

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065681.D
 Acq On : 29 Apr 2020 14:31
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 30 07:15:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:01:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	604087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	881568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	853676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	470072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100167	18.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.02%	
35) Dibromofluoromethane	7.92	113	111057	18.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.82%	
50) Toluene-d8	10.34	98	399683	19.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.64%	
62) 4-Bromofluorobenzene	12.64	95	127505	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68735	21.529	ug/l	91
3) Chloromethane	2.21	50	120387	19.497	ug/l	99
4) Vinyl Chloride	2.35	62	193665	19.504	ug/l	95
5) Bromomethane	2.76	94	180748	19.454	ug/l	97
6) Chloroethane	2.92	64	142315	19.467	ug/l	98
7) Trichlorofluoromethane	3.27	101	374045	18.951	ug/l	97
8) Diethyl Ether	3.71	74	107107	19.281	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	112262	11.801	ug/l	99
10) Methyl Iodide	4.29	142	81213	20.047	ug/l	97
11) Tert butyl alcohol	5.26	59	16904	85.109	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	97580	10.447	ug/l	88
13) Acrolein	3.92	56	34448	52.715	ug/l	100
14) Allyl chloride	4.71	41	91521	19.541	ug/l	99
15) Acrylonitrile	5.43	53	79959	102.046	ug/l	96
16) Acetone	4.16	43	66103	74.939	ug/l #	86
17) Carbon Disulfide	4.40	76	298366	19.420	ug/l	100
18) Methyl Acetate	4.73	43	35964	18.519	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	170795	19.733	ug/l #	91
20) Methylene Chloride	4.97	84	114954	17.934	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	109314	19.158	ug/l	87
22) Diisopropyl ether	6.37	45	209452	20.743	ug/l #	91
23) Vinyl Acetate	6.31	43	529812m	115.178	ug/l	
24) 1,1-Dichloroethane	6.27	63	177900	19.848	ug/l	96
25) 2-Butanone	7.22	43	85086	95.331	ug/l	97
26) 2,2-Dichloropropane	7.21	77	168035	19.275	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	118748	20.121	ug/l	98
28) Bromochloromethane	7.55	49	67958	20.420	ug/l	93
29) Tetrahydrofuran	7.57	42	50255	97.287	ug/l	96
30) Chloroform	7.71	83	215120	19.839	ug/l	100
31) Cyclohexane	7.98	56	143635	18.922	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	196376	19.594	ug/l	99
36) 1,1-Dichloropropene	8.11	75	151209	19.417	ug/l	98
37) Ethyl Acetate	7.30	43	36259	17.296	ug/l #	95
38) Carbon Tetrachloride	8.09	117	183377	18.638	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159928	19.375	ug/l	98
40) Benzene	8.36	78	430866	19.569	ug/l	99
41) Methacrylonitrile	7.54	41	18716m	14.372	ug/l	
42) 1,2-Dichloroethane	8.43	62	121084	19.027	ug/l	99
43) Isopropyl Acetate	8.46	43	74177	18.832	ug/l	94
44) Trichloroethene	9.11	130	126598	18.610	ug/l	95
45) 1,2-Dichloropropane	9.39	63	100246	20.140	ug/l	90
46) Dibromomethane	9.48	93	64942	20.151	ug/l	98
47) Bromodichloromethane	9.67	83	162692	19.096	ug/l	98
48) Methyl methacrylate	9.46	41	32738	18.982	ug/l	96
49) 1,4-Dioxane	9.47	88	12232	388.319	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	192249	96.304	ug/l	97
52) Toluene	10.41	92	293210	20.345	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	129459	19.632	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	155924	19.777	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	86433	19.293	ug/l	96
56) Ethyl methacrylate	10.67	69	66127	19.439	ug/l	96
57) 1,3-Dichloropropane	10.95	76	134385	19.997	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	171486	99.666	ug/l	100
59) 2-Hexanone	10.99	43	123036	97.056	ug/l	95
60) Dibromochloromethane	11.14	129	113736	19.074	ug/l	95
61) 1,2-Dibromoethane	11.25	107	82630	20.024	ug/l	99
64) Tetrachloroethene	10.88	164	117027	19.747	ug/l	97
65) Chlorobenzene	11.67	112	330943	19.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	124254	19.390	ug/l	96
67) Ethyl Benzene	11.75	91	528665	20.045	ug/l	99
68) m/p-Xylenes	11.86	106	435540	41.294	ug/l	100
69) o-Xylene	12.18	106	176544	19.879	ug/l	95
70) Styrene	12.20	104	323436	20.446	ug/l	98
71) Bromoform	12.37	173	69344	19.378	ug/l	99
73) Isopropylbenzene	12.48	105	499154	20.398	ug/l	100
74) N-amyl acetate	12.30	43	64657	19.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	94489	19.365	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	65906m	12.419	ug/l	
77) Bromobenzene	12.77	156	134851	19.645	ug/l	98
78) n-propylbenzene	12.83	91	616180	20.363	ug/l	100
79) 2-Chlorotoluene	12.91	91	346814	20.240	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	446106	20.921	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25834	19.463	ug/l	95
82) 4-Chlorotoluene	13.01	91	391598	21.112	ug/l	96
83) tert-Butylbenzene	13.23	119	360019	20.451	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	447354	21.228	ug/l	97
85) sec-Butylbenzene	13.41	105	517302	20.168	ug/l	100
86) p-Isopropyltoluene	13.53	119	489020	20.674	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	276243	19.674	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	280798	19.266	ug/l	99
89) n-Butylbenzene	13.85	91	423714	19.832	ug/l	98
90) Hexachloroethane	14.12	117	111319	18.975	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	239588	19.782	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13109	18.154	ug/l	88

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Quant Title : SW846 8260
QLast Update : Thu Apr 30 07:01:24 2020
Response via : Initial Calibration

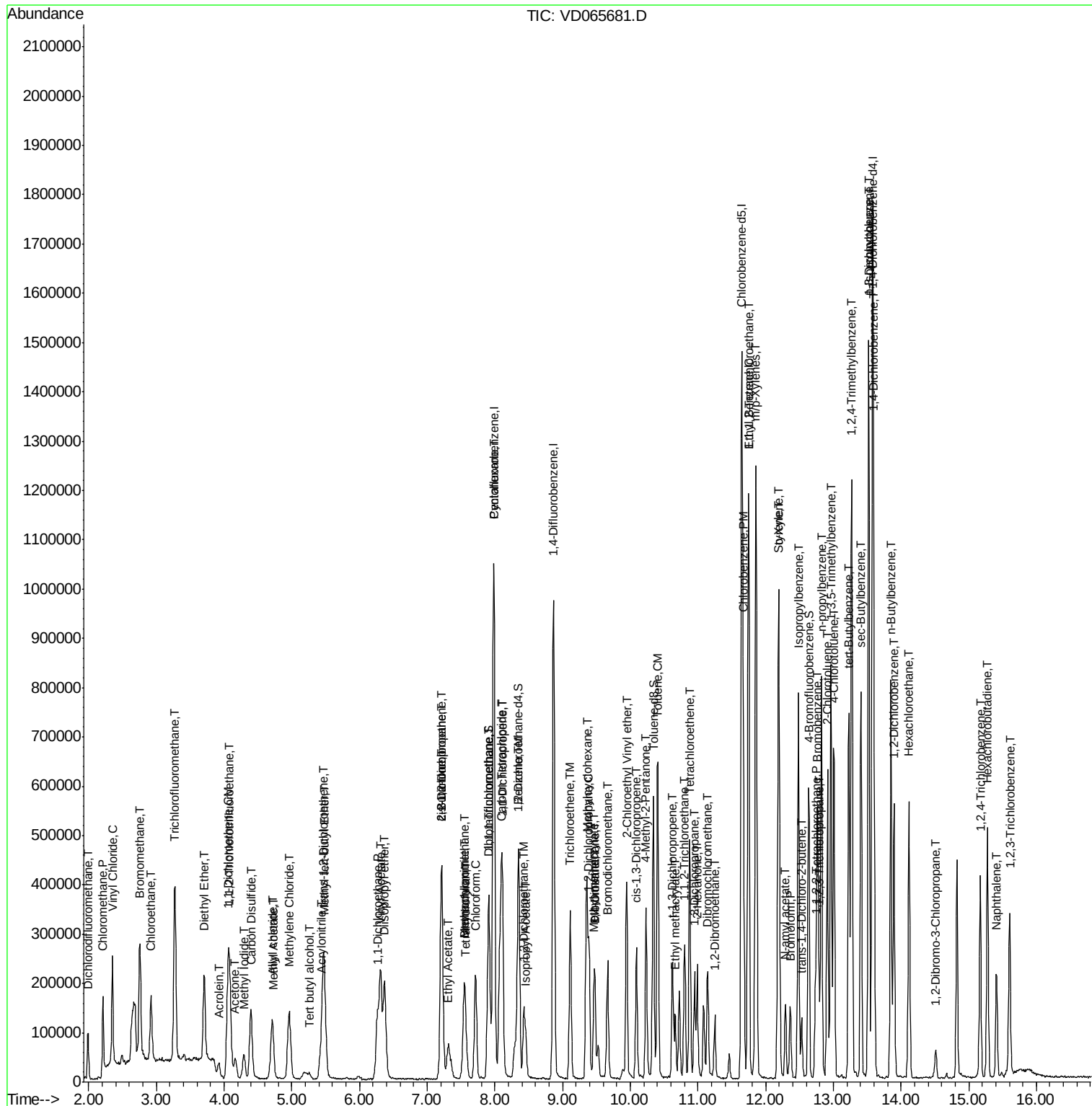
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	137579	19.931	ug/l	99
94) Hexachlorobutadiene	15.28	225	97789	19.060	ug/l	99
95) Naphthalene	15.41	128	190911	19.470	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	125049	20.248	ug/l	95

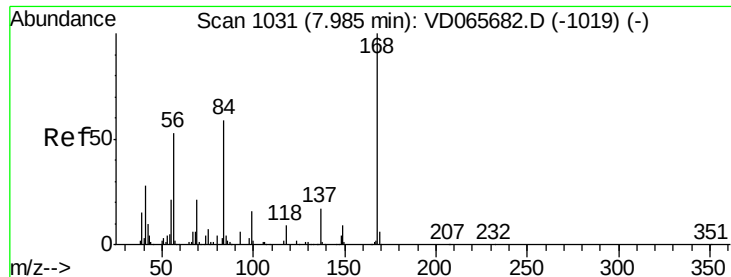
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

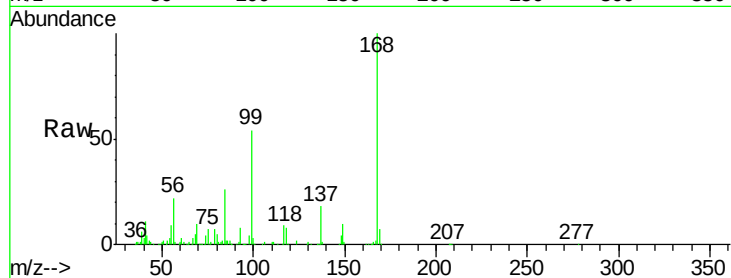
VSTDIC020

Tot Ion:168 Resp: 604087

Ion Ratio Lower Upper

168 100

99 53.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

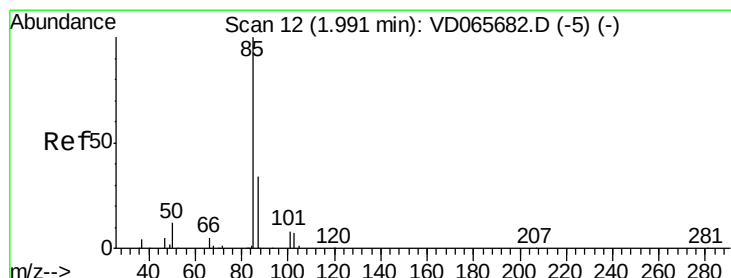
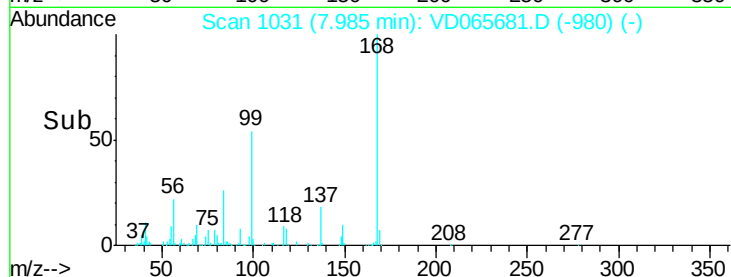
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.529 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065681.D

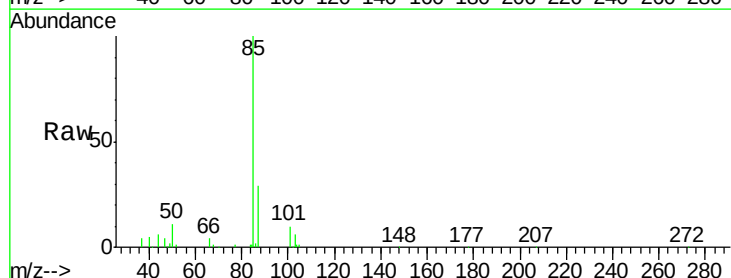
Acq: 29 Apr 2020 14:31

Tgt Ion: 85 Resp: 68735

Ion Ratio Lower Upper

85 100

87 28.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

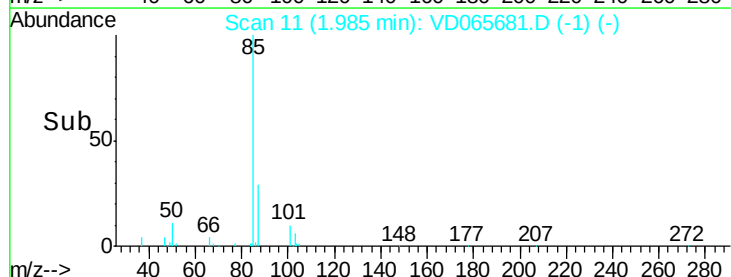
20000

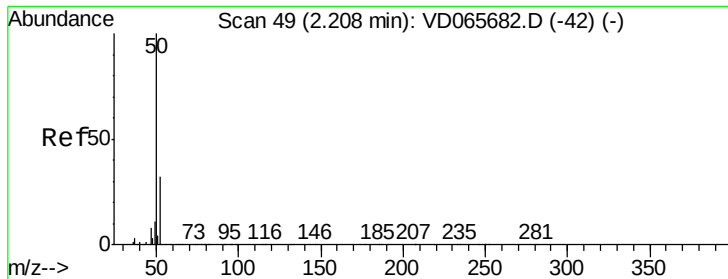
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.497 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

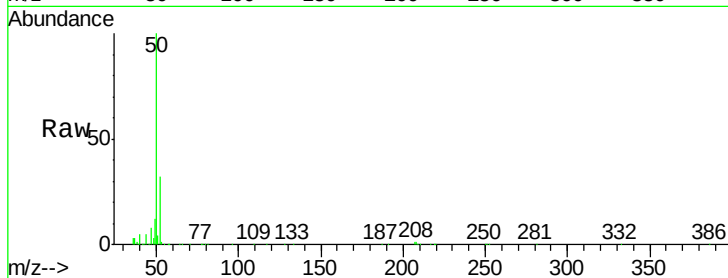
VSTDIC020

Tot Ion: 50 Resp: 120387

Ion Ratio Lower Upper

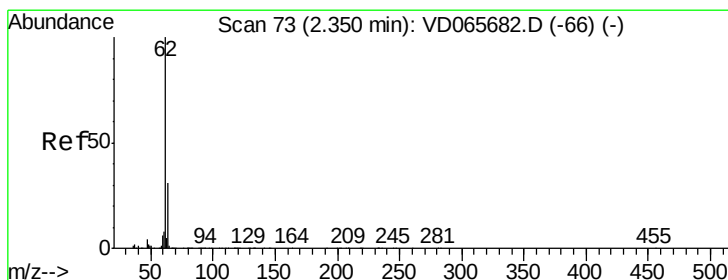
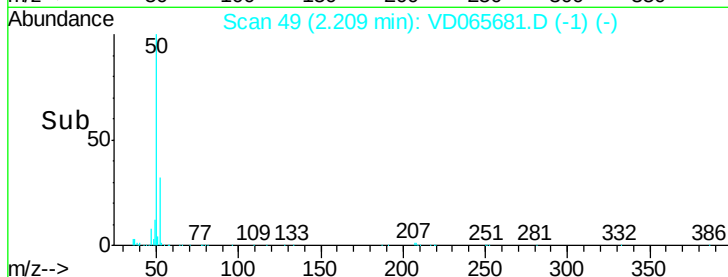
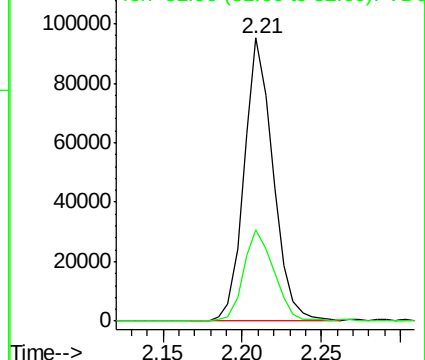
50 100

52 32.3 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.504 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065681.D

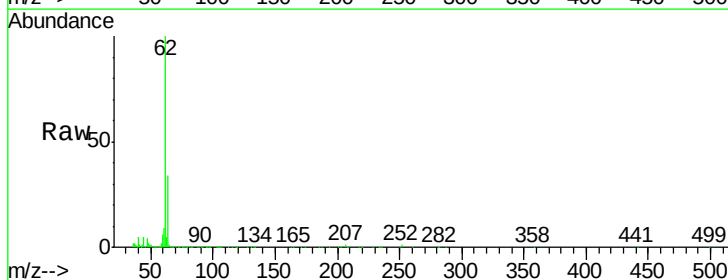
Acq: 29 Apr 2020 14:31

Tgt Ion: 62 Resp: 193665

Ion Ratio Lower Upper

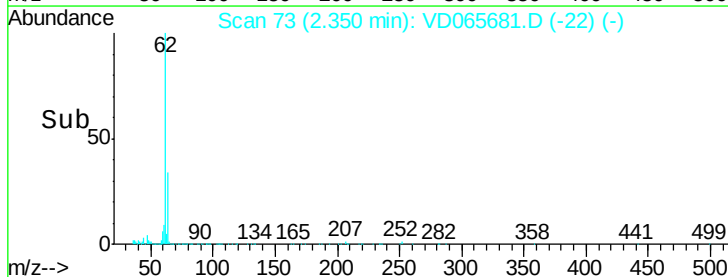
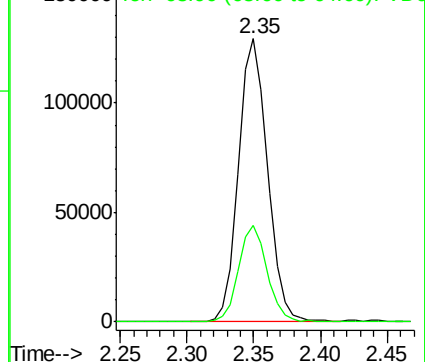
62 100

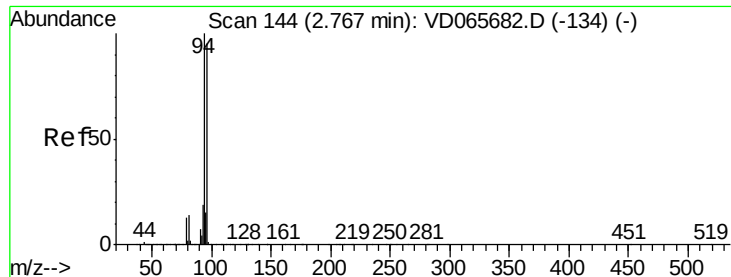
64 34.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.454 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

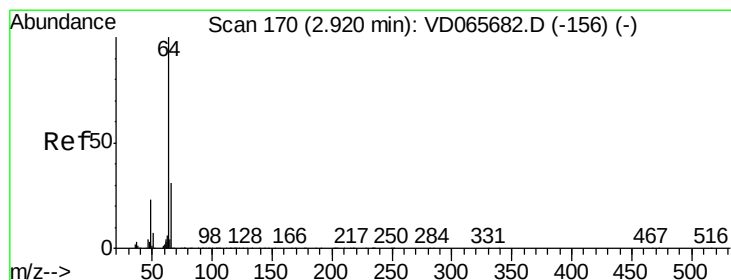
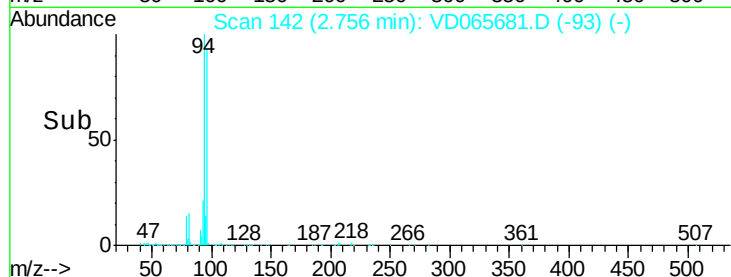
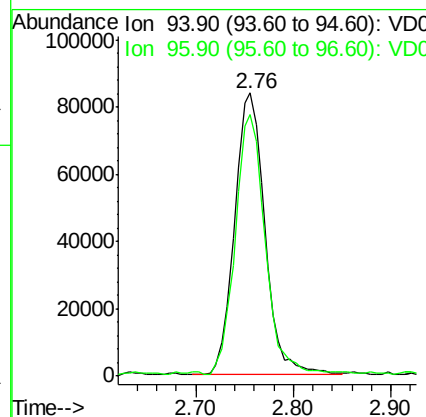
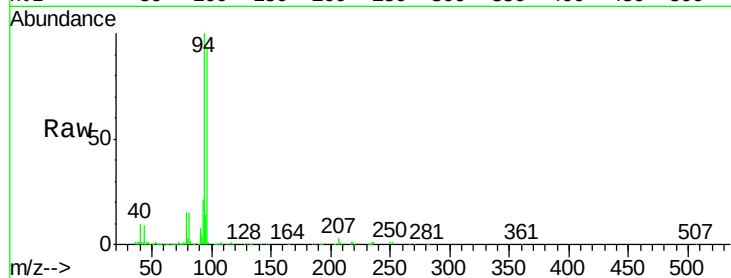
VSTDIC020

Tot Ion: 94 Resp: 180748

Ion Ratio Lower Upper

94 100

96 91.5 75.8 113.8



#6

Chloroethane

Concen: 19.467 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065681.D

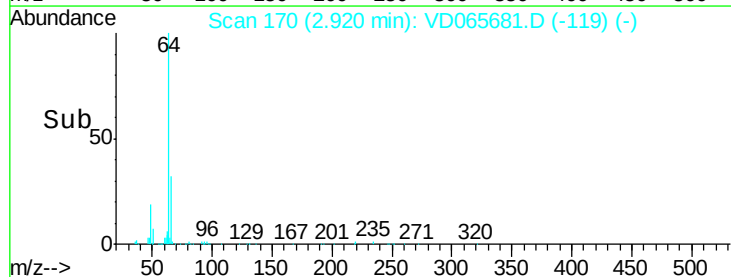
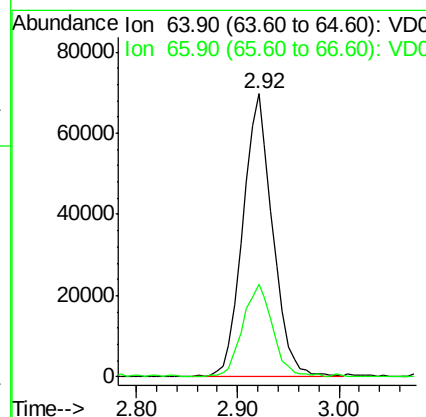
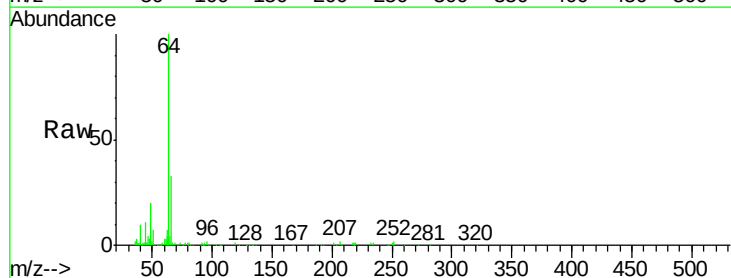
Acq: 29 Apr 2020 14:31

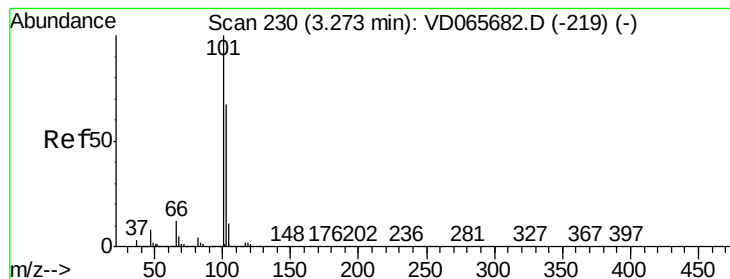
Tgt Ion: 64 Resp: 142315

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8



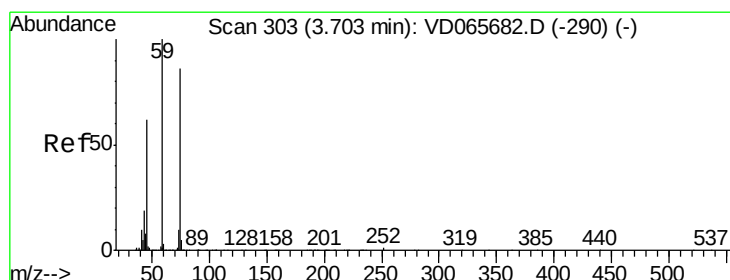
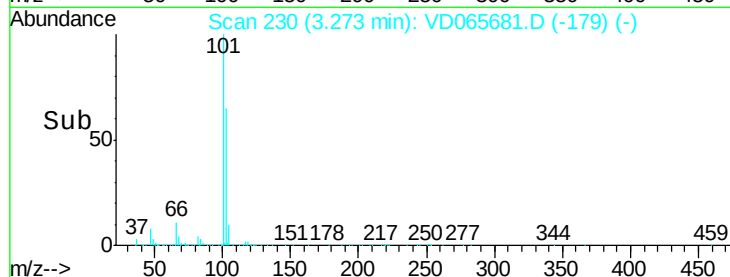
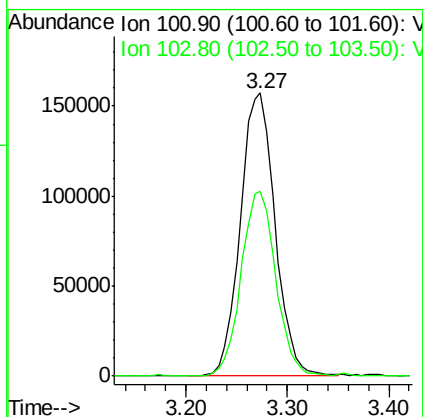
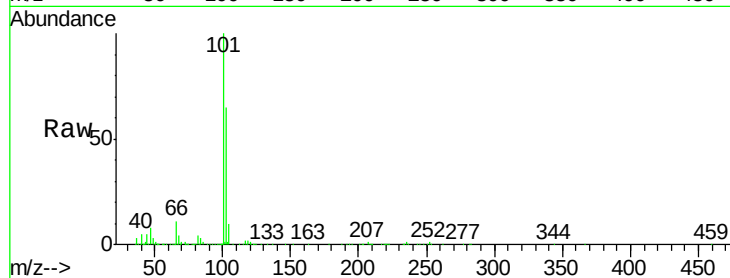


#7

Trichlorofluoromethane
 Concen: 18.951 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

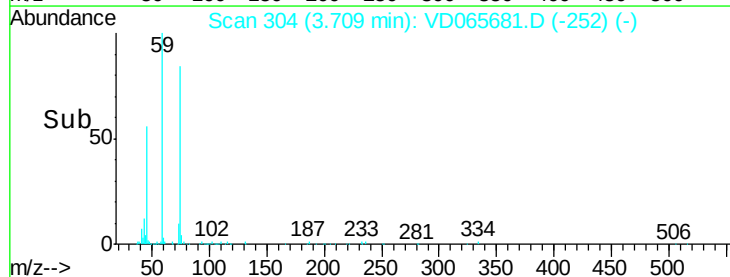
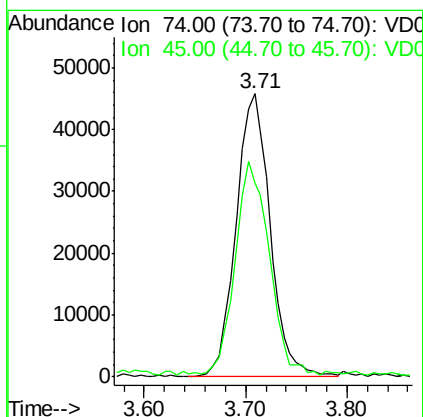
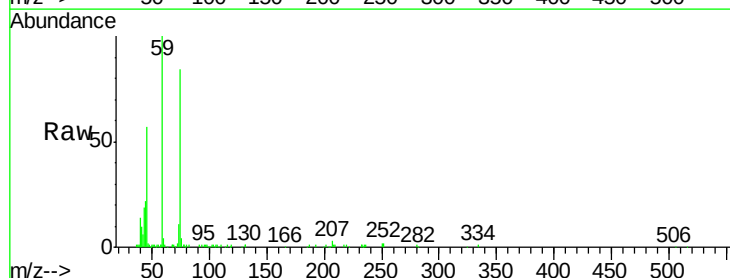
Tot Ion:101 Resp: 374045
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.9 80.9

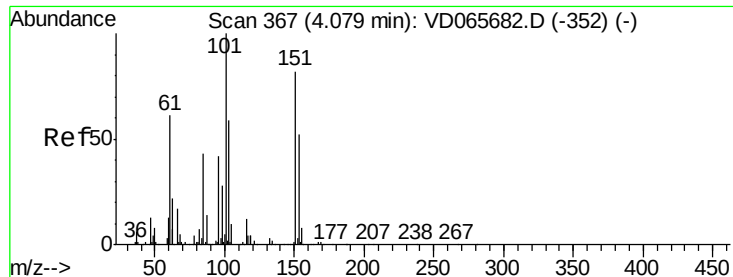


#8

Diethyl Ether
 Concen: 19.281 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion: 74 Resp: 107107
 Ion Ratio Lower Upper
 74 100
 45 75.2 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.801 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

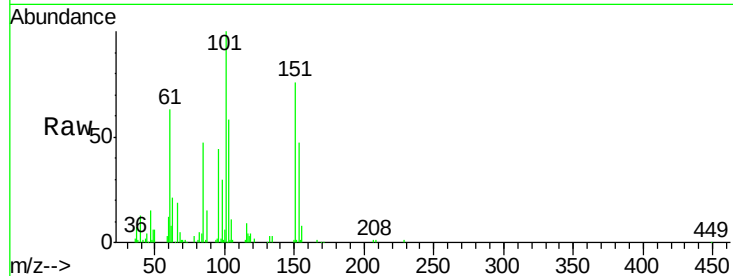
Tot Ion:101 Resp: 112262

Ion Ratio Lower Upper

101 100

85 45.1 35.4 53.2

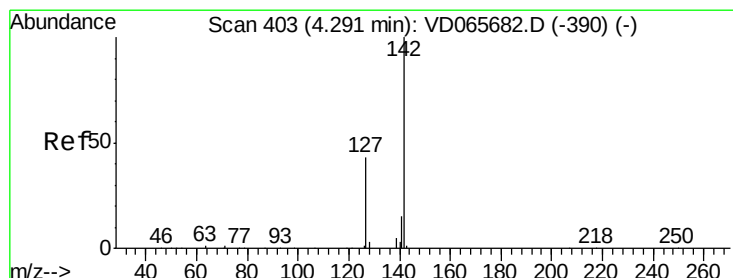
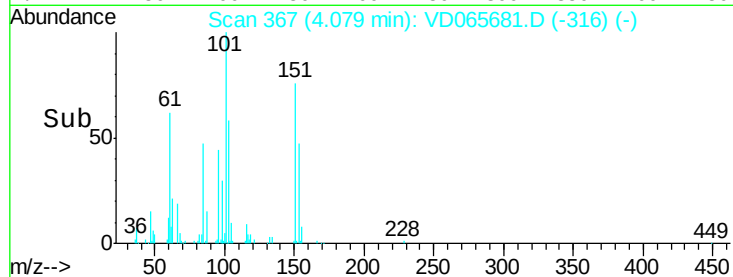
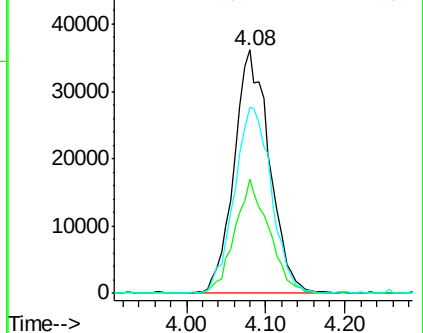
151 79.8 64.1 96.1



