

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064843.D
 Acq On : 13 Jan 2020 12:14
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Quant Time: Jan 14 11:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	419869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	614819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	546145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263441	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	191159	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.92	113	193301	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.34	98	737799	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	232965	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	64426	19.744	ug/l	99
3) Chloromethane	2.21	50	96968	21.249	ug/l	98
4) Vinyl Chloride	2.35	62	117255	21.073	ug/l	99
5) Bromomethane	2.76	94	80077	19.793	ug/l	94
6) Chloroethane	2.91	64	76800	20.599	ug/l	95
7) Trichlorofluoromethane	3.27	101	191020	20.389	ug/l	96
8) Diethyl Ether	3.71	74	38014	20.433	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84521	21.784	ug/l	98
10) Methyl Iodide	4.29	142	83722	20.088	ug/l	100
11) Tert butyl alcohol	5.24	59	22428	105.701	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	78520	21.256	ug/l	96
13) Acrolein	3.91	56	21734	73.498	ug/l	95
14) Allyl chloride	4.70	41	126520	21.968	ug/l	98
15) Acrylonitrile	5.43	53	81230	104.822	ug/l	99
16) Acetone	4.16	43	86363	105.921	ug/l	99
17) Carbon Disulfide	4.40	76	236350	19.788	ug/l	98
18) Methyl Acetate	4.72	43	42620	20.447	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171981	20.961	ug/l	97
20) Methylene Chloride	4.96	84	97161	23.023	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	90382	21.485	ug/l	98
22) Diisopropyl ether	6.37	45	249977	21.761	ug/l	97
23) Vinyl Acetate	6.31	43	678203	104.076	ug/l	99
24) 1,1-Dichloroethane	6.27	63	153443	22.250	ug/l	99
25) 2-Butanone	7.22	43	109612	107.707	ug/l	92
26) 2,2-Dichloropropane	7.21	77	145820	22.742	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98630	21.724	ug/l	99
28) Bromochloromethane	7.55	49	54664	20.391	ug/l	96
29) Tetrahydrofuran	7.57	42	63794	100.800	ug/l	95
30) Chloroform	7.71	83	164610	22.751	ug/l	94
31) Cyclohexane	7.99	56	144924	20.994	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	151545	22.299	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125163	21.151	ug/l	99
37) Ethyl Acetate	7.30	43	46731	20.102	ug/l	96
38) Carbon Tetrachloride	8.09	117	137573	21.803	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Quant Time: Jan 14 11:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142737	19.915	ug/l	91
40) Benzene	8.35	78	347644	21.520	ug/l	98
41) Methacrylonitrile	7.54	41	26968	19.994	ug/l	91
42) 1,2-Dichloroethane	8.43	62	102646	21.988	ug/l	97
43) Isopropyl Acetate	8.46	43	91691	19.816	ug/l	97
44) Trichloroethene	9.11	130	99784	21.026	ug/l	97
45) 1,2-Dichloropropane	9.39	63	85598	22.192	ug/l	93
46) Dibromomethane	9.48	93	45111	20.977	ug/l	98
47) Bromodichloromethane	9.67	83	124280	21.719	ug/l	99
48) Methyl methacrylate	9.46	41	42729	19.612	ug/l	94
49) 1,4-Dioxane	9.47	88	9436	380.542	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	228697	99.993	ug/l	99
52) Toluene	10.41	92	224728	21.204	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114526	21.467	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	134486	21.378	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59420	20.503	ug/l	94
56) Ethyl methacrylate	10.66	69	70362	19.440	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104587	20.959	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	150696	109.283	ug/l	99
59) 2-Hexanone	10.99	43	157993	101.779	ug/l	99
60) Dibromochloromethane	11.14	129	82609	20.613	ug/l	97
61) 1,2-Dibromoethane	11.25	107	59391	20.777	ug/l	98
64) Tetrachloroethene	10.88	164	87840	20.965	ug/l	97
65) Chlorobenzene	11.67	112	238445	21.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	87850	20.558	ug/l	98
67) Ethyl Benzene	11.75	91	429850	20.893	ug/l	99
68) m/p-Xylenes	11.86	106	320292	40.333	ug/l	95
69) o-Xylene	12.18	106	146971	20.490	ug/l	99
70) Styrene	12.20	104	259429	20.605	ug/l	99
71) Bromoform	12.37	173	47375	19.441	ug/l #	100
73) Isopropylbenzene	12.48	105	407707	21.657	ug/l	100
74) N-amyl acetate	12.30	43	81907	20.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	61295	20.726	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	82681	39.745	ug/l #	100
77) Bromobenzene	12.77	156	95107	20.560	ug/l	96
78) n-propylbenzene	12.83	91	475542	21.652	ug/l	99
79) 2-Chlorotoluene	12.91	91	263265	21.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	329486	21.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21883	22.001	ug/l	98
82) 4-Chlorotoluene	13.01	91	278160	21.664	ug/l	100
83) tert-Butylbenzene	13.23	119	283912	21.144	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	330463	21.456	ug/l	99
85) sec-Butylbenzene	13.41	105	400537	21.759	ug/l	99
86) p-Isopropyltoluene	13.53	119	364273	20.696	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186140	21.108	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184122	21.254	ug/l	99
89) n-Butylbenzene	13.85	91	337153	21.270	ug/l	99
90) Hexachloroethane	14.12	117	72194	21.472	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	157230	20.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10809	22.546	ug/l	86

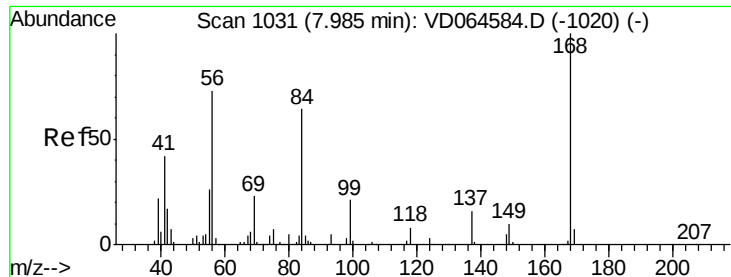
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
Data File : VD064843.D
Acq On : 13 Jan 2020 12:14
Operator : VA/SY
Sample : VD0113SBS01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Jan 14 11:31:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109623	19.799	ug/l	99
94) Hexachlorobutadiene	15.28	225	70958	20.366	ug/l	98
95) Naphthalene	15.41	128	163019	18.611	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94117	19.912	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

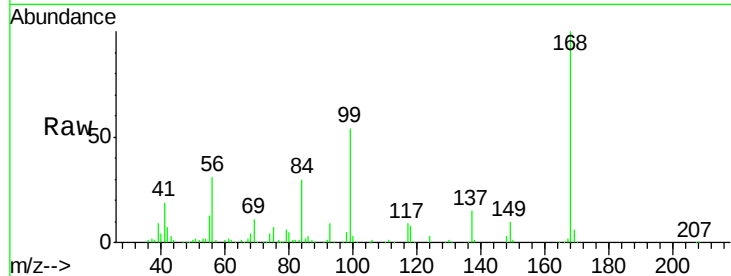
VD0113SBS01

Tgt Ion:168 Resp: 419869

Ion Ratio Lower Upper

168 100

99 53.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

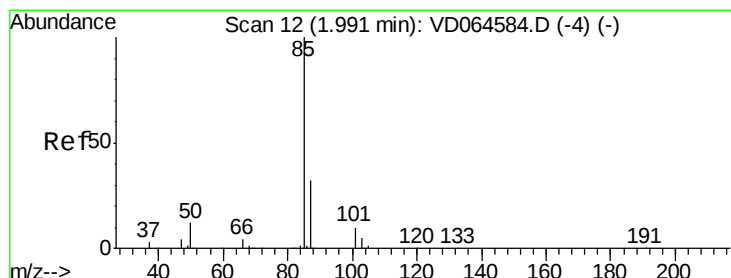
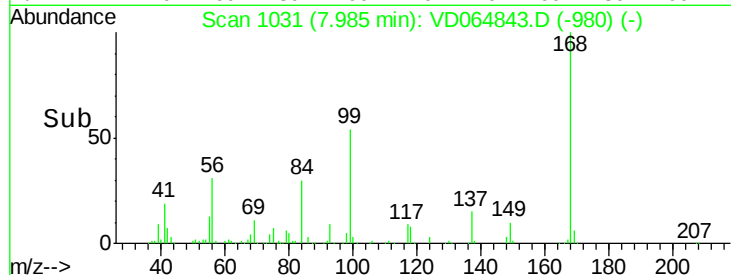
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.744 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064843.D

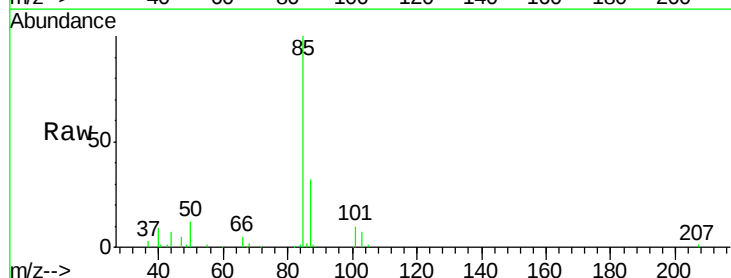
Acq: 13 Jan 2020 12:14

Tgt Ion: 85 Resp: 64426

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

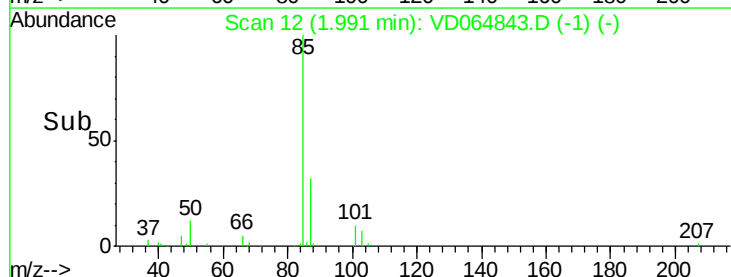
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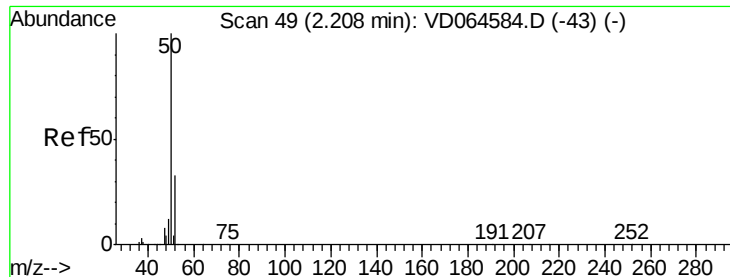
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.249 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

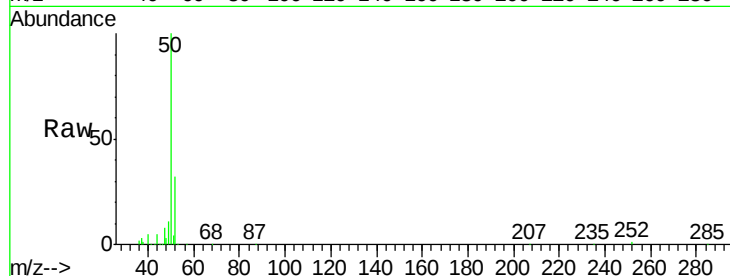
VD0113SBS01

Tgt Ion: 50 Resp: 96968

Ion Ratio Lower Upper

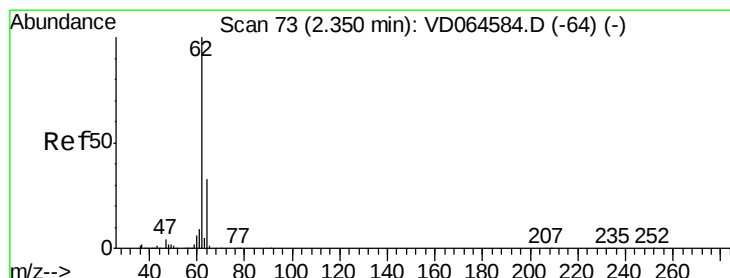
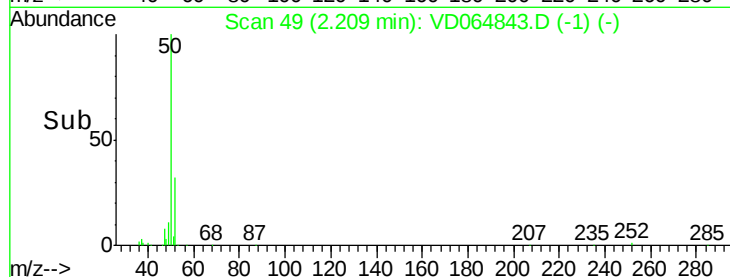
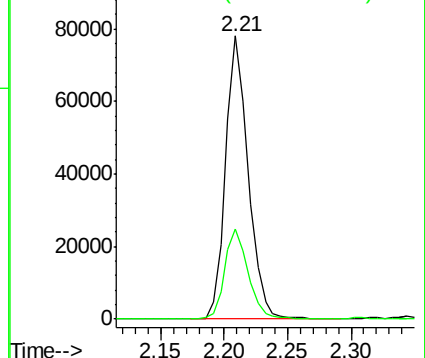
50 100

52 31.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.073 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064843.D

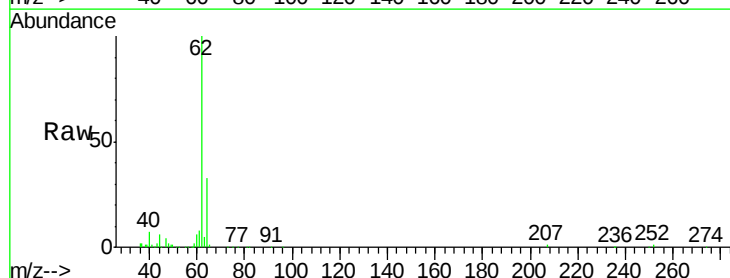
Acq: 13 Jan 2020 12:14

Tgt Ion: 62 Resp: 117255

Ion Ratio Lower Upper

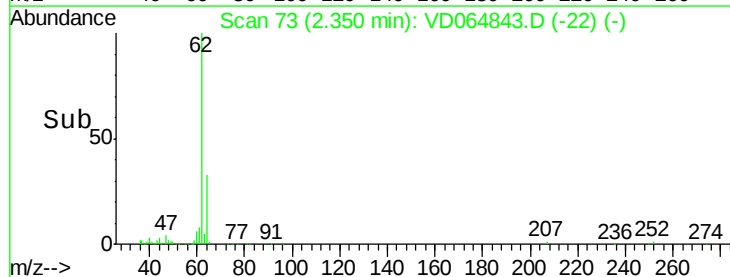
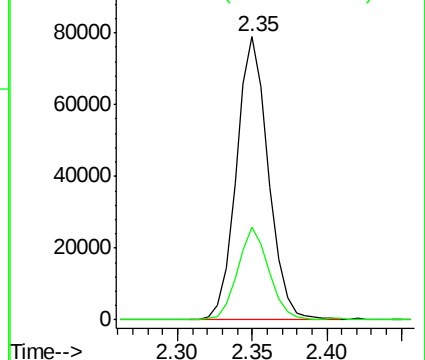
62 100

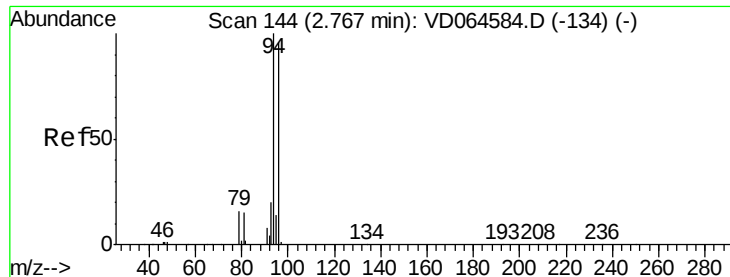
64 32.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.793 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

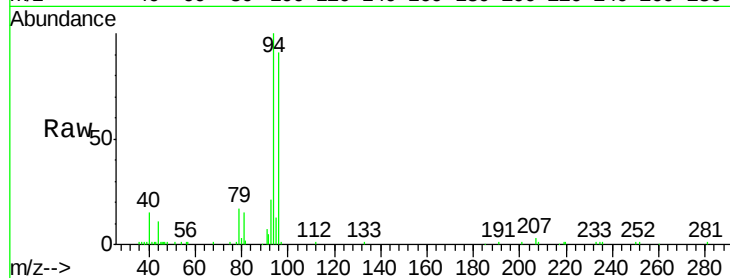
VD0113SBS01

Tgt Ion: 94 Resp: 80077

Ion Ratio Lower Upper

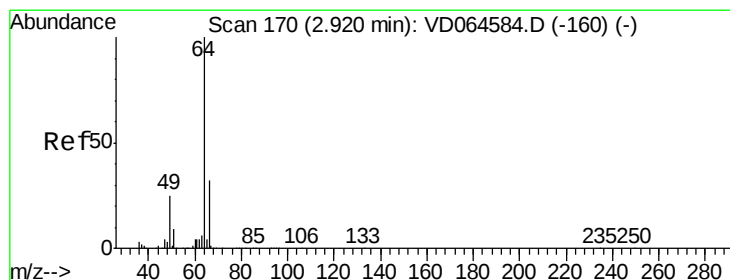
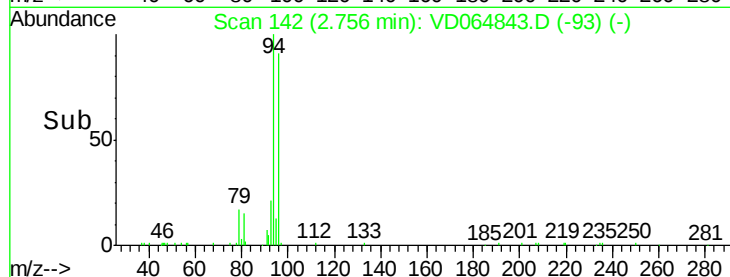
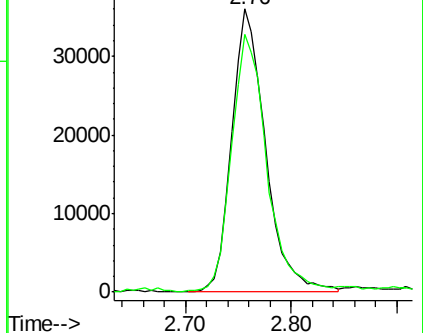
94 100

96 90.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.599 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064843.D

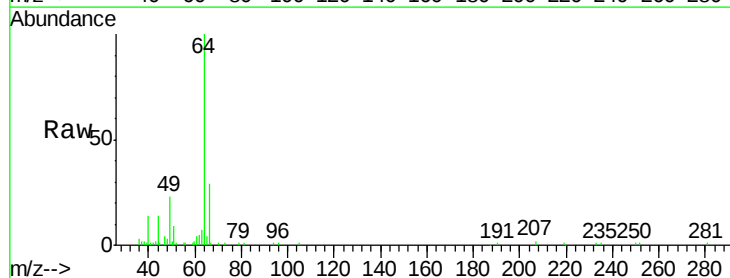
Acq: 13 Jan 2020 12:14

Tgt Ion: 64 Resp: 76800

Ion Ratio Lower Upper

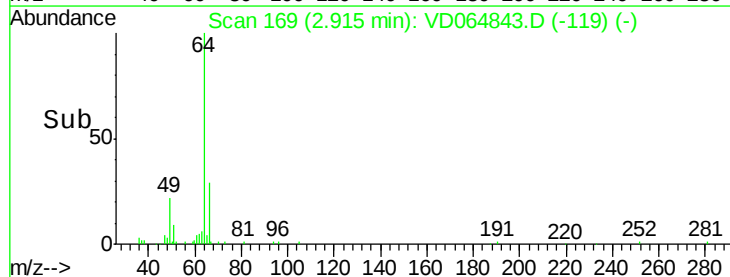
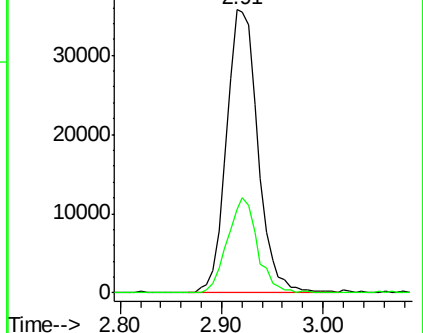
64 100

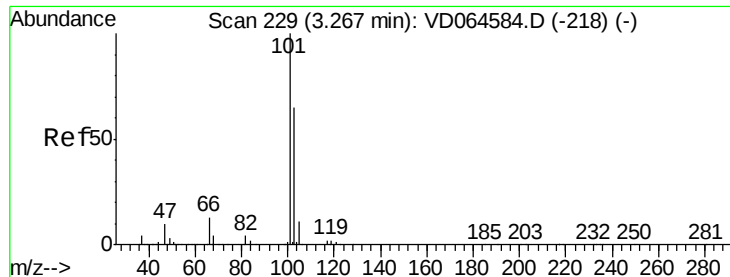
66 29.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



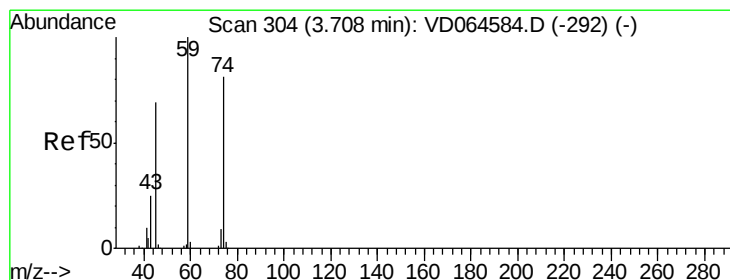
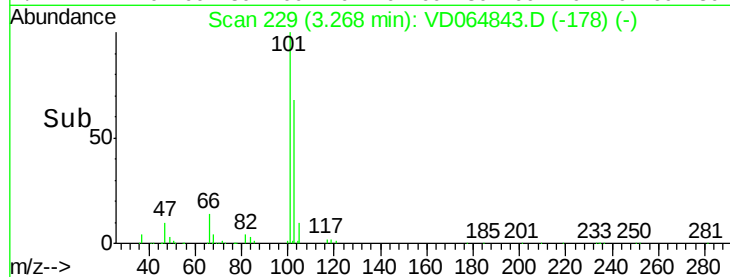
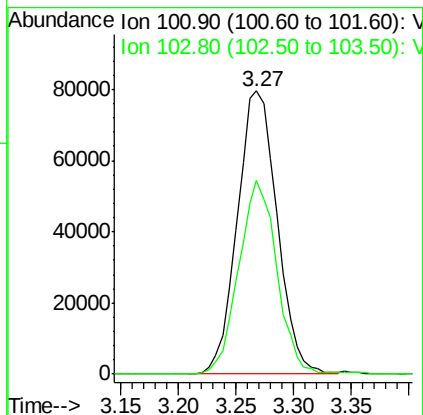
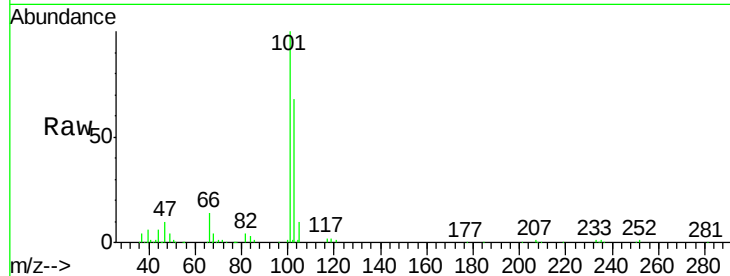


#7

Trichlorofluoromethane
 Concen: 20.389 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

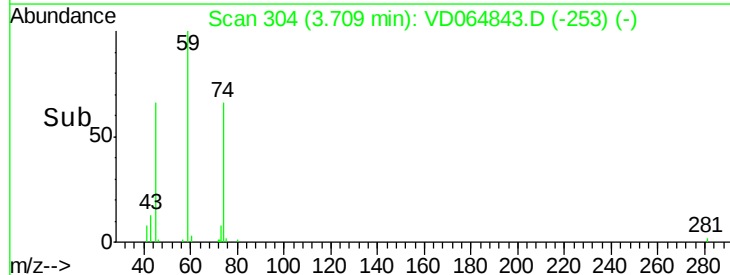
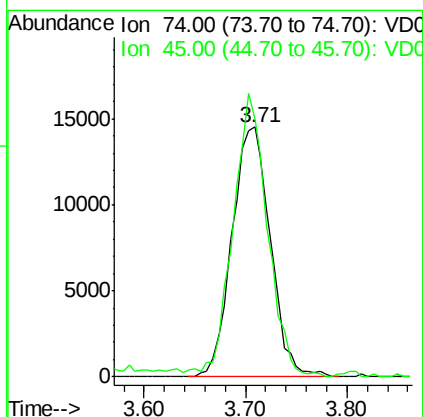
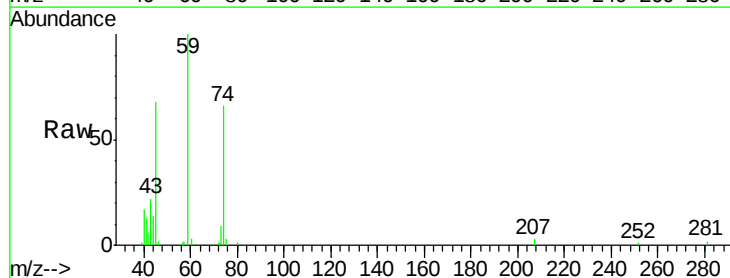
Tgt Ion: 101 Resp: 191020
 Ion Ratio Lower Upper
 101 100
 103 68.4 52.2 78.4



