

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
 Data File : VD065353.D
 Acq On : 28 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0228SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Quant Time: Feb 28 15:34:30 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	453883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	661917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214956	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.91	113	222916	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.34	98	901241	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	
62) 4-Bromofluorobenzene	12.64	95	290120	59.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72505	19.05	ug/l	99
3) Chloromethane	2.21	50	97419	20.11	ug/l	97
4) Vinyl Chloride	2.36	62	97767	19.84	ug/l	98
5) Bromomethane	2.77	94	60437	20.29	ug/l	100
6) Chloroethane	2.92	64	60058	19.97	ug/l	93
7) Trichlorofluoromethane	3.27	101	151820	21.52	ug/l	96
8) Diethyl Ether	3.71	74	44810	21.04	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97147	21.81	ug/l	99
10) Methyl Iodide	4.29	142	93854	20.29	ug/l	99
11) Tert butyl alcohol	5.24	59	35764	146.58	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	89868	21.36	ug/l	93
13) Acrolein	3.92	56	31246	85.27	ug/l	98
14) Allyl chloride	4.71	41	145409	21.28	ug/l	98
15) Acrylonitrile	5.43	53	97672	103.61	ug/l	100
16) Acetone	4.16	43	93390	93.57	ug/l	93
17) Carbon Disulfide	4.40	76	283500	20.09	ug/l	99
18) Methyl Acetate	4.73	43	51136	22.78	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	180256	20.54	ug/l	92
20) Methylene Chloride	4.96	84	111827	22.65	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	105869	22.13	ug/l	92
22) Diisopropyl ether	6.36	45	287942	21.86	ug/l	98
23) Vinyl Acetate	6.31	43	729858	100.49	ug/l	99
24) 1,1-Dichloroethane	6.27	63	178132	21.80	ug/l	96
25) 2-Butanone	7.22	43	123316	97.65	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154304	21.76	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110144	21.74	ug/l	99
28) Bromochloromethane	7.54	49	58024	19.14	ug/l	99
29) Tetrahydrofuran	7.57	42	74959	101.31	ug/l	99
30) Chloroform	7.71	83	180210	21.89	ug/l	99
31) Cyclohexane	7.98	56	165710	20.64	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164992	22.40	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141508	21.97	ug/l	99
37) Ethyl Acetate	7.30	43	56738	21.07	ug/l #	79
38) Carbon Tetrachloride	8.10	117	145594	22.21	ug/l	99

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Instrument :
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 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	166698	22.02	ug/l	100
40) Benzene	8.36	78	406303	22.35	ug/l	99
41) Methacrylonitrile	7.53	41	31350	20.17	ug/l	95
42) 1,2-Dichloroethane	8.43	62	104911	20.99	ug/l	98
43) Isopropyl Acetate	8.46	43	98295	20.08	ug/l	99
44) Trichloroethene	9.11	130	113580	22.54	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101933	22.55	ug/l	97
46) Dibromomethane	9.48	93	51386	22.09	ug/l	99
47) Bromodichloromethane	9.67	83	135626	22.13	ug/l	98
48) Methyl methacrylate	9.46	41	46208	20.42	ug/l	96
49) 1,4-Dioxane	9.46	88	11959	438.41	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	258649	104.01	ug/l	100
52) Toluene	10.41	92	265343	23.58	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	123655	21.77	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	153155	22.32	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72486	22.14	ug/l	97
56) Ethyl methacrylate	10.67	69	78855	20.87	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125515	22.53	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113202	95.03	ug/l	98
59) 2-Hexanone	10.99	43	178880	100.49	ug/l	98
60) Dibromochloromethane	11.14	129	94154	22.47	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69811	22.52	ug/l	99
64) Tetrachloroethene	10.88	164	99470	22.76	ug/l	97
65) Chlorobenzene	11.68	112	274435	22.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102945	22.31	ug/l	99
67) Ethyl Benzene	11.75	91	476040	21.98	ug/l	99
68) m/p-Xylenes	11.86	106	378362	45.66	ug/l	100
69) o-Xylene	12.19	106	164547	22.41	ug/l	100
70) Styrene	12.20	104	289324	22.20	ug/l	98
71) Bromoform	12.37	173	55890	21.83	ug/l #	96
73) Isopropylbenzene	12.49	105	458764	22.68	ug/l	100
74) N-amyl acetate	12.30	43	89550	19.93	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76080	20.84	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	97760	37.61	ug/l #	100
77) Bromobenzene	12.77	156	111023	22.11	ug/l	98
78) n-propylbenzene	12.83	91	557227	22.93	ug/l	99
79) 2-Chlorotoluene	12.91	91	301997	22.18	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379732	22.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22980	19.09	ug/l	99
82) 4-Chlorotoluene	13.01	91	328620	22.74	ug/l	100
83) tert-Butylbenzene	13.23	119	320588	22.96	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	375111	22.50	ug/l	98
85) sec-Butylbenzene	13.41	105	450477	22.39	ug/l	99
86) p-Isopropyltoluene	13.53	119	415832	22.60	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	216635	22.31	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	214388	22.37	ug/l	99
89) n-Butylbenzene	13.86	91	385096	22.72	ug/l	99
90) Hexachloroethane	14.13	117	81531	21.83	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	183065	21.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11730	20.85	ug/l	98

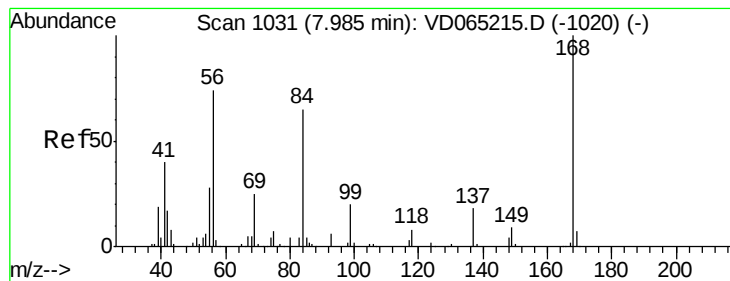
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
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Quant Time: Feb 28 15:34:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120106	22.03	ug/l	96
94) Hexachlorobutadiene	15.28	225	79151	22.63	ug/l	99
95) Naphthalene	15.41	128	183389	20.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105766	22.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

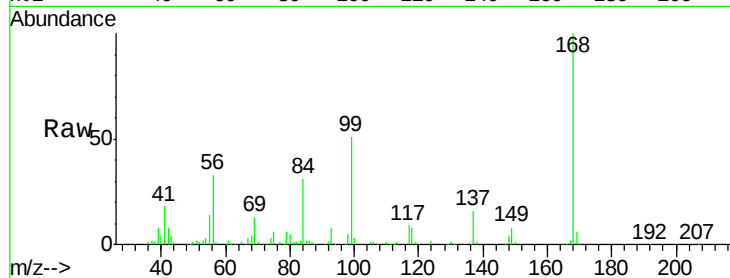
VD0228SBS01

Tgt Ion:168 Resp: 453883

Ion Ratio Lower Upper

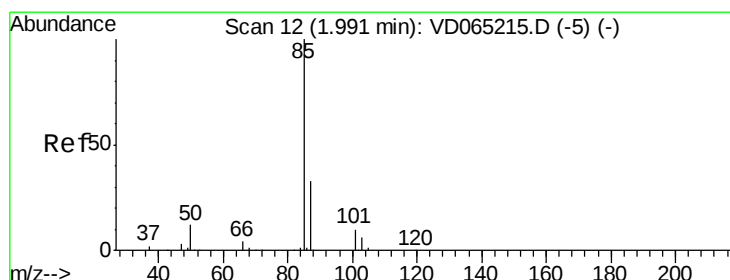
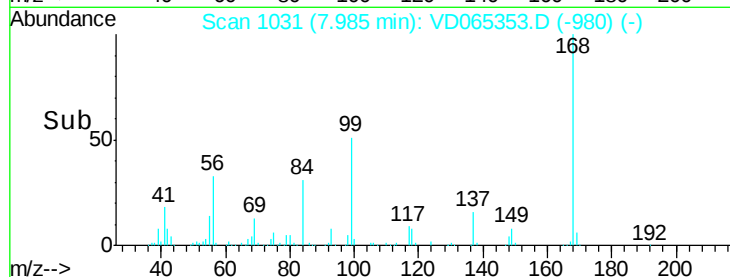
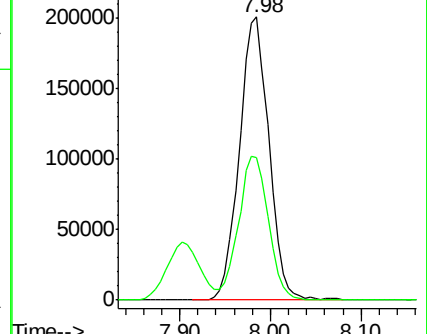
168 100

99 50.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.05 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065353.D

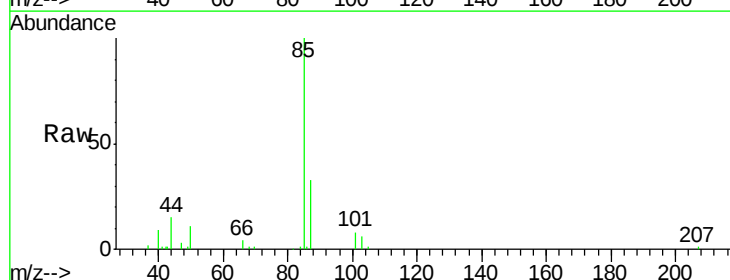
Acq: 28 Feb 2020 11:41

Tgt Ion: 85 Resp: 72505

Ion Ratio Lower Upper

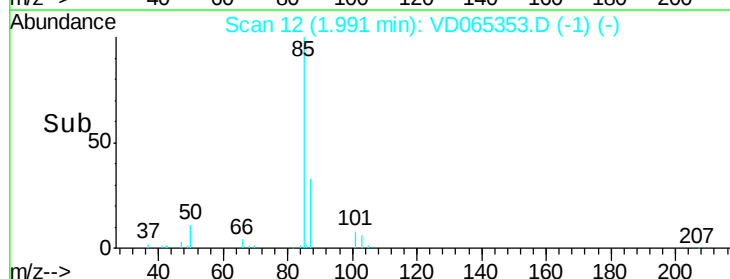
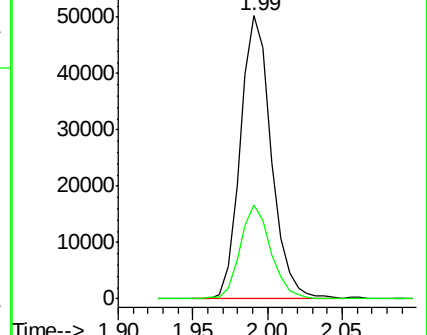
85 100

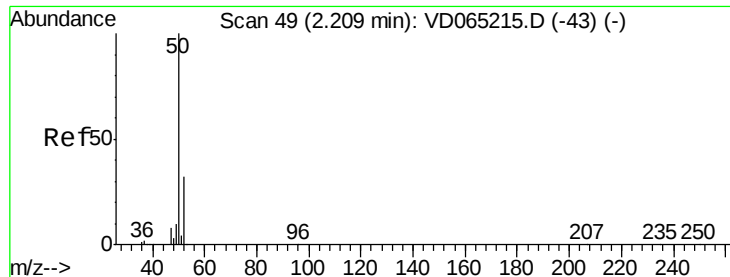
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.11 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

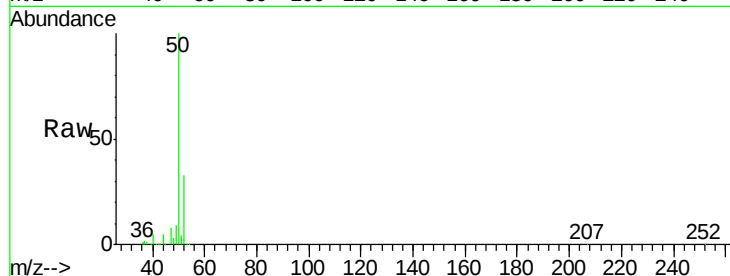
VD0228SBS01

Tgt Ion: 50 Resp: 97419

Ion Ratio Lower Upper

50 100

52 33.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

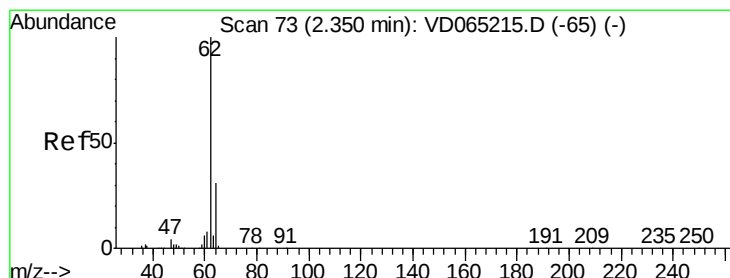
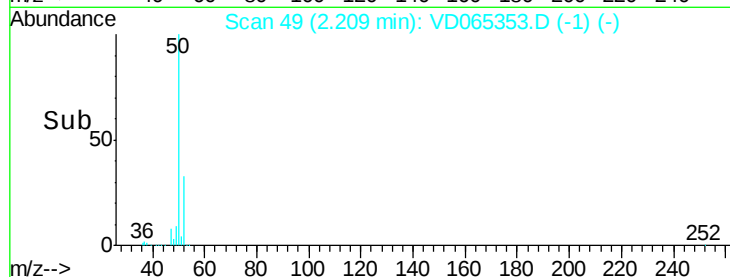
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065353.D

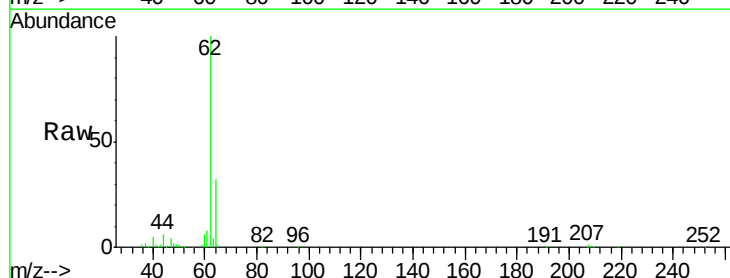
Acq: 28 Feb 2020 11:41

Tgt Ion: 62 Resp: 97767

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

60000

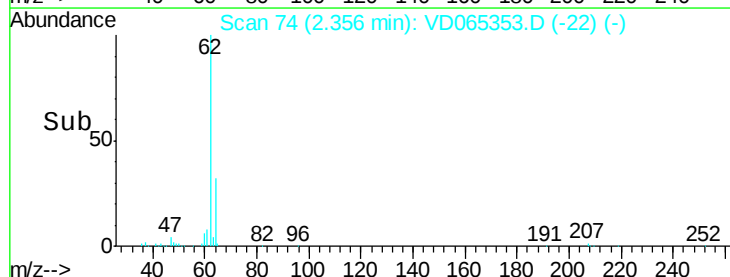
40000

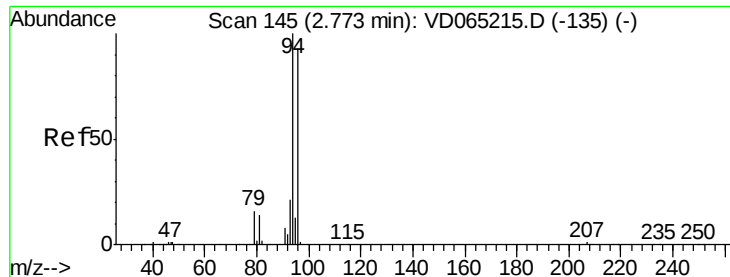
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.29 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

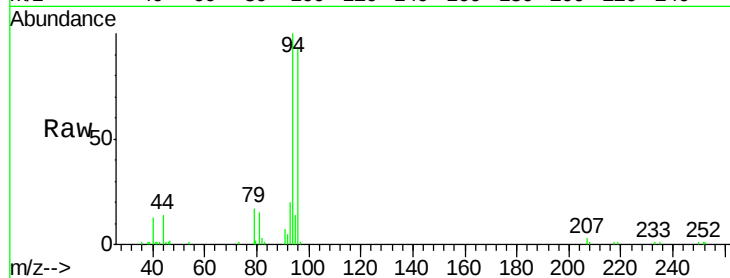
VD0228SBS01

Tgt Ion: 94 Resp: 60437

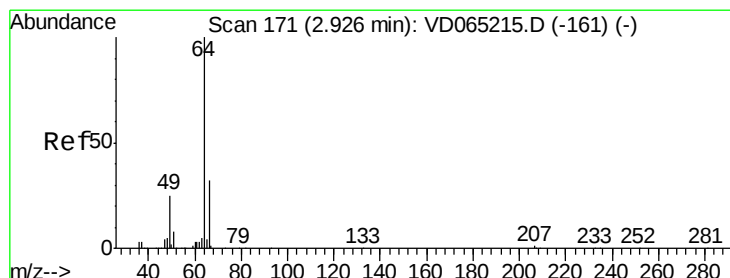
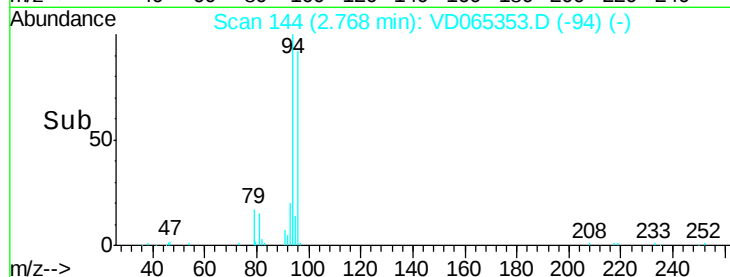
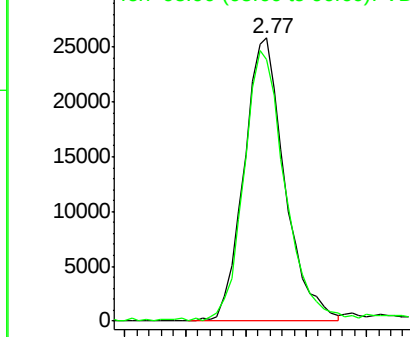
Ion Ratio Lower Upper

94 100

96 92.5 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: 19.97 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065353.D

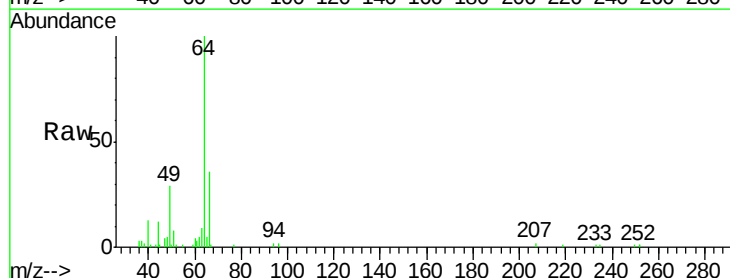
Acq: 28 Feb 2020 11:41

Tgt Ion: 64 Resp: 60058

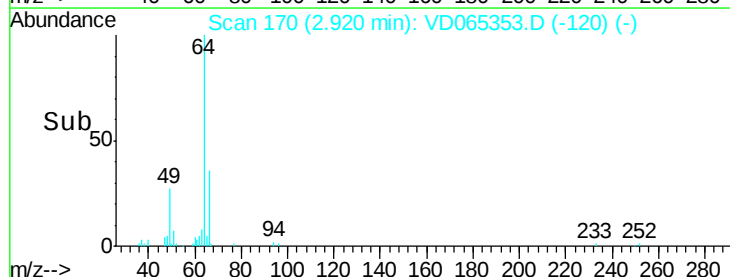
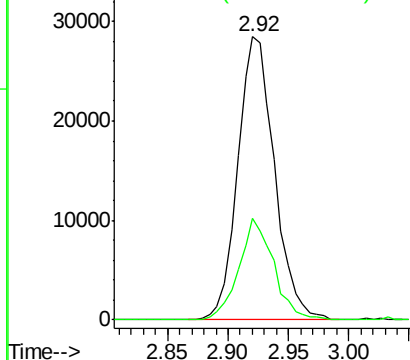
Ion Ratio Lower Upper

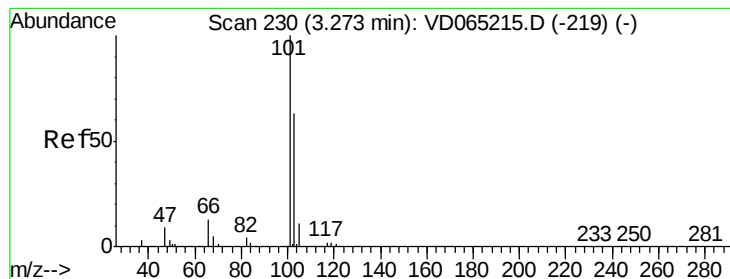
64 100

66 35.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



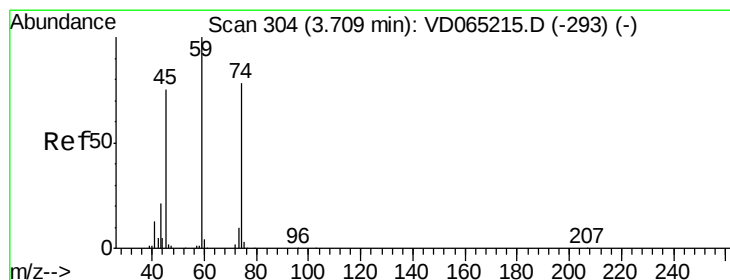
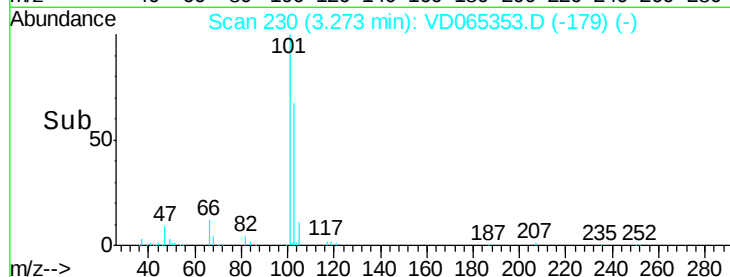
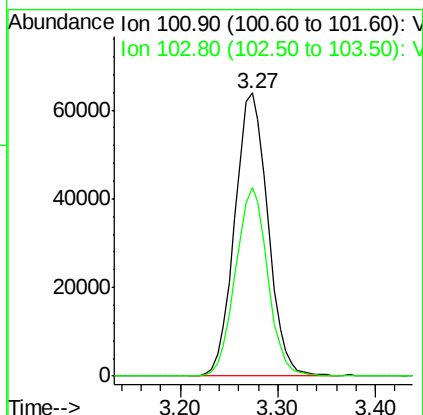
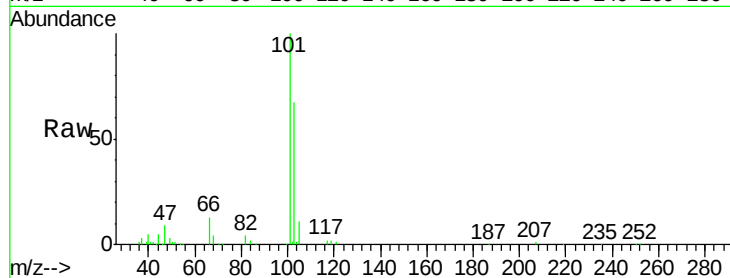


#7

Trichlorofluoromethane
 Concen: 21.52 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

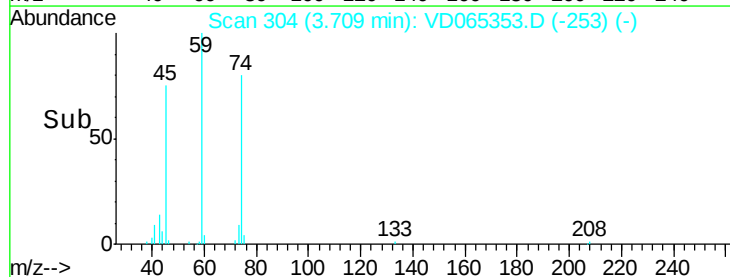
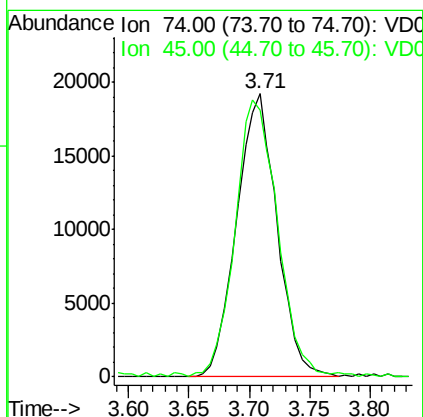
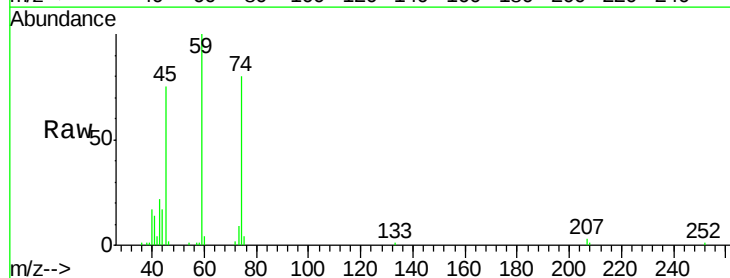
Tgt Ion:101 Resp: 151820
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.7 76.1

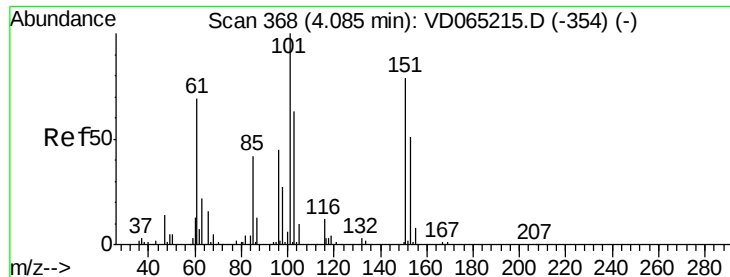


#8

Diethyl Ether
 Concen: 21.04 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 74 Resp: 44810
 Ion Ratio Lower Upper
 74 100
 45 103.4 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.81 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

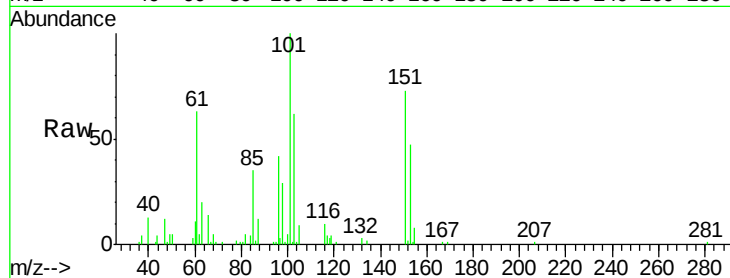
Tgt Ion:101 Resp: 97147

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

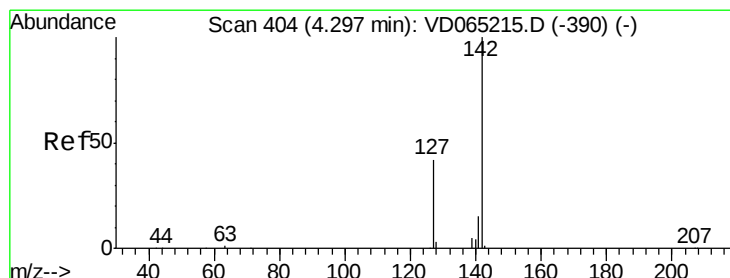
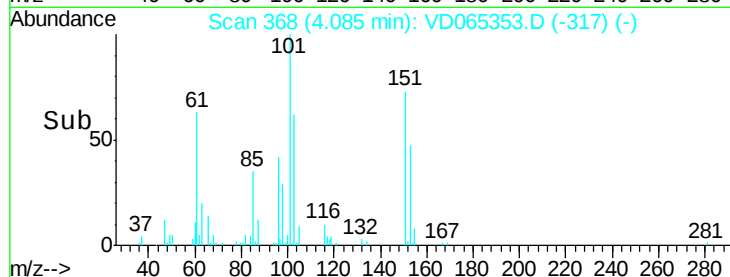
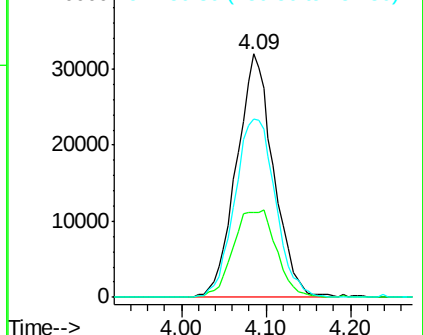
151 80.6 63.5 95.3



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: 20.29 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

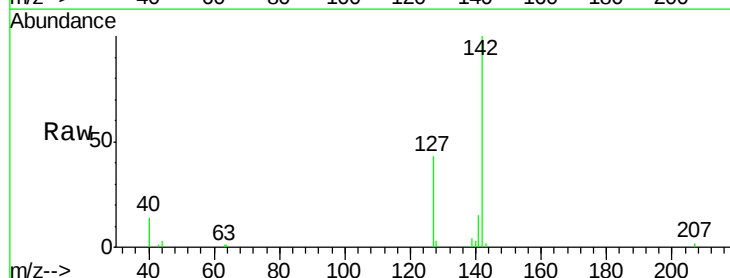
Tgt Ion:142 Resp: 93854

Ion Ratio Lower Upper

142 100

127 43.1 33.8 50.8

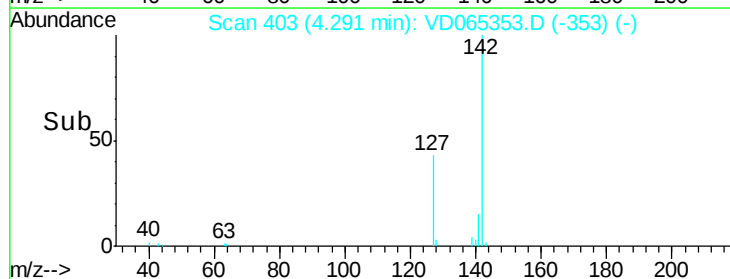
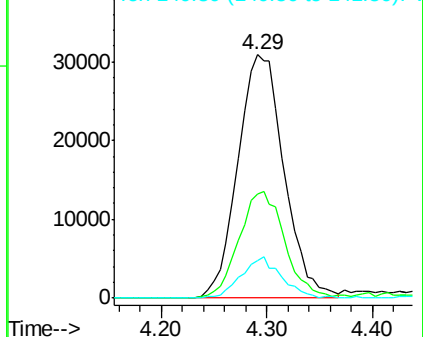
141 14.5 11.7 17.5

