

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065060.D
 Acq On : 05 Feb 2020 12:03
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 05 15:26:49 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	7.99	168	628390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	951017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401394	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	26004	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	
35) Dibromofluoromethane	7.92	113	24079	4.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.20%	
50) Toluene-d8	10.34	98	99622	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.64	95	31605	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	26235	5.42	ug/l	98
3) Chloromethane	2.21	50	32590	4.78	ug/l	94
4) Vinyl Chloride	2.35	62	33097	4.26	ug/l	96
5) Bromomethane	2.77	94	23962	4.61	ug/l	99
6) Chloroethane	2.92	64	19870	3.91	ug/l #	88
7) Trichlorofluoromethane	3.27	101	48404	4.07	ug/l	98
8) Diethyl Ether	3.71	74	14067	5.08	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	30579	5.30	ug/l	97
10) Methyl Iodide	4.29	142	27770	4.51	ug/l	100
11) Tert butyl alcohol	5.25	59	8508	26.29	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	28555	5.18	ug/l	84
13) Acrolein	3.93	56	11227	27.16	ug/l	98
14) Allyl chloride	4.71	41	45471	5.15	ug/l	99
15) Acrylonitrile	5.43	53	29670	24.75	ug/l	99
16) Acetone	4.17	43	36813	29.03	ug/l	93
17) Carbon Disulfide	4.40	76	89015	4.93	ug/l	99
18) Methyl Acetate	4.73	43	14448	5.16	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	60635	4.98	ug/l	93
20) Methylene Chloride	4.96	84	43096	6.16	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	31608	5.01	ug/l	87
22) Diisopropyl ether	6.37	45	83424	4.80	ug/l #	93
23) Vinyl Acetate	6.31	43	219716	21.79	ug/l	96
24) 1,1-Dichloroethane	6.27	63	52498	4.92	ug/l	97
25) 2-Butanone	7.23	43	40925	25.54	ug/l	99
26) 2,2-Dichloropropane	7.21	77	47744	4.90	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	32563	4.83	ug/l	98
28) Bromochloromethane	7.56	49	22157	5.37	ug/l	99
29) Tetrahydrofuran	7.57	42	23268	23.44	ug/l	99
30) Chloroform	7.71	83	52665	4.79	ug/l	95
31) Cyclohexane	7.99	56	60873	5.76	ug/l #	77
32) 1,1,1-Trichloroethane	7.91	97	48546	4.75	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42947	4.69	ug/l	98
37) Ethyl Acetate	7.30	43	18398	4.88	ug/l	99
38) Carbon Tetrachloride	8.10	117	44352	4.62	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
 Data File : VD065060.D
 Acq On : 05 Feb 2020 12:03
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 05 15:26:49 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)
39) Methylcyclohexane	9.36	83	52478	4.86	ug/l	97
40) Benzene	8.36	78	117729	4.67	ug/l	99
41) Methacrylonitrile	7.53	41	8517	4.29	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	34318	4.61	ug/l	100
43) Isopropyl Acetate	8.46	43	33337	4.66	ug/l	98
44) Trichloroethene	9.12	130	35719	5.03	ug/l	87
45) 1,2-Dichloropropane	9.39	63	28064	4.58	ug/l	99
46) Dibromomethane	9.48	93	15499	4.67	ug/l	97
47) Bromodichloromethane	9.67	83	38982	4.52	ug/l	94
48) Methyl methacrylate	9.46	41	15192	4.61	ug/l	97
49) 1,4-Dioxane	9.47	88	3575	93.81	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	80086	22.51	ug/l	98
52) Toluene	10.41	92	73185	4.50	ug/l	92
53) t-1,3-Dichloropropene	10.63	75	36919	4.49	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	45376	4.69	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	20576	4.61	ug/l	95
56) Ethyl methacrylate	10.66	69	24451	4.57	ug/l	97
57) 1,3-Dichloropropane	10.95	76	36345	4.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	58650	31.45	ug/l	97
59) 2-Hexanone	10.99	43	54418	22.10	ug/l	97
60) Dibromochloromethane	11.15	129	25105	4.22	ug/l	93
61) 1,2-Dibromoethane	11.25	107	20114	4.67	ug/l	99
64) Tetrachloroethene	10.88	164	28663	4.73	ug/l	98
65) Chlorobenzene	11.68	112	77419	4.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	28073	4.41	ug/l	96
67) Ethyl Benzene	11.75	91	140336	4.66	ug/l	98
68) m/p-Xylenes	11.86	106	106605	9.20	ug/l	98
69) o-Xylene	12.19	106	46277	4.49	ug/l	100
70) Styrene	12.20	104	79388	4.35	ug/l	99
71) Bromoform	12.37	173	15807	4.52	ug/l #	100
73) Isopropylbenzene	12.48	105	128631	4.68	ug/l	99
74) N-amyl acetate	12.30	43	26700	4.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	21799	4.77	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	28506	8.78	ug/l #	100
77) Bromobenzene	12.77	156	32115	4.79	ug/l	97
78) n-propylbenzene	12.83	91	152404	4.67	ug/l	100
79) 2-Chlorotoluene	12.91	91	86009	4.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	106400	4.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7374	4.74	ug/l	96
82) 4-Chlorotoluene	13.01	91	89712	4.72	ug/l	98
83) tert-Butylbenzene	13.23	119	90934	4.76	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	106574	4.69	ug/l	100
85) sec-Butylbenzene	13.41	105	123455	4.55	ug/l	99
86) p-Isopropyltoluene	13.53	119	114505	4.53	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	60328	4.70	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	62841	4.93	ug/l	96
89) n-Butylbenzene	13.86	91	106153	4.61	ug/l	99
90) Hexachloroethane	14.13	117	23038	4.74	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	53403	4.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	3767	5.11	ug/l	93

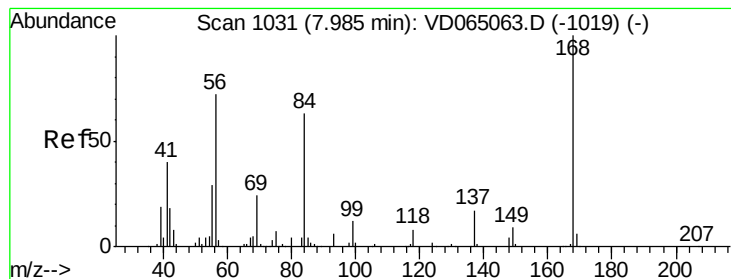
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020520\
Data File : VD065060.D
Acq On : 05 Feb 2020 12:03
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Feb 05 15:26:49 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.18	180	37787	4.98	ug/l	98
94) Hexachlorobutadiene	15.28	225	23377	4.87	ug/l	99
95) Naphthalene	15.41	128	61435	5.04	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	32451	4.98	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

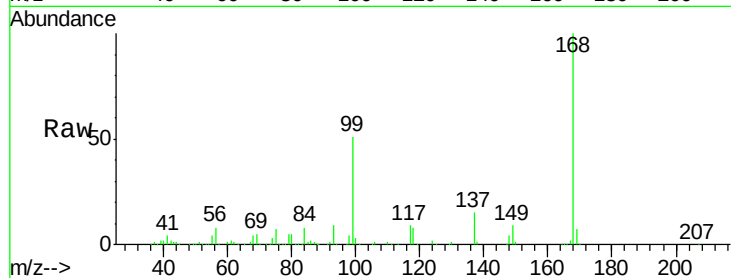
VSTDIC005

Tgt Ion: 168 Resp: 628390

Ion Ratio Lower Upper

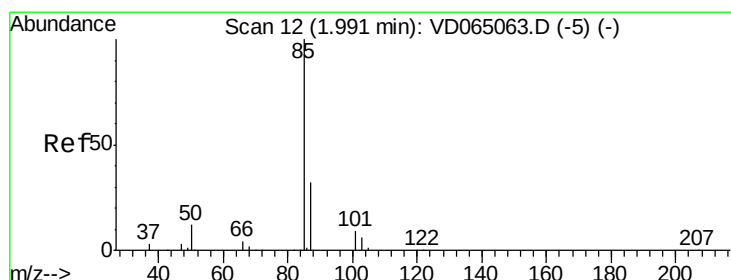
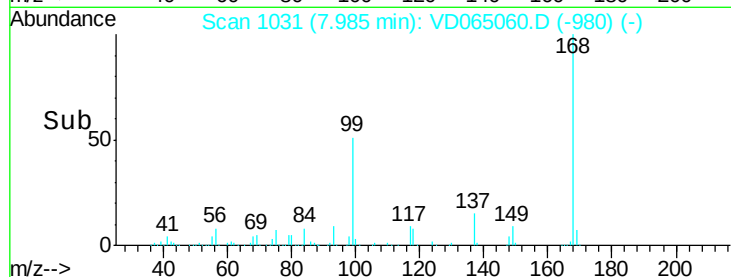
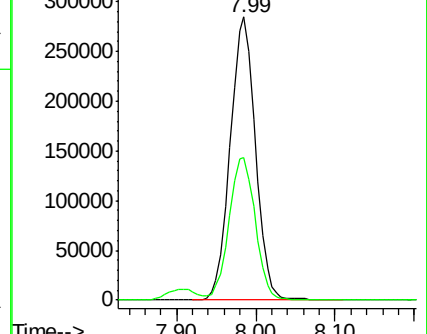
168 100

99 50.4 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: 5.42 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065060.D

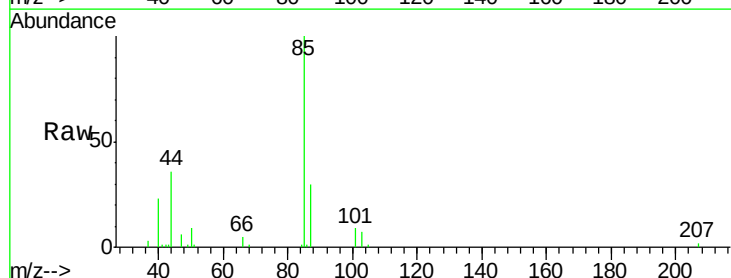
Acq: 05 Feb 2020 12:03

Tgt Ion: 85 Resp: 26235

Ion Ratio Lower Upper

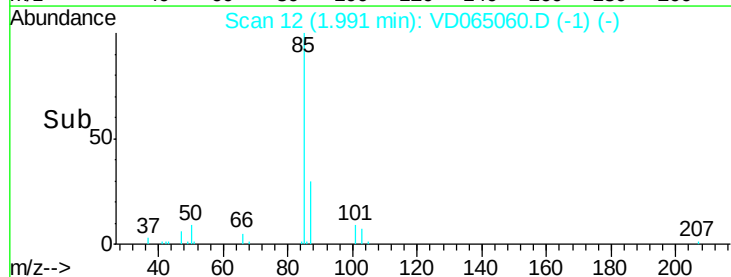
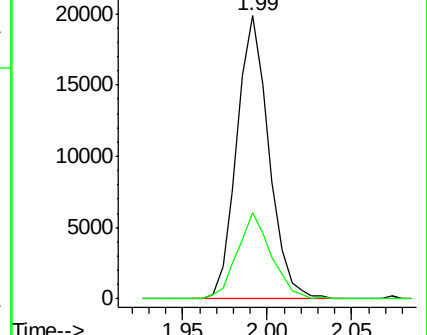
85 100

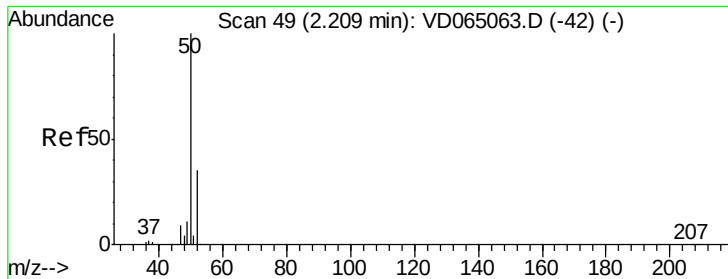
87 30.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.78 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

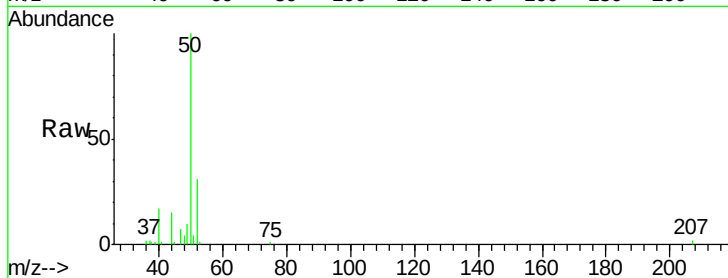
VSTDIC005

Tgt Ion: 50 Resp: 32590

Ion Ratio Lower Upper

50 100

52 31.0 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

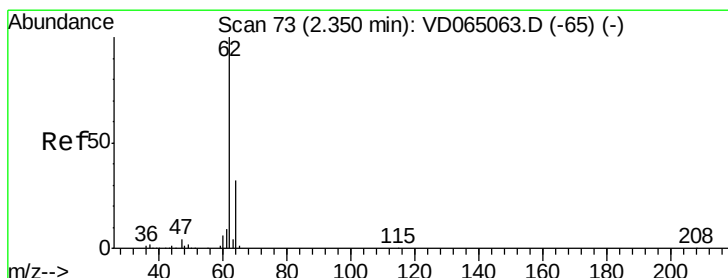
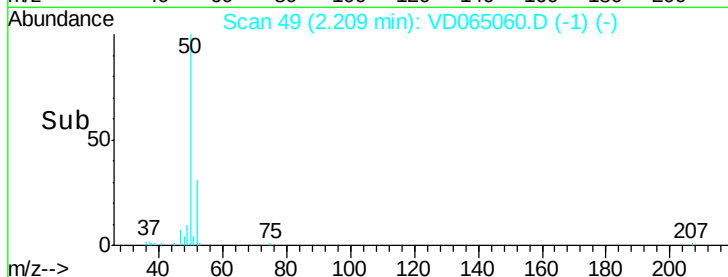
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 4.26 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065060.D

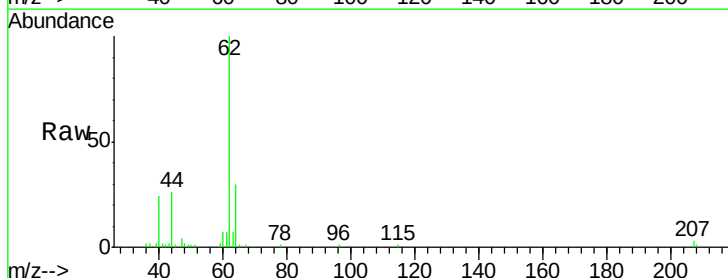
Acq: 05 Feb 2020 12:03

Tgt Ion: 62 Resp: 33097

Ion Ratio Lower Upper

62 100

64 29.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

25000

20000

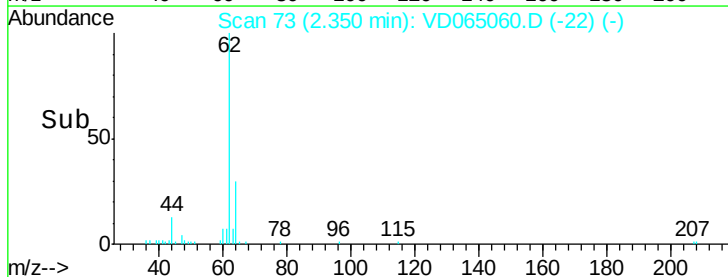
15000

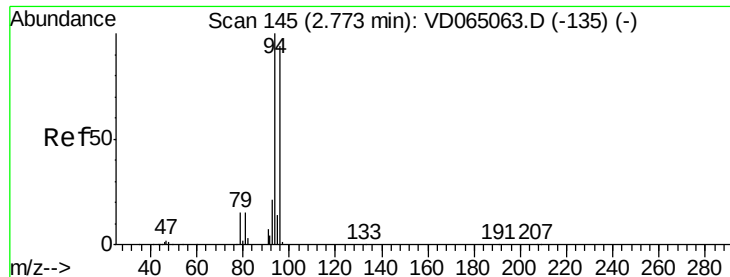
10000

5000

0

Time-->





#5

Bromomethane

Concen: 4.61 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

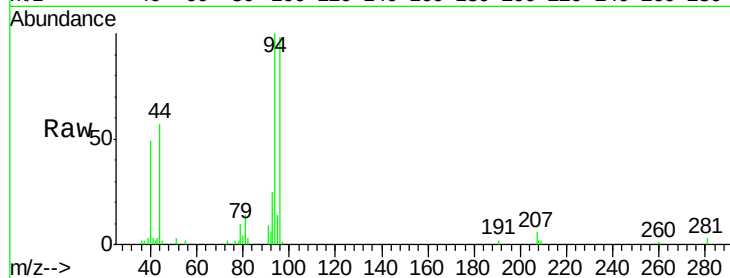
VSTDIC005

Tgt Ion: 94 Resp: 23962

Ion Ratio Lower Upper

94 100

96 94.8 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

12000

10000

8000

6000

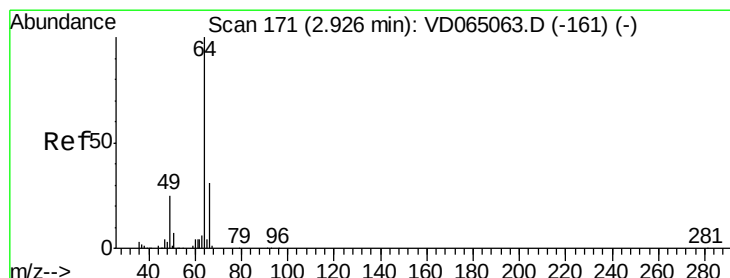
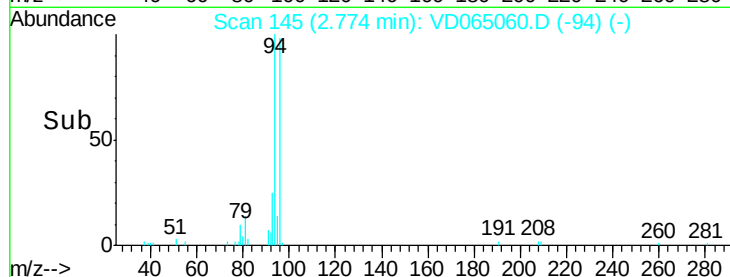
4000

2000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 3.91 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065060.D

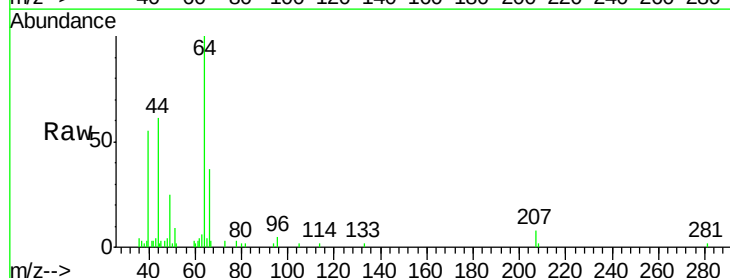
Acq: 05 Feb 2020 12:03

Tgt Ion: 64 Resp: 19870

Ion Ratio Lower Upper

64 100

66 37.4 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

10000

8000

6000

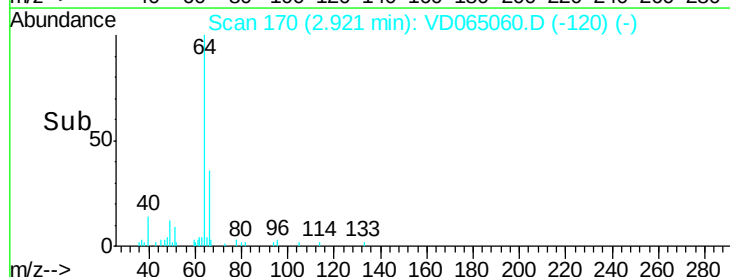
4000

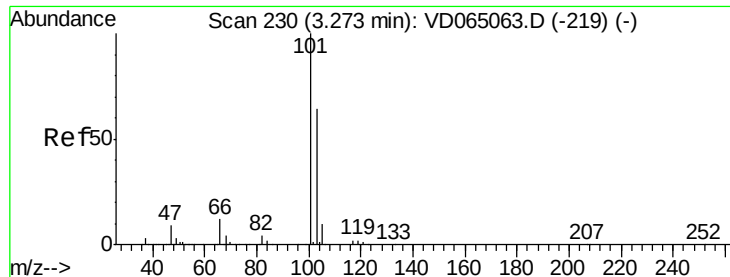
2000

0

Time-->

2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 4.07 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

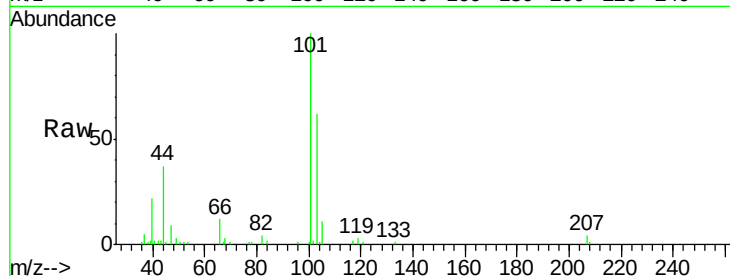
VSTDIC005

Tgt Ion: 101 Resp: 48404

Ion Ratio Lower Upper

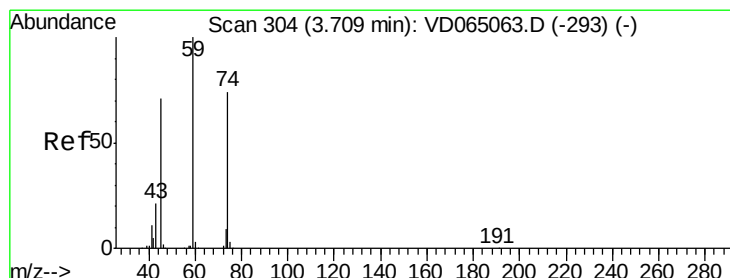
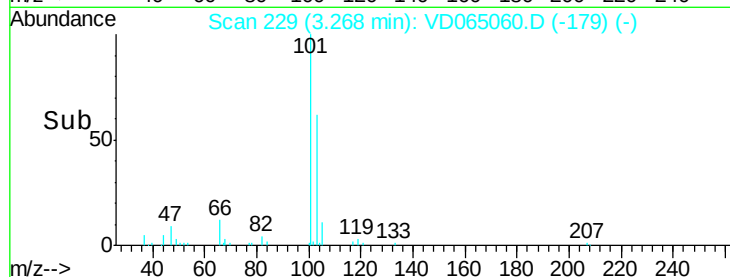
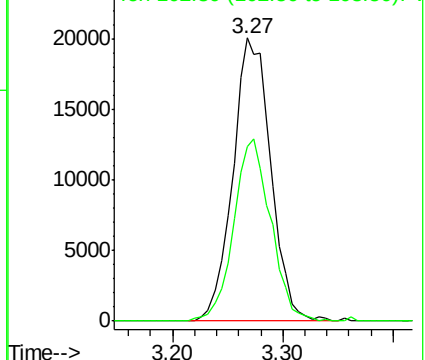
101 100

103 61.9 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.08 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065060.D

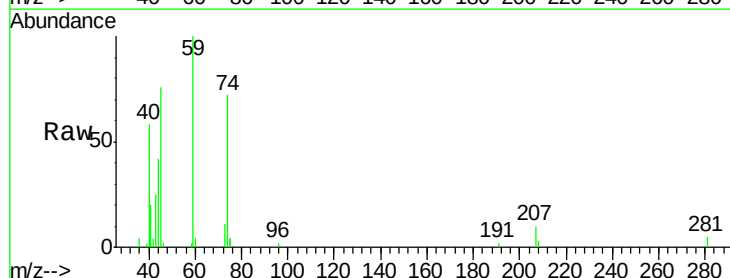
Acq: 05 Feb 2020 12:03

Tgt Ion: 74 Resp: 14067

Ion Ratio Lower Upper

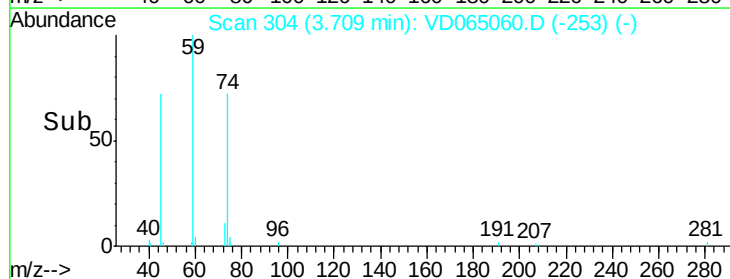
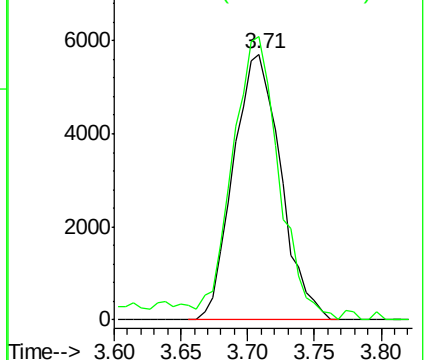
74 100

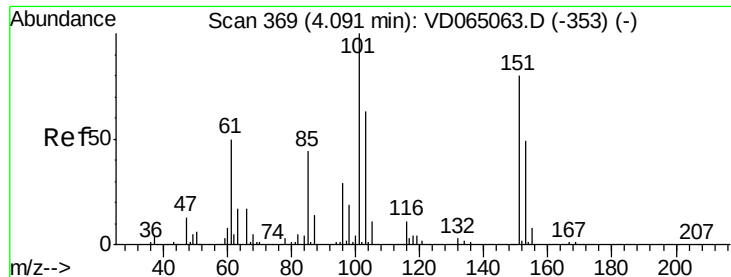
45 104.6 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.30 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

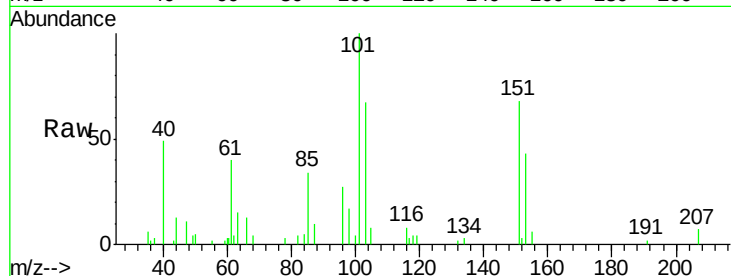
Tgt Ion:101 Resp: 30579

Ion Ratio Lower Upper

101 100

85 40.4 34.0 51.0

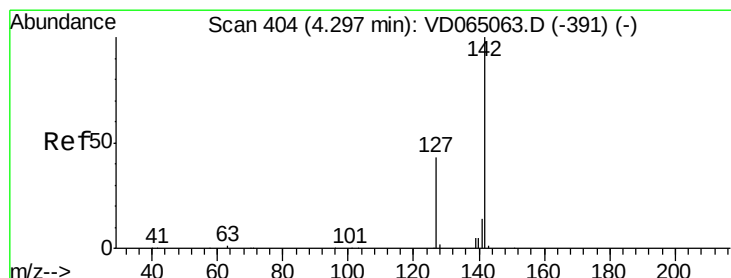
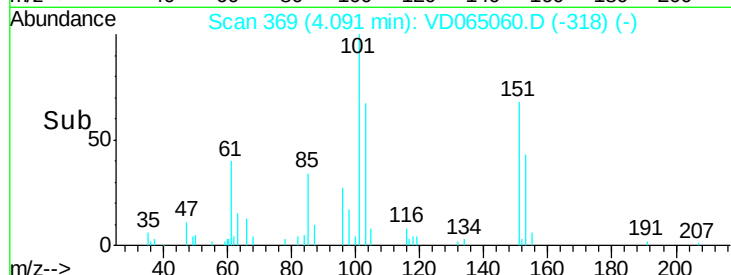
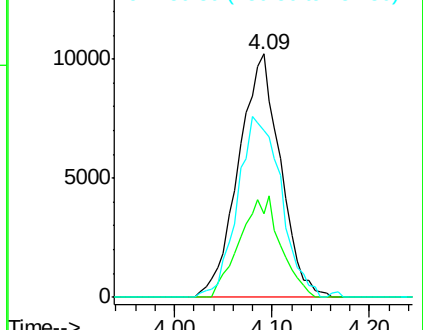
151 77.7 64.0 96.0



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: 4.51 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

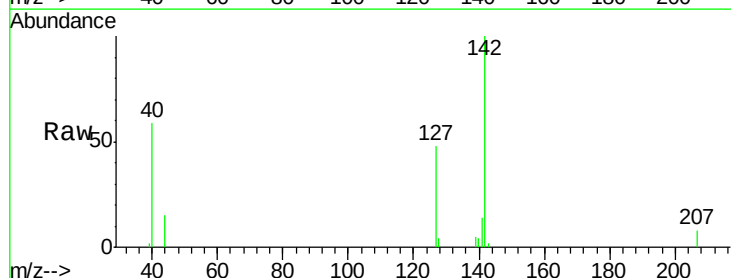
Tgt Ion:142 Resp: 27770

Ion Ratio Lower Upper

142 100

127 42.6 34.0 51.0

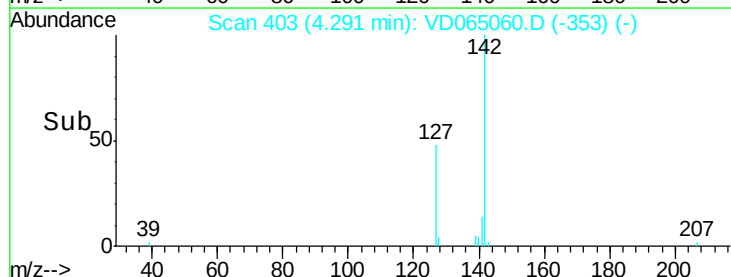
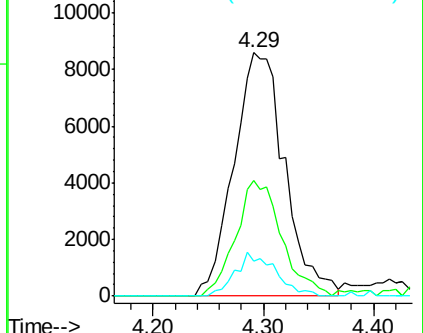
141 14.1 11.6 17.4

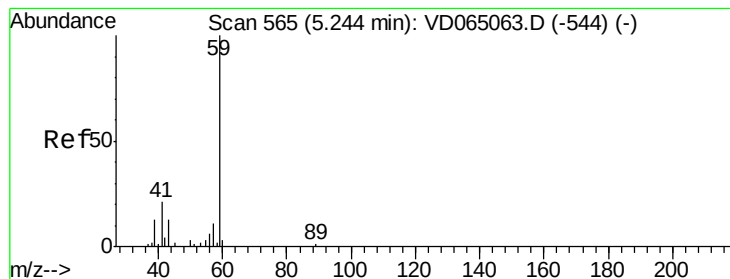


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 26.29 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

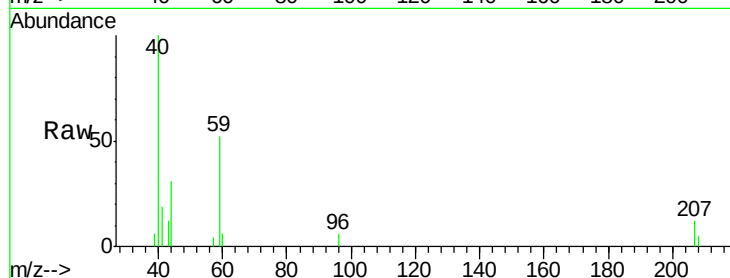
VSTDIC005

Tgt Ion: 59 Resp: 8508

Ion Ratio Lower Upper

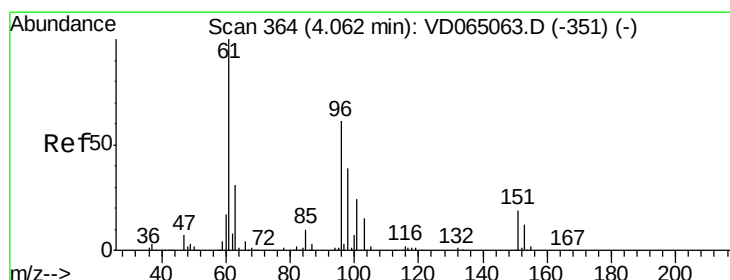
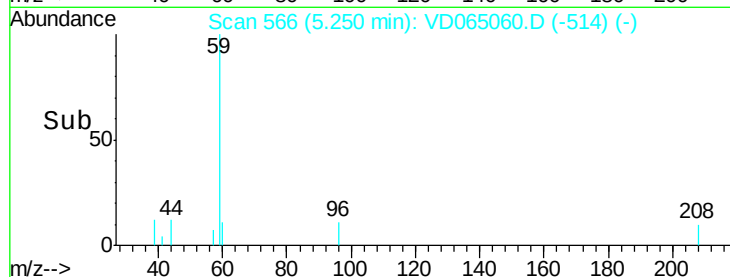
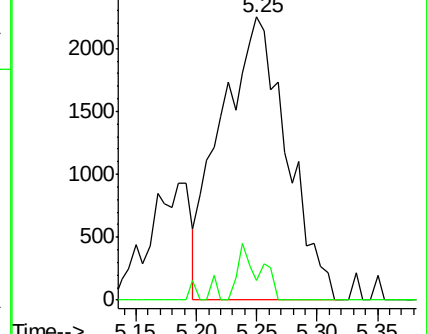
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 5.18 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

