

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
 Data File : VD065354.D
 Acq On : 28 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0228SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Quant Time: Feb 28 15:34:56 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	453239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204307	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.92	113	217173	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.34	98	842427	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.64	95	268961	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69036	18.16	ug/l	95
3) Chloromethane	2.21	50	92081	19.03	ug/l	98
4) Vinyl Chloride	2.35	62	92549	18.81	ug/l	99
5) Bromomethane	2.77	94	56765	19.08	ug/l	97
6) Chloroethane	2.92	64	57017	18.98	ug/l	97
7) Trichlorofluoromethane	3.27	101	144515	20.52	ug/l	94
8) Diethyl Ether	3.71	74	42679	20.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89137	20.04	ug/l	97
10) Methyl Iodide	4.29	142	91251	19.76	ug/l	99
11) Tert butyl alcohol	5.24	59	21482	88.17	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	86233	20.52	ug/l	96
13) Acrolein	3.93	56	34034	96.02	ug/l	99
14) Allyl chloride	4.71	41	137542	20.16	ug/l	97
15) Acrylonitrile	5.44	53	96324	102.32	ug/l	100
16) Acetone	4.17	43	91399	91.70	ug/l	92
17) Carbon Disulfide	4.40	76	268691	19.07	ug/l	100
18) Methyl Acetate	4.73	43	49965	22.29	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	175765	20.06	ug/l	98
20) Methylene Chloride	4.97	84	110023	22.24	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97178	20.34	ug/l	97
22) Diisopropyl ether	6.37	45	277528	21.10	ug/l	98
23) Vinyl Acetate	6.31	43	709621	97.85	ug/l	99
24) 1,1-Dichloroethane	6.26	63	169135	20.73	ug/l	98
25) 2-Butanone	7.22	43	116052	92.03	ug/l	100
26) 2,2-Dichloropropane	7.21	77	145715	20.58	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104537	20.66	ug/l	98
28) Bromochloromethane	7.55	49	59643	19.70	ug/l	98
29) Tetrahydrofuran	7.57	42	74728	101.14	ug/l	99
30) Chloroform	7.71	83	170715	20.77	ug/l	96
31) Cyclohexane	7.98	56	152608	19.04	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	153219	20.83	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138888	20.97	ug/l	100
37) Ethyl Acetate	7.30	43	53782	19.42	ug/l	97
38) Carbon Tetrachloride	8.10	117	139115	20.63	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0228SBS01

Quant Time: Feb 28 15:34:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155850	20.01	ug/l	95
40) Benzene	8.36	78	387486	20.73	ug/l	98
41) Methacrylonitrile	7.53	41	29314	18.33	ug/l	94
42) 1,2-Dichloroethane	8.43	62	104151	20.26	ug/l	100
43) Isopropyl Acetate	8.46	43	99540	19.77	ug/l	99
44) Trichloroethene	9.12	130	108333	20.90	ug/l	91
45) 1,2-Dichloropropane	9.40	63	96937	20.85	ug/l	97
46) Dibromomethane	9.48	93	49412	20.66	ug/l	100
47) Bromodichloromethane	9.67	83	129110	20.48	ug/l	96
48) Methyl methacrylate	9.46	41	44516	19.13	ug/l	94
49) 1,4-Dioxane	9.47	88	10913	388.99	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	251561	98.36	ug/l	100
52) Toluene	10.41	92	250576	21.65	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119029	20.37	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	146037	20.70	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71602	21.27	ug/l	99
56) Ethyl methacrylate	10.67	69	78171	20.12	ug/l	98
57) 1,3-Dichloropropane	10.95	76	117299	20.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	125048	102.07	ug/l	99
59) 2-Hexanone	10.99	43	176590	96.45	ug/l	97
60) Dibromochloromethane	11.14	129	90218	20.94	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65900	20.67	ug/l	99
64) Tetrachloroethene	10.88	164	92994	21.11	ug/l	98
65) Chlorobenzene	11.68	112	262015	21.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96070	20.66	ug/l	99
67) Ethyl Benzene	11.75	91	447605	20.51	ug/l	98
68) m/p-Xylenes	11.86	106	354957	42.51	ug/l	98
69) o-Xylene	12.19	106	154002	20.82	ug/l	100
70) Styrene	12.20	104	274373	20.89	ug/l	100
71) Bromoform	12.37	173	52577	20.37	ug/l #	99
73) Isopropylbenzene	12.48	105	425757	21.50	ug/l	100
74) N-amyl acetate	12.30	43	87774	19.94	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74821	20.93	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	95463	37.51	ug/l #	100
77) Bromobenzene	12.77	156	105193	21.39	ug/l	99
78) n-propylbenzene	12.83	91	518261	21.78	ug/l	99
79) 2-Chlorotoluene	12.91	91	286159	21.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	361644	22.17	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	23804	20.19	ug/l	93
82) 4-Chlorotoluene	13.01	91	303228	21.42	ug/l	97
83) tert-Butylbenzene	13.23	119	294593	21.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	357240	21.88	ug/l	100
85) sec-Butylbenzene	13.41	105	420049	21.32	ug/l	100
86) p-Isopropyltoluene	13.53	119	388835	21.58	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	202556	21.30	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	201104	21.43	ug/l	99
89) n-Butylbenzene	13.86	91	352069	21.21	ug/l	98
90) Hexachloroethane	14.12	117	77875	21.29	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	172839	21.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10812	19.63	ug/l	96

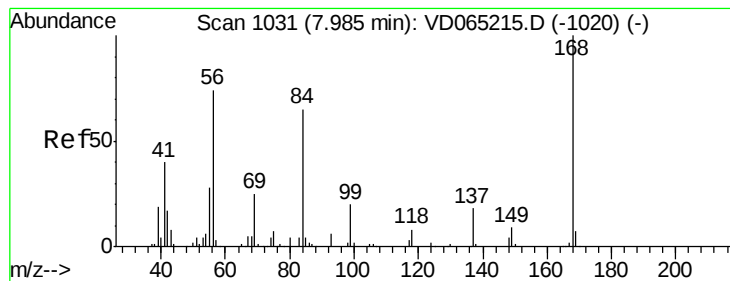
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
Data File : VD065354.D
Acq On : 28 Feb 2020 12:09
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Sample : VD0228SBSD01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant 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	15.17	180	114953	21.53	ug/l	98
94) Hexachlorobutadiene	15.28	225	71842	20.97	ug/l	98
95) Naphthalene	15.41	128	178466	20.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102901	22.06	ug/l	98

(#) = 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: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

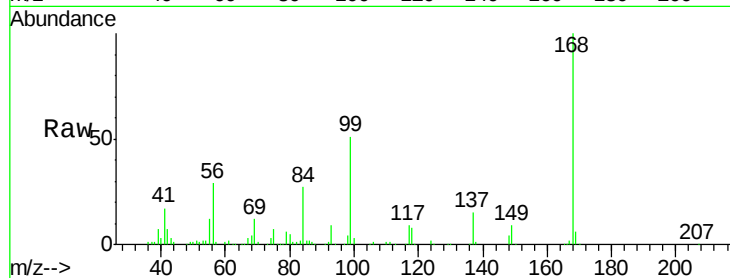
VD0228SBSD01

Tgt Ion:168 Resp: 453239

Ion Ratio Lower Upper

168 100

99 51.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

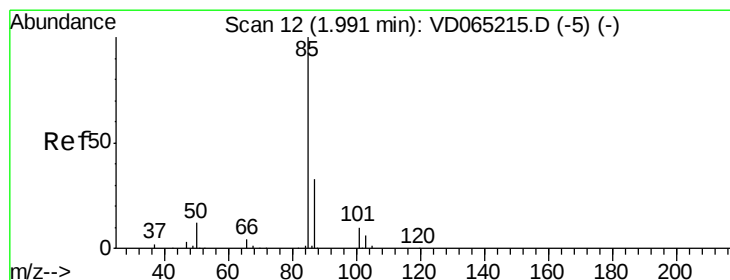
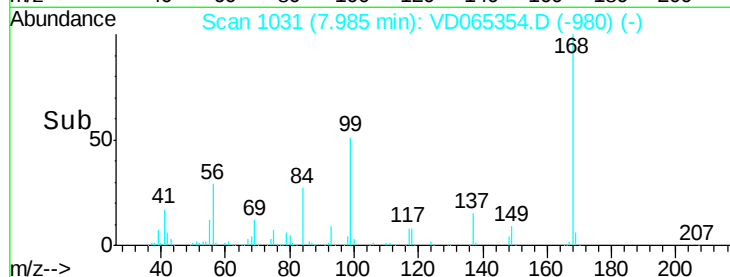
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.16 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065354.D

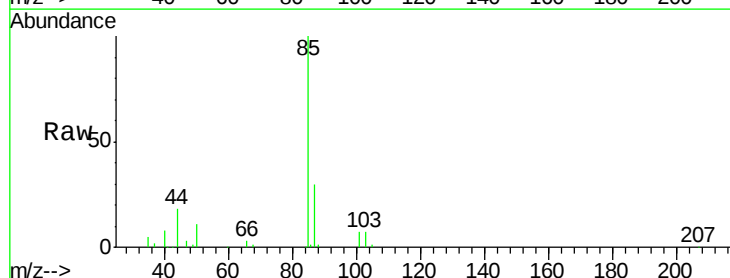
Acq: 28 Feb 2020 12:09

Tgt Ion: 85 Resp: 69036

Ion Ratio Lower Upper

85 100

87 29.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

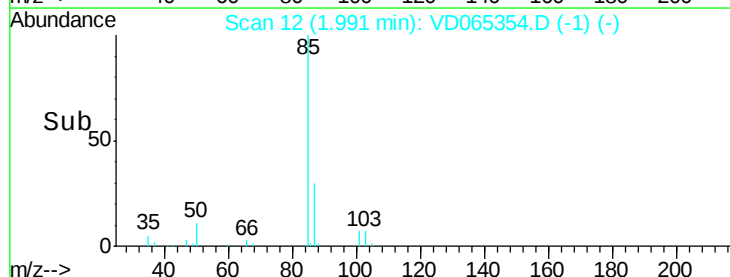
20000

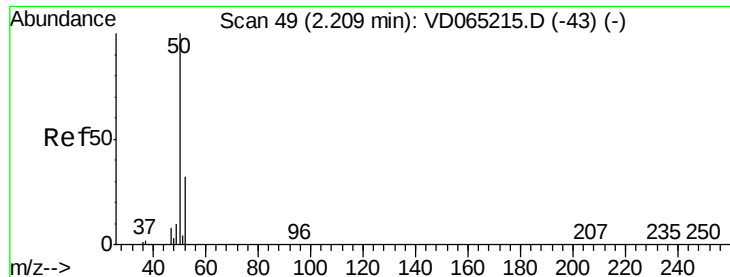
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.03 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

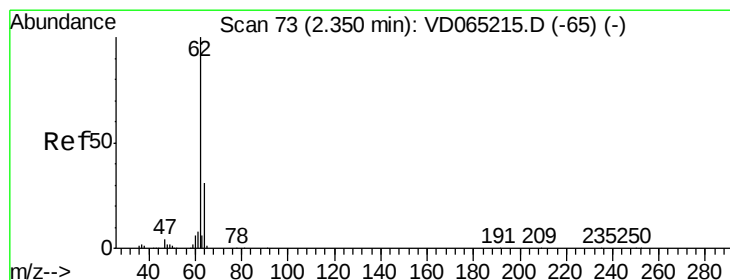
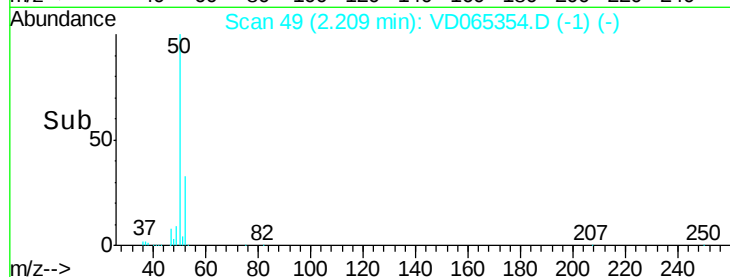
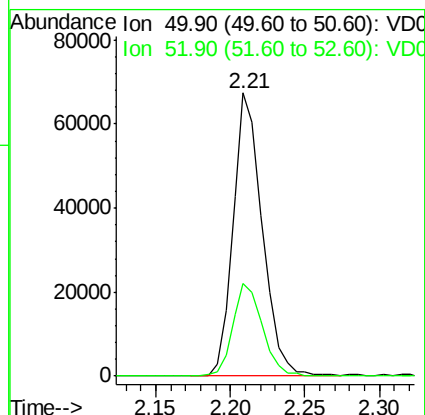
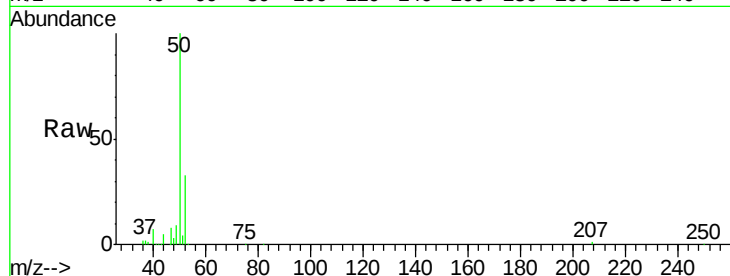
VD0228SBS01

Tgt Ion: 50 Resp: 92081

Ion Ratio Lower Upper

50 100

52 32.9 25.5 38.3



#4

Vinyl Chloride

Concen: 18.81 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065354.D

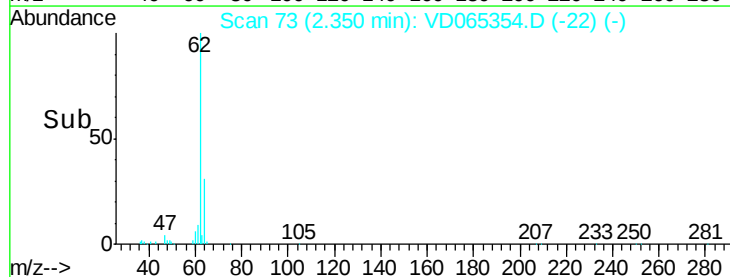
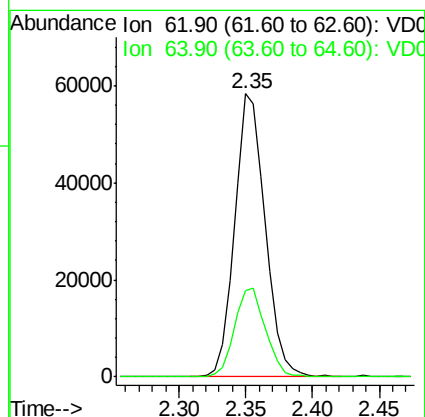
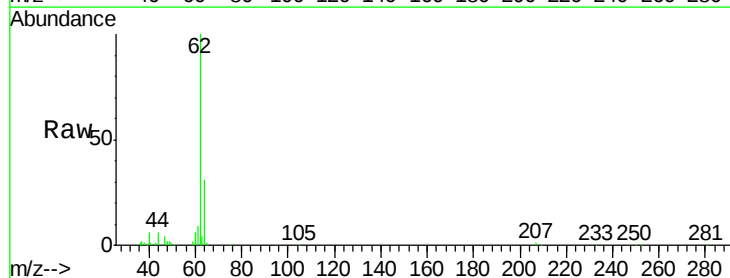
Acq: 28 Feb 2020 12:09

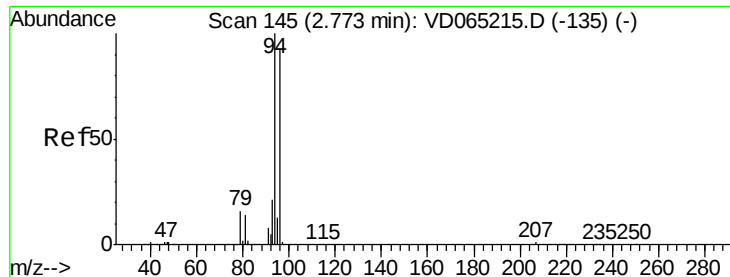
Tgt Ion: 62 Resp: 92549

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.6





#5

Bromomethane

Concen: 19.08 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

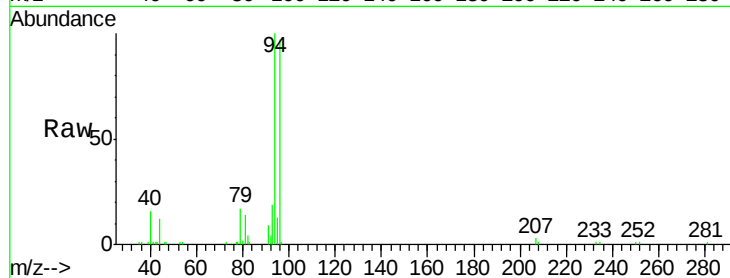
VD0228SBS01

Tgt Ion: 94 Resp: 56765

Ion Ratio Lower Upper

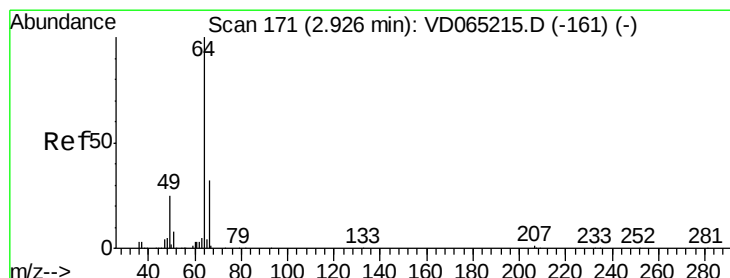
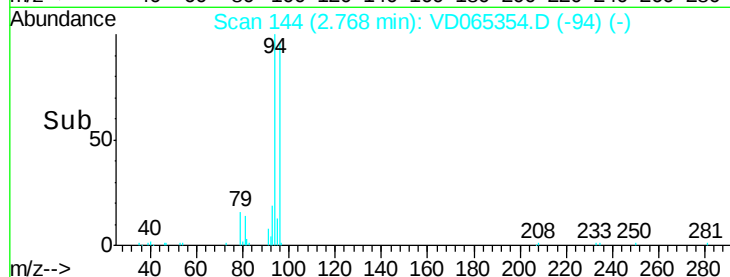
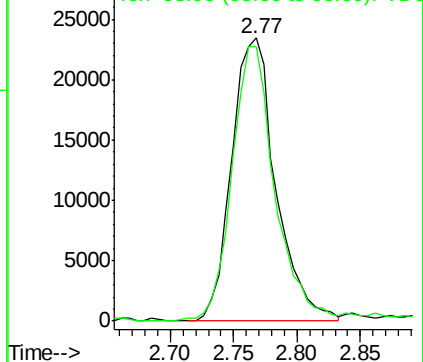
94 100

96 96.0 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: 18.98 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065354.D

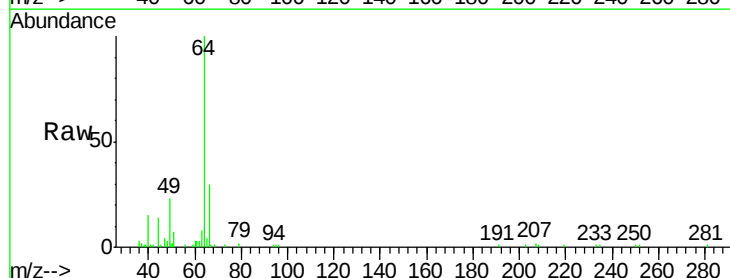
Acq: 28 Feb 2020 12:09

Tgt Ion: 64 Resp: 57017

Ion Ratio Lower Upper

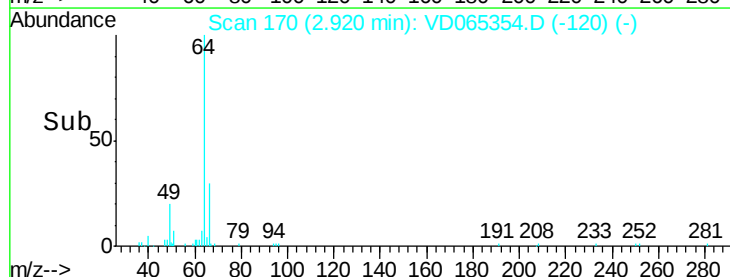
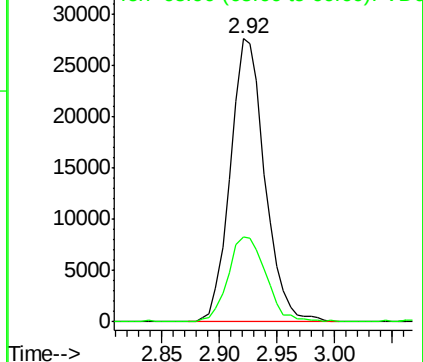
64 100

66 30.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.52 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

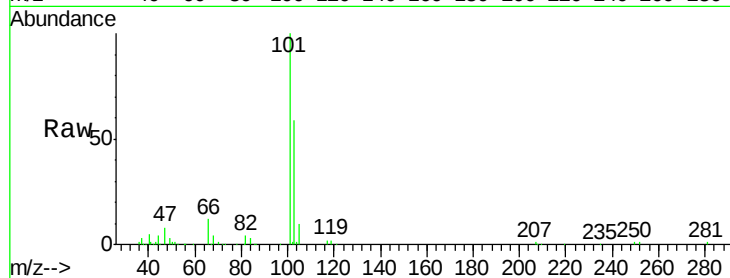
VD0228SBS01

Tgt Ion:101 Resp: 144515

Ion Ratio Lower Upper

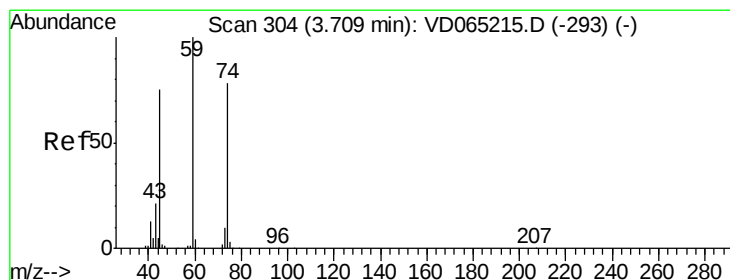
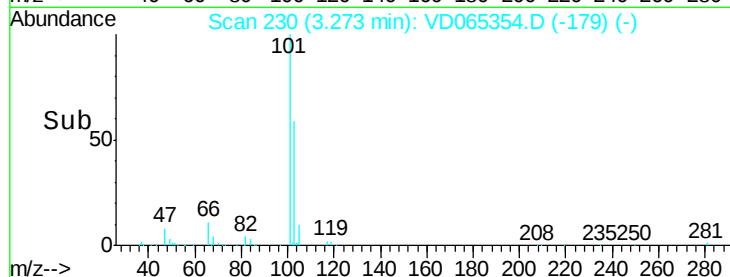
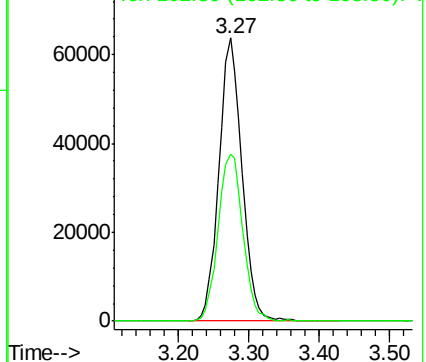
101 100

103 58.8 50.7 76.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.07 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065354.D

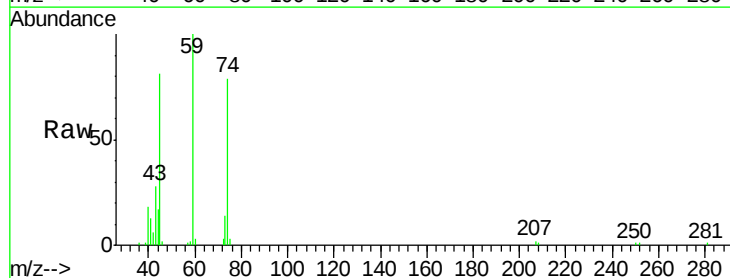
Acq: 28 Feb 2020 12:09

Tgt Ion: 74 Resp: 42679

Ion Ratio Lower Upper

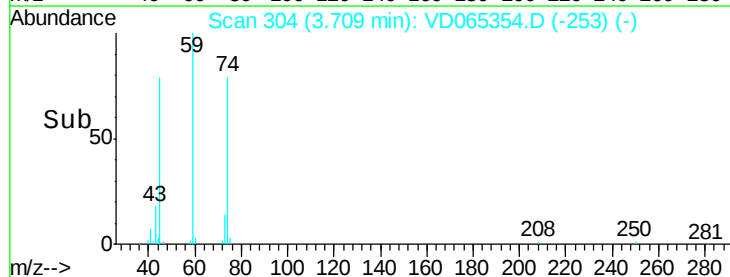
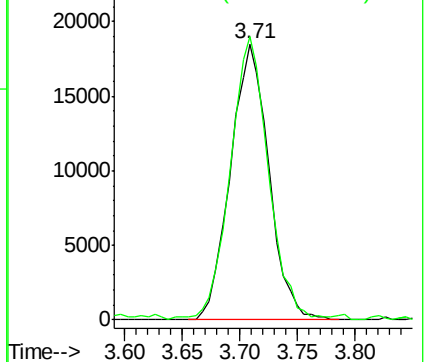
74 100

45 102.5 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.04 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

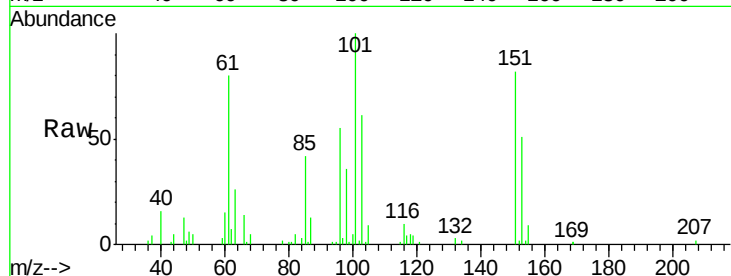
Tgt Ion:101 Resp: 89137

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

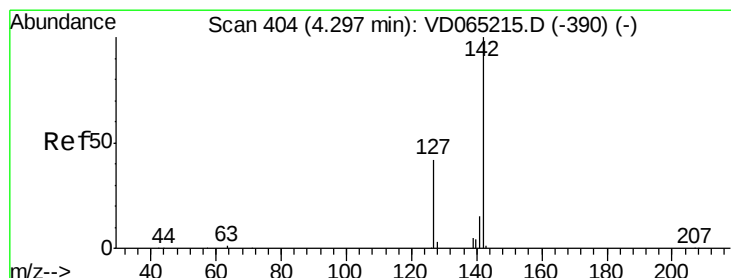
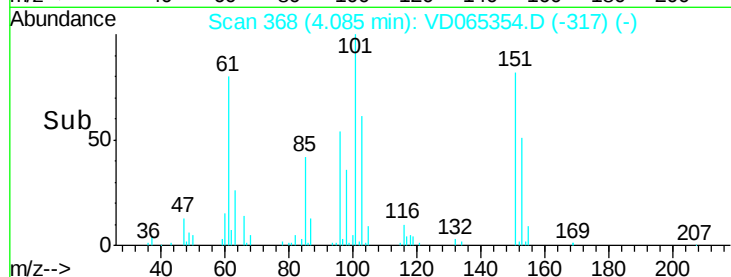
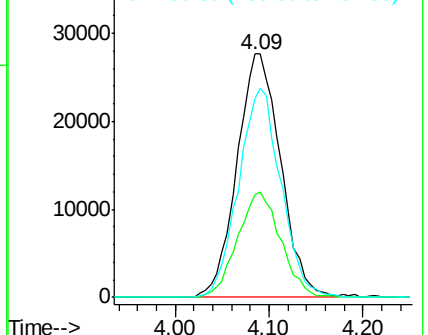
151 83.2 63.5 95.3



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: 19.76 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

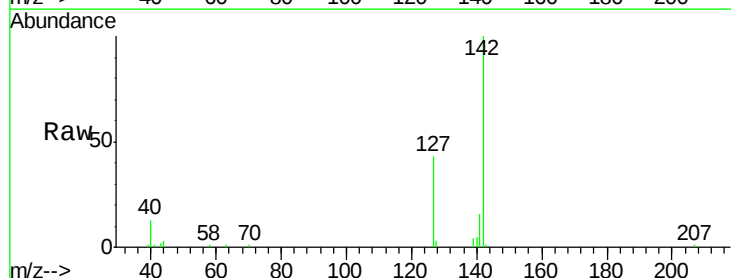
Tgt Ion:142 Resp: 91251

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.8

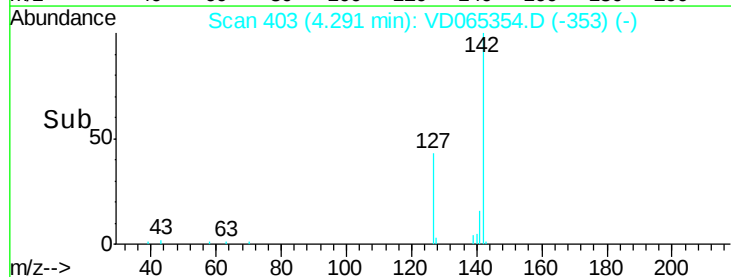
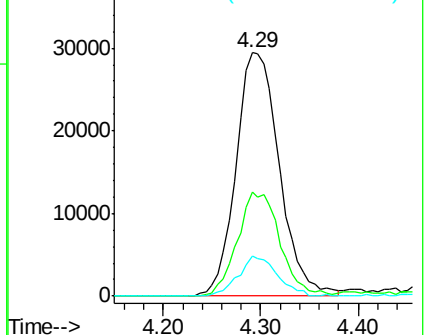
141 14.6 11.7 17.5

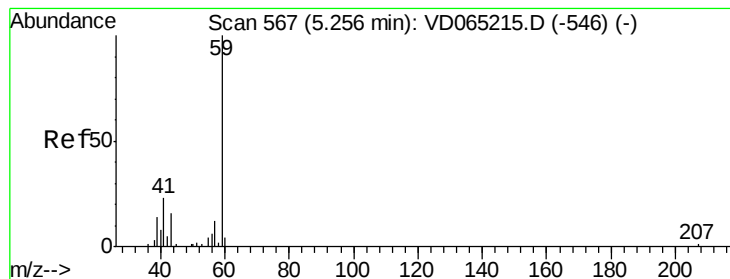


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.17 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

