

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065371.D
 Acq On : 02 Mar 2020 11:19
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Quant Time: Mar 02 11:55:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304795	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	207556	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.92	113	225513	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	886188	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	
62) 4-Bromofluorobenzene	12.64	95	282000	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70913	18.50	ug/l	99
3) Chloromethane	2.21	50	90494	18.55	ug/l	95
4) Vinyl Chloride	2.36	62	92484	18.64	ug/l	97
5) Bromomethane	2.77	94	57805	19.27	ug/l	88
6) Chloroethane	2.93	64	58140	19.20	ug/l	98
7) Trichlorofluoromethane	3.27	101	149032	20.98	ug/l	98
8) Diethyl Ether	3.70	74	41980	19.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93958	20.95	ug/l	97
10) Methyl Iodide	4.30	142	86423	18.56	ug/l	99
11) Tert butyl alcohol	5.25	59	26469	107.75	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85750	20.24	ug/l	99
13) Acrolein	3.92	56	30075	80.06	ug/l	98
14) Allyl chloride	4.71	41	133611	19.42	ug/l	98
15) Acrylonitrile	5.43	53	89457	94.25	ug/l	99
16) Acetone	4.17	43	85255	84.84	ug/l	98
17) Carbon Disulfide	4.40	76	272090	19.16	ug/l	97
18) Methyl Acetate	4.72	43	47363	20.96	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	168520	19.07	ug/l	98
20) Methylene Chloride	4.97	84	107204	21.32	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97722	20.29	ug/l	99
22) Diisopropyl ether	6.37	45	269784	20.34	ug/l	98
23) Vinyl Acetate	6.31	43	668187	91.38	ug/l	99
24) 1,1-Dichloroethane	6.26	63	169248	20.57	ug/l	97
25) 2-Butanone	7.22	43	110790	87.14	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144525	20.25	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102870	20.16	ug/l	98
28) Bromochloromethane	7.55	49	57619	18.88	ug/l	99
29) Tetrahydrofuran	7.57	42	69789	93.68	ug/l	100
30) Chloroform	7.71	83	168701	20.35	ug/l	100
31) Cyclohexane	7.98	56	155017	19.18	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	156419	21.09	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136426	20.88	ug/l	99
37) Ethyl Acetate	7.30	43	50737	18.57	ug/l	98
38) Carbon Tetrachloride	8.10	117	142281	21.39	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065371.D
 Acq On : 02 Mar 2020 11:19
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Quant Time: Mar 02 11:55:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158852	20.68	ug/l	98
40) Benzene	8.36	78	386081	20.93	ug/l	98
41) Methacrylonitrile	7.53	41	27167	17.22	ug/l	96
42) 1,2-Dichloroethane	8.43	62	102744	20.26	ug/l	100
43) Isopropyl Acetate	8.46	43	90677	18.25	ug/l	96
44) Trichloroethene	9.11	130	108050	21.13	ug/l	99
45) 1,2-Dichloropropane	9.39	63	96907	21.13	ug/l	97
46) Dibromomethane	9.48	93	48041	20.36	ug/l	98
47) Bromodichloromethane	9.67	83	127371	20.48	ug/l	98
48) Methyl methacrylate	9.46	41	42307	18.43	ug/l	95
49) 1,4-Dioxane	9.47	88	10931	394.97	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	242248	96.02	ug/l	100
52) Toluene	10.41	92	252527	22.12	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115691	20.07	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141625	20.35	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	68424	20.60	ug/l	99
56) Ethyl methacrylate	10.67	69	72531	18.92	ug/l	99
57) 1,3-Dichloropropane	10.96	76	115924	20.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113352	93.79	ug/l	100
59) 2-Hexanone	10.99	43	167851	92.94	ug/l	97
60) Dibromochloromethane	11.15	129	89109	20.96	ug/l	100
61) 1,2-Dibromoethane	11.25	107	63967	20.34	ug/l	99
64) Tetrachloroethene	10.88	164	96849	22.43	ug/l	96
65) Chlorobenzene	11.68	112	262941	21.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96363	21.13	ug/l	99
67) Ethyl Benzene	11.75	91	451146	21.08	ug/l	100
68) m/p-Xylenes	11.86	106	355602	43.43	ug/l	100
69) o-Xylene	12.19	106	152474	21.02	ug/l	100
70) Styrene	12.20	104	273899	21.27	ug/l	98
71) Bromoform	12.37	173	52205	20.63	ug/l	# 99
73) Isopropylbenzene	12.49	105	428762	21.25	ug/l	100
74) N-amyl acetate	12.30	43	79889	17.82	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	71660	19.68	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	94188	36.32	ug/l	# 100
77) Bromobenzene	12.77	156	105764	21.11	ug/l	99
78) n-propylbenzene	12.83	91	519847	21.44	ug/l	99
79) 2-Chlorotoluene	12.92	91	288136	21.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	355625	21.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22295	18.56	ug/l	97
82) 4-Chlorotoluene	13.01	91	303614	21.05	ug/l	98
83) tert-Butylbenzene	13.23	119	303301	21.77	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	362807	21.81	ug/l	100
85) sec-Butylbenzene	13.41	105	431784	21.51	ug/l	100
86) p-Isopropyltoluene	13.53	119	392950	21.41	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202432	20.90	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	200861	21.01	ug/l	99
89) n-Butylbenzene	13.86	91	359169	21.23	ug/l	98
90) Hexachloroethane	14.13	117	78758	21.13	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174552	20.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10601	18.89	ug/l	93

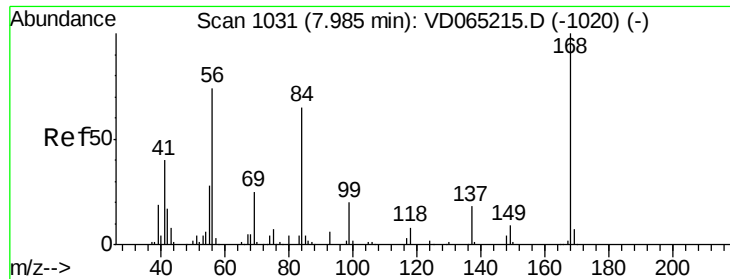
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
Data File : VD065371.D
Acq On : 02 Mar 2020 11:19
Operator : VA/SY
Sample : VD0302SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Quant Time: Mar 02 11:55:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115336	21.20	ug/l	99
94) Hexachlorobutadiene	15.28	225	74769	21.42	ug/l	98
95) Naphthalene	15.41	128	169849	19.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99552	20.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

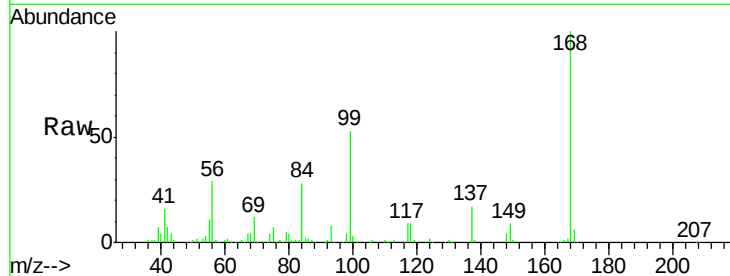
VD0302SBS01

Tgt Ion:168 Resp: 456974

Ion Ratio Lower Upper

168 100

99 52.7 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

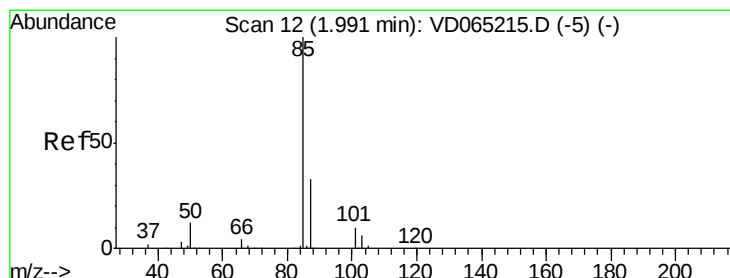
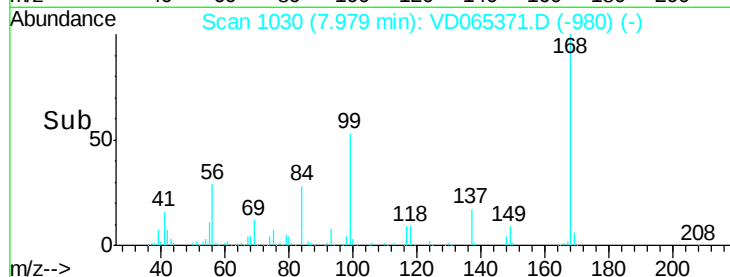
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.50 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065371.D

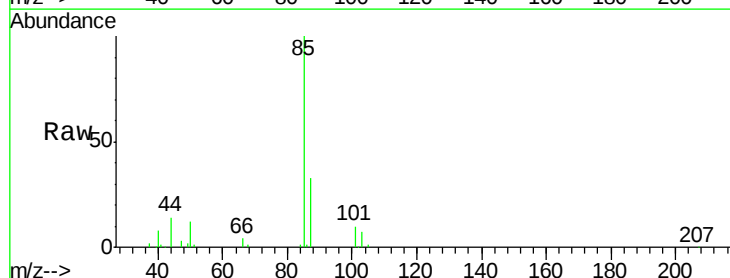
Acq: 02 Mar 2020 11:19

Tgt Ion: 85 Resp: 70913

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

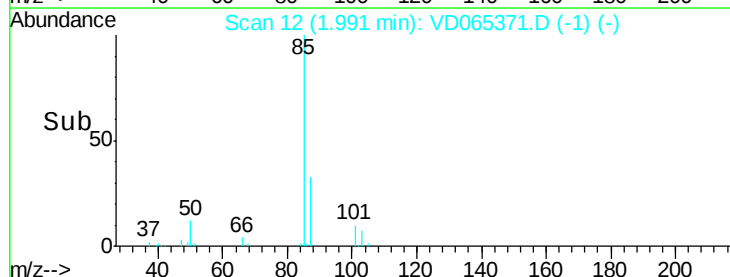
30000

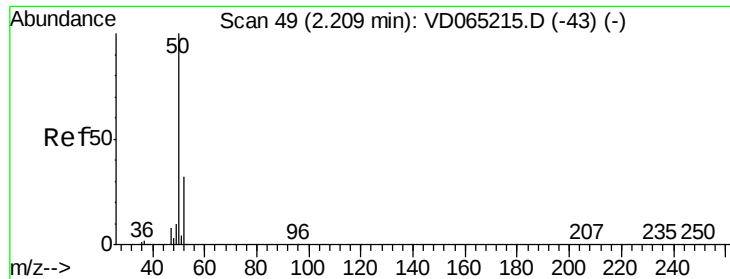
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.55 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

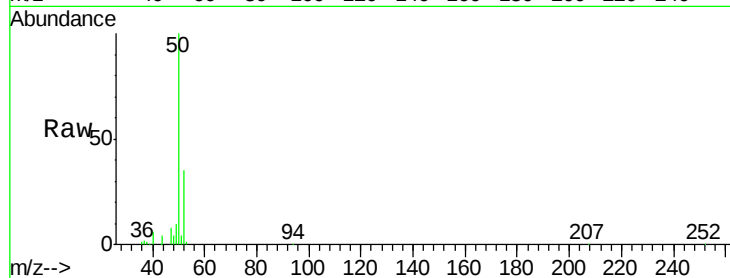
VD0302SBS01

Tgt Ion: 50 Resp: 90494

Ion Ratio Lower Upper

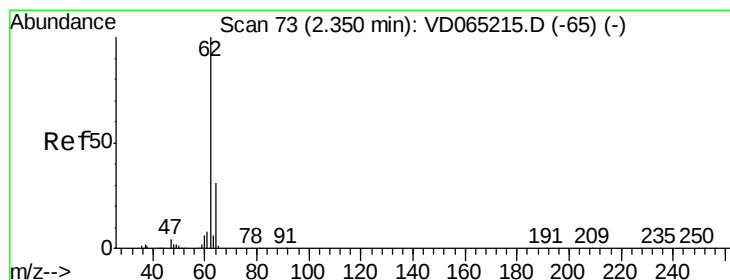
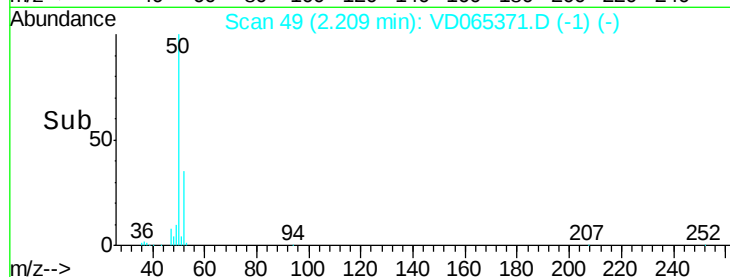
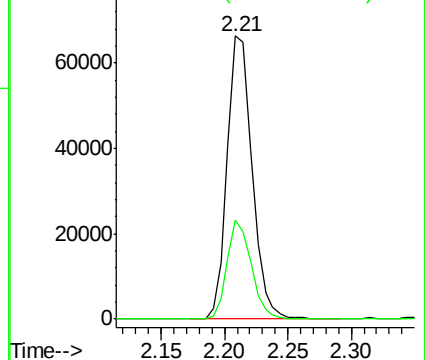
50 100

52 34.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.64 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065371.D

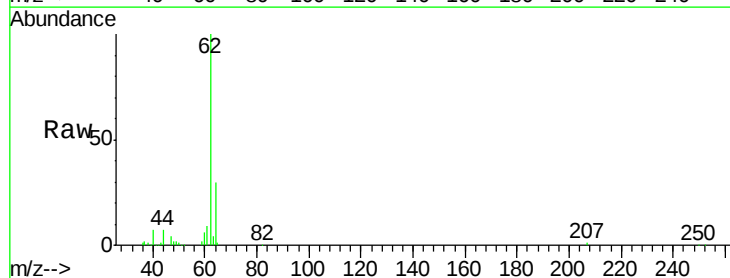
Acq: 02 Mar 2020 11:19

Tgt Ion: 62 Resp: 92484

Ion Ratio Lower Upper

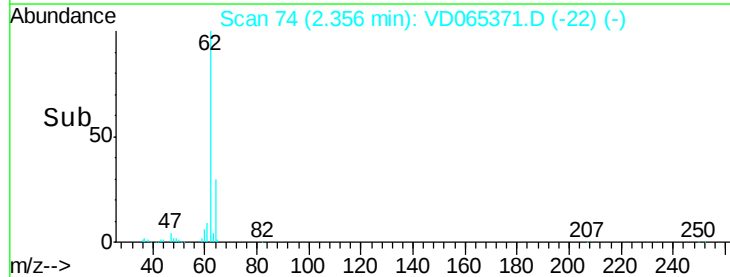
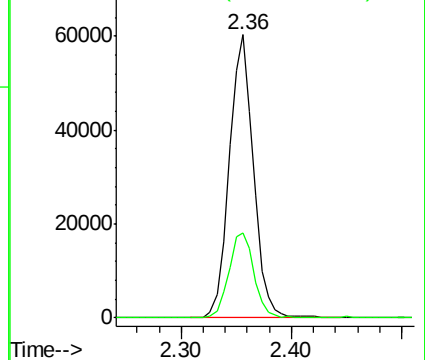
62 100

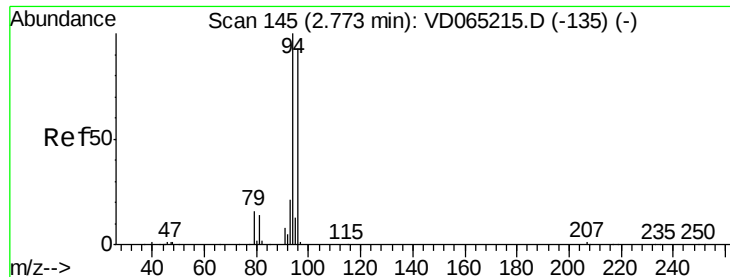
64 29.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.27 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

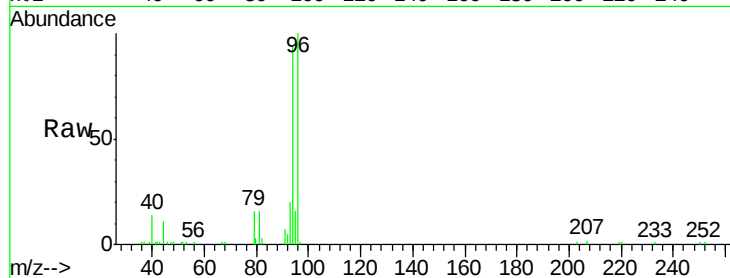
VD0302SBS01

Tgt Ion: 94 Resp: 57805

Ion Ratio Lower Upper

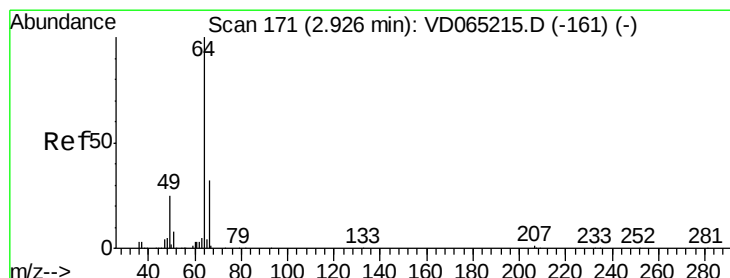
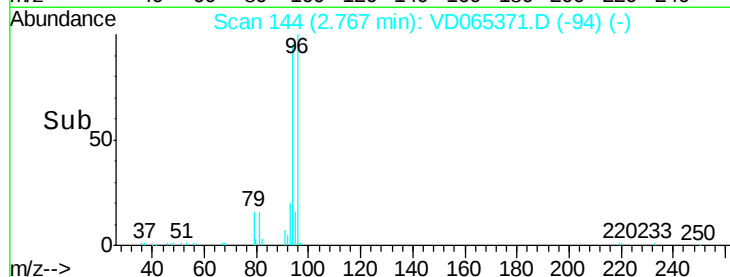
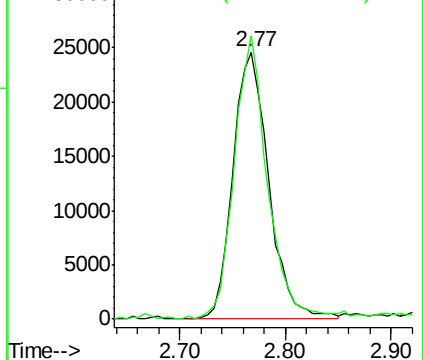
94 100

96 104.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.20 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065371.D

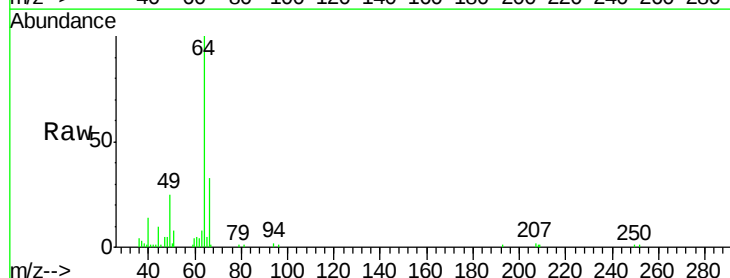
Acq: 02 Mar 2020 11:19

Tgt Ion: 64 Resp: 58140

Ion Ratio Lower Upper

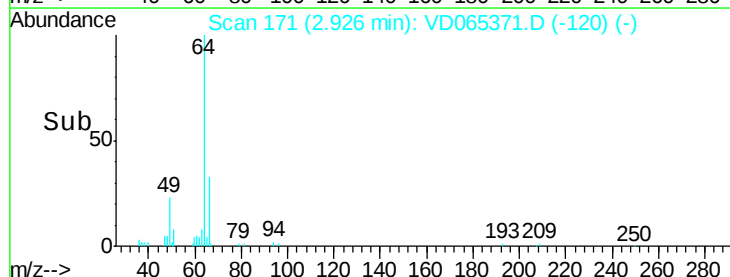
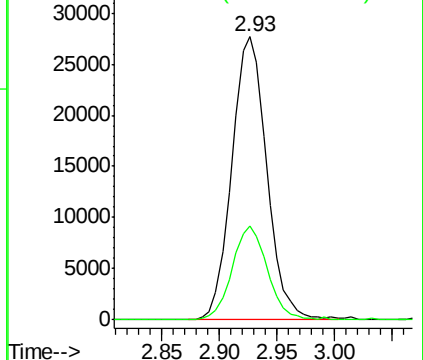
64 100

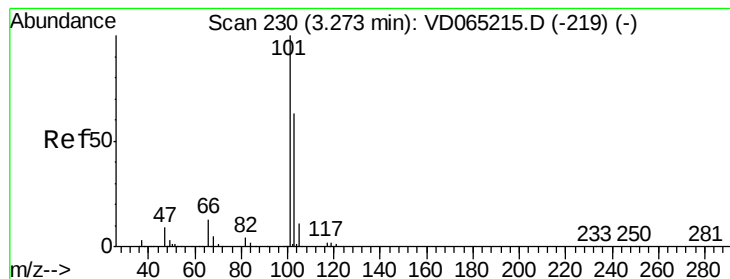
66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



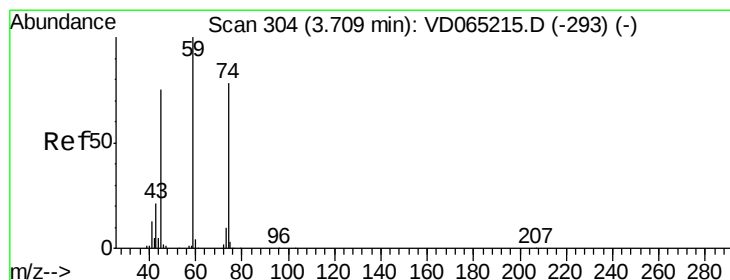
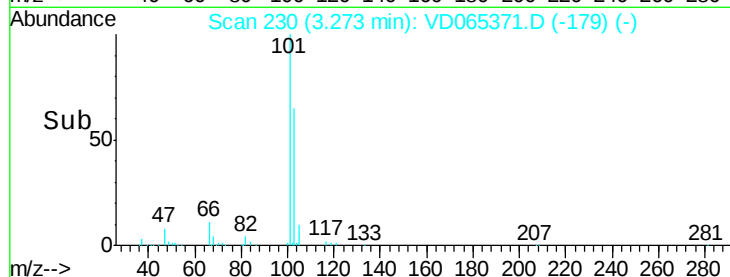
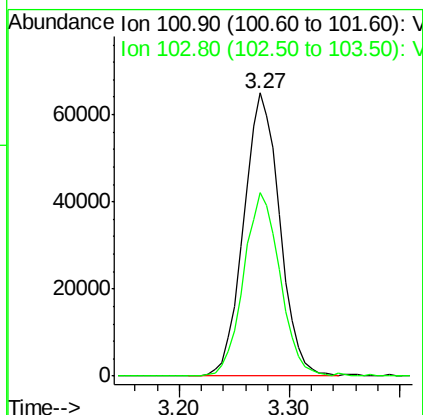
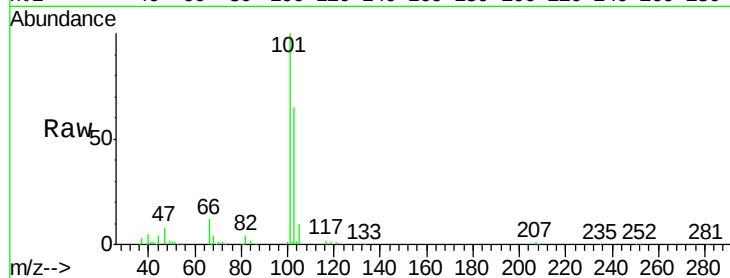


#7

Trichlorofluoromethane
Concen: 20.98 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

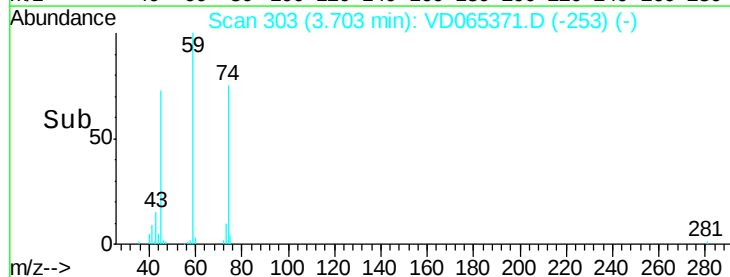
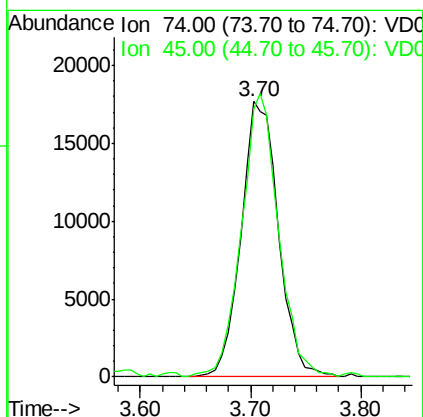
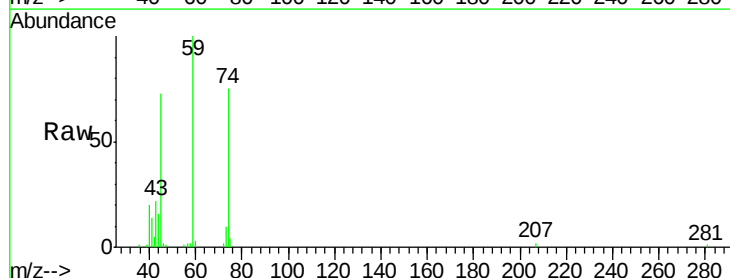
Tgt Ion: 101 Resp: 149032
Ion Ratio Lower Upper
101 100
103 64.8 50.7 76.1

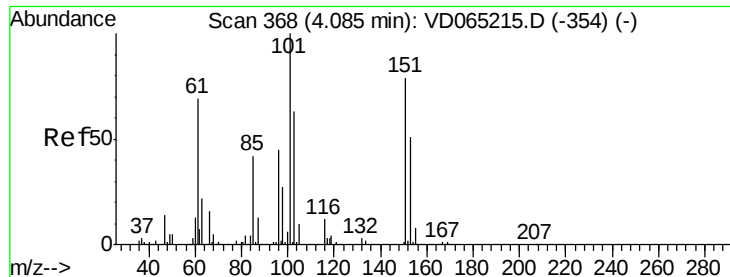


#8

Diethyl Ether
Concen: 19.58 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 74 Resp: 41980
Ion Ratio Lower Upper
74 100
45 101.9 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.95 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

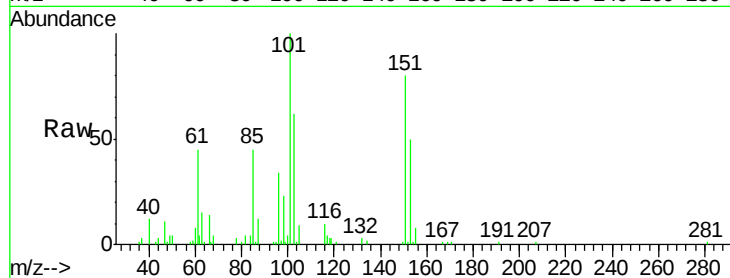
Tgt Ion:101 Resp: 93958

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

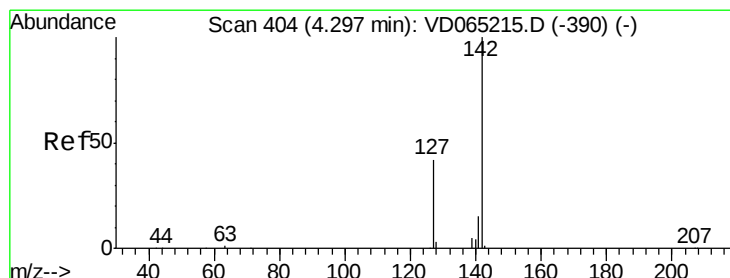
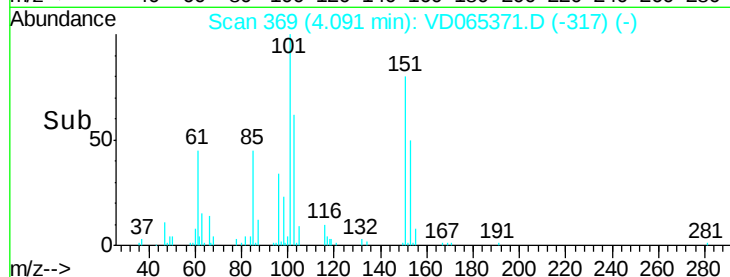
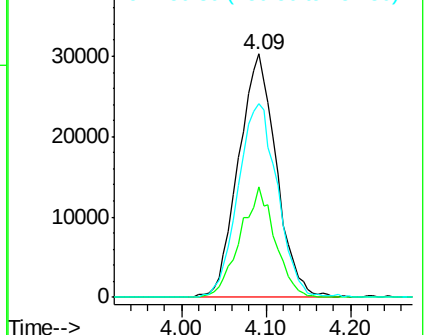
151 83.3 63.5 95.3



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: 18.56 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

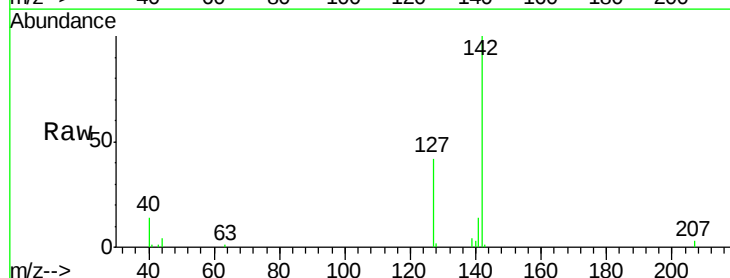
Tgt Ion:142 Resp: 86423

Ion Ratio Lower Upper

142 100

127 43.5 33.8 50.8

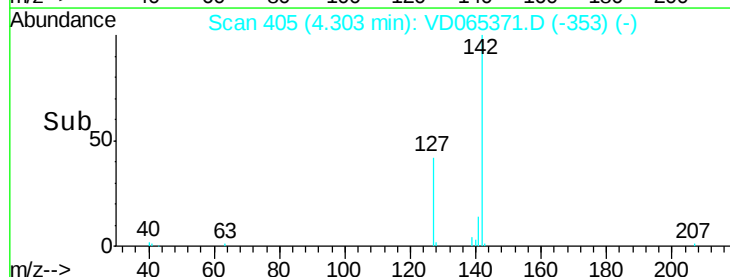
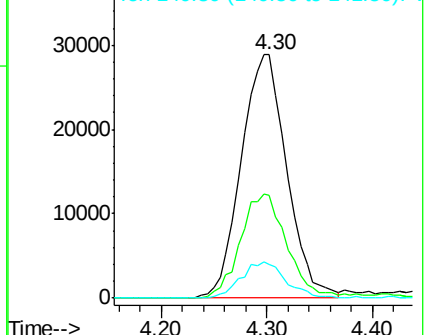
141 14.5 11.7 17.5

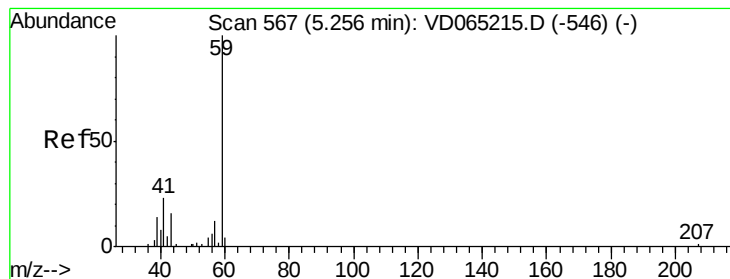


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 107.75 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