#8

Diethyl Ether
 Concen: 20.433 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 74 Resp: 38014
 Ion Ratio Lower Upper
 74 100
 45 102.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.784 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

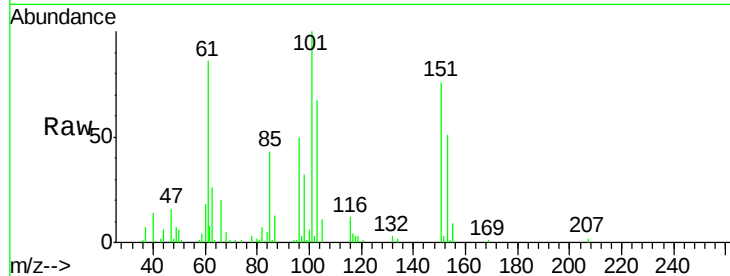
Tgt Ion:101 Resp: 84521

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

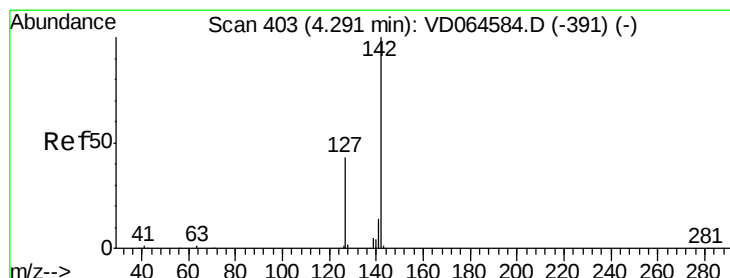
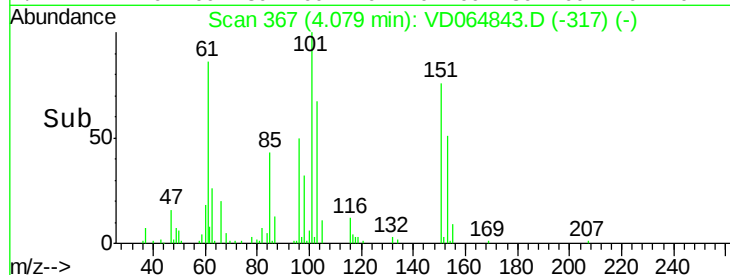
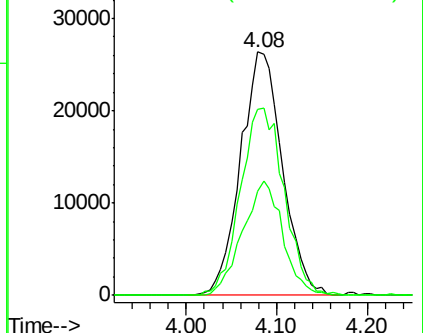
151 80.2 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.088 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

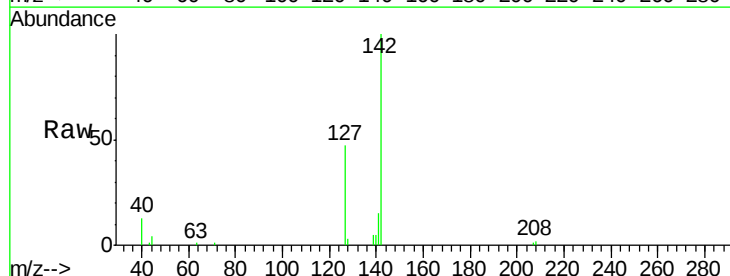
Tgt Ion:142 Resp: 83722

Ion Ratio Lower Upper

142 100

127 45.1 36.2 54.4

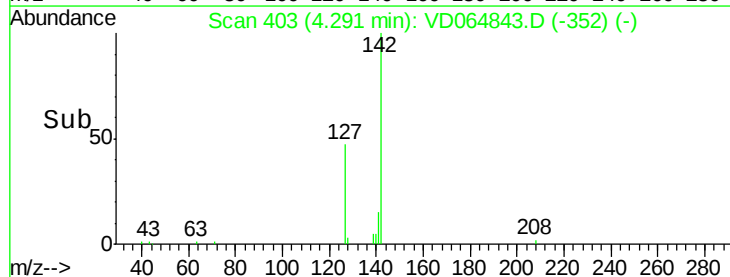
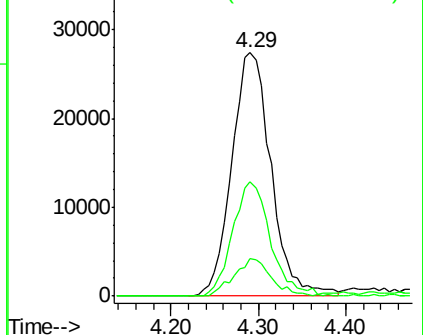
141 14.4 11.8 17.8



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



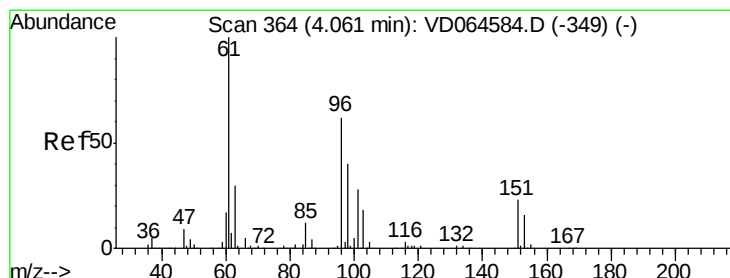
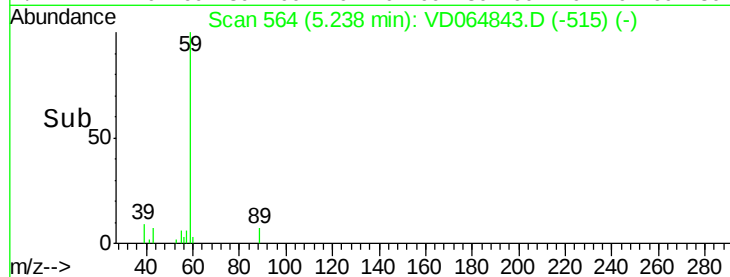
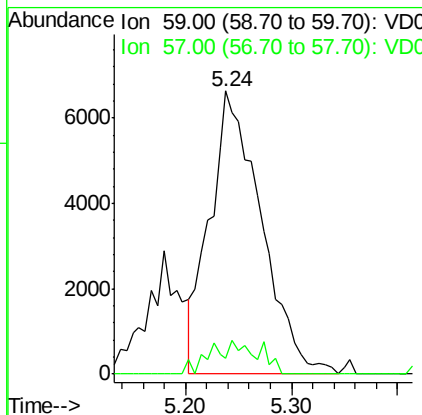
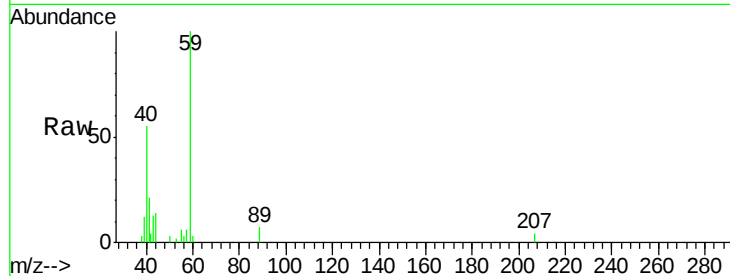


#11

Tert butyl alcohol
 Concen: 105.701 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

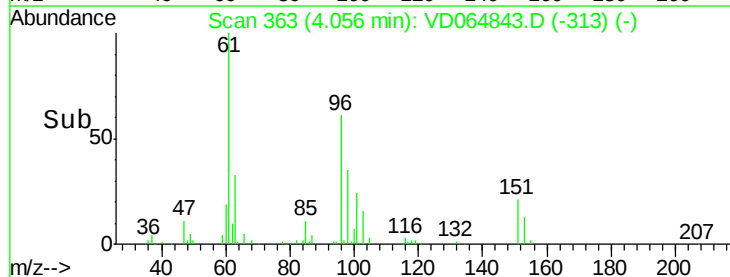
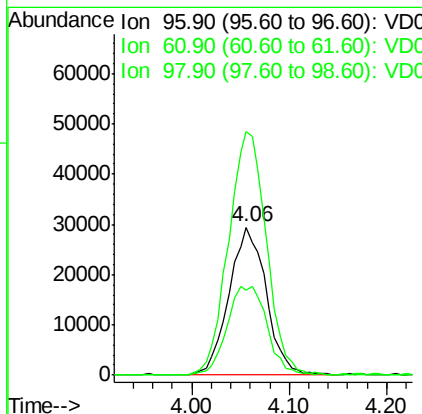
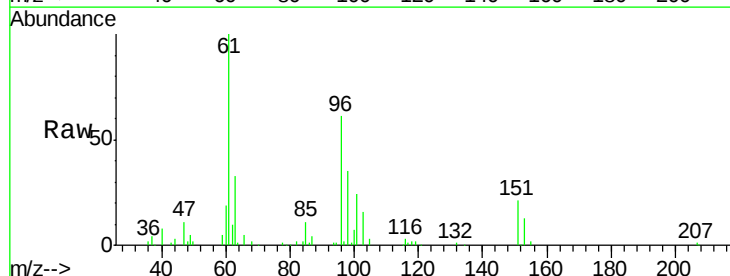
Tgt Ion: 59 Resp: 22428
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

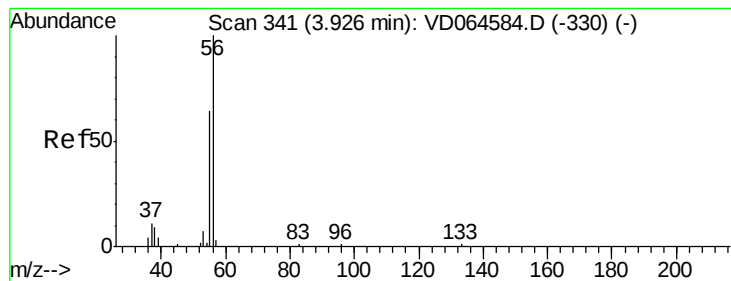


#12

1,1-Dichloroethene
 Concen: 21.256 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 96 Resp: 78520
 Ion Ratio Lower Upper
 96 100
 61 164.4 129.4 194.0
 98 57.3 51.4 77.0





#13

Acrolein

Concen: 73.498 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

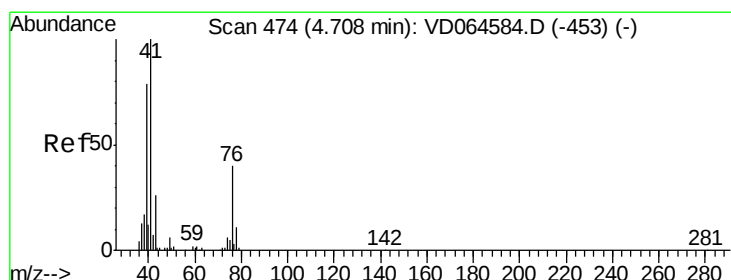
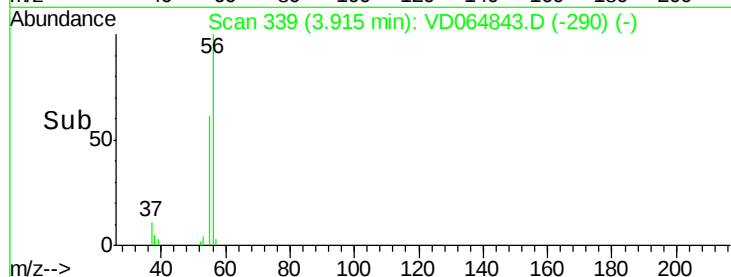
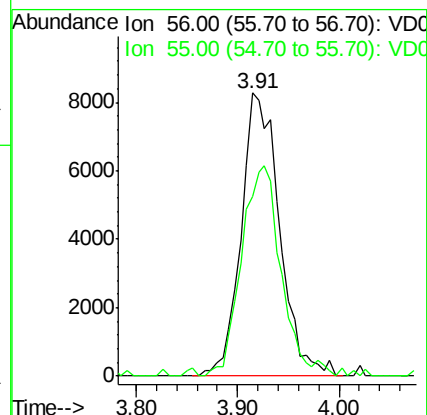
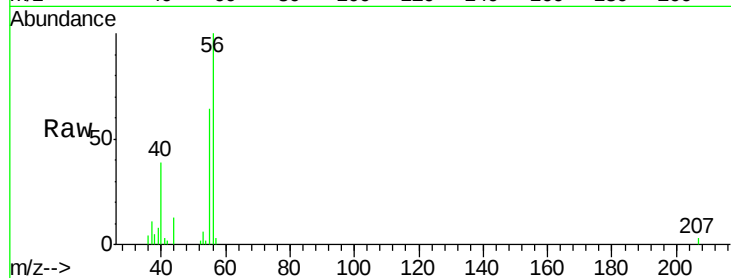
VD0113SBS01

Tgt Ion: 56 Resp: 21734

Ion Ratio Lower Upper

56 100

55 75.0 56.7 85.1



#14

Allyl chloride

Concen: 21.968 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

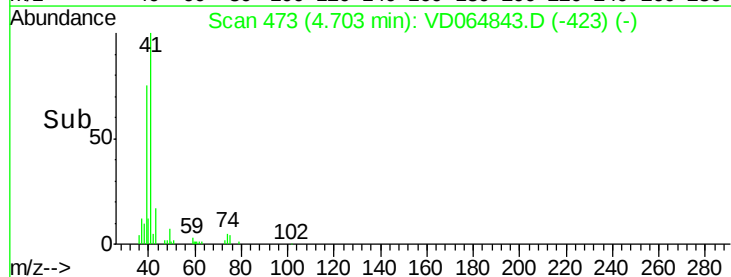
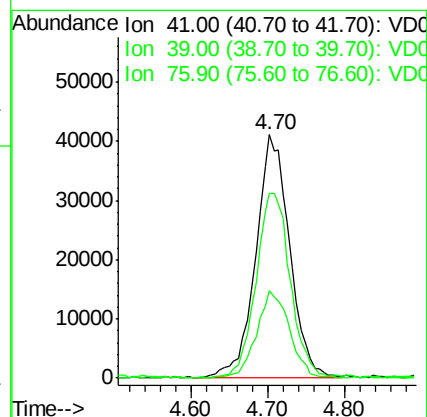
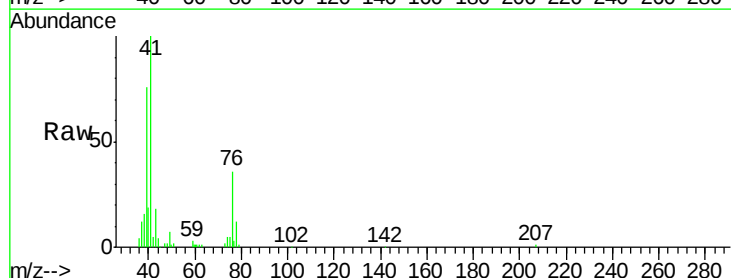
Tgt Ion: 41 Resp: 126520

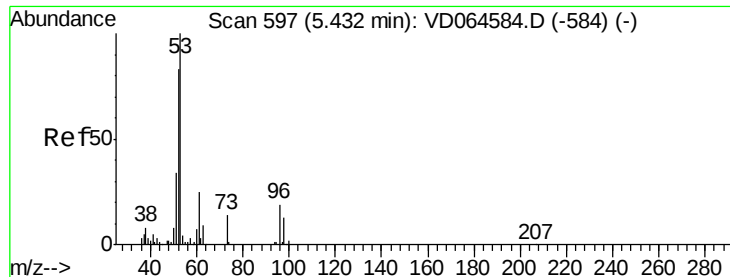
Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 35.0 29.7 44.5





#15

Acrylonitrile

Concen: 104.822 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

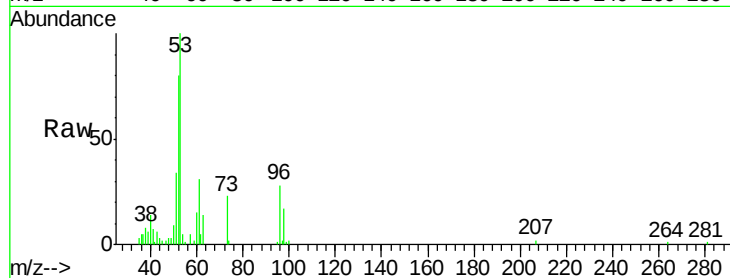
Tgt Ion: 53 Resp: 81230

Ion Ratio Lower Upper

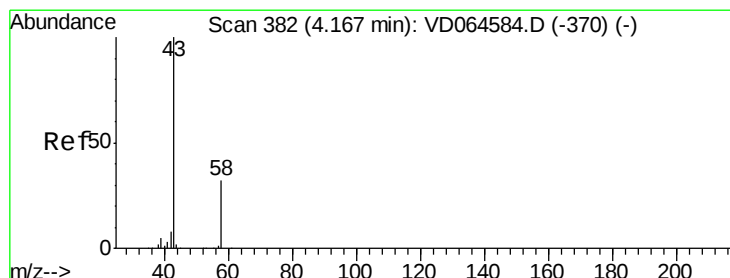
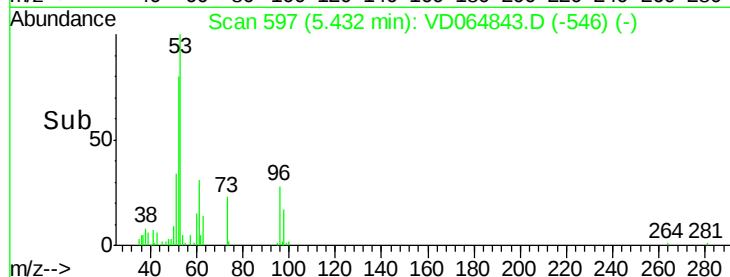
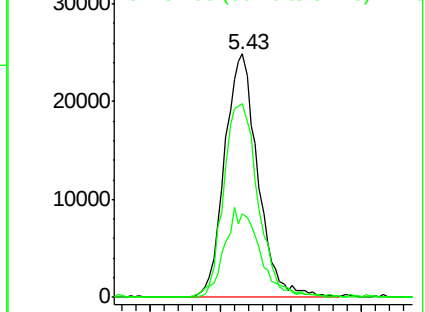
53 100

52 82.3 66.2 99.2

51 38.7 30.1 45.1



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



#16

Acetone

Concen: 105.921 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064843.D

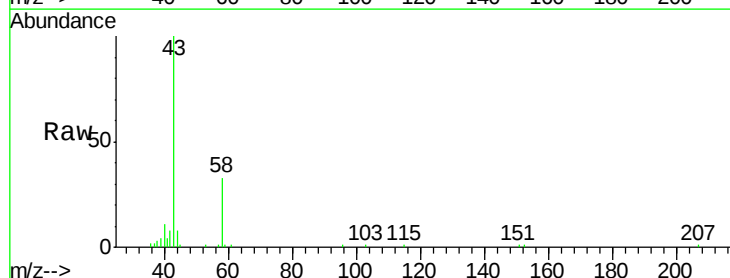
Acq: 13 Jan 2020 12:14

Tgt Ion: 43 Resp: 86363

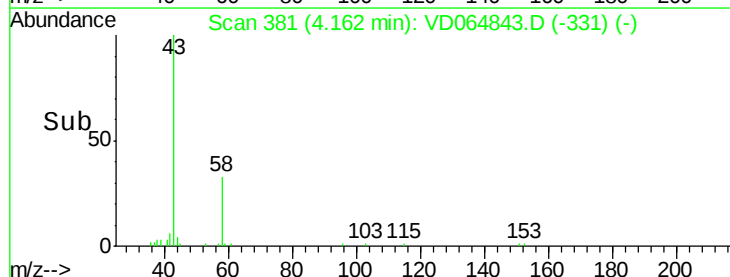
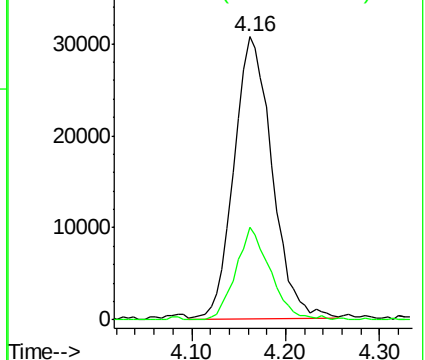
Ion Ratio Lower Upper

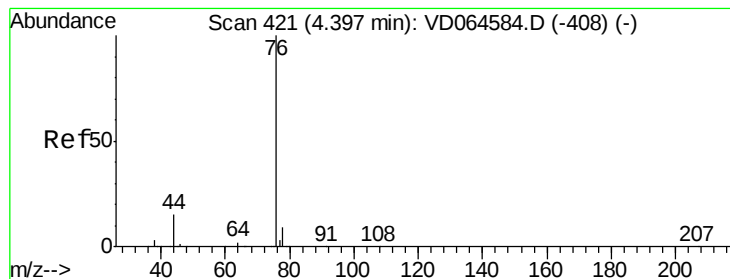
43 100

58 33.0 25.8 38.6



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





#17

Carbon Disulfide

Concen: 19.788 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

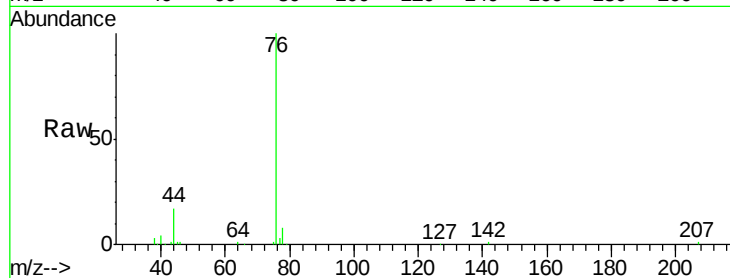
VD0113SBS01

Tgt Ion: 76 Resp: 236350

Ion Ratio Lower Upper

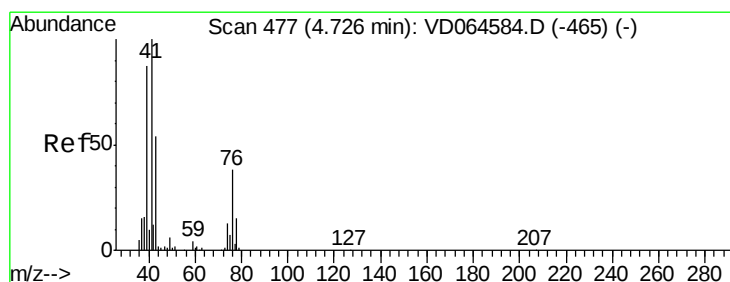
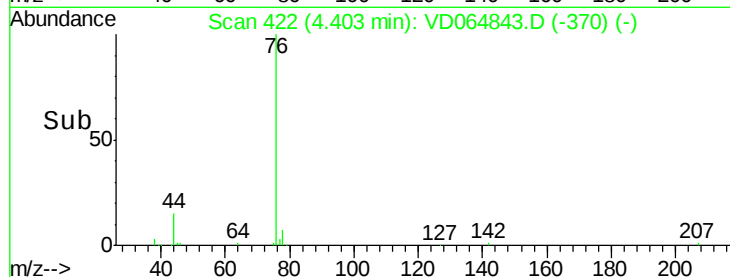
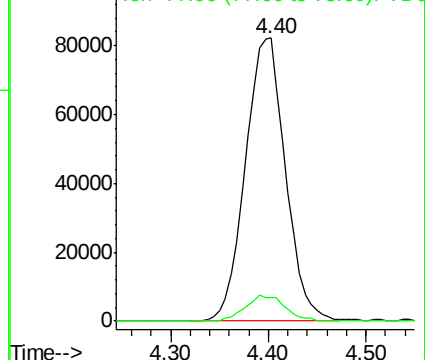
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.447 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064843.D

