

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041520\
 Data File : VD065633.D
 Acq On : 15 Apr 2020 13:29
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 29 14:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 25 08:07:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	243984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	365118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	10854	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.91	113	11100	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.34	98	39490	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.64	95	13198	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	10333	5.09	ug/l	98
3) Chloromethane	2.21	50	11565	5.22	ug/l	98
4) Vinyl Chloride	2.35	62	13168	5.47	ug/l	92
5) Bromomethane	2.77	94	7017	5.36	ug/l	95
6) Chloroethane	2.92	64	7759	5.42	ug/l	97
7) Trichlorofluoromethane	3.27	101	18829	5.48	ug/l	97
8) Diethyl Ether	3.70	74	3421	4.85	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	8060	5.15	ug/l	93
10) Methyl Iodide	4.29	142	8250	10.05	ug/l	98
11) Tert butyl alcohol	5.24	59	2321	30.13	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	7329	5.21	ug/l #	83
13) Acrolein	3.92	56	1950	21.23	ug/l	99
14) Allyl chloride	4.71	41	10163	7.77	ug/l	97
15) Acrylonitrile	5.43	53	9988	23.51	ug/l	99
16) Acetone	4.16	43	8201	27.63	ug/l	96
17) Carbon Disulfide	4.40	76	24378	9.47	ug/l	98
18) Methyl Acetate	4.72	43	4391	9.87	ug/l #	77
19) Methyl tert-butyl Ether	5.48	73	17707	4.44	ug/l	93
20) Methylene Chloride	4.96	84	14775	6.65	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	12023	5.29	ug/l	97
22) Diisopropyl ether	6.36	45	27064	4.17	ug/l #	81
23) Vinyl Acetate	6.30	43	67605	28.51	ug/l	95
24) 1,1-Dichloroethane	6.26	63	21917	5.34	ug/l	97
25) 2-Butanone	7.22	43	12874	23.24	ug/l	94
26) 2,2-Dichloropropane	7.21	77	19547	5.47	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	12578	4.99	ug/l	100
28) Bromochloromethane	7.54	49	7920	4.83	ug/l	99
29) Tetrahydrofuran	7.57	42	6882	19.58	ug/l	95
30) Chloroform	7.71	83	22203	5.29	ug/l	90
31) Cyclohexane	7.99	56	21560	5.52	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	20094	5.32	ug/l	96
36) 1,1-Dichloropropene	8.11	75	17440	4.95	ug/l	98
37) Ethyl Acetate	7.30	43	5801	4.13	ug/l #	72
38) Carbon Tetrachloride	8.10	117	19152	5.07	ug/l	94

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 Data File : VD065633.D
 Acq On : 15 Apr 2020 13:29
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 29 14:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 25 08:07:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	18464	4.50	ug/l	95
40) Benzene	8.35	78	50372	4.97	ug/l	94
41) Methacrylonitrile	7.52	41	1992	2.86	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	13136	4.73	ug/l	99
43) Isopropyl Acetate	8.46	43	10695	4.22	ug/l	95
44) Trichloroethene	9.11	130	14506	5.11	ug/l	98
45) 1,2-Dichloropropane	9.39	63	11936	4.80	ug/l	91
46) Dibromomethane	9.48	93	5879	4.57	ug/l	97
47) Bromodichloromethane	9.66	83	16531	4.83	ug/l	96
48) Methyl methacrylate	9.46	41	5124	5.37	ug/l	93
49) 1,4-Dioxane	9.47	88	1067	95.91	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	24671	26.45	ug/l	97
52) Toluene	10.41	92	27576	4.41	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	13464	4.28	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	16844	4.42	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	8323	4.57	ug/l	97
56) Ethyl methacrylate	10.67	69	6955	6.32	ug/l	96
57) 1,3-Dichloropropane	10.95	76	14132	4.56	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	19157	28.92	ug/l	98
59) 2-Hexanone	10.99	43	16552	26.32	ug/l	98
60) Dibromochloromethane	11.14	129	10925	4.56	ug/l	99
61) 1,2-Dibromoethane	11.26	107	7863	4.49	ug/l	99
64) Tetrachloroethene	10.88	164	12692	5.22	ug/l	95
65) Chlorobenzene	11.67	112	33508	4.99	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	12599	4.91	ug/l	99
67) Ethyl Benzene	11.75	91	53383	4.65	ug/l	97
68) m/p-Xylenes	11.86	106	39471	8.90	ug/l	98
69) o-Xylene	12.18	106	16781	4.31	ug/l	96
70) Styrene	12.20	104	27700	4.02	ug/l	98
71) Bromoform	12.37	173	6704	4.65	ug/l #	92
73) Isopropylbenzene	12.48	105	43879	4.28	ug/l	99
74) N-amyl acetate	12.30	43	8671	6.21	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	9235	4.96	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	10976	8.02	ug/l #	100
77) Bromobenzene	12.77	156	12599	4.62	ug/l	99
78) n-propylbenzene	12.83	91	54496	4.39	ug/l	100
79) 2-Chlorotoluene	12.91	91	32037	4.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	37024	4.28	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	2534	4.06	ug/l	92
82) 4-Chlorotoluene	13.01	91	34940	4.61	ug/l	100
83) tert-Butylbenzene	13.23	119	31807	4.38	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	35100	4.07	ug/l	98
85) sec-Butylbenzene	13.41	105	46014	4.43	ug/l	99
86) p-Isopropyltoluene	13.53	119	40821	4.19	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	26924	5.05	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	27420	5.16	ug/l	90
89) n-Butylbenzene	13.86	91	39869	4.51	ug/l	97
90) Hexachloroethane	14.12	117	10438	5.11	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	22168	4.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1278	4.54	ug/l	88

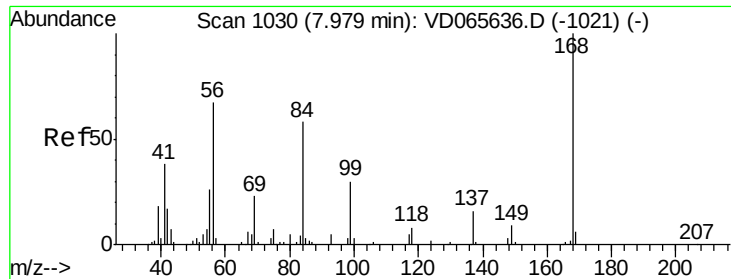
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041520\
Data File : VD065633.D
Acq On : 15 Apr 2020 13:29
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Apr 29 14:39:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Sat Apr 25 08:07:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14401	4.58	ug/l	97
94) Hexachlorobutadiene	15.28	225	10756	4.99	ug/l	98
95) Naphthalene	15.41	128	16794	6.96	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	12616	4.54	ug/l	97

(#) = 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. 0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

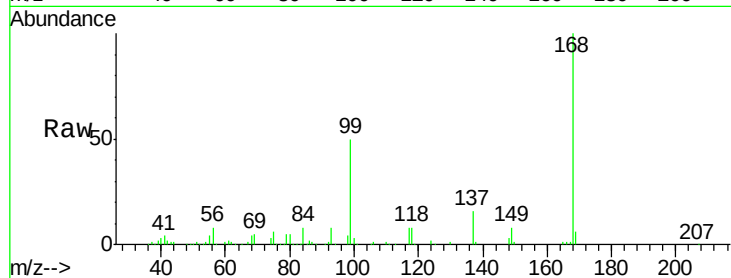
VSTDIC005

Tgt Ion:168 Resp: 243984

Ion Ratio Lower Upper

168 100

99 50.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

120000

100000

80000

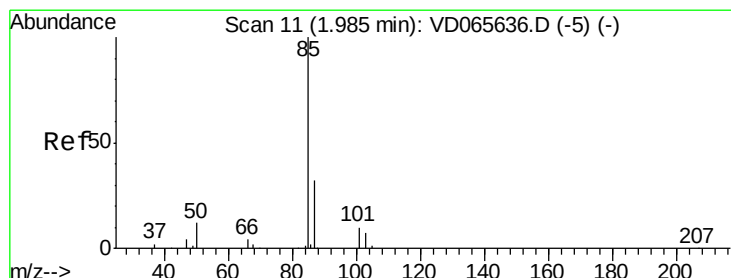
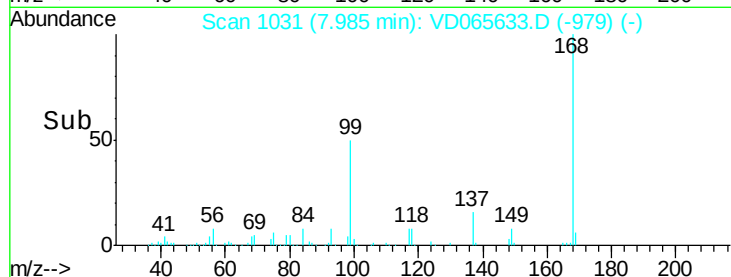
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.09 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065633.D

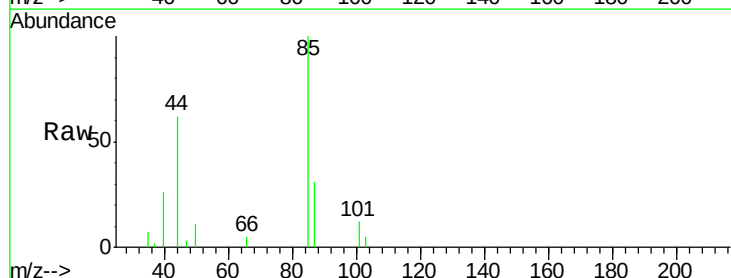
Acq: 15 Apr 2020 13:29

Tgt Ion: 85 Resp: 10333

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

8000

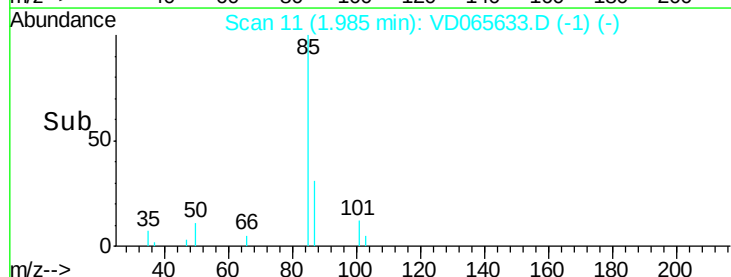
6000

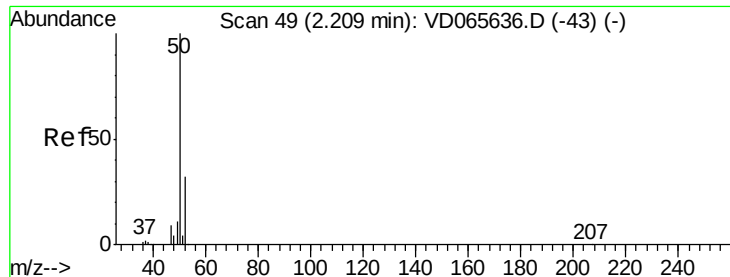
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.22 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

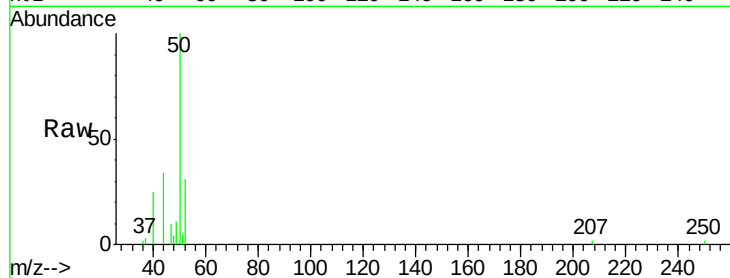
VSTDIC005

Tgt Ion: 50 Resp: 11565

Ion Ratio Lower Upper

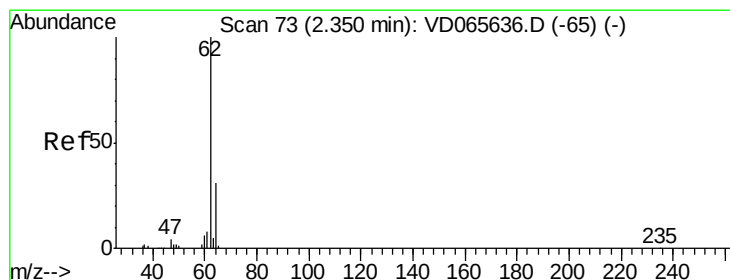
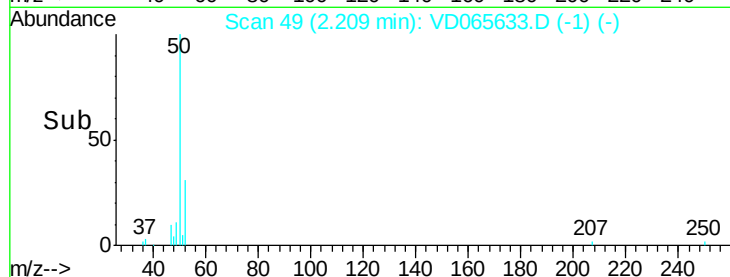
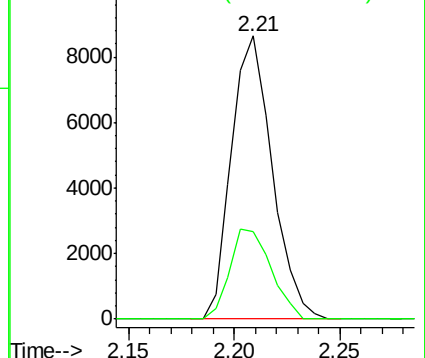
50 100

52 30.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.47 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065633.D

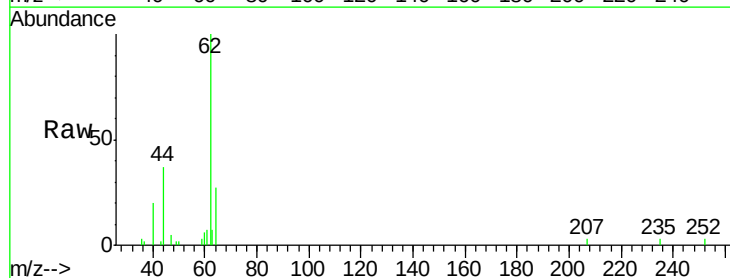
Acq: 15 Apr 2020 13:29

Tgt Ion: 62 Resp: 13168

Ion Ratio Lower Upper

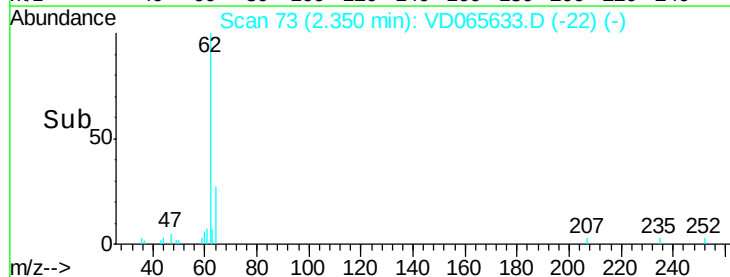
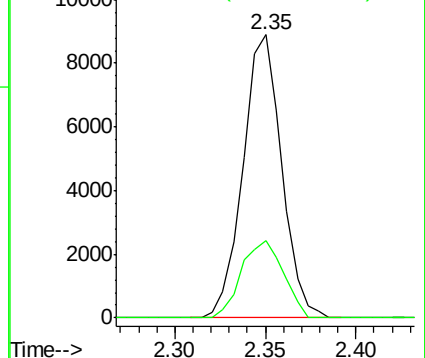
62 100

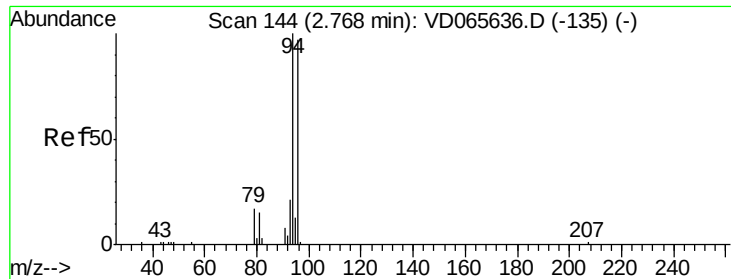
64 27.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.36 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

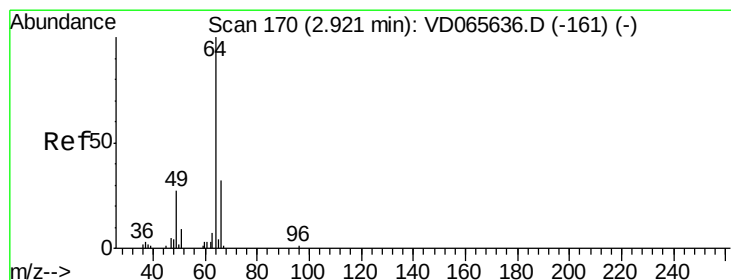
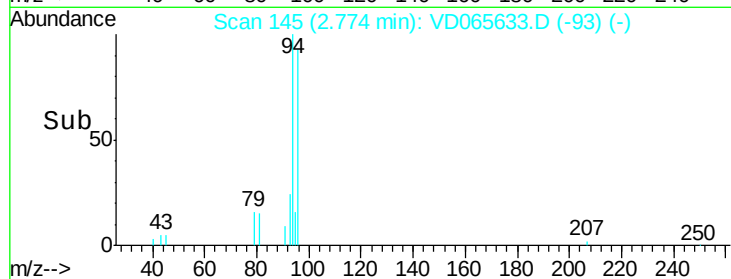
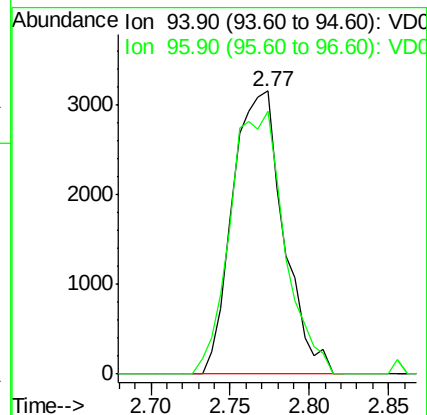
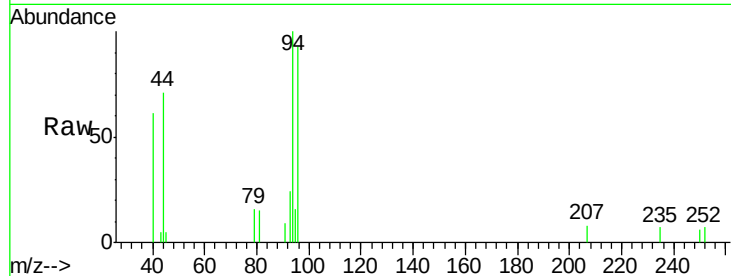
VSTDIC005

Tgt Ion: 94 Resp: 7017

Ion Ratio Lower Upper

94 100

96 93.0 77.9 116.9



#6

Chloroethane

Concen: 5.42 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065633.D

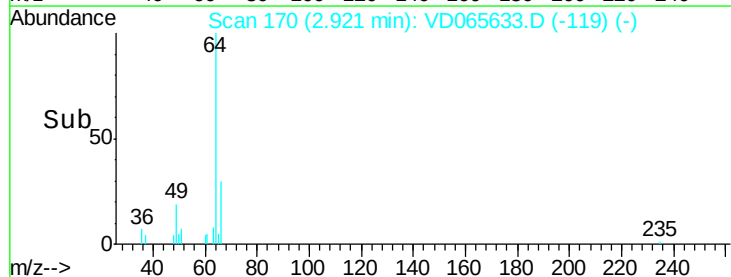
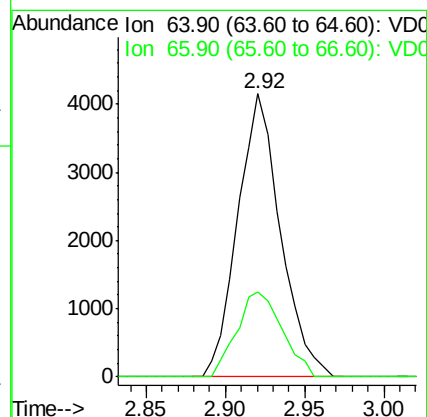
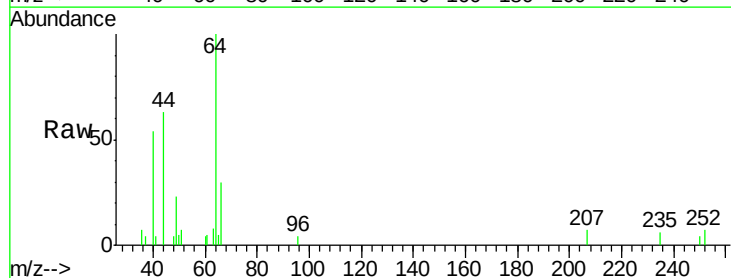
Acq: 15 Apr 2020 13:29

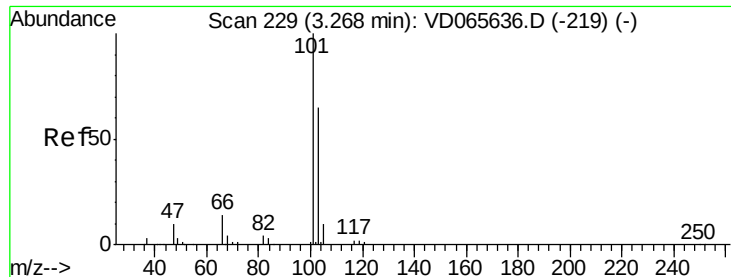
Tgt Ion: 64 Resp: 7759

Ion Ratio Lower Upper

64 100

66 30.2 25.6 38.4





#7

Trichlorofluoromethane

Concen: 5.48 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

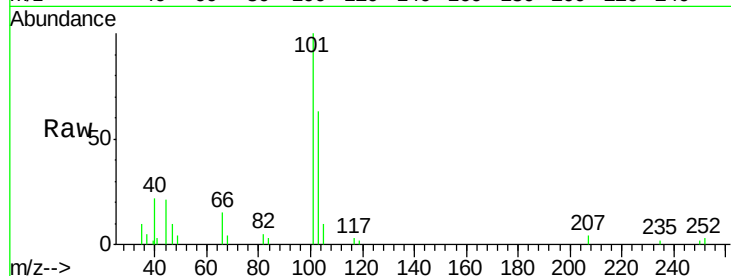
VSTDIC005

Tgt Ion:101 Resp: 18829

Ion Ratio Lower Upper

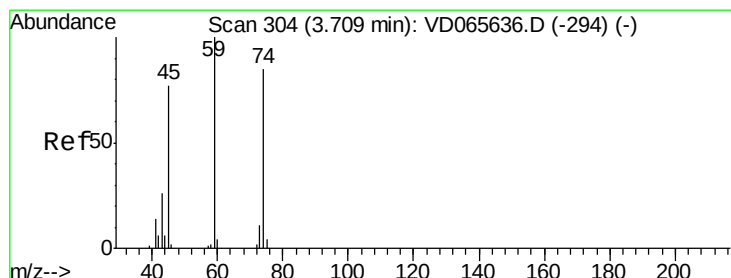
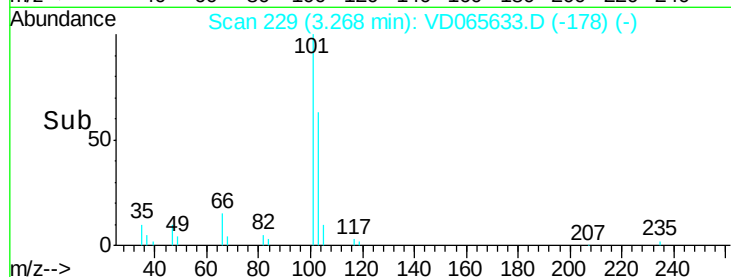
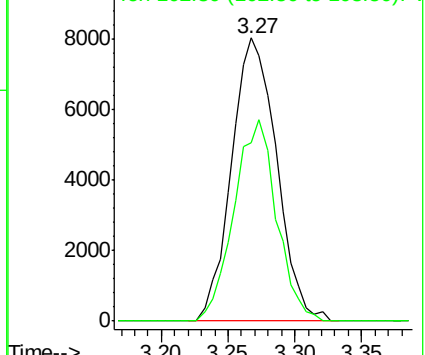
101 100

103 62.9 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.85 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065633.D

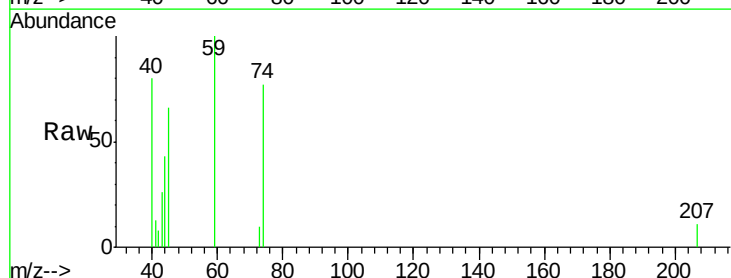
Acq: 15 Apr 2020 13:29

Tgt Ion: 74 Resp: 3421

Ion Ratio Lower Upper

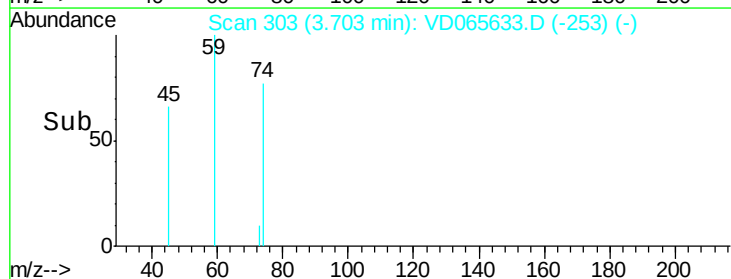
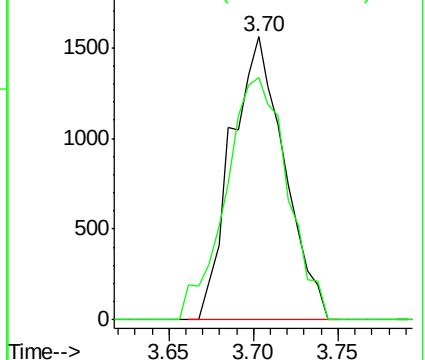
74 100

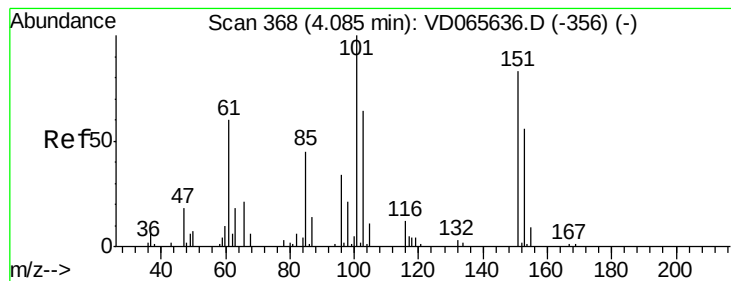
45 99.3 49.9 149.6



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: 5.15 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

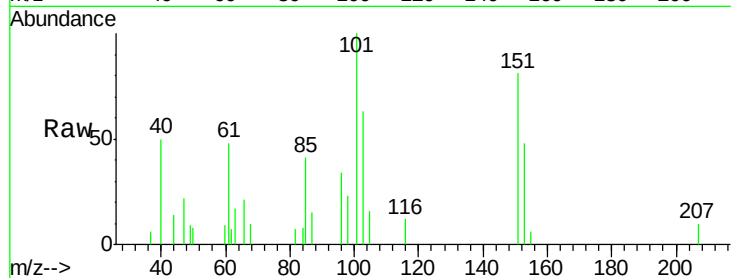
Tgt Ion:101 Resp: 8060

Ion Ratio Lower Upper

101 100

85 43.1 36.2 54.2

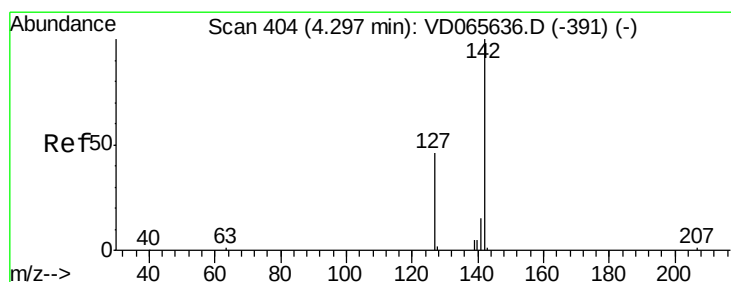
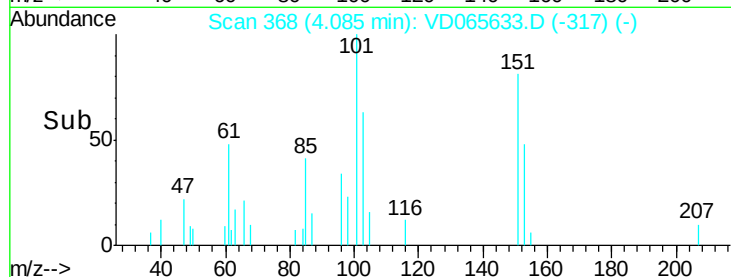
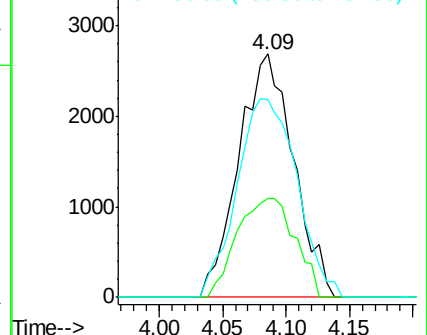
151 89.5 65.6 98.4



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: 10.05 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

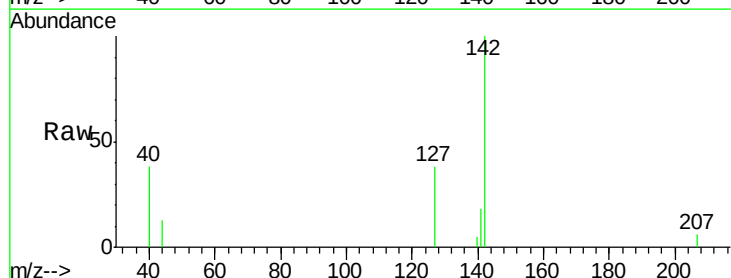
Tgt Ion:142 Resp: 8250

Ion Ratio Lower Upper

142 100

127 49.1 38.1 57.1

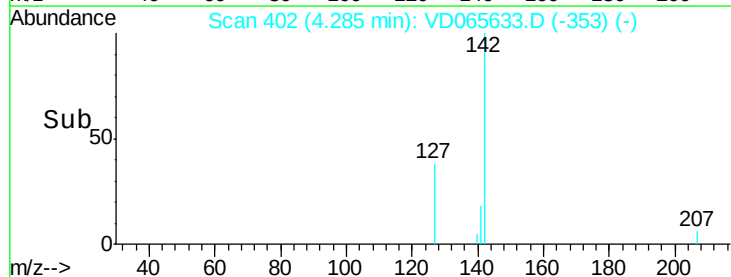
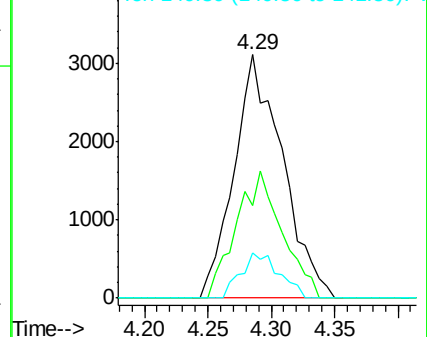
141 14.6 12.1 18.1