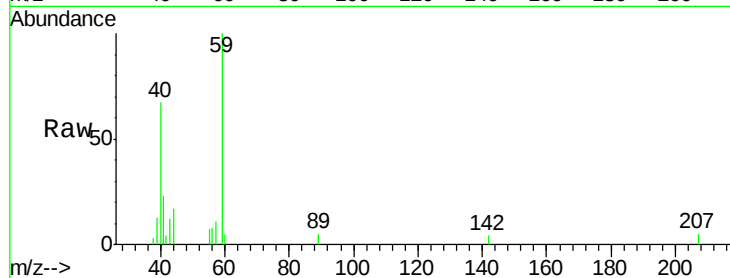
VD0302SBS01

Tgt Ion: 59 Resp: 26469

Ion Ratio Lower Upper

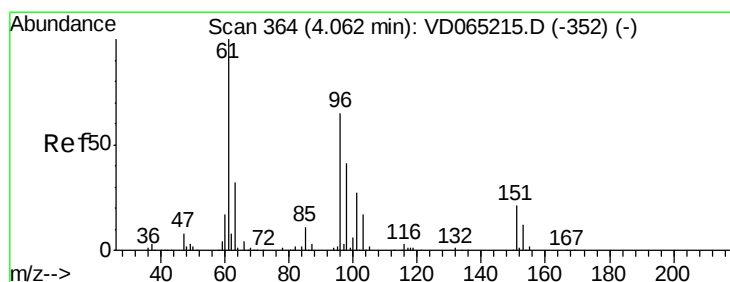
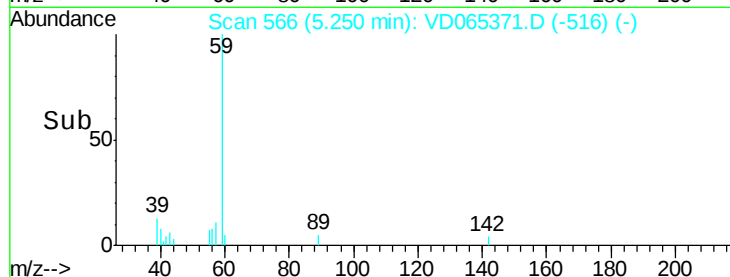
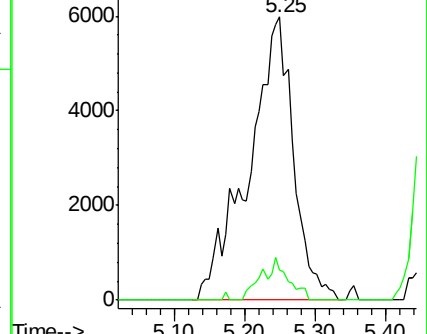
59 100

57 8.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.24 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

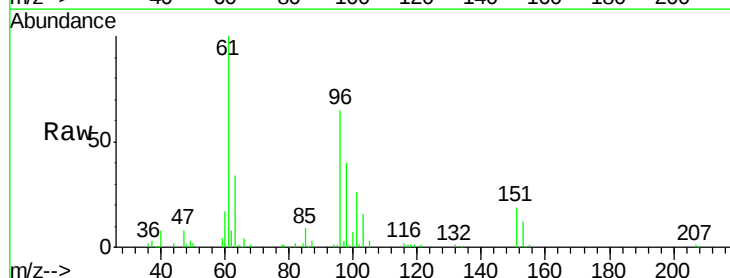
Tgt Ion: 96 Resp: 85750

Ion Ratio Lower Upper

96 100

61 154.2 123.3 184.9

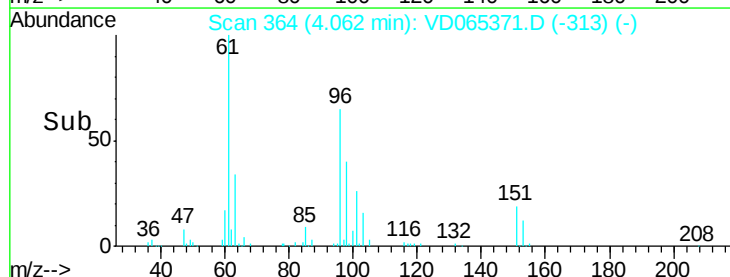
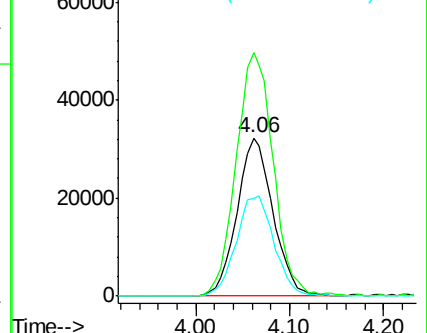
98 62.1 51.0 76.4

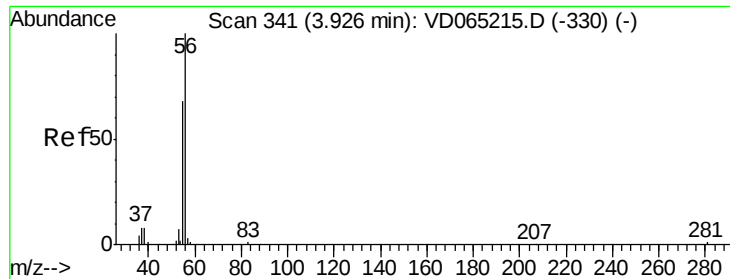


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 80.06 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

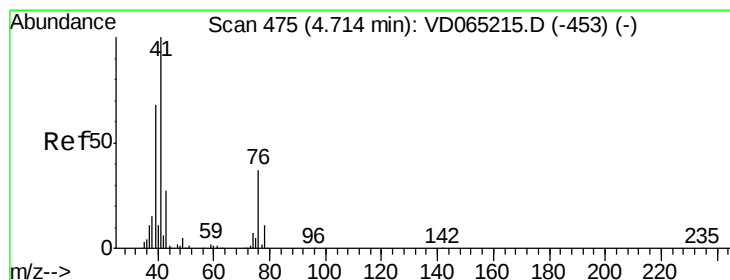
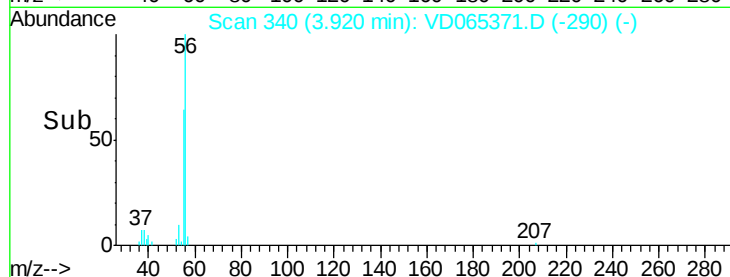
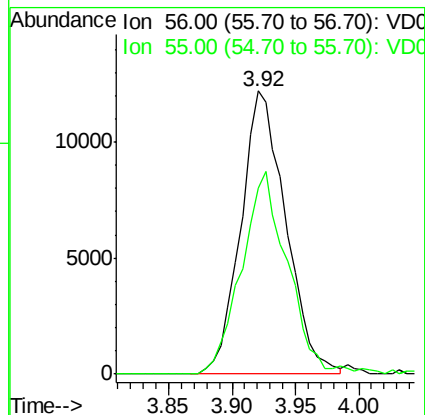
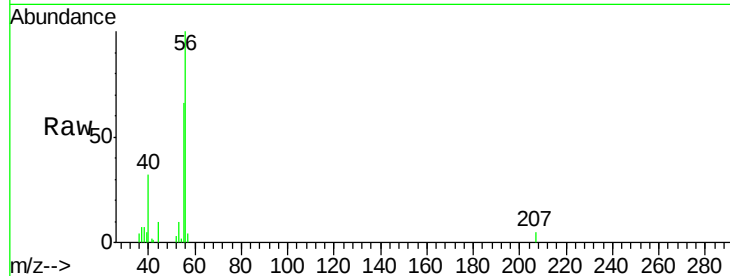
VD0302SBS01

Tgt Ion: 56 Resp: 30075

Ion Ratio Lower Upper

56 100

55 72.2 56.6 85.0



#14

Allyl chloride

Concen: 19.42 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

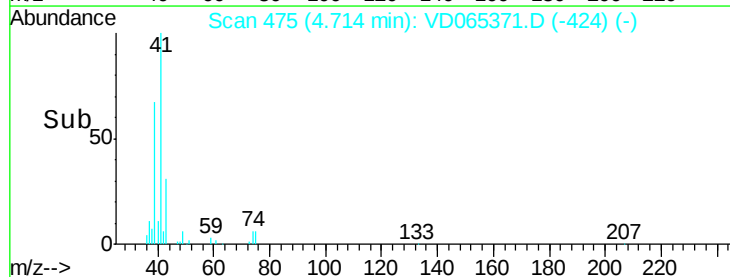
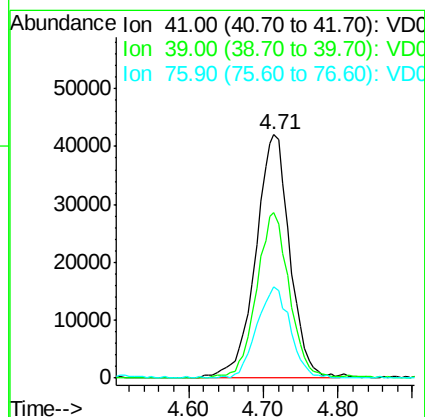
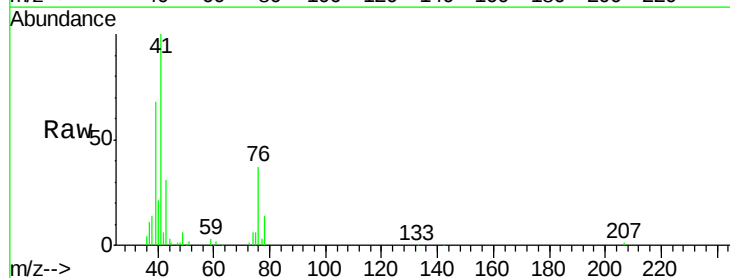
Tgt Ion: 41 Resp: 133611

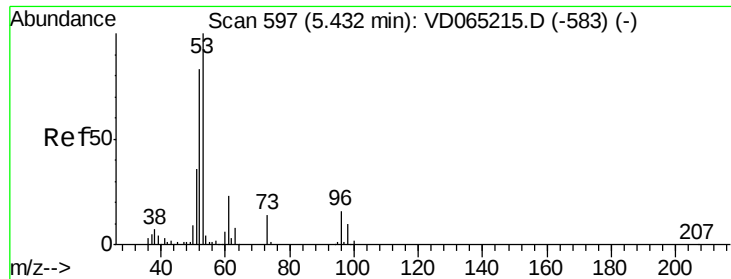
Ion Ratio Lower Upper

41 100

39 65.4 53.8 80.6

76 36.8 28.7 43.1

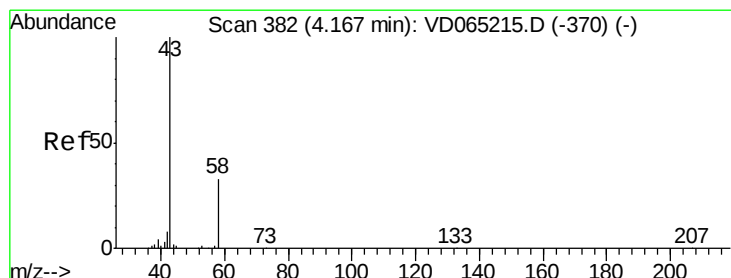
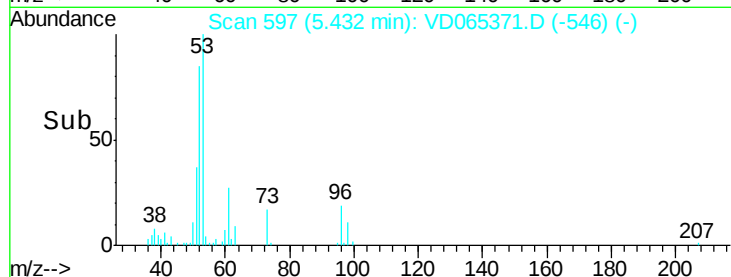
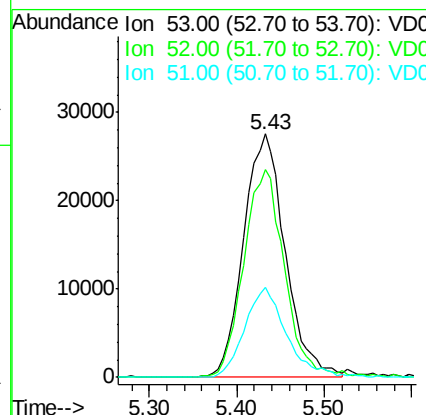
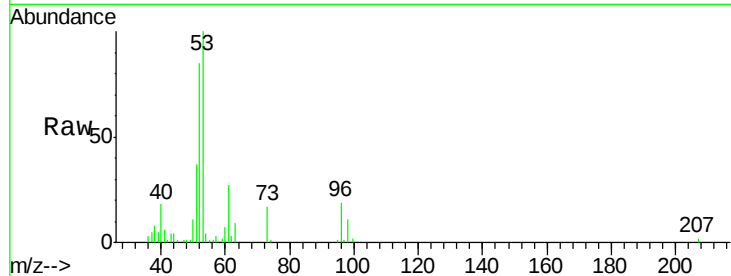




#15
 Acrylonitrile
 Concen: 94.25 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

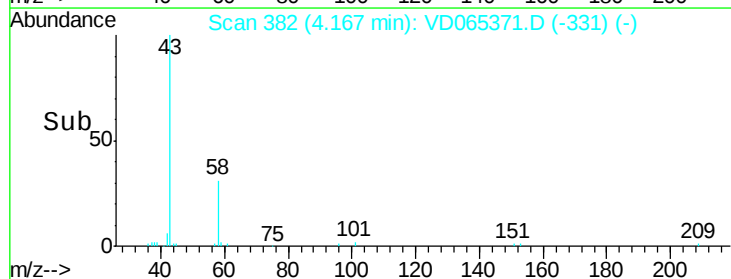
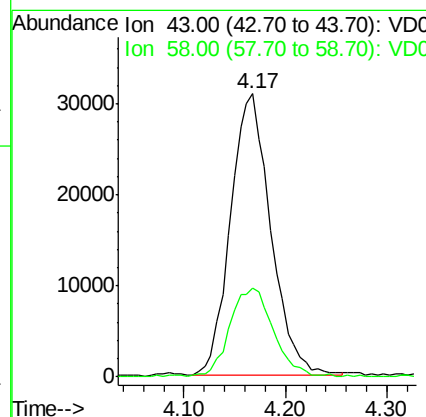
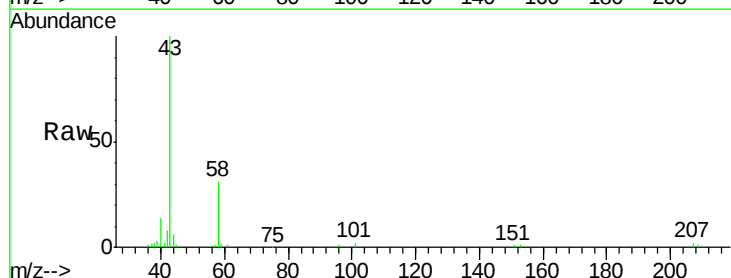
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

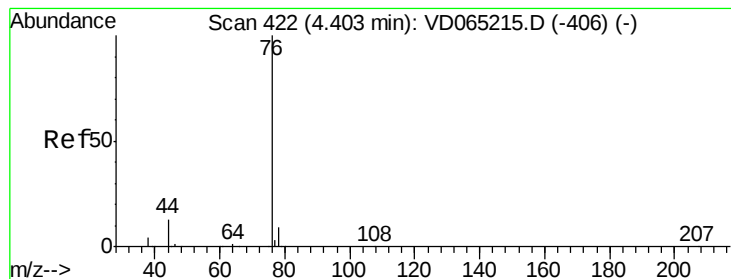
Tgt Ion: 53 Resp: 89457
 Ion Ratio Lower Upper
 53 100
 52 83.3 65.4 98.2
 51 36.8 29.5 44.3



#16
 Acetone
 Concen: 84.84 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 43 Resp: 85255
 Ion Ratio Lower Upper
 43 100
 58 31.4 26.2 39.2





#17

Carbon Disulfide

Concen: 19.16 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

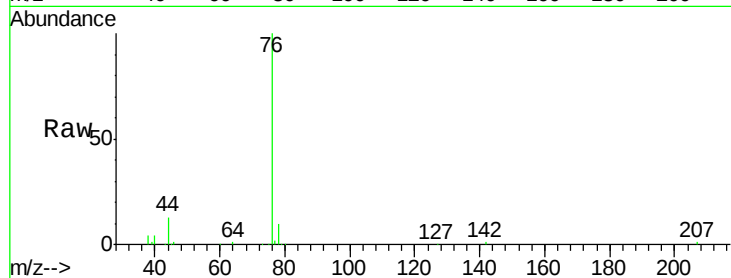
VD0302SBS01

Tgt Ion: 76 Resp: 272090

Ion Ratio Lower Upper

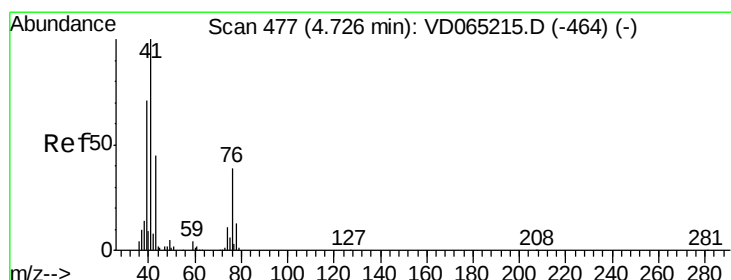
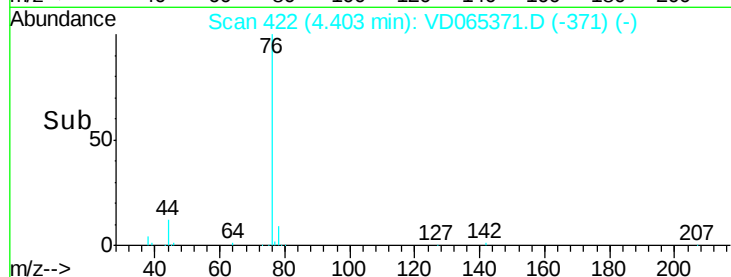
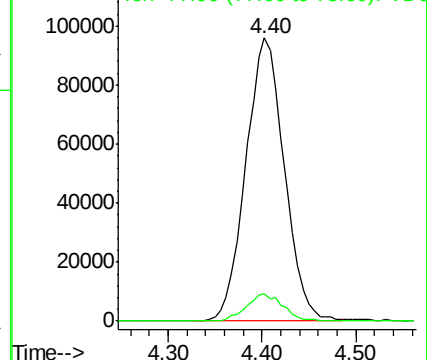
76 100

78 9.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.96 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065371.D

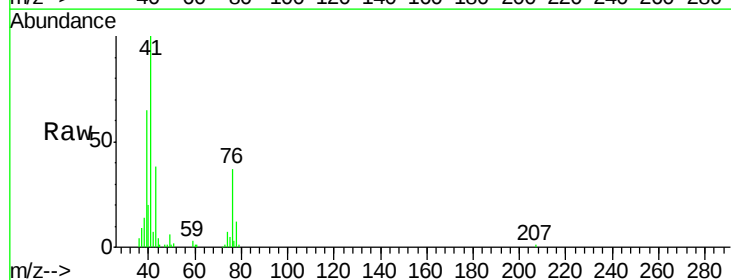
Acq: 02 Mar 2020 11:19

Tgt Ion: 43 Resp: 47363

Ion Ratio Lower Upper

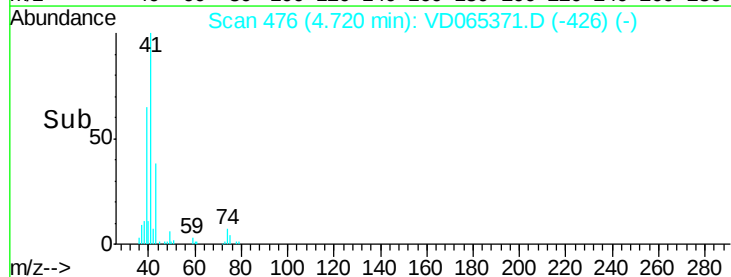
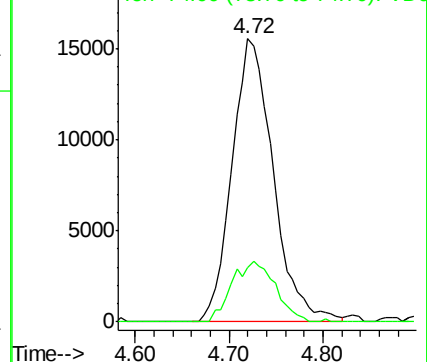
43 100

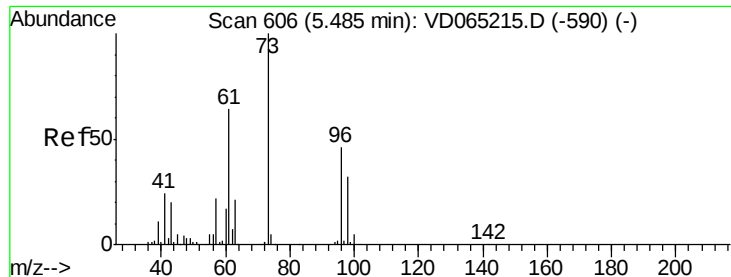
74 22.4 19.4 29.2



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: 19.07 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

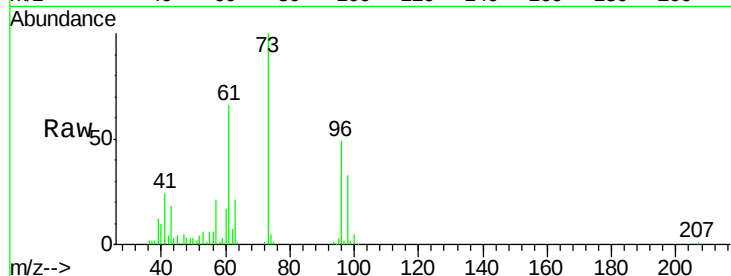
VD0302SBS01

Tgt Ion: 73 Resp: 168520

Ion Ratio Lower Upper

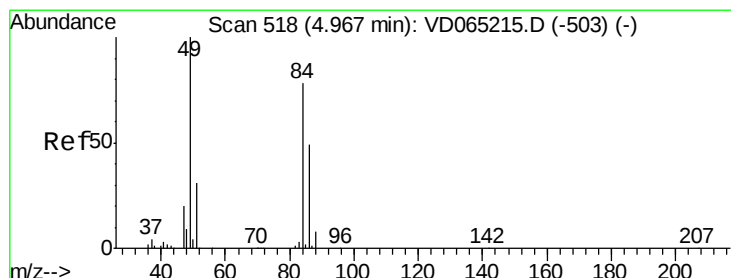
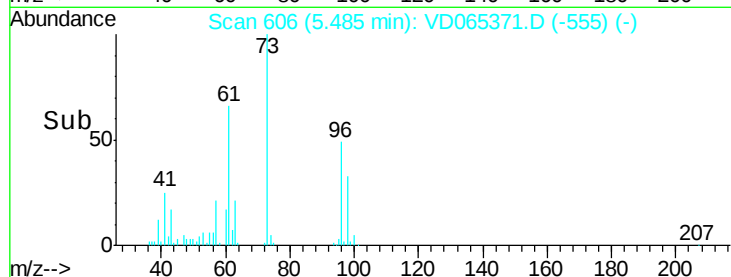
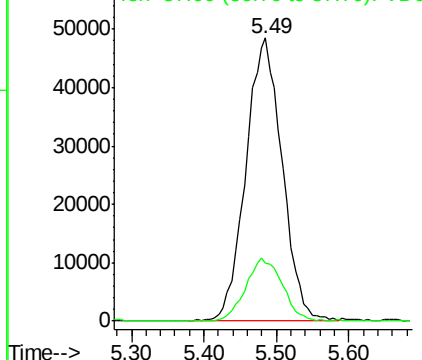
73 100

57 20.7 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 21.32 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion: 84 Resp: 107204

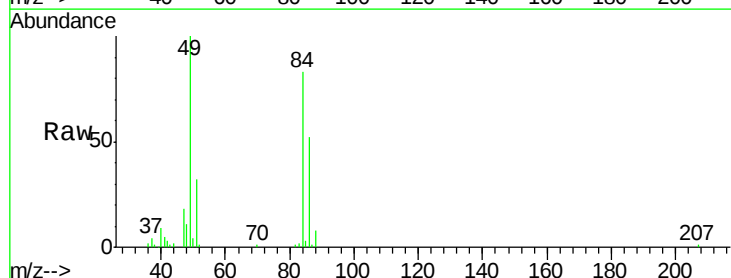
Ion Ratio Lower Upper

84 100

49 120.2 103.1 154.7

51 38.5 31.7 47.5

86 62.6 50.9 76.3

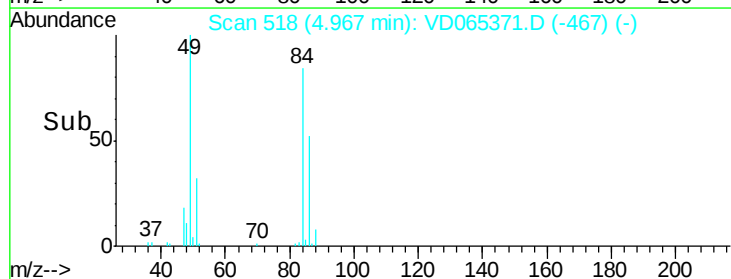
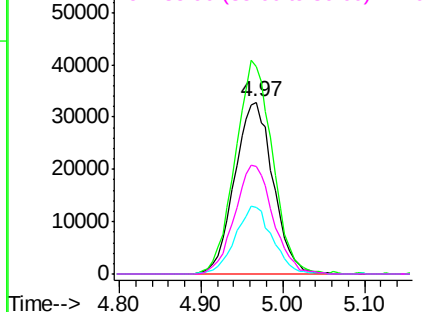


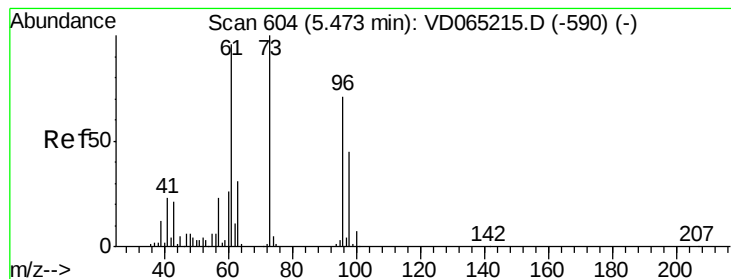
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

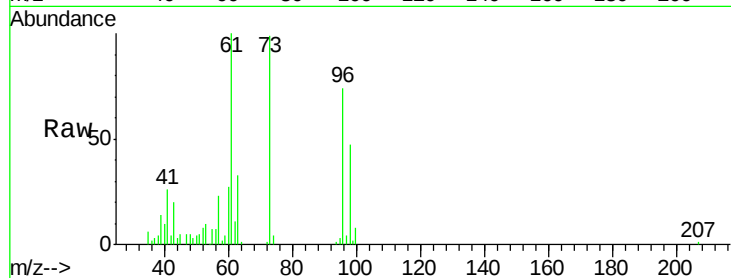
Tgt Ion: 96 Resp: 97722

Ion Ratio Lower Upper

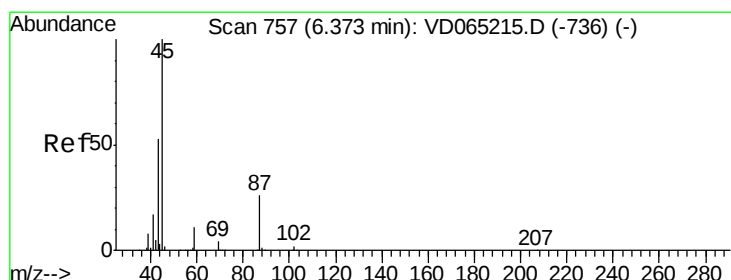
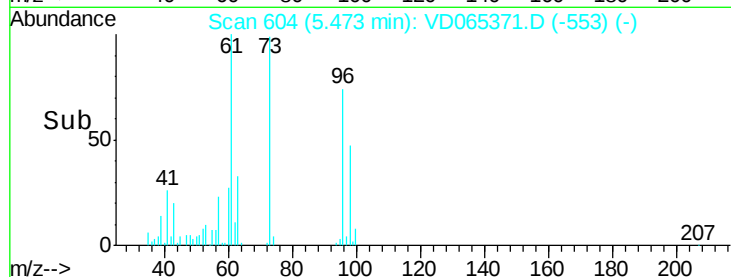
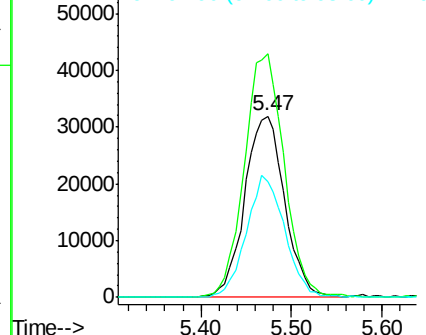
96 100

61 134.5 108.3 162.5

98 63.8 50.7 76.1



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: 20.34 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion: 45 Resp: 269784

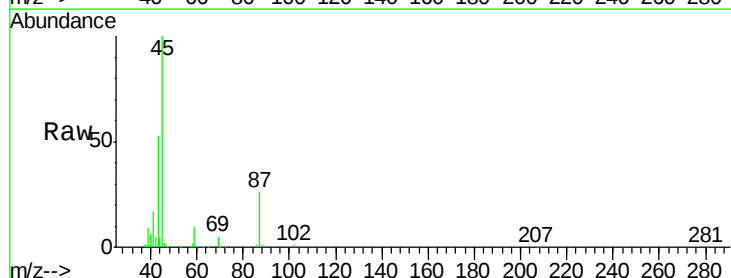
Ion Ratio Lower Upper

45 100

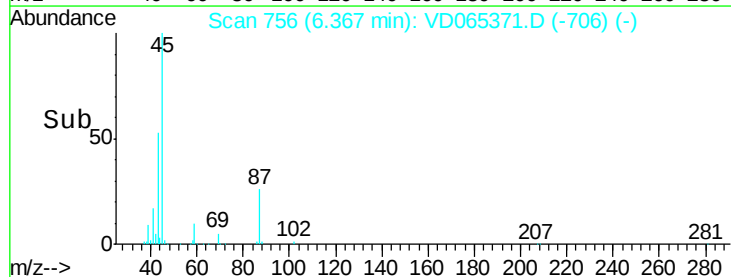
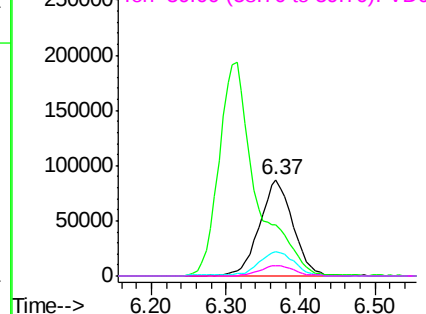
43 52.4 42.6 64.0