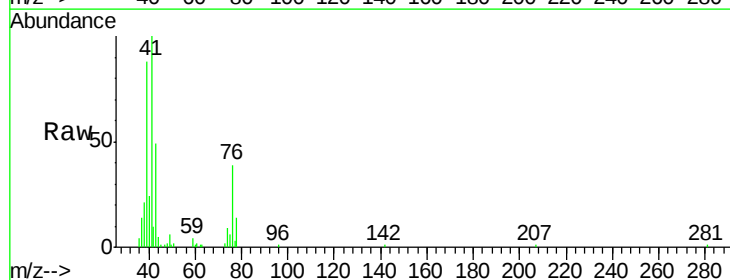
Acq: 13 Jan 2020 12:14

Tgt Ion: 43 Resp: 42620

Ion Ratio Lower Upper

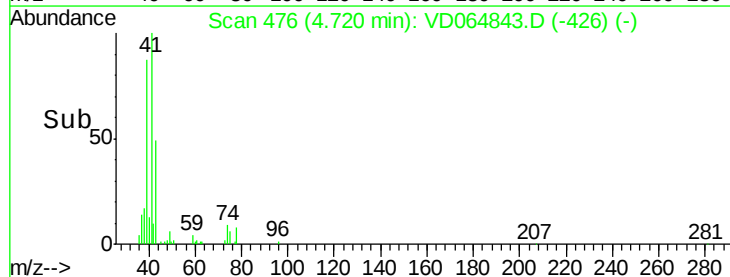
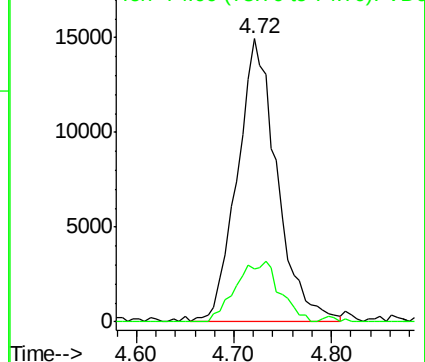
43 100

74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



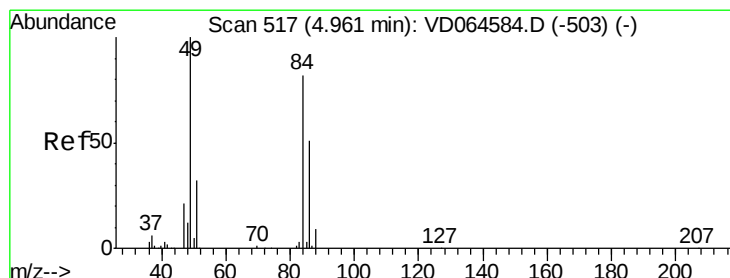
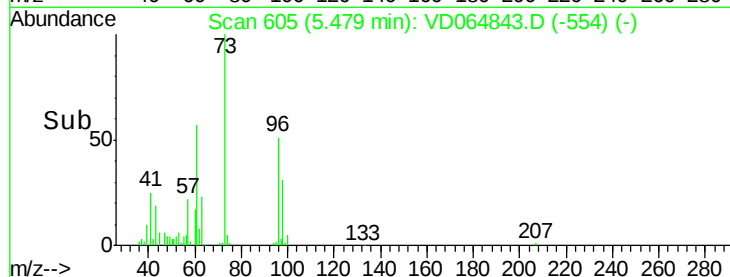
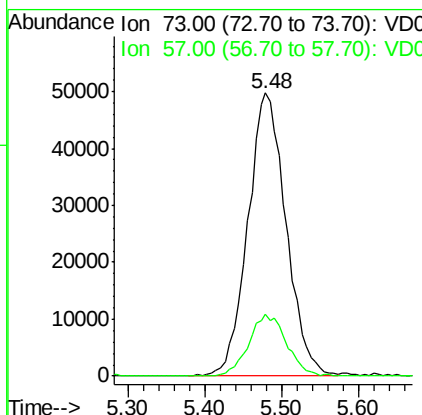
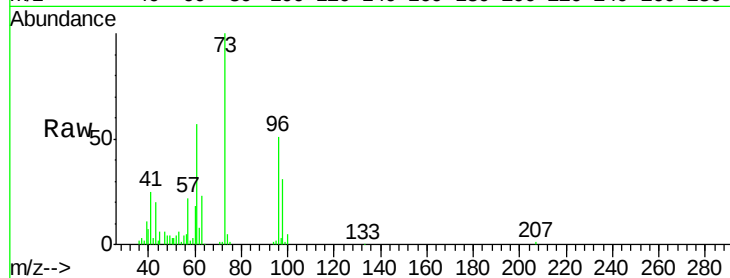


#19

Methyl tert-butyl Ether
 Concen: 20.961 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

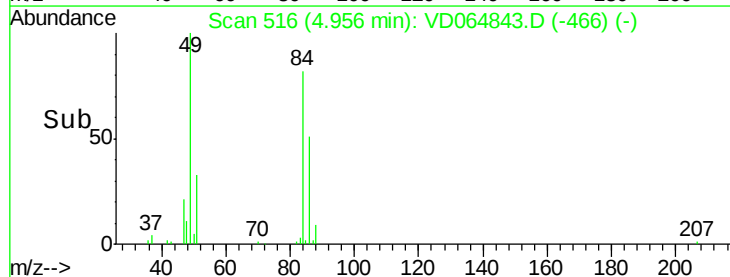
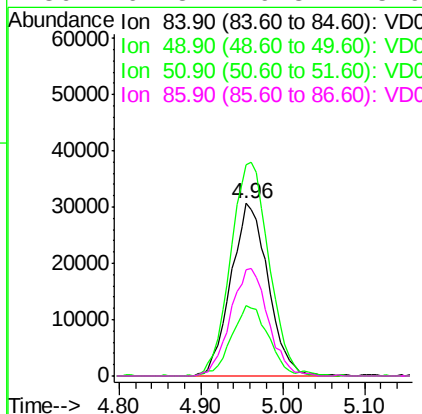
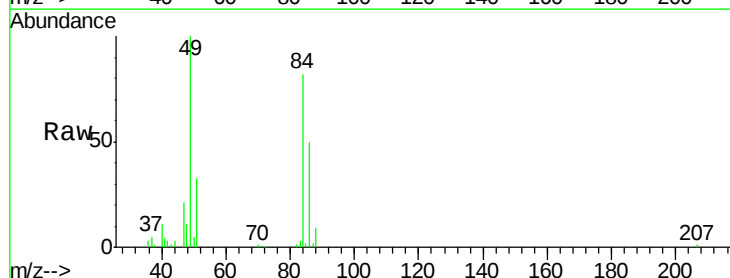
Tgt Ion: 73 Resp: 171981
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.6 27.8

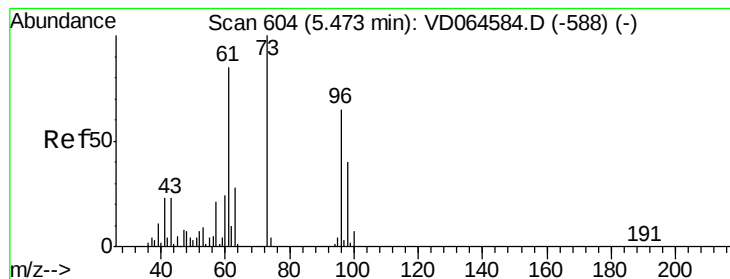


#20

Methylene Chloride
 Concen: 23.023 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 84 Resp: 97161
 Ion Ratio Lower Upper
 84 100
 49 121.8 97.2 145.8
 51 40.5 31.4 47.0
 86 61.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.485 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

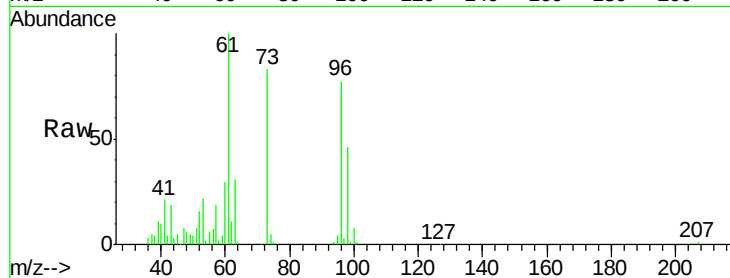
Tgt Ion: 96 Resp: 90382

Ion Ratio Lower Upper

96 100

61 129.6 104.7 157.1

98 59.8 49.4 74.2

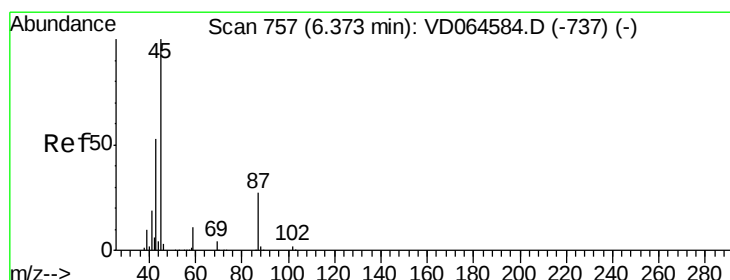
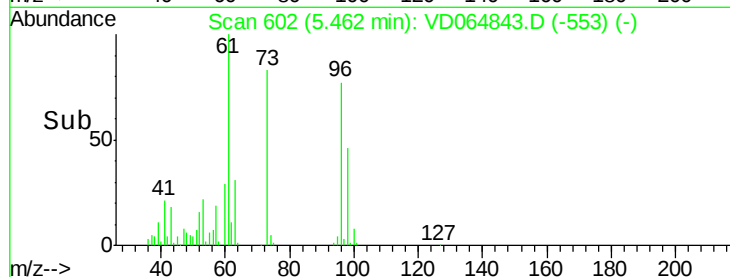
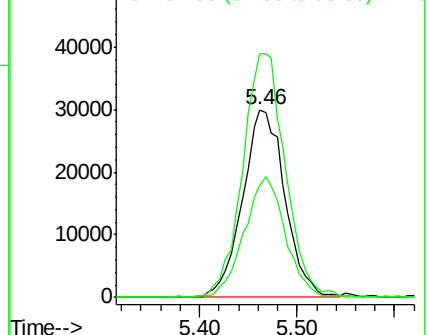


Abundance

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: 21.761 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Tgt Ion: 45 Resp: 249977

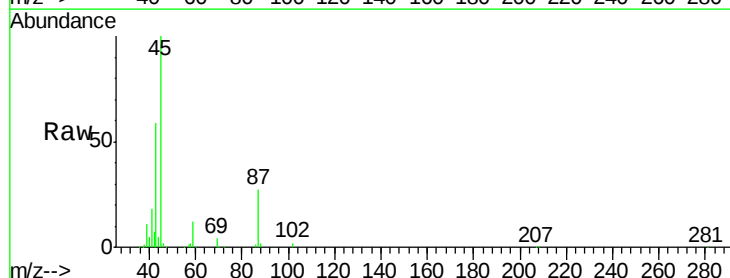
Ion Ratio Lower Upper

45 100

43 57.5 43.2 64.8

87 27.3 21.9 32.9

59 11.9 9.0 13.4



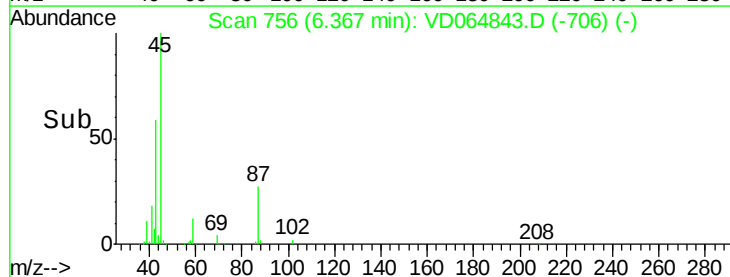
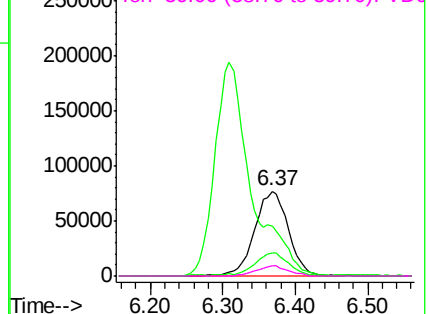
Abundance

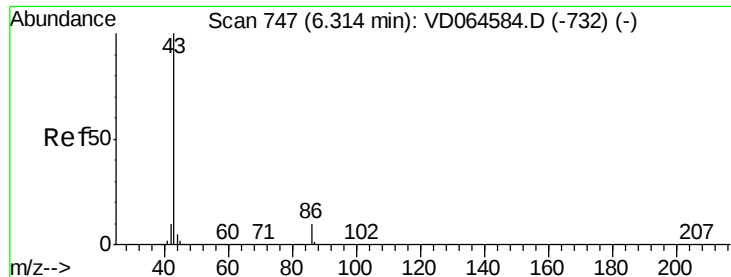
Ion 45.00 (44.70 to 45.70): VDC

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: 104.076 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

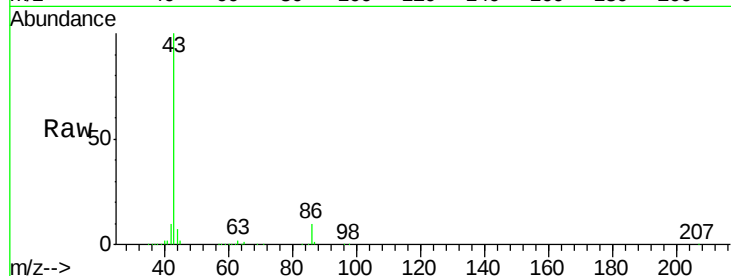
VD0113SBS01

Tgt Ion: 43 Resp: 678203

Ion Ratio Lower Upper

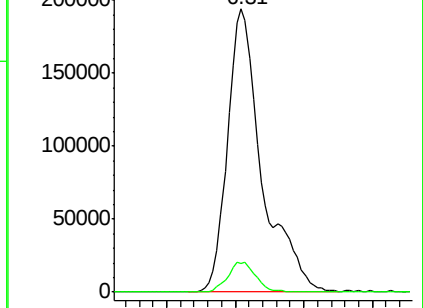
43 100

86 10.0 8.3 12.5

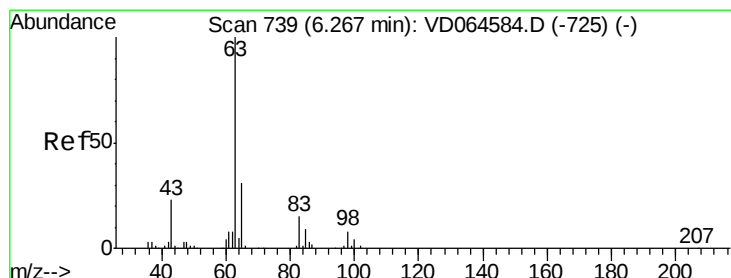
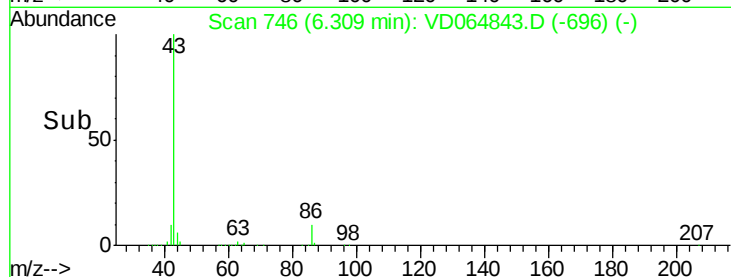


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 22.250 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

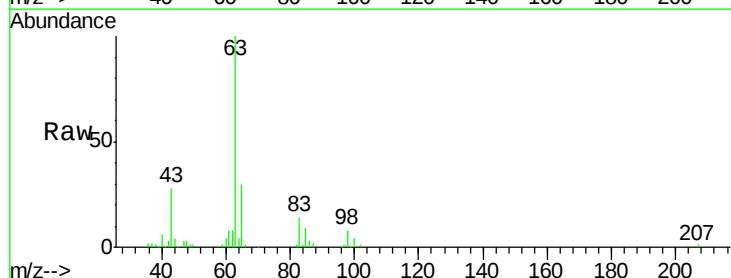
Tgt Ion: 63 Resp: 153443

Ion Ratio Lower Upper

63 100

98 8.4 4.1 12.3

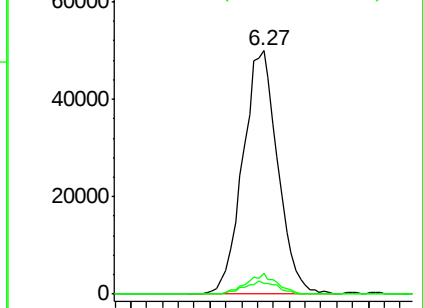
100 4.3 2.2 6.6



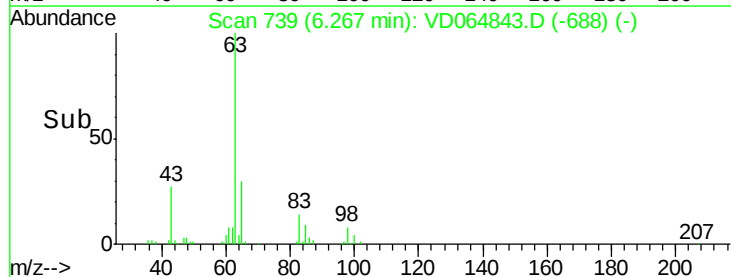
Abundance Ion 62.90 (62.60 to 63.60): VDC

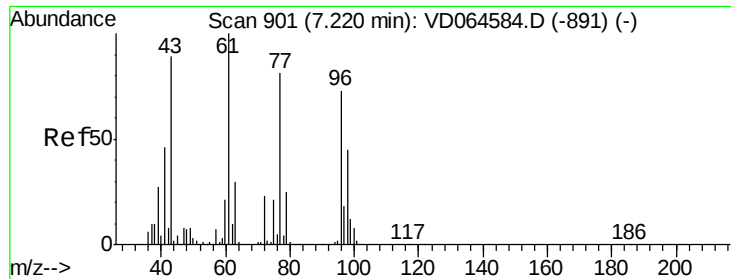
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->

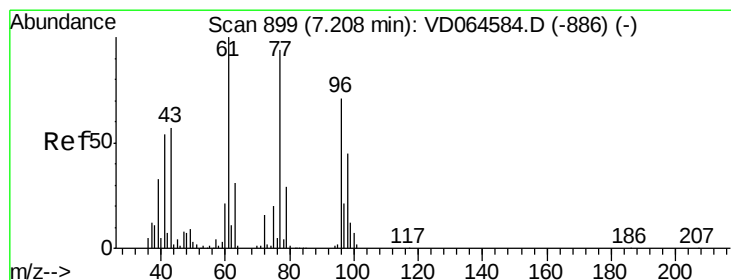
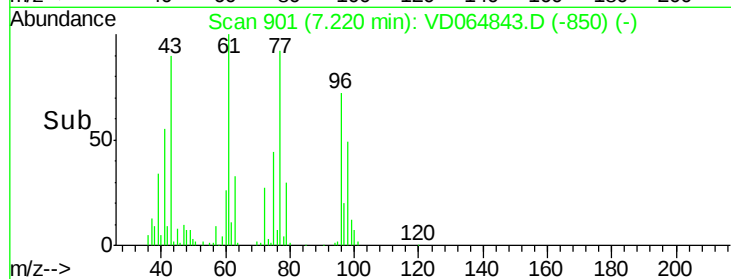
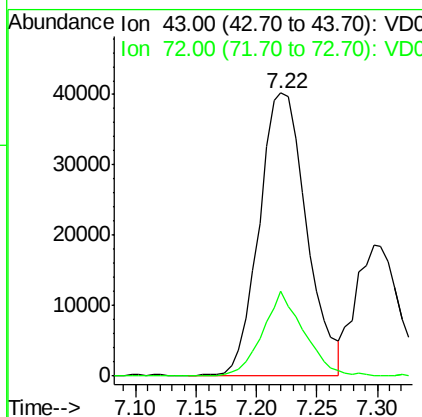
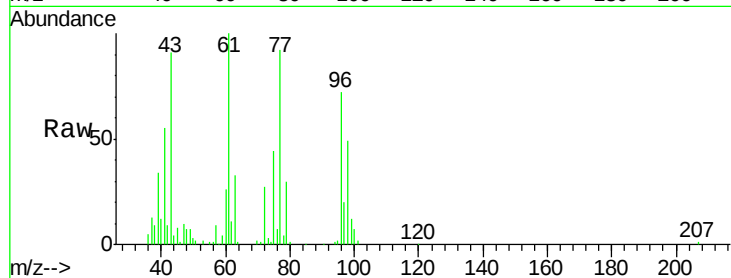




#25
2-Butanone
Concen: 107.707 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

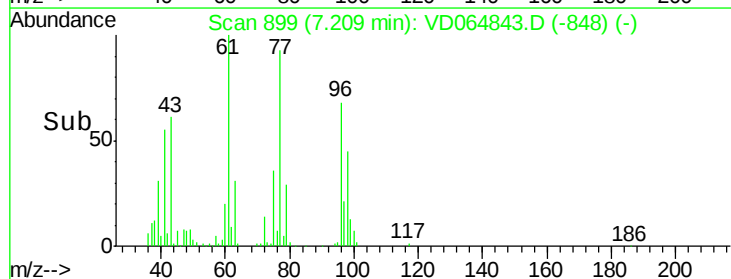
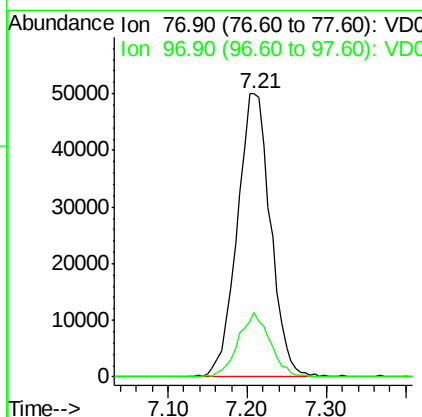
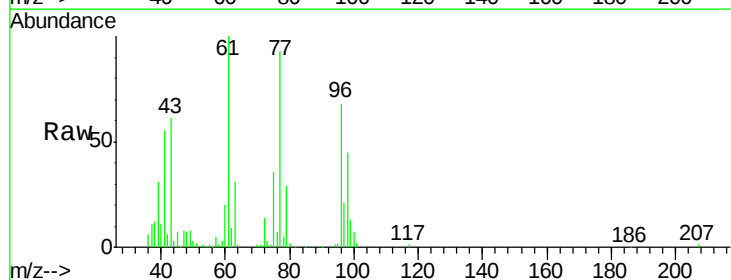
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

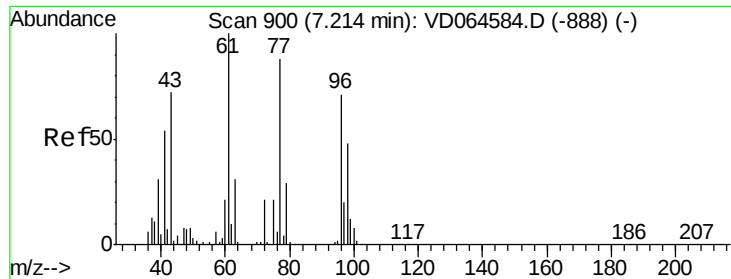
Tgt Ion: 43 Resp: 109612
Ion Ratio Lower Upper
43 100
72 29.8 20.7 31.1



#26
2,2-Dichloropropane
Concen: 22.742 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 77 Resp: 145820
Ion Ratio Lower Upper
77 100
97 21.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.724 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

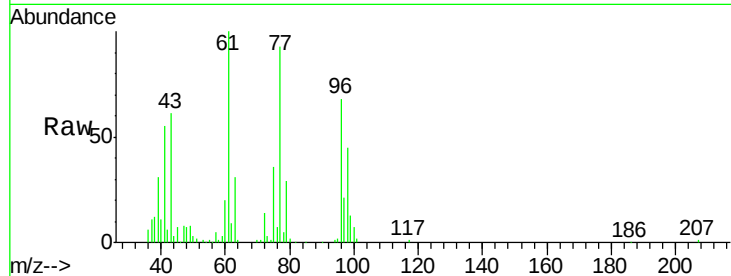
Tgt Ion: 96 Resp: 98630

Ion Ratio Lower Upper

96 100

61 143.0 0.0 282.6

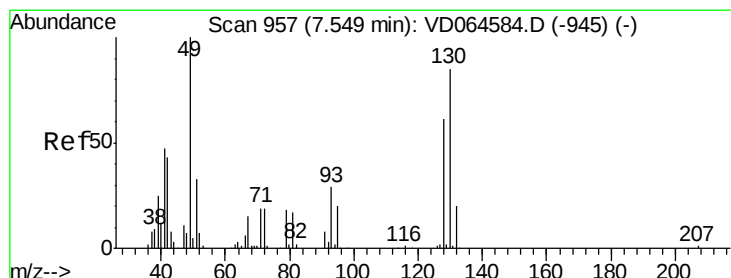
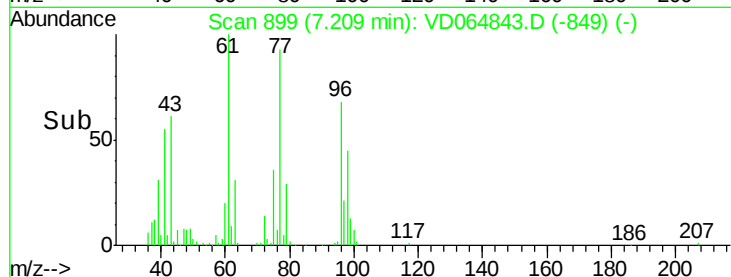
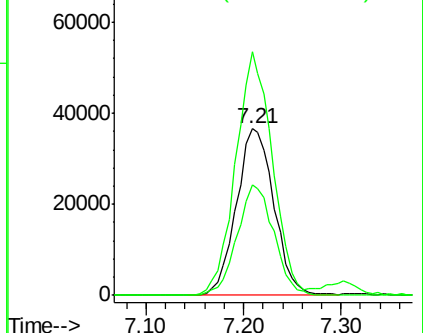
98 64.5 0.0 130.8