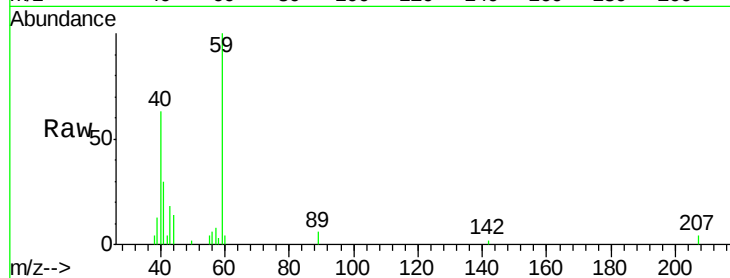
VD0228SBSD01

Tgt Ion: 59 Resp: 21482

Ion Ratio Lower Upper

59 100

57 5.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

6000

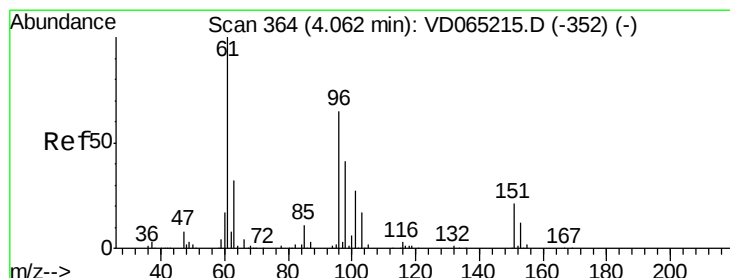
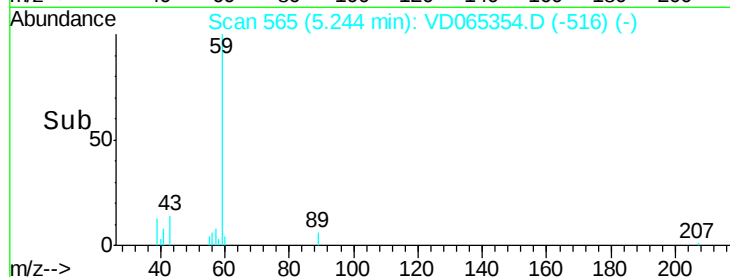
4000

2000

0

Time-->

5.20 5.25 5.30 5.35



#12

1,1-Dichloroethene

Concen: 20.52 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

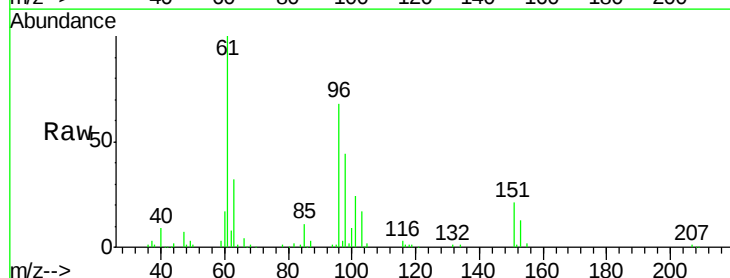
Tgt Ion: 96 Resp: 86233

Ion Ratio Lower Upper

96 100

61 147.9 123.3 184.9

98 64.5 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

60000

50000

40000

30000

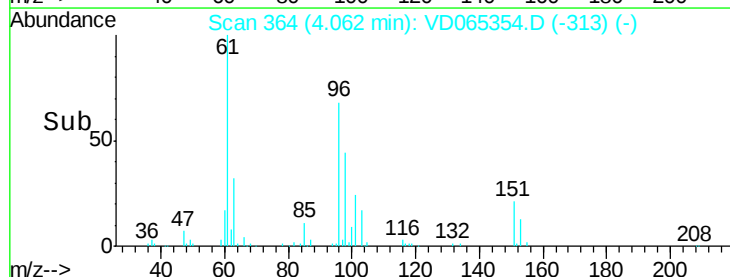
20000

10000

0

Time-->

3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 96.02 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

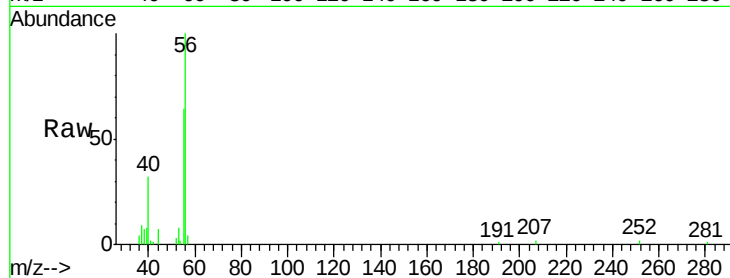
VD0228SBS01

Tgt Ion: 56 Resp: 34034

Ion Ratio Lower Upper

56 100

55 71.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

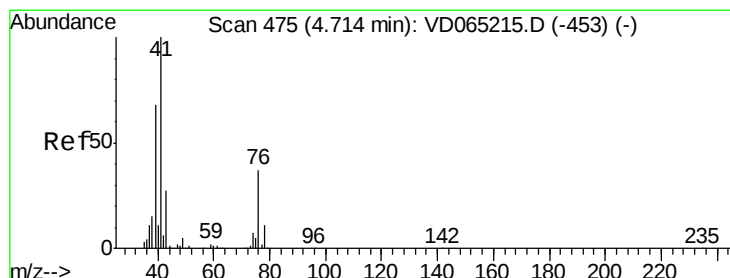
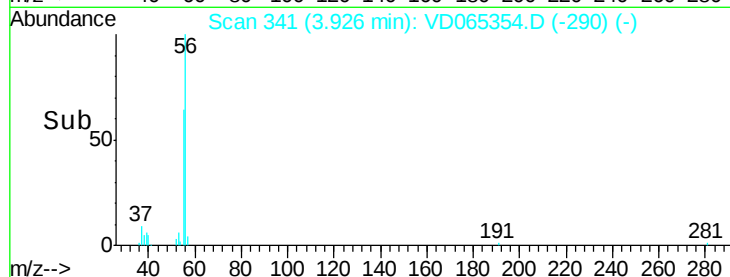
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.16 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

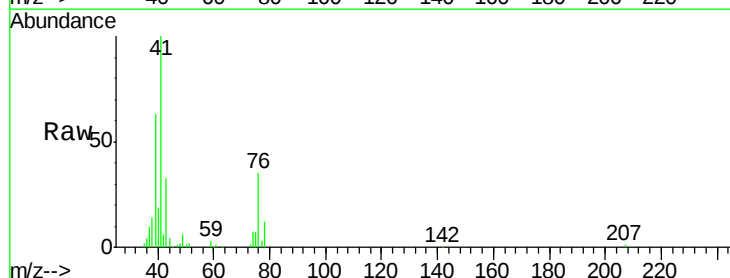
Tgt Ion: 41 Resp: 137542

Ion Ratio Lower Upper

41 100

39 63.6 53.8 80.6

76 36.0 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

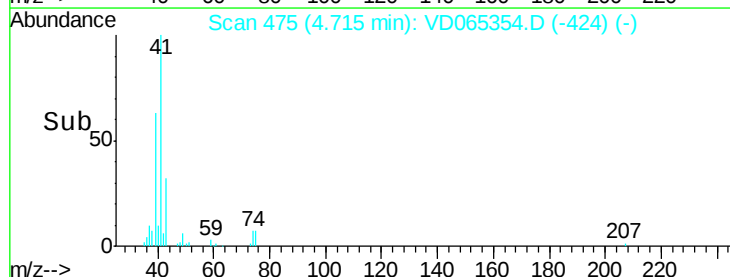
30000

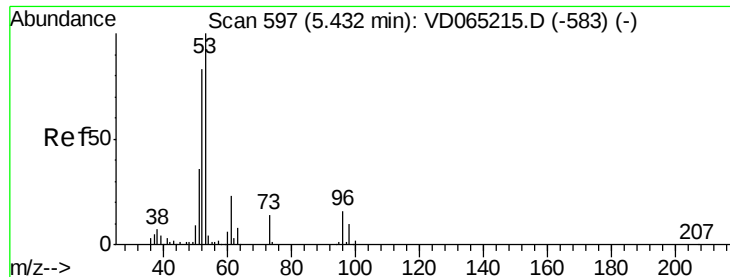
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 102.32 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

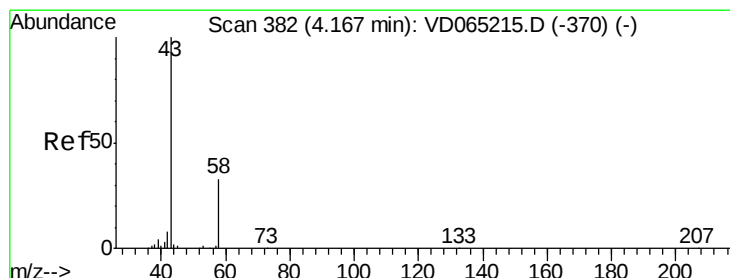
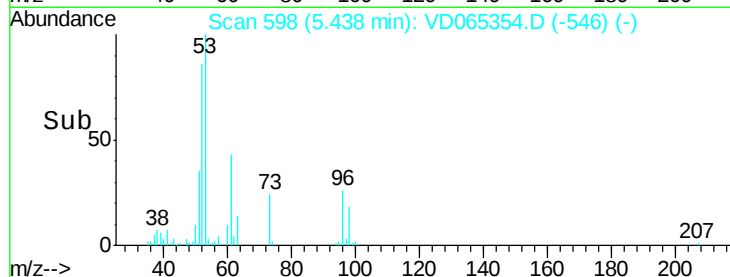
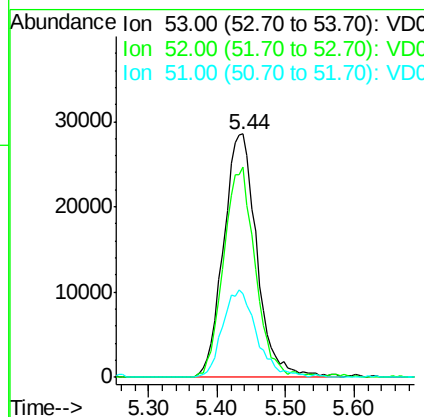
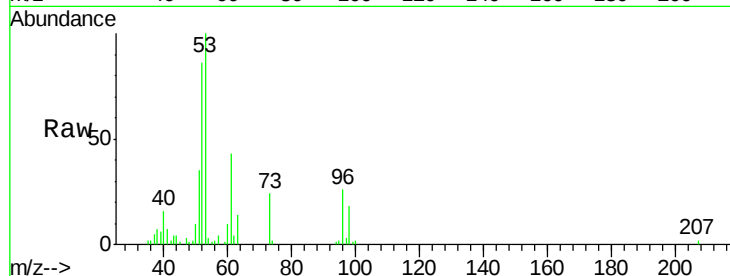
Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

Tgt Ion:	53	Resp:	96324
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	36.6	29.5	44.3



#16

Acetone

Concen: 91.70 ug/l

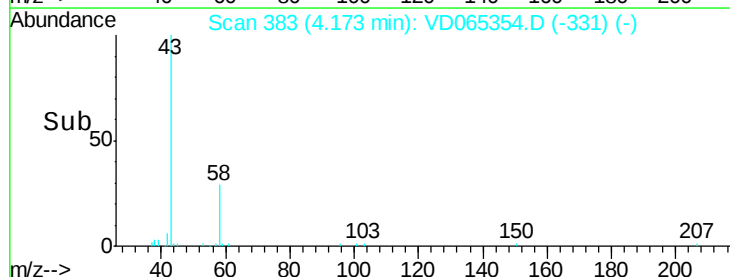
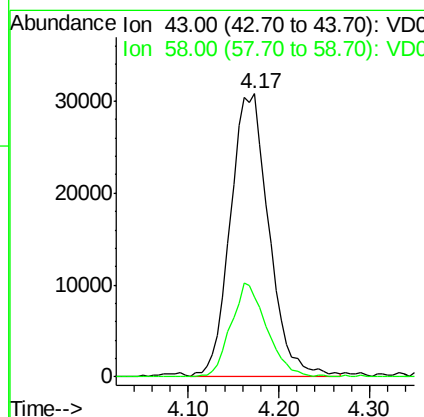
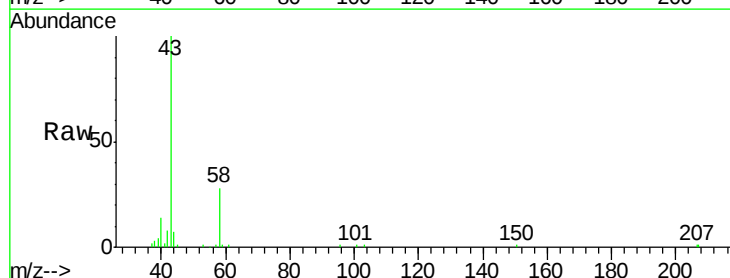
RT: 4.17 min Scan# 383

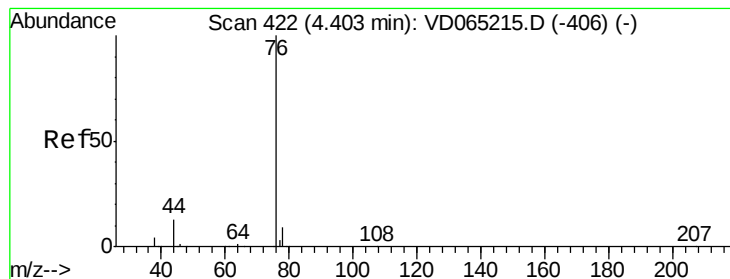
Delta R.T. 0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Tgt Ion:	43	Resp:	91399
Ion	Ratio	Lower	Upper
43	100		
58	28.3	26.2	39.2





#17

Carbon Disulfide

Concen: 19.07 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

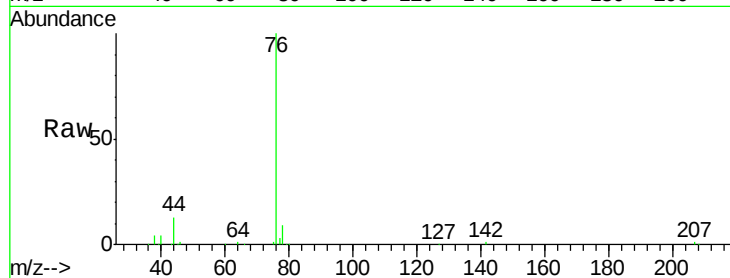
VD0228SBSD01

Tgt Ion: 76 Resp: 268691

Ion Ratio Lower Upper

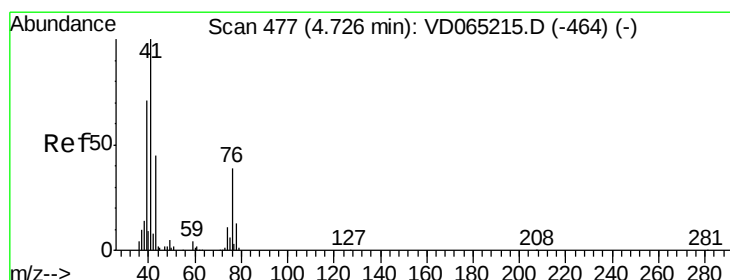
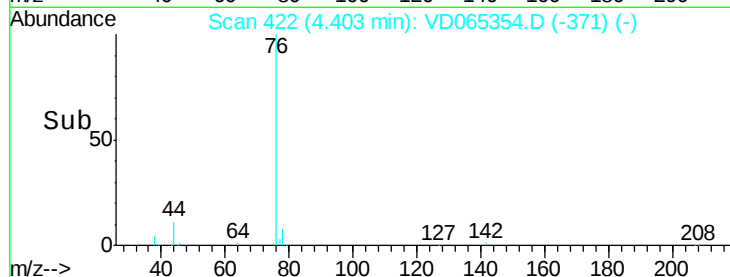
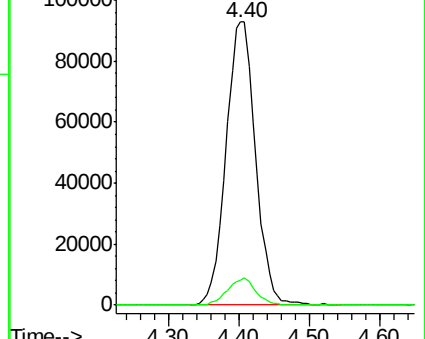
76 100

78 8.7 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: 22.29 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065354.D

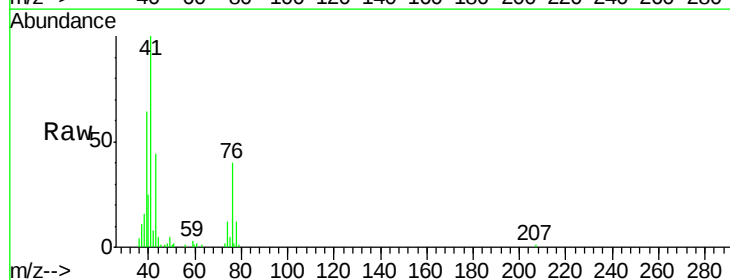
Acq: 28 Feb 2020 12:09

Tgt Ion: 43 Resp: 49965

Ion Ratio Lower Upper

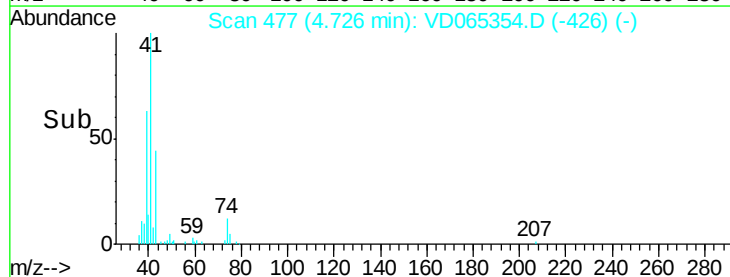
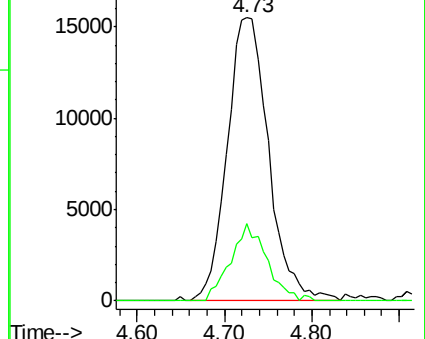
43 100

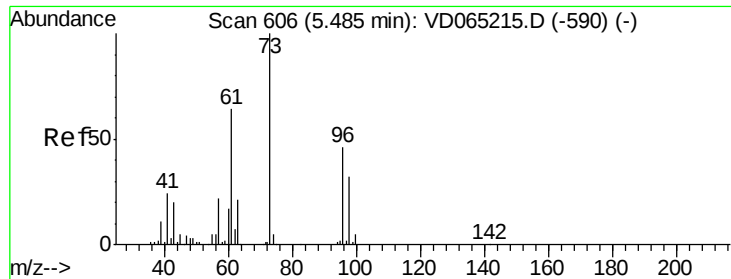
74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

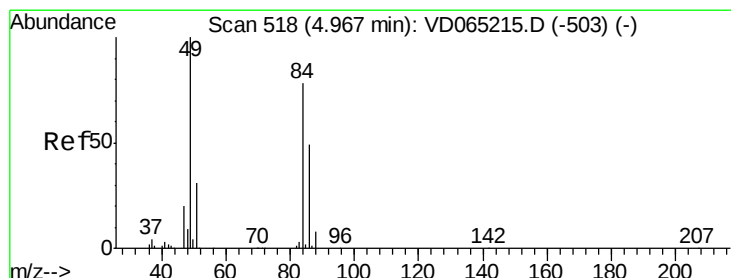
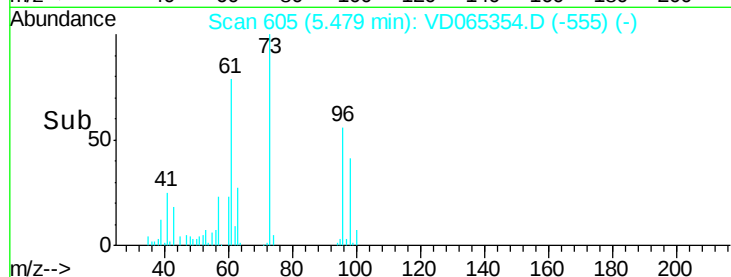
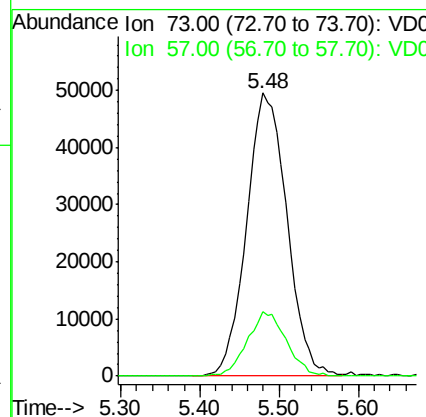
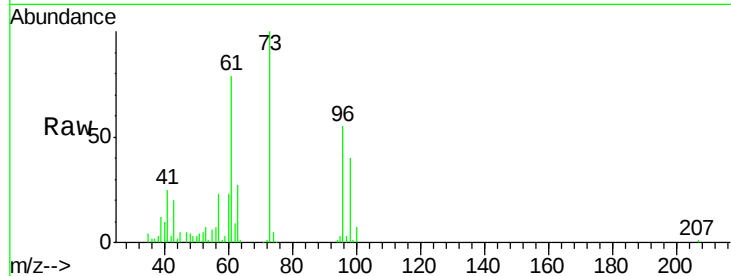




#19
Methyl tert-butyl Ether
Concen: 20.06 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

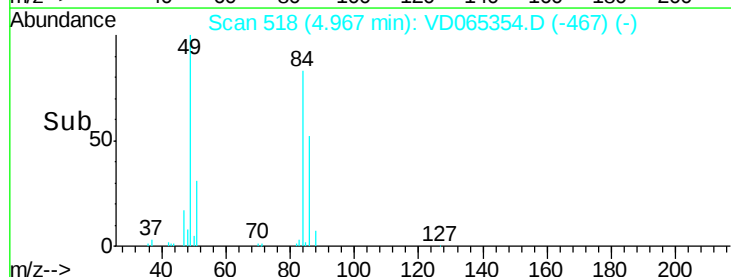
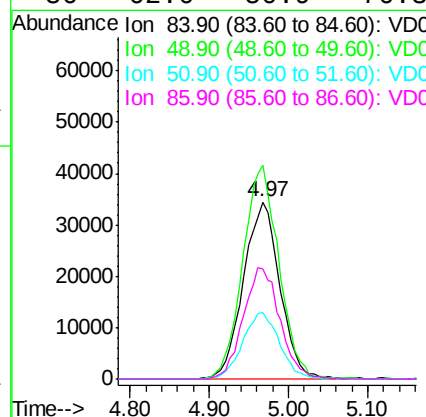
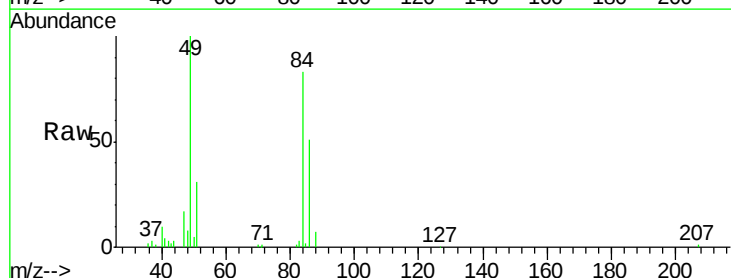
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

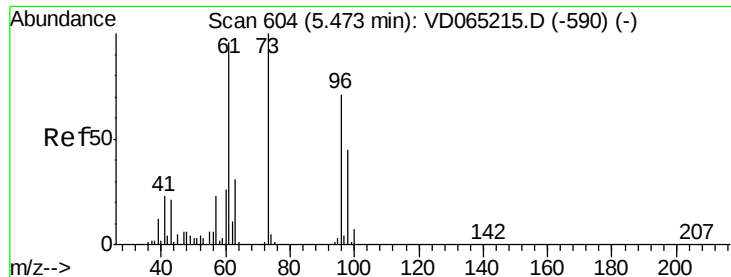
Tgt Ion: 73 Resp: 175765
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9



#20
Methylene Chloride
Concen: 22.24 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 84 Resp: 110023
Ion Ratio Lower Upper
84 100
49 120.8 103.1 154.7
51 37.4 31.7 47.5
86 62.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.34 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

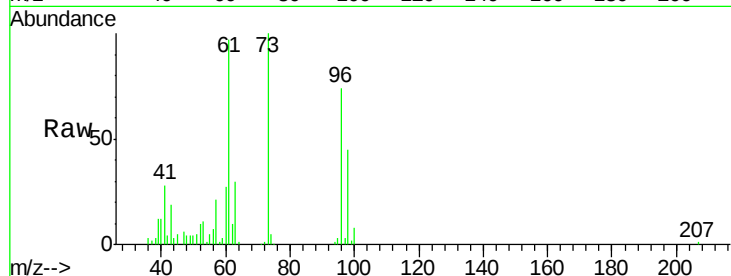
Tgt Ion: 96 Resp: 97178

Ion Ratio Lower Upper

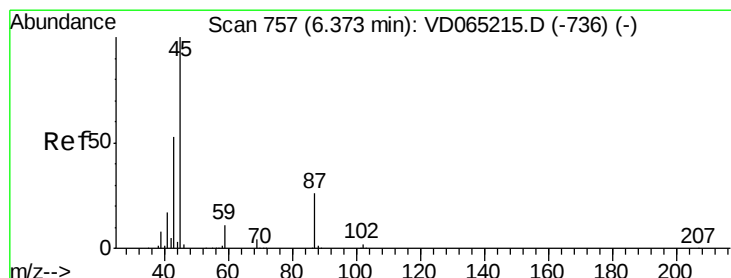
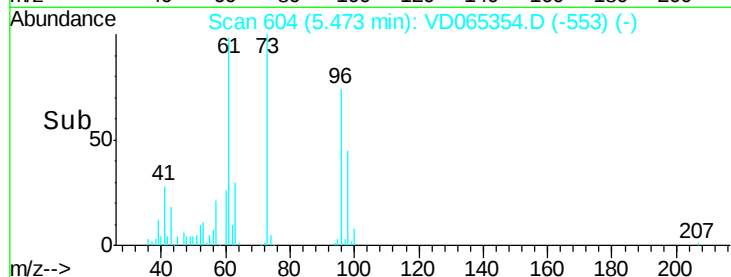
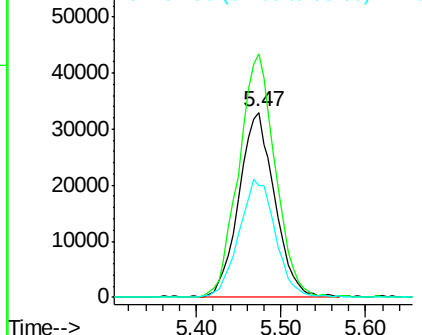
96 100

61 131.6 108.3 162.5

98 60.5 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: 21.10 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Tgt Ion: 45 Resp: 277528

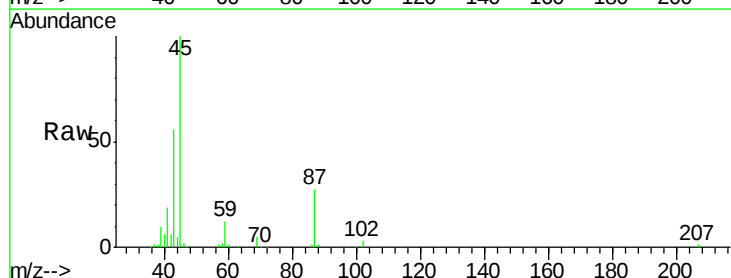
Ion Ratio Lower Upper

45 100

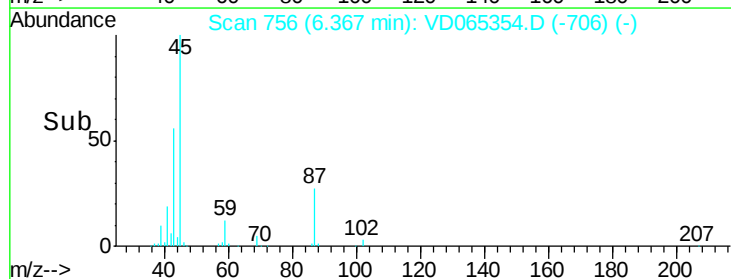
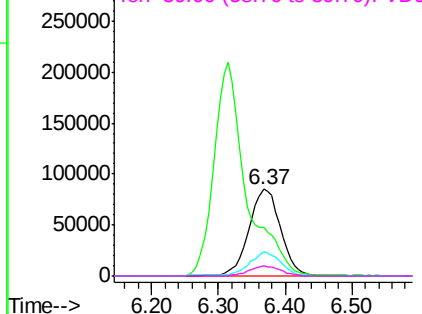
43 54.5 42.6 64.0

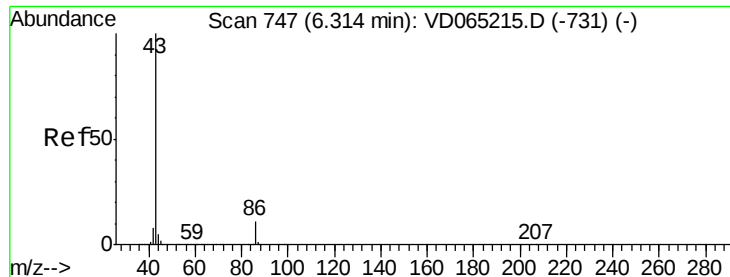
87 27.5 21.2 31.8

59 11.8 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: 97.85 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

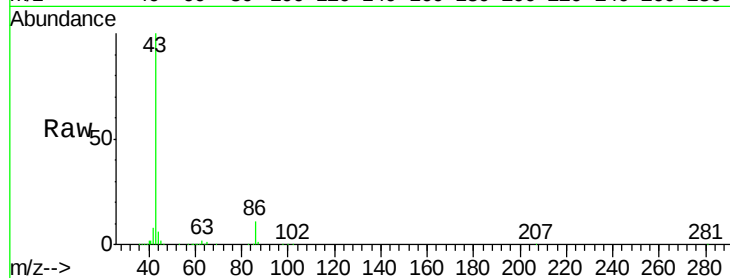
VD0228SBS01

Tgt Ion: 43 Resp: 709621

Ion Ratio Lower Upper

43 100

86 11.0 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

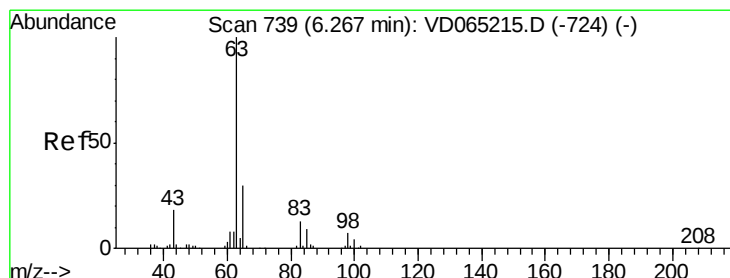
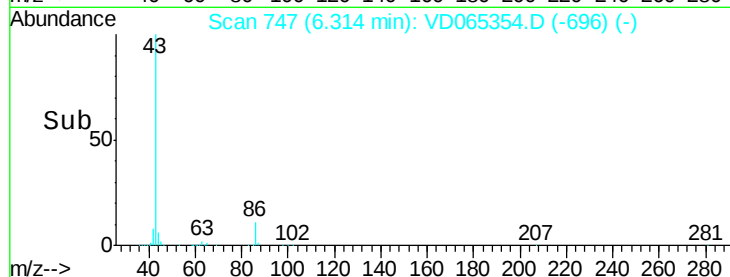
100000