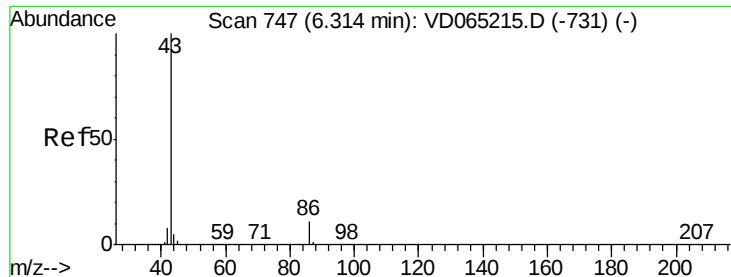
87 25.5 21.2 31.8

59 10.4 8.9 13.3



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: 91.38 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

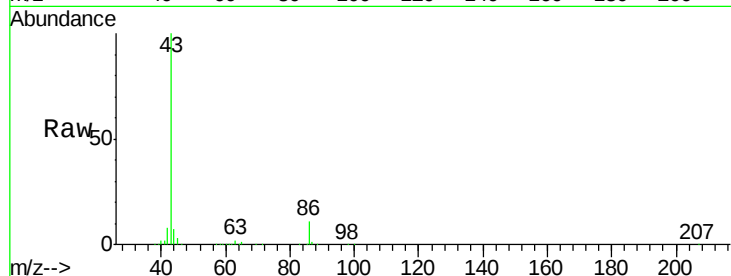
VD0302SBS01

Tgt Ion: 43 Resp: 668187

Ion Ratio Lower Upper

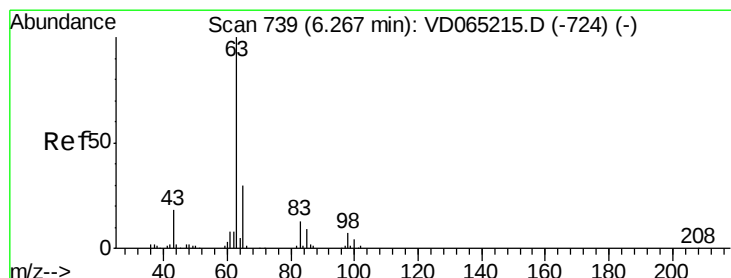
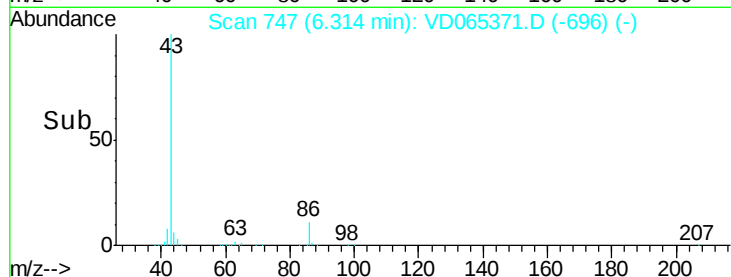
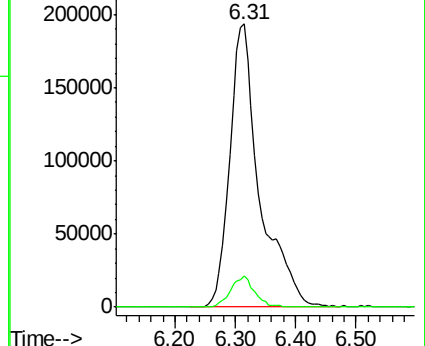
43 100

86 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.57 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

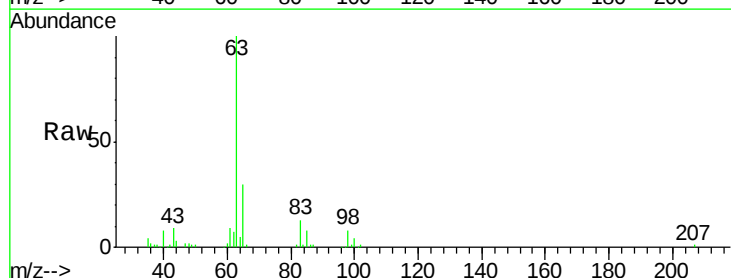
Tgt Ion: 63 Resp: 169248

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.1

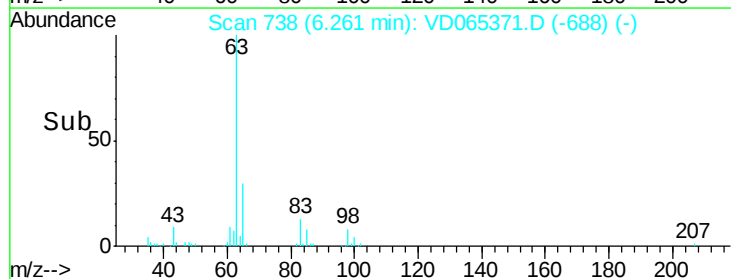
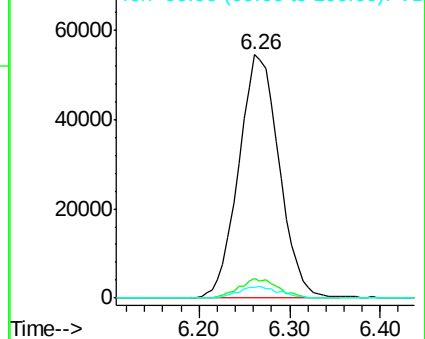
100 4.4 2.3 6.8

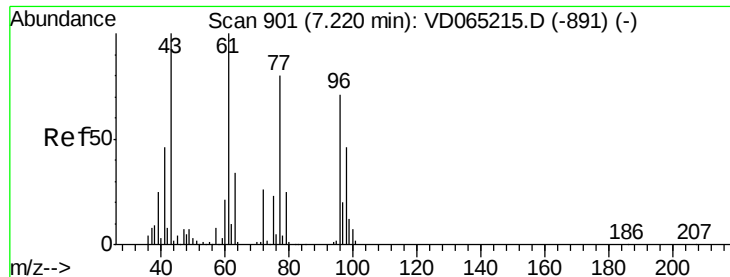


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.14 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

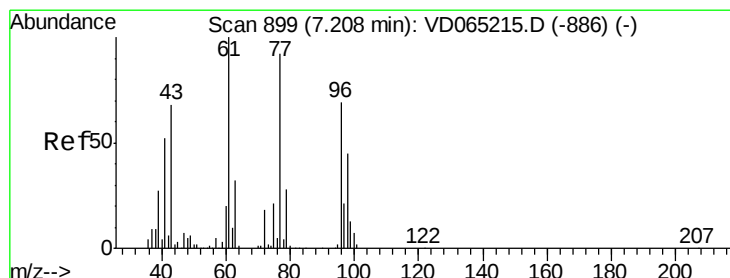
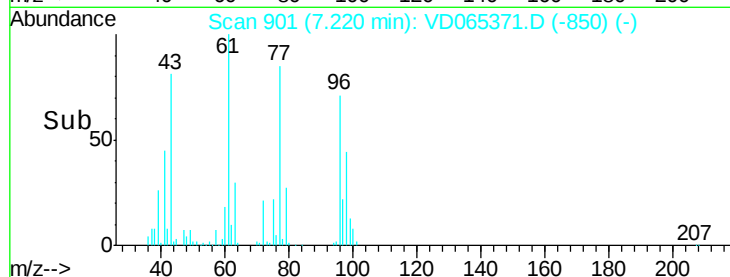
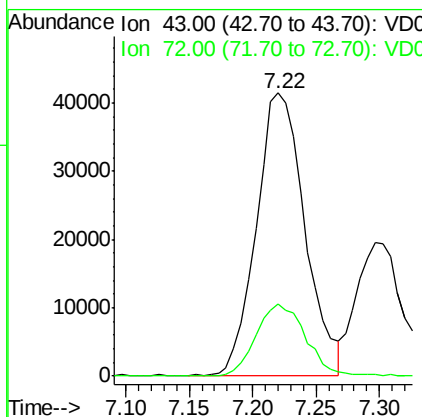
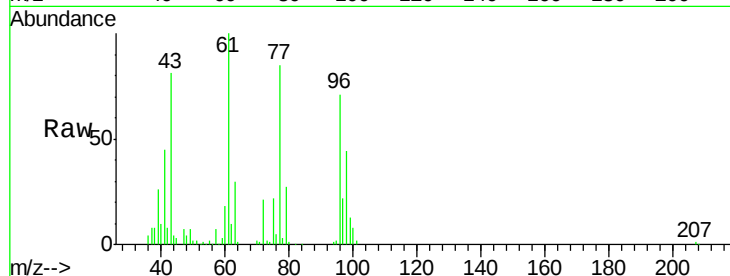
VD0302SBS01

Tgt Ion: 43 Resp: 110790

Ion Ratio Lower Upper

43 100

72 25.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.25 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065371.D

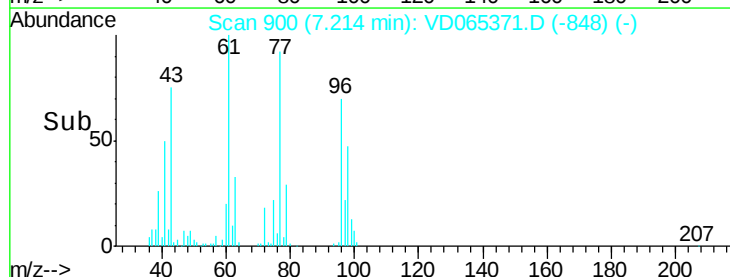
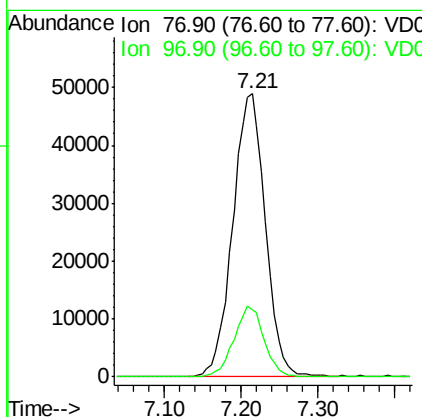
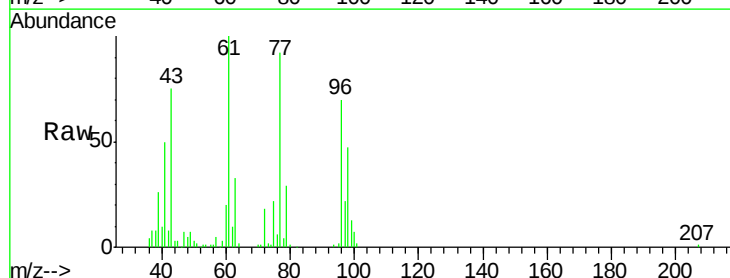
Acq: 02 Mar 2020 11:19

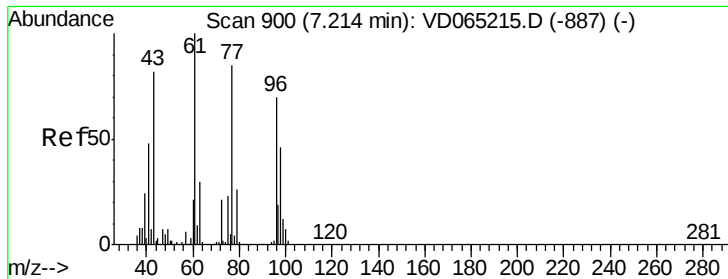
Tgt Ion: 77 Resp: 144525

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1



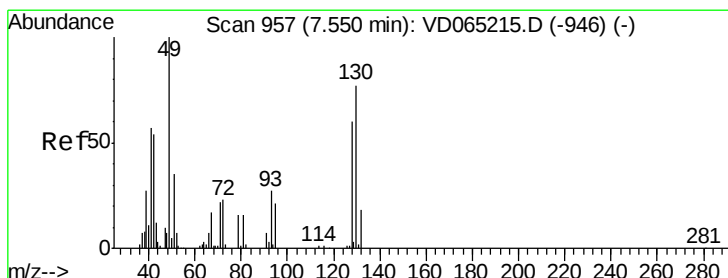
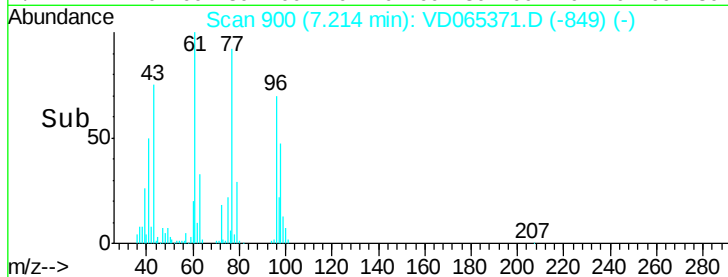
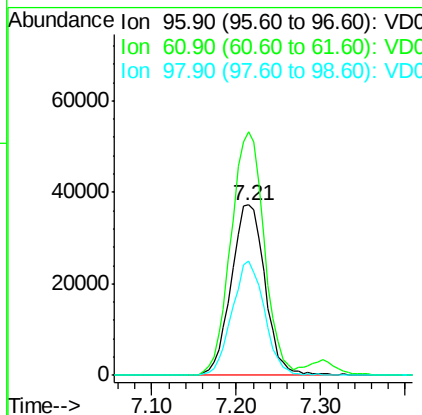
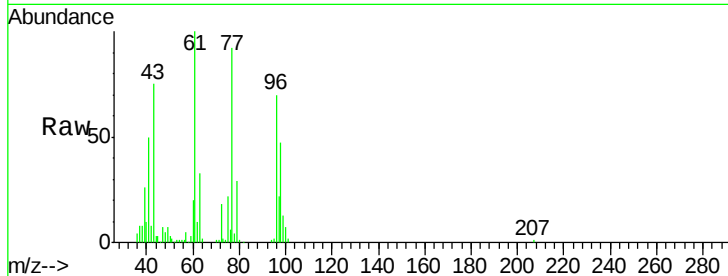


#27

cis-1,2-Dichloroethene
 Concen: 20.16 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

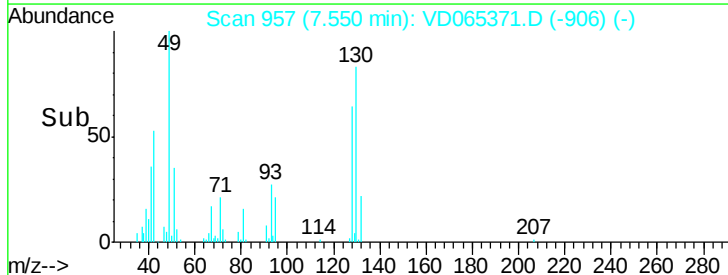
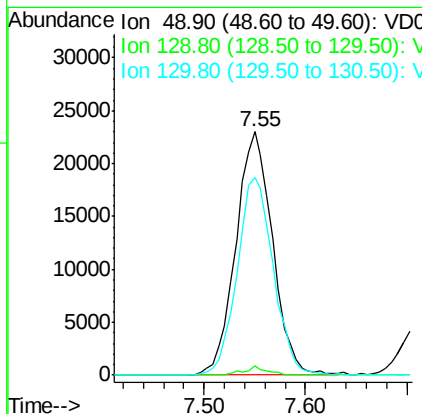
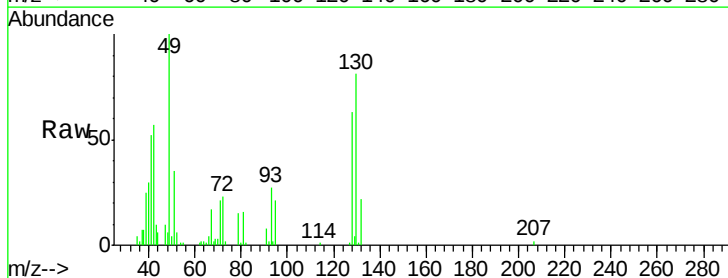
Tgt Ion: 96 Resp: 102870
 Ion Ratio Lower Upper
 96 100
 61 140.4 0.0 286.0
 98 64.5 0.0 127.8

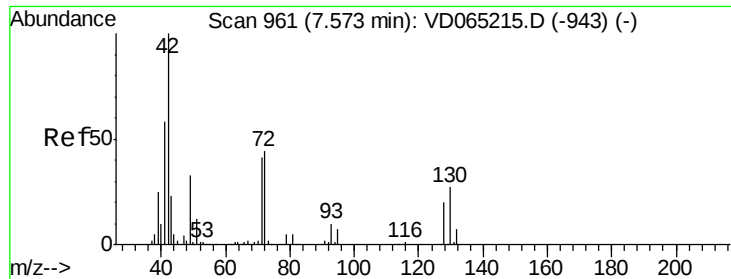


#28

Bromochloromethane
 Concen: 18.88 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 49 Resp: 57619
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.6
 130 80.1 64.7 97.1

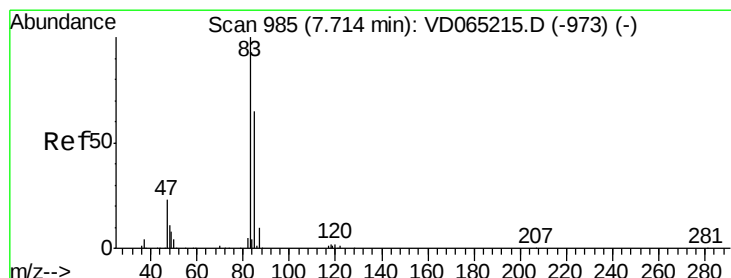
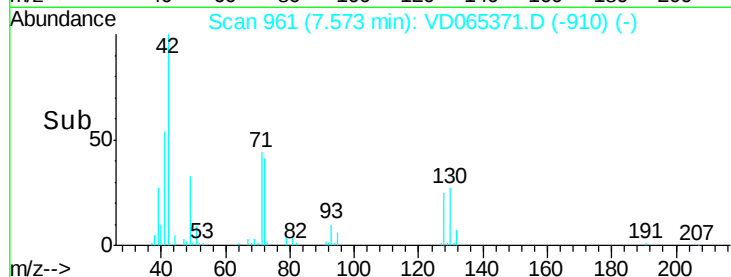
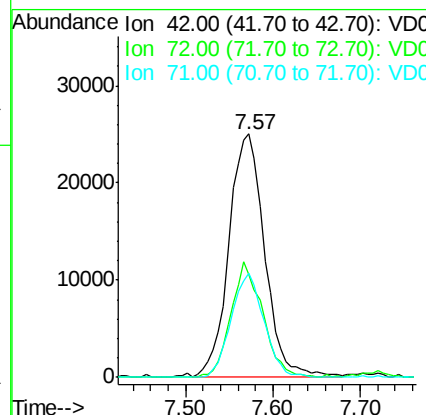
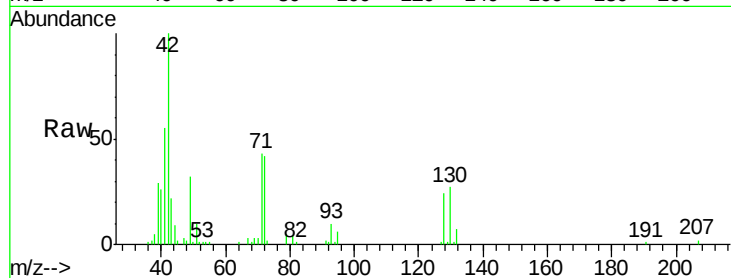




#29
Tetrahydrofuran
Concen: 93.68 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

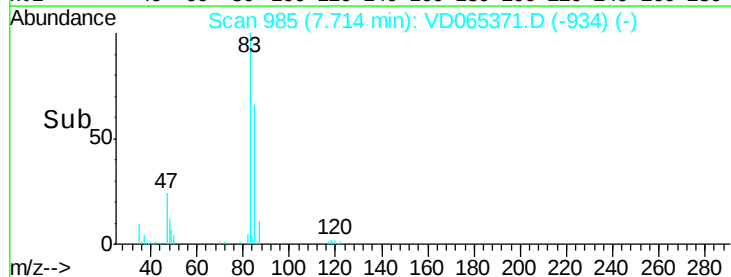
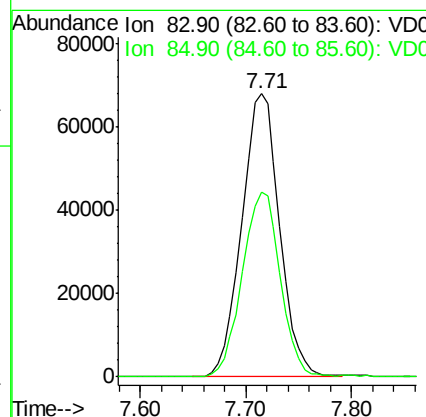
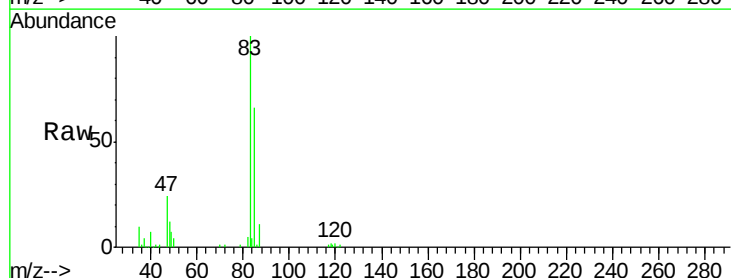
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

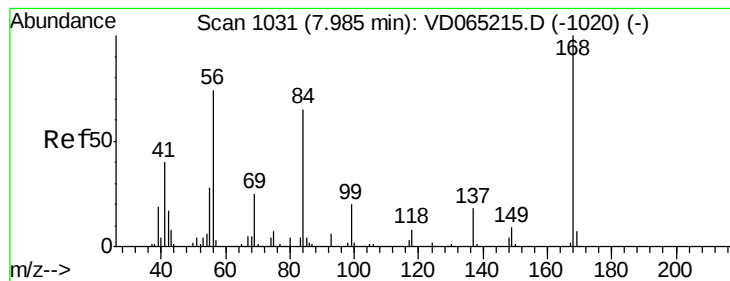
Tgt Ion: 42 Resp: 69789
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 39.3 31.4 47.2



#30
Chloroform
Concen: 20.35 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 83 Resp: 168701
Ion Ratio Lower Upper
83 100
85 65.5 52.3 78.5





#31

Cyclohexane

Concen: 19.18 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

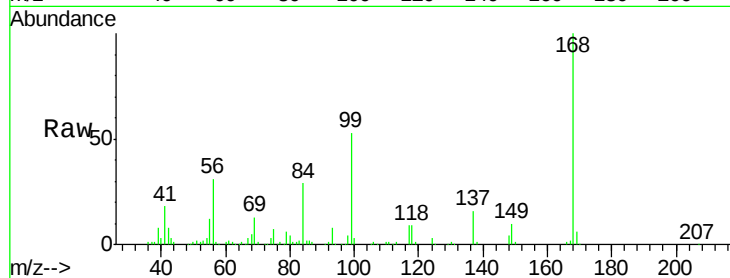
Tgt Ion: 56 Resp: 155017

Ion Ratio Lower Upper

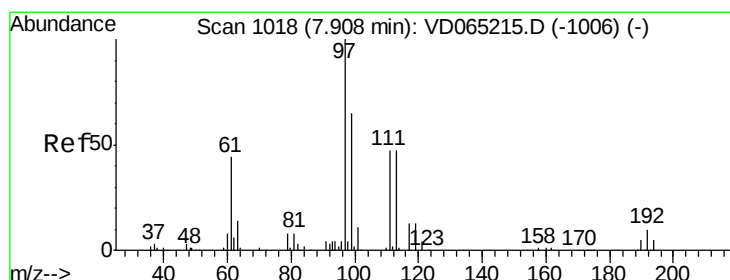
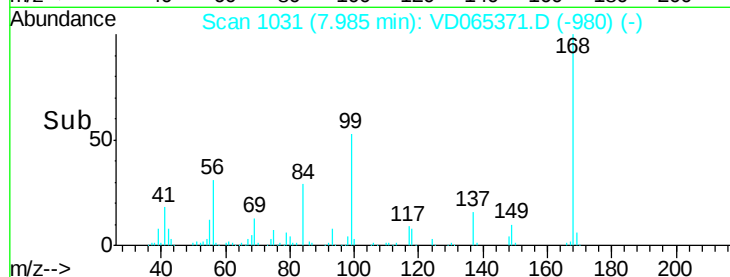
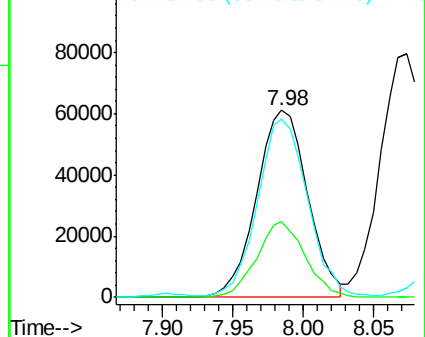
56 100

69 40.9 27.4 41.0

84 94.0 71.1 106.7



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: 21.09 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

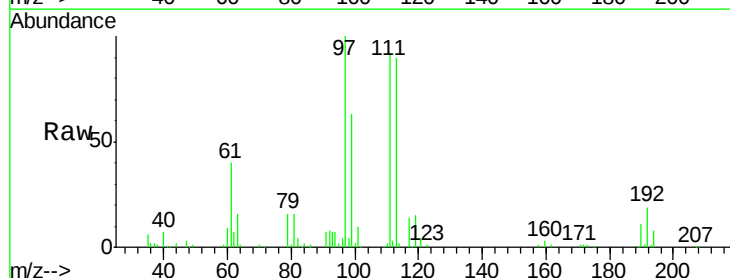
Tgt Ion: 97 Resp: 156419

Ion Ratio Lower Upper

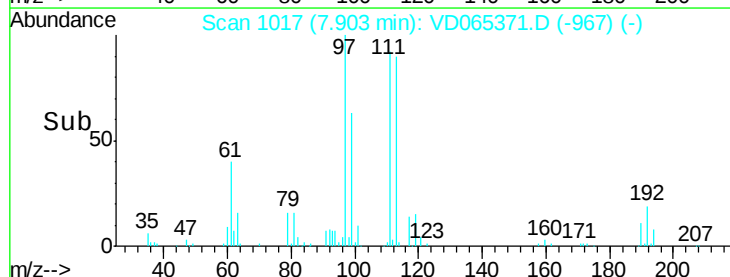
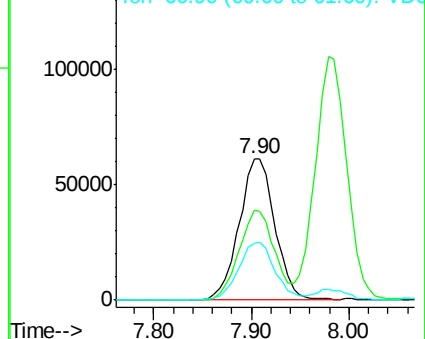
97 100

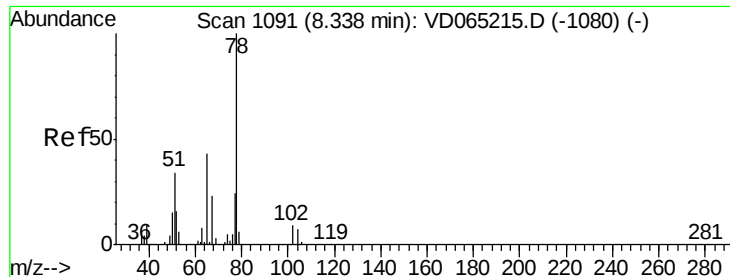
99 64.1 51.4 77.2

61 41.8 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.49 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

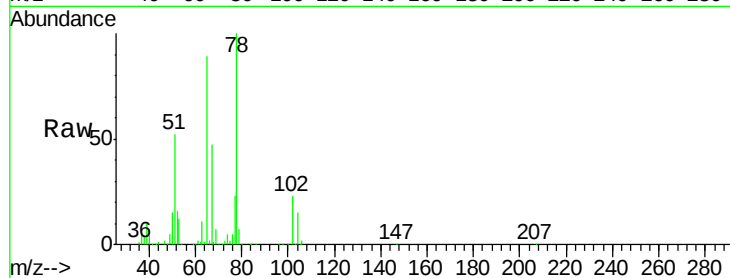
VD0302SBS01

Tgt Ion: 65 Resp: 207556

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

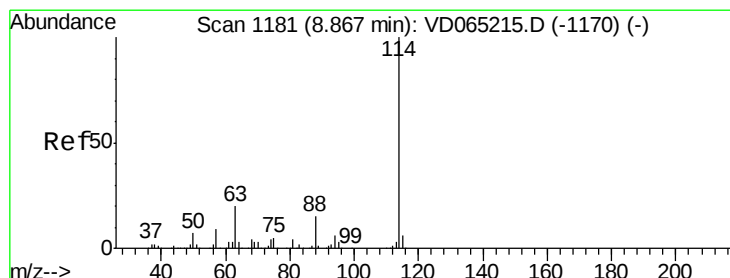
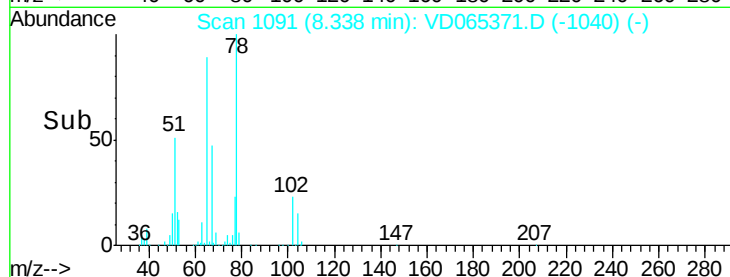
60000