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: 20.391 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

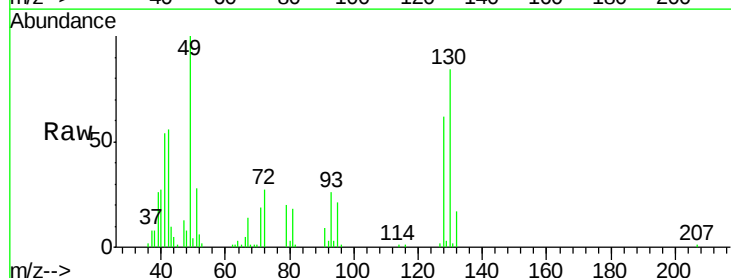
Tgt Ion: 49 Resp: 54664

Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.8

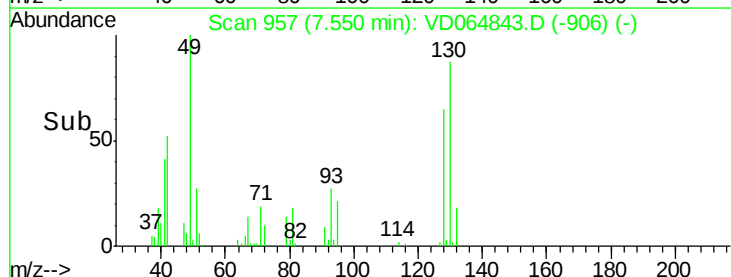
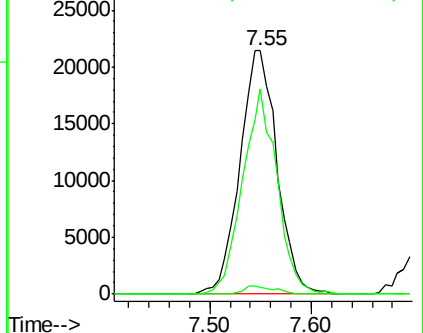
130 78.0 65.0 97.6

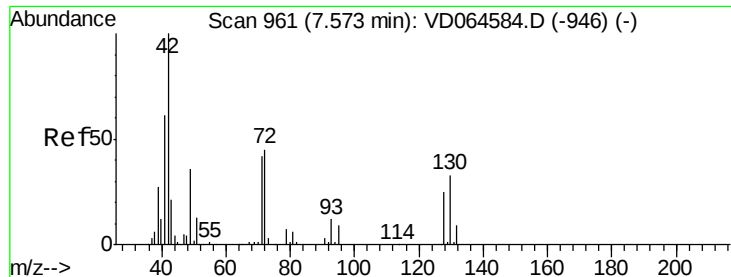


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

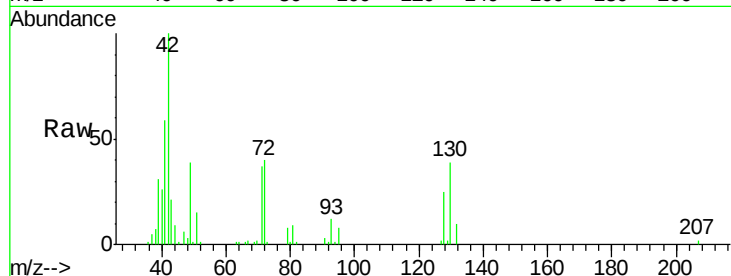




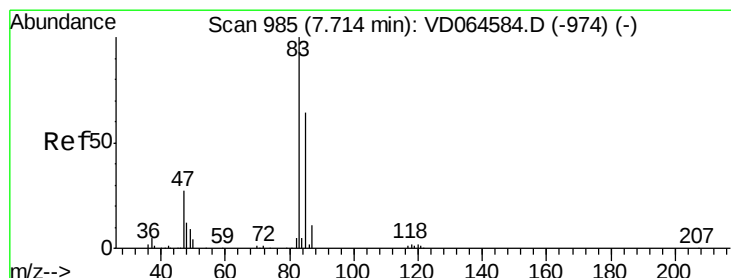
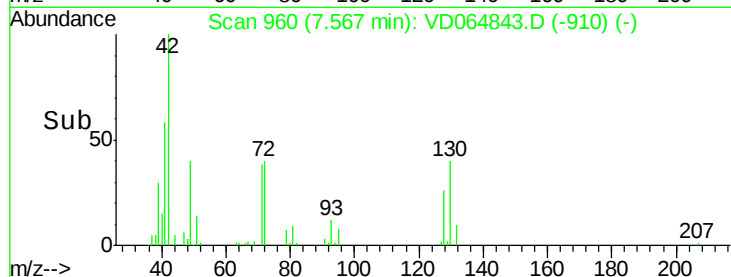
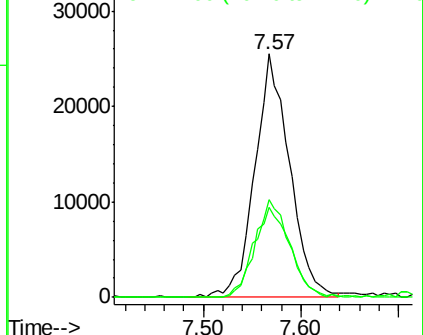
#29
Tetrahydrofuran
Concen: 100.800 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion: 42 Resp: 63794
Ion Ratio Lower Upper
42 100
72 40.5 35.0 52.4
71 37.9 32.9 49.3

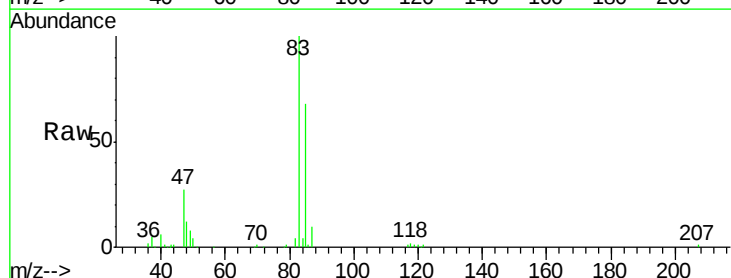


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

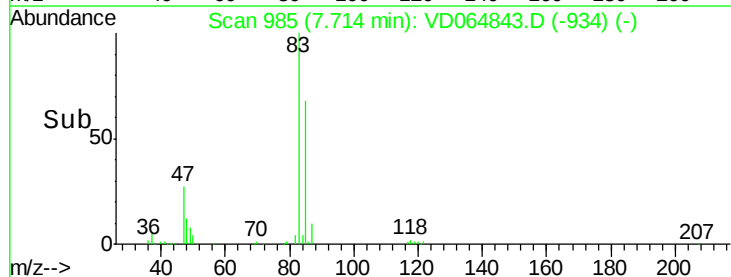
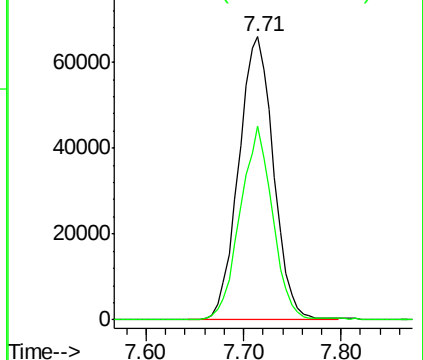


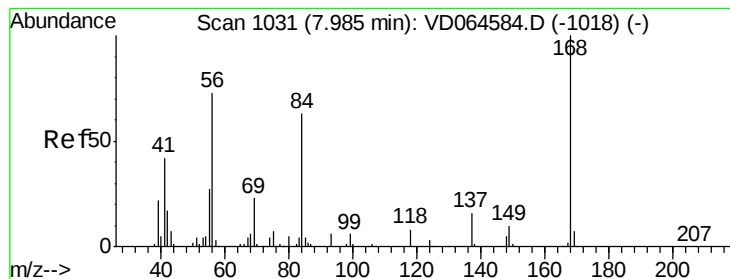
#30
Chloroform
Concen: 22.751 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 83 Resp: 164610
Ion Ratio Lower Upper
83 100
85 68.3 51.1 76.7



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





#31

Cyclohexane

Concen: 20.994 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

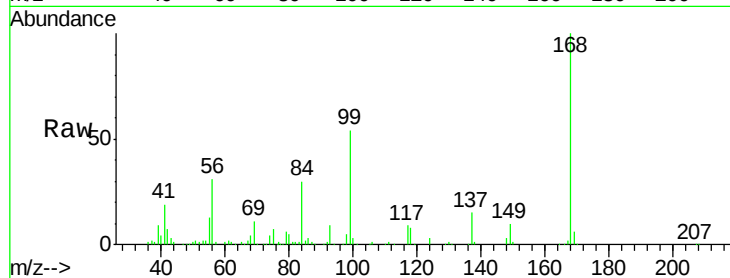
Tgt Ion: 56 Resp: 144924

Ion Ratio Lower Upper

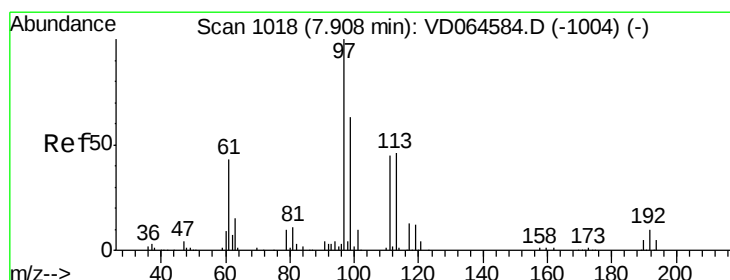
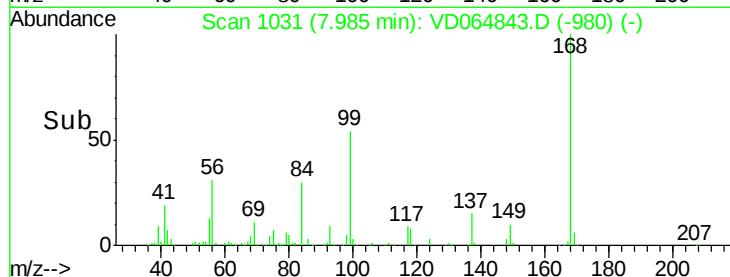
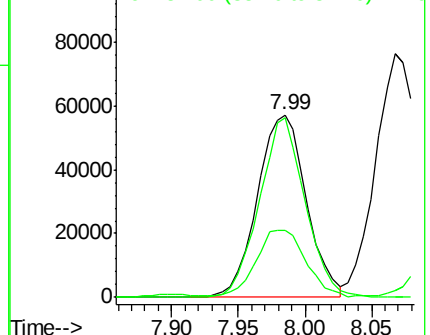
56 100

69 36.7 24.7 37.1

84 96.9 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 22.299 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

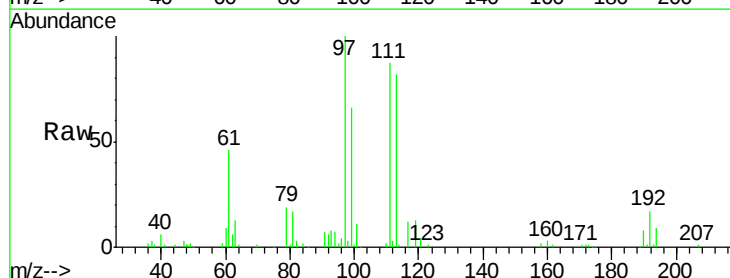
Tgt Ion: 97 Resp: 151545

Ion Ratio Lower Upper

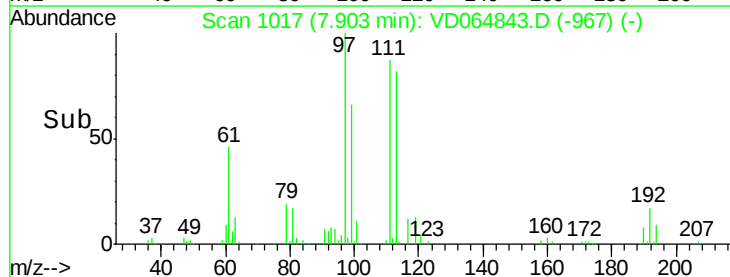
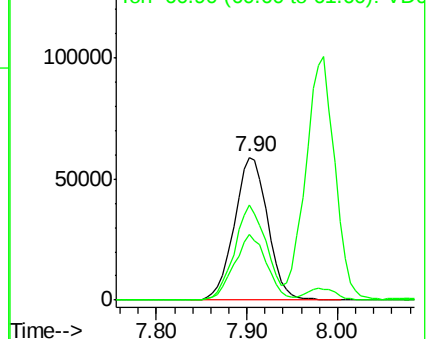
97 100

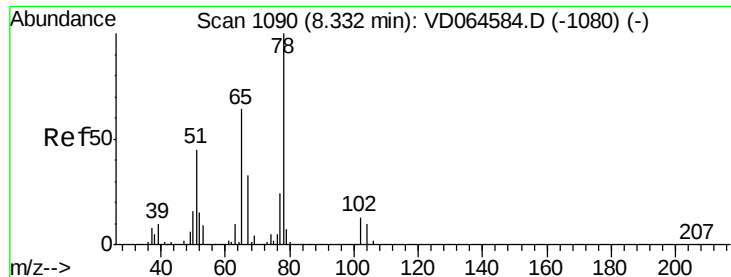
99 63.0 51.0 76.6

61 45.1 35.4 53.0



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

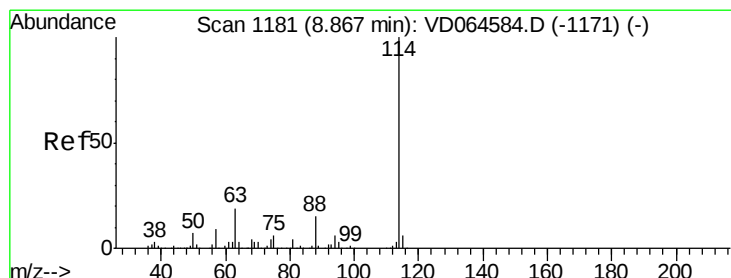
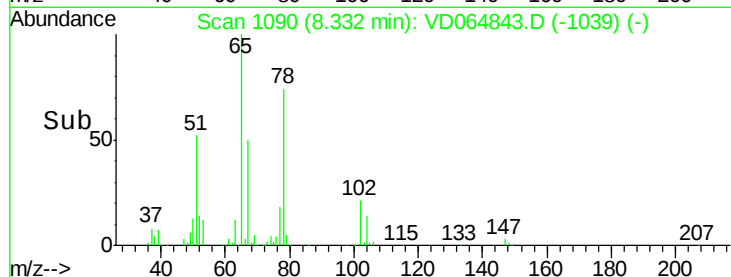
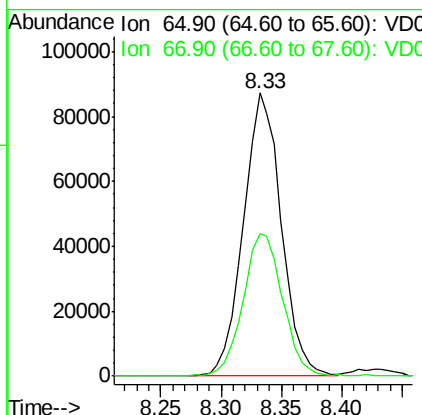
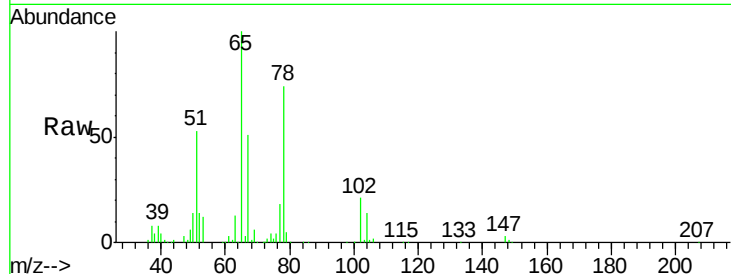




#33
 1,2-Dichloroethane-d4
 Concen: 51.632 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

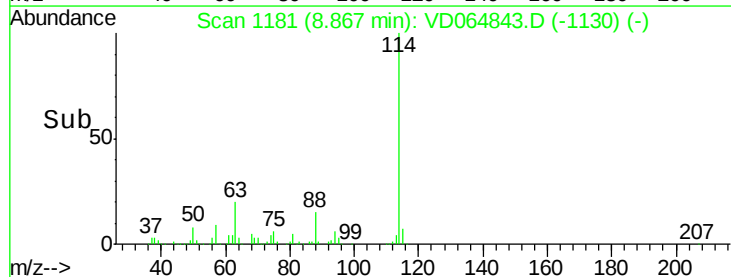
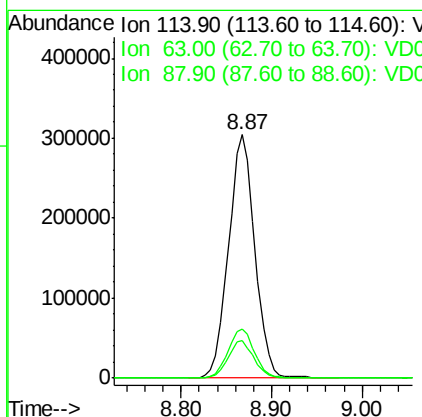
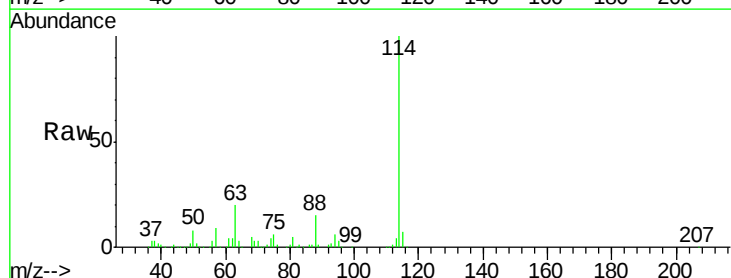
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tgt Ion: 65 Resp: 191159
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 114 Resp: 614819
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 15.3 0.0 29.2

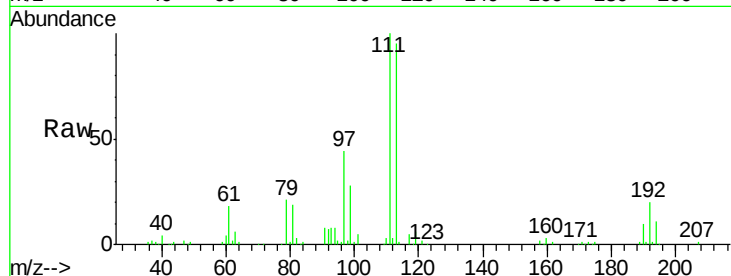




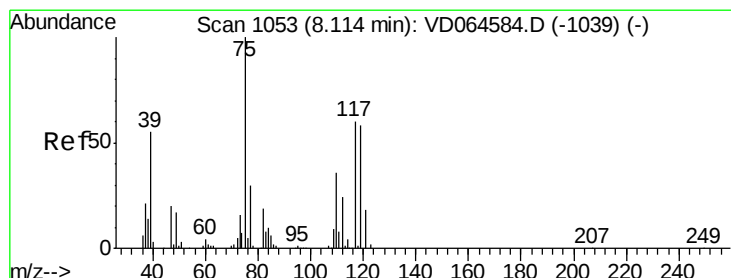
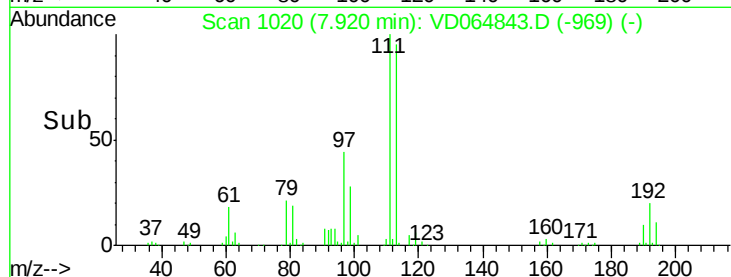
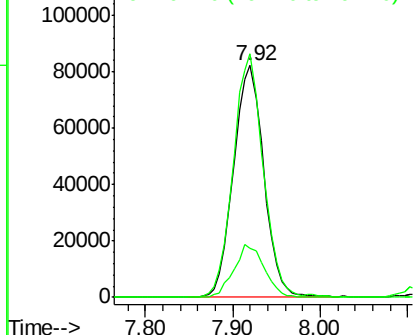
#35
 Dibromofluoromethane
 Concen: 51.246 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	22.7	17.9	26.9

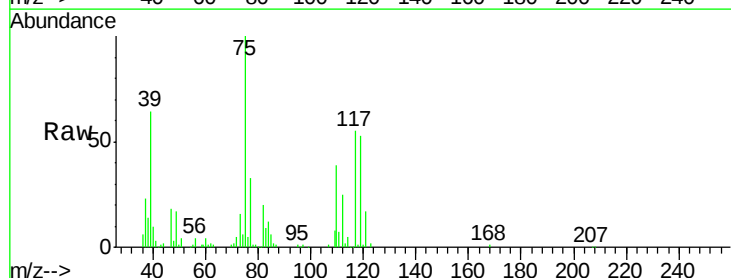


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

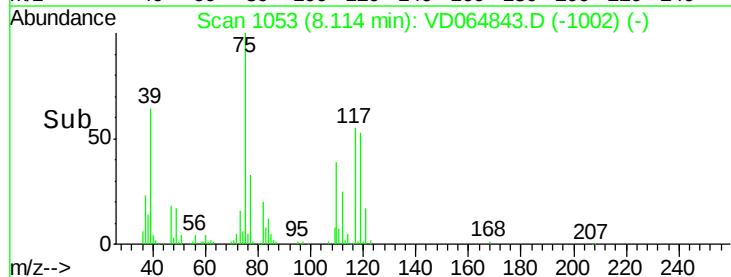
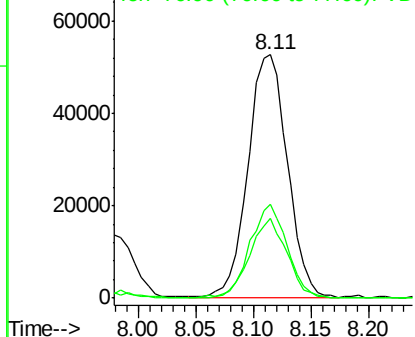


#36
 1,1-Dichloropropene
 Concen: 21.151 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.1
77	31.3	24.2	36.4



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

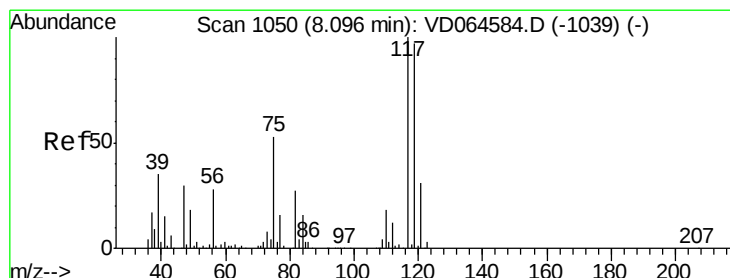
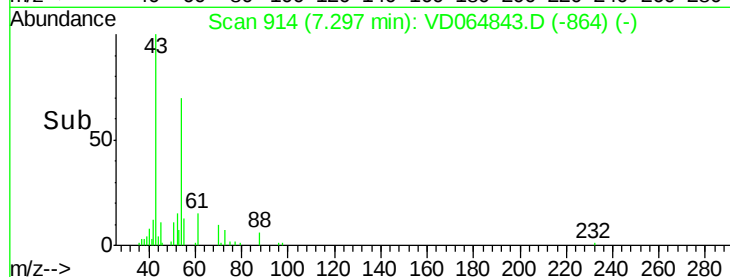
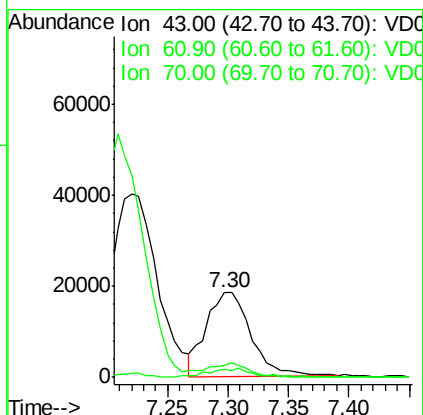
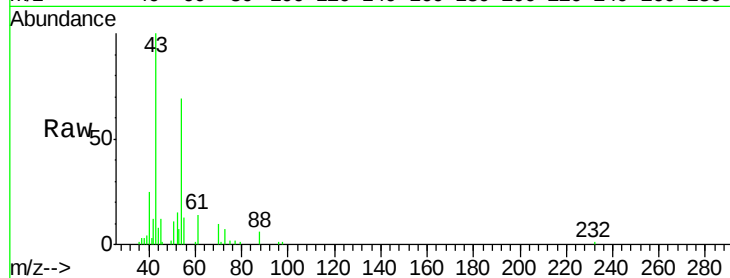




#37
Ethyl Acetate
Concen: 20.102 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