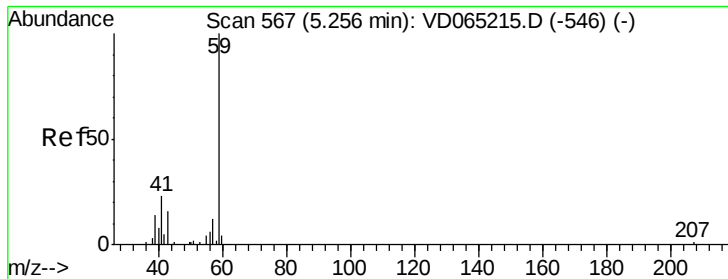


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

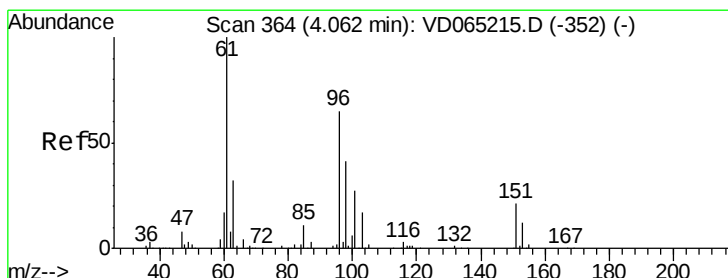
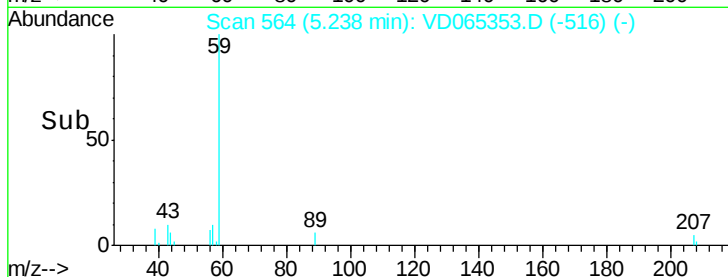
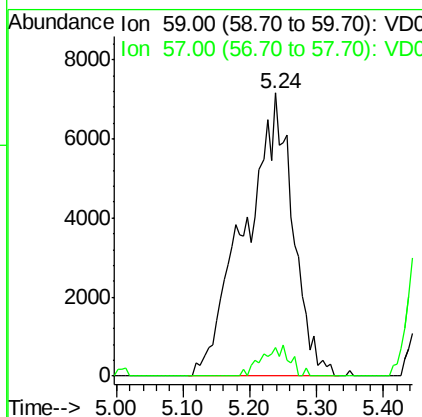
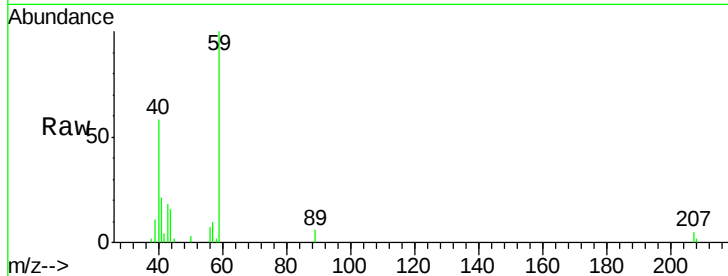




#11
Tert butyl alcohol
Concen: 146.58 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

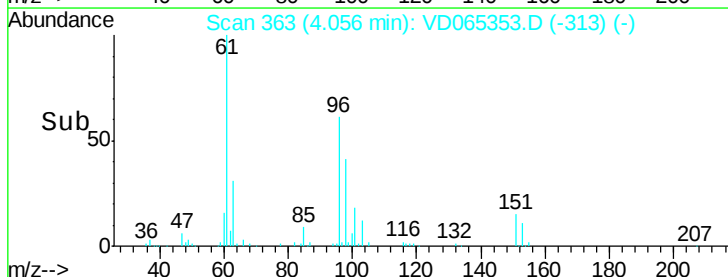
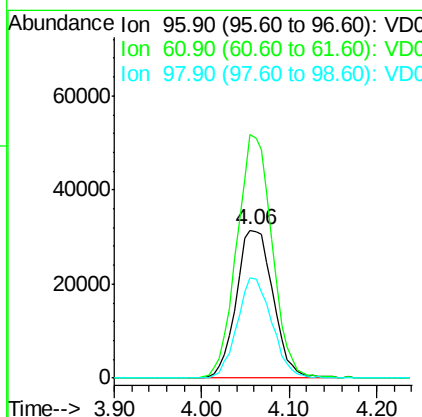
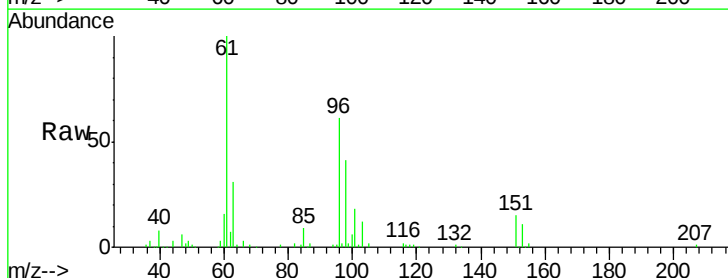
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

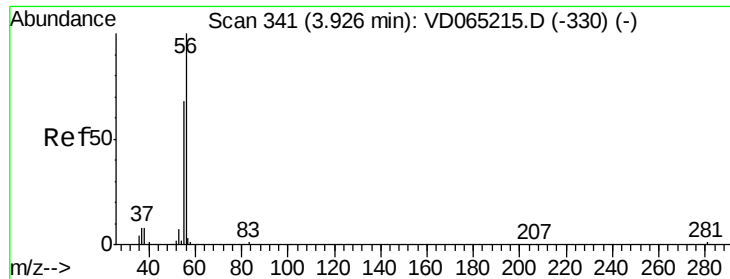
Tgt Ion: 59 Resp: 35764
Ion Ratio Lower Upper
59 100
57 6.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 21.36 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 96 Resp: 89868
Ion Ratio Lower Upper
96 100
61 164.9 123.3 184.9
98 67.9 51.0 76.4





#13

Acrolein

Concen: 85.27 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

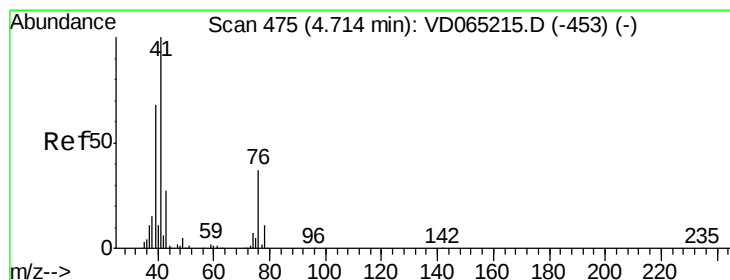
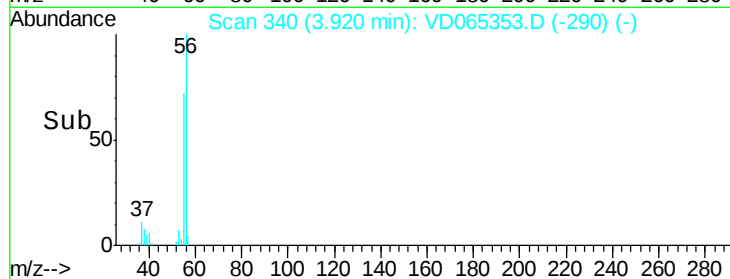
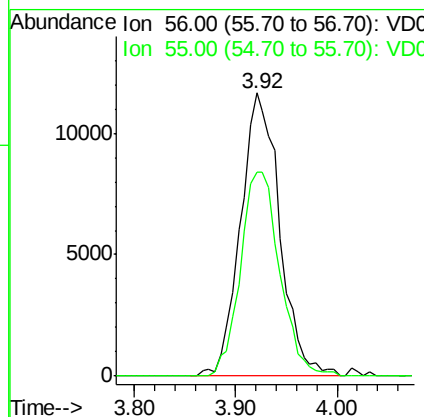
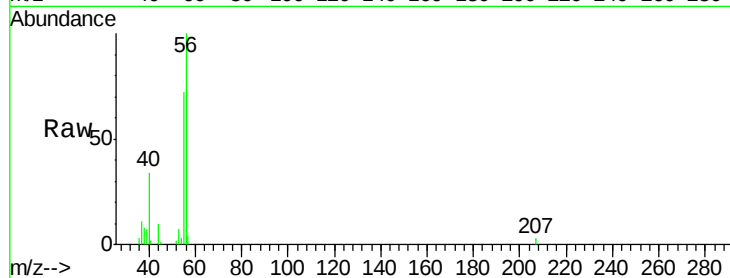
VD0228SBS01

Tgt Ion: 56 Resp: 31246

Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



#14

Allyl chloride

Concen: 21.28 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

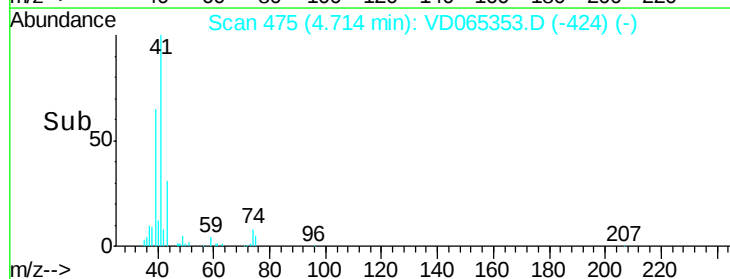
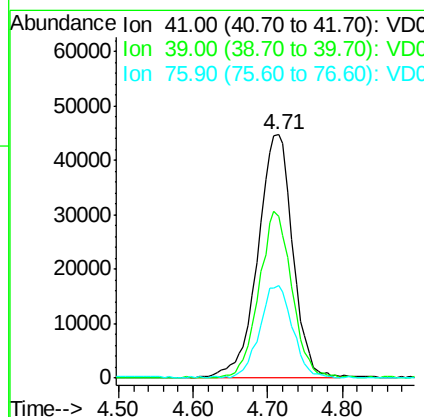
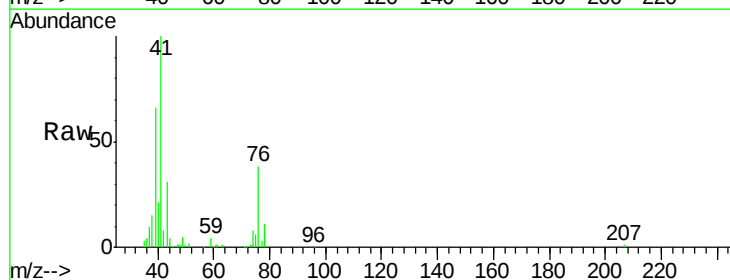
Tgt Ion: 41 Resp: 145409

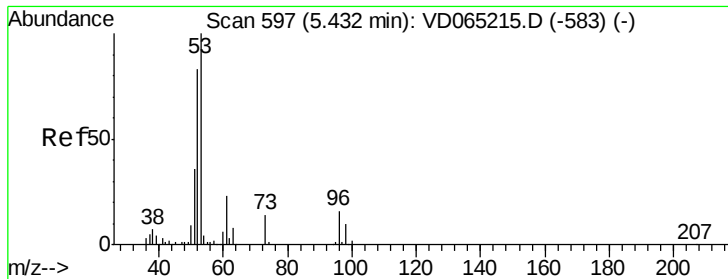
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 36.0 28.7 43.1





#15

Acrylonitrile

Concen: 103.61 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

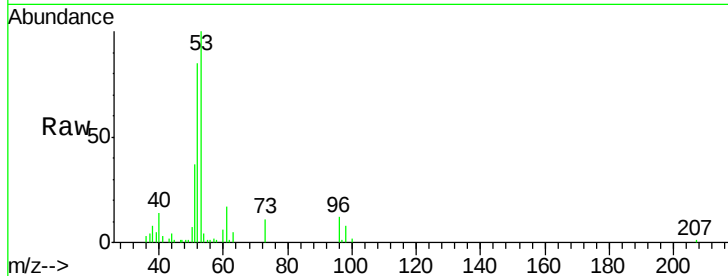
Tgt Ion: 53 Resp: 97672

Ion Ratio Lower Upper

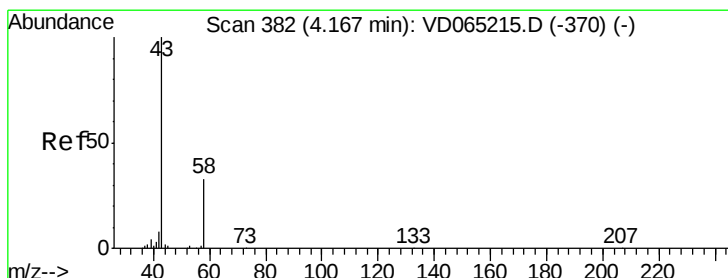
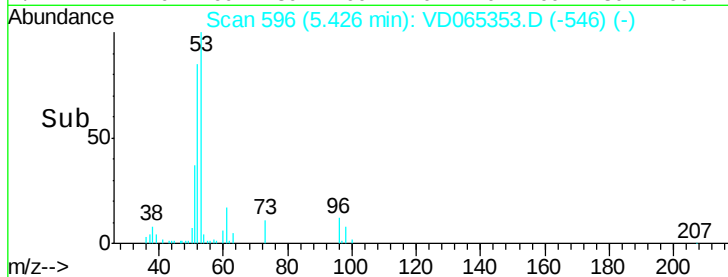
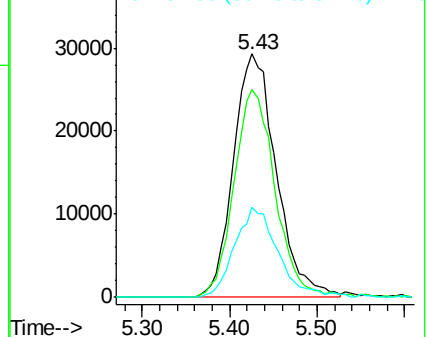
53 100

52 81.8 65.4 98.2

51 36.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.57 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065353.D

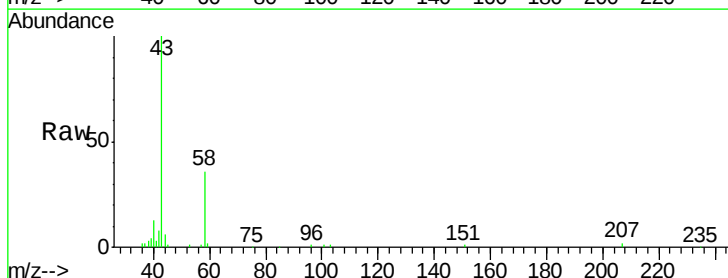
Acq: 28 Feb 2020 11:41

Tgt Ion: 43 Resp: 93390

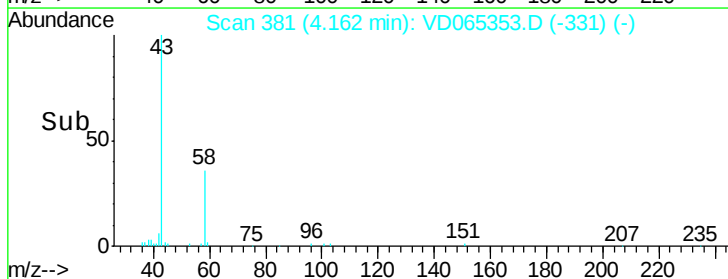
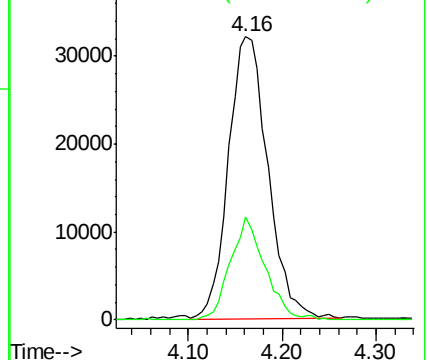
Ion Ratio Lower Upper

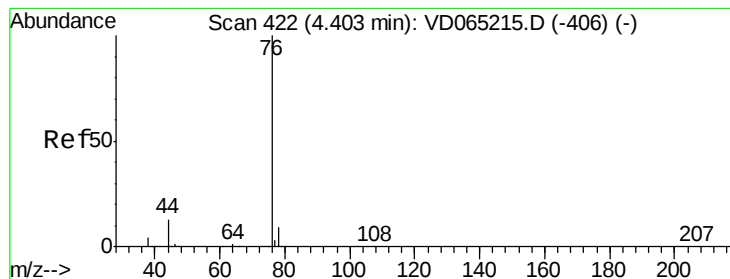
43 100

58 36.5 26.2 39.2



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





#17

Carbon Disulfide

Concen: 20.09 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

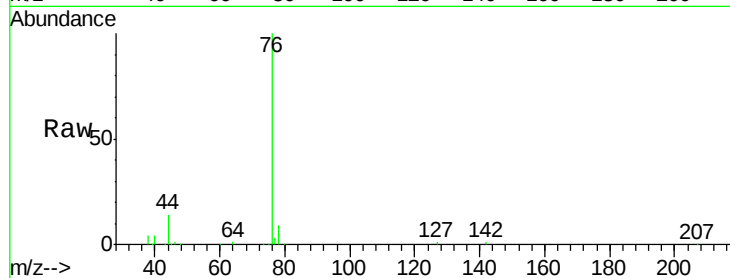
VD0228SBS01

Tgt Ion: 76 Resp: 283500

Ion Ratio Lower Upper

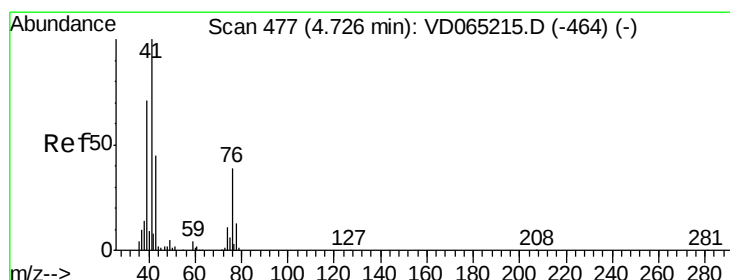
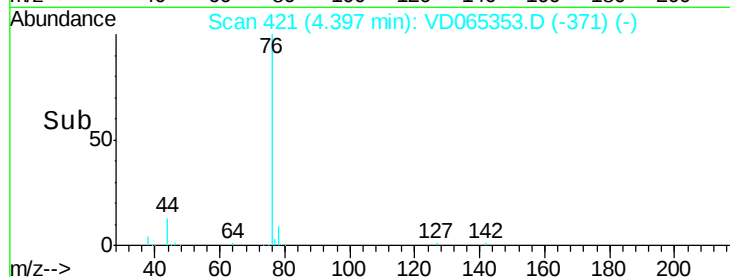
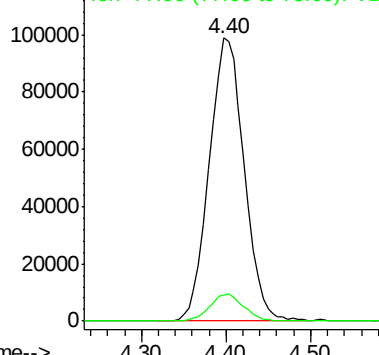
76 100

78 9.2 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: 22.78 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065353.D

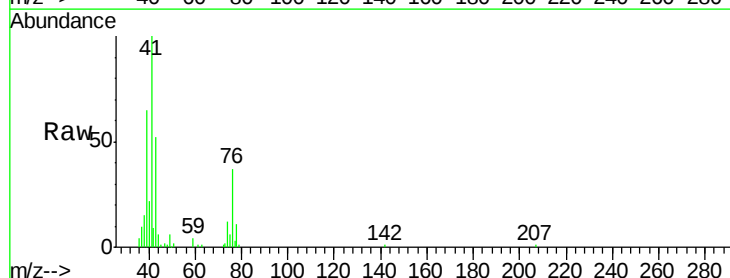
Acq: 28 Feb 2020 11:41

Tgt Ion: 43 Resp: 51136

Ion Ratio Lower Upper

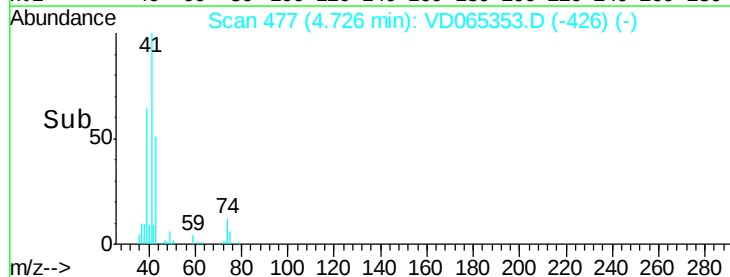
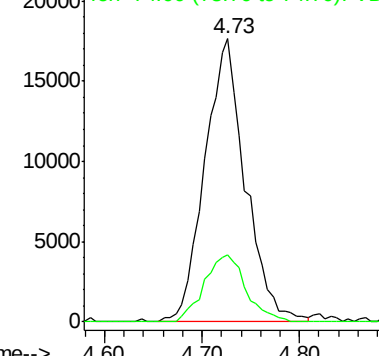
43 100

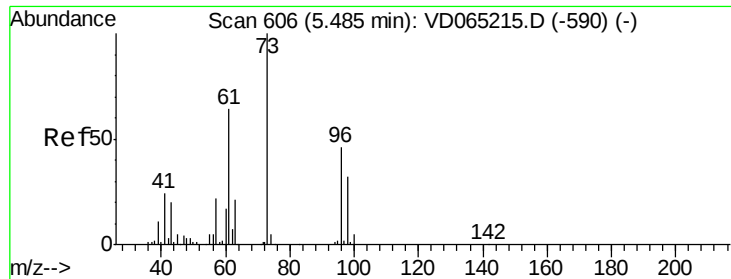
74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

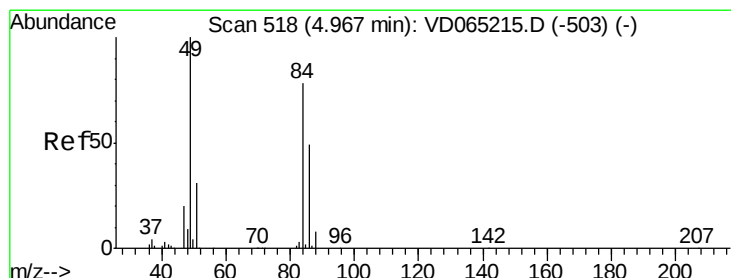
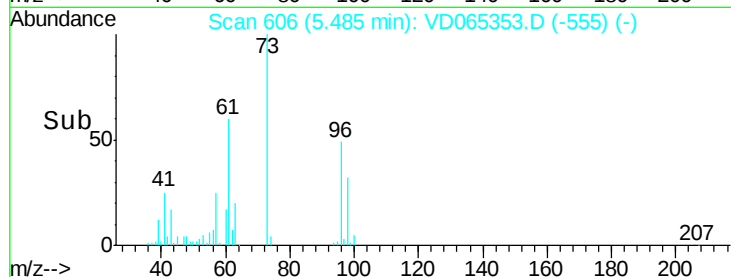
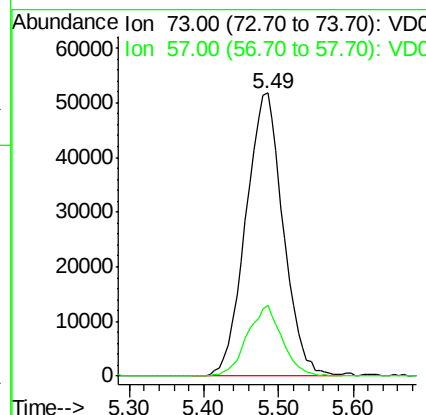
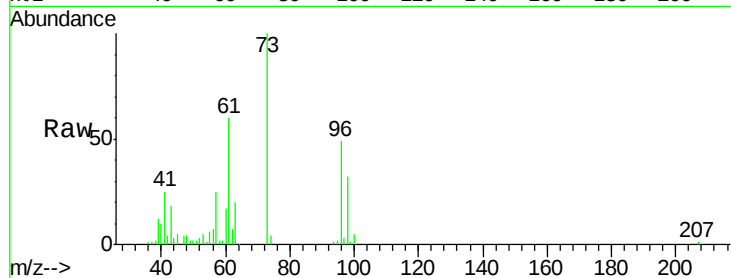




#19
Methyl tert-butyl Ether
Concen: 20.54 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

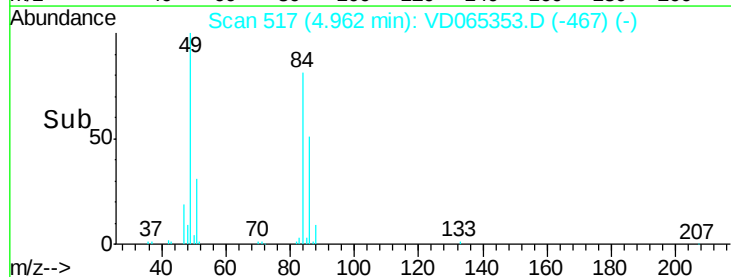
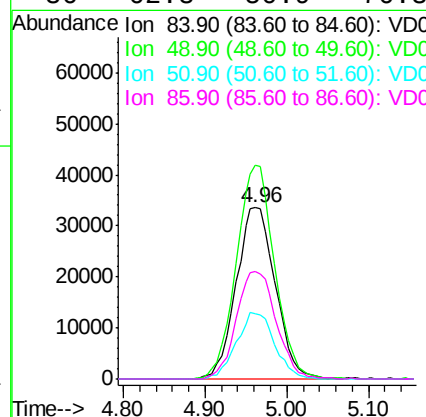
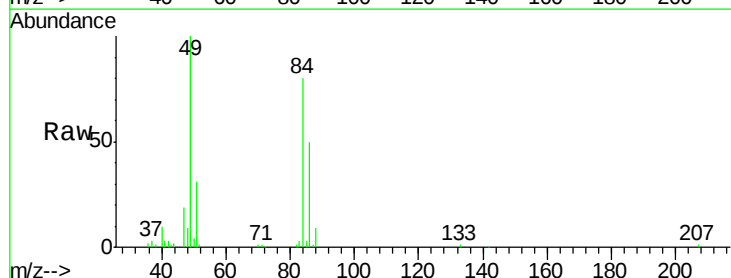
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

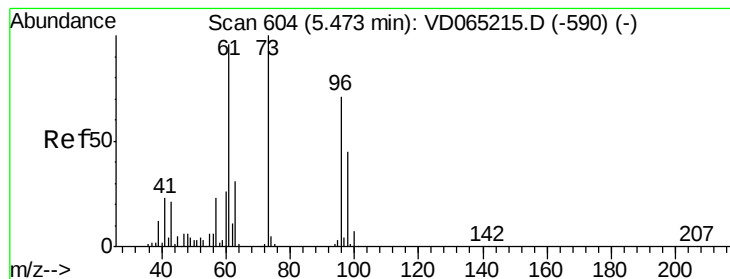
Tgt Ion: 73 Resp: 180256
Ion Ratio Lower Upper
73 100
57 25.3 17.3 25.9



#20
Methylene Chloride
Concen: 22.65 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 84 Resp: 111827
Ion Ratio Lower Upper
84 100
49 124.6 103.1 154.7
51 38.4 31.7 47.5
86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 22.13 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

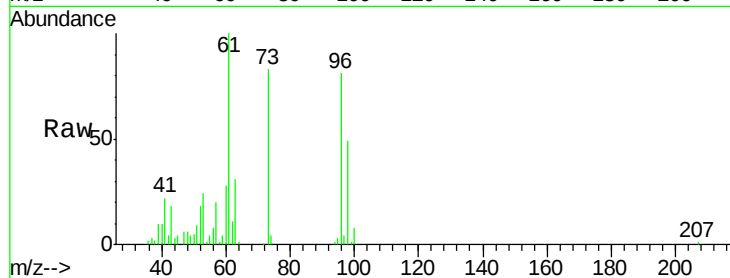
Tgt Ion: 96 Resp: 105869

Ion Ratio Lower Upper

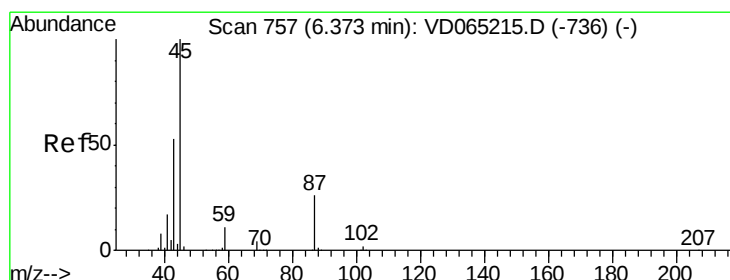
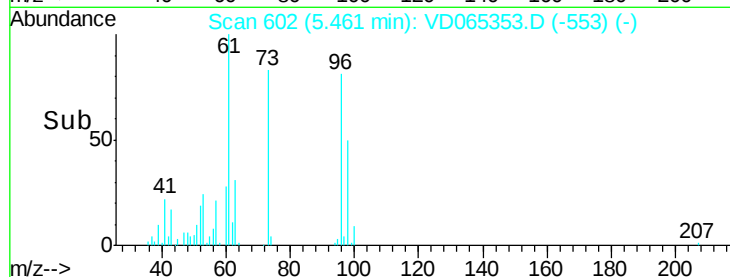
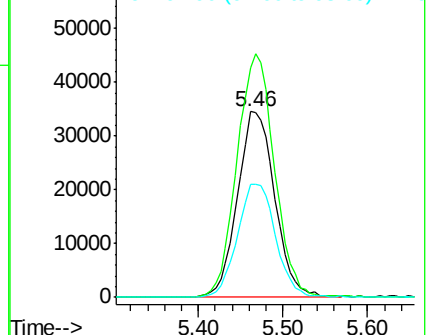
96 100

61 123.7 108.3 162.5

98 61.0 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: 21.86 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion: 45 Resp: 287942

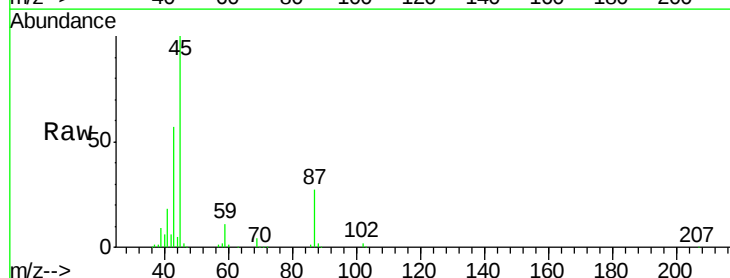
Ion Ratio Lower Upper

45 100

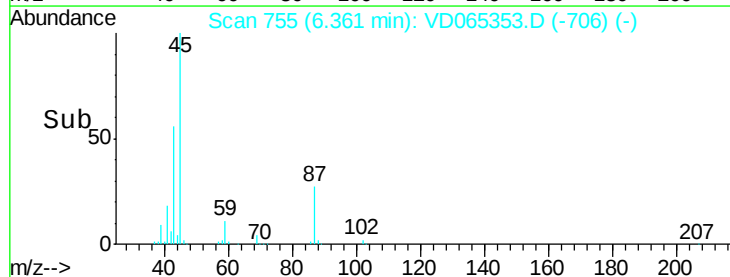
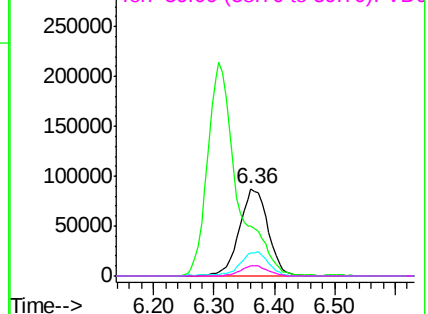
43 55.5 42.6 64.0