40000

20000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

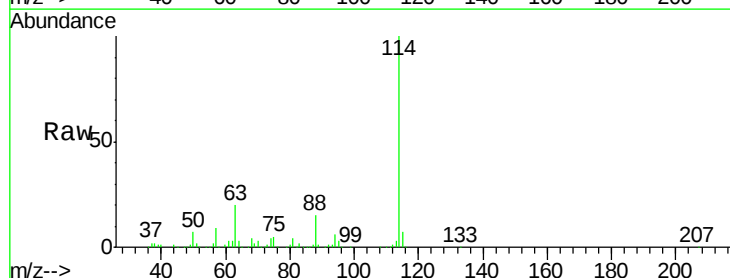
Tgt Ion: 114 Resp: 671555

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

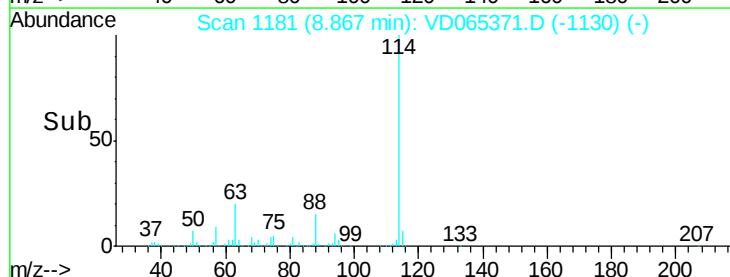
300000

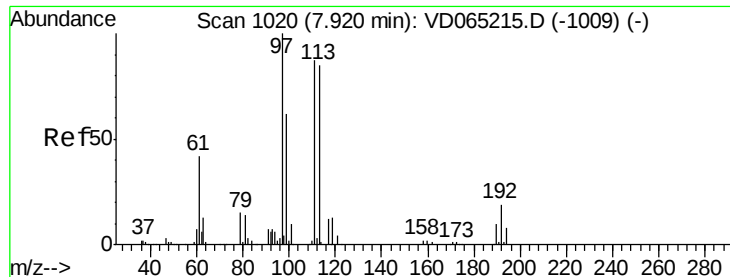
200000

100000

0

Time--> 8.80 8.90 9.00

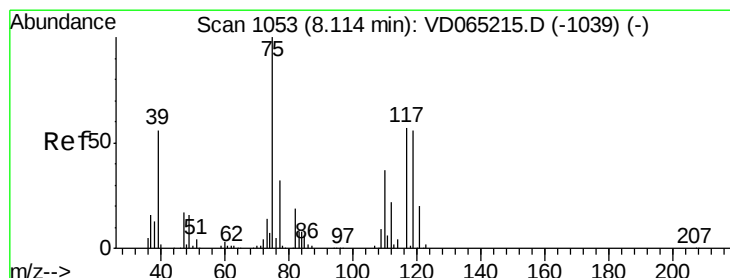
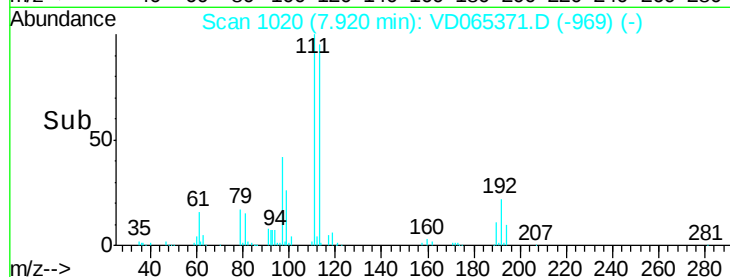
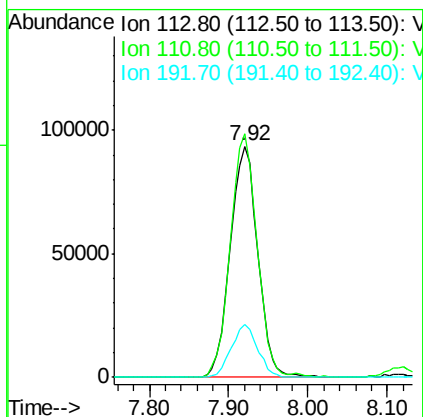
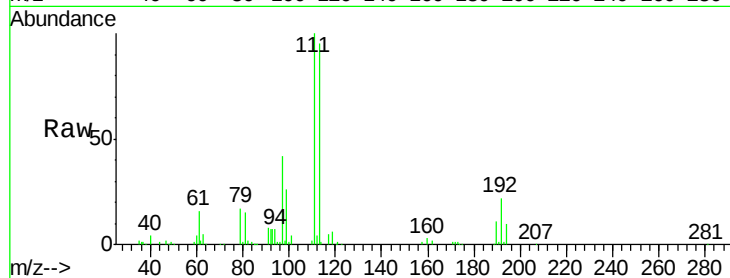




#35
 Dibromofluoromethane
 Concen: 55.07 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

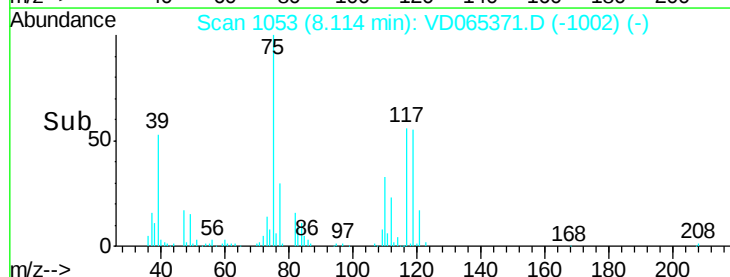
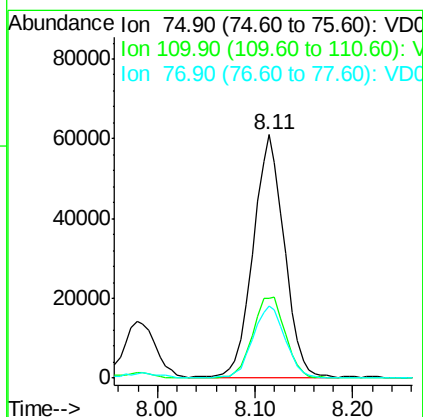
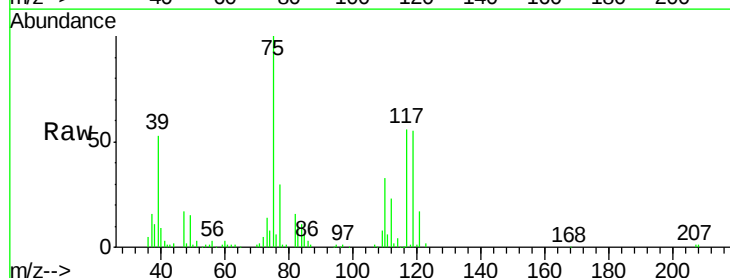
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

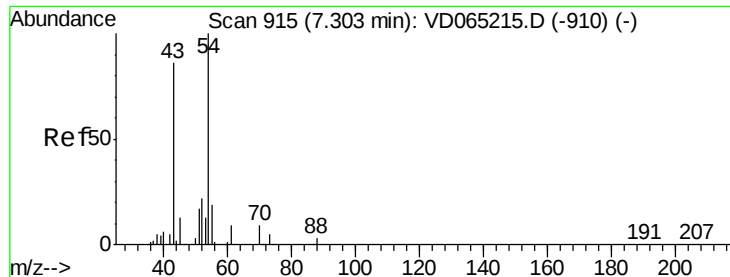
Tgt Ion: 113 Resp: 225513
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 21.9 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 20.88 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 75 Resp: 136426
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.9 53.7
 77 31.1 25.1 37.7





#37

Ethyl Acetate

Concen: 18.57 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

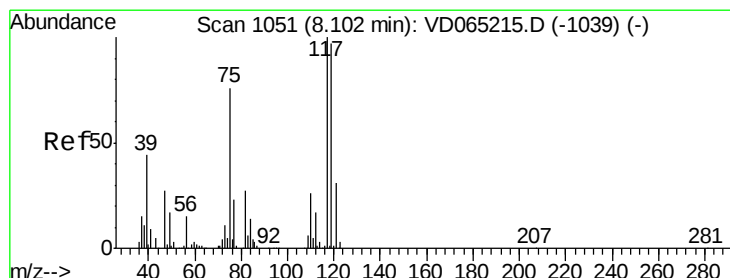
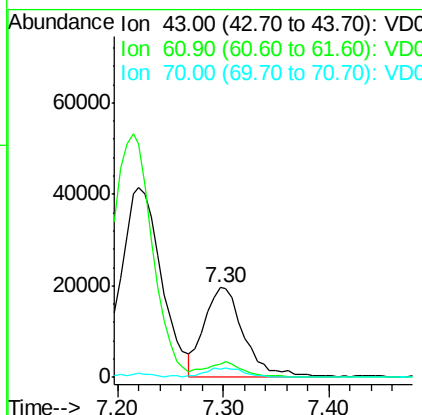
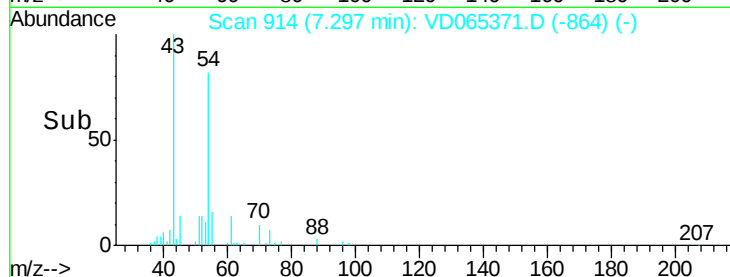
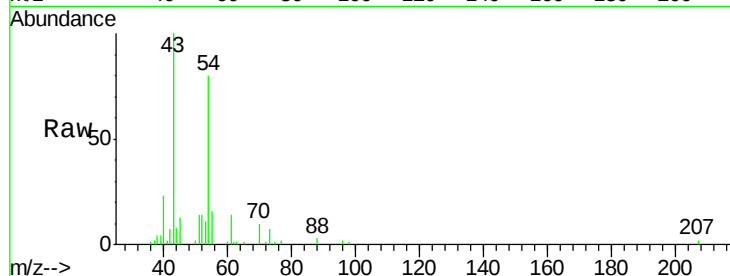
Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tgt Ion: 43 Resp: 50737

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.2	16.8
70	10.2	8.2	12.2



#38

Carbon Tetrachloride

Concen: 21.39 ug/l

RT: 8.10 min Scan# 1050

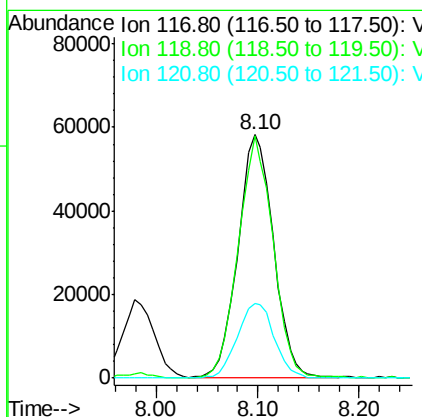
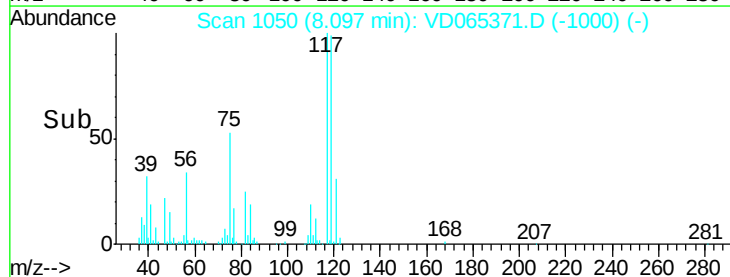
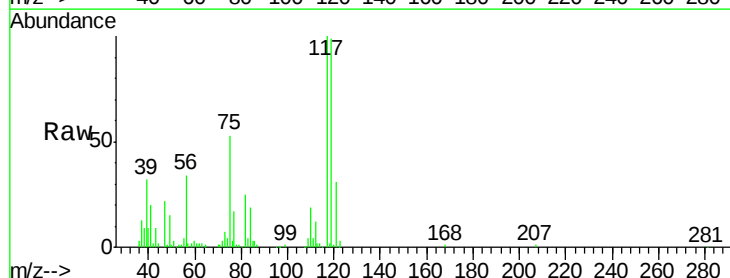
Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion: 117 Resp: 142281

Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.6	116.4
121	30.6	24.8	37.2

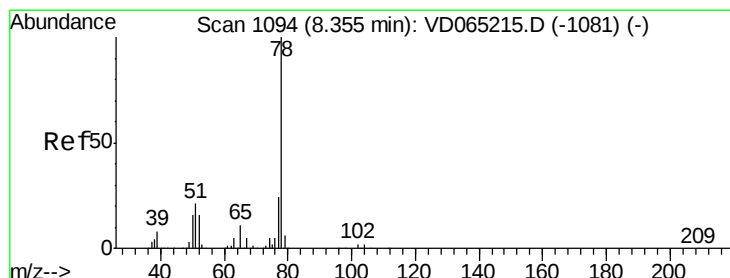
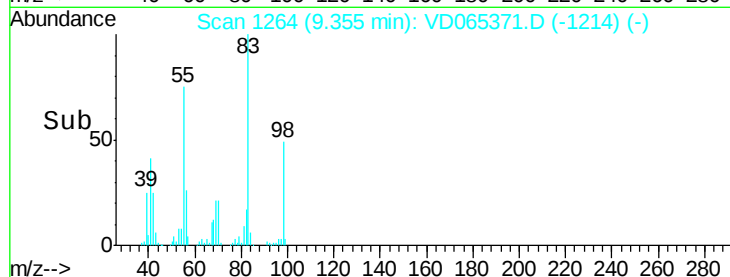
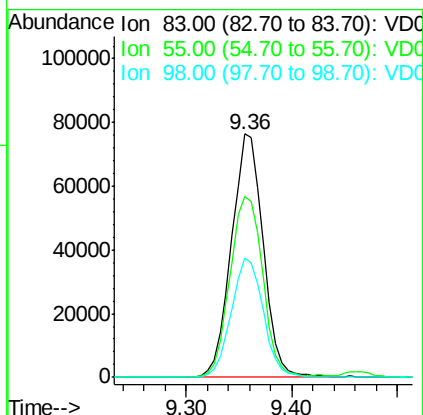
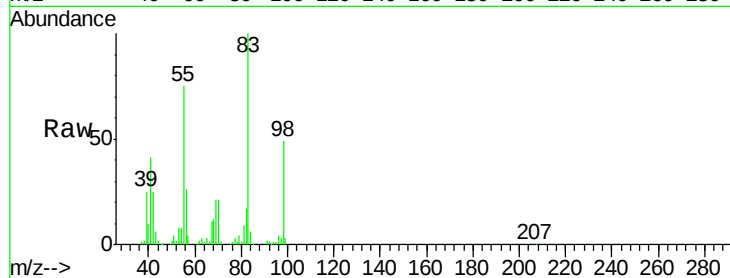




#39
Methylcyclohexane
Concen: 20.68 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

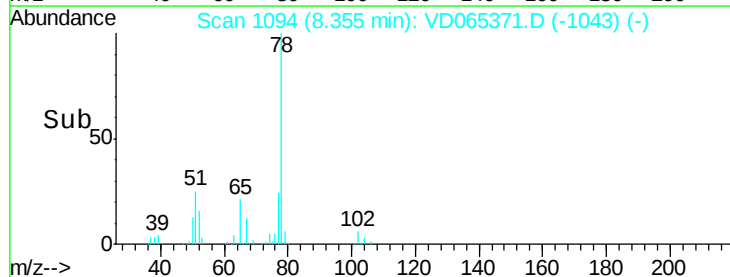
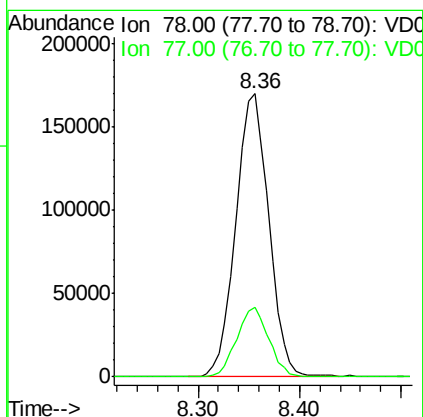
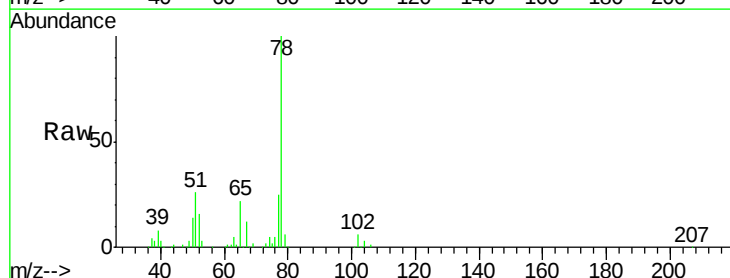
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

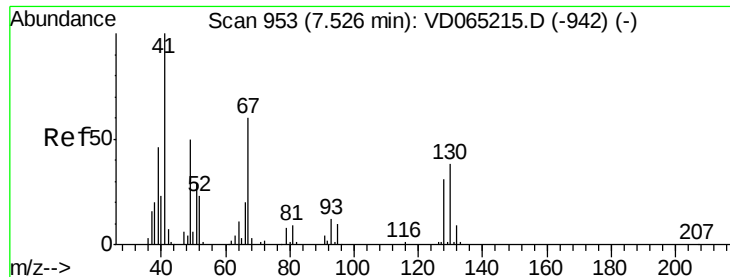
Tgt Ion: 83 Resp: 158852
Ion Ratio Lower Upper
83 100
55 74.5 61.8 92.6
98 49.1 39.4 59.0



#40
Benzene
Concen: 20.93 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 78 Resp: 386081
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

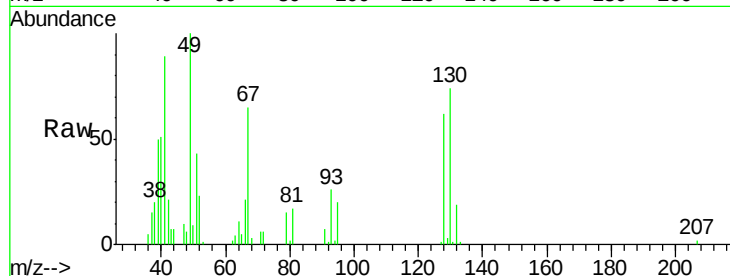




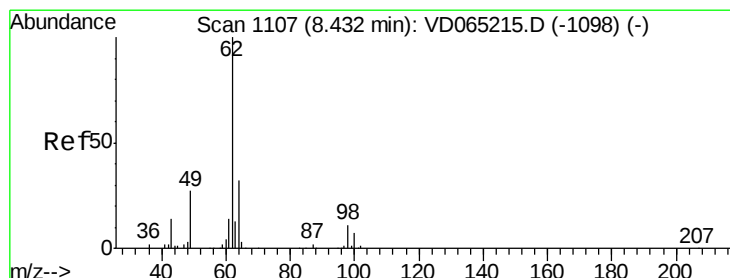
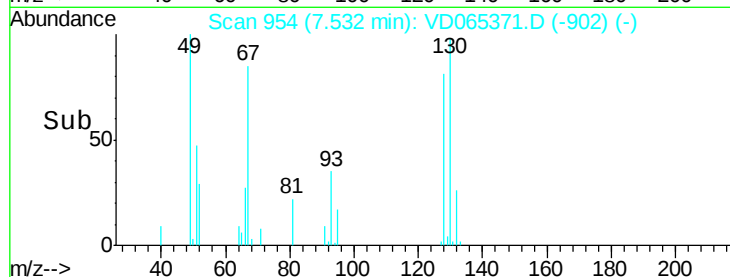
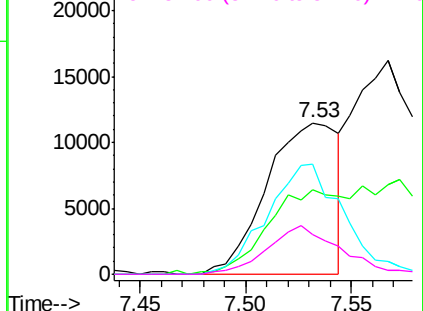
#41
Methacrylonitrile
Concen: 17.22 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tgt Ion:	41	Resp:	27167
Ion	Ratio	Lower	Upper
41	100		
39	62.0	48.1	72.1
67	77.2	58.9	88.3
52	33.5	24.2	36.2

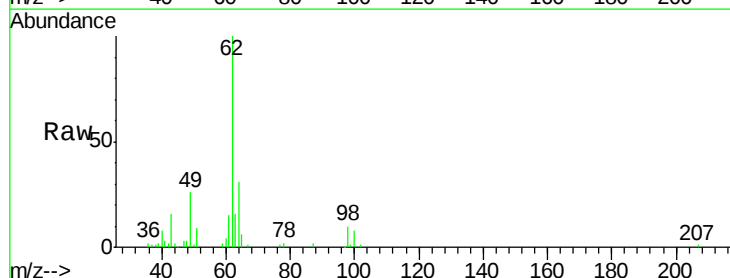


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

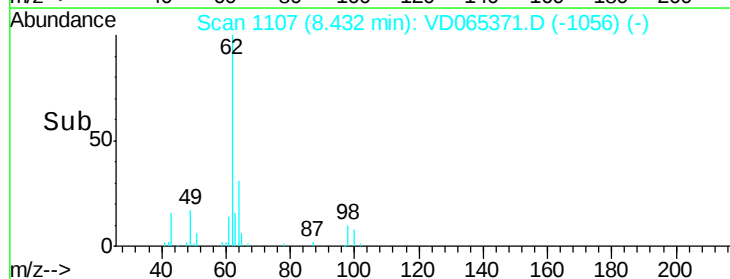
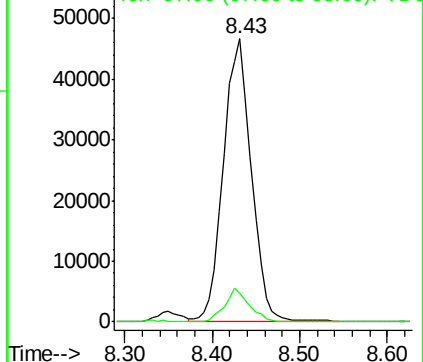


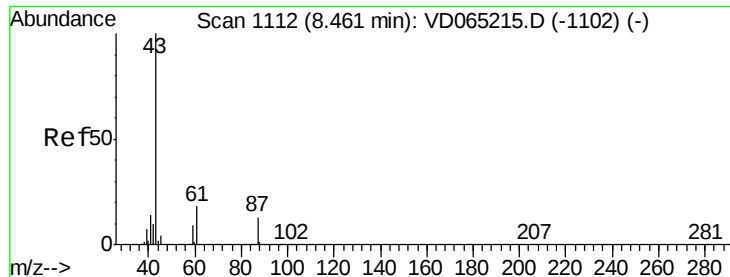
#42
1,2-Dichloroethane
Concen: 20.26 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion:	62	Resp:	102744
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.25 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

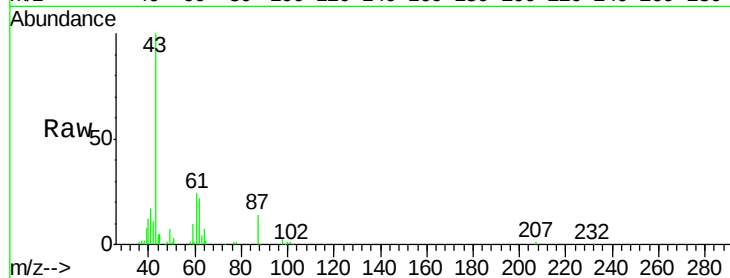
Tgt Ion: 43 Resp: 90677

Ion Ratio Lower Upper

43 100

61 33.6 24.6 36.8

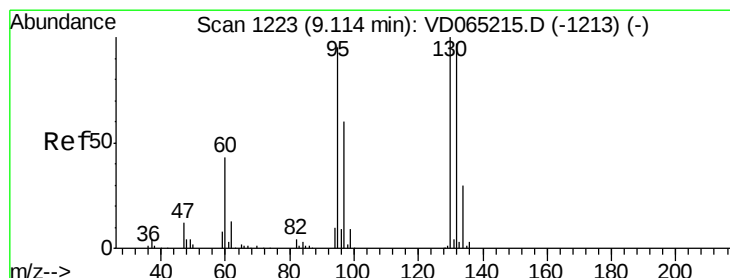
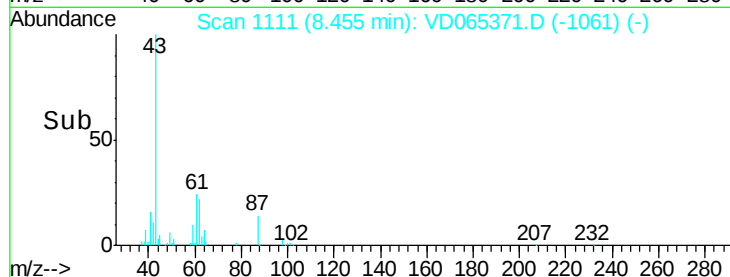
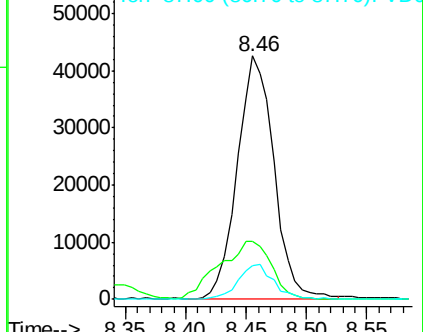
87 13.8 10.6 16.0



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: 21.13 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065371.D

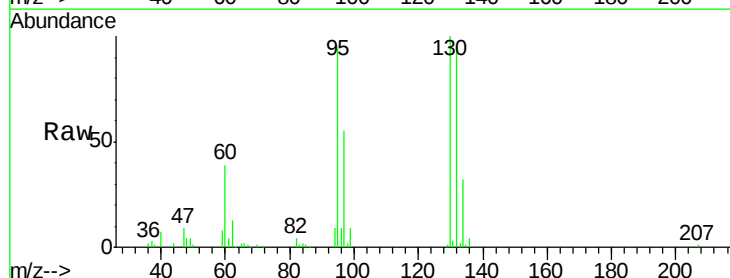
Acq: 02 Mar 2020 11:19

Tgt Ion:130 Resp: 108050

Ion Ratio Lower Upper

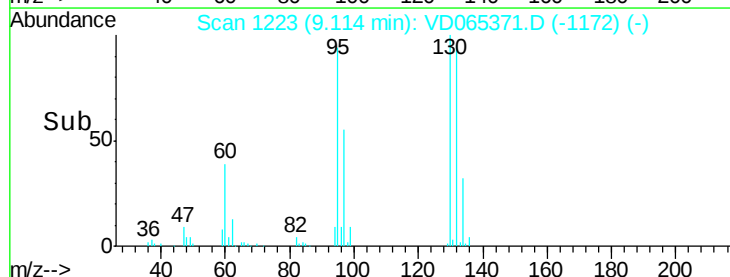
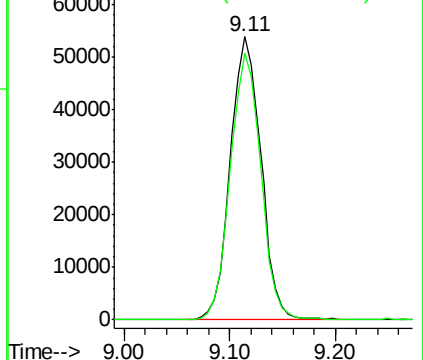
130 100

95 94.2 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

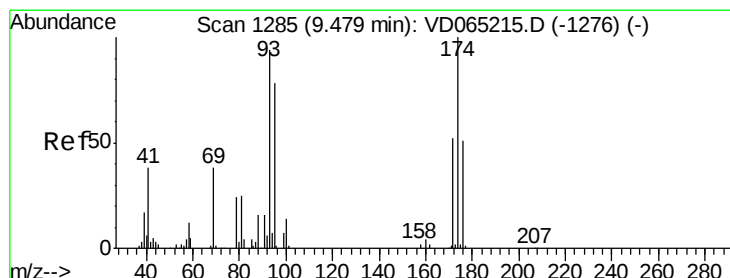
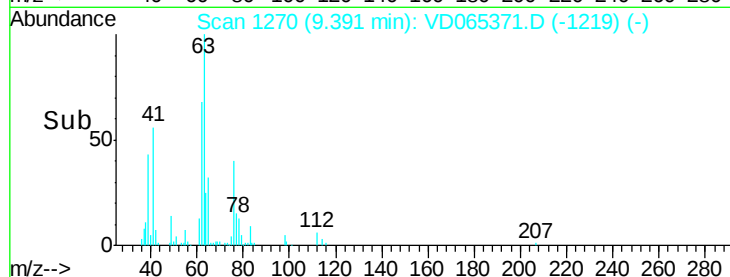
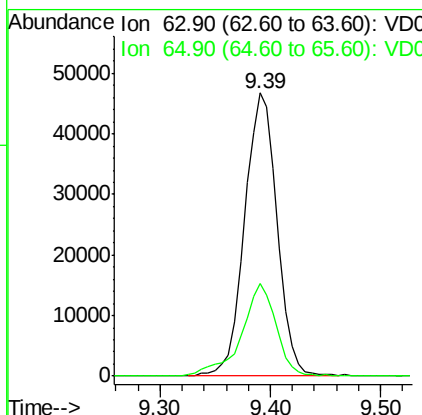
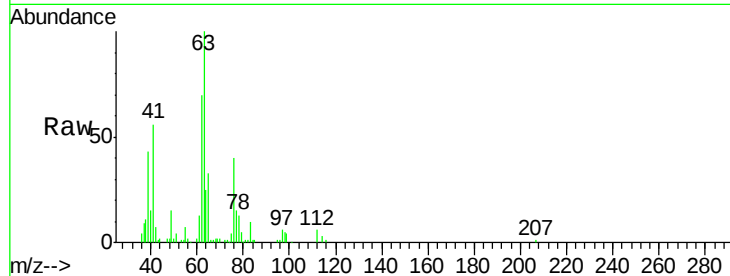




#45
 1,2-Dichloropropane
 Concen: 21.13 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

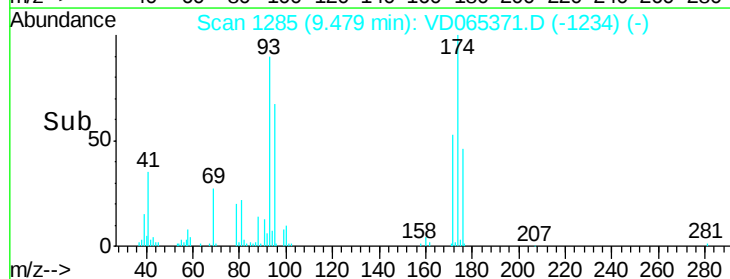
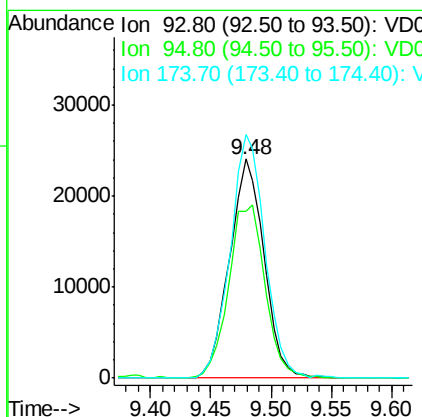
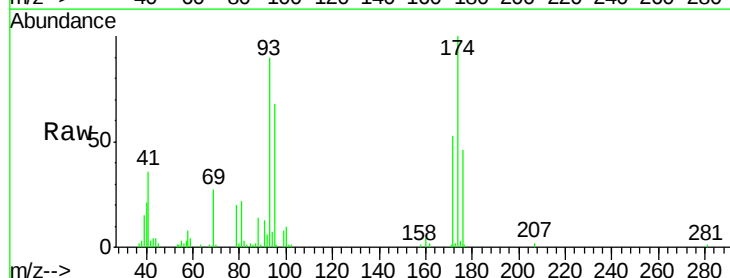
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

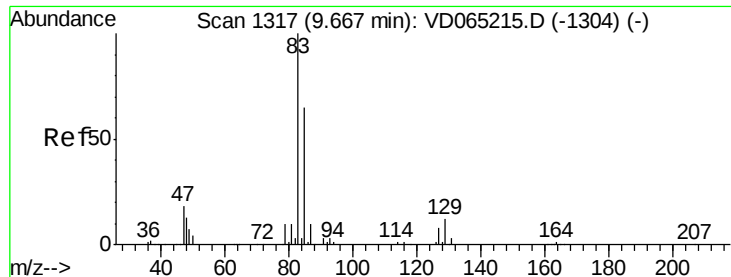
Tgt Ion: 63 Resp: 96907
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.9 37.3