50000

0

6.20 6.31 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.73 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

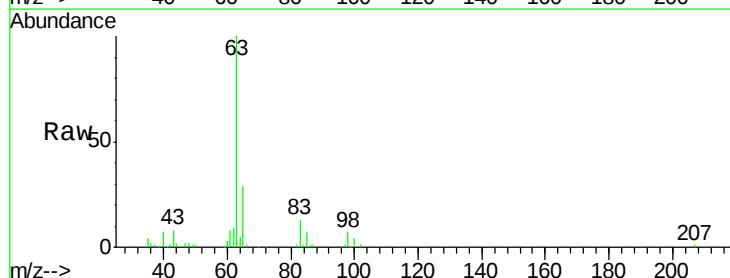
Tgt Ion: 63 Resp: 169135

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

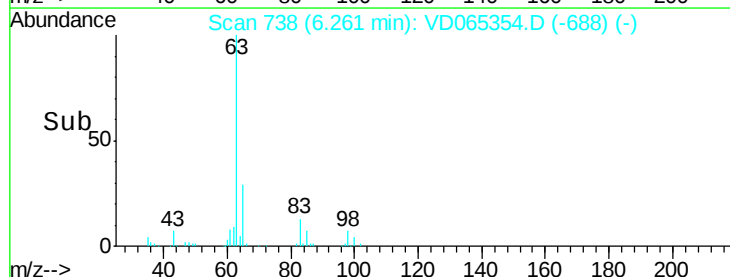
40000

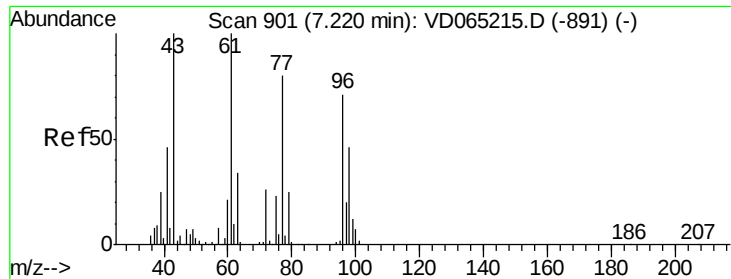
20000

0

6.10 6.26 6.30 6.40

Time-->





#25

2-Butanone

Concen: 92.03 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

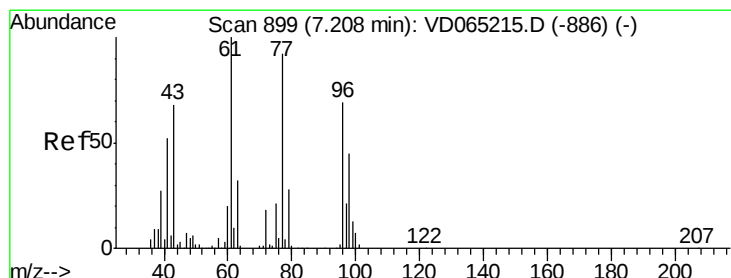
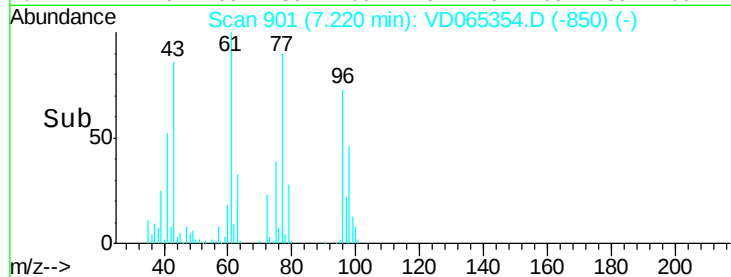
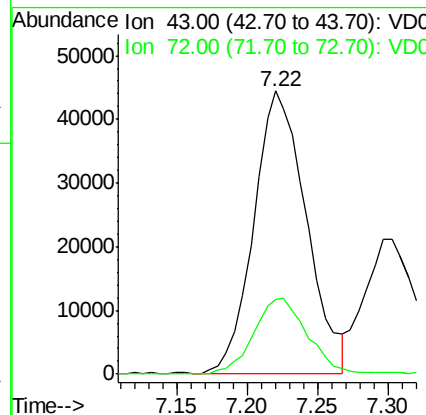
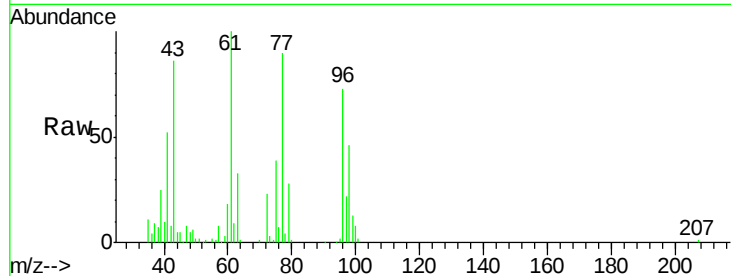
VD0228SBSD01

Tgt Ion: 43 Resp: 116052

Ion Ratio Lower Upper

43 100

72 26.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.58 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065354.D

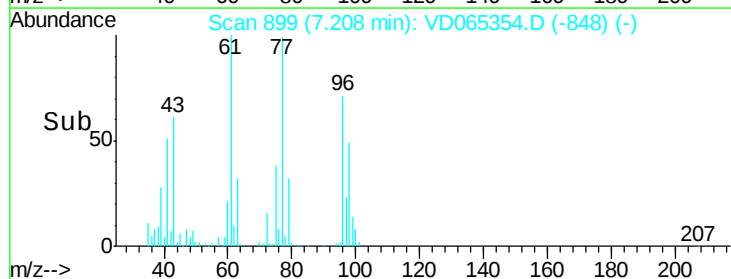
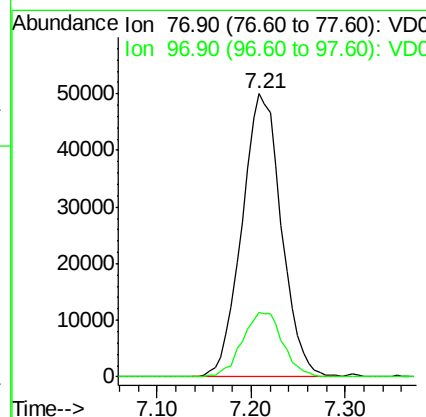
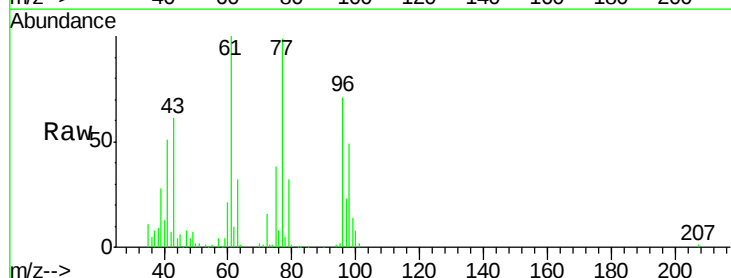
Acq: 28 Feb 2020 12:09

Tgt Ion: 77 Resp: 145715

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.66 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

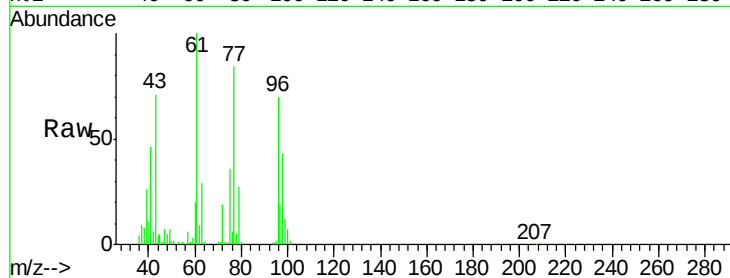
Tgt Ion: 96 Resp: 104537

Ion Ratio Lower Upper

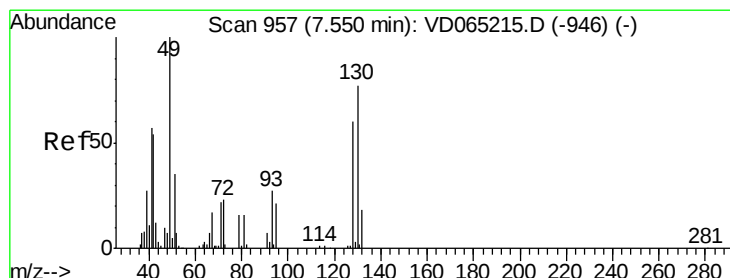
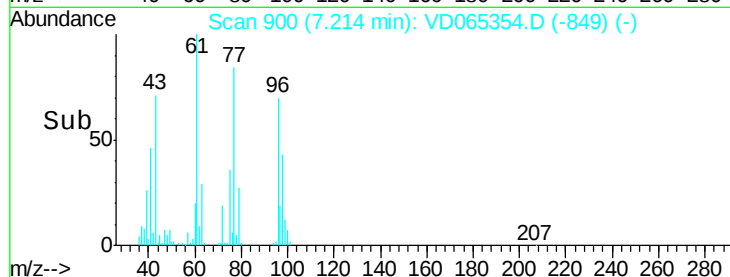
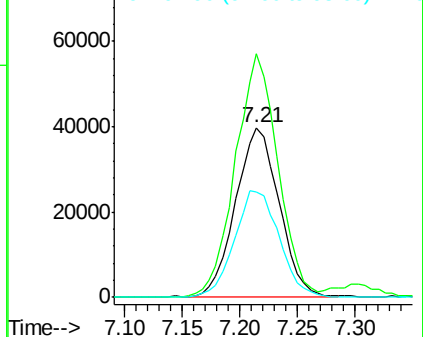
96 100

61 140.0 0.0 286.0

98 64.5 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: 19.70 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

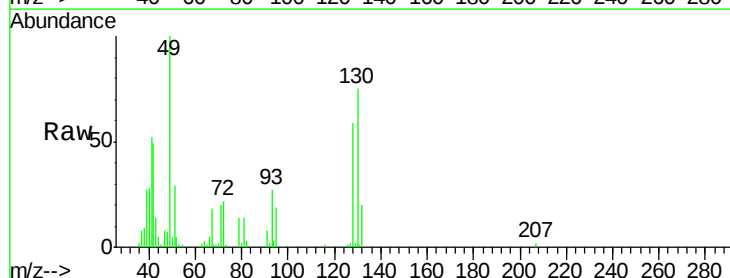
Tgt Ion: 49 Resp: 59643

Ion Ratio Lower Upper

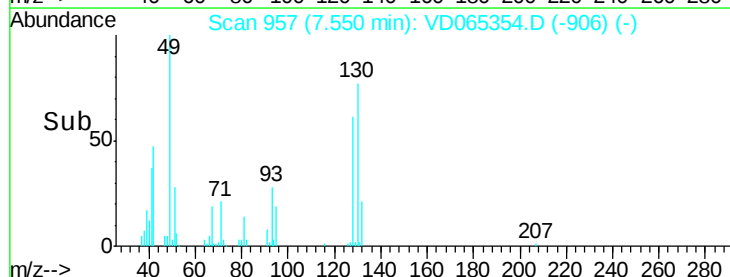
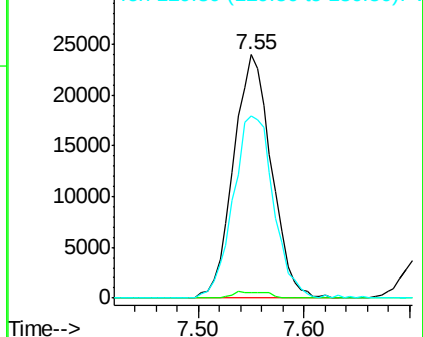
49 100

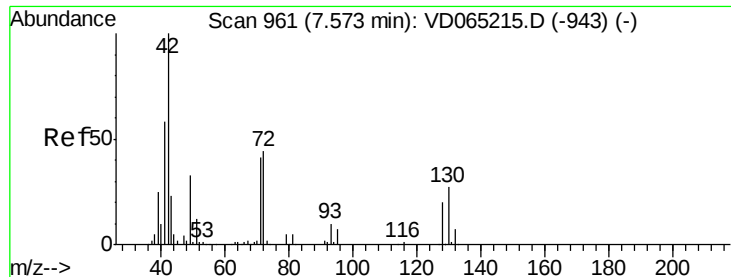
129 1.3 0.0 4.6

130 79.5 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

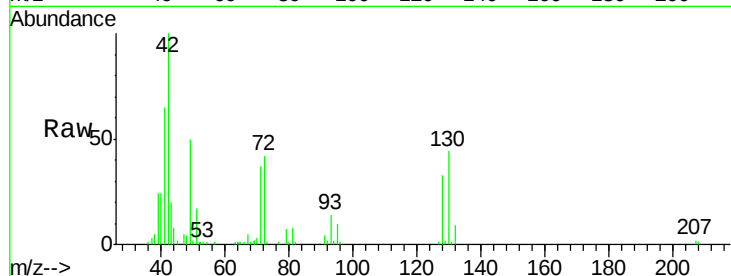




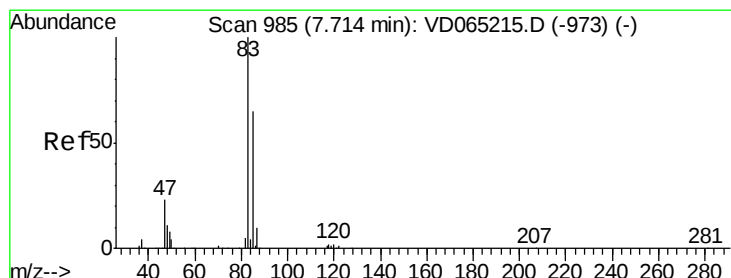
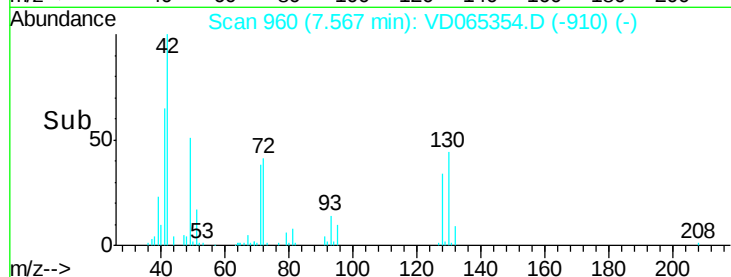
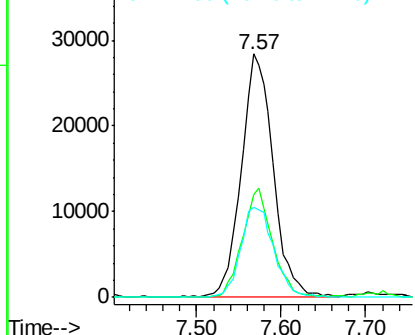
#29
Tetrahydrofuran
Concen: 101.14 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion: 42 Resp: 74728
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 38.2 31.4 47.2

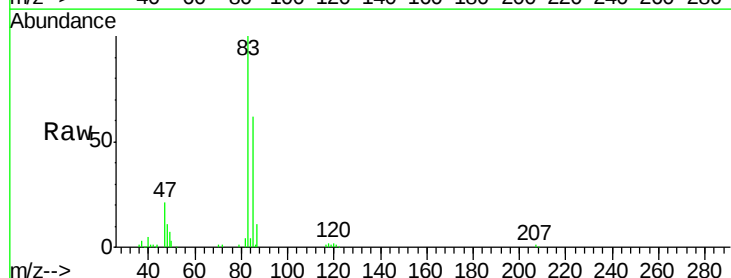


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

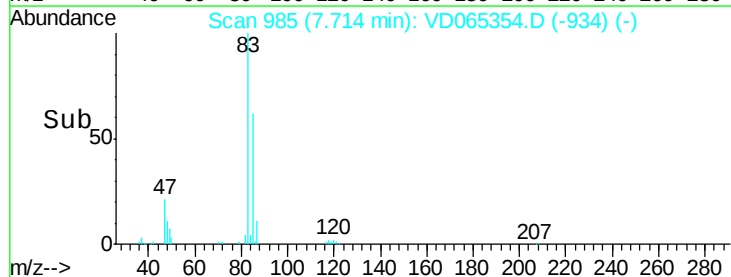
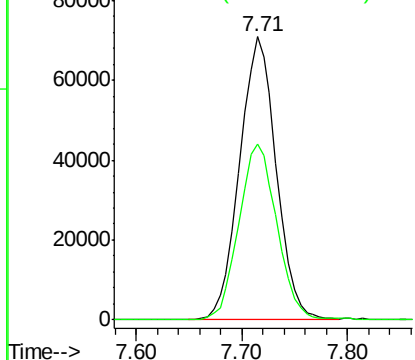


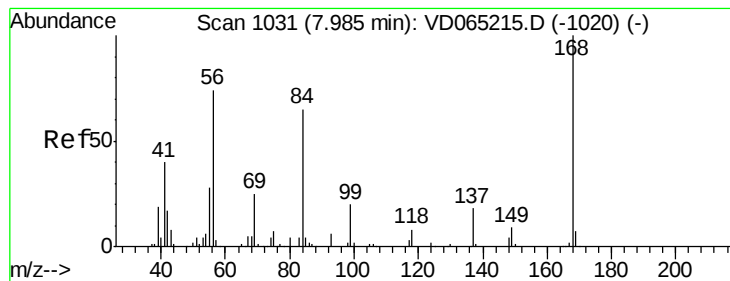
#30
Chloroform
Concen: 20.77 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 83 Resp: 170715
Ion Ratio Lower Upper
83 100
85 62.3 52.3 78.5



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





#31

Cyclohexane

Concen: 19.04 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

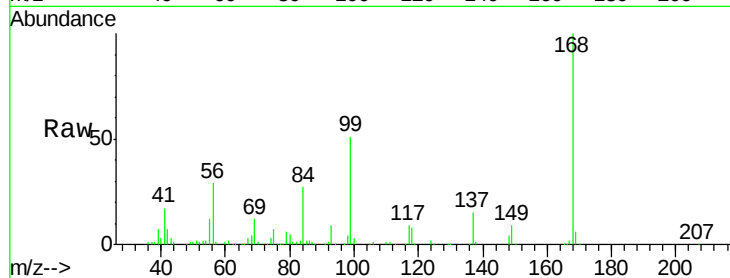
Tgt Ion: 56 Resp: 152608

Ion Ratio Lower Upper

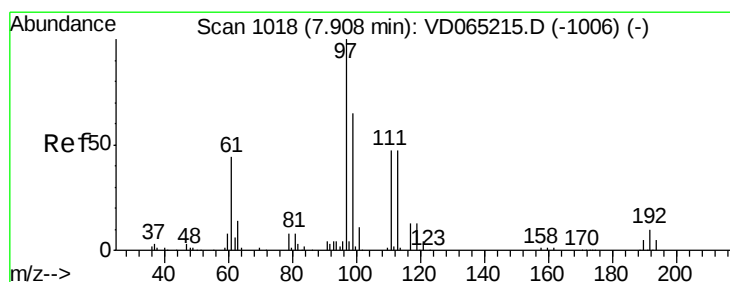
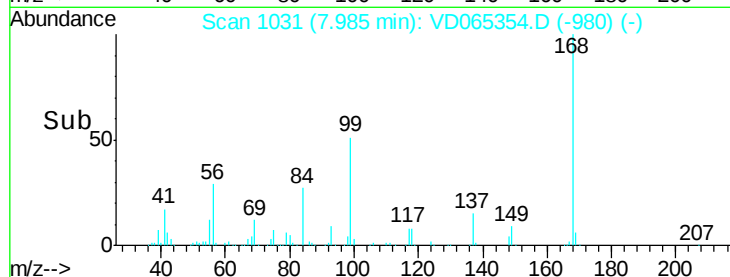
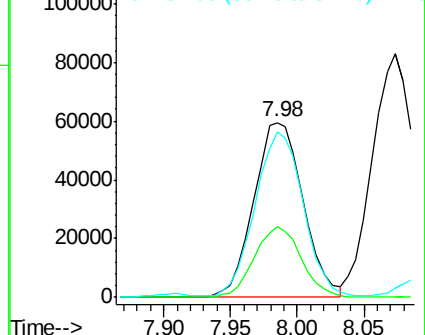
56 100

69 40.7 27.4 41.0

84 93.5 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: 20.83 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

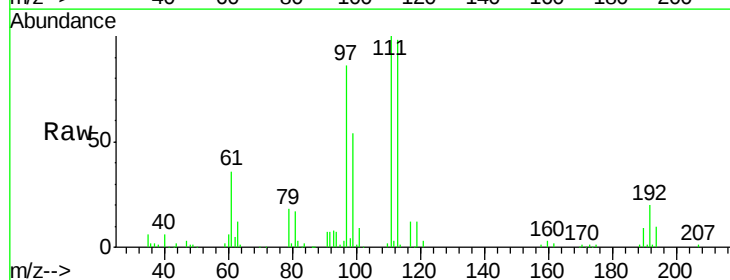
Tgt Ion: 97 Resp: 153219

Ion Ratio Lower Upper

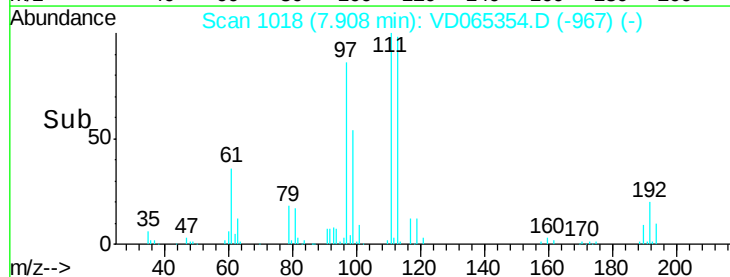
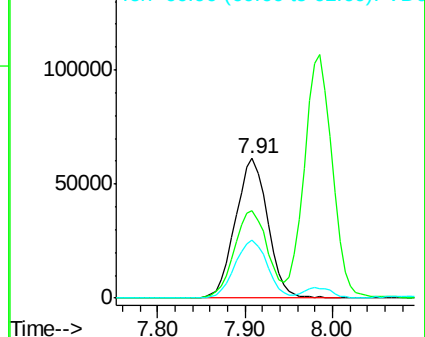
97 100

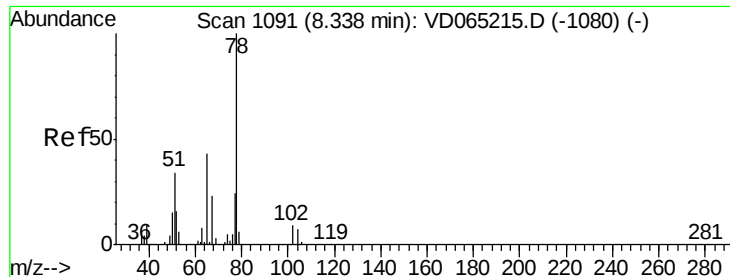
99 64.6 51.4 77.2

61 41.6 34.8 52.2



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

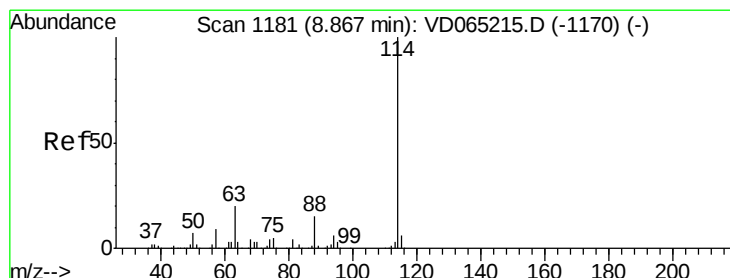
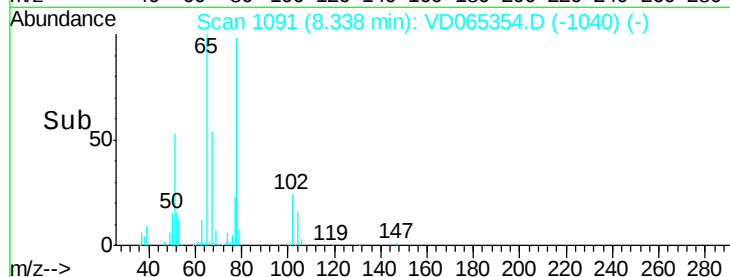
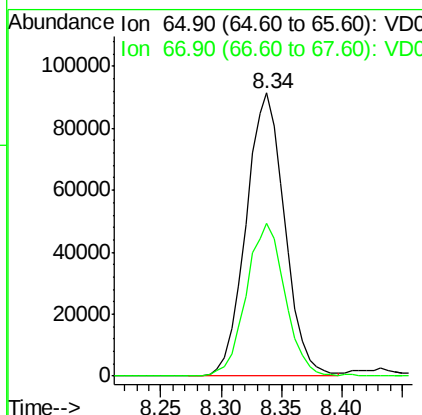
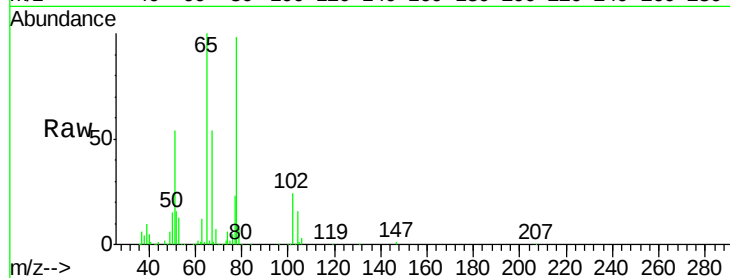




#33
 1,2-Dichloroethane-d4
 Concen: 50.11 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

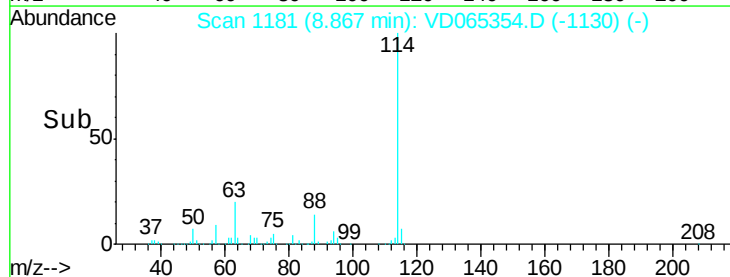
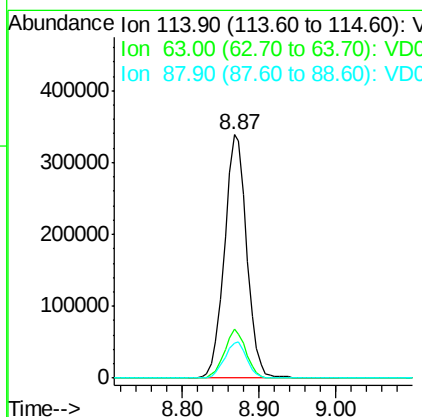
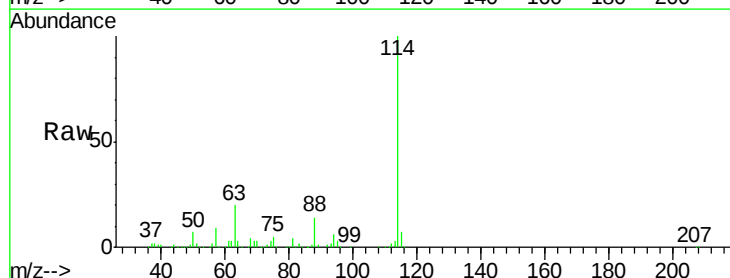
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

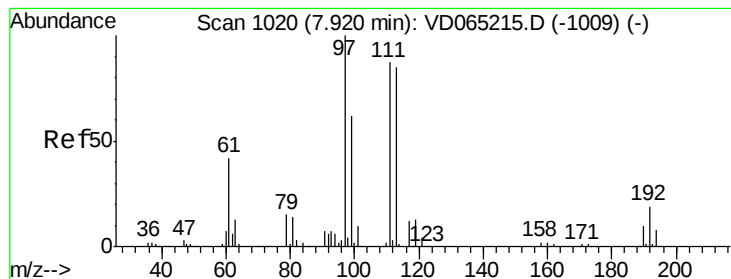
Tgt Ion: 65 Resp: 204307
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion: 114 Resp: 680763
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.32 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

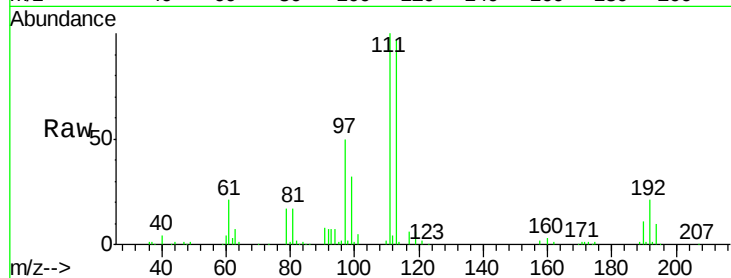
Tgt Ion:113 Resp: 217173

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

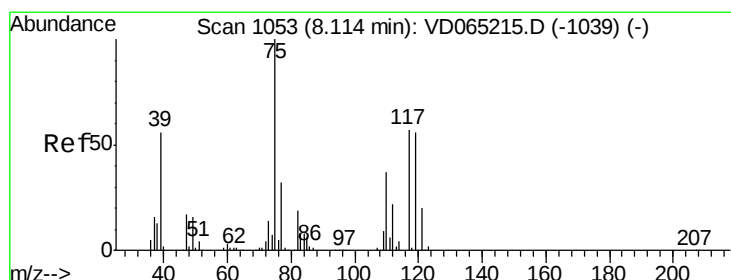
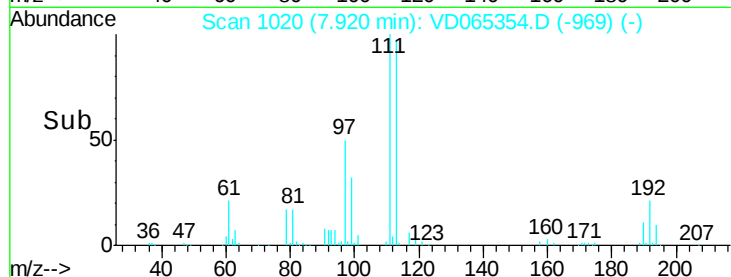
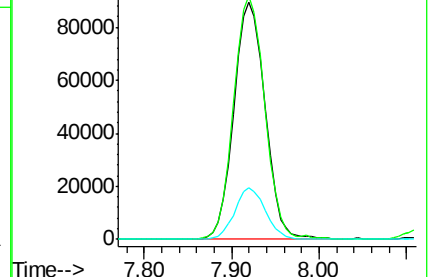
192 21.4 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.97 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

