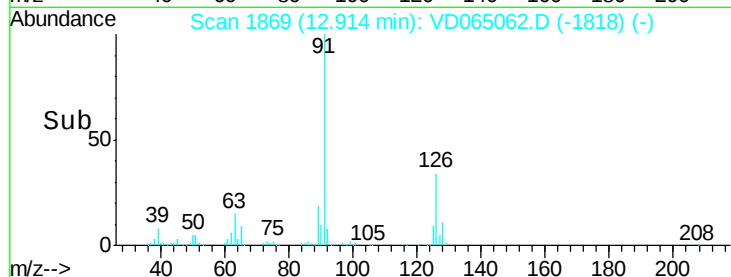
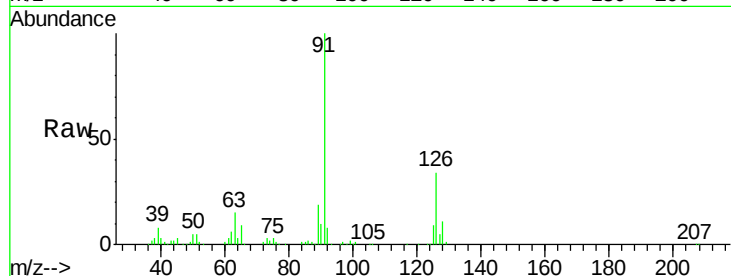
VSTDIC020

Tgt Ion: 91 Resp: 363119

Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.03 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065062.D

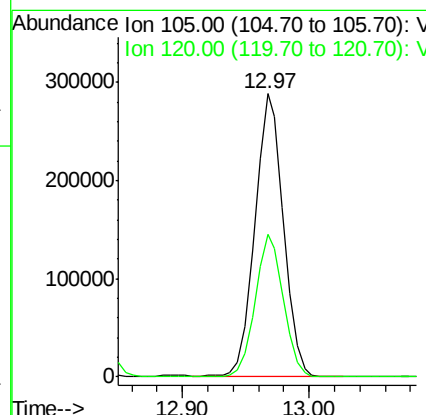
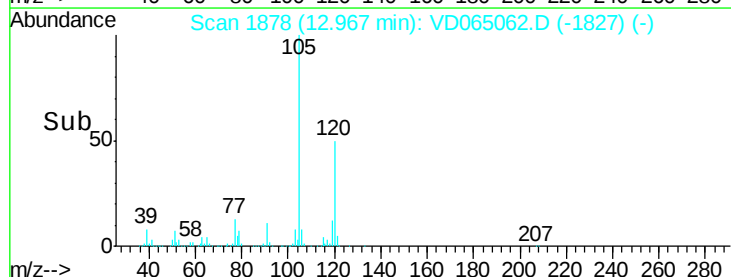
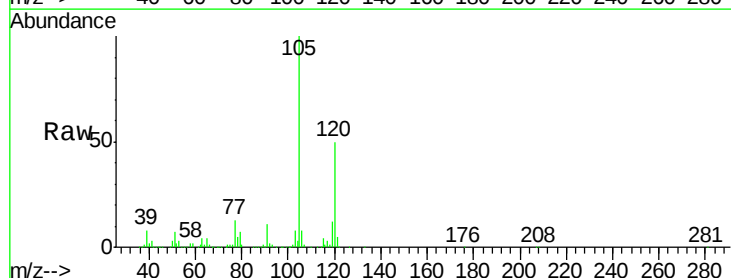
Acq: 05 Feb 2020 12:59

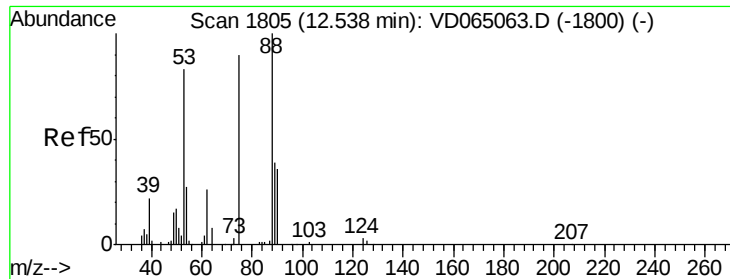
Tgt Ion: 105 Resp: 451742

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.61 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