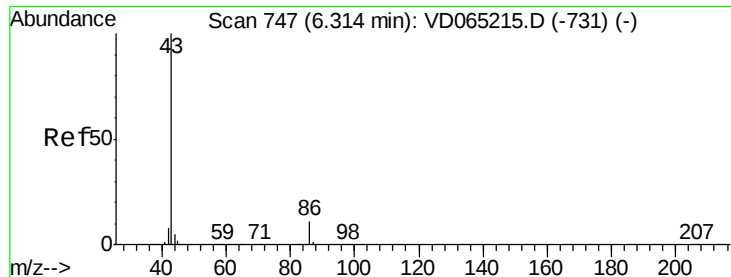
87 26.5 21.2 31.8

59 11.3 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: 100.49 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

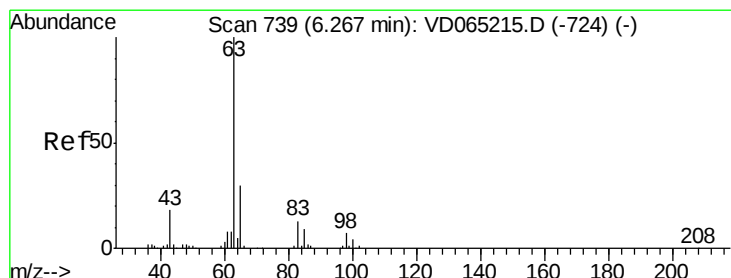
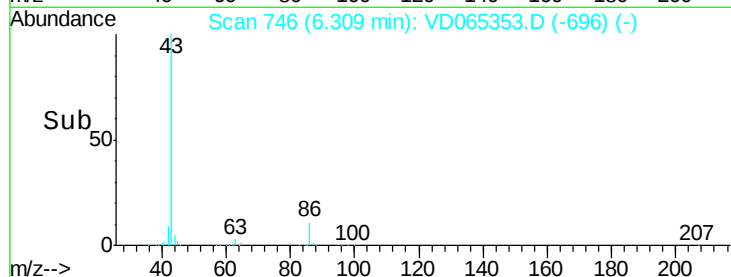
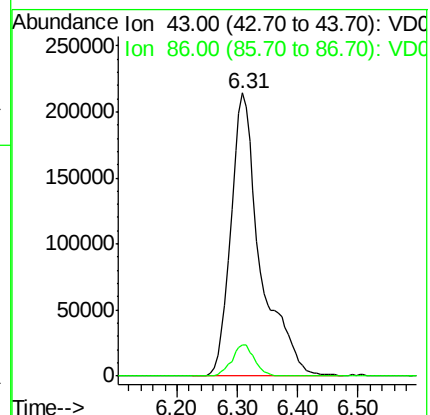
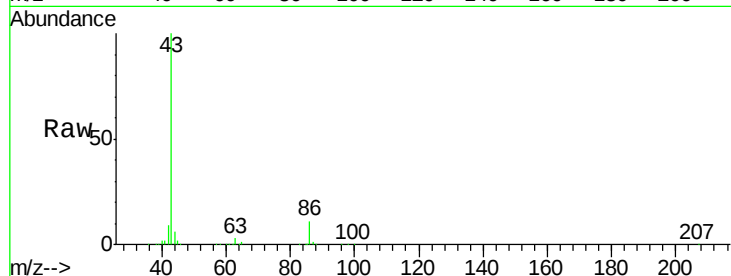
VD0228SBS01

Tgt Ion: 43 Resp: 729858

Ion Ratio Lower Upper

43 100

86 11.0 8.6 12.8



#24

1,1-Dichloroethane

Concen: 21.80 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

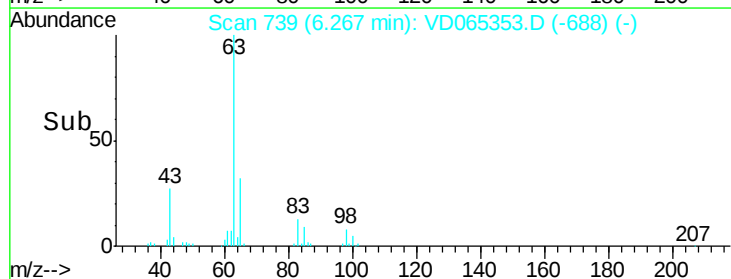
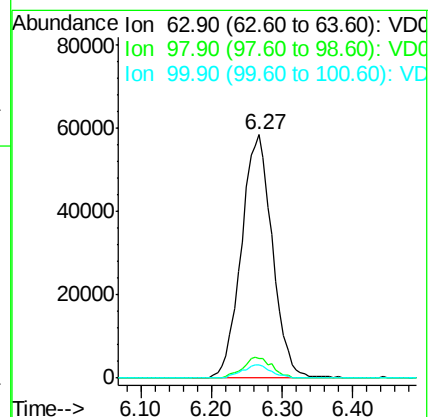
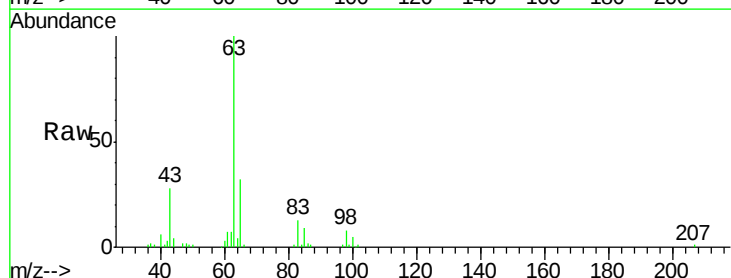
Tgt Ion: 63 Resp: 178132

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.1

100 5.4 2.3 6.8

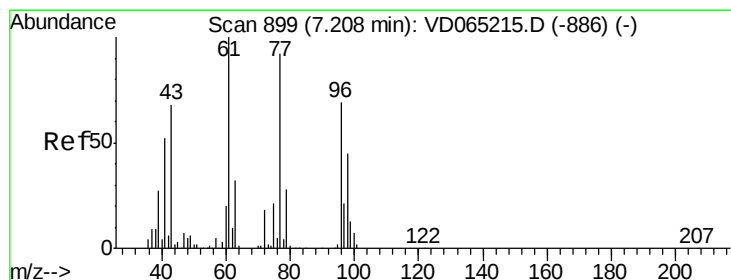
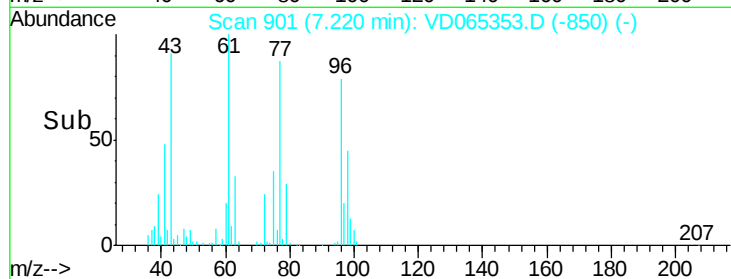
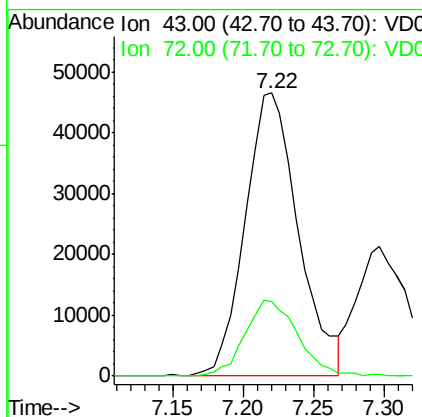
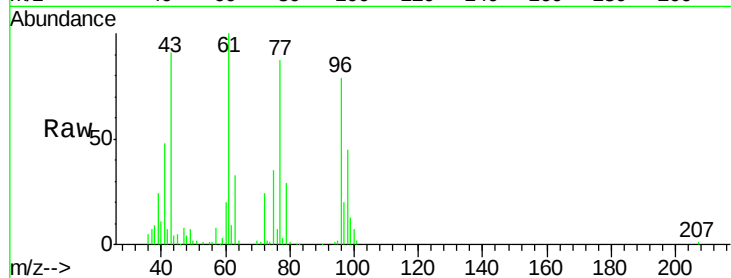




#25
 2-Butanone
 Concen: 97.65 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

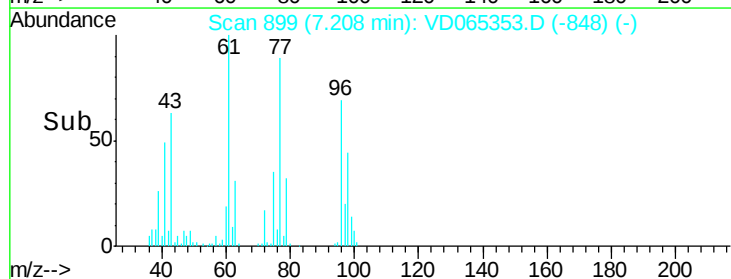
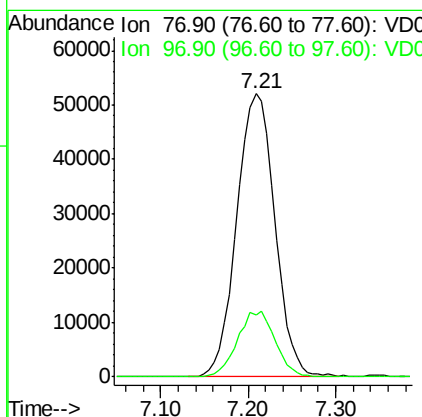
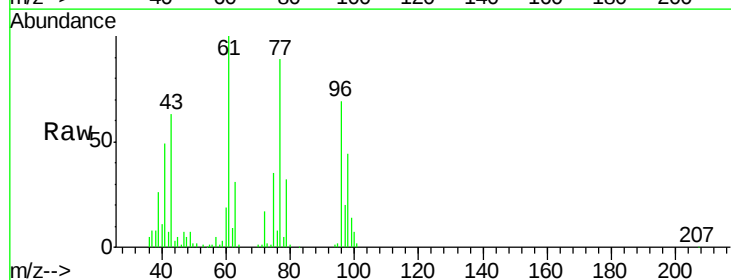
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tgt Ion: 43 Resp: 123316
 Ion Ratio Lower Upper
 43 100
 72 26.5 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 21.76 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 77 Resp: 154304
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 21.74 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

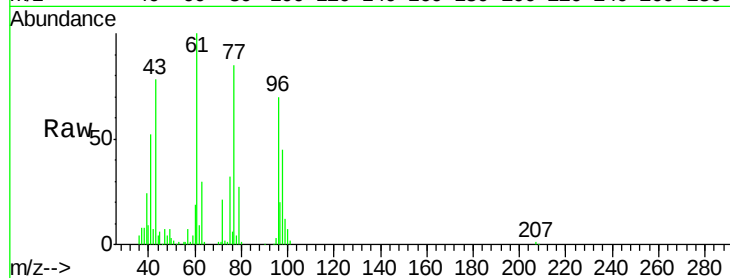
Tgt Ion: 96 Resp: 110144

Ion Ratio Lower Upper

96 100

61 142.1 0.0 286.0

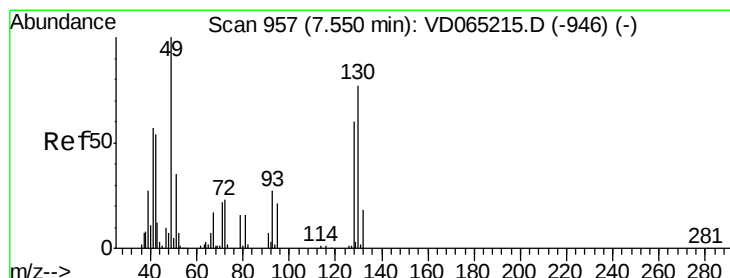
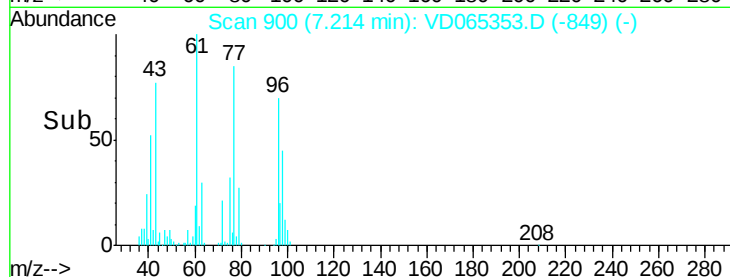
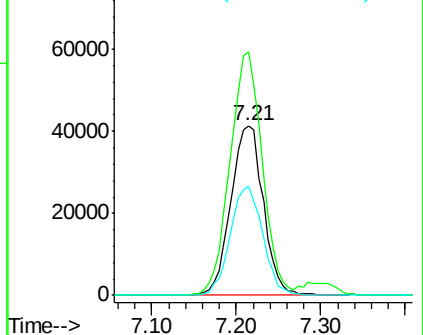
98 64.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.14 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

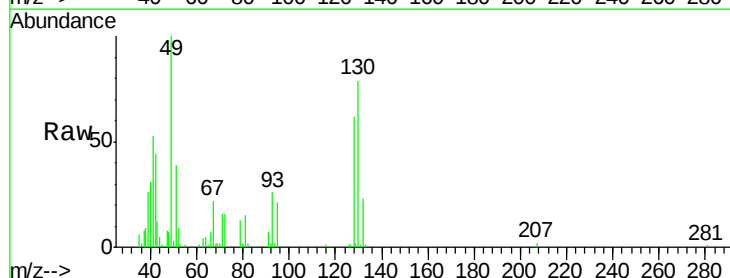
Tgt Ion: 49 Resp: 58024

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.6

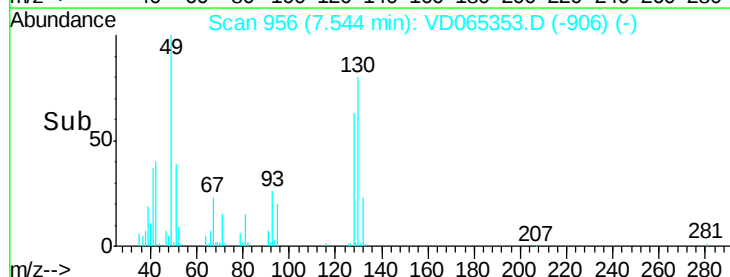
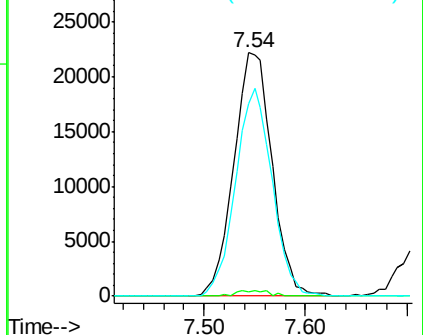
130 81.6 64.7 97.1

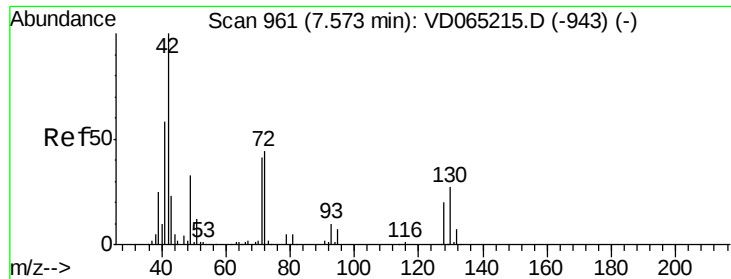


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

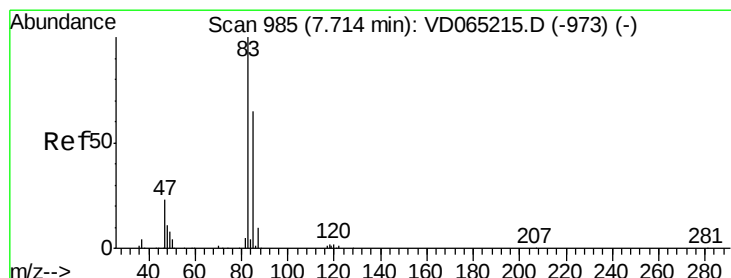
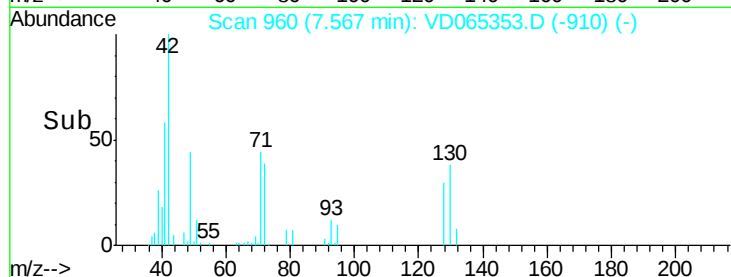
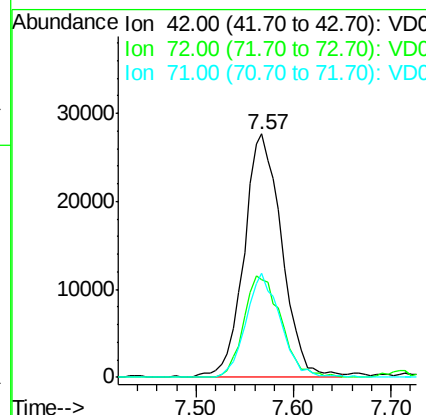
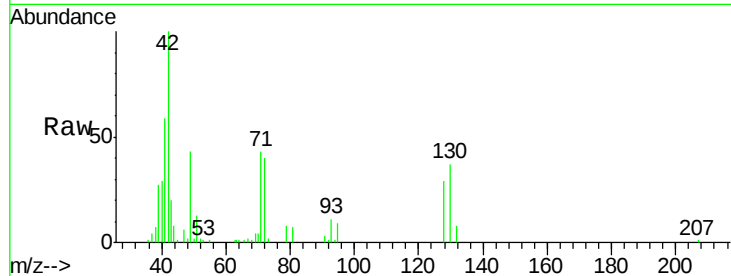




#29
Tetrahydrofuran
Concen: 101.31 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

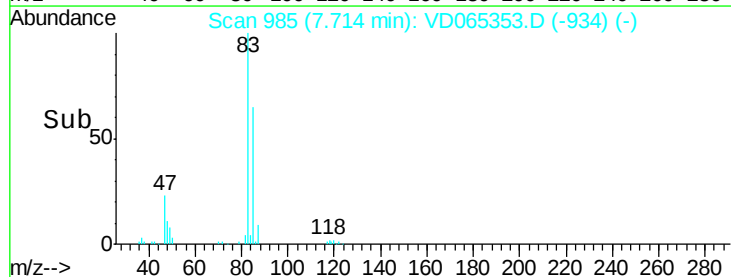
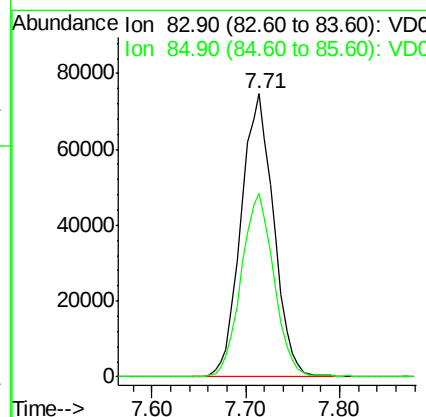
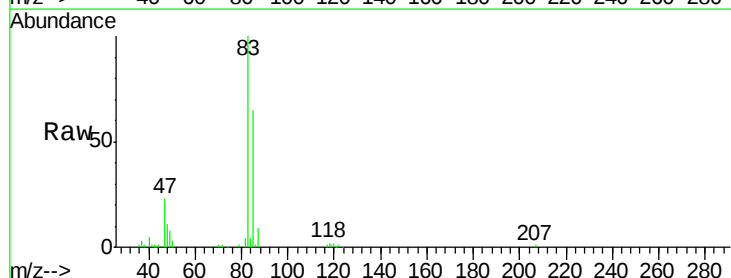
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

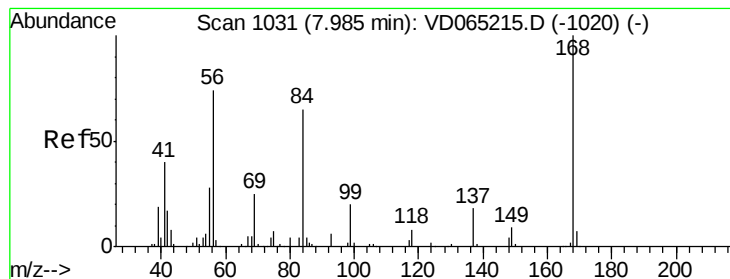
Tgt Ion: 42 Resp: 74959
Ion Ratio Lower Upper
42 100
72 41.2 33.7 50.5
71 39.1 31.4 47.2



#30
Chloroform
Concen: 21.89 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 83 Resp: 180210
Ion Ratio Lower Upper
83 100
85 64.9 52.3 78.5





#31

Cyclohexane

Concen: 20.64 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

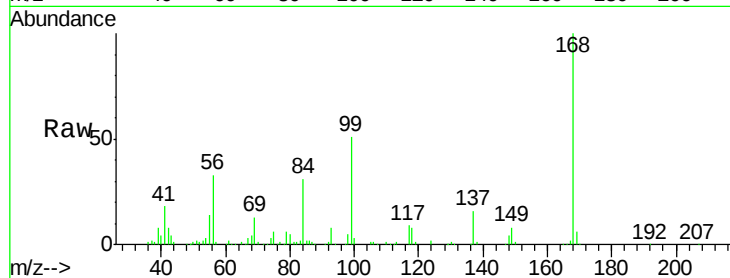
Tgt Ion: 56 Resp: 165710

Ion Ratio Lower Upper

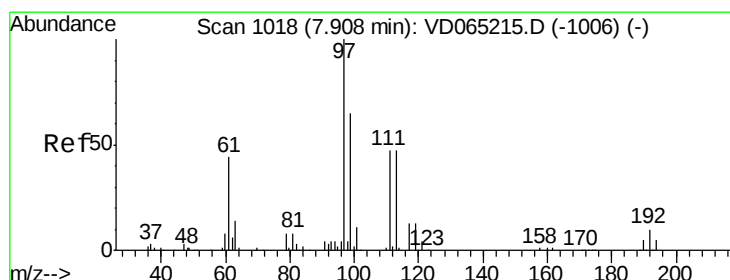
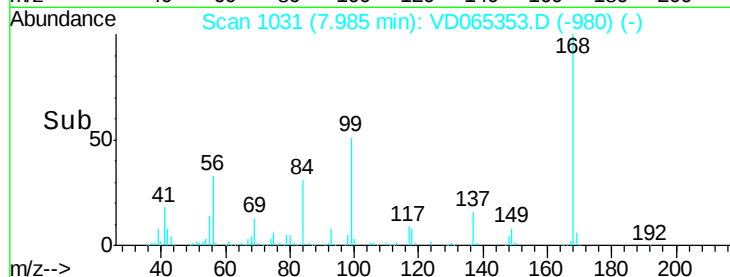
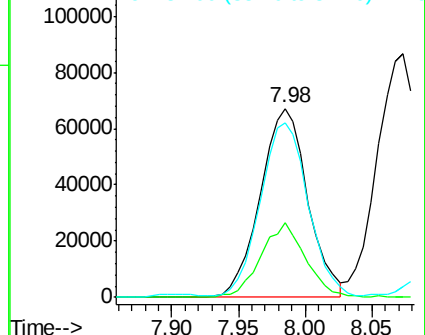
56 100

69 39.3 27.4 41.0

84 91.3 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: 22.40 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

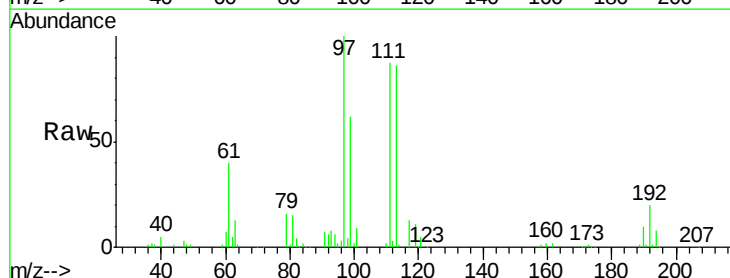
Tgt Ion: 97 Resp: 164992

Ion Ratio Lower Upper

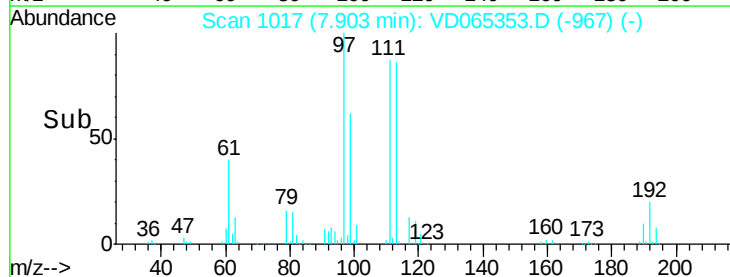
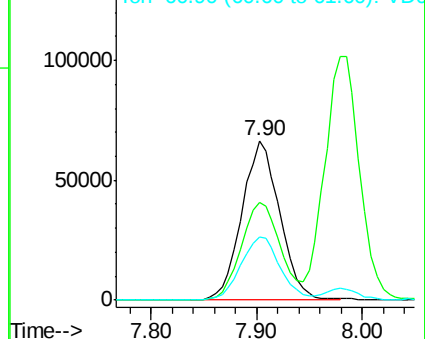
97 100

99 64.1 51.4 77.2

61 41.4 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: 52.64 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

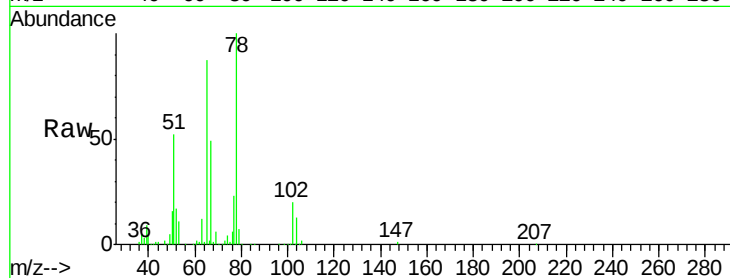
VD0228SBS01

Tgt Ion: 65 Resp: 214956

Ion Ratio Lower Upper

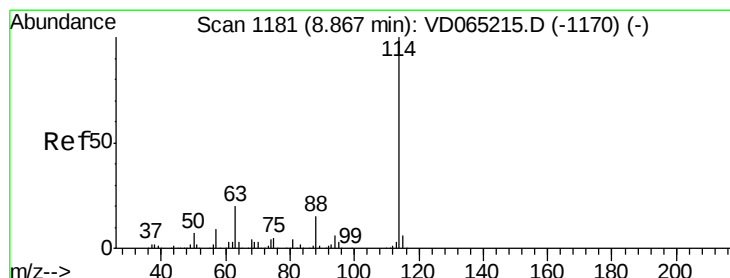
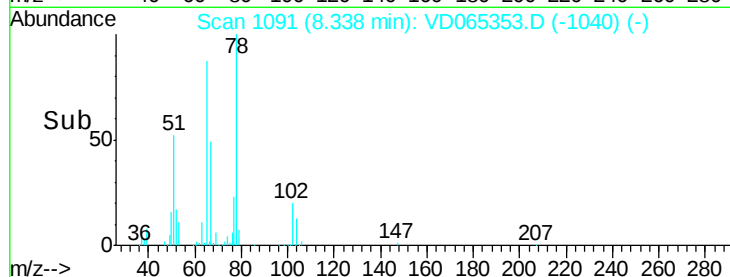
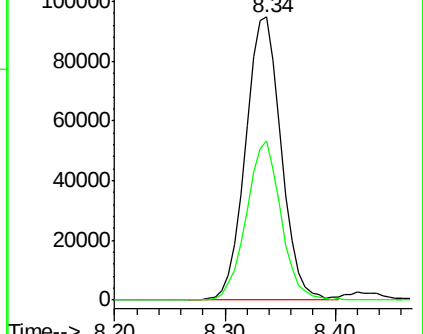
65 100

67 54.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

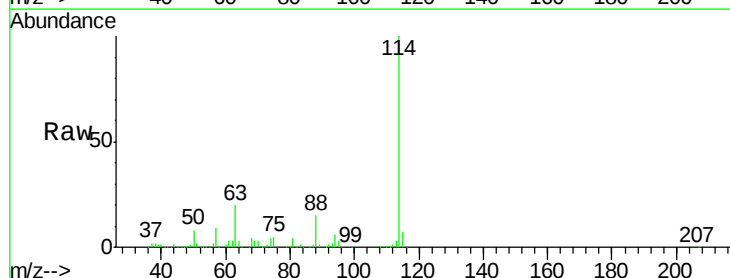
Tgt Ion: 114 Resp: 661917

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

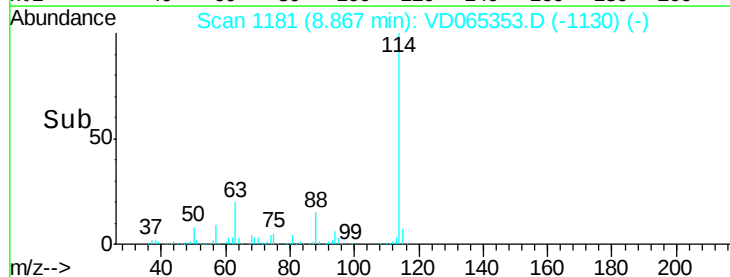
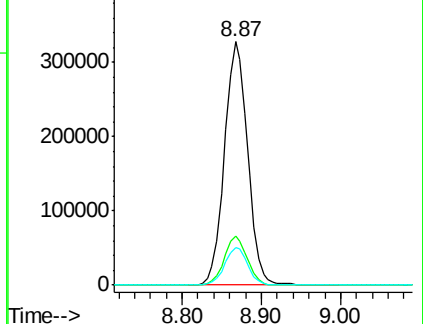
88 15.5 0.0 30.4