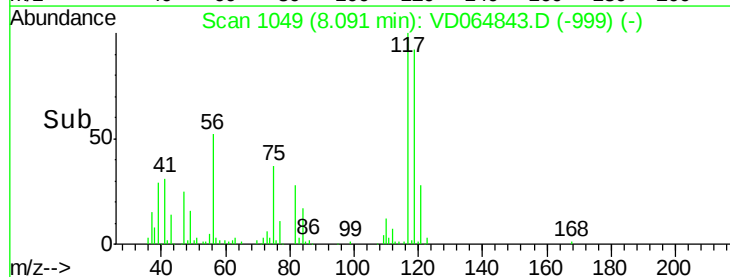
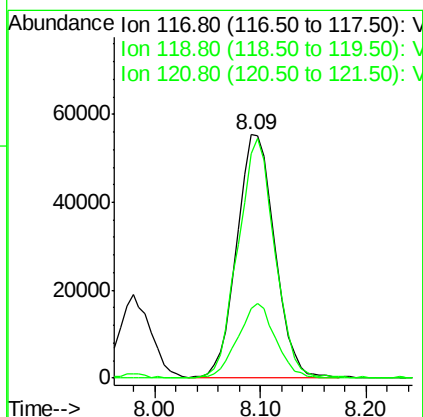
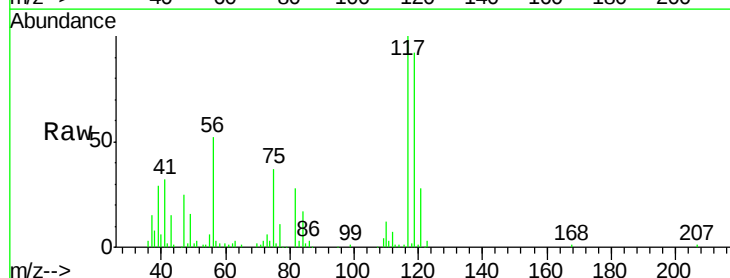
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion: 43 Resp: 46731
Ion Ratio Lower Upper
43 100
61 14.7 10.3 15.5
70 10.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.803 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 117 Resp: 137573
Ion Ratio Lower Upper
117 100
119 92.5 77.3 115.9
121 28.4 25.0 37.6

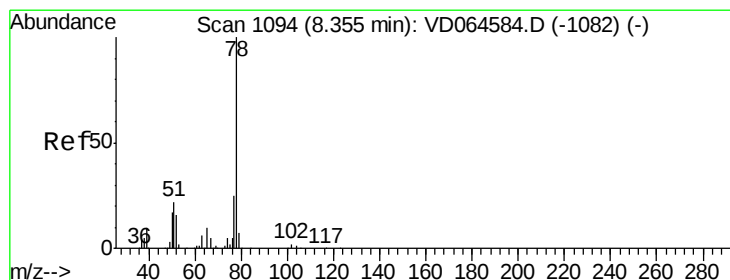
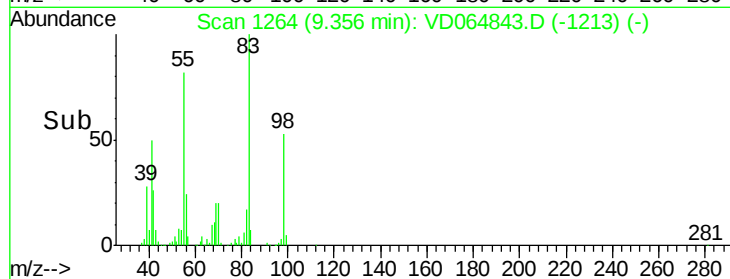
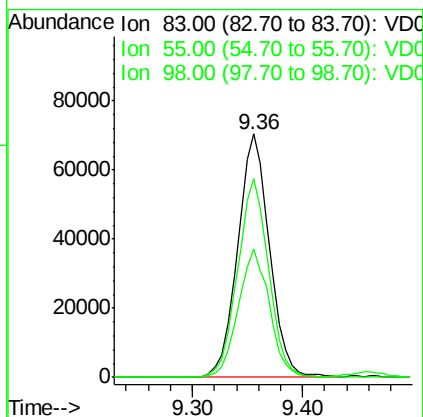
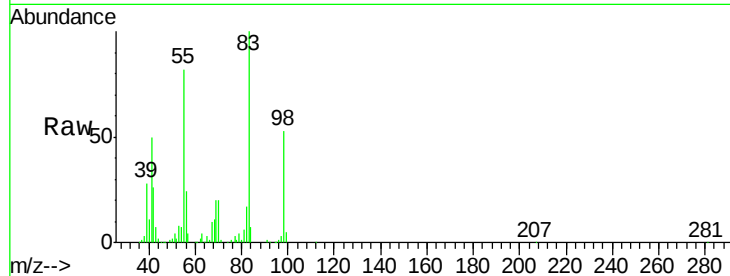




#39
Methylcyclohexane
Concen: 19.915 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

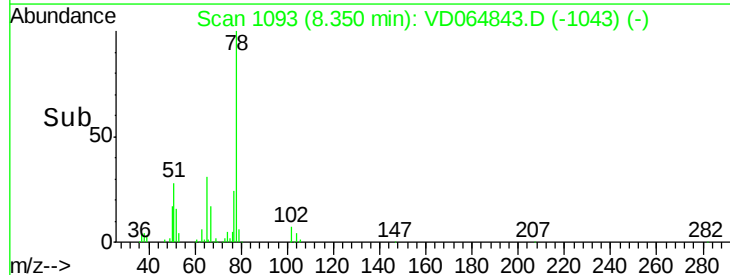
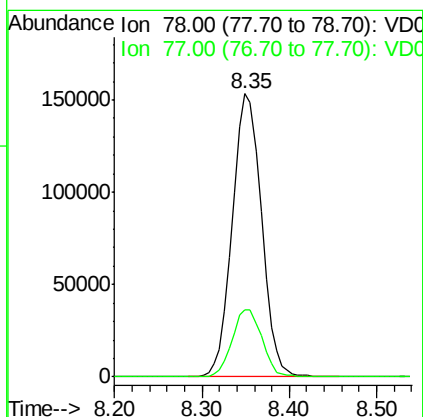
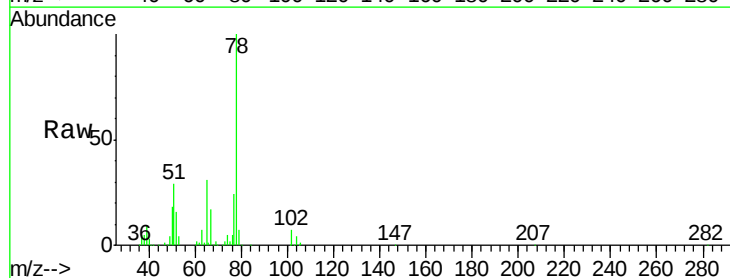
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

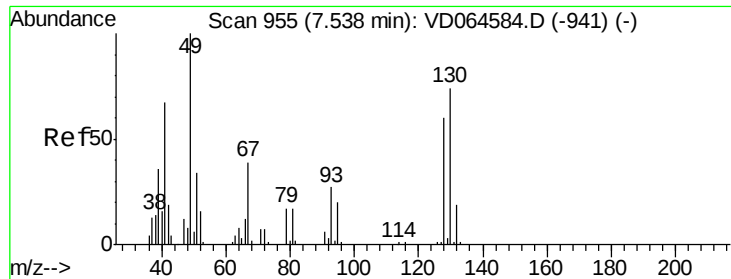
Tgt Ion: 83 Resp: 142737
Ion Ratio Lower Upper
83 100
55 81.6 57.8 86.6
98 52.9 38.7 58.1



#40
Benzene
Concen: 21.520 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 78 Resp: 347644
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9





#41

Methacrylonitrile

Concen: 19.994 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tgt Ion: 41 Resp: 26968

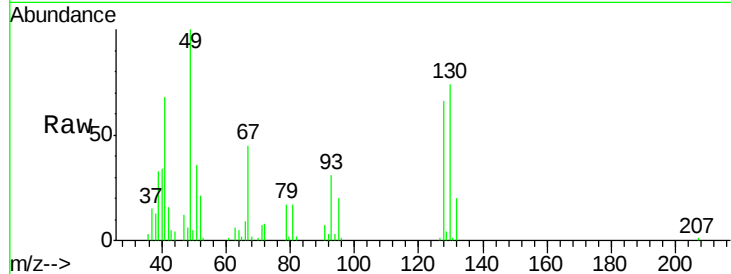
Ion Ratio Lower Upper

41 100

39 67.2 46.7 70.1

67 72.5 52.5 78.7

52 32.2 24.1 36.1

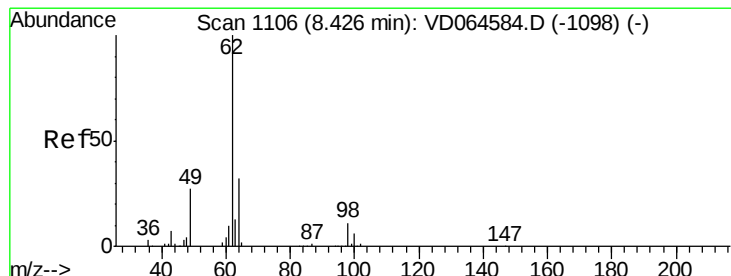
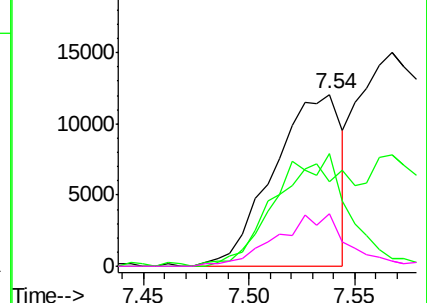
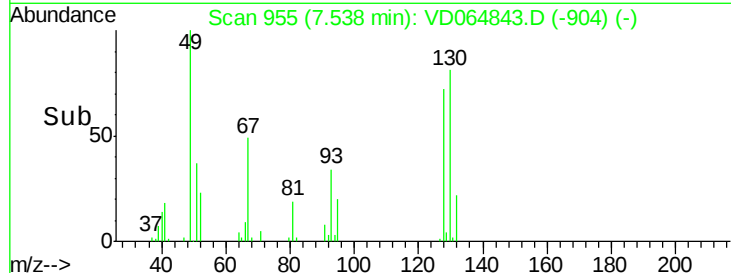


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.988 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064843.D

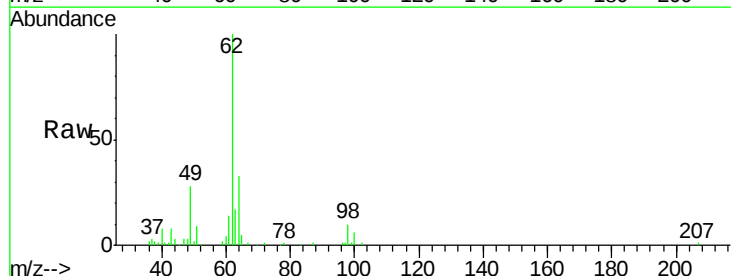
Acq: 13 Jan 2020 12:14

Tgt Ion: 62 Resp: 102646

Ion Ratio Lower Upper

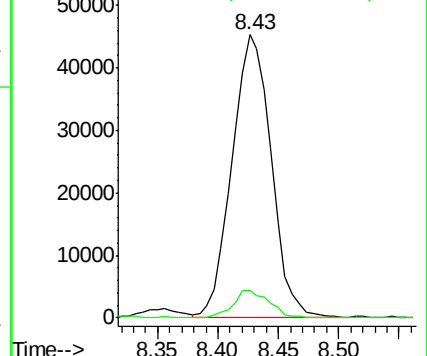
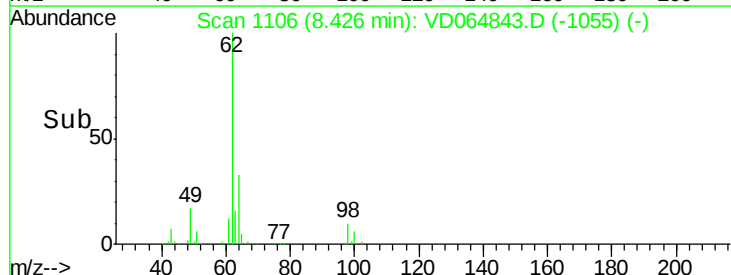
62 100

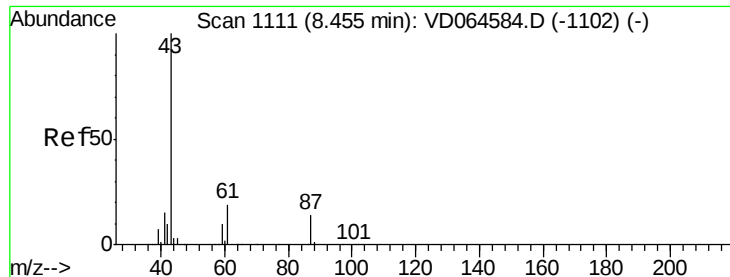
98 8.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.816 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

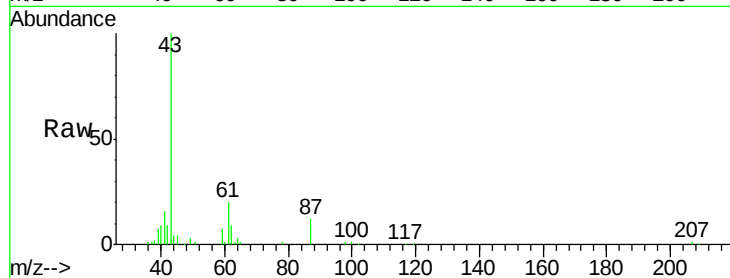
Tgt Ion: 43 Resp: 91691

Ion Ratio Lower Upper

43 100

61 31.7 23.7 35.5

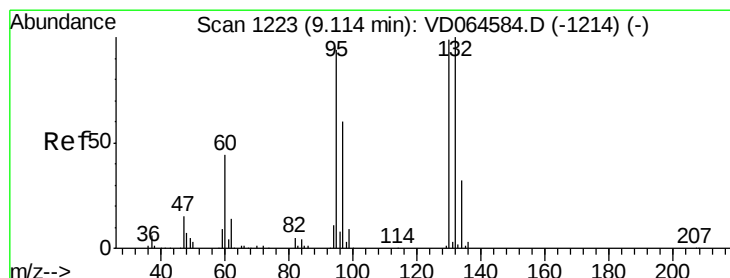
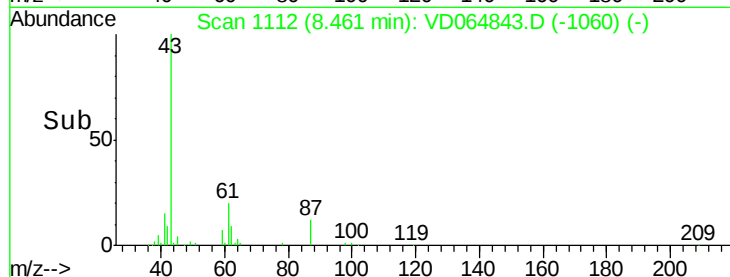
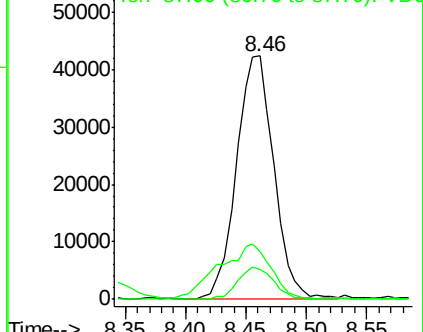
87 12.6 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.026 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064843.D

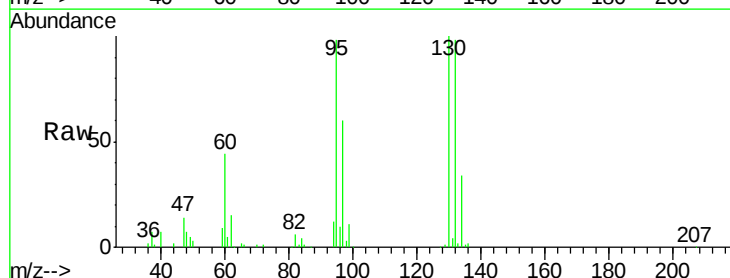
Acq: 13 Jan 2020 12:14

Tgt Ion: 130 Resp: 99784

Ion Ratio Lower Upper

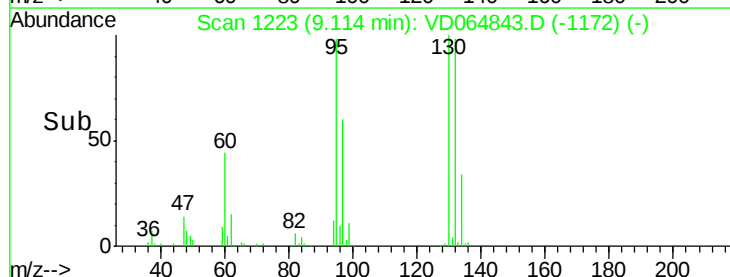
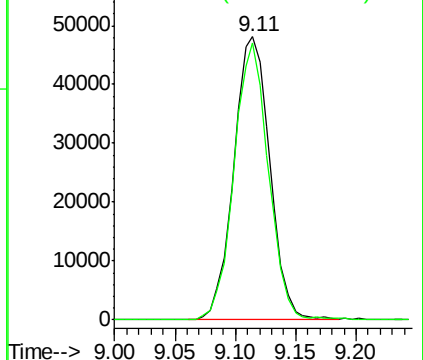
130 100

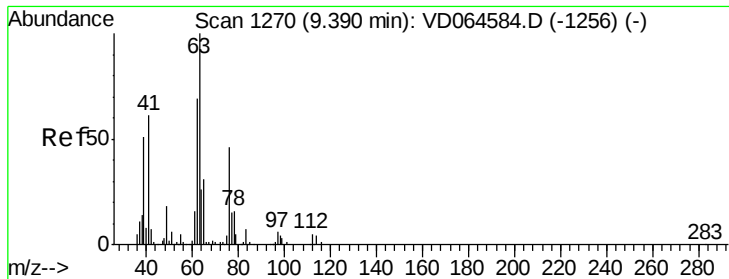
95 97.8 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.192 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

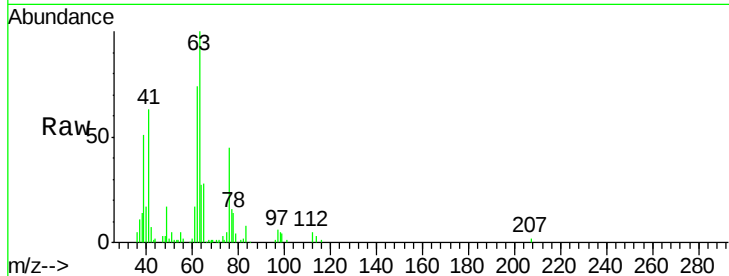
VD0113SBS01

Tgt Ion: 63 Resp: 85598

Ion Ratio Lower Upper

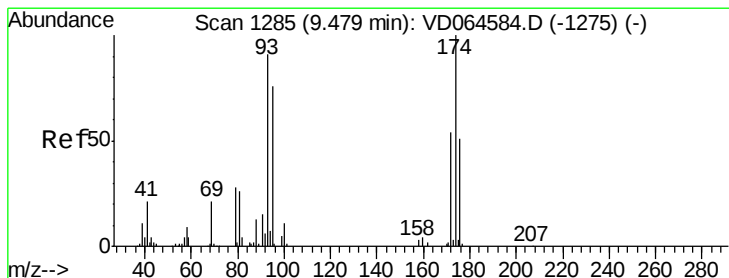
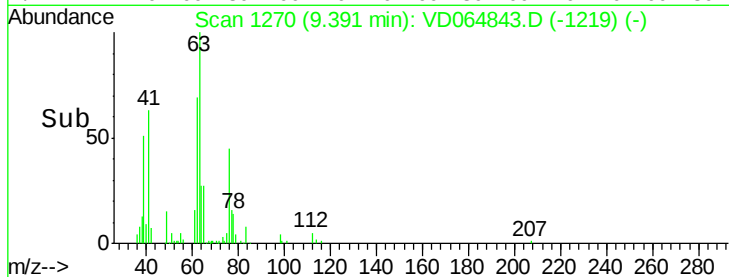
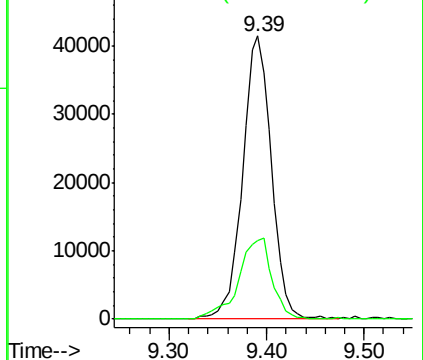
63 100

65 27.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.977 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

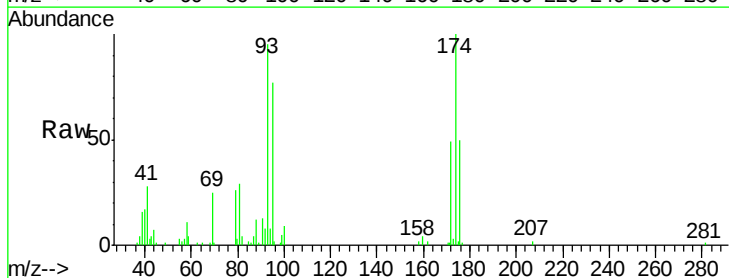
Tgt Ion: 93 Resp: 45111

Ion Ratio Lower Upper

93 100

95 84.1 64.6 97.0

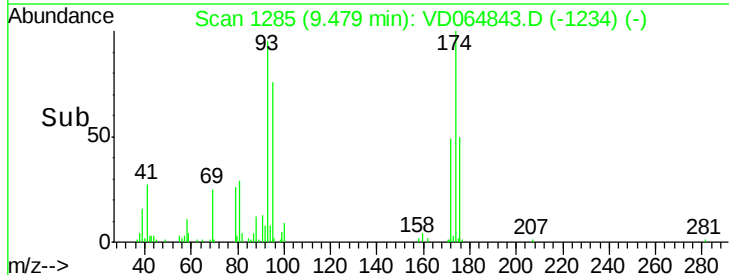
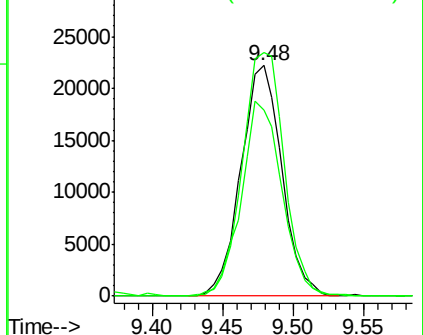
174 108.5 88.1 132.1

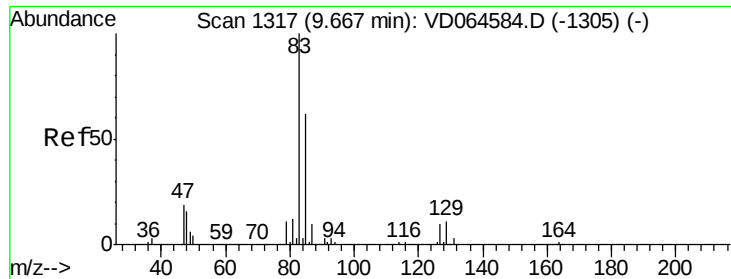


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

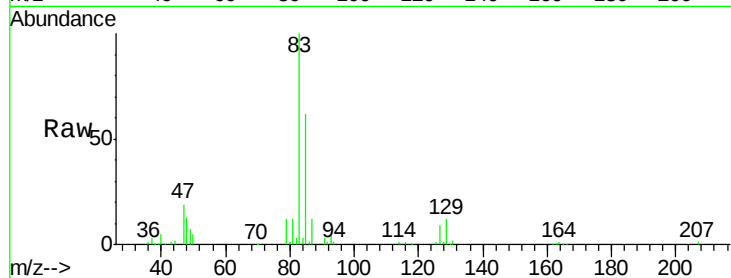




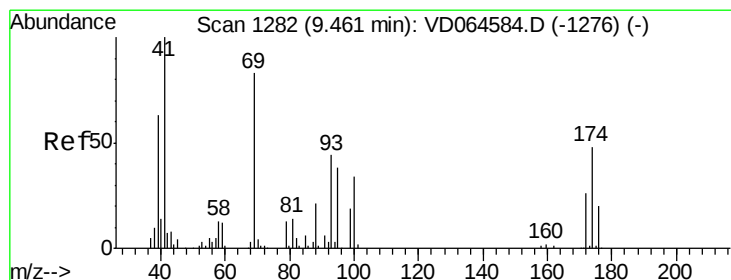
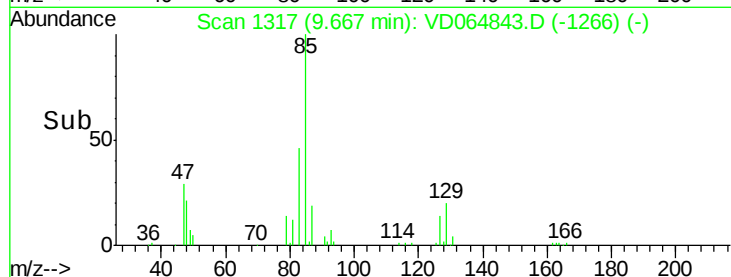
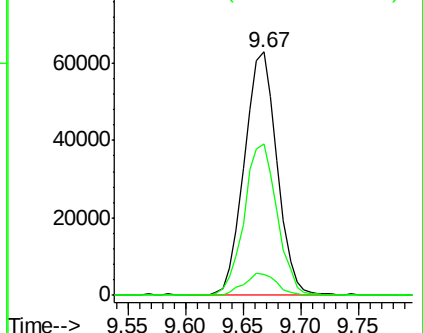
#47
Bromodichloromethane
Concen: 21.719 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion: 83 Resp: 124280
Ion Ratio Lower Upper
83 100
85 62.3 49.5 74.3
127 8.8 7.8 11.6