#46
 Dibromomethane
 Concen: 20.36 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 93 Resp: 48041
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 110.9 86.8 130.2





#47

Bromodichloromethane

Concen: 20.48 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

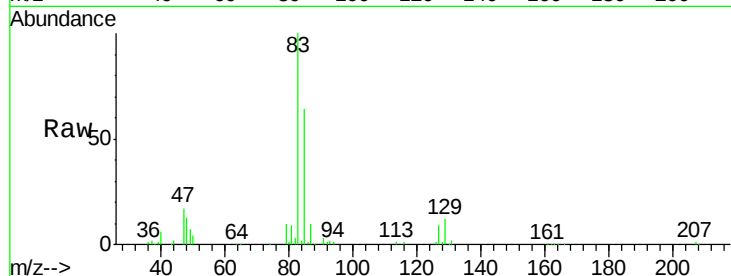
Tgt Ion: 83 Resp: 127371

Ion Ratio Lower Upper

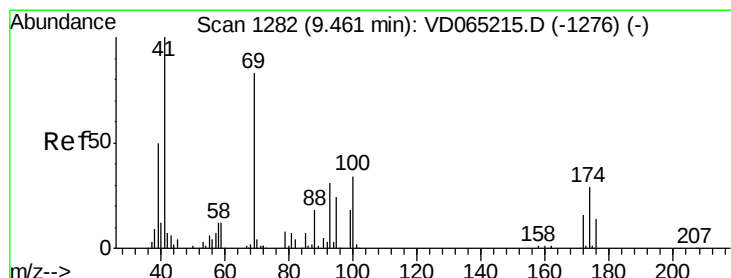
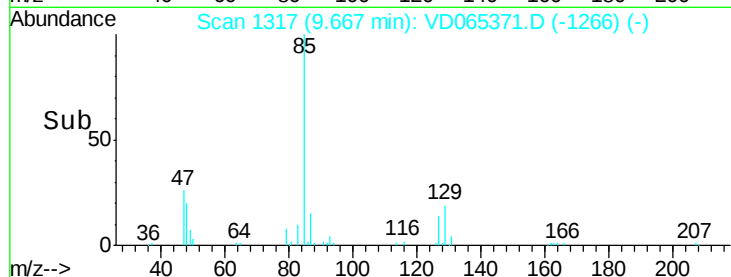
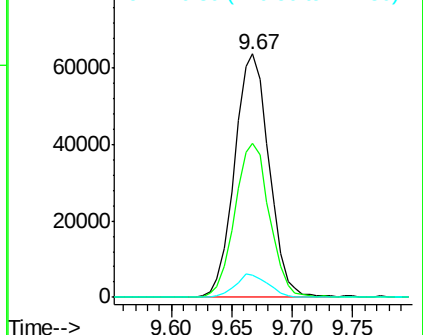
83 100

85 63.5 52.0 78.0

127 9.0 6.7 10.1



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: 18.43 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

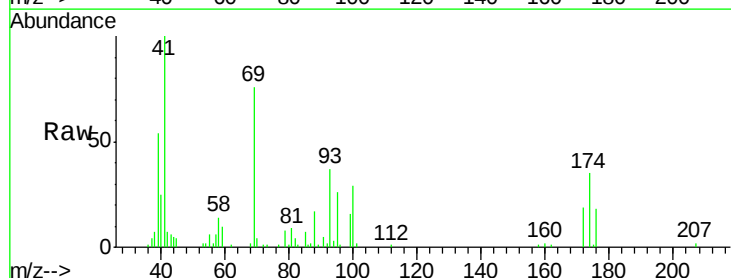
Tgt Ion: 41 Resp: 42307

Ion Ratio Lower Upper

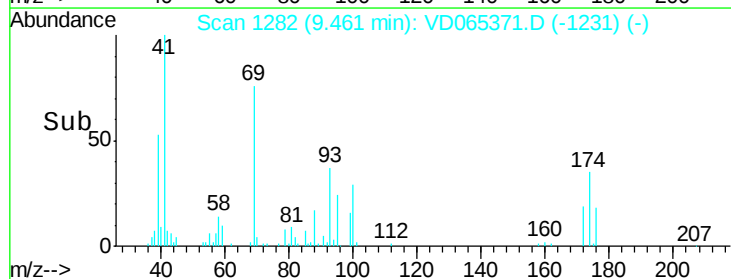
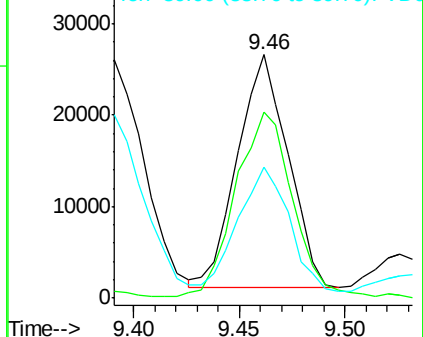
41 100

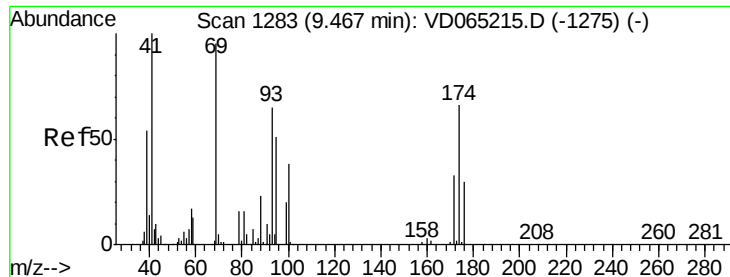
69 91.8 68.2 102.2

39 54.0 42.0 63.0



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: 394.97 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

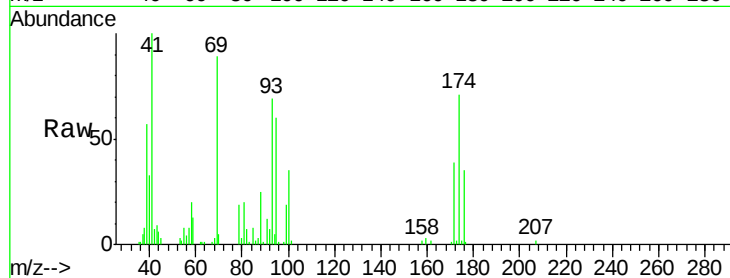
Tgt Ion: 88 Resp: 10931

Ion Ratio Lower Upper

88 100

43 36.3 28.5 42.7

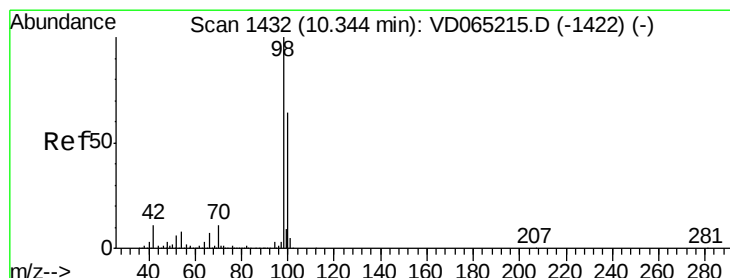
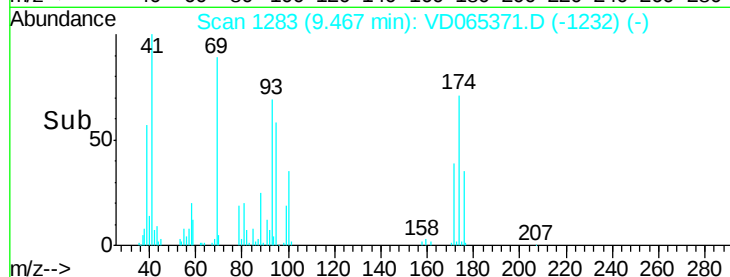
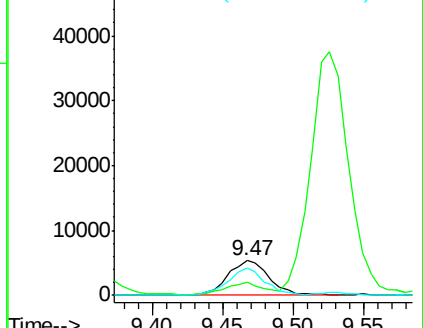
58 70.7 58.6 87.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 56.61 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065371.D

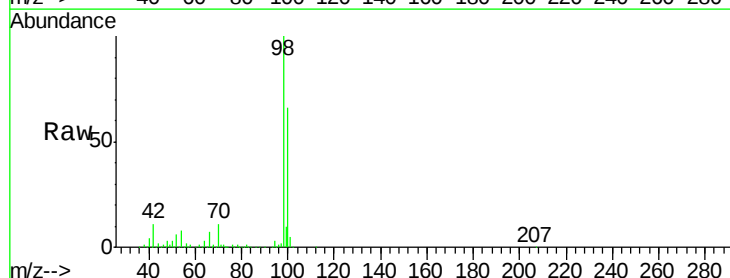
Acq: 02 Mar 2020 11:19

Tgt Ion: 98 Resp: 886188

Ion Ratio Lower Upper

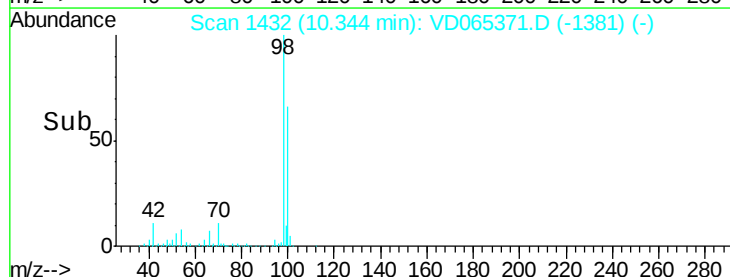
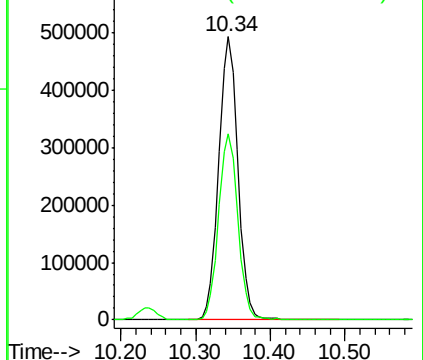
98 100

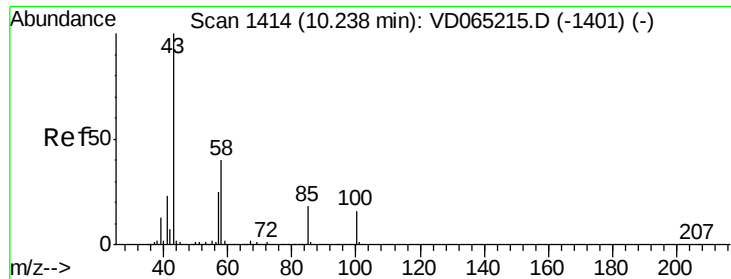
100 65.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

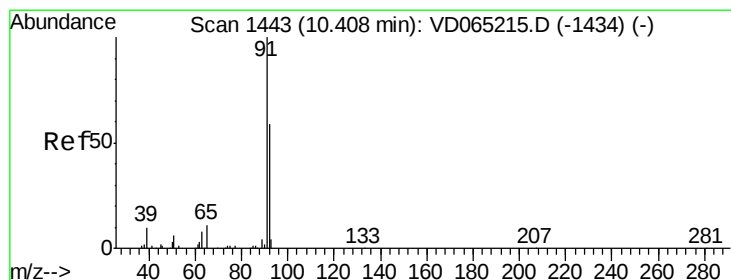
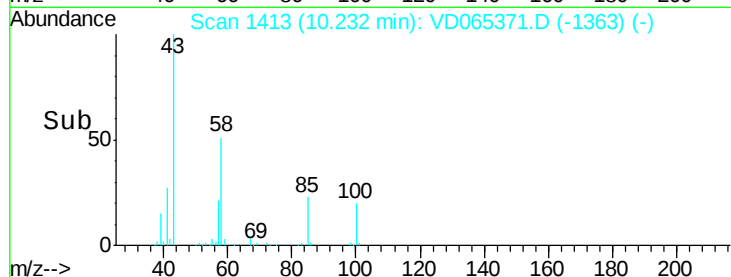
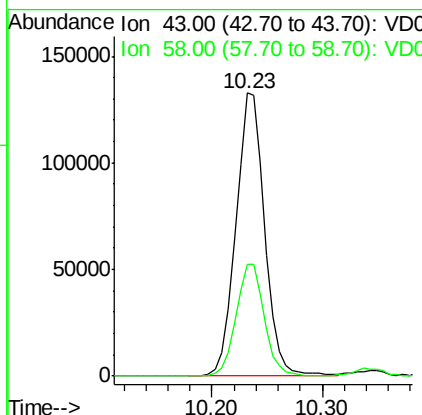
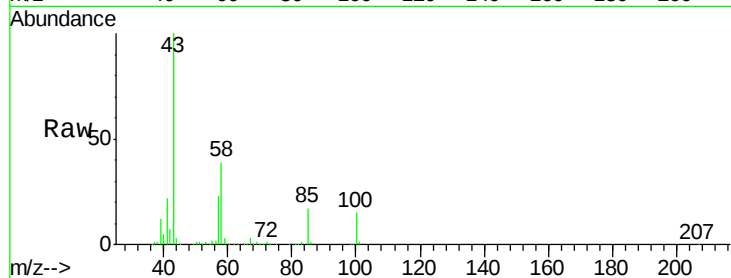




#51
 4-Methyl-2-Pentanone
 Concen: 96.02 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

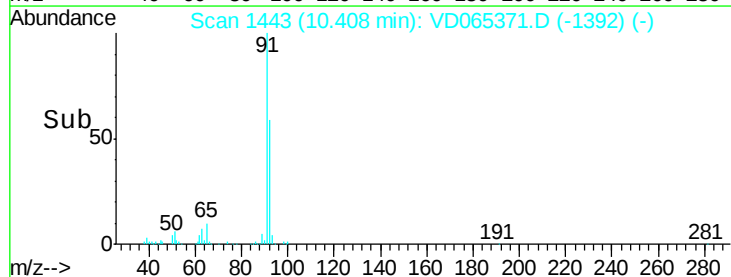
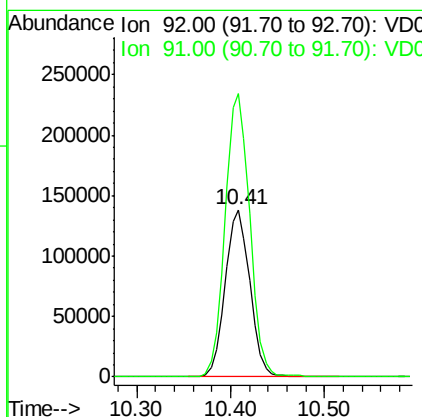
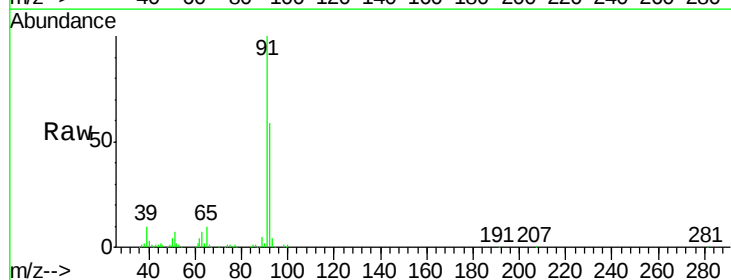
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

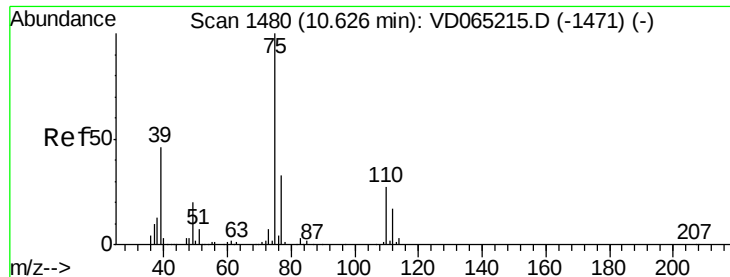
Tgt Ion: 43 Resp: 242248
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.1 46.7



#52
 Toluene
 Concen: 22.12 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 92 Resp: 252527
 Ion Ratio Lower Upper
 92 100
 91 168.4 136.3 204.5

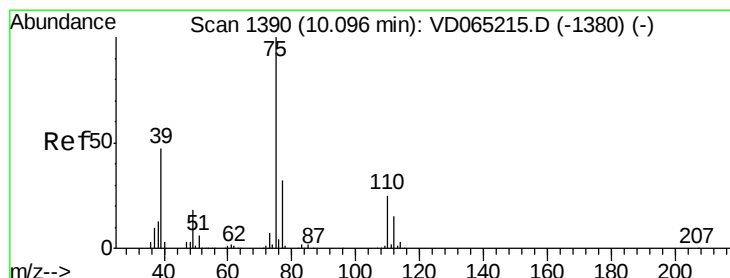
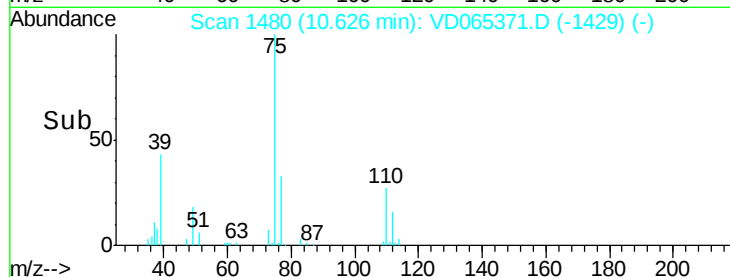
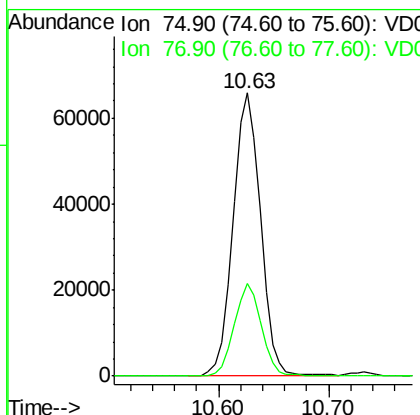
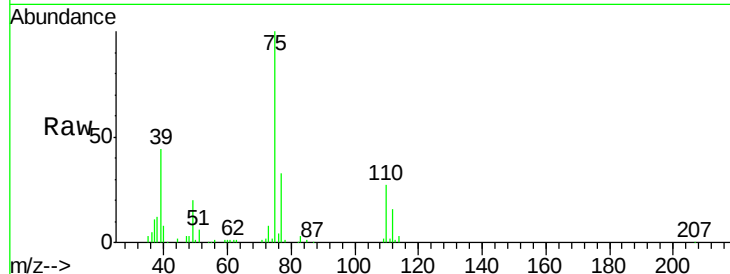




#53
t-1,3-Dichloropropene
Concen: 20.07 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

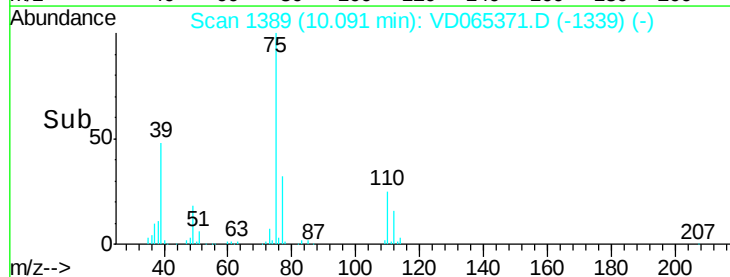
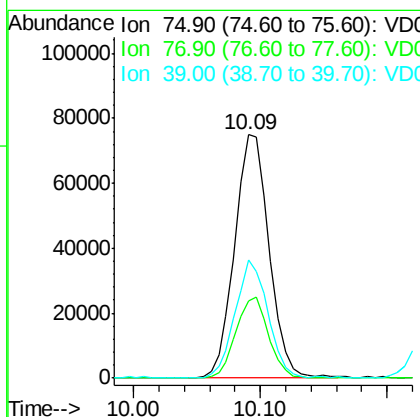
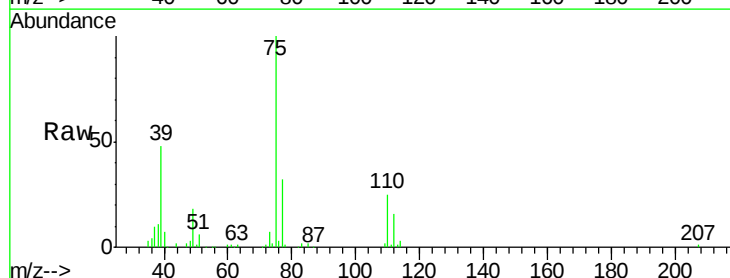
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

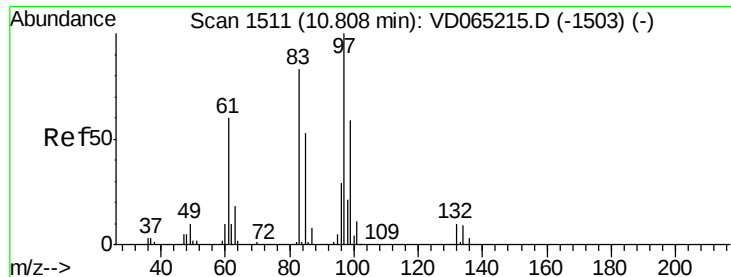
Tgt Ion: 75 Resp: 115691
Ion Ratio Lower Upper
75 100
77 32.9 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 20.35 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 75 Resp: 141625
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
39 48.4 37.3 55.9

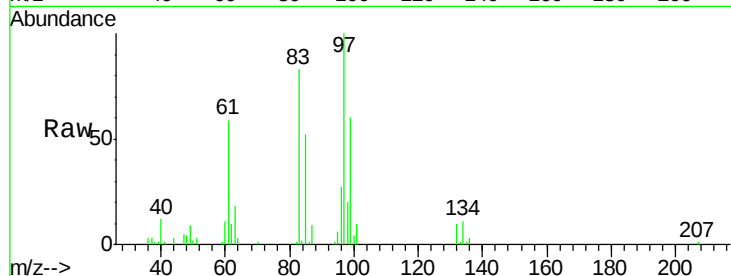




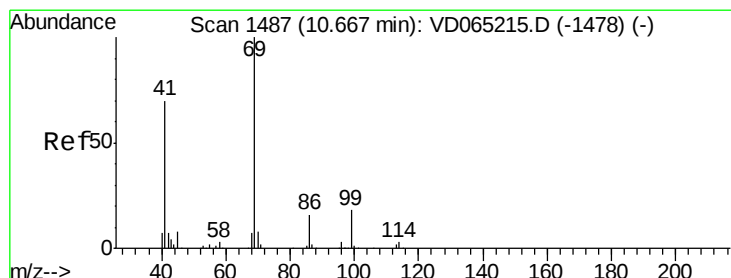
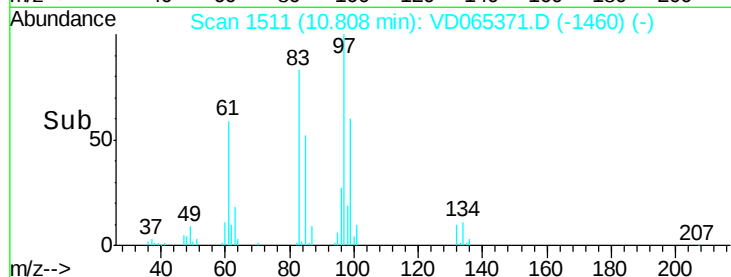
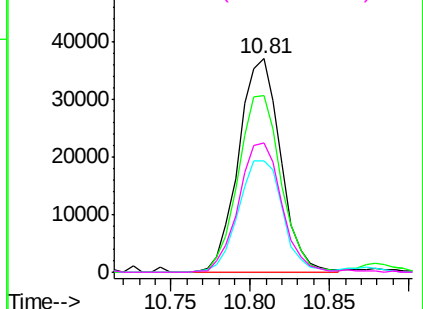
#55
 1,1,2-Trichloroethane
 Concen: 20.60 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tgt Ion:	97	Resp:	68424
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.7	100.1
85	52.2	42.4	63.6
99	60.4	47.5	71.3

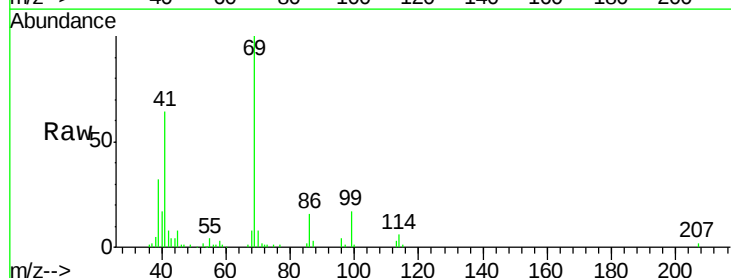


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

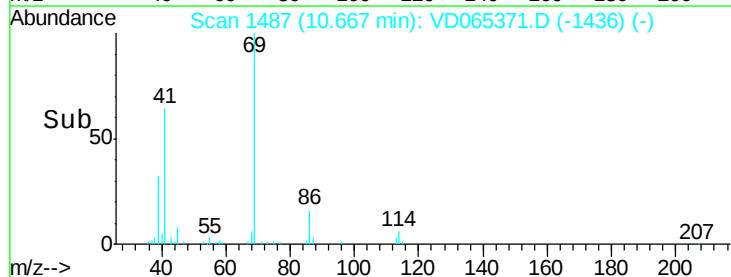
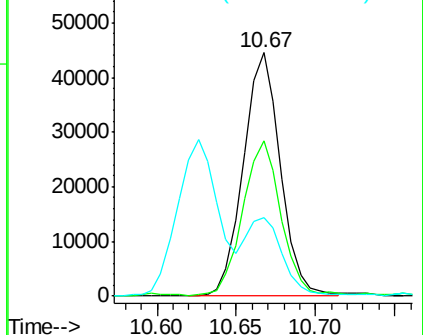


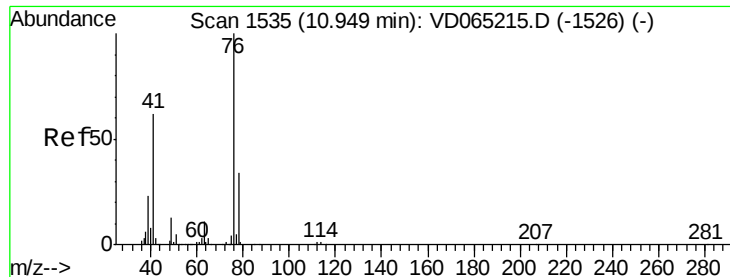
#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:	69	Resp:	72531
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	32.8	26.5	39.7



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

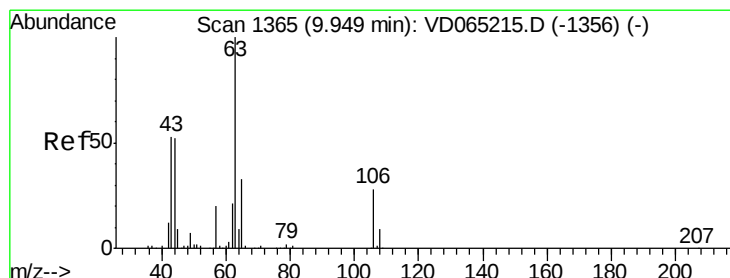
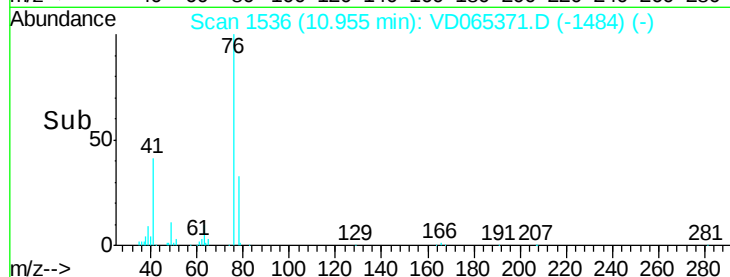
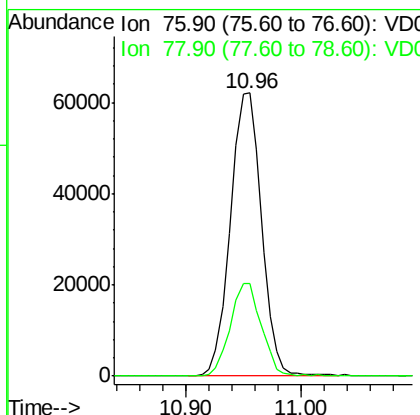
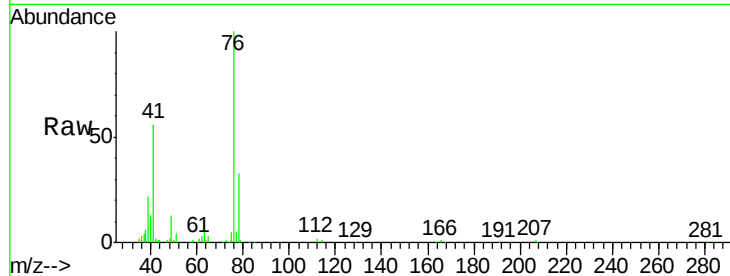




#57
 1,3-Dichloropropane
 Concen: 20.51 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

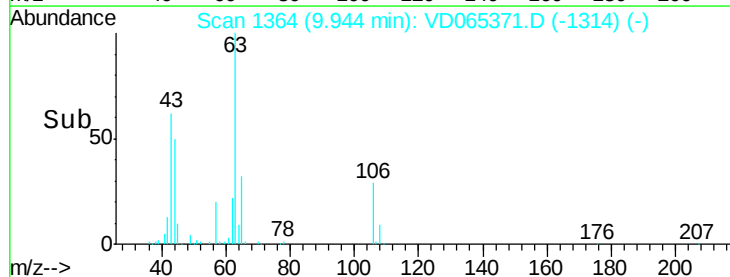
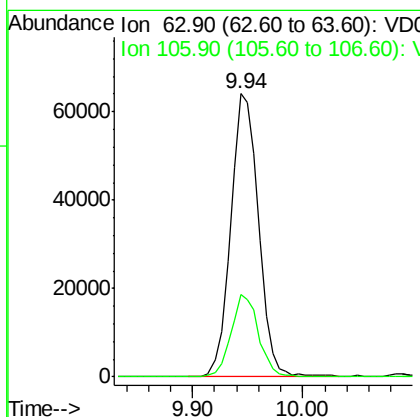
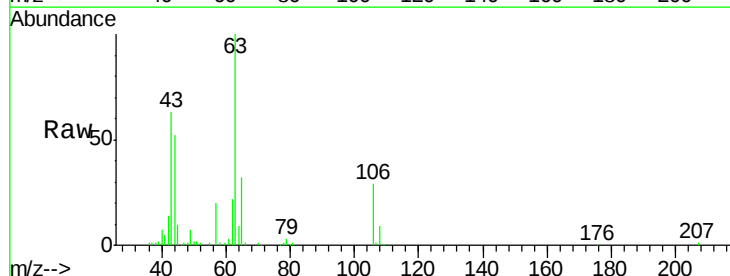
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