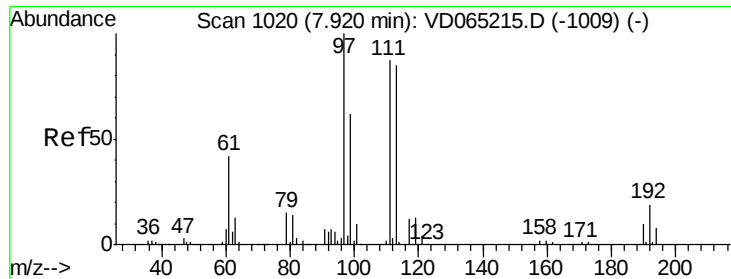


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

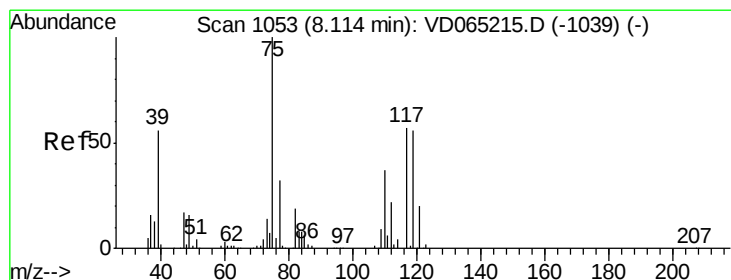
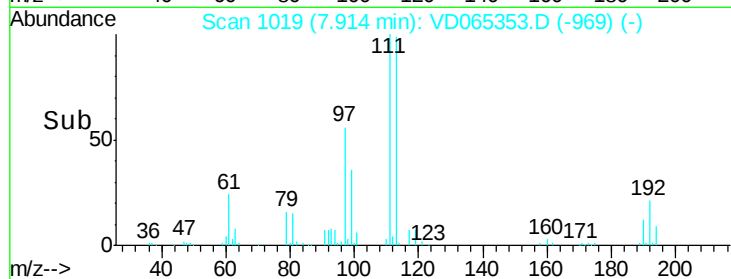
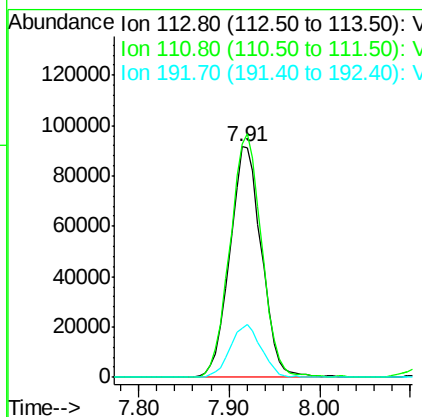
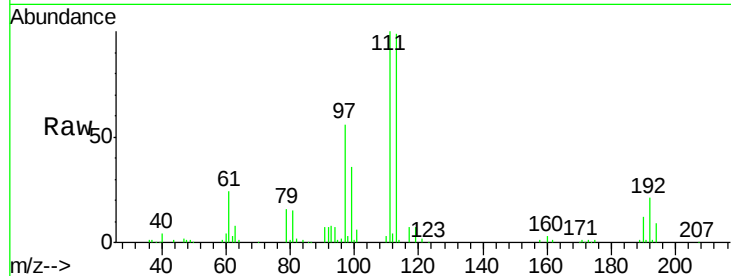




#35
 Dibromofluoromethane
 Concen: 55.23 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

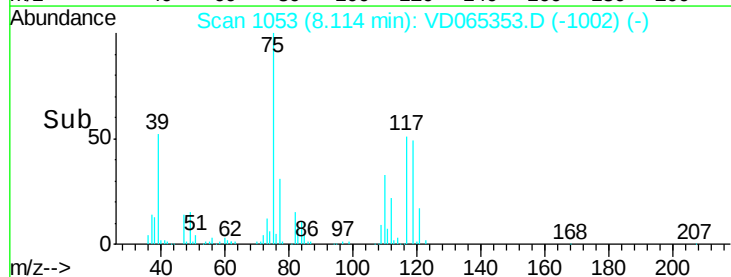
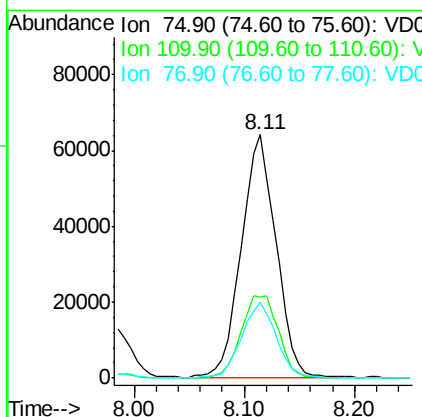
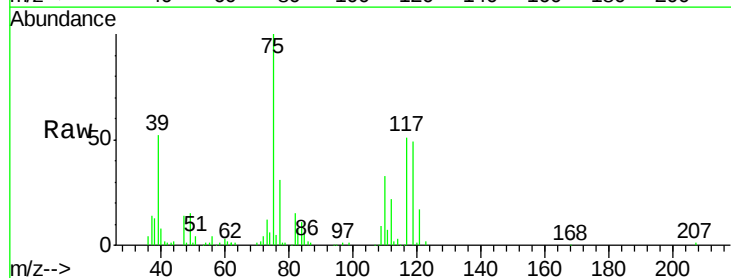
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

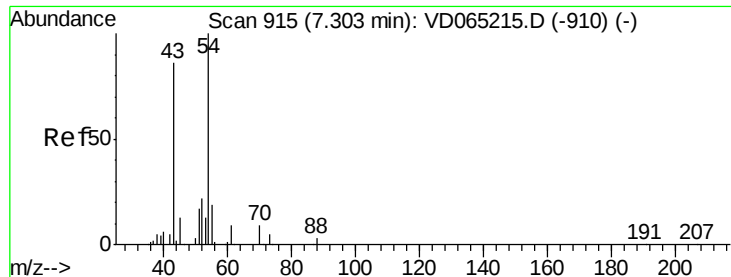
Tgt Ion: 113 Resp: 222916
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.9 124.3
 192 22.7 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 21.97 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 75 Resp: 141508
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.9 53.7
 77 31.3 25.1 37.7

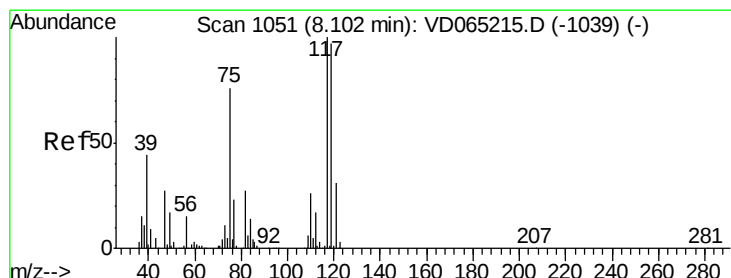
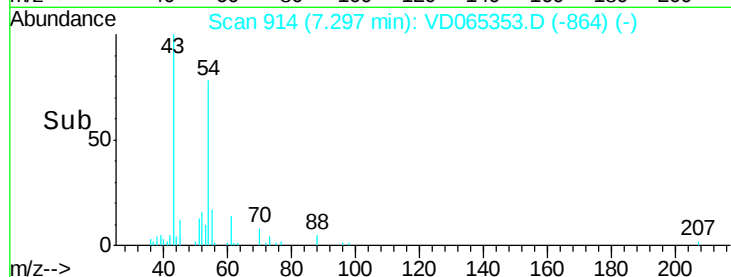
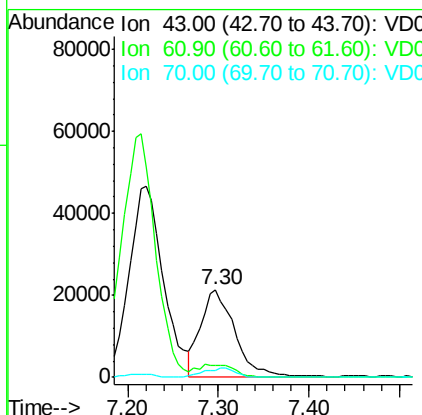
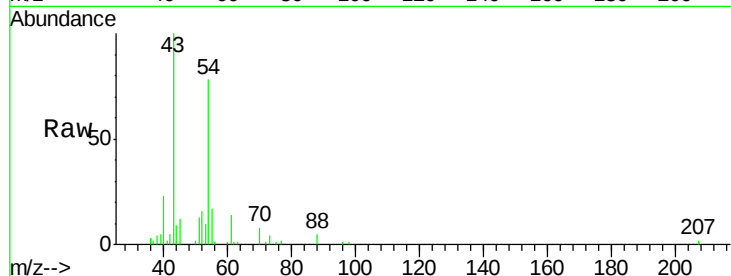




#37
Ethyl Acetate
Concen: 21.07 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

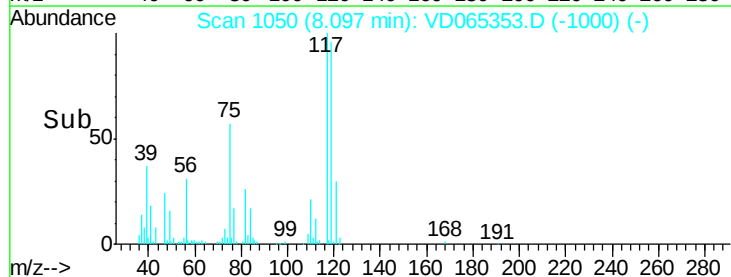
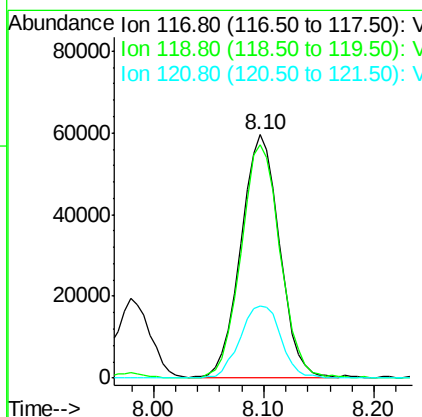
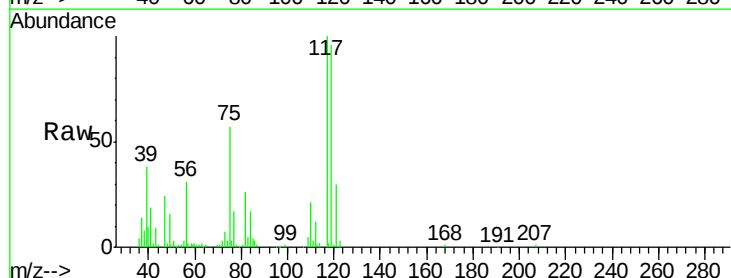
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion: 43 Resp: 56738
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.21 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 117 Resp: 145594
Ion Ratio Lower Upper
117 100
119 96.3 77.6 116.4
121 29.9 24.8 37.2

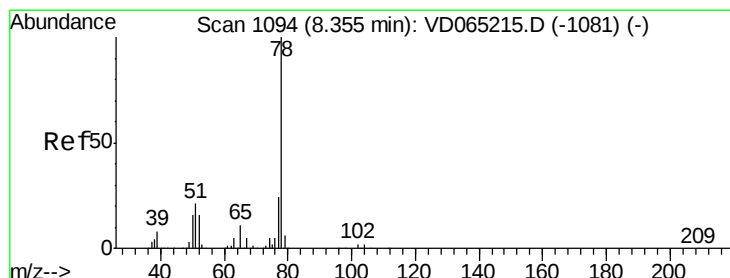
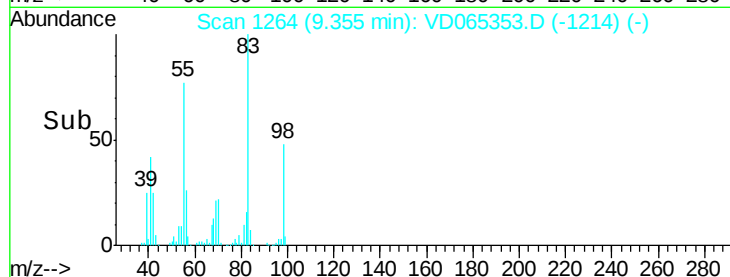
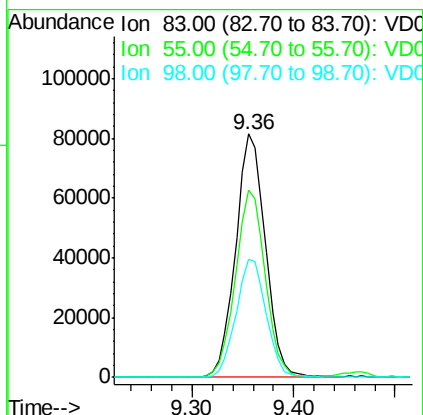
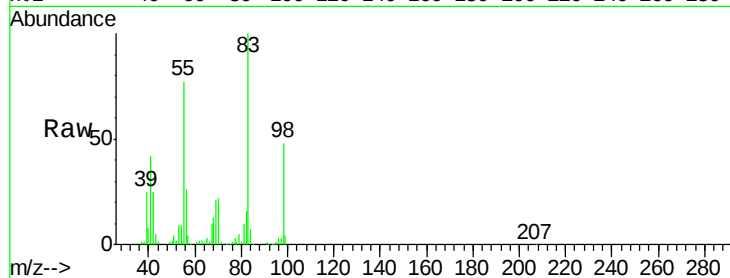




#39
Methylcyclohexane
Concen: 22.02 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

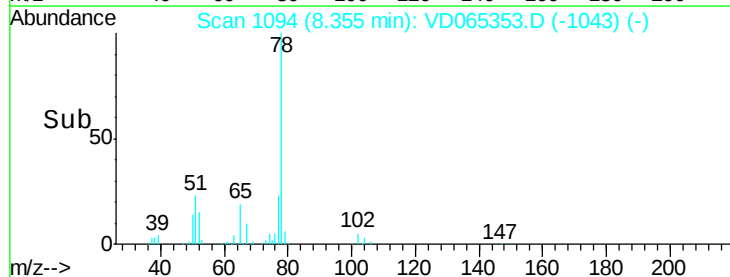
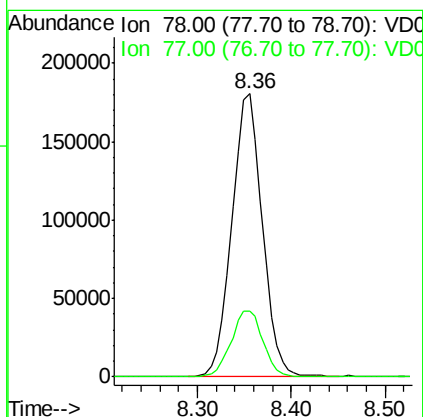
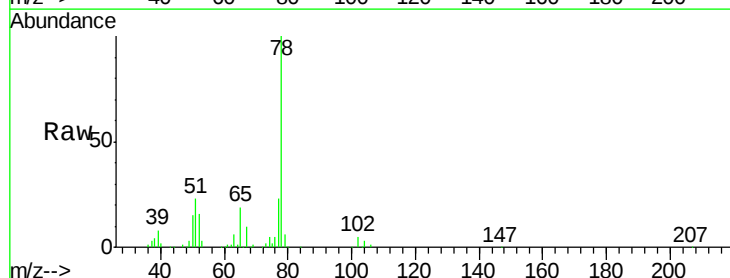
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

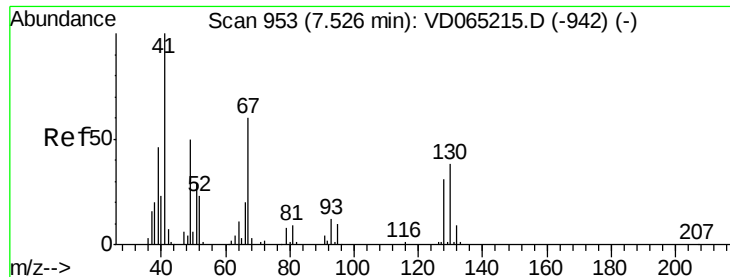
Tgt Ion: 83 Resp: 166698
Ion Ratio Lower Upper
83 100
55 77.1 61.8 92.6
98 48.5 39.4 59.0



#40
Benzene
Concen: 22.35 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 78 Resp: 406303
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

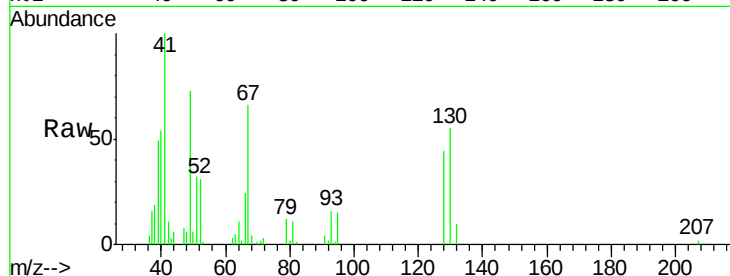




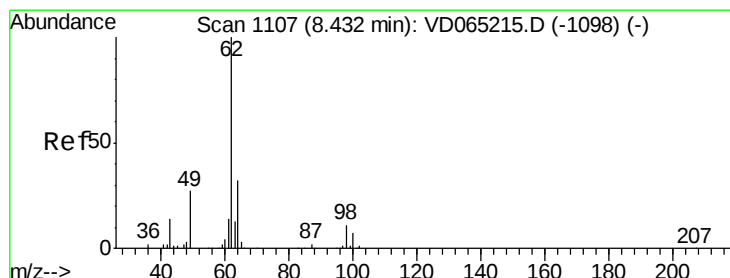
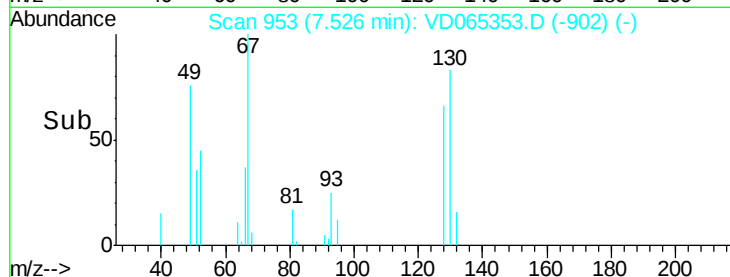
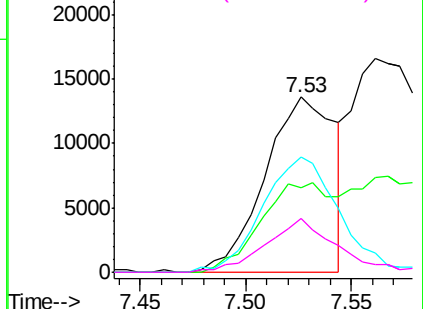
#41
Methacrylonitrile
Concen: 20.17 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion:	41	Resp:	31350
Ion	Ratio	Lower	Upper
41	100		
39	53.7	48.1	72.1
67	71.5	58.9	88.3
52	31.2	24.2	36.2

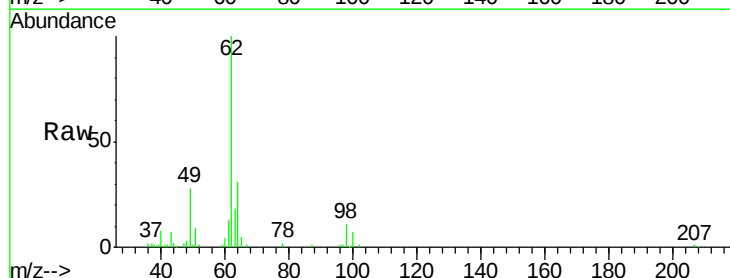


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

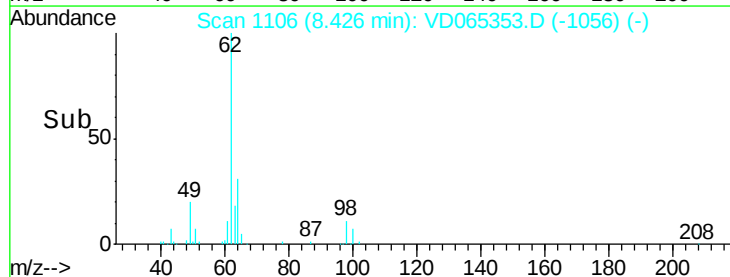
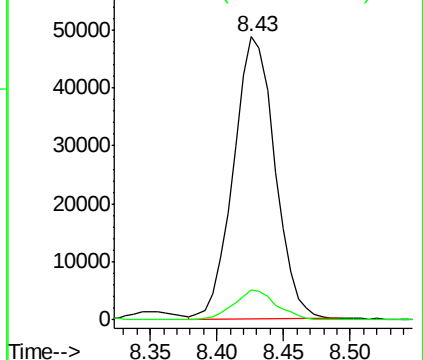


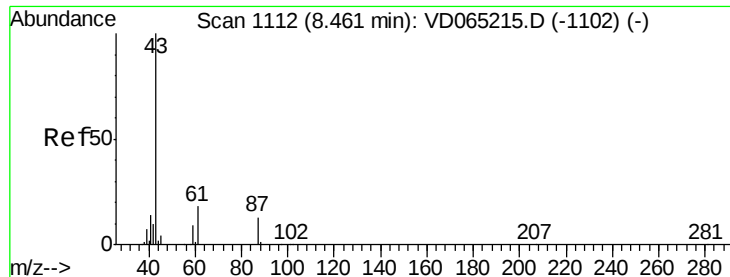
#42
1,2-Dichloroethane
Concen: 20.99 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:	62	Resp:	104911
Ion	Ratio	Lower	Upper
62	100		
98	10.9	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: 20.08 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

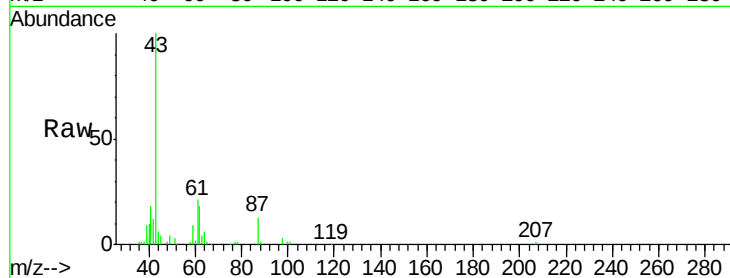
Tgt Ion: 43 Resp: 98295

Ion Ratio Lower Upper

43 100

61 31.6 24.6 36.8

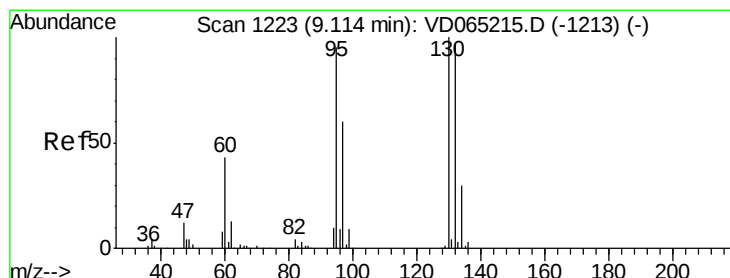
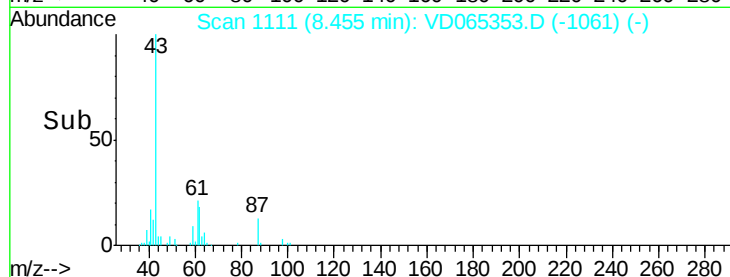
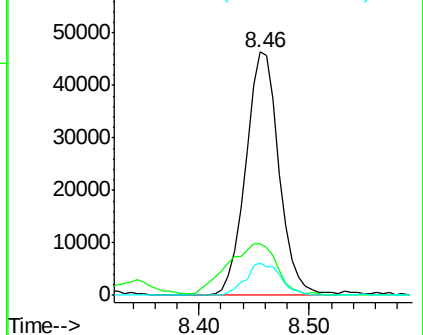
87 13.7 10.6 16.0



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: 22.54 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065353.D

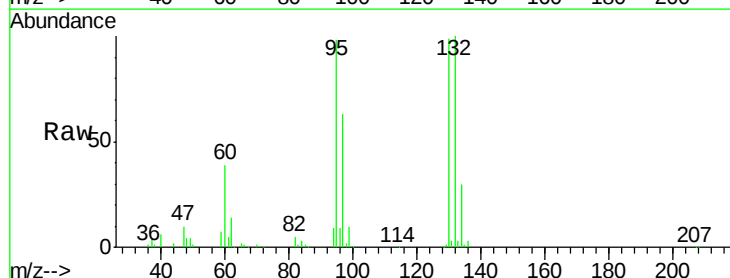
Acq: 28 Feb 2020 11:41

Tgt Ion:130 Resp: 113580

Ion Ratio Lower Upper

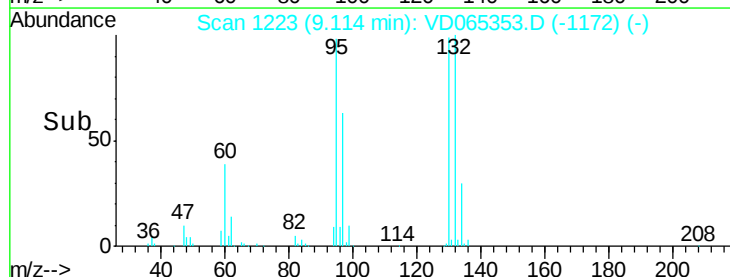
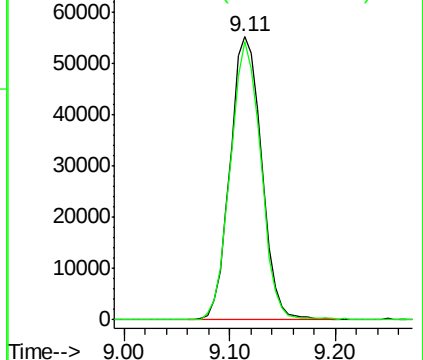
130 100

95 98.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.55 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

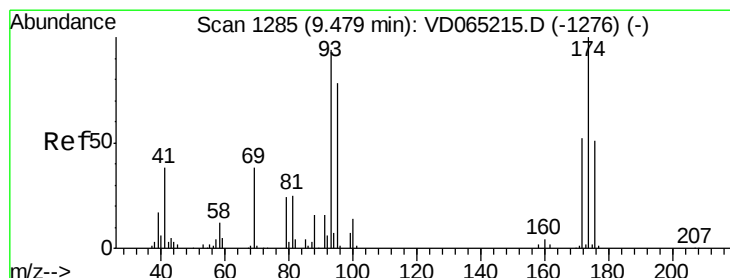
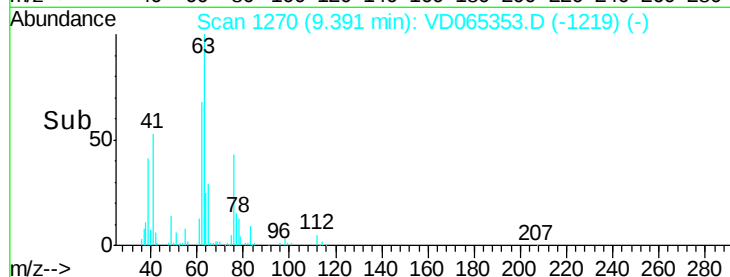
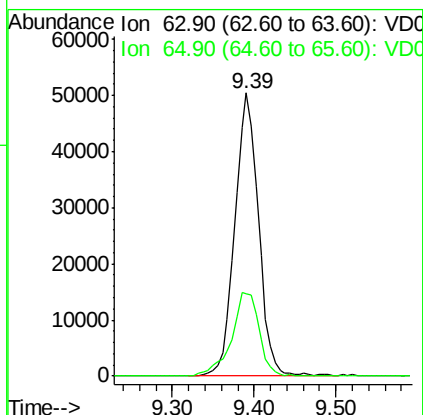
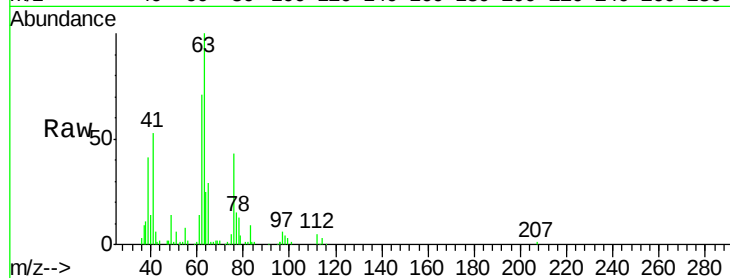
VD0228SBS01

Tgt Ion: 63 Resp: 101933

Ion Ratio Lower Upper

63 100

65 29.3 24.9 37.3



#46

Dibromomethane

Concen: 22.09 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

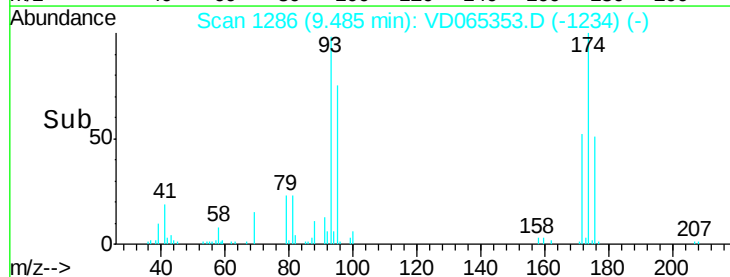
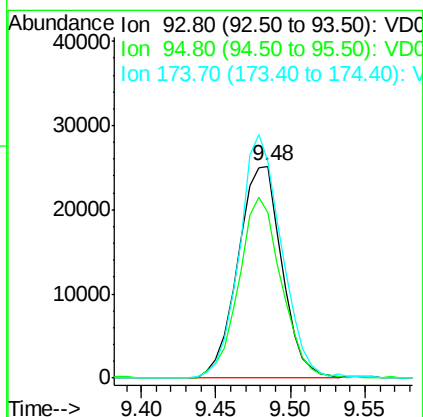
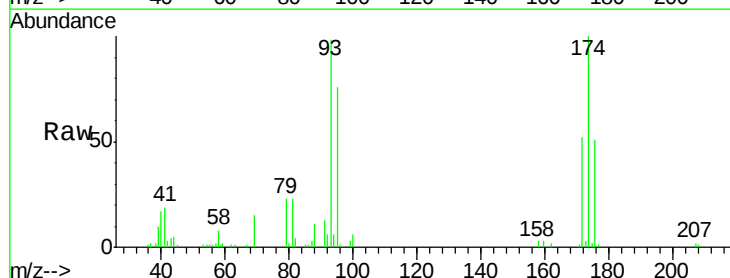
Tgt Ion: 93 Resp: 51386

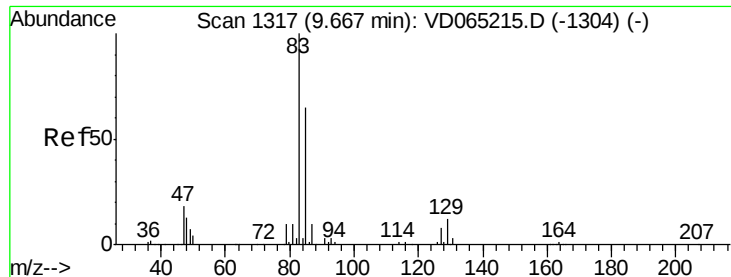
Ion Ratio Lower Upper

93 100

95 82.7 65.8 98.6

174 110.5 86.8 130.2

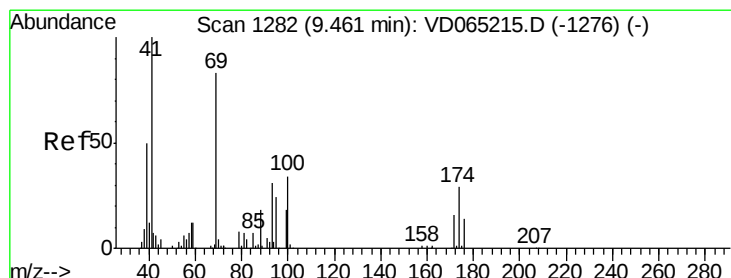
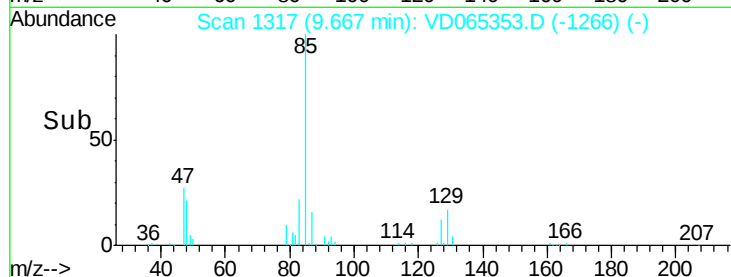
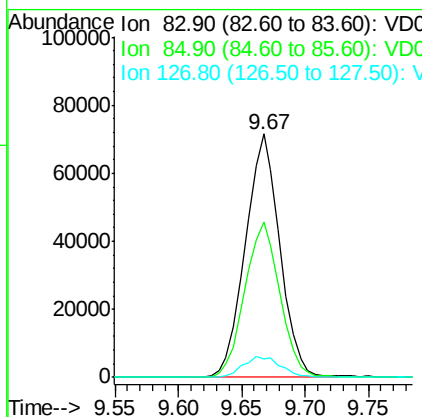
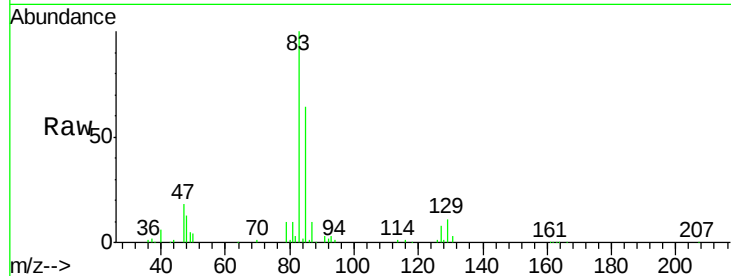