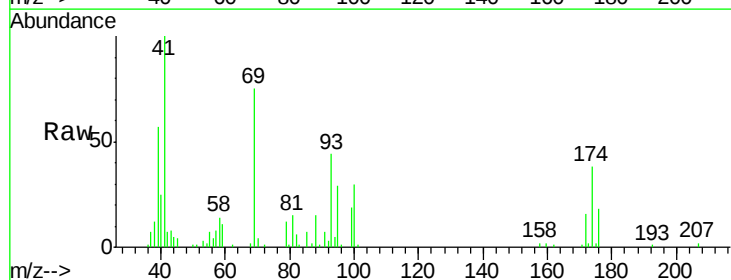


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

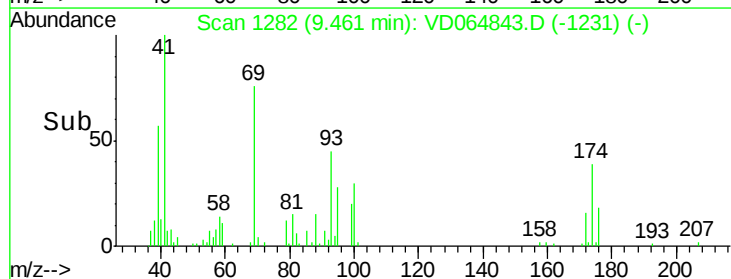
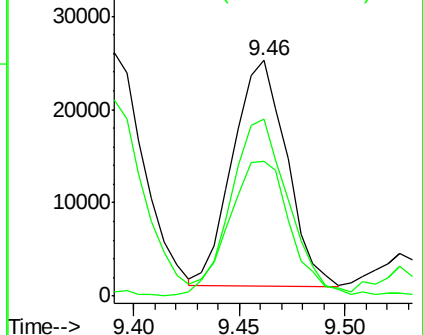


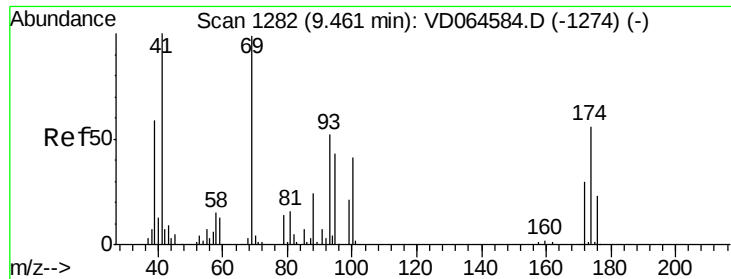
#48
Methyl methacrylate
Concen: 19.612 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 41 Resp: 42729
Ion Ratio Lower Upper
41 100
69 84.6 63.0 94.6
39 63.7 47.4 71.2



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

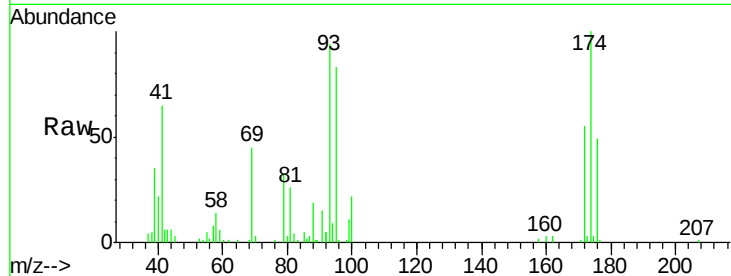




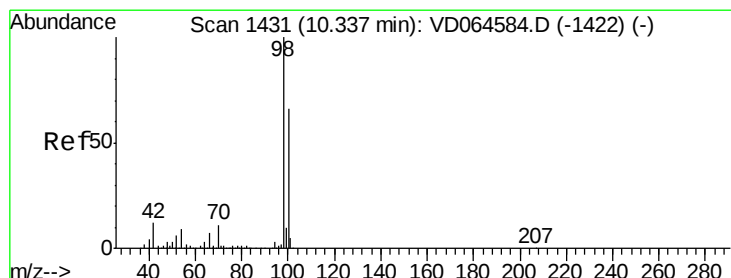
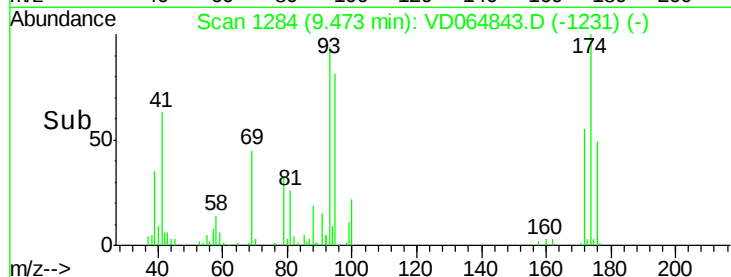
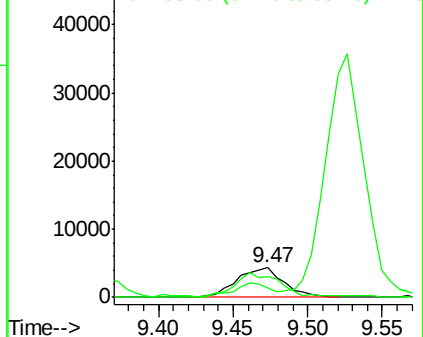
#49
 1,4-Dioxane
 Concen: 380.542 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tgt Ion: 88 Resp: 9436
 Ion Ratio Lower Upper
 88 100
 43 36.9 27.7 41.5
 58 85.2 53.8 80.6#

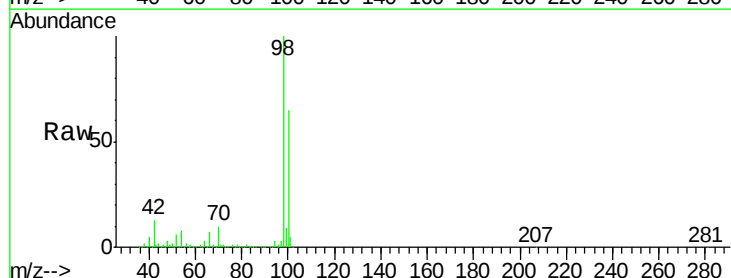


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

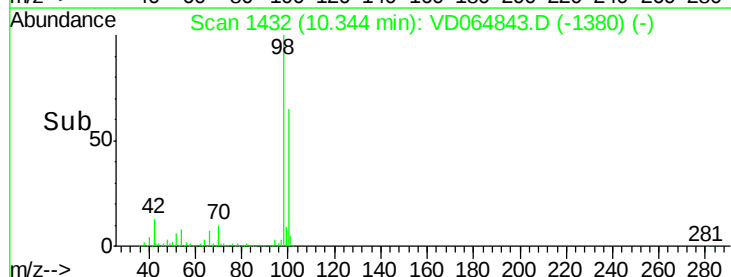
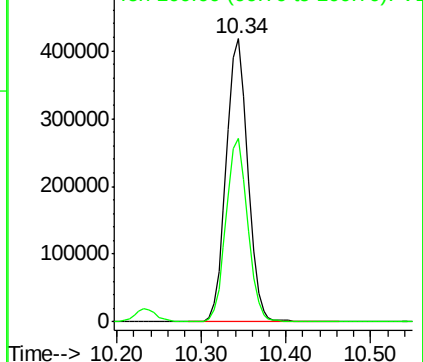


#50
 Toluene-d8
 Concen: 51.071 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 98 Resp: 737799
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5



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

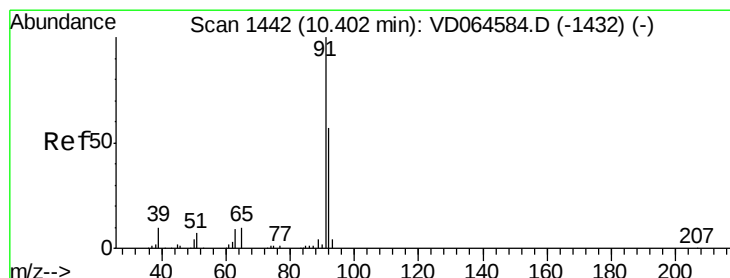
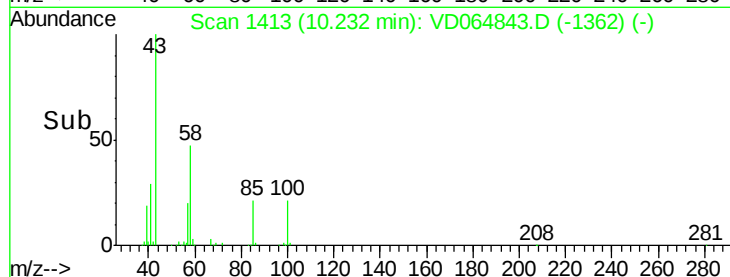
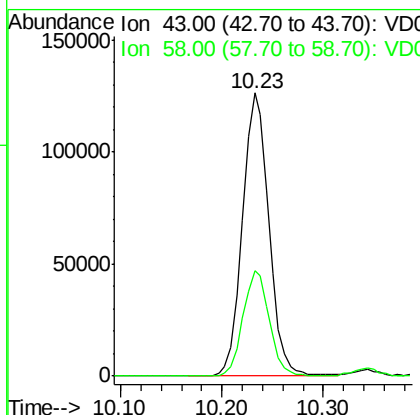
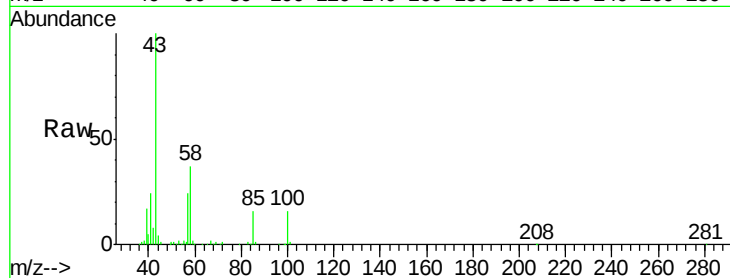




#51
4-Methyl-2-Pentanone
Concen: 99.993 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

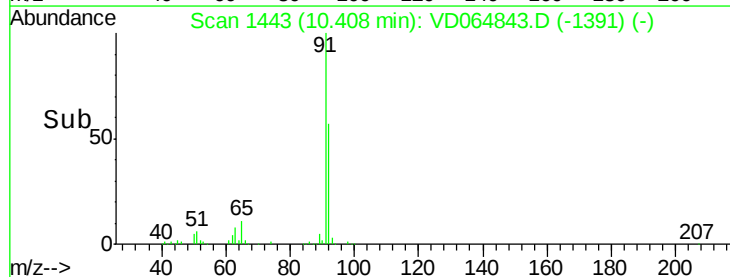
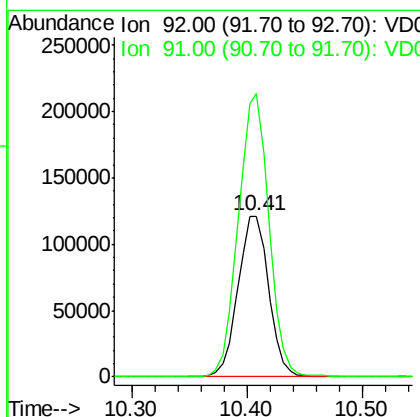
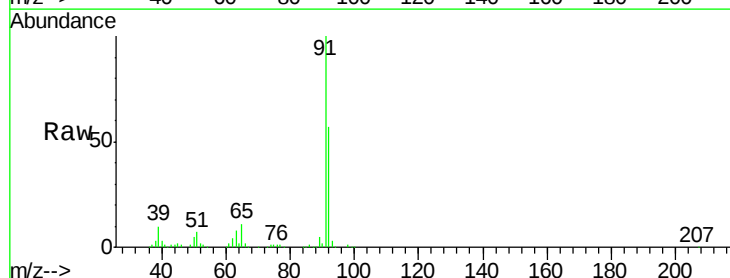
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

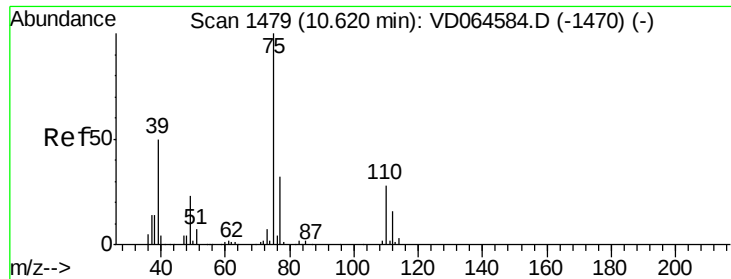
Tgt Ion: 43 Resp: 228697
Ion Ratio Lower Upper
43 100
58 37.1 30.2 45.2



#52
Toluene
Concen: 21.204 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 92 Resp: 224728
Ion Ratio Lower Upper
92 100
91 174.5 138.7 208.1

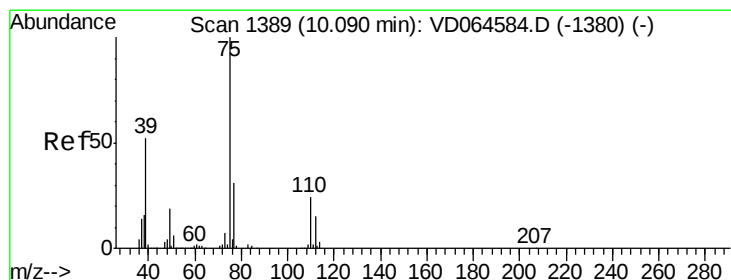
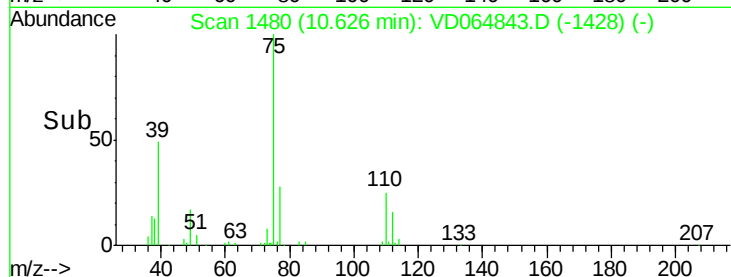
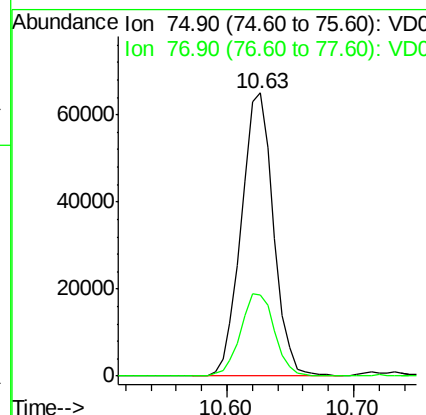
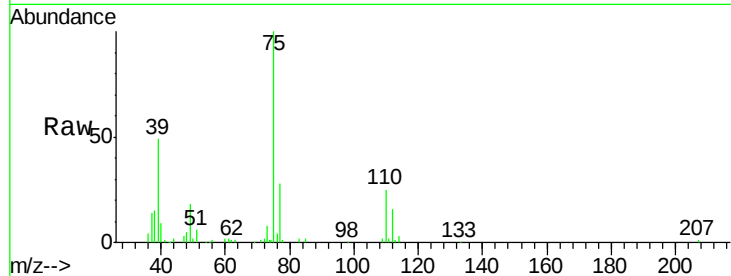




#53
t-1,3-Dichloropropene
Concen: 21.467 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

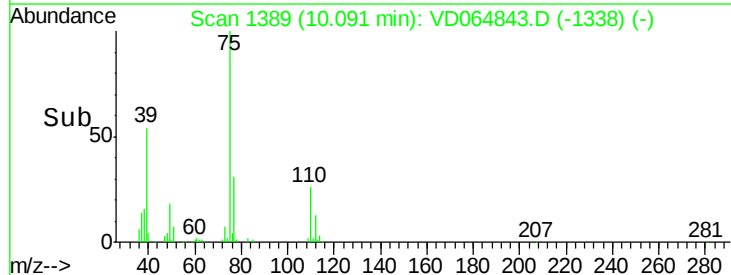
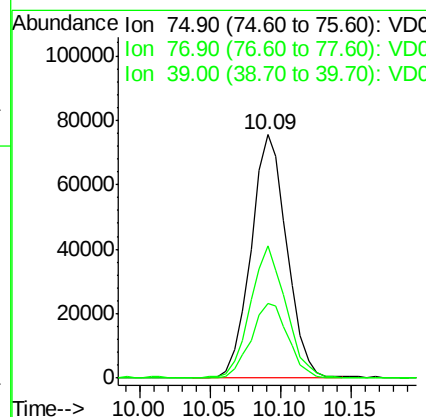
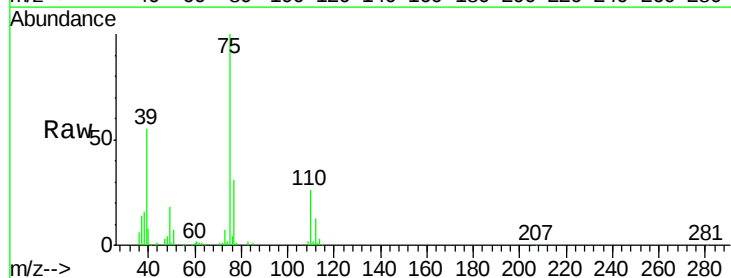
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

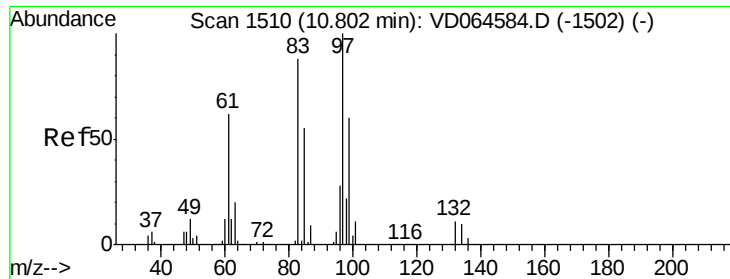
Tgt Ion: 75 Resp: 114526
Ion Ratio Lower Upper
75 100
77 28.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.378 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 75 Resp: 134486
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 54.1 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.503 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tgt Ion: 97 Resp: 59420

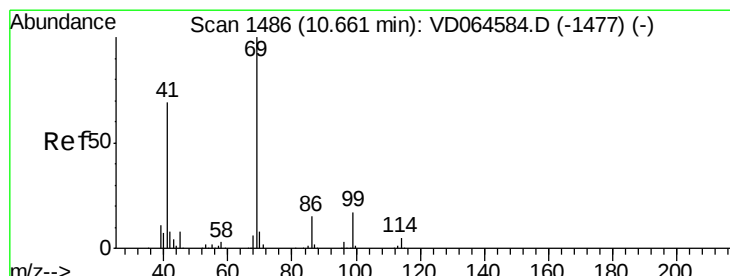
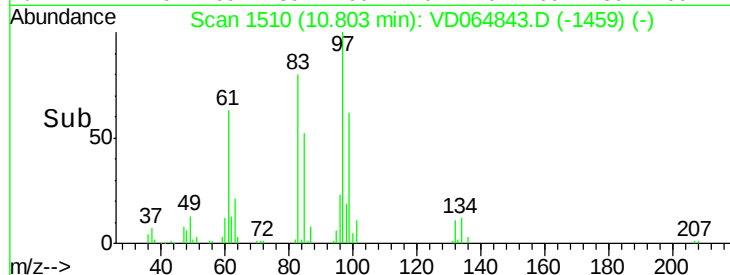
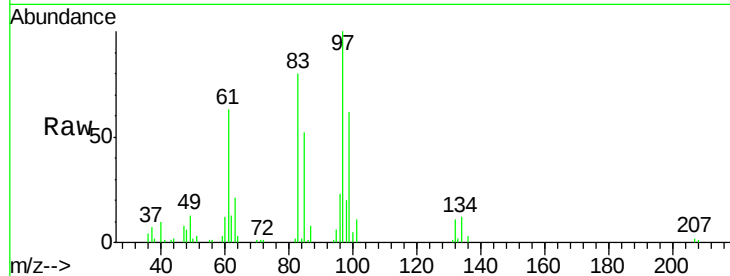
Ion	Ratio	Lower	Upper
97	100		
83	79.5	70.2	105.4
85	52.5	44.0	66.0
99	61.7	47.8	71.6

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: 19.440 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

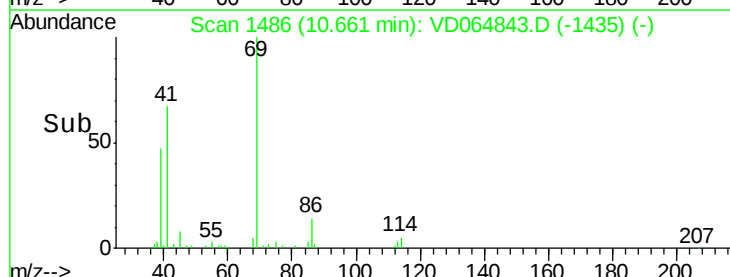
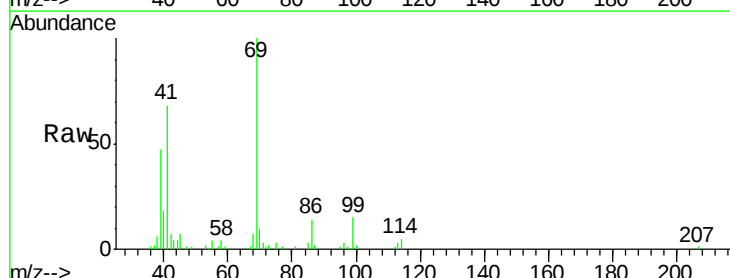
Tgt Ion: 69 Resp: 70362

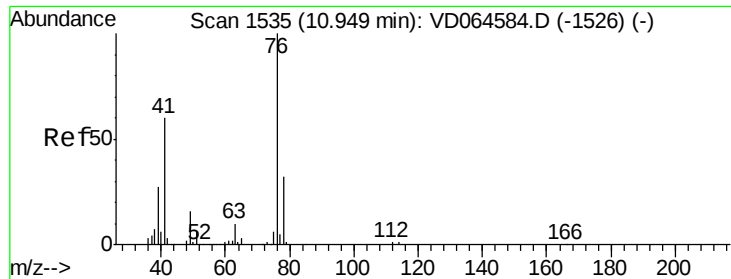
Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.3	82.9
39	39.5	33.8	50.8

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

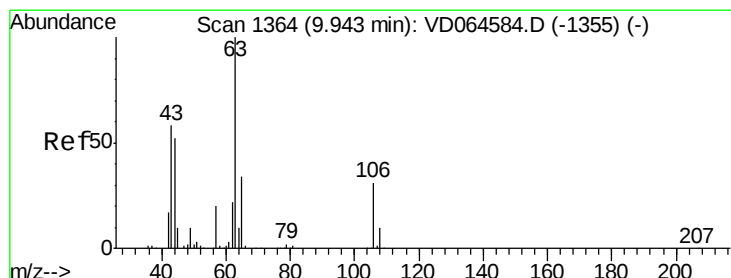
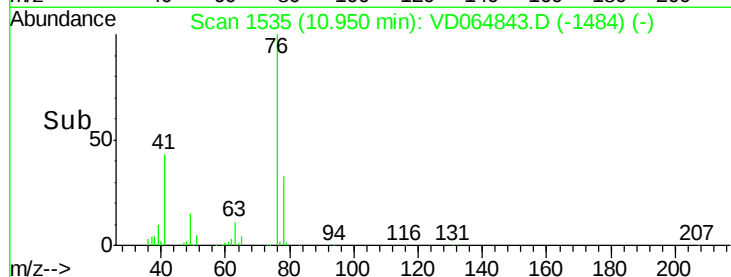
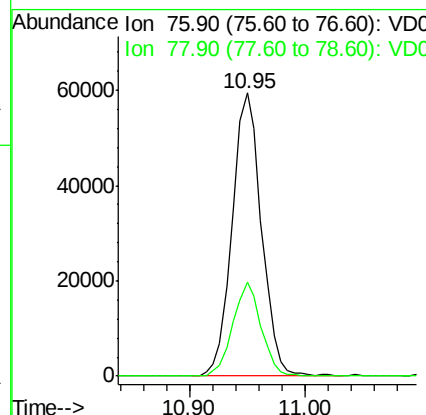
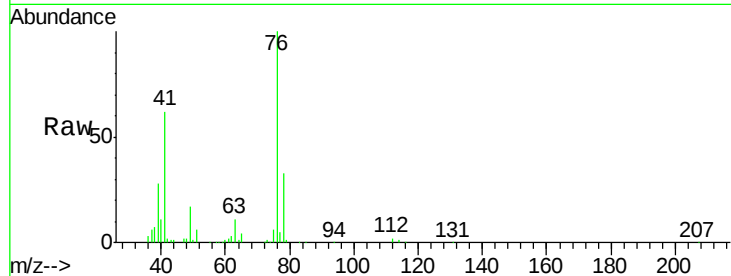