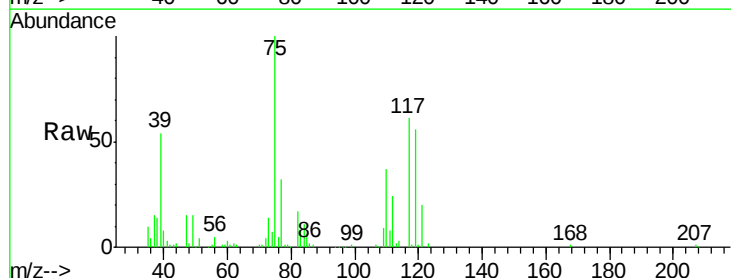
Tgt Ion: 75 Resp: 138888

Ion Ratio Lower Upper

75 100

110 36.0 17.9 53.7

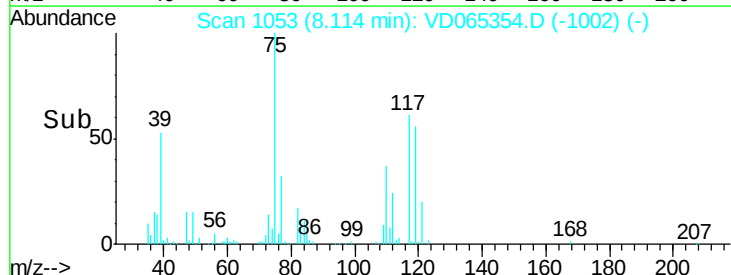
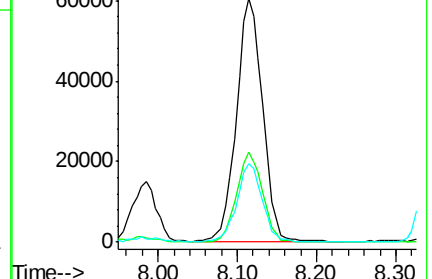
77 31.3 25.1 37.7

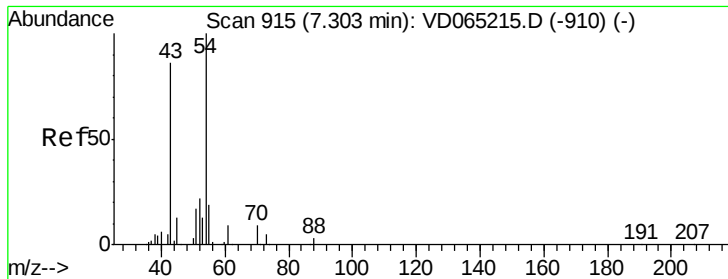


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

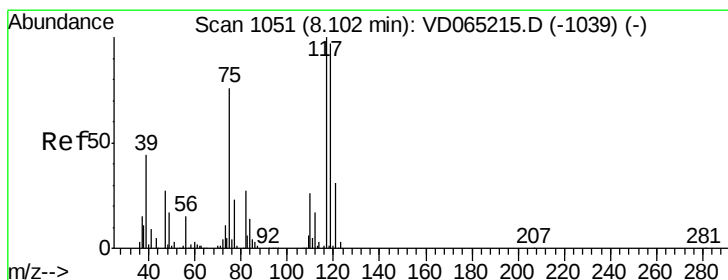
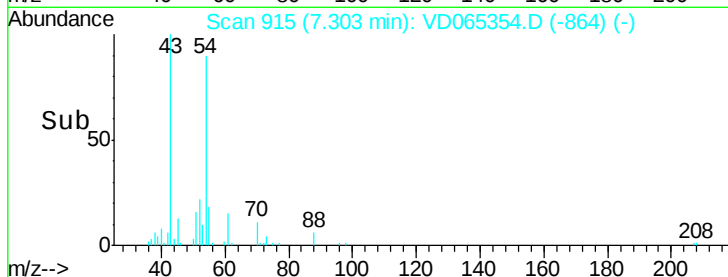
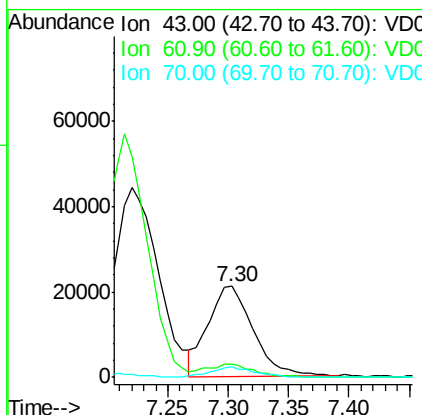
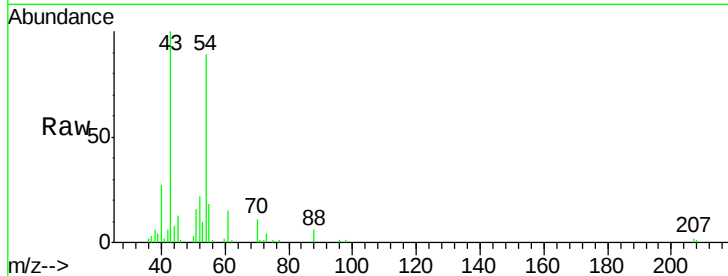




#37
Ethyl Acetate
Concen: 19.42 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

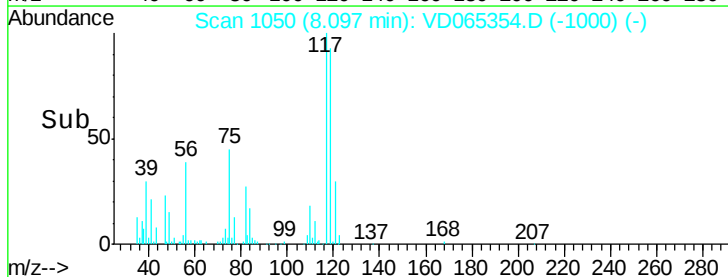
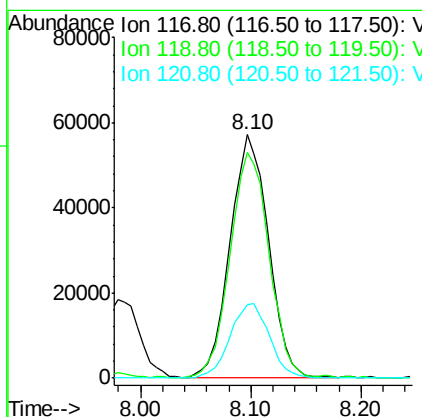
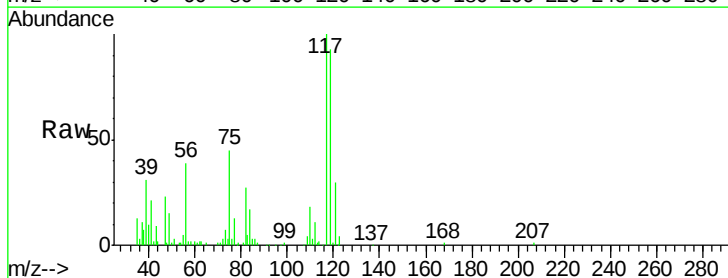
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

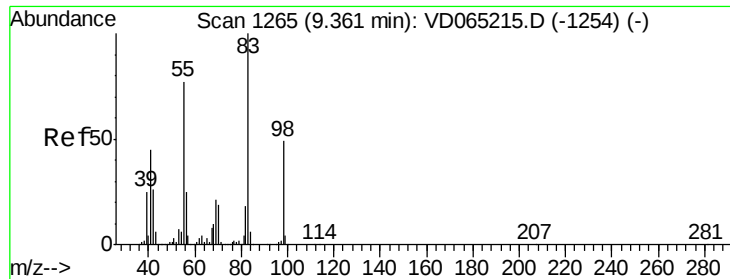
Tgt Ion: 43 Resp: 53782
Ion Ratio Lower Upper
43 100
61 15.3 11.2 16.8
70 11.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.63 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 117 Resp: 139115
Ion Ratio Lower Upper
117 100
119 92.5 77.6 116.4
121 30.0 24.8 37.2

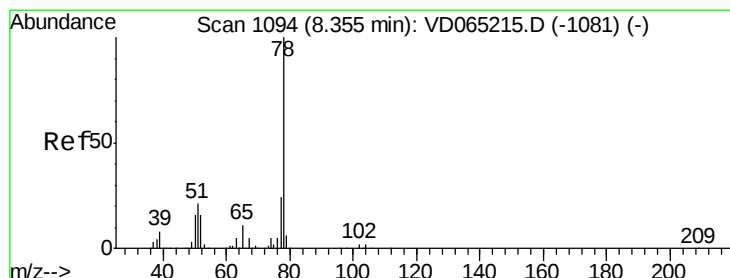
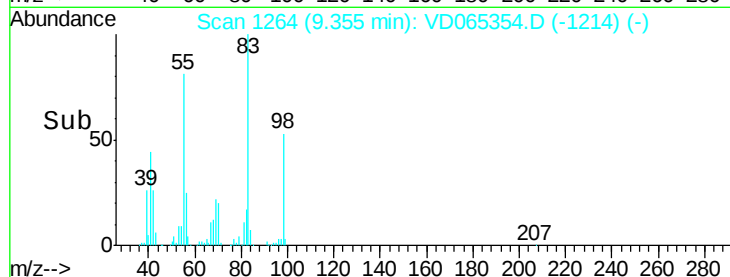
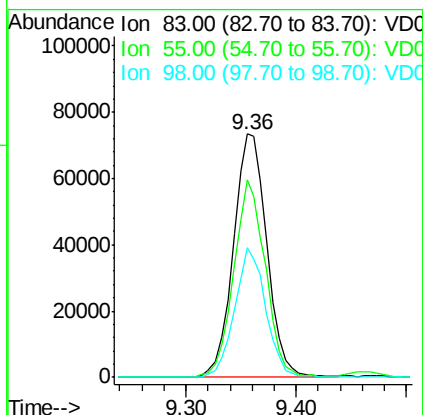
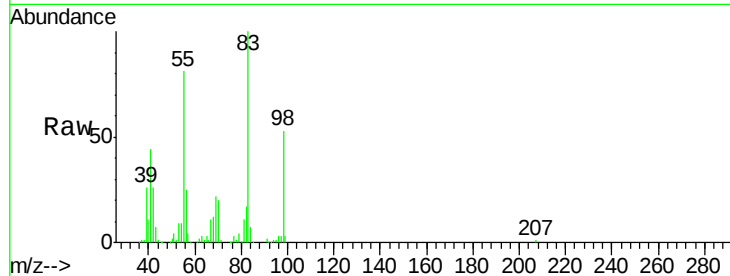




#39
Methylcyclohexane
Concen: 20.01 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

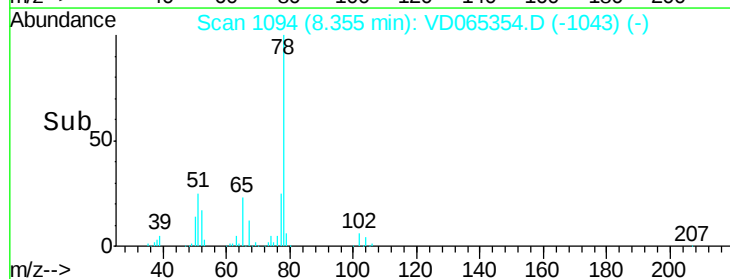
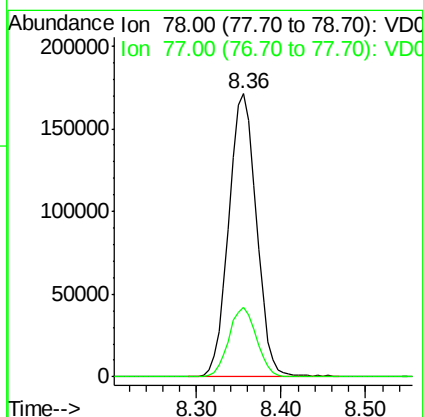
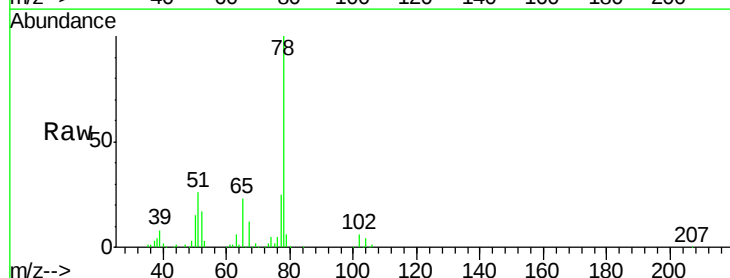
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

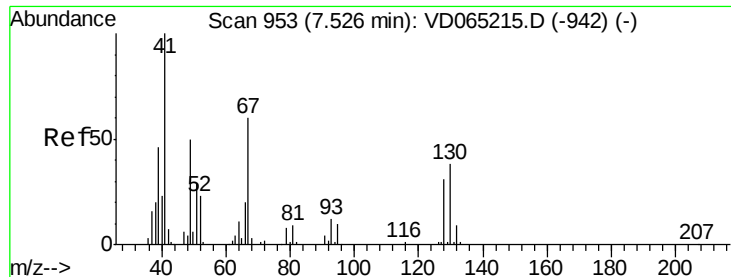
Tgt Ion: 83 Resp: 155850
Ion Ratio Lower Upper
83 100
55 80.9 61.8 92.6
98 53.2 39.4 59.0



#40
Benzene
Concen: 20.73 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 78 Resp: 387486
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6

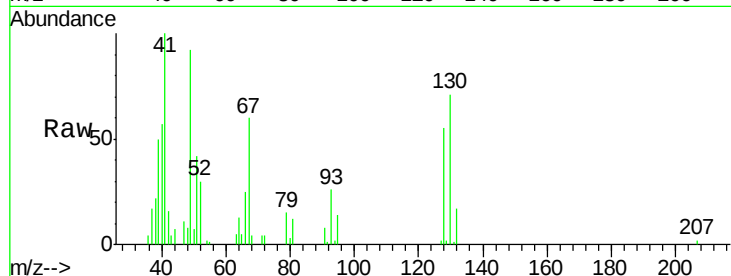




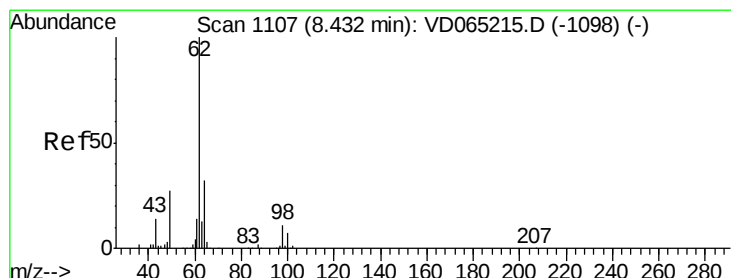
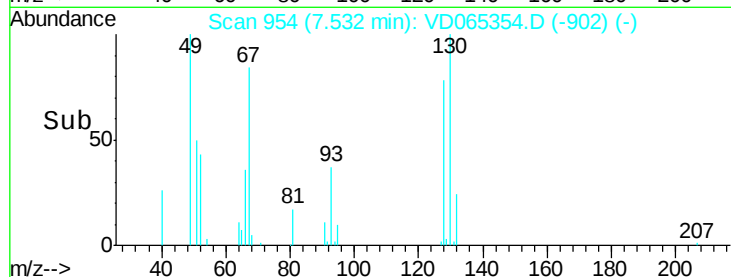
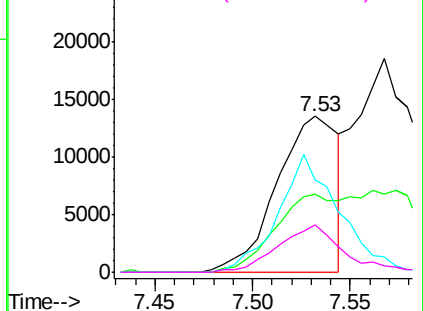
#41
Methacrylonitrile
Concen: 18.33 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion:	41	Resp:	29314
Ion	Ratio	Lower	Upper
41	100		
39	51.3	48.1	72.1
67	75.8	58.9	88.3
52	32.2	24.2	36.2

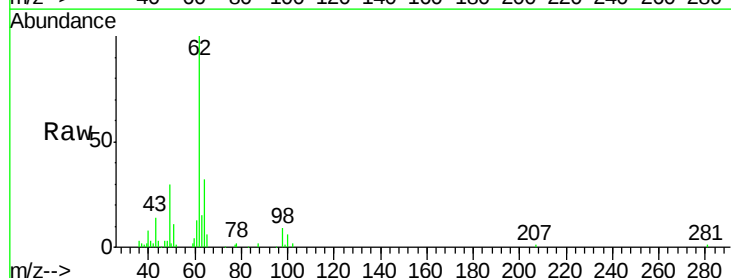


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

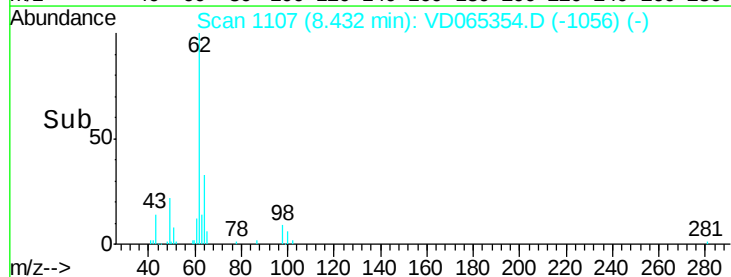
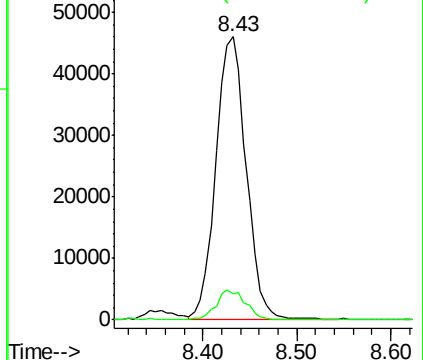


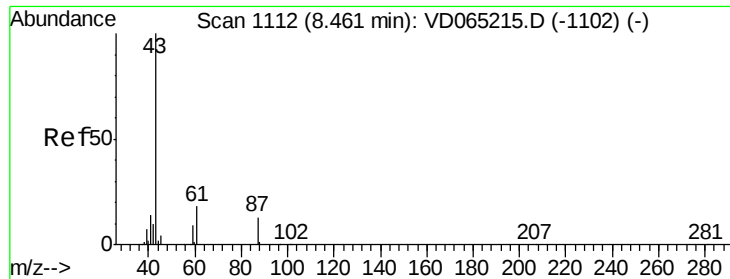
#42
1,2-Dichloroethane
Concen: 20.26 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:	62	Resp:	104151
Ion	Ratio	Lower	Upper
62	100		
98	10.4	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: 19.77 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

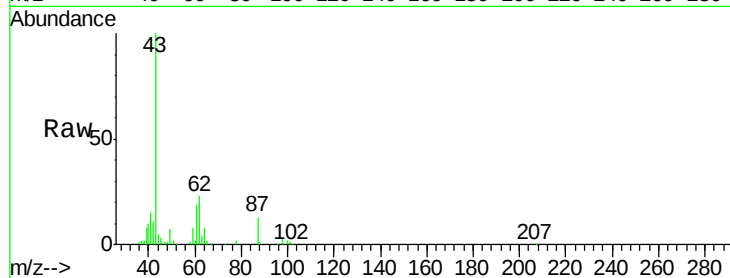
Tgt Ion: 43 Resp: 99540

Ion Ratio Lower Upper

43 100

61 30.9 24.6 36.8

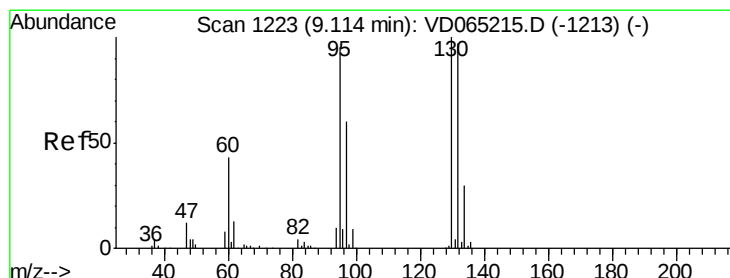
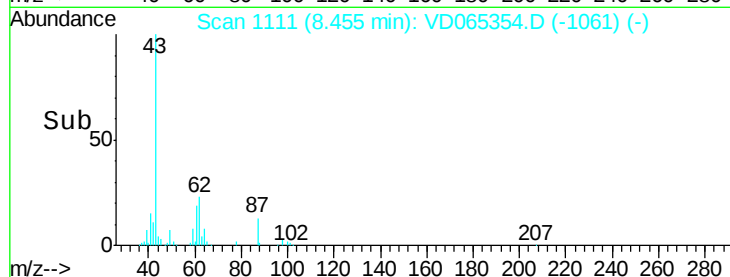
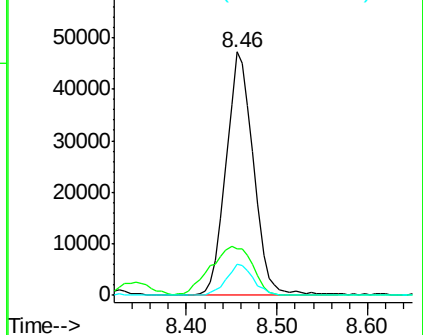
87 12.4 10.6 16.0



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: 20.90 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065354.D

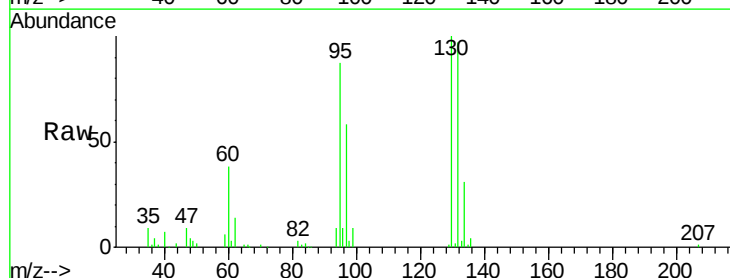
Acq: 28 Feb 2020 12:09

Tgt Ion: 130 Resp: 108333

Ion Ratio Lower Upper

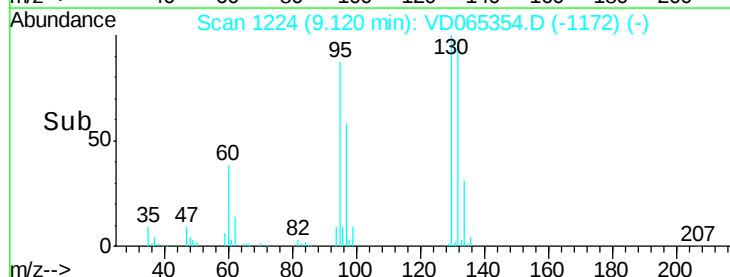
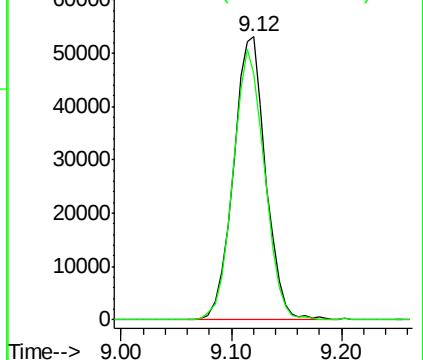
130 100

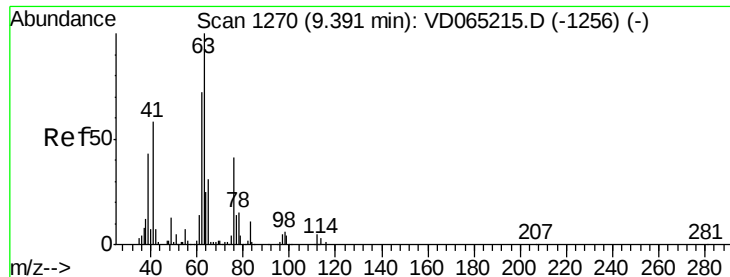
95 86.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.85 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

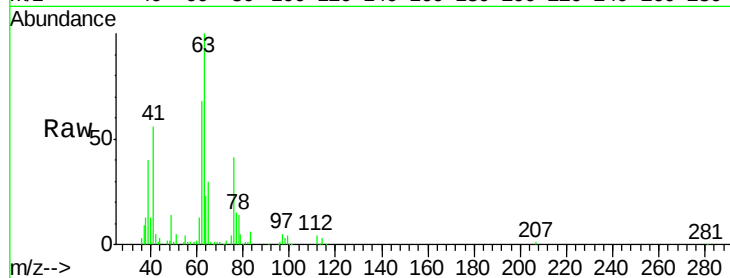
VD0228SBS01

Tgt Ion: 63 Resp: 96937

Ion Ratio Lower Upper

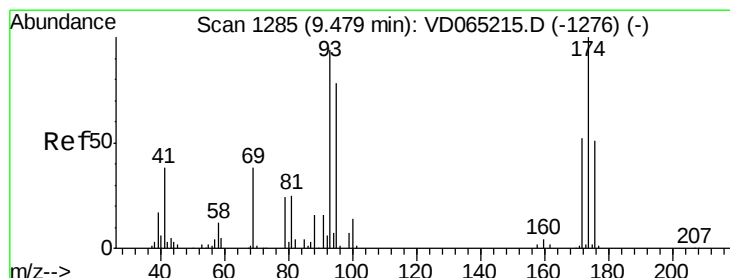
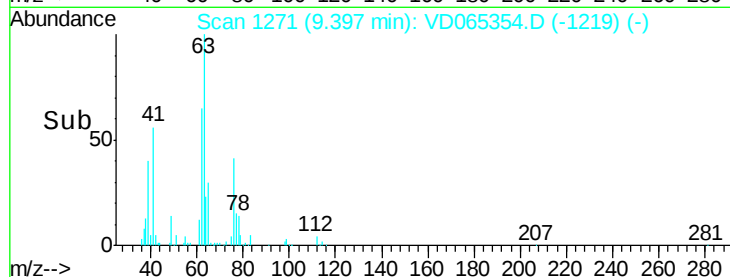
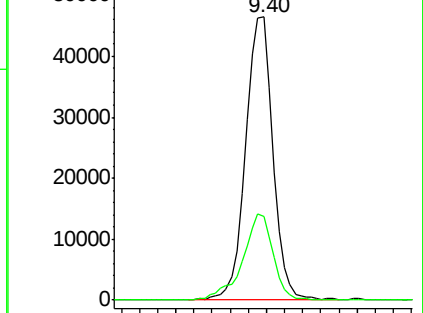
63 100

65 29.7 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.66 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

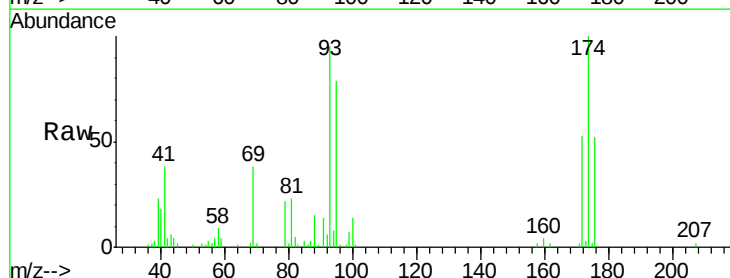
Tgt Ion: 93 Resp: 49412

Ion Ratio Lower Upper

93 100

95 81.6 65.8 98.6

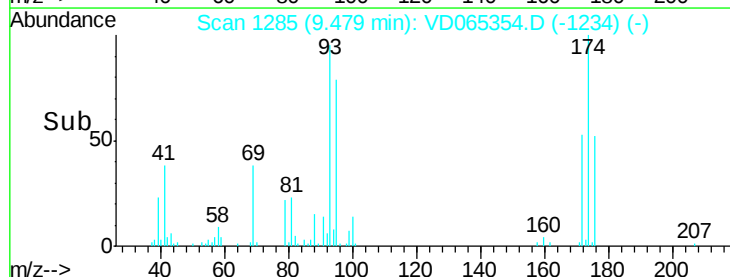
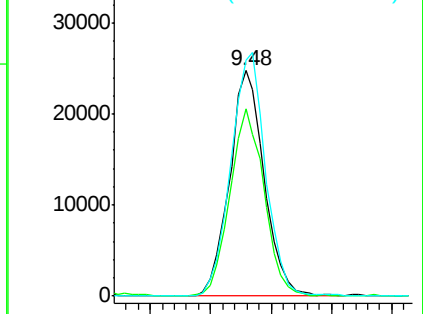
174 108.2 86.8 130.2

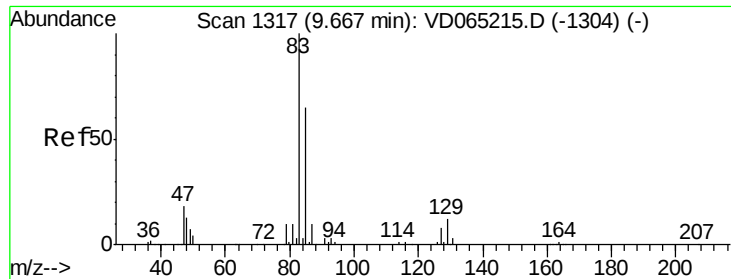


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

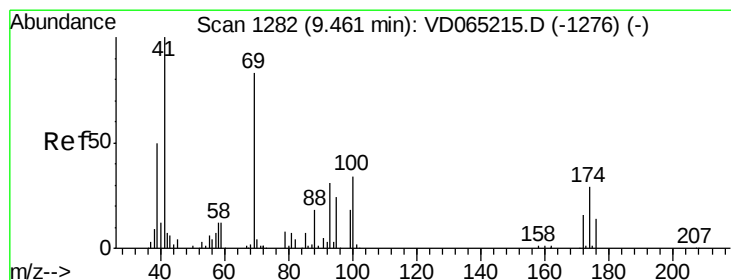
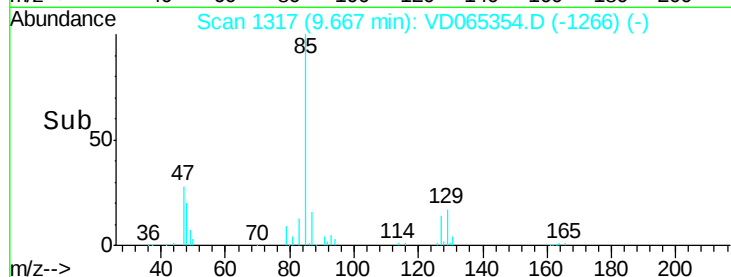
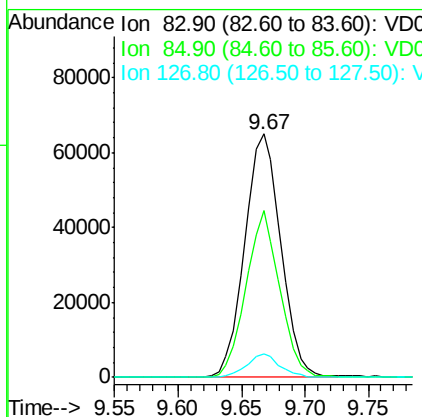
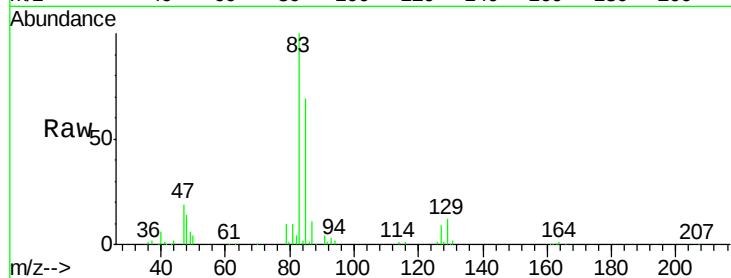