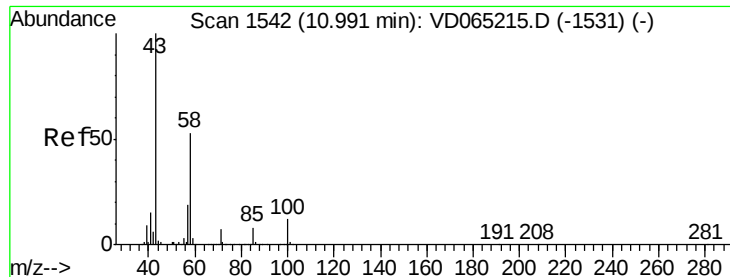
Tgt Ion: 76 Resp: 115924
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.79 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 63 Resp: 113352
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.8 34.2

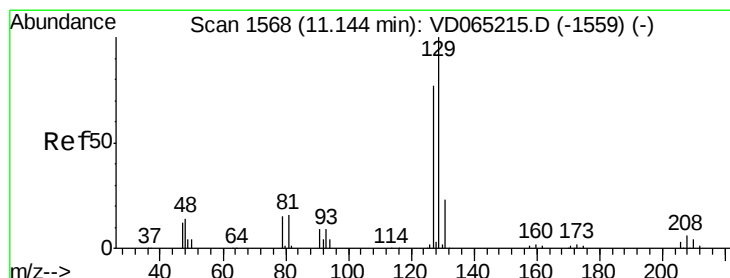
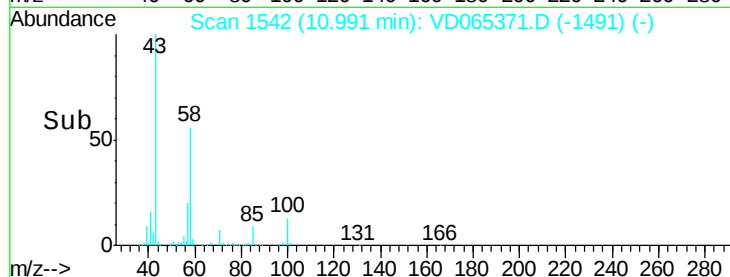
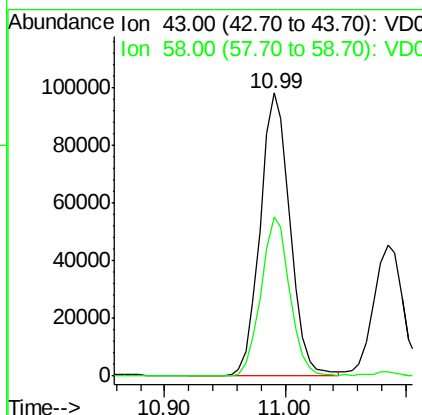
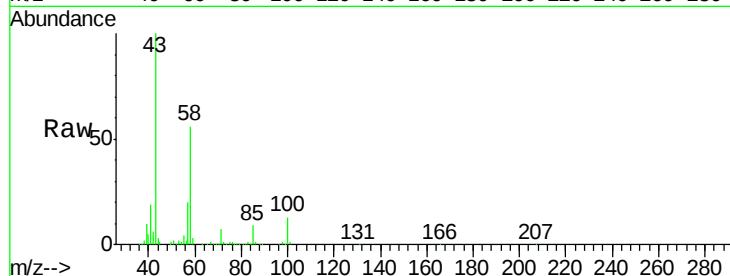




#59
2-Hexanone
Concen: 92.94 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

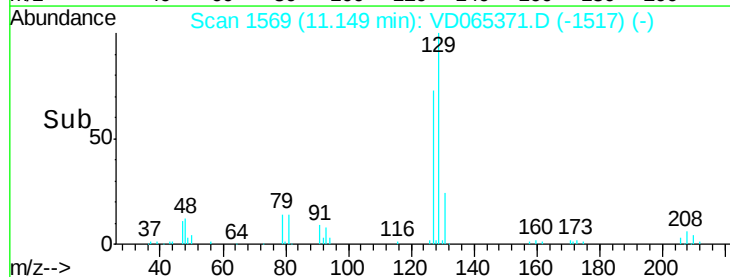
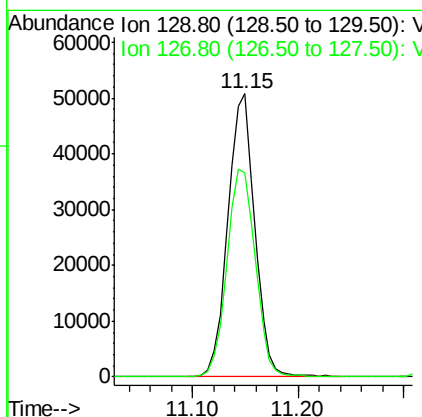
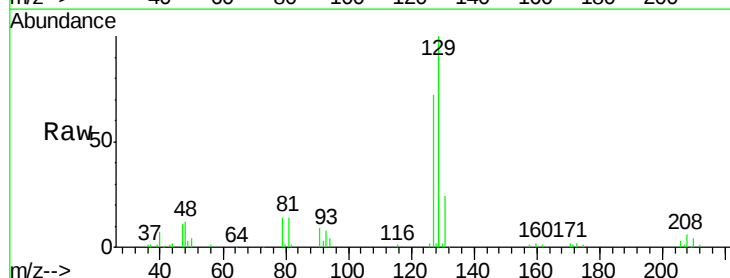
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

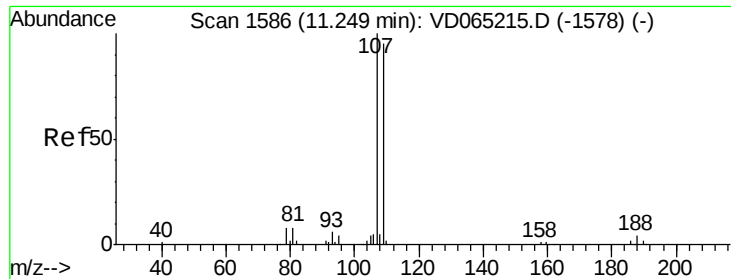
Tgt Ion: 43 Resp: 167851
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.8



#60
Dibromochloromethane
Concen: 20.96 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 129 Resp: 89109
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1

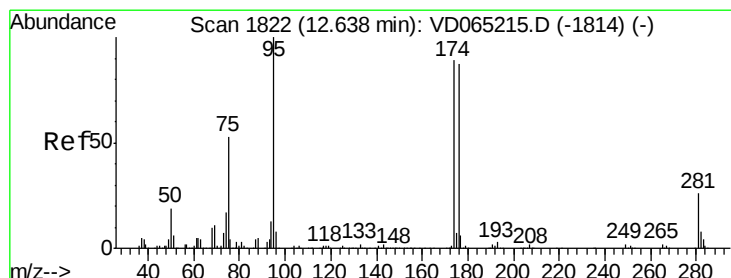
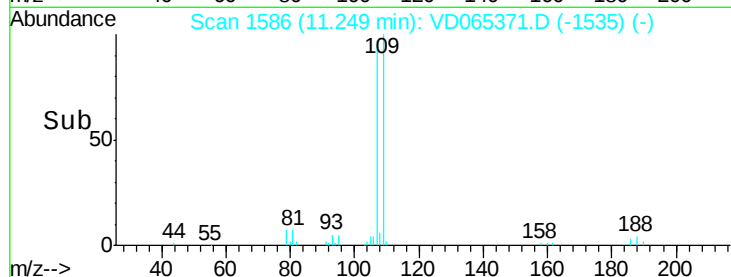
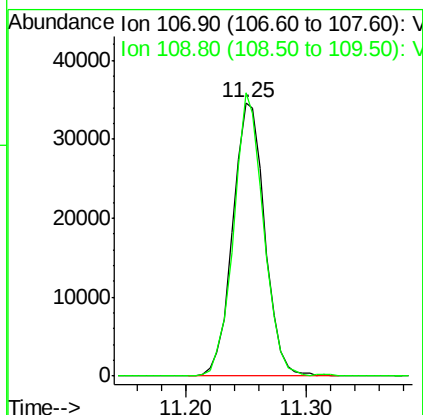
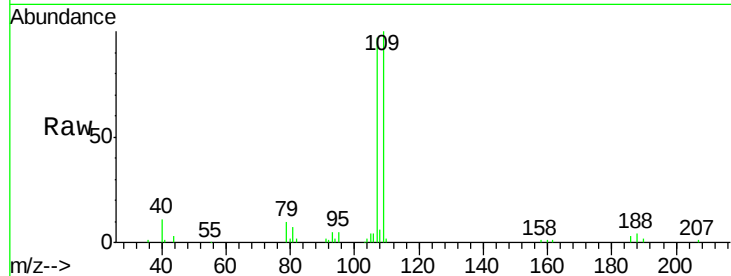




#61
 1,2-Dibromoethane
 Concen: 20.34 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

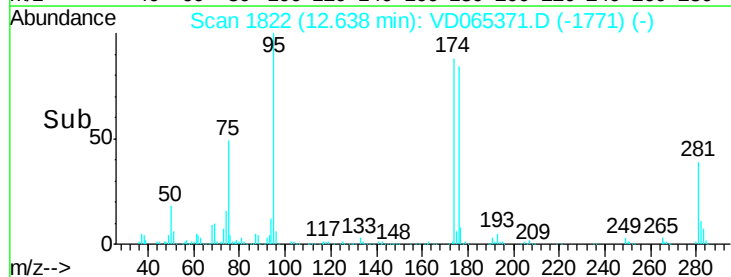
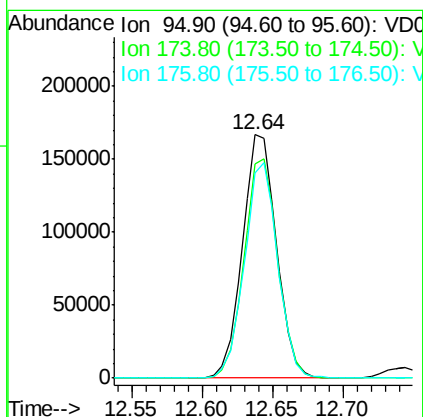
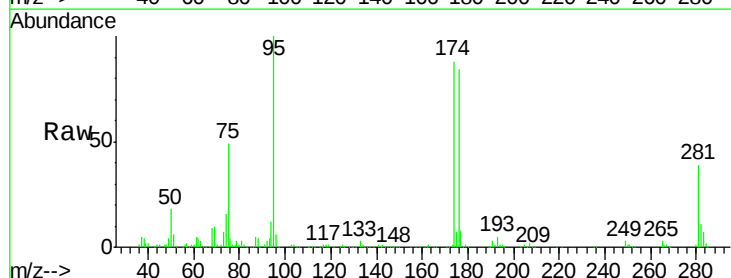
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

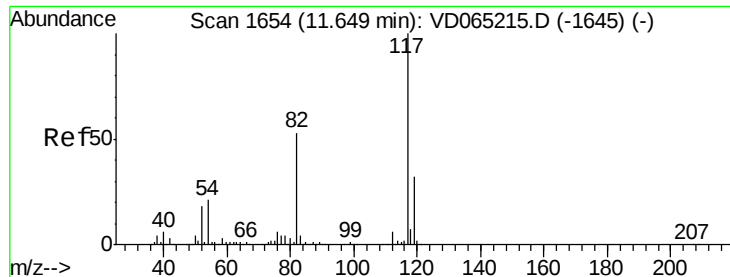
Tgt Ion: 107 Resp: 63967
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 56.87 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion: 95 Resp: 282000
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.0
 176 86.4 0.0 174.4

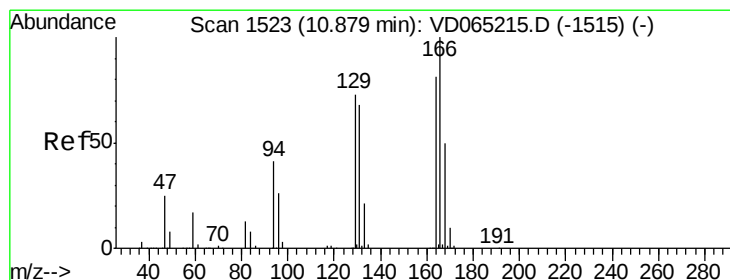
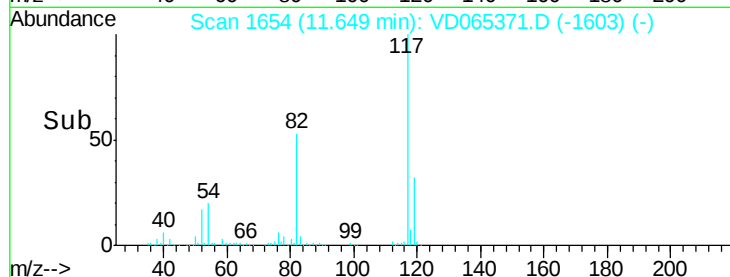
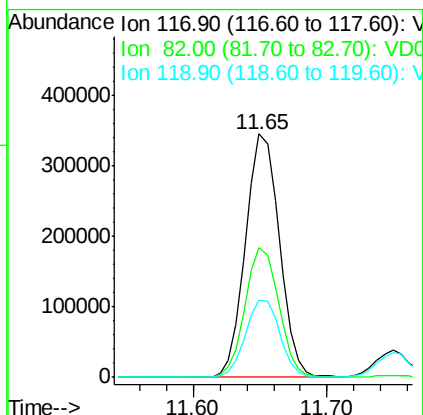
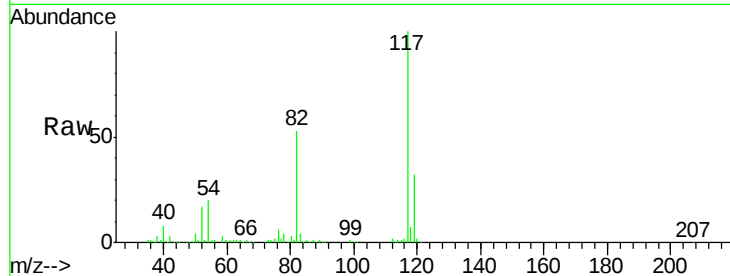




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

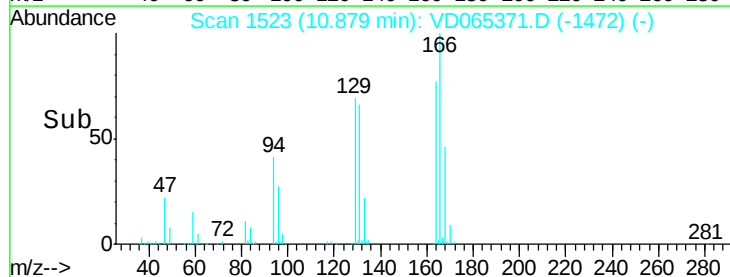
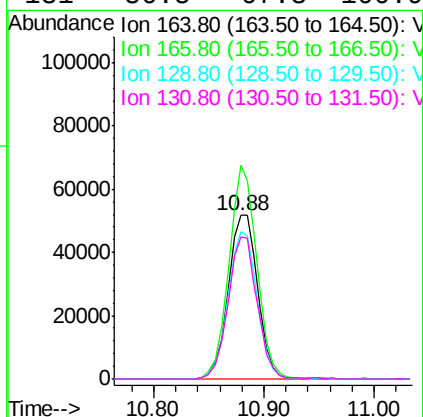
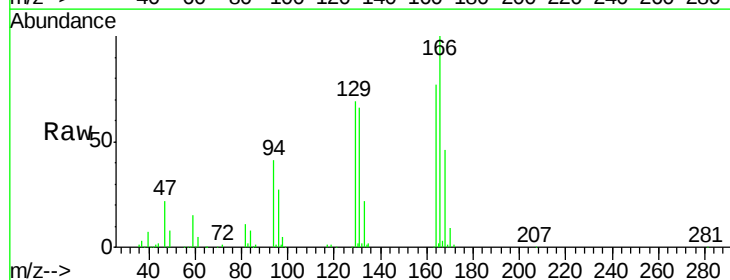
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

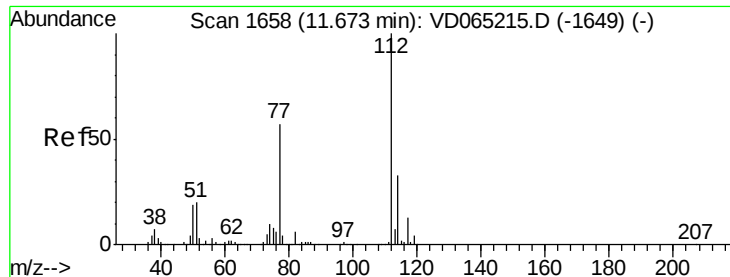
Tgt Ion:117 Resp: 608882
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 22.43 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion:164 Resp: 96849
Ion Ratio Lower Upper
164 100
166 130.5 98.4 147.6
129 89.7 71.6 107.4
131 86.5 67.3 100.9





#65

Chlorobenzene

Concen: 21.52 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

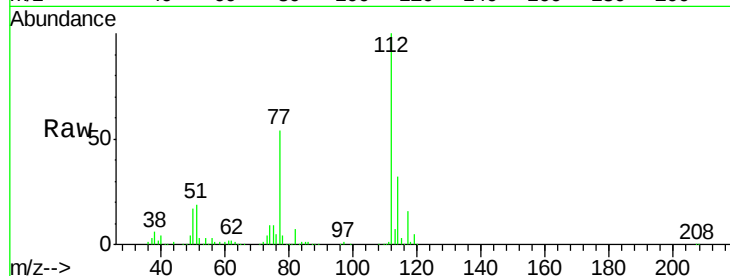
VD0302SBS01

Tgt Ion:112 Resp: 262941

Ion Ratio Lower Upper

112 100

114 31.5 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

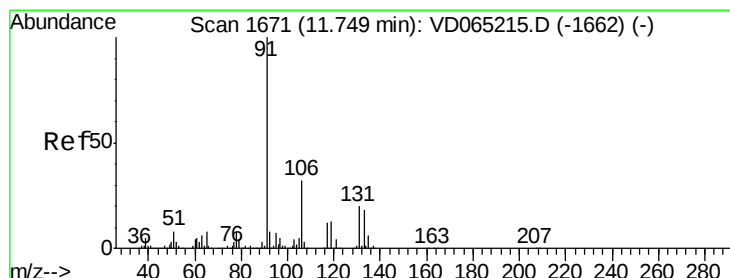
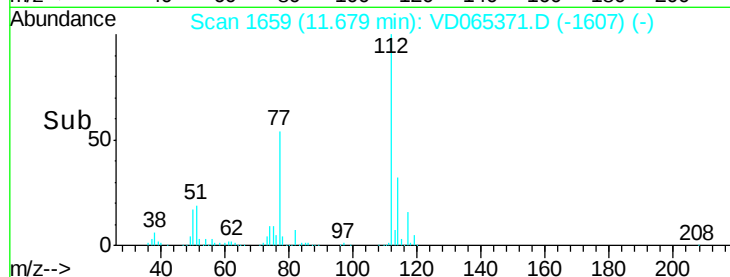
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.13 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

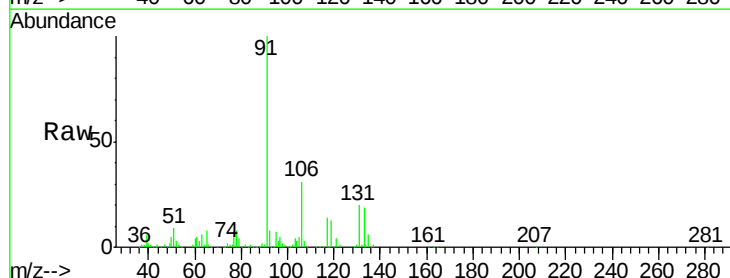
Tgt Ion:131 Resp: 96363

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 64.4 32.7 98.1



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

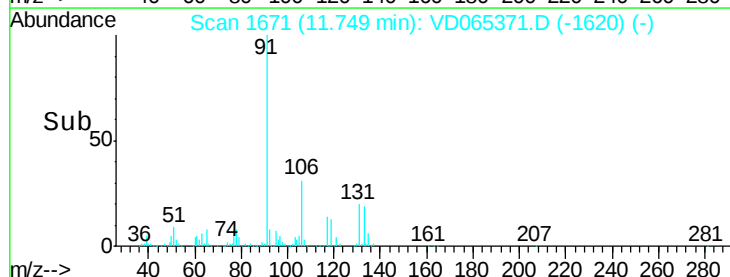
150000

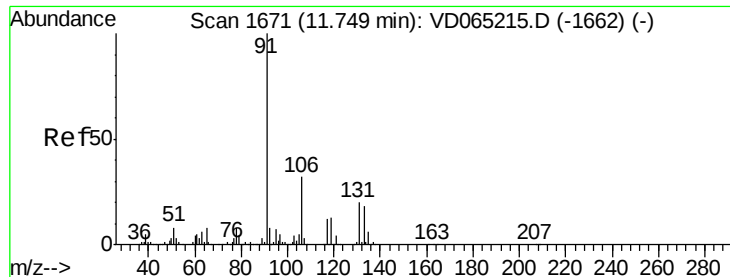
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.08 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

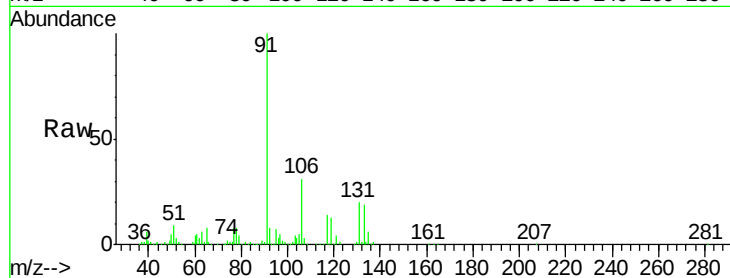
VD0302SBS01

Tgt Ion: 91 Resp: 451146

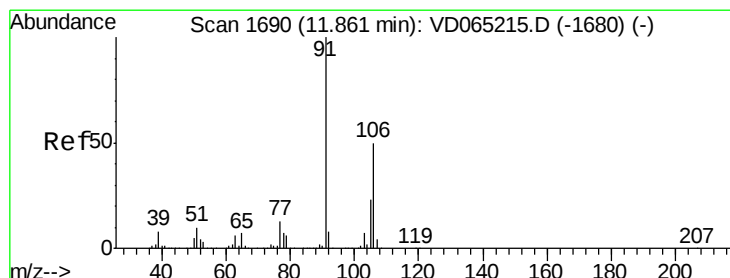
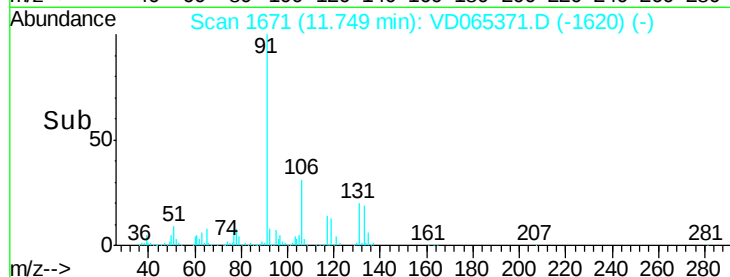
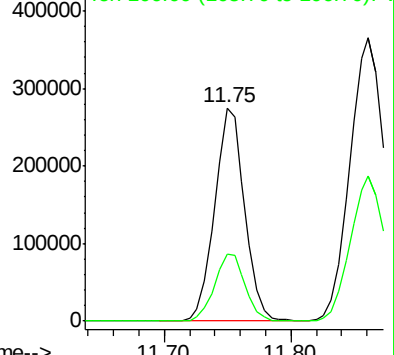
Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.43 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065371.D

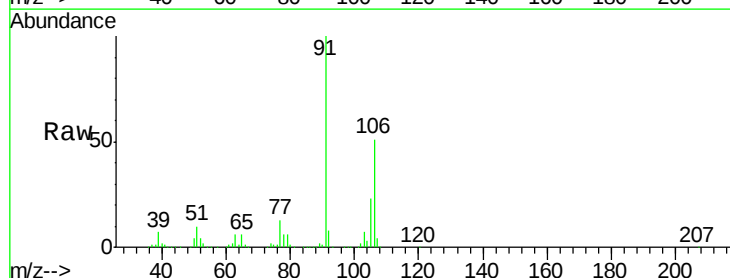
Acq: 02 Mar 2020 11:19

Tgt Ion: 106 Resp: 355602

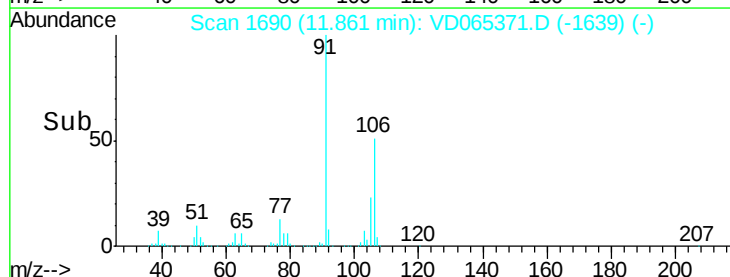
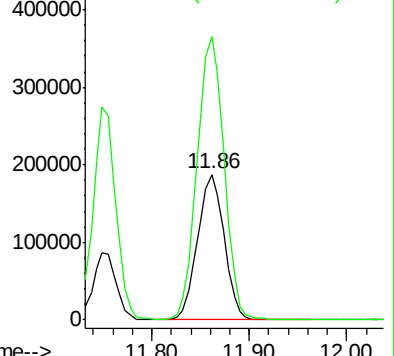
Ion Ratio Lower Upper

106 100

91 197.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

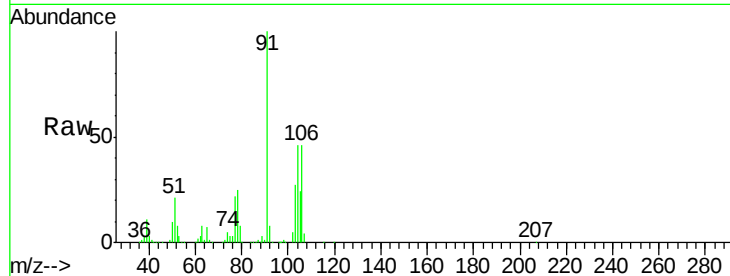




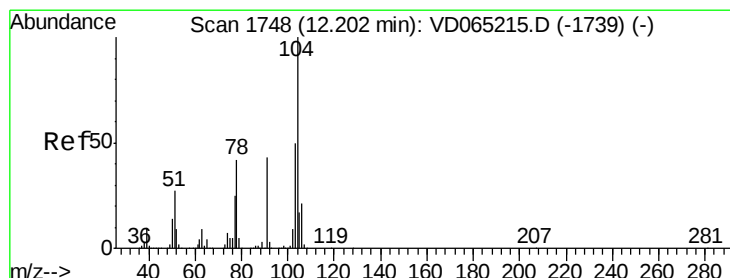
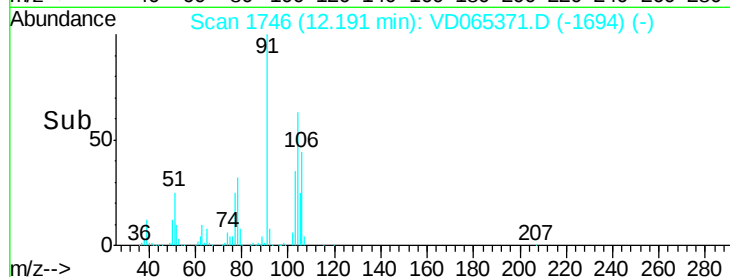
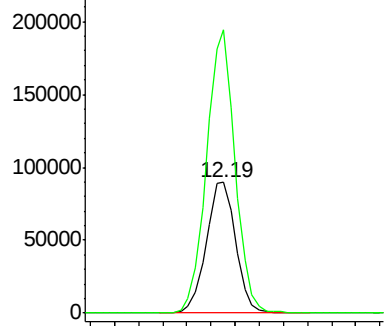
#69
o-Xylene
Concen: 21.02 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tgt Ion:106 Resp: 152474
Ion Ratio Lower Upper
106 100
91 208.7 104.7 313.9

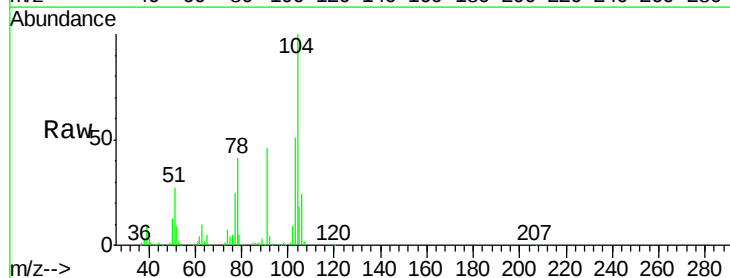


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

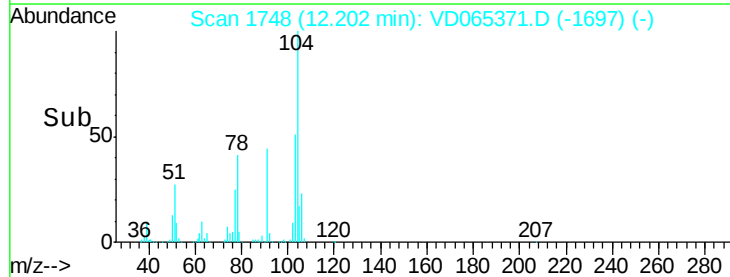
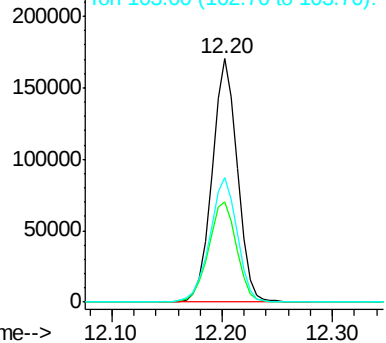


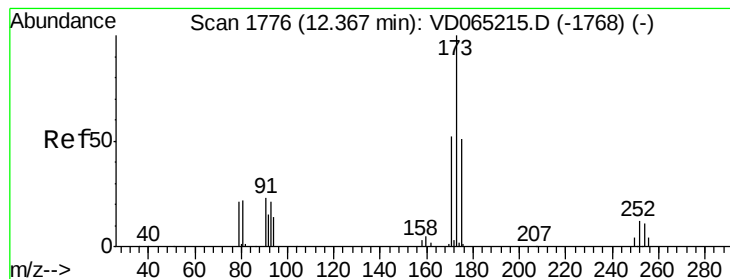
#70
Styrene
Concen: 21.27 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion:104 Resp: 273899
Ion Ratio Lower Upper
104 100
78 45.8 37.8 56.6
103 55.7 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.63 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