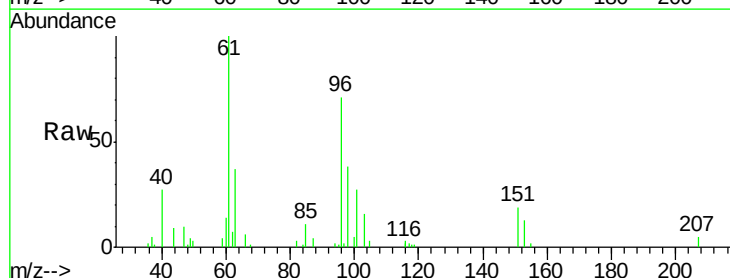
Tgt Ion: 96 Resp: 28555

Ion Ratio Lower Upper

96 100

61 141.5 131.4 197.2

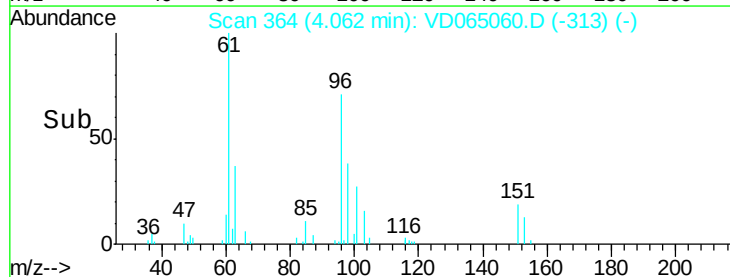
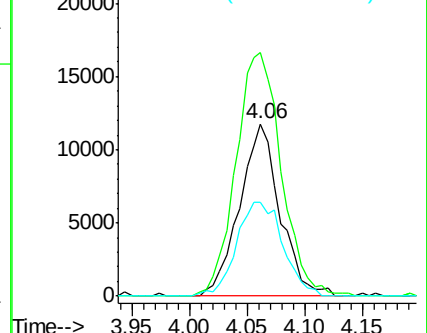
98 54.3 51.1 76.7

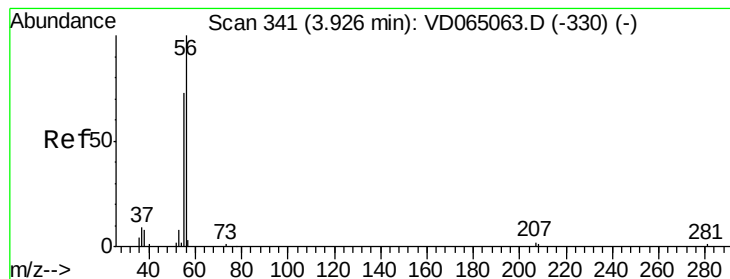


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 27.16 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

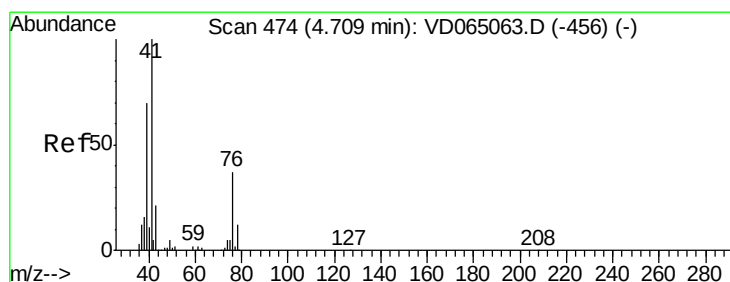
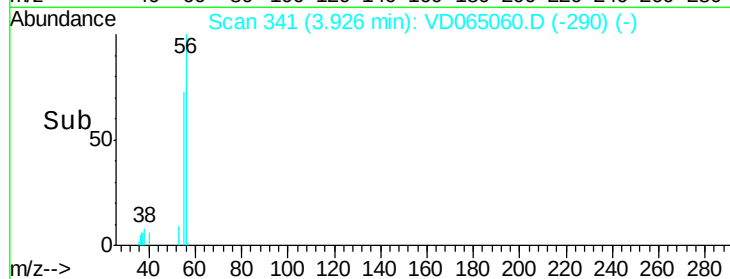
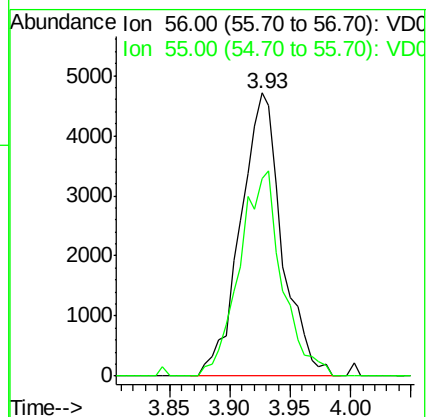
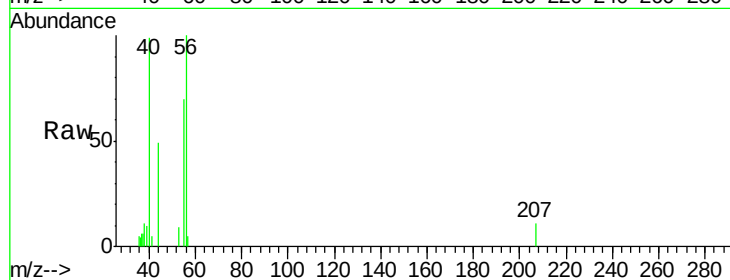
VSTDIC005

Tgt Ion: 56 Resp: 11227

Ion Ratio Lower Upper

56 100

55 74.5 58.2 87.2



#14

Allyl chloride

Concen: 5.15 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

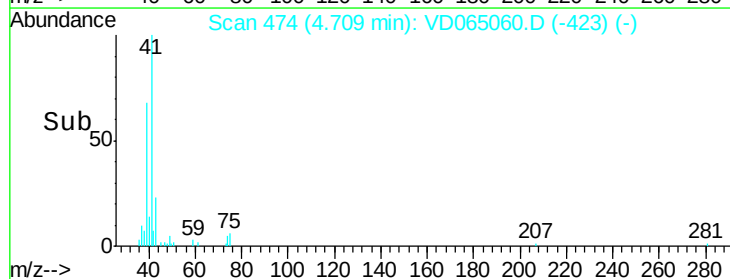
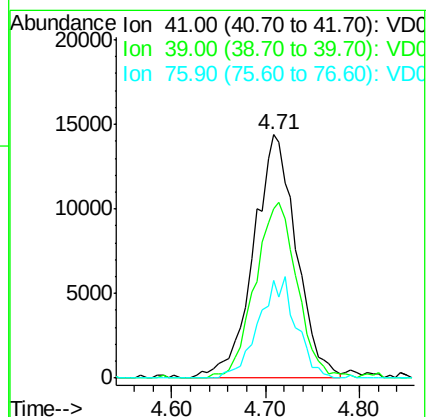
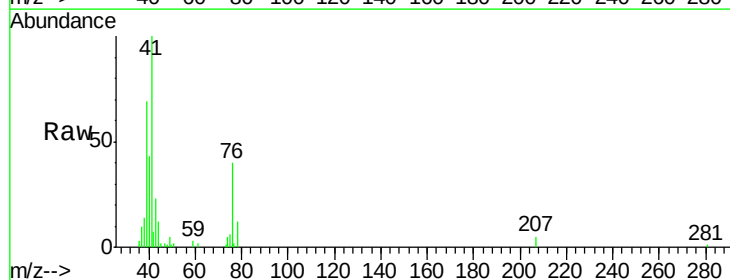
Tgt Ion: 41 Resp: 45471

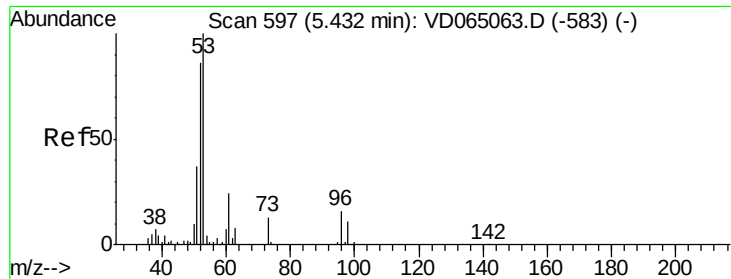
Ion Ratio Lower Upper

41 100

39 70.5 57.1 85.7

76 36.2 28.0 42.0





#15

Acrylonitrile

Concen: 24.75 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

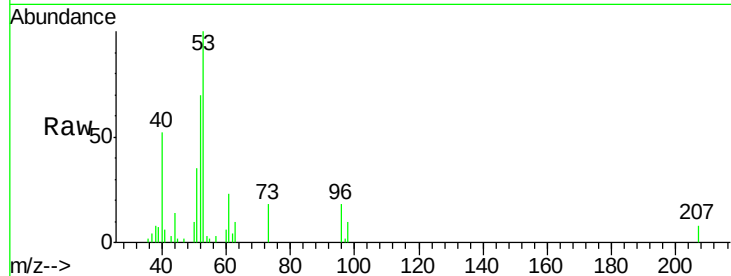
Tgt Ion: 53 Resp: 29670

Ion Ratio Lower Upper

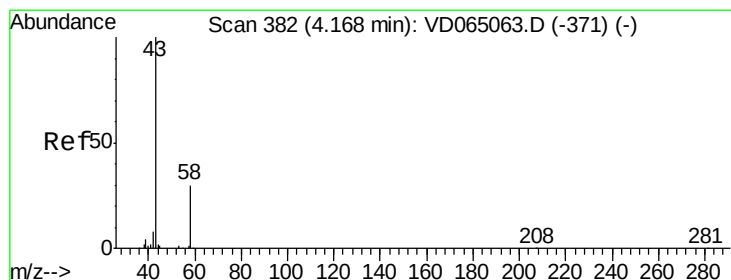
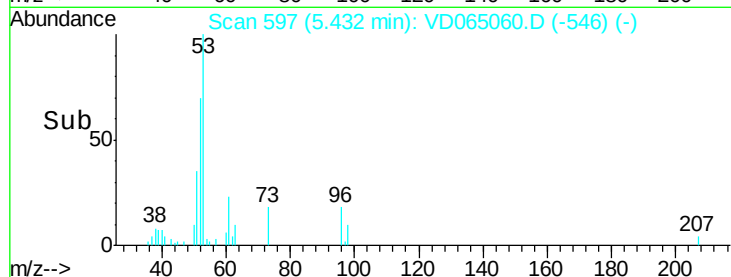
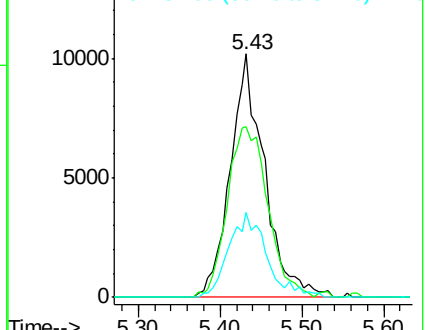
53 100

52 82.5 66.2 99.2

51 35.6 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: 29.03 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065060.D

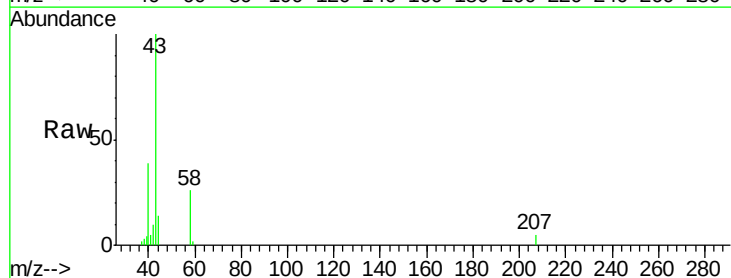
Acq: 05 Feb 2020 12:03

Tgt Ion: 43 Resp: 36813

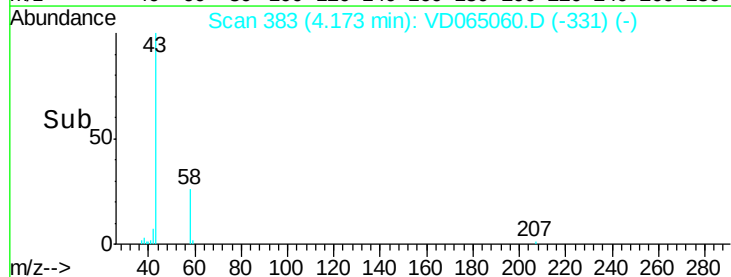
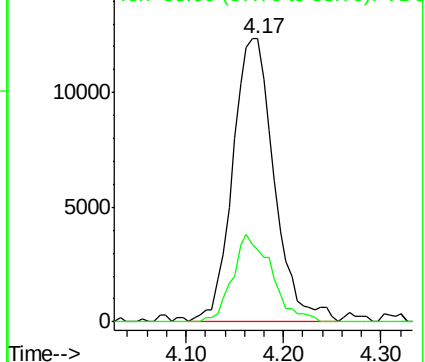
Ion Ratio Lower Upper

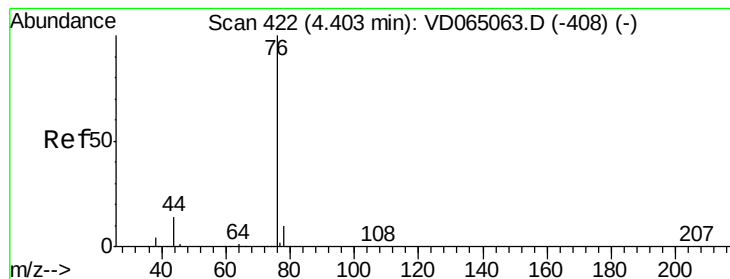
43 100

58 25.6 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: 4.93 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

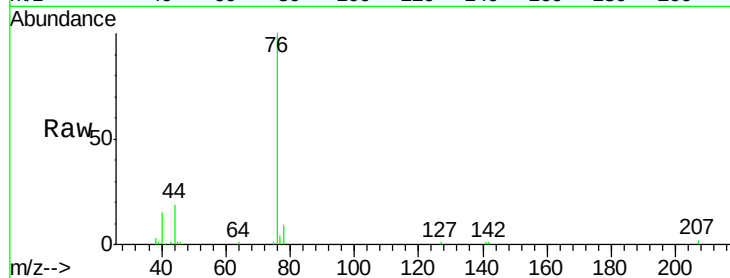
VSTDIC005

Tgt Ion: 76 Resp: 89015

Ion Ratio Lower Upper

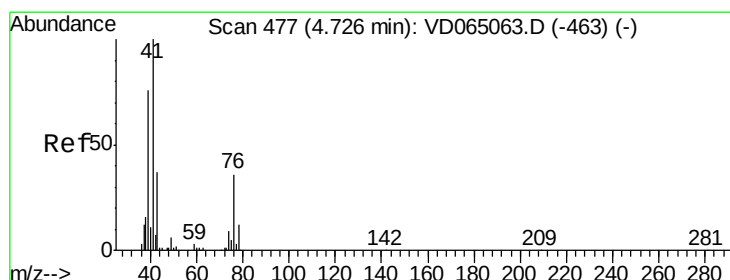
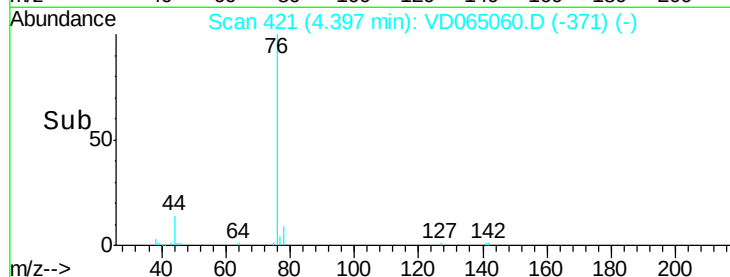
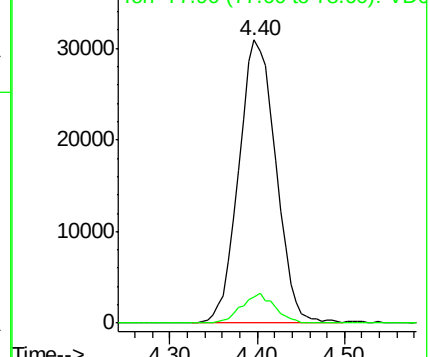
76 100

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: 5.16 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065060.D

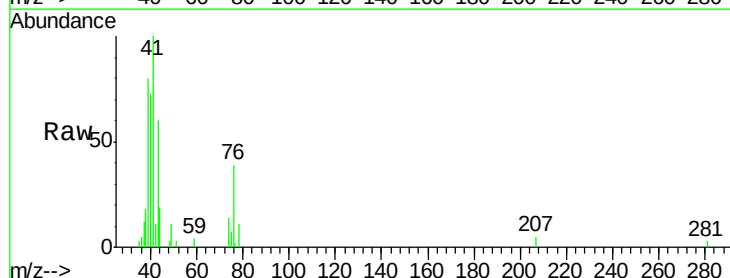
Acq: 05 Feb 2020 12:03

Tgt Ion: 43 Resp: 14448

Ion Ratio Lower Upper

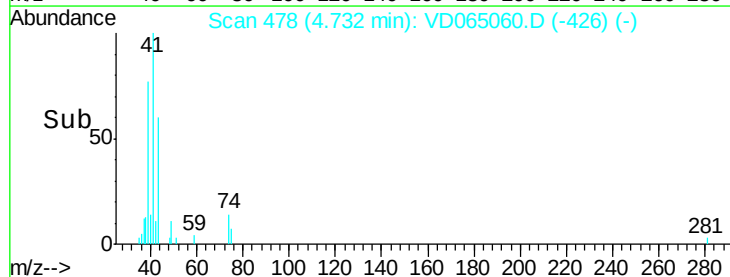
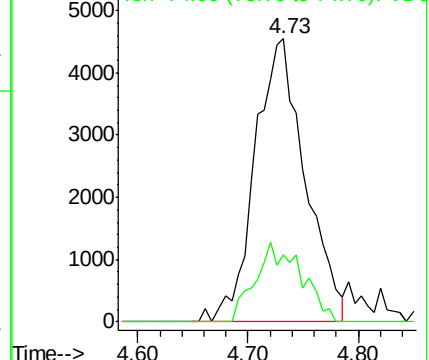
43 100

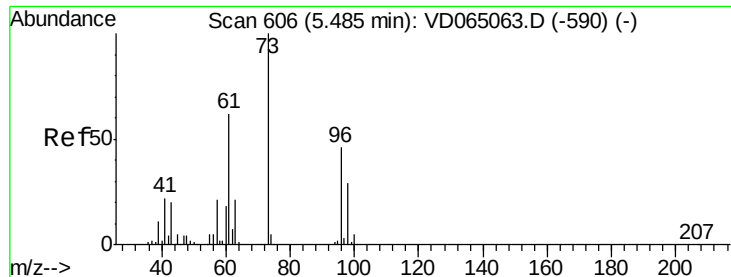
74 25.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

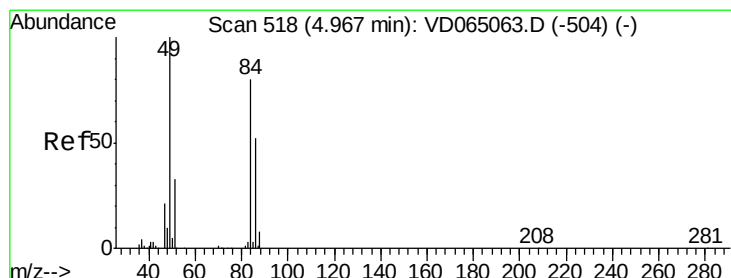
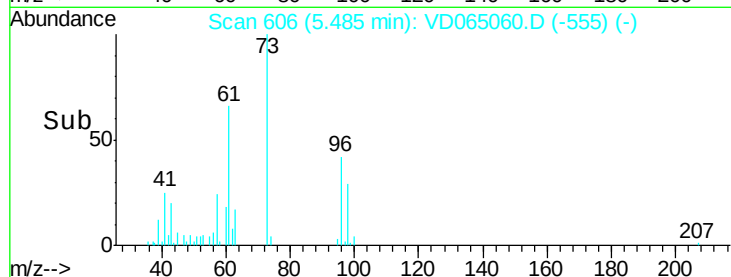
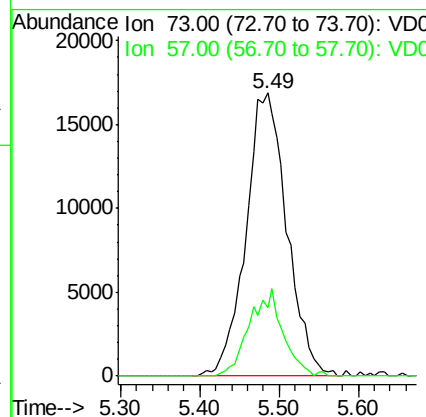
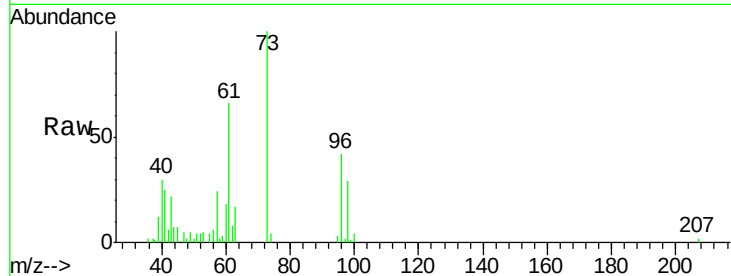




#19
Methyl tert-butyl Ether
Concen: 4.98 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

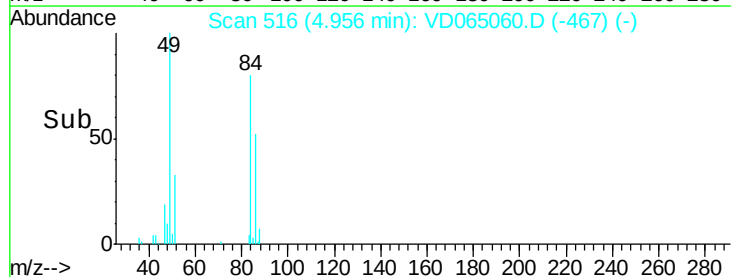
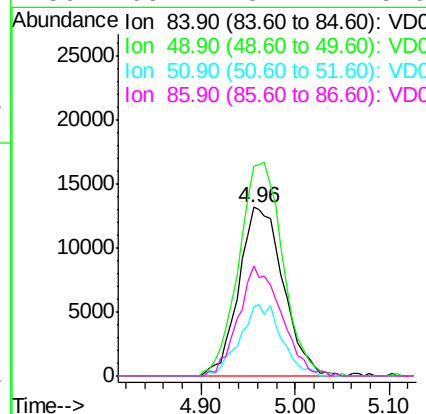
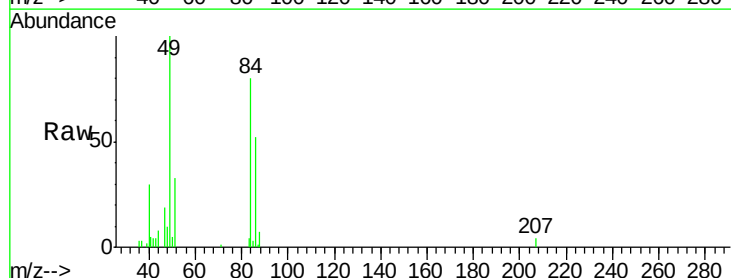
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

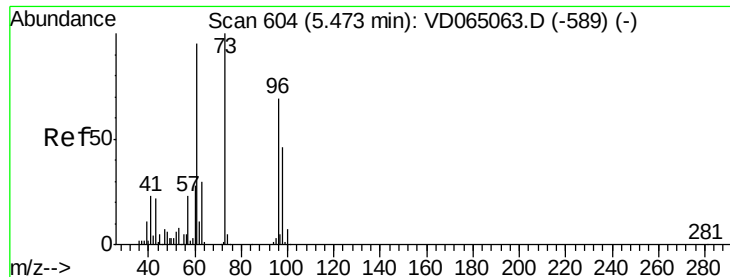
Tgt Ion: 73 Resp: 60635
Ion Ratio Lower Upper
73 100
57 24.2 16.8 25.2



#20
Methylene Chloride
Concen: 6.16 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 84 Resp: 43096
Ion Ratio Lower Upper
84 100
49 124.3 100.4 150.6
51 40.8 32.7 49.1
86 65.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 5.01 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

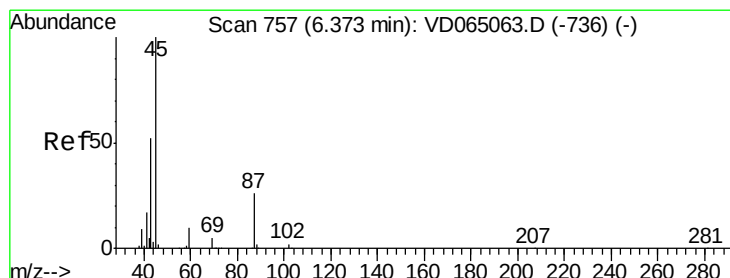
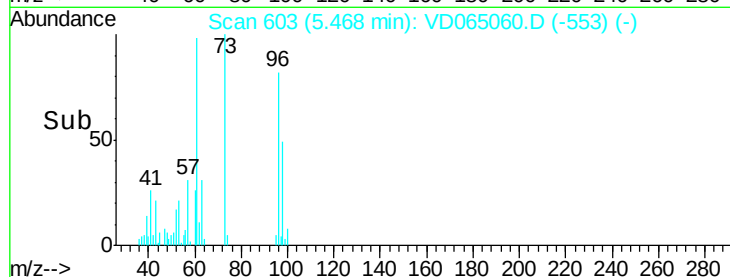
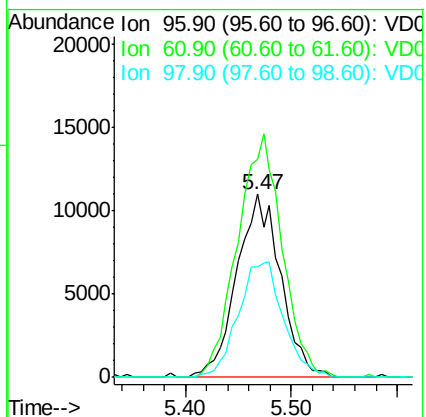
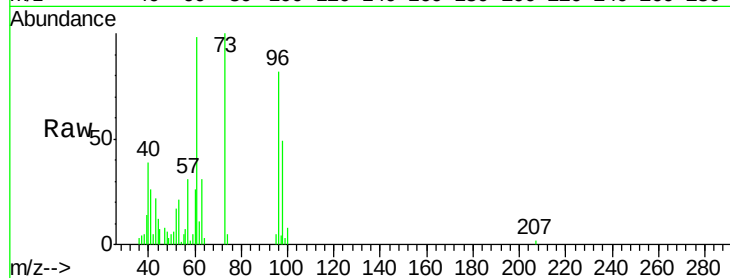
Tgt Ion: 96 Resp: 31608

Ion Ratio Lower Upper

96 100

61 118.8 109.5 164.3

98 60.2 53.7 80.5



#22

Diisopropyl ether

Concen: 4.80 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion: 45 Resp: 83424

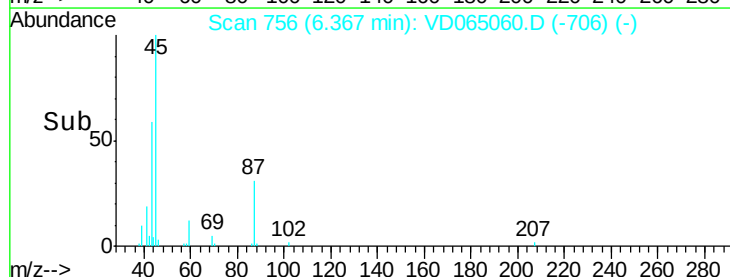
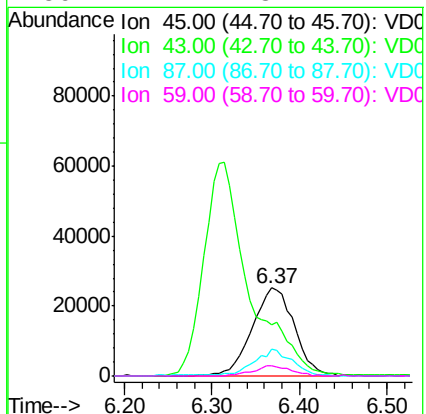
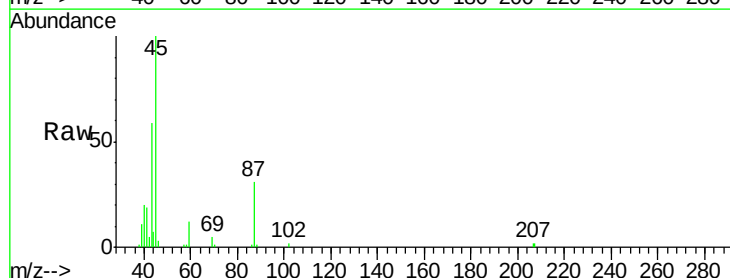
Ion Ratio Lower Upper

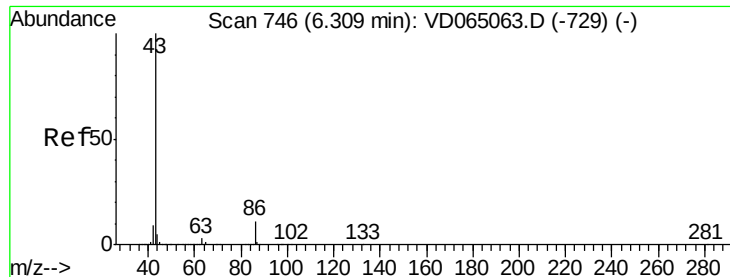
45 100

43 55.9 41.3 61.9

87 31.1 21.0 31.6

59 12.4 8.2 12.4#





#23

Vinyl Acetate

Concen: 21.79 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

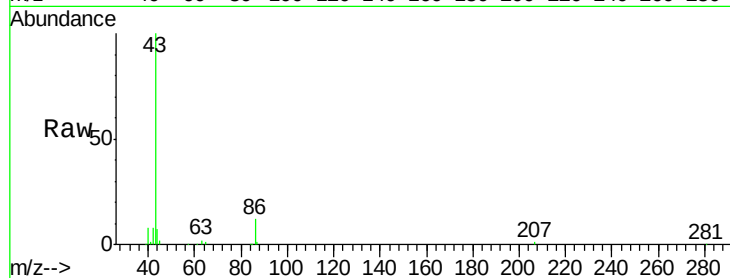
VSTDIC005

Tgt Ion: 43 Resp: 219716

Ion Ratio Lower Upper

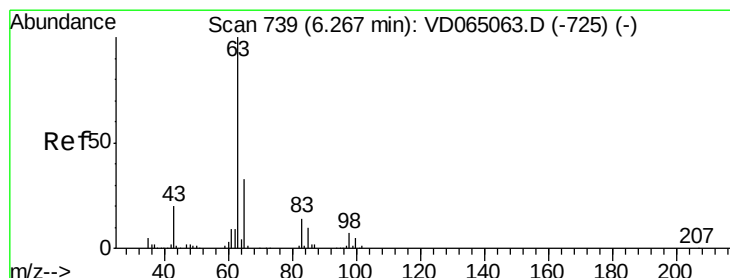
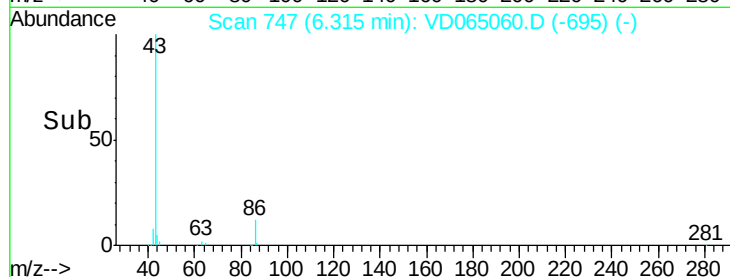
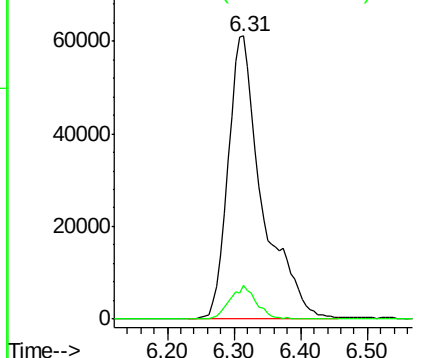
43 100