#47
 Bromodichloromethane
 Concen: 20.48 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

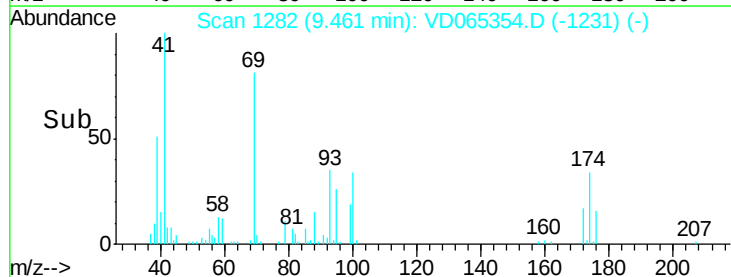
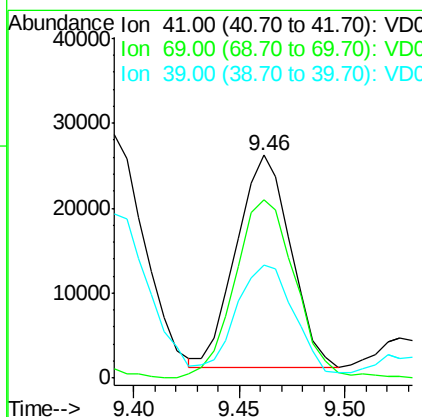
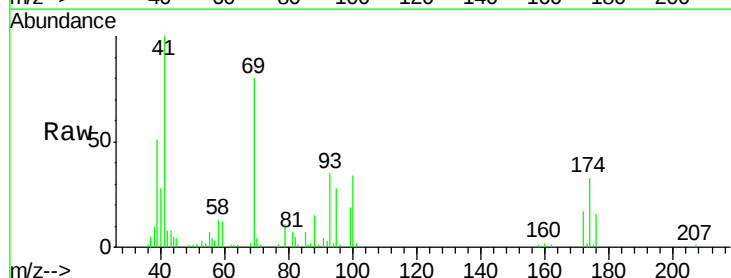
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

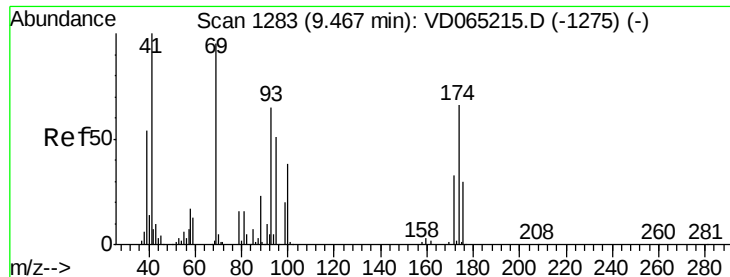
Tgt Ion: 83 Resp: 129110
 Ion Ratio Lower Upper
 83 100
 85 68.7 52.0 78.0
 127 9.4 6.7 10.1



#48
 Methyl methacrylate
 Concen: 19.13 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion: 41 Resp: 44516
 Ion Ratio Lower Upper
 41 100
 69 93.7 68.2 102.2
 39 52.9 42.0 63.0

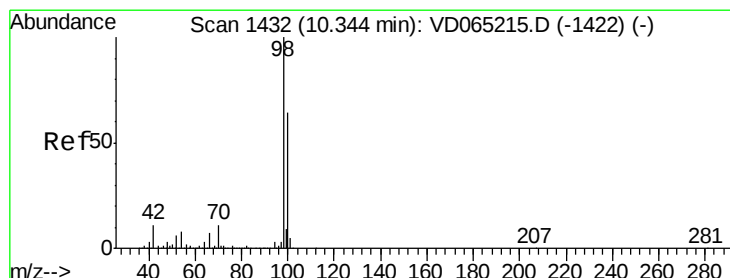
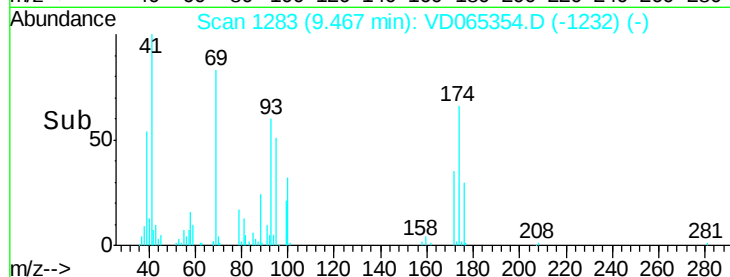
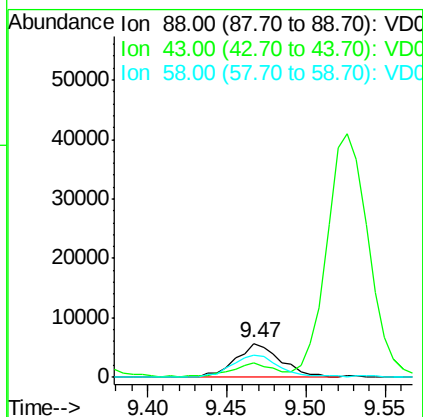
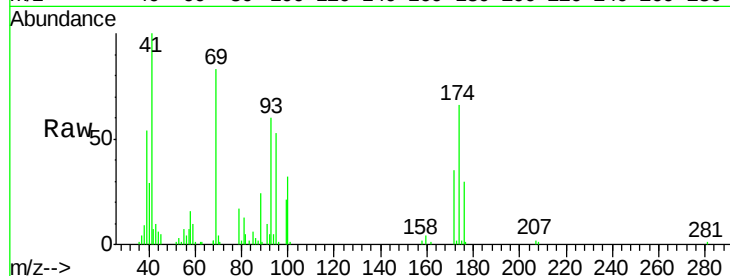




#49
1,4-Dioxane
Concen: 388.99 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

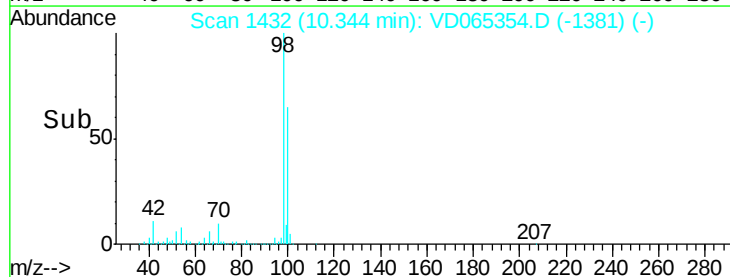
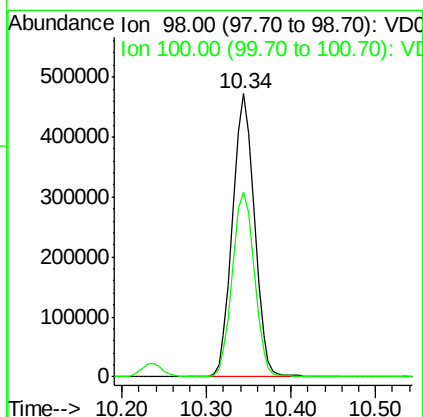
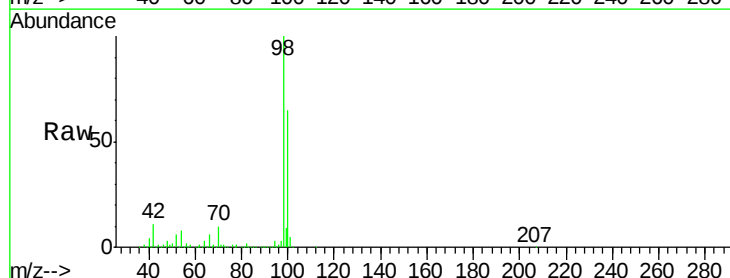
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

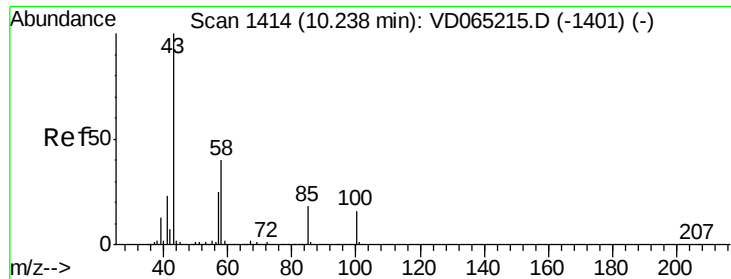
Tgt Ion: 88 Resp: 10913
Ion Ratio Lower Upper
88 100
43 42.4 28.5 42.7
58 72.4 58.6 87.8



#50
Toluene-d8
Concen: 53.09 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 98 Resp: 842427
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0

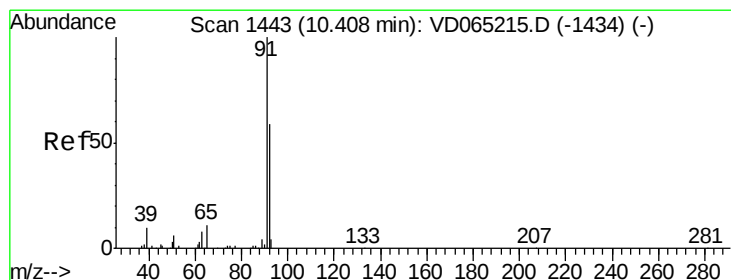
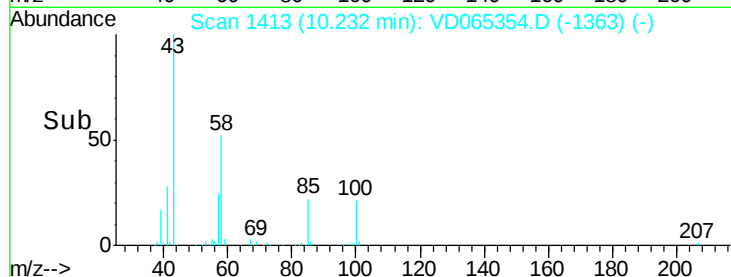
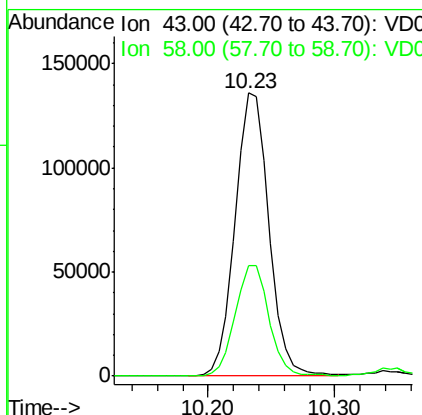
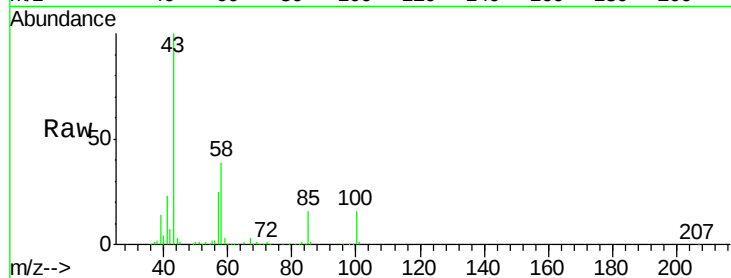




#51
 4-Methyl-2-Pentanone
 Concen: 98.36 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

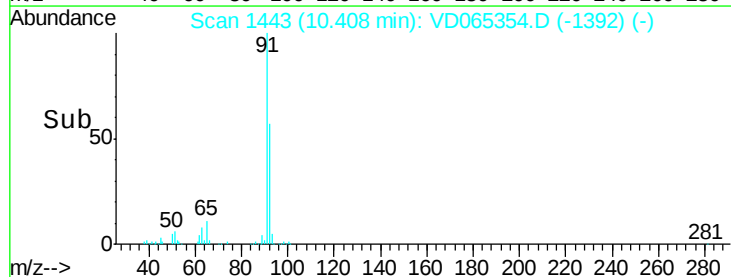
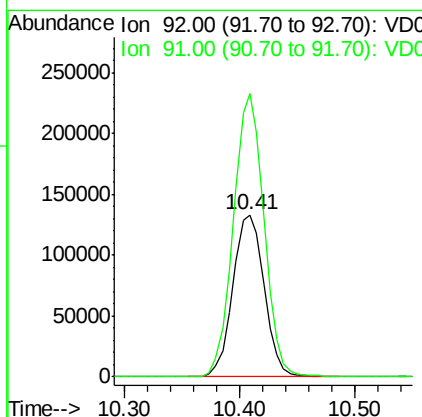
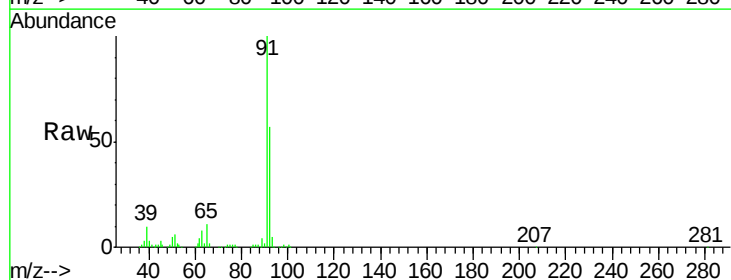
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

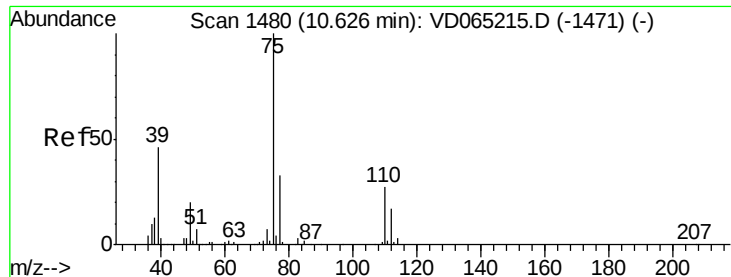
Tgt Ion: 43 Resp: 251561
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.1 46.7



#52
 Toluene
 Concen: 21.65 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion: 92 Resp: 250576
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 20.37 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

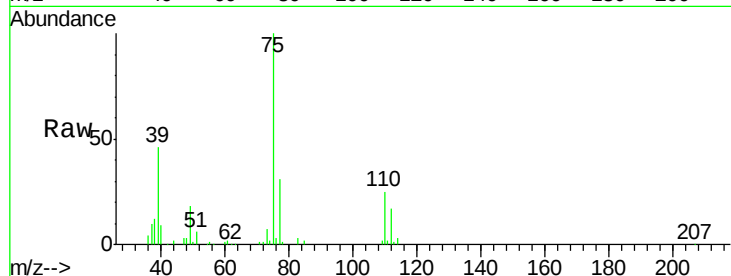
VD0228SBSD01

Tgt Ion: 75 Resp: 119029

Ion Ratio Lower Upper

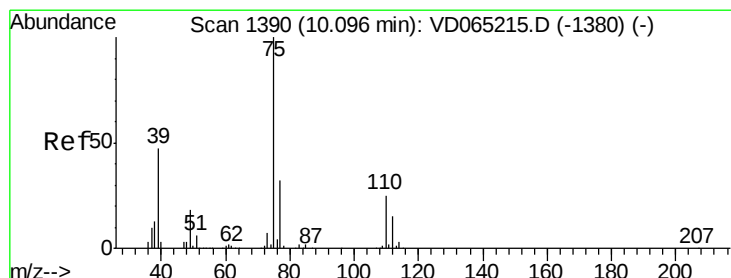
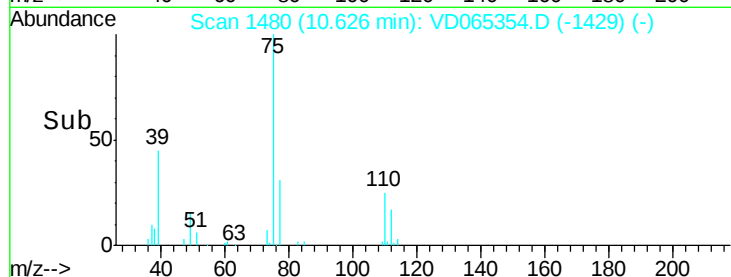
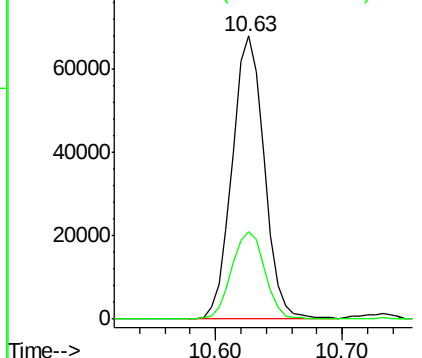
75 100

77 30.9 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.70 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

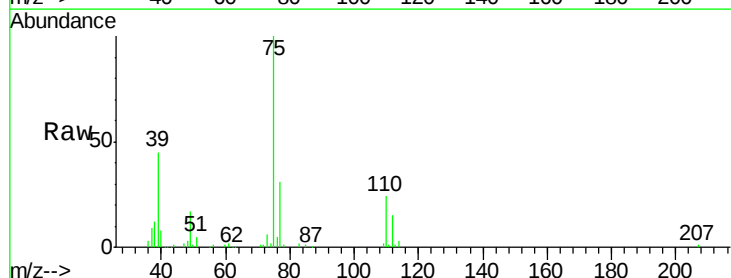
Tgt Ion: 75 Resp: 146037

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8

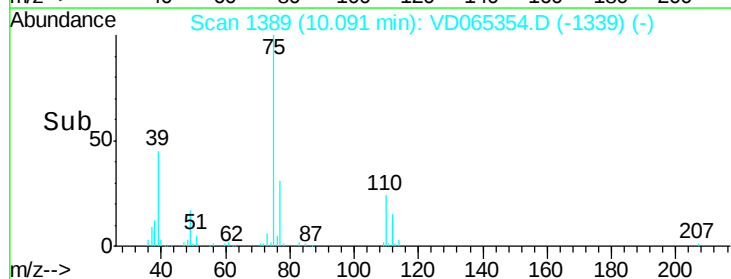
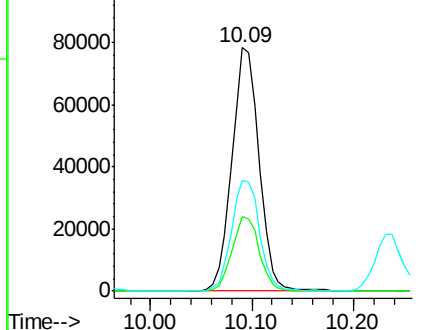
39 45.2 37.3 55.9

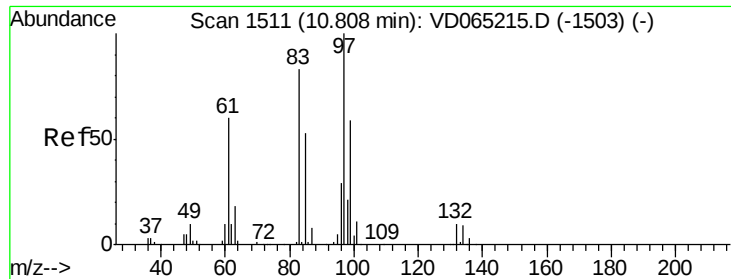


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 21.27 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tgt Ion: 97 Resp: 71602

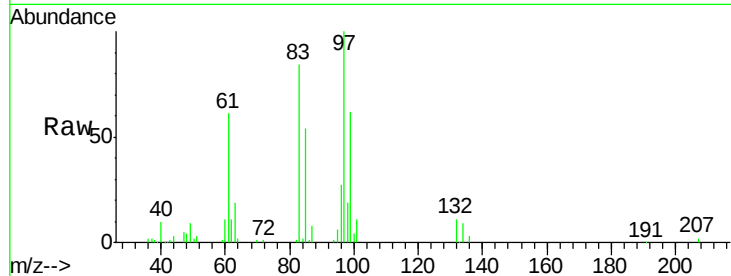
Ion Ratio Lower Upper

97 100

83 83.5 66.7 100.1

85 54.2 42.4 63.6

99 61.8 47.5 71.3

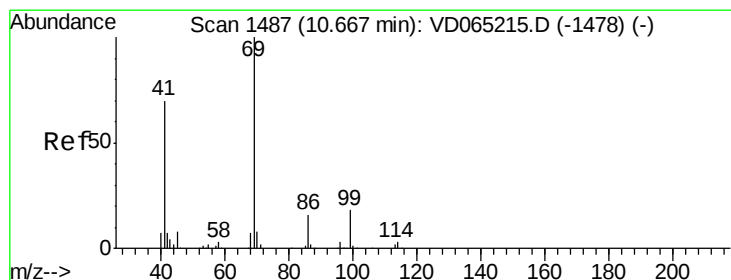
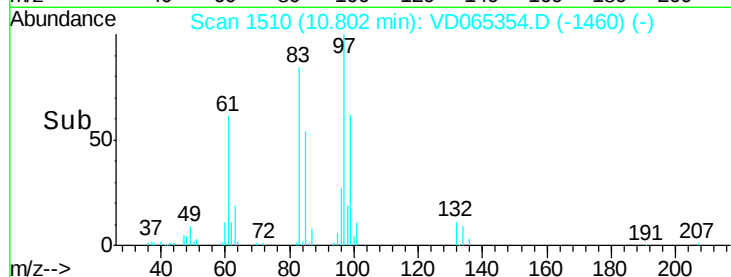
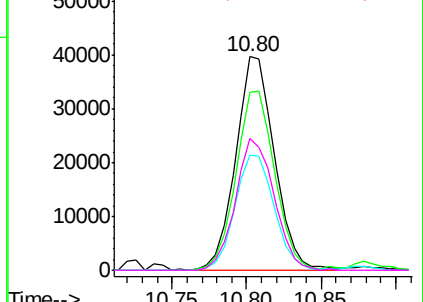


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.12 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

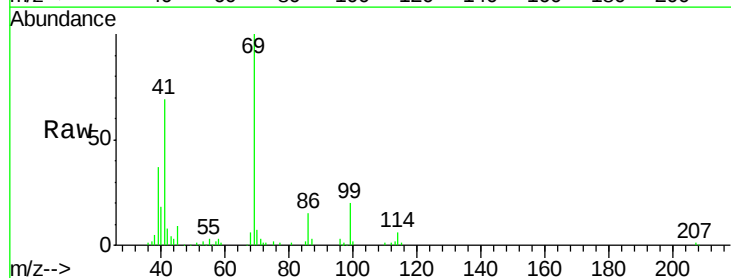
Tgt Ion: 69 Resp: 78171

Ion Ratio Lower Upper

69 100

41 68.8 54.6 81.8

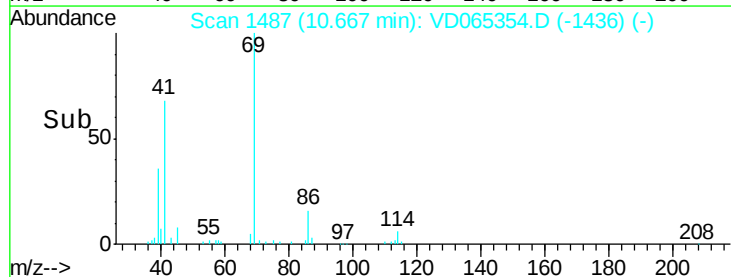
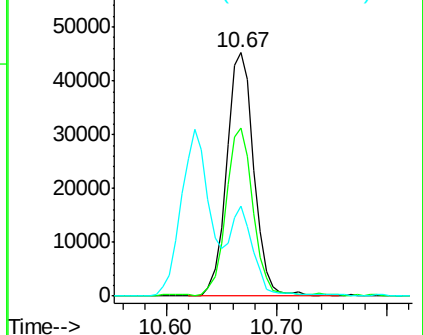
39 31.0 26.5 39.7

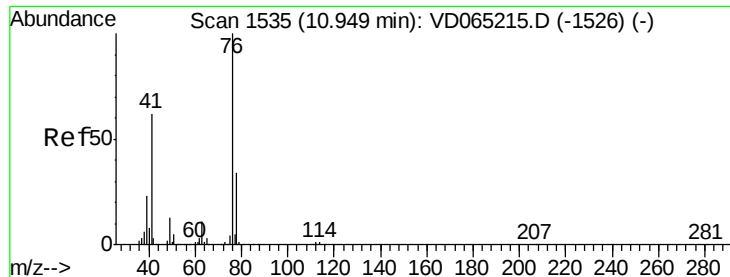


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

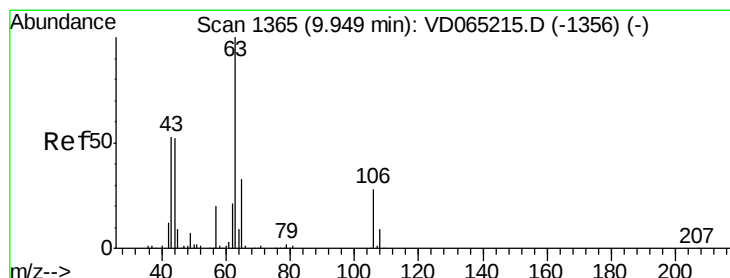
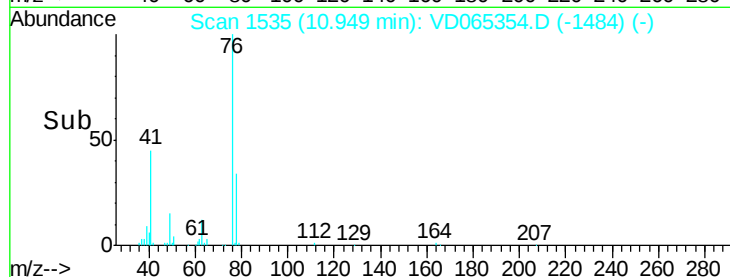
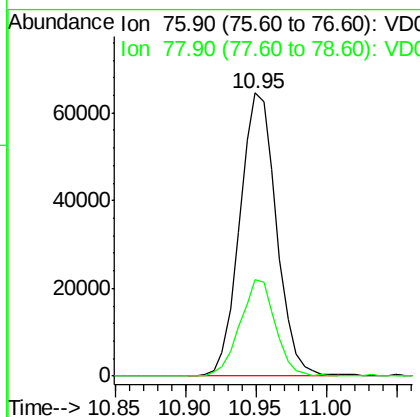
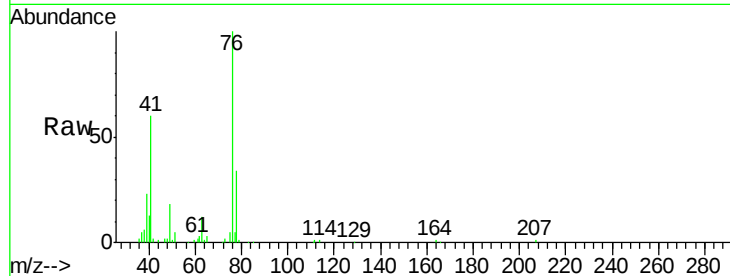




#57
 1,3-Dichloropropane
 Concen: 20.47 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

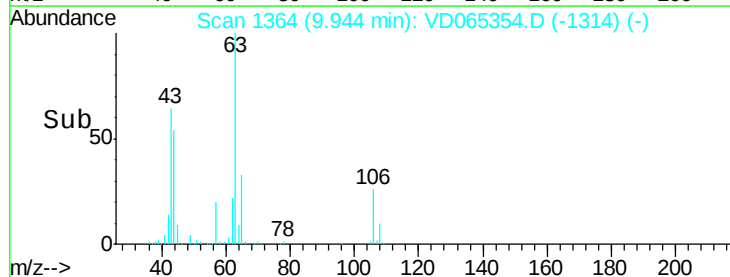
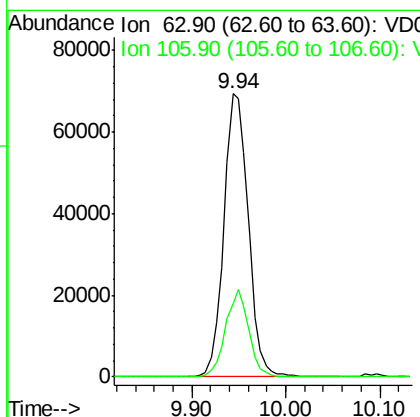
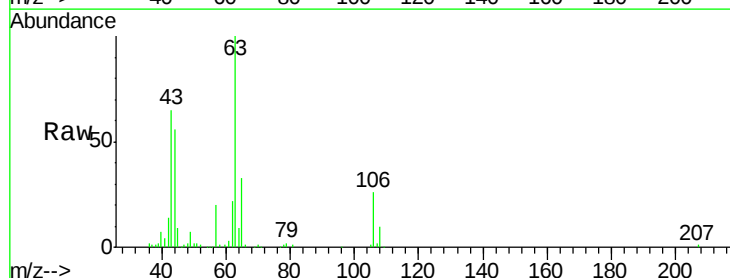
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

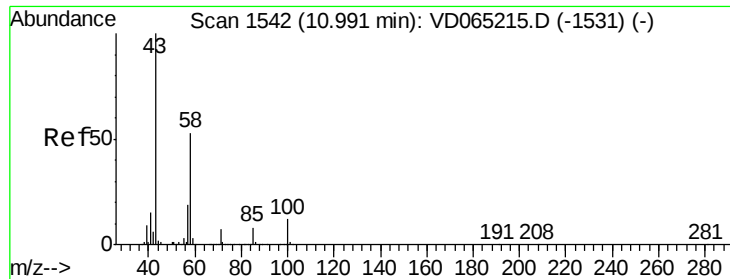
Tgt Ion: 76 Resp: 117299
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.07 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion: 63 Resp: 125048
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.8 34.2

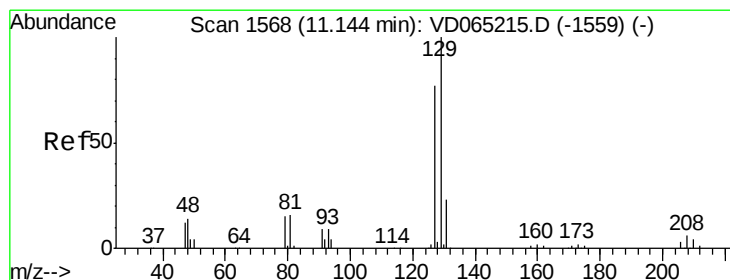
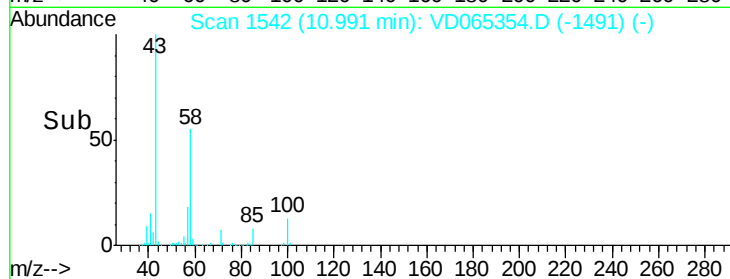
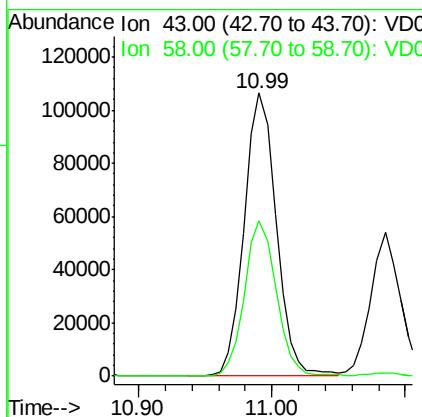
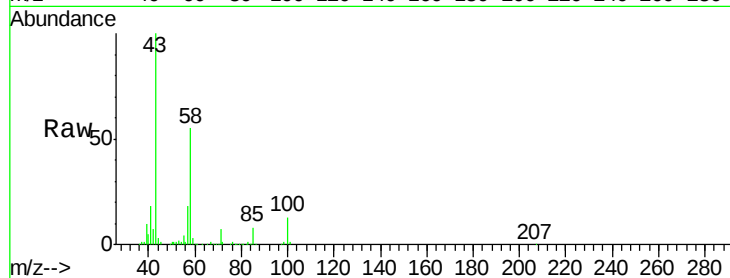