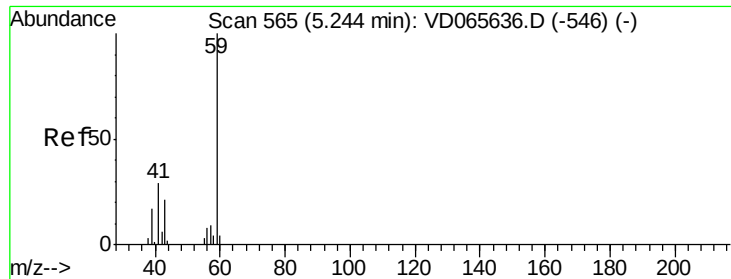


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

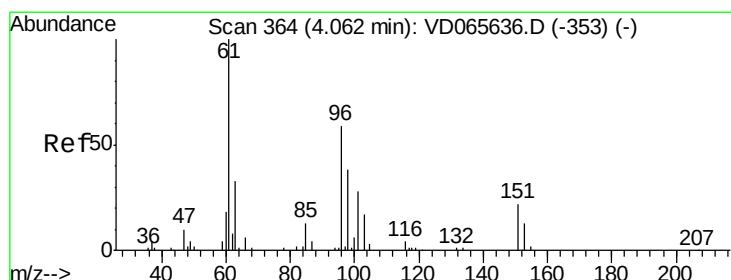
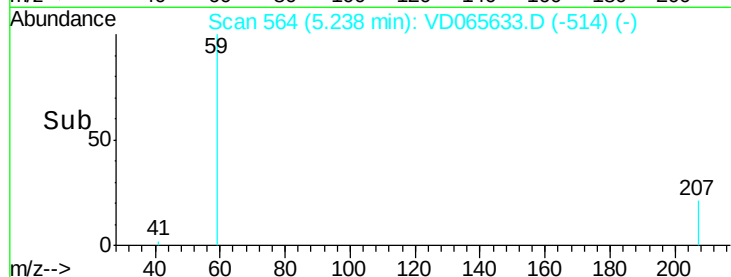
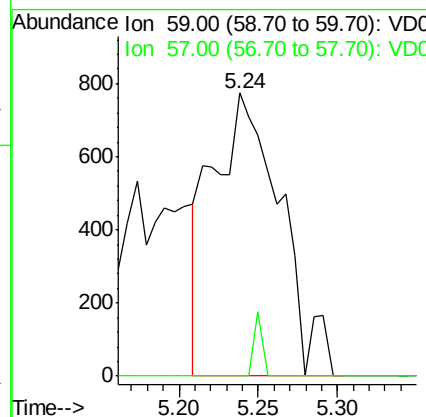
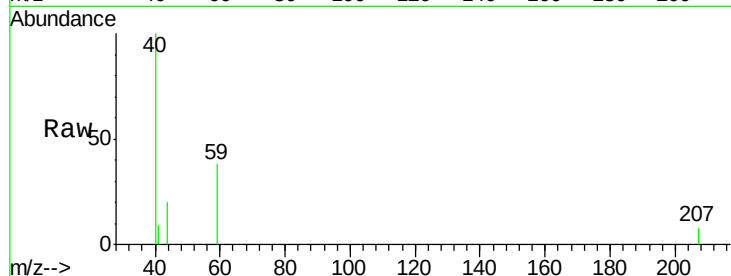




#11
Tert butyl alcohol
Concen: 30.13 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

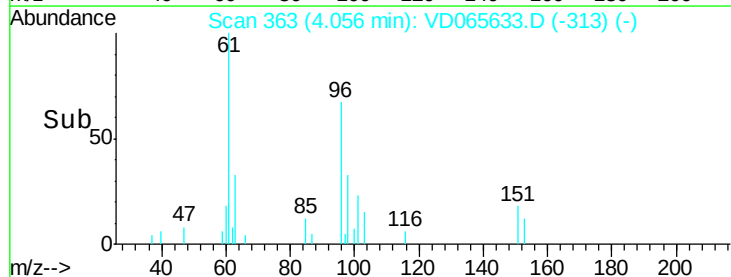
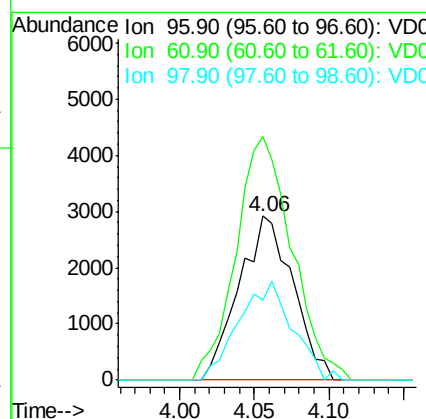
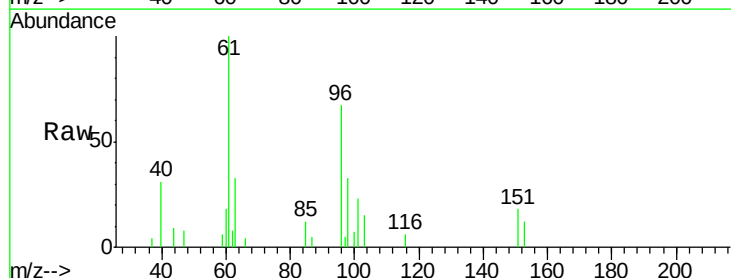
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

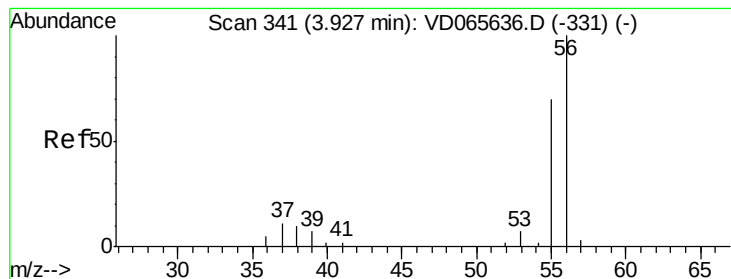
Tgt Ion: 59 Resp: 2321
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 5.21 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 96 Resp: 7329
Ion Ratio Lower Upper
96 100
61 148.5 136.2 204.2
98 48.8 52.2 78.2#





#13

Acrolein

Concen: 21.23 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

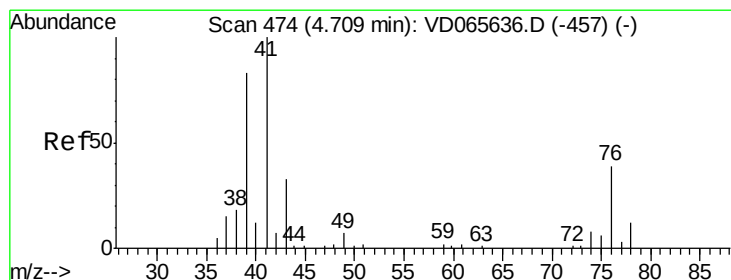
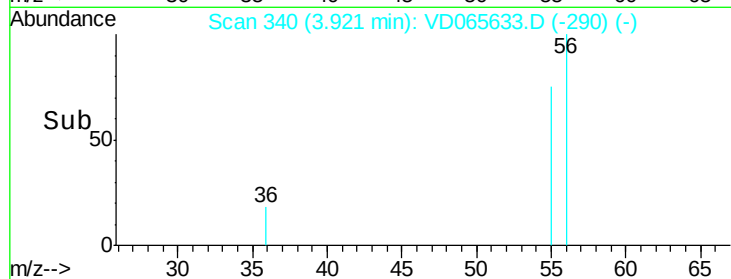
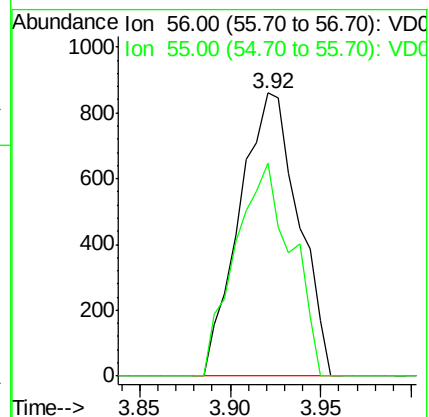
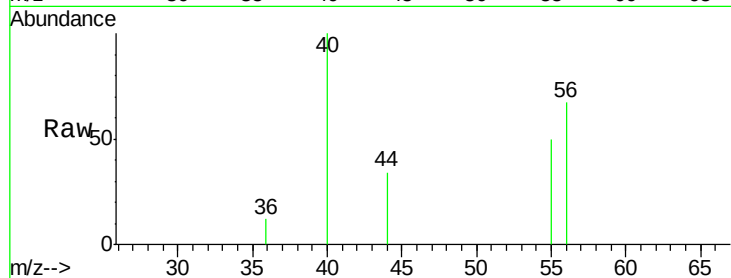
VSTDIC005

Tgt Ion: 56 Resp: 1950

Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.2



#14

Allyl chloride

Concen: 7.77 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

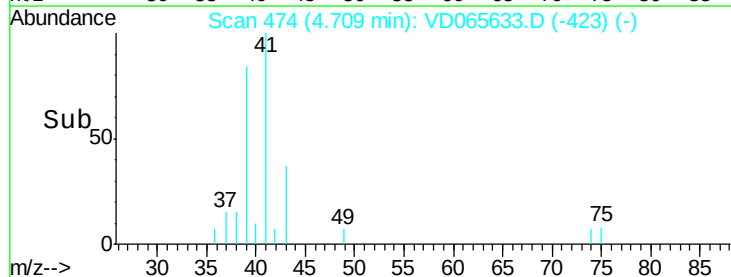
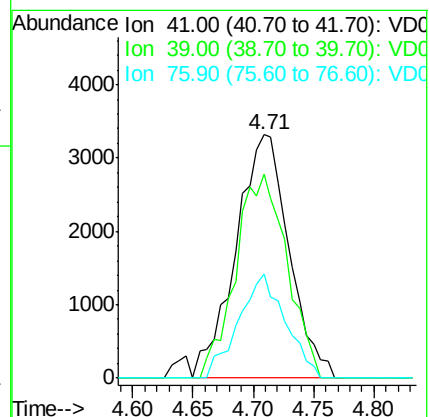
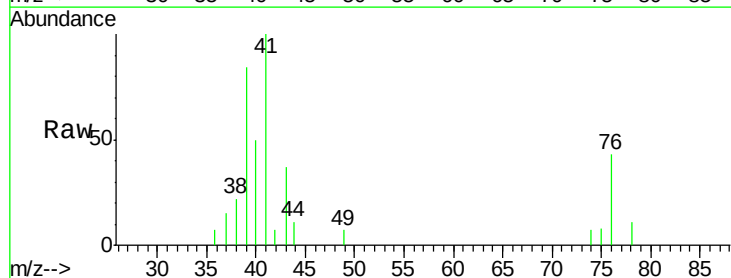
Tgt Ion: 41 Resp: 10163

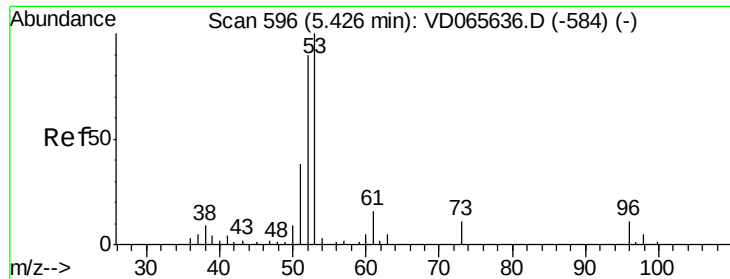
Ion Ratio Lower Upper

41 100

39 80.7 62.5 93.7

76 37.5 29.1 43.7





#15

Acrylonitrile

Concen: 23.51 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

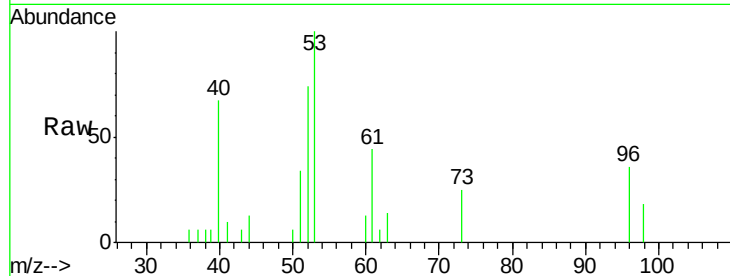
Tgt Ion: 53 Resp: 9988

Ion Ratio Lower Upper

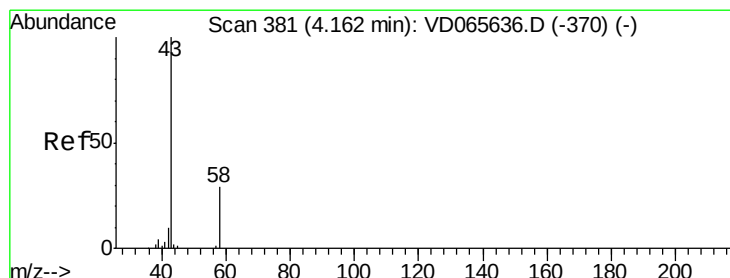
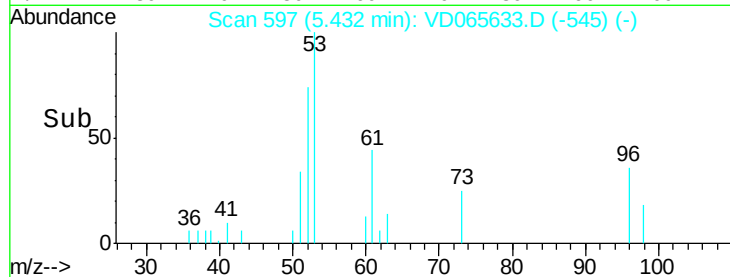
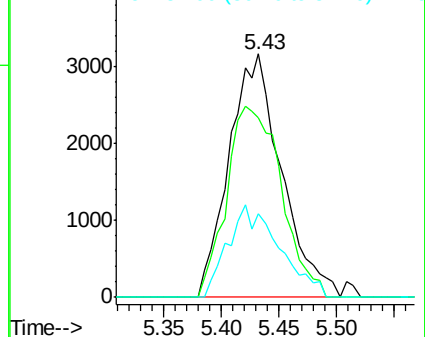
53 100

52 82.1 65.8 98.6

51 37.1 30.9 46.3



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: 27.63 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065633.D

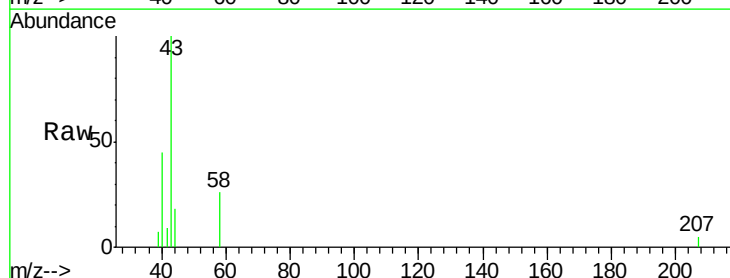
Acq: 15 Apr 2020 13:29

Tgt Ion: 43 Resp: 8201

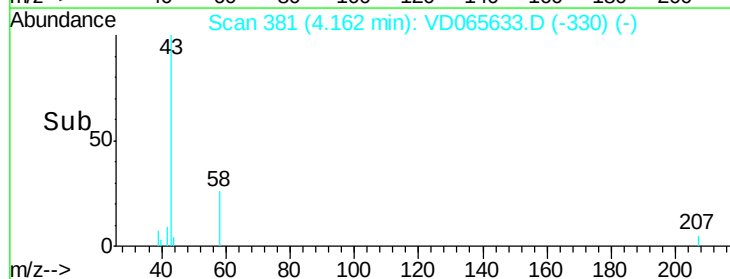
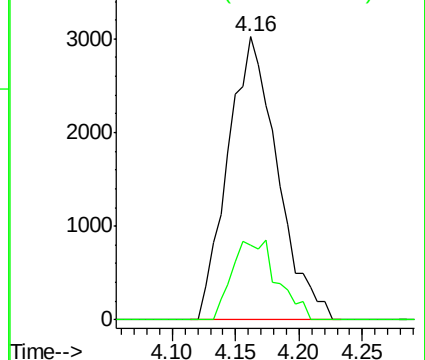
Ion Ratio Lower Upper

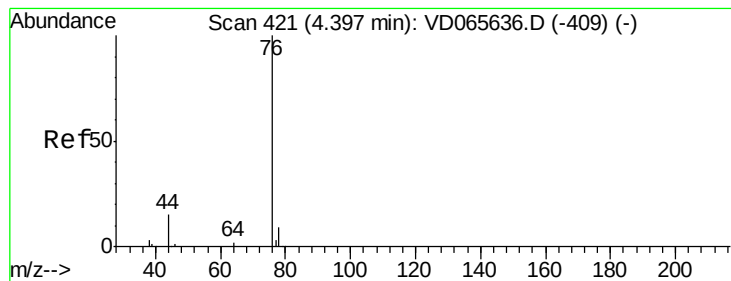
43 100

58 26.4 22.9 34.3



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





#17

Carbon Disulfide

Concen: 9.47 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

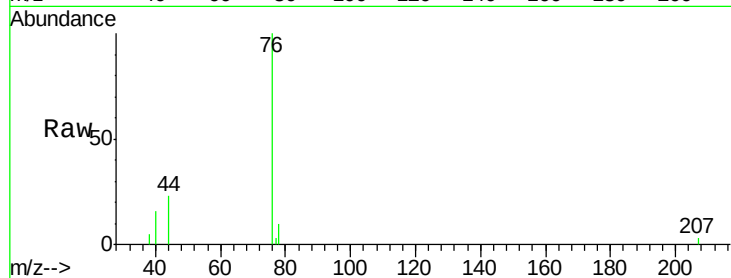
VSTDIC005

Tgt Ion: 76 Resp: 24378

Ion Ratio Lower Upper

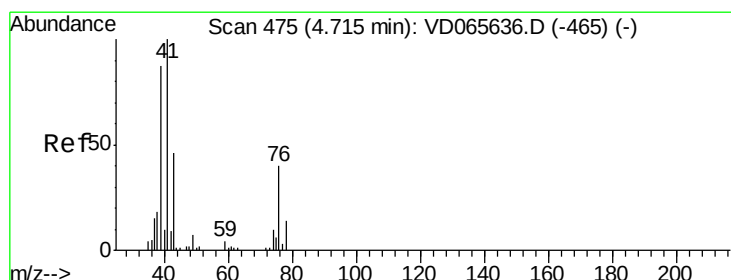
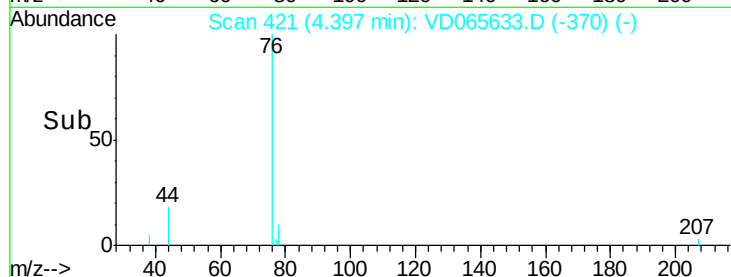
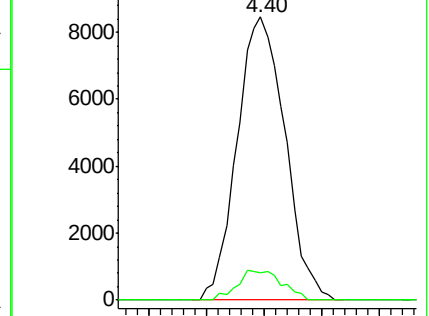
76 100

78 9.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 9.87 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065633.D

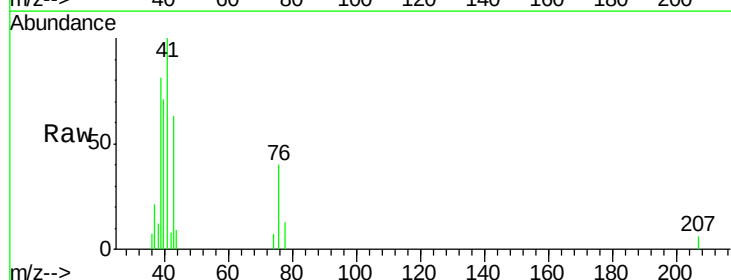
Acq: 15 Apr 2020 13:29

Tgt Ion: 43 Resp: 4391

Ion Ratio Lower Upper

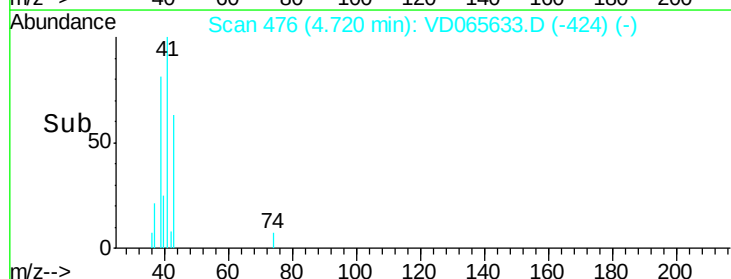
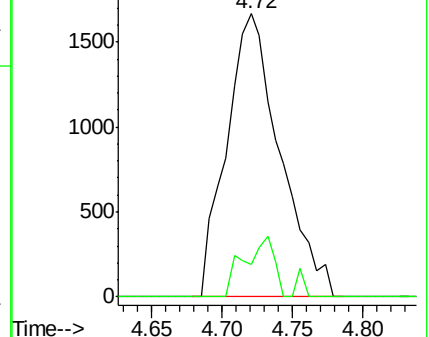
43 100

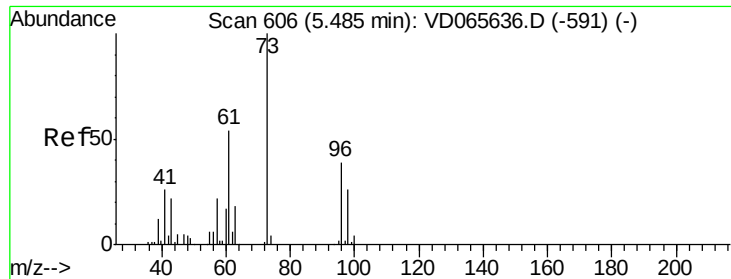
74 12.1 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

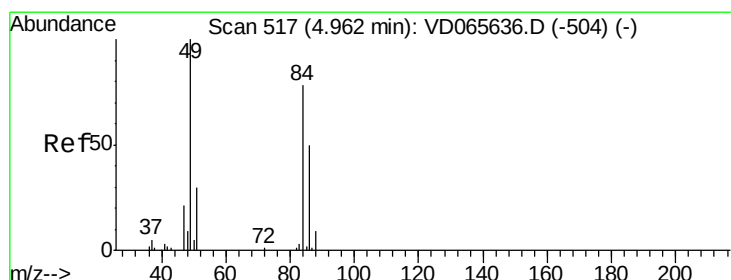
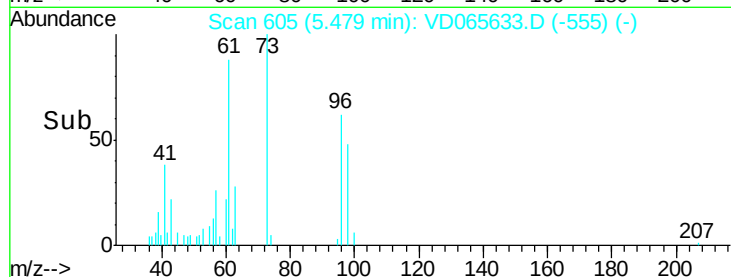
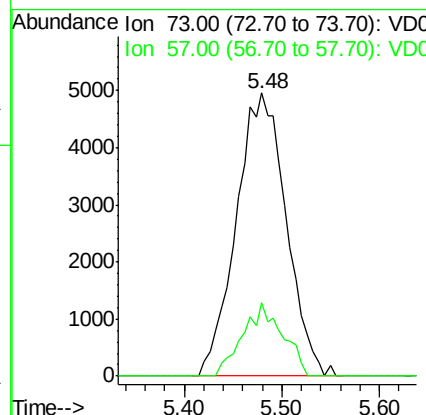
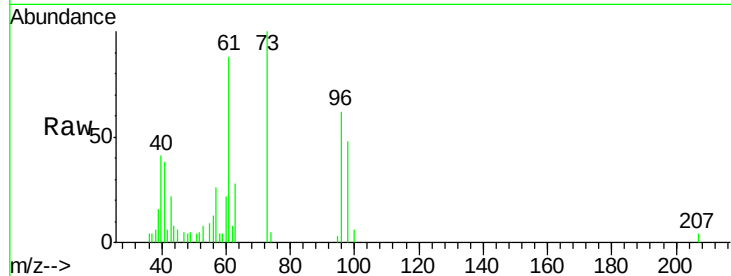




#19
Methyl tert-butyl Ether
Concen: 4.44 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

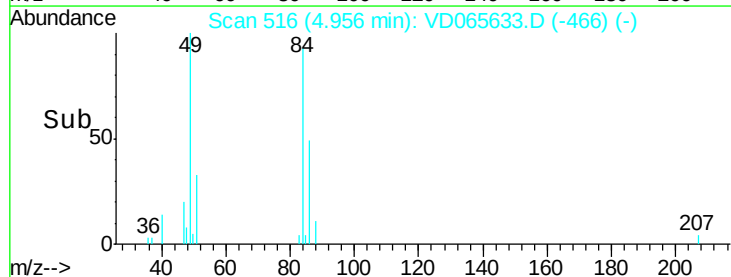
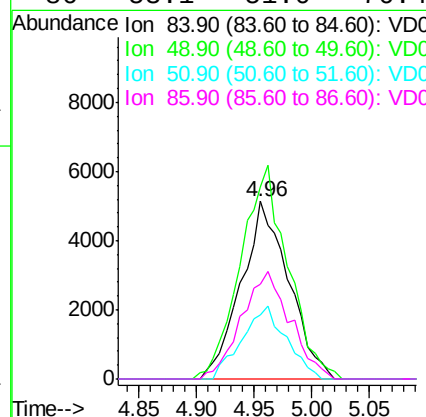
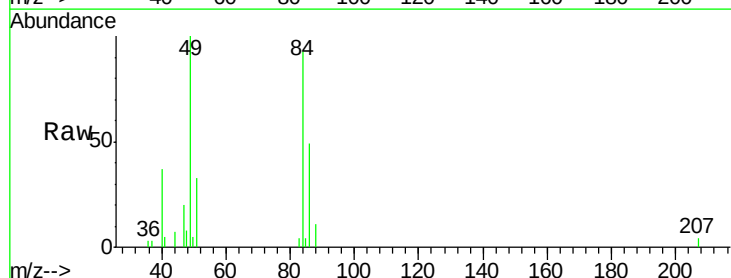
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

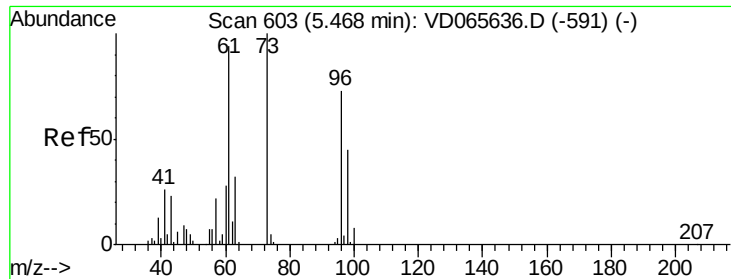
Tgt Ion: 73 Resp: 17707
Ion Ratio Lower Upper
73 100
57 25.7 17.8 26.8



#20
Methylene Chloride
Concen: 6.65 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 84 Resp: 14775
Ion Ratio Lower Upper
84 100
49 107.8 102.0 153.0
51 36.0 30.8 46.2
86 53.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 5.29 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

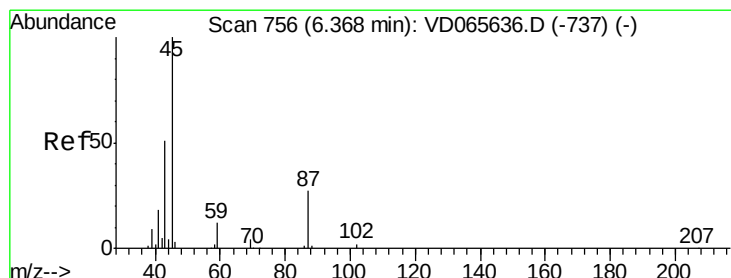
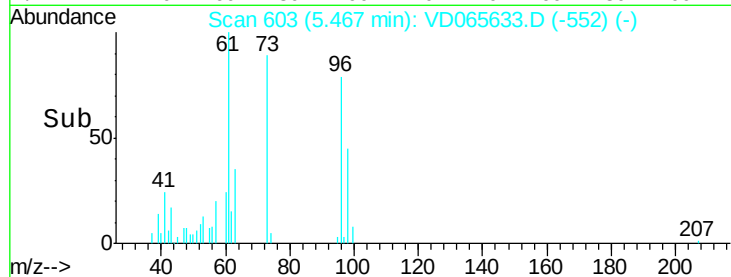
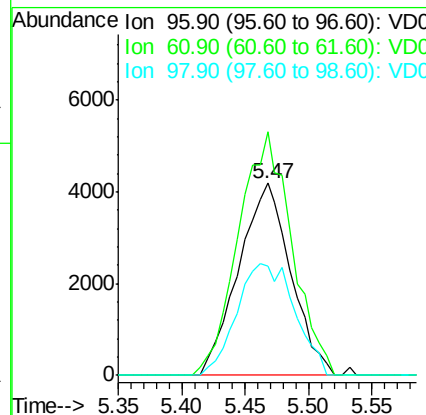
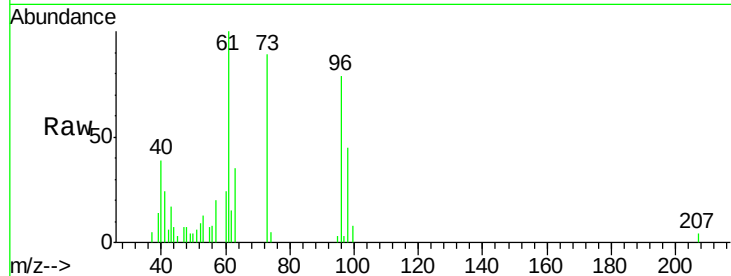
Tgt Ion: 96 Resp: 12023

Ion Ratio Lower Upper

96 100

61 126.7 102.6 153.8

98 56.7 49.4 74.0



#22

Diisopropyl ether

Concen: 4.17 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Tgt Ion: 45 Resp: 27064

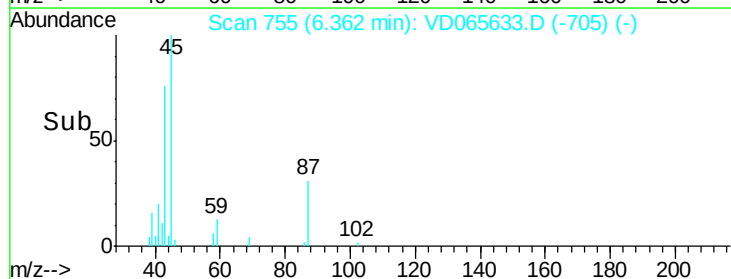
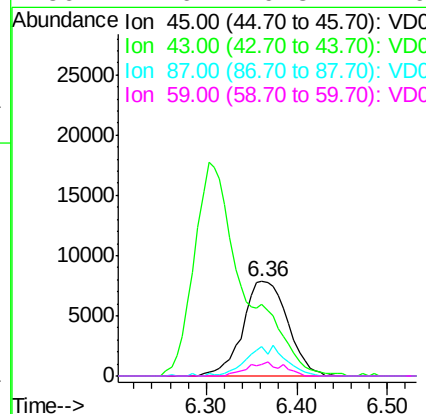
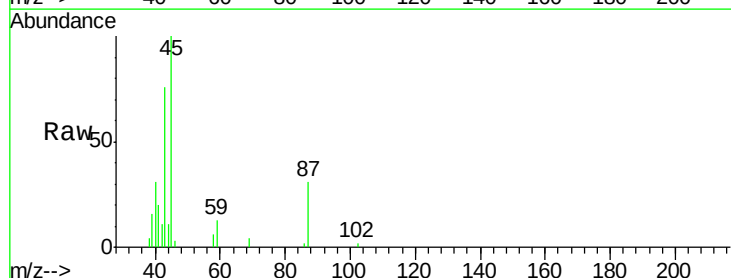
Ion Ratio Lower Upper