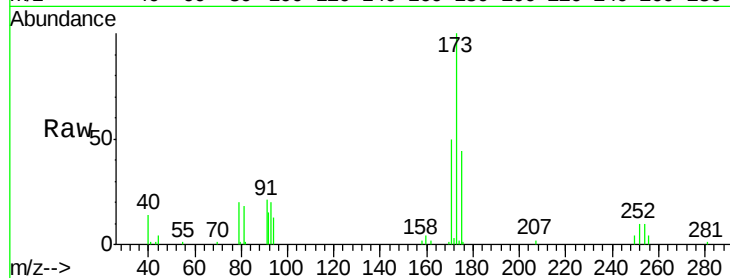
Tgt Ion:173 Resp: 52205

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

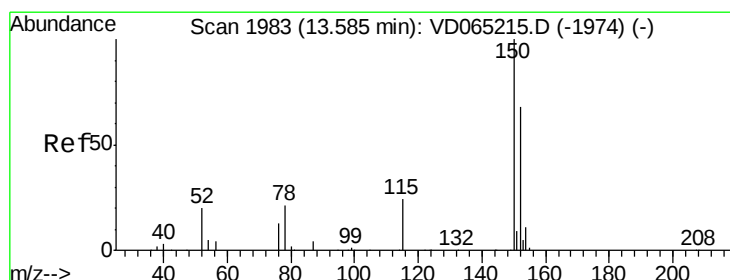
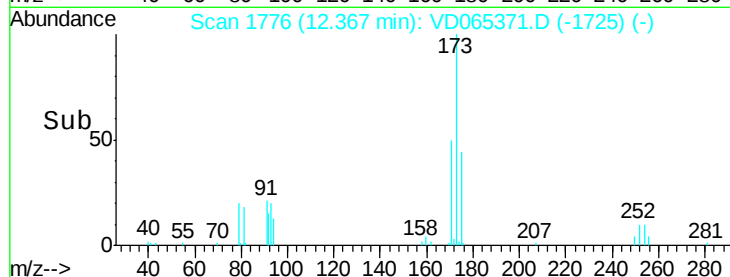
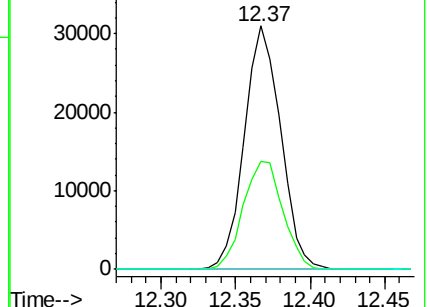
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

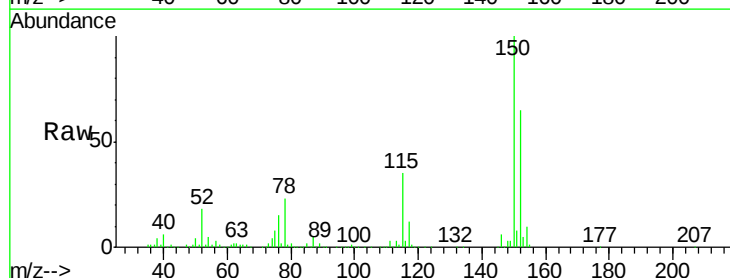
Tgt Ion:152 Resp: 304795

Ion Ratio Lower Upper

152 100

115 55.8 27.6 82.8

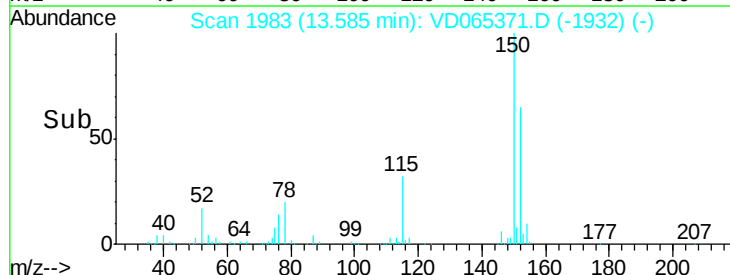
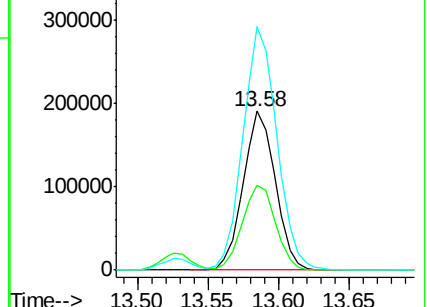
150 162.0 0.0 347.4

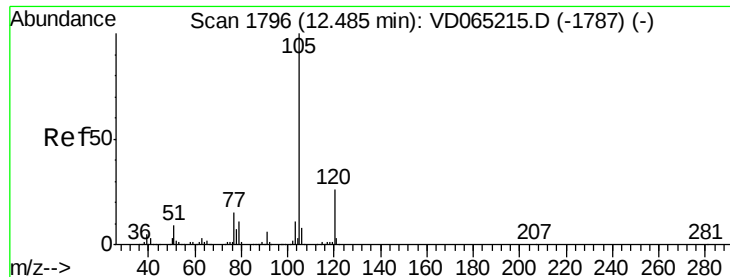


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.25 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

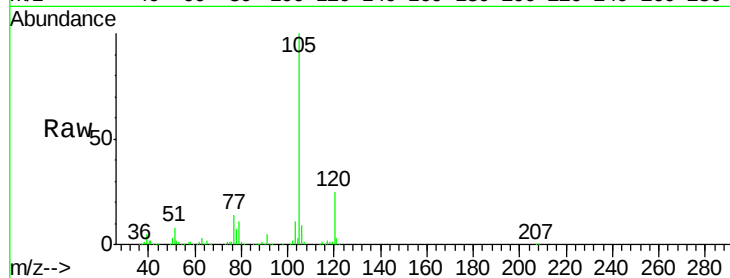
VD0302SBS01

Tgt Ion: 105 Resp: 428762

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

250000

200000

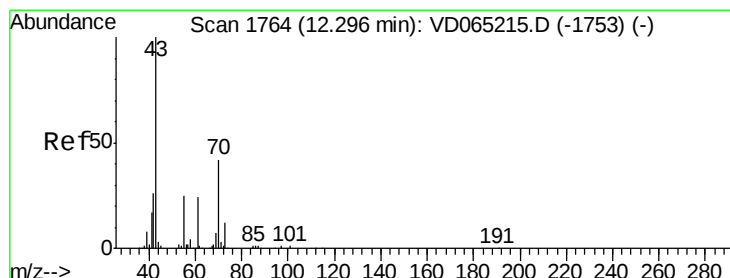
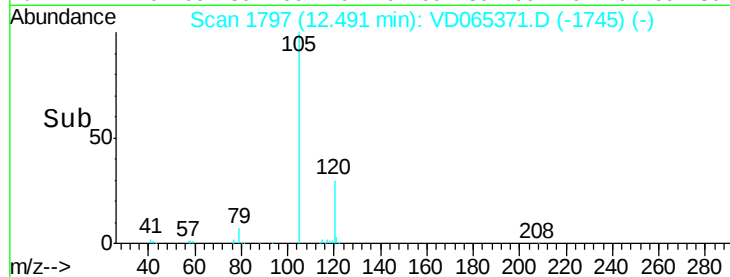
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.82 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Tgt Ion: 43 Resp: 79889

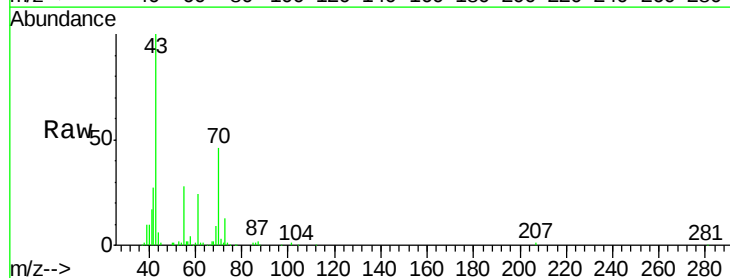
Ion Ratio Lower Upper

43 100

70 46.1 33.7 50.5

55 30.2 20.7 31.1

61 24.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.30

80000

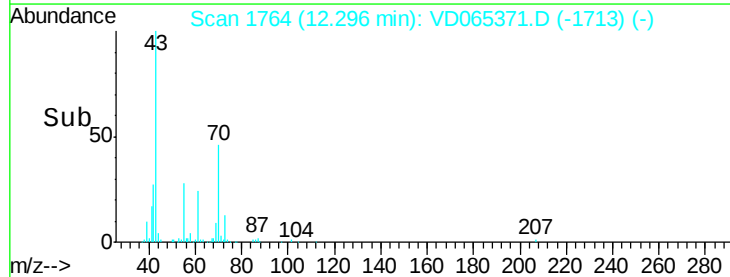
60000

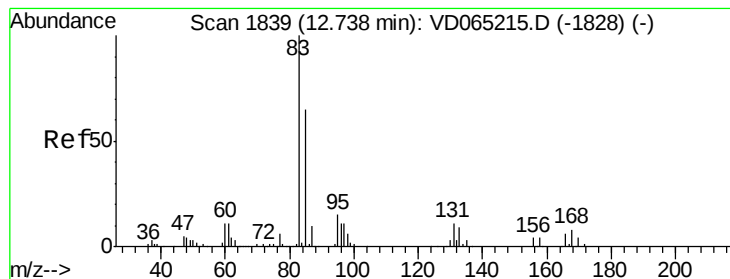
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.68 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

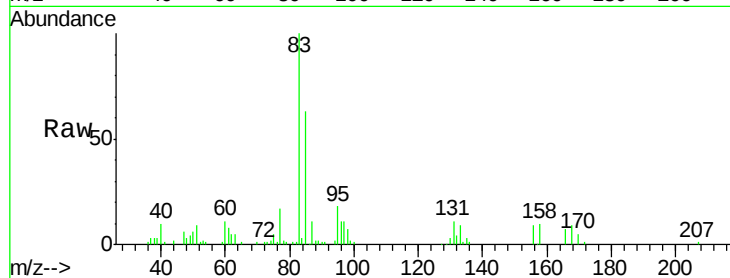
Tgt Ion: 83 Resp: 71660

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

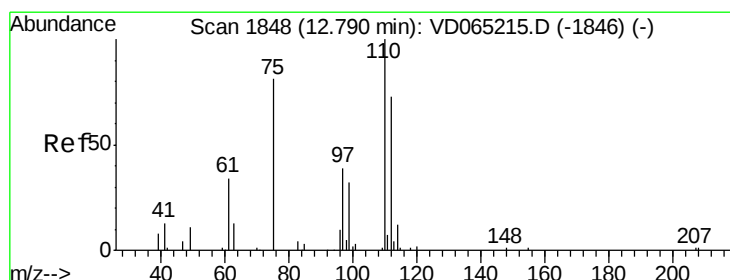
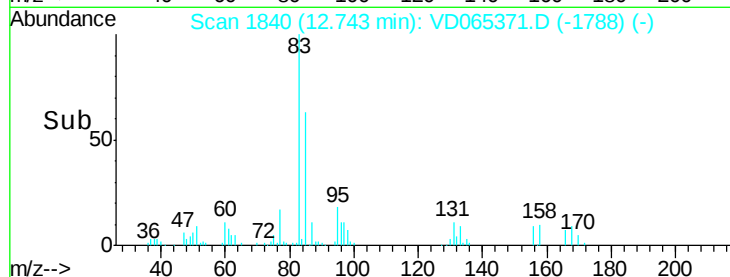
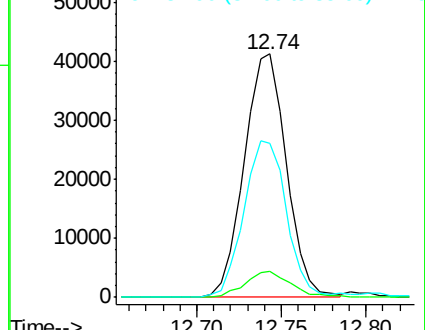
85 65.2 31.6 94.8



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: 36.32 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065371.D

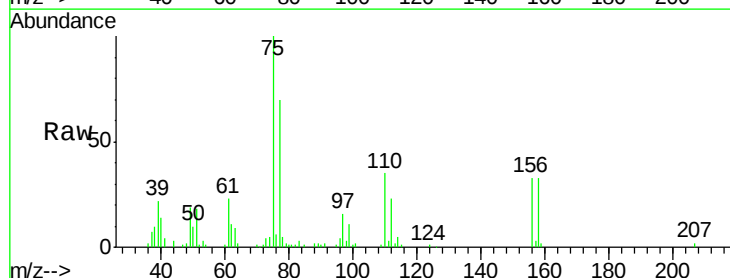
Acq: 02 Mar 2020 11:19

Tgt Ion: 75 Resp: 94188

Ion Ratio Lower Upper

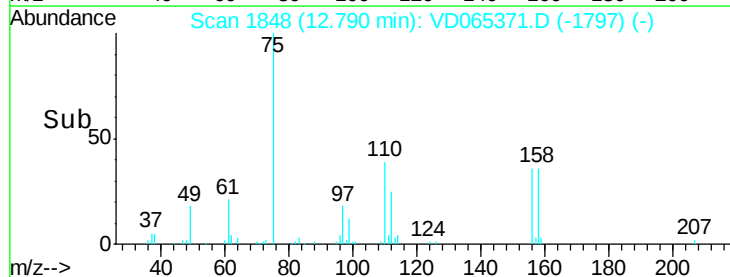
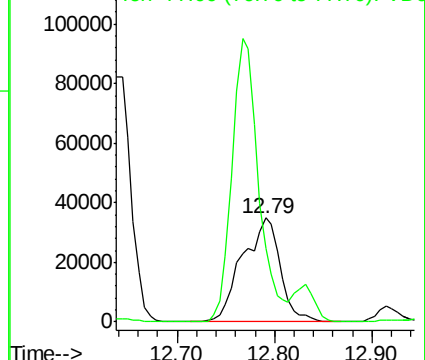
75 100

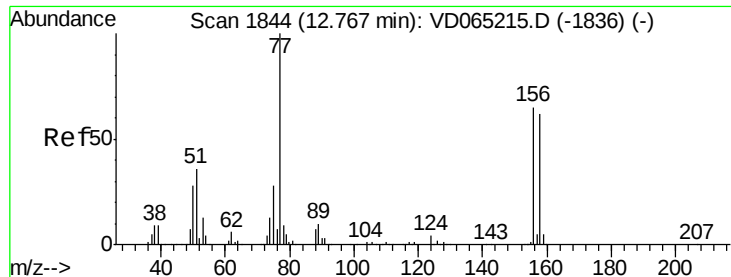
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.11 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

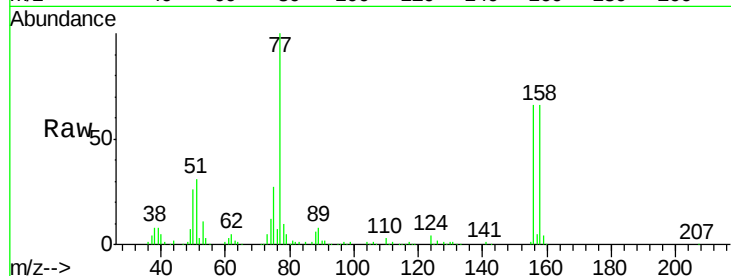
Tgt Ion:156 Resp: 105764

Ion Ratio Lower Upper

156 100

77 171.5 86.6 259.7

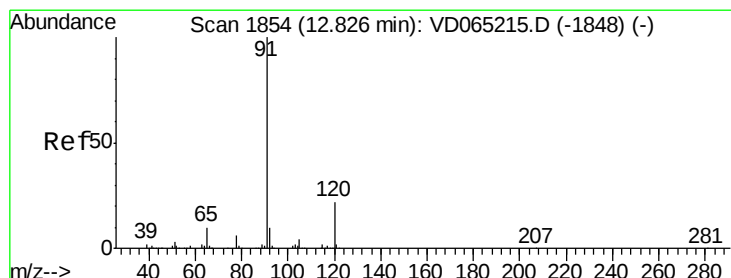
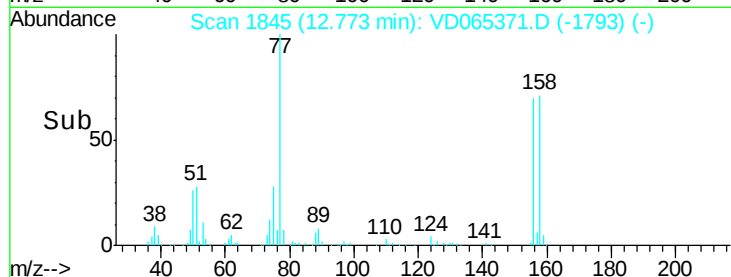
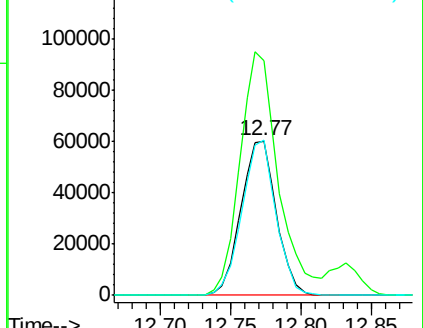
158 96.3 48.1 144.3



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: 21.44 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065371.D

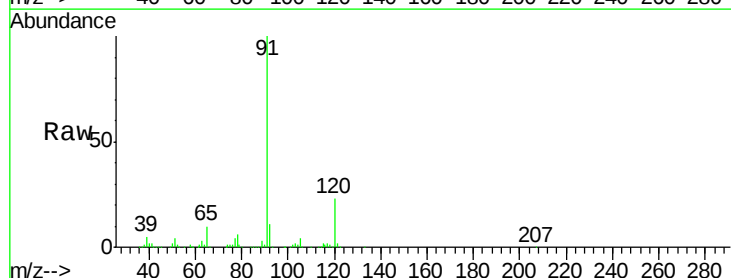
Acq: 02 Mar 2020 11:19

Tgt Ion: 91 Resp: 519847

Ion Ratio Lower Upper

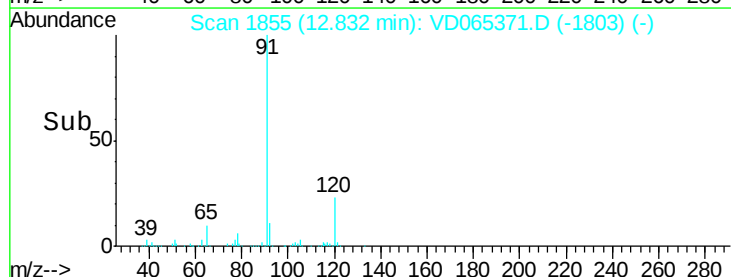
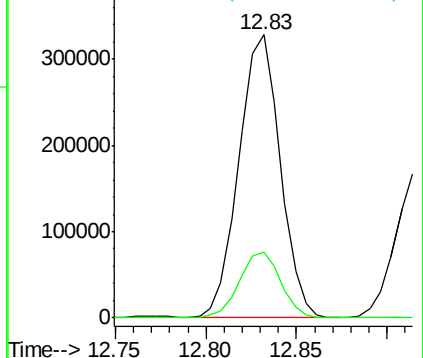
91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.21 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

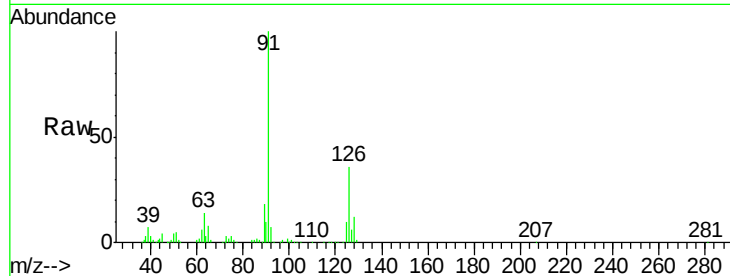
VD0302SBS01

Tgt Ion: 91 Resp: 288136

Ion Ratio Lower Upper

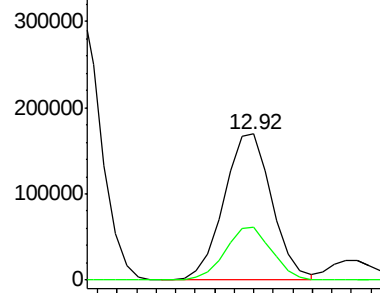
91 100

126 35.2 17.5 52.6

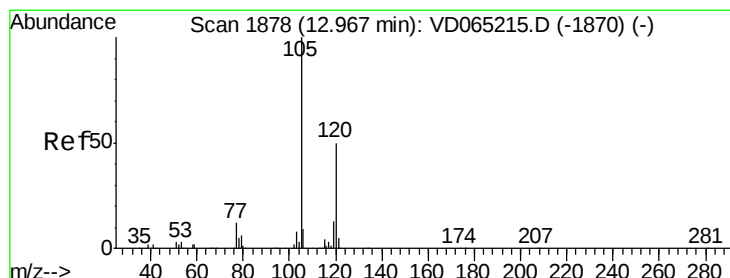
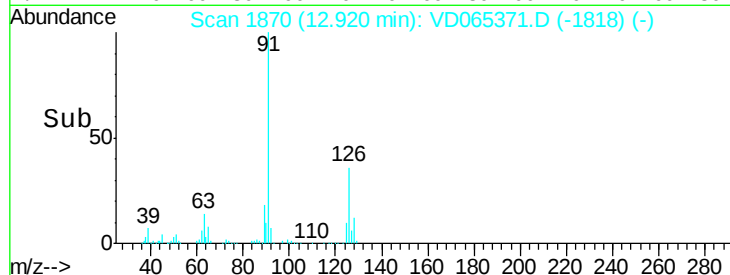


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.40 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065371.D

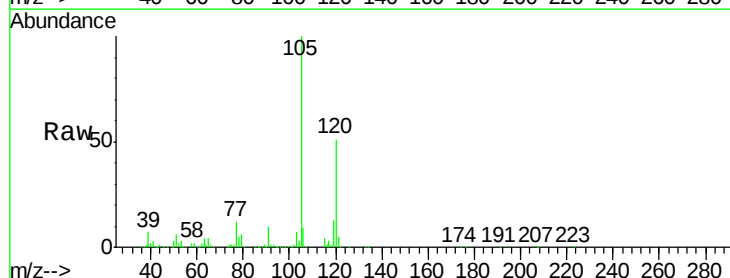
Acq: 02 Mar 2020 11:19

Tgt Ion: 105 Resp: 355625

Ion Ratio Lower Upper

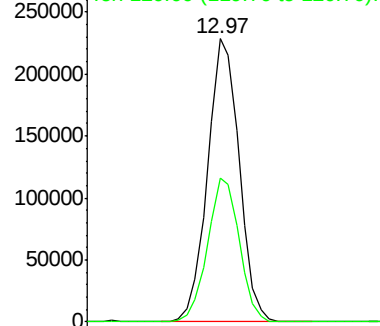
105 100

120 51.1 25.4 76.4

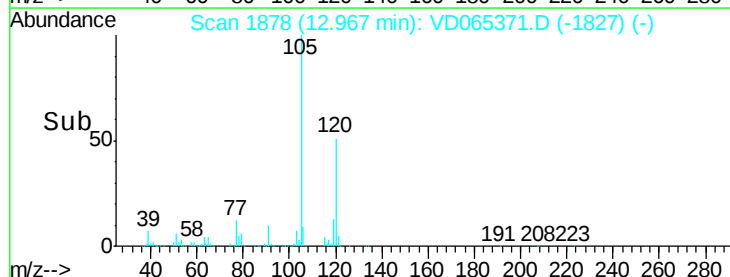


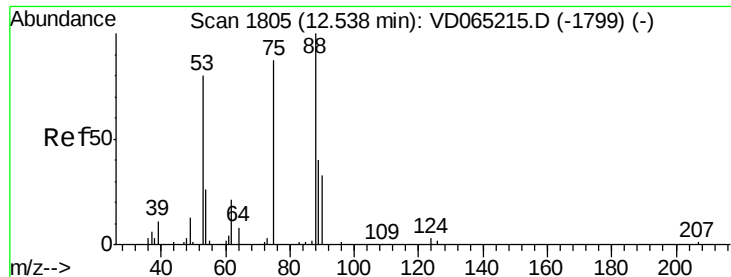
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.56 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

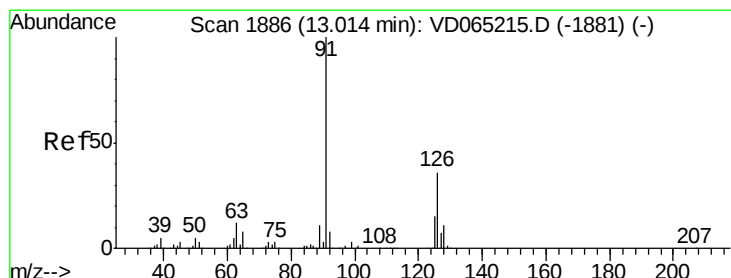
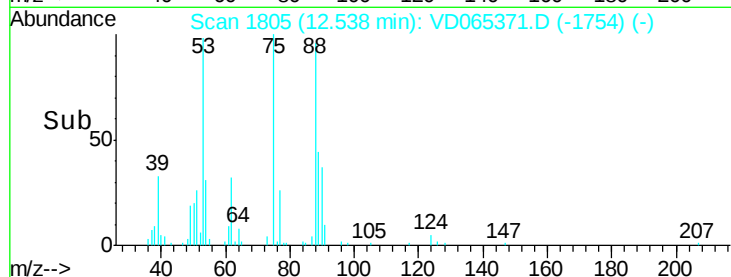
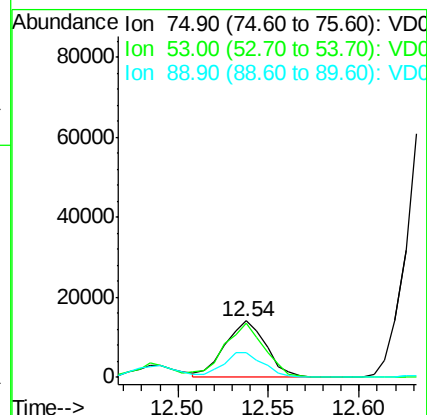
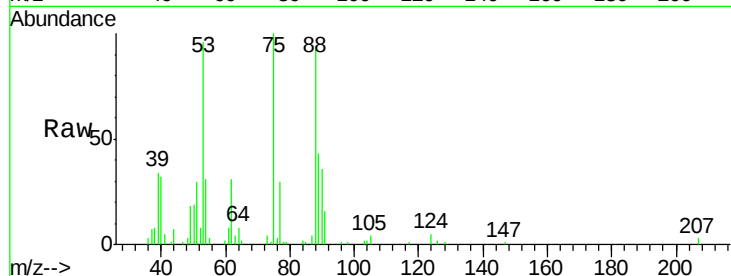
Tgt Ion: 75 Resp: 22295

Ion Ratio Lower Upper

75 100

53 95.1 77.6 116.4

89 42.2 37.2 55.8



#82

4-Chlorotoluene

Concen: 21.05 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065371.D

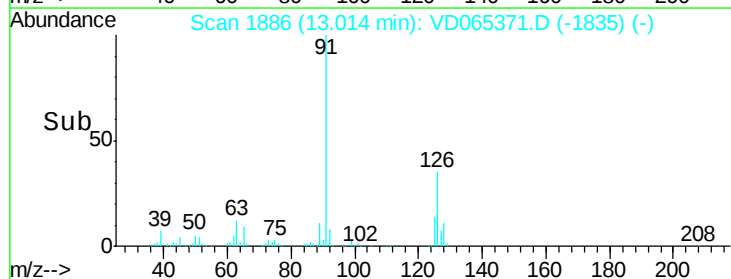
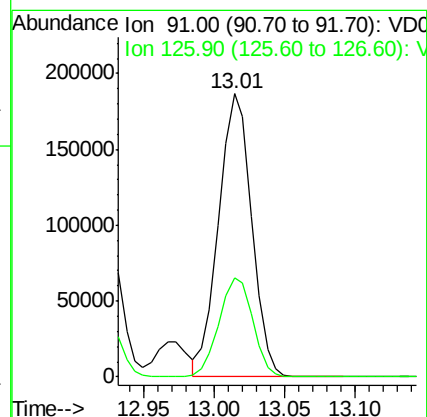
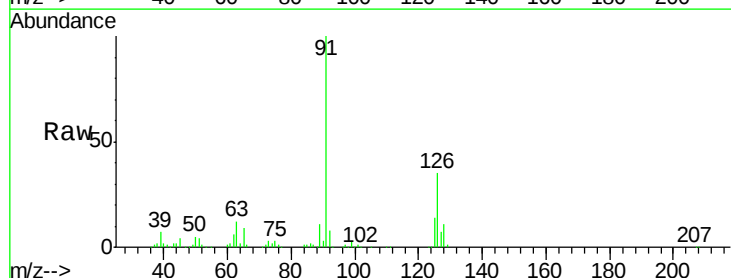
Acq: 02 Mar 2020 11:19

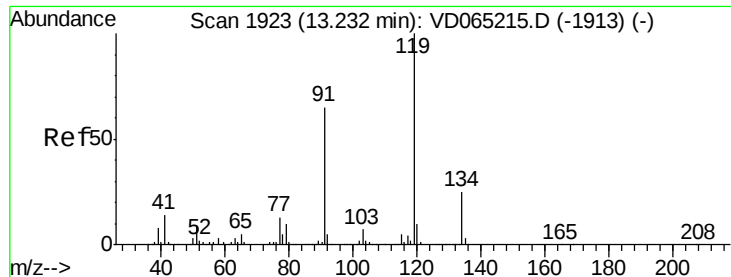
Tgt Ion: 91 Resp: 303614

Ion Ratio Lower Upper

91 100

126 35.8 17.4 52.3

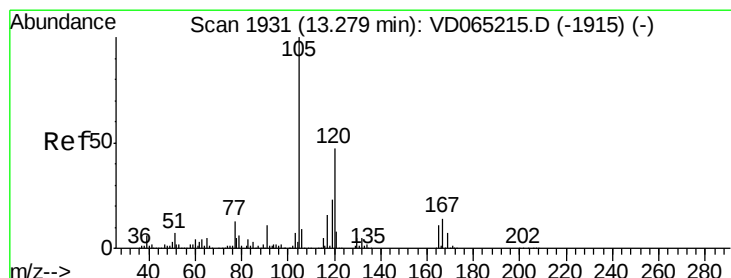
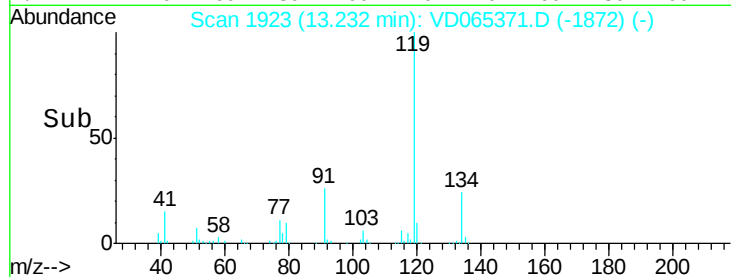
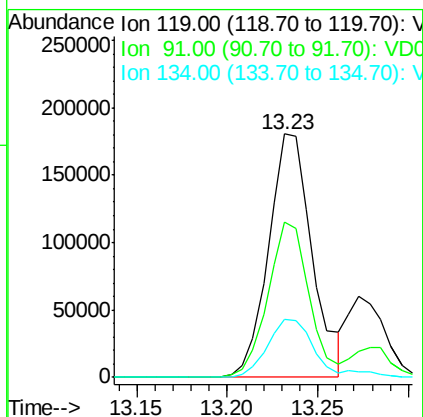
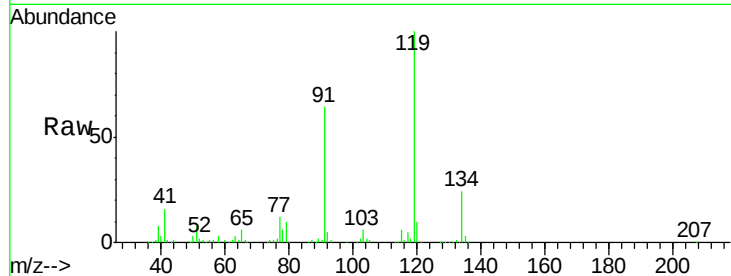




#83
 tert-Butylbenzene
 Concen: 21.77 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