#47
 Bromodichloromethane
 Concen: 22.13 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

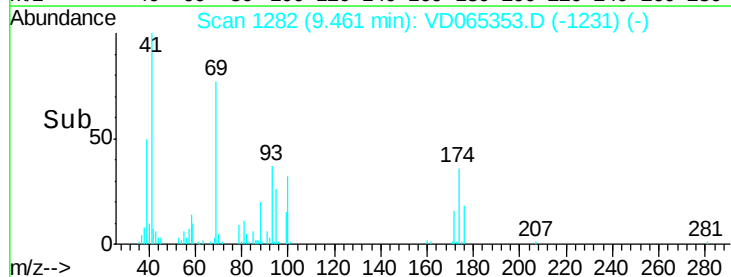
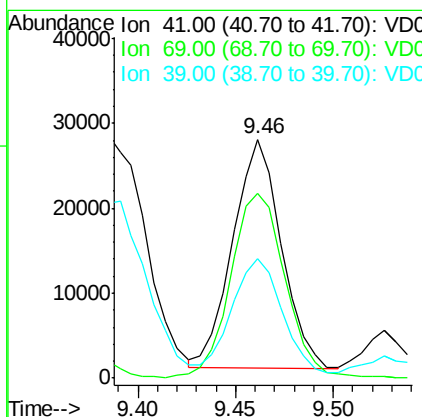
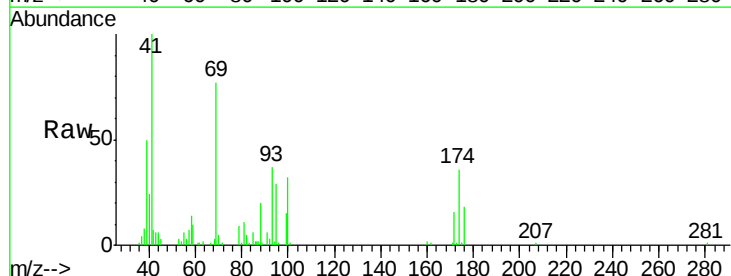
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

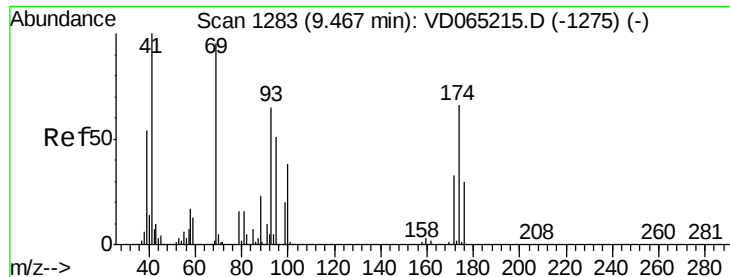
Tgt Ion: 83 Resp: 135626
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.0 78.0
 127 7.6 6.7 10.1



#48
 Methyl methacrylate
 Concen: 20.42 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 41 Resp: 46208
 Ion Ratio Lower Upper
 41 100
 69 91.1 68.2 102.2
 39 51.9 42.0 63.0

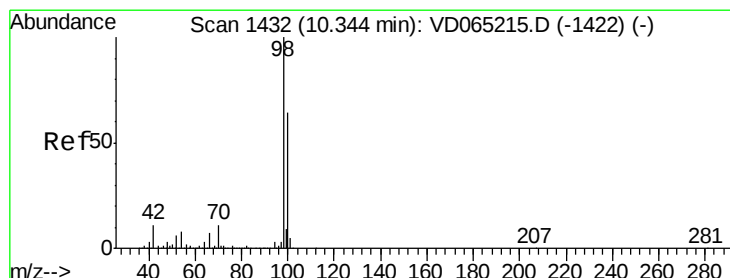
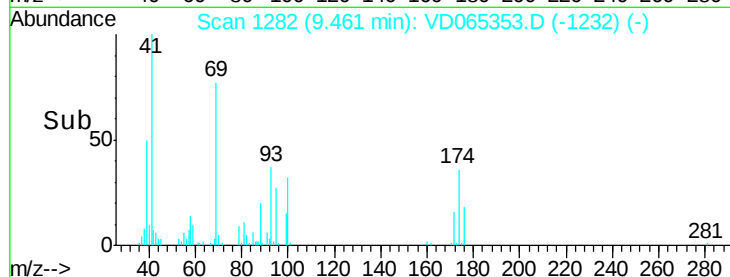
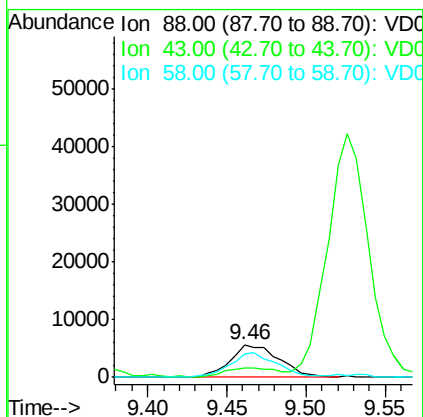
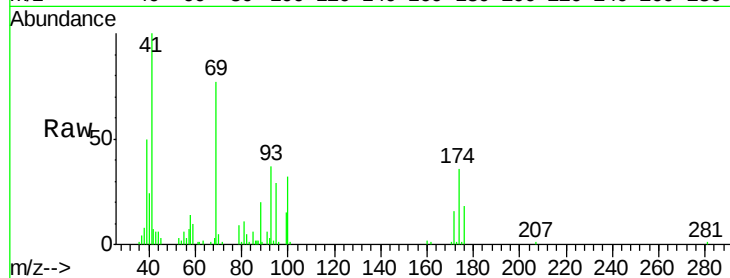




#49
1,4-Dioxane
Concen: 438.41 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

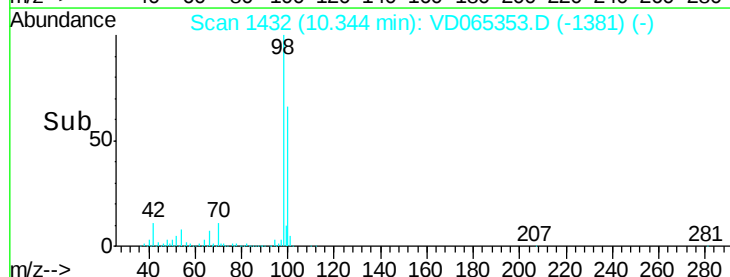
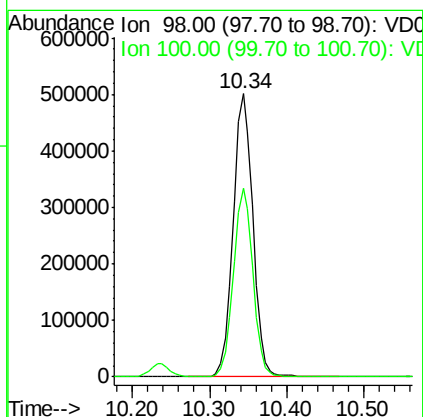
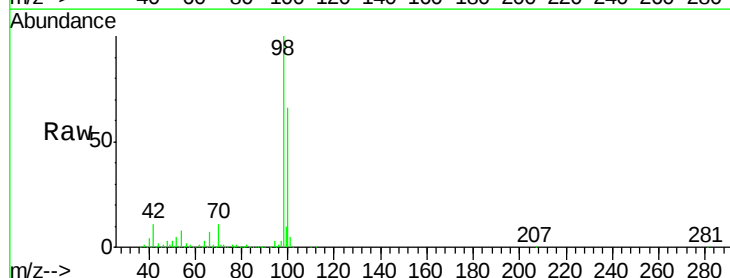
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

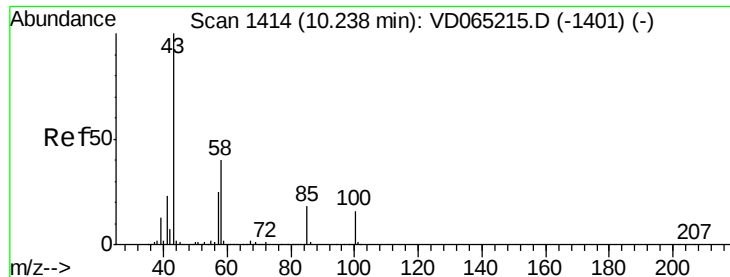
Tgt Ion: 88 Resp: 11959
Ion Ratio Lower Upper
88 100
43 26.4 28.5 42.7#
58 74.2 58.6 87.8



#50
Toluene-d8
Concen: 58.41 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 98 Resp: 901241
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0

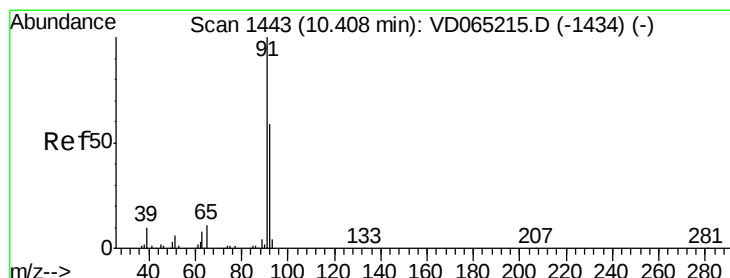
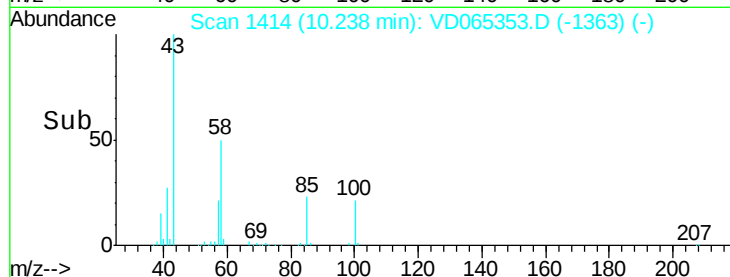
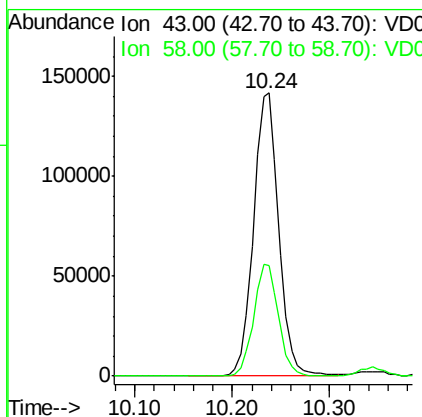
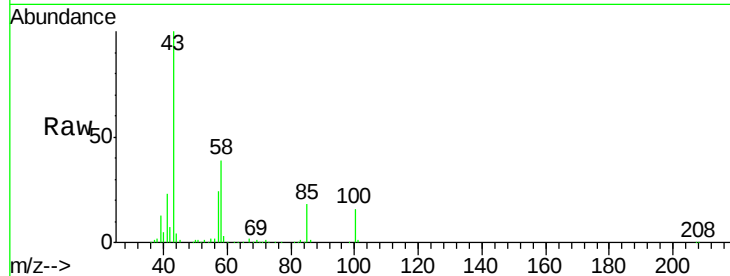




#51
 4-Methyl-2-Pentanone
 Concen: 104.01 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

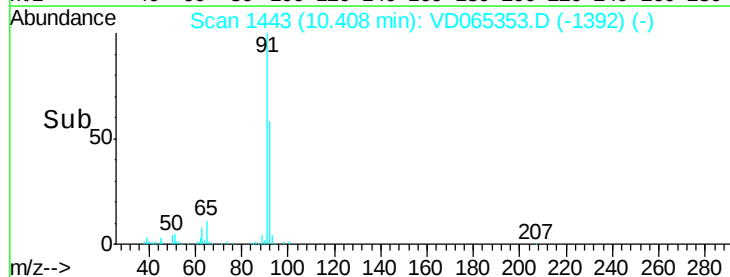
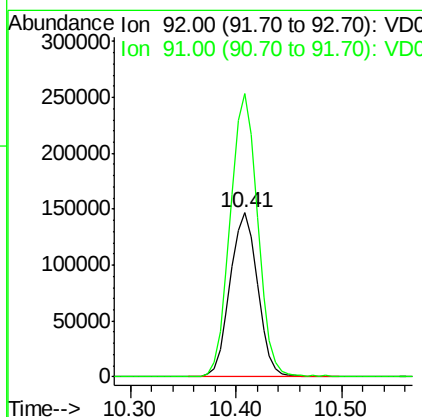
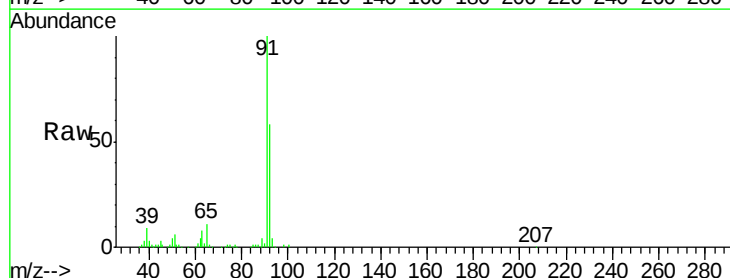
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

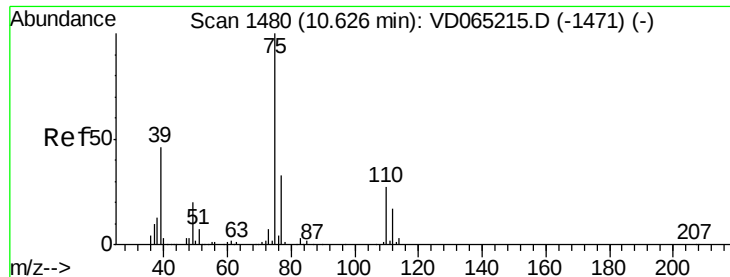
Tgt Ion: 43 Resp: 258649
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.1 46.7



#52
 Toluene
 Concen: 23.58 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 92 Resp: 265343
 Ion Ratio Lower Upper
 92 100
 91 170.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 21.77 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

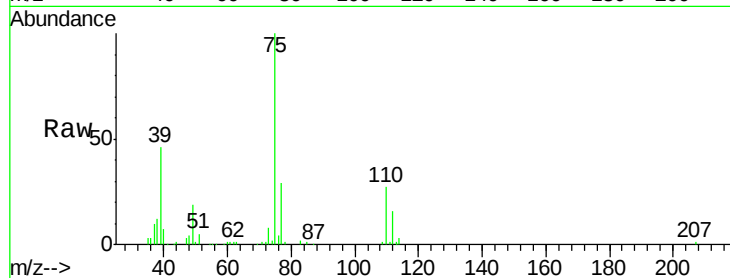
VD0228SBS01

Tgt Ion: 75 Resp: 123655

Ion Ratio Lower Upper

75 100

77 28.8 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

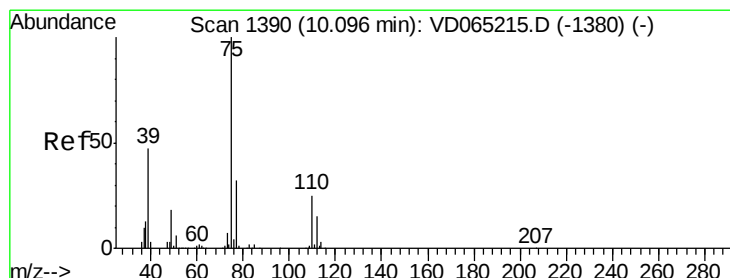
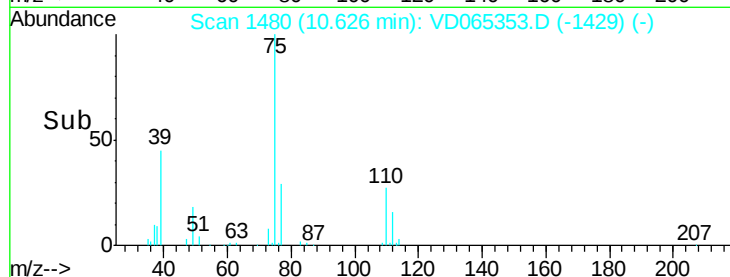
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.32 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

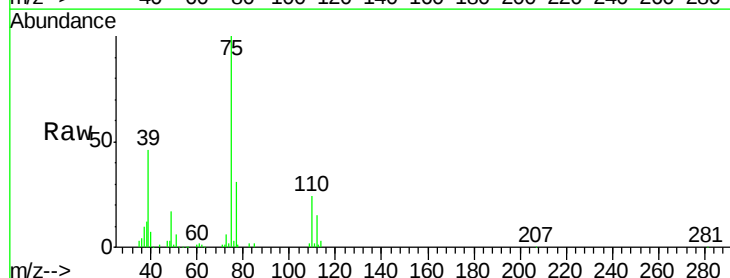
Tgt Ion: 75 Resp: 153155

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8

39 45.4 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

100000

80000

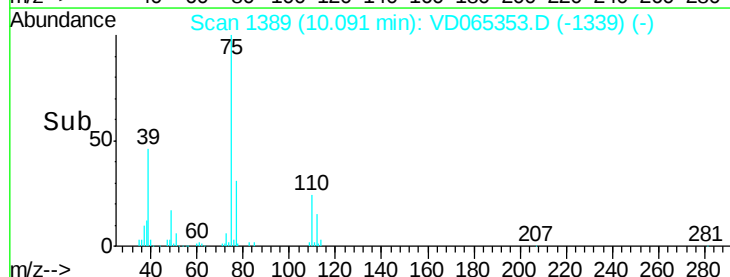
60000

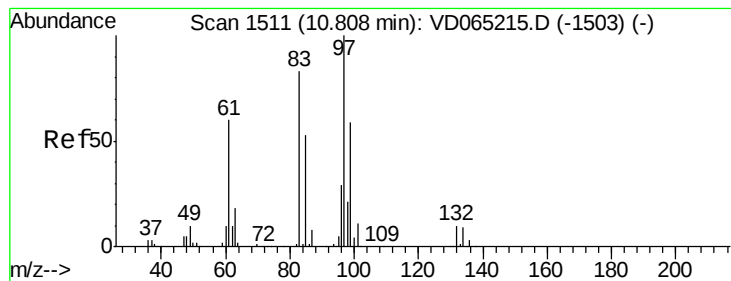
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.14 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tgt Ion: 97 Resp: 72486

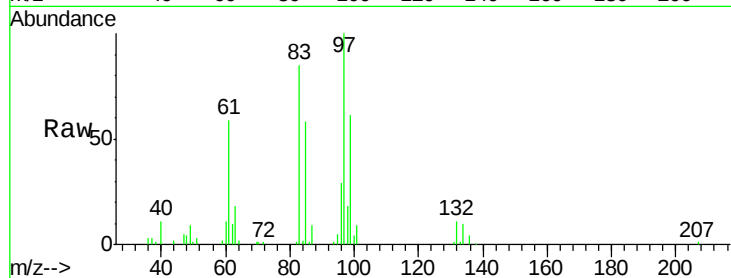
Ion Ratio Lower Upper

97 100

83 85.0 66.7 100.1

85 58.0 42.4 63.6

99 61.0 47.5 71.3



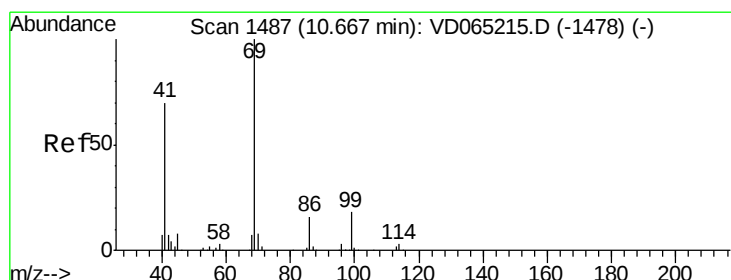
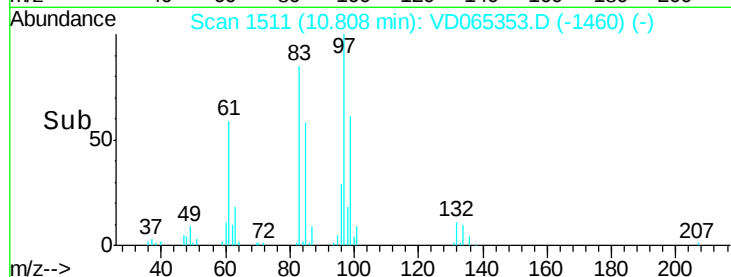
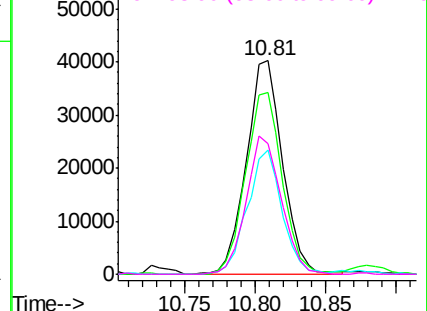
Abundance

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: 20.87 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

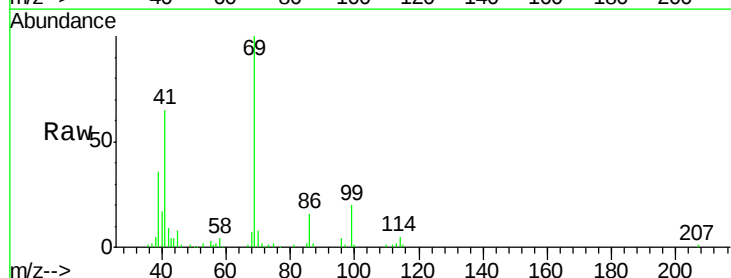
Tgt Ion: 69 Resp: 78855

Ion Ratio Lower Upper

69 100

41 64.8 54.6 81.8

39 31.4 26.5 39.7

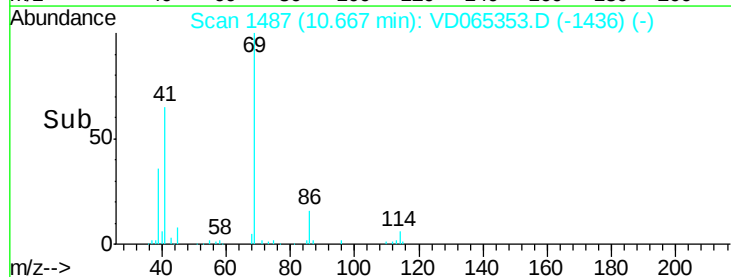
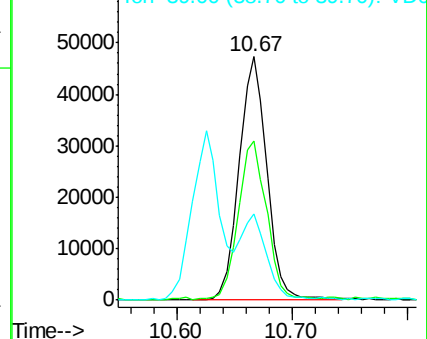


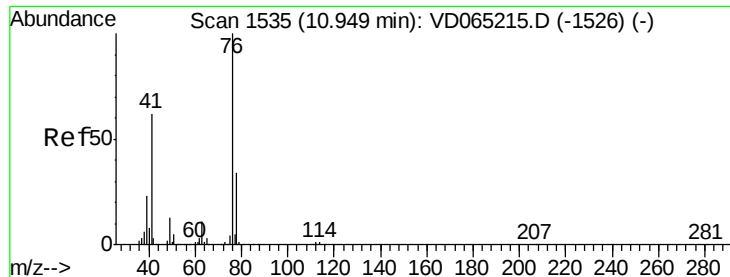
Abundance

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

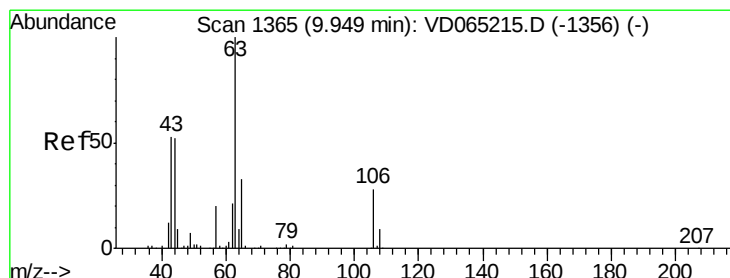
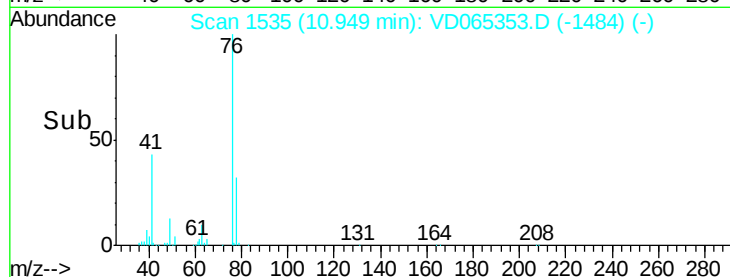
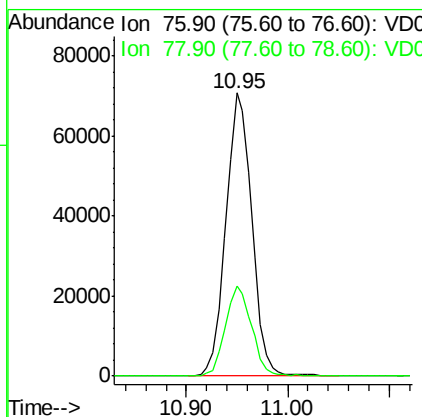
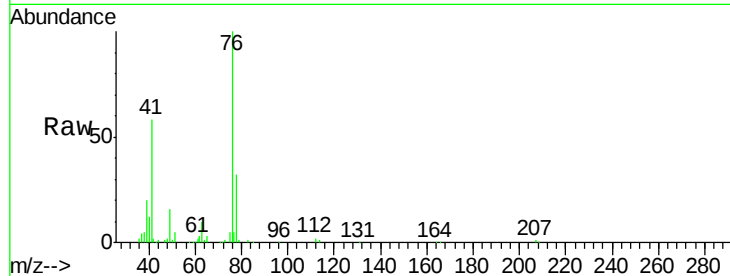




#57
 1,3-Dichloropropane
 Concen: 22.53 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

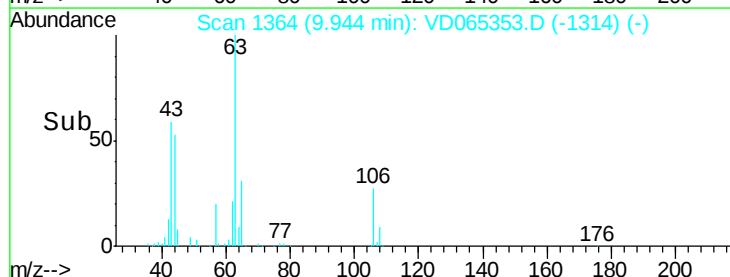
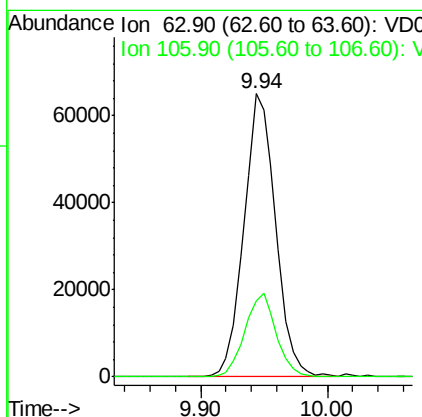
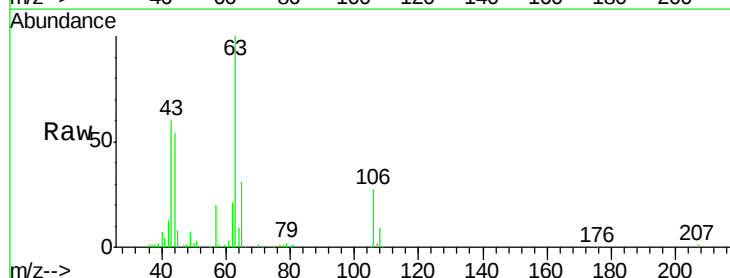
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

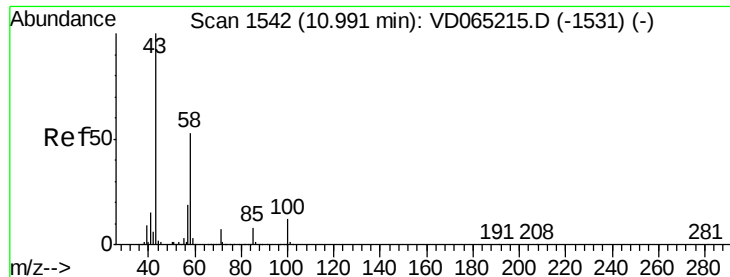
Tgt Ion: 76 Resp: 125515
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.03 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 63 Resp: 113202
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.8 34.2