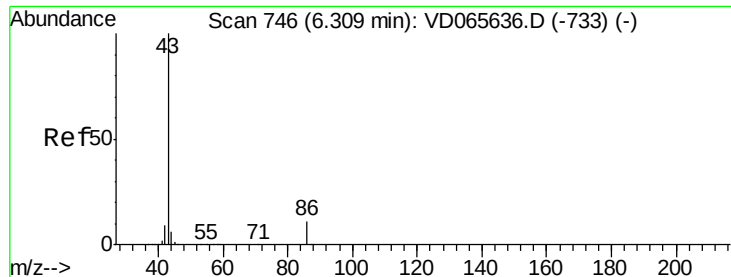
45 100

43 73.5 42.2 63.2#

87 30.7 22.1 33.1

59 12.6 9.8 14.6

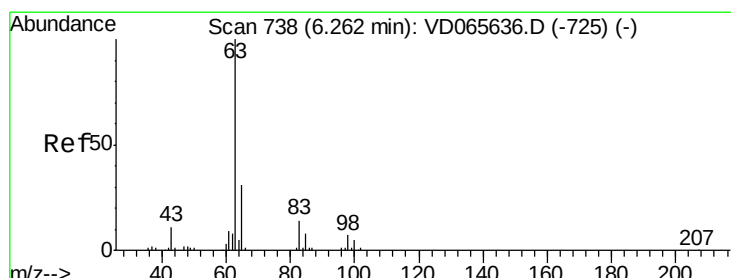
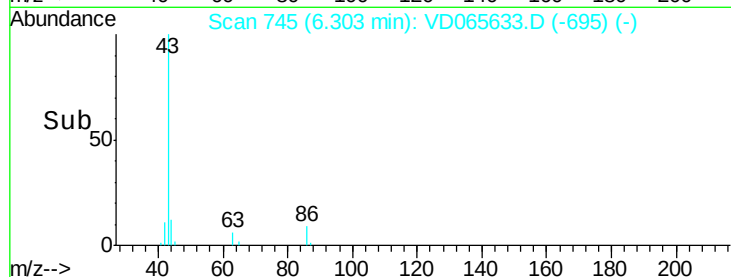
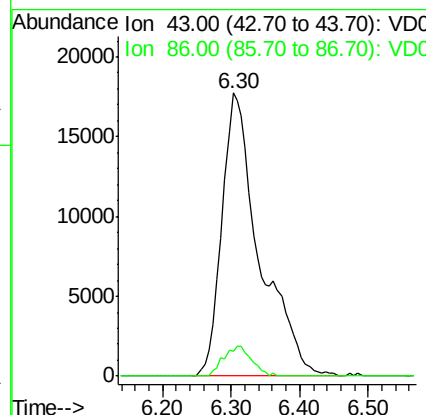
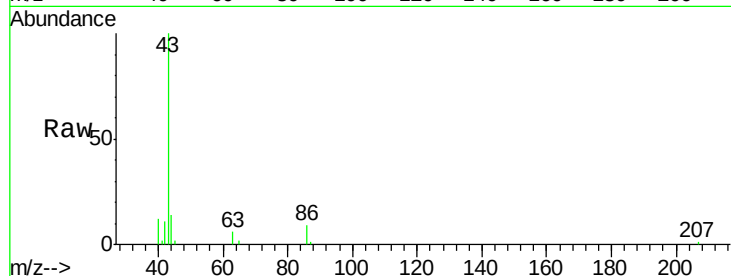




#23
 Vinyl Acetate
 Concen: 28.51 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

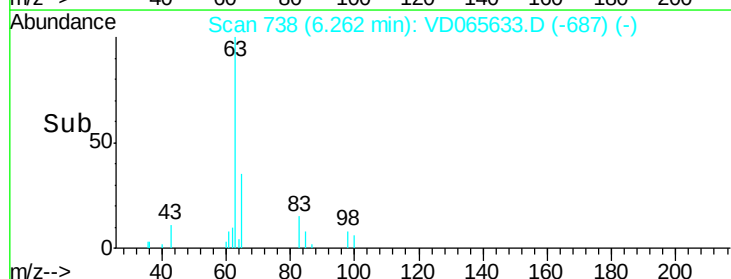
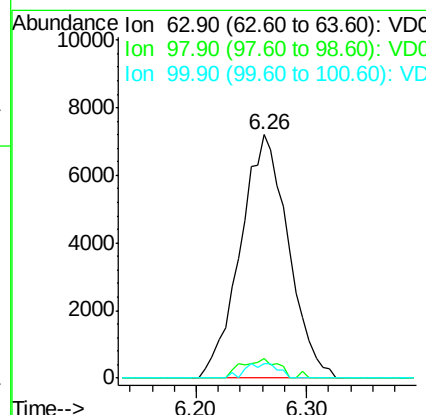
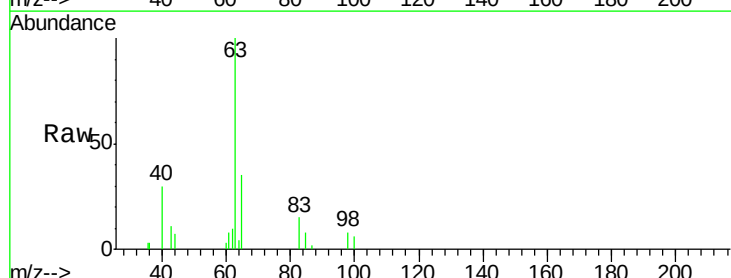
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

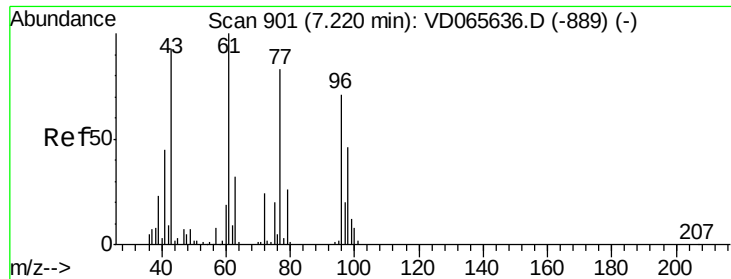
Tgt Ion: 43 Resp: 67605
 Ion Ratio Lower Upper
 43 100
 86 9.0 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 5.34 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 63 Resp: 21917
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.8
 100 6.0 2.4 7.2





#25

2-Butanone

Concen: 23.24 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

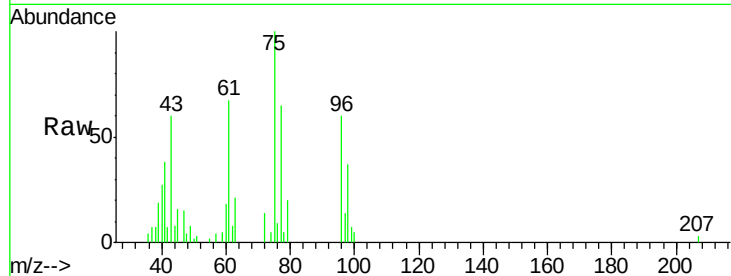
VSTDIC005

Tgt Ion: 43 Resp: 12874

Ion Ratio Lower Upper

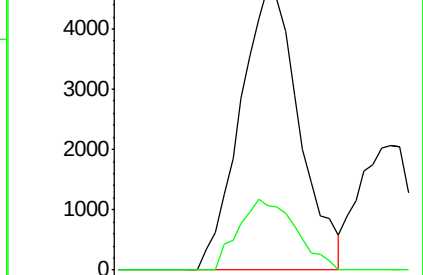
43 100

72 22.7 20.5 30.7

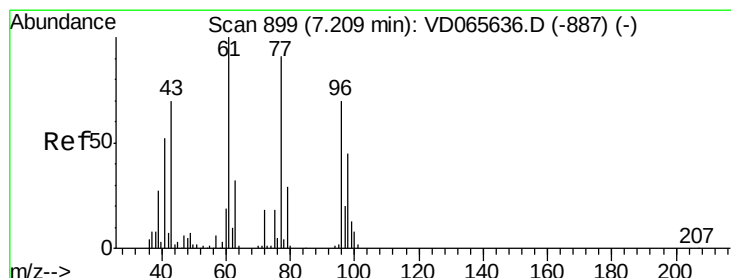
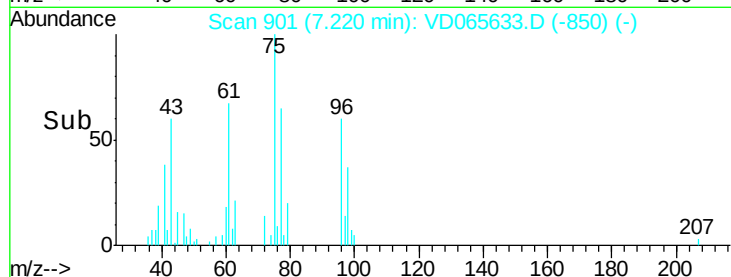


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 5.47 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065633.D

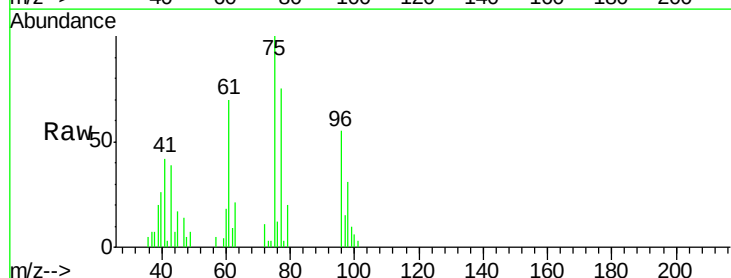
Acq: 15 Apr 2020 13:29

Tgt Ion: 77 Resp: 19547

Ion Ratio Lower Upper

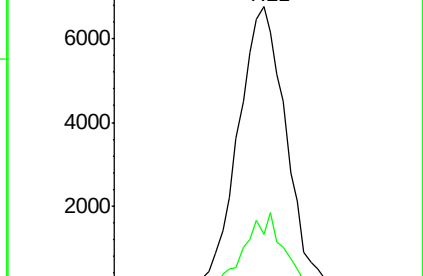
77 100

97 21.9 11.5 34.5

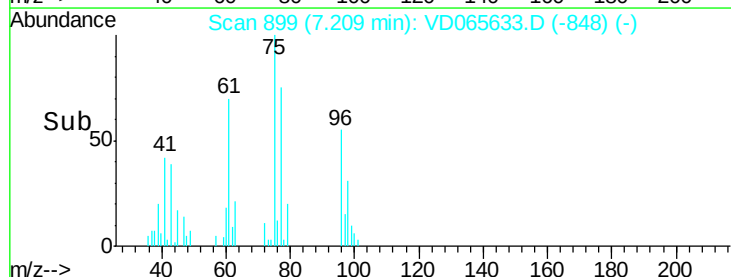


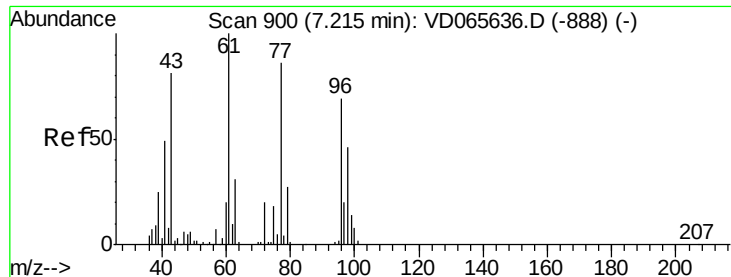
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 4.99 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

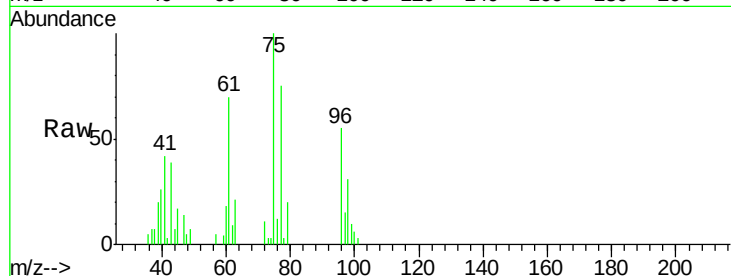
Tgt Ion: 96 Resp: 12578

Ion Ratio Lower Upper

96 100

61 143.8 0.0 286.2

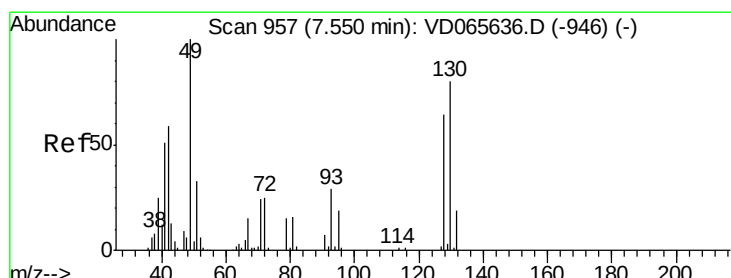
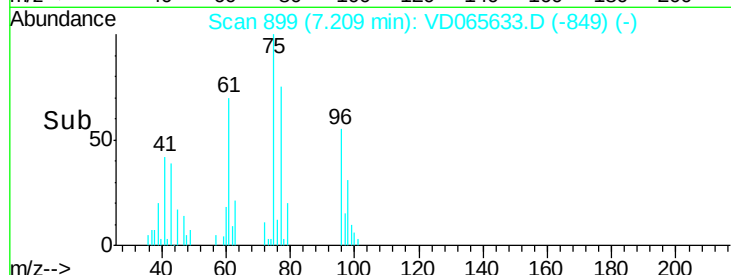
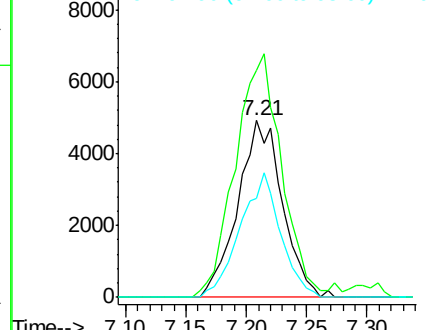
98 64.1 0.0 128.0



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: 4.83 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

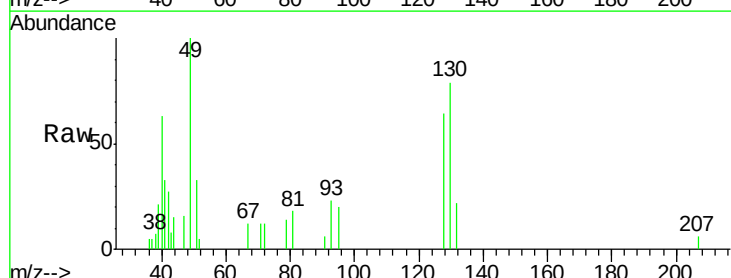
Tgt Ion: 49 Resp: 7920

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.2

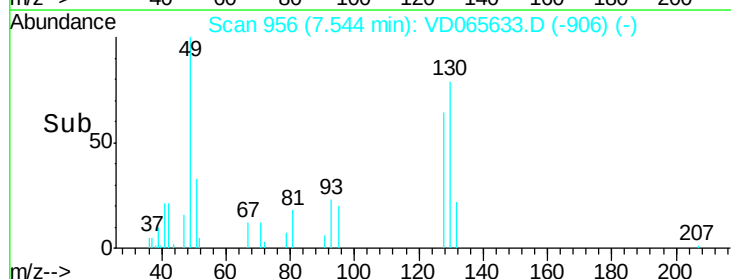
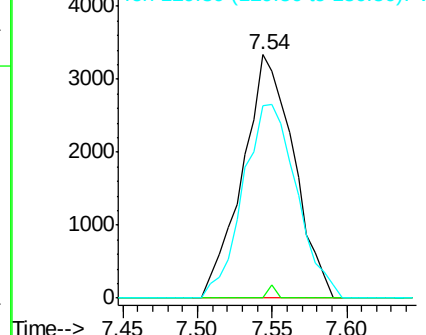
130 83.4 66.2 99.2

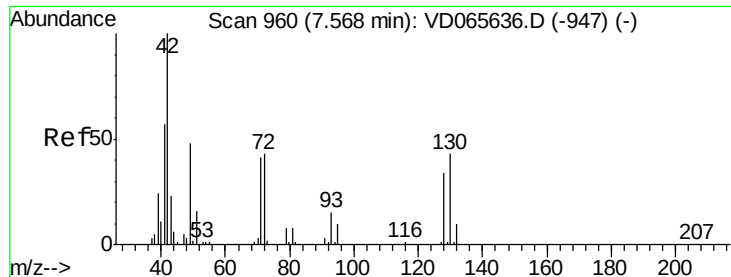


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

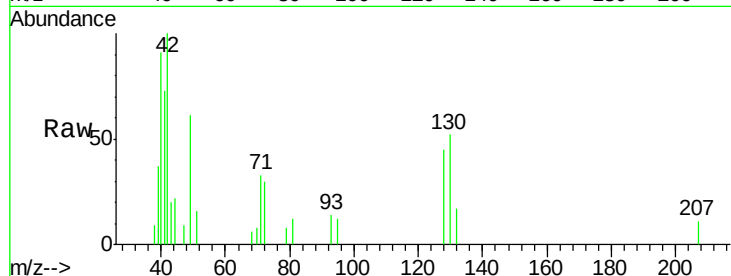




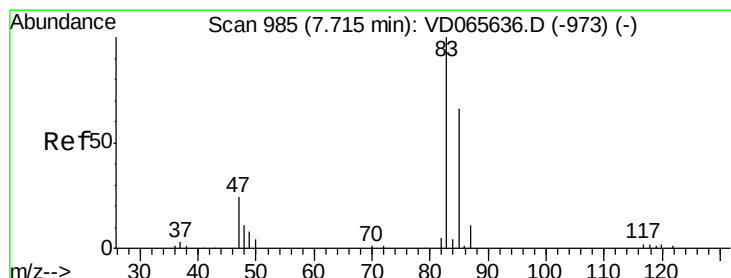
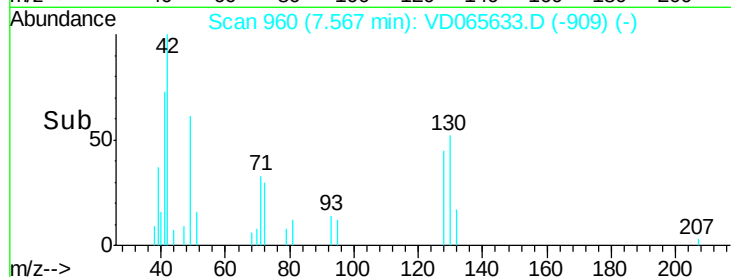
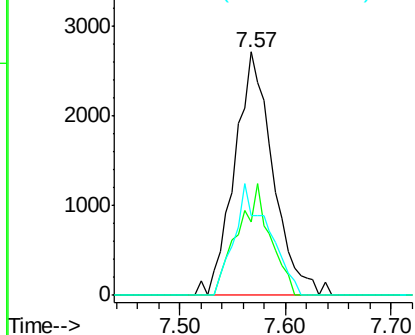
#29
Tetrahydrofuran
Concen: 19.58 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 6882
Ion Ratio Lower Upper
42 100
72 38.4 34.4 51.6
71 40.9 31.4 47.0

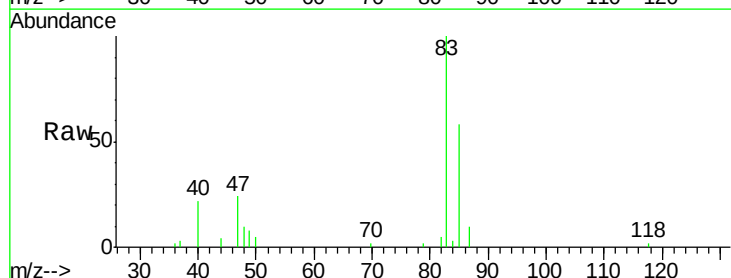


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

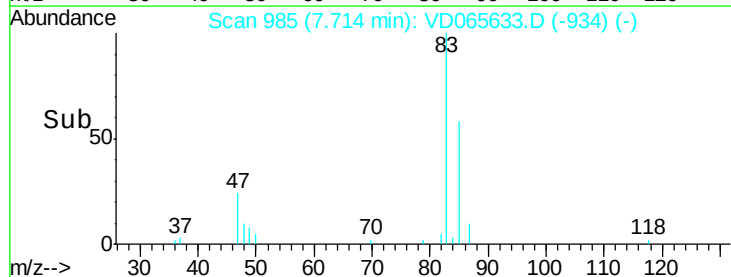
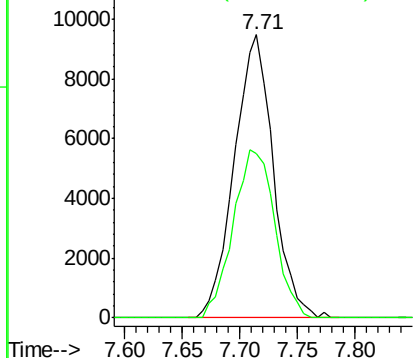


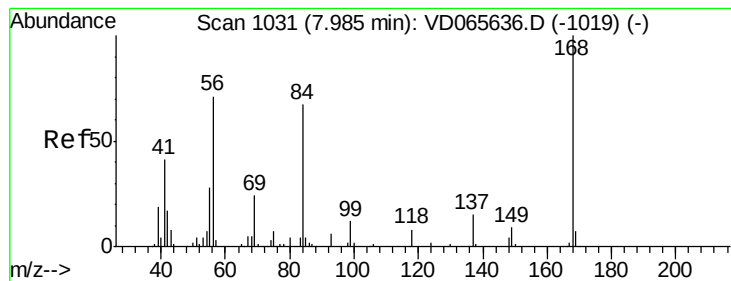
#30
Chloroform
Concen: 5.29 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 83 Resp: 22203
Ion Ratio Lower Upper
83 100
85 58.1 52.6 78.8



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





#31

Cyclohexane

Concen: 5.52 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

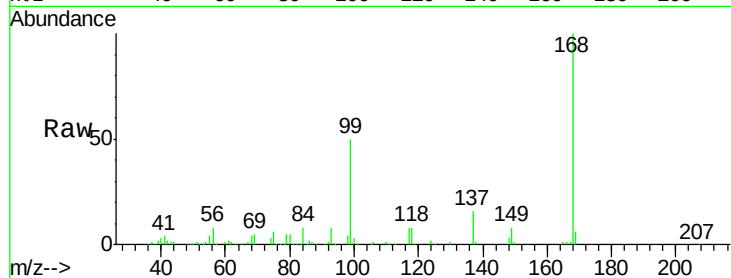
Tgt Ion: 56 Resp: 21560

Ion Ratio Lower Upper

56 100

69 58.8 26.6 40.0#

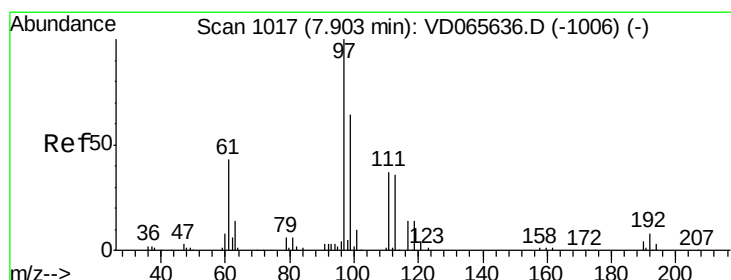
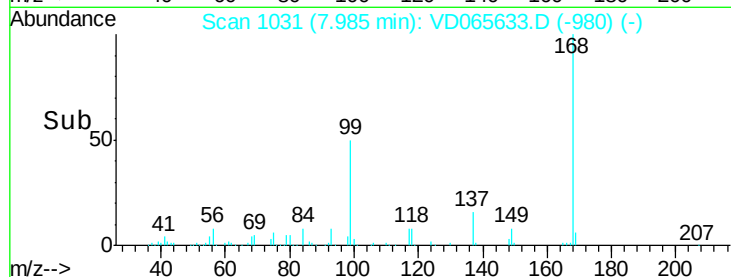
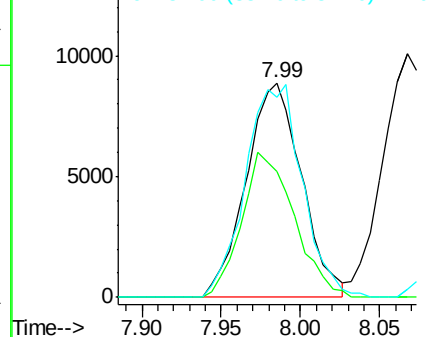
84 93.2 75.3 112.9



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: 5.32 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

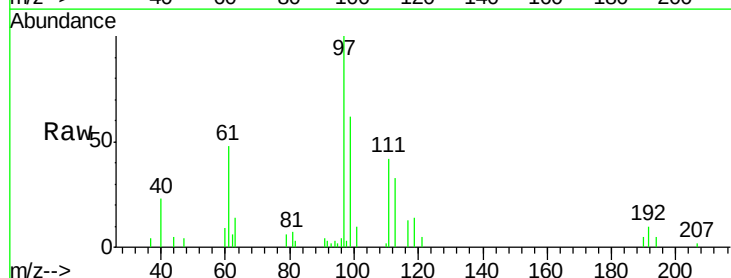
Tgt Ion: 97 Resp: 20094

Ion Ratio Lower Upper

97 100

99 61.1 51.5 77.3

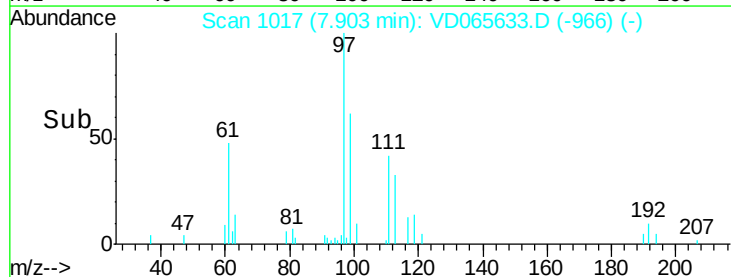
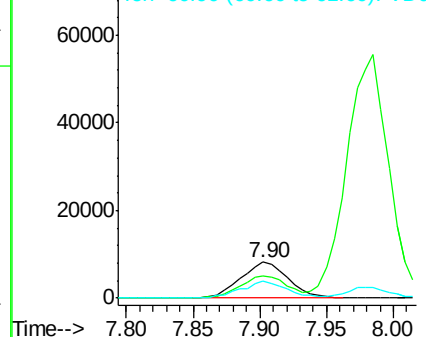
61 45.9 34.8 52.2

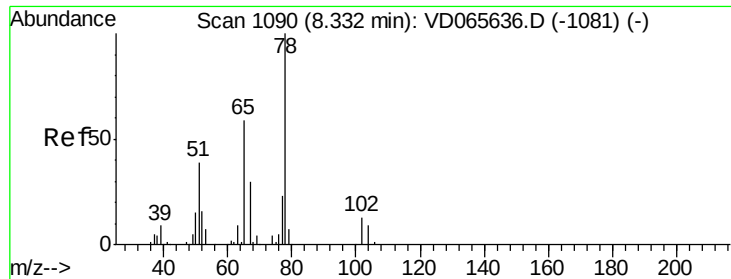


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

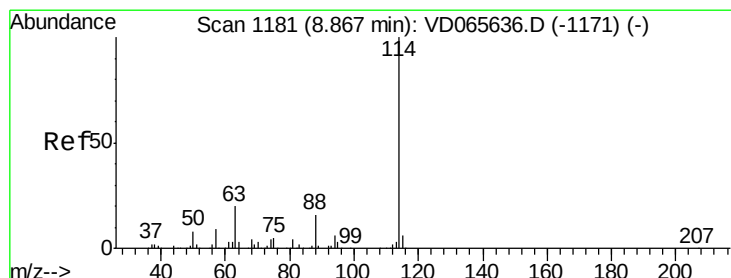
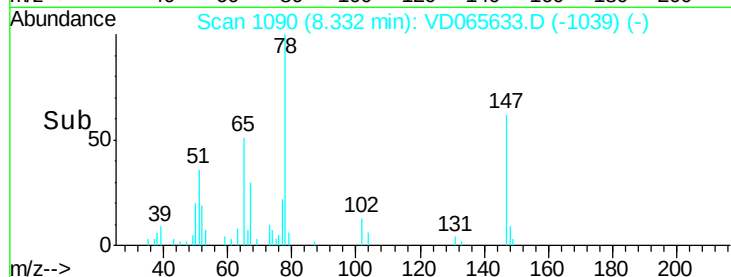
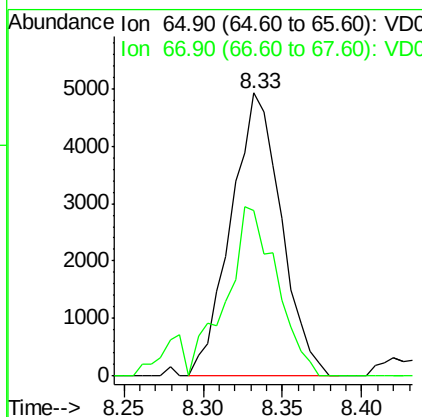
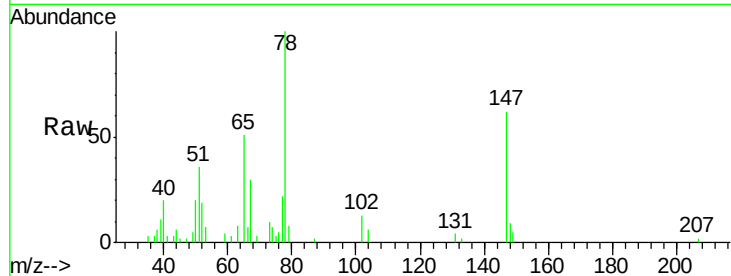




#33
 1,2-Dichloroethane-d4
 Concen: 5.23 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

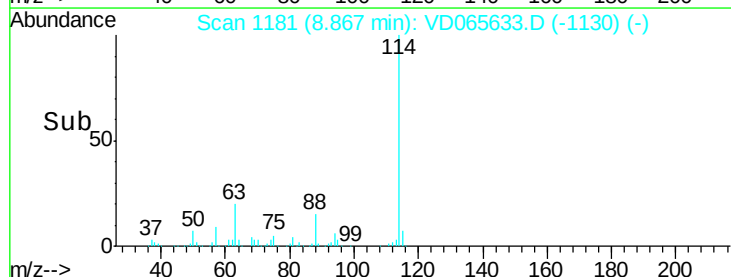
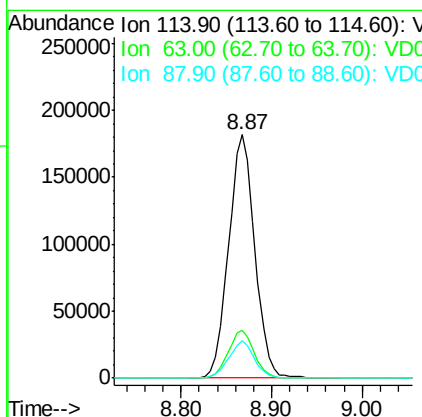
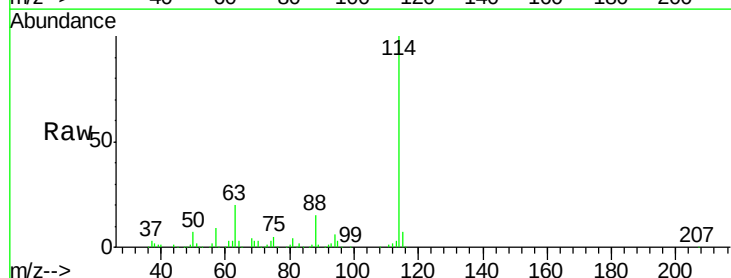
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

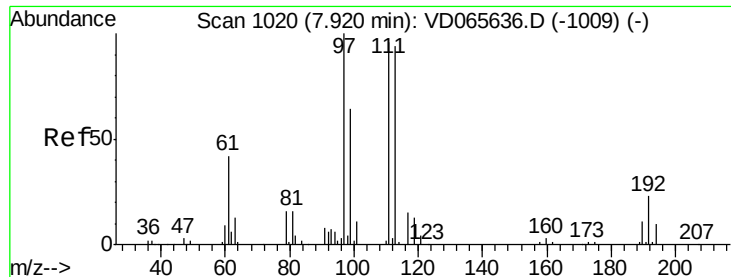
Tgt Ion: 65 Resp: 10854
 Ion Ratio Lower Upper
 65 100
 67 59.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 114 Resp: 365118
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 15.4 0.0 31.6

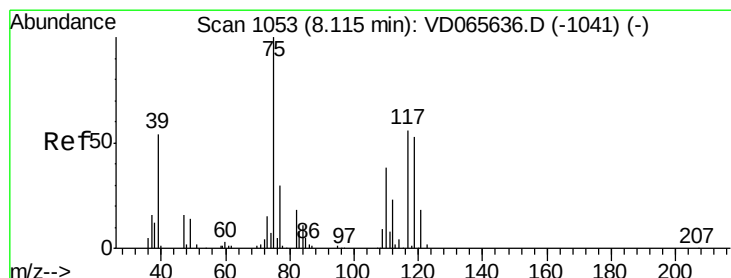
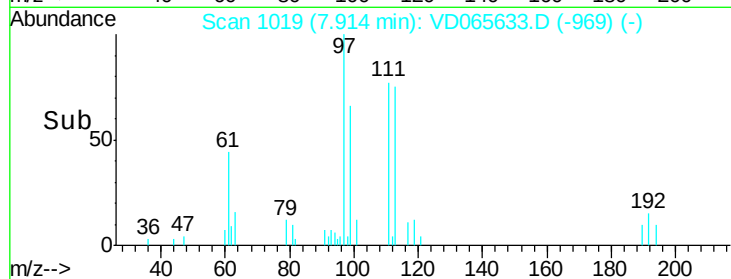
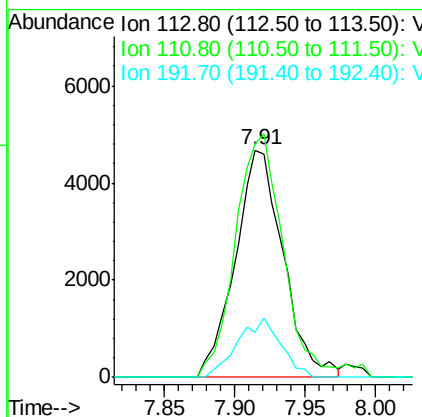
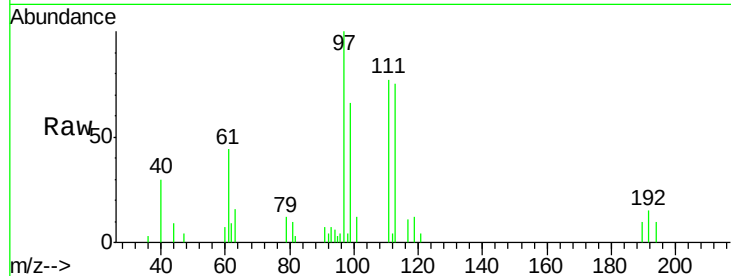