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: 20.047 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

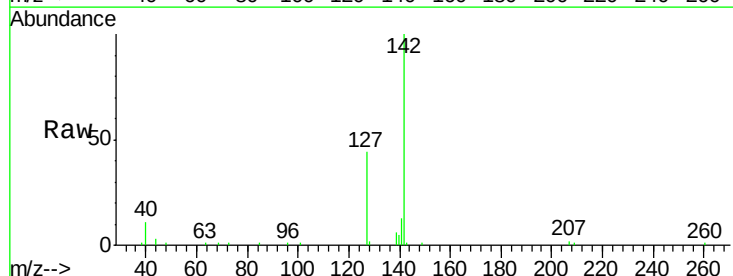
Tgt Ion:142 Resp: 81213

Ion Ratio Lower Upper

142 100

127 48.2 36.7 55.1

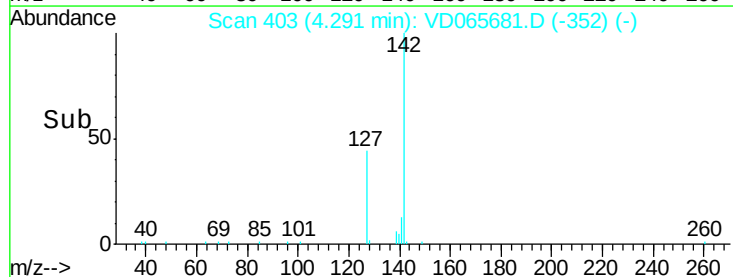
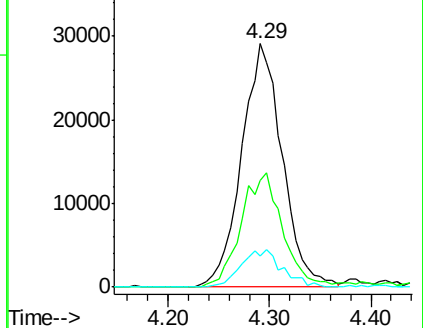
141 15.6 12.2 18.2

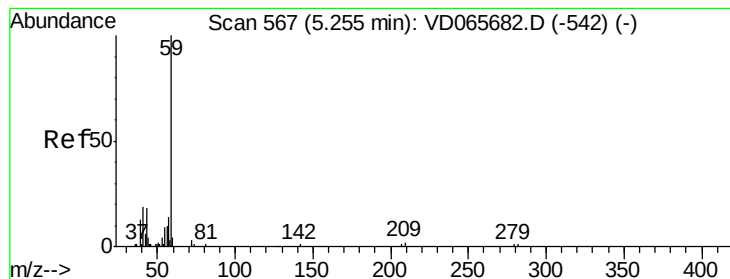


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



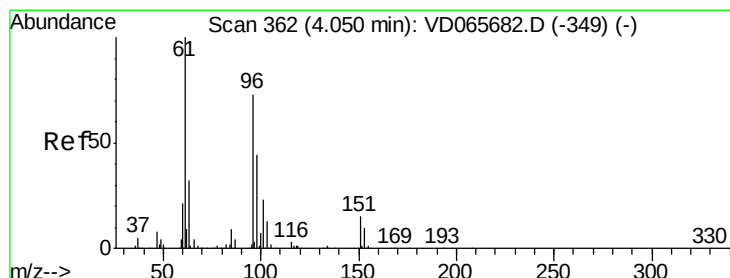
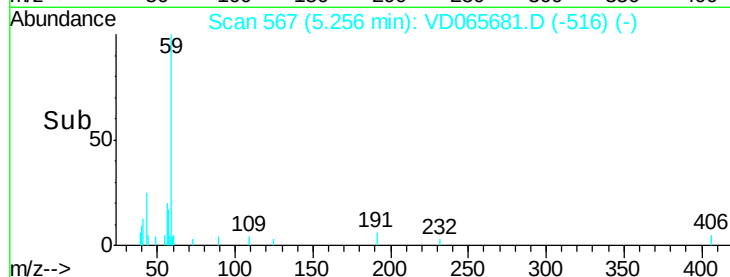
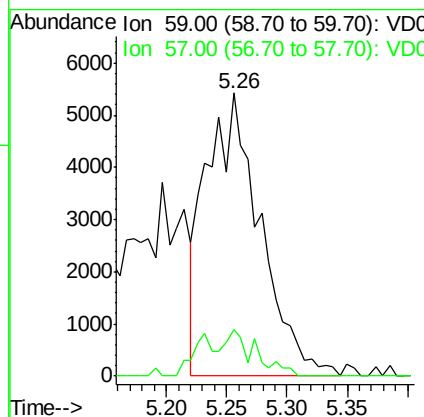
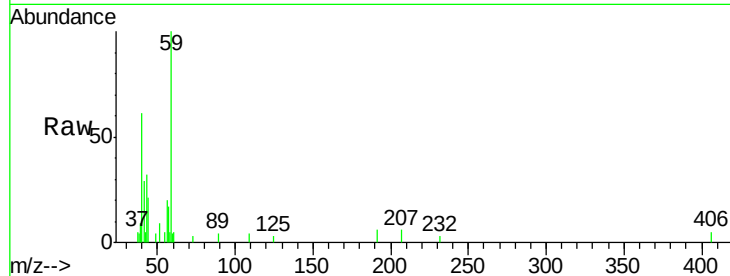


#11

Tert butyl alcohol
 Concen: 85.109 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

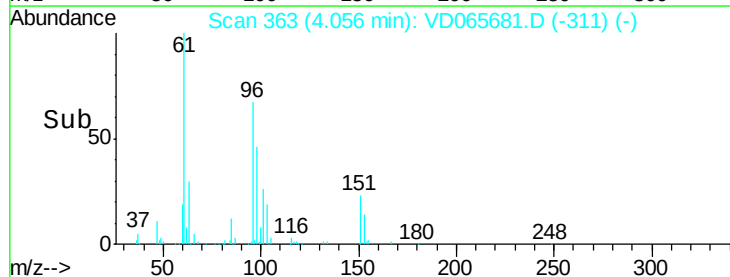
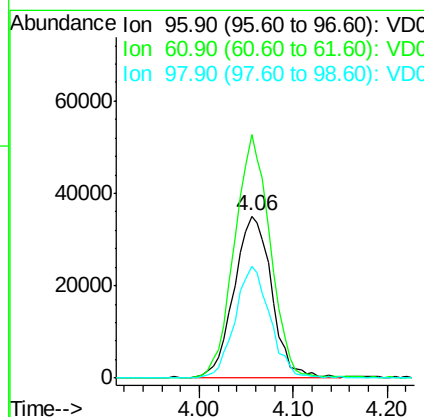
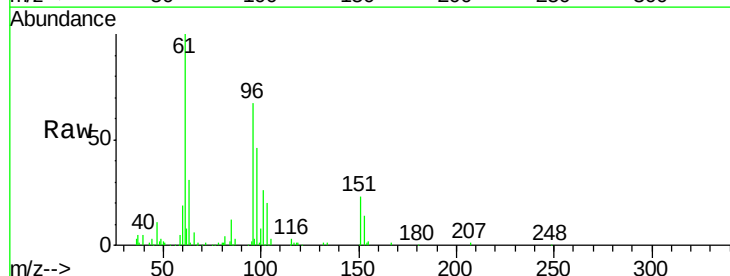
Tot Ion: 59 Resp: 16904
 Ion Ratio Lower Upper
 59 100
 57 6.0 6.8 10.2#

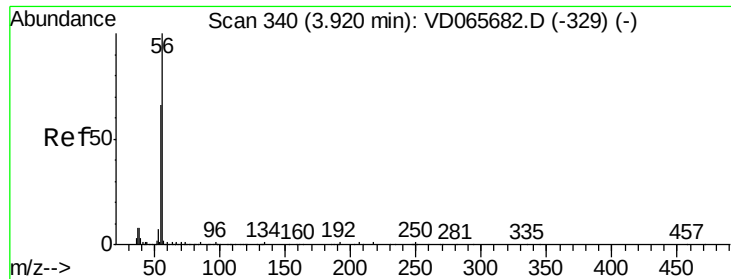


#12

1,1-Dichloroethene
 Concen: 10.447 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion: 96 Resp: 97580
 Ion Ratio Lower Upper
 96 100
 61 150.3 108.9 163.3
 98 68.6 47.8 71.8





#13

Acrolein

Concen: 52.715 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

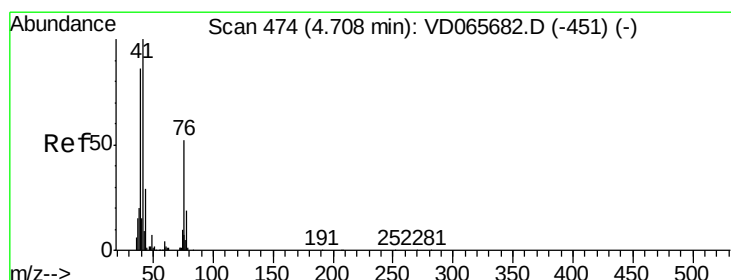
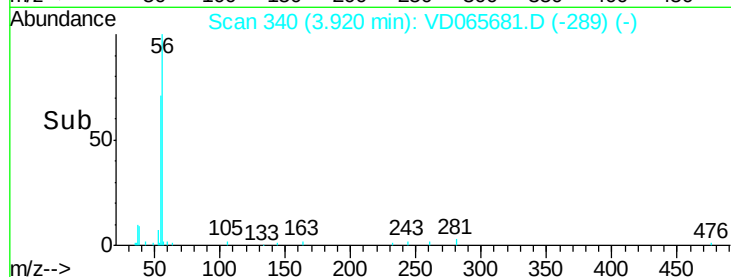
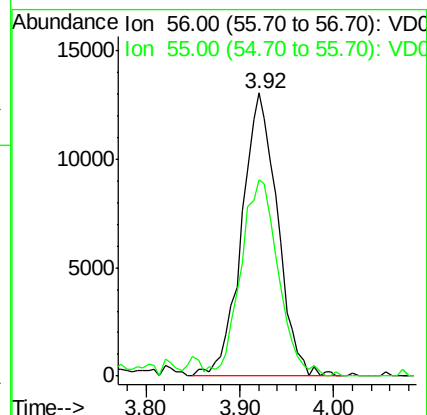
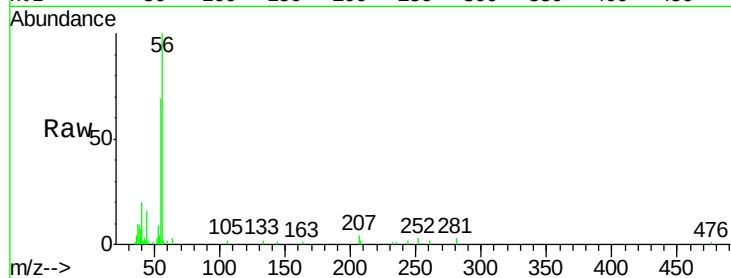
VSTDIC020

Tot Ion: 56 Resp: 34448

Ion Ratio Lower Upper

56 100

55 72.0 57.7 86.5



#14

Allyl chloride

Concen: 19.541 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

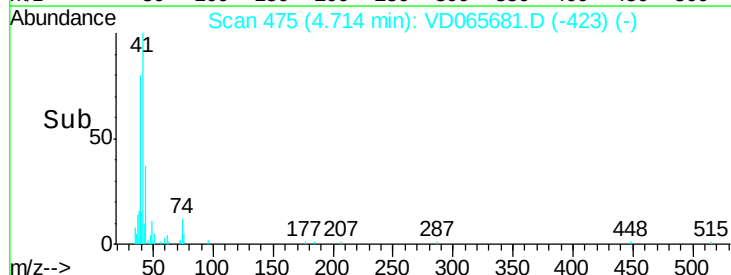
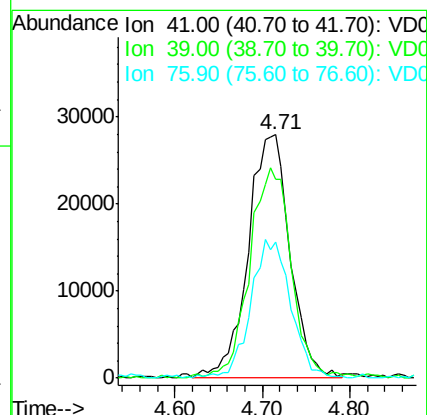
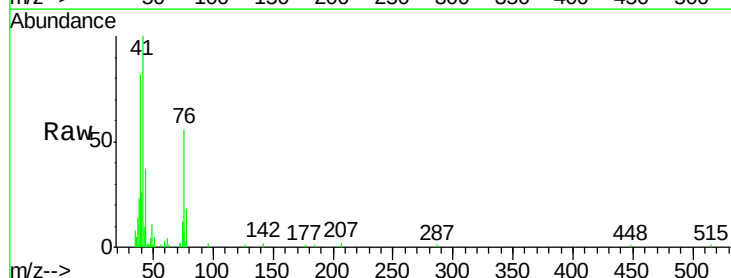
Tgt Ion: 41 Resp: 91521

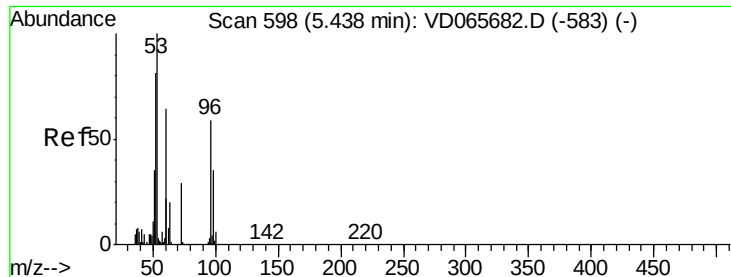
Ion Ratio Lower Upper

41 100

39 82.7 66.2 99.4

76 54.1 41.3 61.9





#15

Acrylonitrile

Concen: 102.046 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

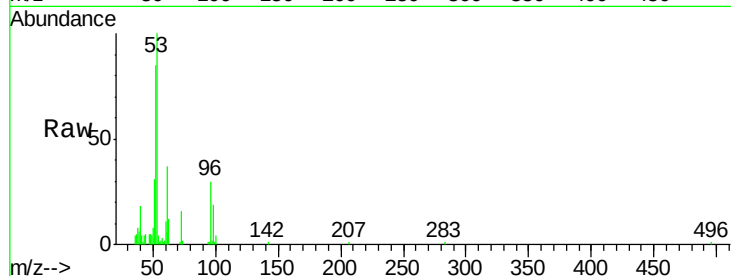
Tot Ion: 53 Resp: 79959

Ion Ratio Lower Upper

53 100

52 79.3 66.2 99.4

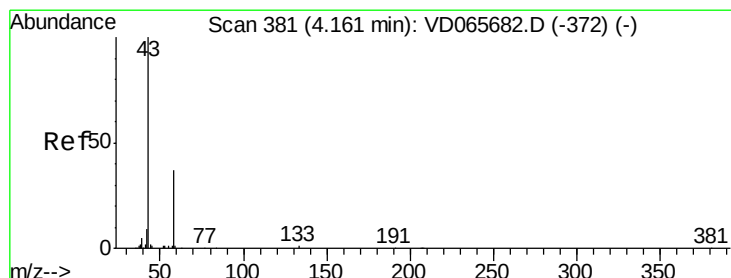
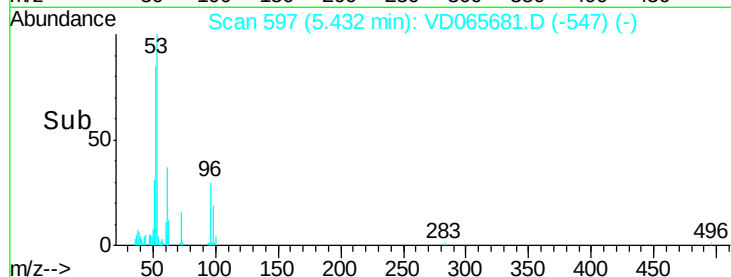
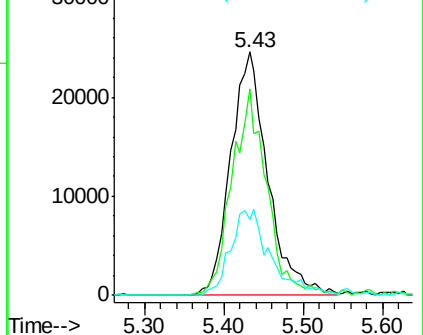
51 37.7 31.5 47.3



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: 74.939 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065681.D

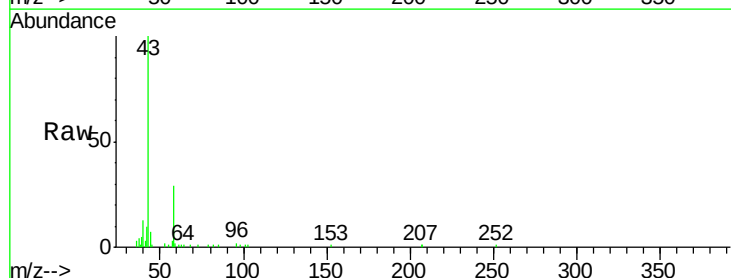
Acq: 29 Apr 2020 14:31

Tgt Ion: 43 Resp: 66103

Ion Ratio Lower Upper

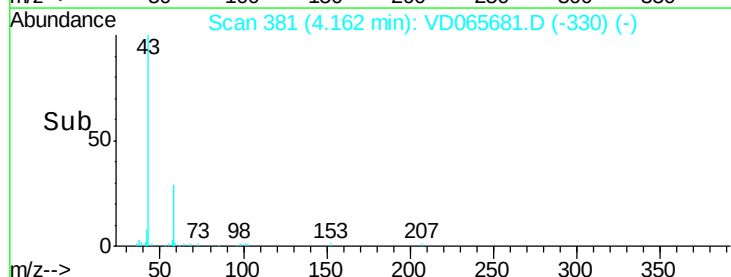
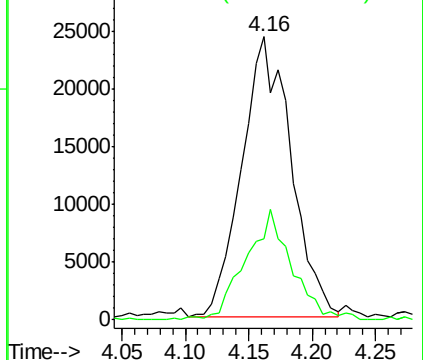
43 100

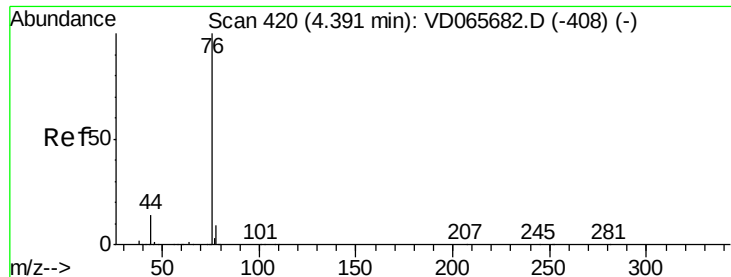
58 28.0 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.420 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

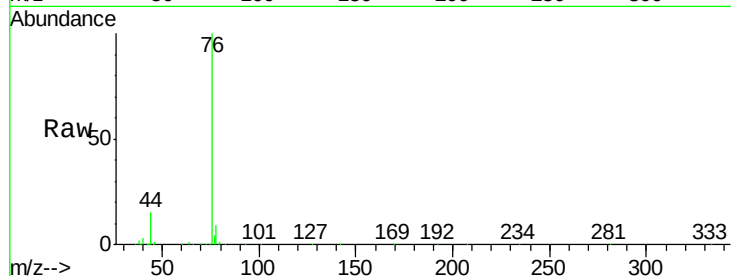
VSTDIC020

Tot Ion: 76 Resp: 298366

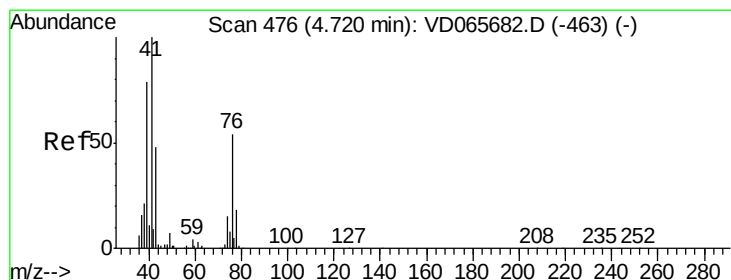
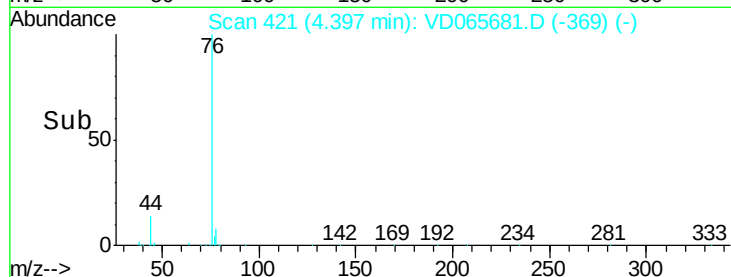
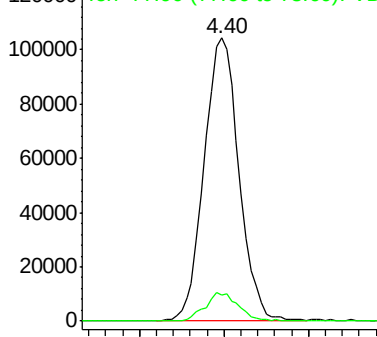
Ion Ratio Lower Upper

76 100

78 9.1 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: 18.519 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065681.D

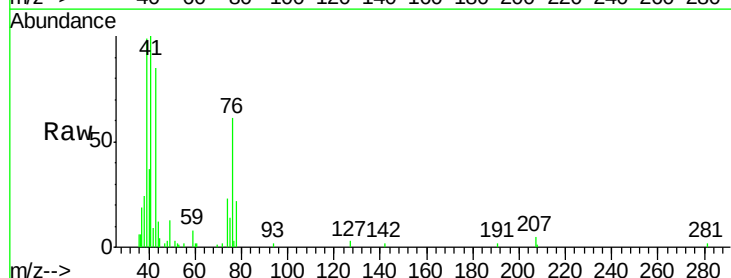
Acq: 29 Apr 2020 14:31

Tgt Ion: 43 Resp: 35964

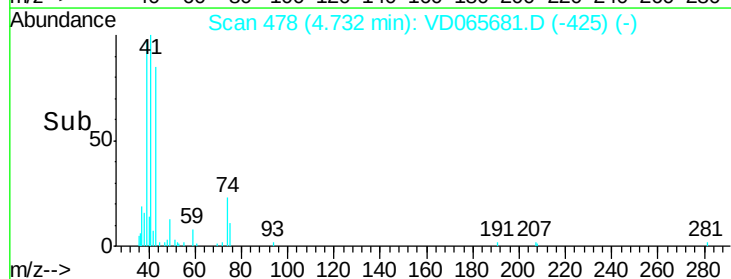
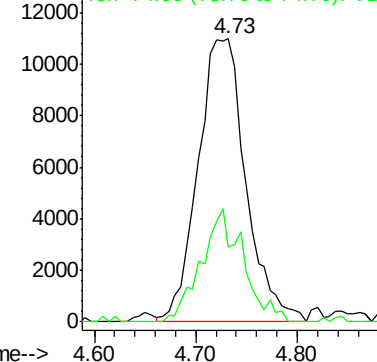
Ion Ratio Lower Upper

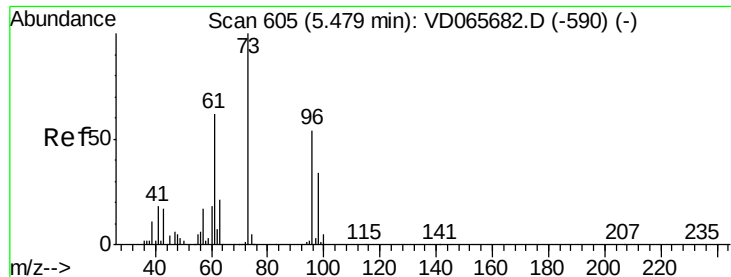
43 100

74 34.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



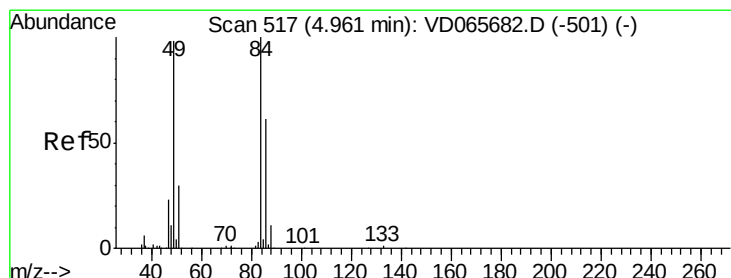
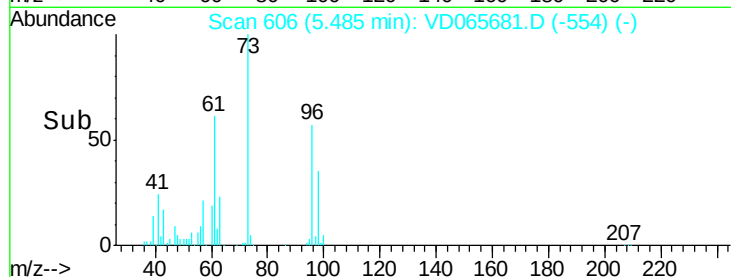
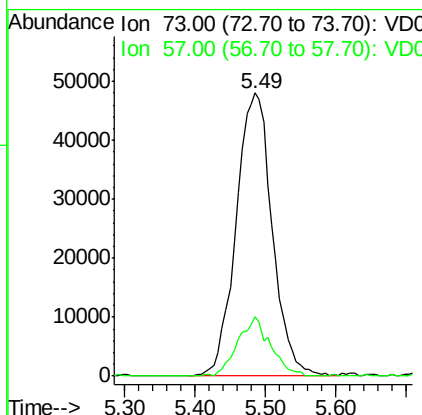
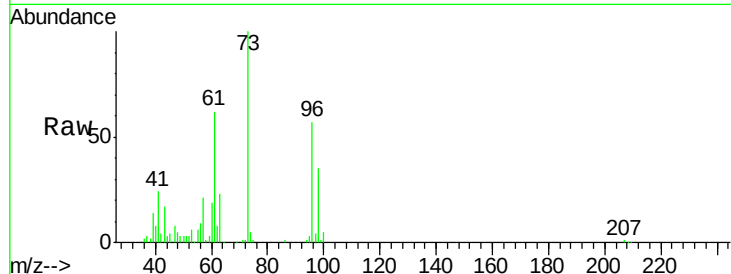


#19

Methyl tert-butyl Ether
 Concen: 19.733 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

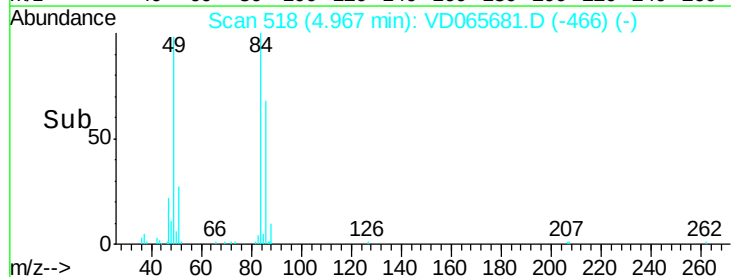
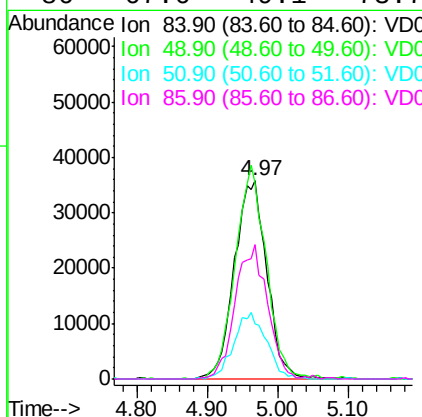
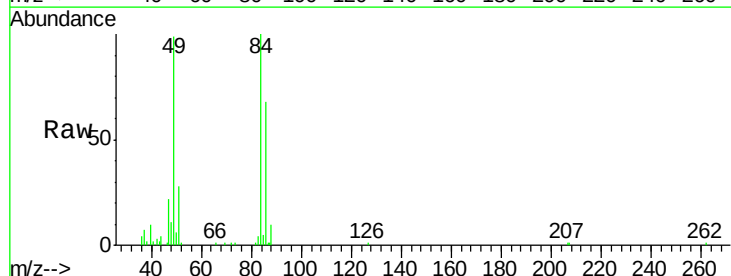
Tot Ion: 73 Resp: 170795
 Ion Ratio Lower Upper
 73 100
 57 20.9 13.7 20.5#

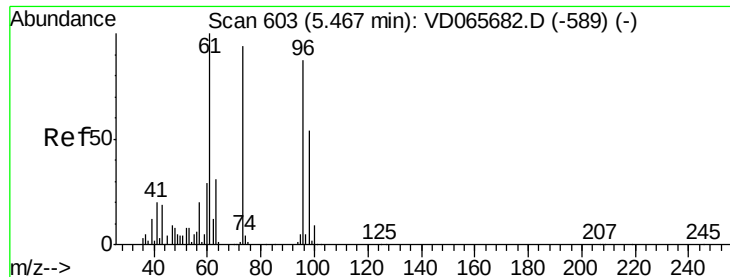


#20

Methylene Chloride
 Concen: 17.934 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion: 84 Resp: 114954
 Ion Ratio Lower Upper
 84 100
 49 98.8 78.6 118.0
 51 27.9 24.1 36.1
 86 67.6 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 19.158 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

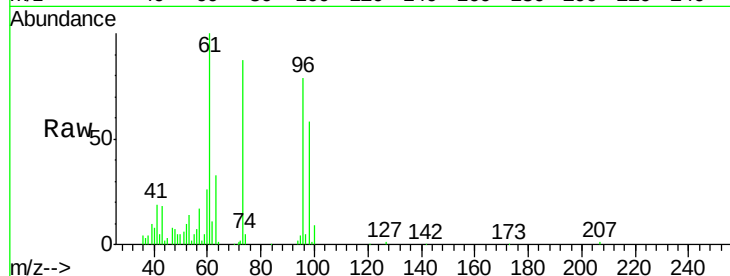
Tot Ion: 96 Resp: 109314

Ion Ratio Lower Upper

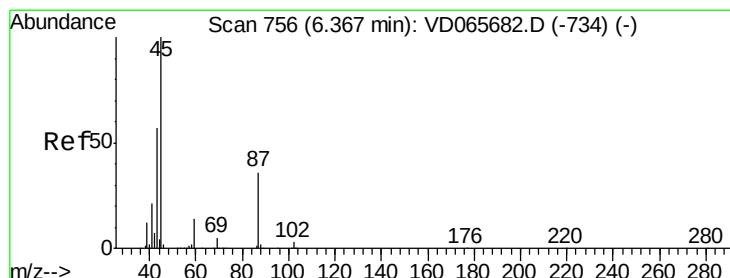
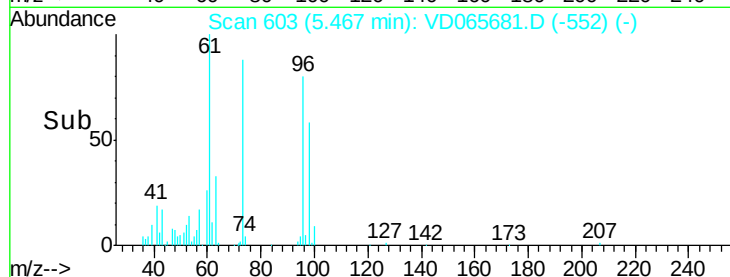
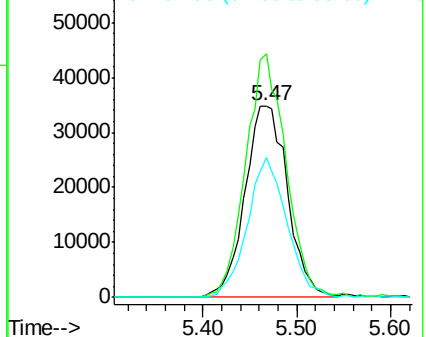
96 100

61 127.1 91.7 137.5

98 73.2 49.2 73.8



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



#22

Diisopropyl ether

Concen: 20.743 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Tgt Ion: 45 Resp: 209452