#59
2-Hexanone
Concen: 96.45 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

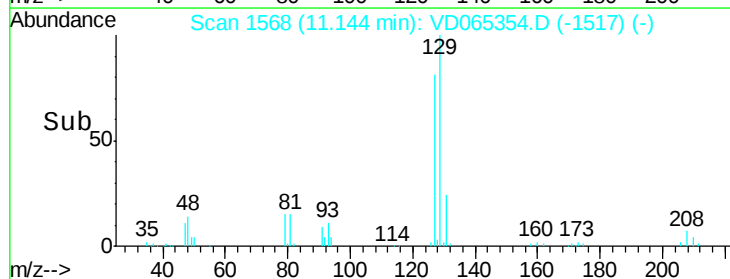
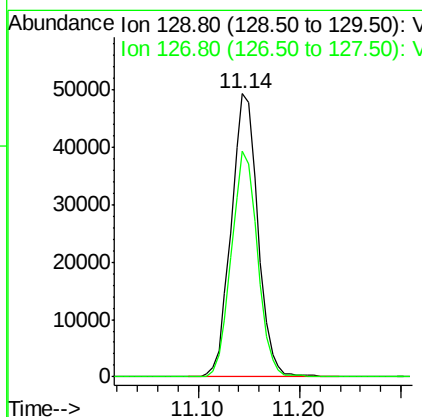
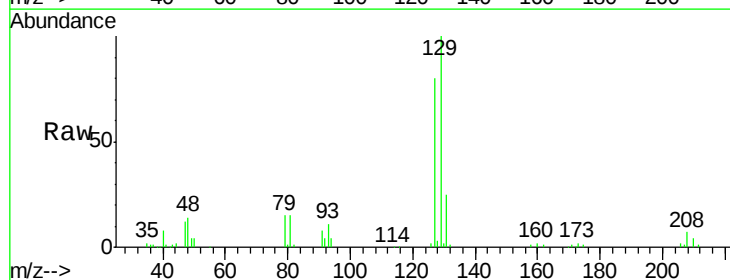
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

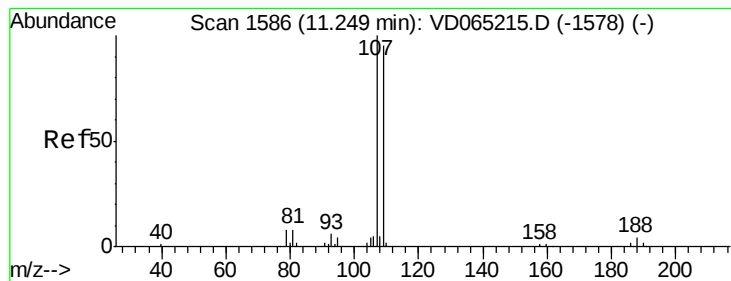
Tgt Ion: 43 Resp: 176590
Ion Ratio Lower Upper
43 100
58 54.8 26.3 78.8



#60
Dibromochloromethane
Concen: 20.94 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 129 Resp: 90218
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.67 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

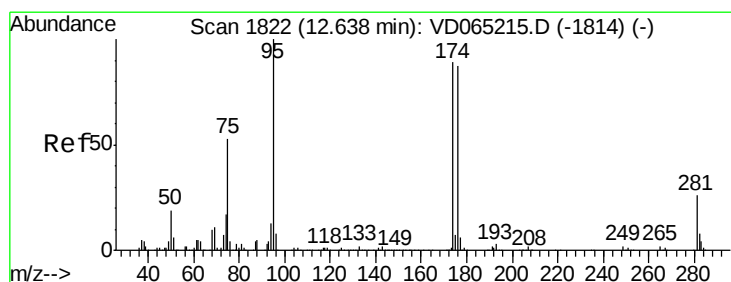
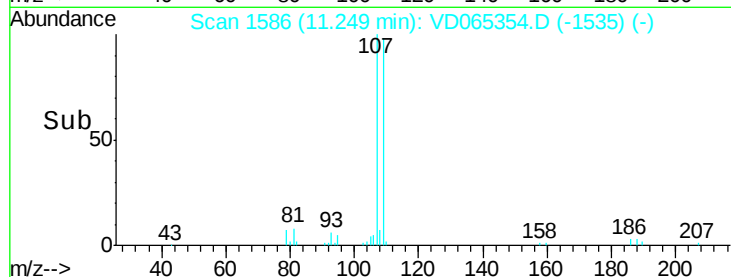
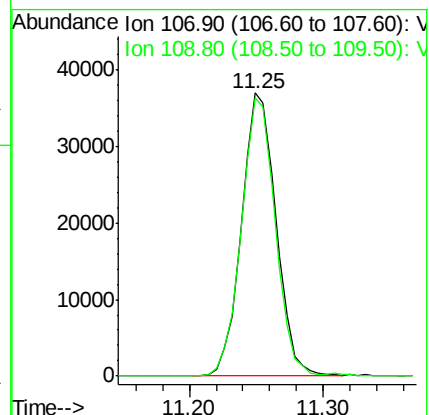
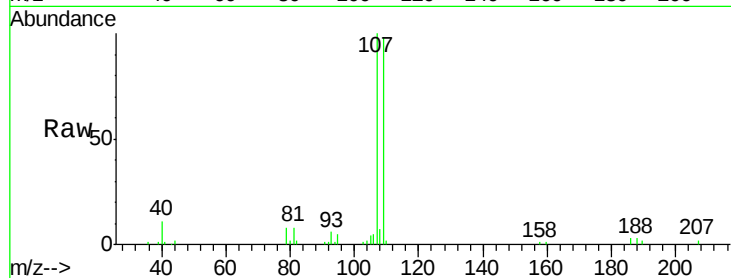
VD0228SBSD01

Tgt Ion: 107 Resp: 65900

Ion Ratio Lower Upper

107 100

109 96.5 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 53.50 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

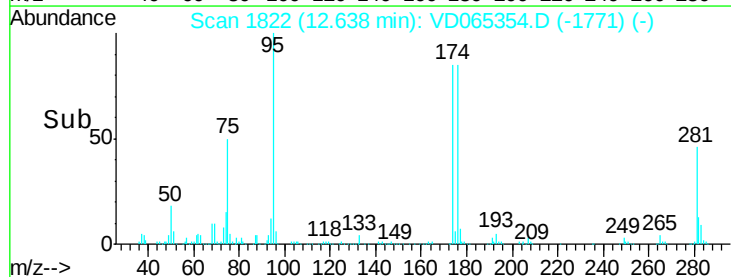
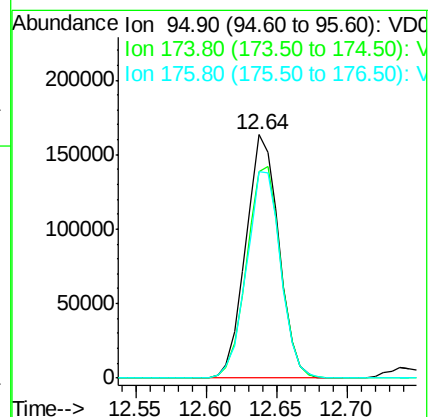
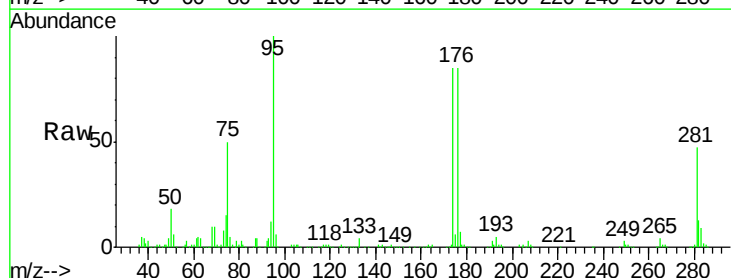
Tgt Ion: 95 Resp: 268961

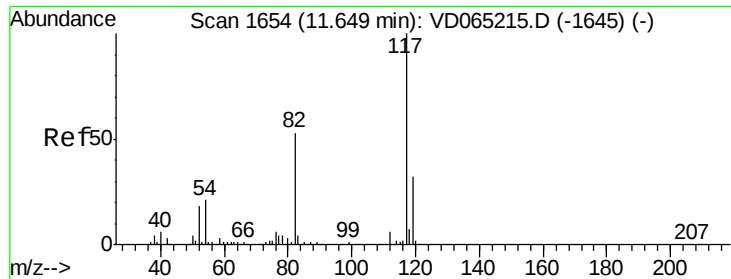
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.0

176 87.3 0.0 174.4

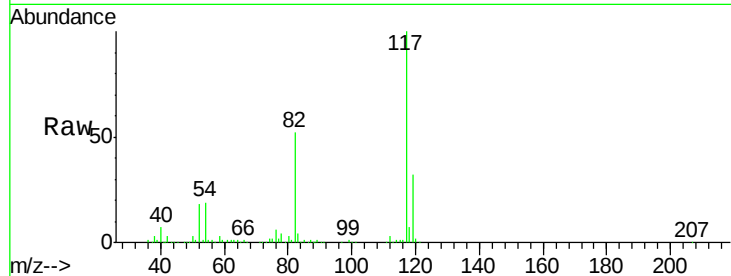




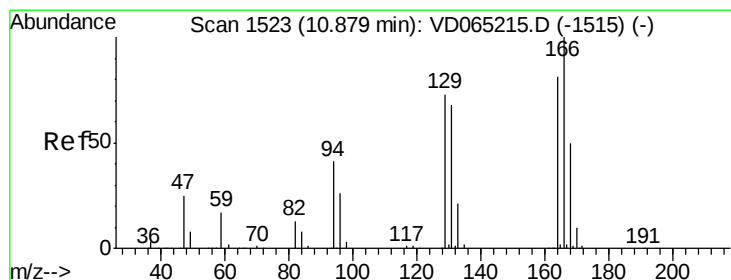
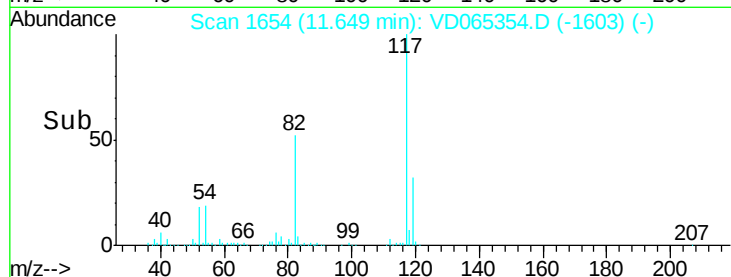
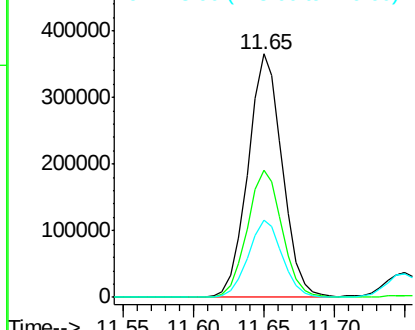
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion:117 Resp: 620983
Ion Ratio Lower Upper
117 100
82 52.2 42.7 64.1
119 31.8 25.5 38.3

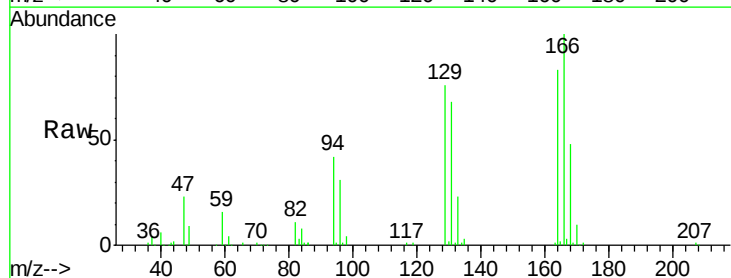


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

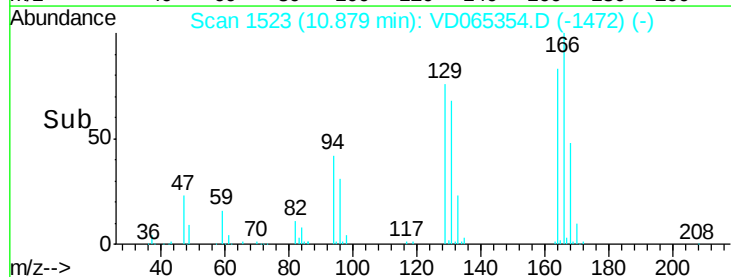
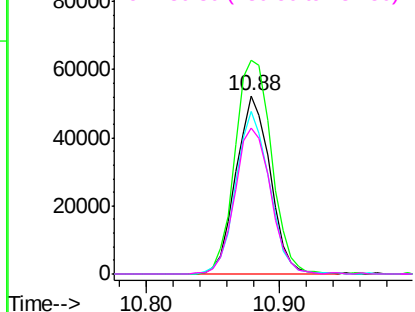


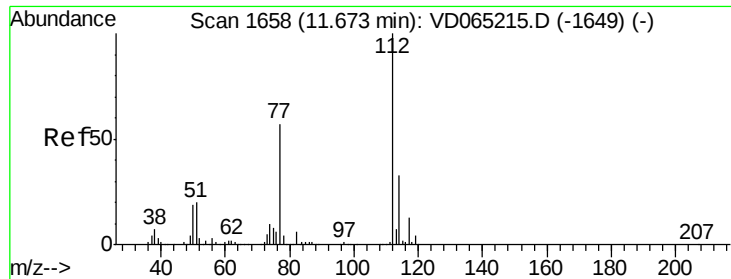
#64
Tetrachloroethene
Concen: 21.11 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:164 Resp: 92994
Ion Ratio Lower Upper
164 100
166 119.9 98.4 147.6
129 91.5 71.6 107.4
131 81.9 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

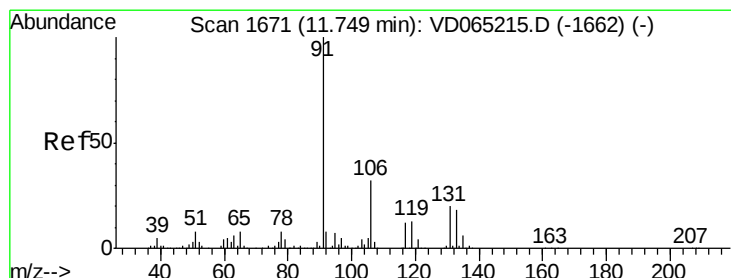
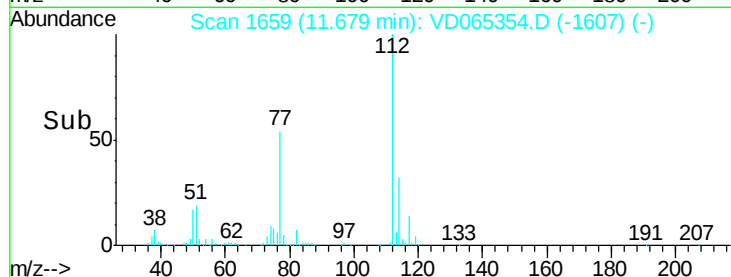
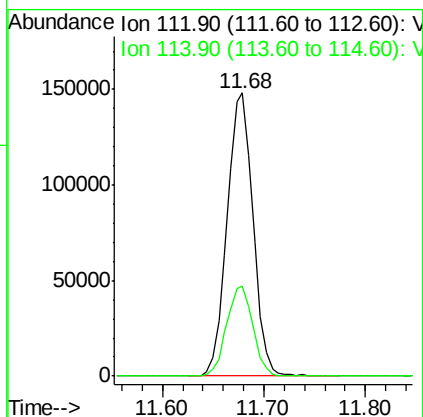
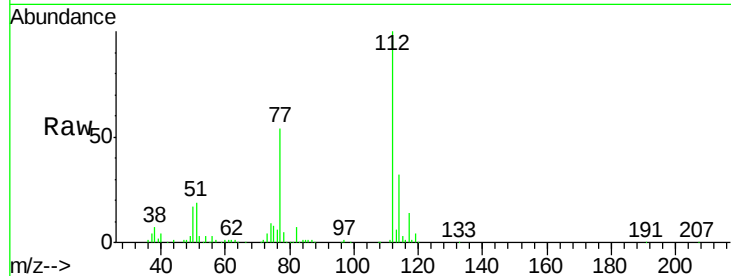




#65
Chlorobenzene
Concen: 21.03 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

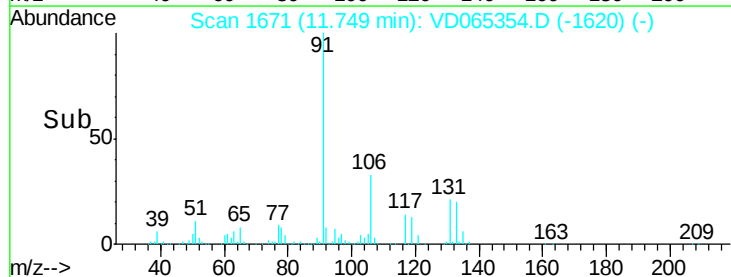
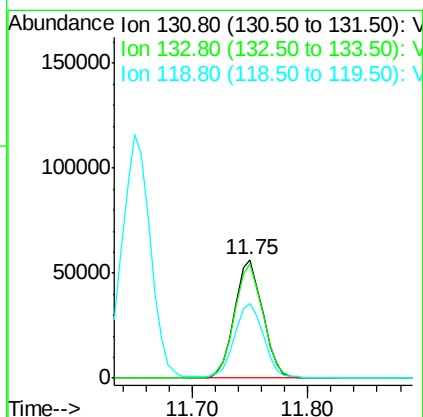
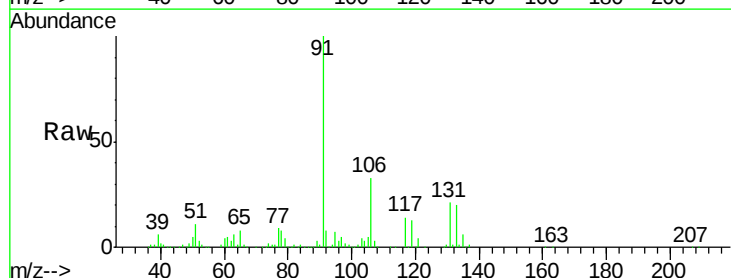
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

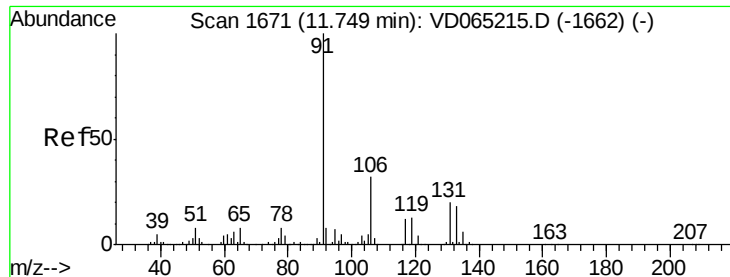
Tgt Ion:112 Resp: 262015
Ion Ratio Lower Upper
112 100
114 31.8 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.66 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:131 Resp: 96070
Ion Ratio Lower Upper
131 100
133 97.5 47.7 143.1
119 65.4 32.7 98.1

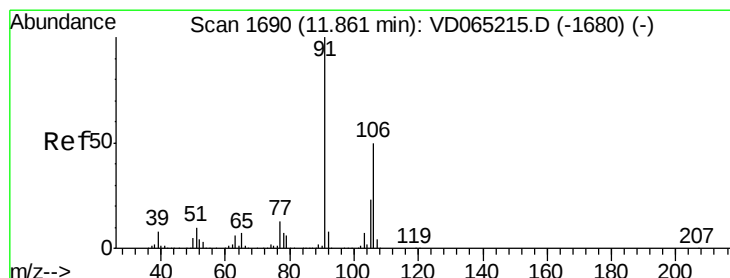
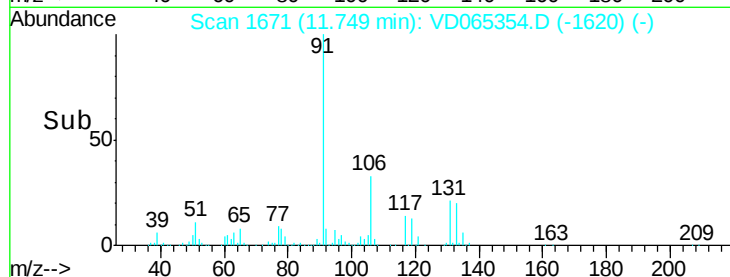
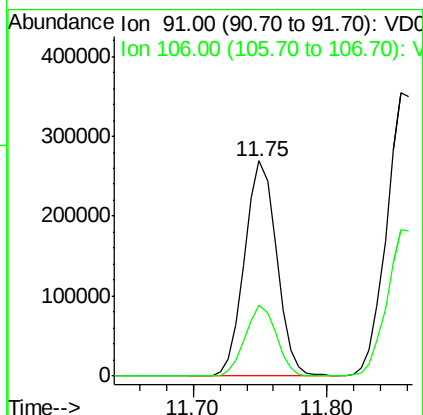
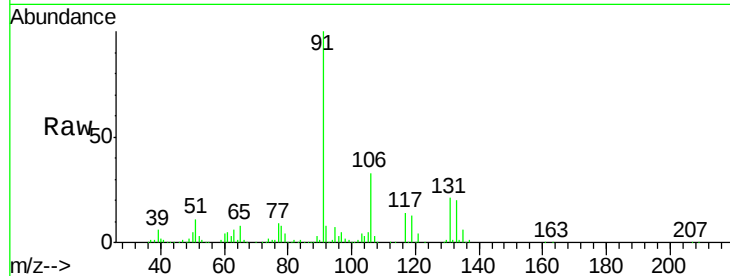




#67
Ethyl Benzene
Concen: 20.51 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

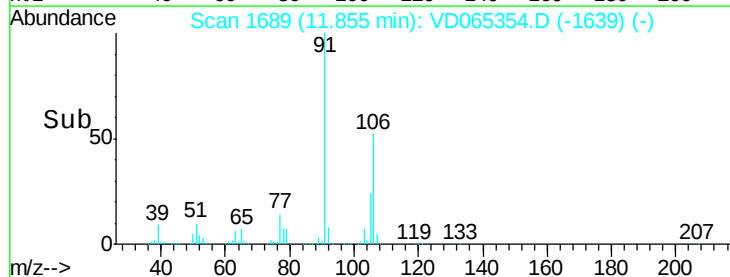
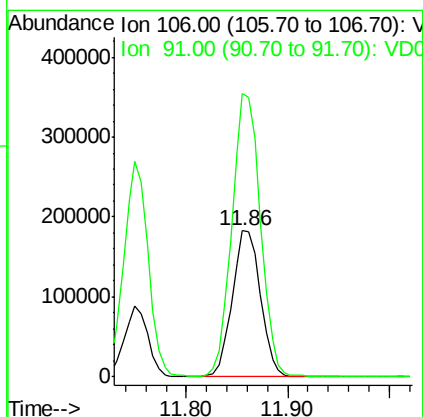
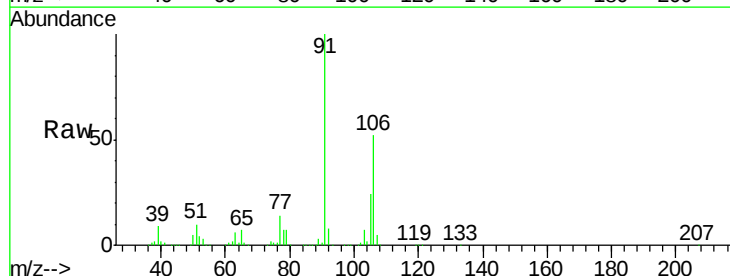
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

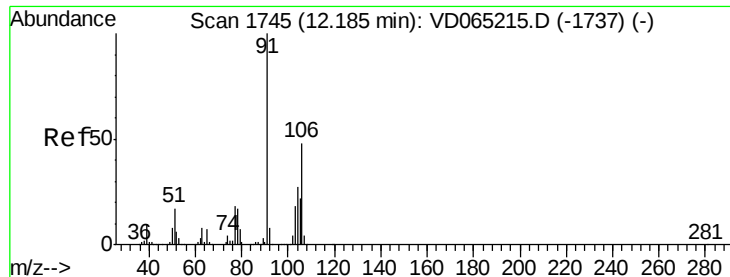
Tgt Ion: 91 Resp: 447605
Ion Ratio Lower Upper
91 100
106 32.7 25.2 37.8



#68
m/p-Xylenes
Concen: 42.51 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 106 Resp: 354957
Ion Ratio Lower Upper
106 100
91 195.2 158.2 237.4

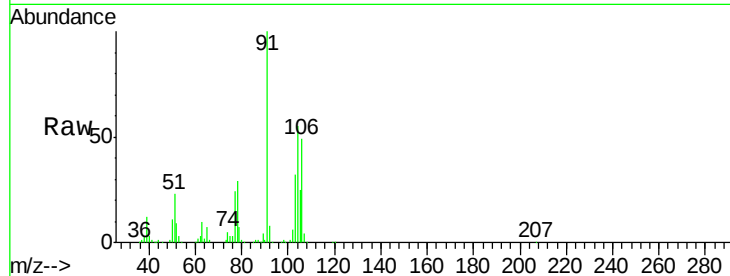




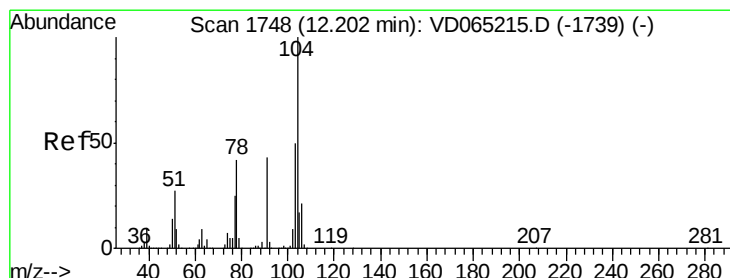
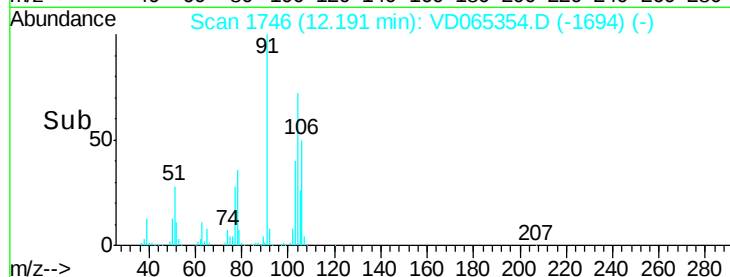
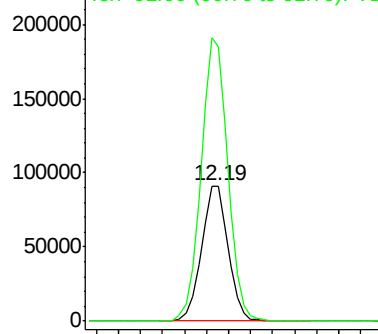
#69
o-Xylene
Concen: 20.82 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion:106 Resp: 154002
Ion Ratio Lower Upper
106 100
91 209.7 104.7 313.9

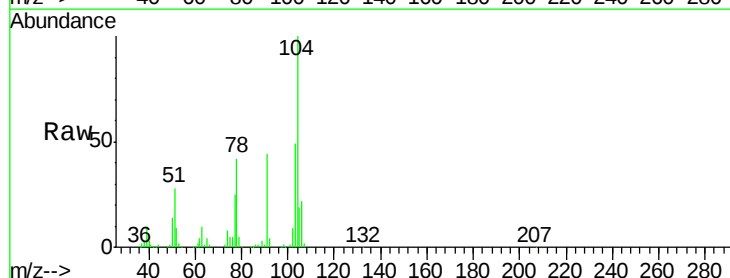


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

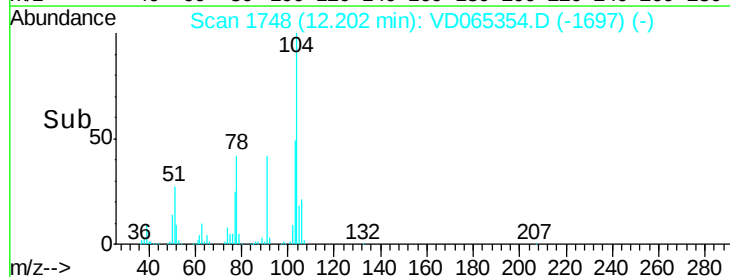
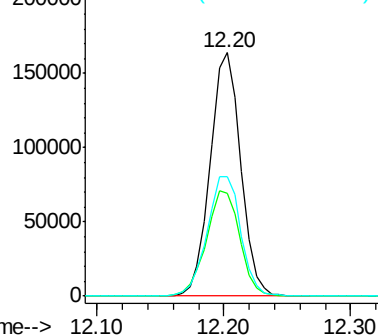


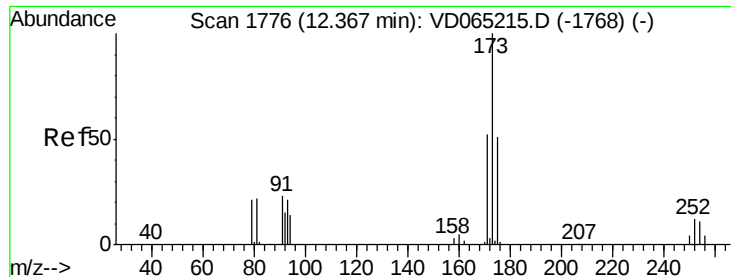
#70
Styrene
Concen: 20.89 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:104 Resp: 274373
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.4 43.4 65.2