#35
 Dibromofluoromethane
 Concen: 4.88 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

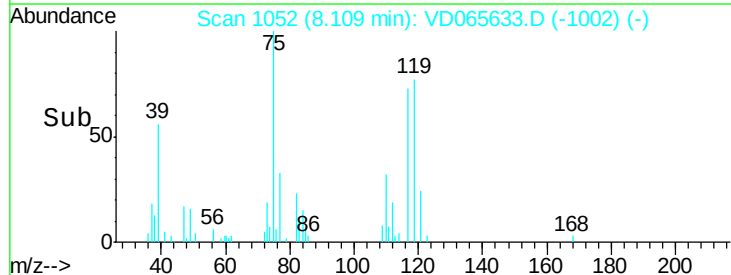
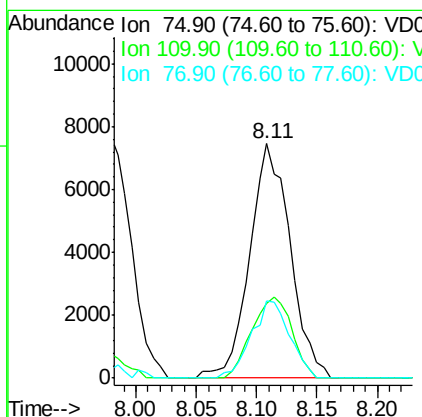
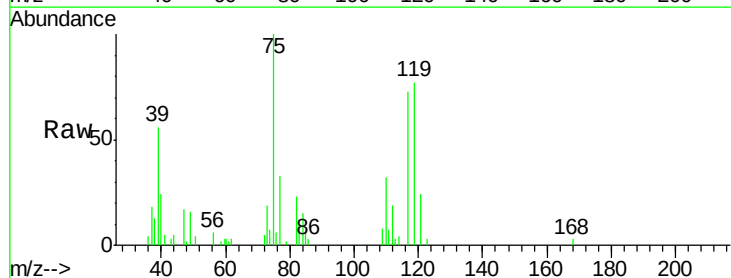
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

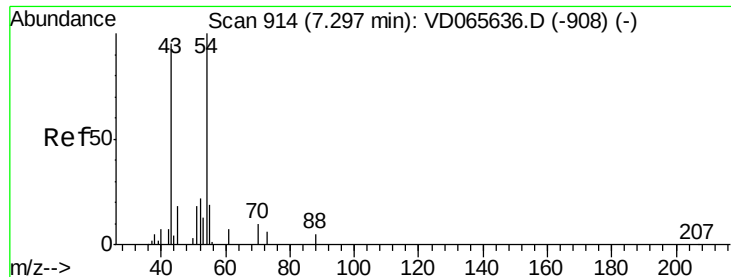
Tgt Ion: 113 Resp: 11100
 Ion Ratio Lower Upper
 113 100
 111 106.2 81.9 122.9
 192 23.5 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 75 Resp: 17440
 Ion Ratio Lower Upper
 75 100
 110 34.2 18.3 54.8
 77 31.0 24.6 37.0

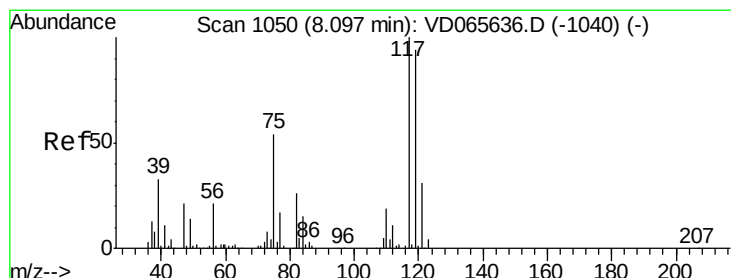
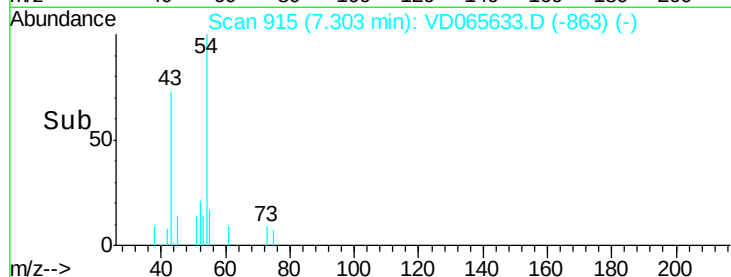
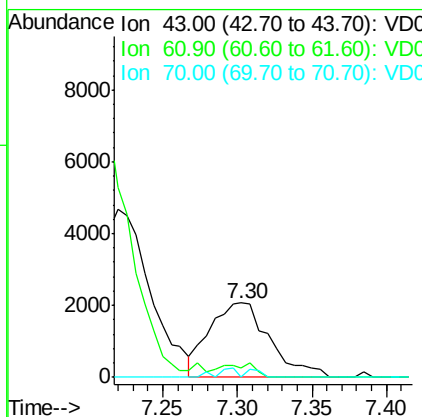
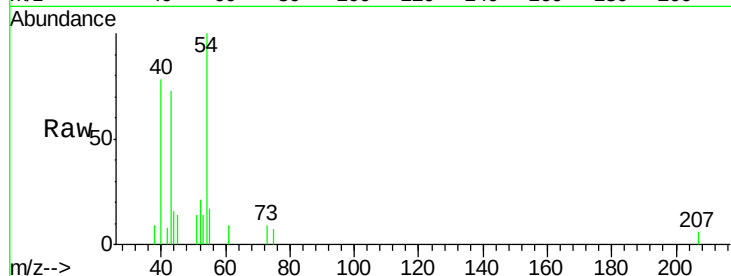




#37
Ethyl Acetate
Concen: 4.13 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

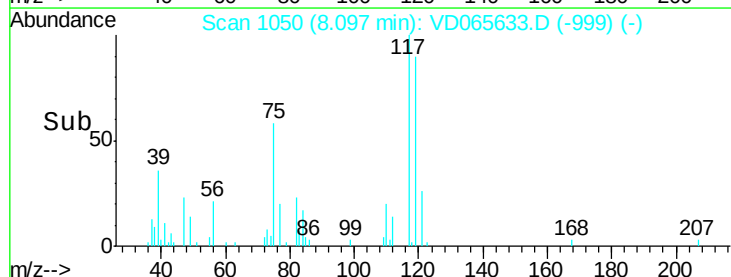
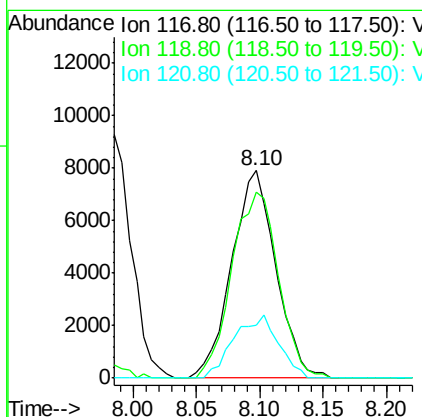
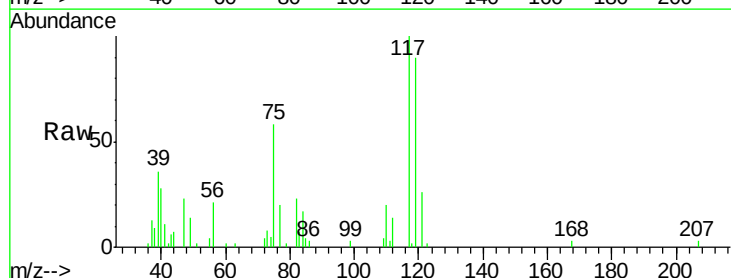
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

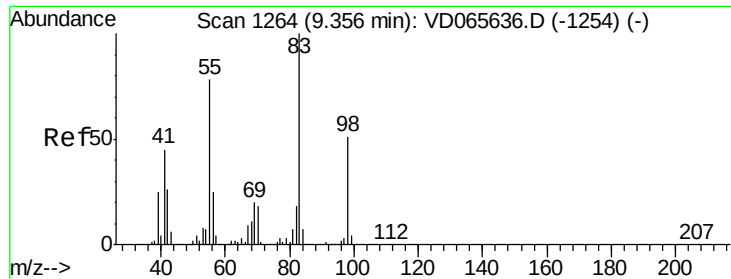
Tgt Ion: 43 Resp: 5801
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 2.5 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 117 Resp: 19152
Ion Ratio Lower Upper
117 100
119 89.5 75.3 112.9
121 25.7 24.9 37.3

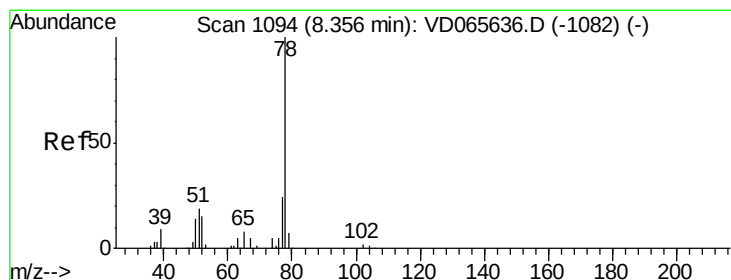
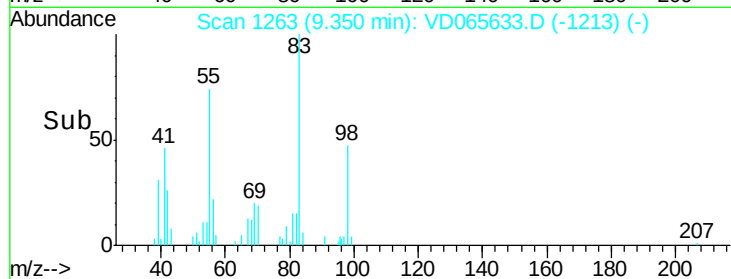
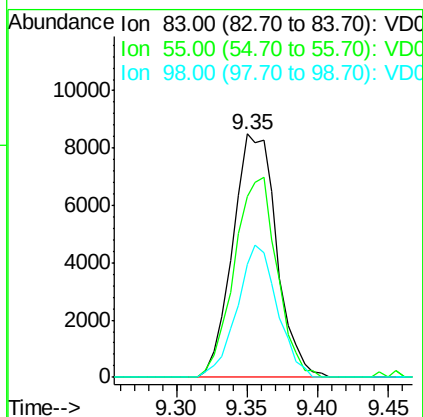
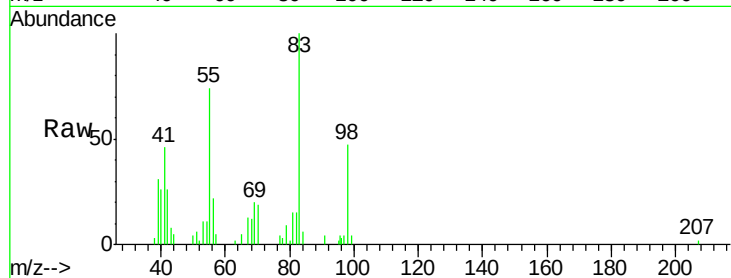




#39
Methylcyclohexane
Concen: 4.50 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

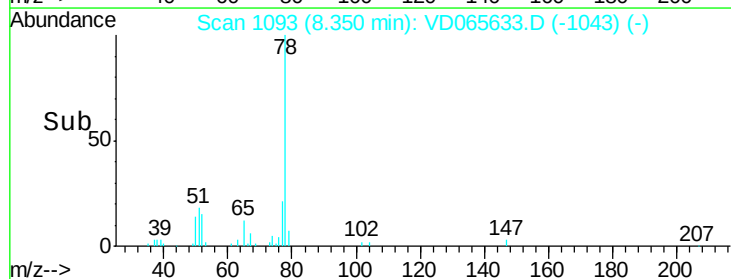
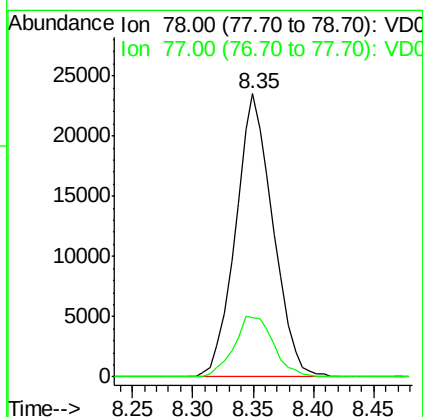
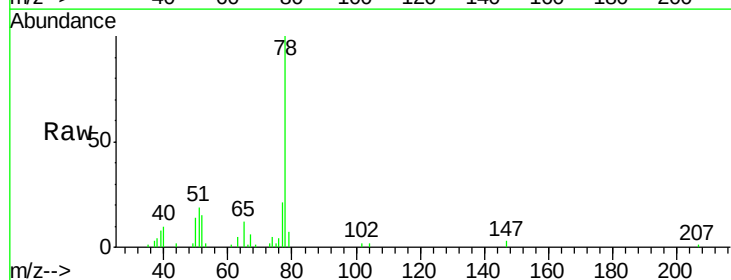
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

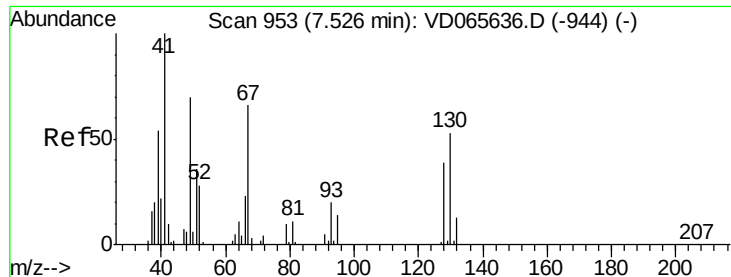
Tgt Ion: 83 Resp: 18464
Ion Ratio Lower Upper
83 100
55 74.4 62.3 93.5
98 46.6 40.5 60.7



#40
Benzene
Concen: 4.97 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 78 Resp: 50372
Ion Ratio Lower Upper
78 100
77 20.8 18.9 28.3





#41

Methacrylonitrile

Concen: 2.86 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 1992

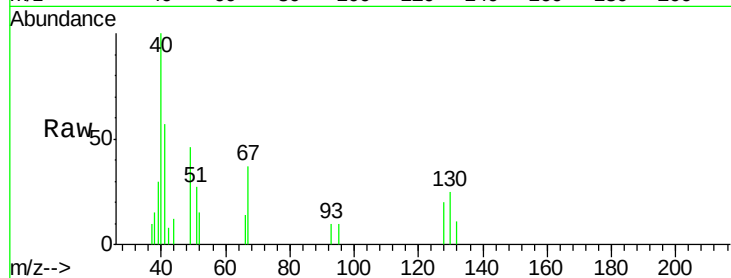
Ion Ratio Lower Upper

41 100

39 86.4 0.0 0.0#

67 101.9 0.0 0.0#

52 39.6 0.0 0.0#

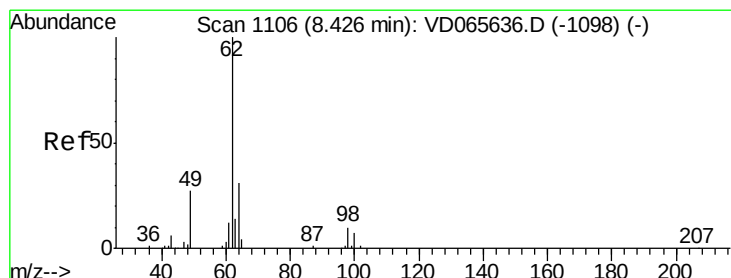
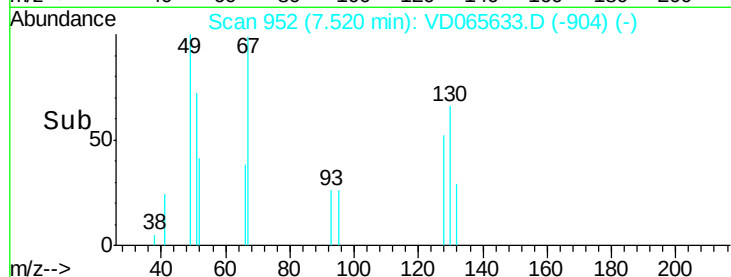
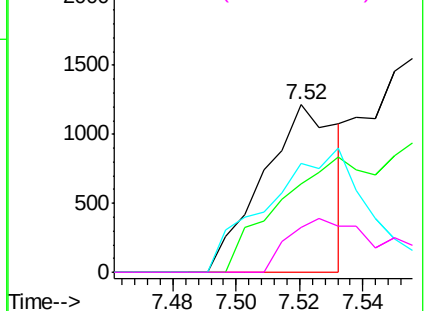


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.73 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065633.D

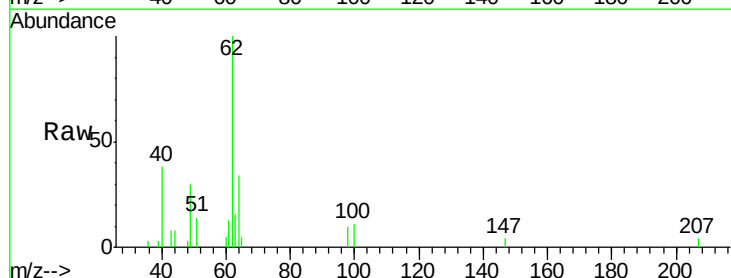
Acq: 15 Apr 2020 13:29

Tgt Ion: 62 Resp: 13136

Ion Ratio Lower Upper

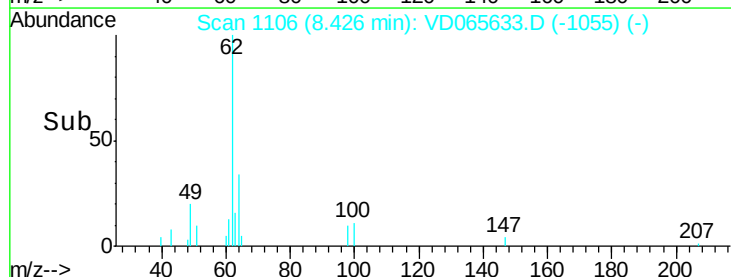
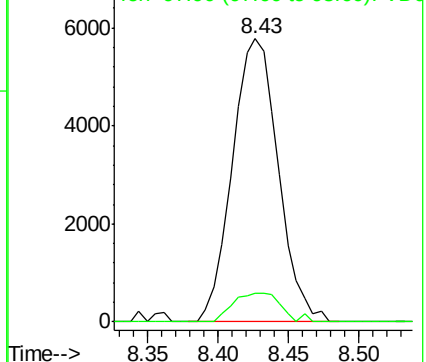
62 100

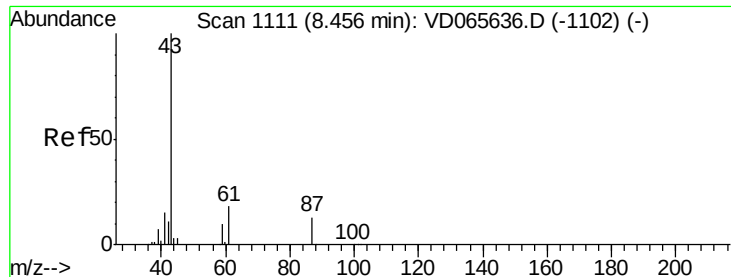
98 10.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

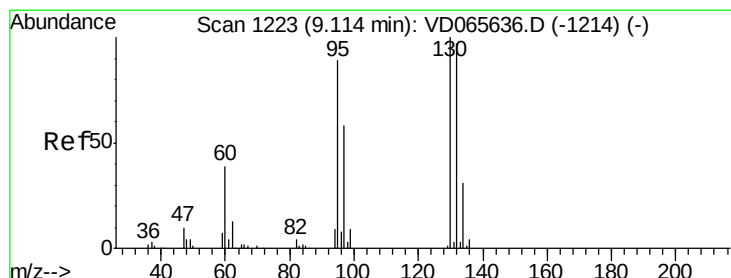
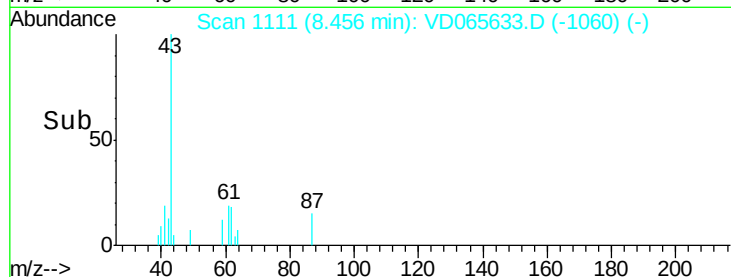
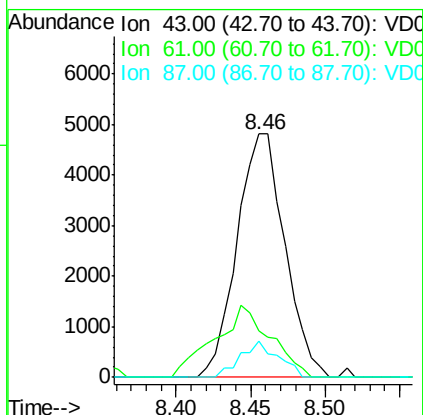
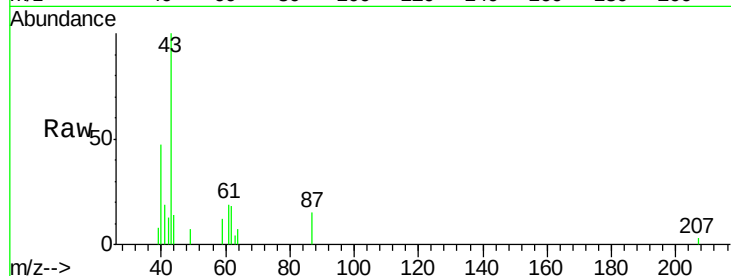




#43
Isopropyl Acetate
Concen: 4.22 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

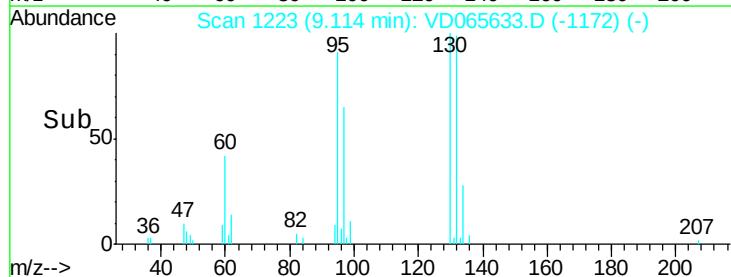
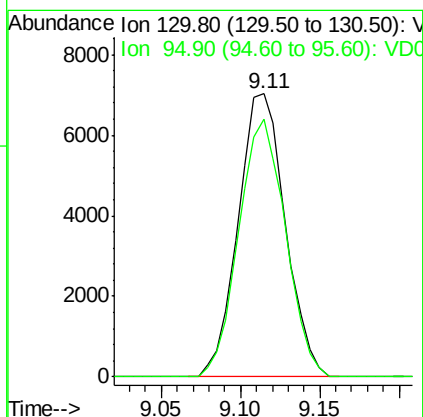
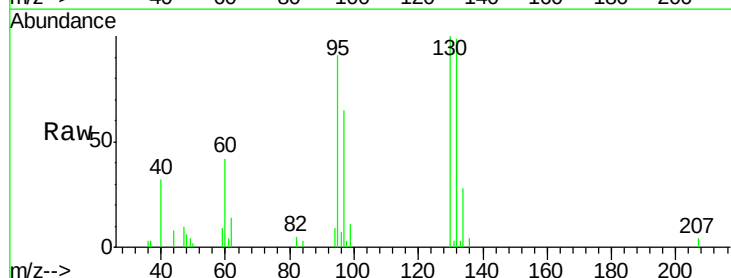
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

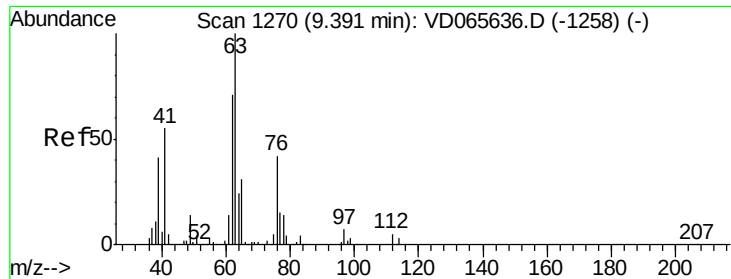
Tgt Ion: 43 Resp: 10695
Ion Ratio Lower Upper
43 100
61 34.8 25.0 37.6
87 11.6 9.9 14.9



#44
Trichloroethene
Concen: 5.11 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 130 Resp: 14506
Ion Ratio Lower Upper
130 100
95 91.1 0.0 178.4

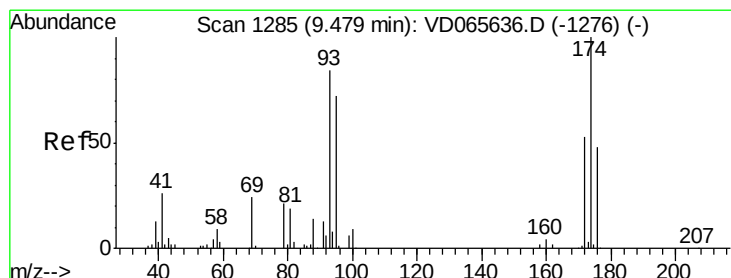
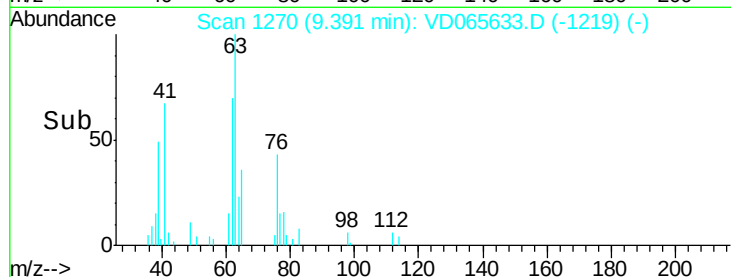
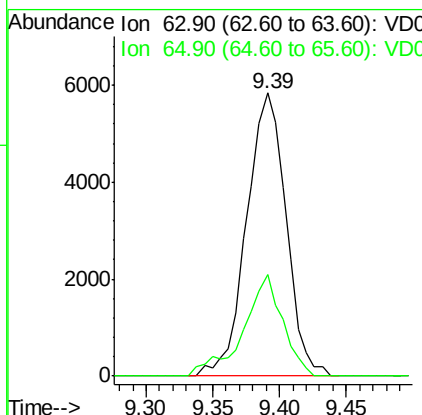
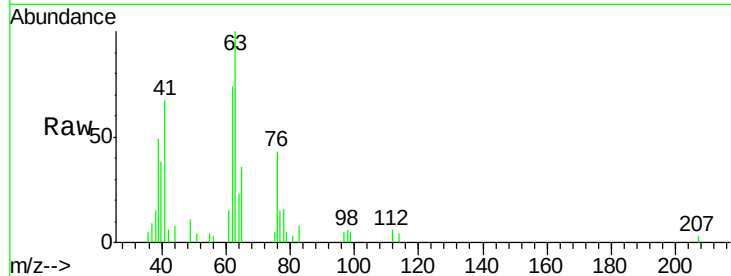




#45
 1,2-Dichloropropane
 Concen: 4.80 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

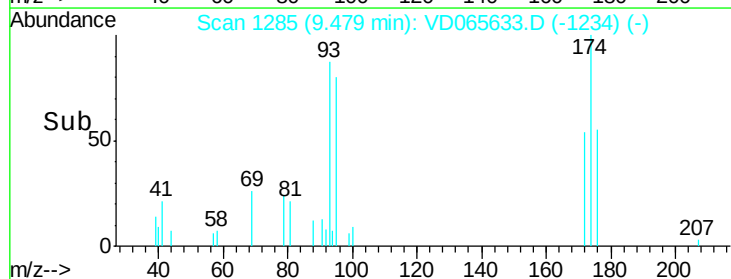
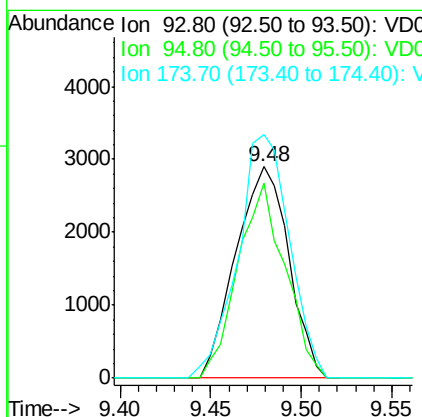
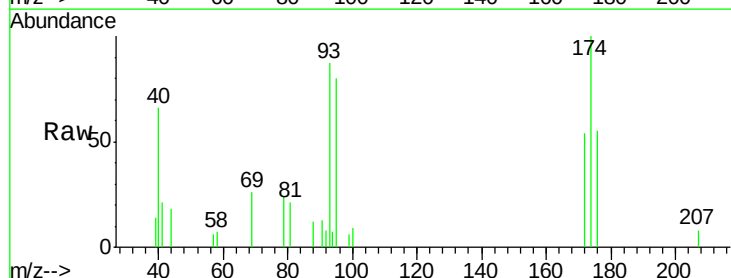
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

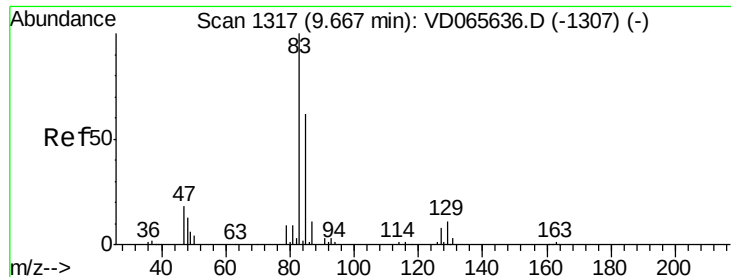
Tgt Ion: 63 Resp: 11936
 Ion Ratio Lower Upper
 63 100
 65 36.0 24.7 37.1



#46
 Dibromomethane
 Concen: 4.57 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 93 Resp: 5879
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.4 101.2
 174 112.8 94.1 141.1

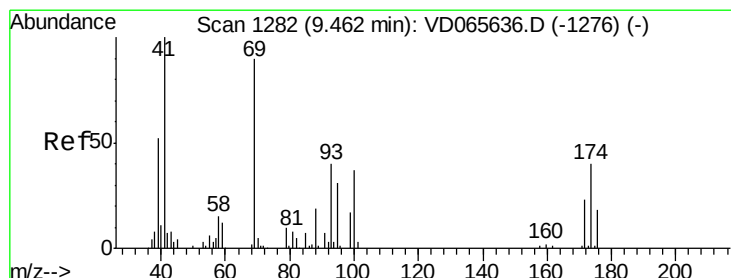
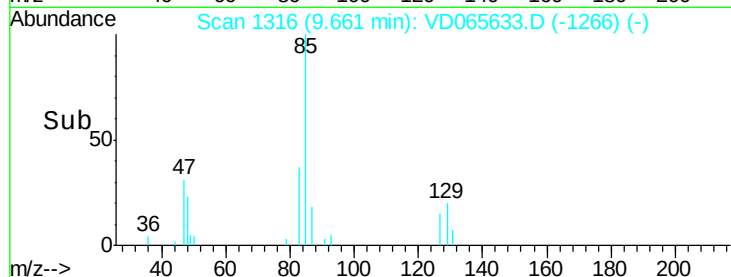
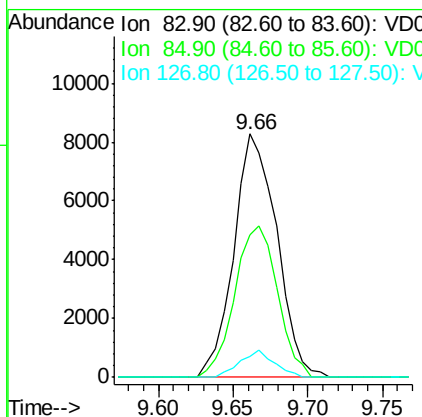
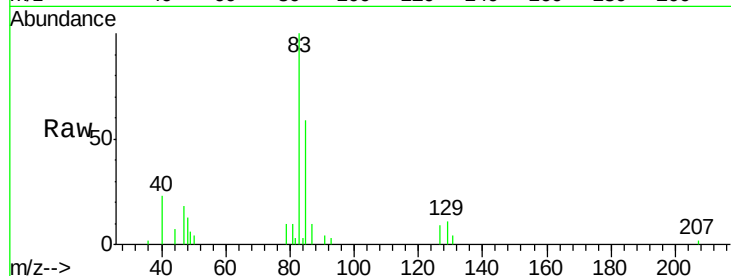