86 11.9 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: 4.92 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

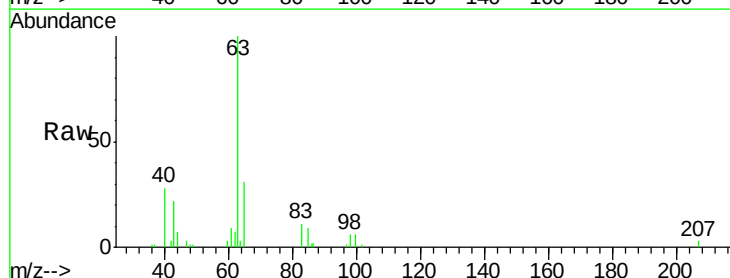
Tgt Ion: 63 Resp: 52498

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

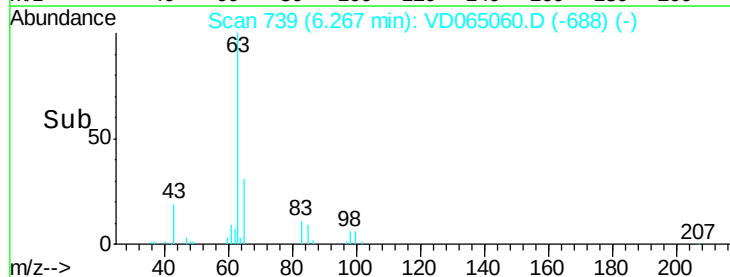
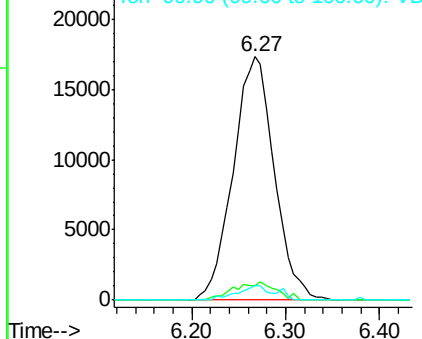
100 6.1 2.5 7.6

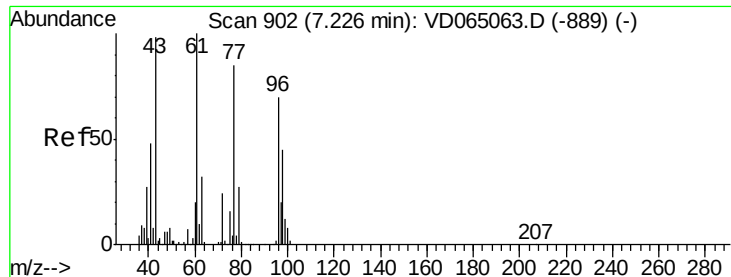


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 25.54 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

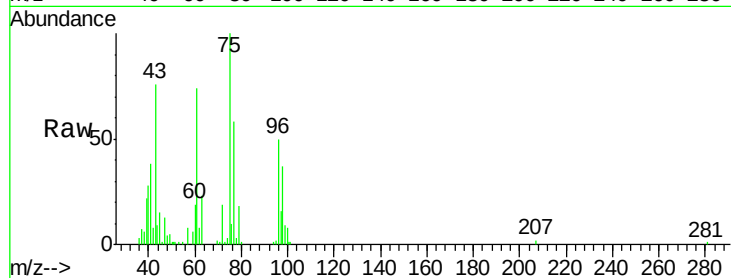
VSTDIC005

Tgt Ion: 43 Resp: 40925

Ion Ratio Lower Upper

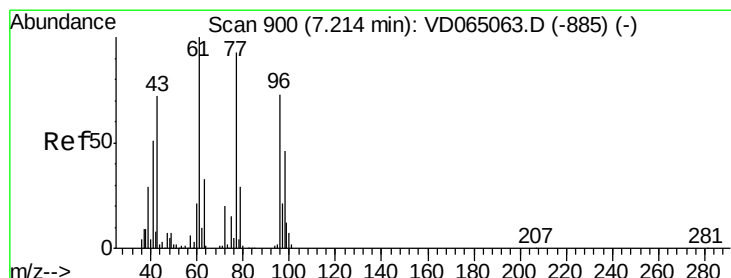
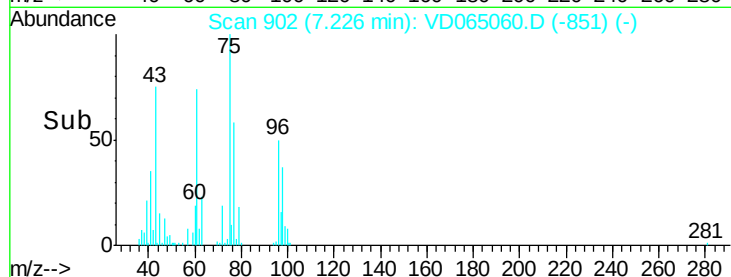
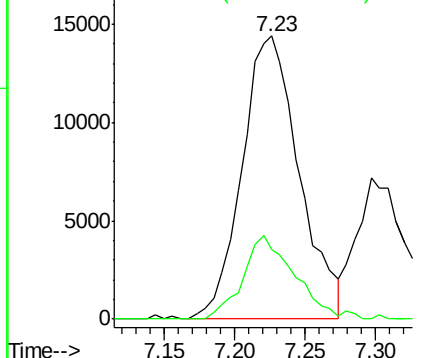
43 100

72 24.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.90 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065060.D

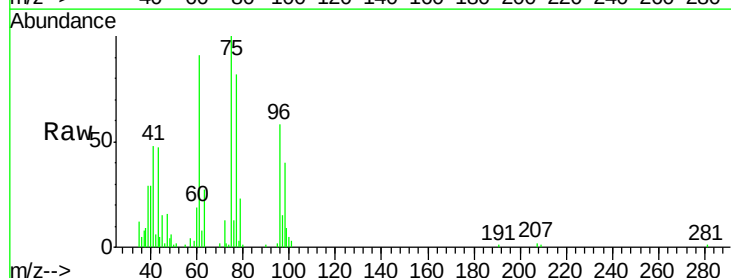
Acq: 05 Feb 2020 12:03

Tgt Ion: 77 Resp: 47744

Ion Ratio Lower Upper

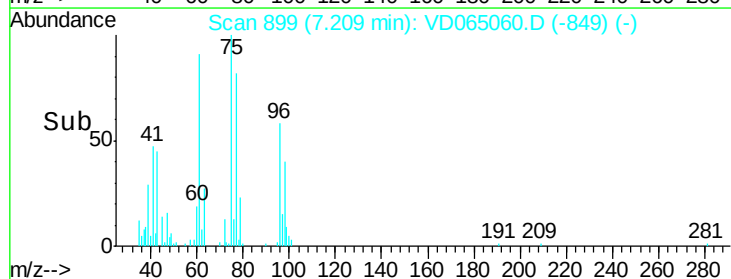
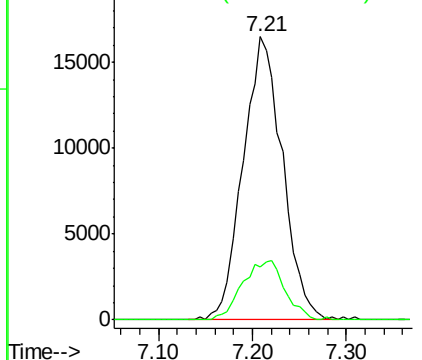
77 100

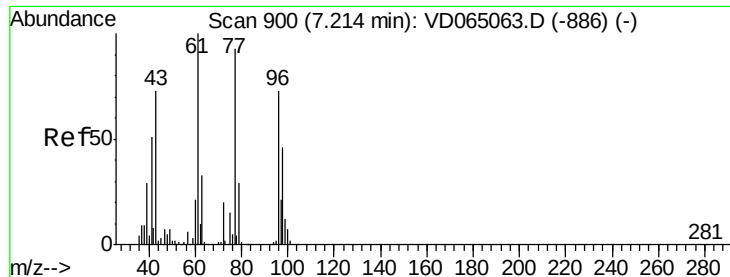
97 22.5 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 4.83 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

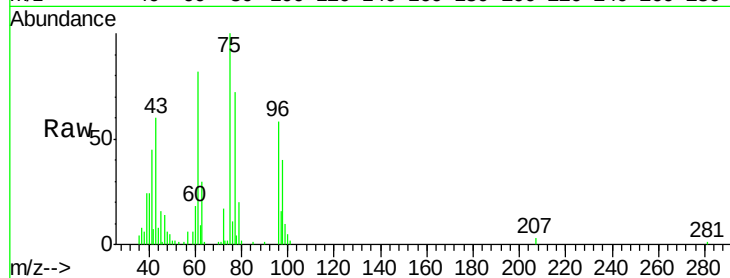
Tgt Ion: 96 Resp: 32563

Ion Ratio Lower Upper

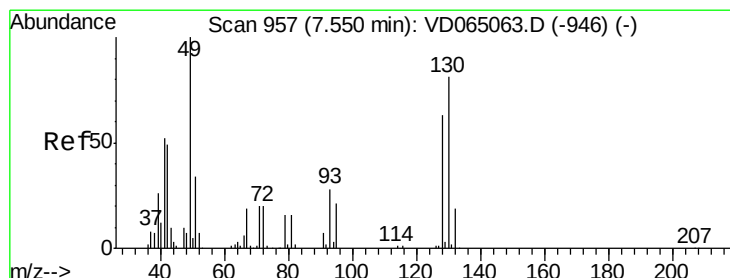
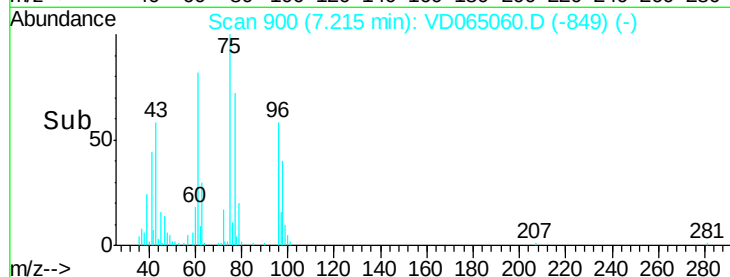
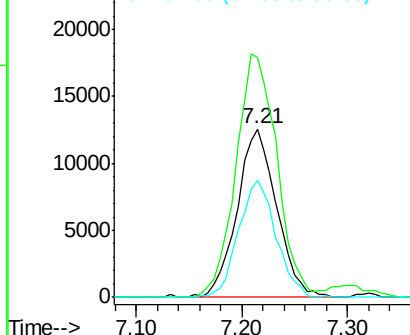
96 100

61 149.7 0.0 292.8

98 66.0 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: 5.37 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

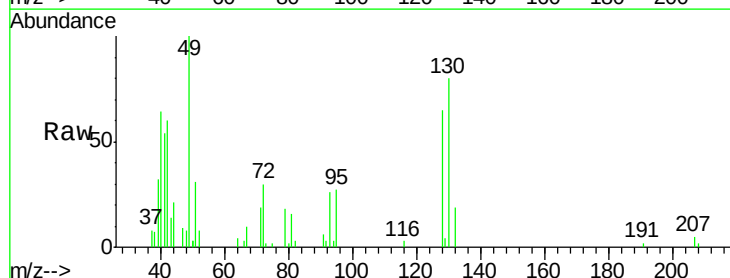
Tgt Ion: 49 Resp: 22157

Ion Ratio Lower Upper

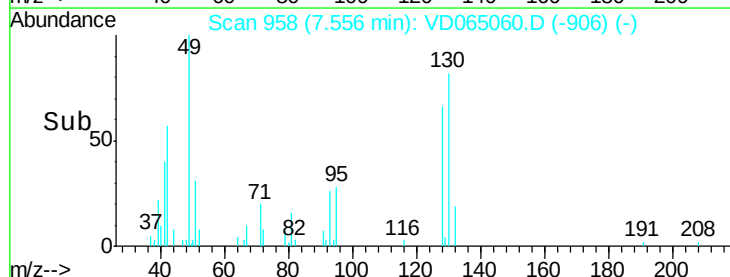
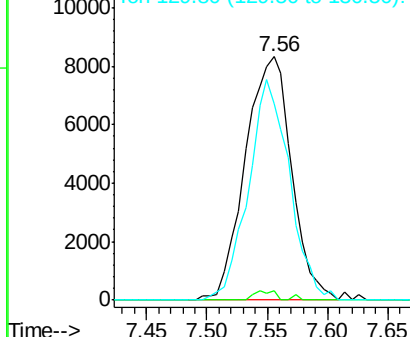
49 100

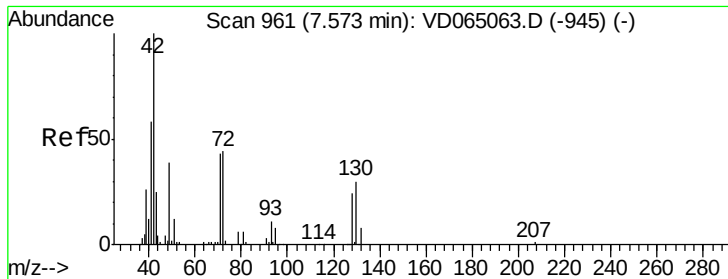
129 1.6 0.0 4.4

130 80.3 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

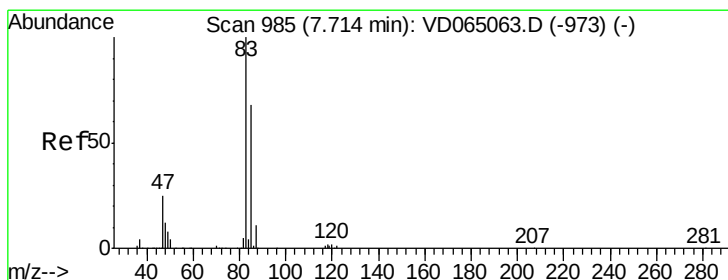
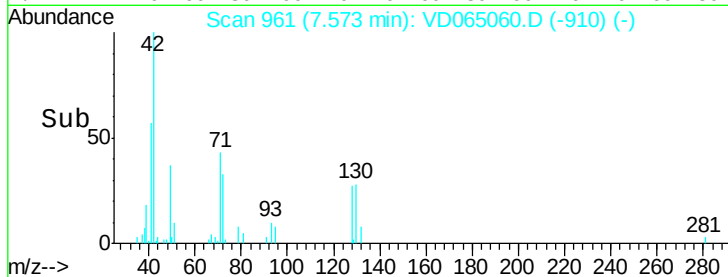
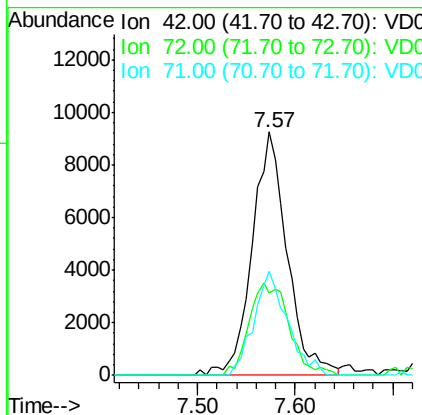
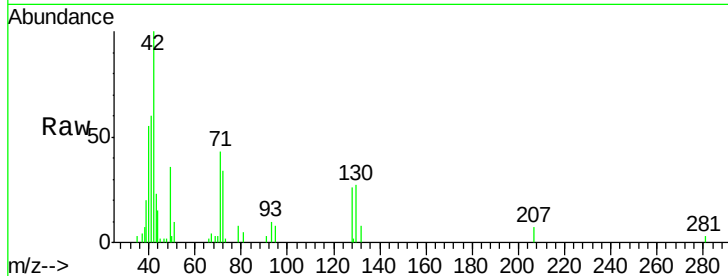




#29
Tetrahydrofuran
Concen: 23.44 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

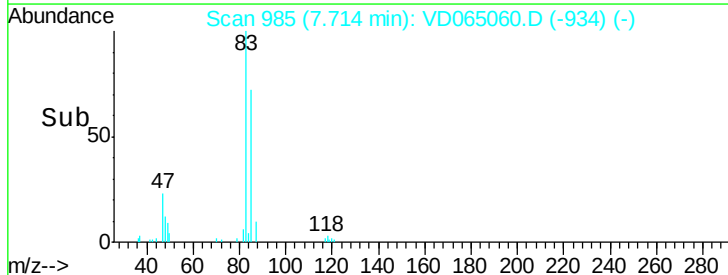
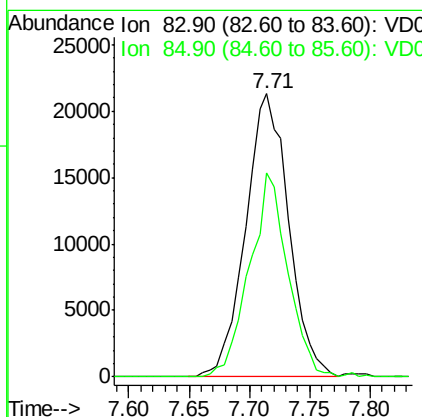
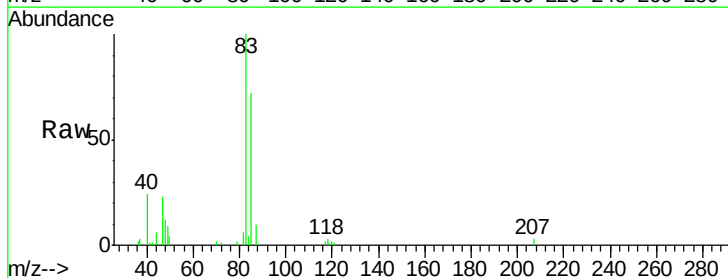
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

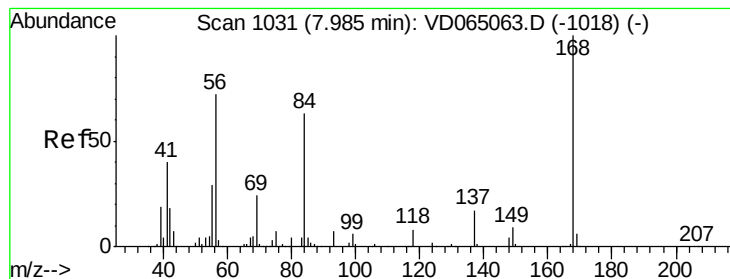
Tgt Ion: 42 Resp: 23268
Ion Ratio Lower Upper
42 100
72 43.3 34.2 51.4
71 40.7 31.8 47.6



#30
Chloroform
Concen: 4.79 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 83 Resp: 52665
Ion Ratio Lower Upper
83 100
85 72.1 54.2 81.4





#31

Cyclohexane

Concen: 5.76 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

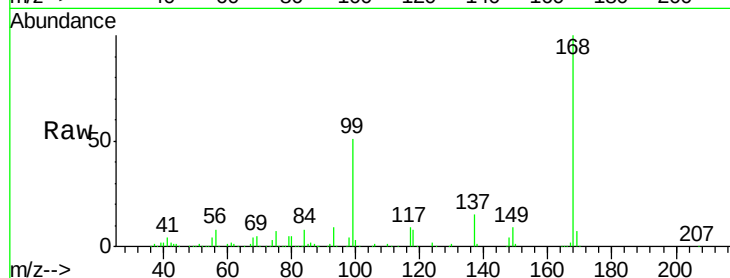
Tgt Ion: 56 Resp: 60873

Ion Ratio Lower Upper

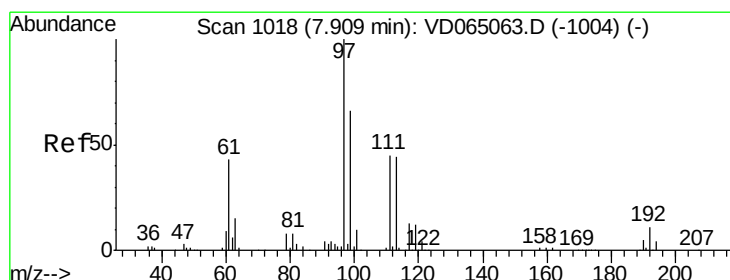
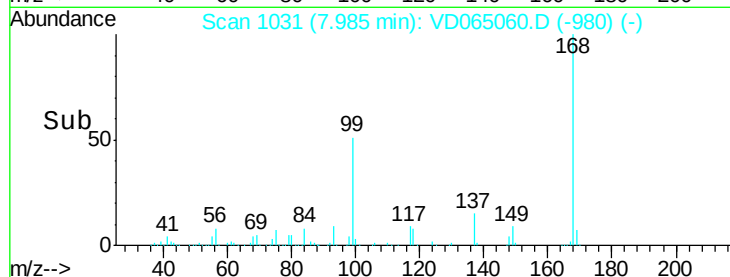
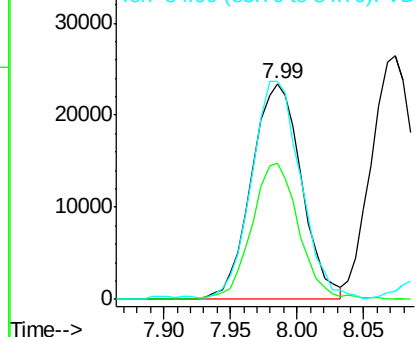
56 100

69 62.9 26.6 40.0#

84 99.6 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: 4.75 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

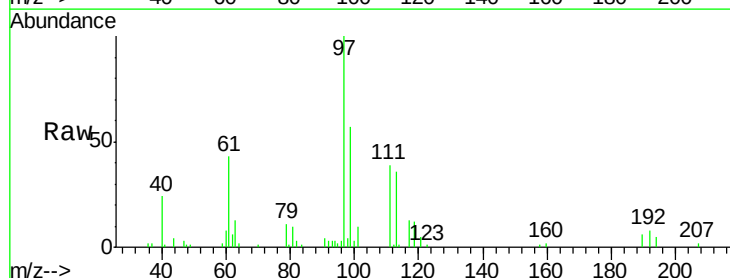
Tgt Ion: 97 Resp: 48546

Ion Ratio Lower Upper

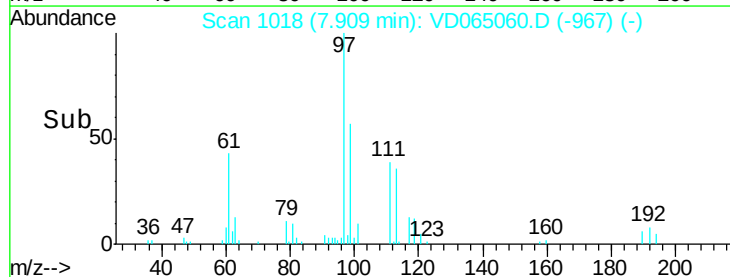
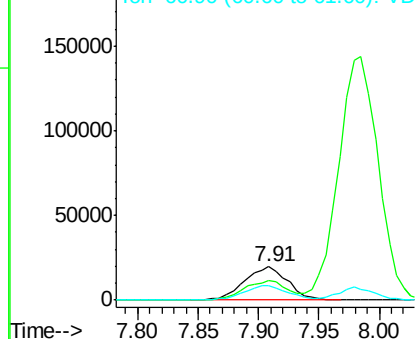
97 100

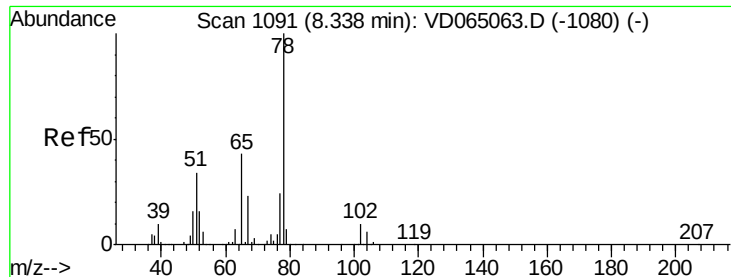
99 61.9 51.5 77.3

61 43.9 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

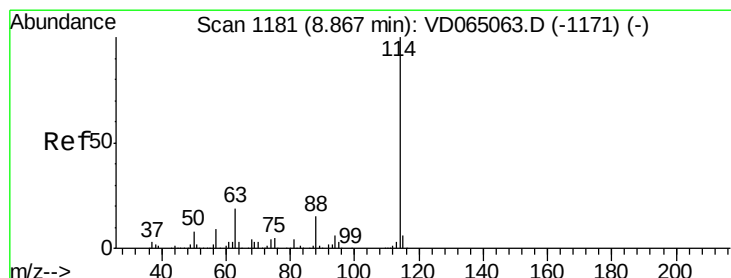
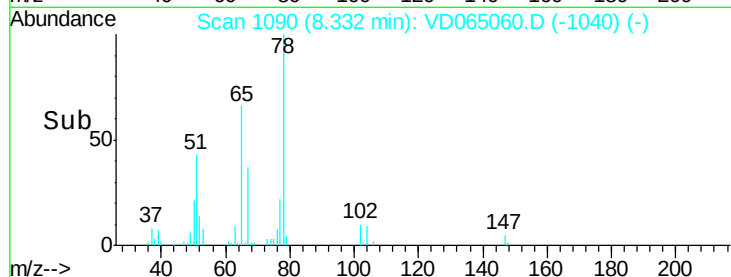
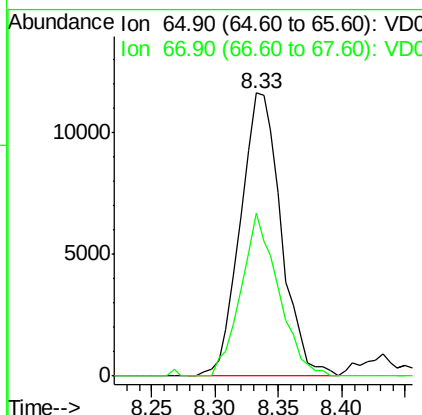
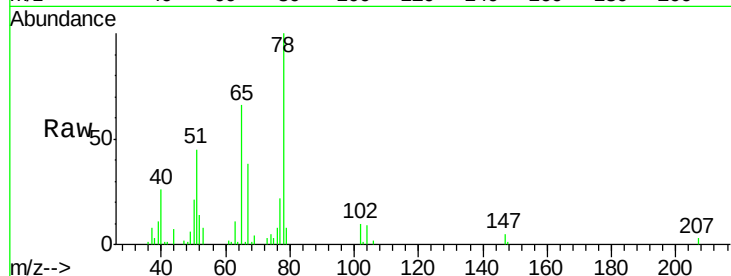




#33
 1,2-Dichloroethane-d4
 Concen: 4.40 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

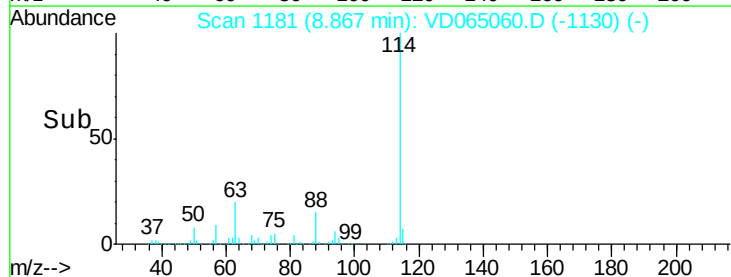
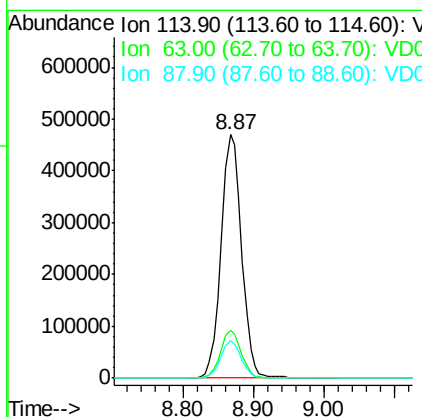
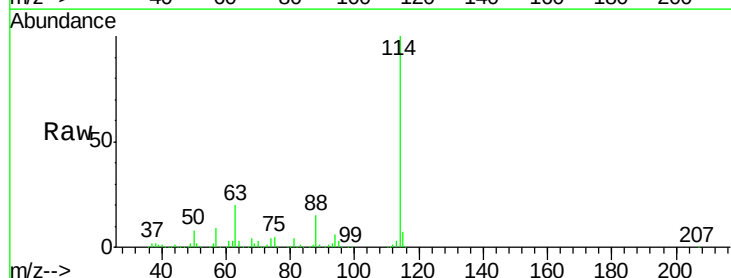
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

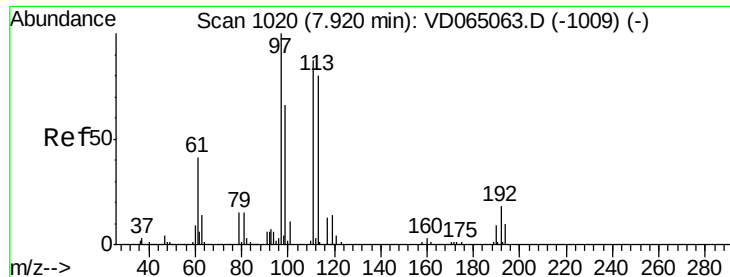
Tgt Ion: 65 Resp: 26004
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 114 Resp: 951017
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 15.2 0.0 29.6

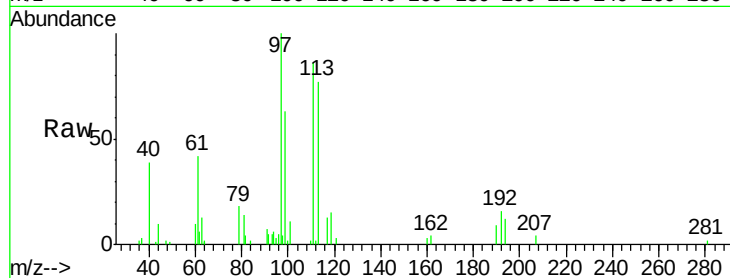




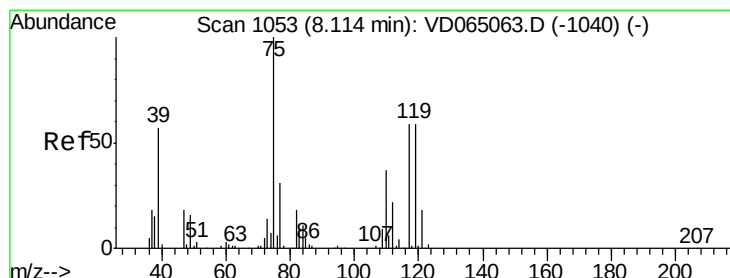
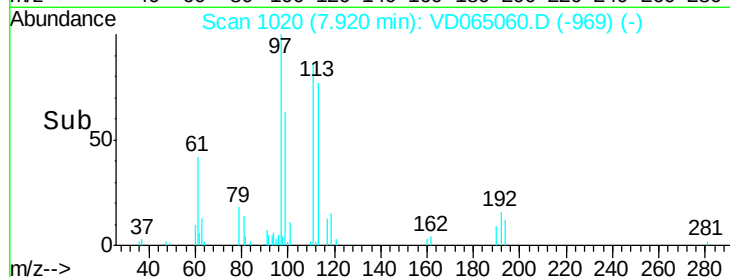
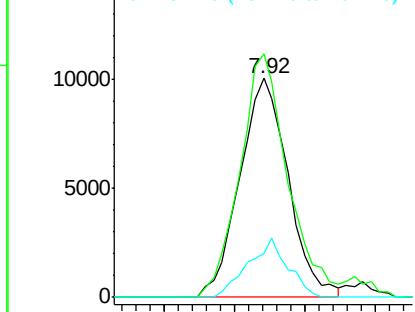
#35
Dibromofluoromethane
Concen: 4.10 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 113 Resp: 24079
Ion Ratio Lower Upper
113 100
111 109.9 83.1 124.7
192 22.2 18.1 27.1