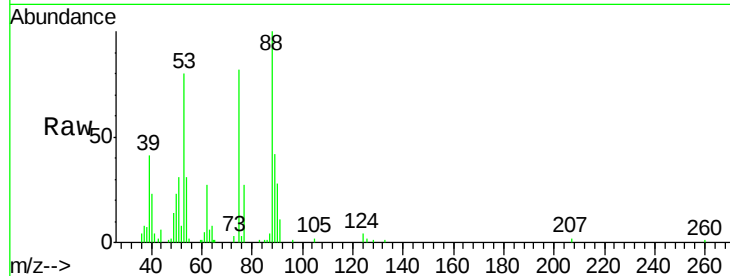
Tgt Ion: 75 Resp: 29117

Ion Ratio Lower Upper

75 100

53 100.7 78.5 117.7

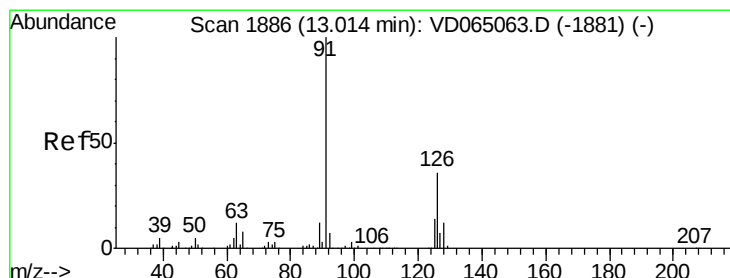
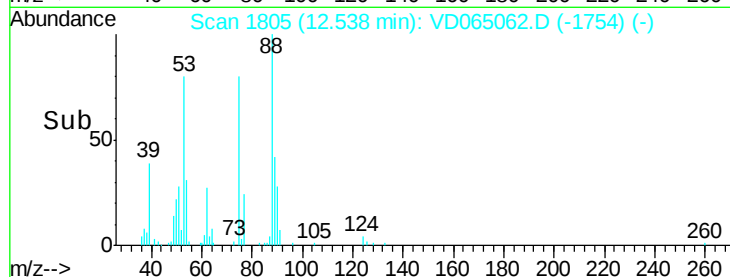
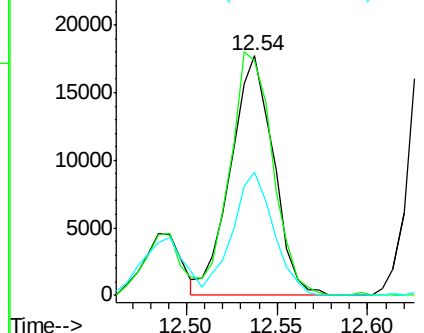
89 49.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.85 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065062.D

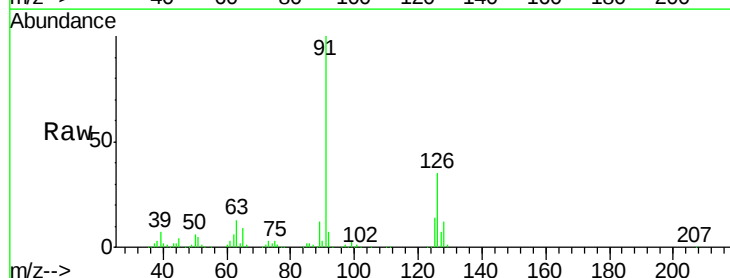
Acq: 05 Feb 2020 12:59

Tgt Ion: 91 Resp: 378330

Ion Ratio Lower Upper

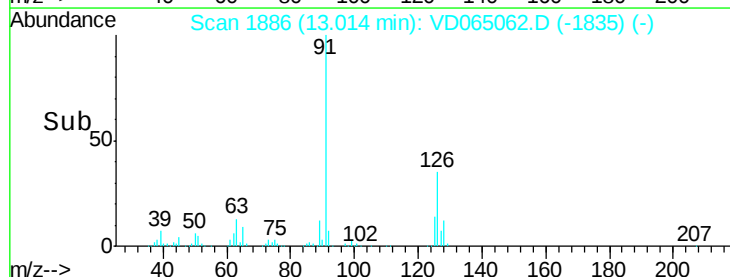
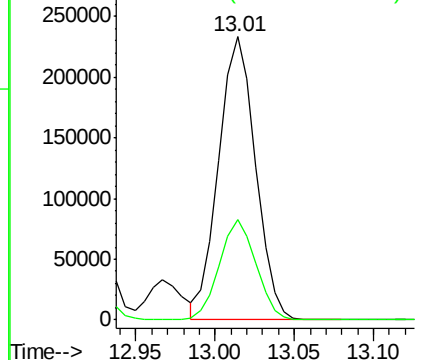
91 100

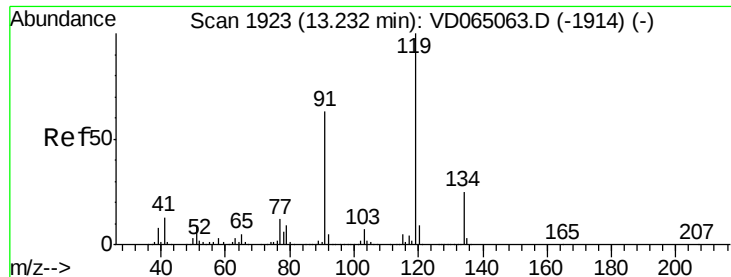
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

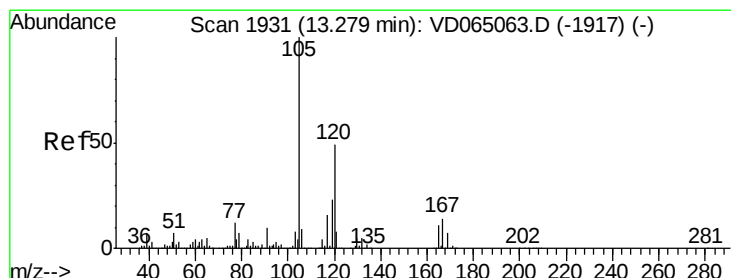
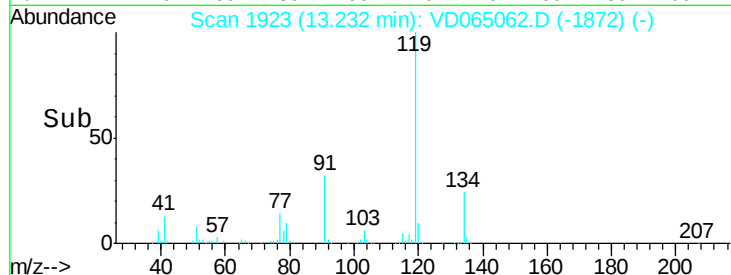
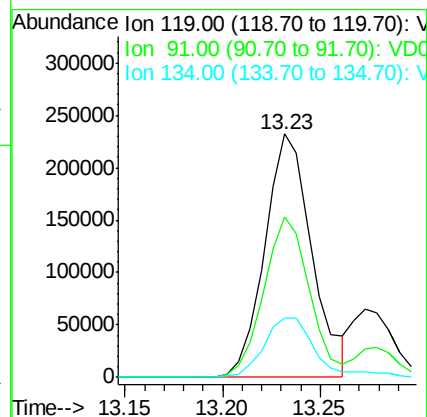
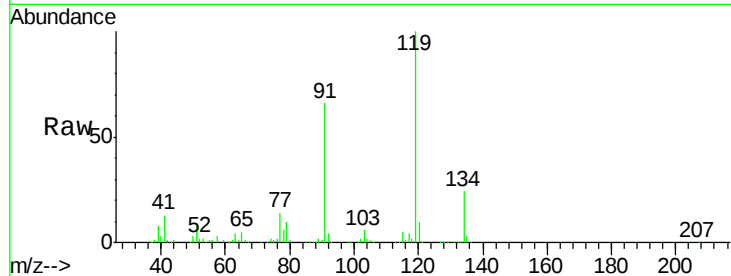