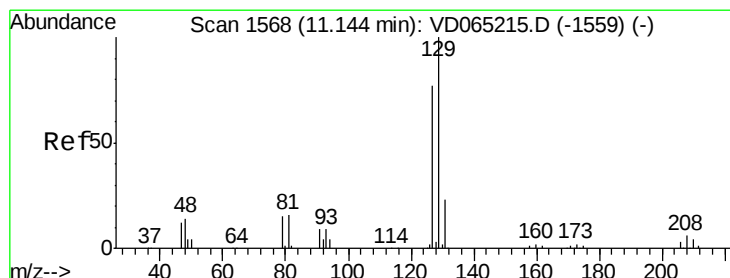
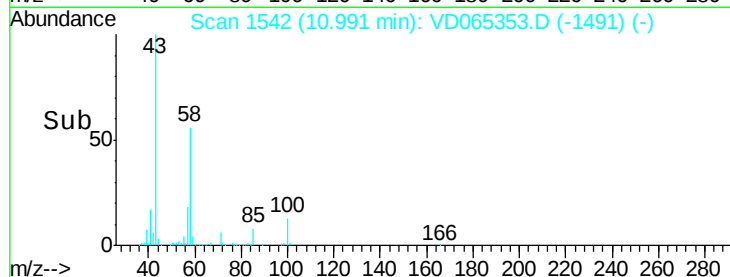
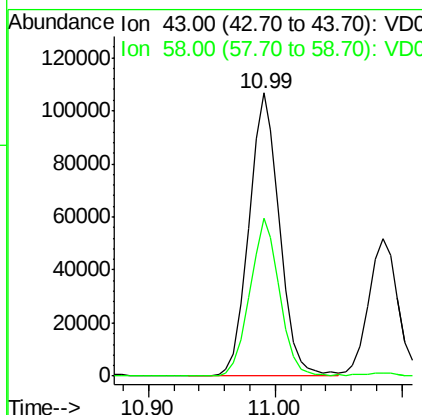
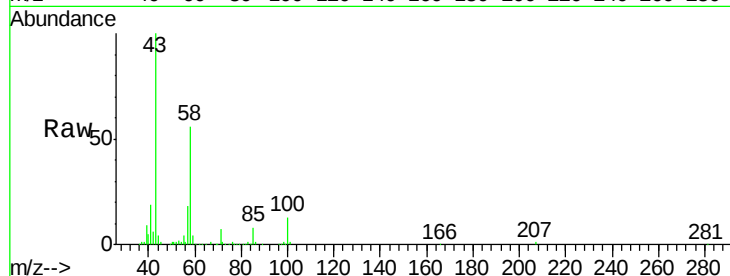




#59
2-Hexanone
Concen: 100.49 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

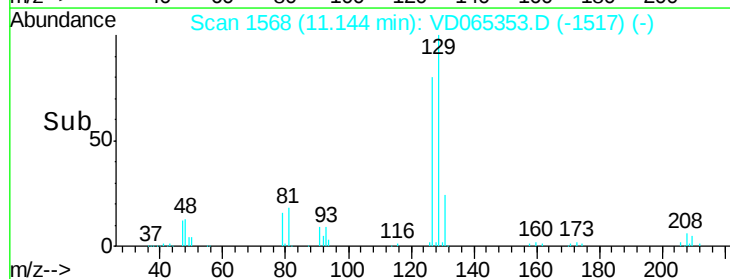
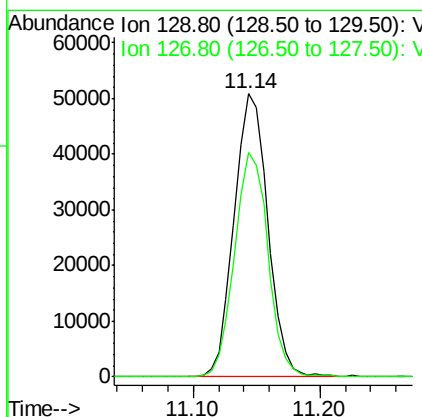
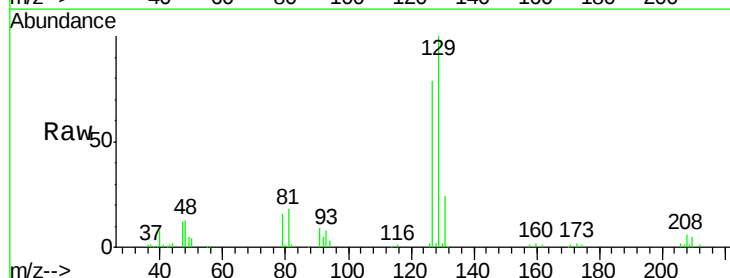
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

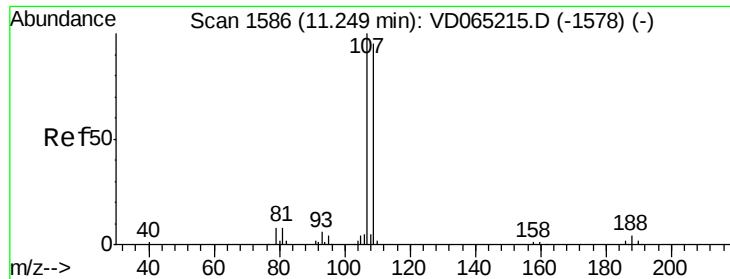
Tgt Ion: 43 Resp: 178880
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8



#60
Dibromochloromethane
Concen: 22.47 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 129 Resp: 94154
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1

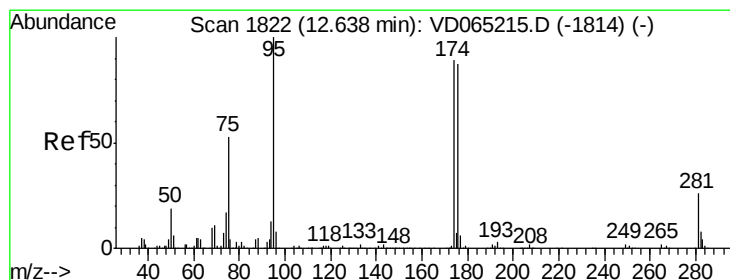
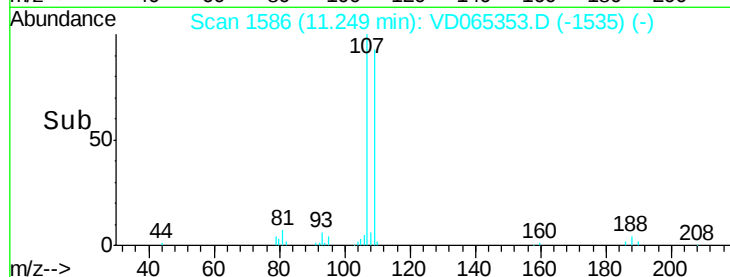
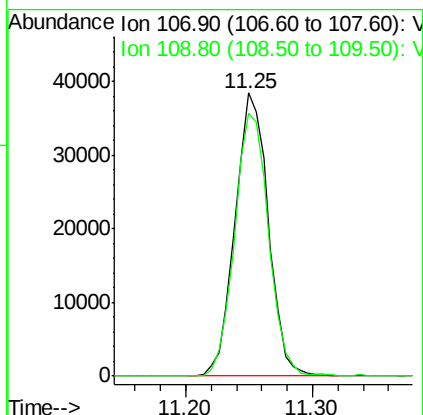
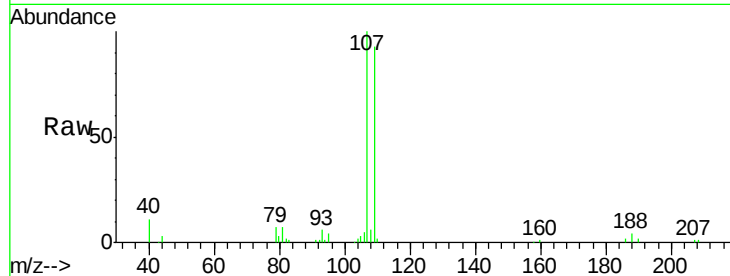




#61
 1,2-Dibromoethane
 Concen: 22.52 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

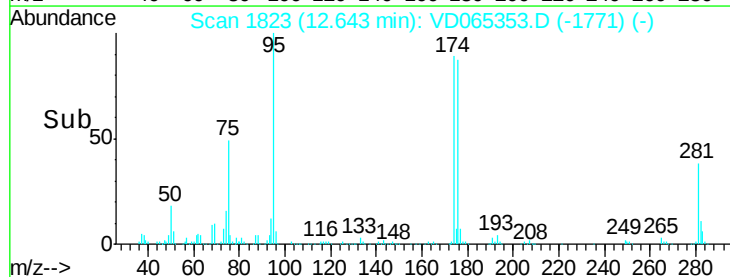
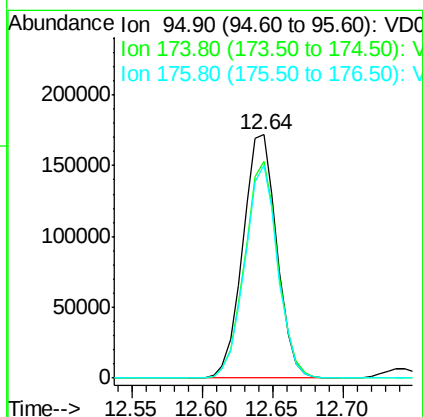
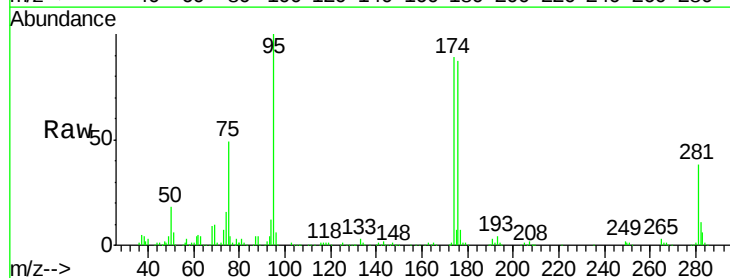
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

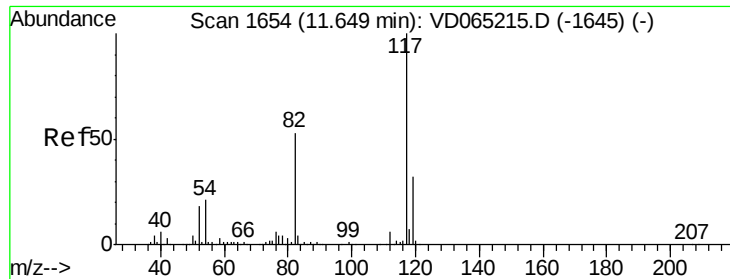
Tgt Ion: 107 Resp: 69811
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 59.36 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion: 95 Resp: 290120
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 178.0
 176 84.8 0.0 174.4

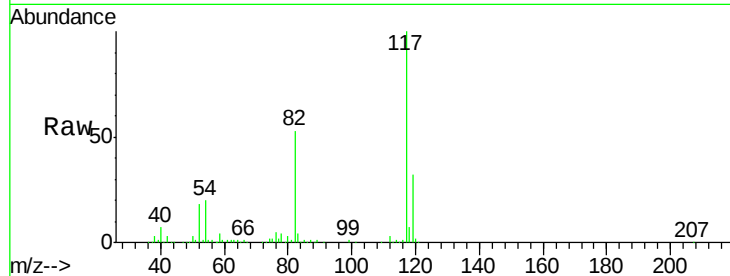




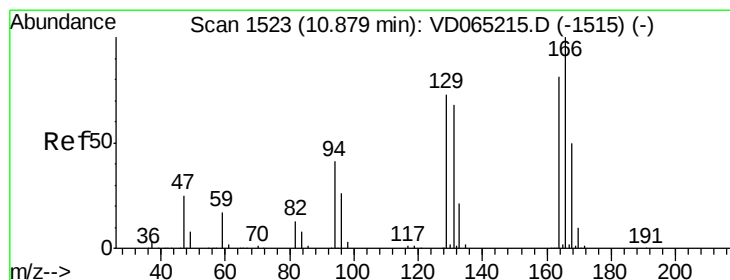
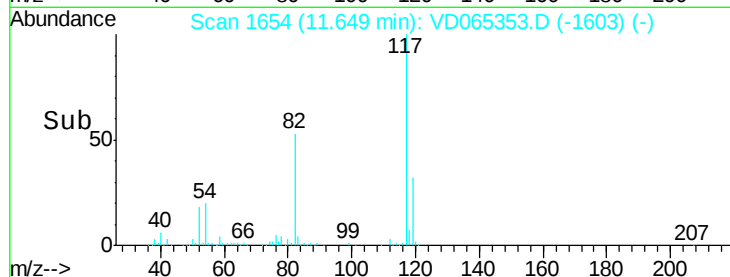
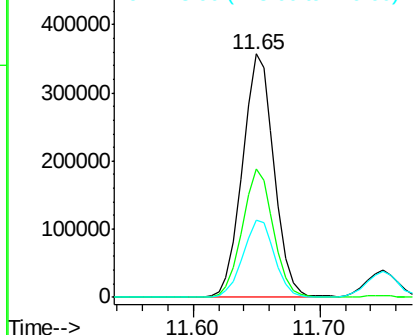
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion:117 Resp: 616233
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 31.6 25.5 38.3

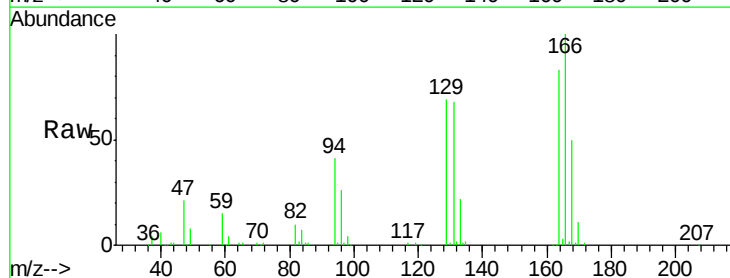


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

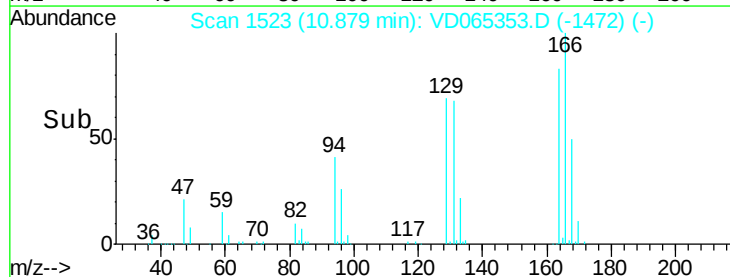
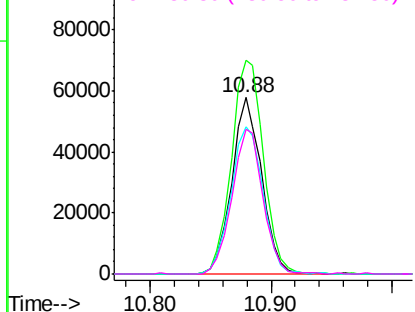


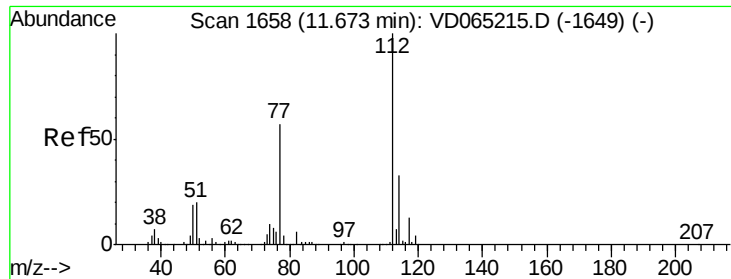
#64
Tetrachloroethene
Concen: 22.76 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:164 Resp: 99470
Ion Ratio Lower Upper
164 100
166 121.1 98.4 147.6
129 83.4 71.6 107.4
131 82.3 67.3 100.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

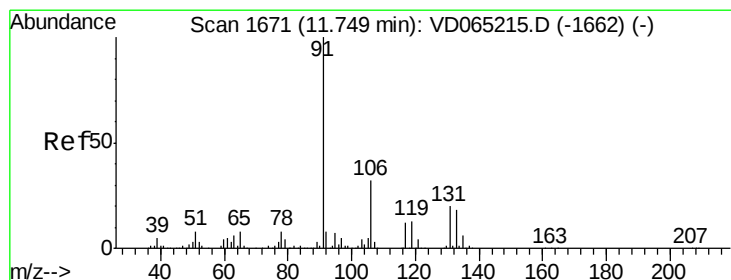
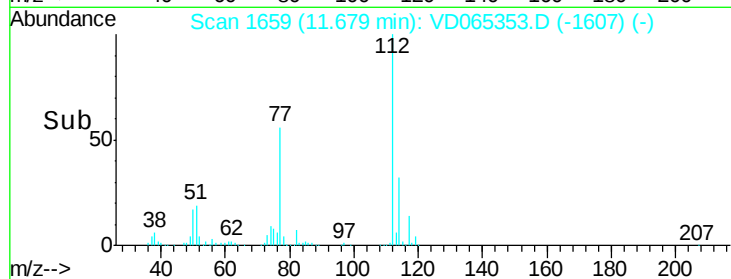
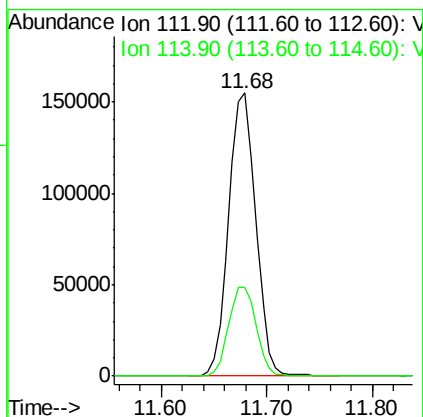
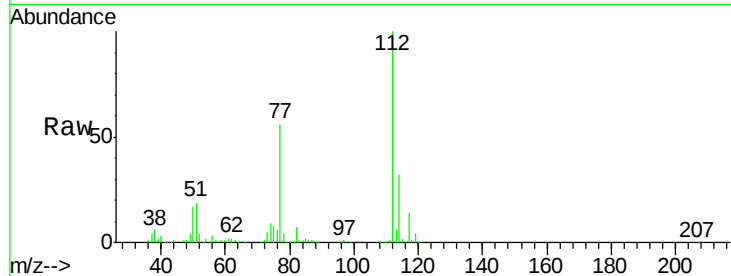




#65
Chlorobenzene
Concen: 22.19 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

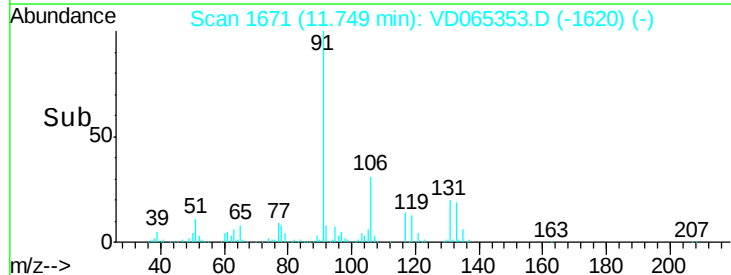
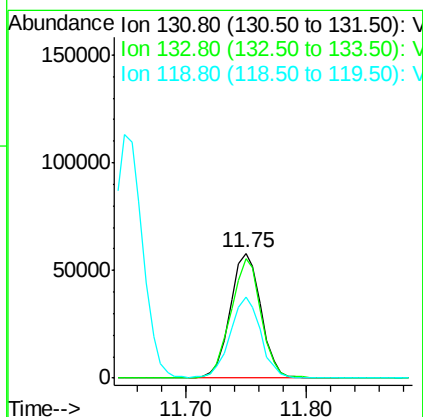
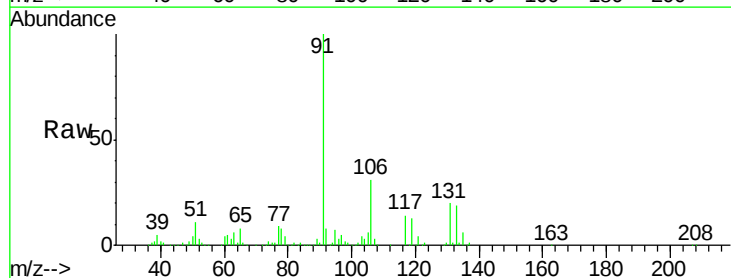
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

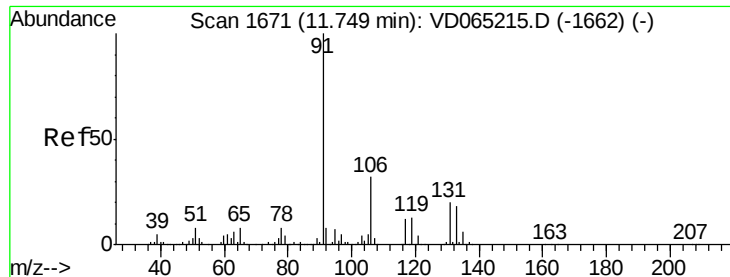
Tgt Ion:112 Resp: 274435
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.31 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:131 Resp: 102945
Ion Ratio Lower Upper
131 100
133 93.7 47.7 143.1
119 64.6 32.7 98.1





#67

Ethyl Benzene

Concen: 21.98 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

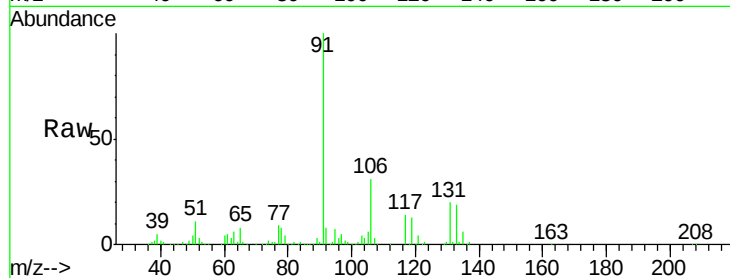
VD0228SBS01

Tgt Ion: 91 Resp: 476040

Ion Ratio Lower Upper

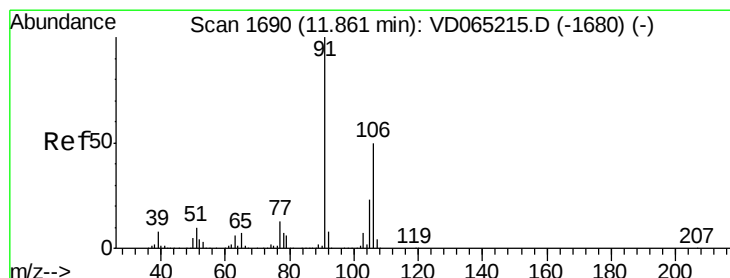
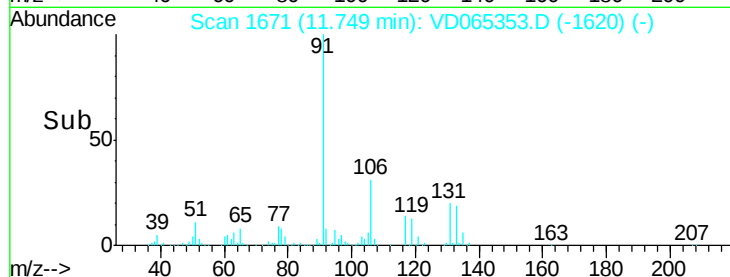
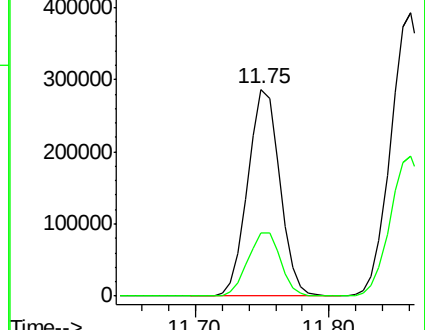
91 100

106 30.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.66 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065353.D

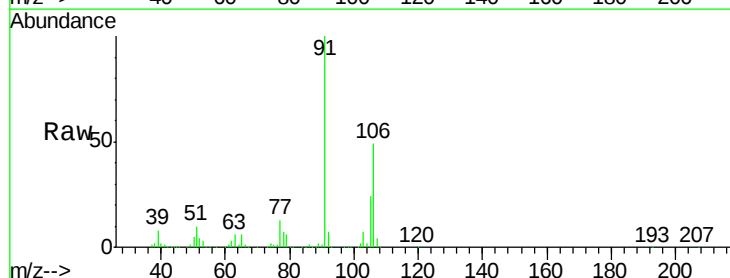
Acq: 28 Feb 2020 11:41

Tgt Ion: 106 Resp: 378362

Ion Ratio Lower Upper

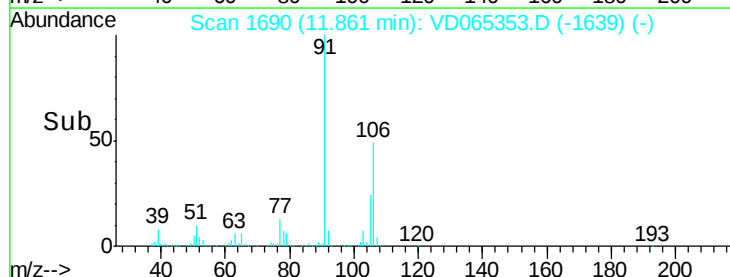
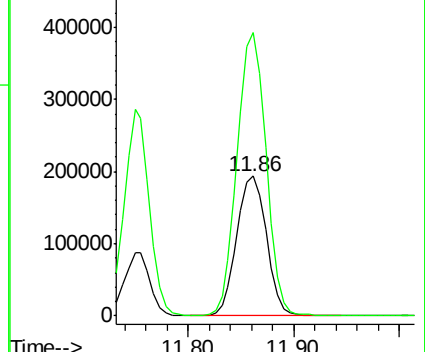
106 100

91 197.6 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

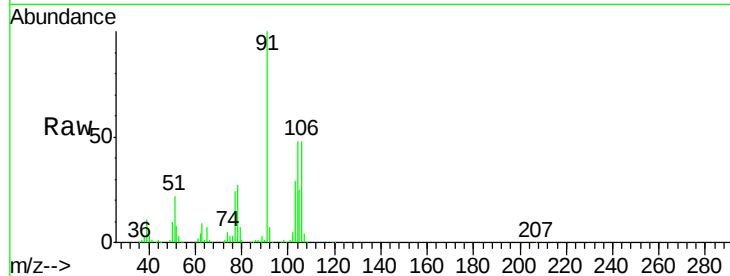




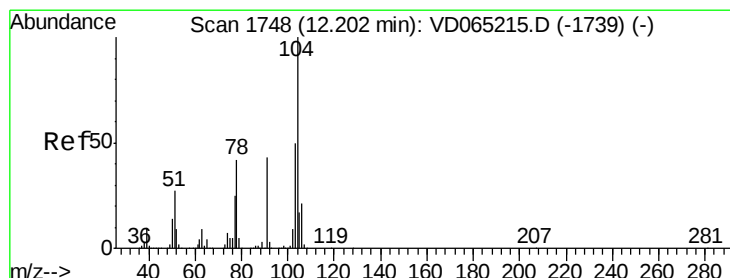
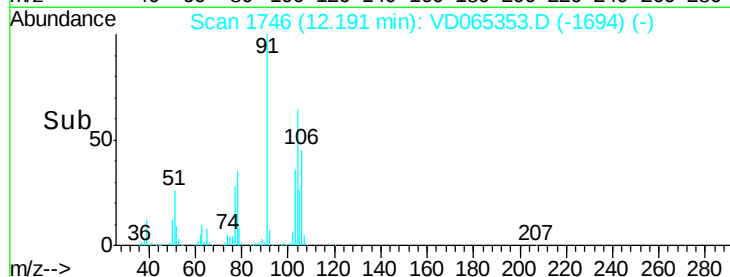
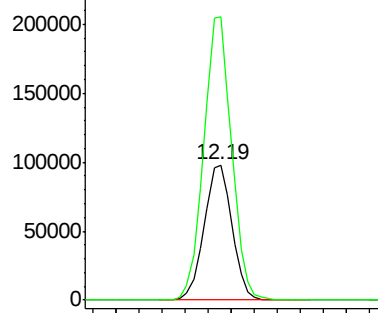
#69
o-Xylene
Concen: 22.41 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion:106 Resp: 164547
Ion Ratio Lower Upper
106 100
91 208.6 104.7 313.9

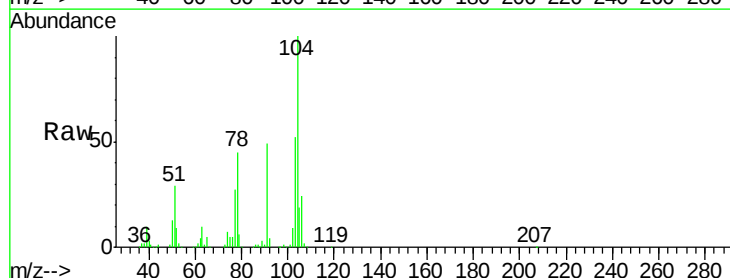


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

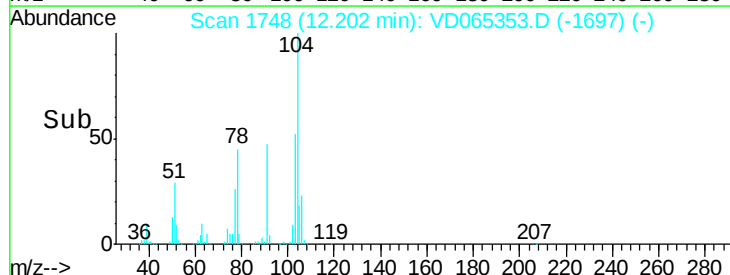
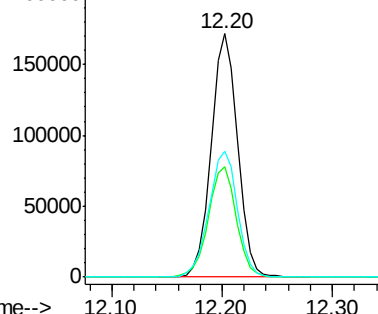


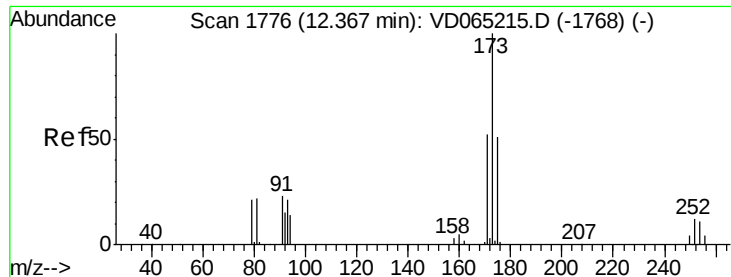
#70
Styrene
Concen: 22.20 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:104 Resp: 289324
Ion Ratio Lower Upper
104 100
78 48.0 37.8 56.6
103 55.8 43.4 65.2