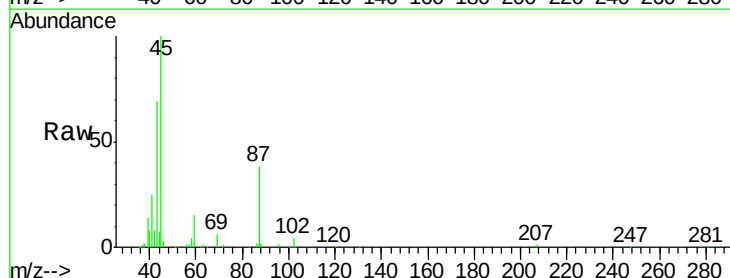
Ion Ratio Lower Upper

45 100

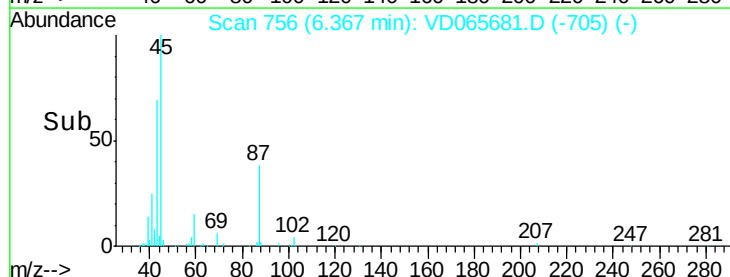
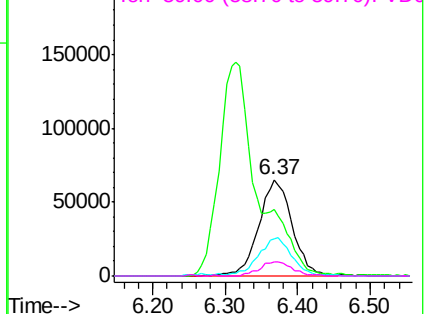
43 68.6 45.6 68.4#

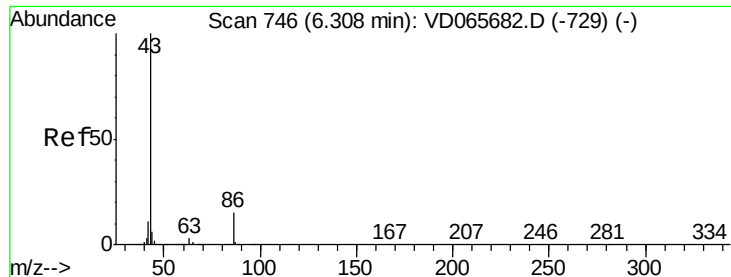
87 37.3 29.3 43.9

59 14.9 11.3 16.9



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

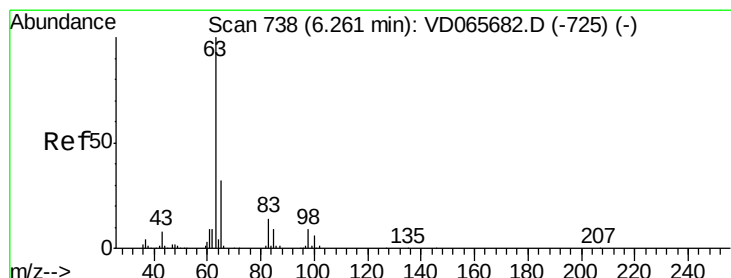
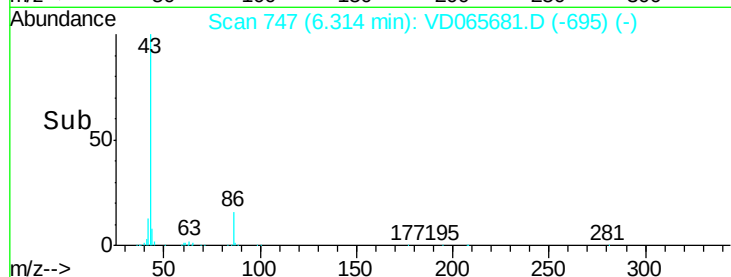
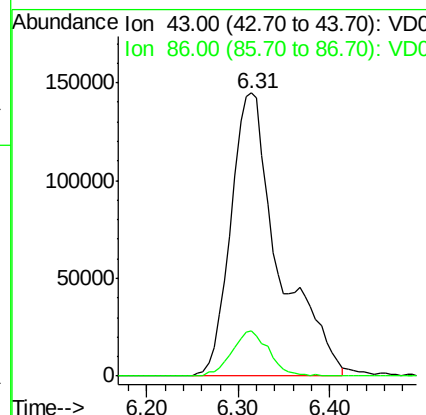
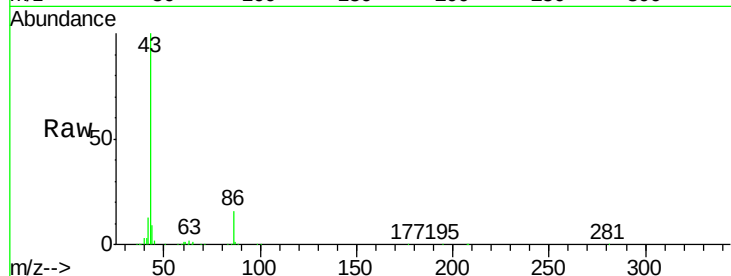




#23
 Vinyl Acetate
 Concen: 115.178 ug/l m
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

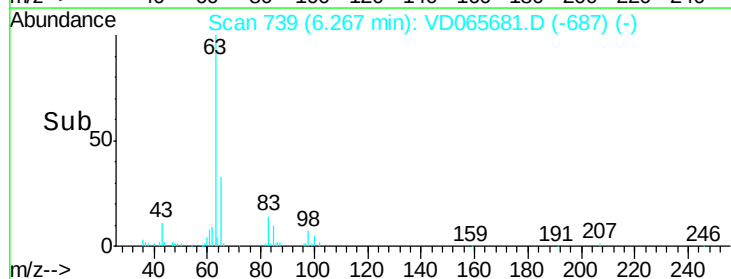
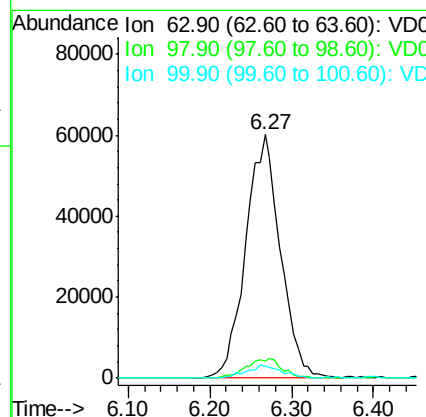
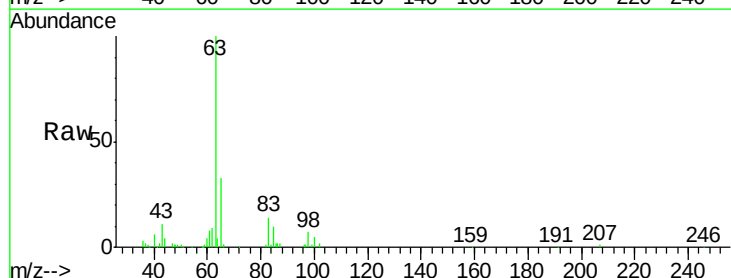
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

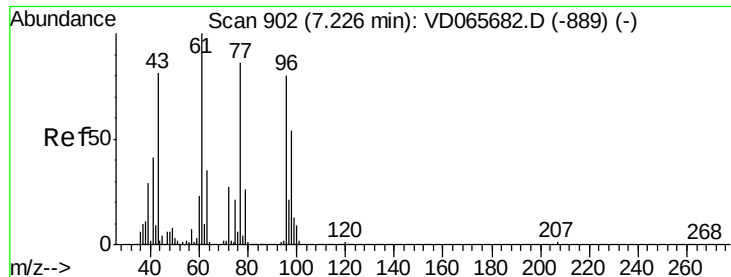
Tot Ion: 43 Resp: 529812
 Ion Ratio Lower Upper
 43 100
 86 15.9 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 19.848 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion: 63 Resp: 177900
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.3 13.1
 100 4.7 2.9 8.6





#25

2-Butanone

Concen: 95.331 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

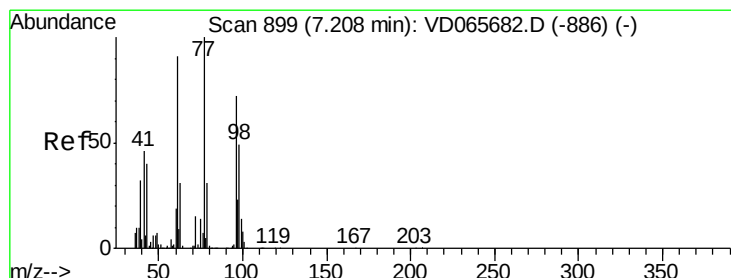
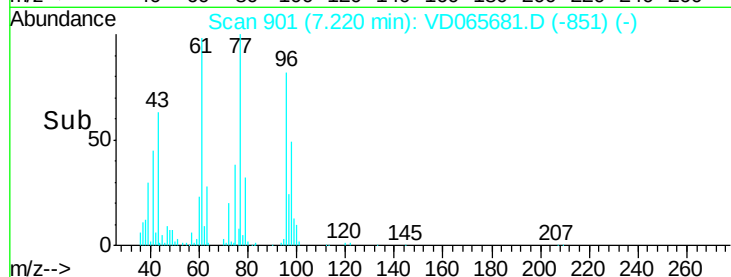
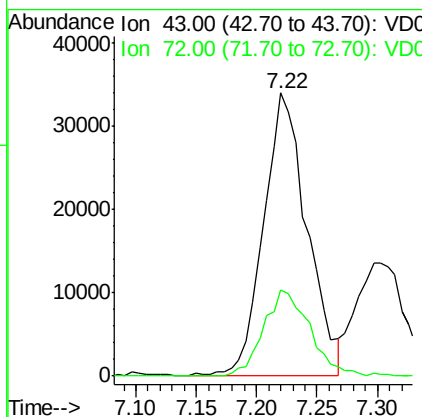
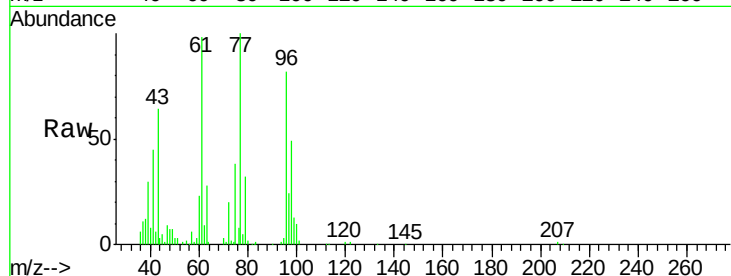
VSTDIC020

Tot Ion: 43 Resp: 85086

Ion Ratio Lower Upper

43 100

72 30.7 26.1 39.1



#26

2,2-Dichloropropane

Concen: 19.275 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065681.D

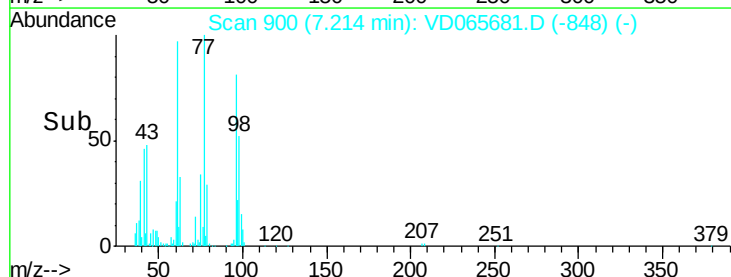
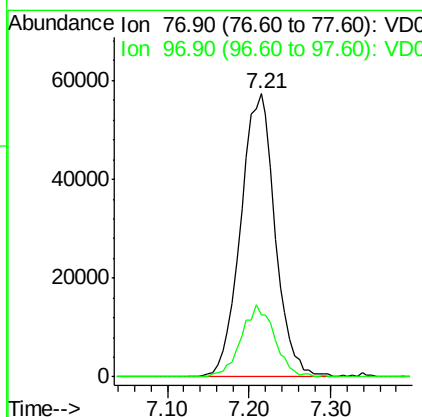
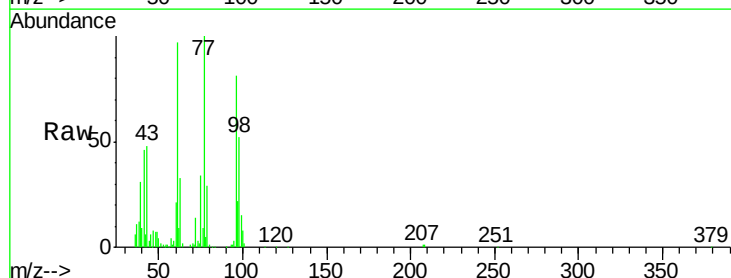
Acq: 29 Apr 2020 14:31

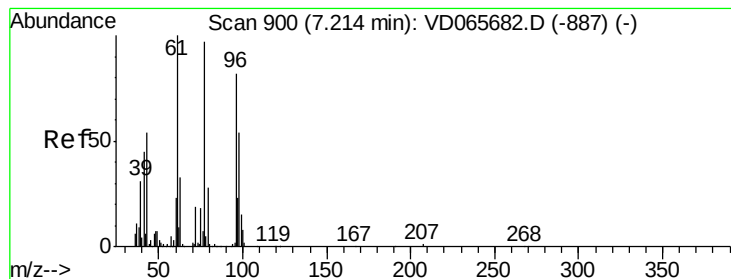
Tgt Ion: 77 Resp: 168035

Ion Ratio Lower Upper

77 100

97 24.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.121 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

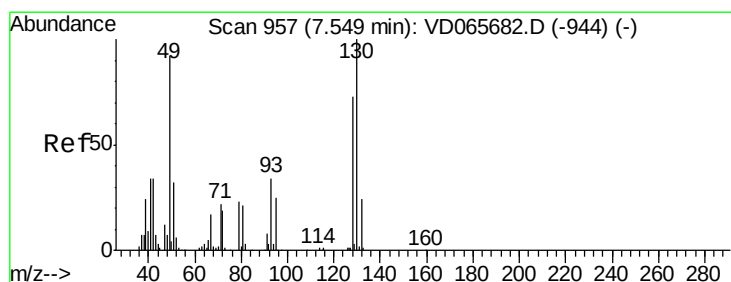
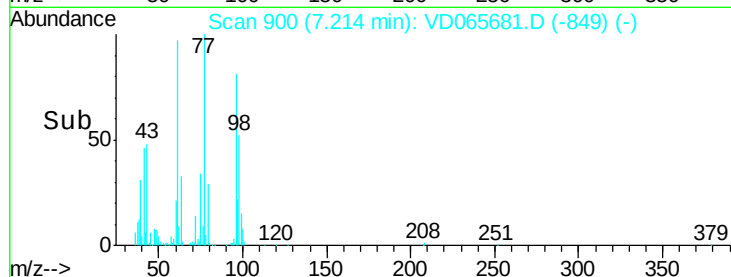
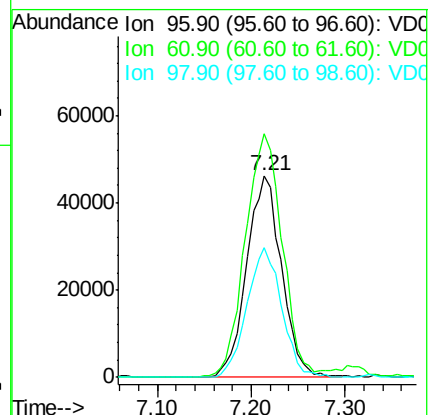
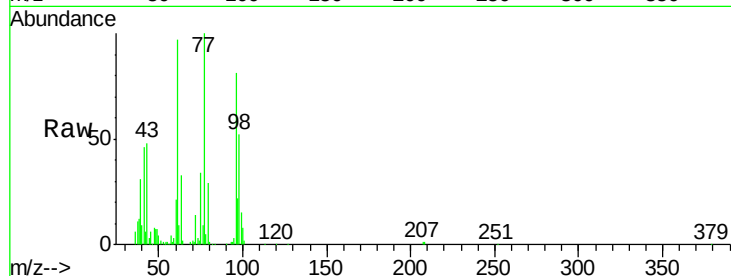
Tot Ion: 96 Resp: 118748

Ion Ratio Lower Upper

96 100

61 128.2 0.0 250.8

98 64.0 0.0 129.8



#28

Bromochloromethane

Concen: 20.420 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

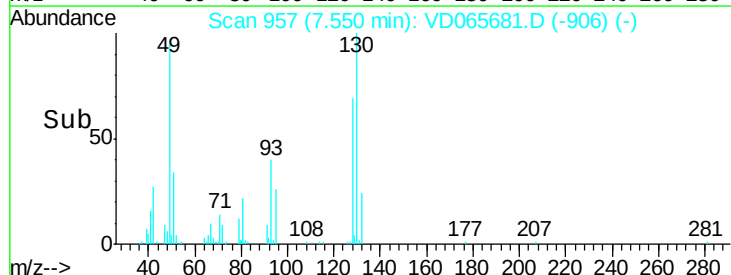
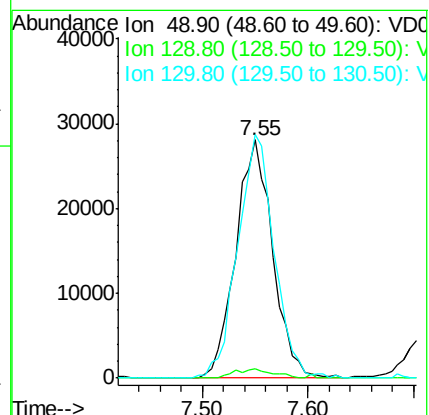
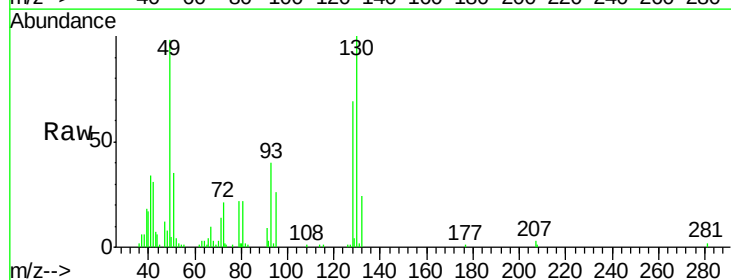
Tgt Ion: 49 Resp: 67958

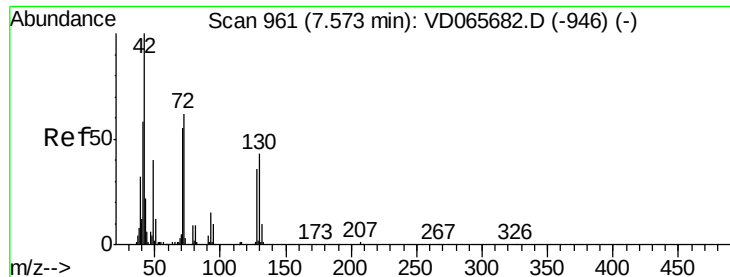
Ion Ratio Lower Upper

49 100

129 4.0 0.0 6.8

130 100.9 86.4 129.6

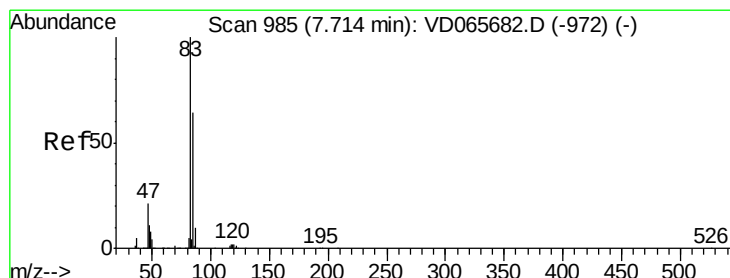
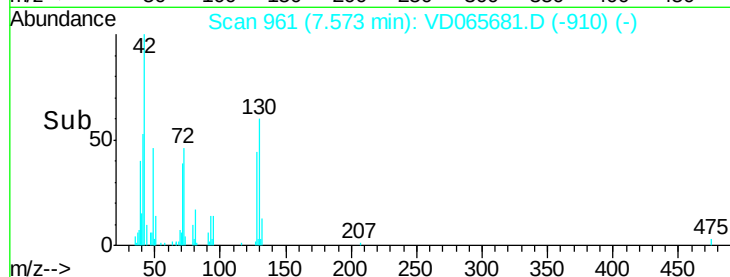
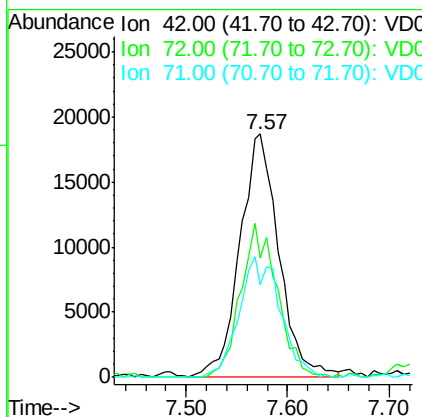
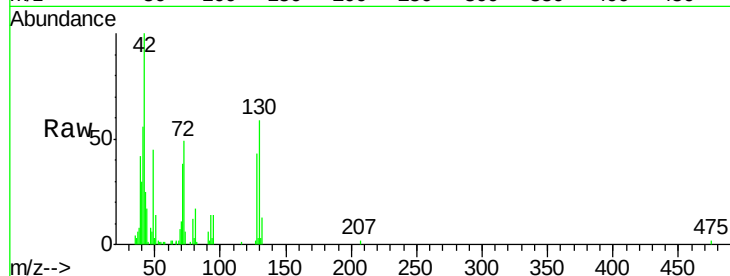




#29
Tetrahydrofuran
Concen: 97.287 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

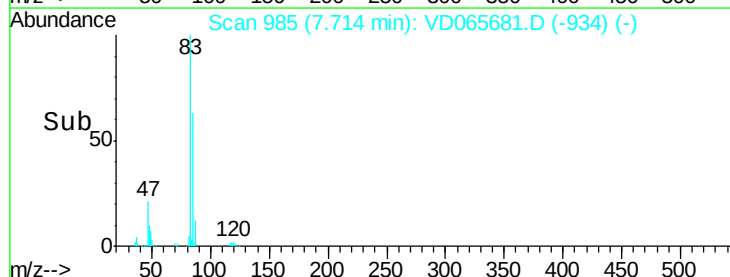
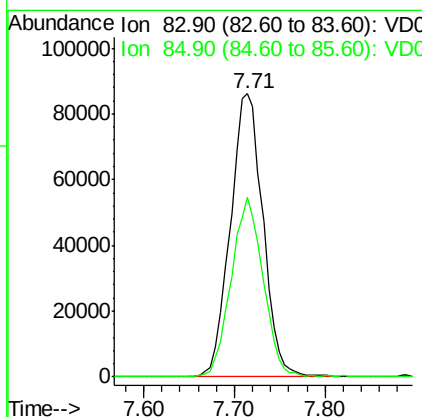
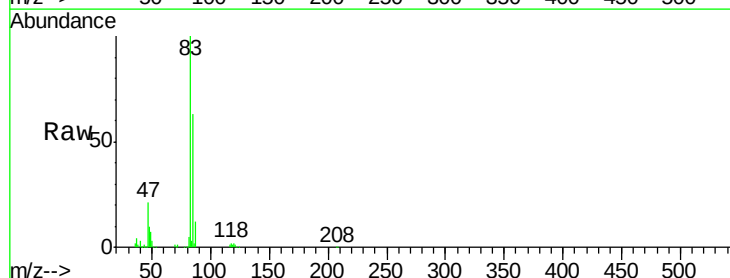
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

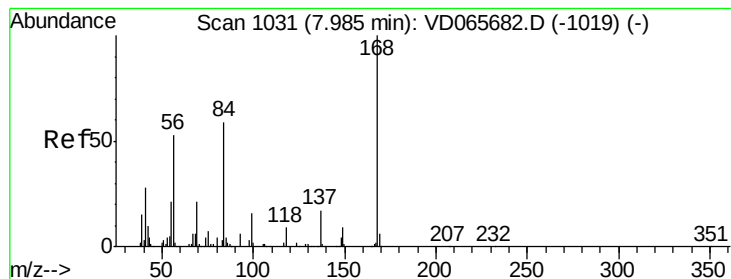
Tot Ion: 42 Resp: 50255
Ion Ratio Lower Upper
42 100
72 58.9 47.9 71.9
71 52.0 45.4 68.0



#30
Chloroform
Concen: 19.839 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 83 Resp: 215120
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.6





#31

Cyclohexane

Concen: 18.922 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

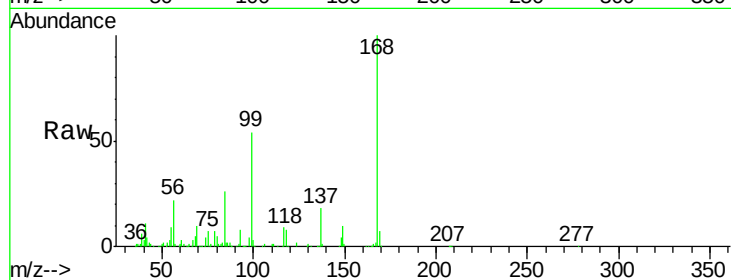
Tot Ion: 56 Resp: 143635

Ion Ratio Lower Upper

56 100

69 44.4 31.1 46.7

84 118.0 88.9 133.3

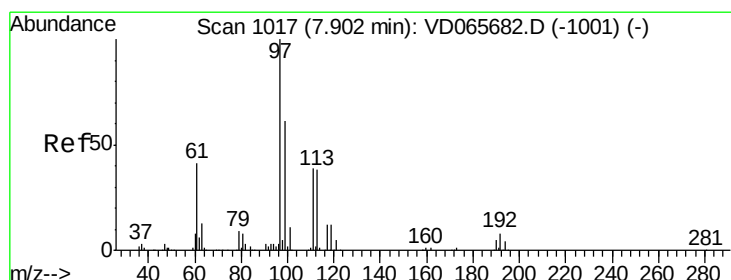
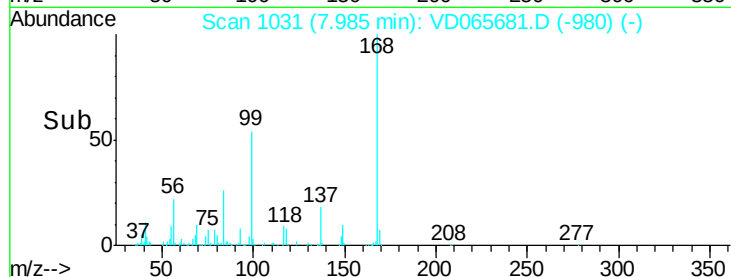
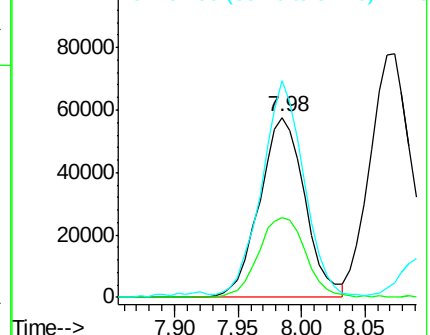


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.594 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

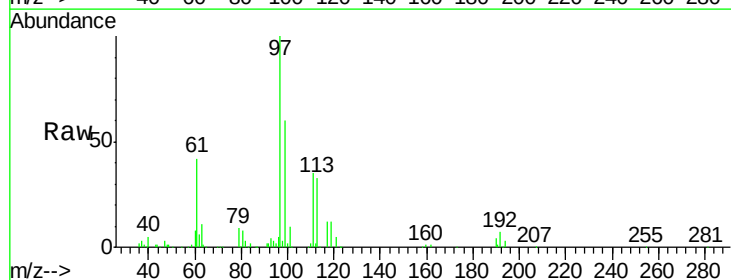
Tgt Ion: 97 Resp: 196376

Ion Ratio Lower Upper

97 100

99 63.0 50.7 76.1

61 41.4 32.4 48.6

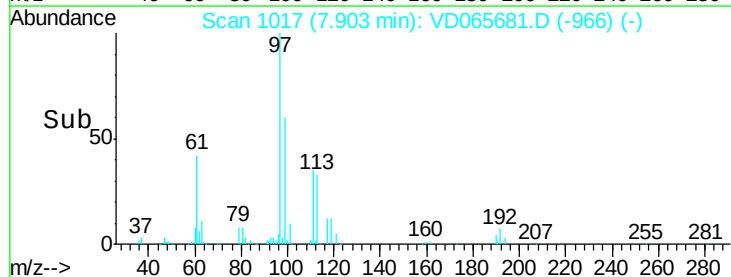
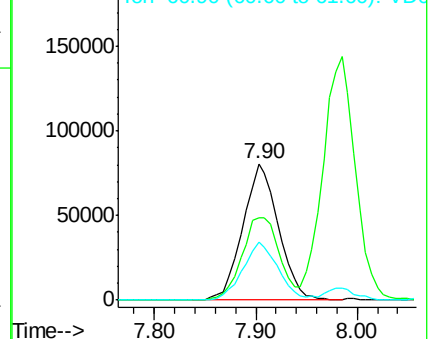


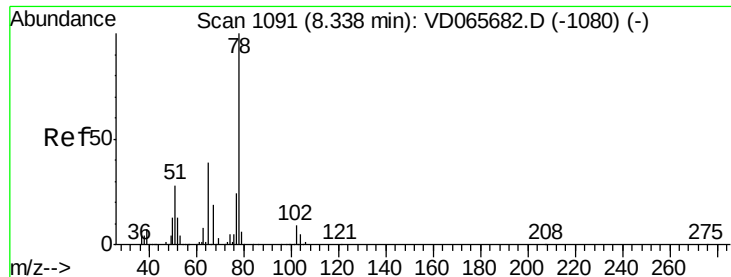
Abundance

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: 18.507 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

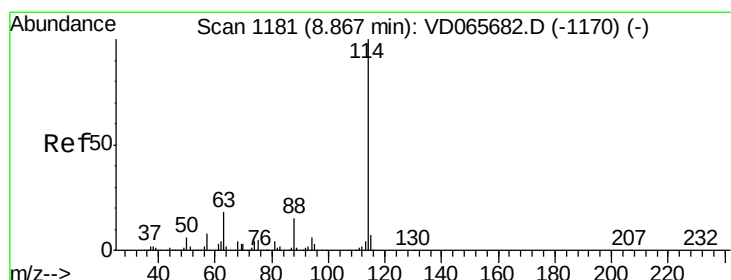
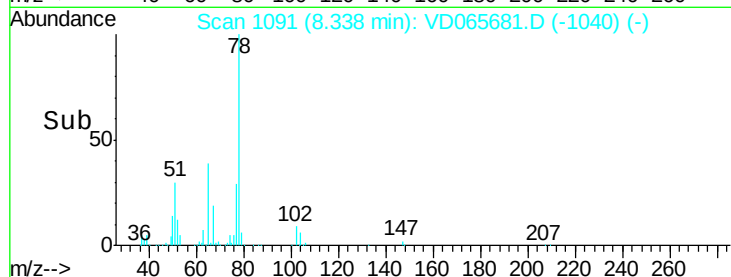
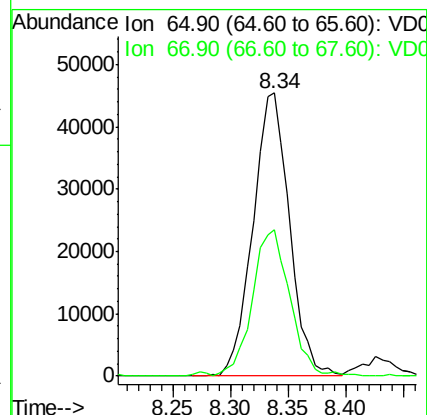
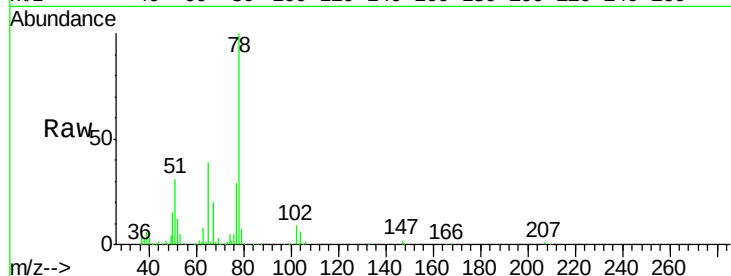
VSTDIC020