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

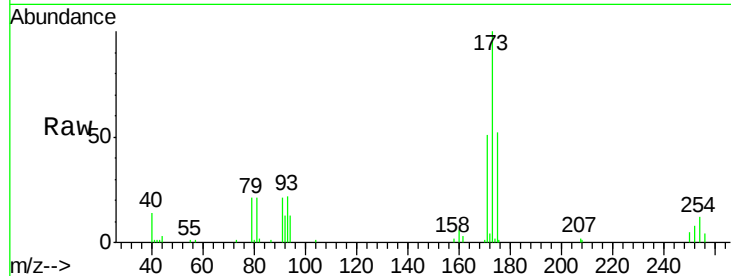




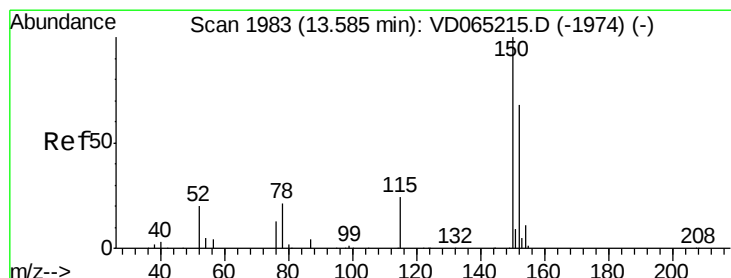
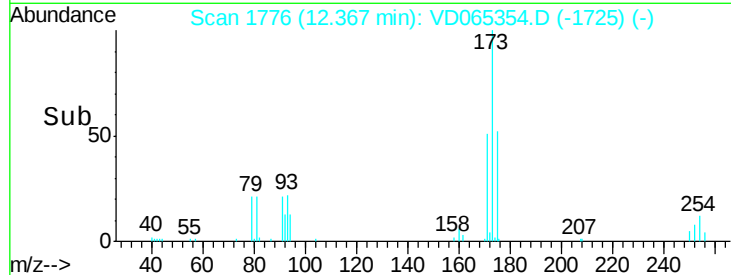
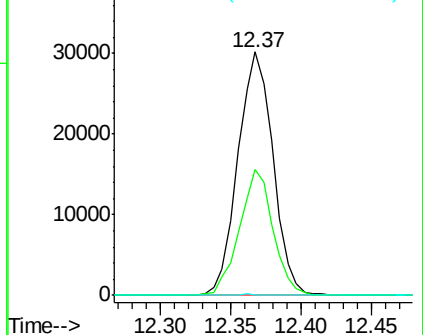
#71
Bromoform
Concen: 20.37 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion:173 Resp: 52577
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 0.1 0.0 0.0#

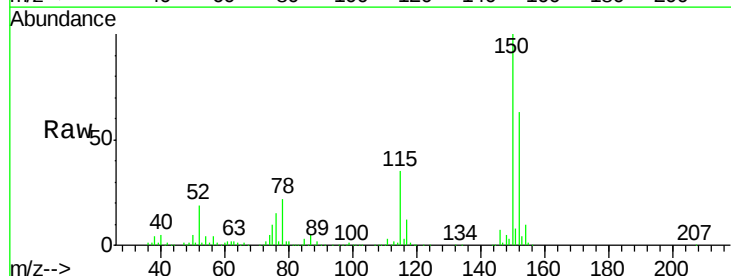


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

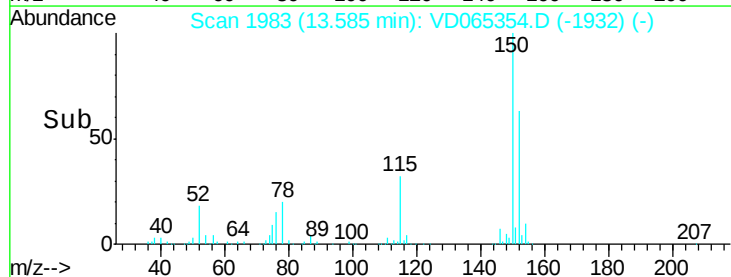
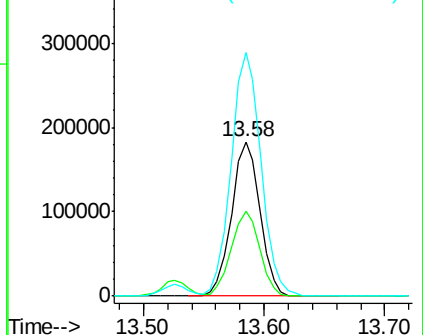


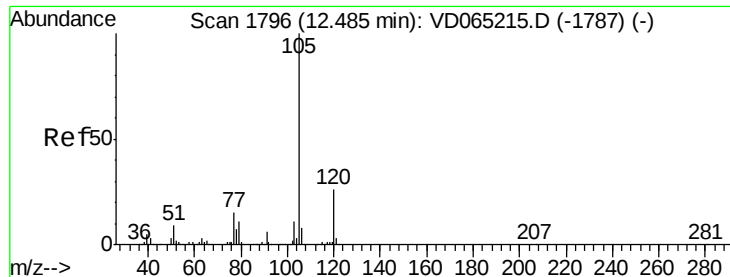
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:152 Resp: 299152
Ion Ratio Lower Upper
152 100
115 56.0 27.6 82.8
150 165.9 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.50 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

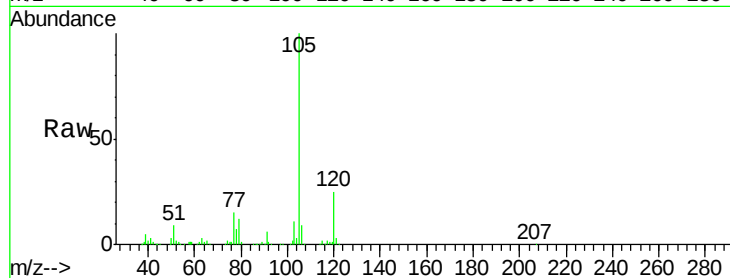
VD0228SBSD01

Tgt Ion:105 Resp: 425757

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

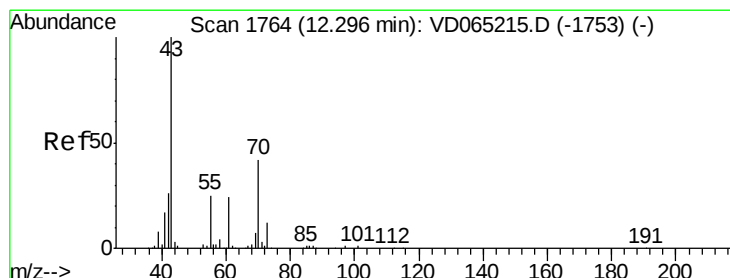
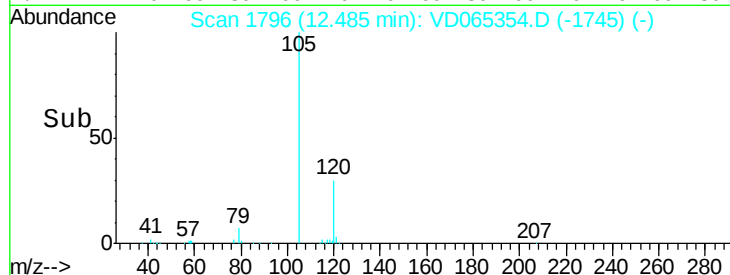
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.94 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Tgt Ion: 43 Resp: 87774

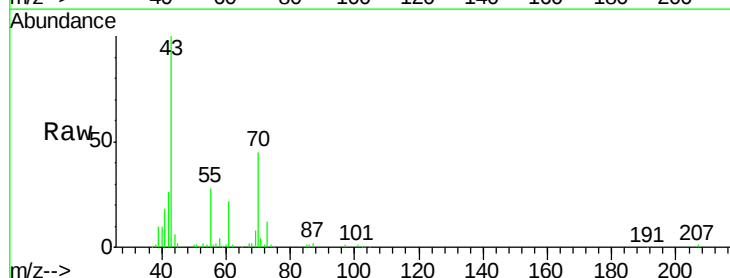
Ion Ratio Lower Upper

43 100

70 43.4 33.7 50.5

55 27.8 20.7 31.1

61 23.7 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

12.30

80000

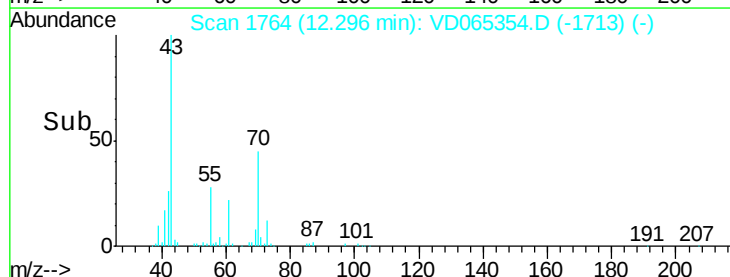
60000

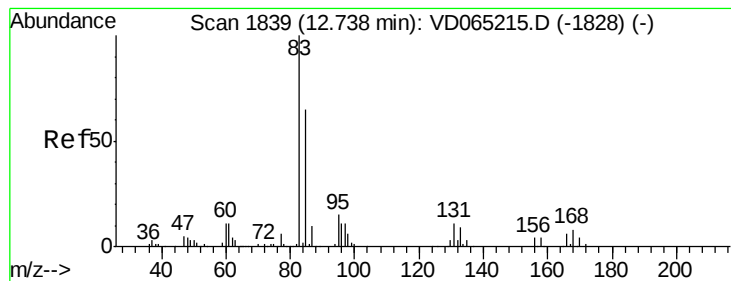
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.93 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

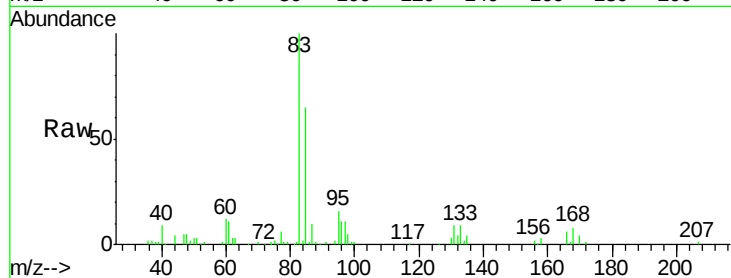
Tgt Ion: 83 Resp: 74821

Ion Ratio Lower Upper

83 100

131 11.6 5.4 16.2

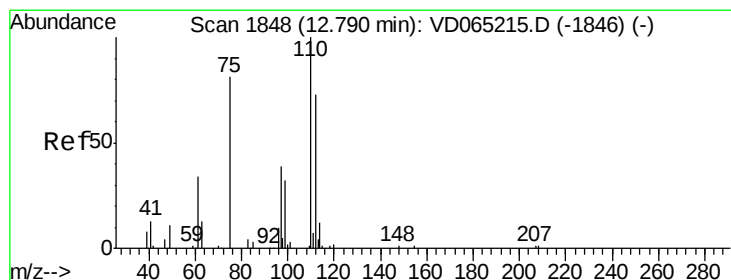
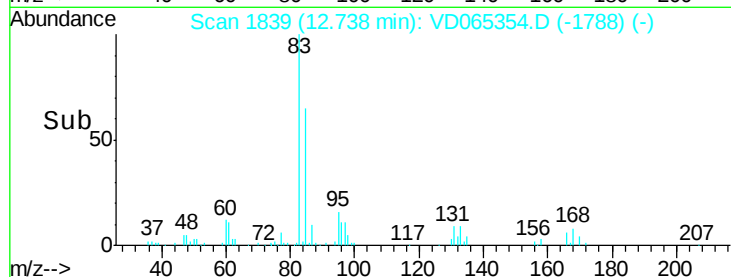
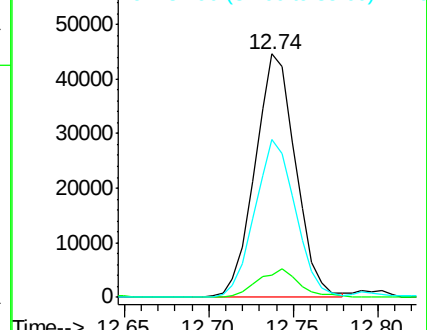
85 65.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.51 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065354.D

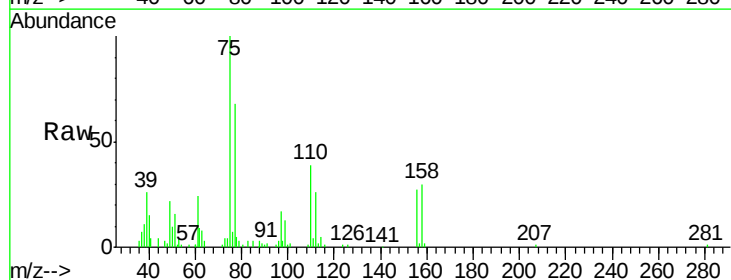
Acq: 28 Feb 2020 12:09

Tgt Ion: 75 Resp: 95463

Ion Ratio Lower Upper

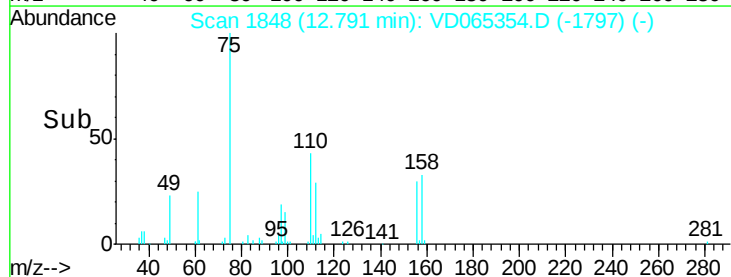
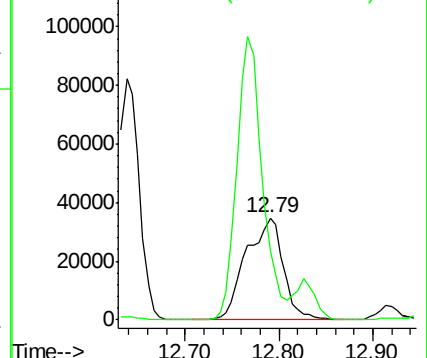
75 100

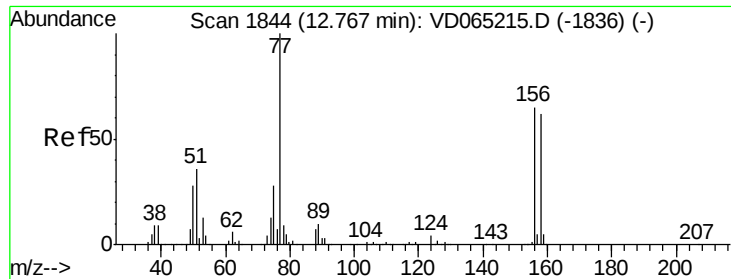
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.39 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

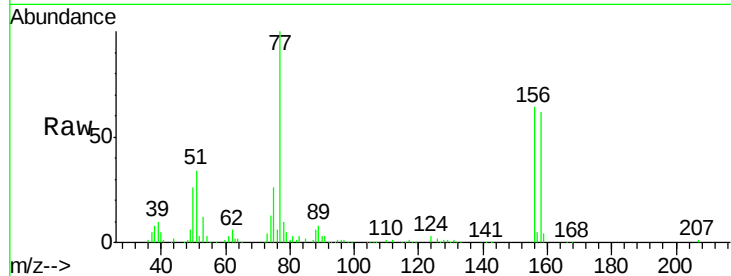
Tgt Ion:156 Resp: 105193

Ion Ratio Lower Upper

156 100

77 173.6 86.6 259.7

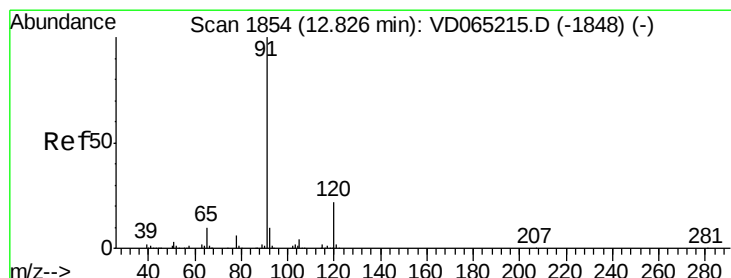
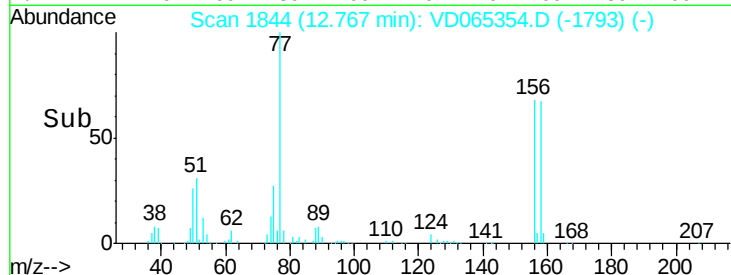
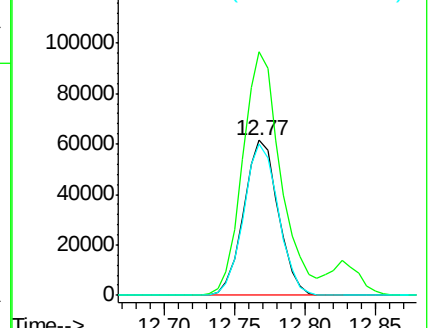
158 98.2 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.78 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065354.D

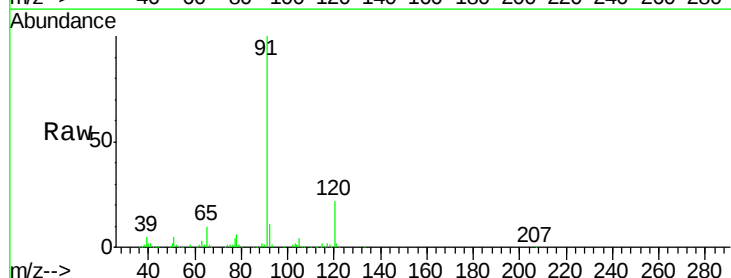
Acq: 28 Feb 2020 12:09

Tgt Ion: 91 Resp: 518261

Ion Ratio Lower Upper

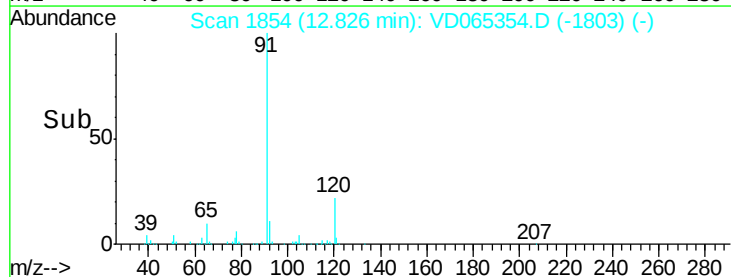
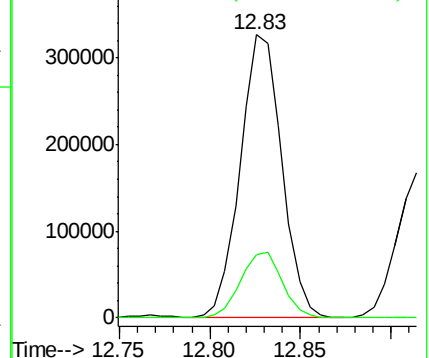
91 100

120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.46 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

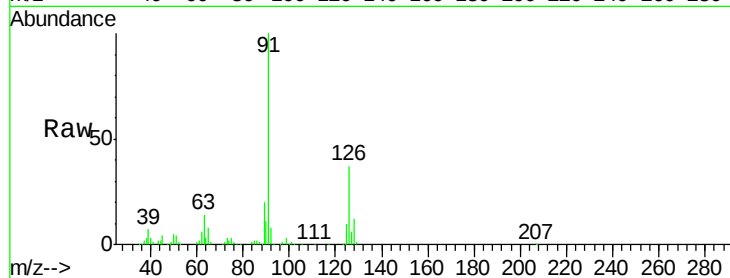
VD0228SBSD01

Tgt Ion: 91 Resp: 286159

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

250000

200000

150000

100000

50000

0

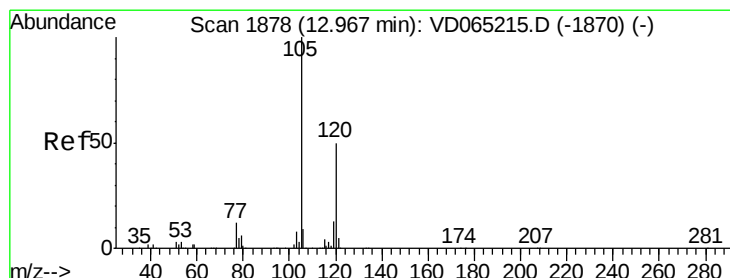
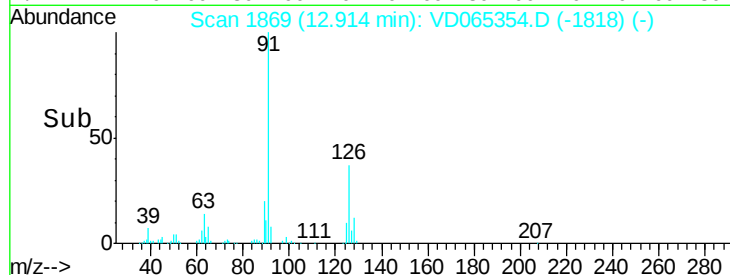
12.85 12.90 12.95

12.91

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.17 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065354.D

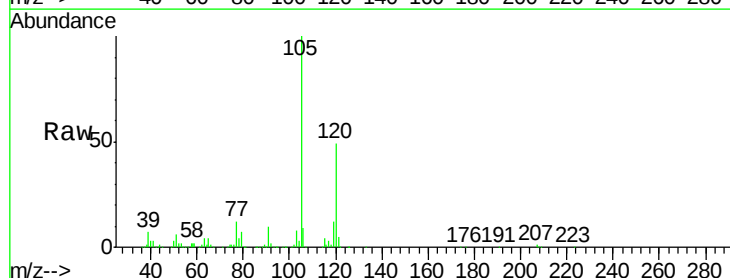
Acq: 28 Feb 2020 12:09

Tgt Ion: 105 Resp: 361644

Ion Ratio Lower Upper

105 100

120 49.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

250000

200000

150000

100000

50000

0

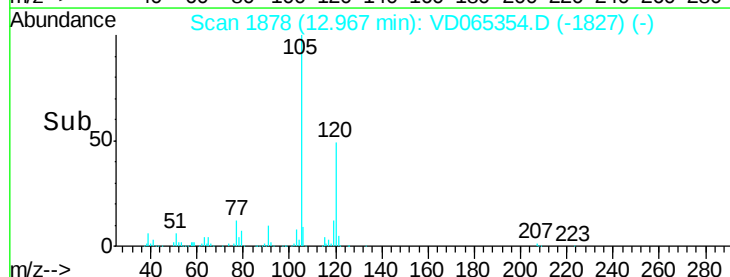
12.90 12.95 13.00

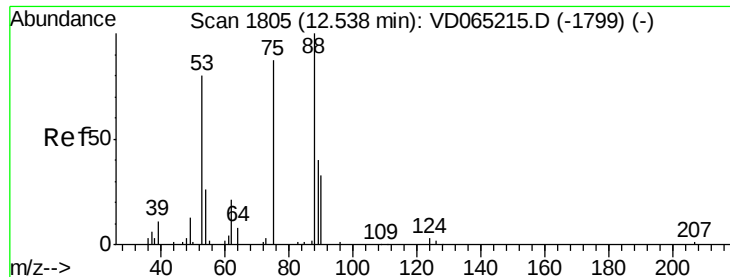
12.97

12.90

13.00

Time-->

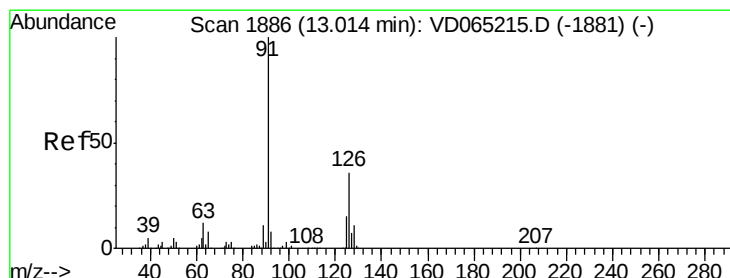
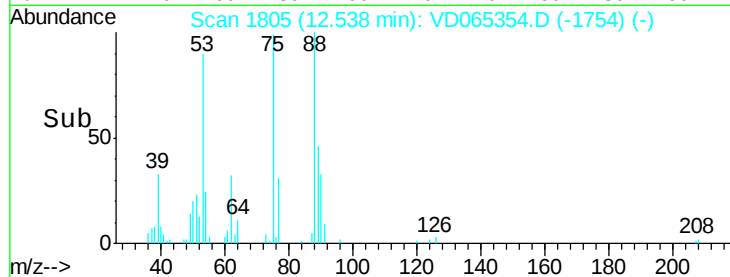
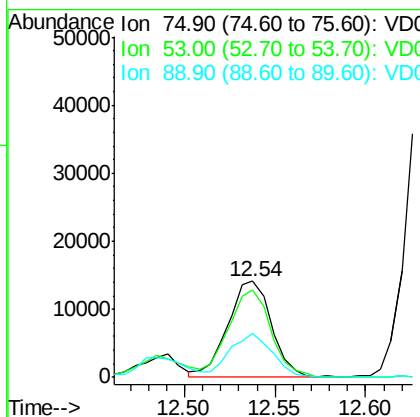
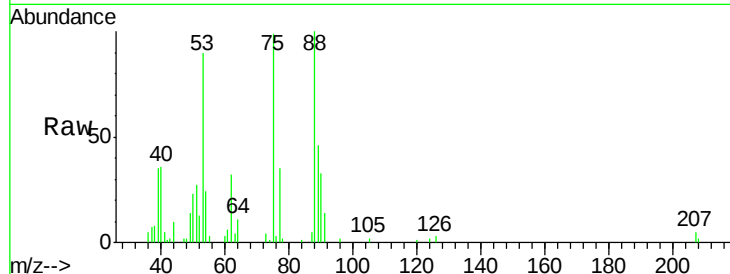




#81
trans-1,4-Dichloro-2-butene
Concen: 20.19 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

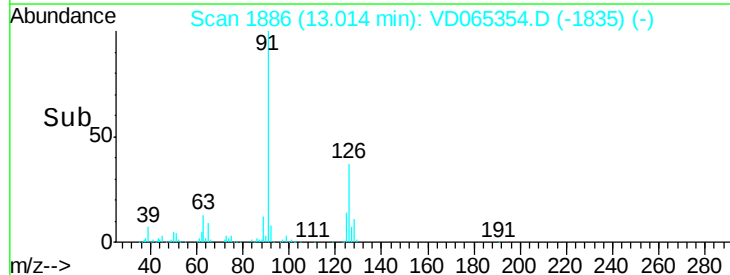
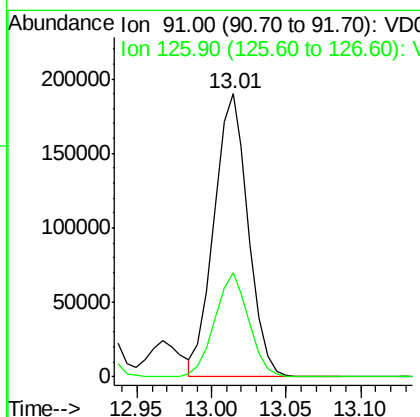
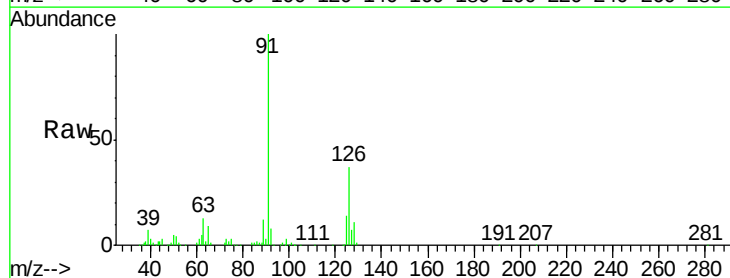
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

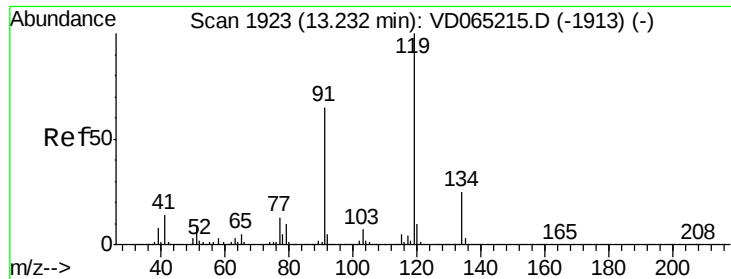
Tgt Ion: 75 Resp: 23804
Ion Ratio Lower Upper
75 100
53 87.9 77.6 116.4
89 44.7 37.2 55.8



#82
4-Chlorotoluene
Concen: 21.42 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion: 91 Resp: 303228
Ion Ratio Lower Upper
91 100
126 36.5 17.4 52.3

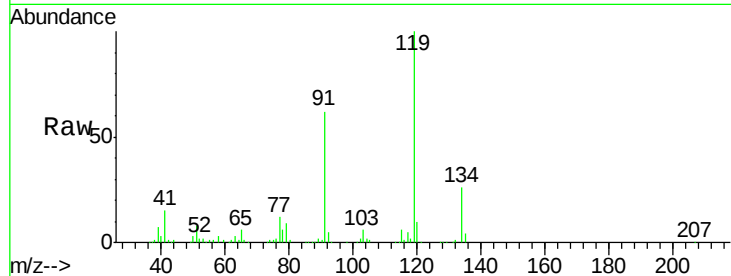




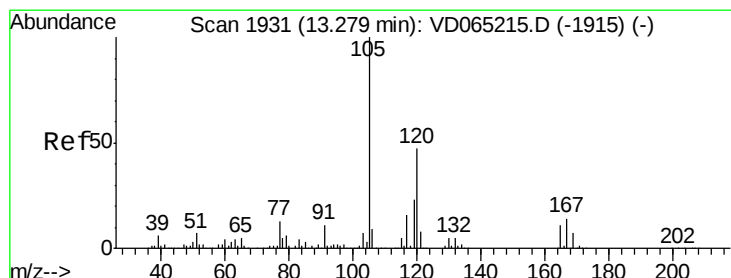
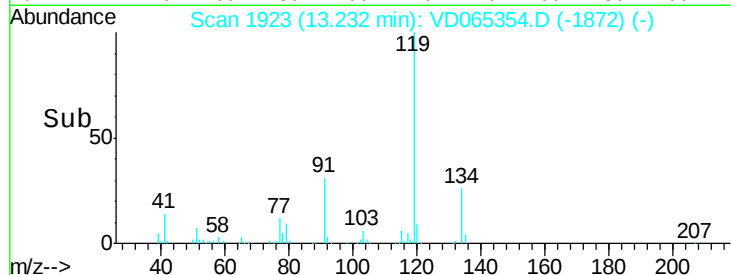
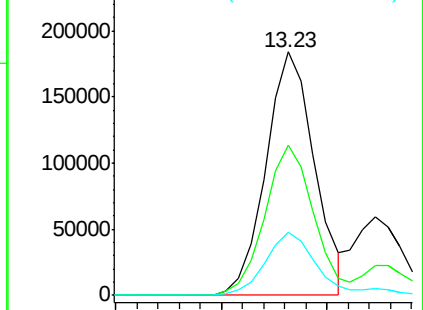
#83
 tert-Butylbenzene
 Concen: 21.55 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