#83
 tert-Butylbenzene
 Concen: 21.32 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

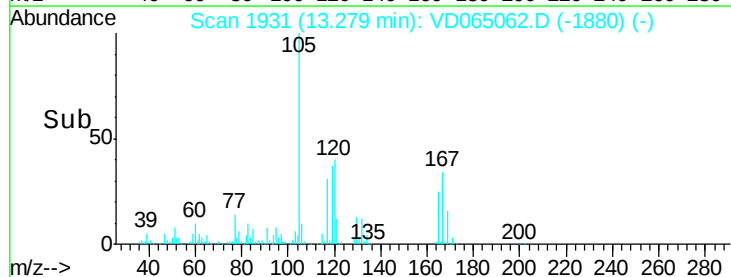
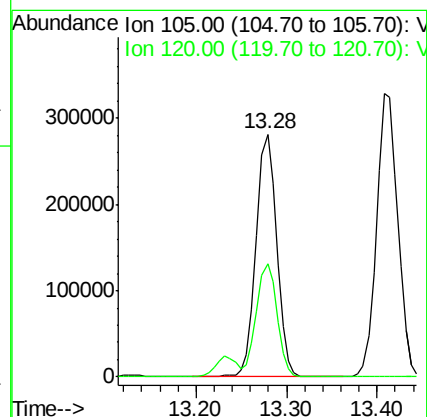
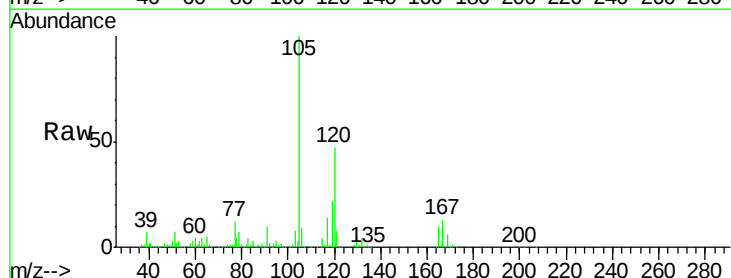
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

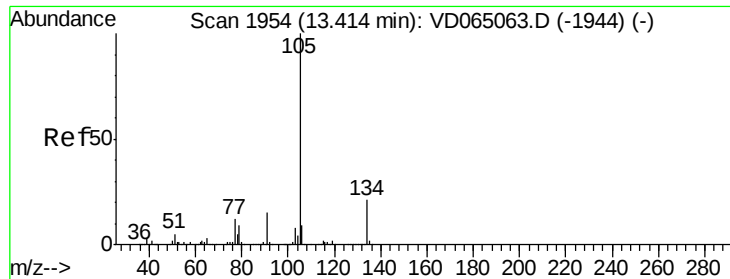
Tgt Ion:119 Resp: 388272
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.3 96.9
 134 27.0 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion:105 Resp: 445005
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.5 70.5

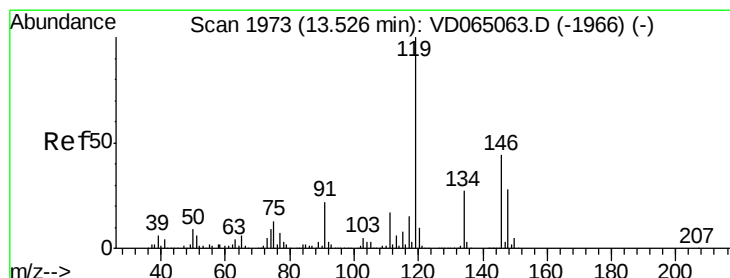
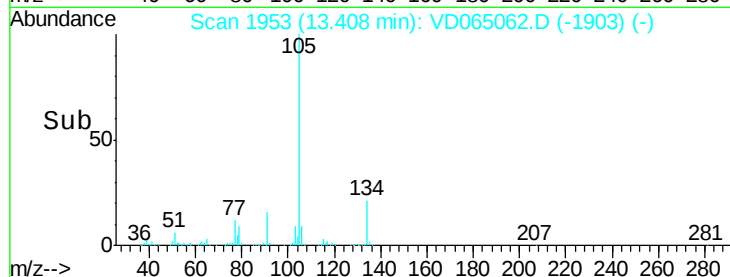
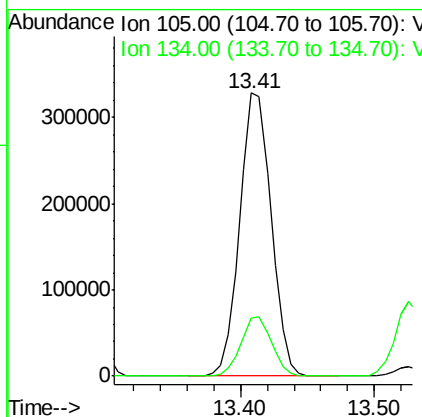
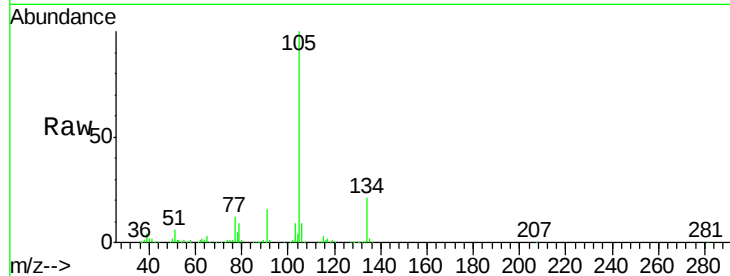