Tot Ion: 65 Resp: 100167

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

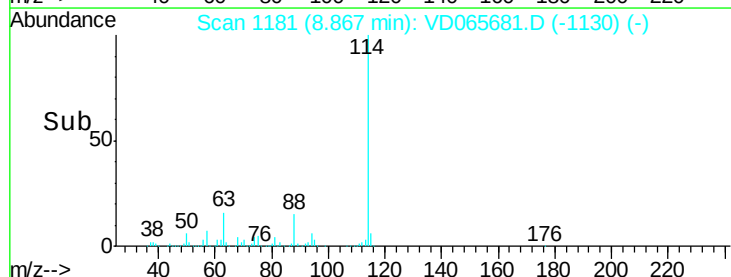
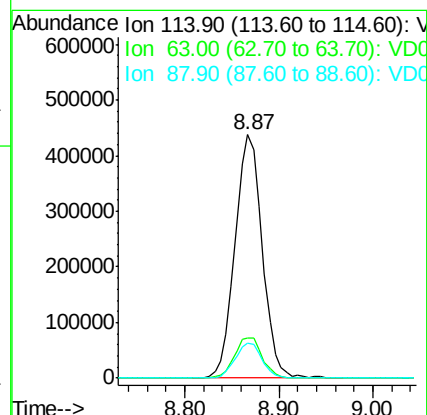
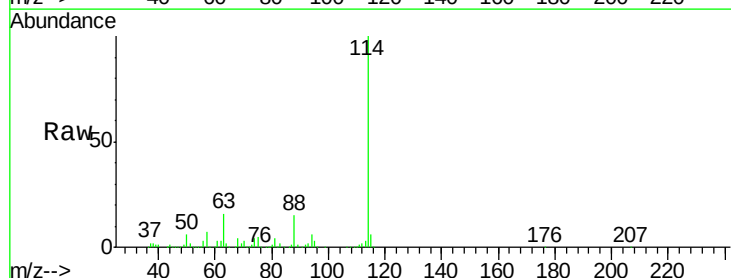
Tgt Ion: 114 Resp: 881568

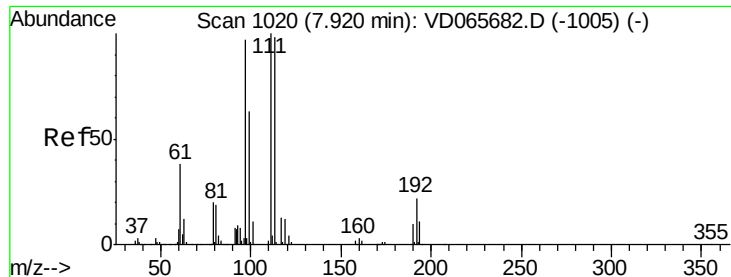
Ion Ratio Lower Upper

114 100

63 16.5 0.0 36.8

88 14.6 0.0 29.6

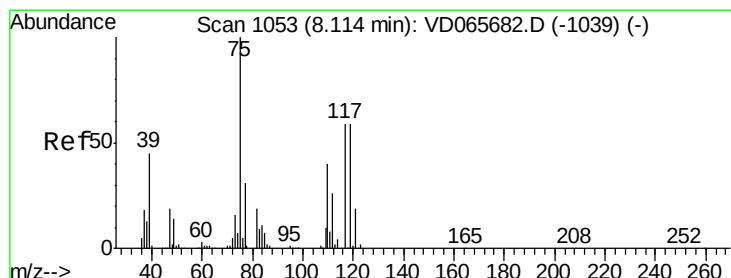
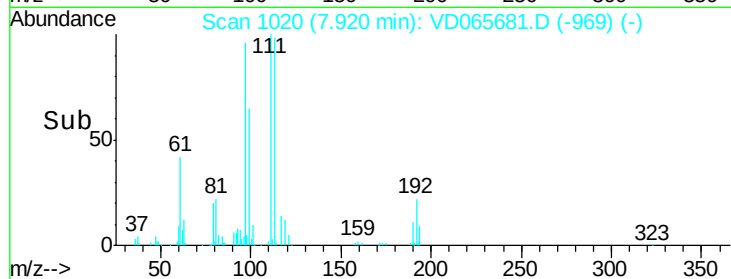
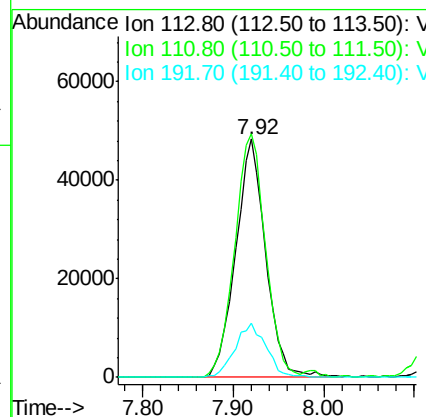
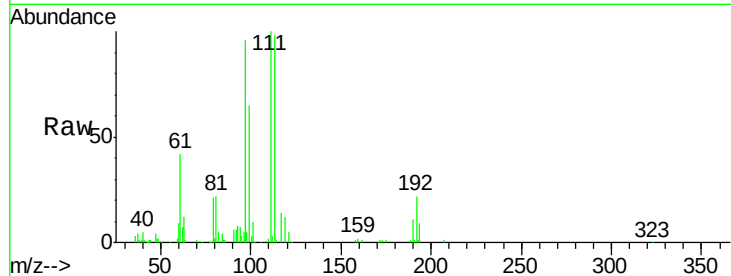




#35
 Dibromofluoromethane
 Concen: 18.412 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

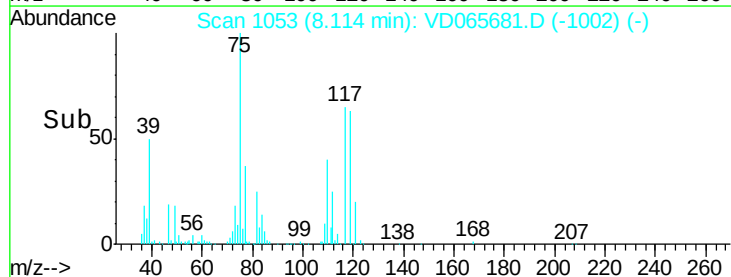
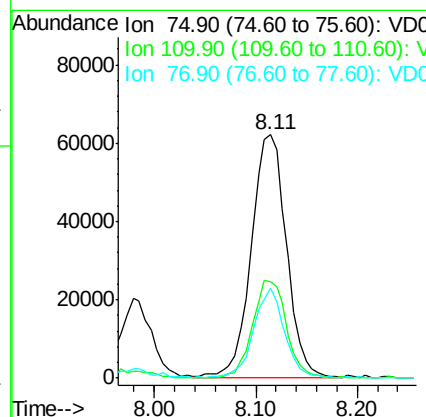
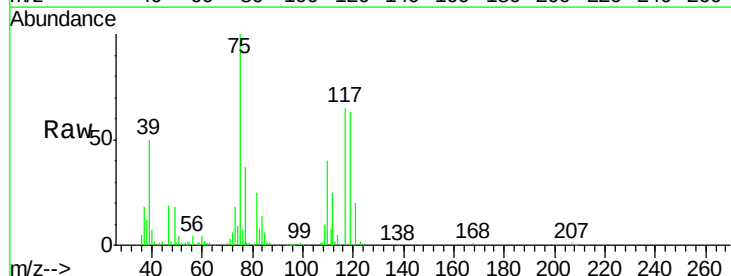
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

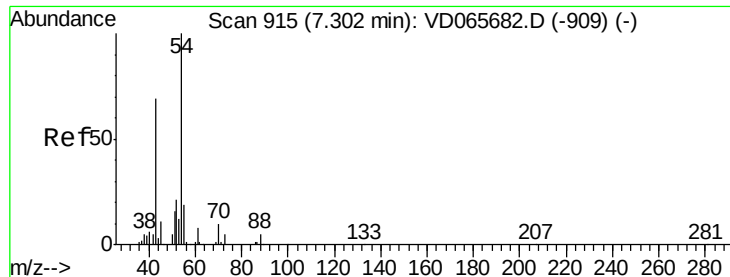
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.3	124.9
192	23.3	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 19.417 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	20.0	60.0
77	32.5	25.4	38.2

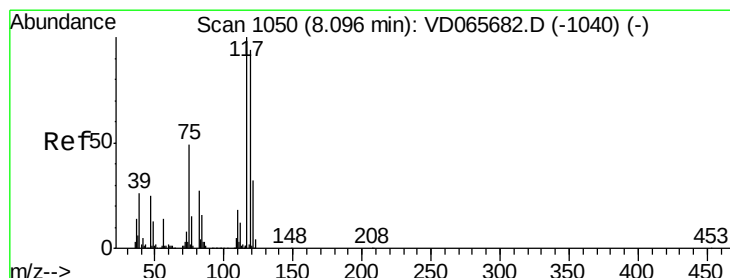
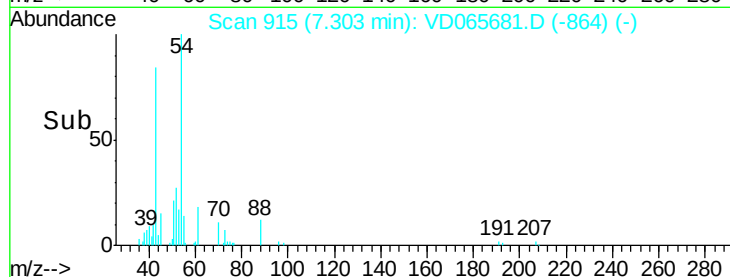
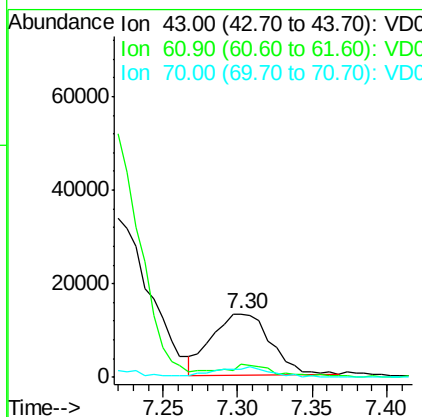
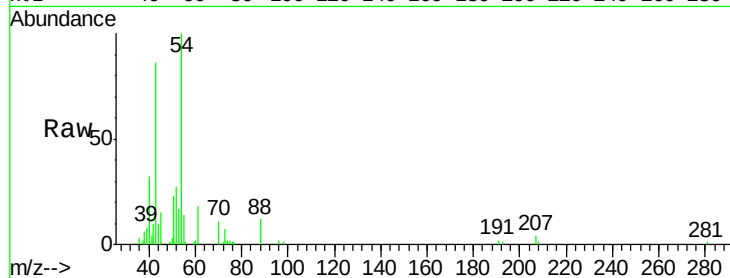




#37
Ethyl Acetate
Concen: 17.296 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

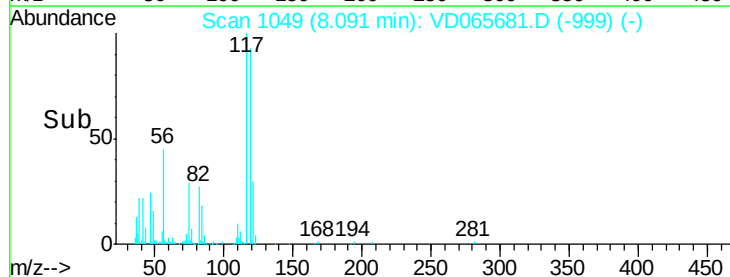
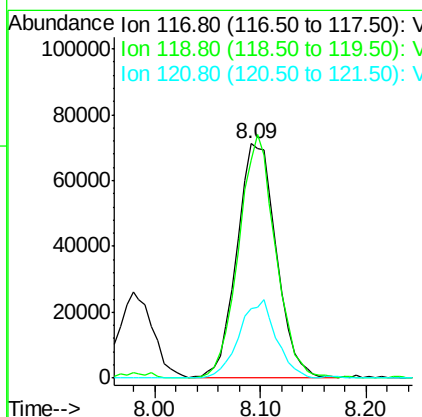
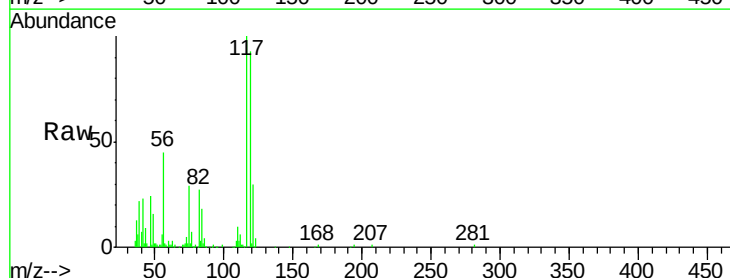
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

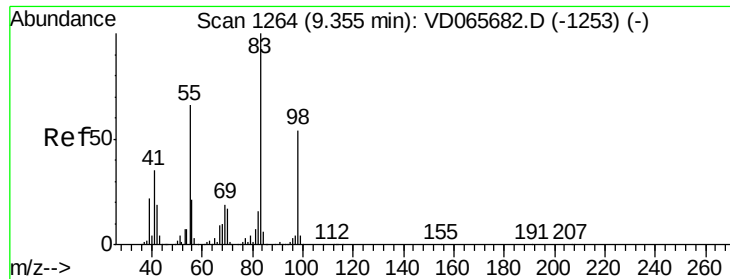
Tot Ion: 43 Resp: 36259
Ion Ratio Lower Upper
43 100
61 17.2 13.0 19.4
70 15.9 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 18.638 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 117 Resp: 183377
Ion Ratio Lower Upper
117 100
119 93.5 75.4 113.2
121 29.9 25.3 37.9

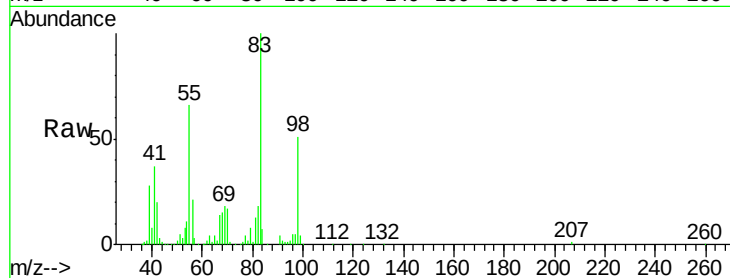




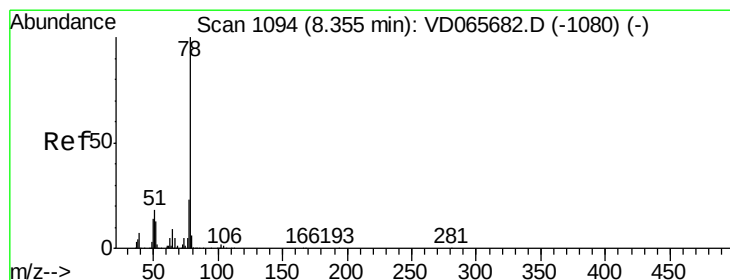
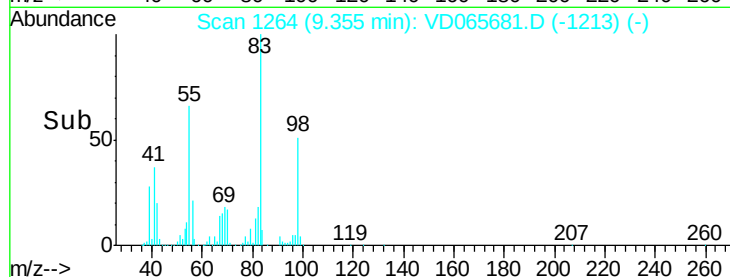
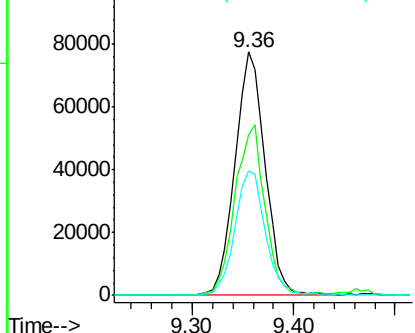
#39
Methylvlcyclohexane
Concen: 19.375 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 159928
Ion Ratio Lower Upper
83 100
55 65.7 52.6 79.0
98 50.9 43.0 64.4

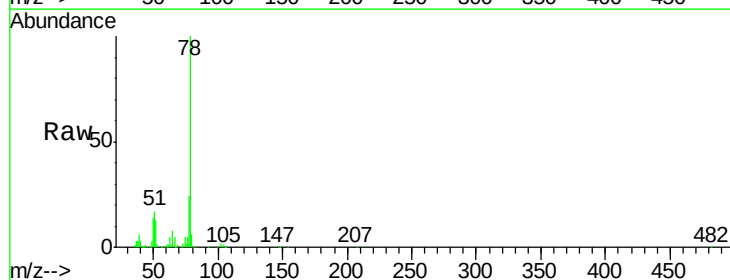


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

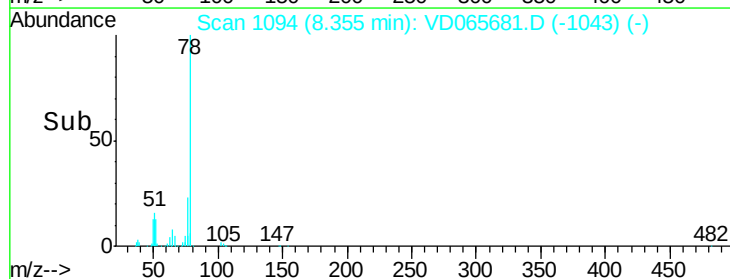
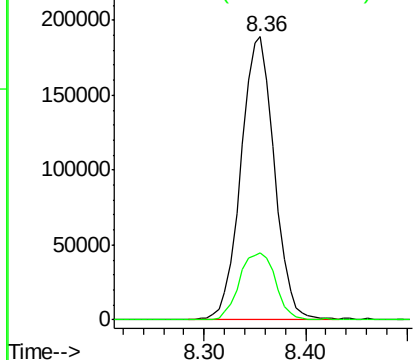


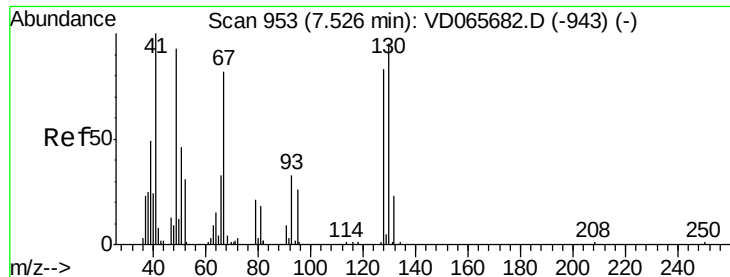
#40
Benzene
Concen: 19.569 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 78 Resp: 430866
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 14.372 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 18716

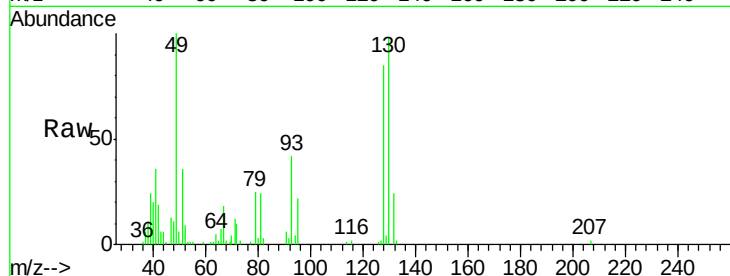
Ion Ratio Lower Upper

41 100

39 100.2 0.0 0.0#

67 0.0 93.6 140.4#

52 0.0 40.5 60.7#

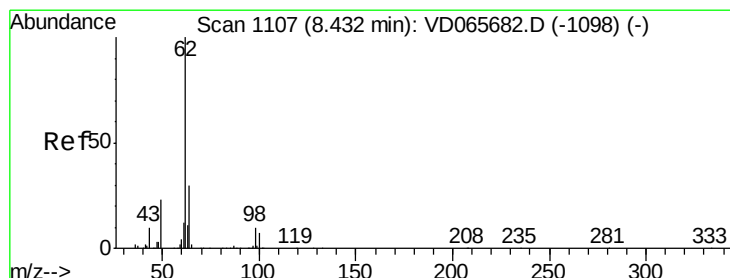
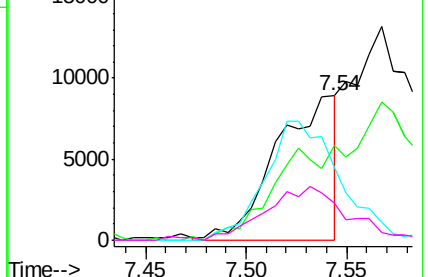
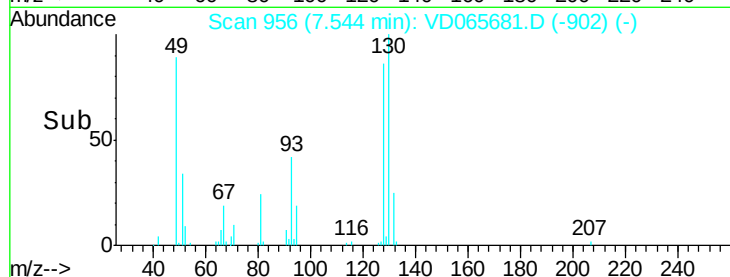


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.027 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065681.D

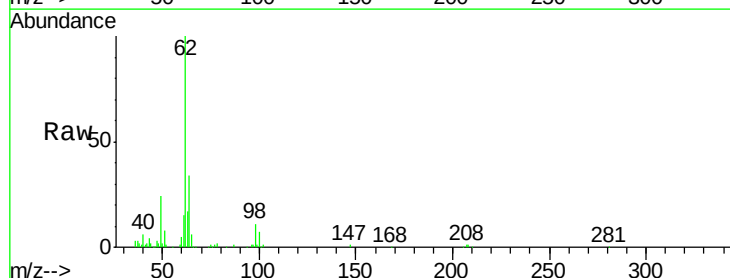
Acq: 29 Apr 2020 14:31

Tgt Ion: 62 Resp: 121084

Ion Ratio Lower Upper

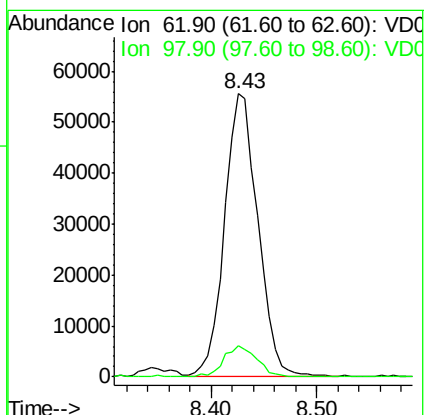
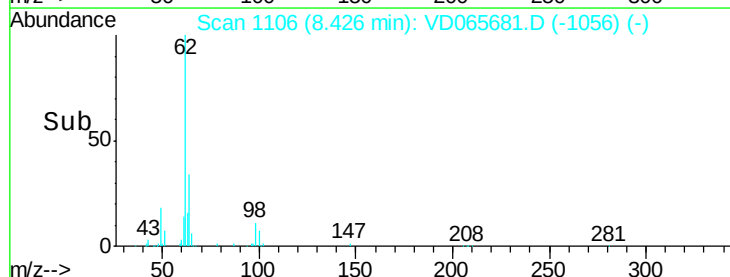
62 100

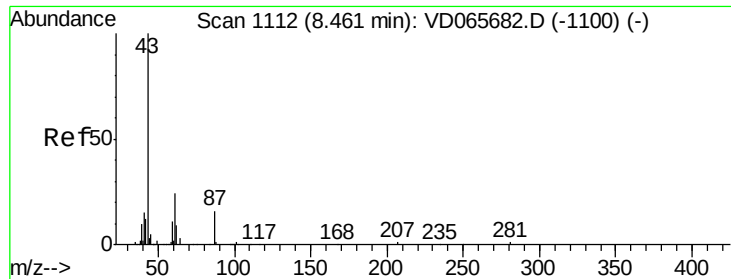
98 10.8 0.0 21.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.832 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

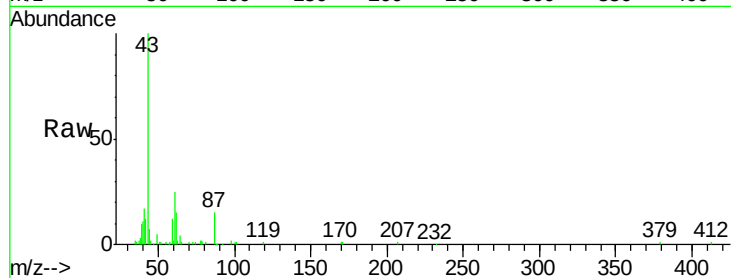
Tot Ion: 43 Resp: 74177

Ion Ratio Lower Upper

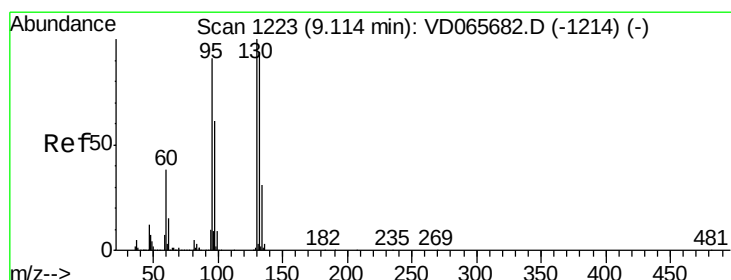
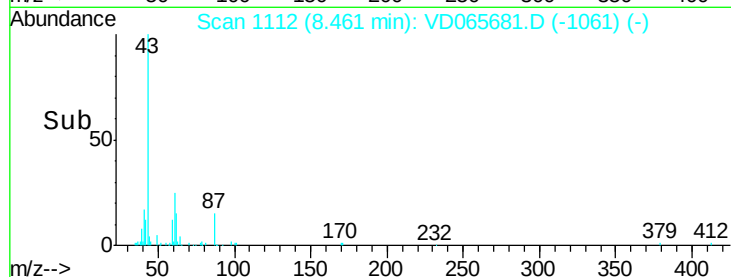
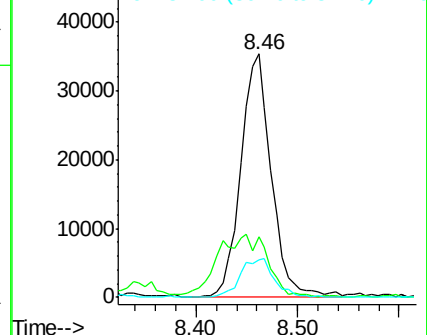
43 100

61 42.5 30.2 45.2

87 17.5 13.7 20.5



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



#44

Trichloroethene

Concen: 18.610 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065681.D

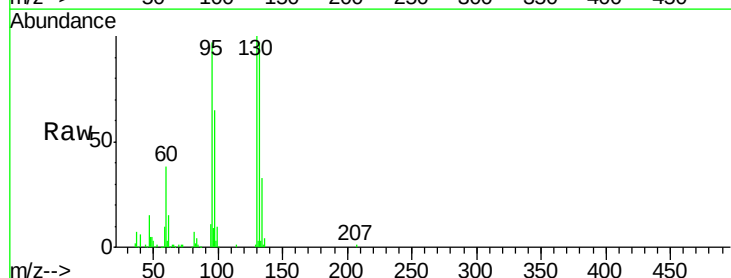
Acq: 29 Apr 2020 14:31

Tgt Ion:130 Resp: 126598

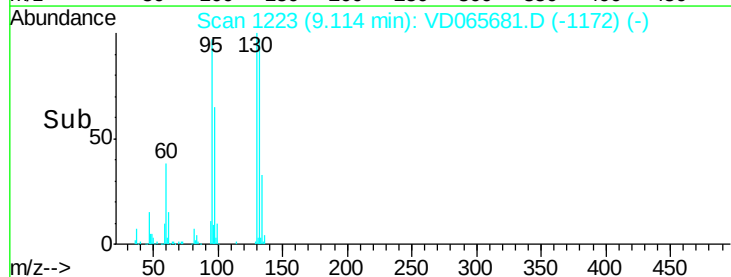
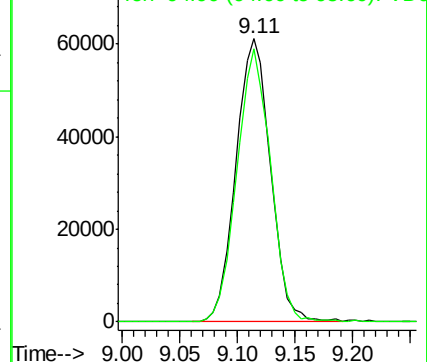
Ion Ratio Lower Upper

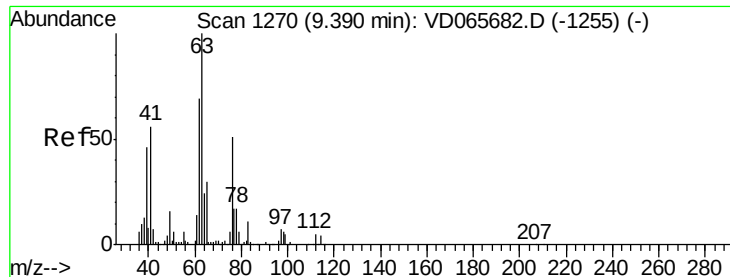
130 100

95 96.6 0.0 183.0



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





#45

1,2-Dichloropropane

Concen: 20.140 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

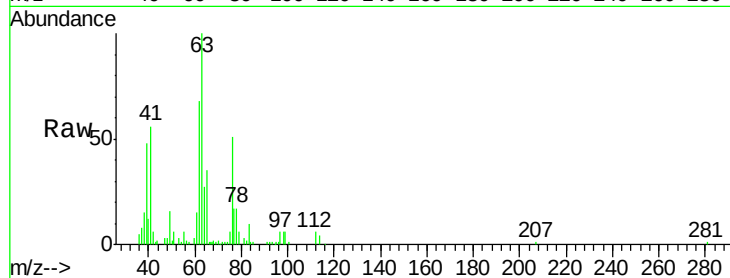
VSTDIC020

Tot Ion: 63 Resp: 100246

Ion Ratio Lower Upper

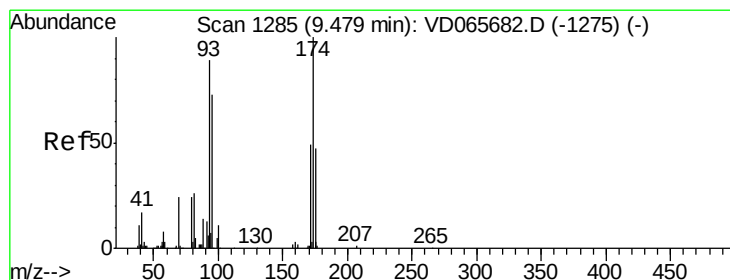
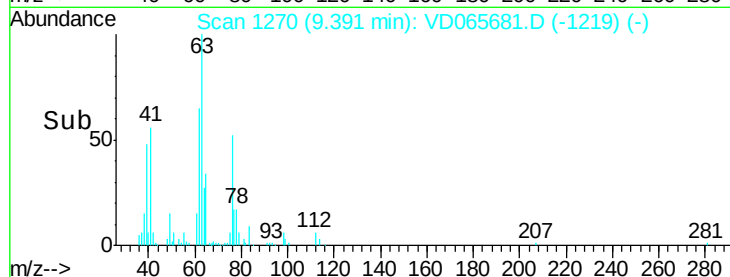
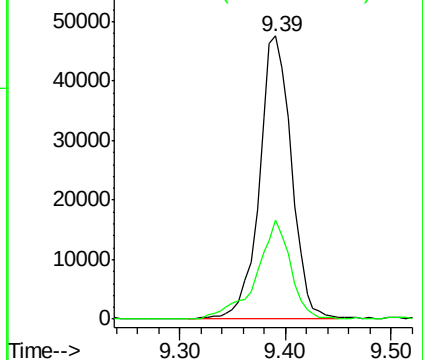
63 100

65 35.0 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.151 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

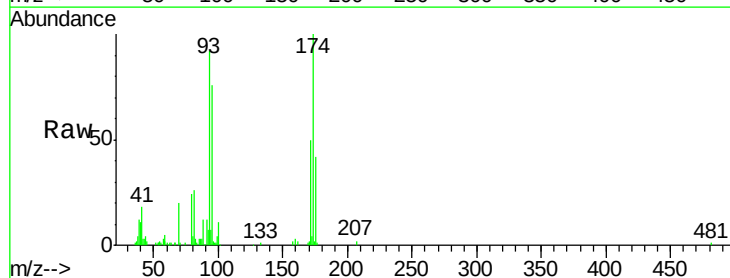
Tgt Ion: 93 Resp: 64942

Ion Ratio Lower Upper

93 100

95 83.6 65.7 98.5

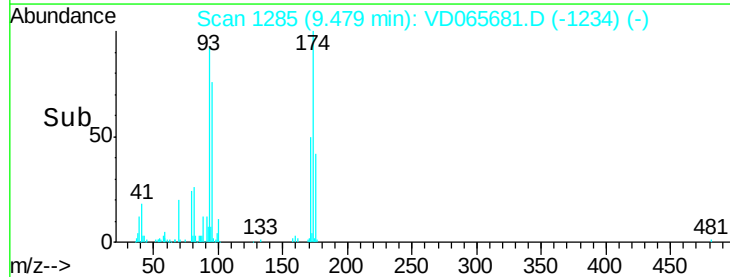
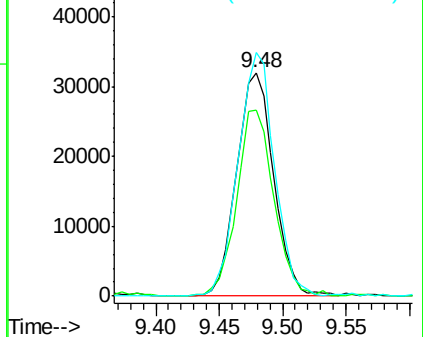
174 107.0 87.3 130.9