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

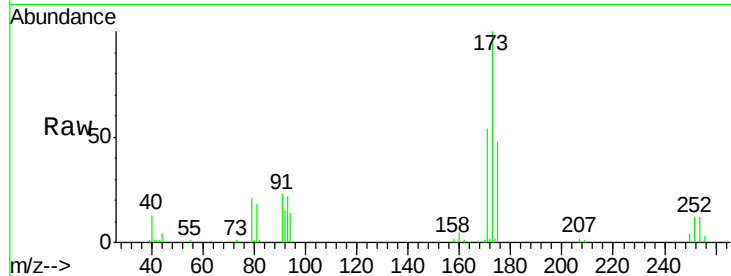




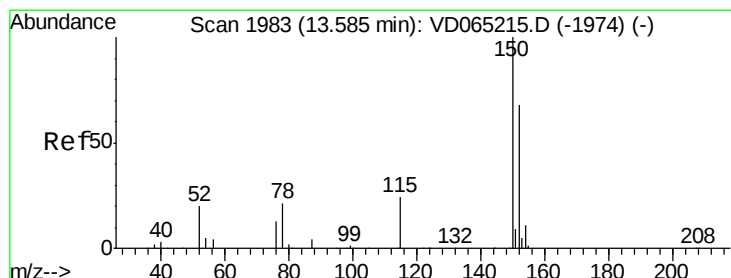
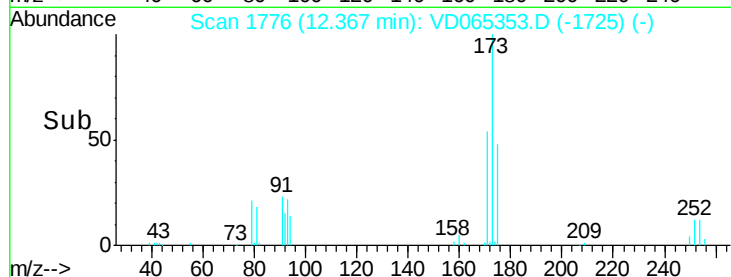
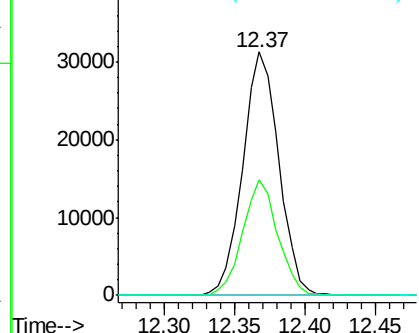
#71
Bromoform
Concen: 21.83 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion:173 Resp: 55890
Ion Ratio Lower Upper
173 100
175 46.2 24.4 73.4
254 0.0 0.0 0.0

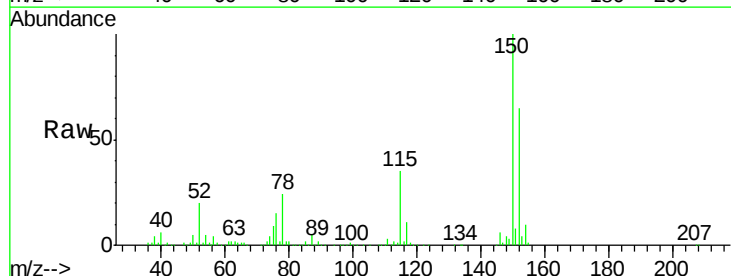


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

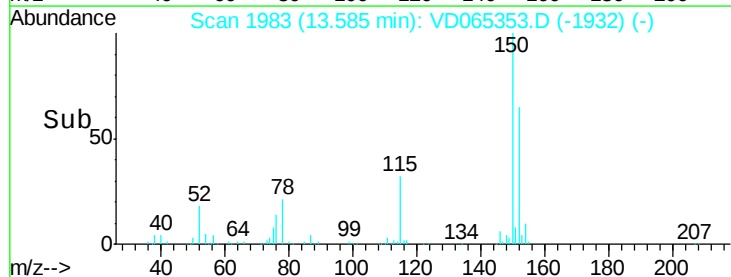
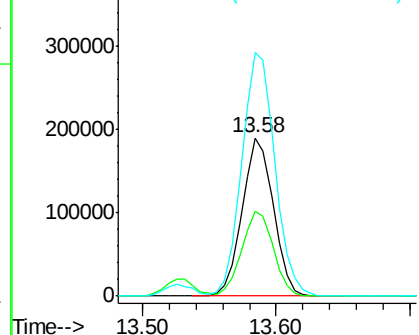


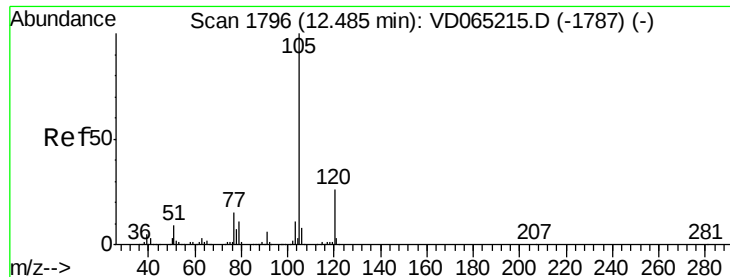
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:152 Resp: 305467
Ion Ratio Lower Upper
152 100
115 54.3 27.6 82.8
150 163.8 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: 22.68 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

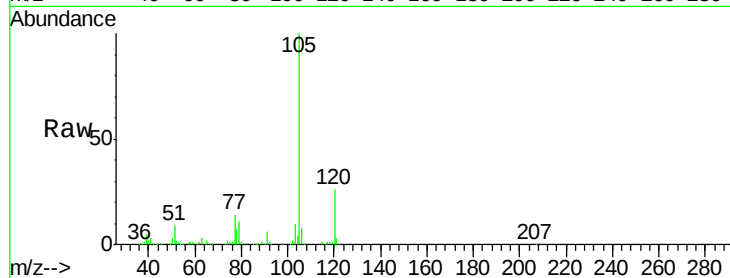
VD0228SBS01

Tgt Ion: 105 Resp: 458764

Ion Ratio Lower Upper

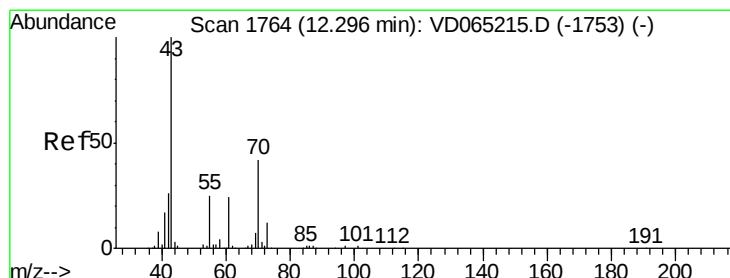
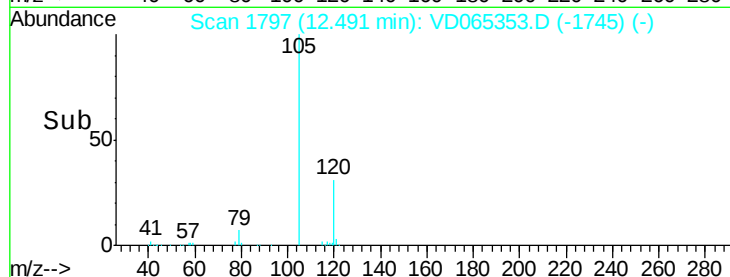
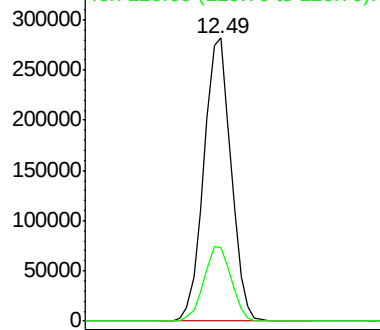
105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.93 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion: 43 Resp: 89550

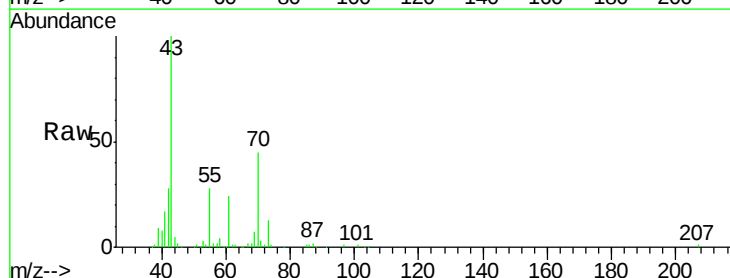
Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 28.7 20.7 31.1

61 23.4 19.0 28.4

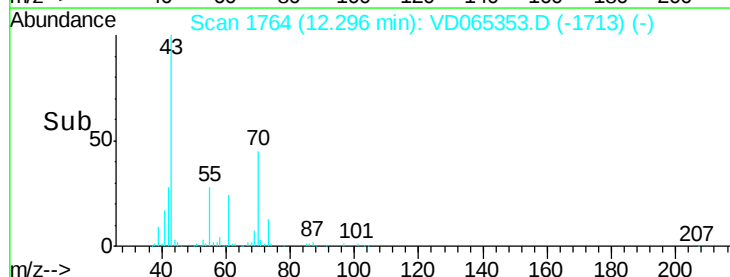
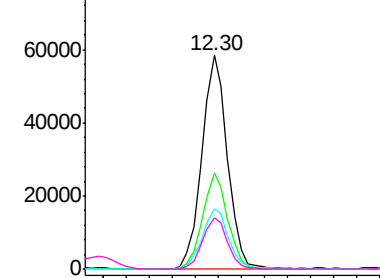


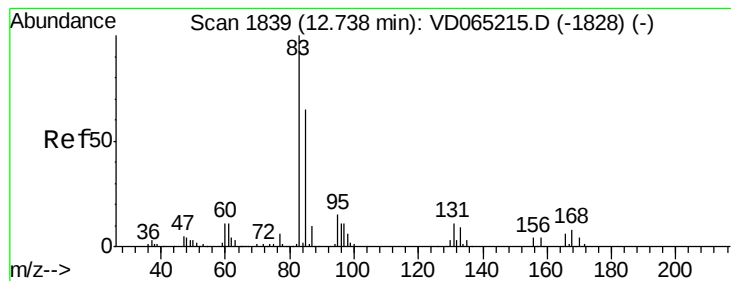
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.84 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

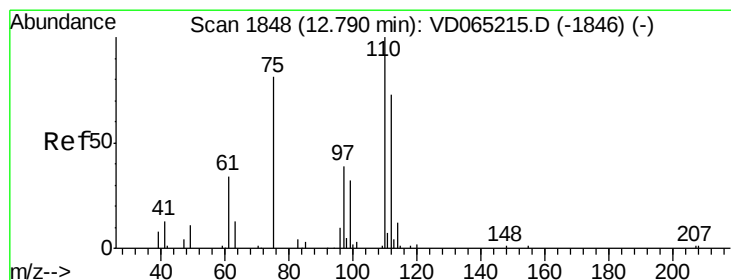
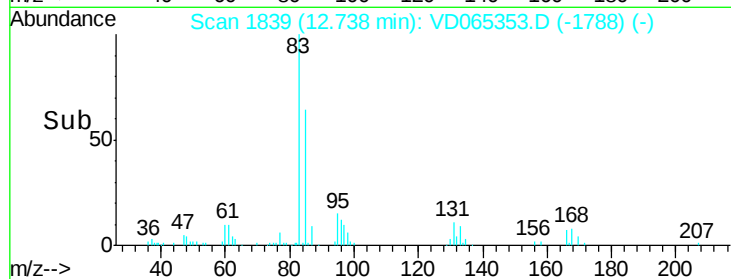
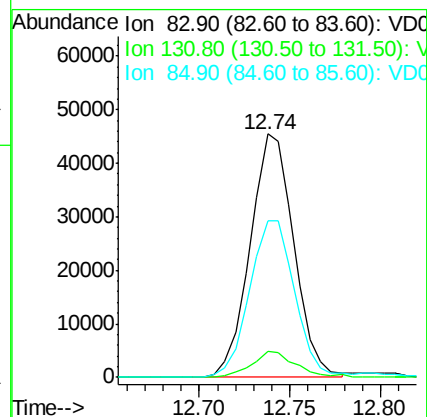
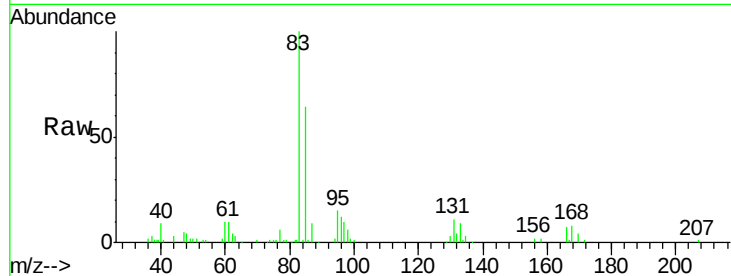
Tgt Ion: 83 Resp: 76080

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 66.6 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 37.61 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065353.D

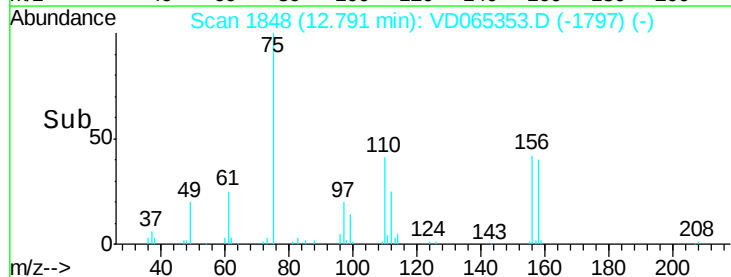
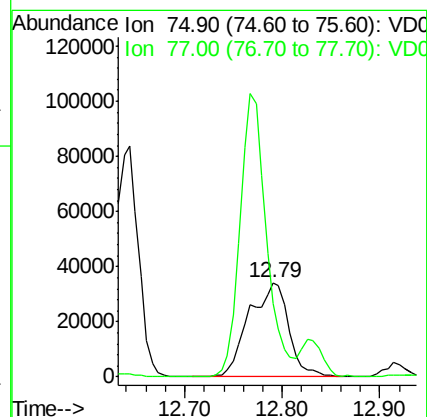
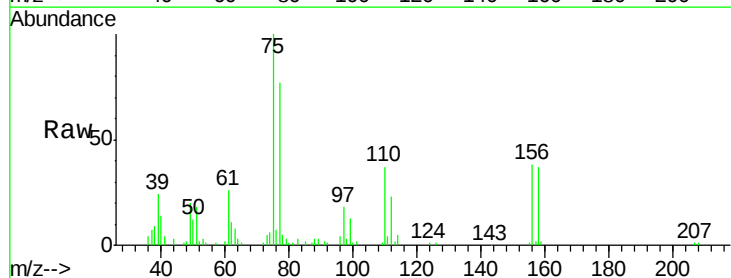
Acq: 28 Feb 2020 11:41

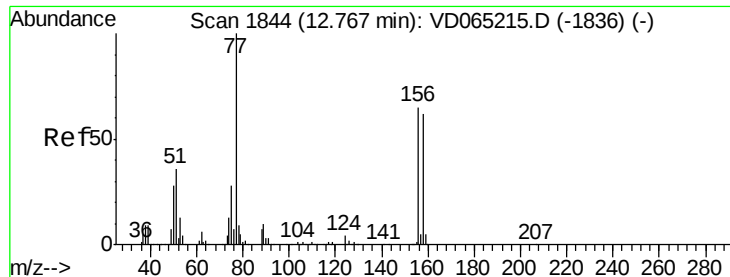
Tgt Ion: 75 Resp: 97760

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.11 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

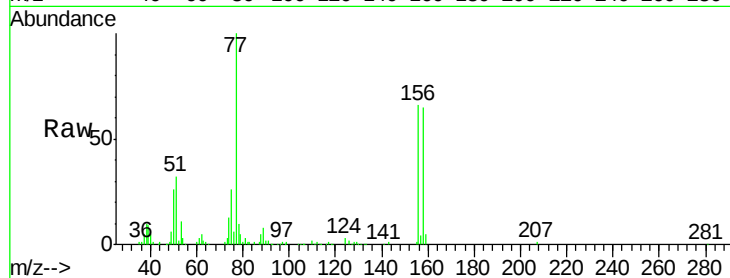
Tgt Ion:156 Resp: 111023

Ion Ratio Lower Upper

156 100

77 175.8 86.6 259.7

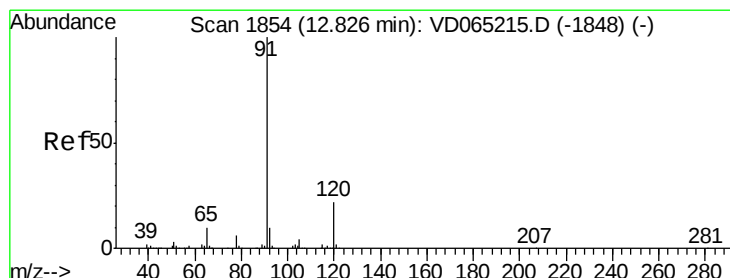
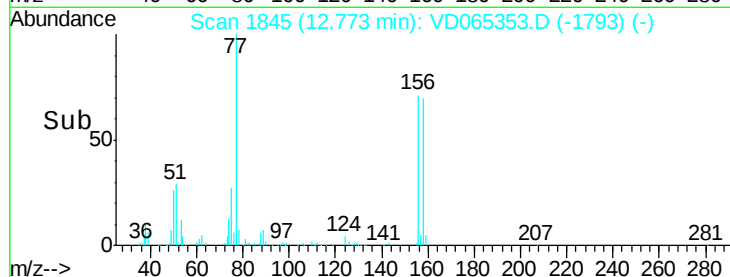
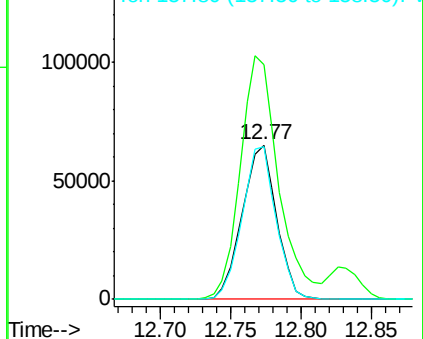
158 97.7 48.1 144.3



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: 22.93 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065353.D

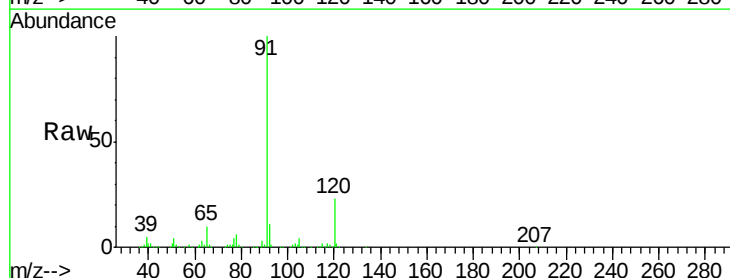
Acq: 28 Feb 2020 11:41

Tgt Ion: 91 Resp: 557227

Ion Ratio Lower Upper

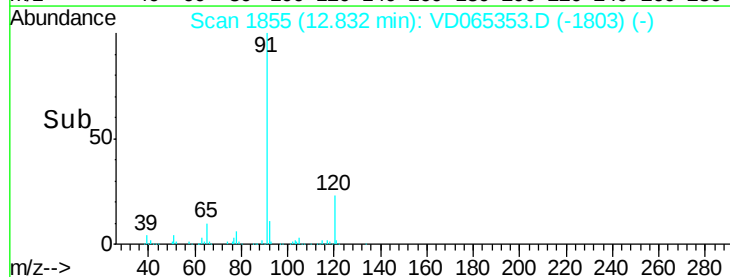
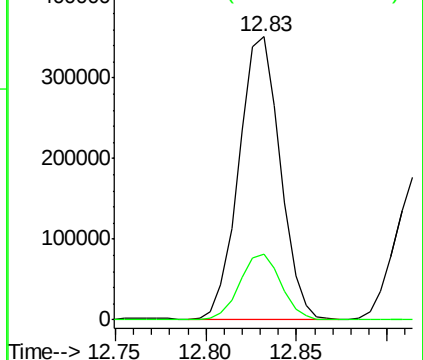
91 100

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: 22.18 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

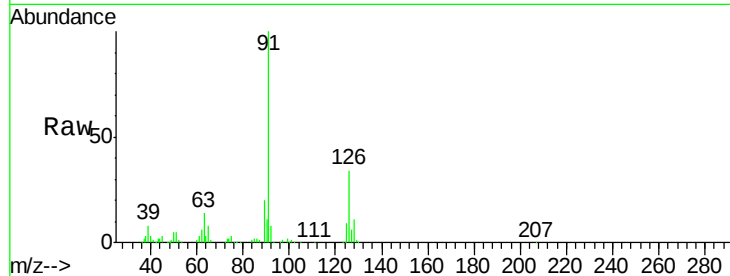
VD0228SBS01

Tgt Ion: 91 Resp: 301997

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065353.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065353.D (-1862) (-)

400000

300000

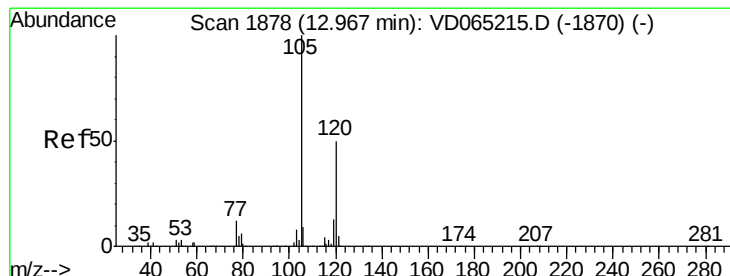
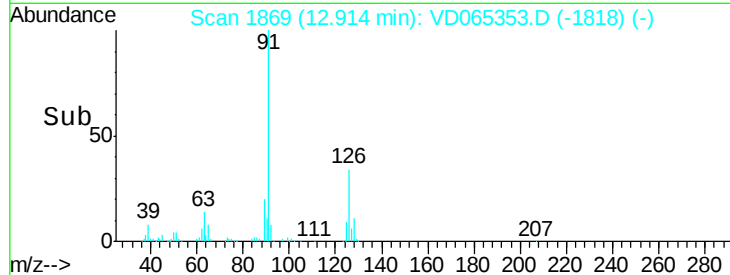
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.80 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065353.D

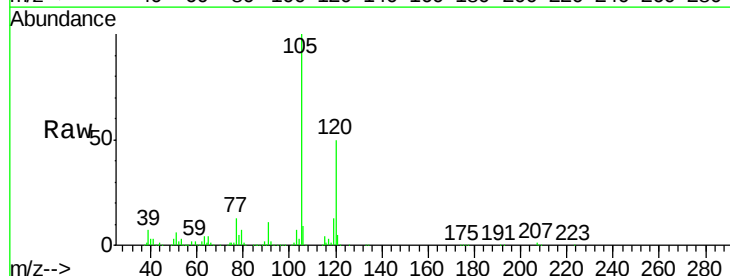
Acq: 28 Feb 2020 11:41

Tgt Ion: 105 Resp: 379732

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065353.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065353.D (-1870) (-)

250000

200000

150000

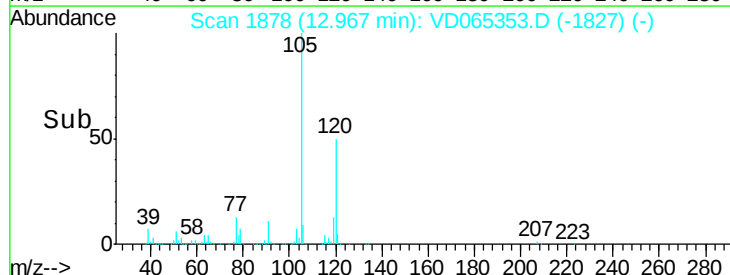
100000

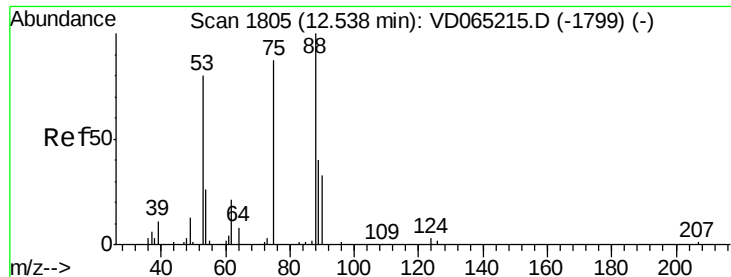
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.09 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

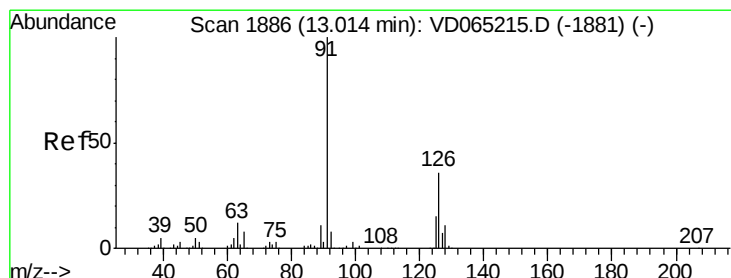
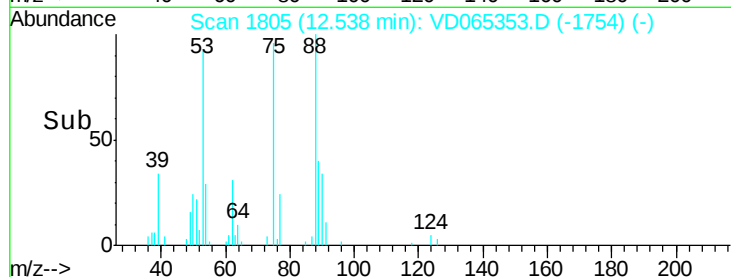
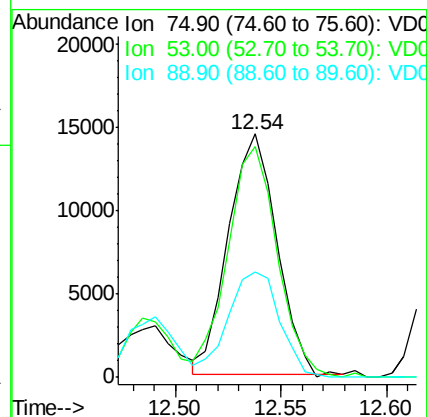
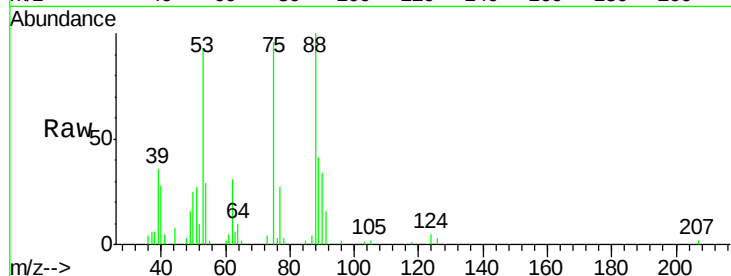
Tgt Ion: 75 Resp: 22980

Ion Ratio Lower Upper

75 100

53 98.5 77.6 116.4

89 46.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 22.74 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065353.D

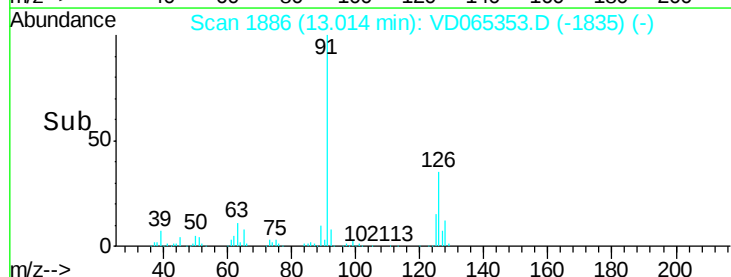
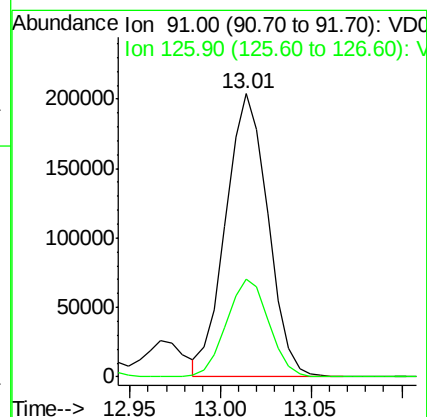
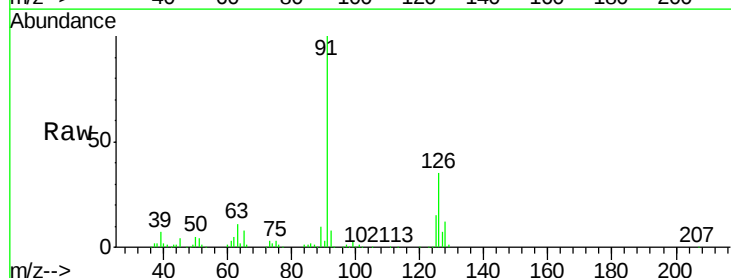
Acq: 28 Feb 2020 11:41

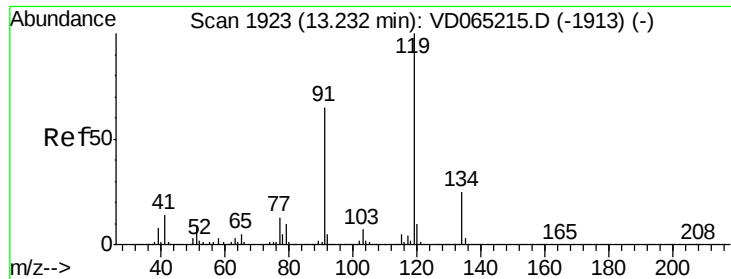
Tgt Ion: 91 Resp: 328620

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3

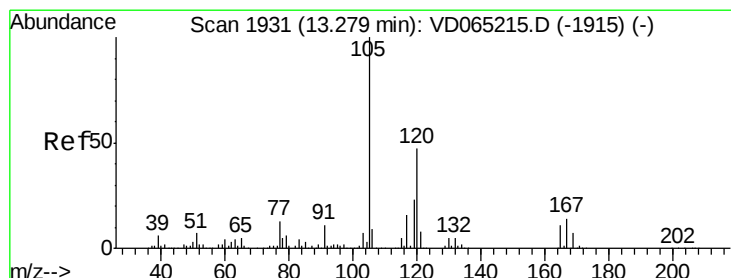
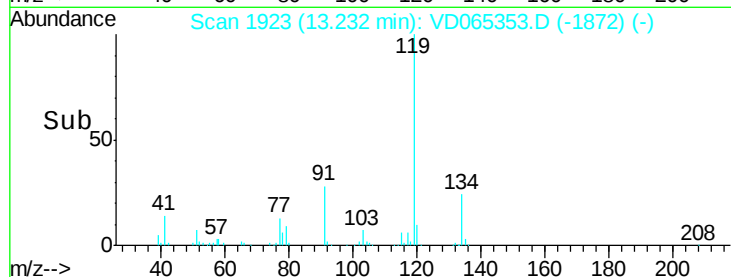
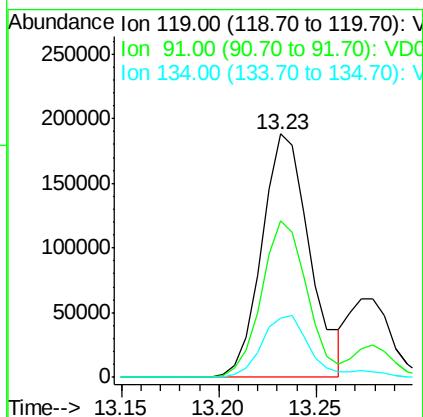
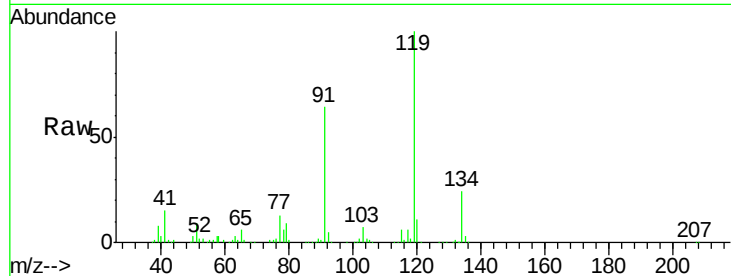




#83
tert-Butylbenzene
Concen: 22.96 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