#85
 sec-Butylbenzene
 Concen: 20.65 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

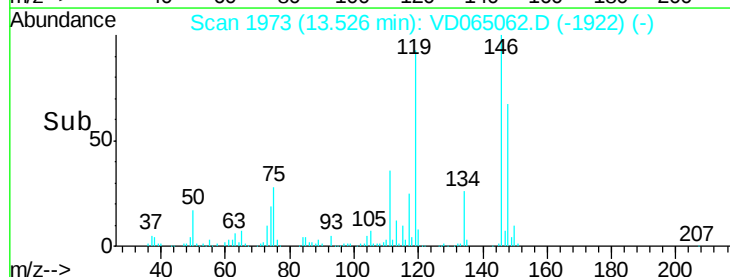
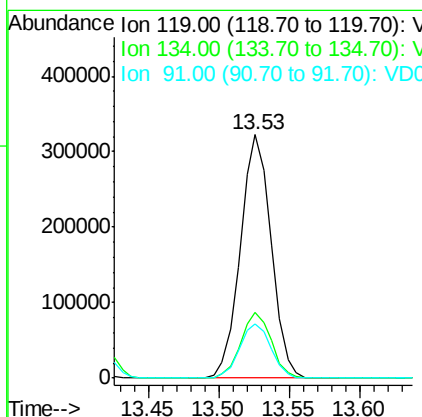
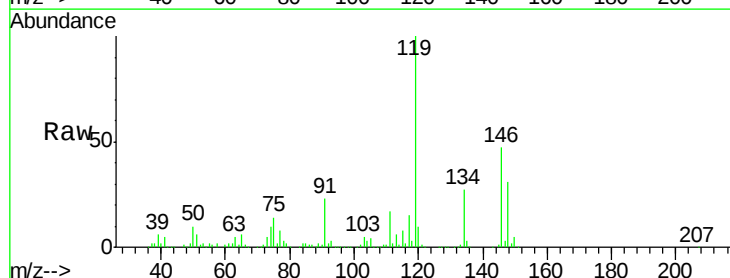
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

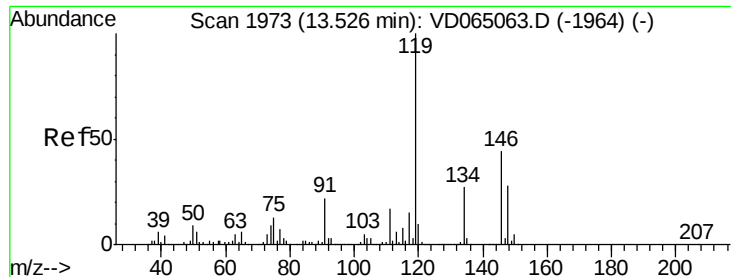
Tgt Ion:105 Resp: 534061
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 20.42 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion:119 Resp: 491865
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 22.7 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.87 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

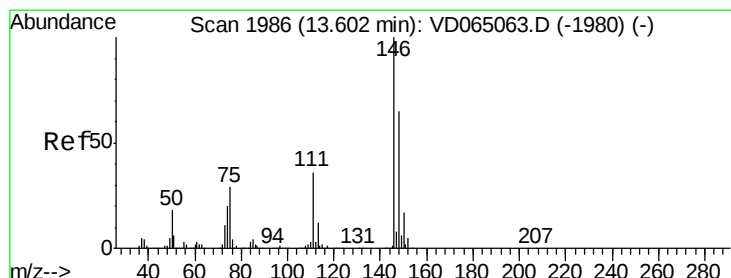
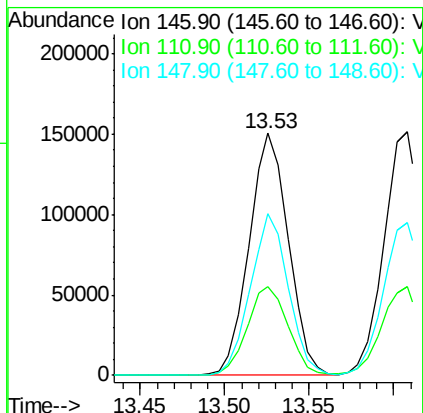
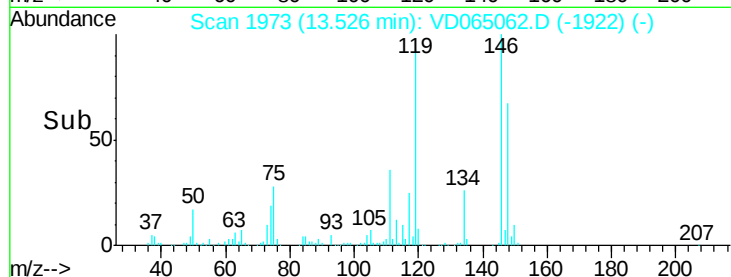
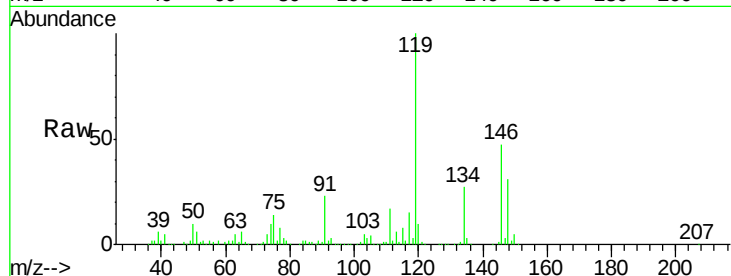
Tgt Ion:146 Resp: 243327