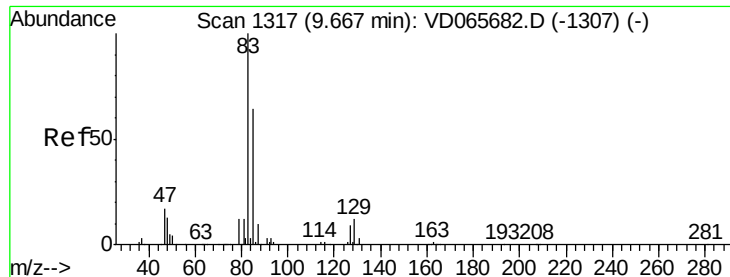


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.096 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

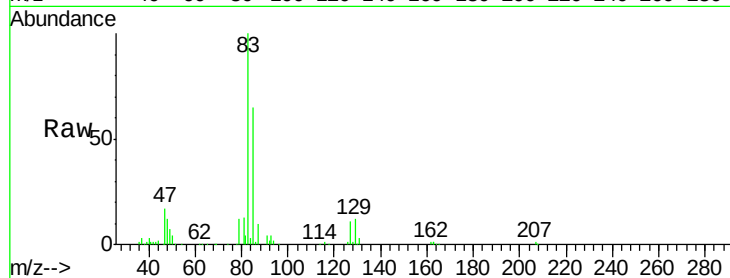
Tot Ion: 83 Resp: 162692

Ion Ratio Lower Upper

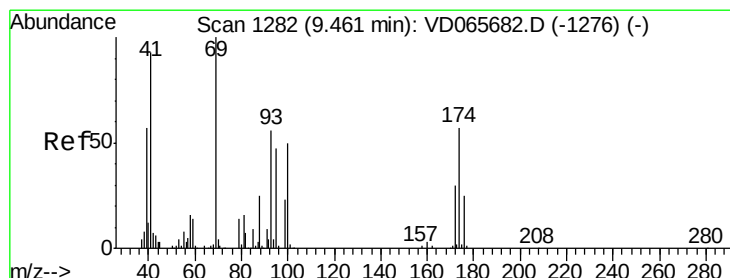
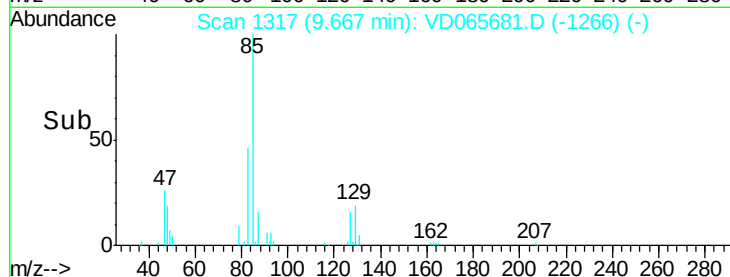
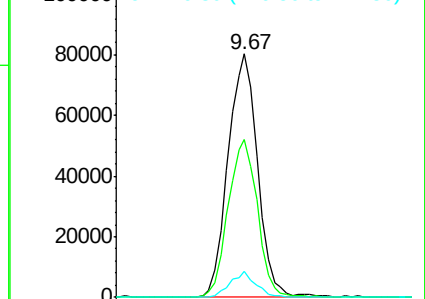
83 100

85 64.8 51.1 76.7

127 10.5 7.3 10.9



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



#48

Methyl methacrylate

Concen: 18.982 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

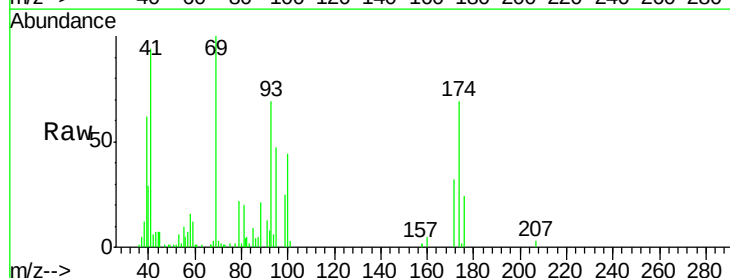
Tgt Ion: 41 Resp: 32738

Ion Ratio Lower Upper

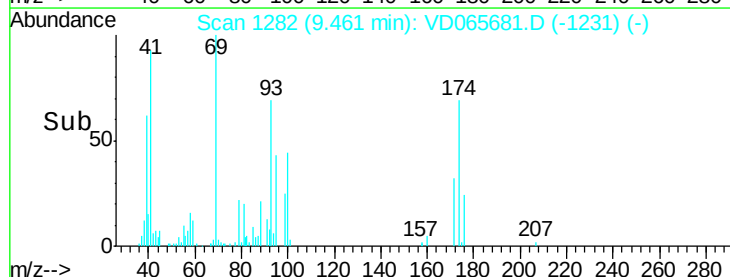
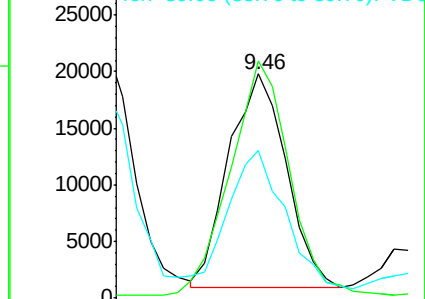
41 100

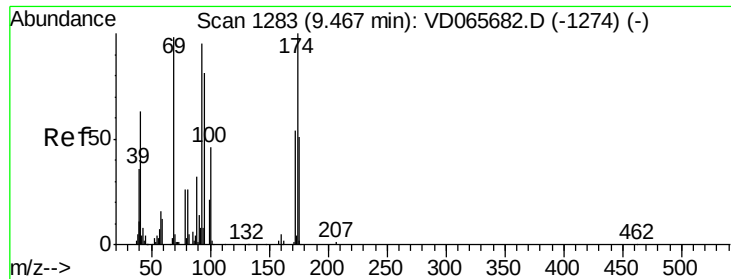
69 117.2 92.3 138.5

39 73.8 53.4 80.0



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

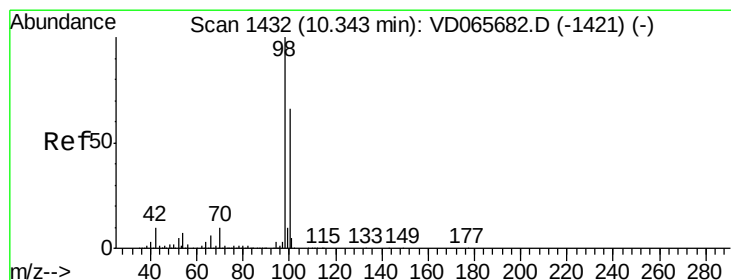
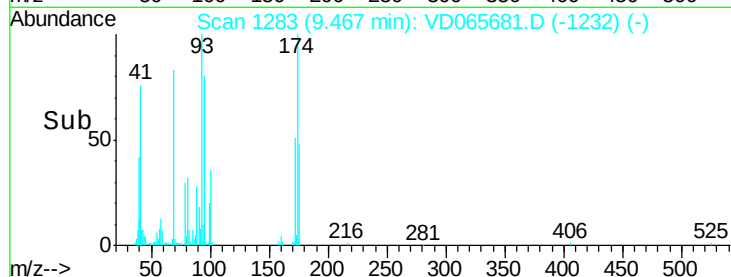
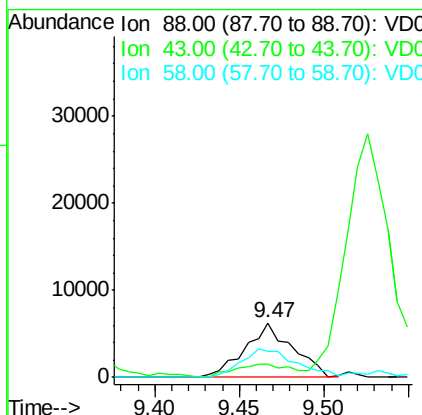
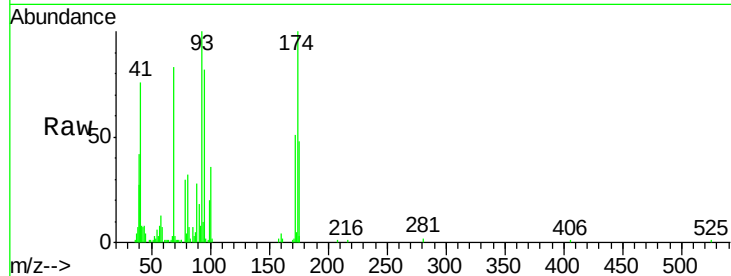




#49
1,4-Dioxane
Concen: 388.319 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

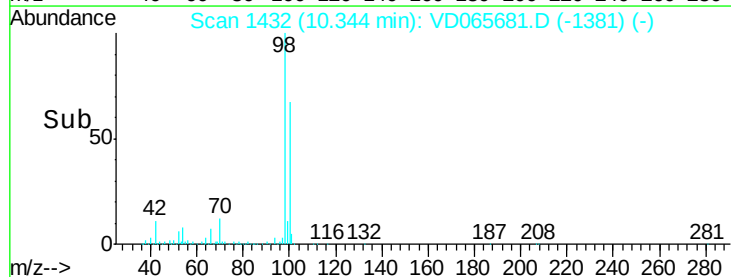
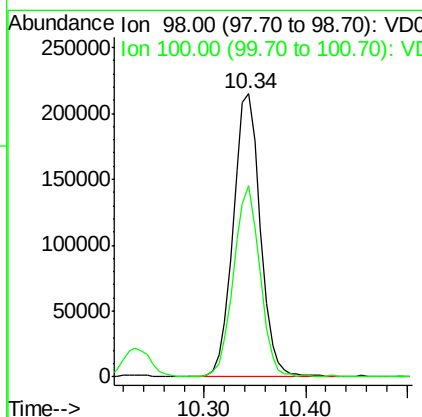
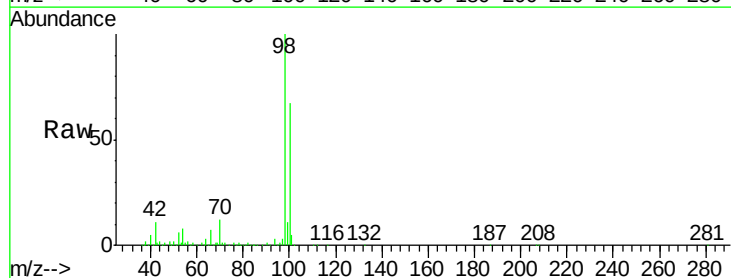
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

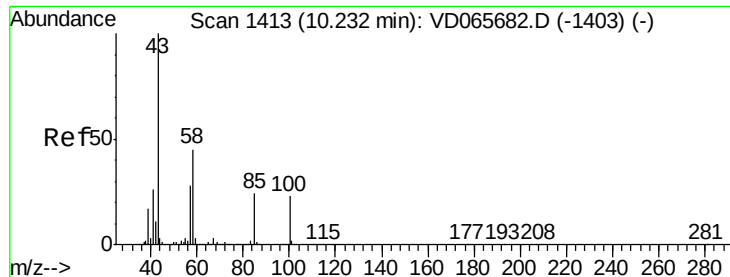
Tot Ion: 88 Resp: 12232
Ion Ratio Lower Upper
88 100
43 30.0 22.2 33.4
58 59.6 45.3 67.9



#50
Toluene-d8
Concen: 19.317 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 98 Resp: 399683
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 96.304 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleID :

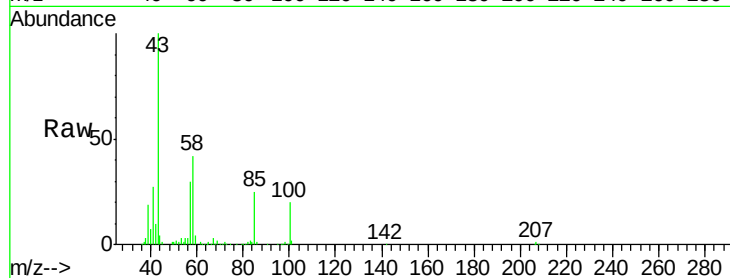
VSTDIC020

Tot Ion: 43 Resp: 192249

Ion Ratio Lower Upper

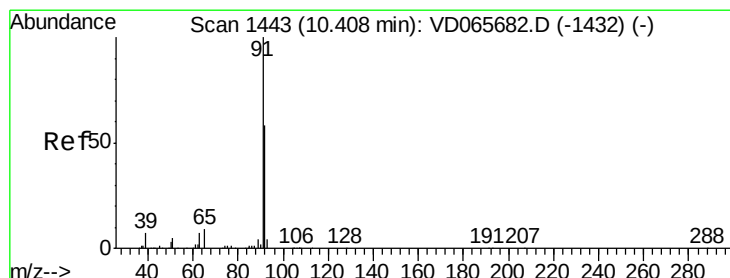
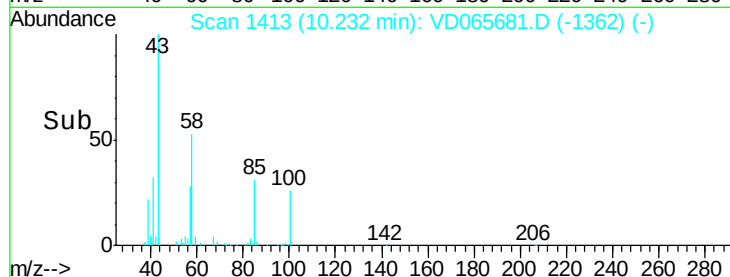
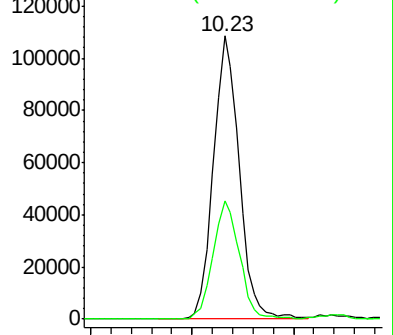
43 100

58 42.9 36.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.345 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065681.D

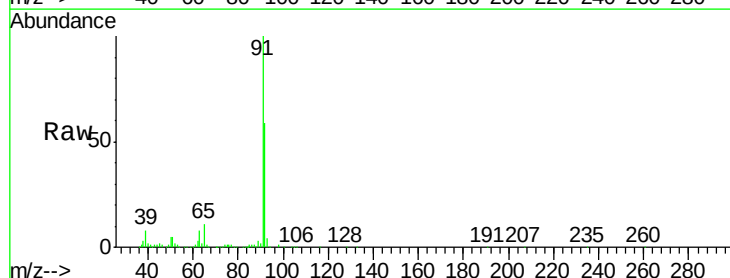
Acq: 29 Apr 2020 14:31

Tgt Ion: 92 Resp: 293210

Ion Ratio Lower Upper

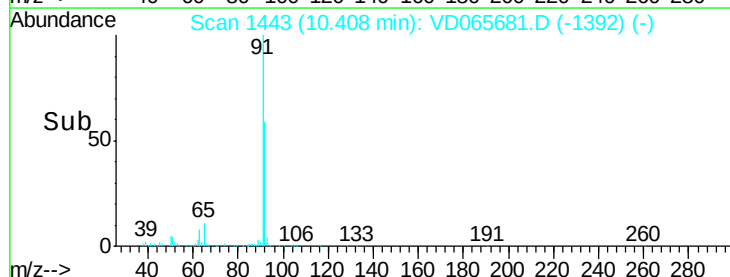
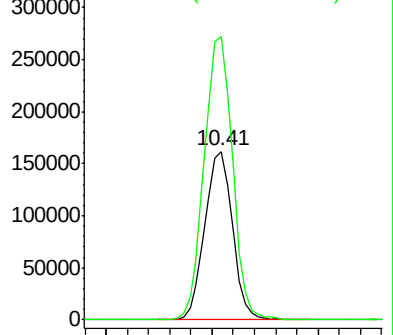
92 100

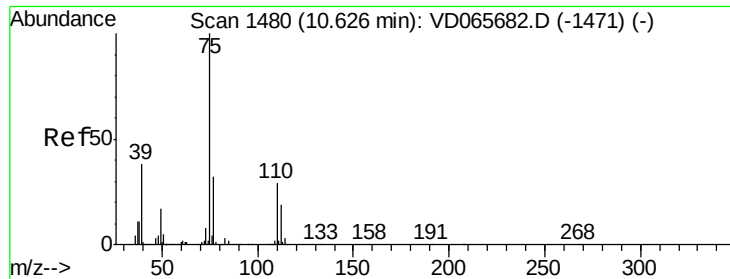
91 172.3 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.632 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

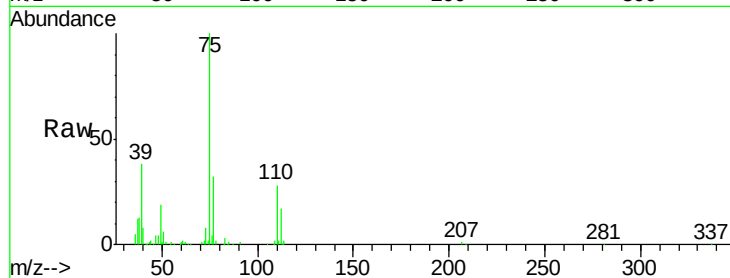
VSTDIC020

Tot Ion: 75 Resp: 129459

Ion Ratio Lower Upper

75 100

77 31.3 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

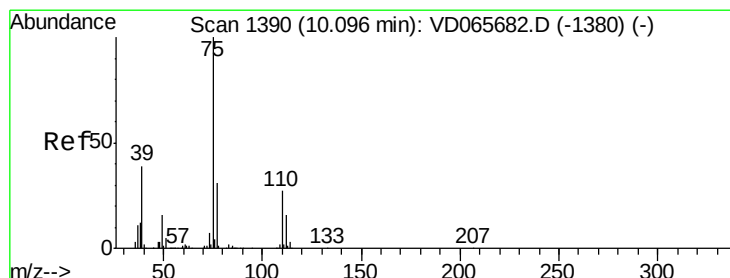
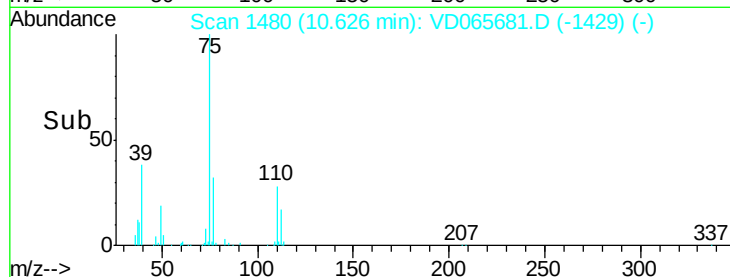
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.777 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

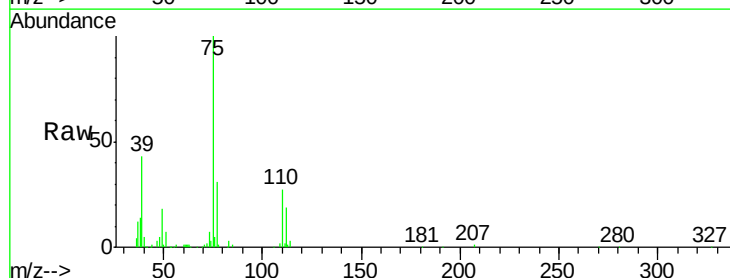
Tgt Ion: 75 Resp: 155924

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 42.8 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

100000

80000

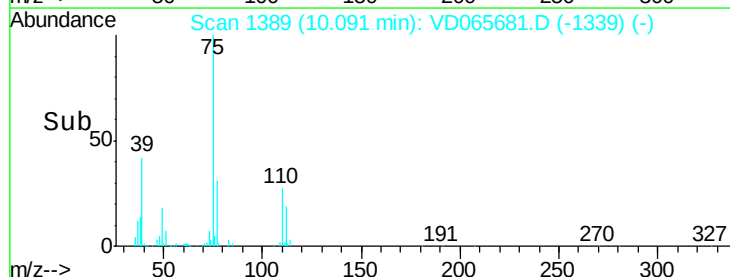
60000

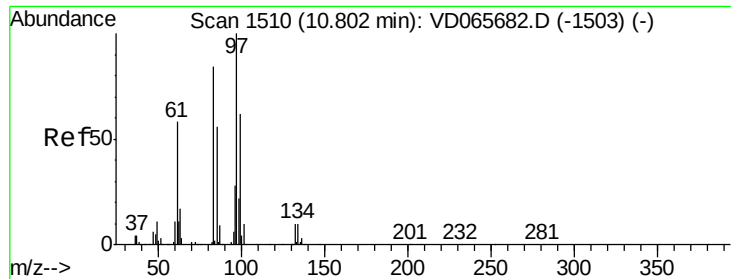
40000

20000

0

Time-->

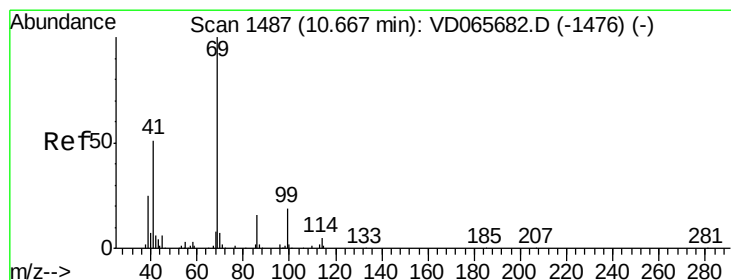
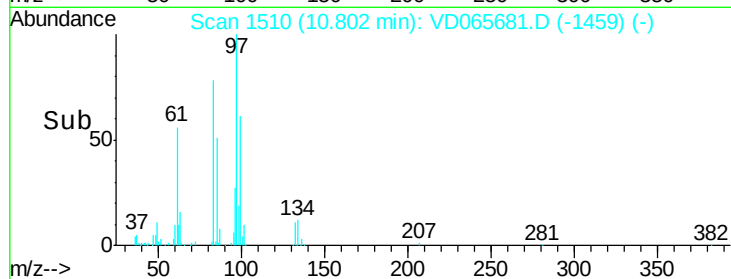
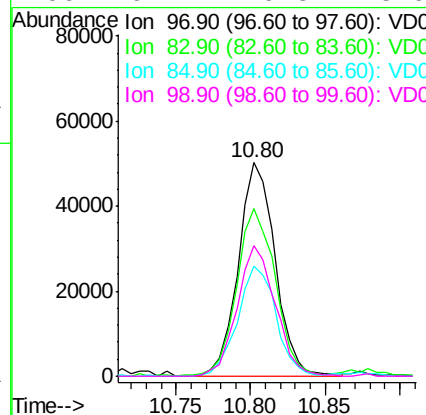
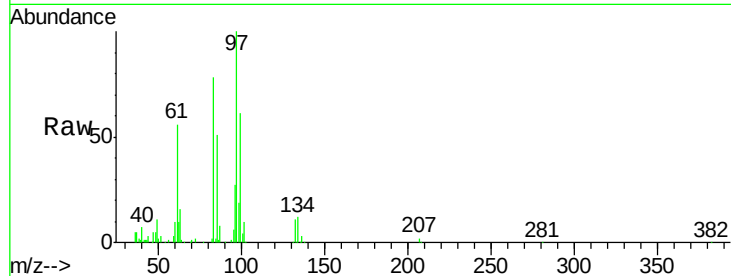




#55
 1,1,2-Trichloroethane
 Concen: 19.293 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

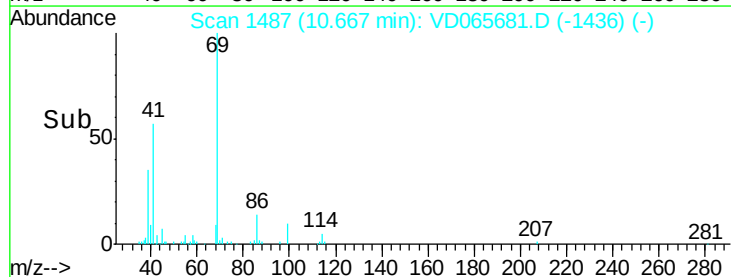
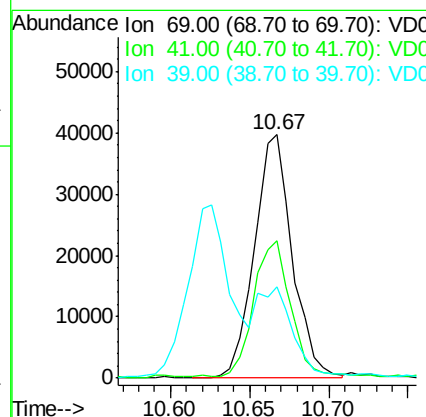
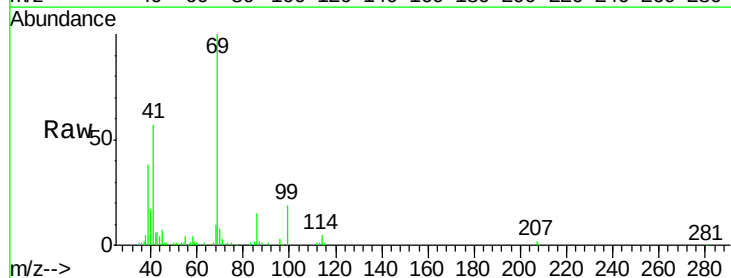
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

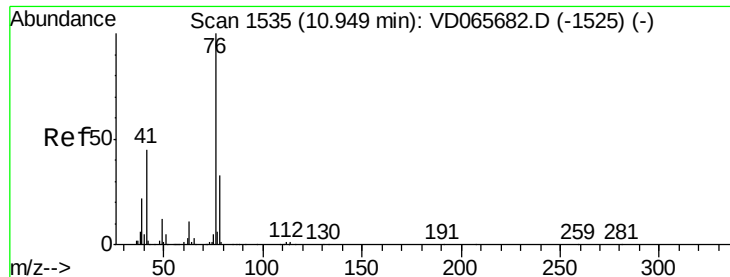
Tot Ion:	97	Resp:	86433
Ion	Ratio	Lower	Upper
97	100		
83	78.0	66.8	100.2
85	51.4	44.4	66.6
99	61.2	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 19.439 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion:	69	Resp:	66127
Ion	Ratio	Lower	Upper
69	100		
41	54.4	40.9	61.3
39	33.8	25.8	38.8





#57

1,3-Dichloropropane

Concen: 19.997 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

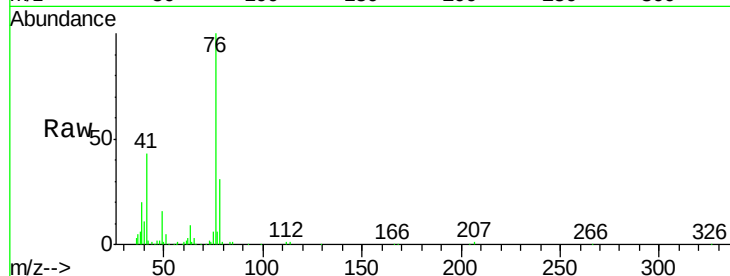
VSTDIC020

Tot Ion: 76 Resp: 134385

Ion Ratio Lower Upper

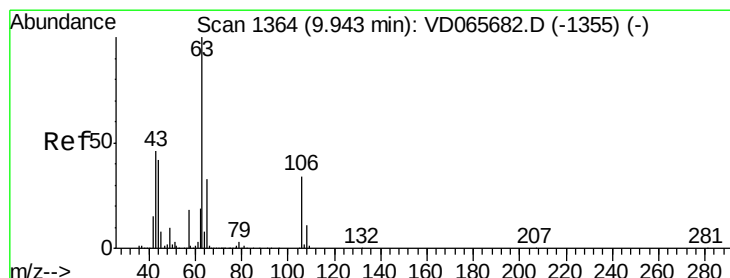
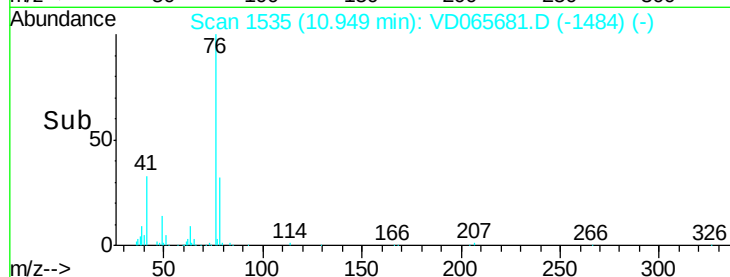
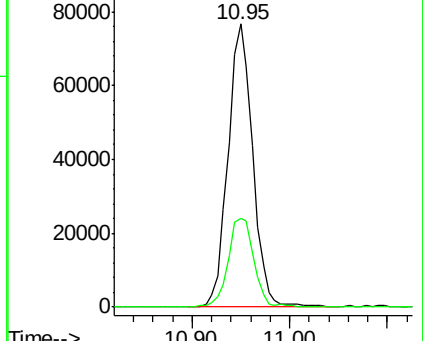
76 100

78 32.6 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.666 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065681.D

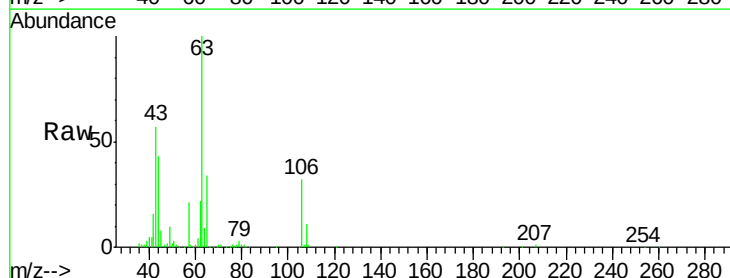
Acq: 29 Apr 2020 14:31

Tgt Ion: 63 Resp: 171486

Ion Ratio Lower Upper

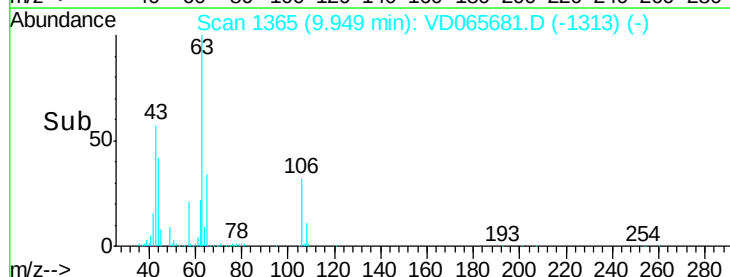
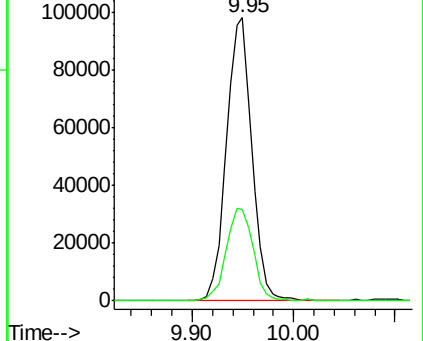
63 100

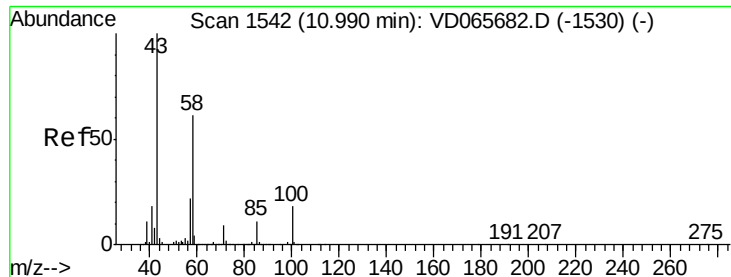
106 34.6 27.8 41.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