#57
 1,3-Dichloropropane
 Concen: 20.959 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

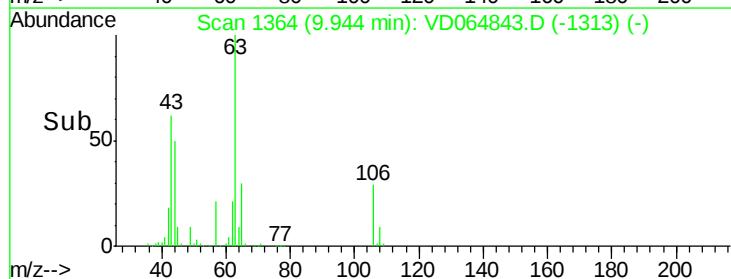
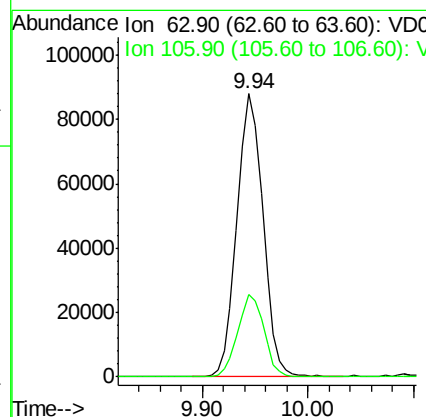
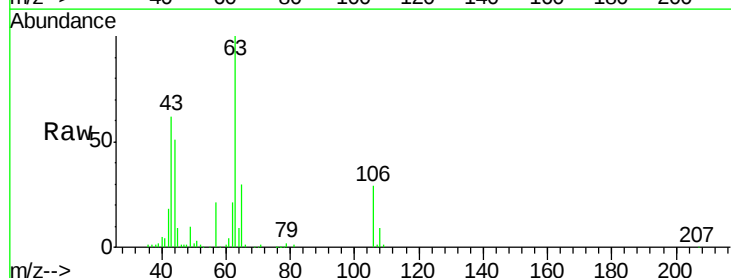
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

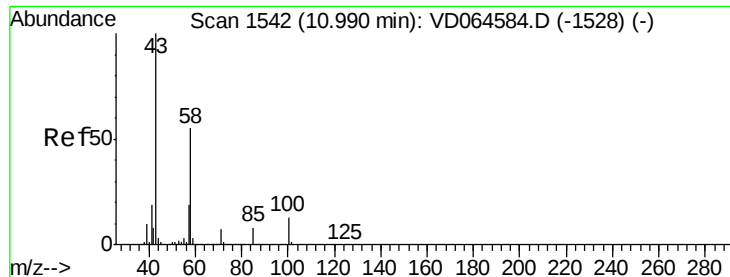
Tgt Ion: 76 Resp: 104587
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.283 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 63 Resp: 150696
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.8 35.8

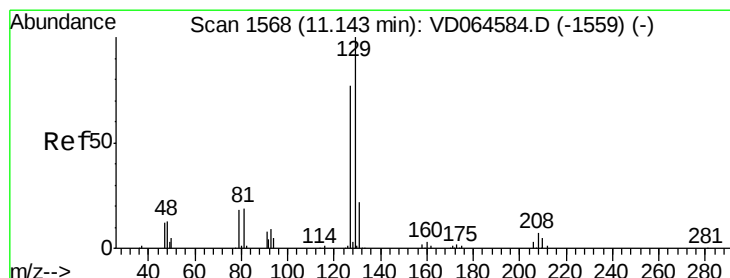
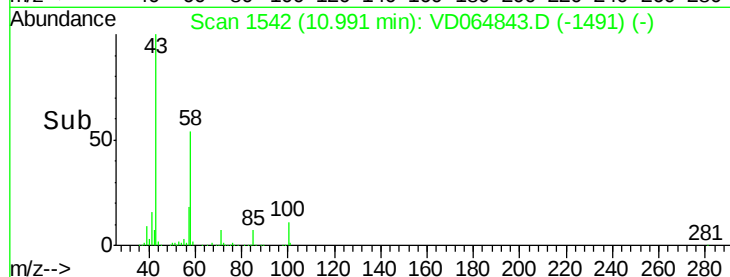
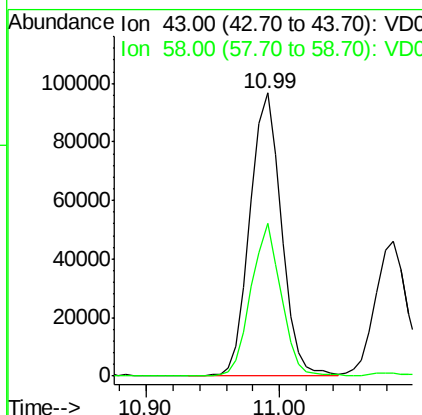
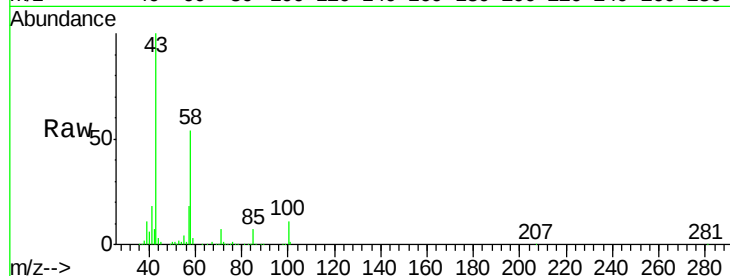




#59
2-Hexanone
Concen: 101.779 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

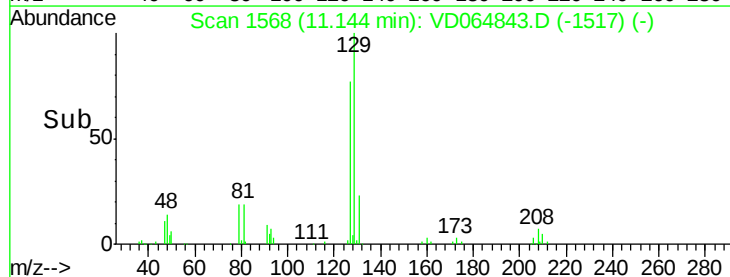
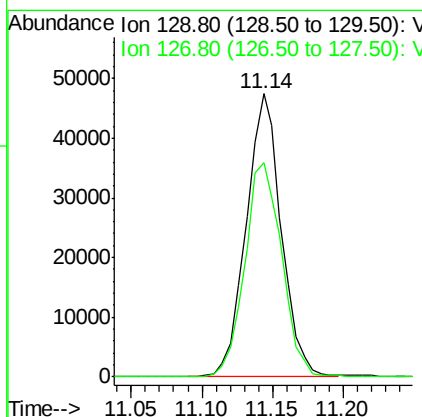
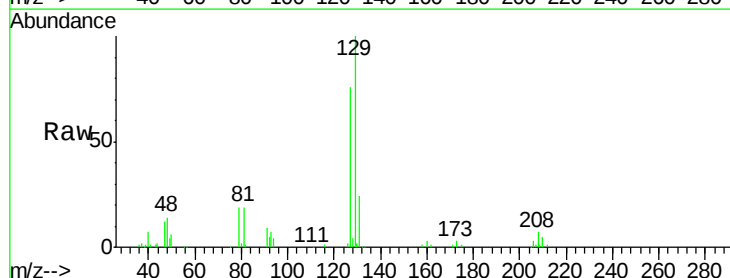
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

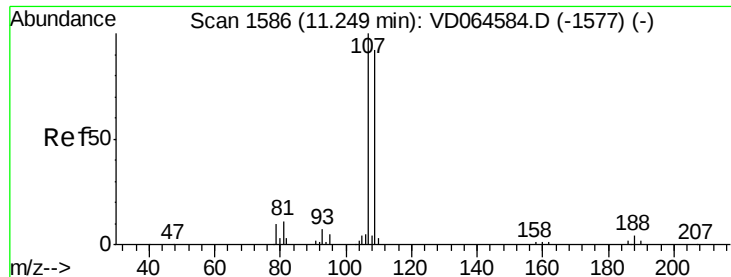
Tgt Ion: 43 Resp: 157993
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 20.613 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 129 Resp: 82609
Ion Ratio Lower Upper
129 100
127 79.6 38.4 115.2

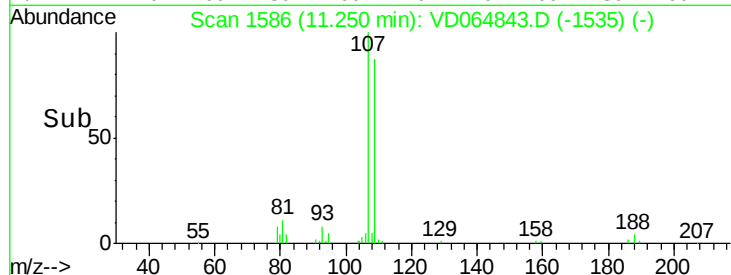
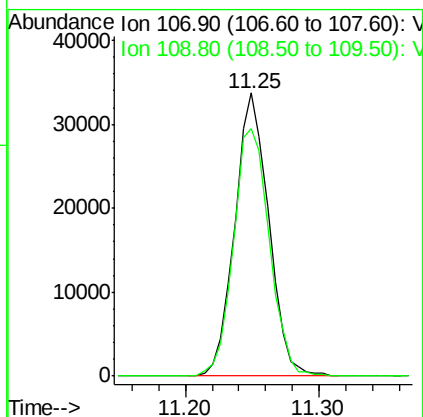
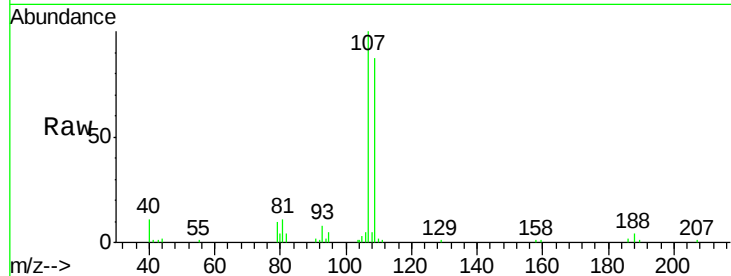




#61
 1,2-Dibromoethane
 Concen: 20.777 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

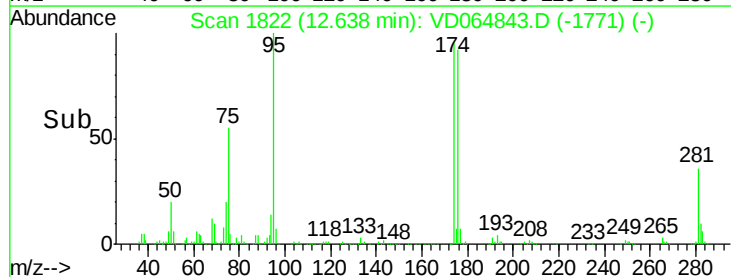
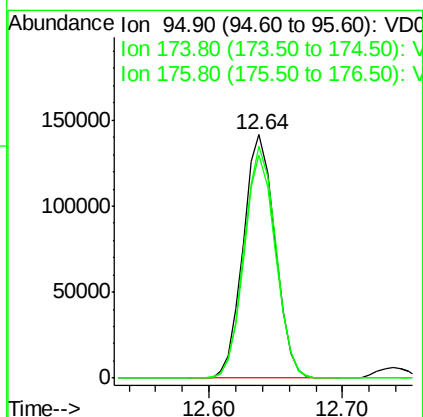
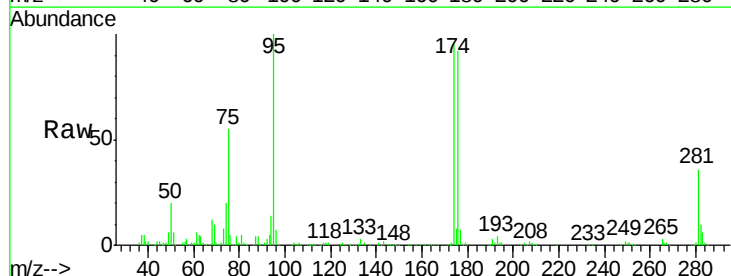
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

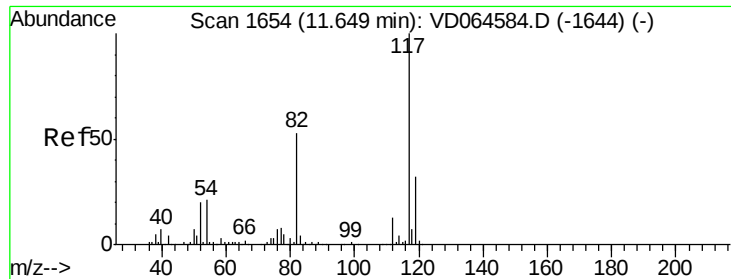
Tgt Ion: 107 Resp: 59391
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.998 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 95 Resp: 232965
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 193.2
 176 90.9 0.0 184.2

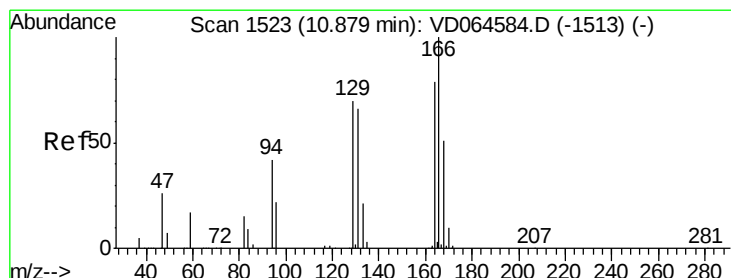
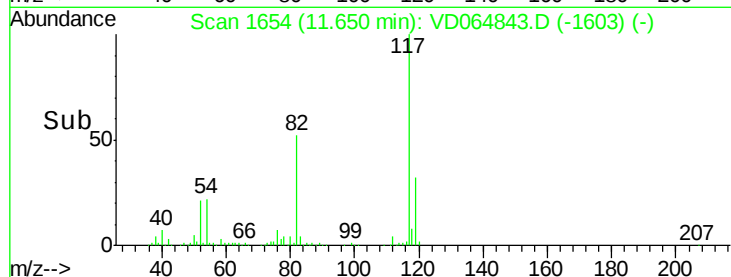
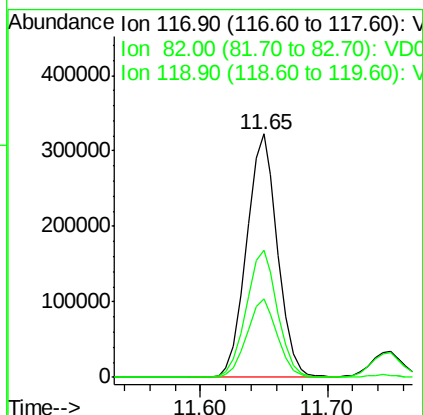
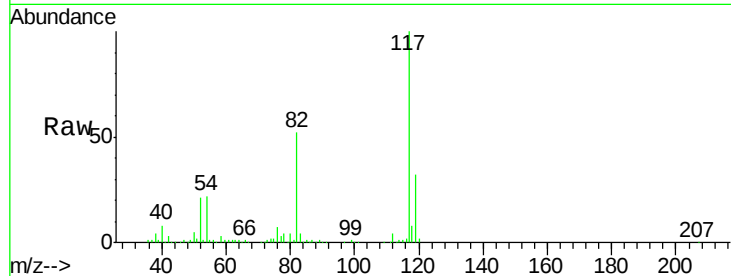




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

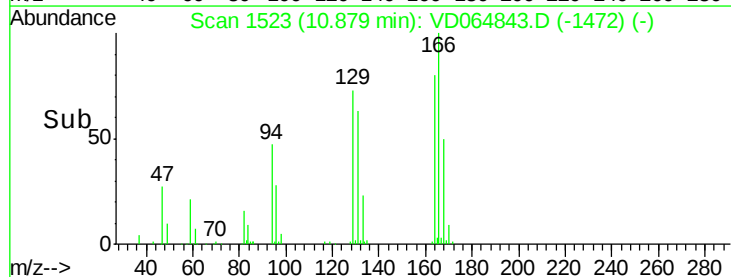
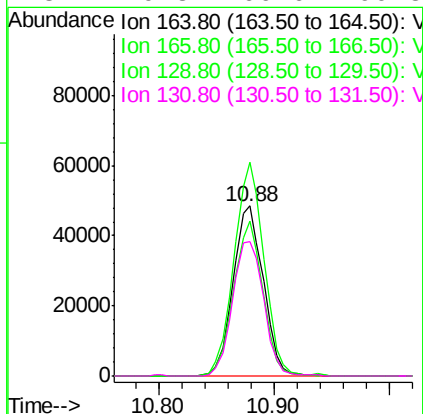
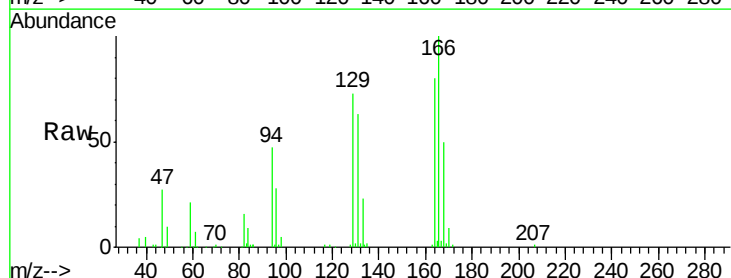
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

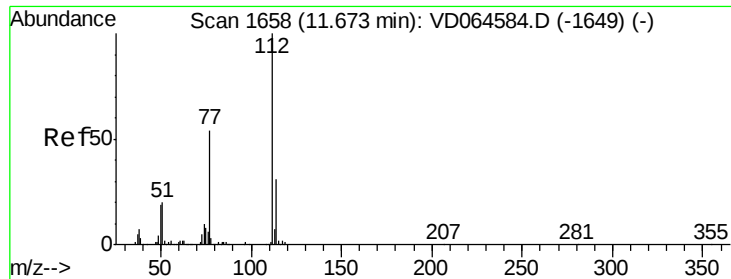
Tgt Ion:117 Resp: 546145
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 20.965 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion:164 Resp: 87840
Ion Ratio Lower Upper
164 100
166 125.8 101.3 151.9
129 91.4 70.5 105.7
131 79.3 66.6 99.8

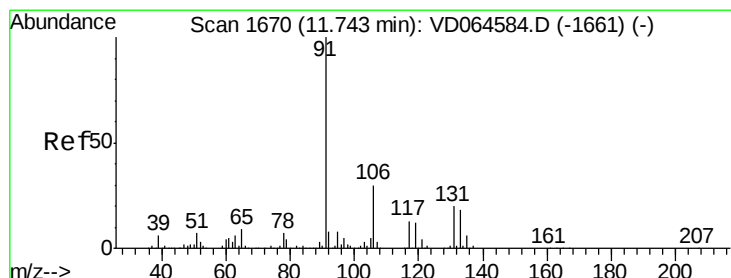
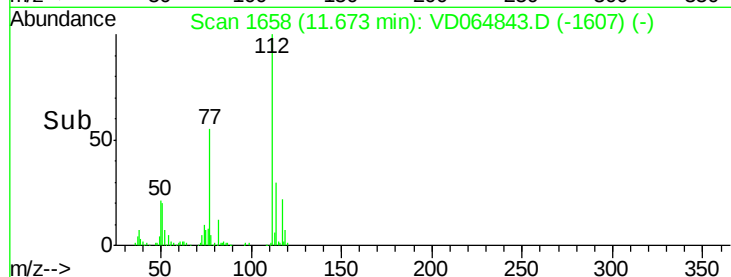
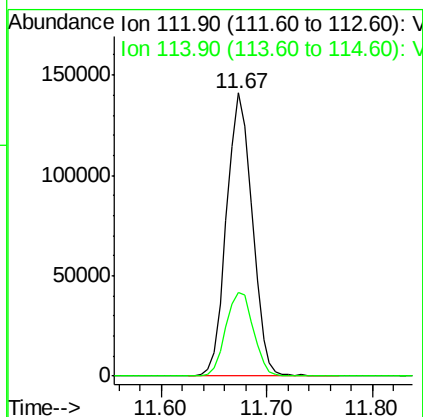
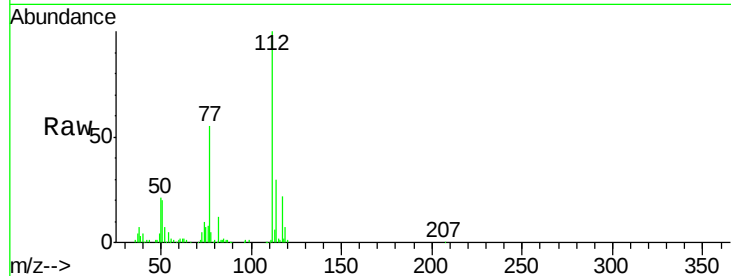




#65
Chlorobenzene
Concen: 21.036 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

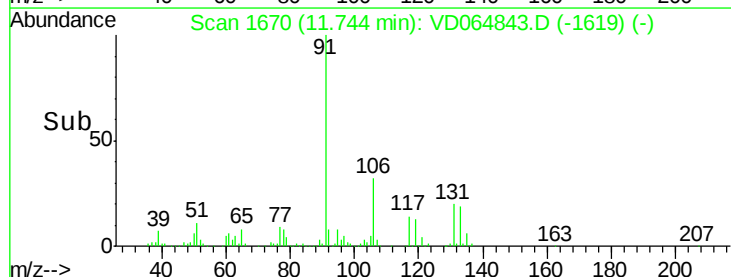
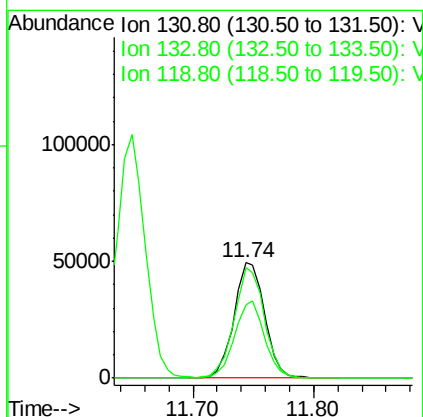
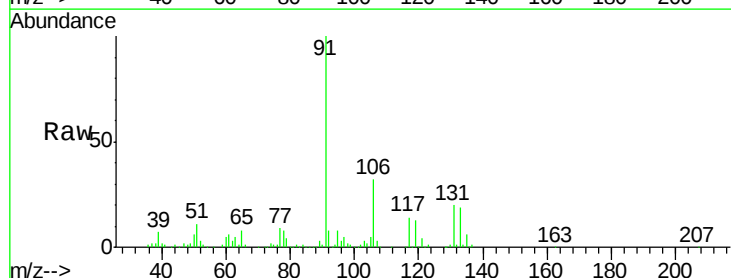
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

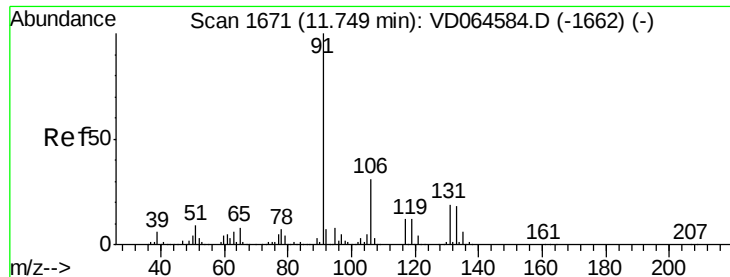
Tgt Ion:112 Resp: 238445
Ion Ratio Lower Upper
112 100
114 29.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.558 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion:131 Resp: 87850
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 64.9 32.1 96.3