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

148 64.8 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 20.23 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

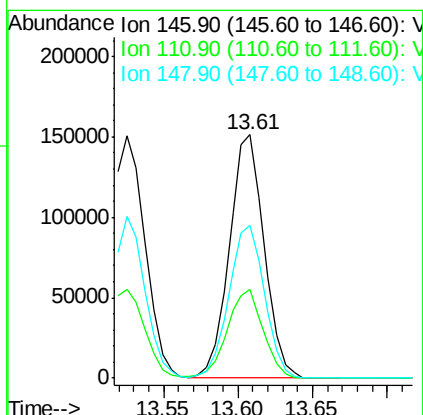
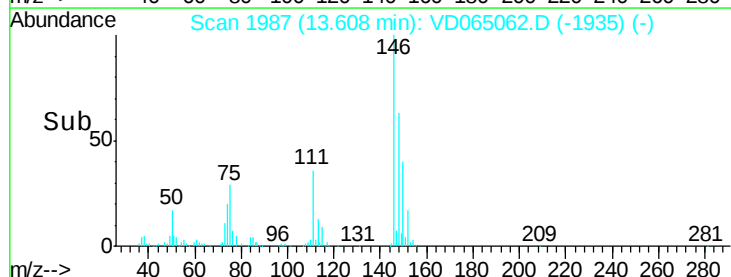
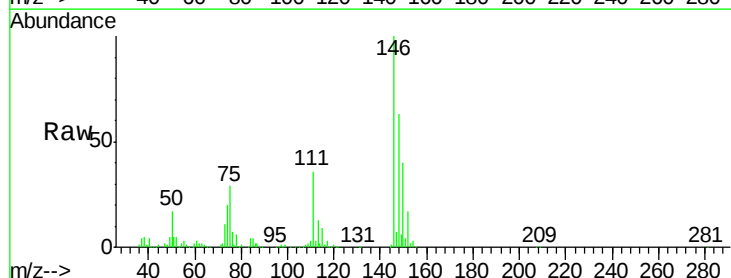
Tgt Ion:146 Resp: 245925

Ion Ratio Lower Upper

146 100

111 37.7 18.5 55.5

148 64.4 32.7 98.1





#89

n-Butylbenzene

Concen: 20.95 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

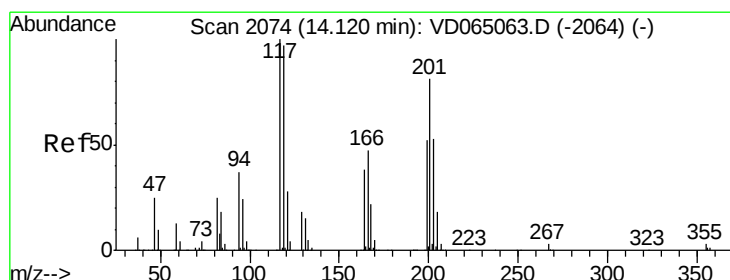
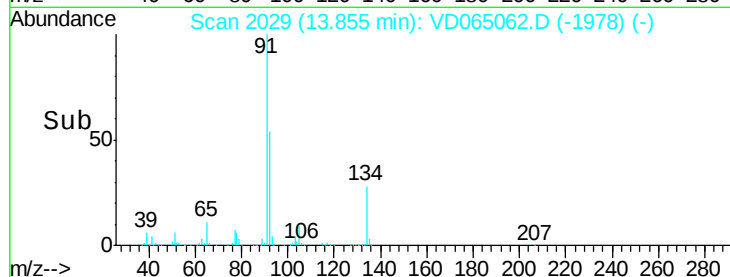
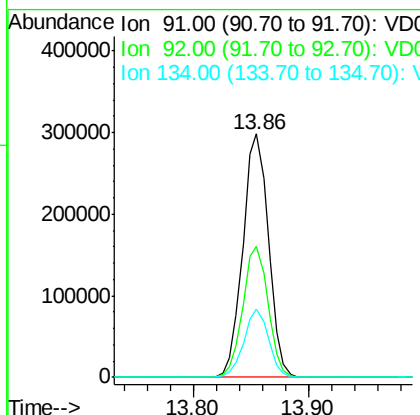
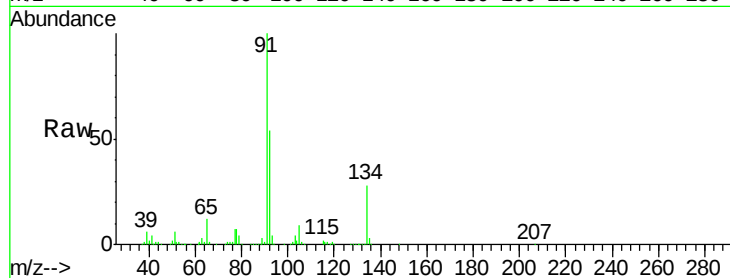
Tgt Ion: 91 Resp: 460596