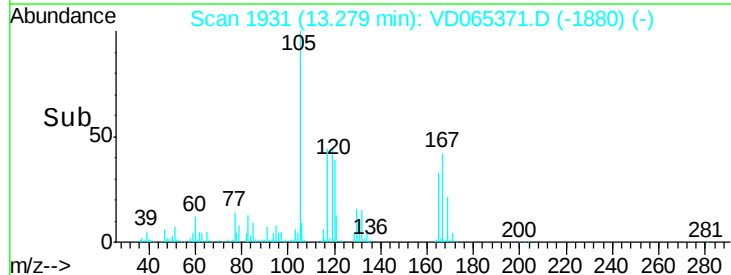
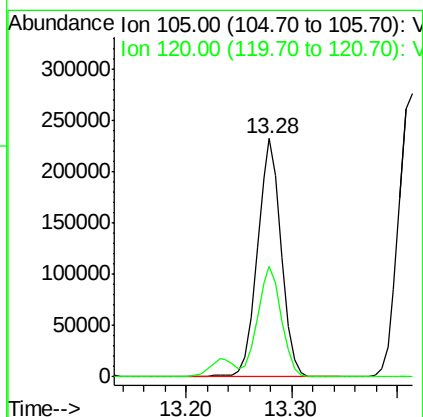
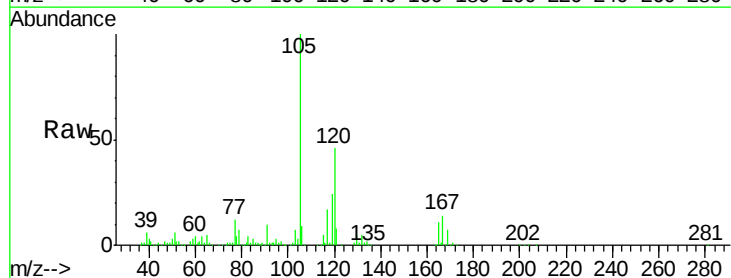
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

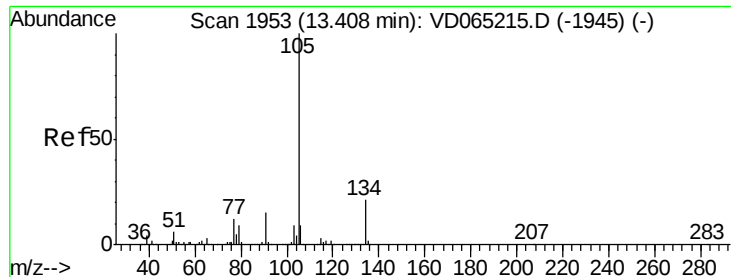
Tgt Ion:119 Resp: 303301
 Ion Ratio Lower Upper
 119 100
 91 60.3 31.9 95.5
 134 26.4 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.81 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:105 Resp: 362807
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.9

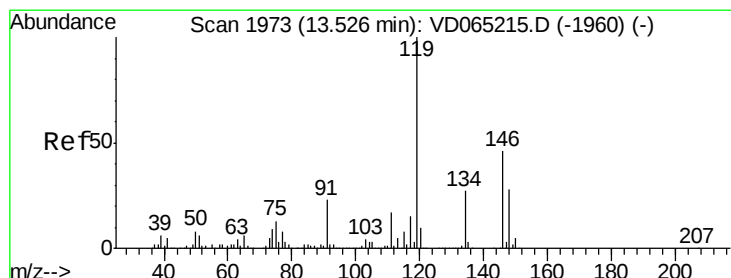
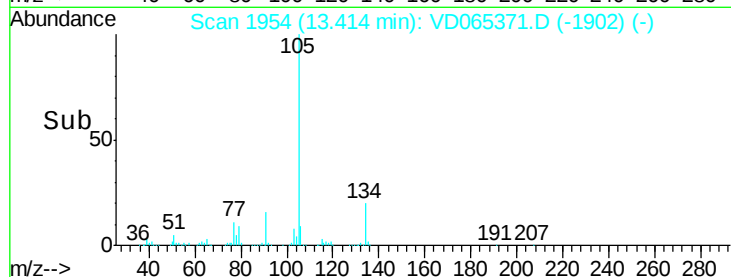
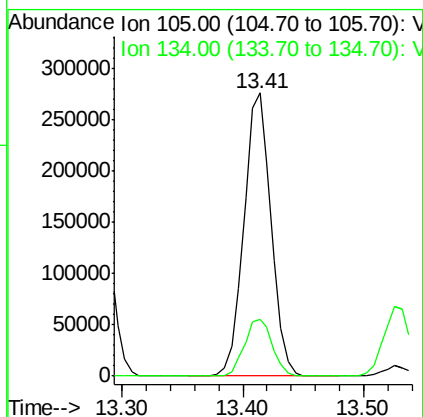
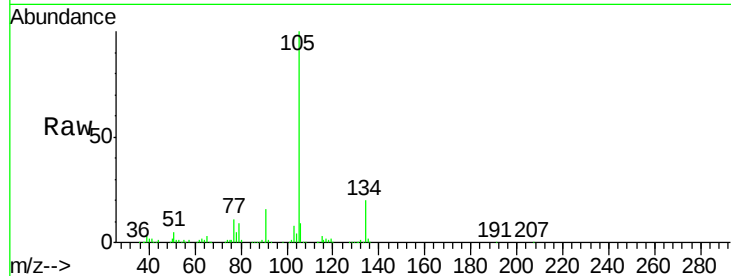




#85
 sec-Butylbenzene
 Concen: 21.51 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

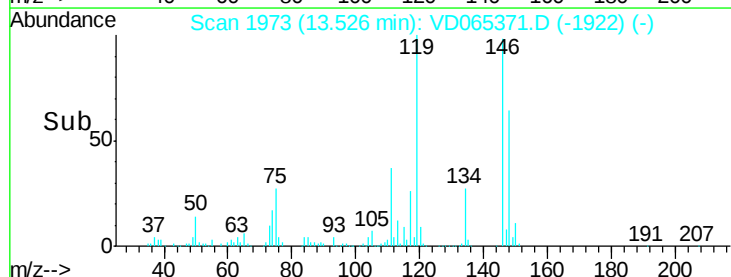
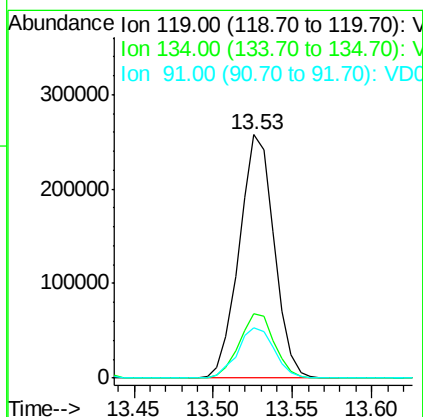
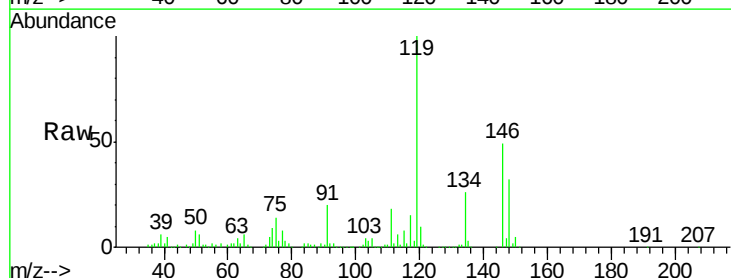
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

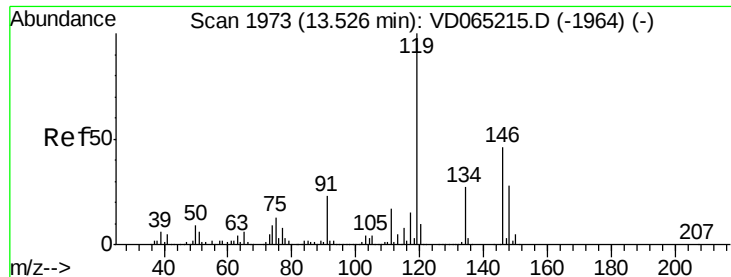
Tgt Ion:105 Resp: 431784
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.41 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:119 Resp: 392950
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 21.5 11.1 33.1

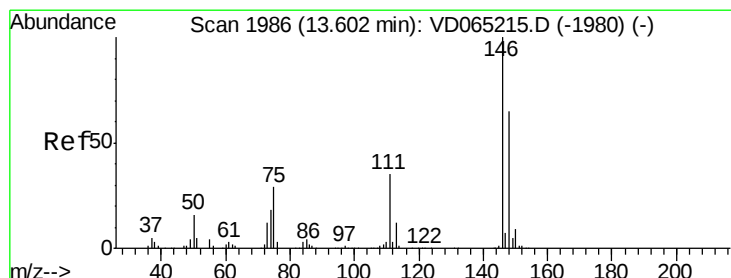
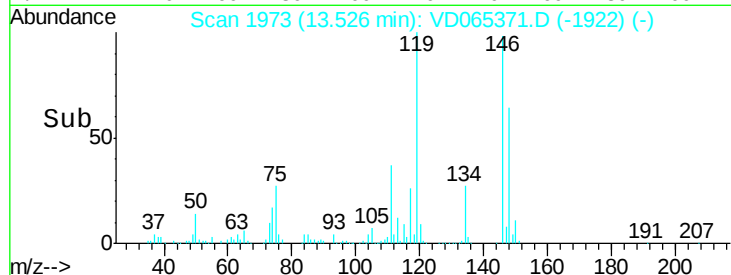
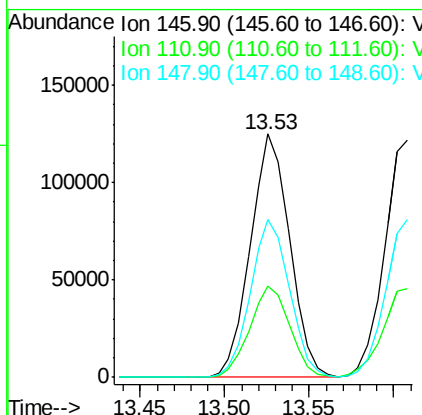
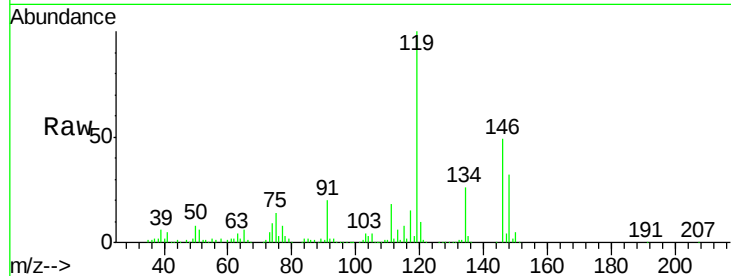




#87
 1,3-Dichlorobenzene
 Concen: 20.90 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

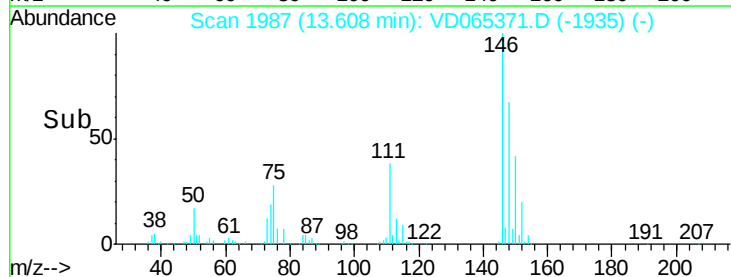
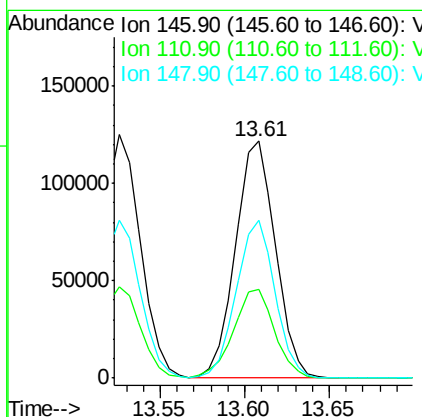
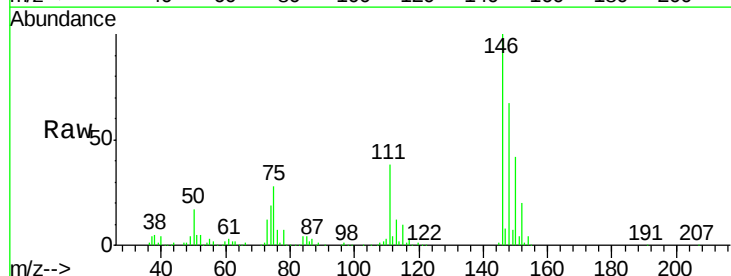
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

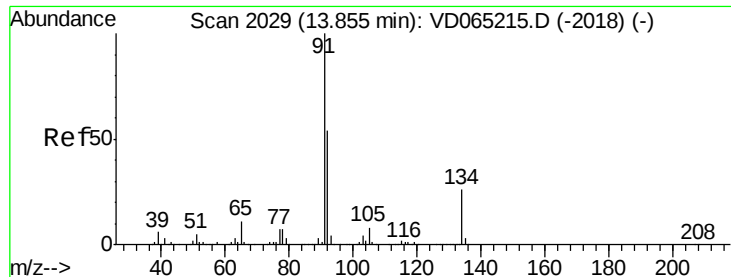
Tgt Ion:146 Resp: 202432
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.8
 148 64.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:146 Resp: 200861
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.2
 148 64.5 32.1 96.5

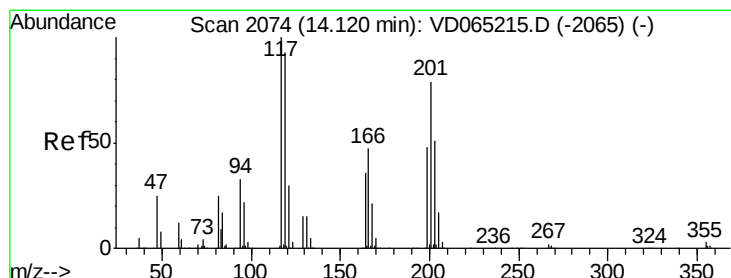
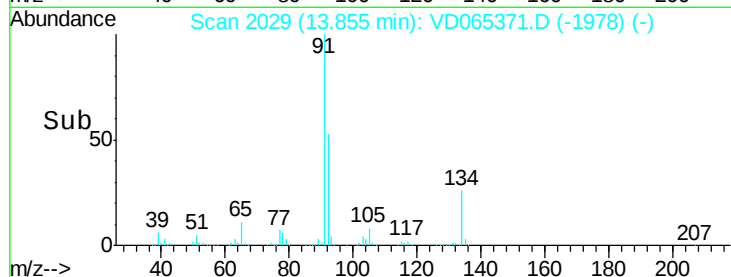
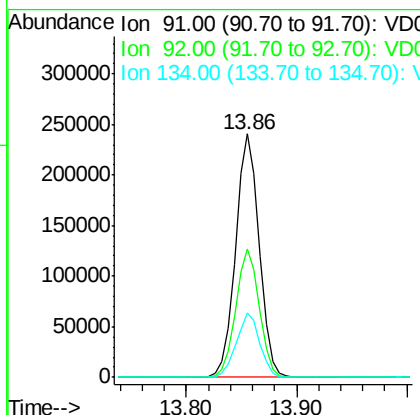
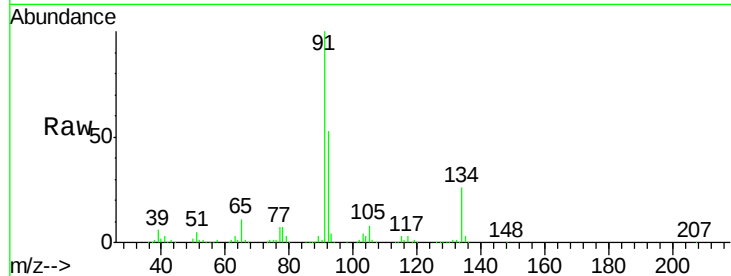




#89
n-Butylbenzene
Concen: 21.23 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

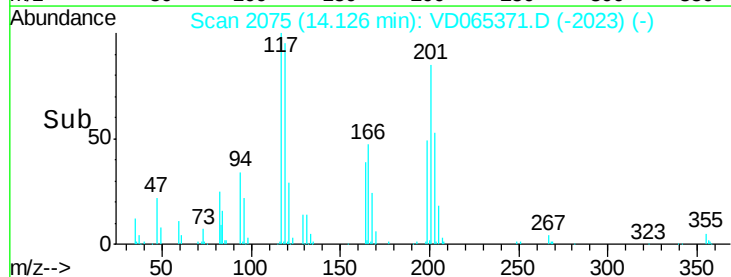
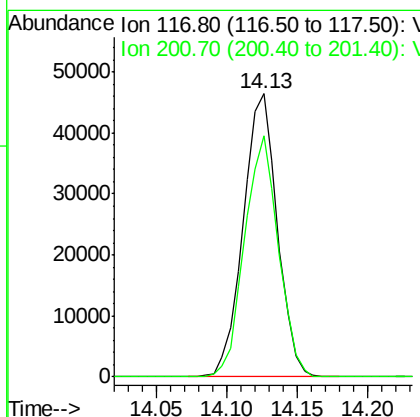
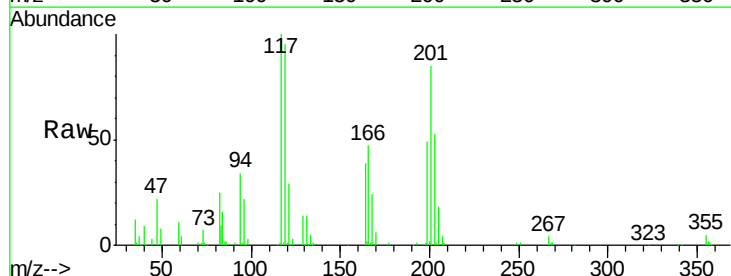
Instrument :
MSVOA_D
ClientSampleId :
VD0302SBS01

Tgt Ion: 91 Resp: 359169
Ion Ratio Lower Upper
91 100
92 52.6 27.0 80.8
134 26.3 13.5 40.4



#90
Hexachloroethane
Concen: 21.13 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065371.D
Acq: 02 Mar 2020 11:19

Tgt Ion: 117 Resp: 78758
Ion Ratio Lower Upper
117 100
201 84.3 41.3 124.1

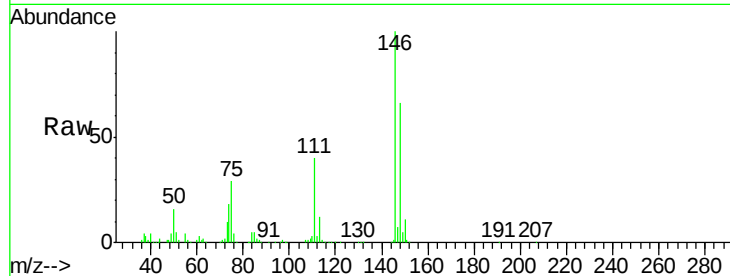




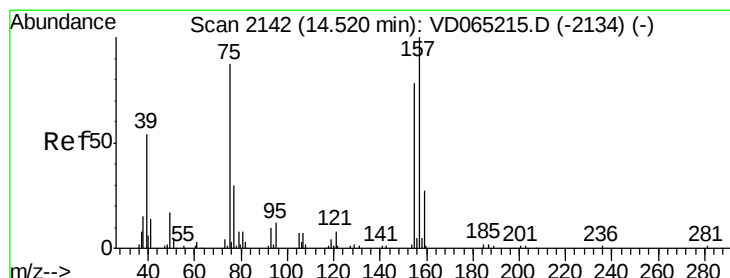
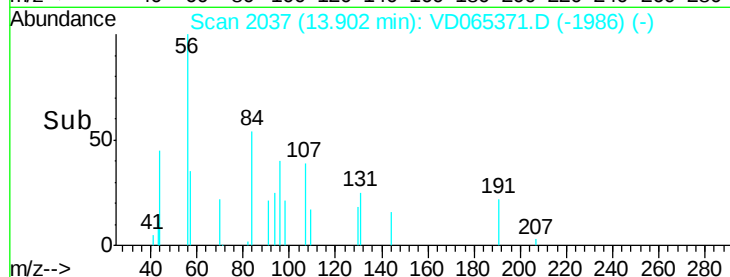
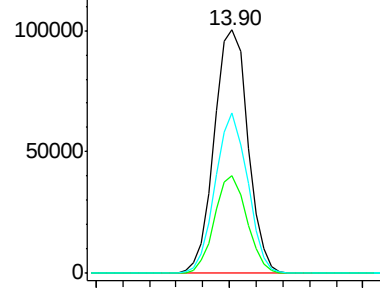
#91
 1,2-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.2	32.0	96.2

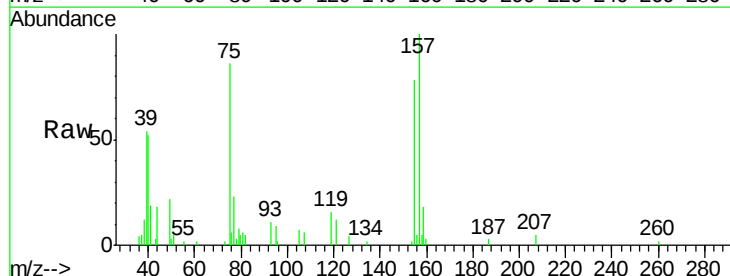


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

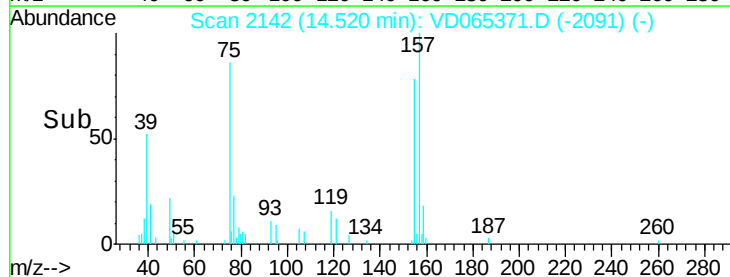
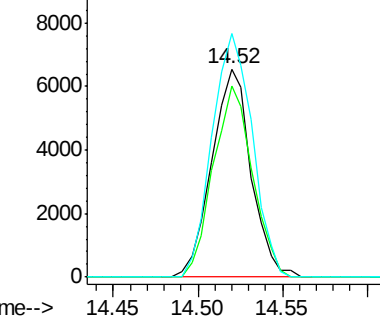


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.89 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	42.3	126.9
157	119.6	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

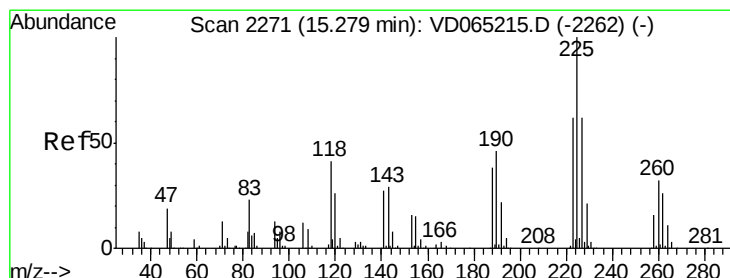
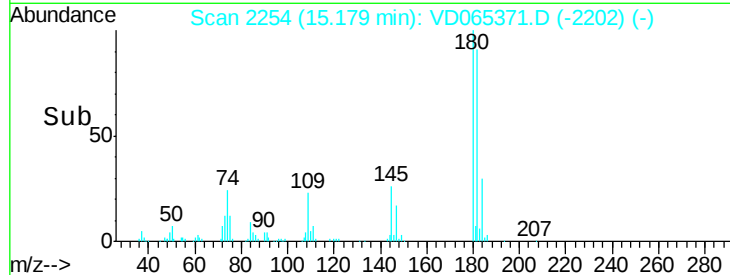
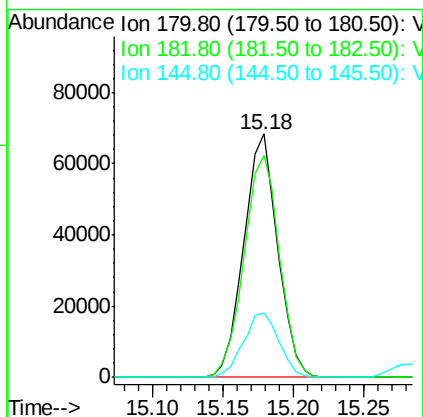
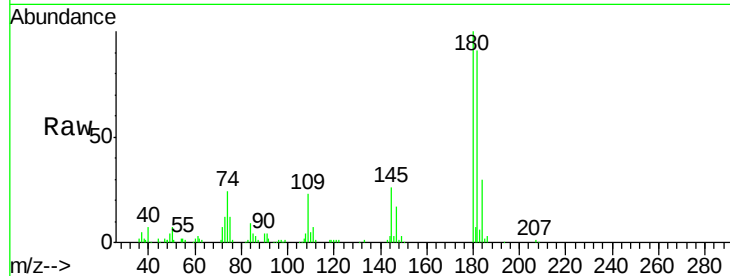




#93
 1,2,4-Trichlorobenzene
 Concen: 21.20 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

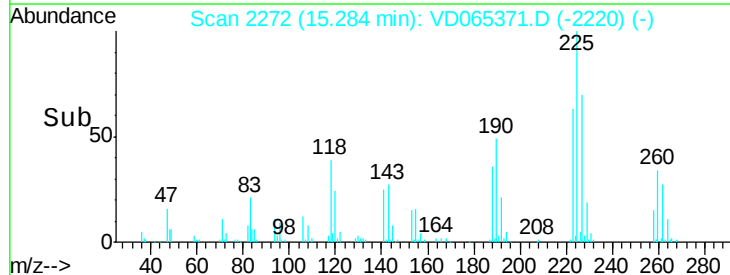
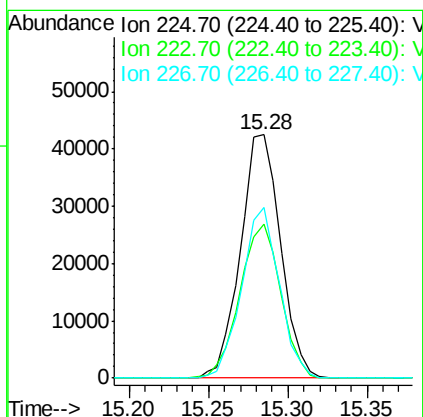
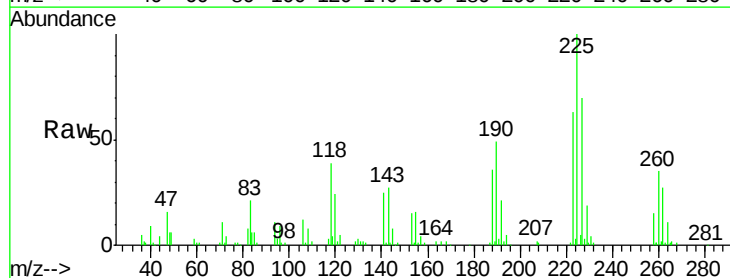
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

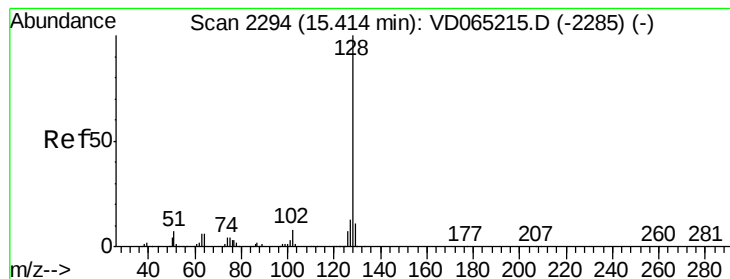
Tgt Ion:180 Resp: 115336
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.9 140.6
 145 27.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 21.42 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065371.D
 Acq: 02 Mar 2020 11:19

Tgt Ion:225 Resp: 74769
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.2
 227 65.6 31.7 95.1





#95

Naphthalene

Concen: 19.20 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

VD0302SBS01

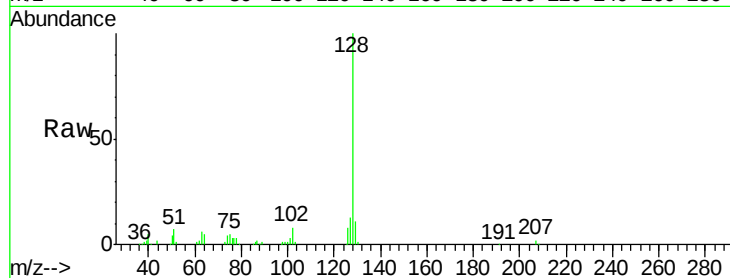
Tgt Ion:128 Resp: 169849

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

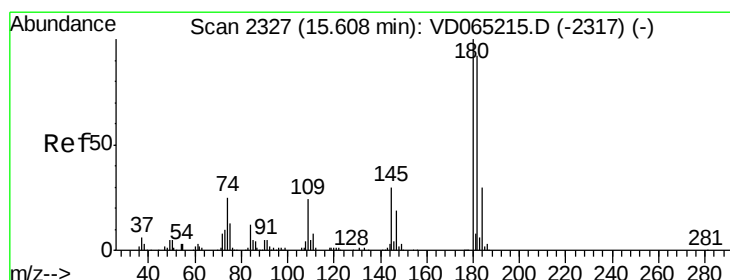
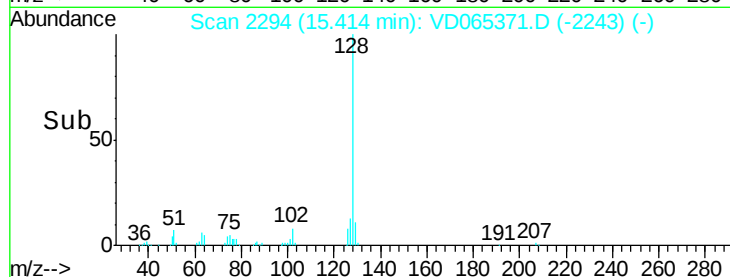
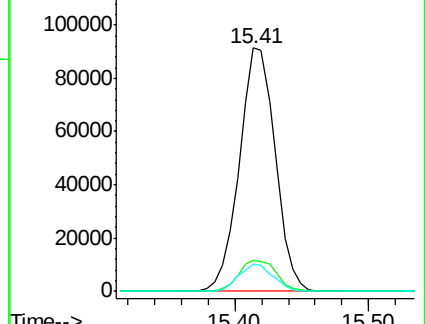
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.95 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065371.D

Acq: 02 Mar 2020 11:19

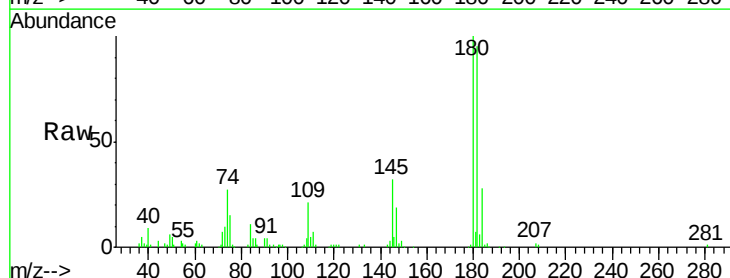
Tgt Ion:180 Resp: 99552

Ion Ratio Lower Upper

180 100

182 94.6 46.9 140.6

145 31.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