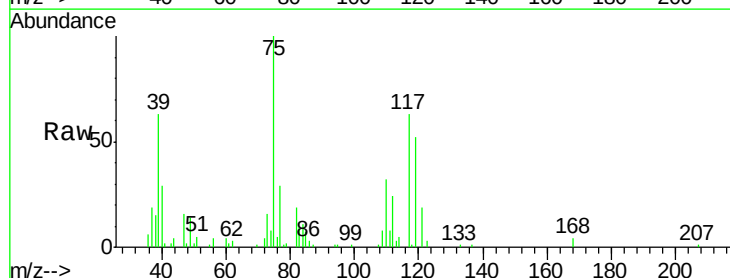


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

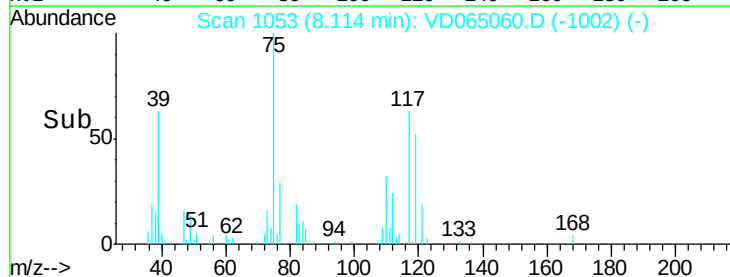
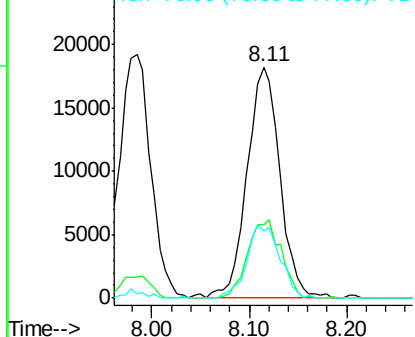


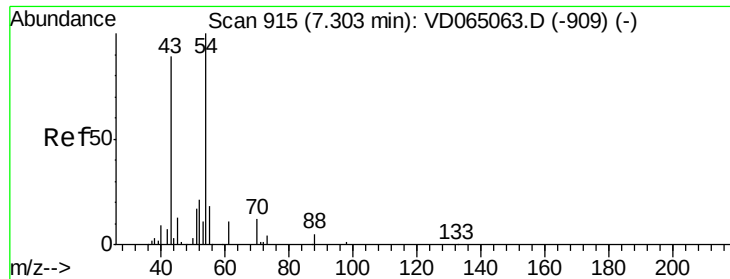
#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 75 Resp: 42947
Ion Ratio Lower Upper
75 100
110 34.6 18.1 54.3
77 31.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

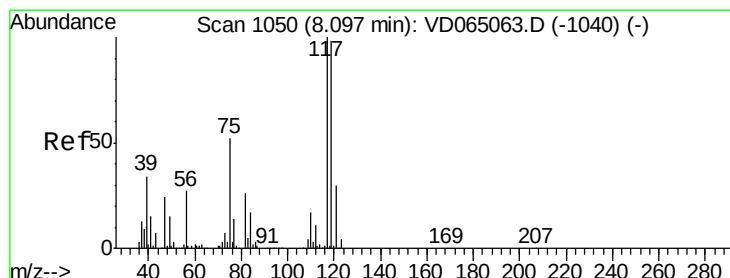
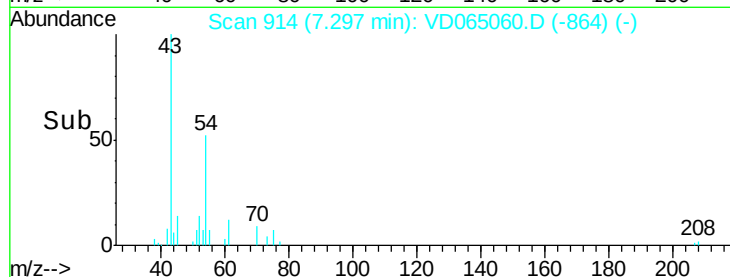
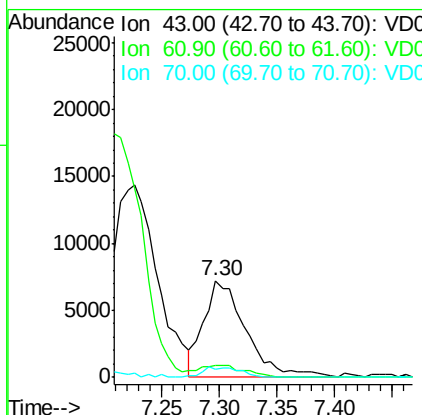
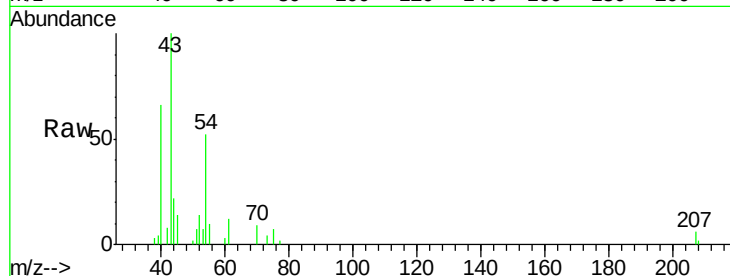




#37
Ethyl Acetate
 Concen: 4.88 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

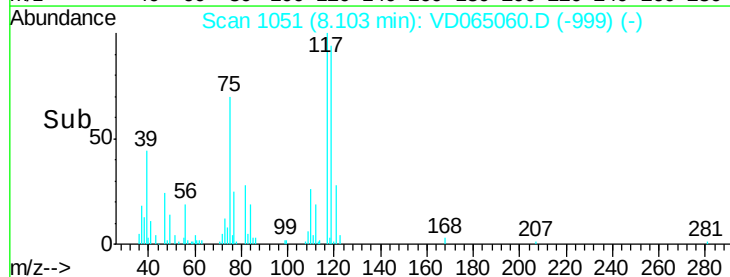
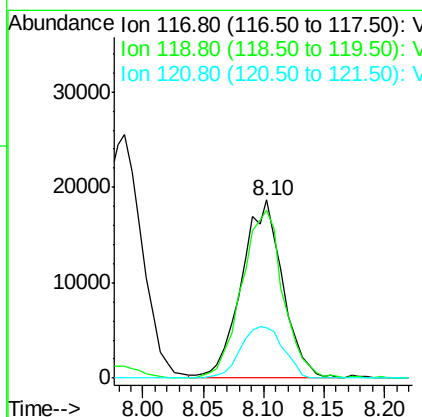
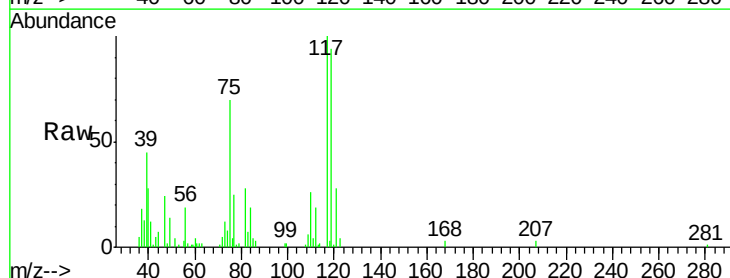
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

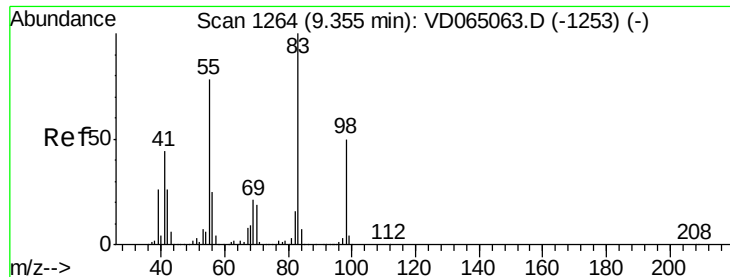
Tgt Ion: 43 Resp: 18398
 Ion Ratio Lower Upper
 43 100
 61 13.2 11.0 16.4
 70 9.6 8.2 12.2



#38
Carbon Tetrachloride
 Concen: 4.62 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 117 Resp: 44352
 Ion Ratio Lower Upper
 117 100
 119 94.3 78.5 117.7
 121 28.0 23.8 35.6

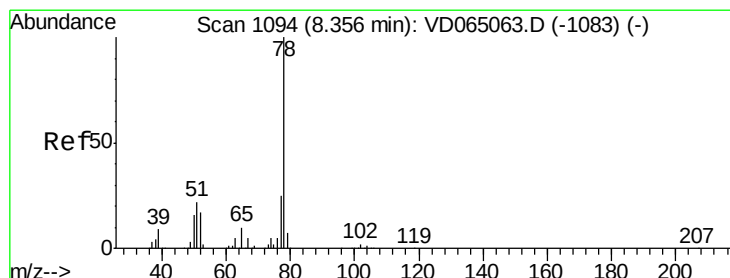
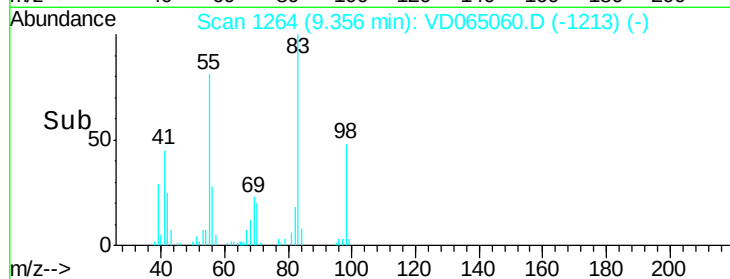
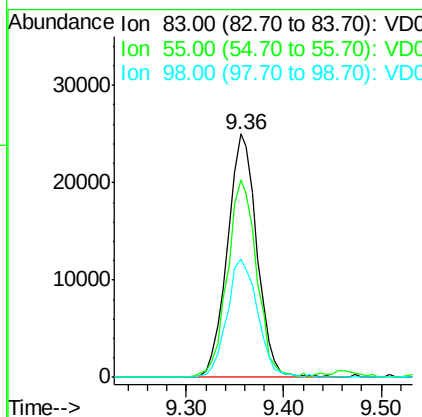
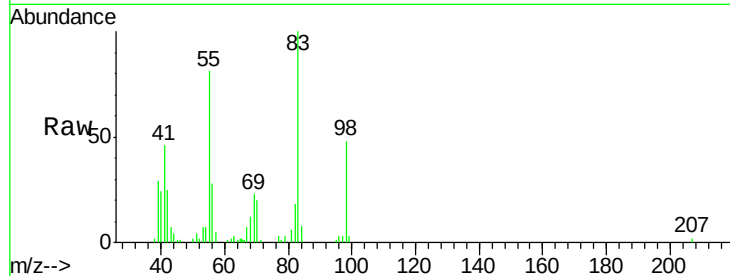




#39
Methylcyclohexane
Concen: 4.86 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

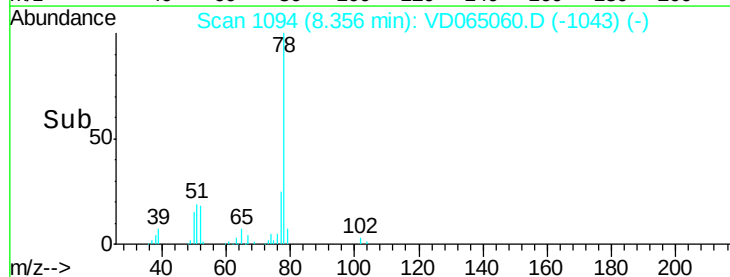
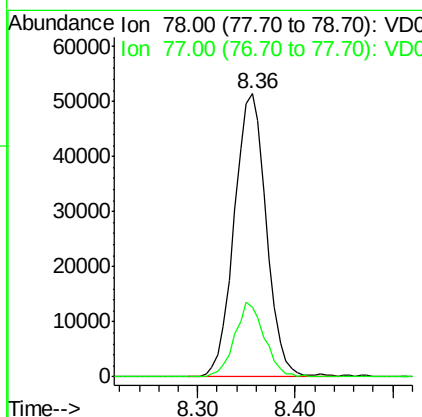
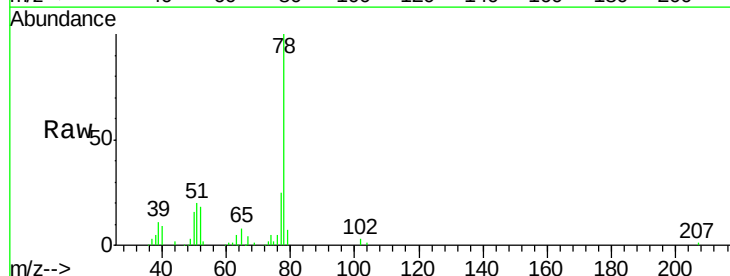
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

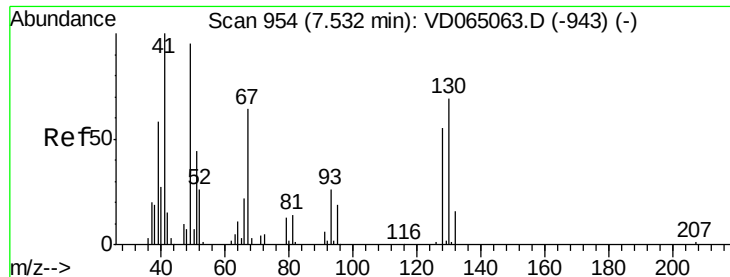
Tgt Ion: 83 Resp: 52478
Ion Ratio Lower Upper
83 100
55 81.0 62.0 93.0
98 48.3 39.9 59.9



#40
Benzene
Concen: 4.67 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 78 Resp: 117729
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

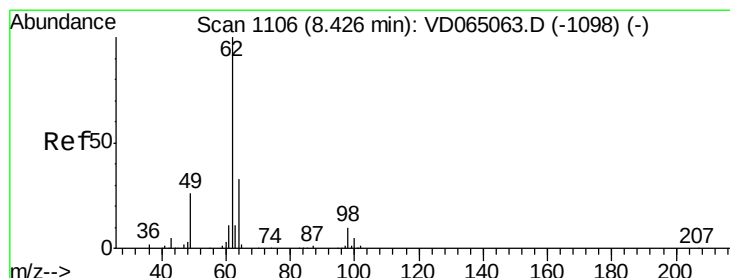
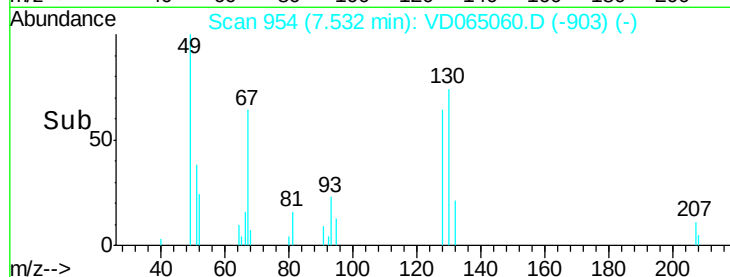
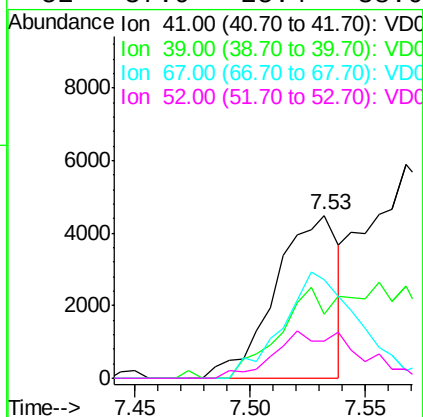
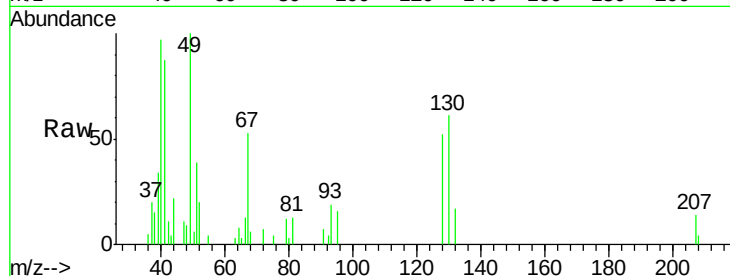




#41
Methacrylonitrile
Concen: 4.29 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

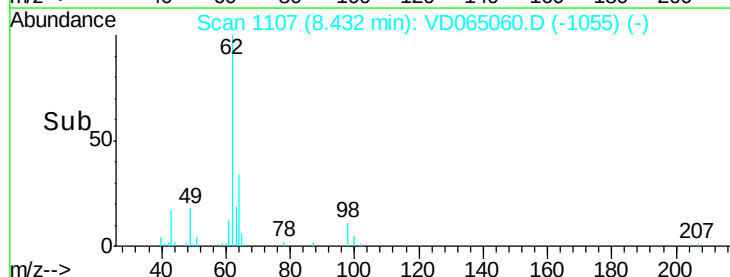
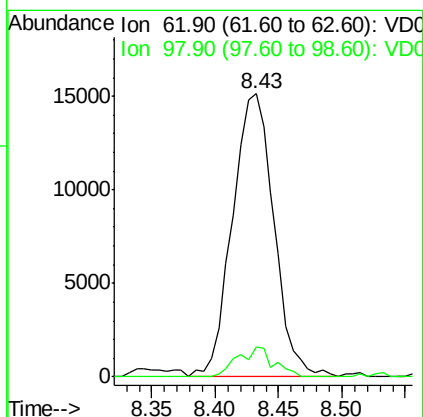
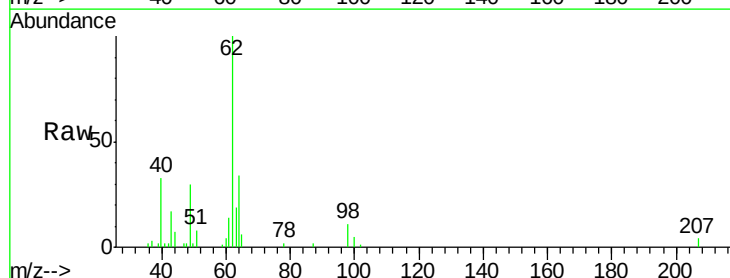
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

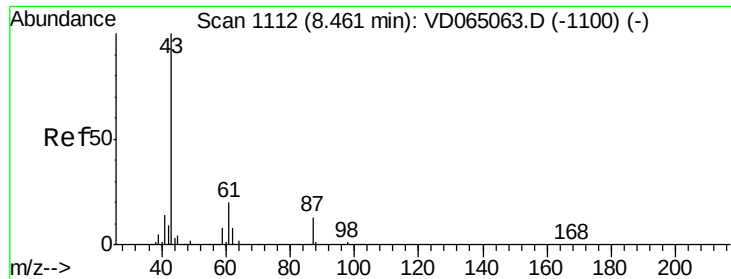
Tgt Ion:	41	Resp:	8517
Ion	Ratio	Lower	Upper
41	100		
39	40.4	55.4	83.0#
67	79.3	59.0	88.6
52	37.9	25.4	38.0



#42
1,2-Dichloroethane
Concen: 4.61 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion:	62	Resp:	34318
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 4.66 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

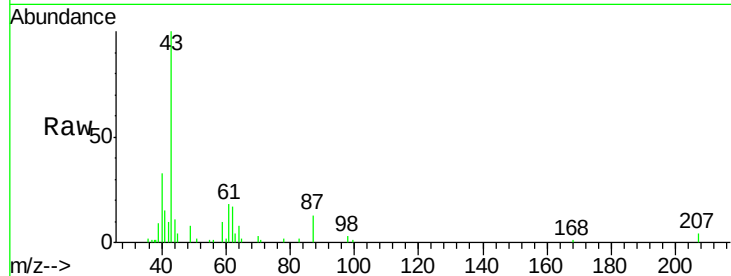
Tgt Ion: 43 Resp: 33337

Ion Ratio Lower Upper

43 100

61 31.0 24.0 36.0

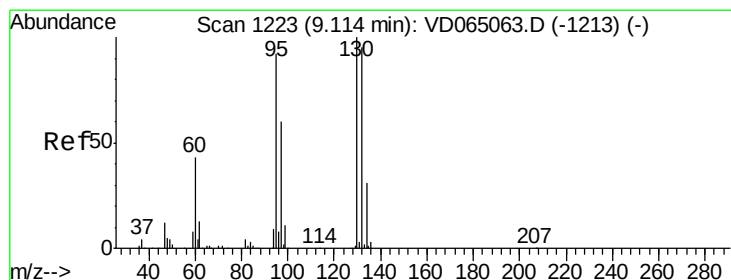
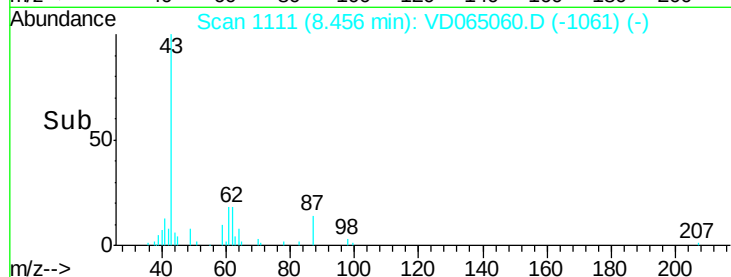
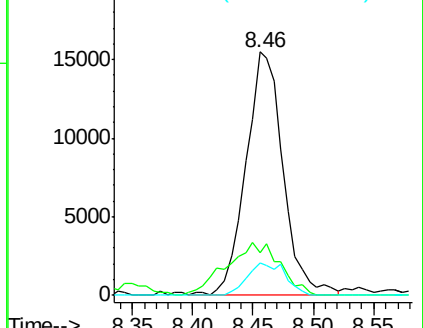
87 13.5 10.2 15.4



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: 5.03 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065060.D

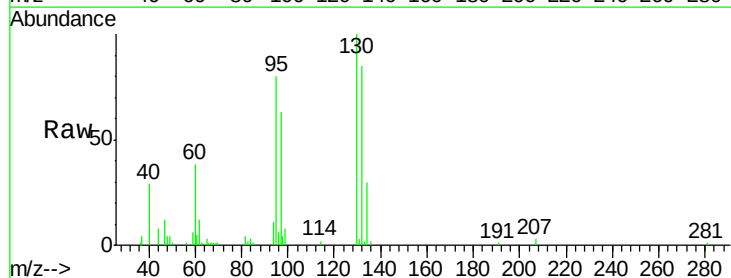
Acq: 05 Feb 2020 12:03

Tgt Ion: 130 Resp: 35719

Ion Ratio Lower Upper

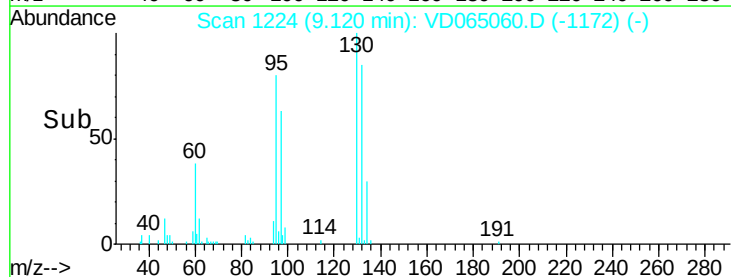
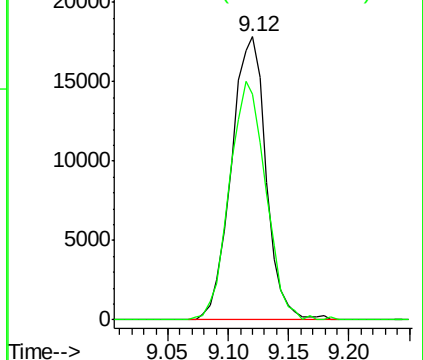
130 100

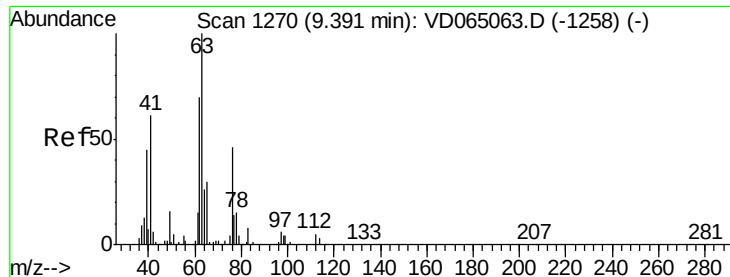
95 79.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

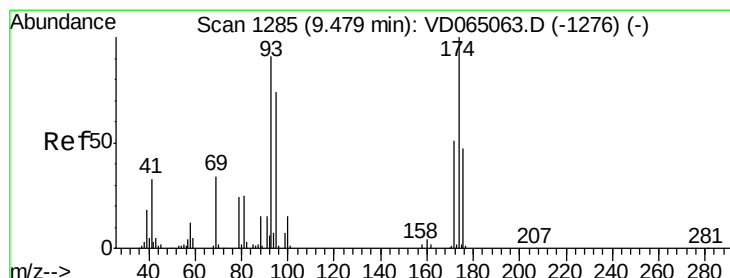
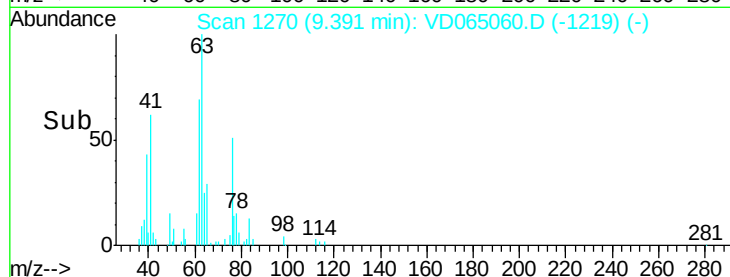
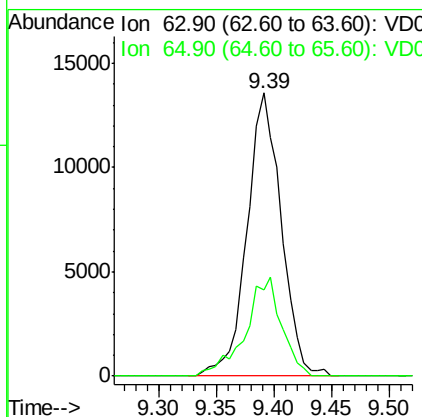
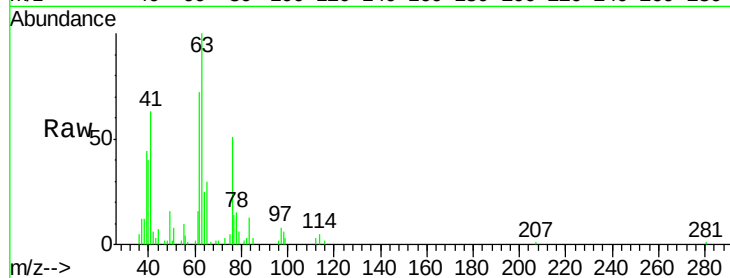




#45
 1,2-Dichloropropane
 Concen: 4.58 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

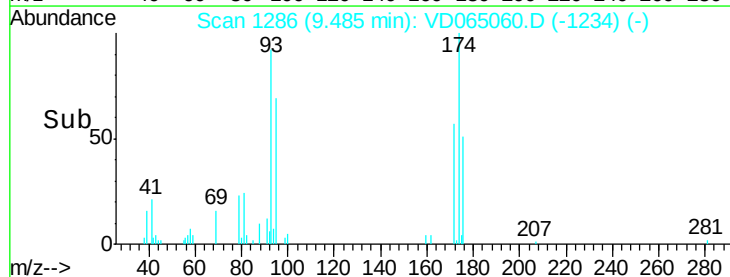
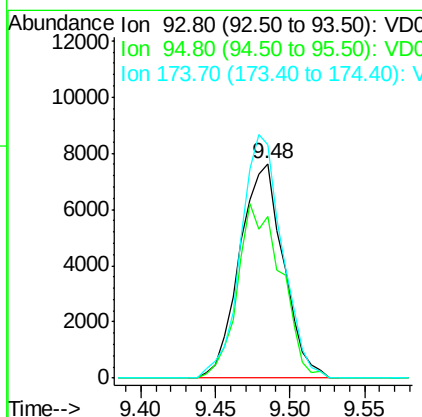
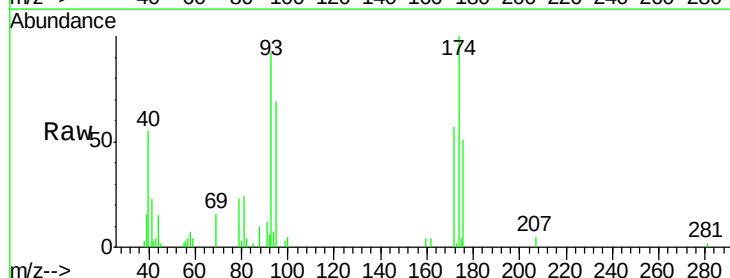
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

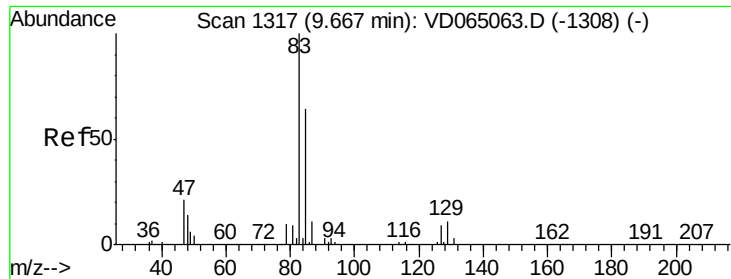
Tgt Ion: 63 Resp: 28064
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.9 35.9



#46
 Dibromomethane
 Concen: 4.67 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 93 Resp: 15499
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.5 99.7
 174 107.8 89.8 134.8

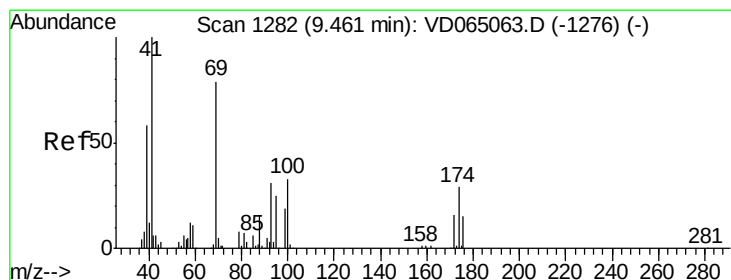
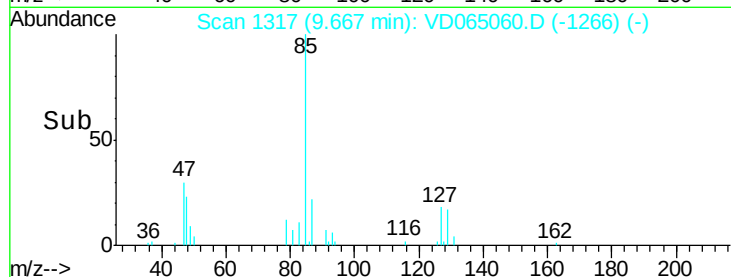
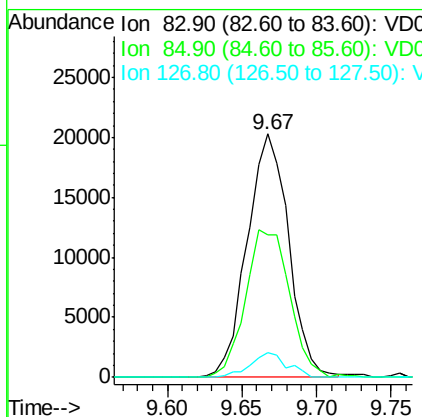
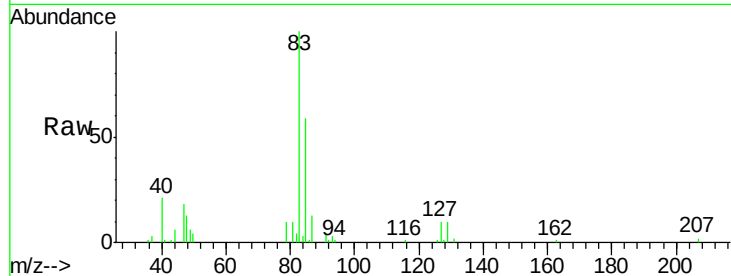