Ion Ratio Lower Upper

91 100

92 53.0 26.7 80.1

134 26.9 13.4 40.2



#90

Hexachloroethane

Concen: 20.20 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065062.D

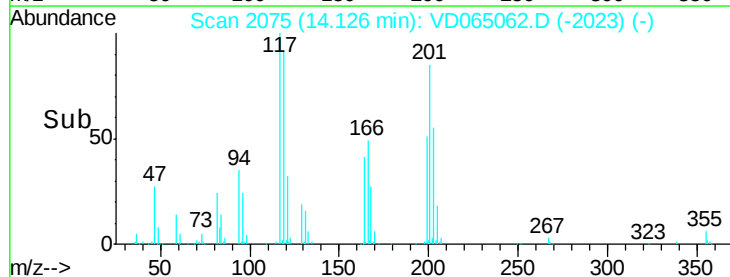
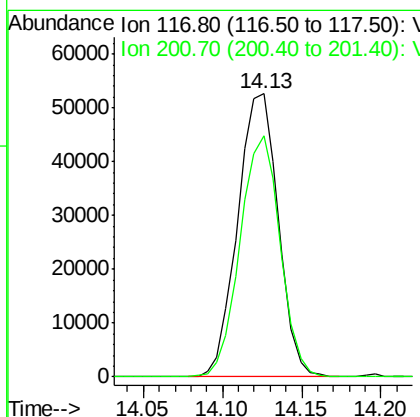
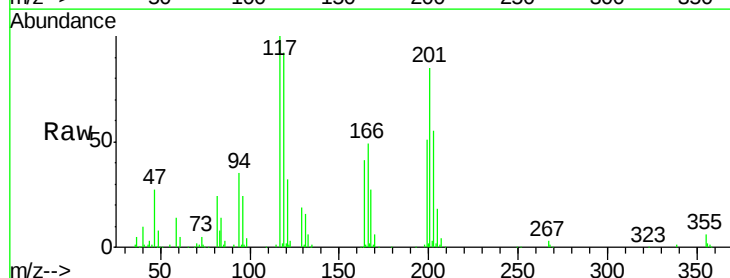
Acq: 05 Feb 2020 12:59

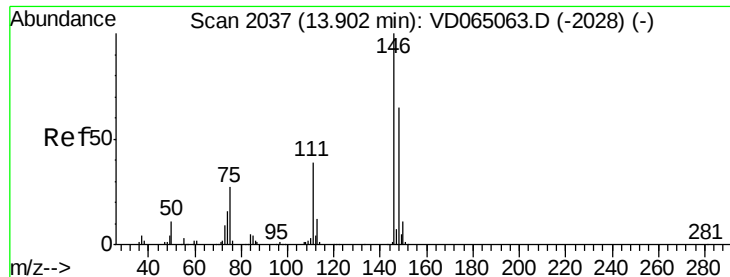
Tgt Ion: 117 Resp: 93601

Ion Ratio Lower Upper

117 100

201 84.0 42.5 127.6

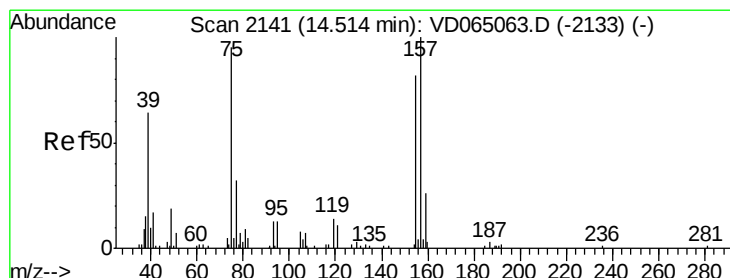
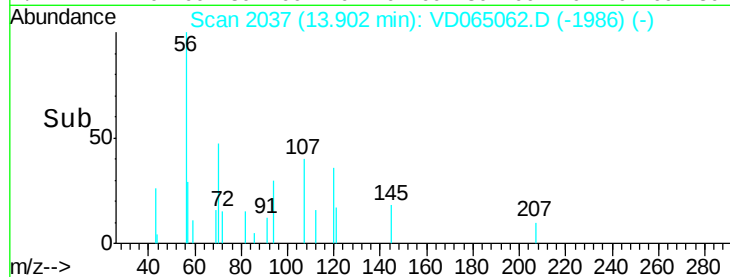
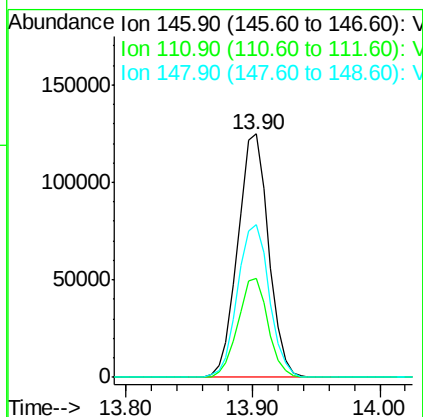
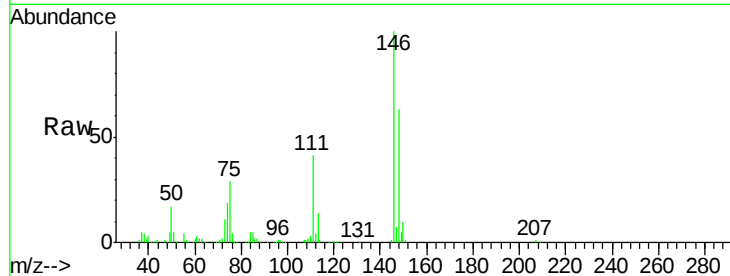