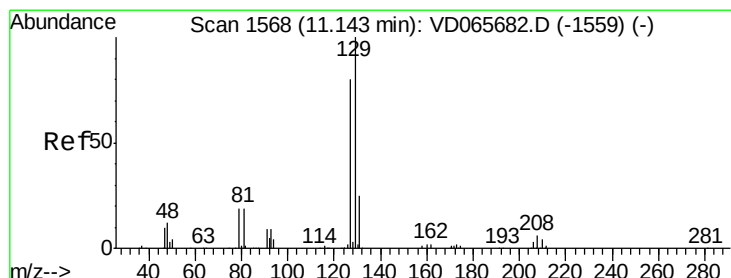
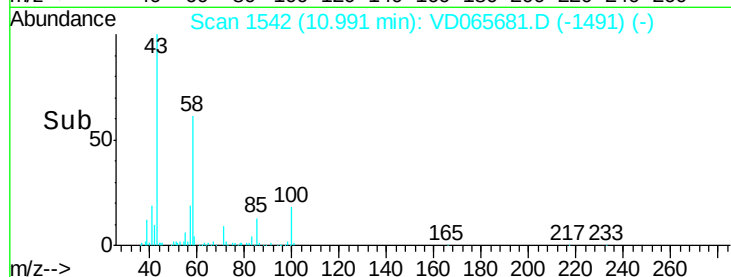
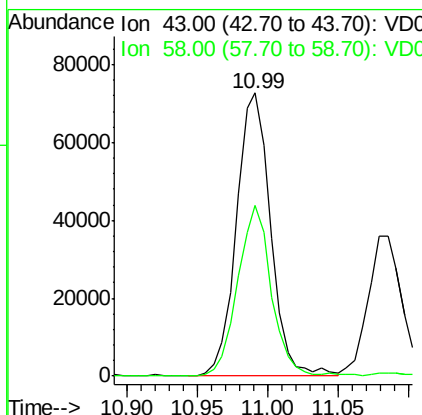
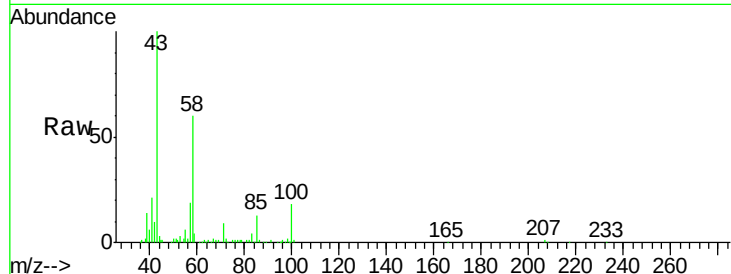




#59
2-Hexanone
Concen: 97.056 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

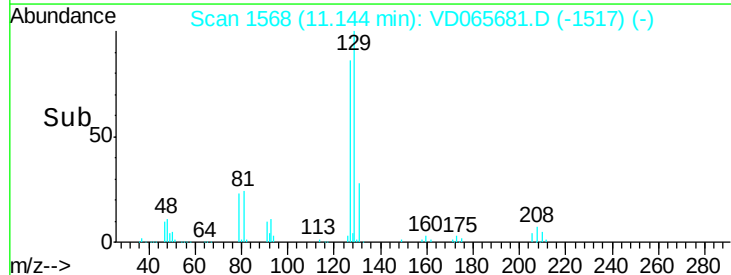
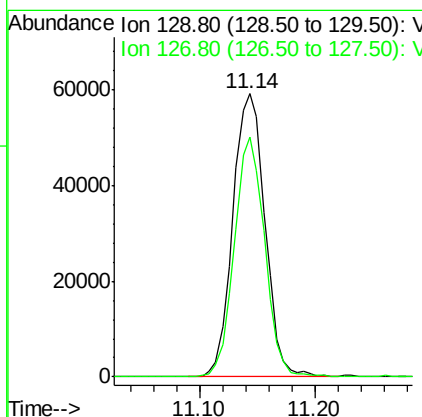
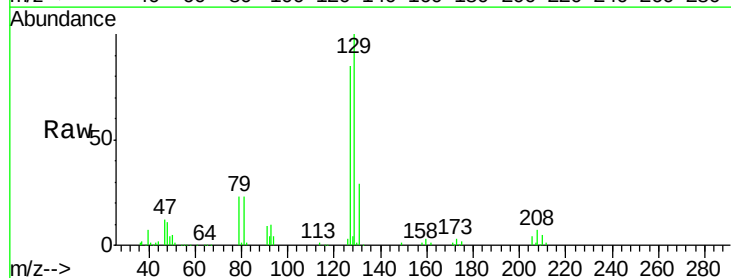
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

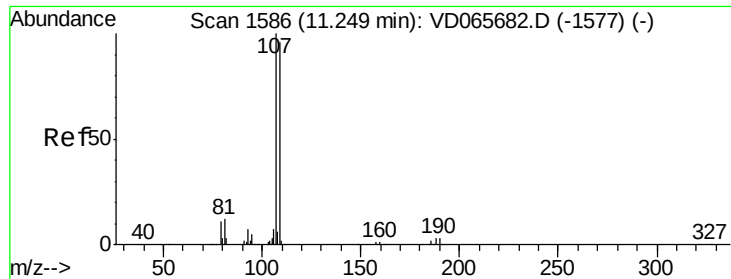
Tot Ion: 43 Resp: 123036
Ion Ratio Lower Upper
43 100
58 59.2 31.5 94.5



#60
Dibromochloromethane
Concen: 19.074 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 129 Resp: 113736
Ion Ratio Lower Upper
129 100
127 80.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.024 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

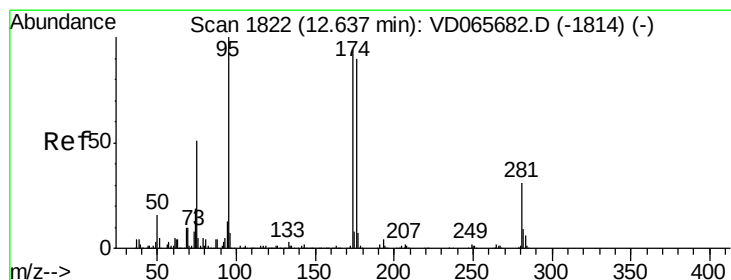
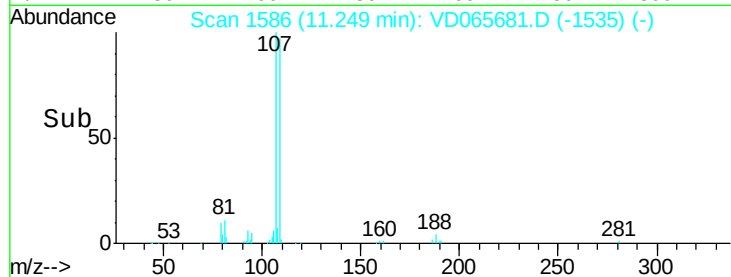
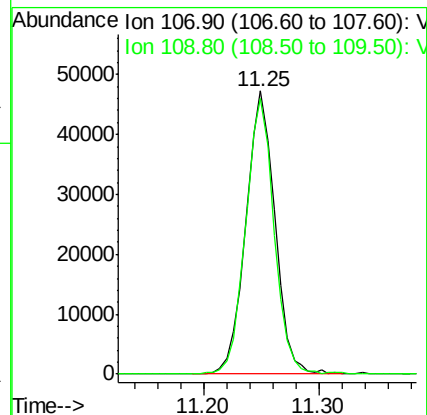
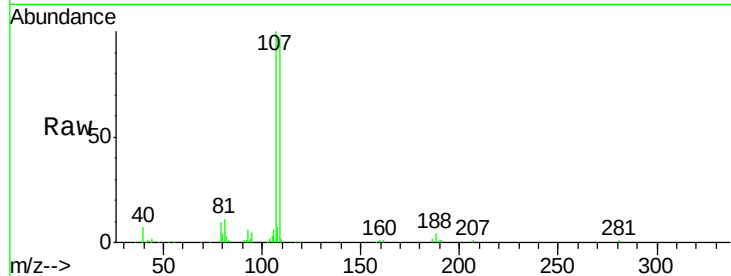
VSTDIC020

Tot Ion:107 Resp: 82630

Ion Ratio Lower Upper

107 100

109 95.1 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 19.057 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

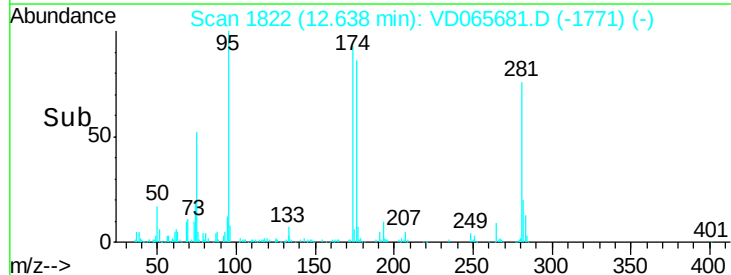
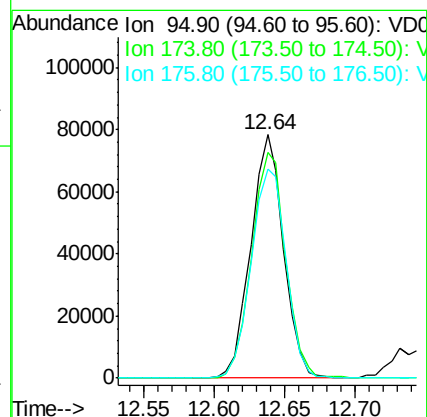
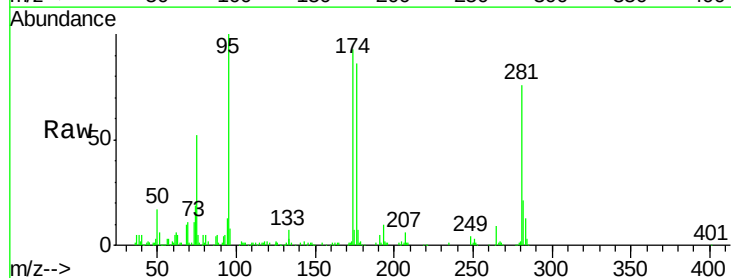
Tgt Ion: 95 Resp: 127505

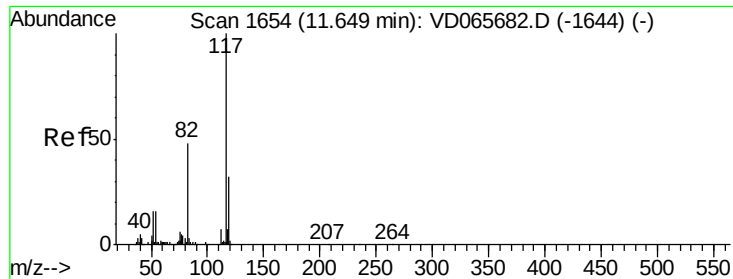
Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

176 91.9 0.0 181.4

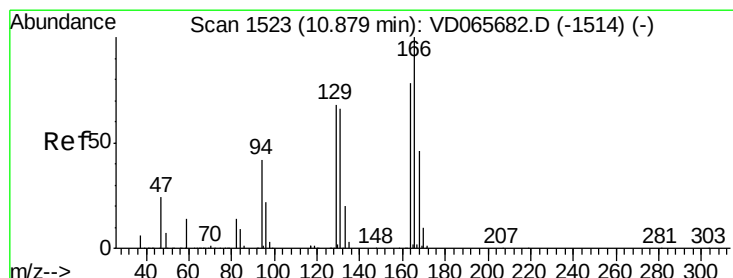
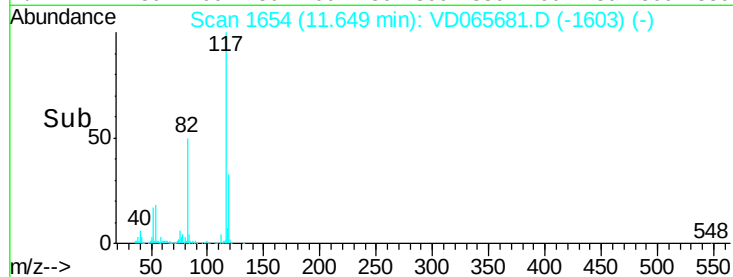
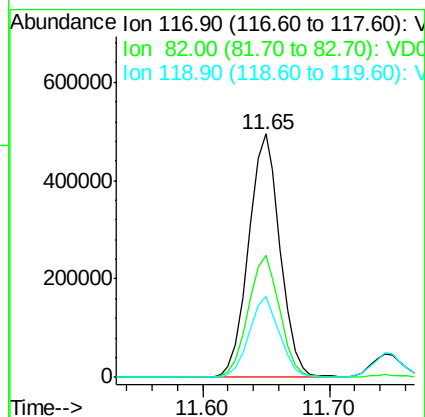
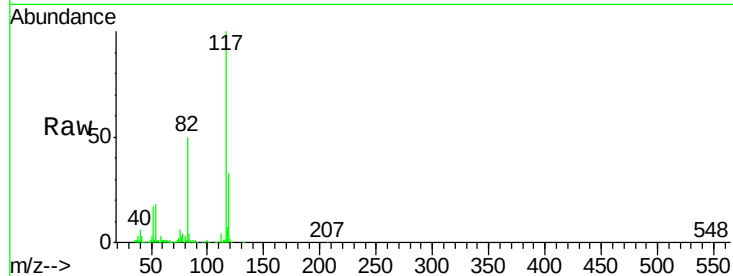




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

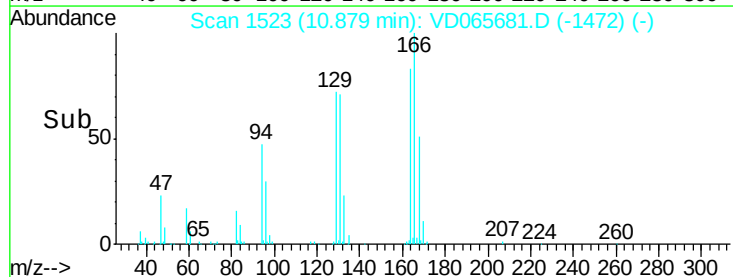
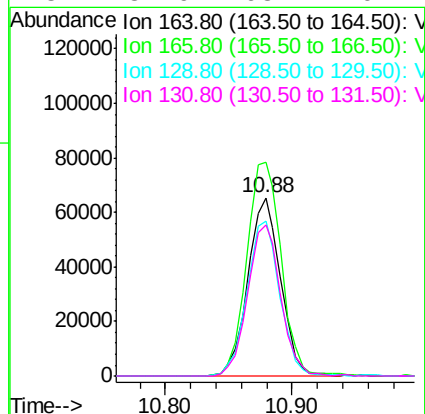
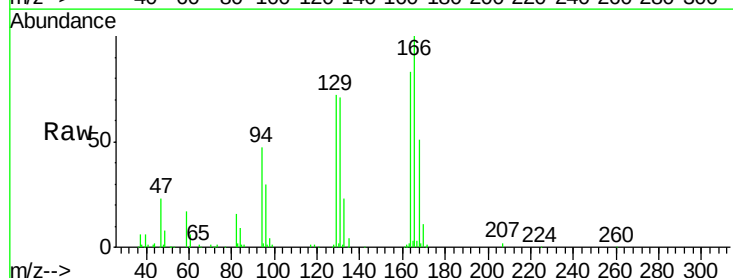
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

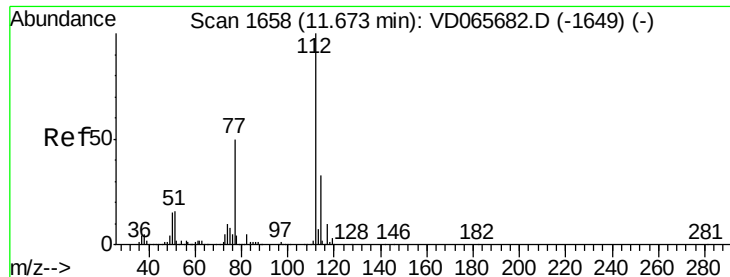
Tot Ion:117 Resp: 853676
Ion Ratio Lower Upper
117 100
82 50.0 38.6 58.0
119 33.5 25.6 38.4



#64
Tetrachloroethene
Concen: 19.747 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion:164 Resp: 117027
Ion Ratio Lower Upper
164 100
166 119.8 102.7 154.1
129 86.7 69.9 104.9
131 84.9 68.1 102.1





#65

Chlorobenzene

Concen: 19.499 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

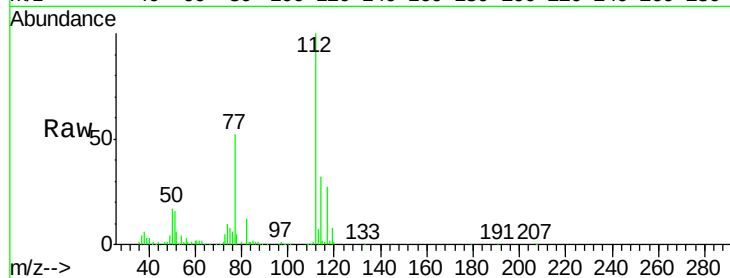
VSTDIC020

Tot Ion:112 Resp: 330943

Ion Ratio Lower Upper

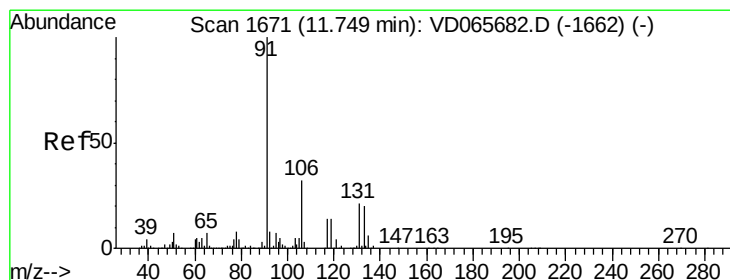
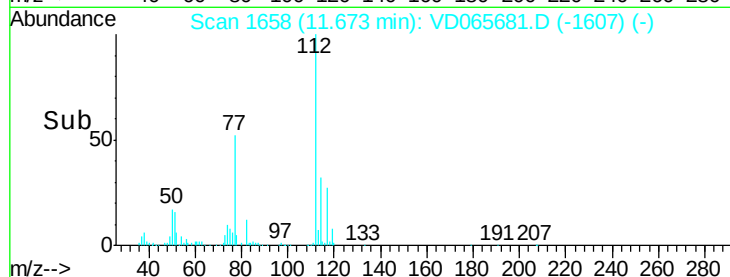
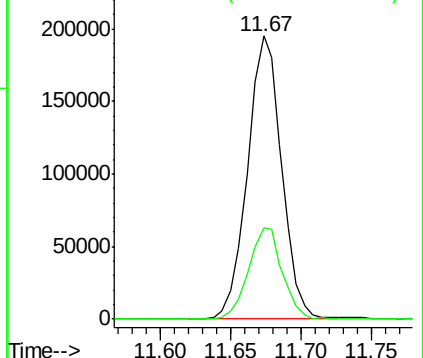
112 100

114 32.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.390 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

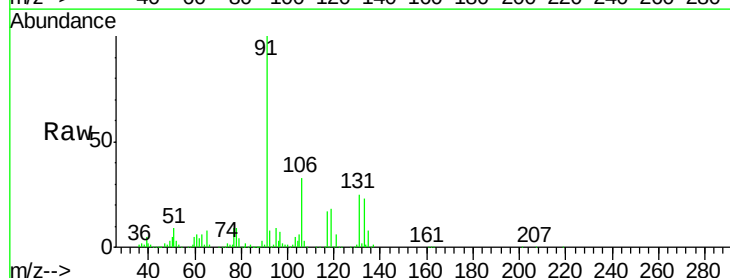
Tgt Ion:131 Resp: 124254

Ion Ratio Lower Upper

131 100

133 99.7 47.9 143.8

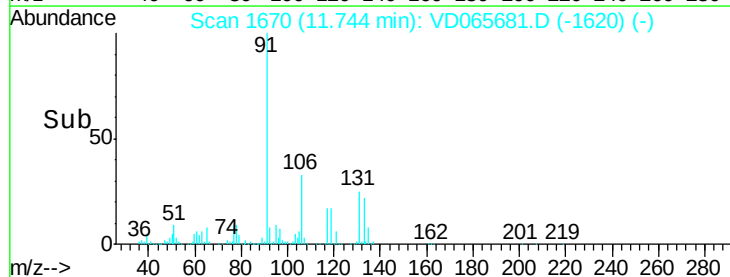
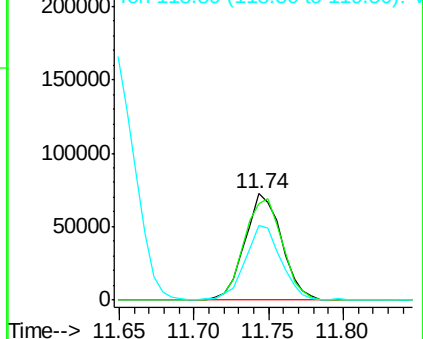
119 67.8 32.1 96.5

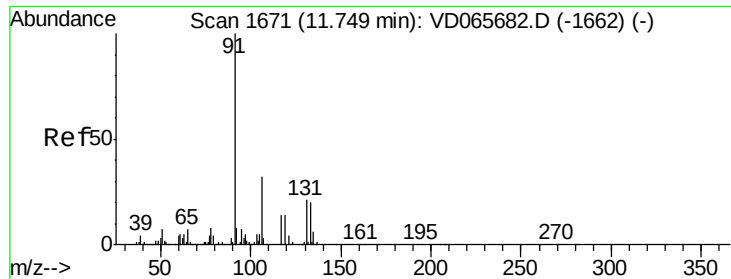


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.045 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

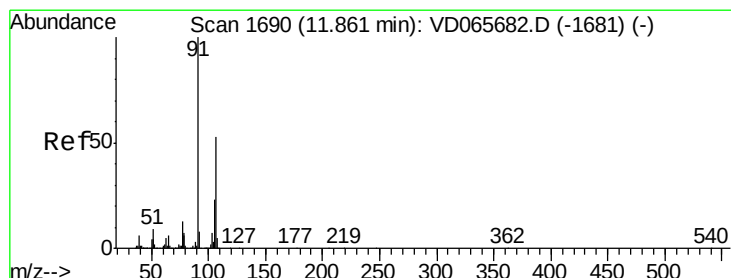
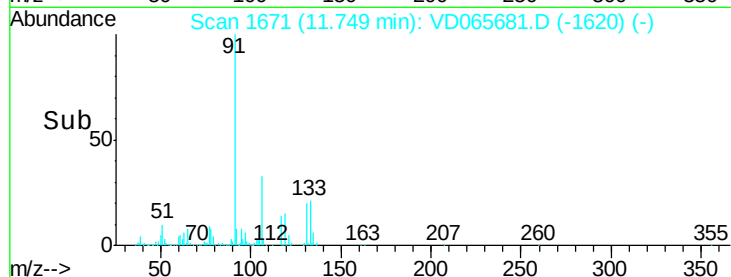
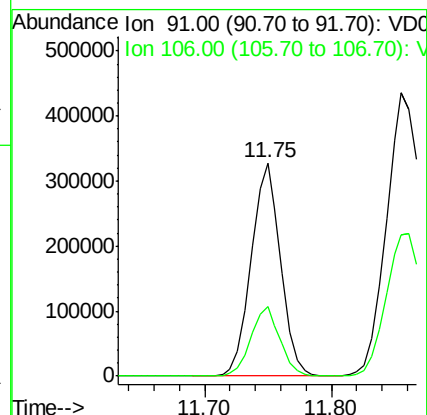
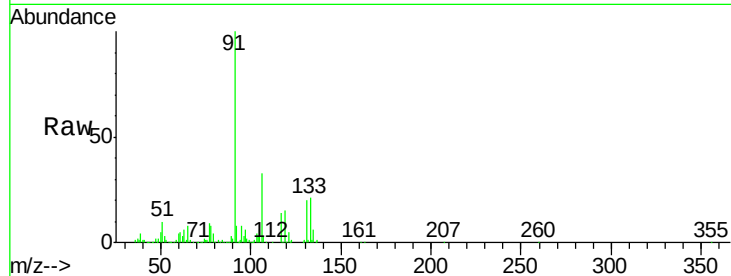
VSTDIC020

Tot Ion: 91 Resp: 528665

Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.8



#68

m/p-Xylenes

Concen: 41.294 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065681.D

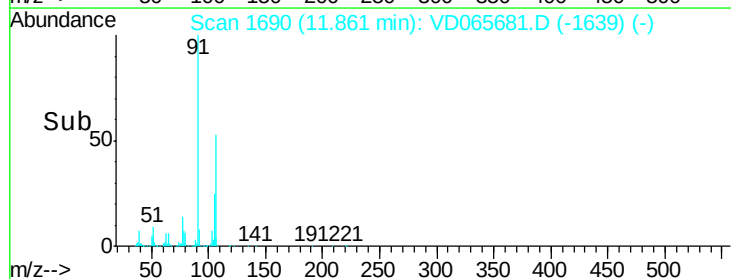
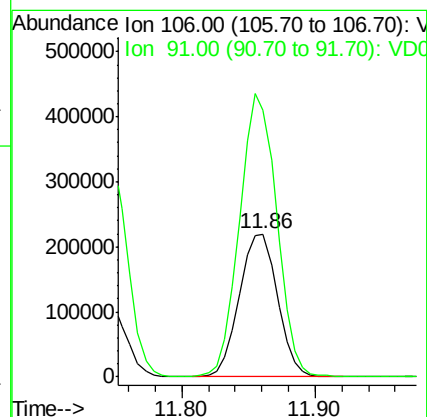
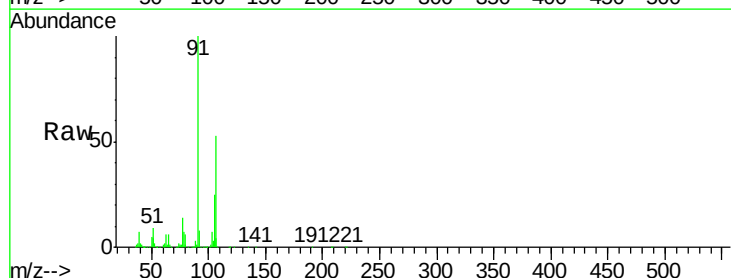
Acq: 29 Apr 2020 14:31

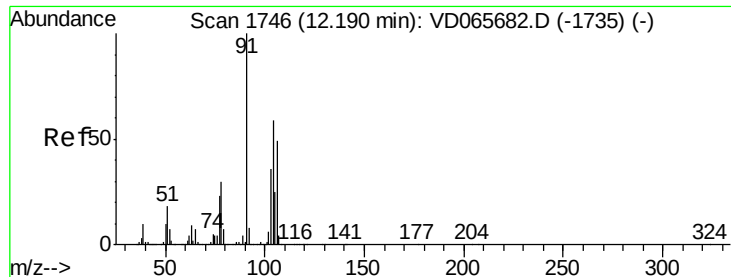
Tgt Ion: 106 Resp: 435540

Ion Ratio Lower Upper

106 100

91 193.3 154.5 231.7

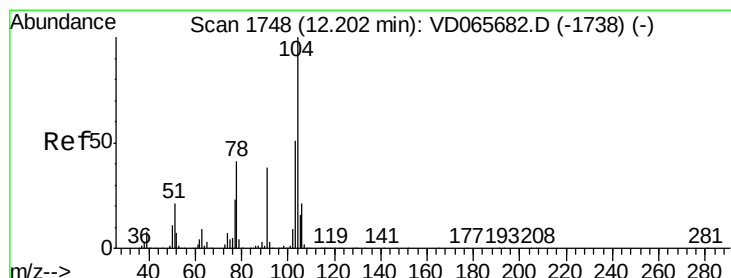
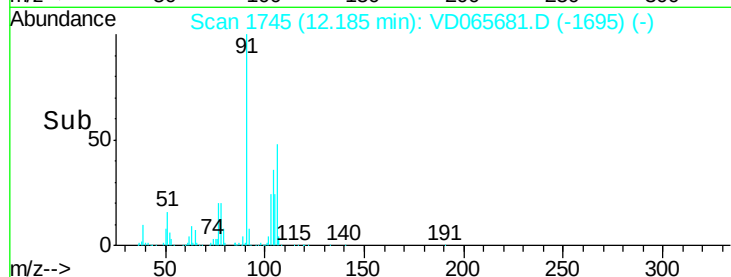
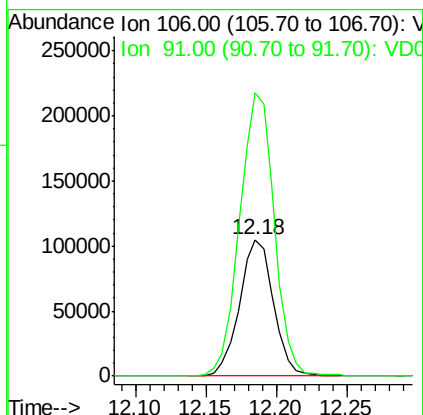
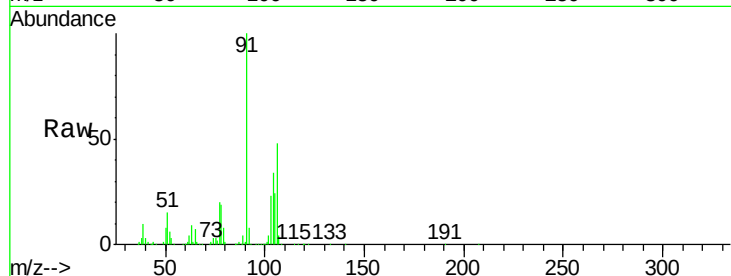




#69
o-Xylene
Concen: 19.879 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

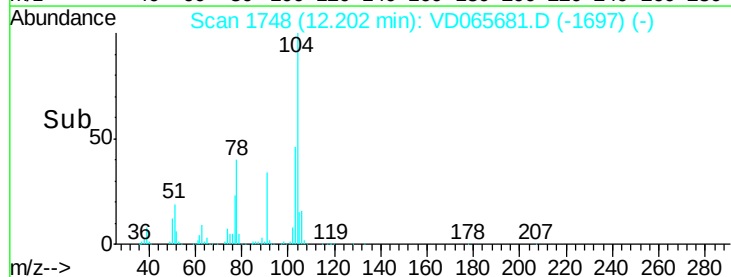
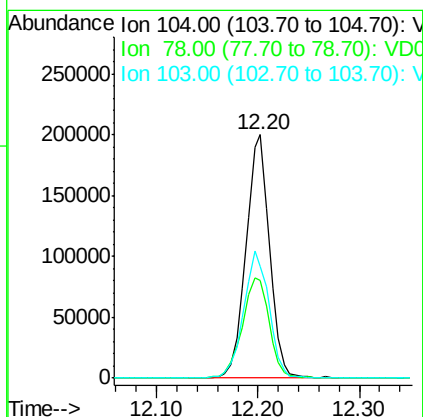
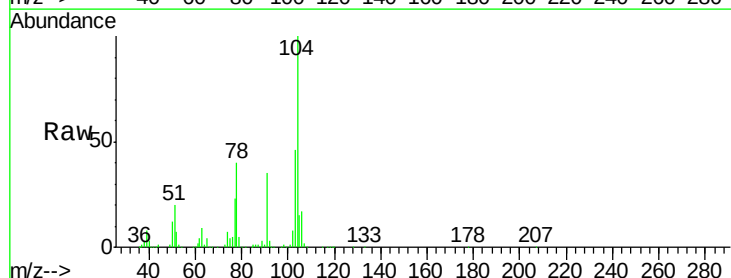
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

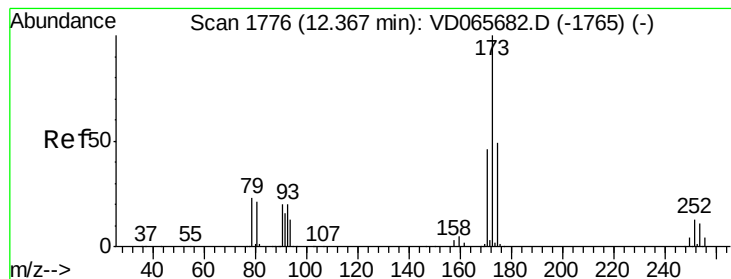
Tot Ion:106 Resp: 176544
Ion Ratio Lower Upper
106 100
91 211.9 102.4 307.2



#70
Styrene
Concen: 20.446 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion:104 Resp: 323436
Ion Ratio Lower Upper
104 100
78 47.2 36.5 54.7
103 55.8 43.8 65.8