#47
 Bromodichloromethane
 Concen: 4.52 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

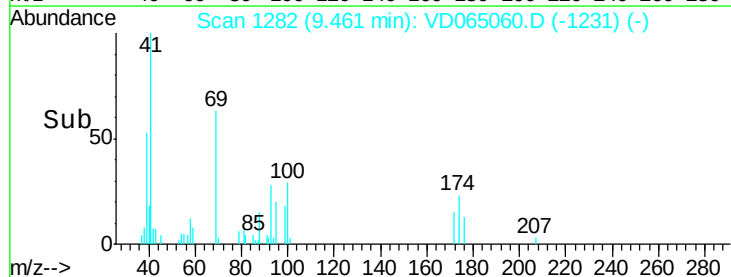
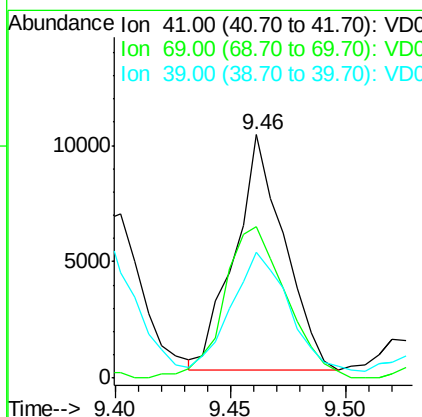
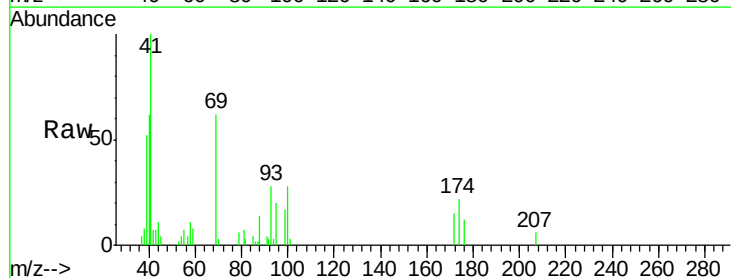
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

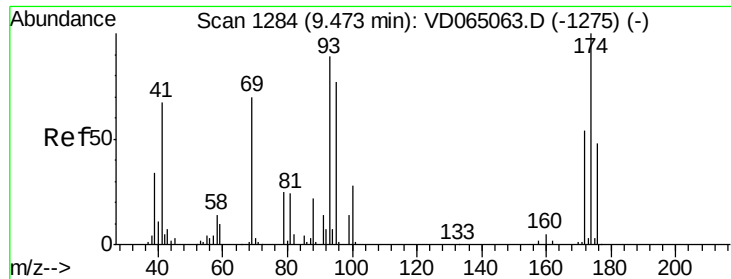
Tgt Ion: 83 Resp: 38982
 Ion Ratio Lower Upper
 83 100
 85 58.7 51.0 76.6
 127 10.3 7.3 10.9



#48
 Methyl methacrylate
 Concen: 4.61 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 41 Resp: 15192
 Ion Ratio Lower Upper
 41 100
 69 80.3 67.5 101.3
 39 59.2 47.0 70.4

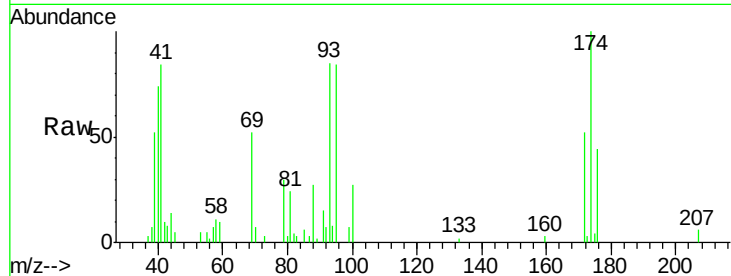




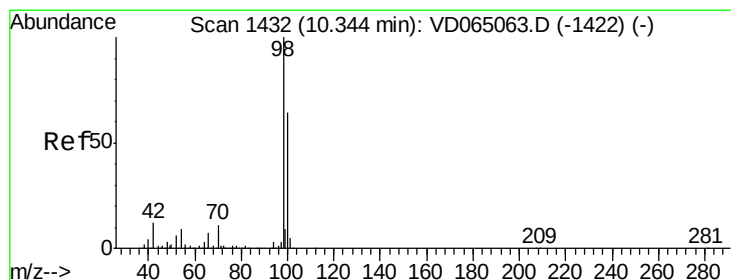
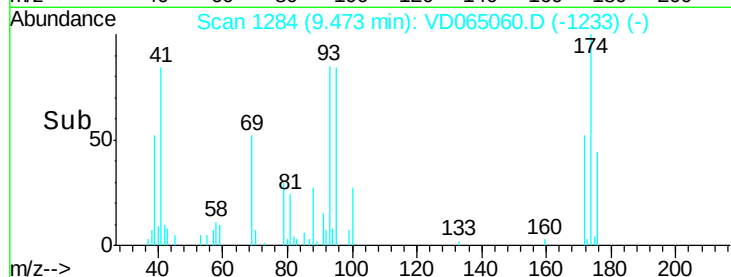
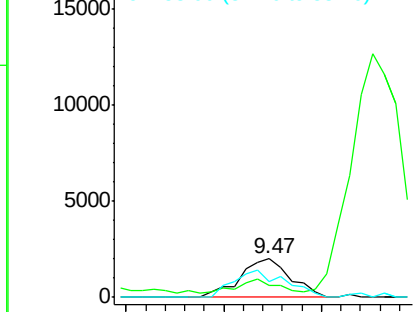
#49
1,4-Dioxane
Concen: 93.81 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 3575
Ion Ratio Lower Upper
88 100
43 25.8 27.7 41.5#
58 72.1 55.5 83.3

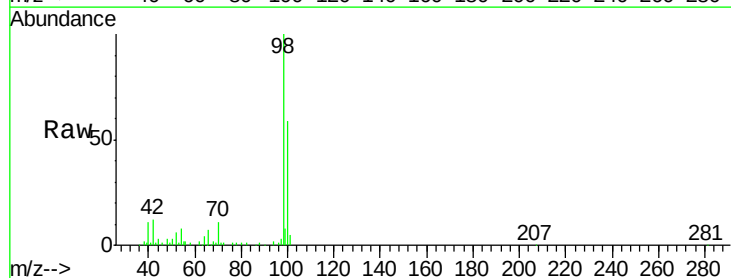


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

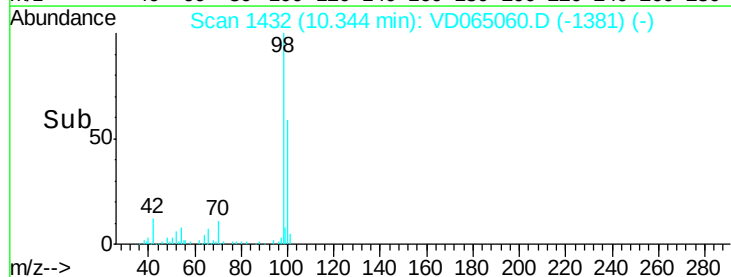
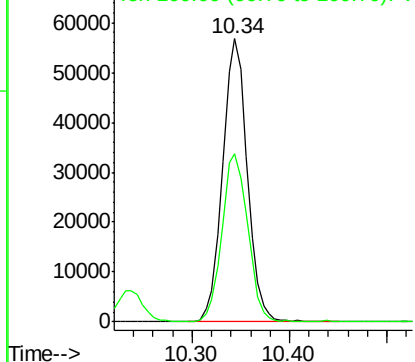


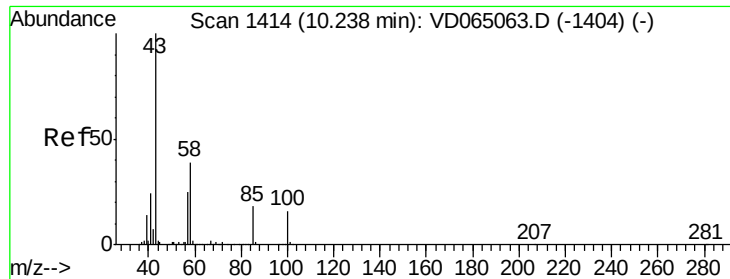
#50
Toluene-d8
Concen: 4.39 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 98 Resp: 99622
Ion Ratio Lower Upper
98 100
100 62.1 52.1 78.1



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

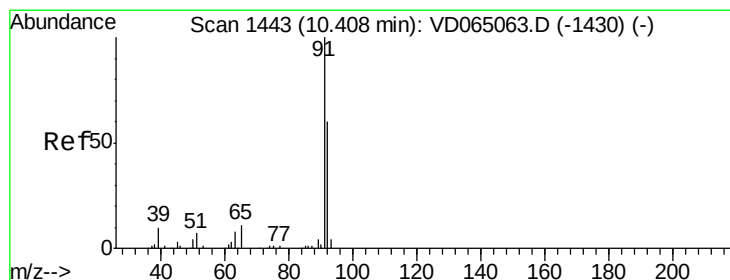
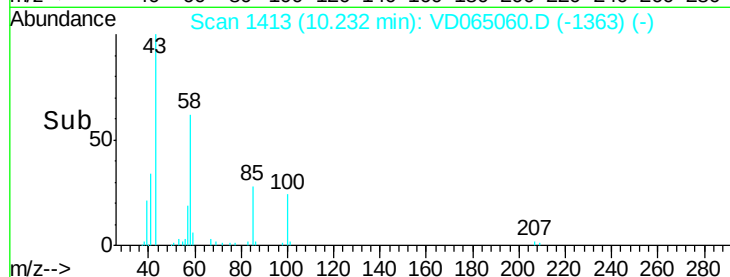
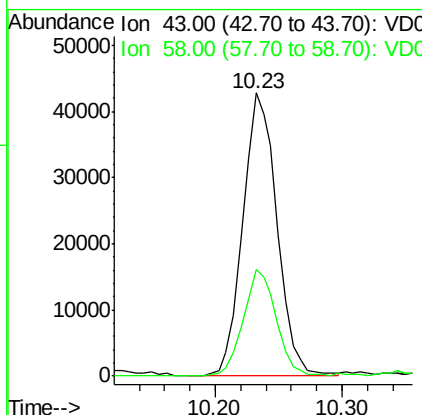
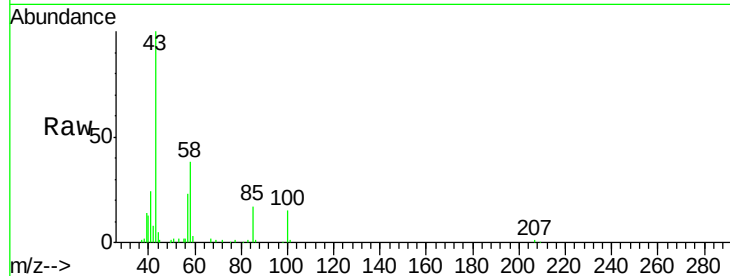




#51
4-Methyl-2-Pentanone
Concen: 22.51 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

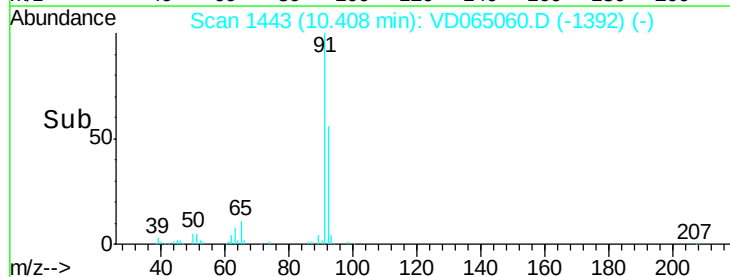
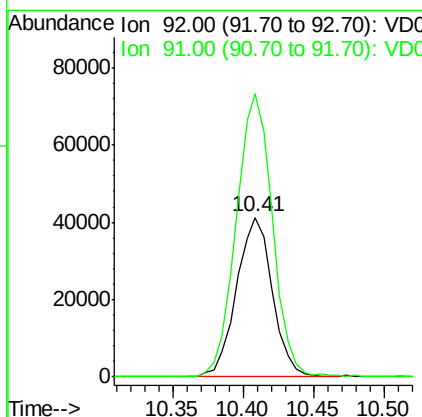
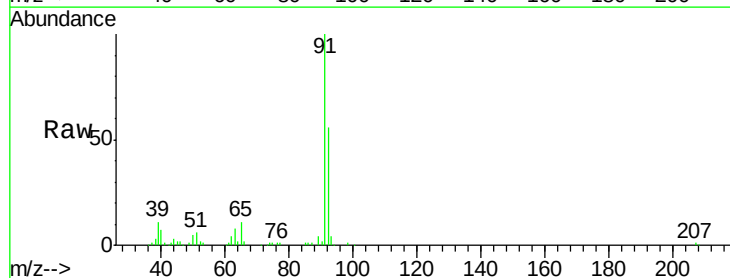
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

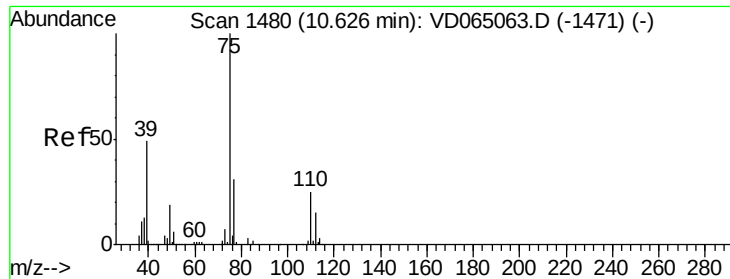
Tgt Ion: 43 Resp: 80086
Ion Ratio Lower Upper
43 100
58 36.4 30.2 45.2



#52
Toluene
Concen: 4.50 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 92 Resp: 73185
Ion Ratio Lower Upper
92 100
91 179.8 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 4.49 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

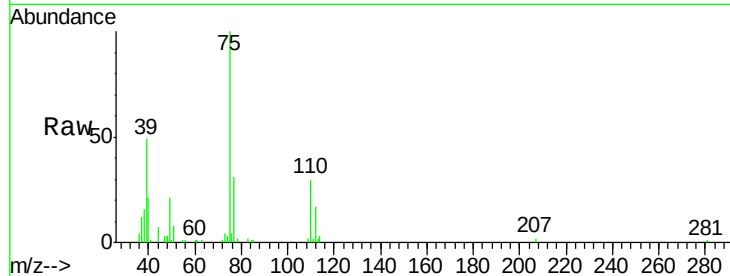
VSTDIC005

Tgt Ion: 75 Resp: 36919

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

25000

20000

15000

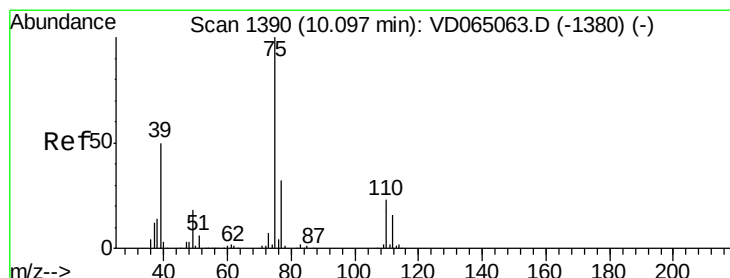
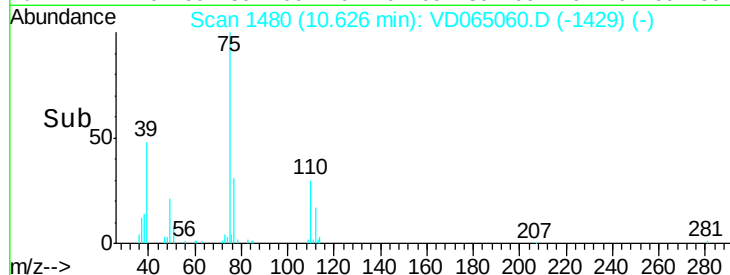
10000

5000

0

Time-->

10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 4.69 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

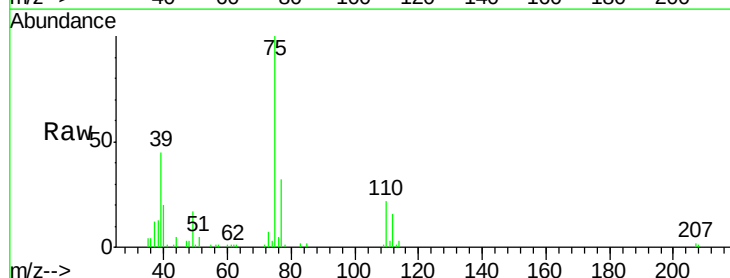
Tgt Ion: 75 Resp: 45376

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 44.9 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

10.09

30000

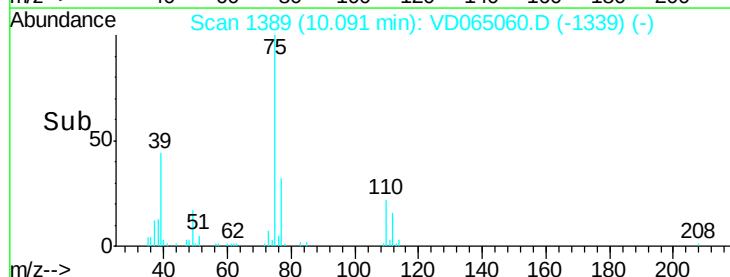
20000

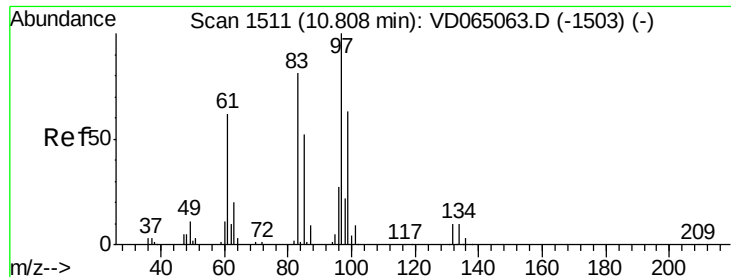
10000

0

Time-->

10.00 10.10 10.20

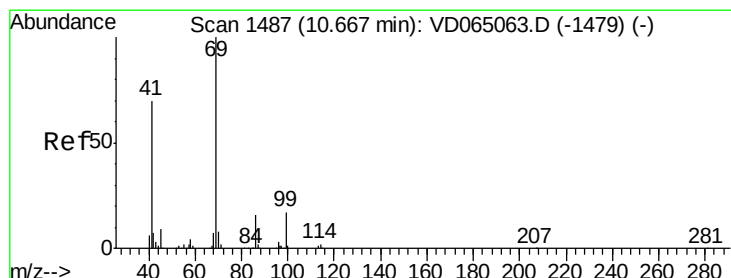
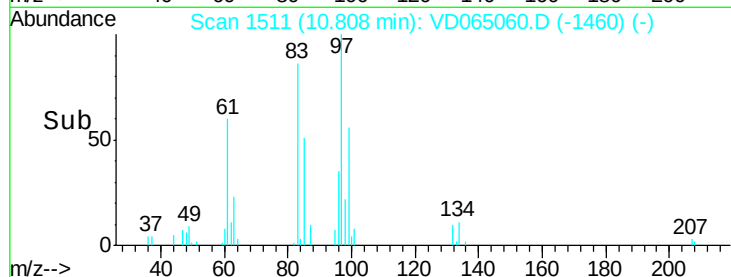
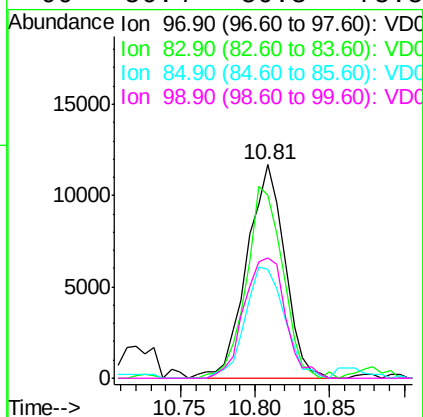
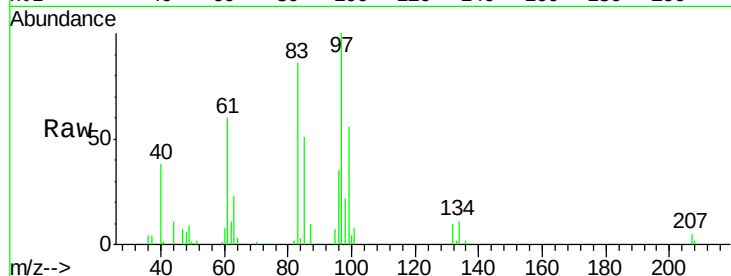




#55
 1,1,2-Trichloroethane
 Concen: 4.61 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

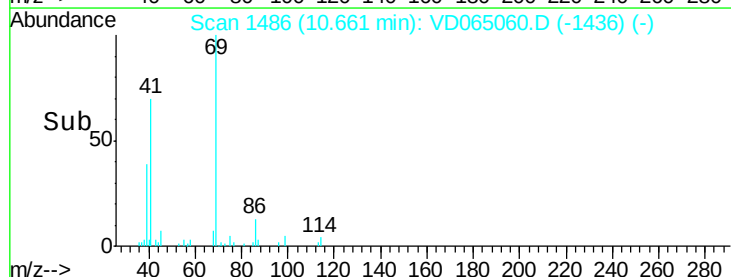
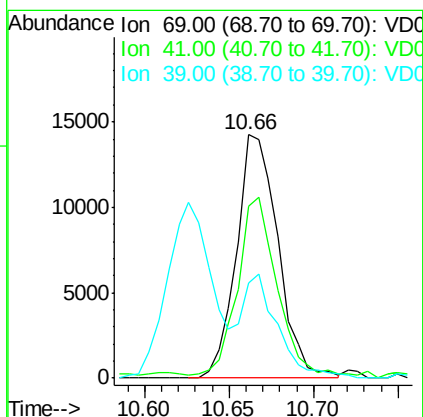
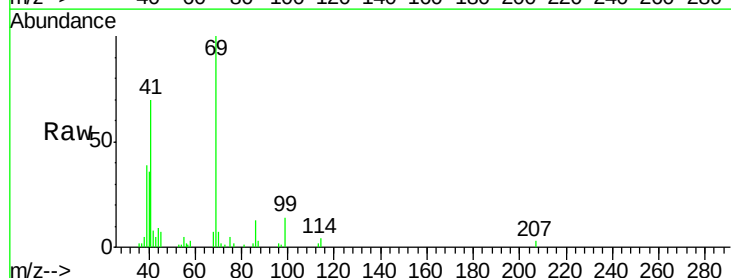
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

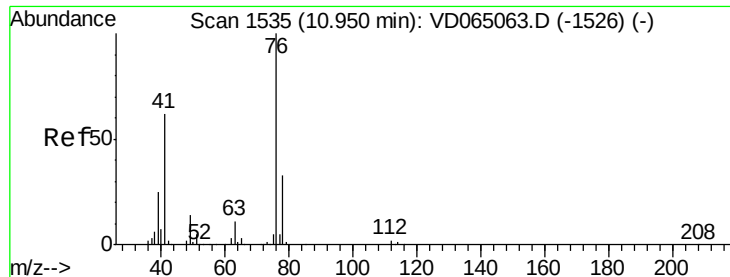
Tgt Ion:	97	Resp:	20576
Ion	Ratio	Lower	Upper
97	100		
83	85.9	64.8	97.2
85	51.2	41.2	61.8
99	56.4	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 4.57 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion:	69	Resp:	24451
Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.9	83.9
39	37.6	29.4	44.0

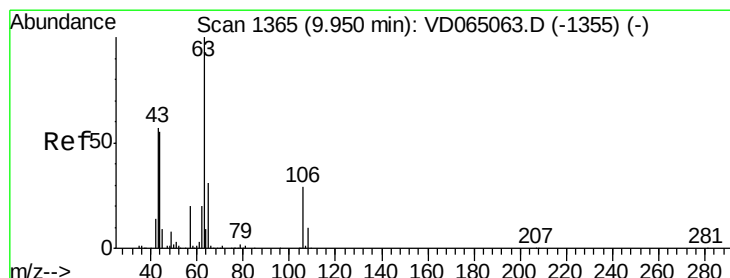
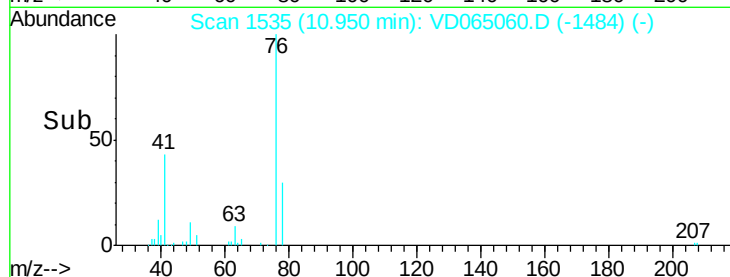
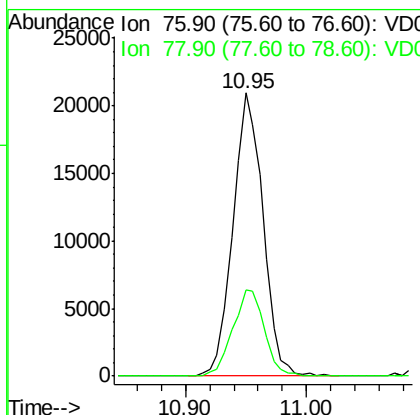
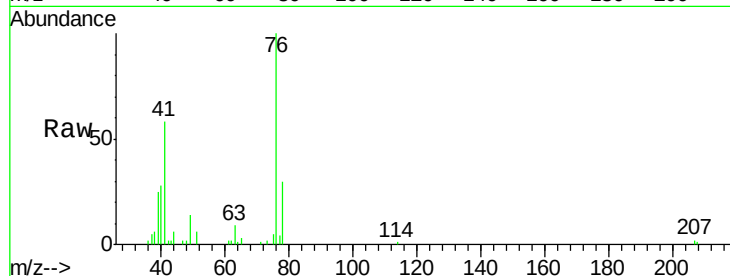




#57
 1,3-Dichloropropane
 Concen: 4.74 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

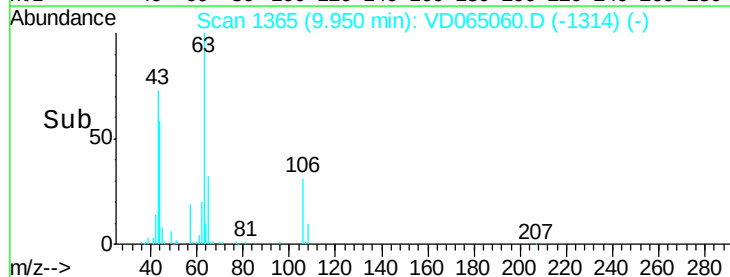
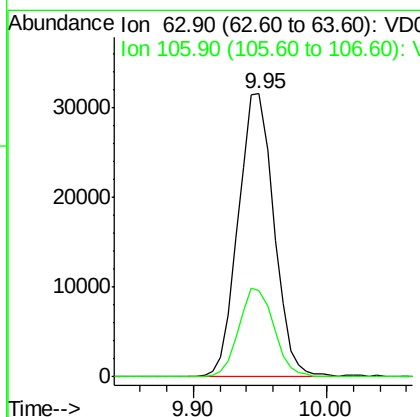
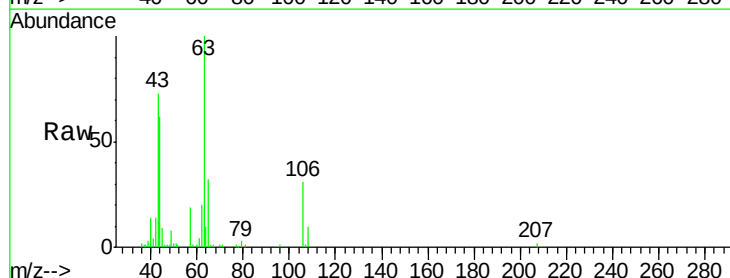
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

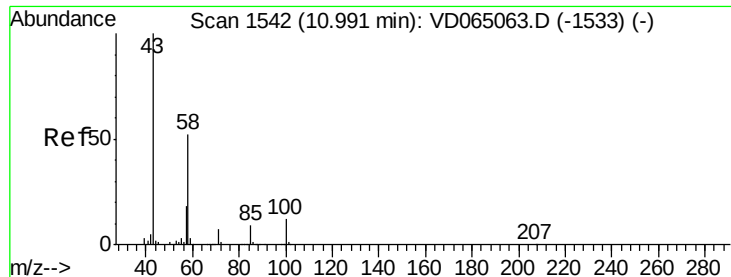
Tgt Ion: 76 Resp: 36345
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.45 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 63 Resp: 58650
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.3 34.9

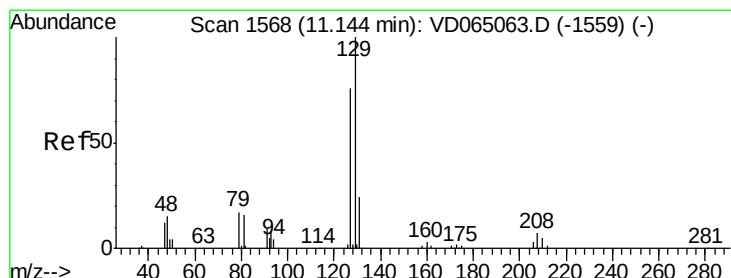
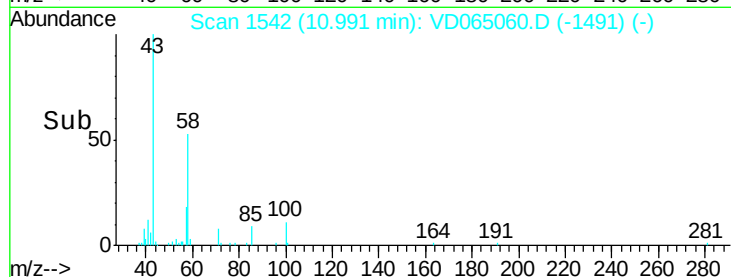
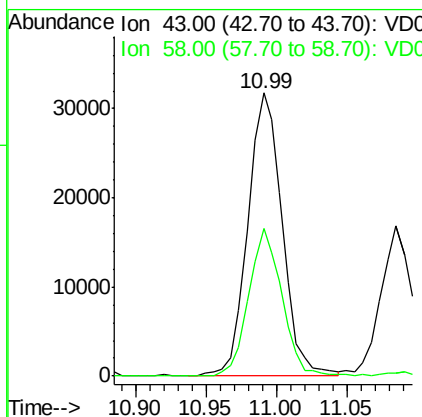
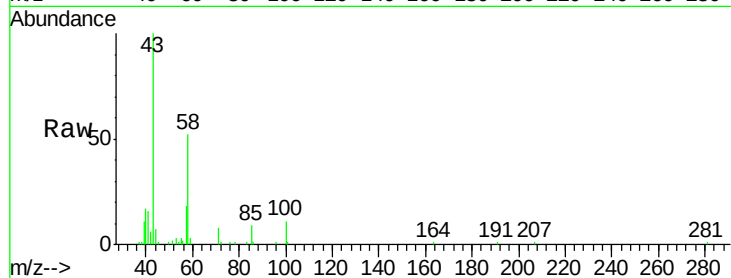




#59
2-Hexanone
Concen: 22.10 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