#47
Bromodichloromethane
Concen: 4.83 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

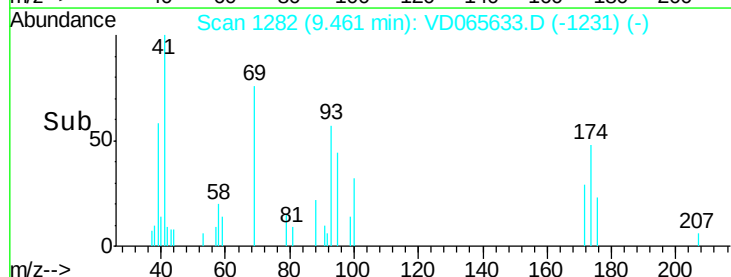
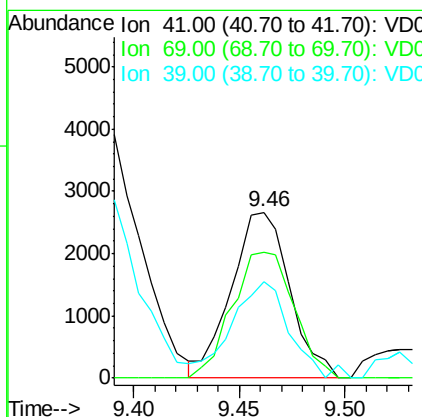
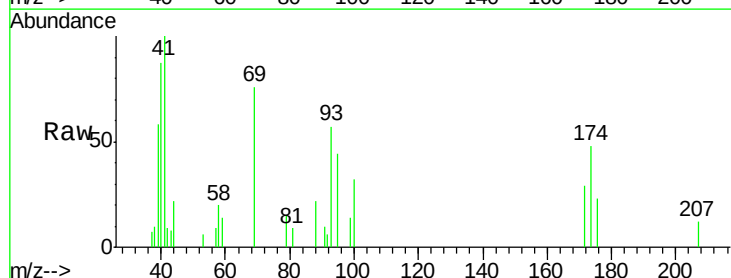
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

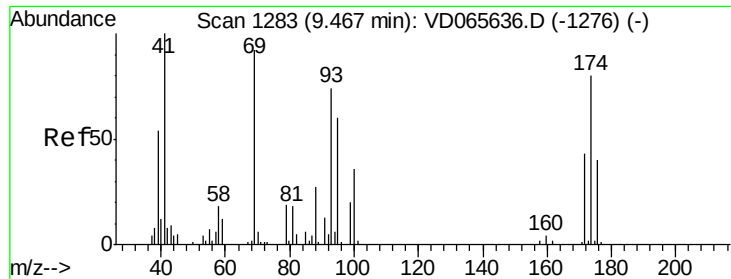
Tgt Ion: 83 Resp: 16531
Ion Ratio Lower Upper
83 100
85 58.7 49.8 74.8
127 8.8 6.6 9.8



#48
Methyl methacrylate
Concen: 5.37 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 41 Resp: 5124
Ion Ratio Lower Upper
41 100
69 80.1 66.8 100.2
39 58.0 39.6 59.4

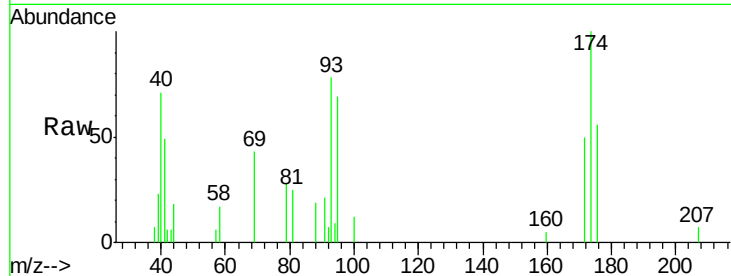




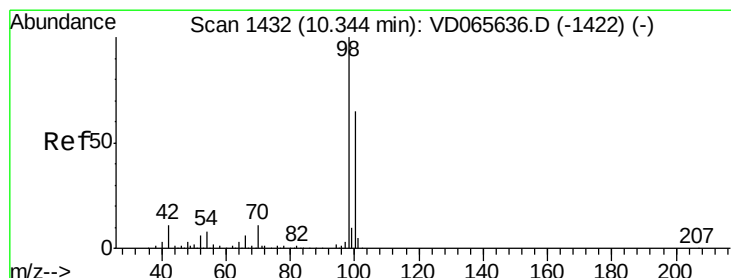
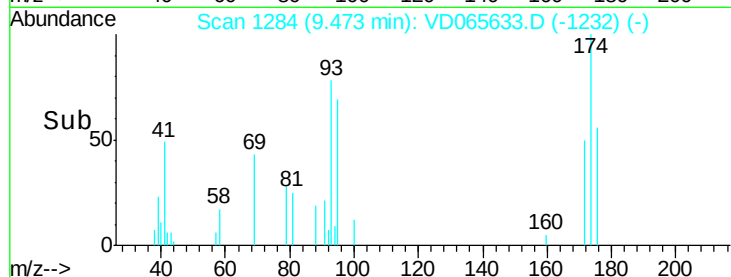
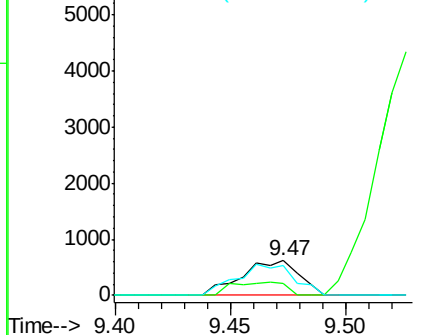
#49
1,4-Dioxane
Concen: 95.91 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 1067
Ion Ratio Lower Upper
88 100
43 34.5 28.1 42.1
58 90.1 55.7 83.5#

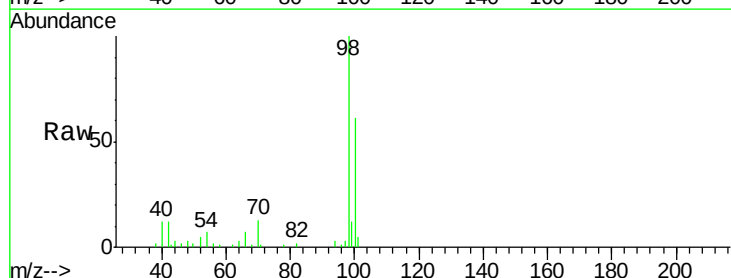


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

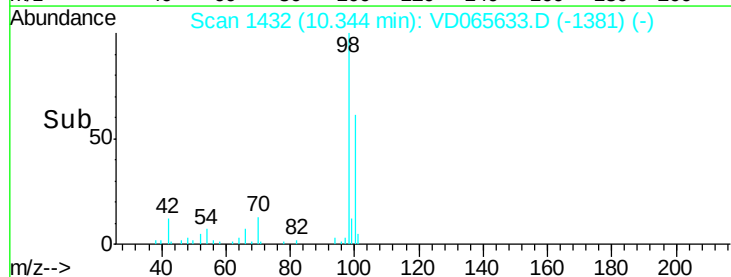
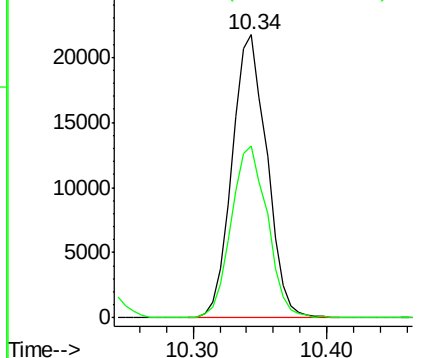


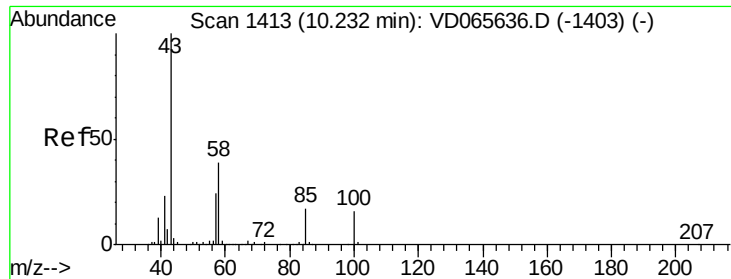
#50
Toluene-d8
Concen: 4.71 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 98 Resp: 39490
Ion Ratio Lower Upper
98 100
100 62.8 52.4 78.6



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

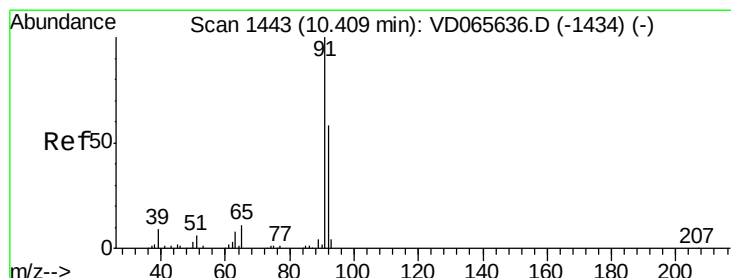
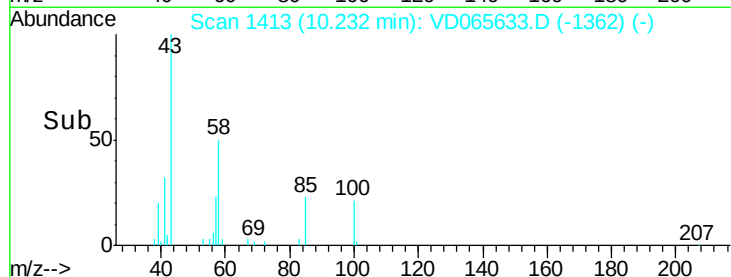
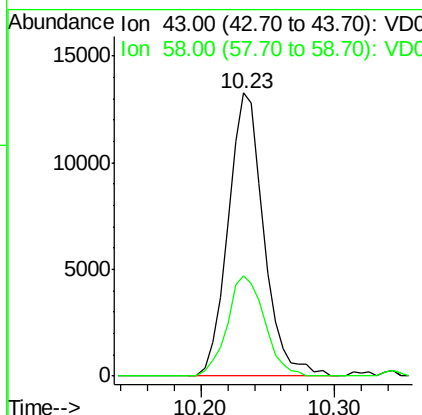
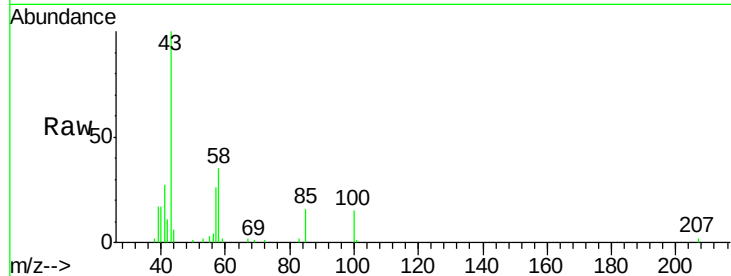




#51
 4-Methyl-2-Pentanone
 Concen: 26.45 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

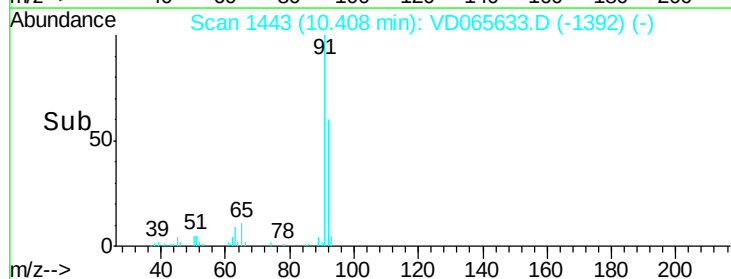
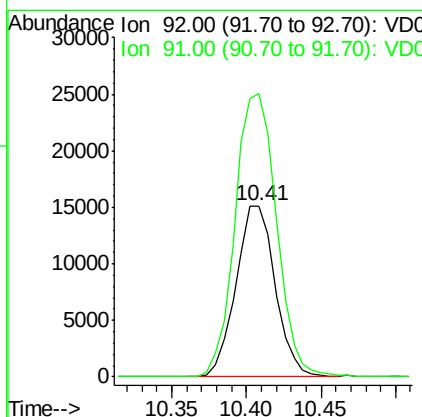
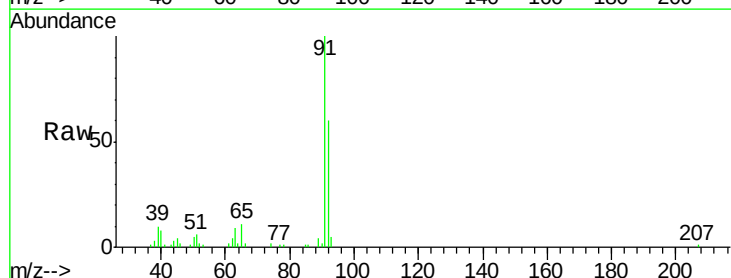
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

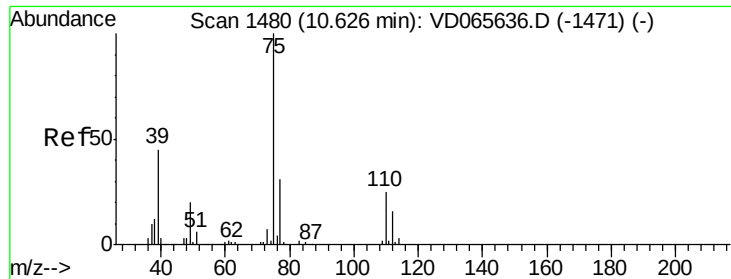
Tgt Ion: 43 Resp: 24671
 Ion Ratio Lower Upper
 43 100
 58 36.9 31.1 46.7



#52
 Toluene
 Concen: 4.41 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 92 Resp: 27576
 Ion Ratio Lower Upper
 92 100
 91 175.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 4.28 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

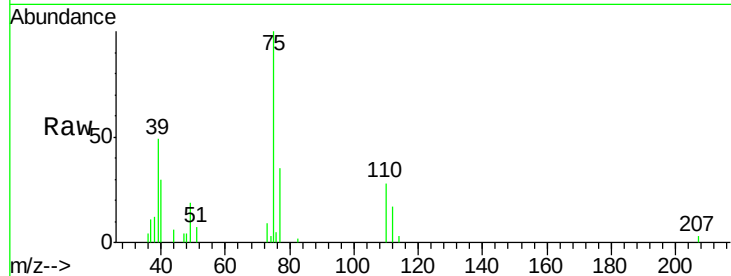
VSTDIC005

Tgt Ion: 75 Resp: 13464

Ion Ratio Lower Upper

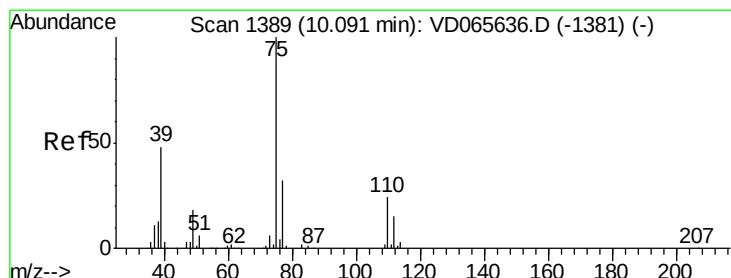
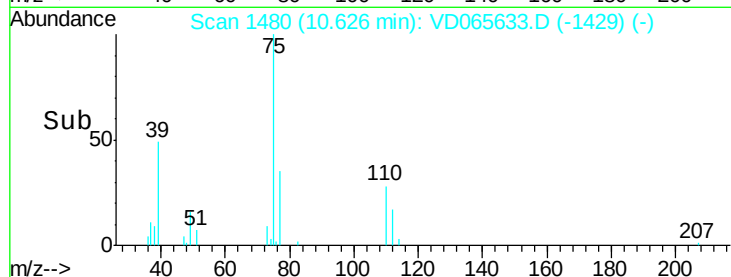
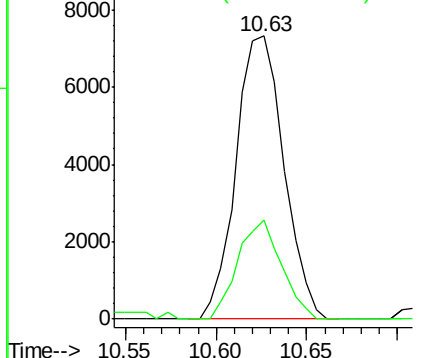
75 100

77 35.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.42 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

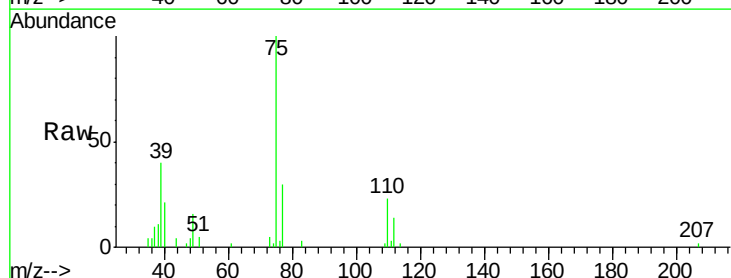
Tgt Ion: 75 Resp: 16844

Ion Ratio Lower Upper

75 100

77 30.4 25.2 37.8

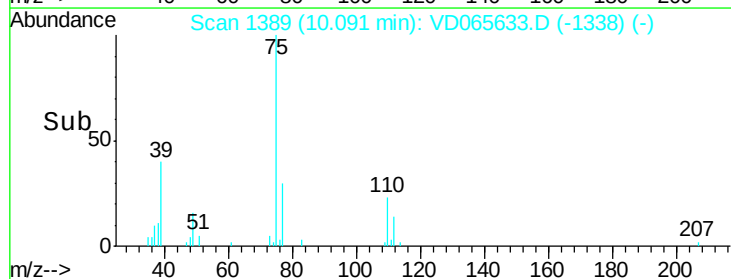
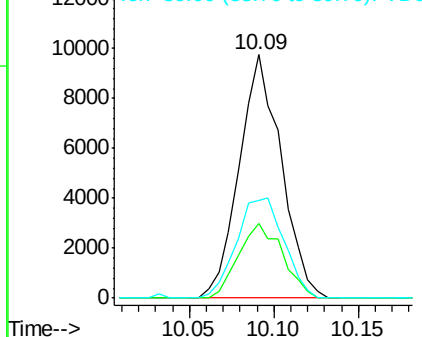
39 40.2 38.7 58.1

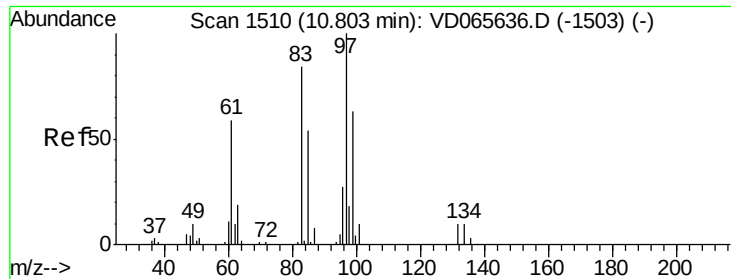


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 4.57 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 8323

Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.4	101.0
85	54.3	43.4	65.0
99	66.6	50.5	75.7

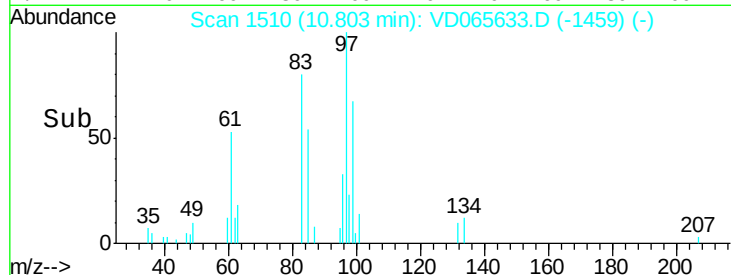
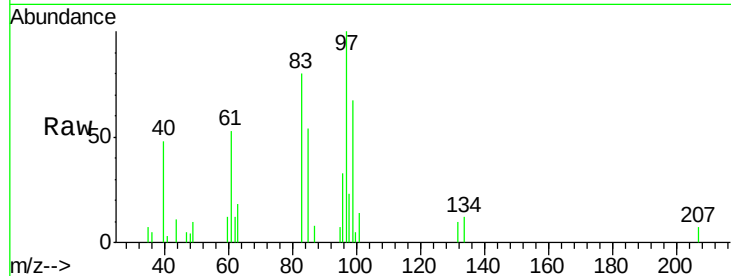
Ion Ratio Lower Upper

97 100

83 80.2 67.4 101.0

85 54.3 43.4 65.0

99 66.6 50.5 75.7

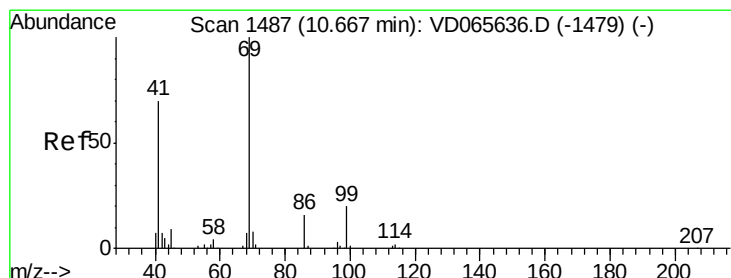
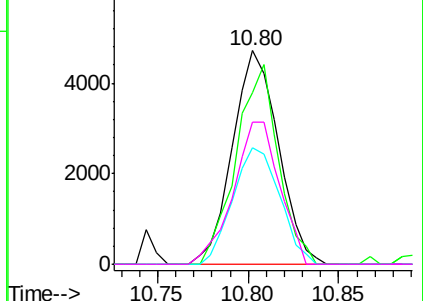


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 6.32 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Tgt Ion: 69 Resp: 6955

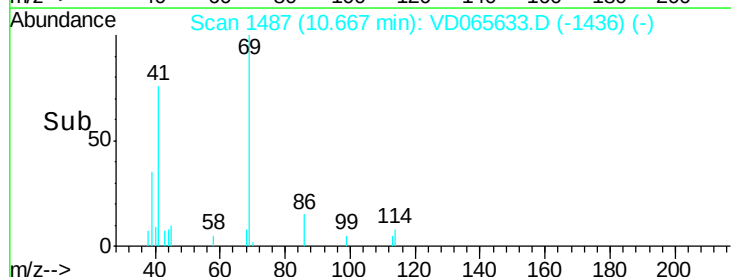
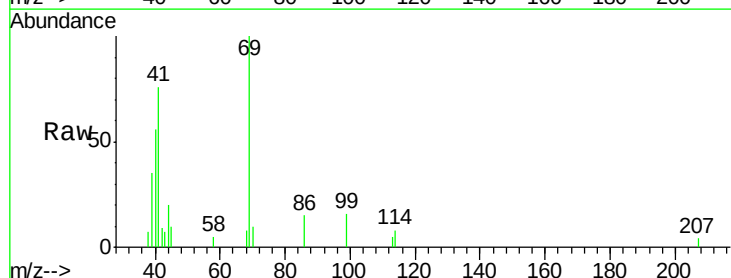
Ion	Ratio	Lower	Upper
69	100		
41	74.9	56.2	84.4
39	33.5	26.6	39.8

Ion Ratio Lower Upper

69 100

41 74.9 56.2 84.4

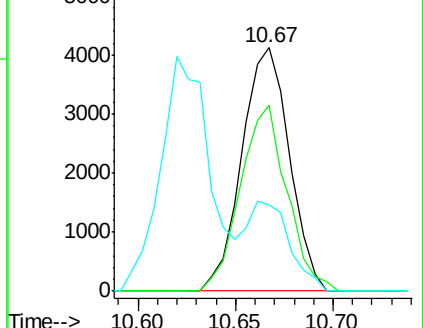
39 33.5 26.6 39.8

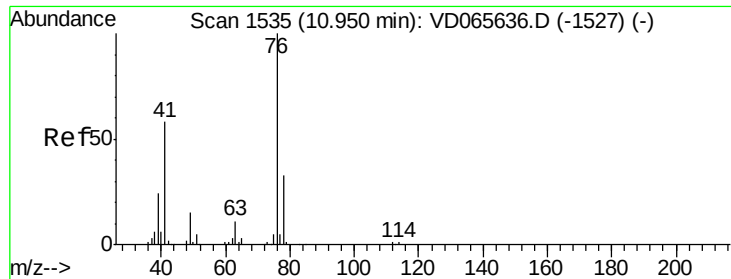


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

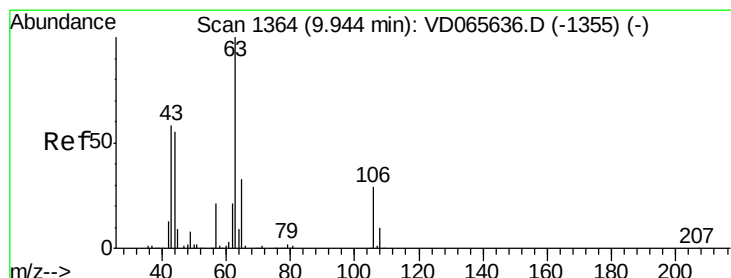
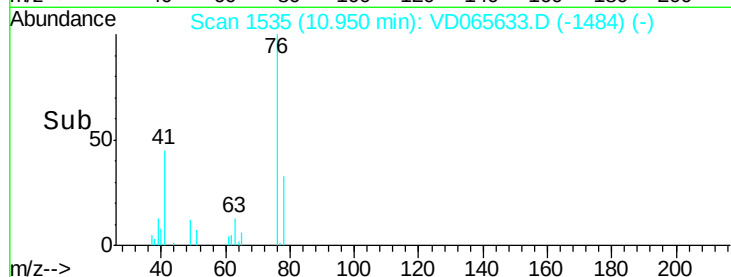
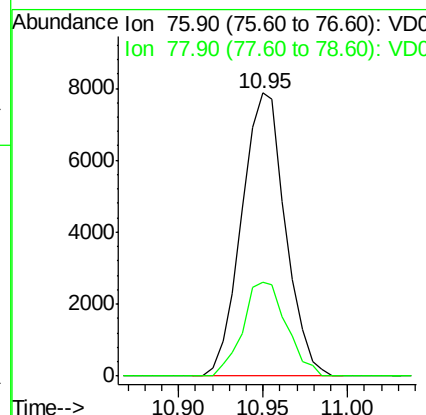
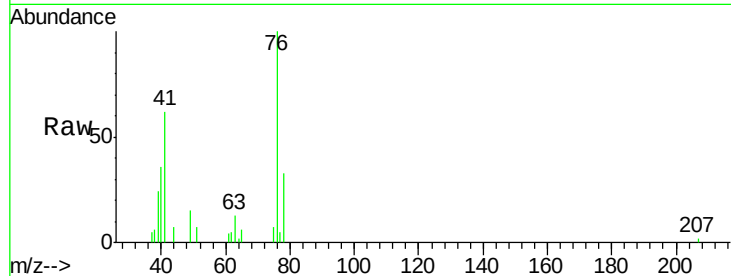




#57
 1,3-Dichloropropane
 Concen: 4.56 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

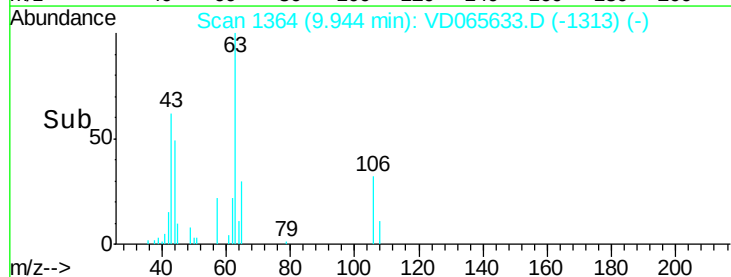
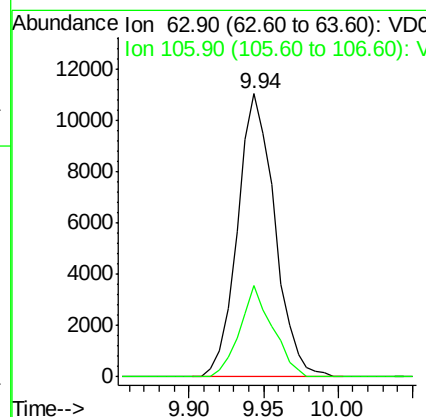
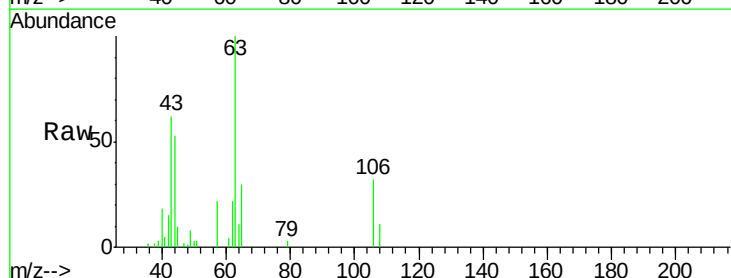
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

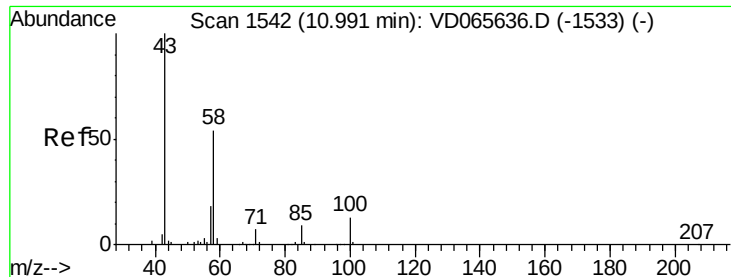
Tgt Ion: 76 Resp: 14132
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.92 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 63 Resp: 19157
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.8 35.6

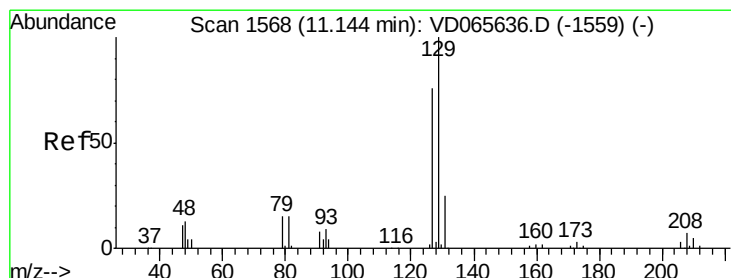
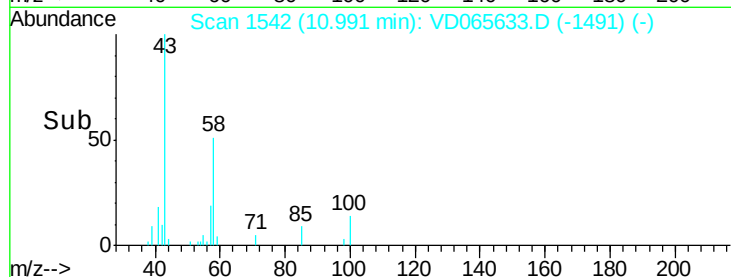
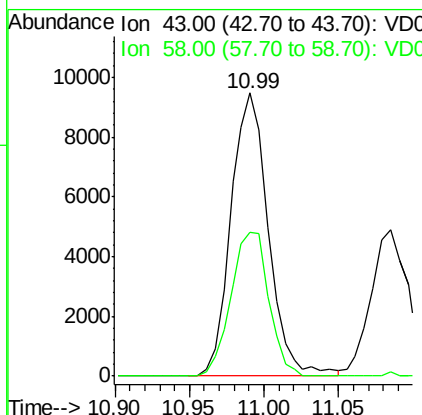
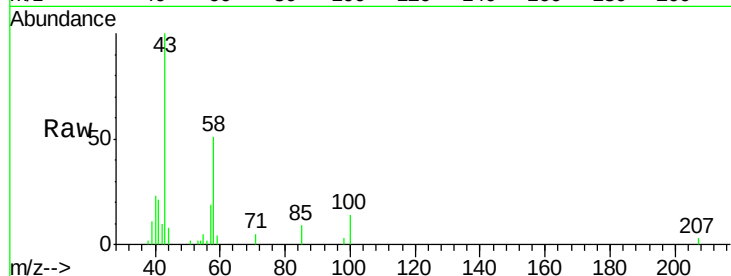