Tgt Ion:119 Resp: 294593
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.9 95.5
 134 27.9 13.8 41.3

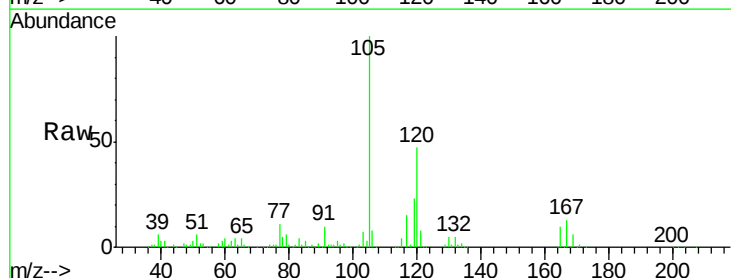


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

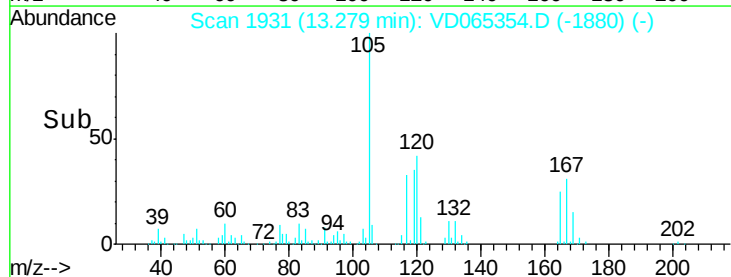
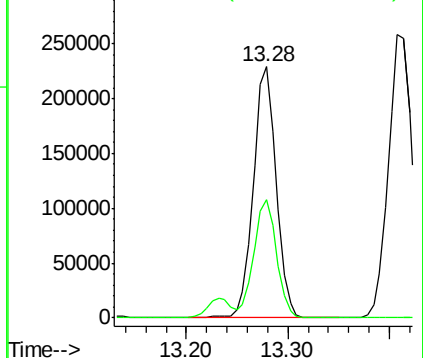


#84
 1,2,4-Trimethylbenzene
 Concen: 21.88 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion:105 Resp: 357240
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9



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

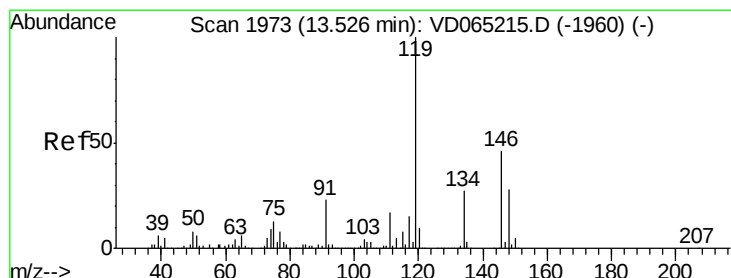
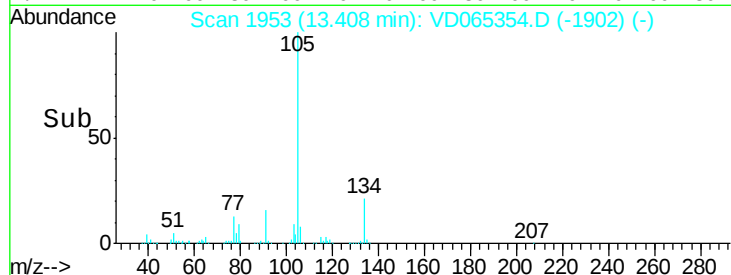
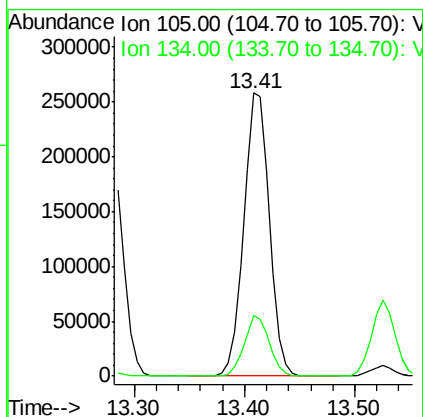
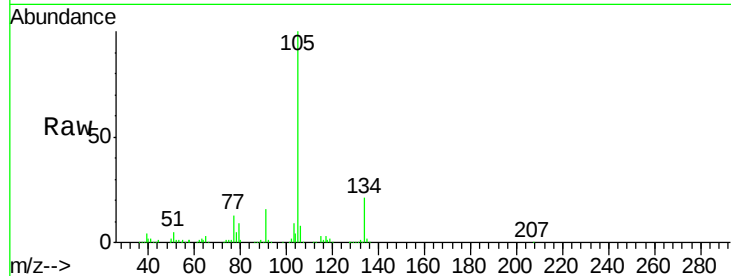




#85
 sec-Butylbenzene
 Concen: 21.32 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

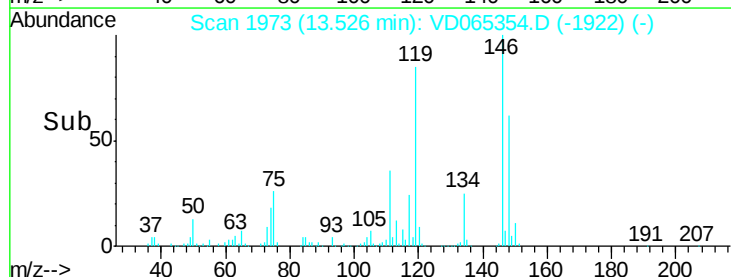
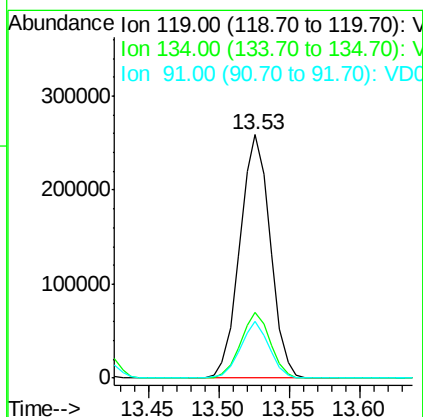
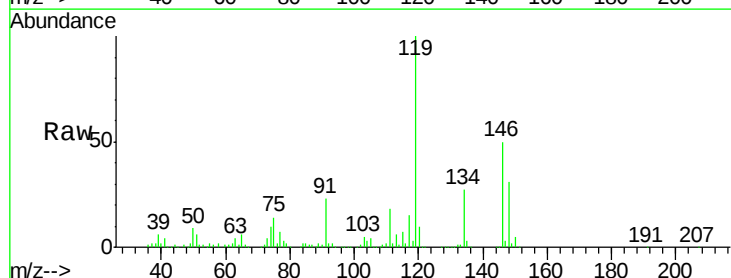
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

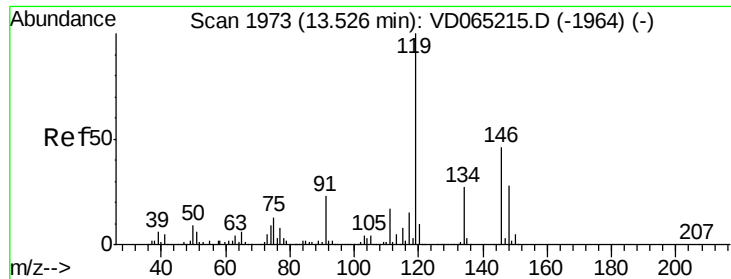
Tgt Ion:105 Resp: 420049
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.58 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion:119 Resp: 388835
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 21.7 11.1 33.1

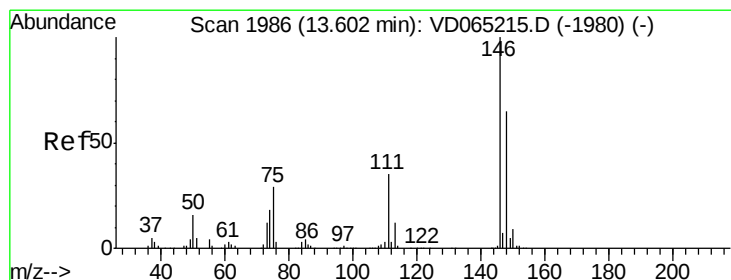
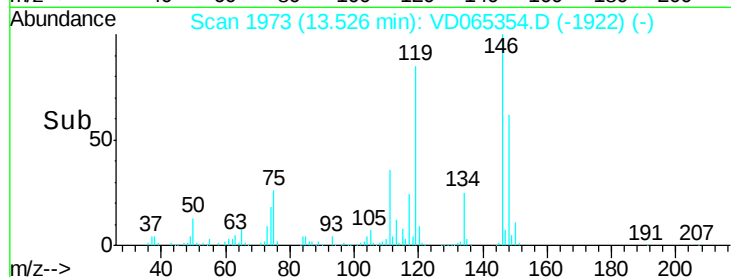
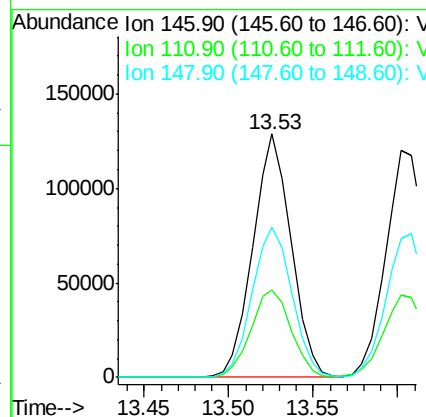
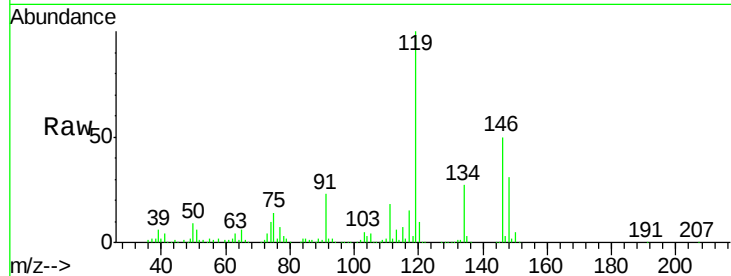




#87
 1,3-Dichlorobenzene
 Concen: 21.30 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

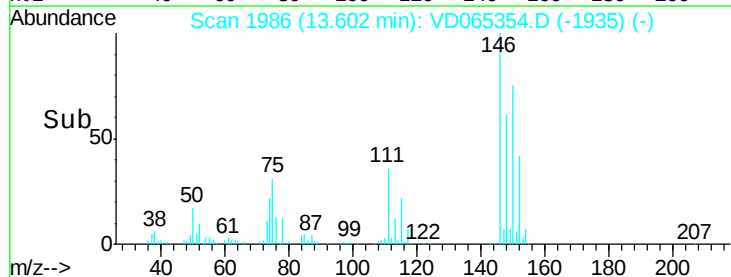
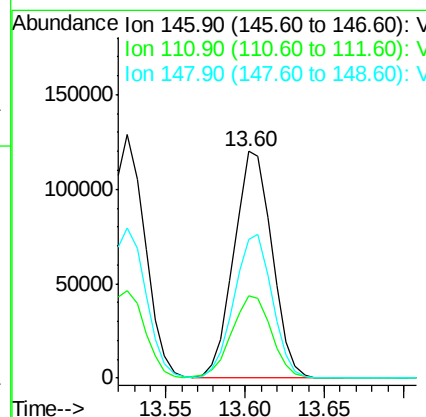
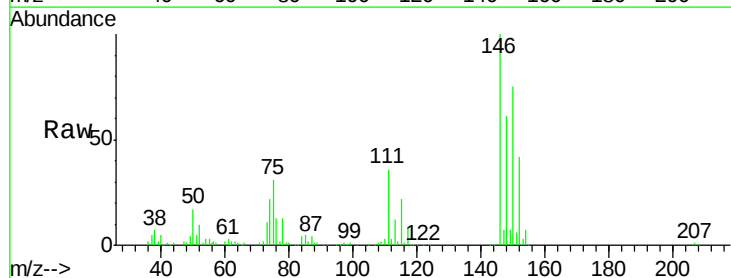
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

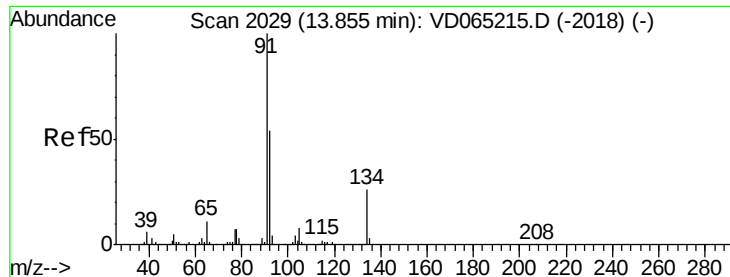
Tgt Ion:146 Resp: 202556
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 64.3 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.43 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion:146 Resp: 201104
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.2
 148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 21.21 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065354.D

Acq: 28 Feb 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBSD01

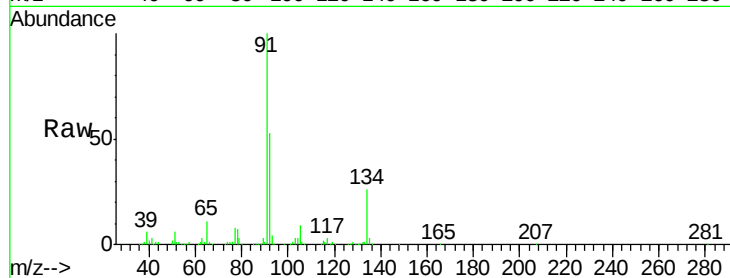
Tgt Ion: 91 Resp: 352069

Ion Ratio Lower Upper

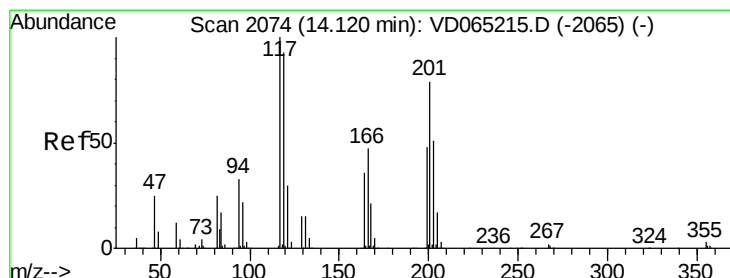
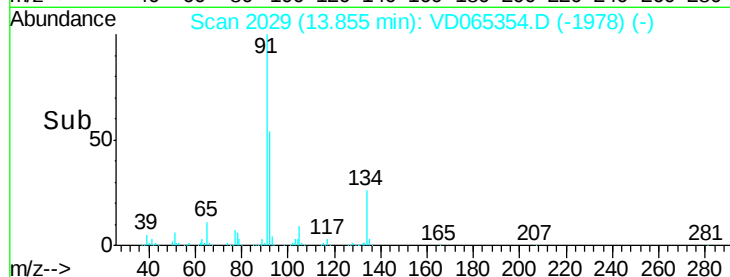
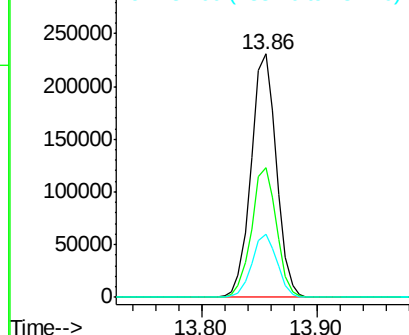
91 100

92 52.9 27.0 80.8

134 25.8 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 21.29 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065354.D

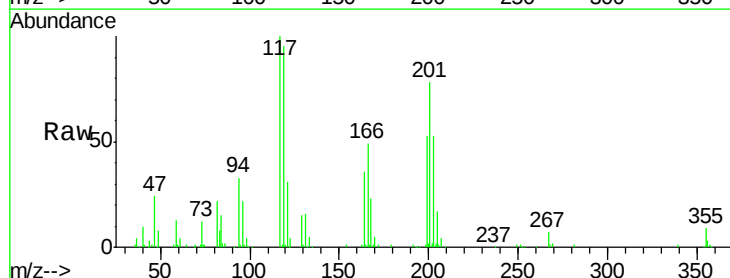
Acq: 28 Feb 2020 12:09

Tgt Ion: 117 Resp: 77875

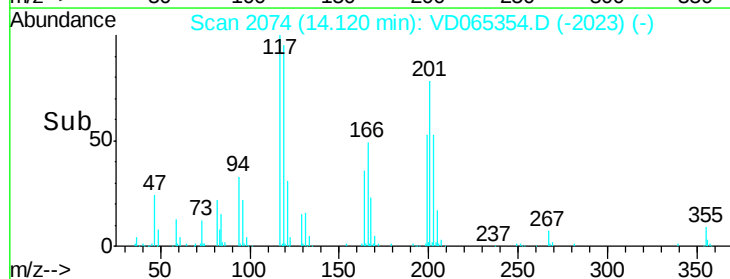
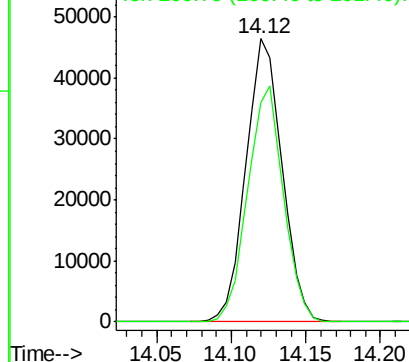
Ion Ratio Lower Upper

117 100

201 81.9 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

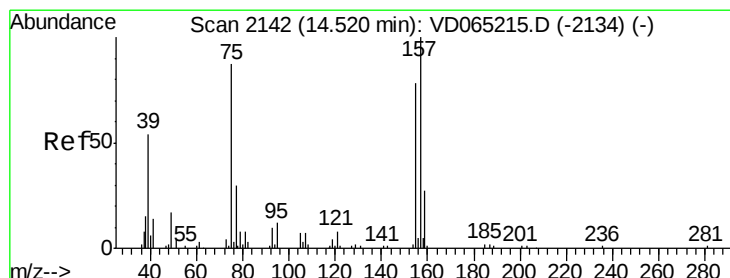
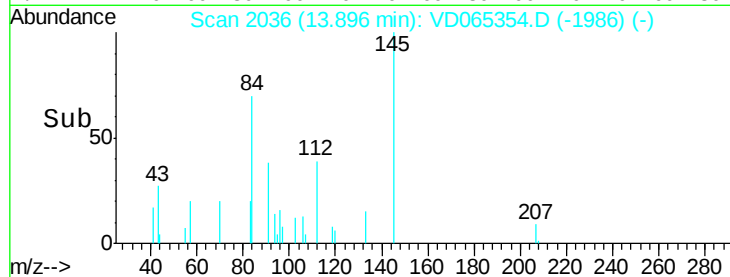
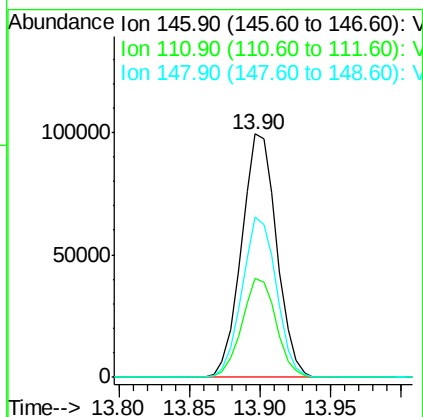
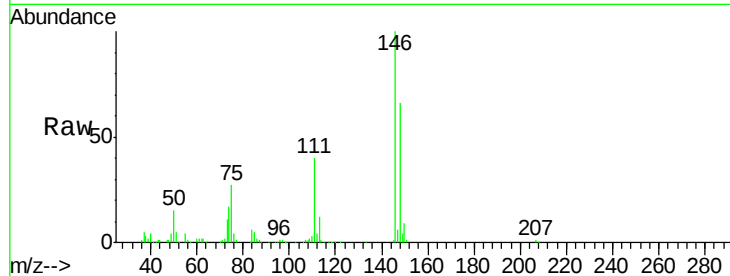




#91
 1,2-Dichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

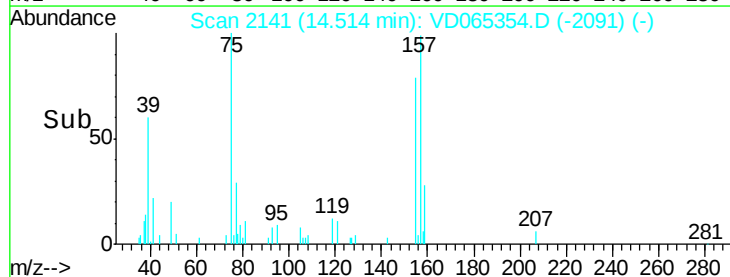
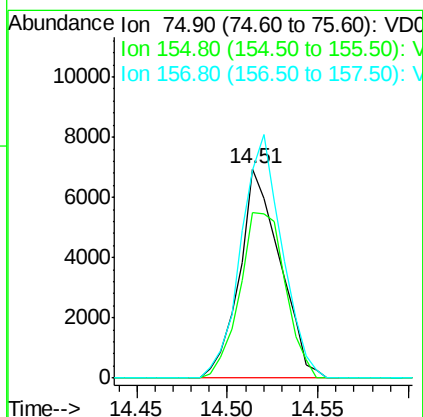
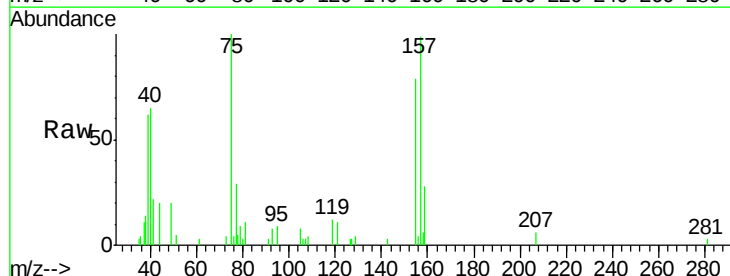
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

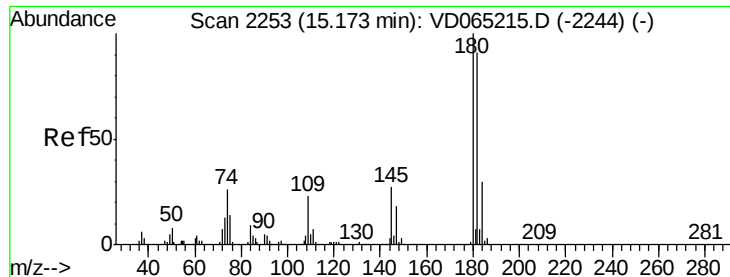
Tgt Ion: 146 Resp: 172839
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.0
 148 64.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.63 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion: 75 Resp: 10812
 Ion Ratio Lower Upper
 75 100
 155 88.3 42.3 126.9
 157 117.4 56.7 170.1

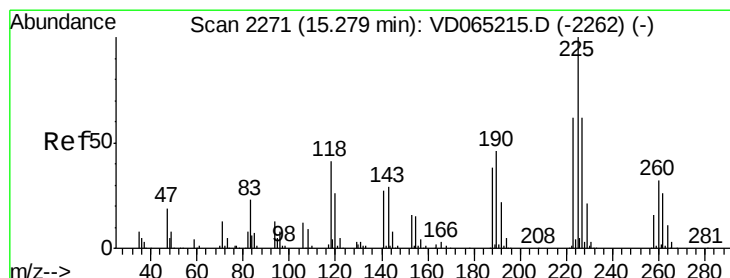
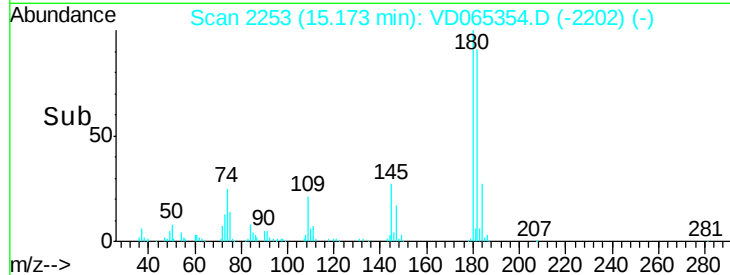
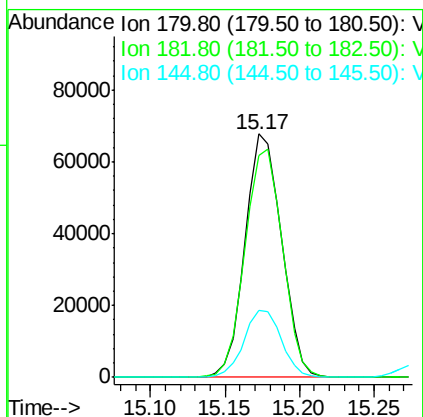
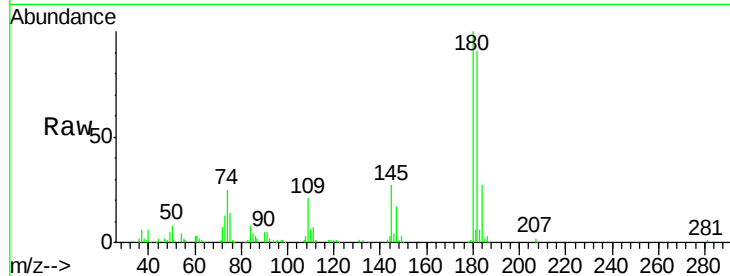




#93
 1,2,4-Trichlorobenzene
 Concen: 21.53 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

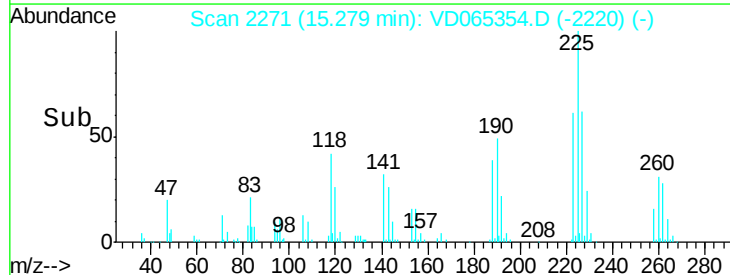
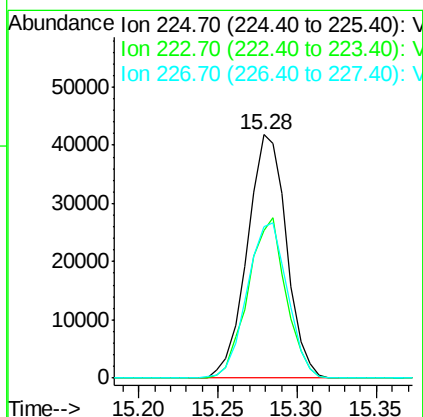
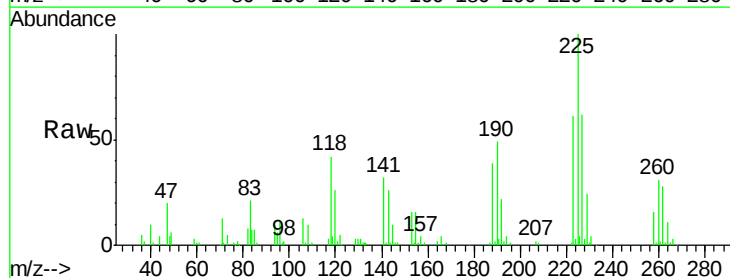
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBSD01

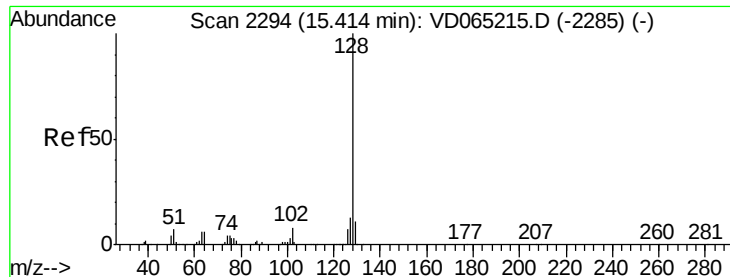
Tgt Ion:180 Resp: 114953
 Ion Ratio Lower Upper
 180 100
 182 95.9 46.9 140.6
 145 28.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 20.97 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065354.D
 Acq: 28 Feb 2020 12:09

Tgt Ion:225 Resp: 71842
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.2
 227 65.8 31.7 95.1

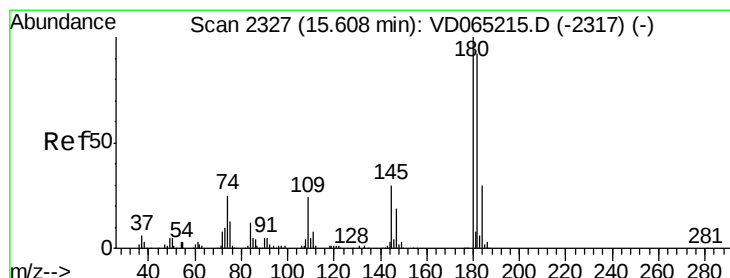
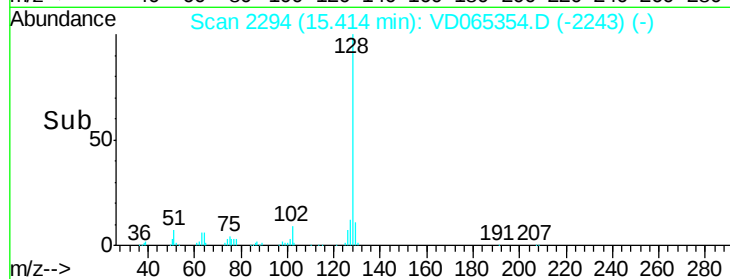
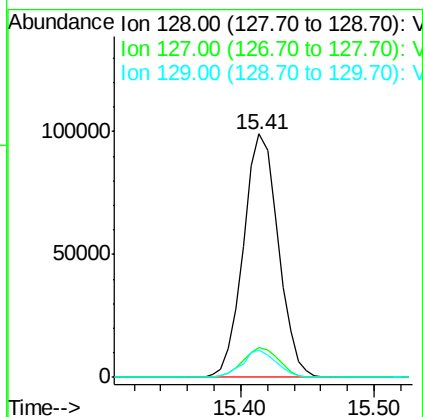
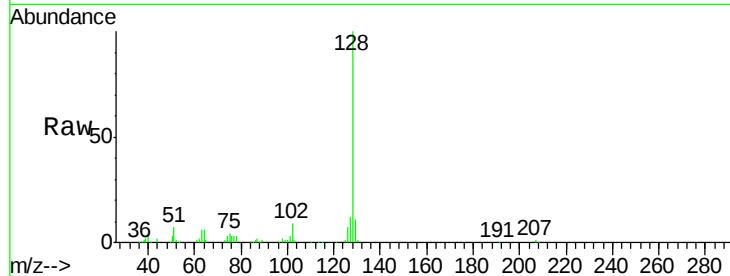




#95
Naphthalene
Concen: 20.56 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBSD01

Tgt Ion:128 Resp: 178466
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.06 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065354.D
Acq: 28 Feb 2020 12:09

Tgt Ion:180 Resp: 102901
Ion Ratio Lower Upper
180 100
182 91.7 46.9 140.6
145 30.4 15.4 46.1