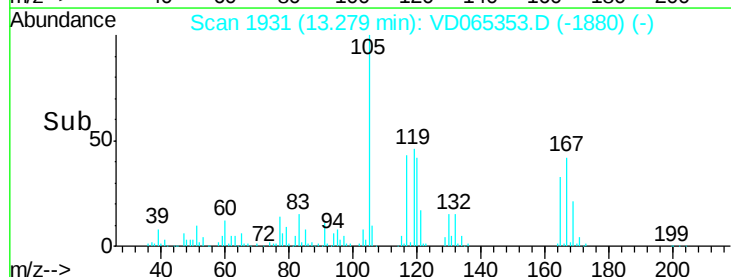
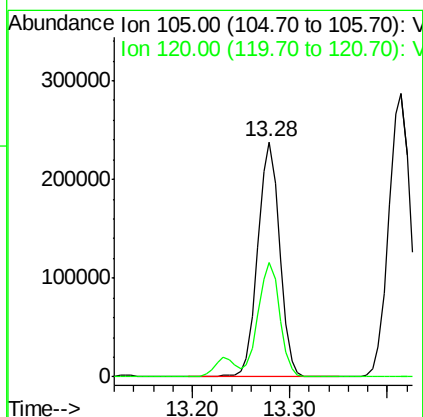
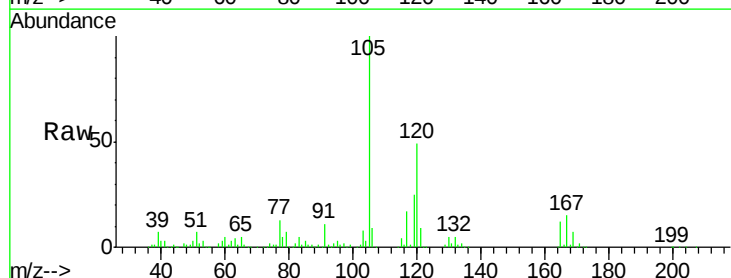
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

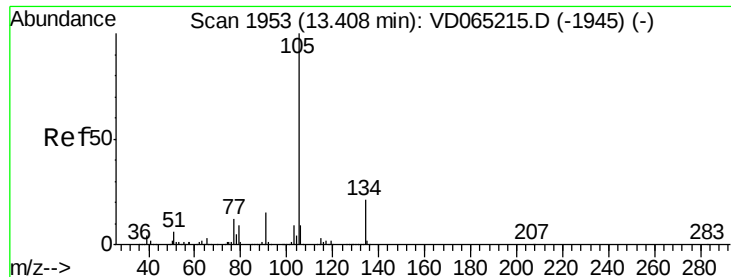
Tgt Ion:119 Resp: 320588
Ion Ratio Lower Upper
119 100
91 61.2 31.9 95.5
134 26.6 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 22.50 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:105 Resp: 375111
Ion Ratio Lower Upper
105 100
120 48.1 23.3 69.9





#85

sec-Butylbenzene

Concen: 22.39 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

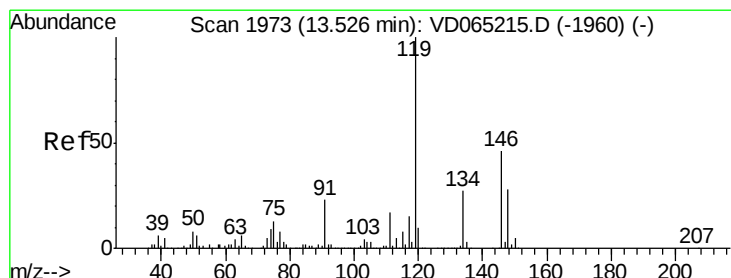
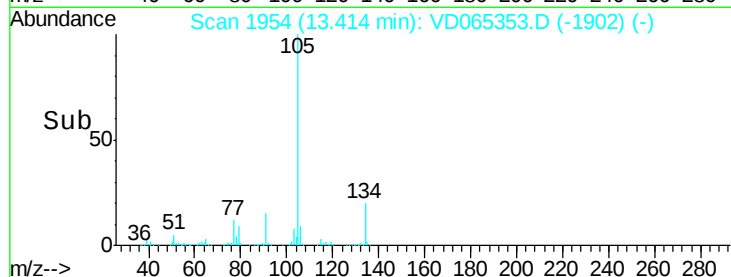
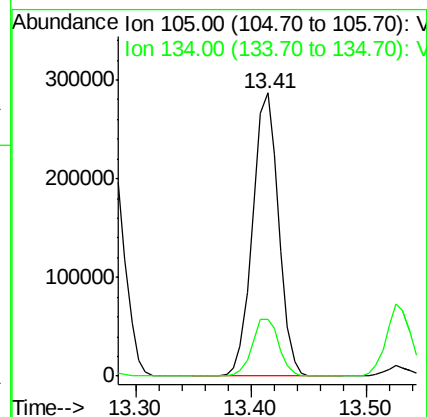
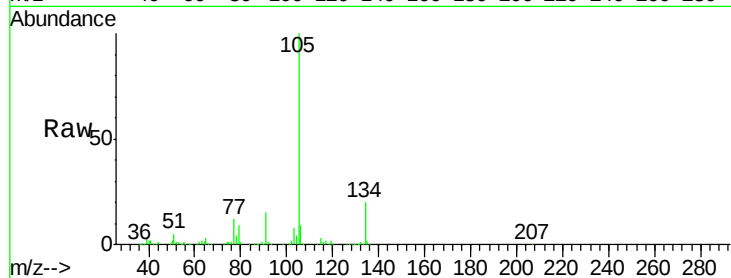
VD0228SBS01

Tgt Ion:105 Resp: 450477

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



#86

p-Isopropyltoluene

Concen: 22.60 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

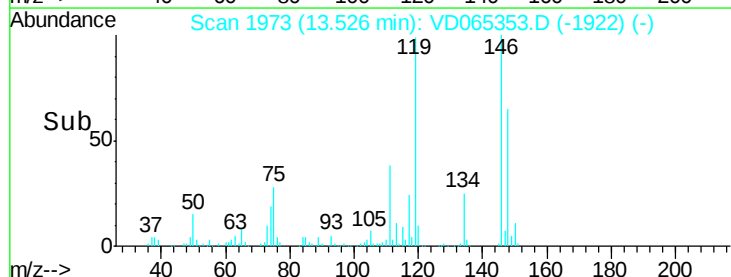
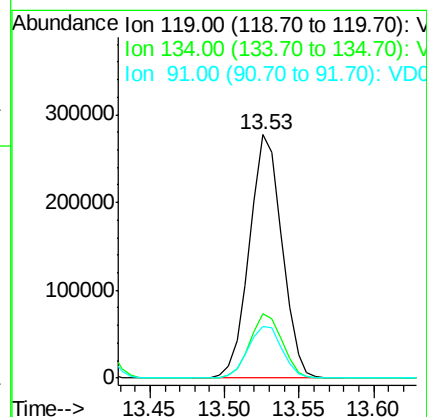
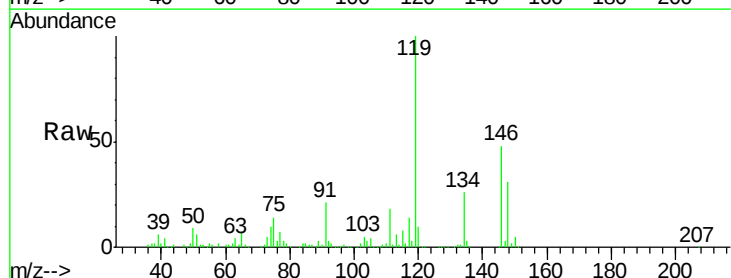
Tgt Ion:119 Resp: 415832

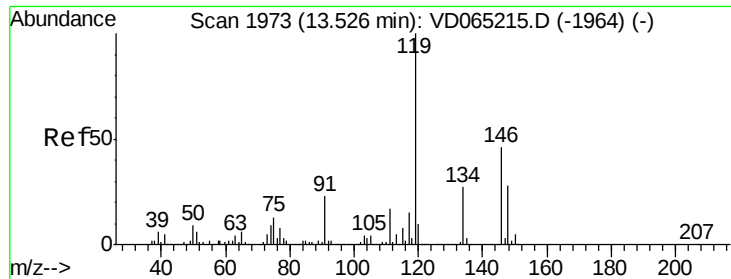
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.4 11.1 33.1

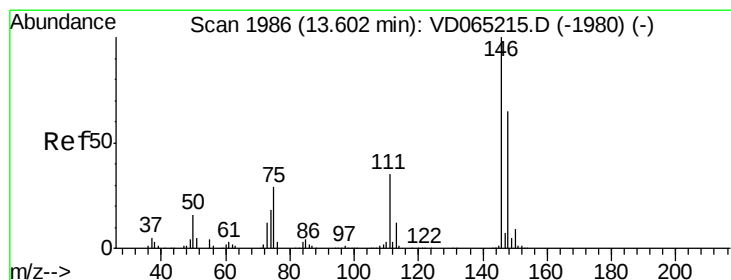
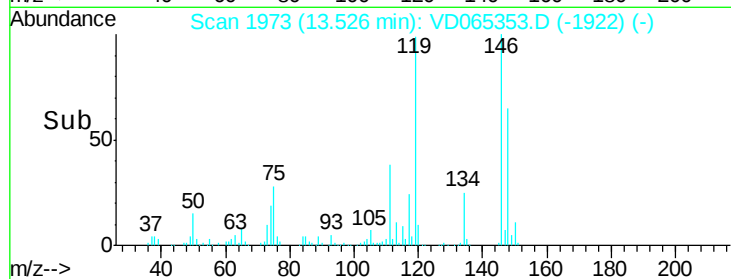
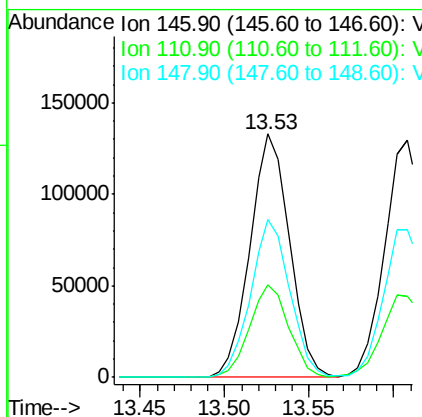
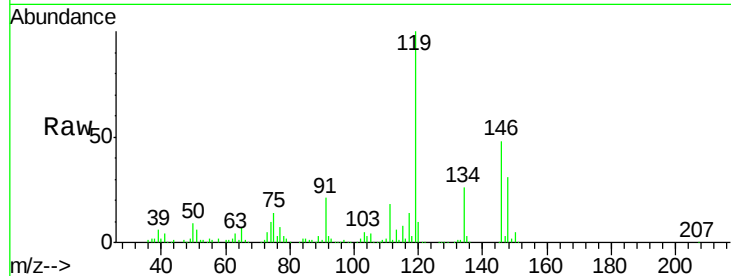




#87
 1,3-Dichlorobenzene
 Concen: 22.31 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

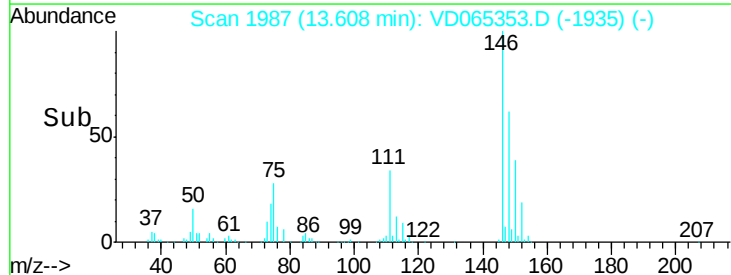
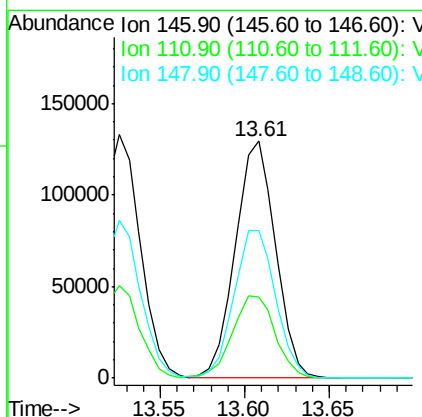
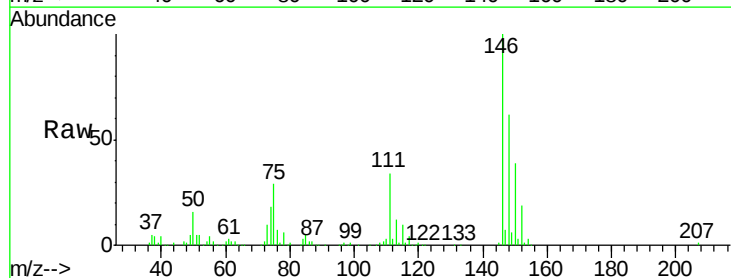
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

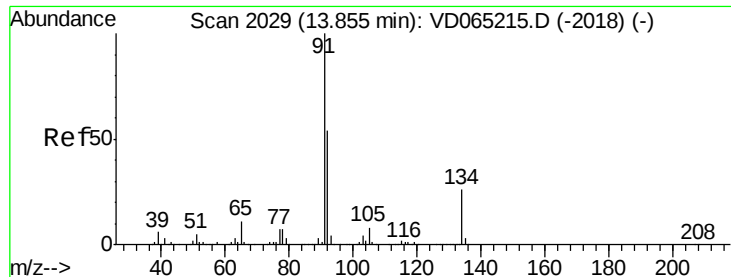
Tgt Ion:146 Resp: 216635
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 22.37 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion:146 Resp: 214388
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 64.9 32.1 96.5

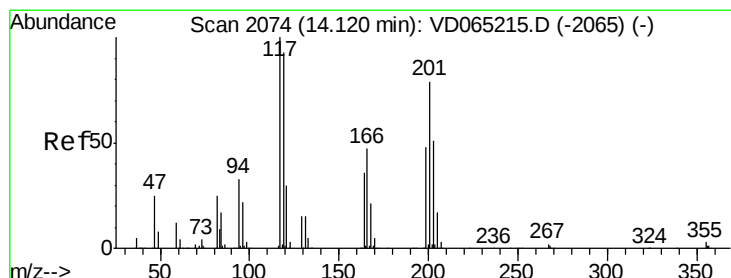
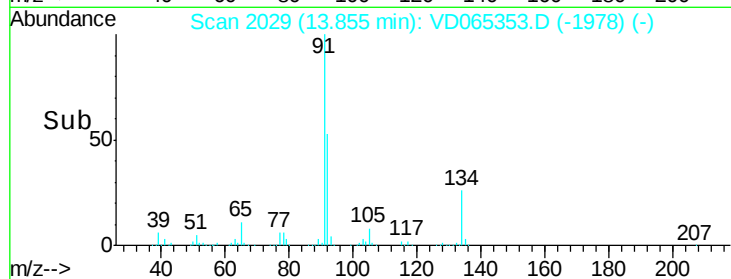
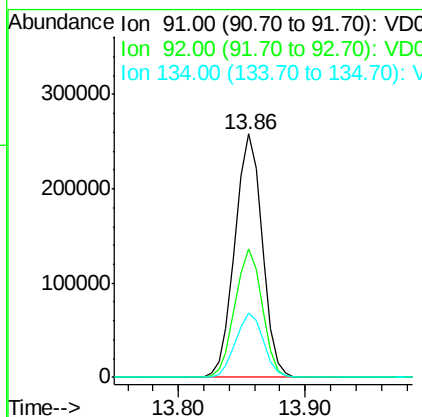
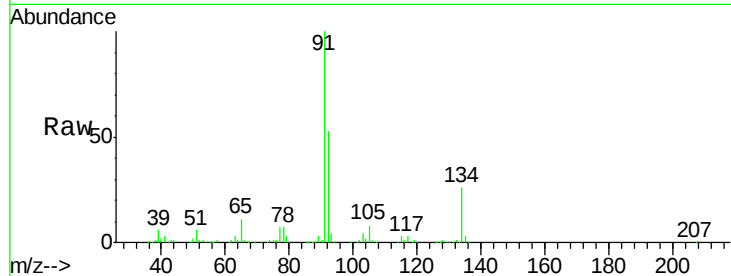




#89
n-Butylbenzene
Concen: 22.72 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

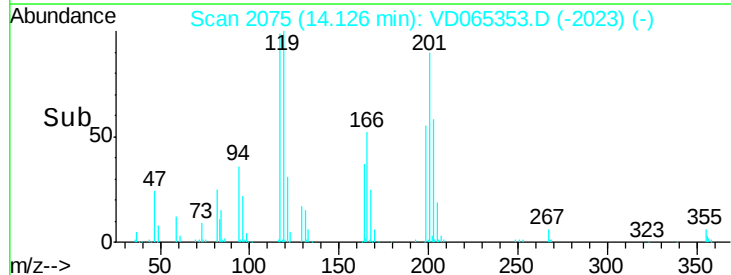
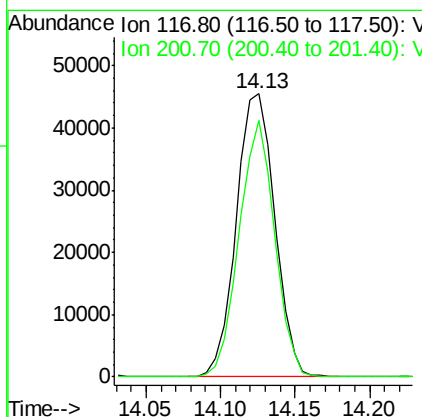
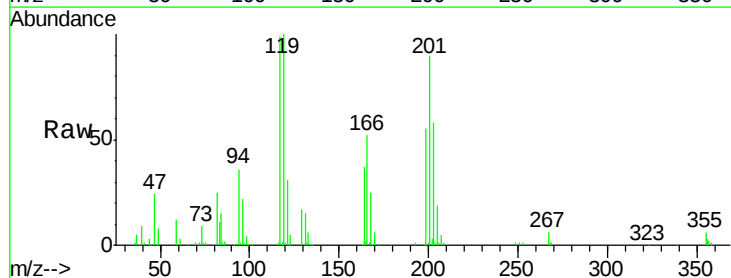
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion: 91 Resp: 385096
Ion Ratio Lower Upper
91 100
92 52.5 27.0 80.8
134 26.8 13.5 40.4



#90
Hexachloroethane
Concen: 21.83 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 117 Resp: 81531
Ion Ratio Lower Upper
117 100
201 83.3 41.3 124.1

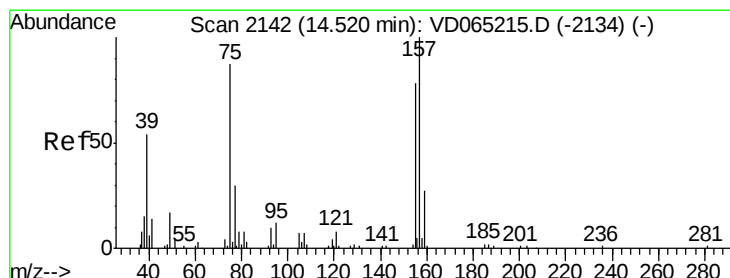
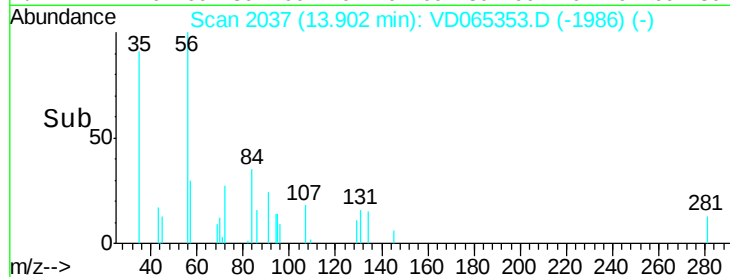
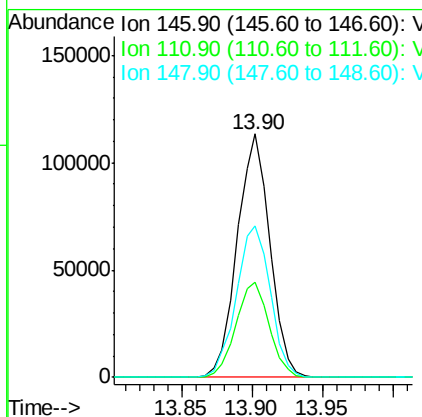
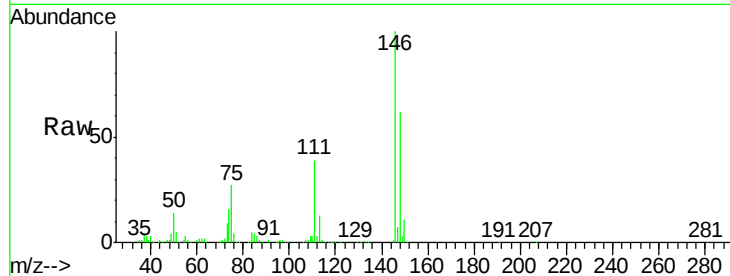




#91
 1,2-Dichlorobenzene
 Concen: 21.96 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

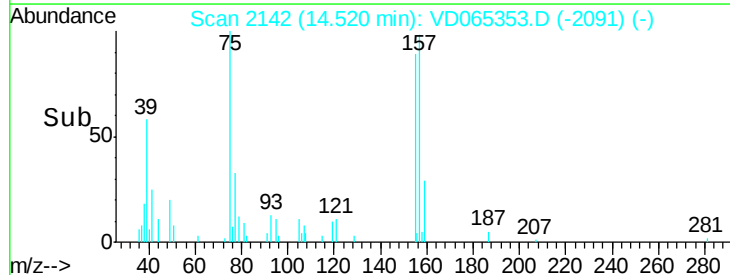
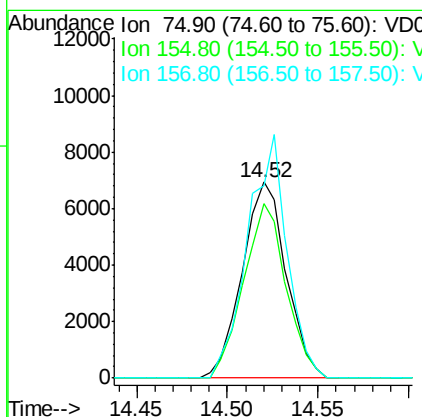
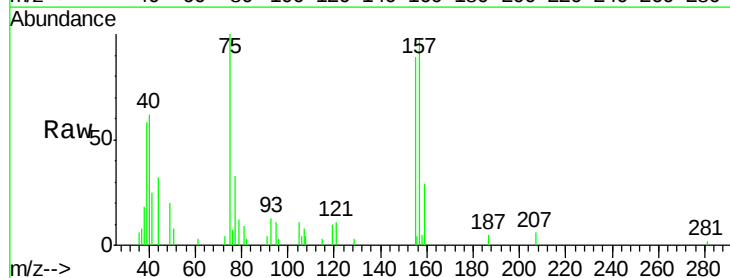
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	65.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.85 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	42.3	126.9
157	110.9	56.7	170.1

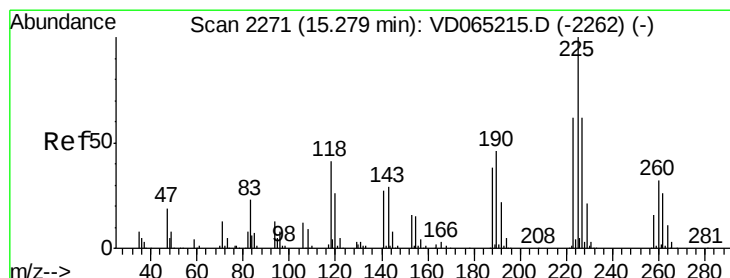
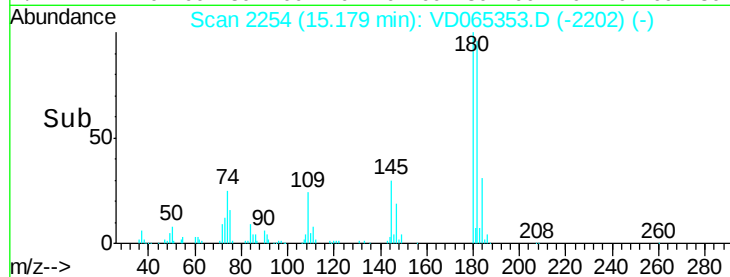
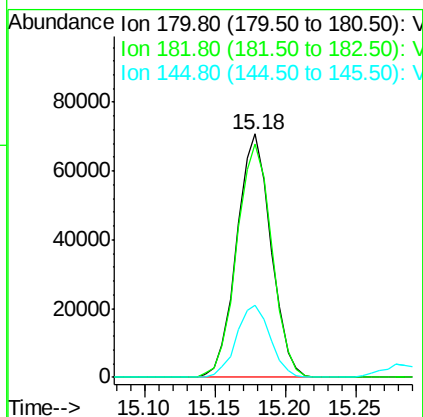
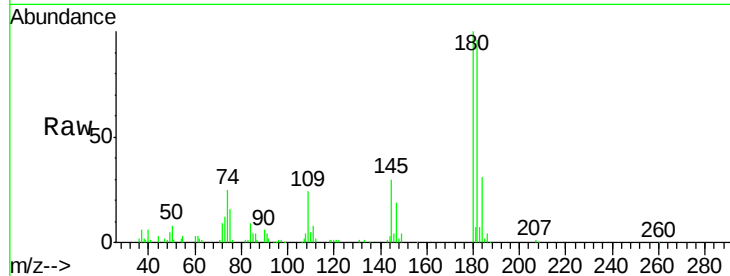




#93
 1,2,4-Trichlorobenzene
 Concen: 22.03 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

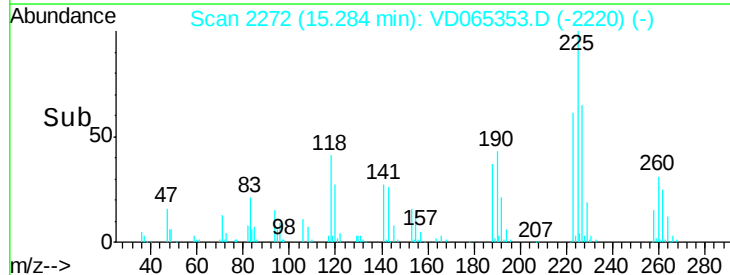
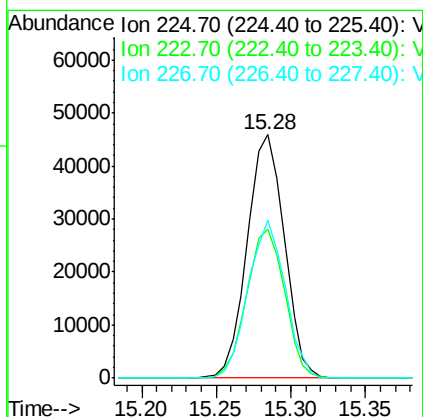
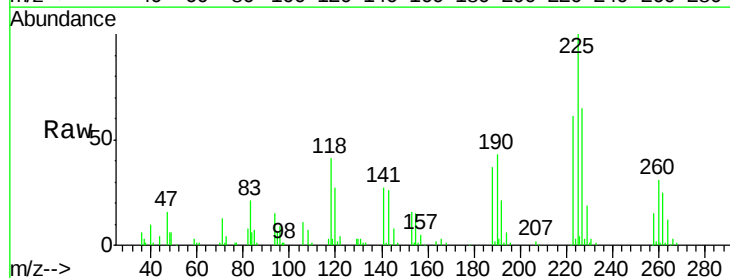
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

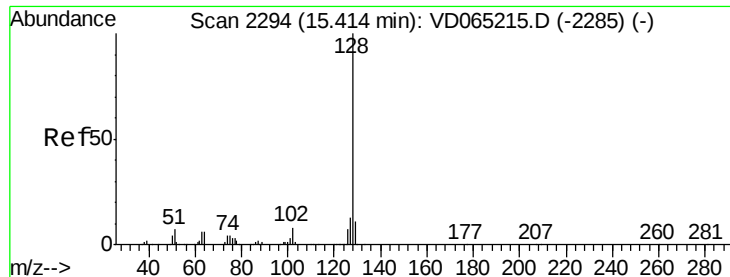
Tgt Ion:180 Resp: 120106
 Ion Ratio Lower Upper
 180 100
 182 97.9 46.9 140.6
 145 29.4 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 22.63 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion:225 Resp: 79151
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.2
 227 64.4 31.7 95.1

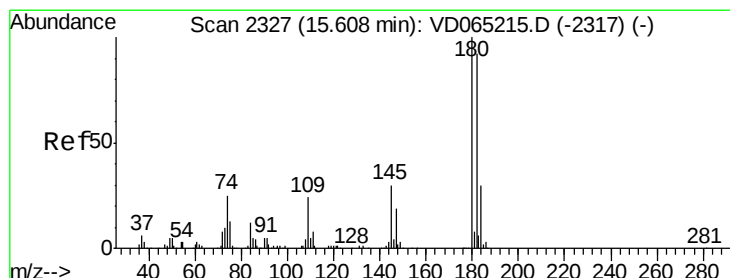
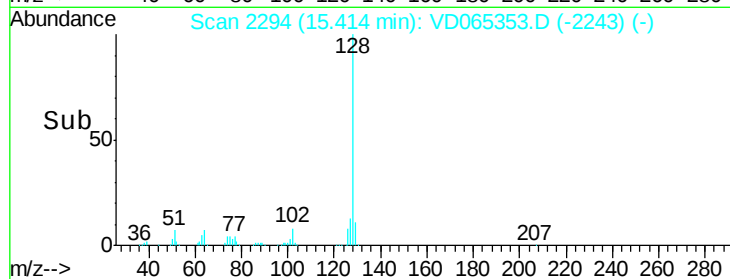
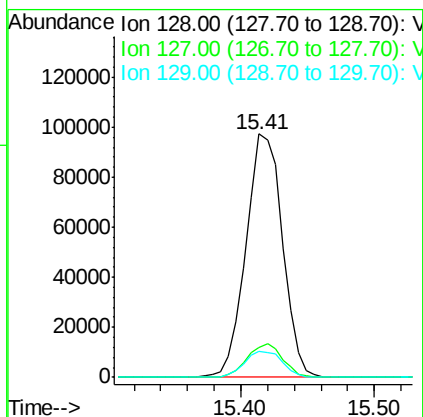
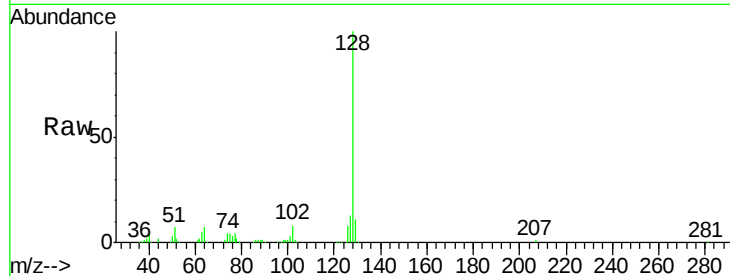




#95
Naphthalene
Concen: 20.69 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tgt Ion:128 Resp: 183389
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.21 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion:180 Resp: 105766
Ion Ratio Lower Upper
180 100
182 92.8 46.9 140.6
145 29.9 15.4 46.1