#59
2-Hexanone
Concen: 26.32 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

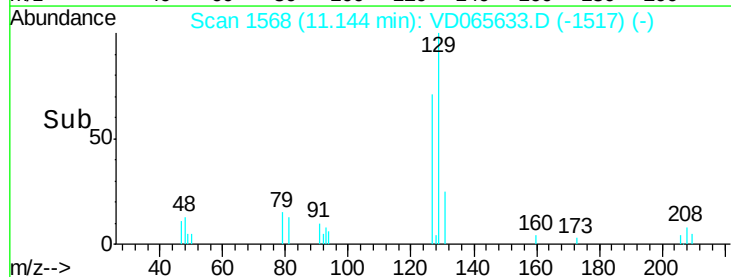
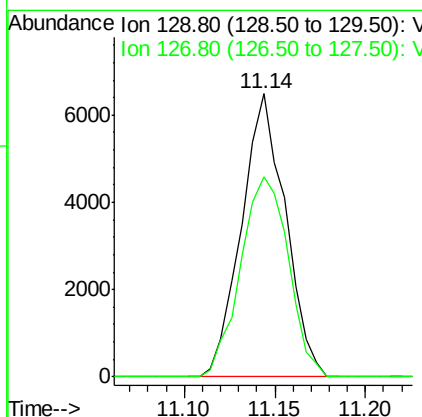
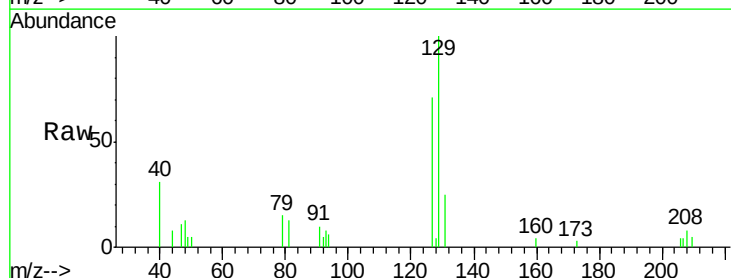
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

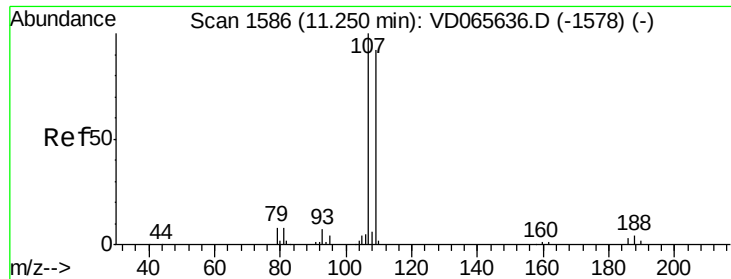
Tgt Ion: 43 Resp: 16552
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4



#60
Dibromochloromethane
Concen: 4.56 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 129 Resp: 10925
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3

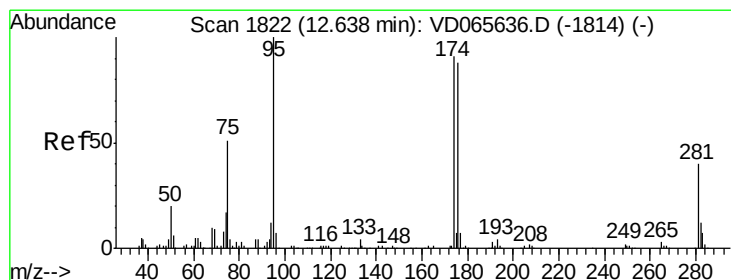
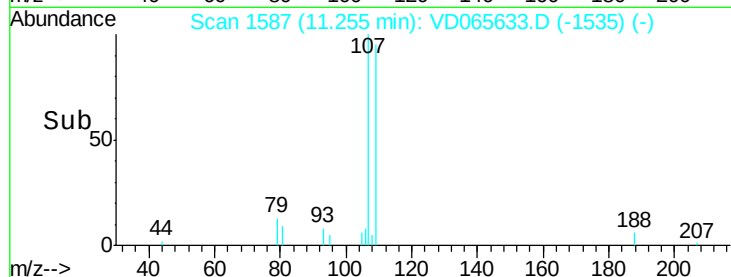
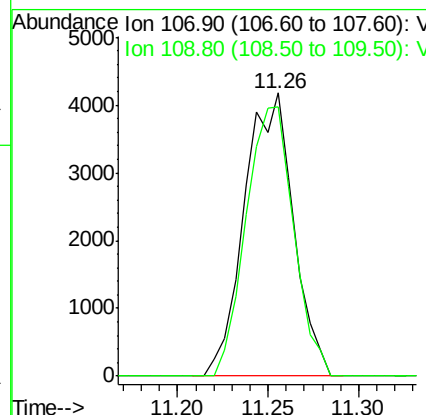
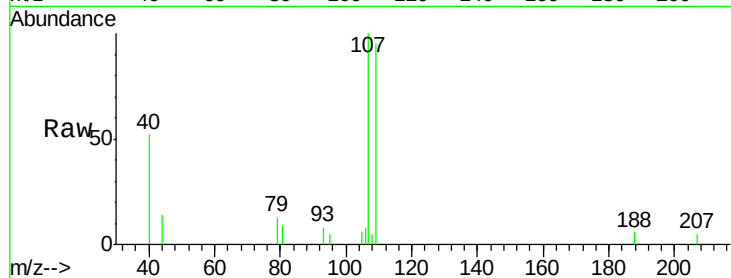




#61
 1,2-Dibromoethane
 Concen: 4.49 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

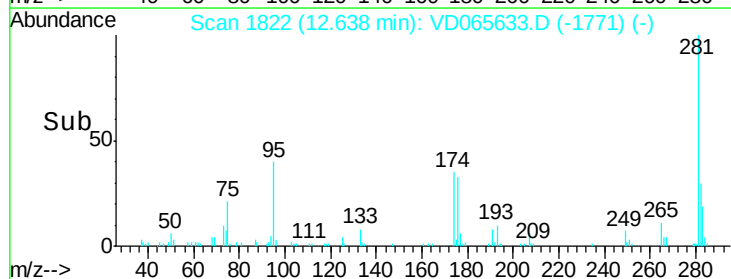
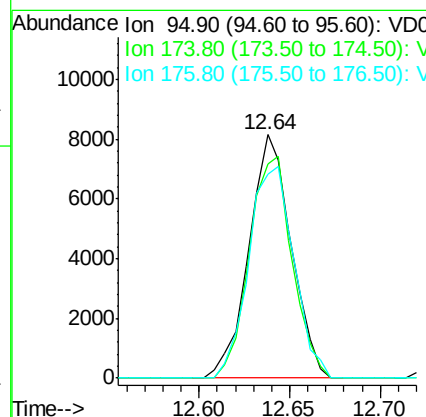
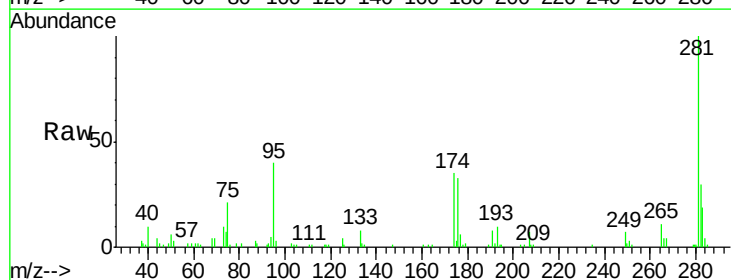
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

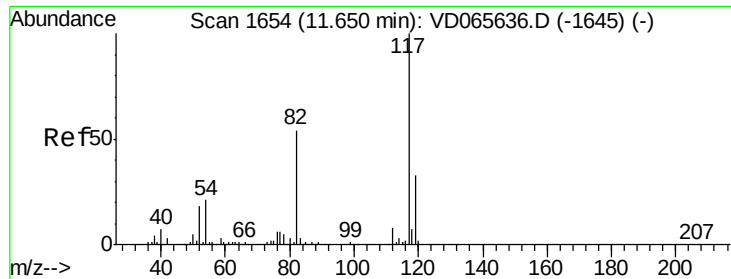
Tgt Ion: 107 Resp: 7863
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 4.73 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 95 Resp: 13198
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 183.8
 176 92.6 0.0 181.4

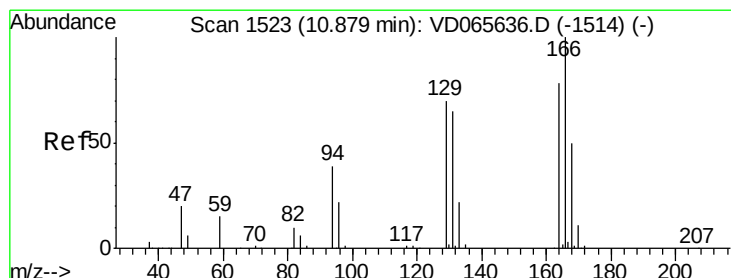
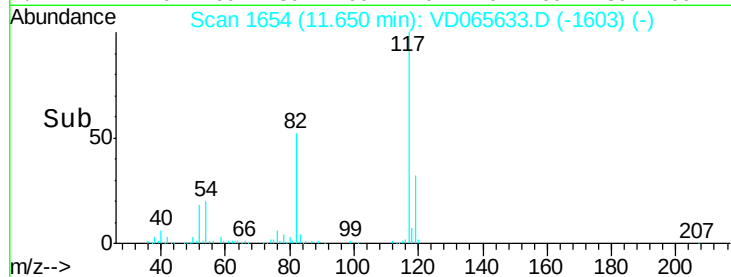
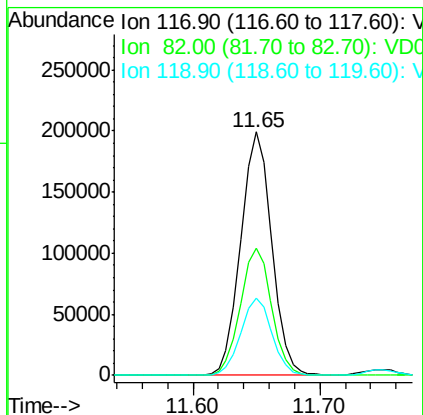
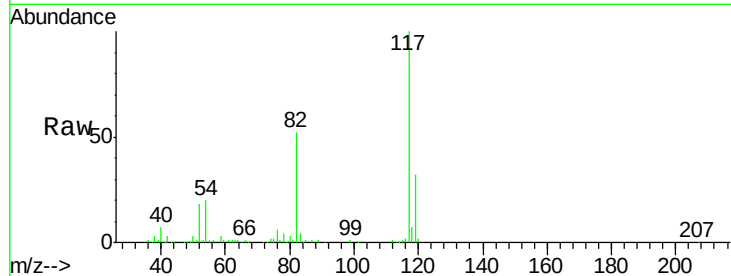




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

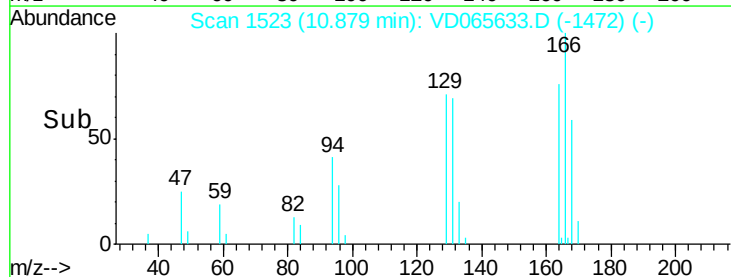
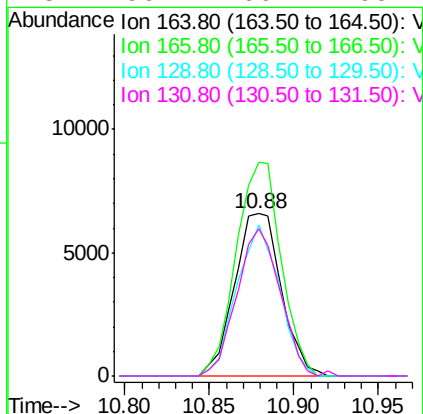
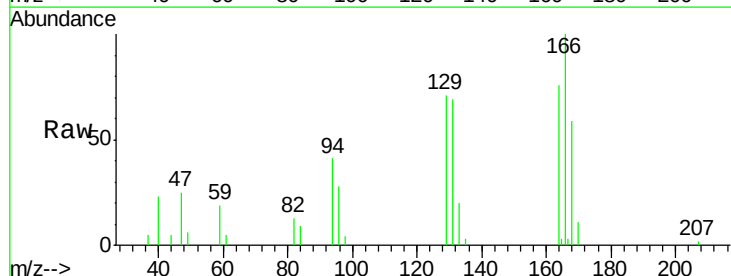
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

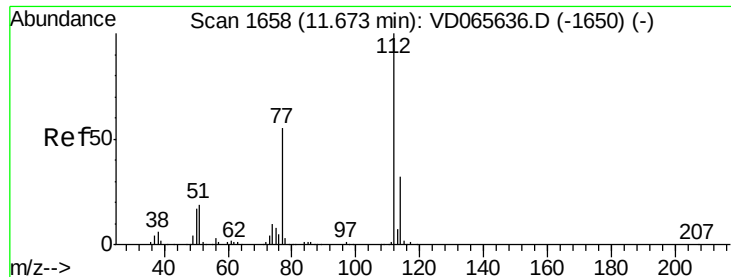
Tgt Ion:117 Resp: 339114
Ion Ratio Lower Upper
117 100
82 52.3 43.2 64.8
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 5.22 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion:164 Resp: 12692
Ion Ratio Lower Upper
164 100
166 131.6 102.3 153.5
129 93.0 71.7 107.5
131 90.7 66.2 99.4

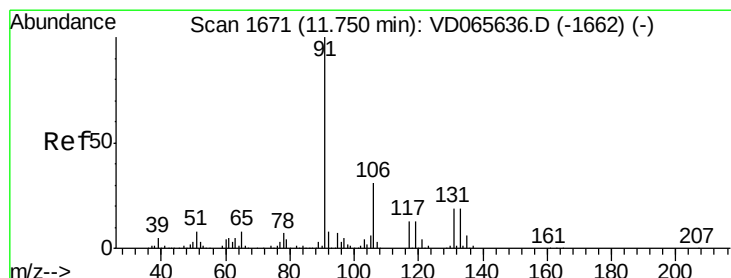
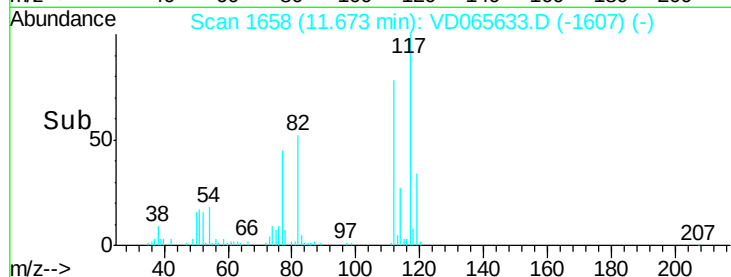
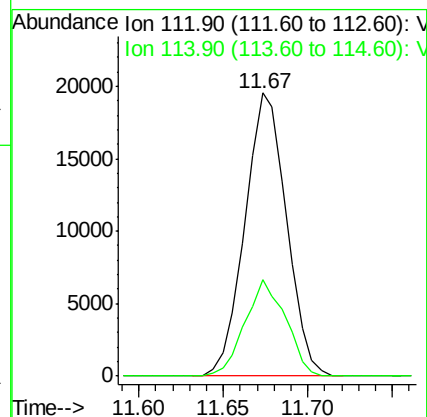
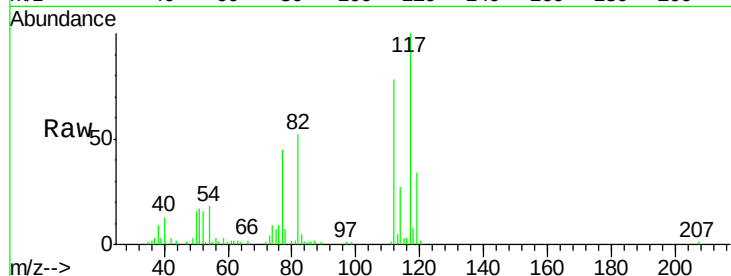




#65
Chlorobenzene
Concen: 4.99 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

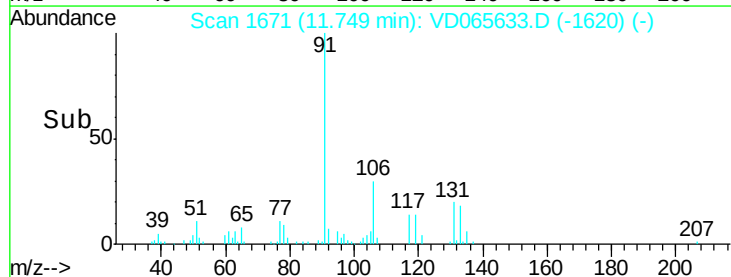
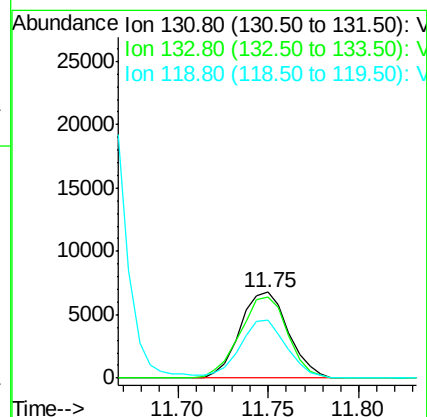
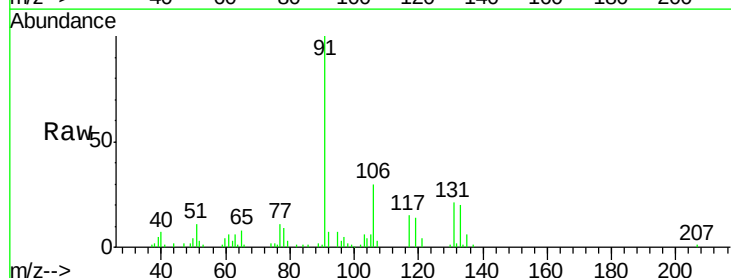
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

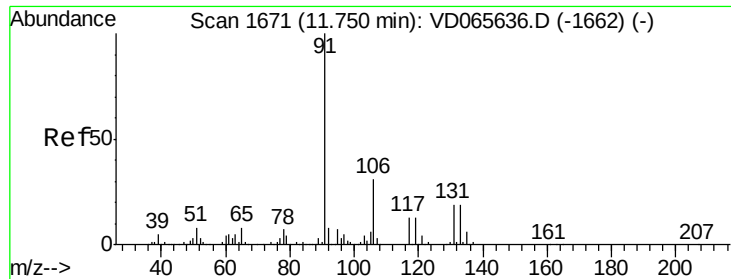
Tgt Ion:112 Resp: 33508
Ion Ratio Lower Upper
112 100
114 34.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.91 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion:131 Resp: 12599
Ion Ratio Lower Upper
131 100
133 93.2 47.7 143.1
119 65.1 32.6 97.7





#67

Ethyl Benzene

Concen: 4.65 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

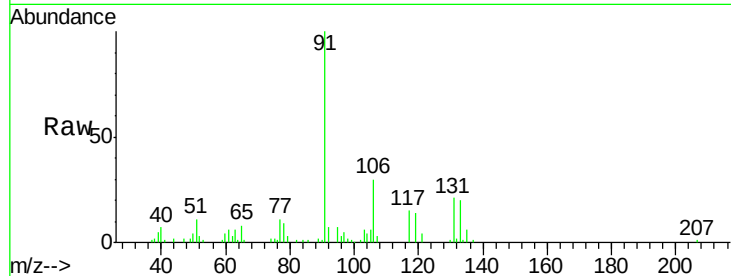
VSTDIC005

Tgt Ion: 91 Resp: 53383

Ion Ratio Lower Upper

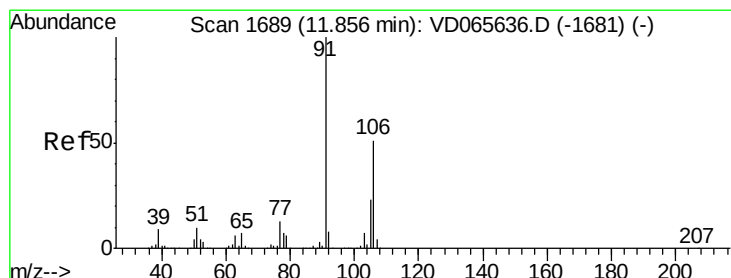
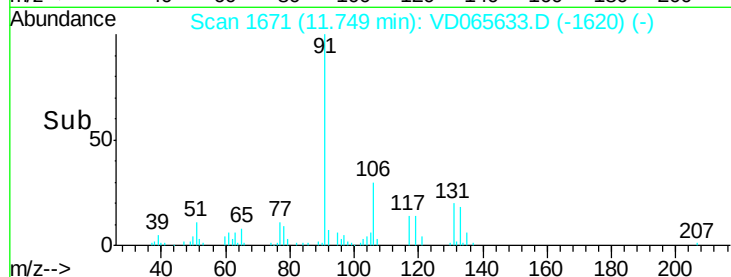
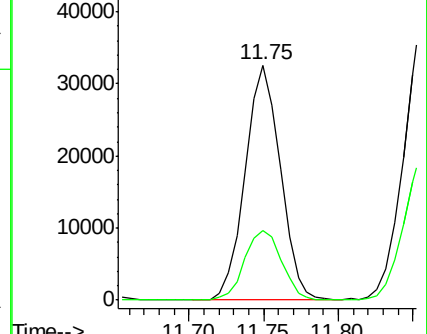
91 100

106 29.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 8.90 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065633.D

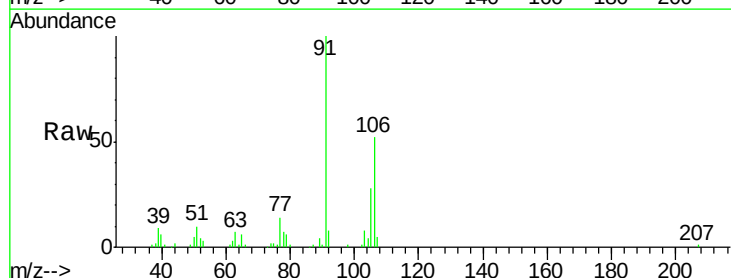
Acq: 15 Apr 2020 13:29

Tgt Ion: 106 Resp: 39471

Ion Ratio Lower Upper

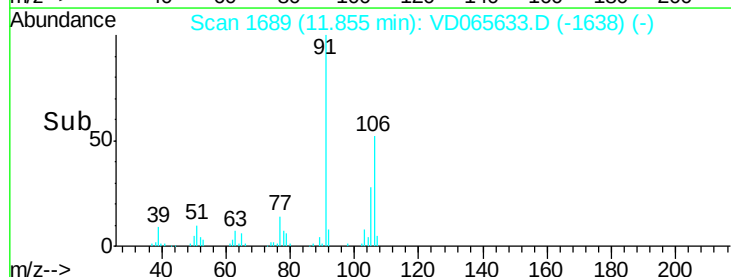
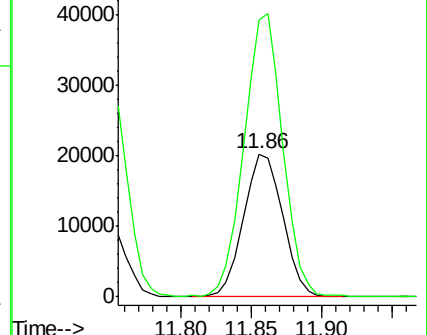
106 100

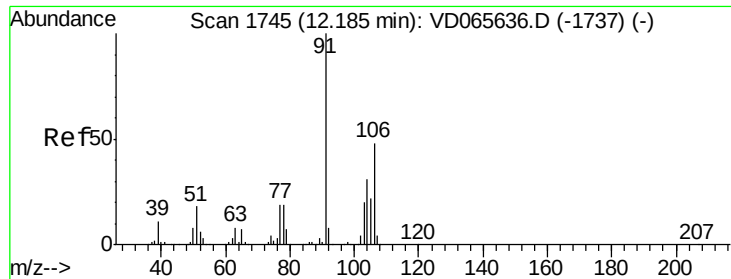
91 194.9 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

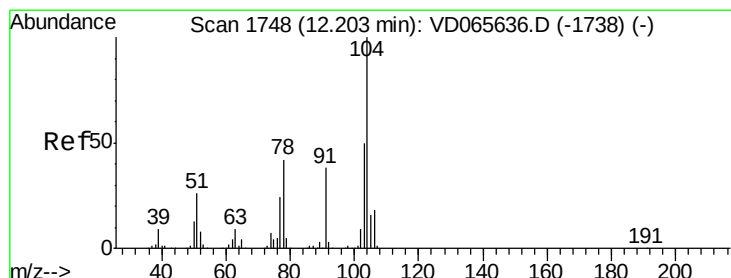
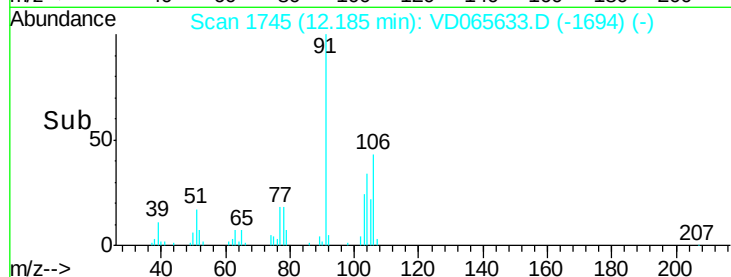
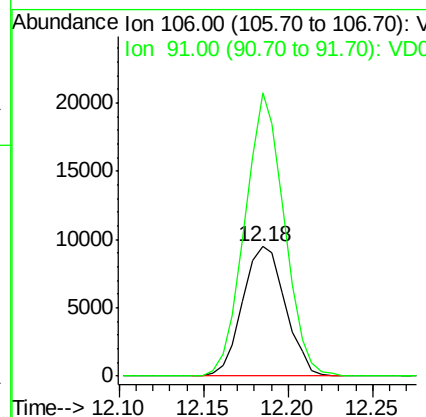
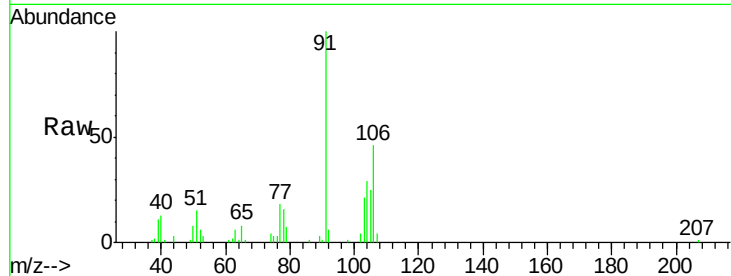




#69
o-Xylene
Concen: 4.31 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

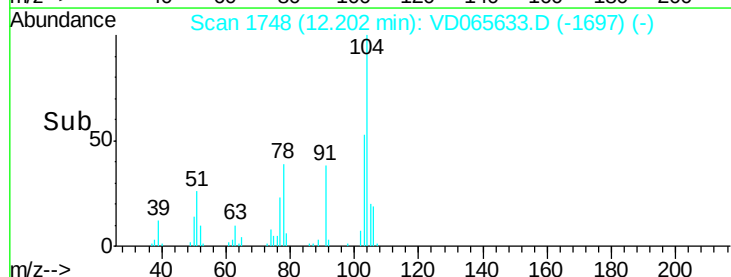
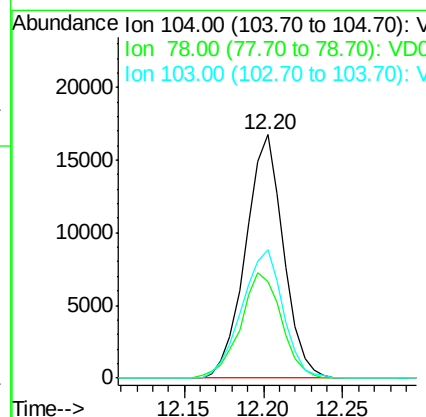
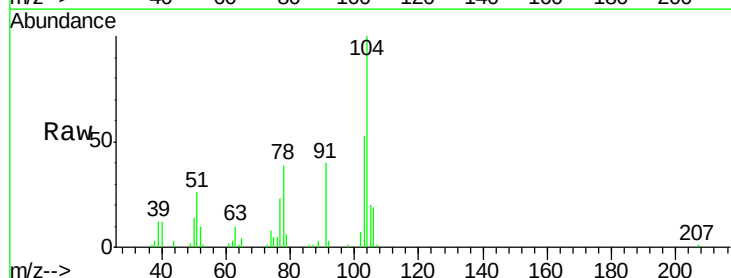
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

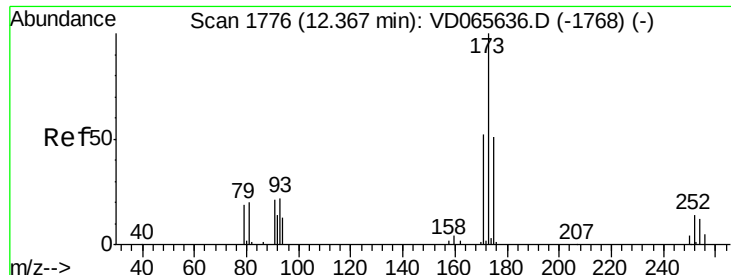
Tgt Ion:106 Resp: 16781
Ion Ratio Lower Upper
106 100
91 200.7 103.6 310.9



#70
Styrene
Concen: 4.02 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion:104 Resp: 27700
Ion Ratio Lower Upper
104 100
78 46.7 37.5 56.3
103 57.3 43.4 65.0

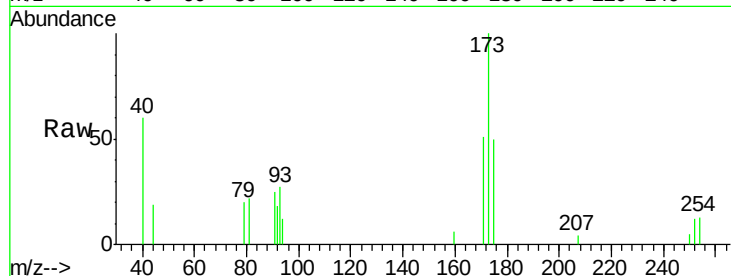




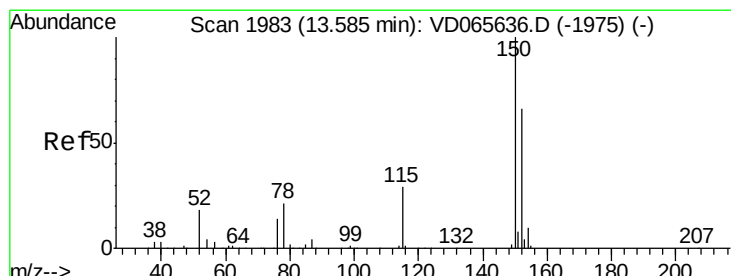
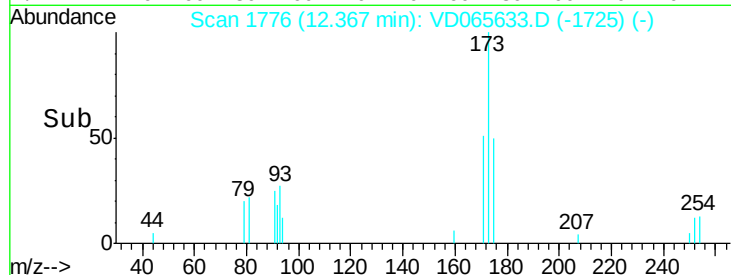
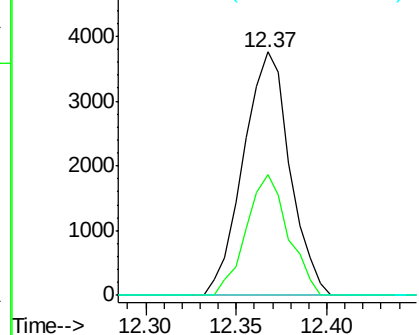
#71
 Bromoform
 Concen: 4.65 ug/l
 RT: 12.37 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:173 Resp: 6704
 Ion Ratio Lower Upper
 173 100
 175 44.6 25.1 75.2
 254 0.0 0.0 0.0