#71

Bromoform

Concen: 19.378 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

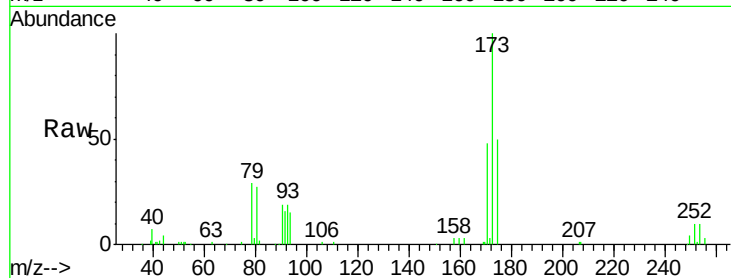
Tot Ion:173 Resp: 69344

Ion Ratio Lower Upper

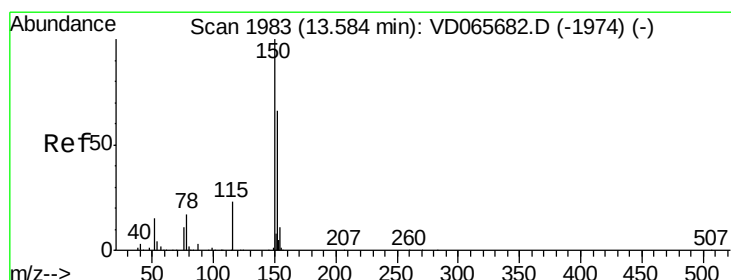
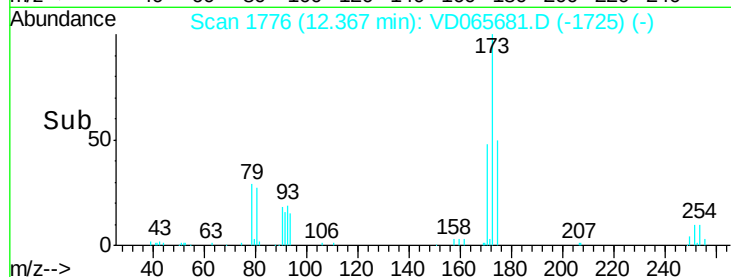
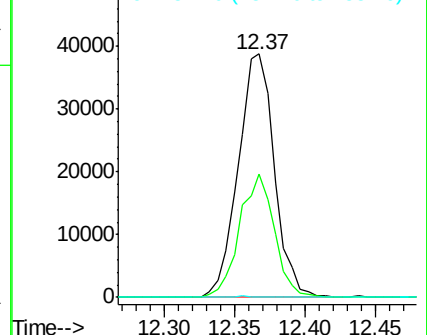
173 100

175 48.5 24.6 74.0

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

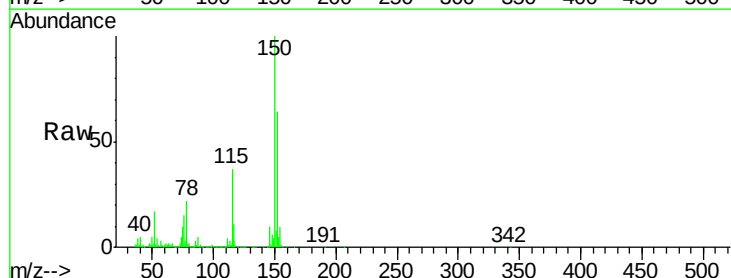
Tgt Ion:152 Resp: 470072

Ion Ratio Lower Upper

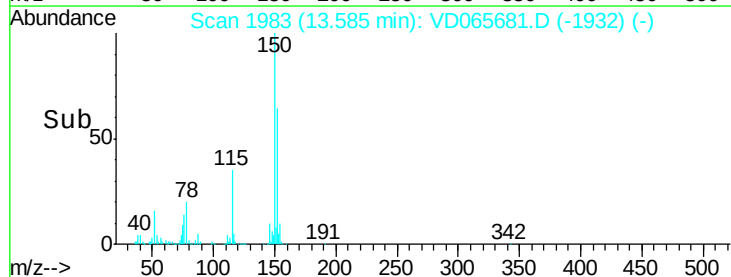
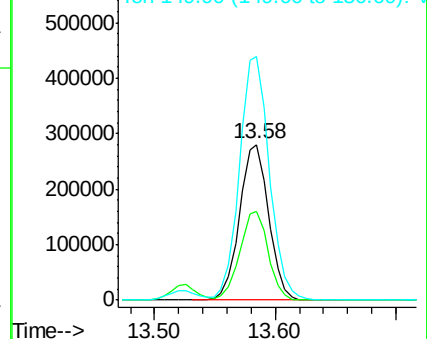
152 100

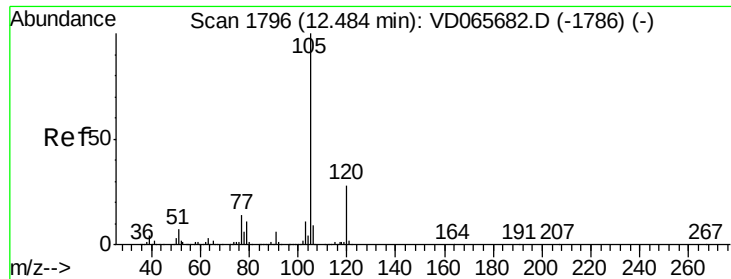
115 55.3 27.5 82.4

150 161.5 0.0 347.0



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: 20.398 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

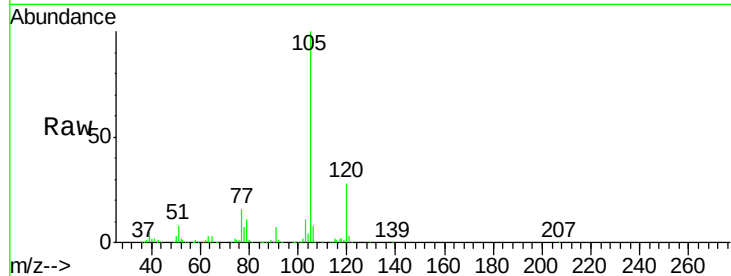
VSTDIC020

Tot Ion:105 Resp: 499154

Ion Ratio Lower Upper

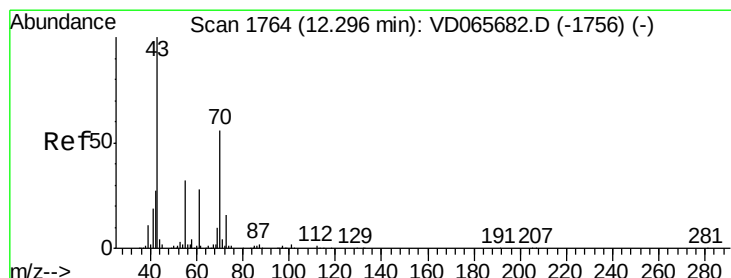
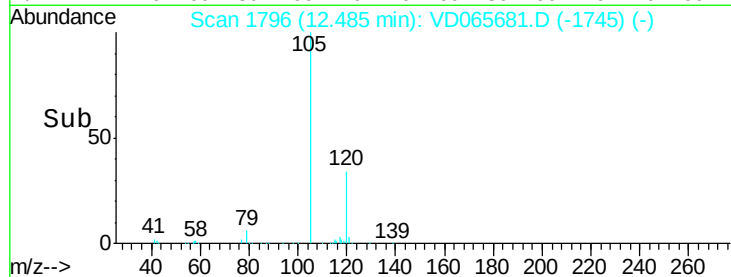
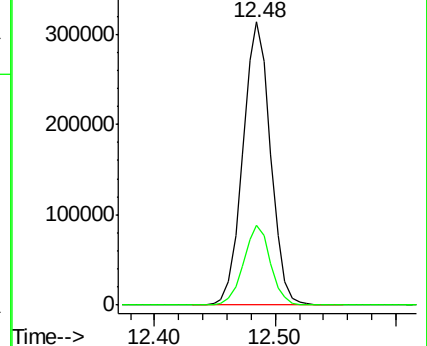
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.121 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Tgt Ion: 43 Resp: 64657

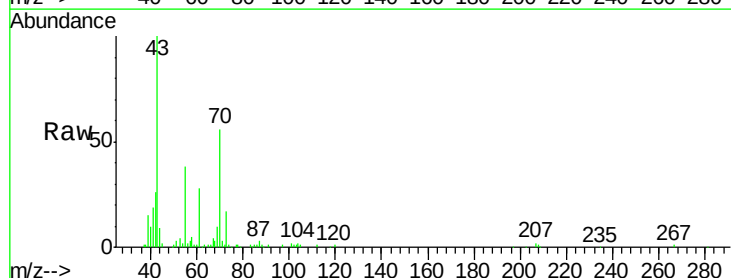
Ion Ratio Lower Upper

43 100

70 54.8 45.5 68.3

55 37.2 26.6 40.0

61 26.4 22.7 34.1

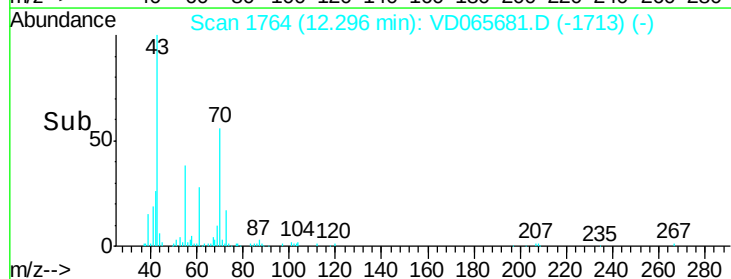
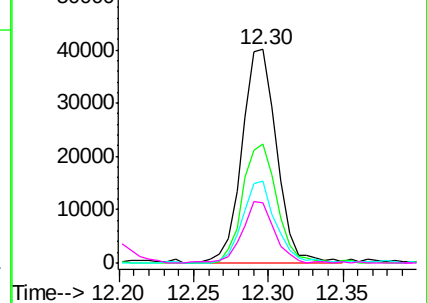


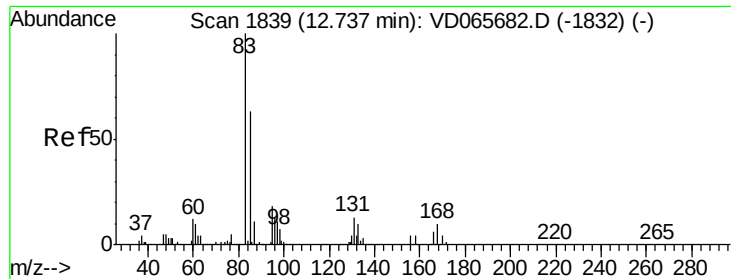
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.365 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

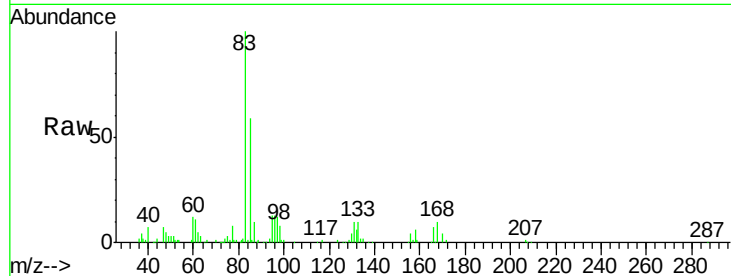
Tot Ion: 83 Resp: 94489

Ion Ratio Lower Upper

83 100

131 10.6 5.9 17.6

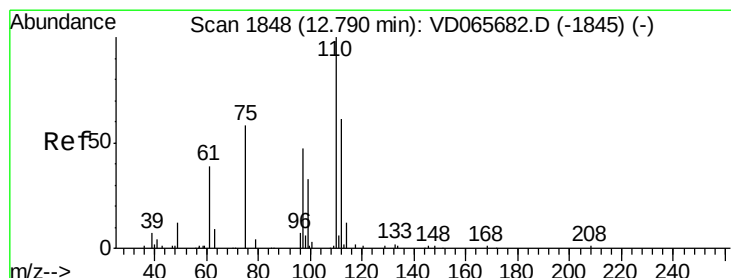
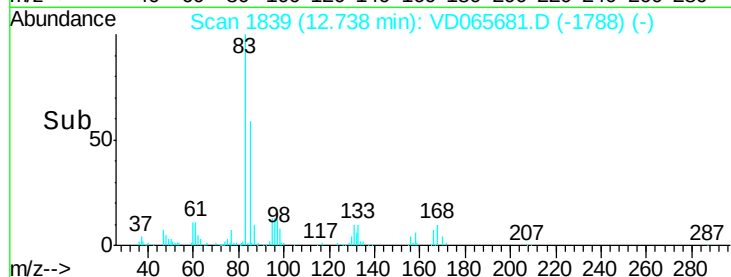
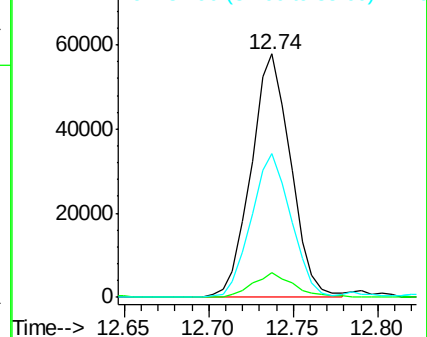
85 59.5 31.5 94.5



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: 12.419 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065681.D

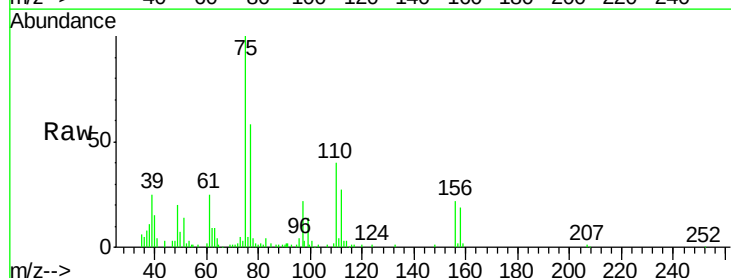
Acq: 29 Apr 2020 14:31

Tgt Ion: 75 Resp: 65906

Ion Ratio Lower Upper

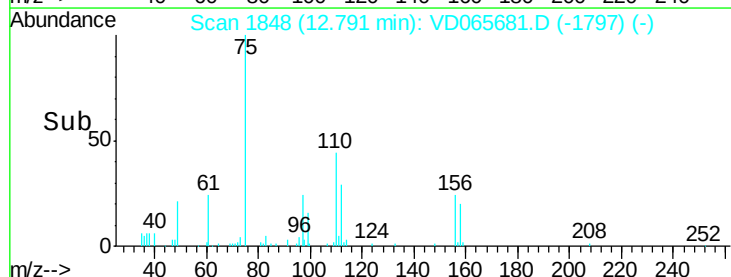
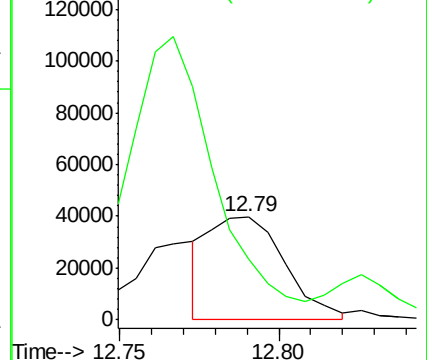
75 100

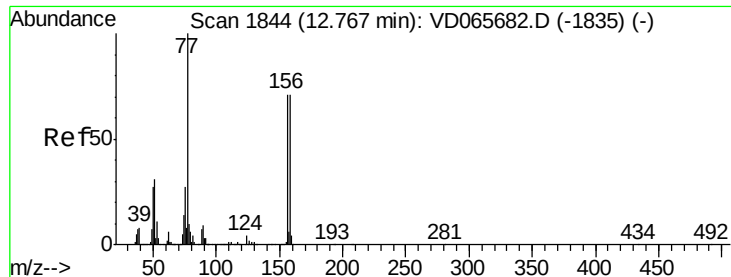
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.645 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

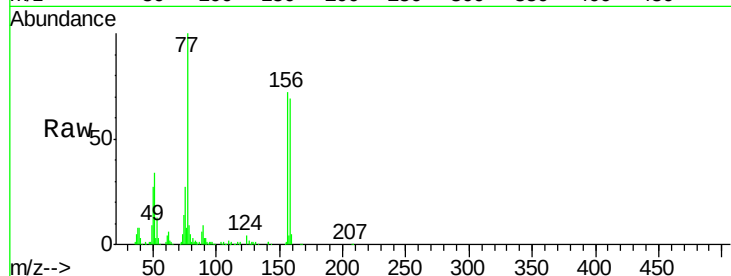
Tot Ion:156 Resp: 134851

Ion Ratio Lower Upper

156 100

77 155.1 75.3 225.9

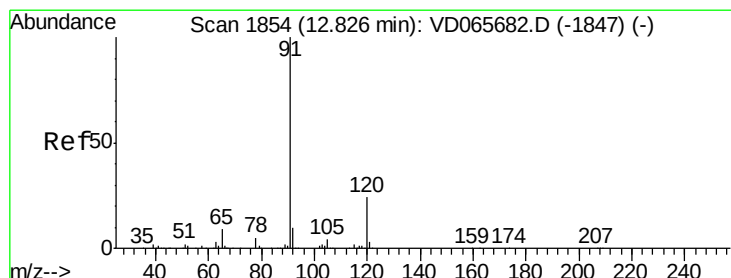
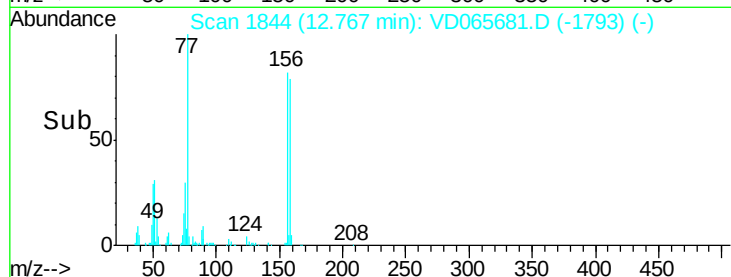
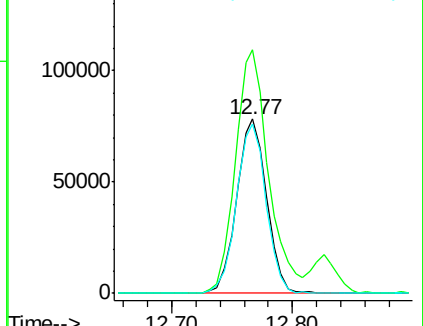
158 96.2 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.363 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065681.D

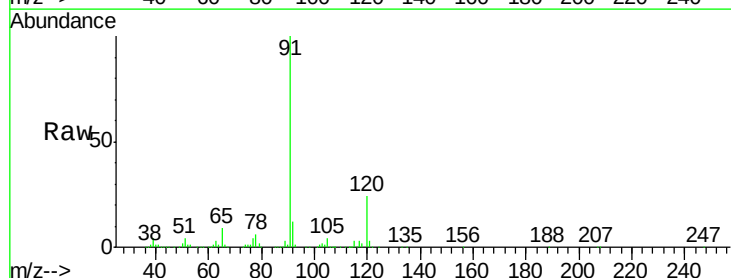
Acq: 29 Apr 2020 14:31

Tgt Ion: 91 Resp: 616180

Ion Ratio Lower Upper

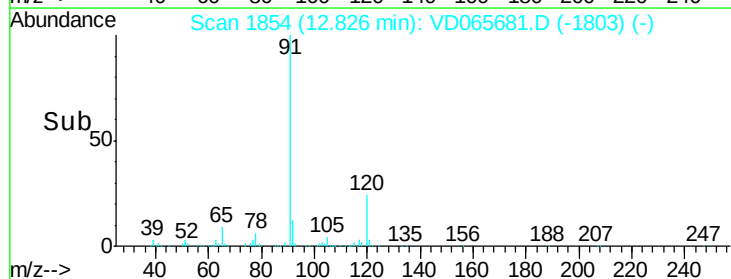
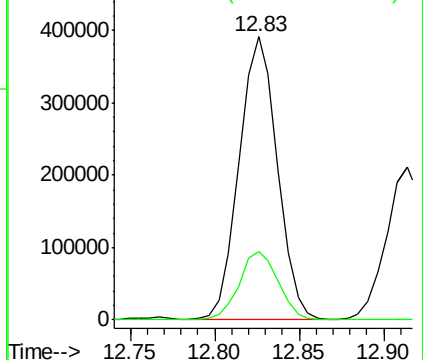
91 100

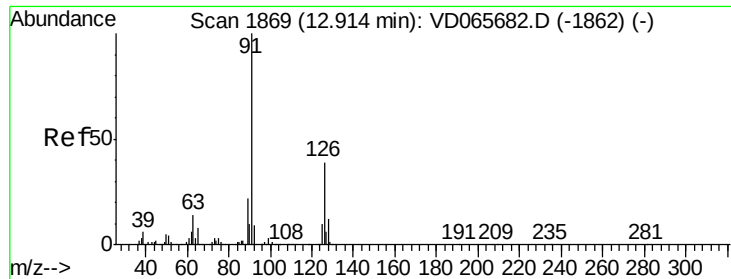
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

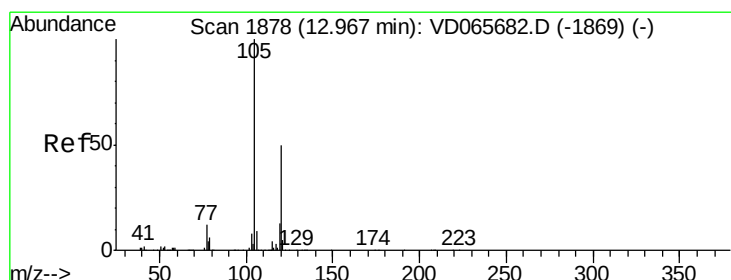
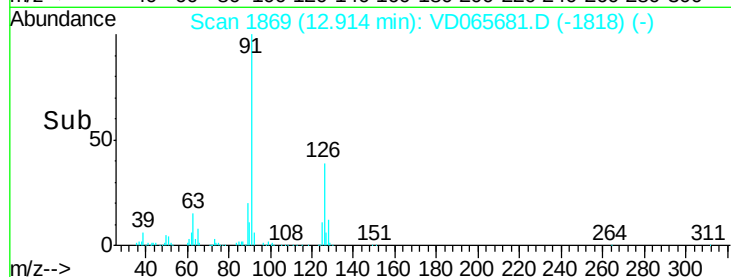
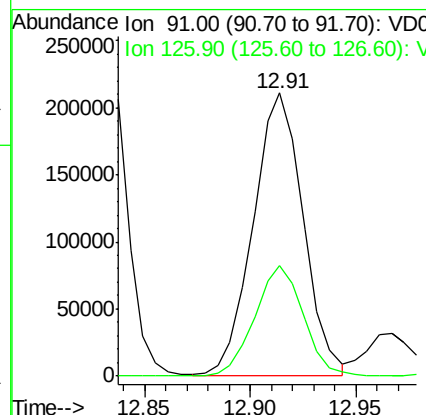
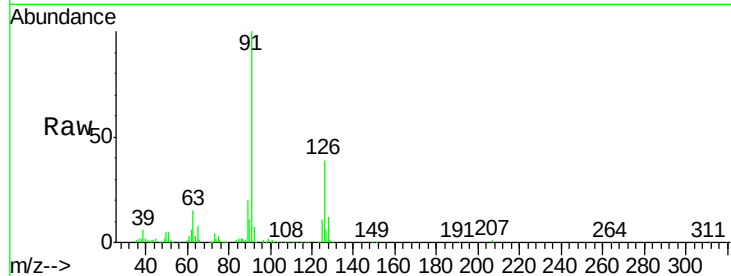




#79
 2-Chlorotoluene
 Concen: 20.240 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

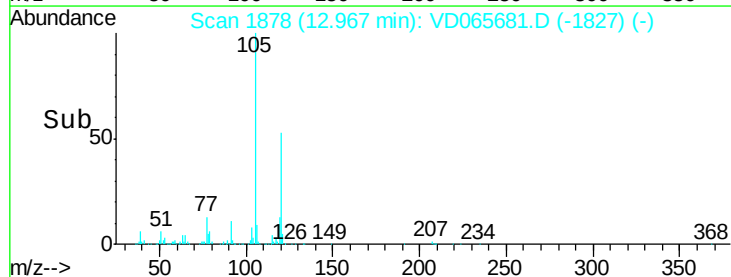
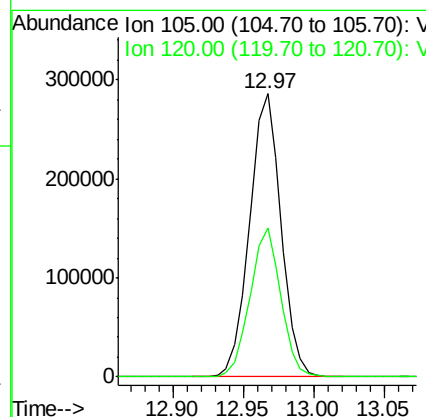
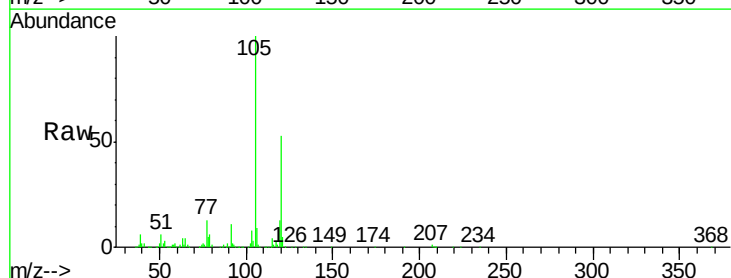
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

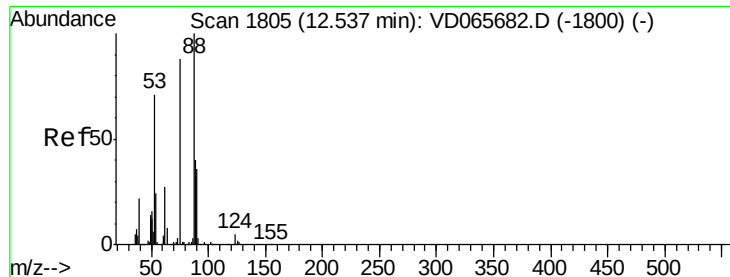
Tot Ion: 91 Resp: 346814
 Ion Ratio Lower Upper
 91 100
 126 38.0 19.3 57.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.921 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion: 105 Resp: 446106
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.463 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

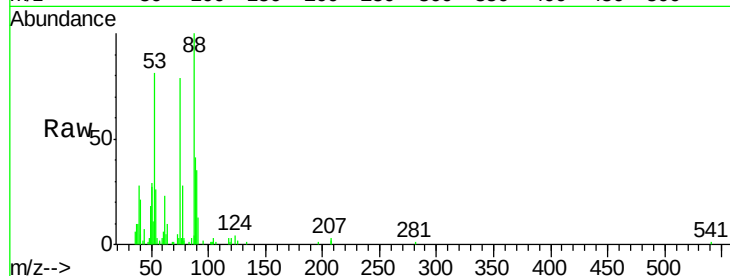
Tot Ion: 75 Resp: 25834

Ion Ratio Lower Upper

75 100

53 93.7 70.5 105.7

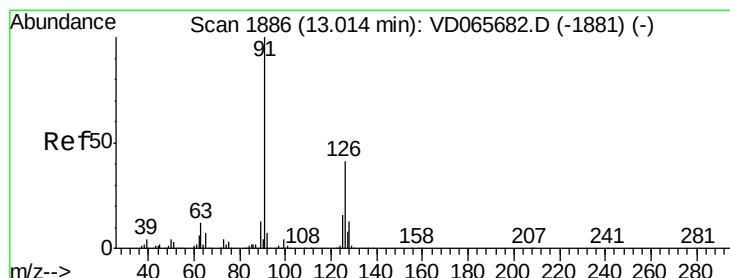
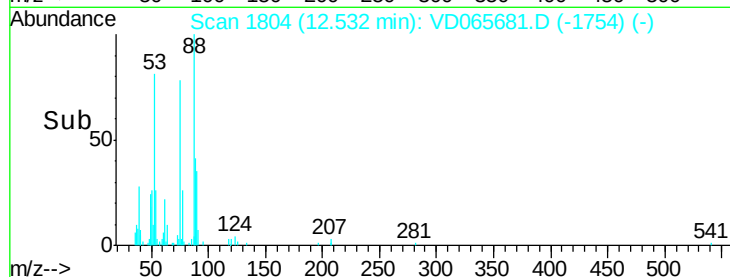
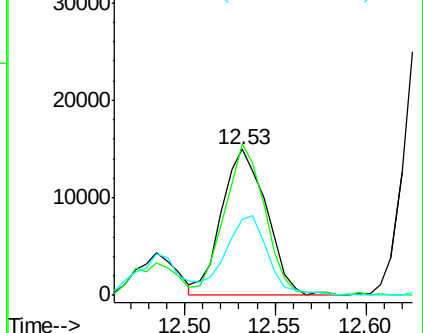
89 51.2 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.112 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065681.D

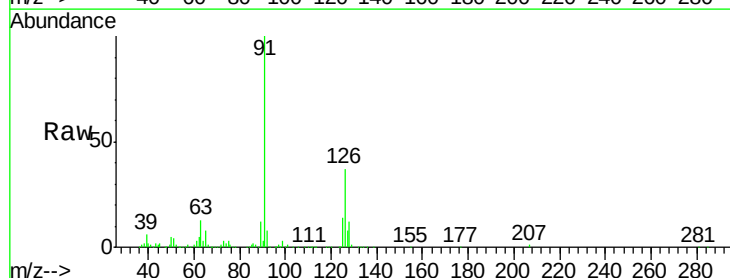
Acq: 29 Apr 2020 14:31

Tgt Ion: 91 Resp: 391598

Ion Ratio Lower Upper

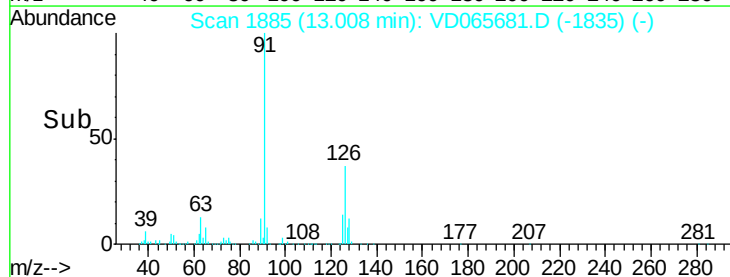
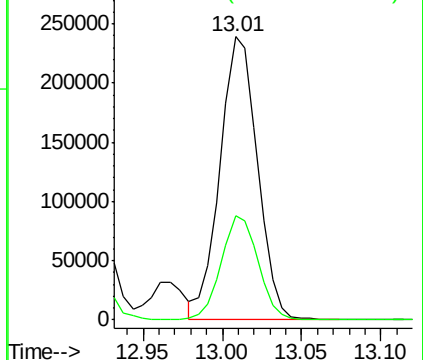
91 100

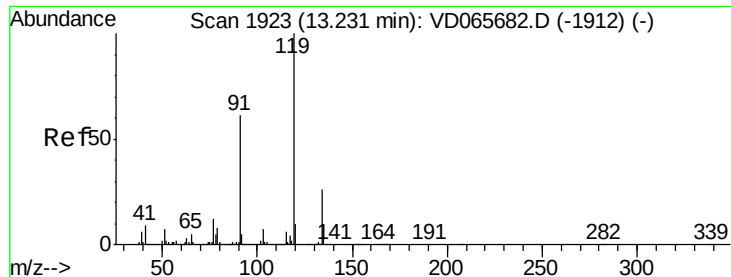
126 36.2 19.3 57.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

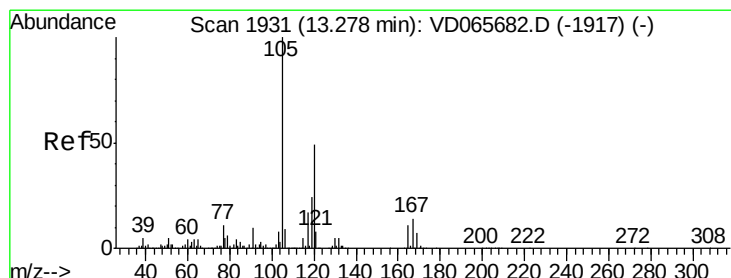
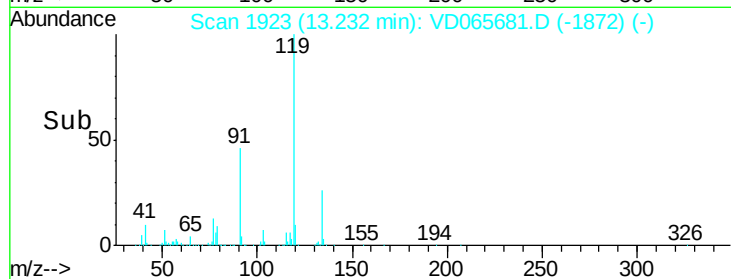
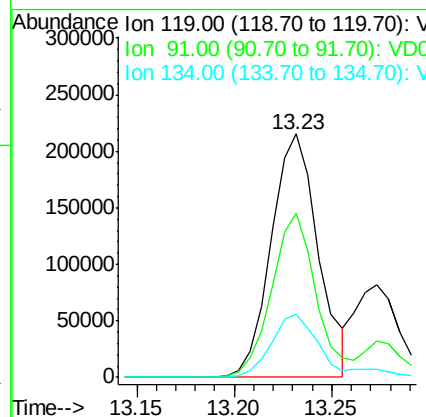
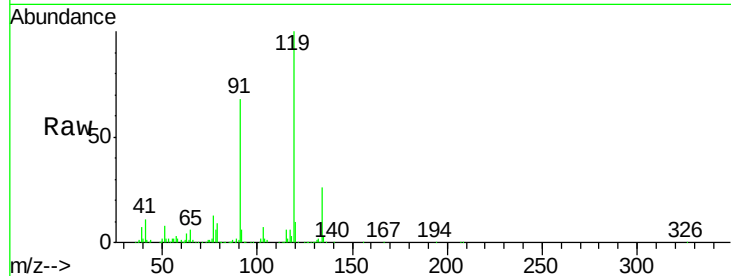