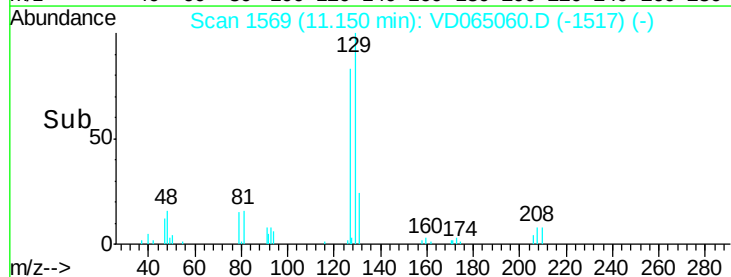
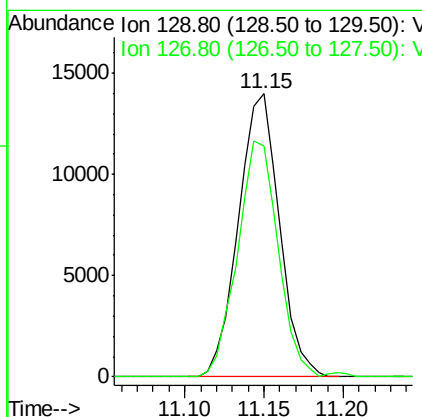
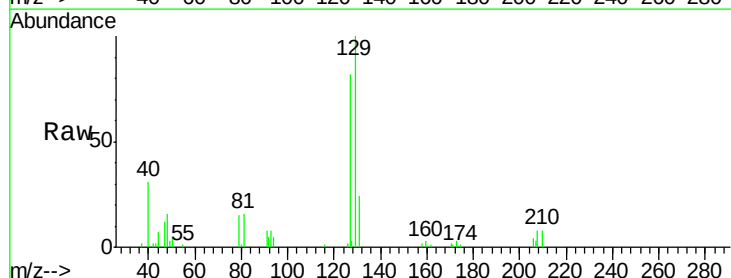
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

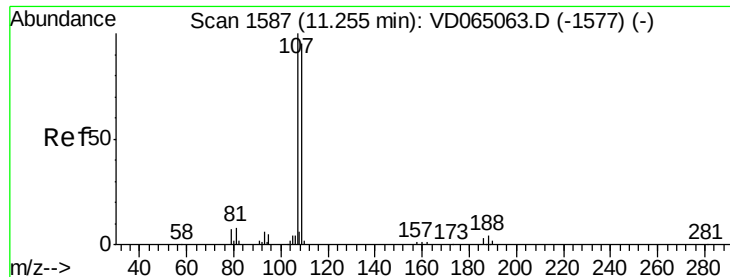
Tgt Ion: 43 Resp: 54418
Ion Ratio Lower Upper
43 100
58 50.4 26.2 78.6



#60
Dibromochloromethane
Concen: 4.22 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 129 Resp: 25105
Ion Ratio Lower Upper
129 100
127 82.5 38.3 114.9

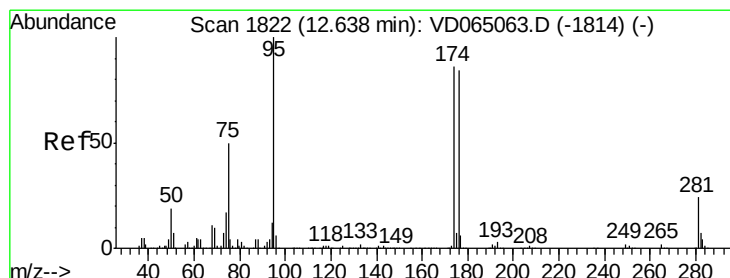
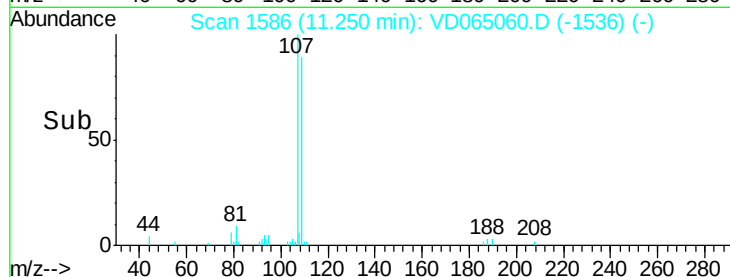
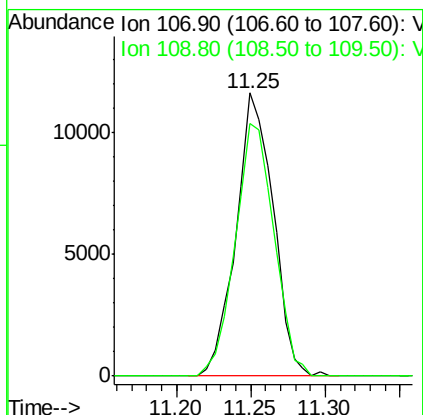
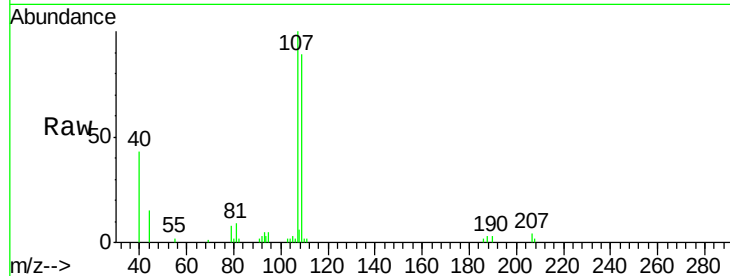




#61
 1,2-Dibromoethane
 Concen: 4.67 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

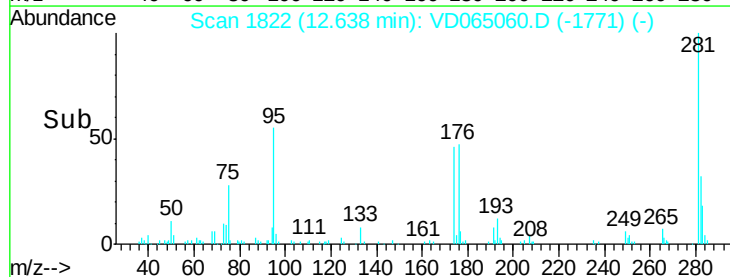
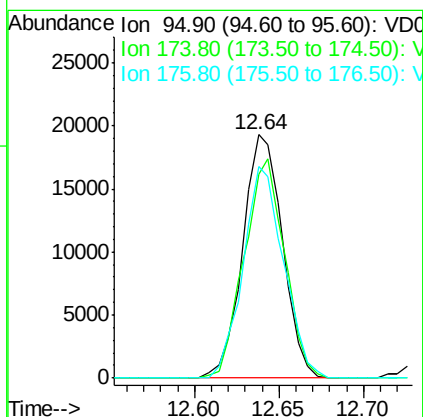
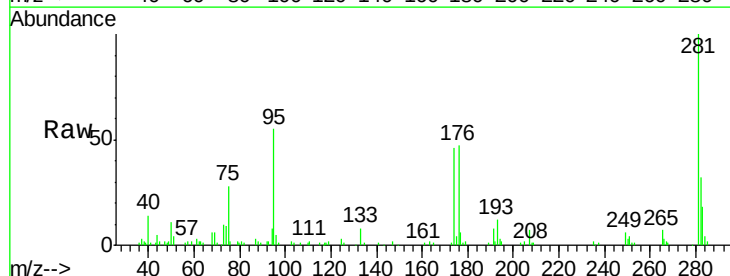
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

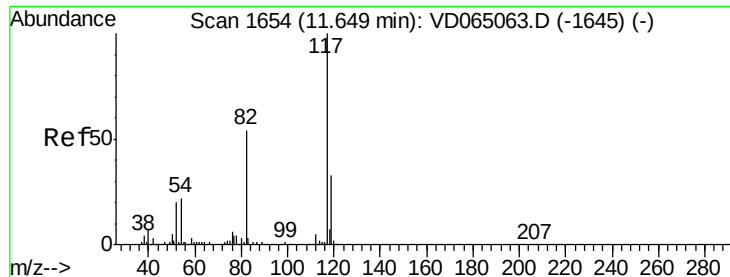
Tgt Ion: 107 Resp: 20114
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 4.51 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 95 Resp: 31605
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 180.0
 176 88.9 0.0 173.2

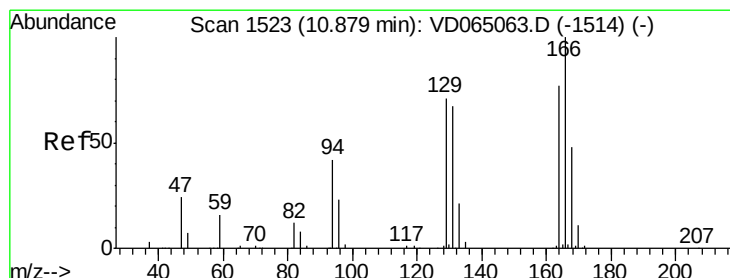
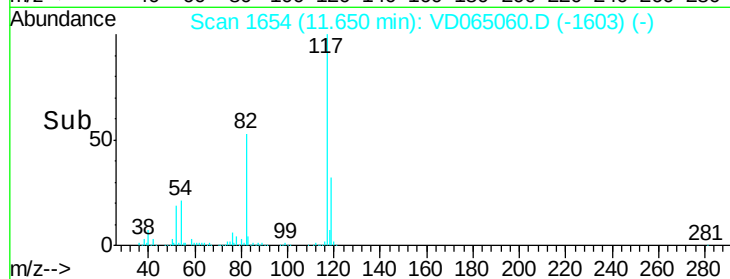
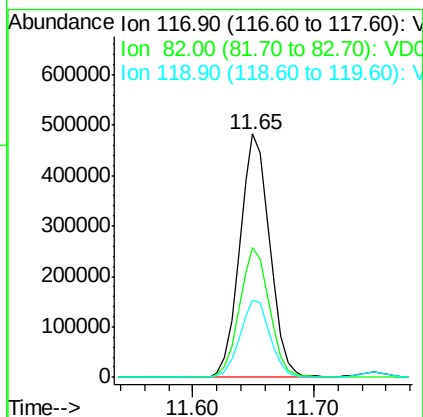
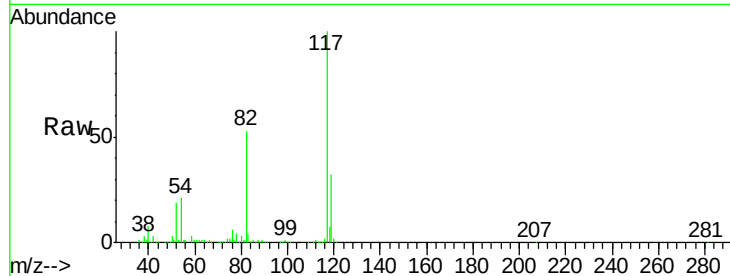




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

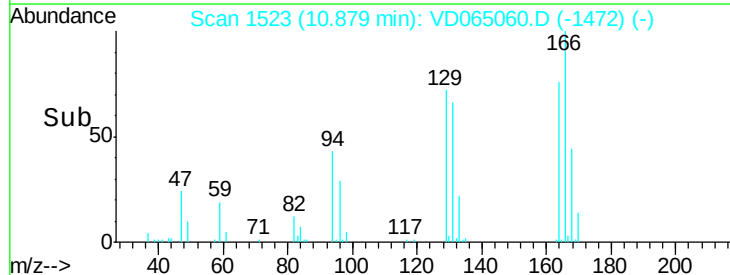
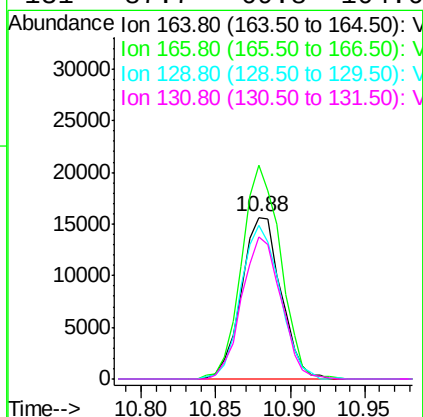
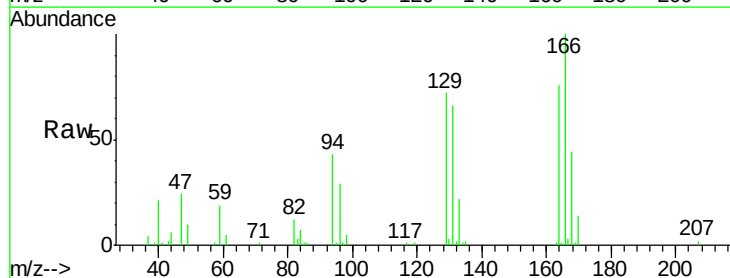
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

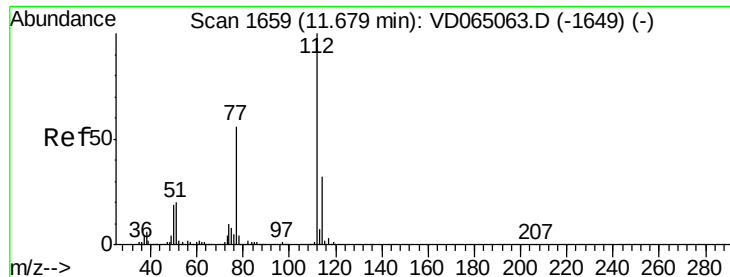
Tgt Ion:117 Resp: 834983
Ion Ratio Lower Upper
117 100
82 53.3 43.1 64.7
119 31.6 26.0 39.0



#64
Tetrachloroethene
Concen: 4.73 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion:164 Resp: 28663
Ion Ratio Lower Upper
164 100
166 132.1 103.5 155.3
129 95.1 73.3 109.9
131 87.7 69.8 104.6

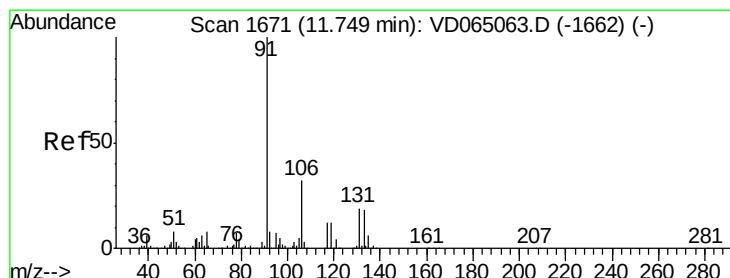
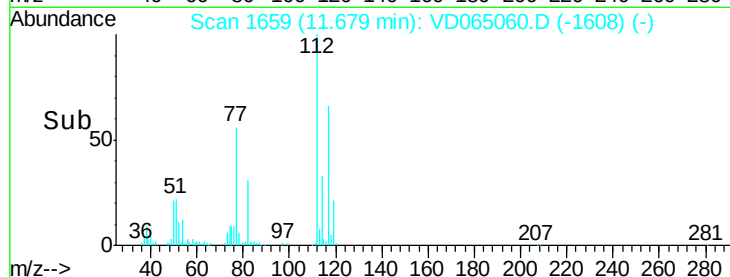
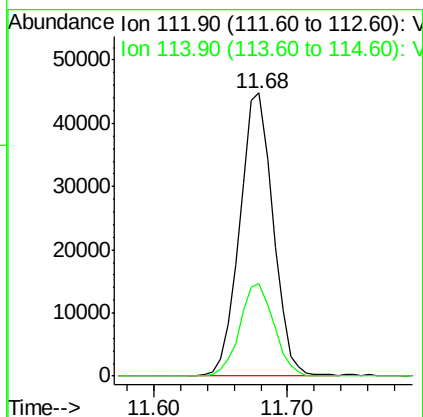
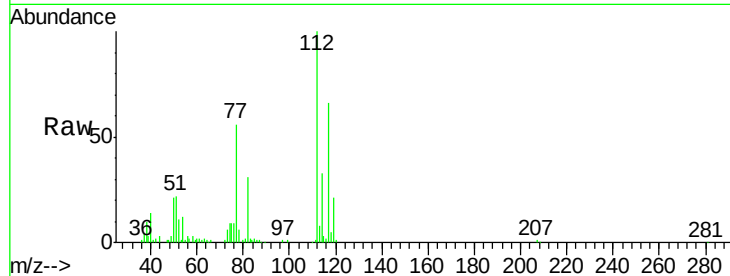




#65
Chlorobenzene
Concen: 4.56 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

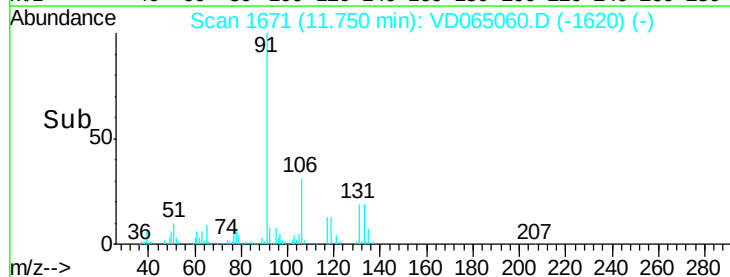
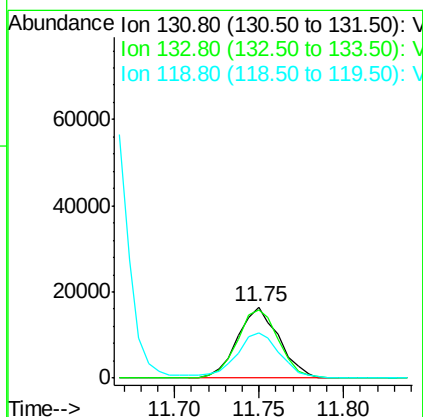
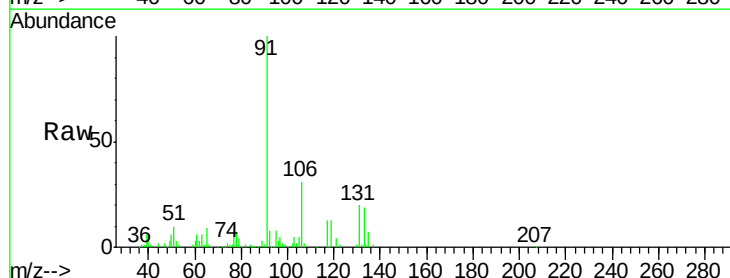
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

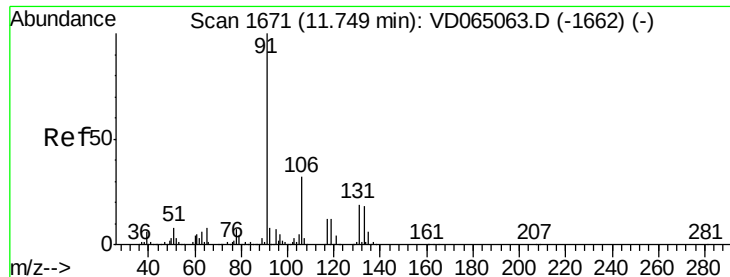
Tgt Ion:112 Resp: 77419
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.41 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion:131 Resp: 28073
Ion Ratio Lower Upper
131 100
133 97.9 47.7 143.1
119 68.0 31.3 93.8





#67

Ethyl Benzene

Concen: 4.66 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

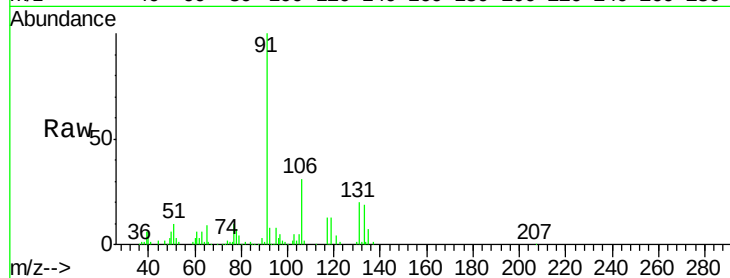
VSTDIC005

Tgt Ion: 91 Resp: 140336

Ion Ratio Lower Upper

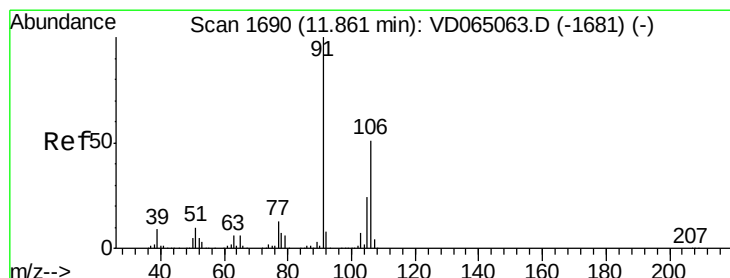
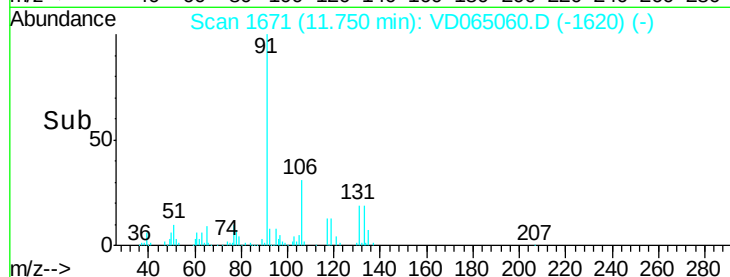
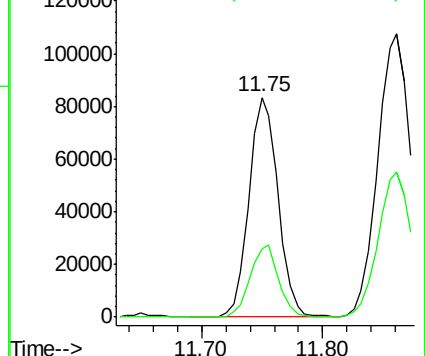
91 100

106 30.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 9.20 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065060.D

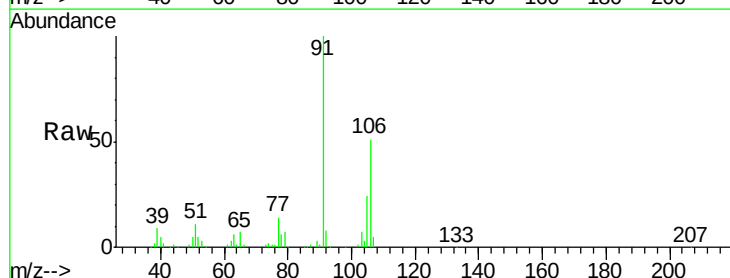
Acq: 05 Feb 2020 12:03

Tgt Ion: 106 Resp: 106605

Ion Ratio Lower Upper

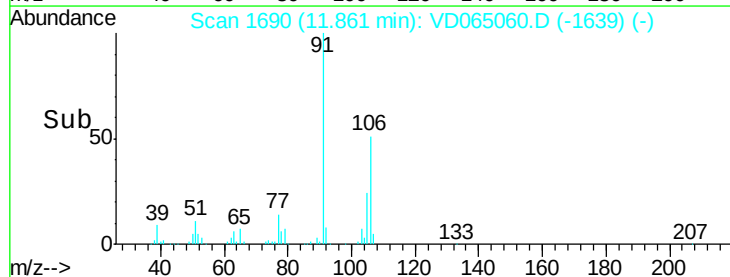
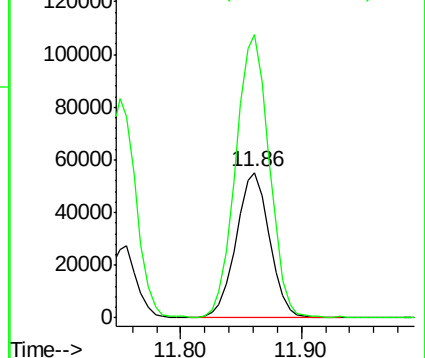
106 100

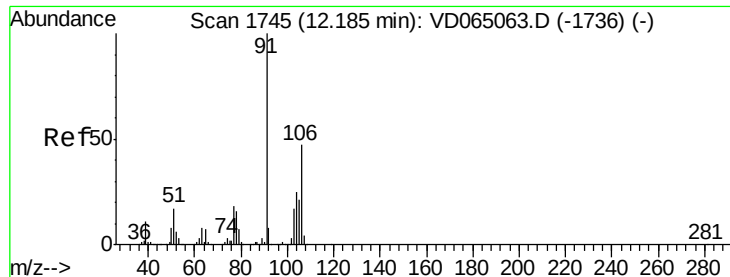
91 196.3 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

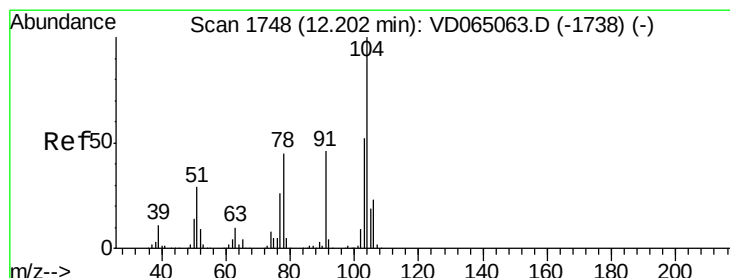
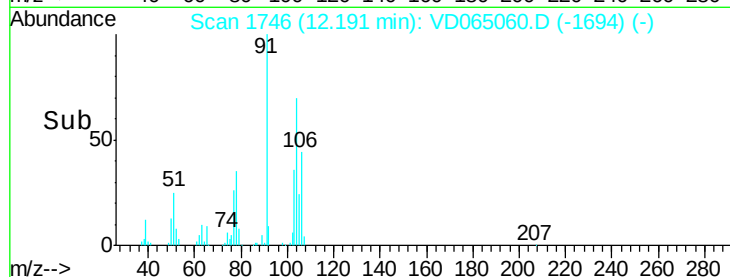
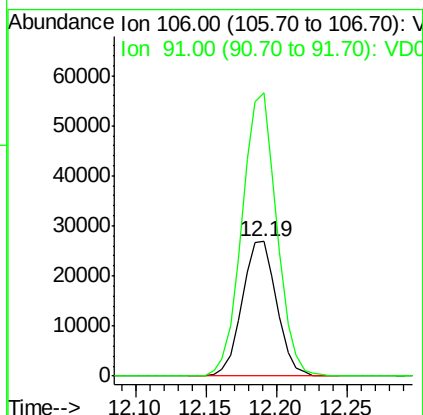
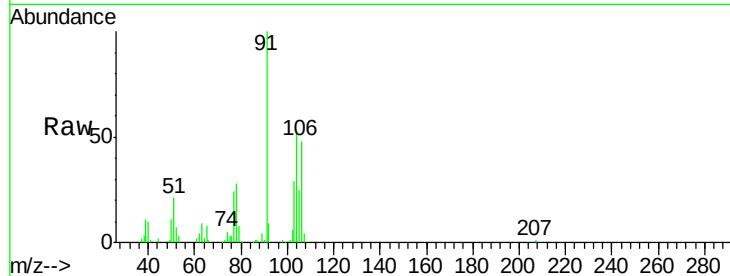




#69
o-Xylene
Concen: 4.49 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

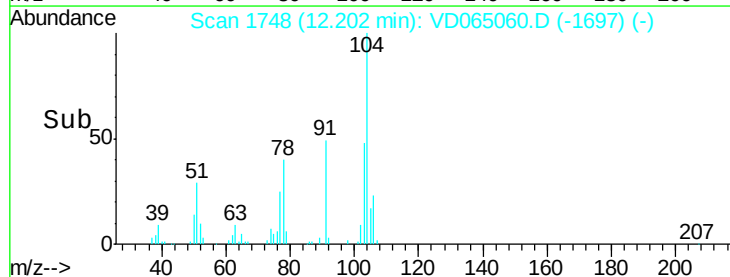
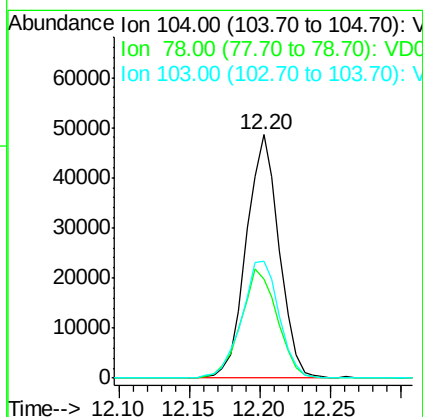
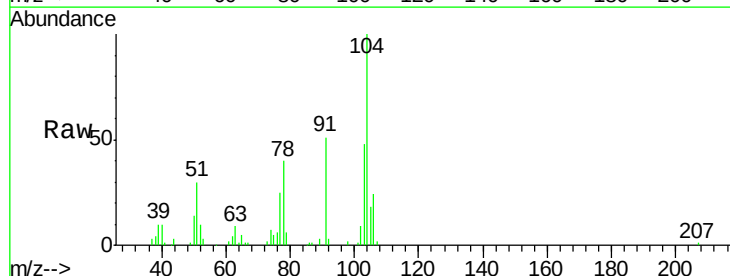
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

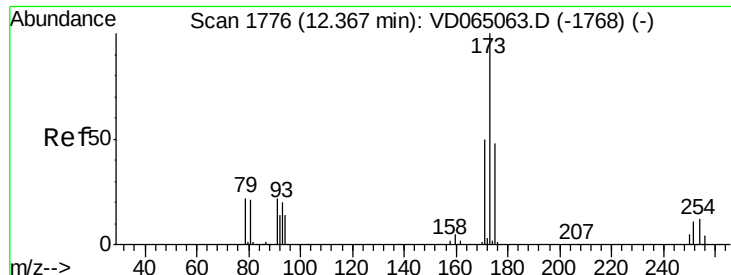
Tgt Ion:106 Resp: 46277
Ion Ratio Lower Upper
106 100
91 209.9 104.7 313.9



#70
Styrene
Concen: 4.35 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion:104 Resp: 79388
Ion Ratio Lower Upper
104 100
78 49.3 38.5 57.7
103 54.5 43.8 65.8





#71

Bromoform

Concen: 4.52 ug/l

RT: 12.37 min Scan# 1777

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

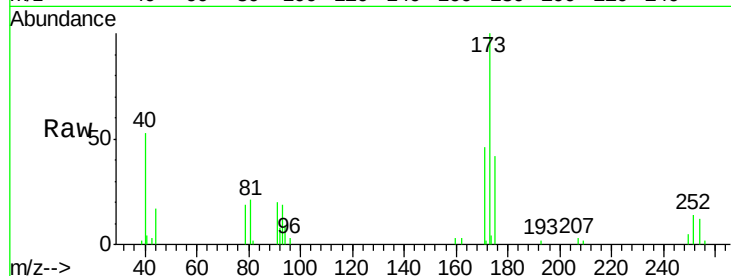
Tgt Ion:173 Resp: 15807

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

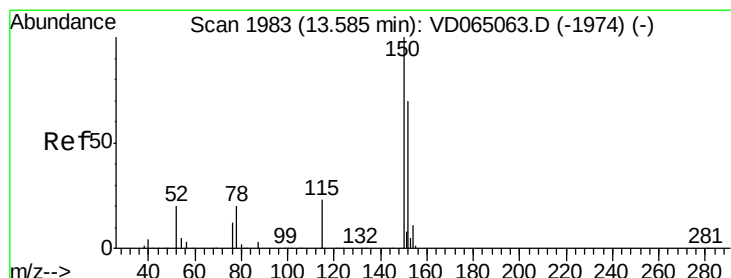
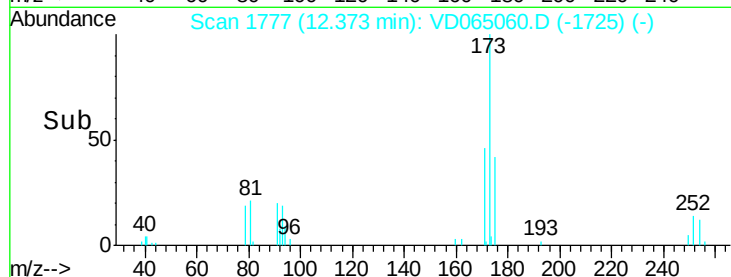
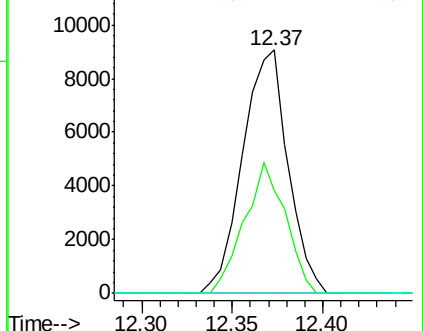
254 0.0 0.1 0.1#