#91
 1,2-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

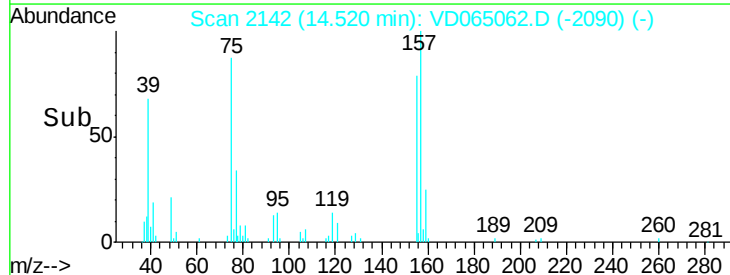
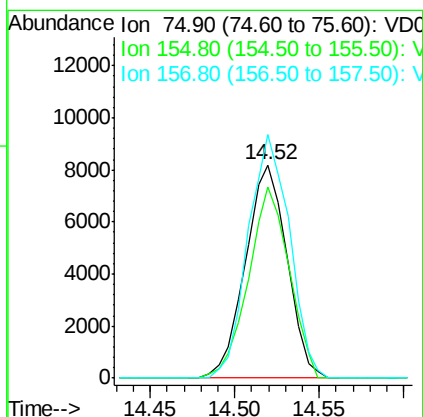
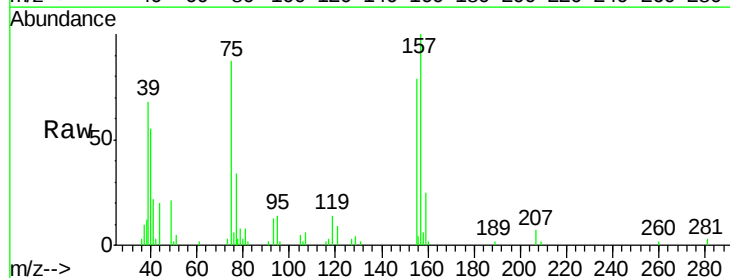
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

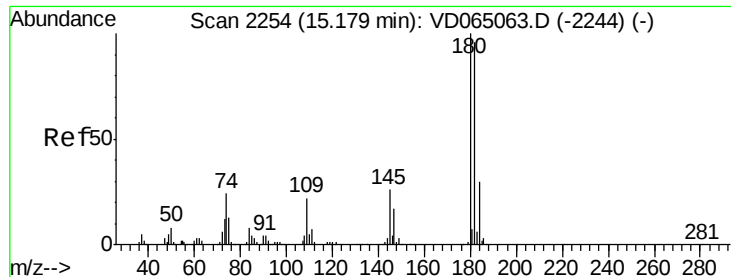
Tgt Ion:146 Resp: 209741
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.1
 148 64.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.88 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion: 75 Resp: 13967
 Ion Ratio Lower Upper
 75 100
 155 87.8 43.4 130.1
 157 113.7 55.8 167.3

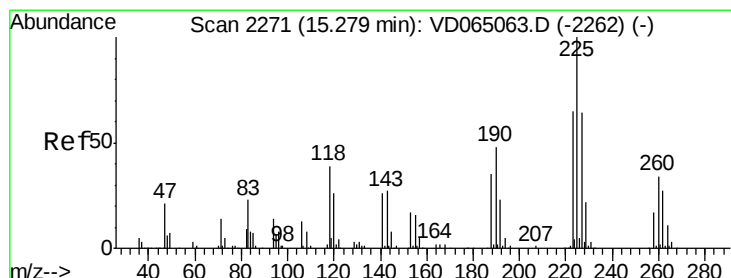
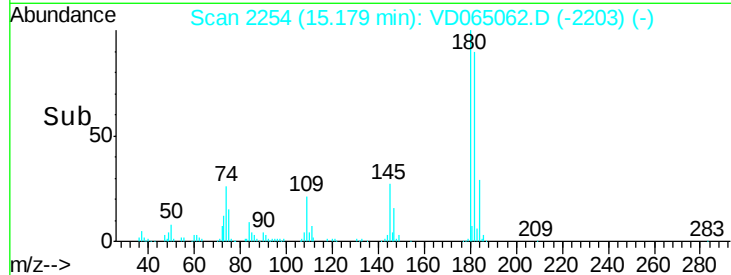
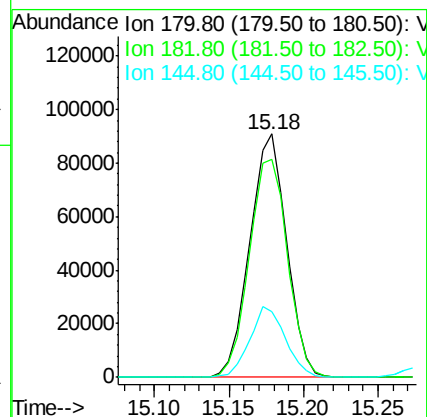
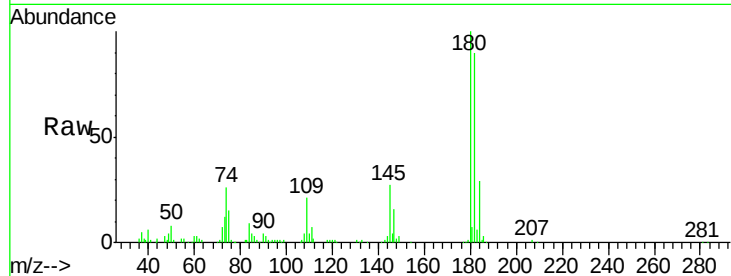




#93
 1,2,4-Trichlorobenzene
 Concen: 21.41 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