#83
 tert-Butylbenzene
 Concen: 20.451 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

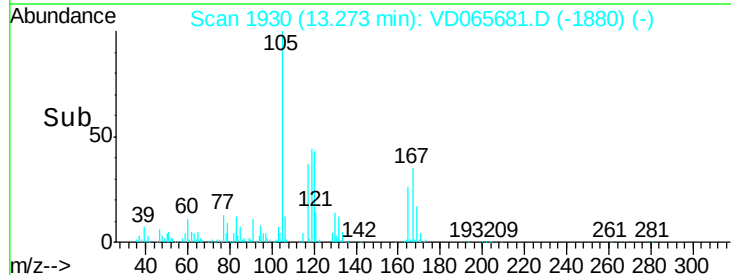
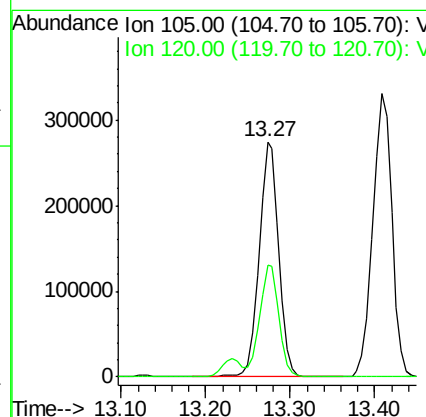
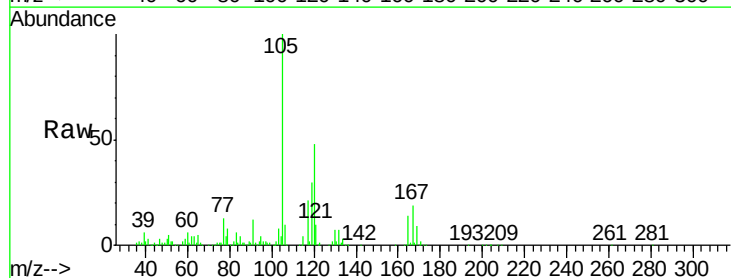
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

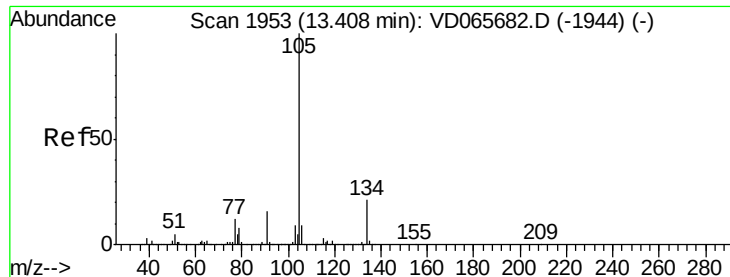
Tot Ion:119	Resp:	360019
Ion	Ratio	Lower Upper
119	100	
91	64.2	30.6 91.8
134	25.4	14.3 42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.228 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion:105	Resp:	447354
Ion	Ratio	Lower Upper
105	100	
120	46.3	24.0 72.0





#85

sec-Butylbenzene

Concen: 20.168 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

Instrument :

MSVOA_D

ClientSampleId :

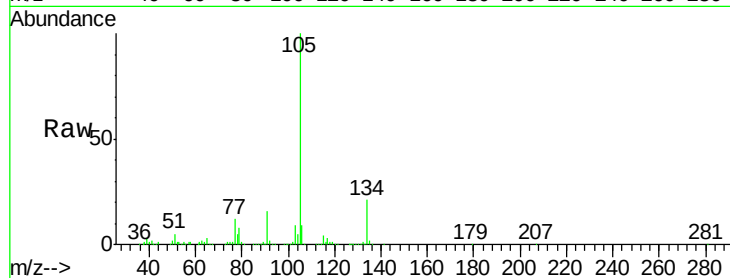
VSTDIC020

Tot Ion:105 Resp: 517302

Ion Ratio Lower Upper

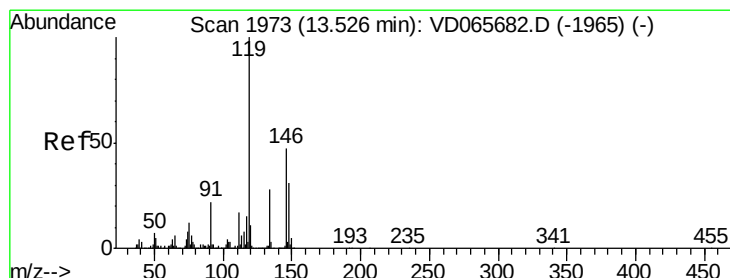
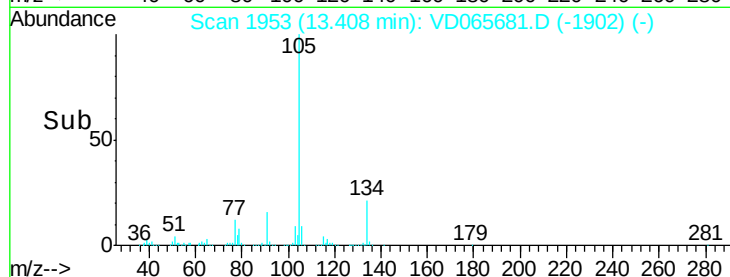
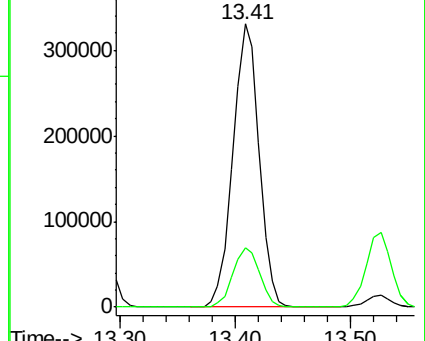
105 100

134 21.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.674 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065681.D

Acq: 29 Apr 2020 14:31

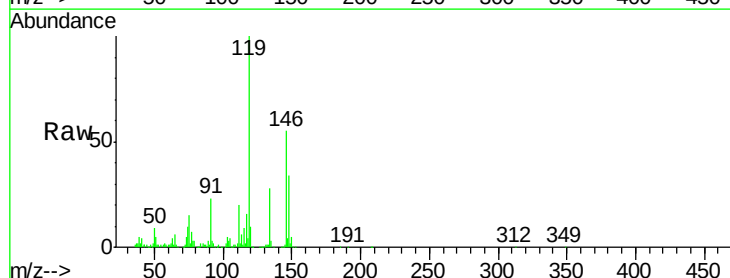
Tgt Ion:119 Resp: 489020

Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

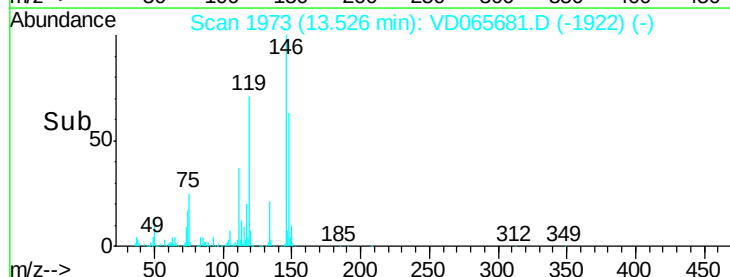
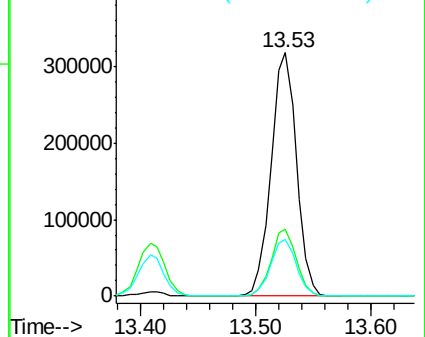
91 23.1 11.1 33.3

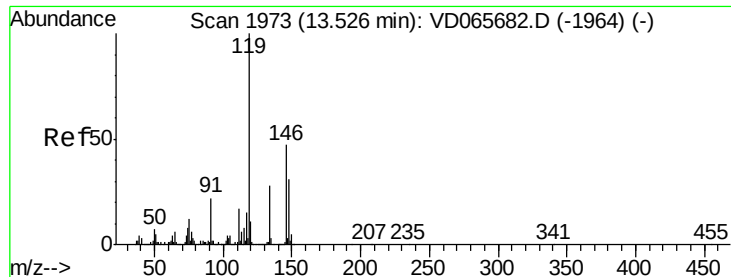


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

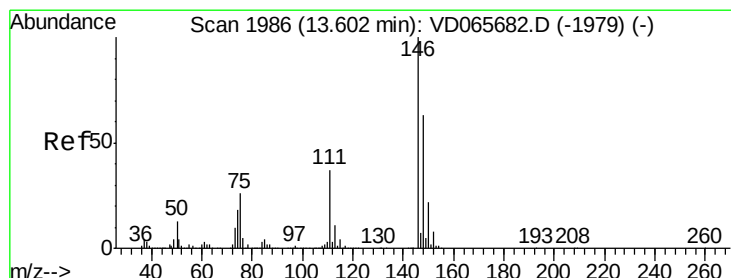
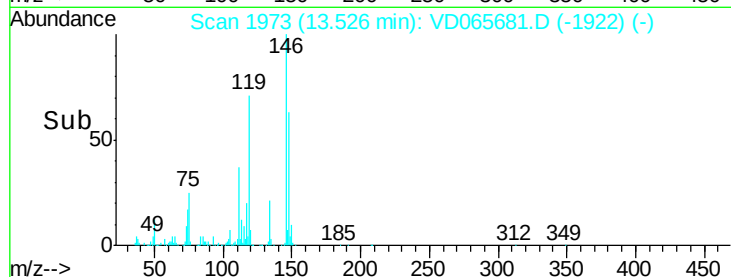
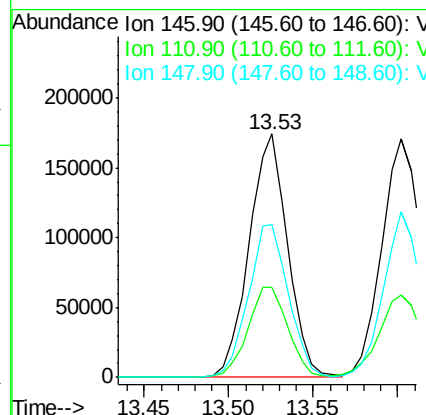
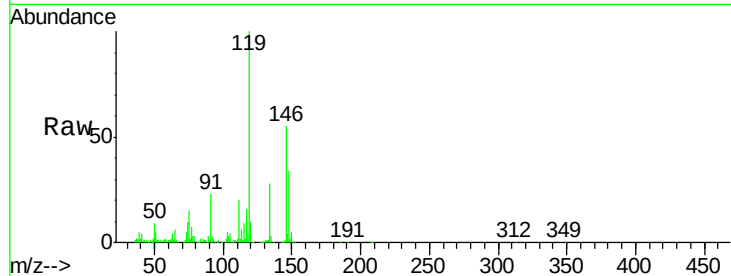




#87
 1,3-Dichlorobenzene
 Concen: 19.674 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

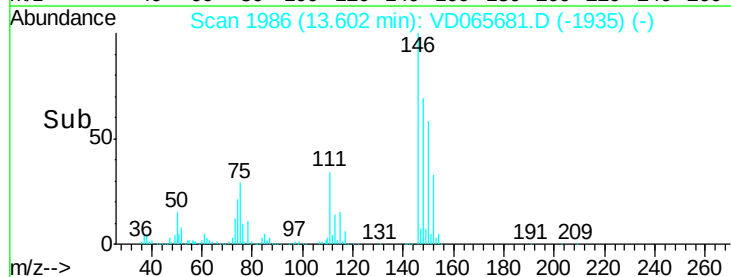
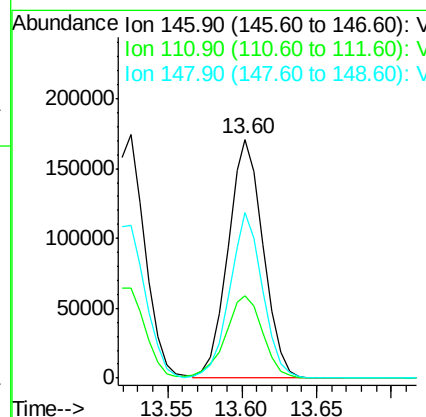
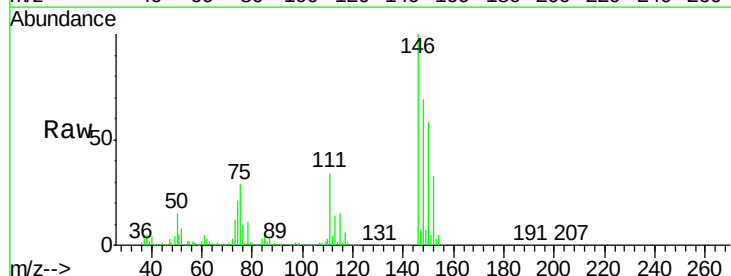
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

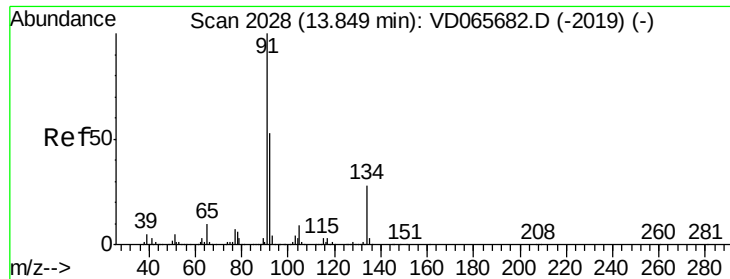
Tot Ion:146 Resp: 276243
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 65.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 19.266 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion:146 Resp: 280798
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.5 55.5
 148 65.0 31.9 95.7

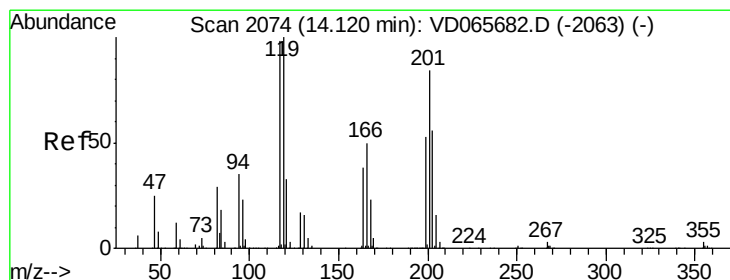
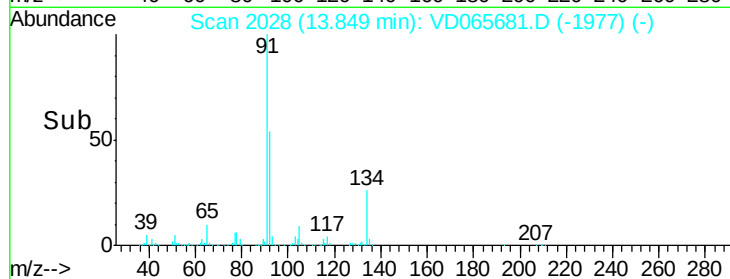
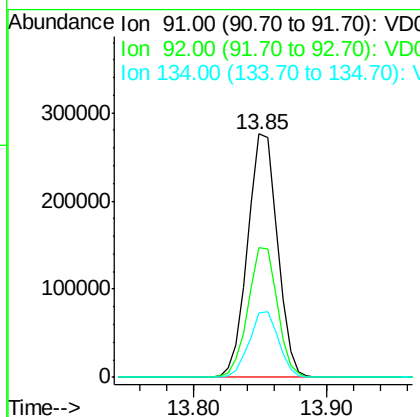
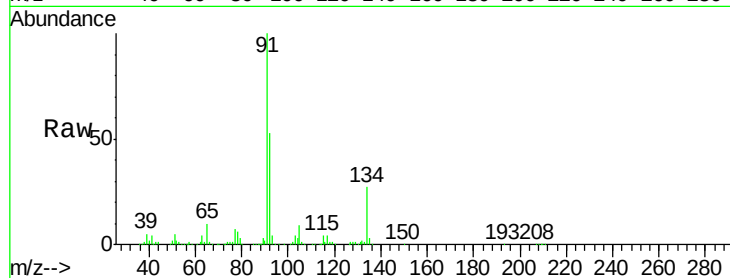




#89
n-Butylbenzene
Concen: 19.832 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

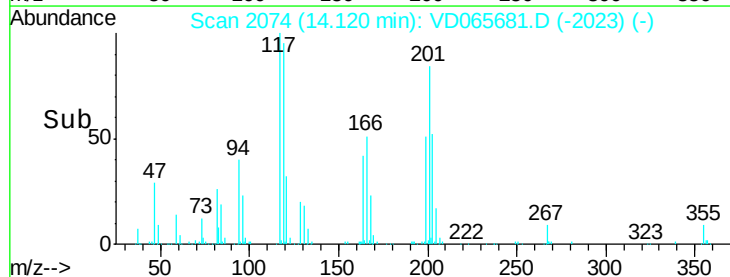
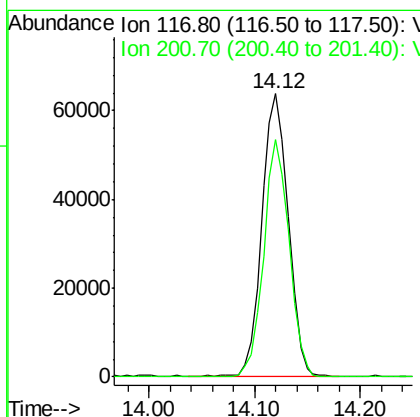
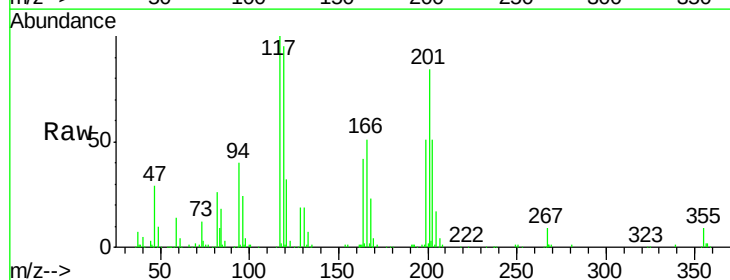
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

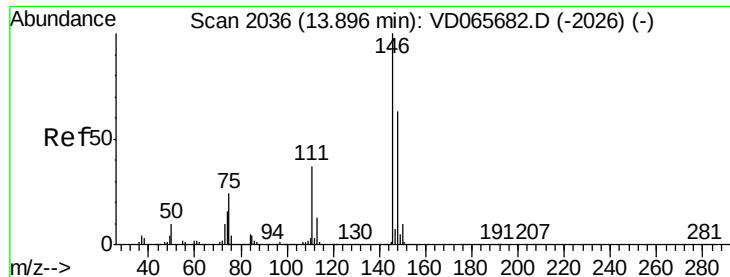
Tot Ion: 91 Resp: 423714
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 26.8 14.1 42.4



#90
Hexachloroethane
Concen: 18.975 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion: 117 Resp: 111319
Ion Ratio Lower Upper
117 100
201 80.4 41.9 125.6

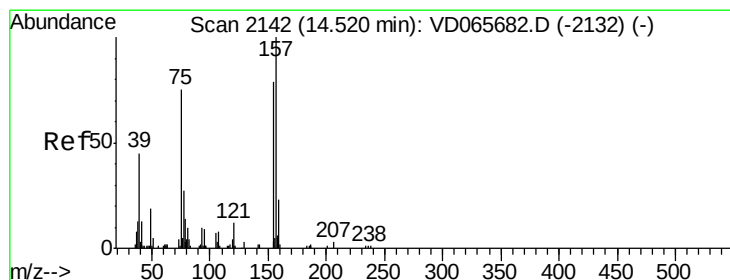
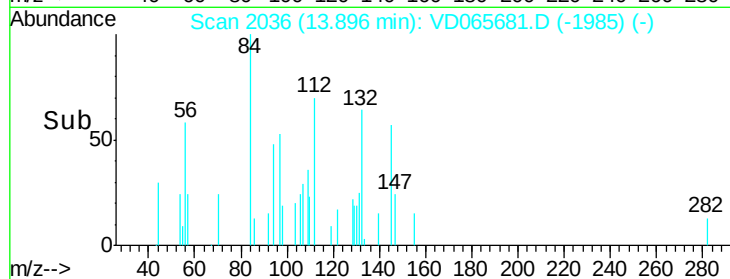
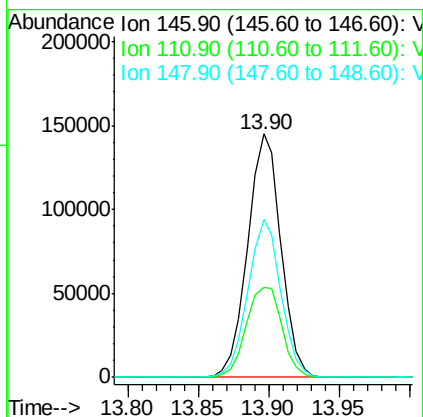
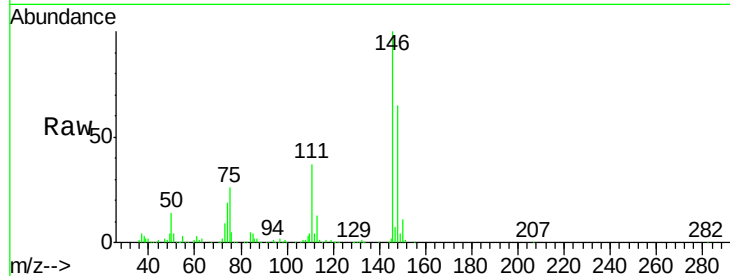




#91
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

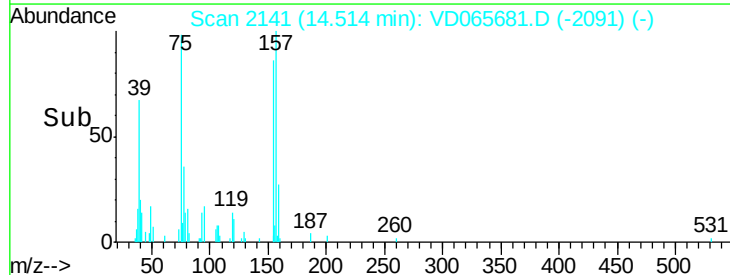
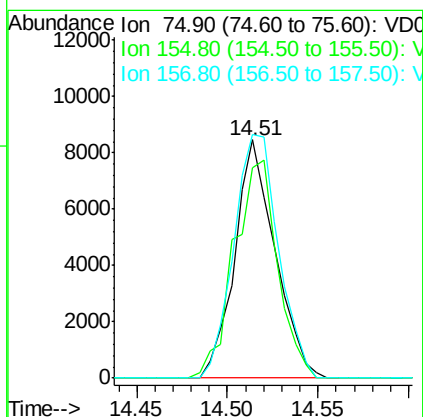
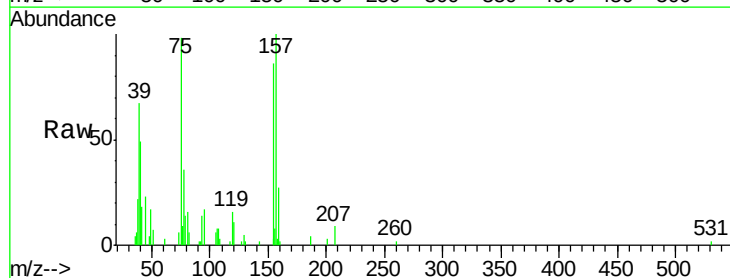
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

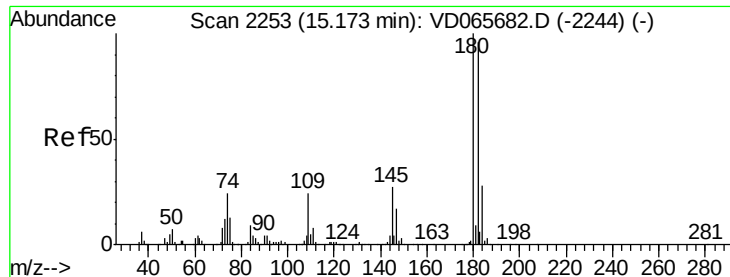
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.4	32.6	98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.154 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	50.5	151.6
157	113.1	67.8	203.2

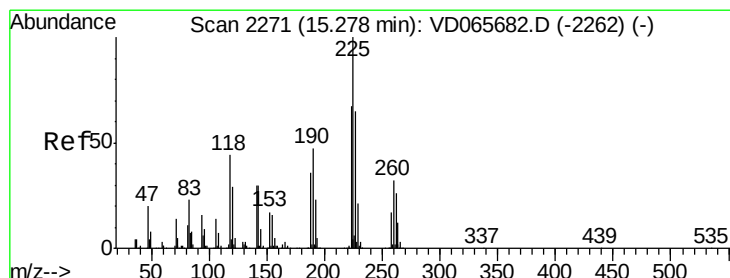
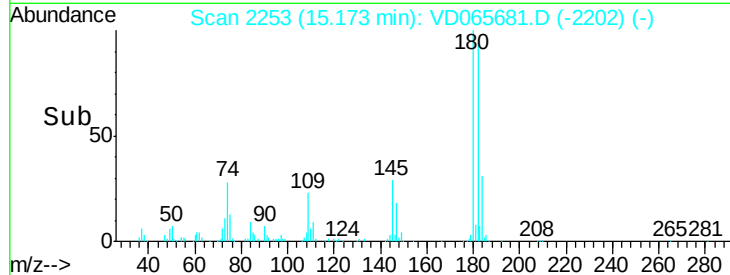
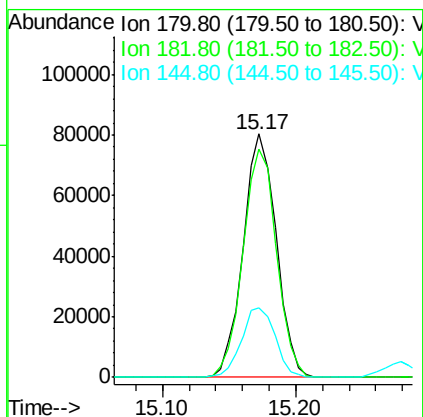
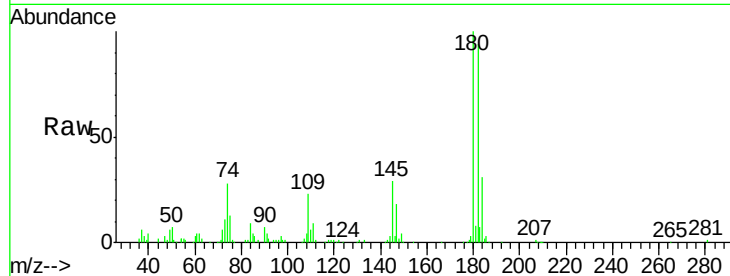




#93
 1,2,4-Trichlorobenzene
 Concen: 19.931 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

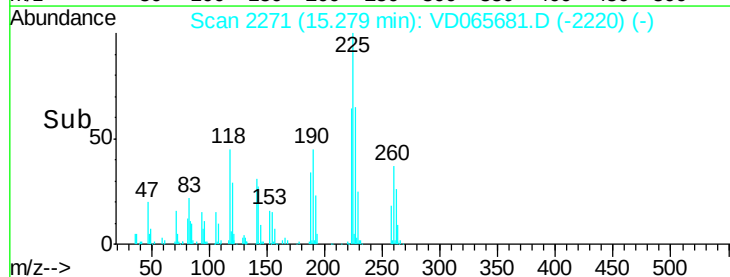
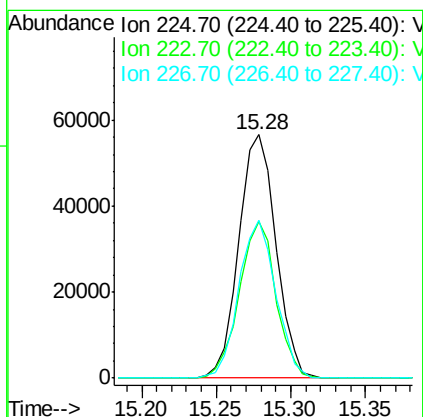
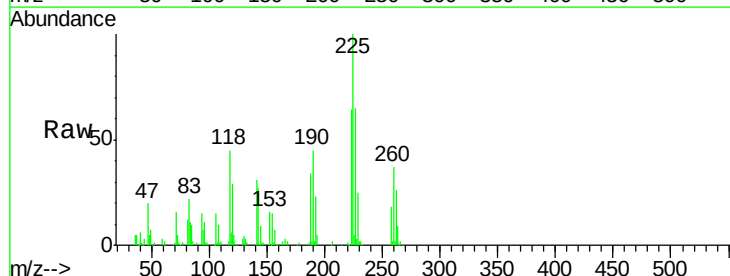
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

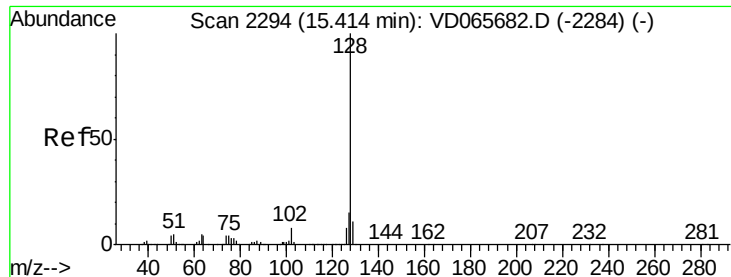
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.0
145	29.1	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.060 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065681.D
 Acq: 29 Apr 2020 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	64.1	32.2	96.6

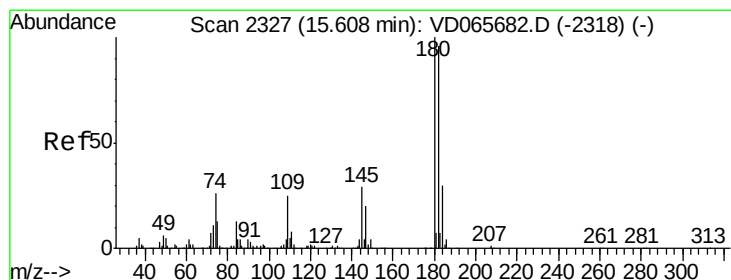
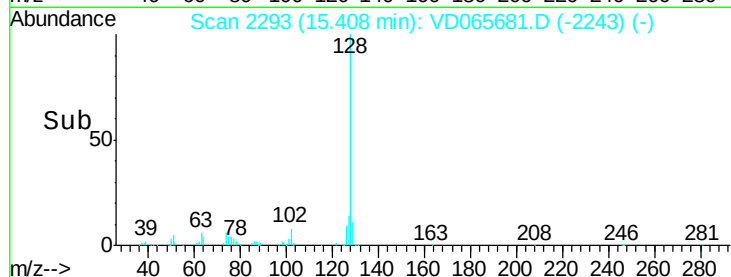
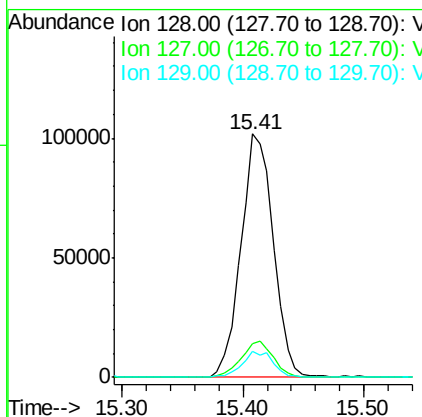
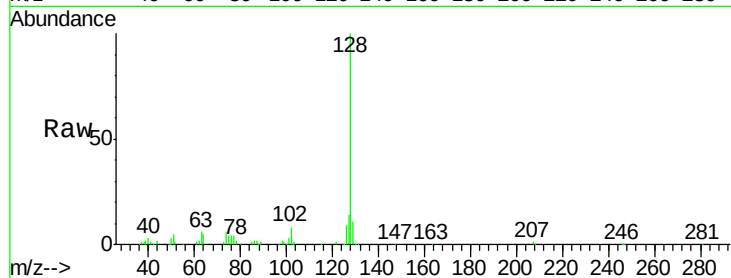




#95
Naphthalene
Concen: 19.470 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 190911
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 10.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.248 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065681.D
Acq: 29 Apr 2020 14:31

Tgt Ion:180 Resp: 125049
Ion Ratio Lower Upper
180 100
182 92.0 48.6 145.8
145 29.0 15.4 46.2