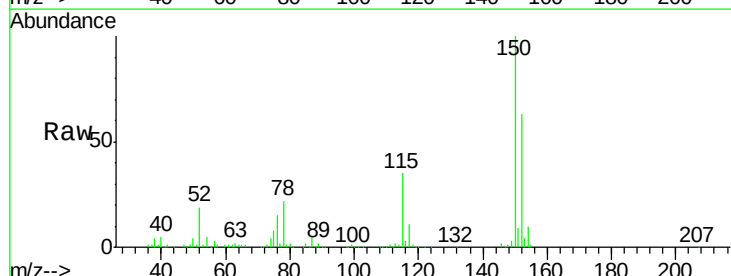


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

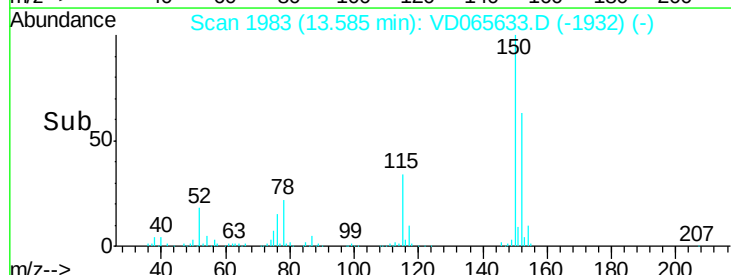
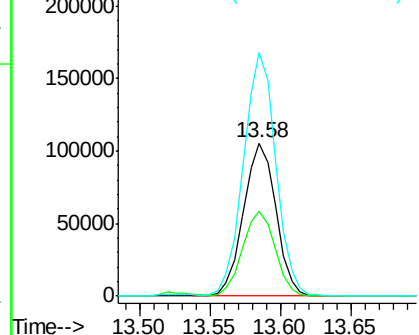


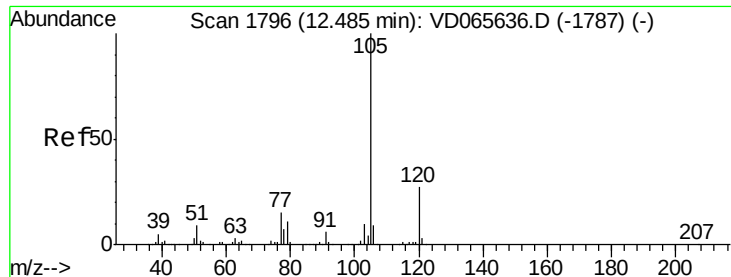
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion:152 Resp: 170147
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.6 82.7
 150 158.8 0.0 346.0



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: 4.28 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

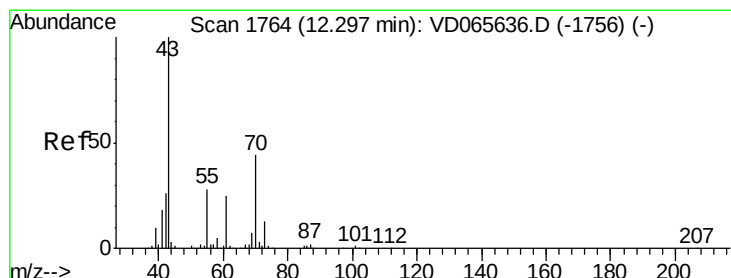
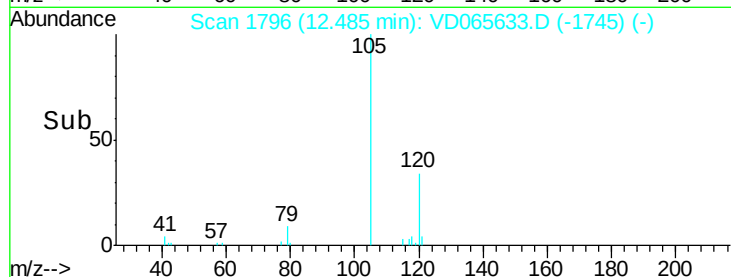
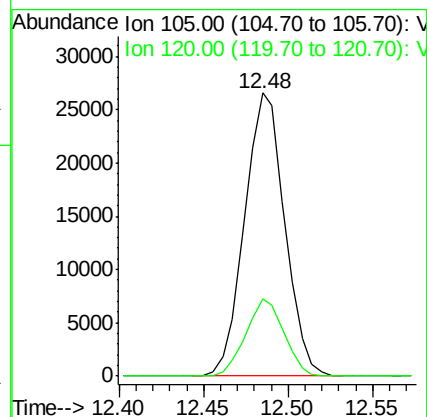
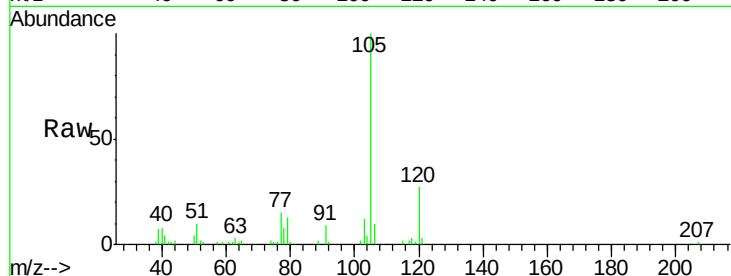
VSTDIC005

Tgt Ion: 105 Resp: 43879

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.2



#74

N-ethyl acetate

Concen: 6.21 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Tgt Ion: 43 Resp: 8671

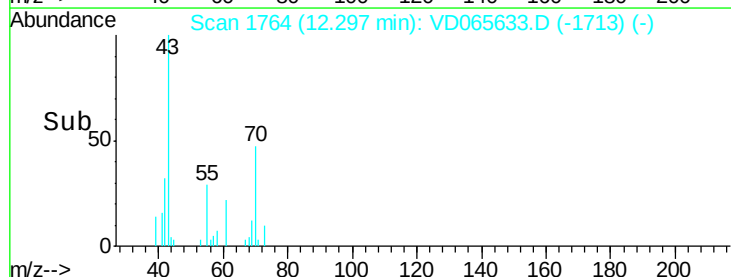
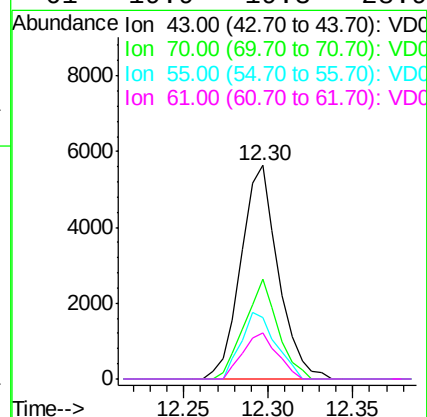
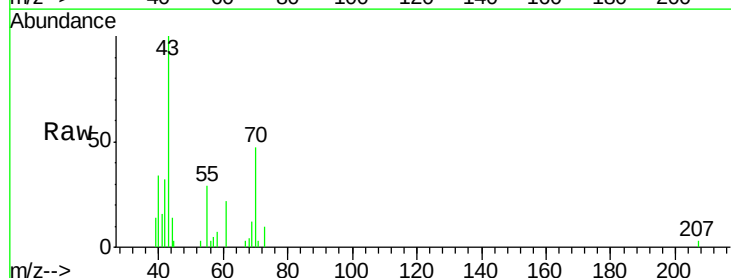
Ion Ratio Lower Upper

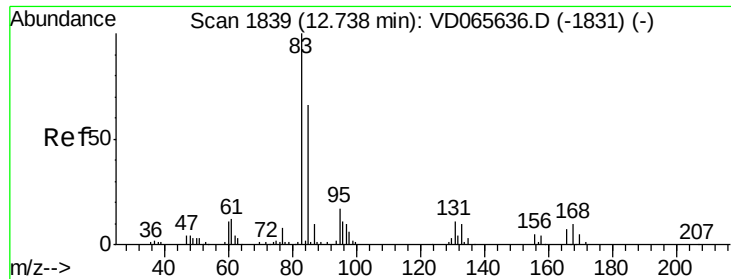
43 100

70 41.7 35.4 53.0

55 29.0 22.2 33.2

61 19.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.96 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

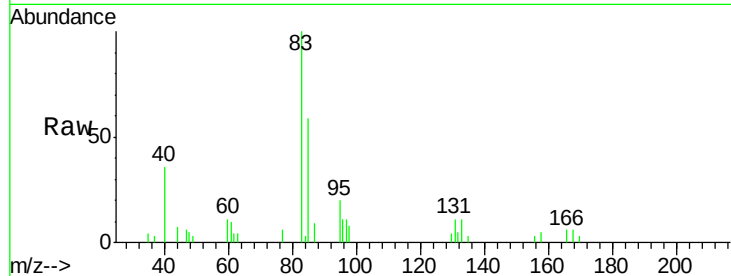
Tgt Ion: 83 Resp: 9235

Ion Ratio Lower Upper

83 100

131 9.4 5.7 17.0

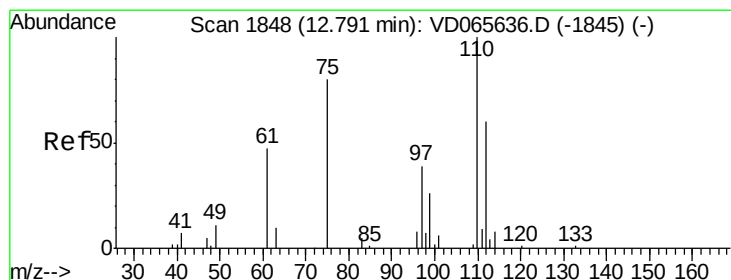
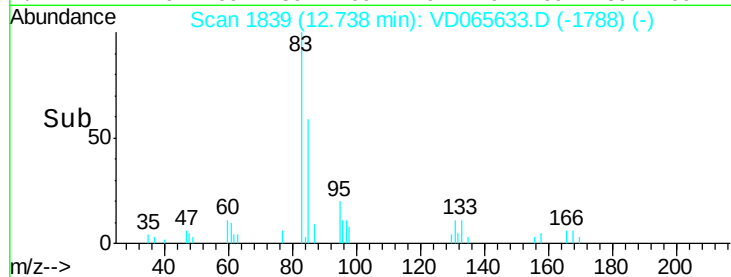
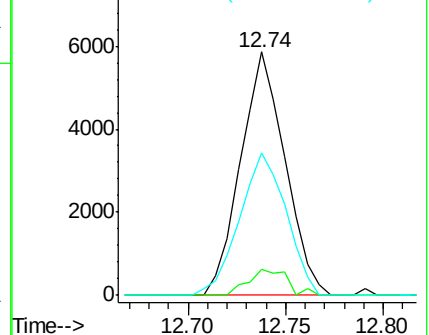
85 61.3 32.5 97.4



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: 8.02 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065633.D

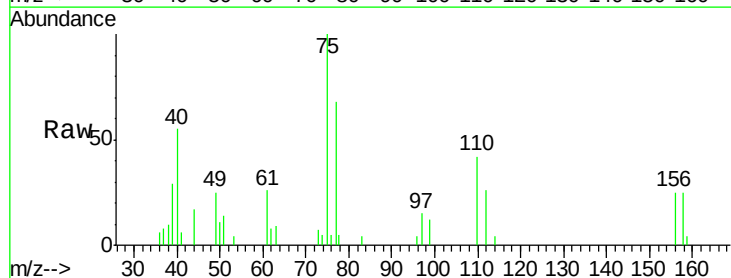
Acq: 15 Apr 2020 13:29

Tgt Ion: 75 Resp: 10976

Ion Ratio Lower Upper

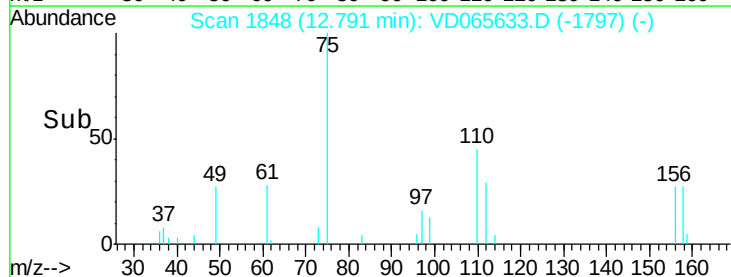
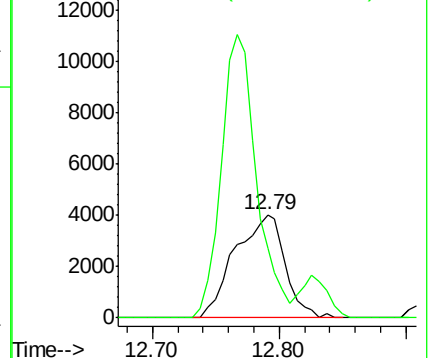
75 100

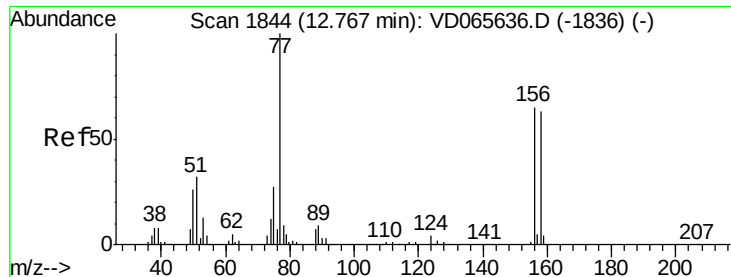
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.62 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

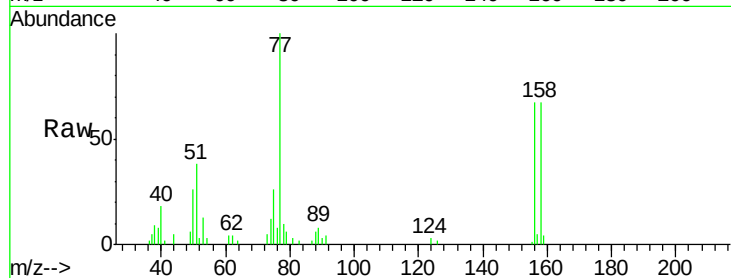
Tgt Ion:156 Resp: 12599

Ion Ratio Lower Upper

156 100

77 168.8 84.7 254.1

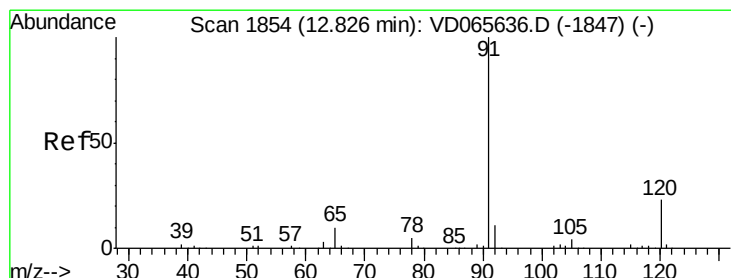
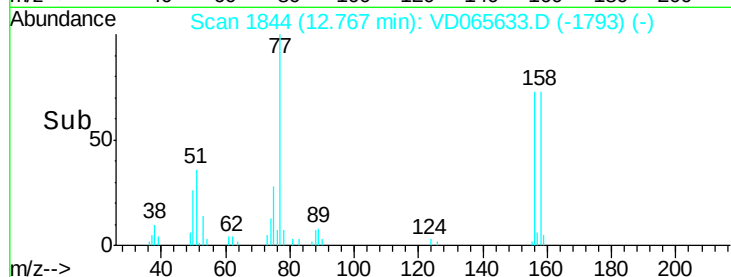
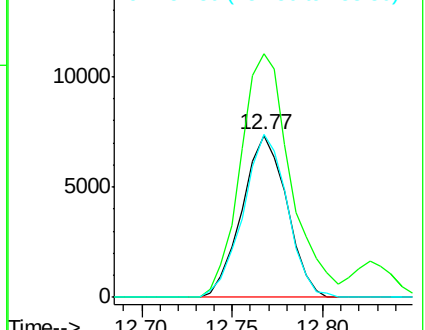
158 99.0 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.39 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065633.D

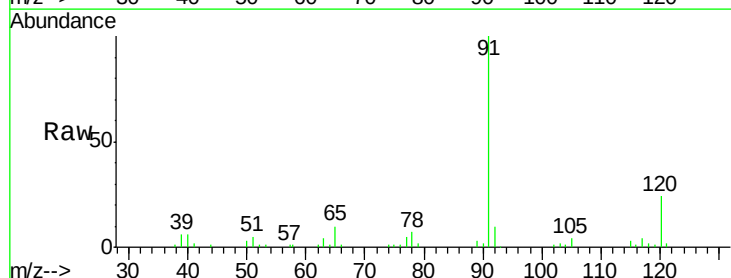
Acq: 15 Apr 2020 13:29

Tgt Ion: 91 Resp: 54496

Ion Ratio Lower Upper

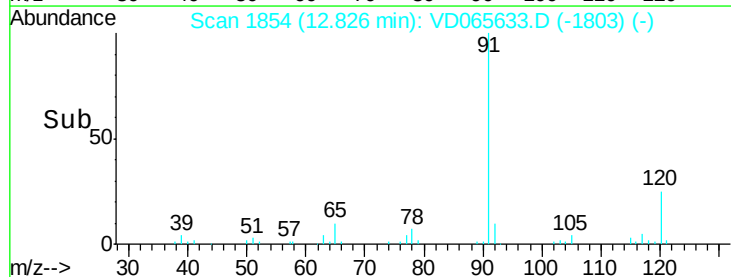
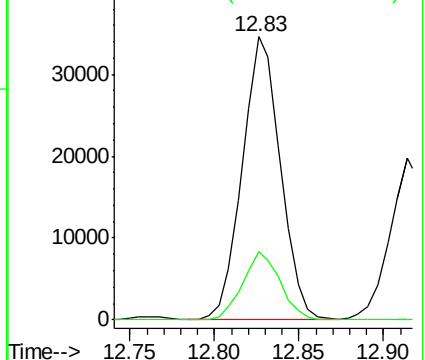
91 100

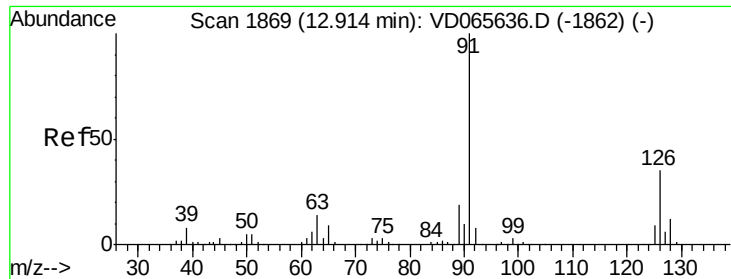
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.54 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

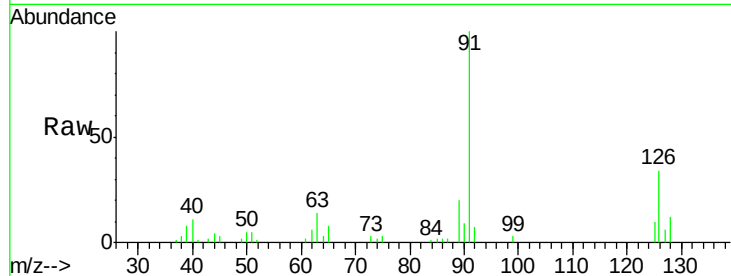
VSTDIC005

Tgt Ion: 91 Resp: 32037

Ion Ratio Lower Upper

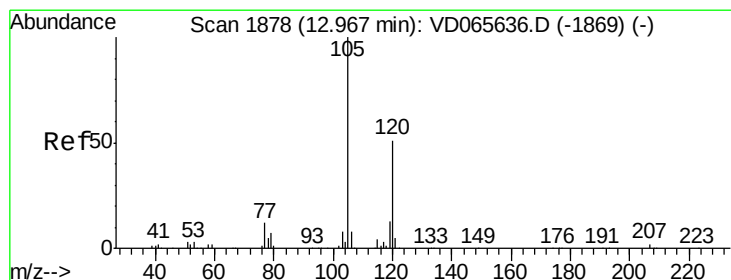
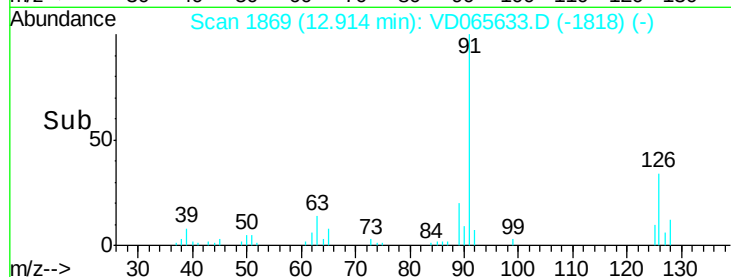
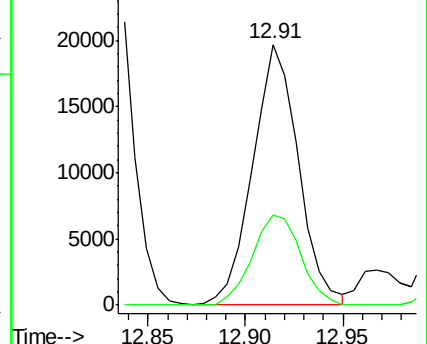
91 100

126 36.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.28 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065633.D

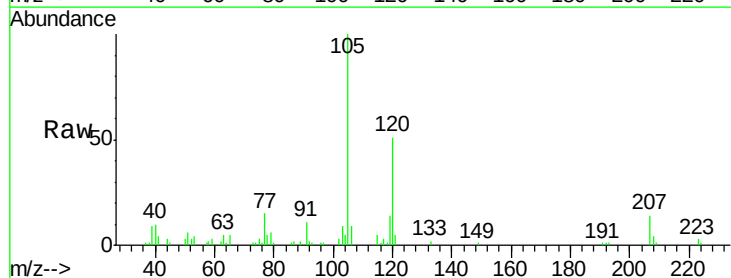
Acq: 15 Apr 2020 13:29

Tgt Ion: 105 Resp: 37024

Ion Ratio Lower Upper

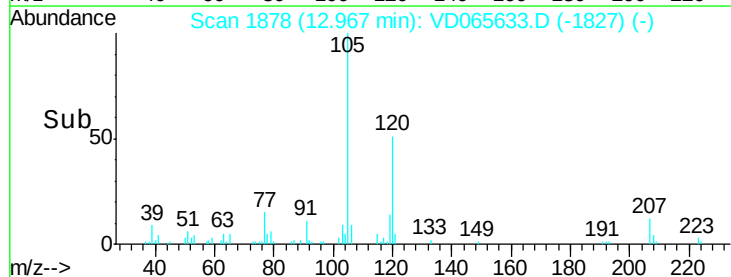
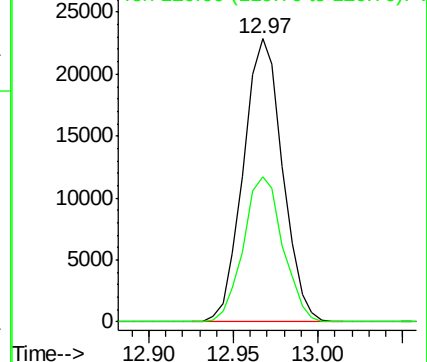
105 100

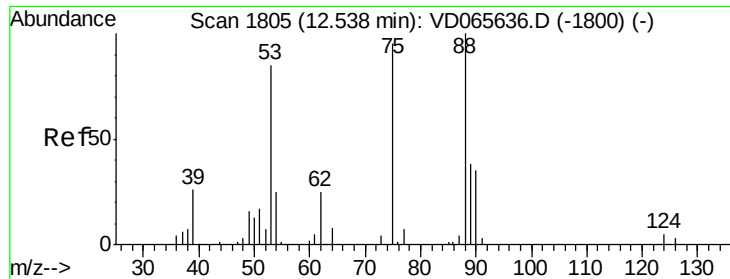
120 51.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

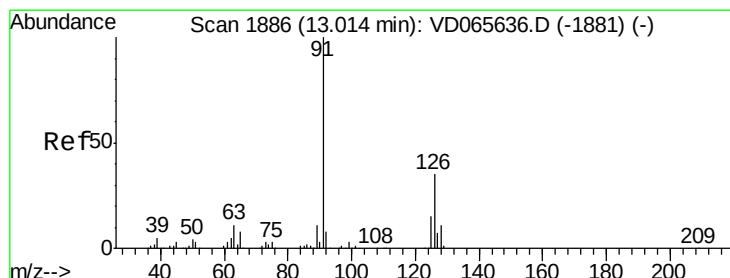
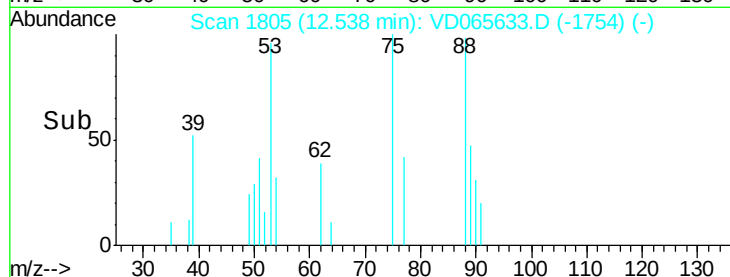
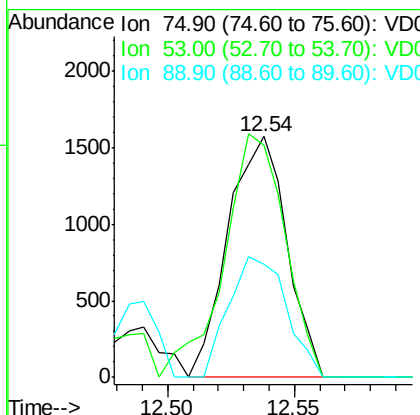
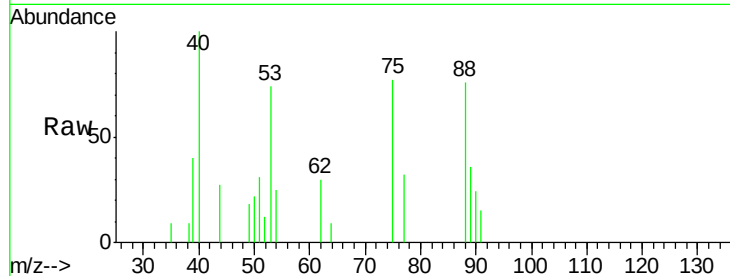




#81
trans-1,4-Dichloro-2-butene
Concen: 4.06 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

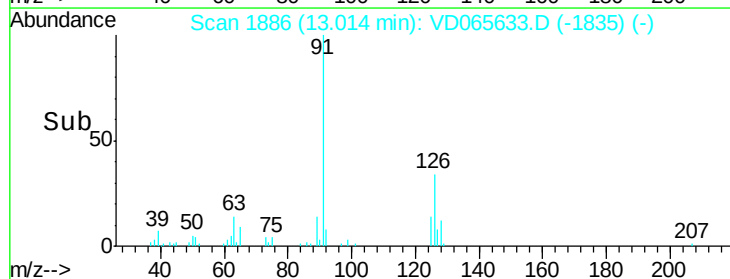
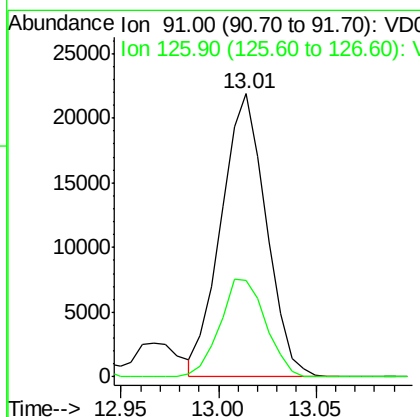
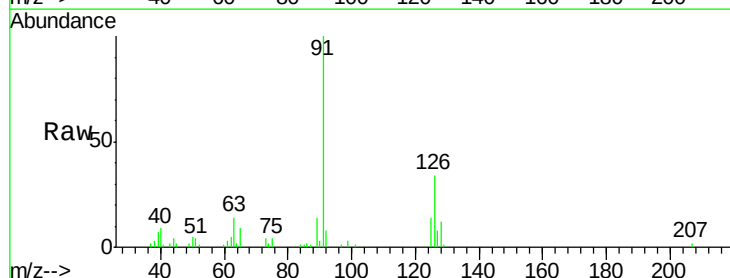
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

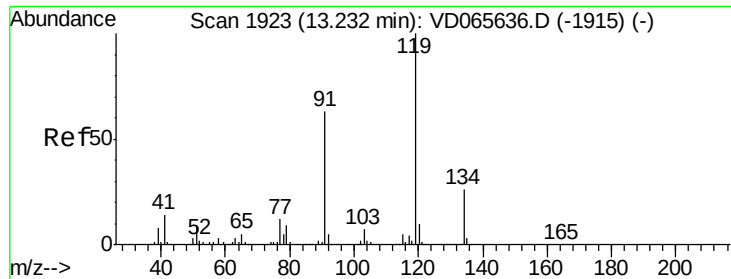
Tgt Ion: 75 Resp: 2534
Ion Ratio Lower Upper
75 100
53 105.1 76.8 115.2
89 49.3 36.1 54.1



#82
4-Chlorotoluene
Concen: 4.61 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065633.D
Acq: 15 Apr 2020 13:29

Tgt Ion: 91 Resp: 34940
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6

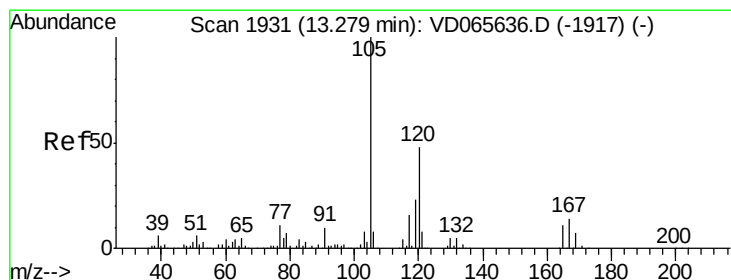
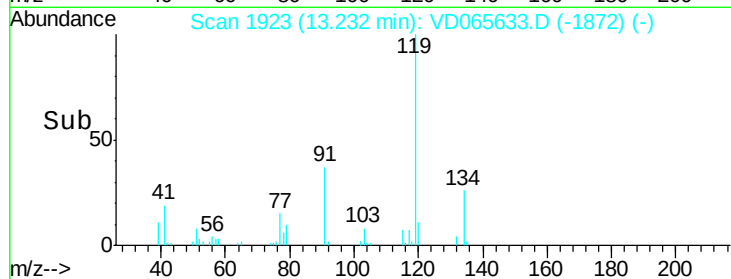
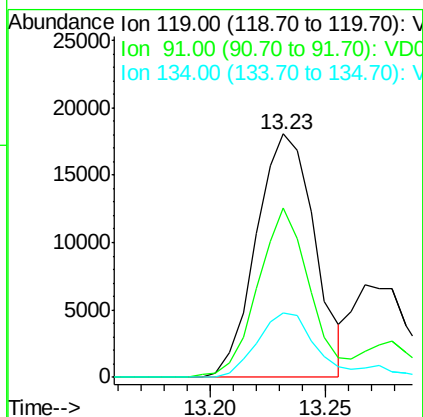
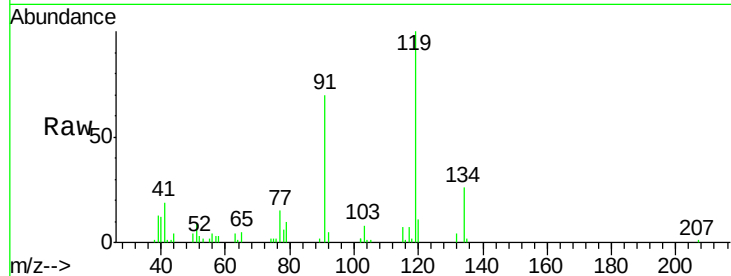




#83
 tert-Butylbenzene
 Concen: 4.38 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