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: VD065060.D

Acq: 05 Feb 2020 12:03

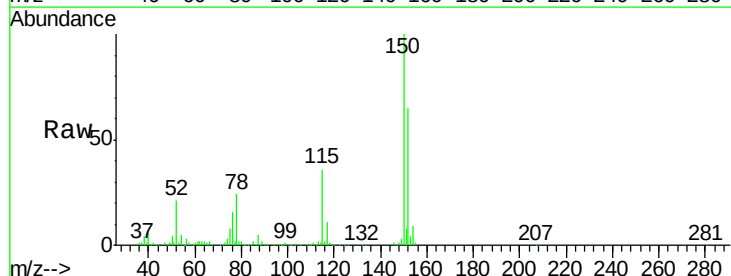
Tgt Ion:152 Resp: 401394

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

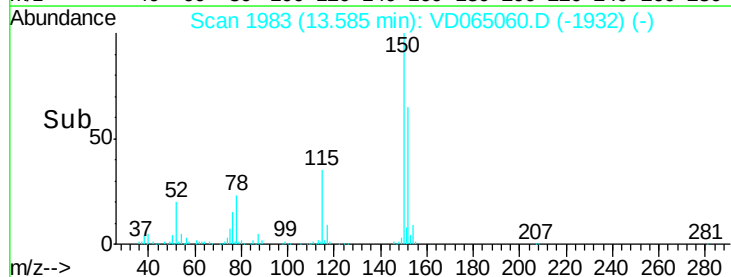
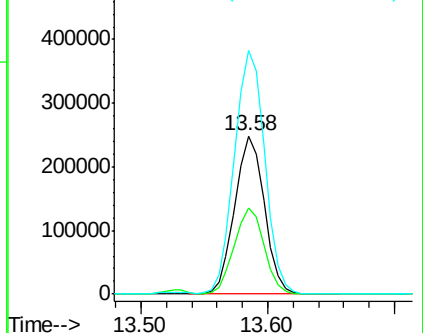
150 158.5 0.0 343.2

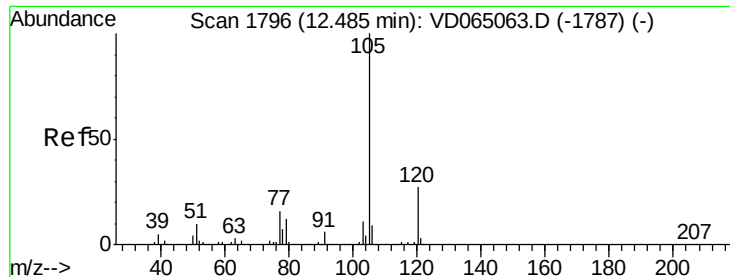


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.68 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

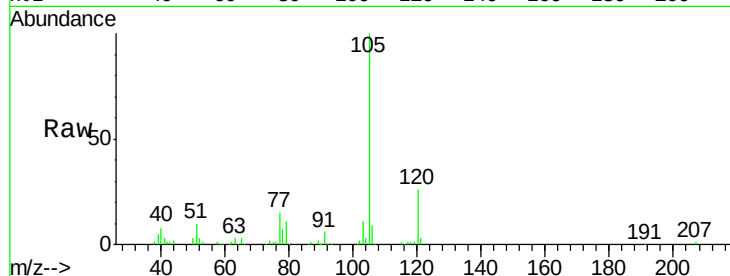
VSTDIC005

Tgt Ion: 105 Resp: 128631

Ion Ratio Lower Upper

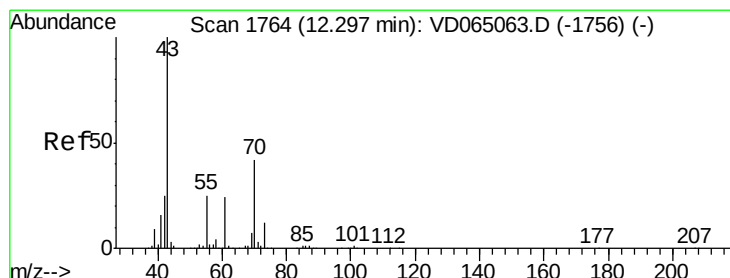
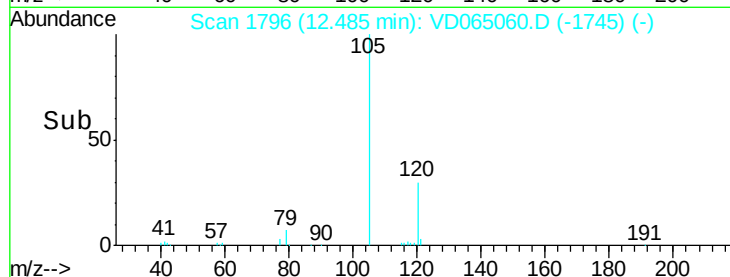
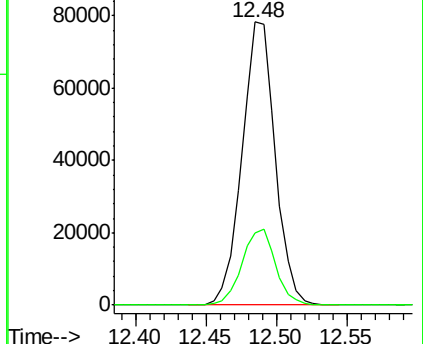
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.37 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Tgt Ion: 43 Resp: 26700

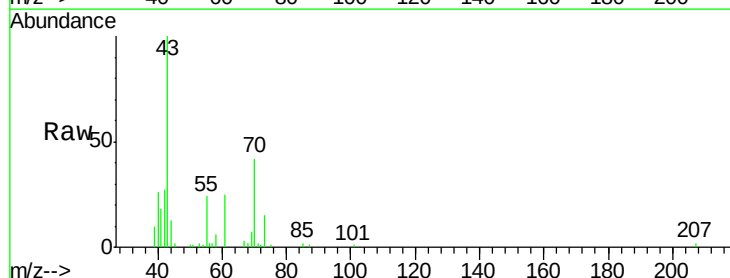
Ion Ratio Lower Upper

43 100

70 41.9 33.5 50.3

55 26.0 19.4 29.2

61 25.0 18.6 28.0

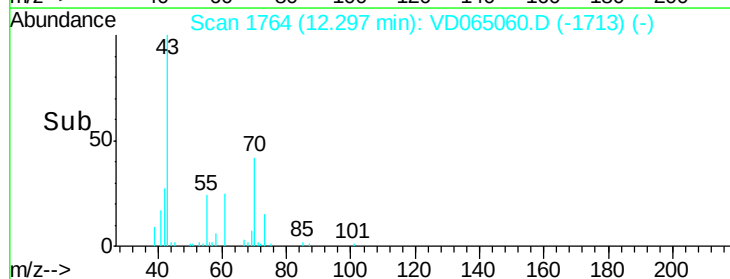
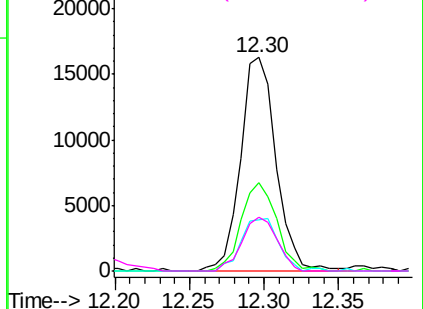


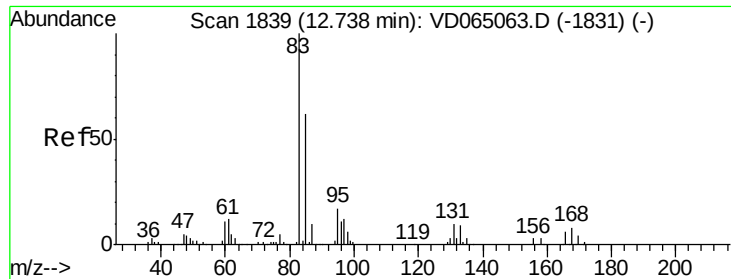
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.77 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

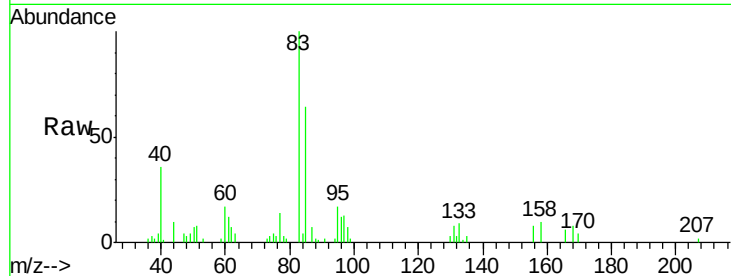
Tgt Ion: 83 Resp: 21799

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

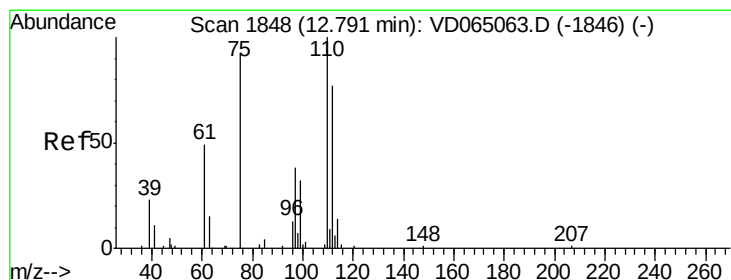
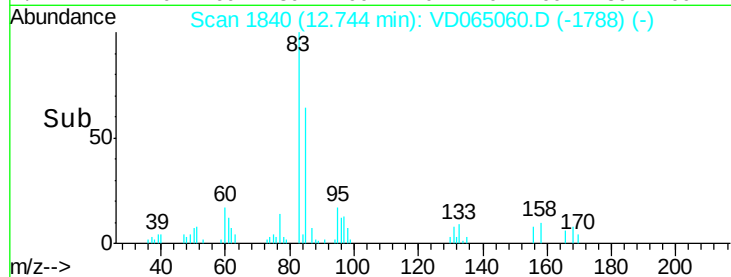
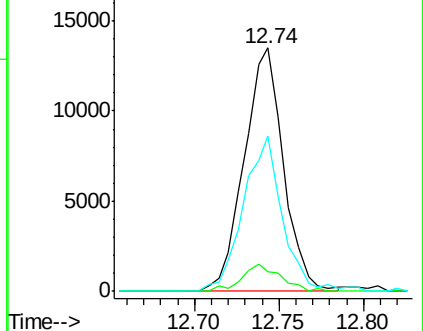
85 63.7 31.8 95.4



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: 8.78 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VD065060.D

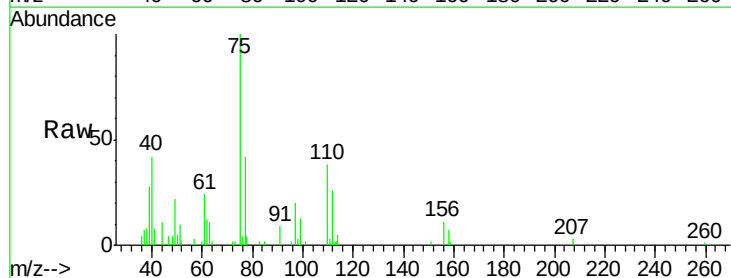
Acq: 05 Feb 2020 12:03

Tgt Ion: 75 Resp: 28506

Ion Ratio Lower Upper

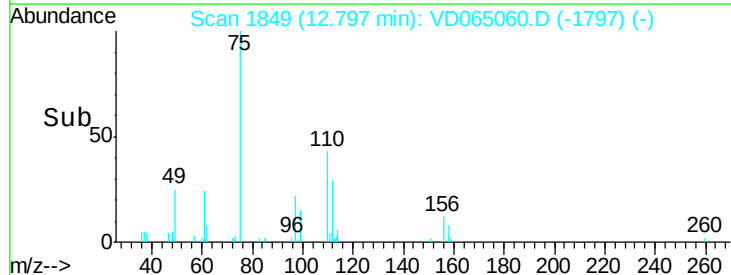
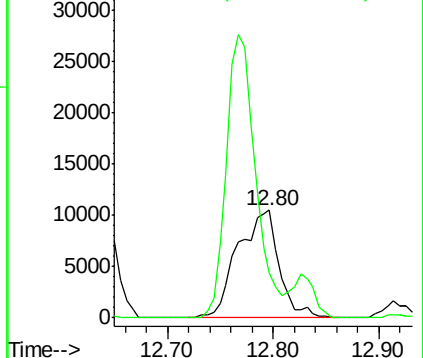
75 100

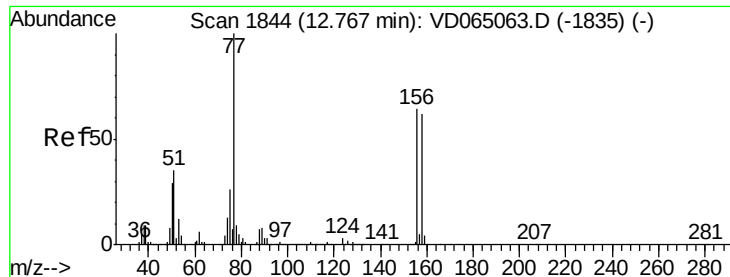
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.79 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

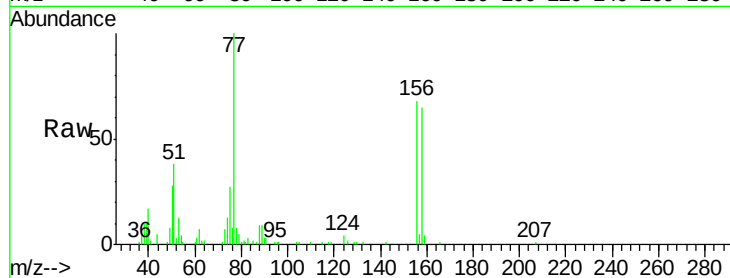
Tgt Ion:156 Resp: 32115

Ion Ratio Lower Upper

156 100

77 164.7 85.6 256.8

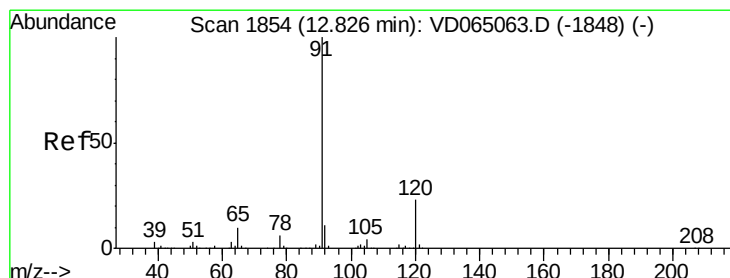
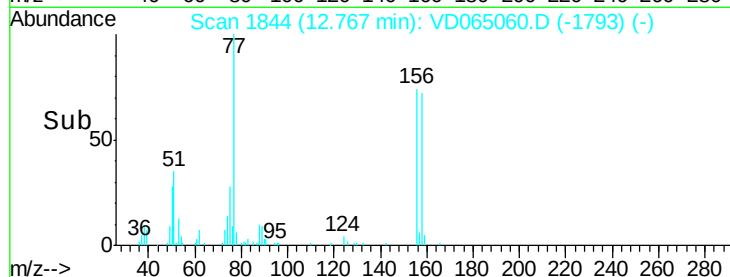
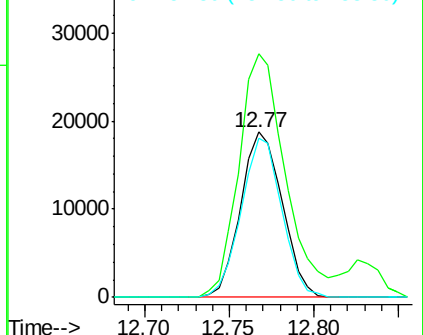
158 94.2 47.4 142.2



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: 4.67 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065060.D

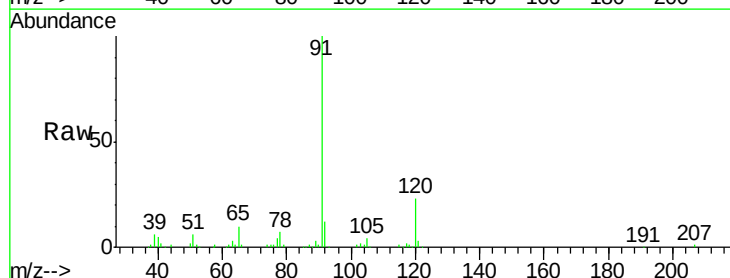
Acq: 05 Feb 2020 12:03

Tgt Ion: 91 Resp: 152404

Ion Ratio Lower Upper

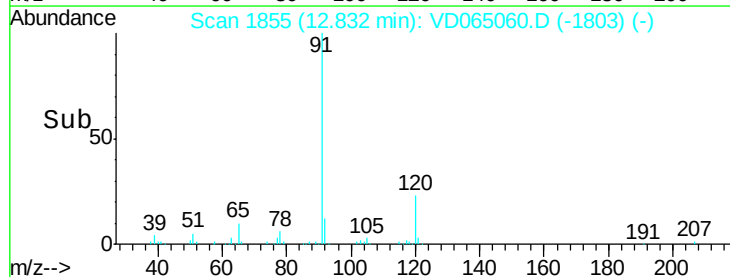
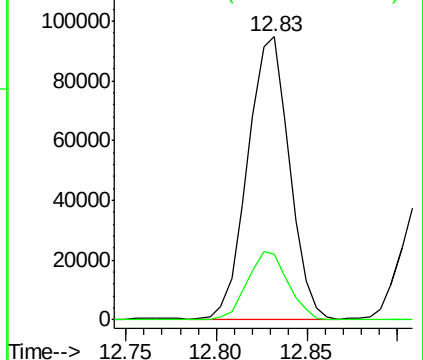
91 100

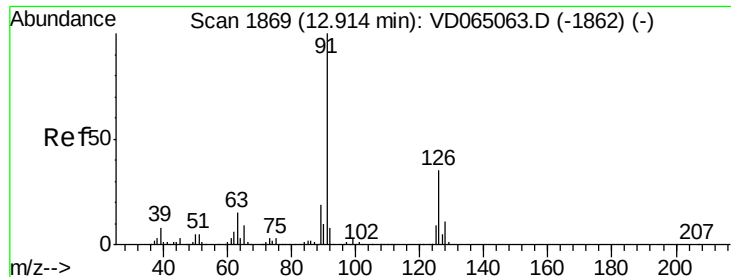
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

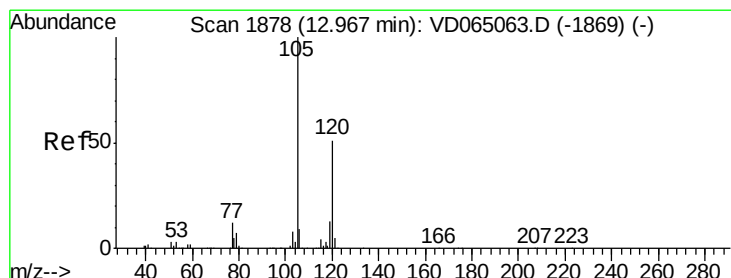
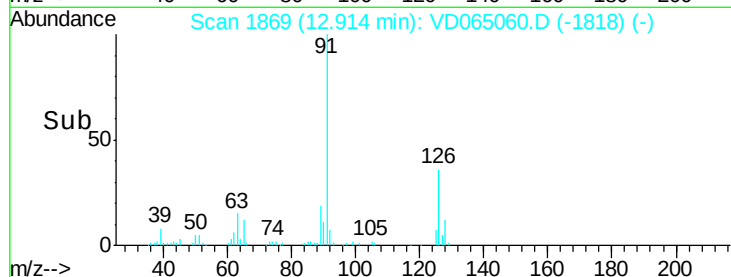
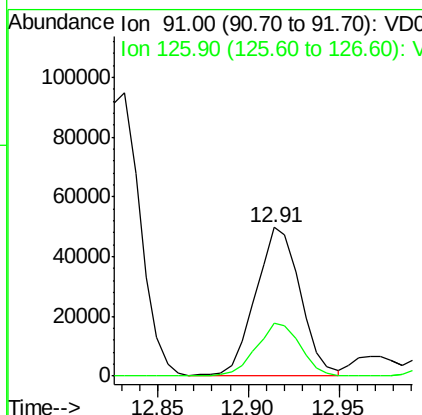
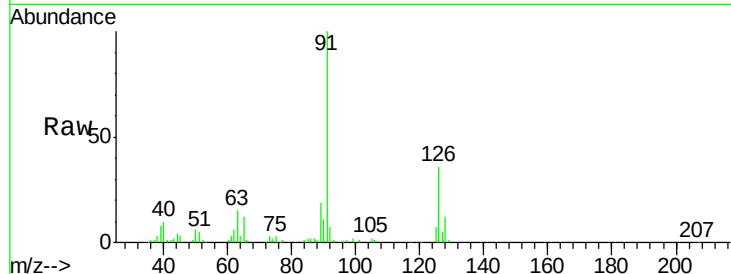




#79
 2-Chlorotoluene
 Concen: 4.79 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

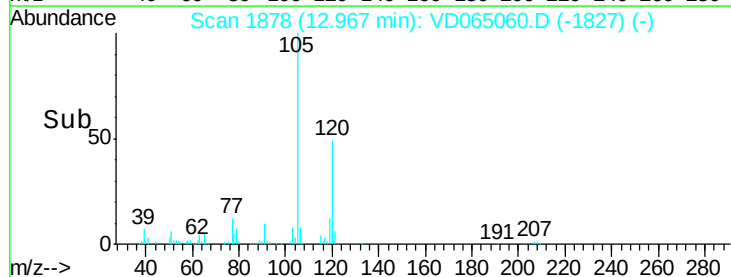
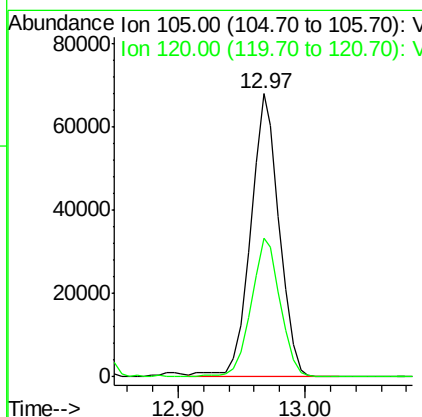
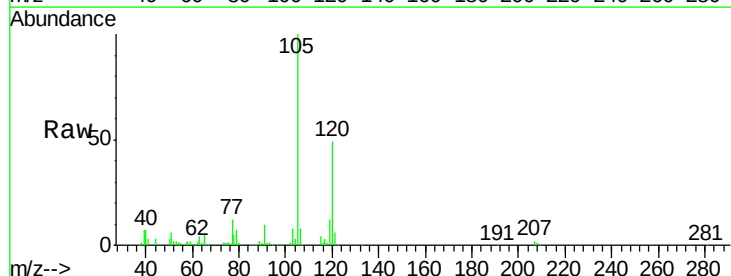
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

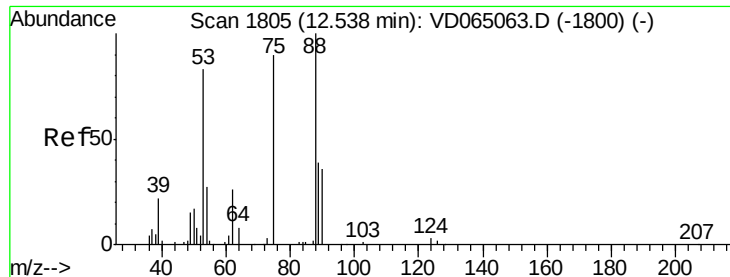
Tgt Ion: 91 Resp: 86009
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 105 Resp: 106400
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.1 75.4

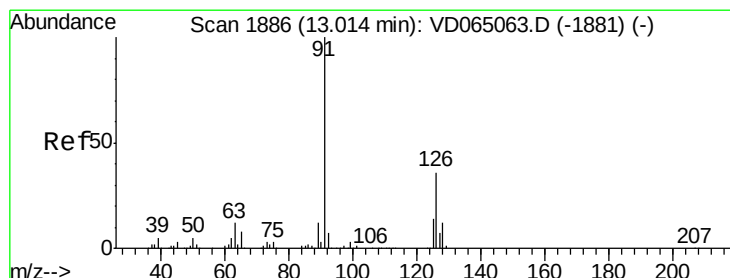
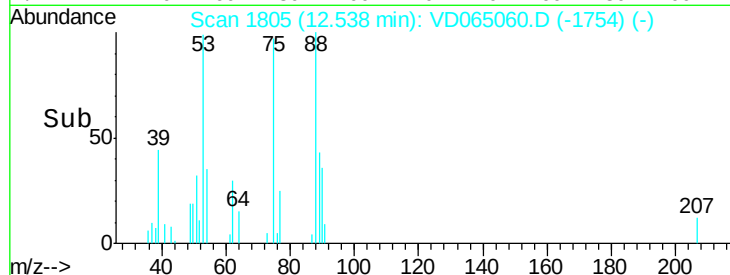
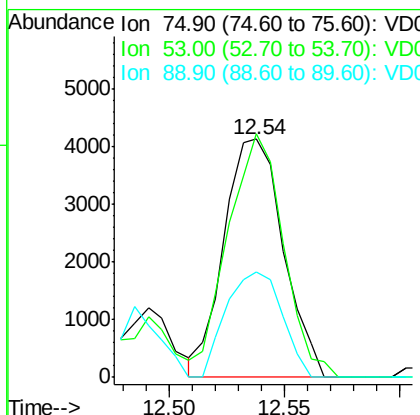
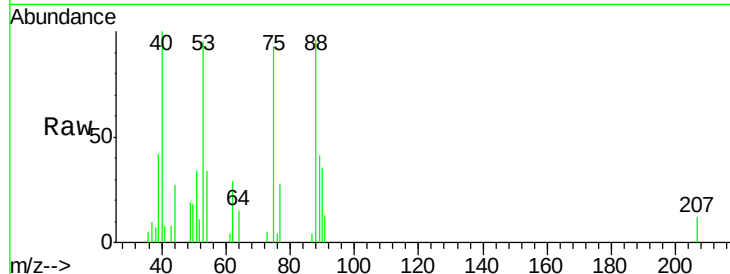




#81
trans-1,4-Dichloro-2-butene
Concen: 4.74 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

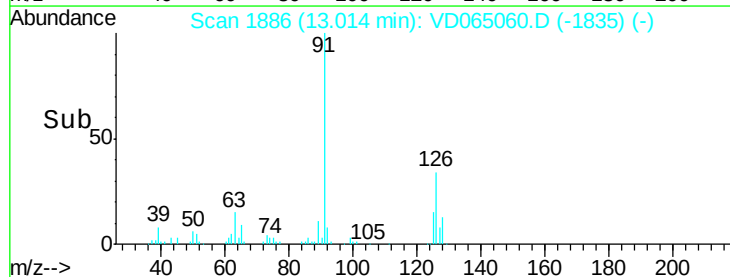
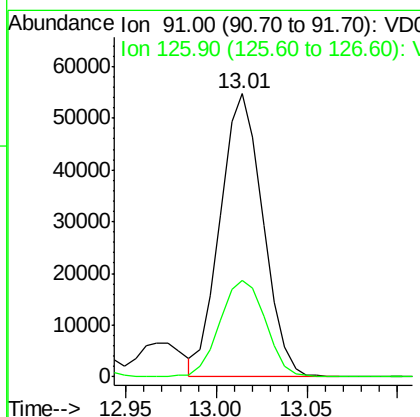
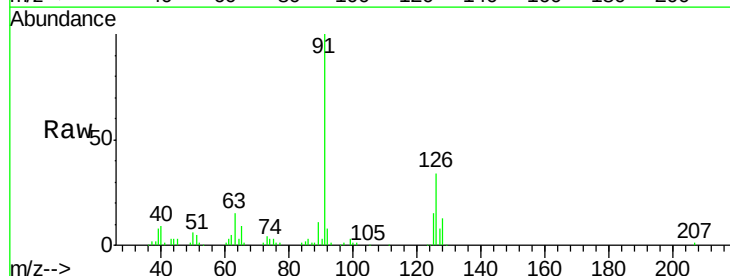
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

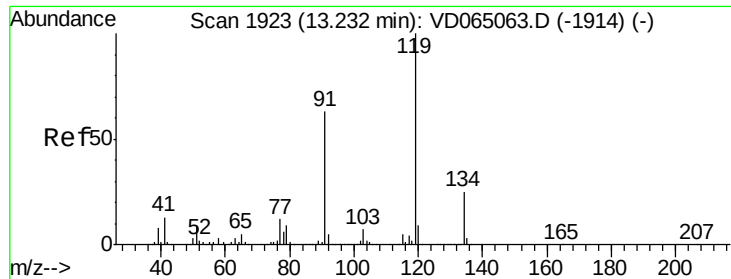
Tgt Ion: 75 Resp: 7374
Ion Ratio Lower Upper
75 100
53 95.7 78.5 117.7
89 41.6 37.0 55.4



#82
4-Chlorotoluene
Concen: 4.72 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065060.D
Acq: 05 Feb 2020 12:03

Tgt Ion: 91 Resp: 89712
Ion Ratio Lower Upper
91 100
126 36.2 17.5 52.5

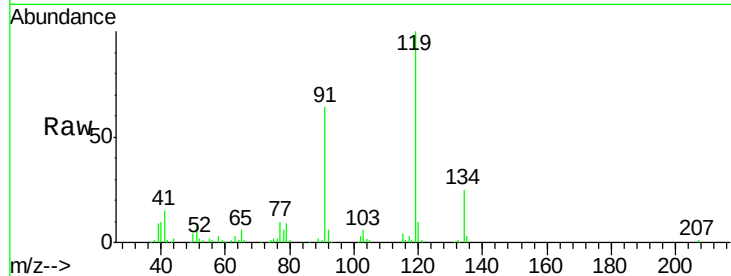




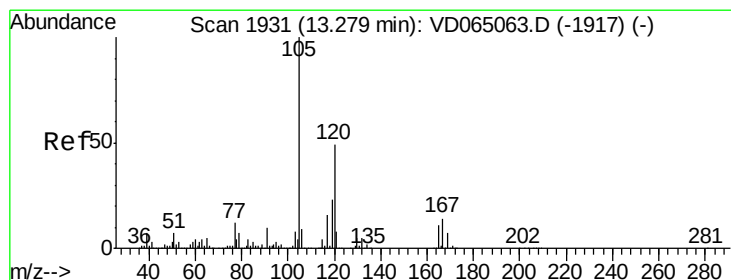
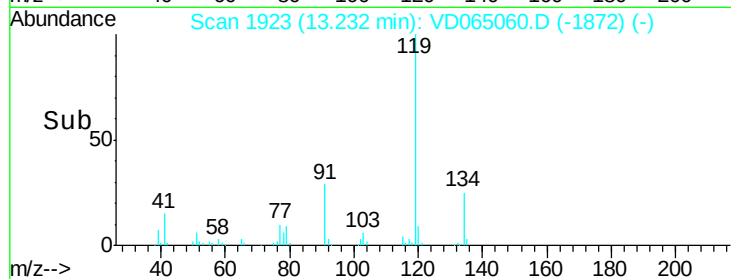
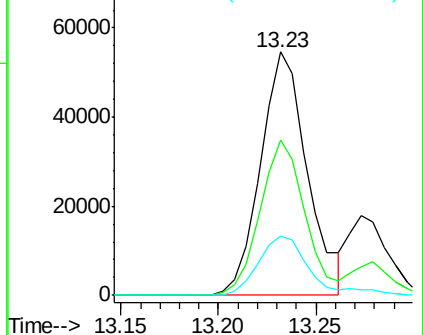
#83
 tert-Butylbenzene
 Concen: 4.76 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 90934
 Ion Ratio Lower Upper
 119 100
 91 61.0 32.3 96.9
 134 26.8 13.8 41.3