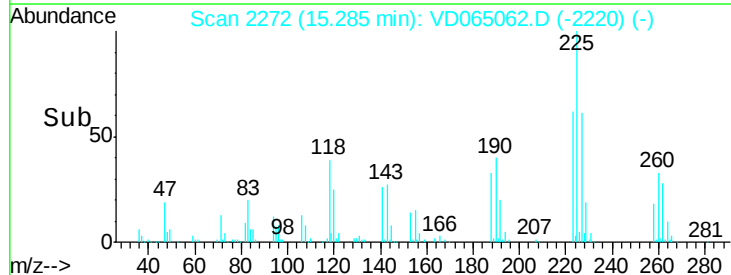
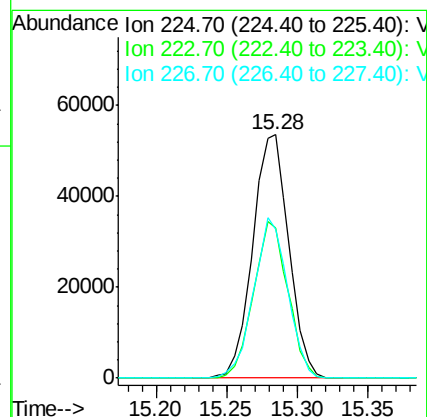
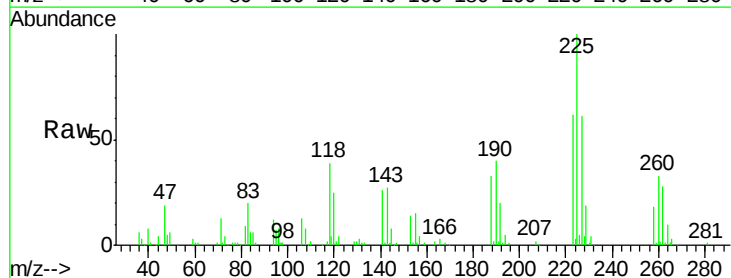
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

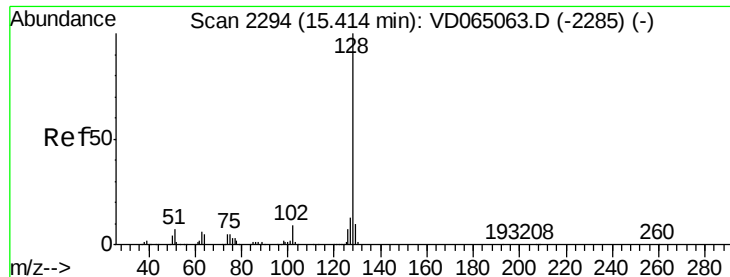
Tgt Ion:180 Resp: 154918
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.3
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 21.03 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065062.D
 Acq: 05 Feb 2020 12:59

Tgt Ion:225 Resp: 96240
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.4 94.0
 227 62.1 31.8 95.3





#95

Naphthalene

Concen: 21.55 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

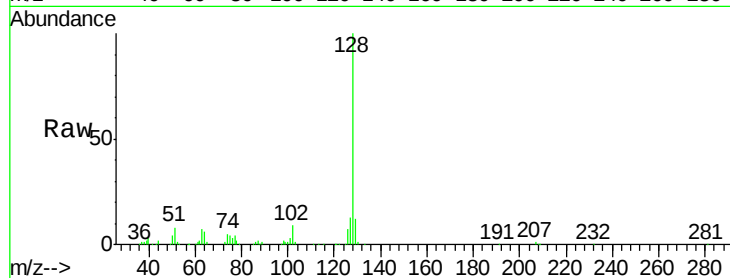
Tgt Ion:128 Resp: 250668

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

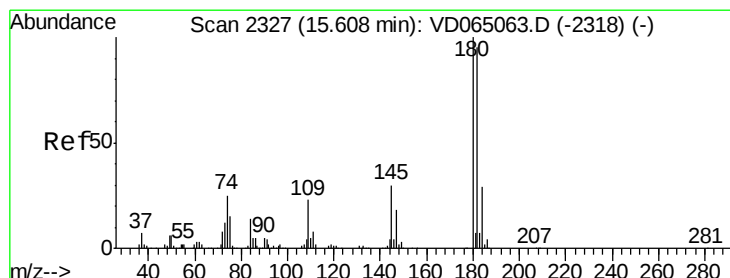
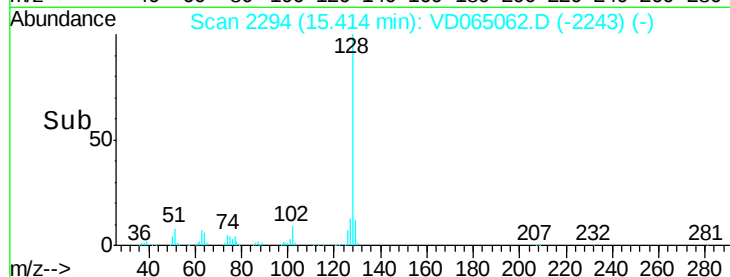
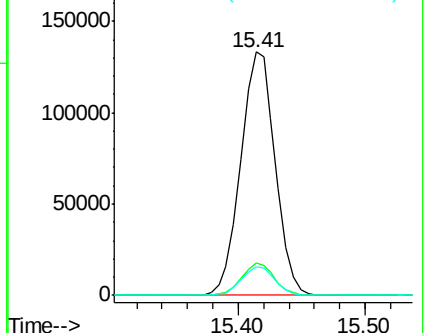
129 11.3 8.7 13.1



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: 21.04 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065062.D

Acq: 05 Feb 2020 12:59

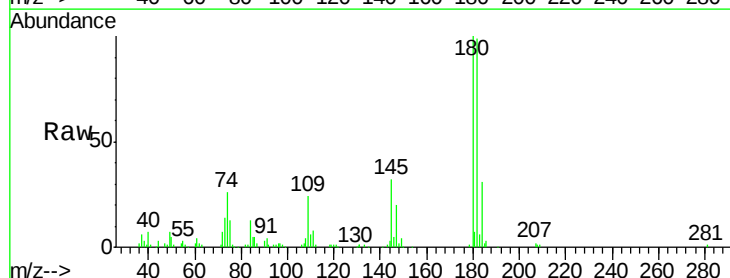
Tgt Ion:180 Resp: 130848

Ion Ratio Lower Upper

180 100

182 95.1 47.1 141.4

145 30.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