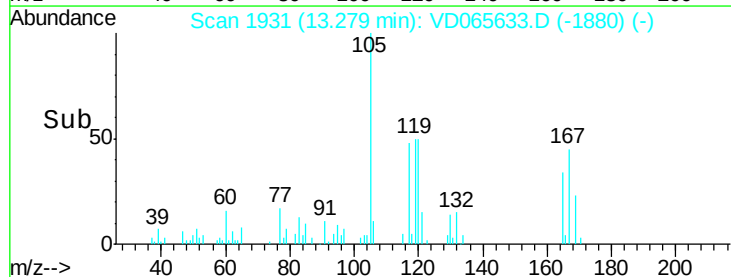
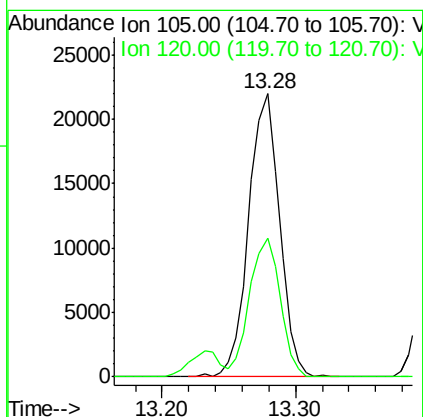
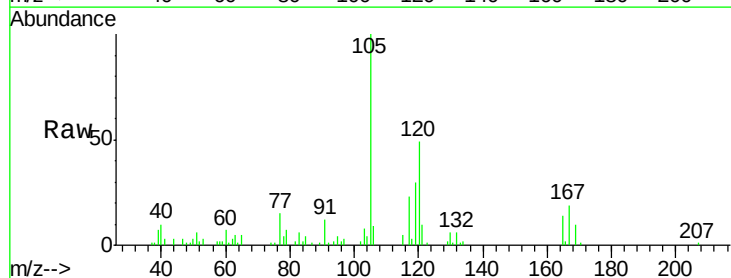
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

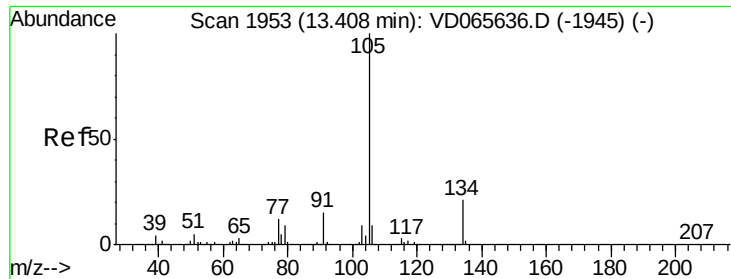
Tgt Ion:119 Resp: 31807
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.7 95.1
 134 25.5 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 4.07 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion:105 Resp: 35100
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.5 70.6

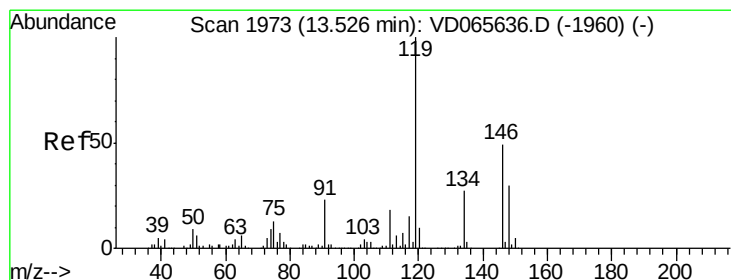
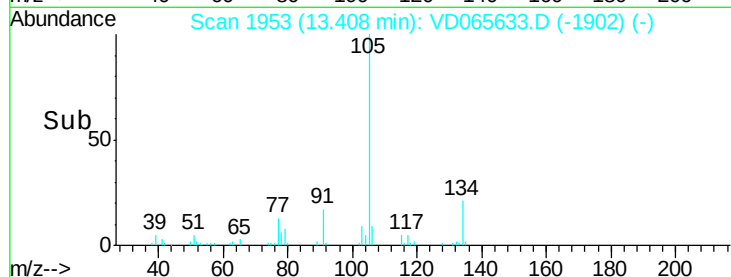
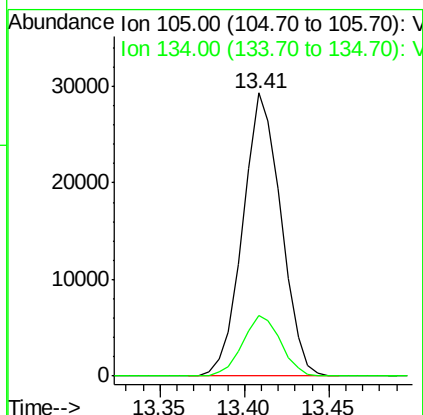
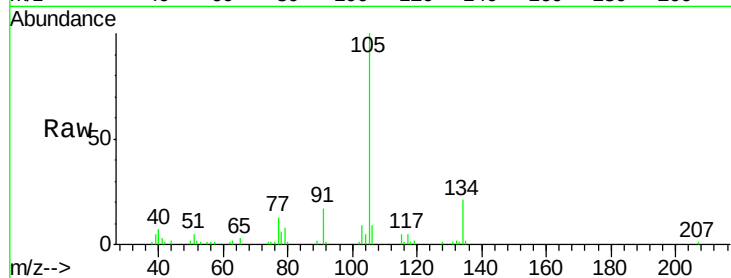




#85
 sec-Butylbenzene
 Concen: 4.43 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

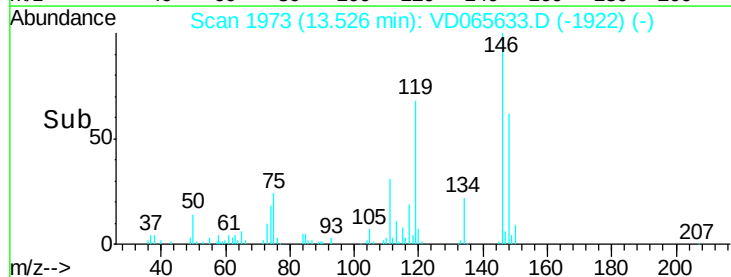
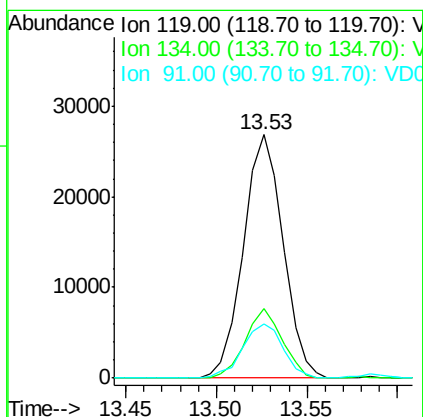
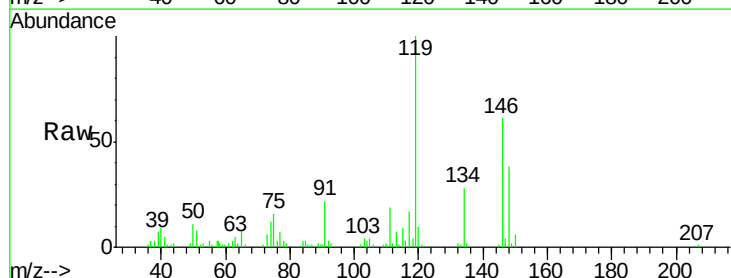
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

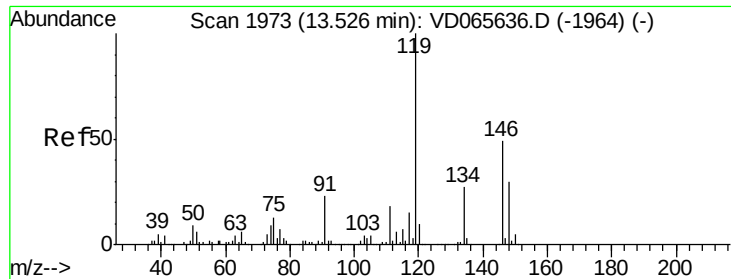
Tgt Ion:105 Resp: 46014
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 4.19 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion:119 Resp: 40821
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 22.8 11.1 33.3

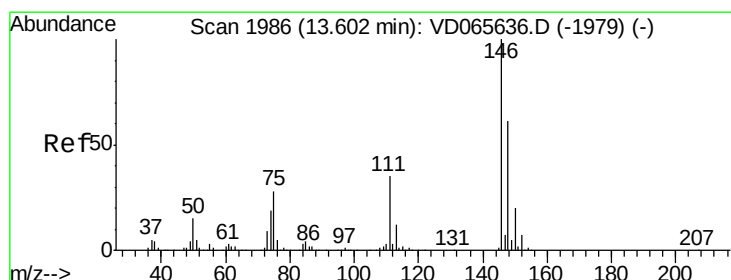
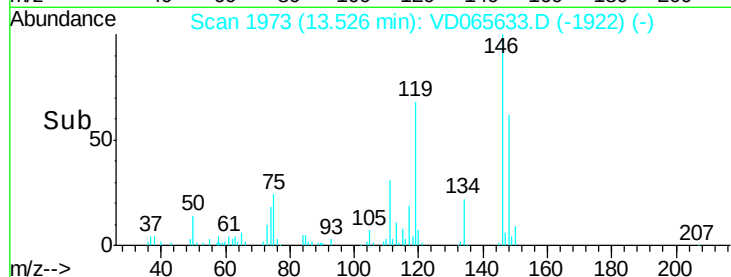
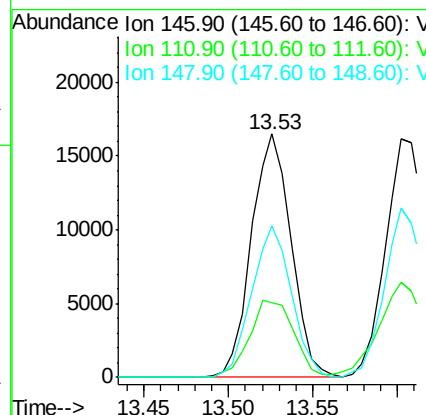
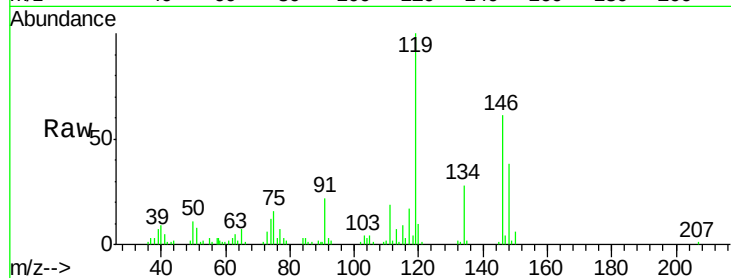




#87
 1,3-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

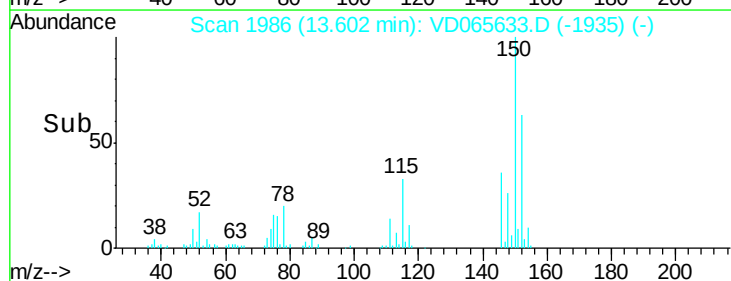
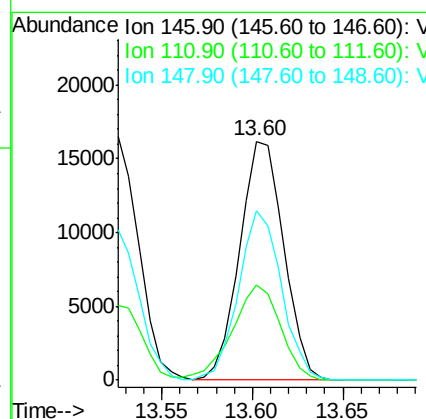
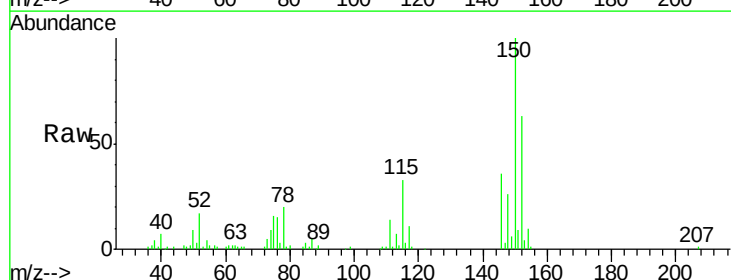
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

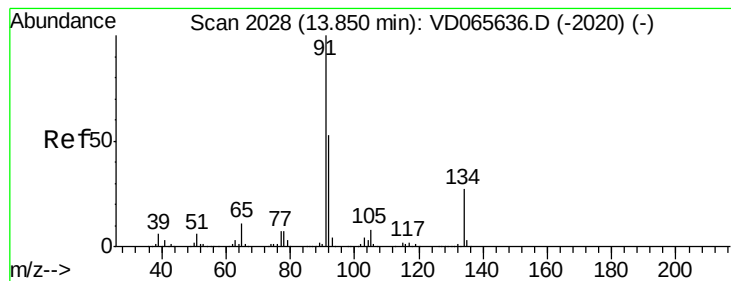
Tgt Ion:146 Resp: 26924
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.6 55.6
 148 62.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 5.16 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion:146 Resp: 27420
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.0 54.0
 148 68.9 31.4 94.2





#89

n-Butylbenzene

Concen: 4.51 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

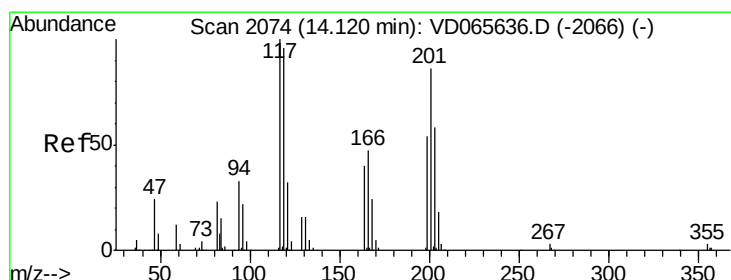
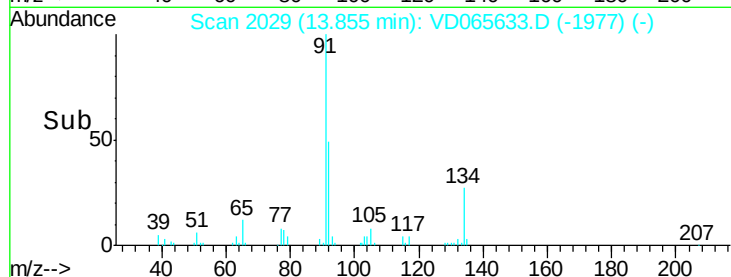
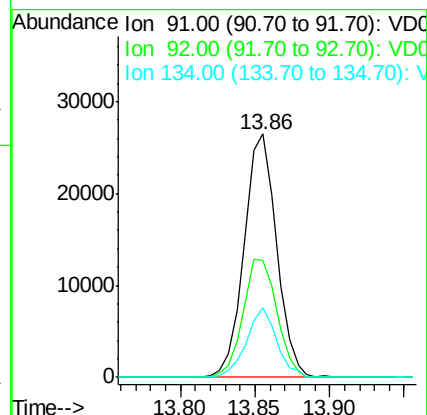
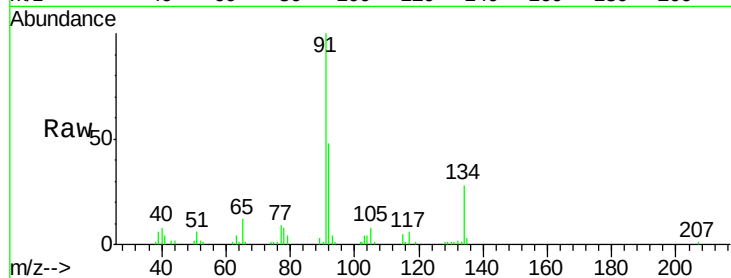
Tgt Ion: 91 Resp: 39869

Ion Ratio Lower Upper

91 100

92 50.8 26.9 80.6

134 26.3 13.6 40.8



#90

Hexachloroethane

Concen: 5.11 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065633.D

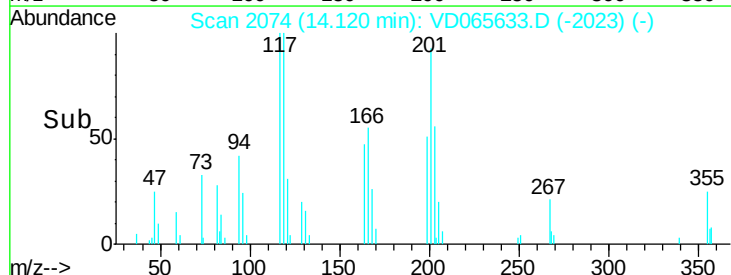
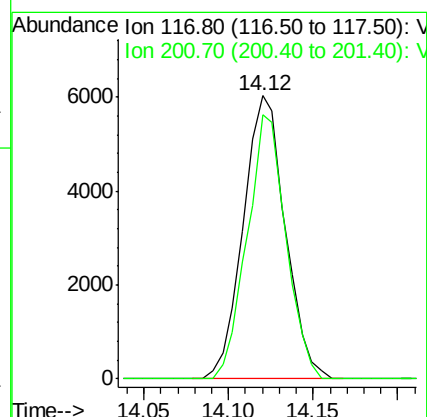
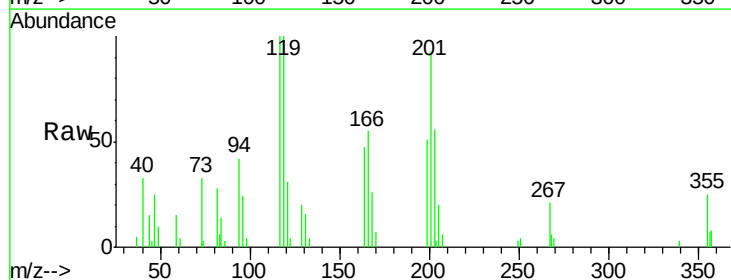
Acq: 15 Apr 2020 13:29

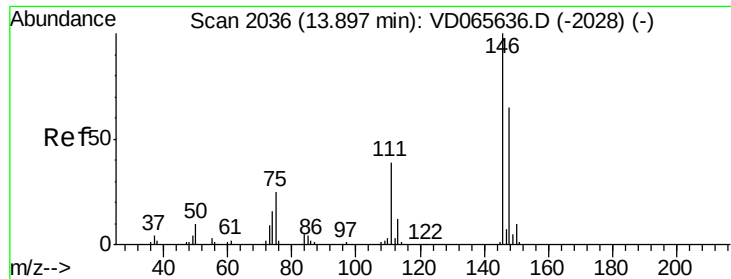
Tgt Ion: 117 Resp: 10438

Ion Ratio Lower Upper

117 100

201 86.1 44.9 134.7

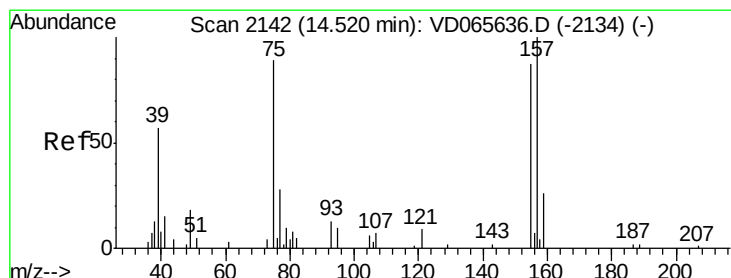
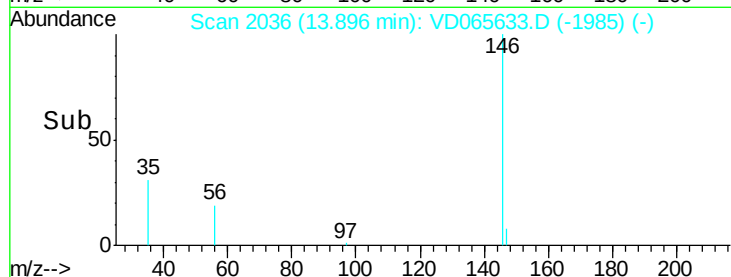
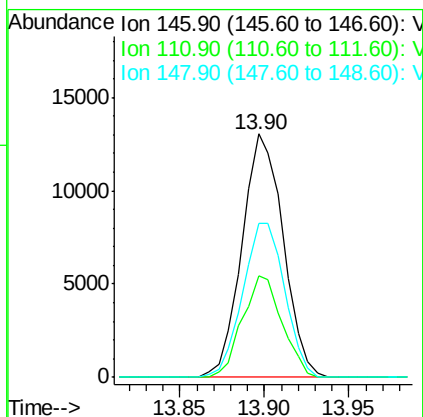
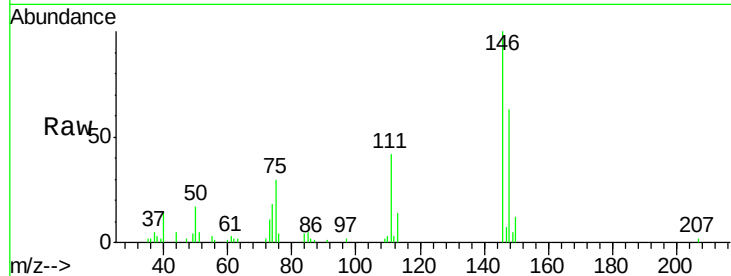




#91
 1,2-Dichlorobenzene
 Concen: 4.85 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

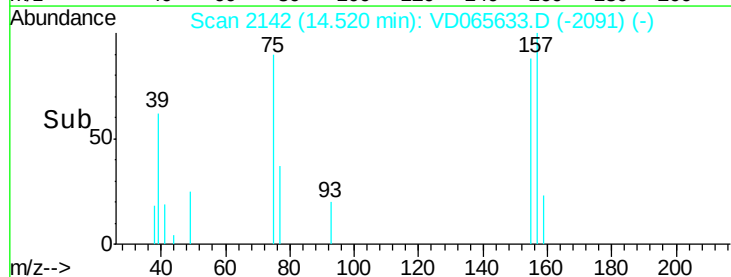
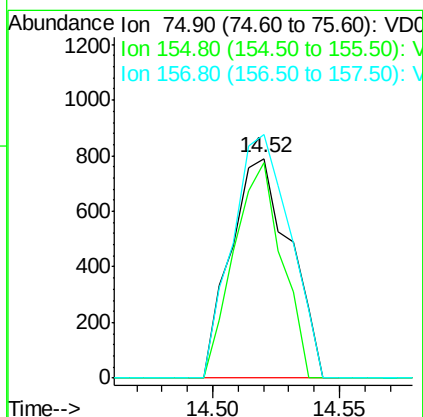
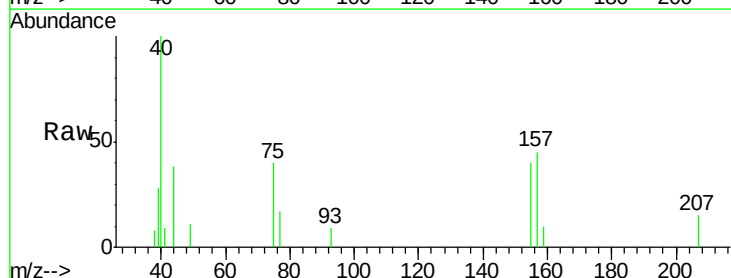
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

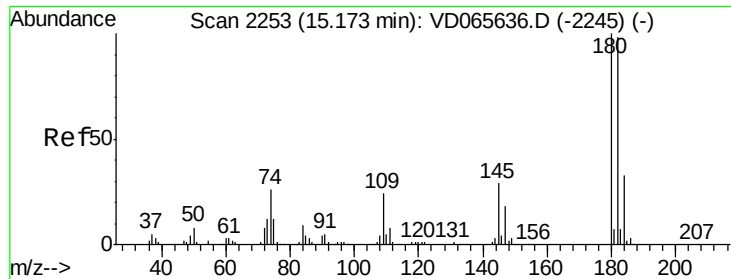
Tgt Ion: 146 Resp: 22168
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.3 57.9
 148 64.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.54 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion: 75 Resp: 1278
 Ion Ratio Lower Upper
 75 100
 155 79.5 48.0 144.2
 157 108.9 59.2 177.6

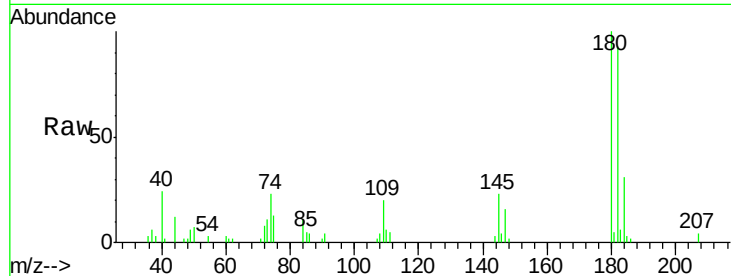




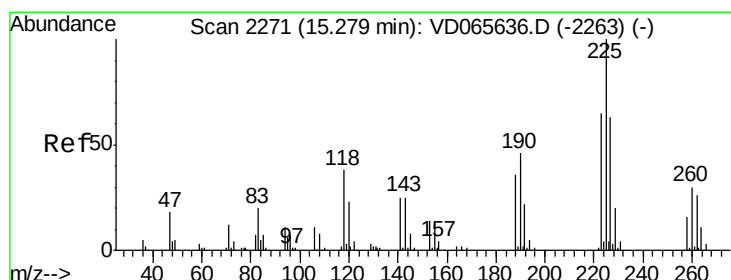
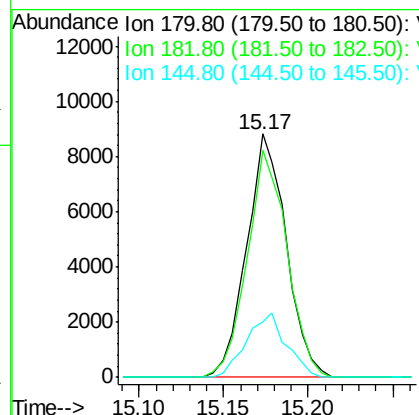
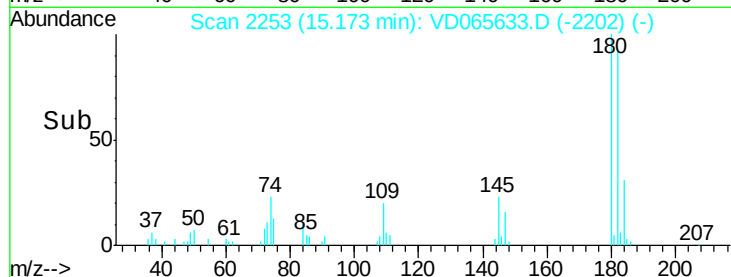
#93
 1,2,4-Trichlorobenzene
 Concen: 4.58 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 14401
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.9 146.6
 145 26.6 13.8 41.3

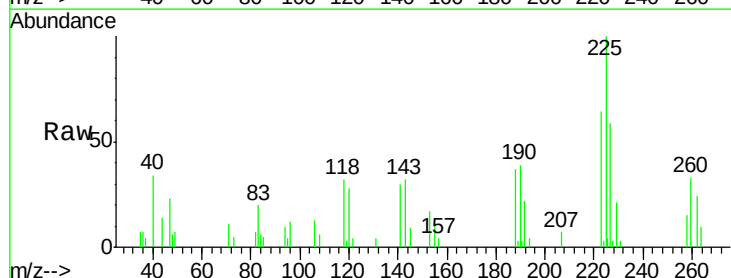


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

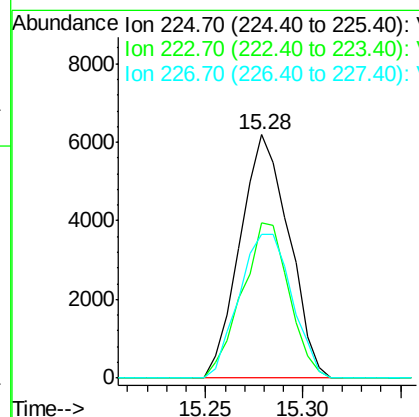
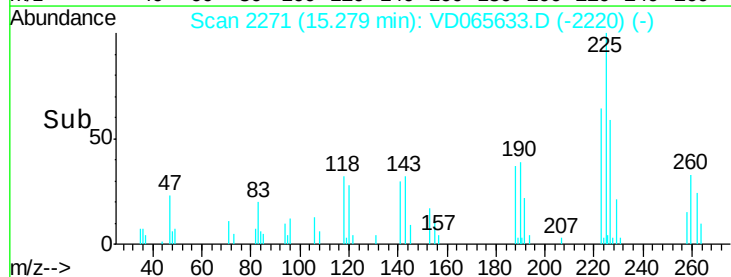


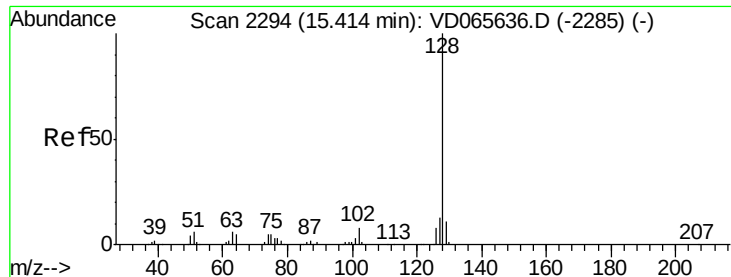
#94
 Hexachlorobutadiene
 Concen: 4.99 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065633.D
 Acq: 15 Apr 2020 13:29

Tgt Ion:225 Resp: 10756
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.9 95.5
 227 63.8 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 6.96 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

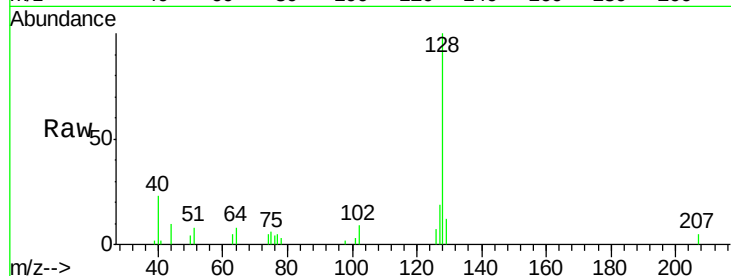
Tgt Ion:128 Resp: 16794

Ion Ratio Lower Upper

128 100

127 15.6 10.6 16.0

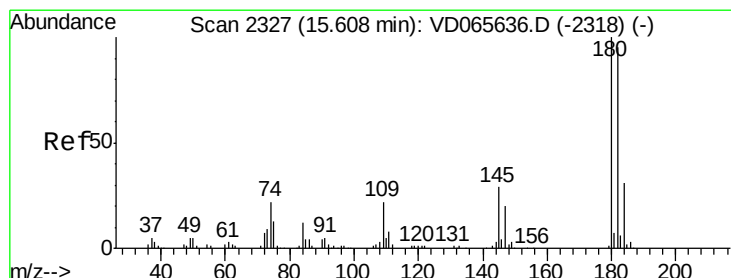
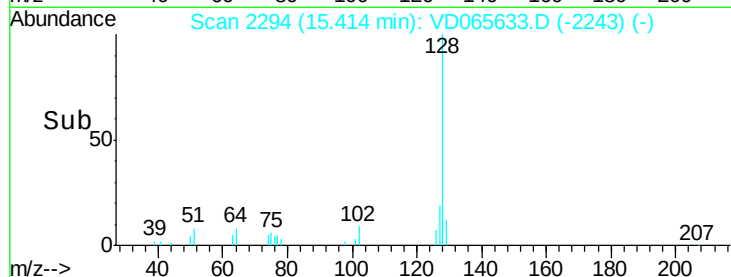
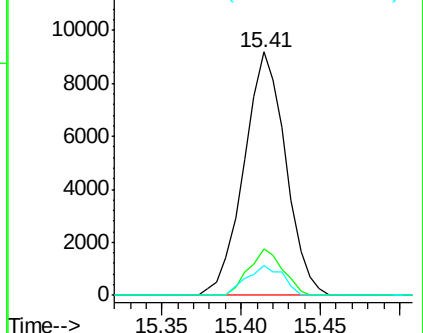
129 10.7 8.8 13.2



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: 4.54 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065633.D

Acq: 15 Apr 2020 13:29

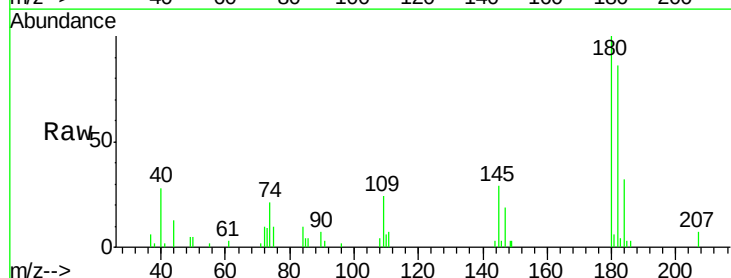
Tgt Ion:180 Resp: 12616

Ion Ratio Lower Upper

180 100

182 92.8 47.8 143.3

145 28.4 15.0 45.0



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