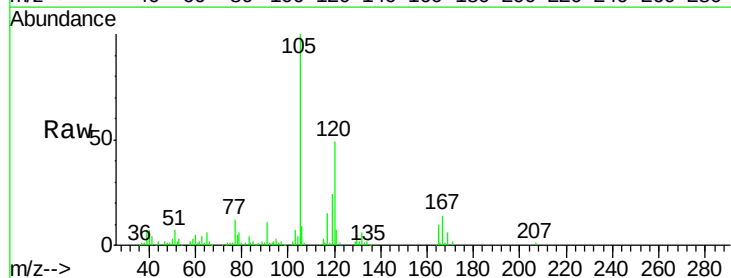


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

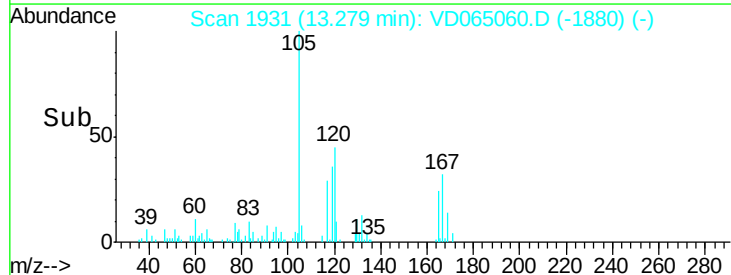
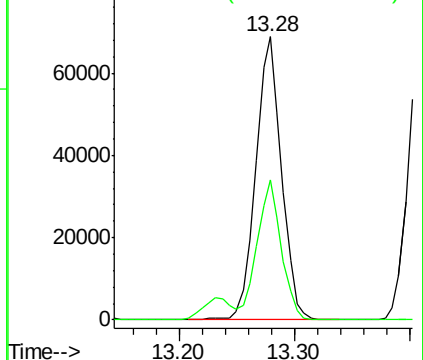


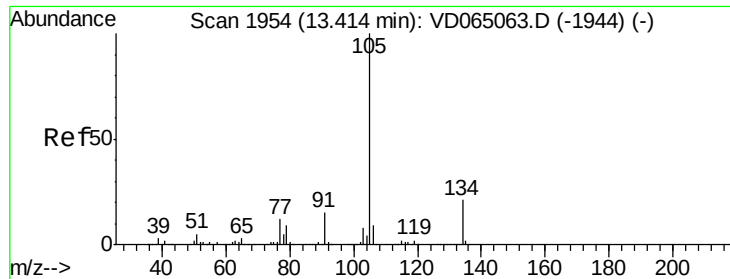
#84
 1,2,4-Trimethylbenzene
 Concen: 4.69 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion:105 Resp: 106574
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.55 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

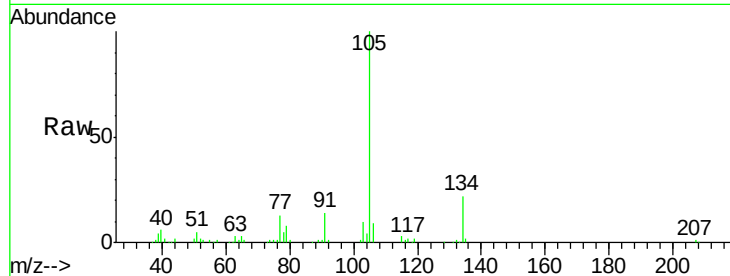
VSTDIC005

Tgt Ion:105 Resp: 123455

Ion Ratio Lower Upper

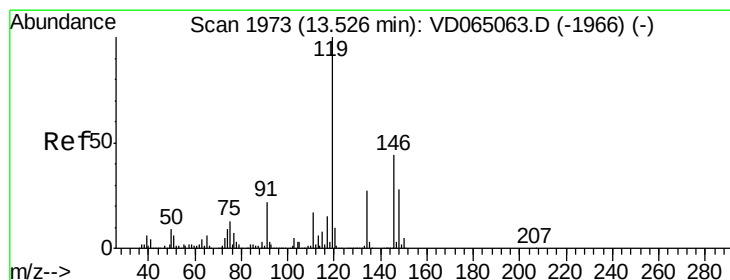
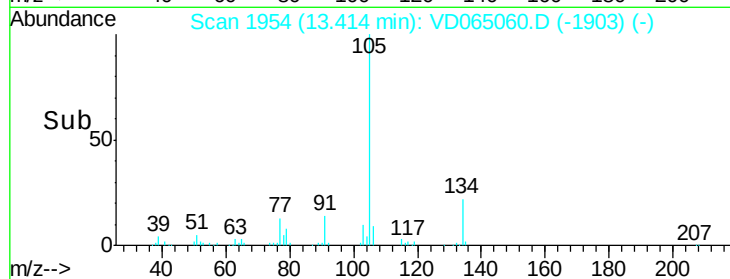
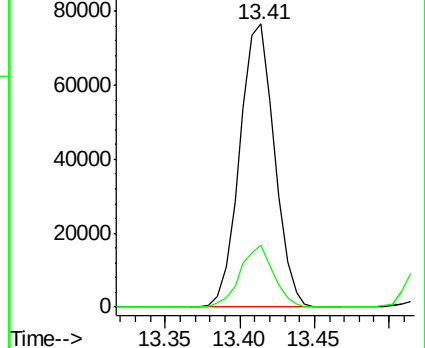
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.53 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

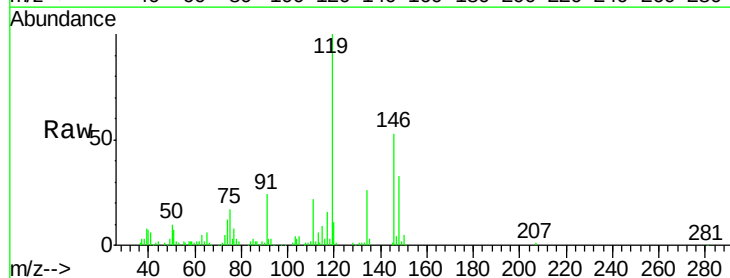
Tgt Ion:119 Resp: 114505

Ion Ratio Lower Upper

119 100

134 25.4 13.5 40.5

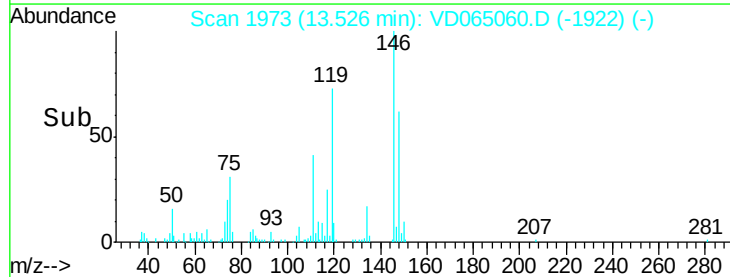
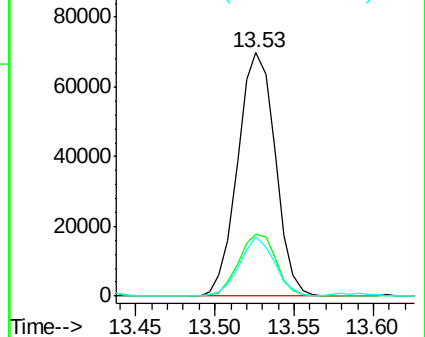
91 23.2 11.3 33.9

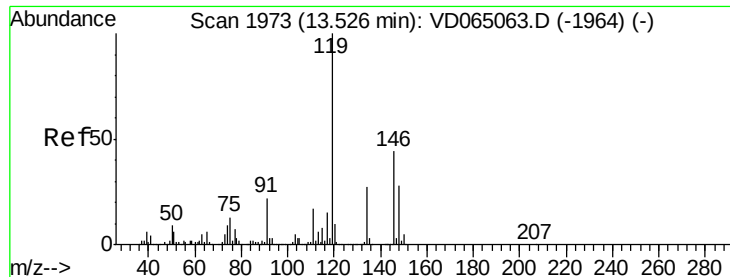


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

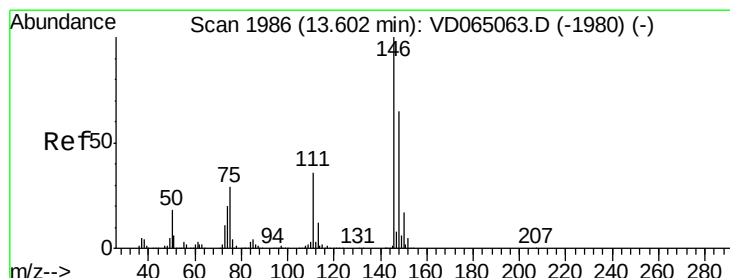
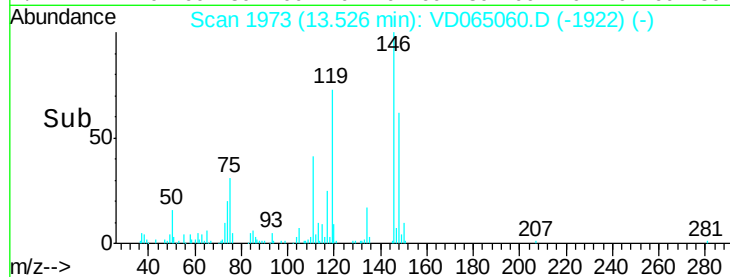
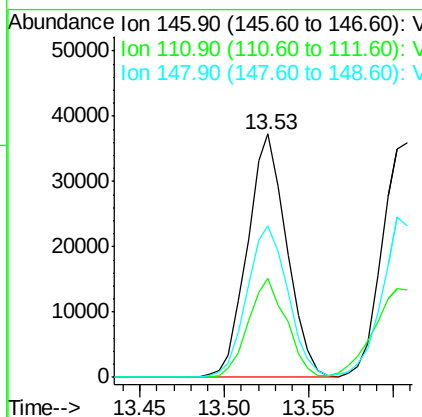
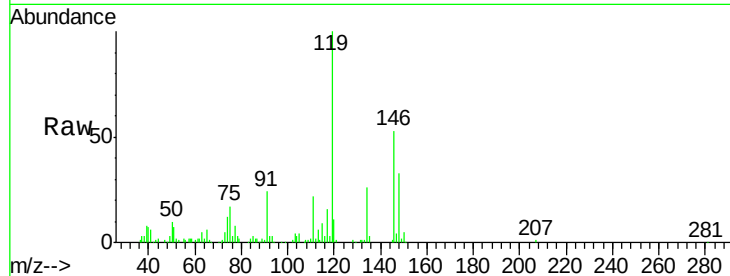




#87
 1,3-Dichlorobenzene
 Concen: 4.70 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

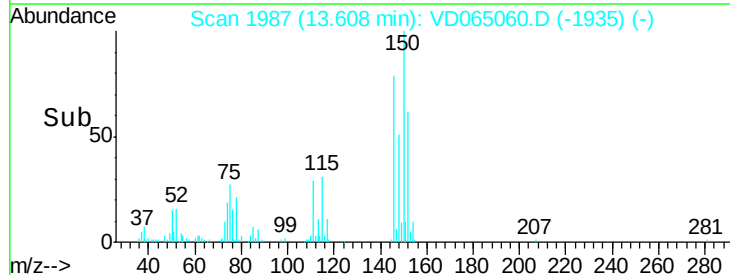
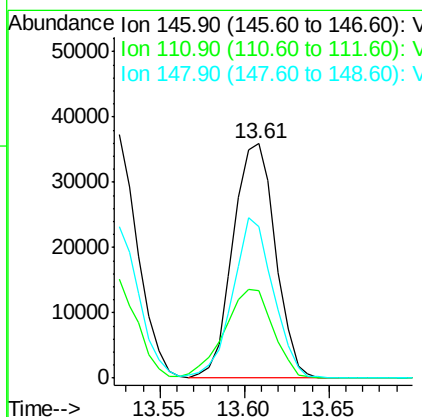
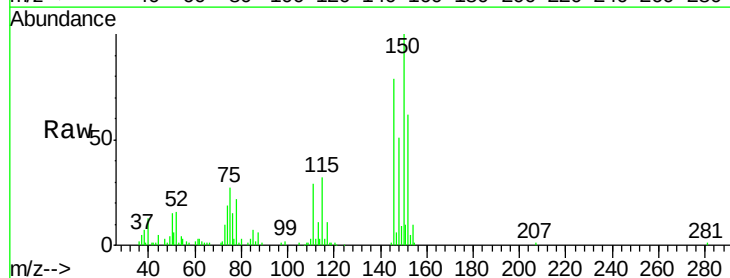
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

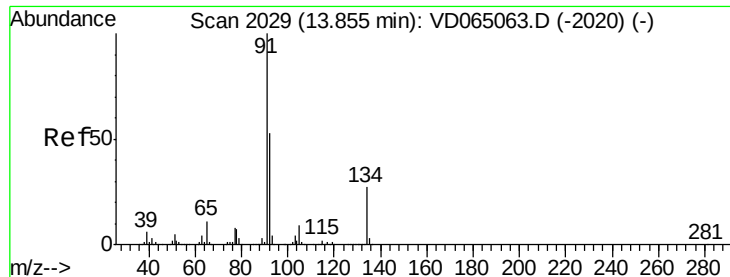
Tgt Ion:146 Resp: 60328
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.4
 148 64.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 4.93 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion:146 Resp: 62841
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.5 55.5
 148 65.6 32.7 98.1





#89

n-Butylbenzene

Concen: 4.61 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

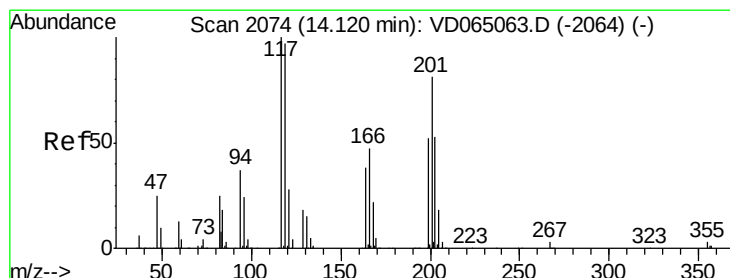
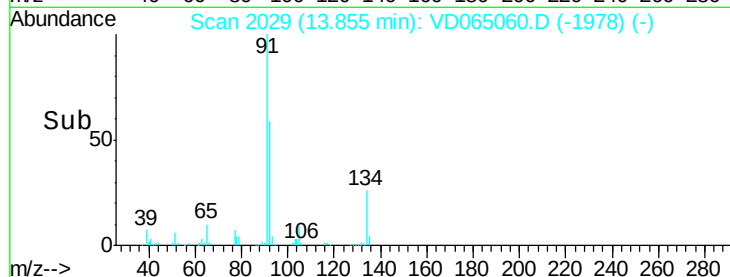
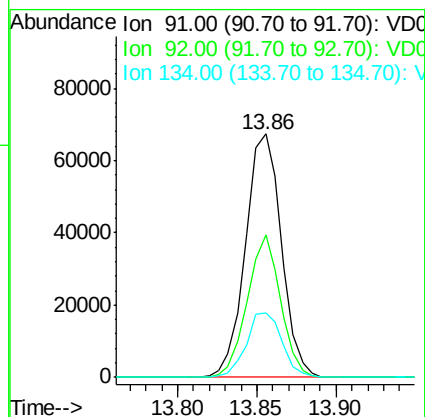
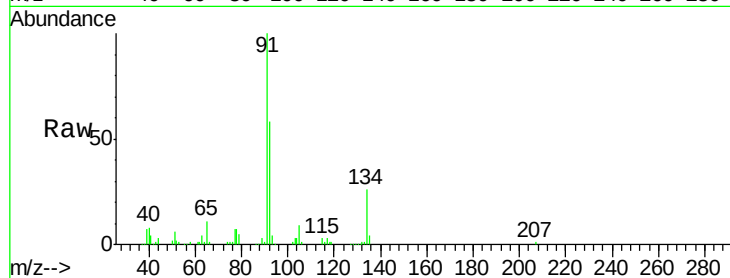
Tgt Ion: 91 Resp: 106153

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.1

134 26.5 13.4 40.2



#90

Hexachloroethane

Concen: 4.74 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065060.D

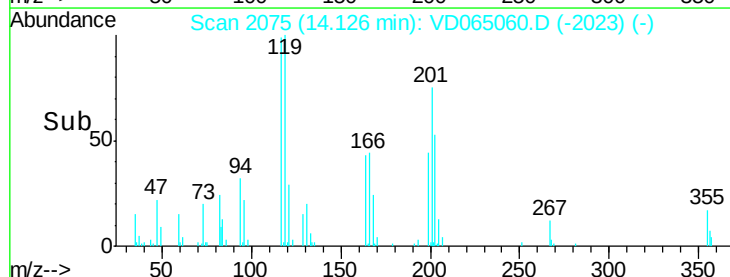
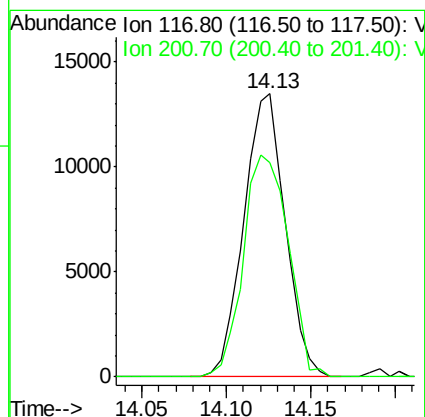
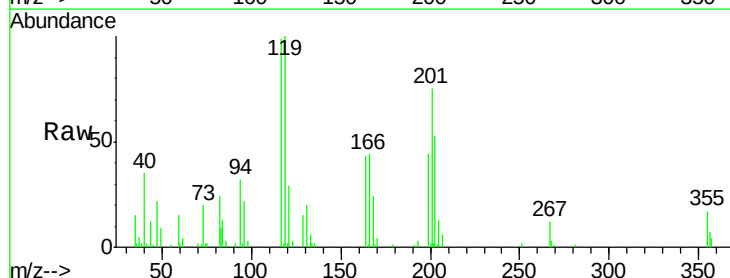
Acq: 05 Feb 2020 12:03

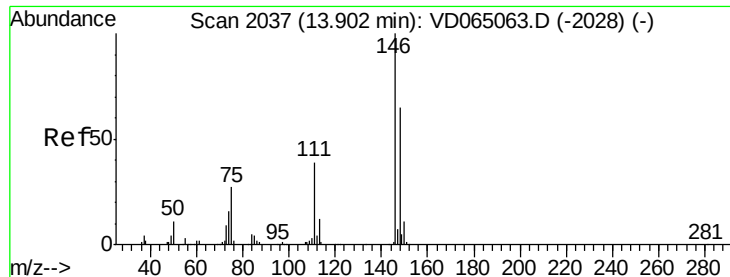
Tgt Ion: 117 Resp: 23038

Ion Ratio Lower Upper

117 100

201 85.1 42.5 127.6

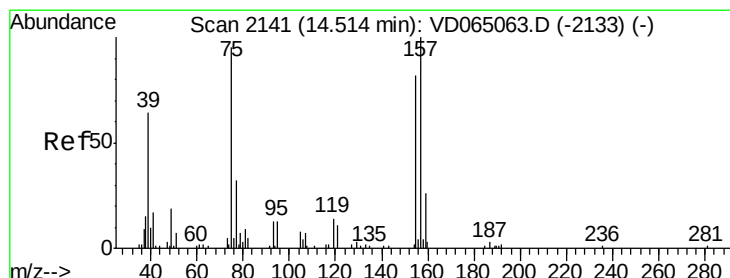
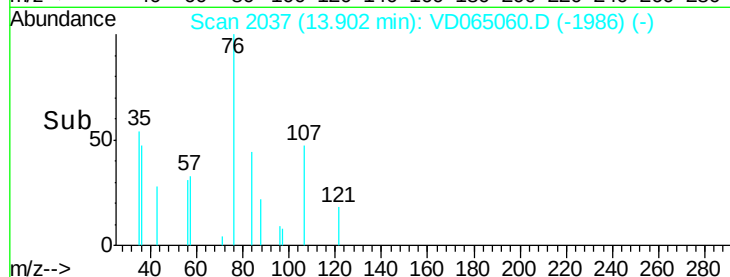
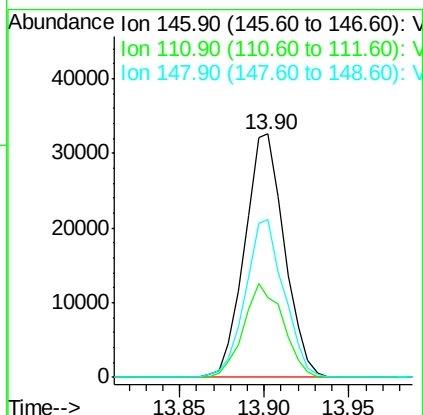
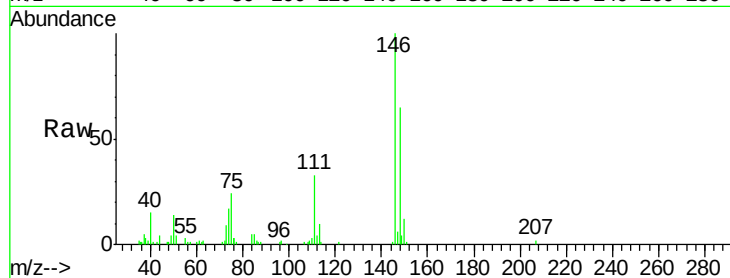




#91
 1,2-Dichlorobenzene
 Concen: 4.90 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

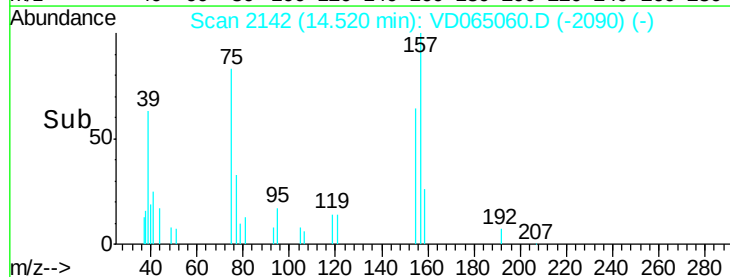
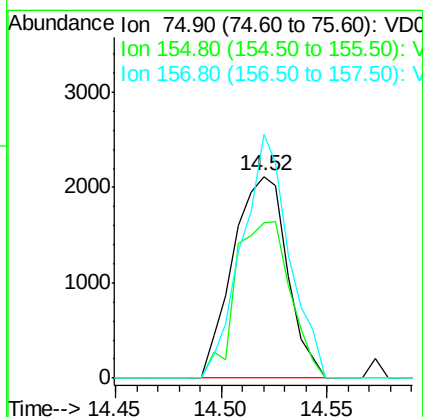
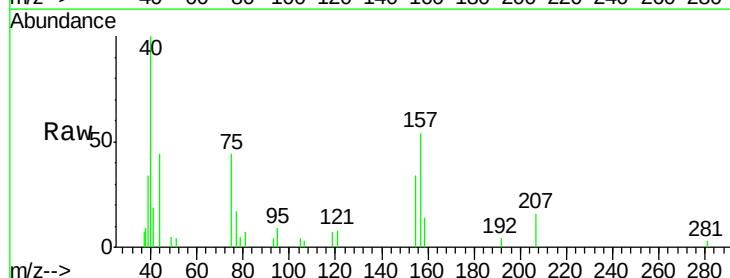
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

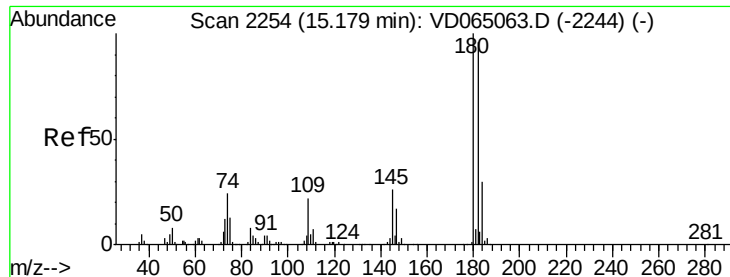
Tgt Ion:146 Resp: 53403
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.7 59.1
 148 63.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.11 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion: 75 Resp: 3767
 Ion Ratio Lower Upper
 75 100
 155 78.2 43.4 130.1
 157 105.6 55.8 167.3

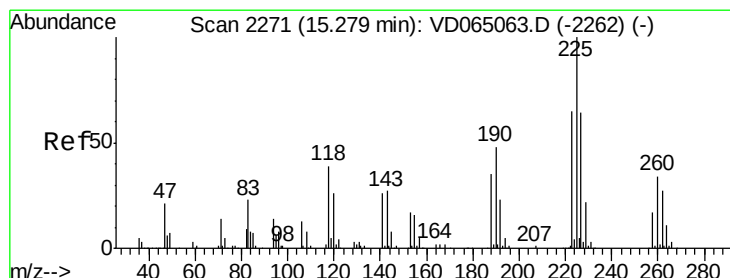
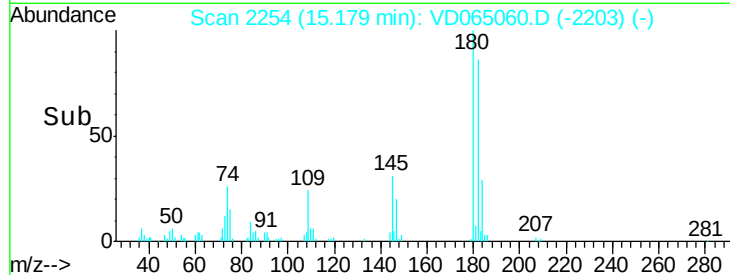
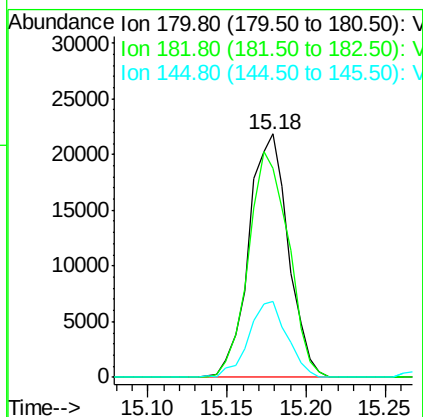
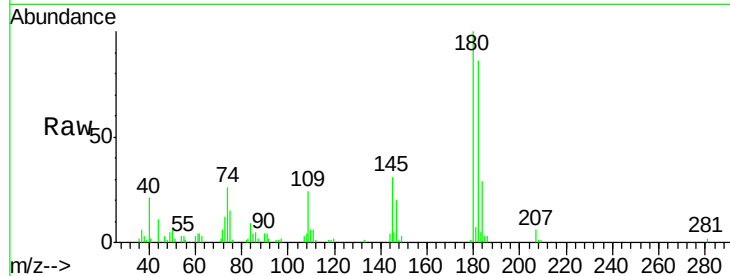




#93
 1,2,4-Trichlorobenzene
 Concen: 4.98 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

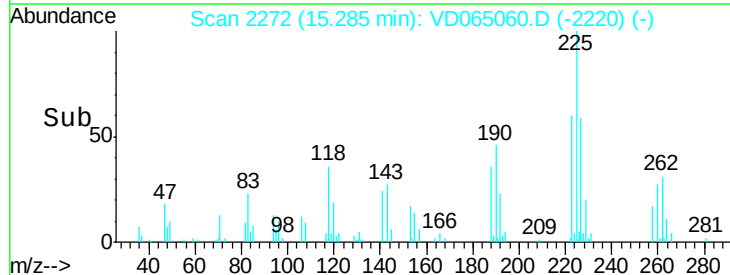
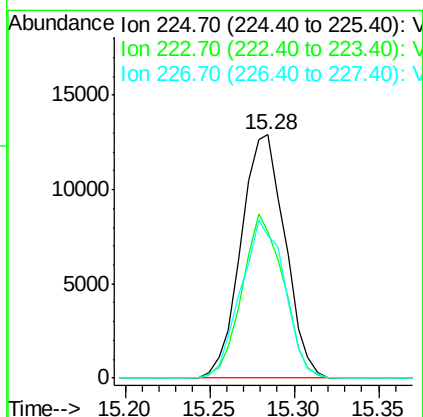
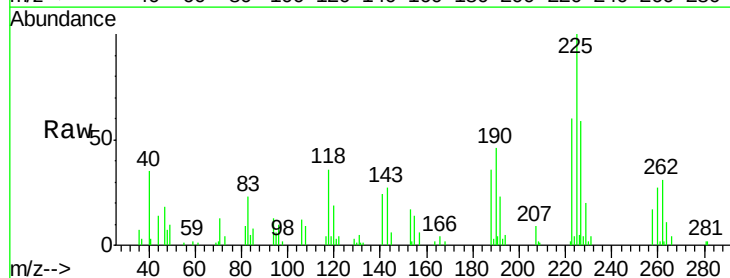
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

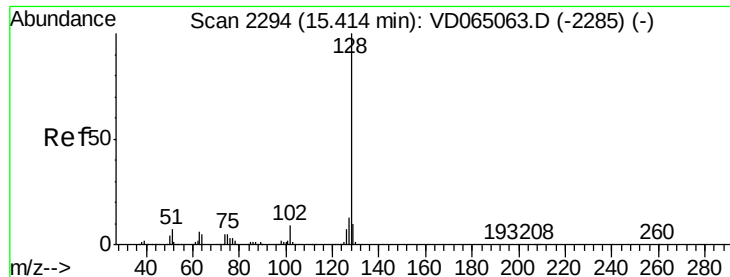
Tgt Ion:180 Resp: 37787
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.4 142.3
 145 30.4 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 4.87 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065060.D
 Acq: 05 Feb 2020 12:03

Tgt Ion:225 Resp: 23377
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.0
 227 64.7 31.8 95.3





#95

Naphthalene

Concen: 5.04 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

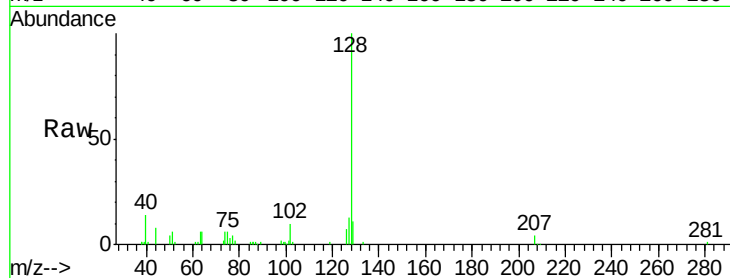
Tgt Ion:128 Resp: 61435

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

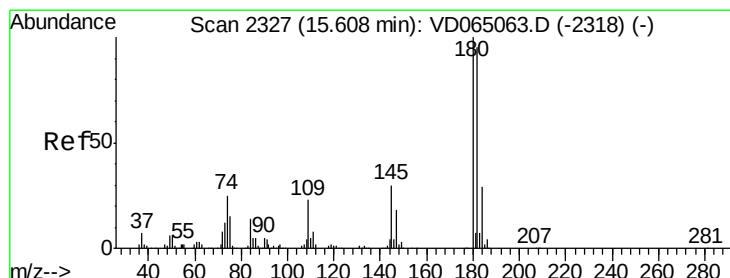
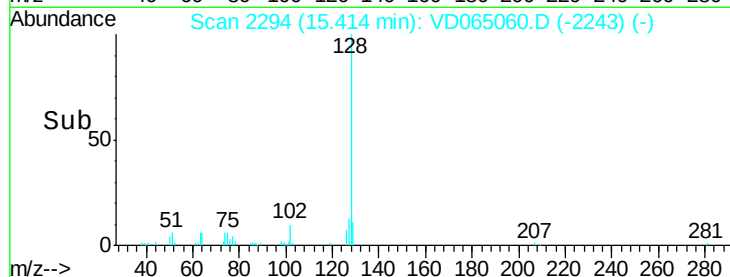
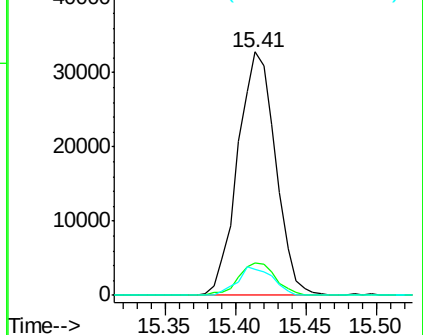
129 10.9 8.7 13.1



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: 4.98 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065060.D

Acq: 05 Feb 2020 12:03

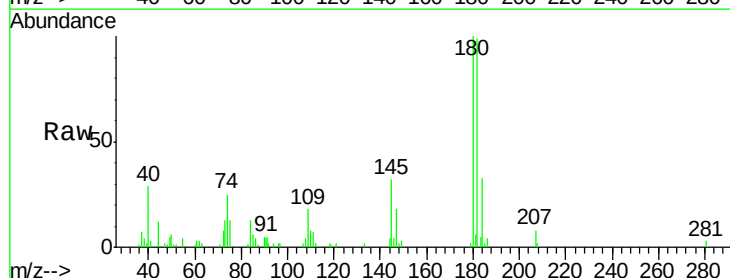
Tgt Ion:180 Resp: 32451

Ion Ratio Lower Upper

180 100

182 95.7 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