#67

Ethyl Benzene

Concen: 20.893 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

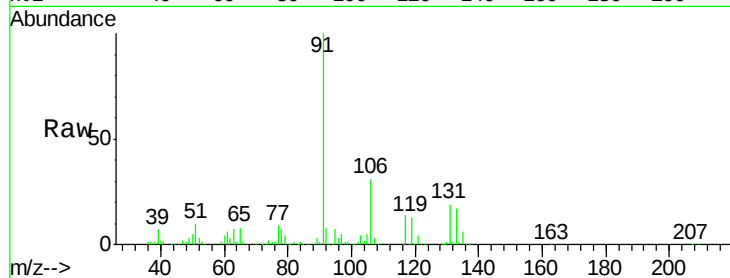
VD0113SBS01

Tgt Ion: 91 Resp: 429850

Ion Ratio Lower Upper

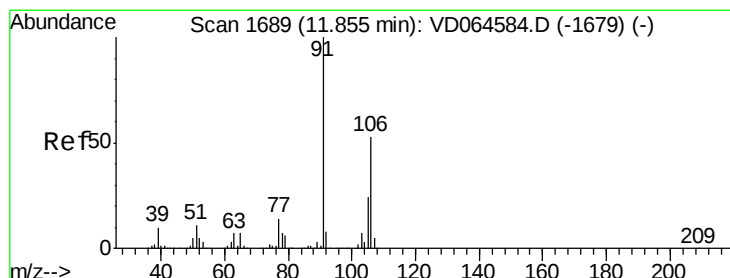
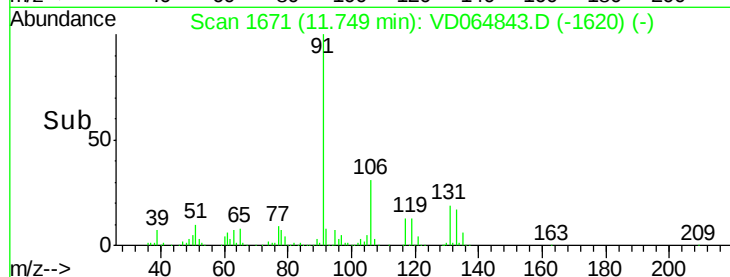
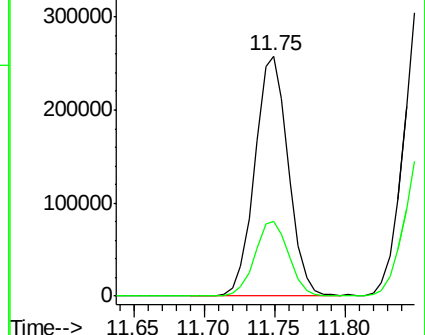
91 100

106 31.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.333 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064843.D

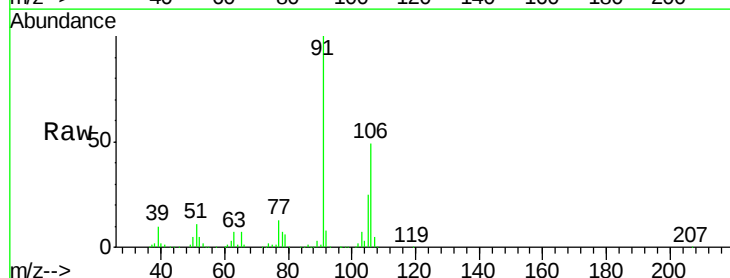
Acq: 13 Jan 2020 12:14

Tgt Ion: 106 Resp: 320292

Ion Ratio Lower Upper

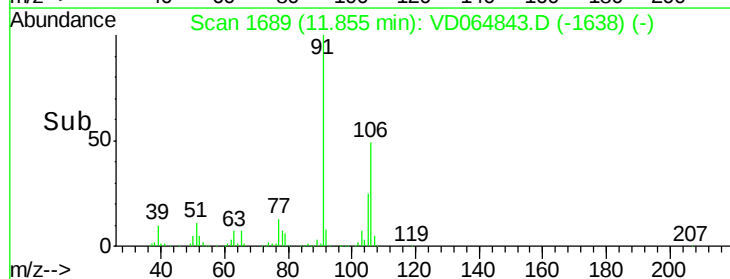
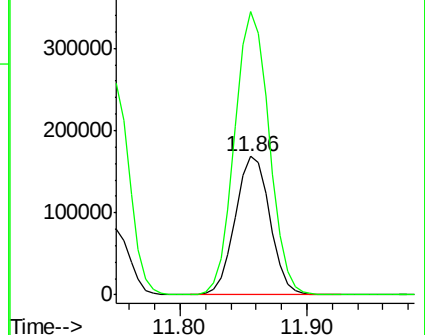
106 100

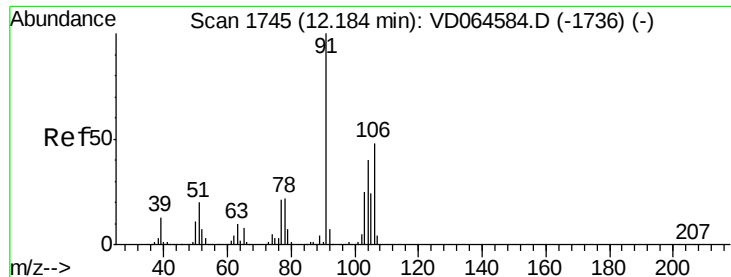
91 203.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

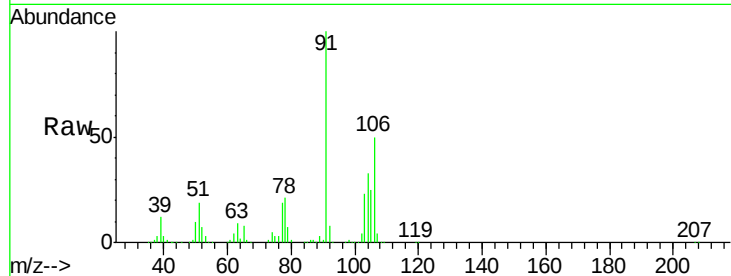




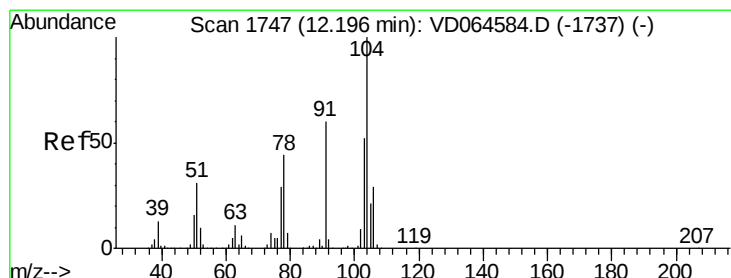
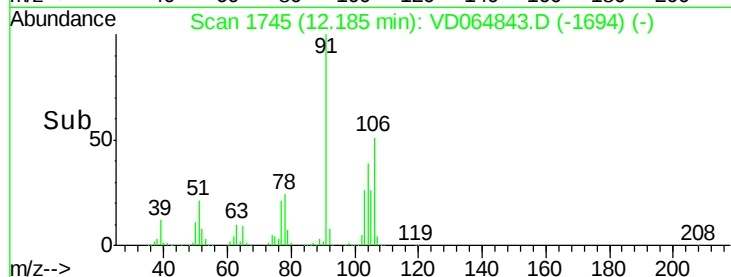
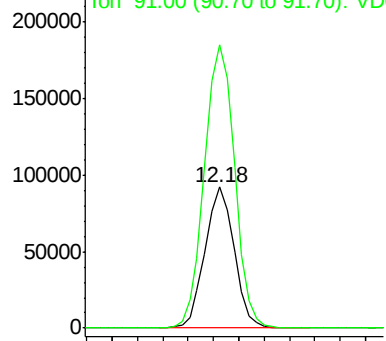
#69
o-Xylene
Concen: 20.490 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion:106 Resp: 146971
Ion Ratio Lower Upper
106 100
91 208.3 104.8 314.4

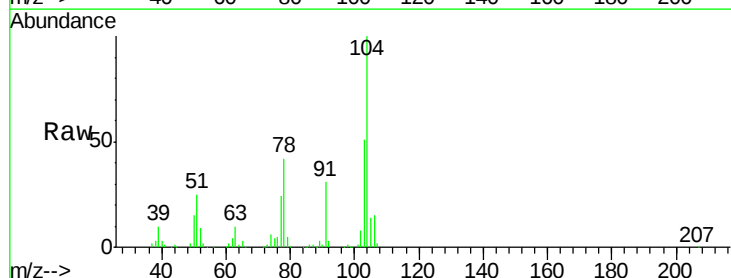


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

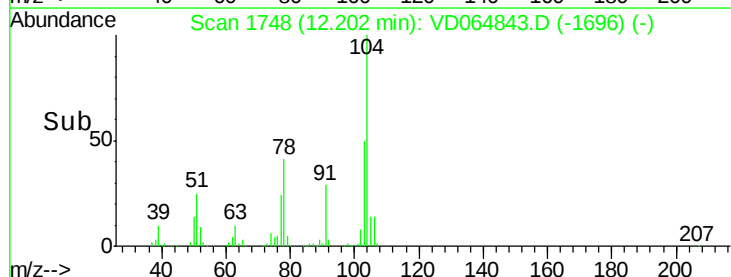
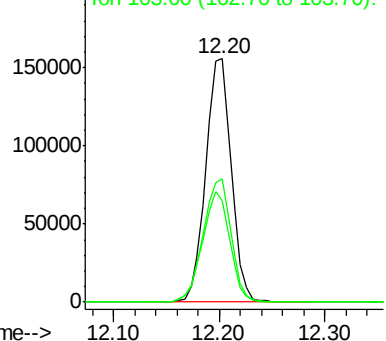


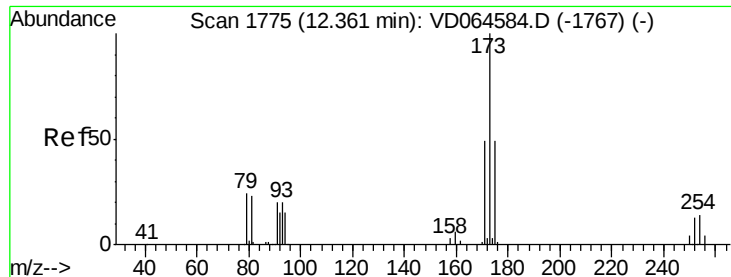
#70
Styrene
Concen: 20.605 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion:104 Resp: 259429
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 55.2 44.6 67.0



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





#71

Bromoform

Concen: 19.441 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

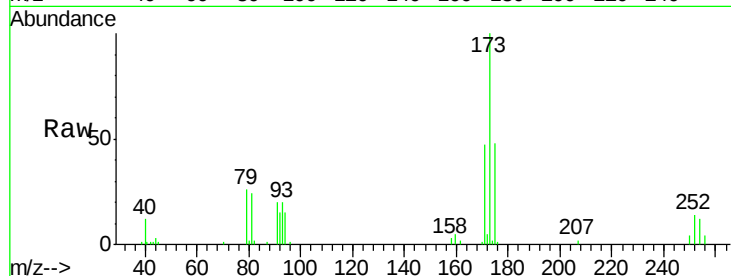
Tgt Ion:173 Resp: 47375

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

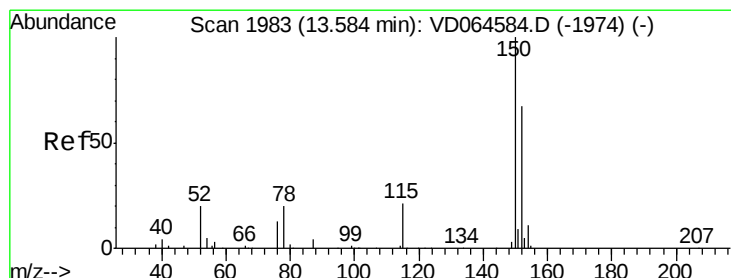
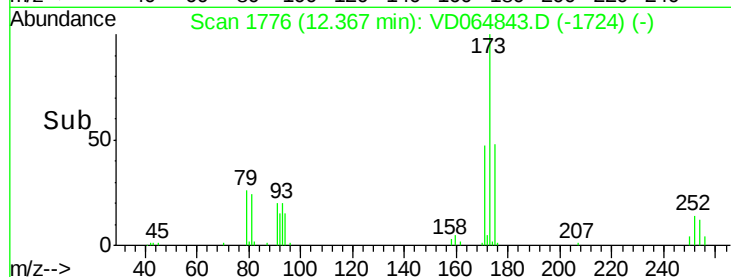
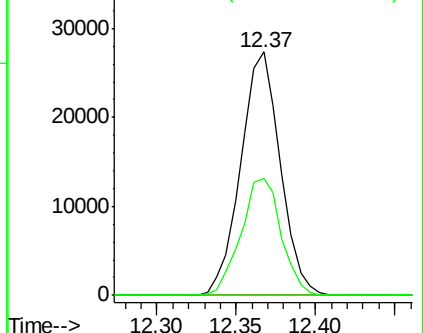
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

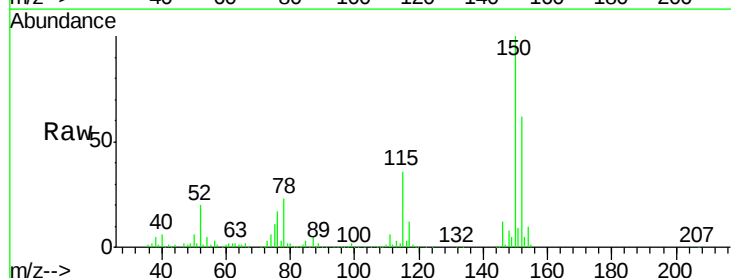
Tgt Ion:152 Resp: 263441

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.4

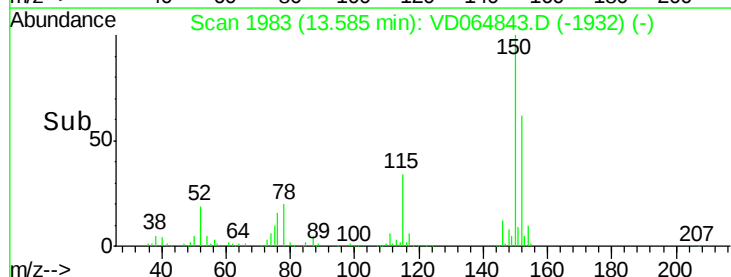
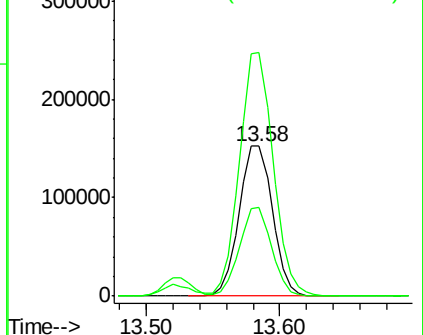
150 164.5 0.0 351.4

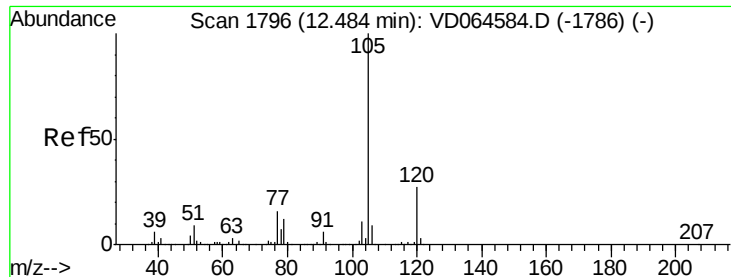


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.657 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

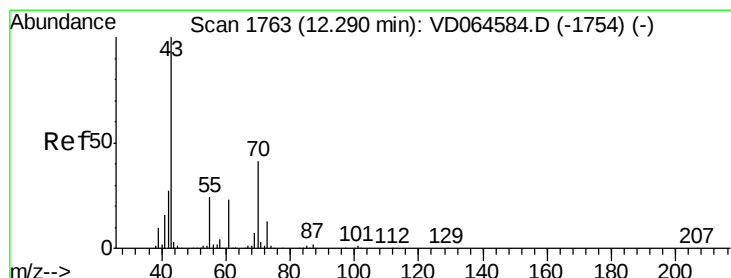
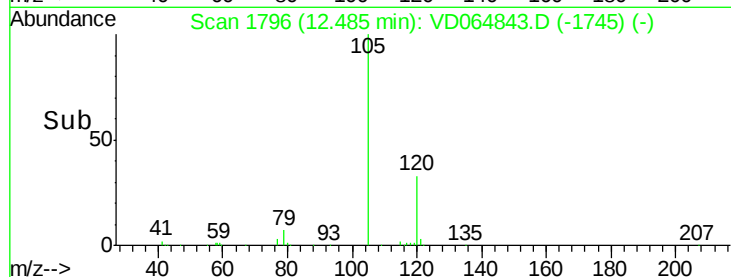
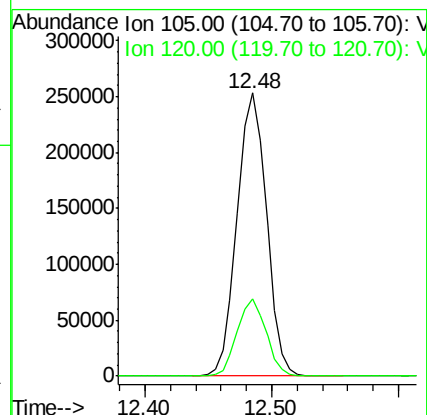
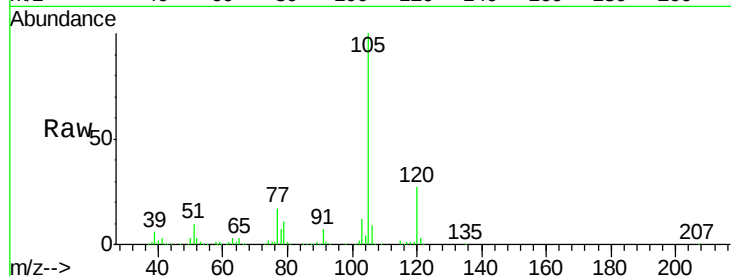
VD0113SBS01

Tgt Ion:105 Resp: 407707

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 20.353 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Tgt Ion: 43 Resp: 81907

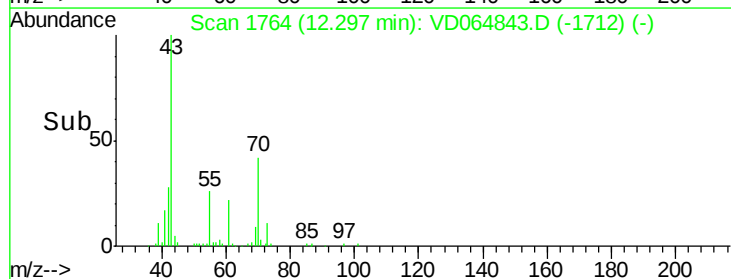
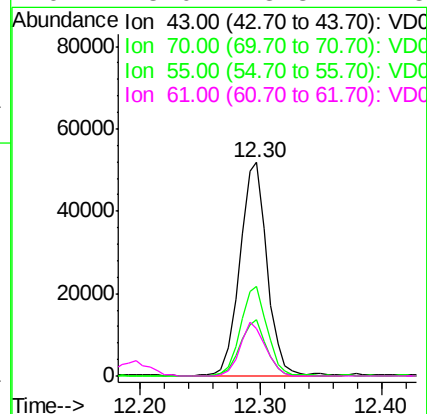
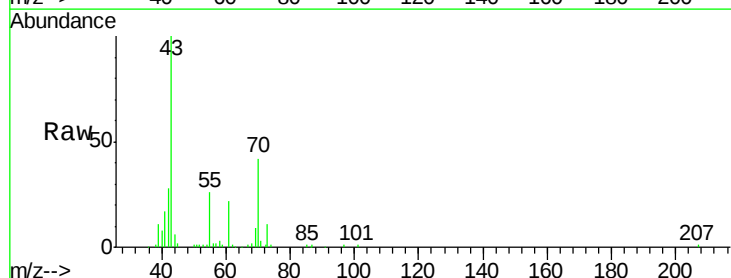
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 25.3 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.726 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

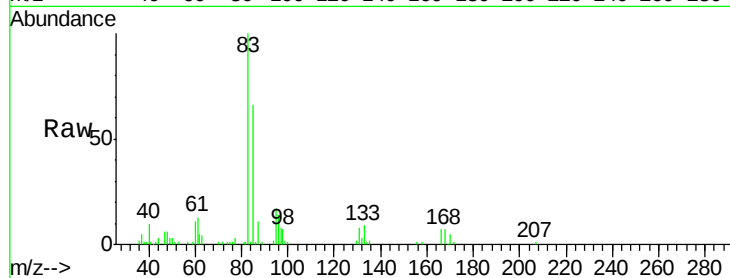
Tgt Ion: 83 Resp: 61295

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

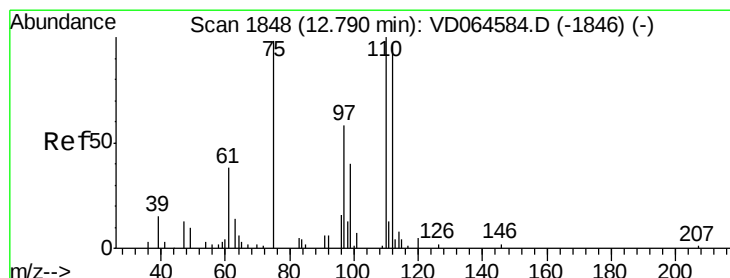
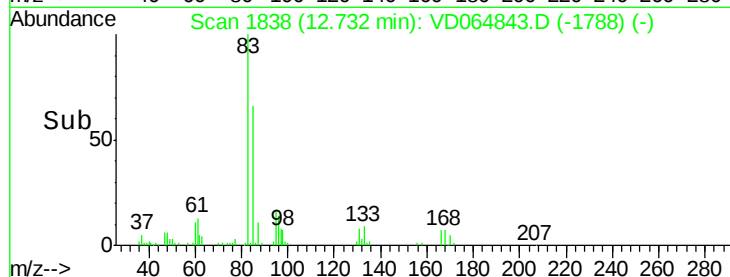
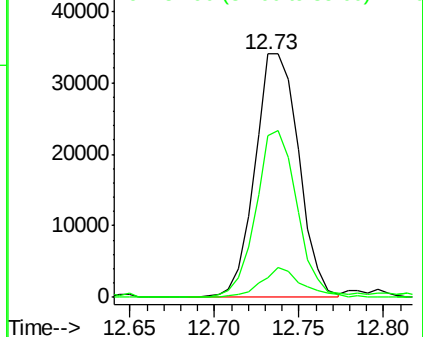
85 64.6 32.3 96.9



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: 39.745 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064843.D

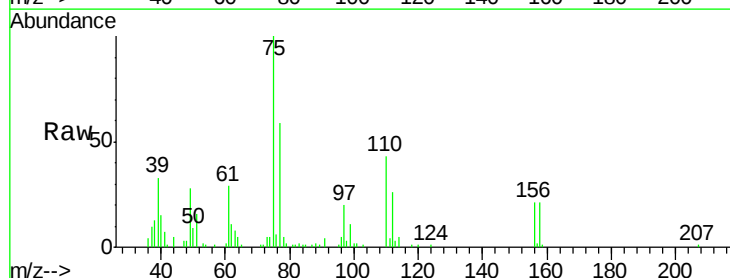
Acq: 13 Jan 2020 12:14

Tgt Ion: 75 Resp: 82681

Ion Ratio Lower Upper

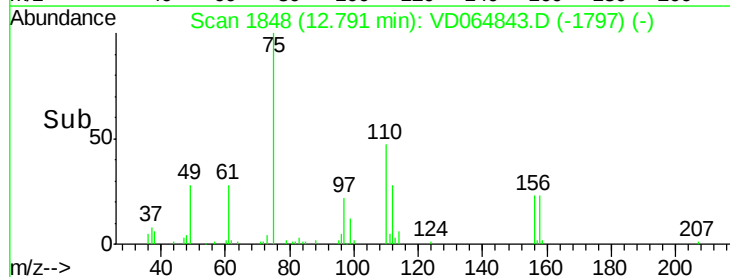
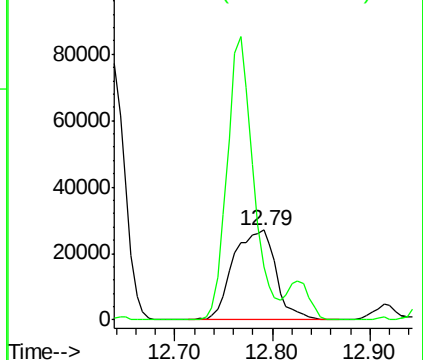
75 100

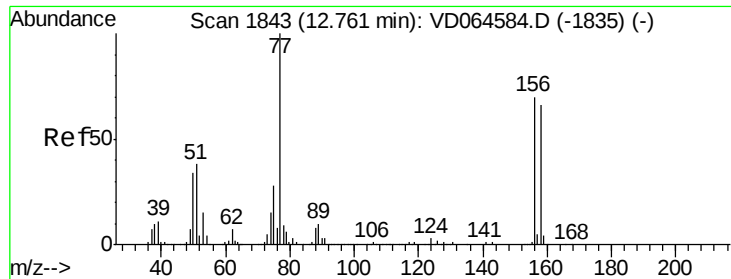
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

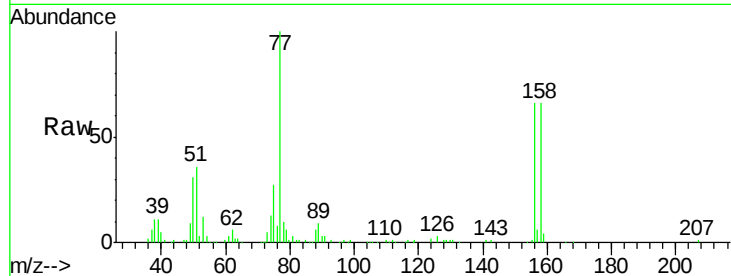
Tgt Ion:156 Resp: 95107

Ion Ratio Lower Upper

156 100

77 168.6 80.9 242.7

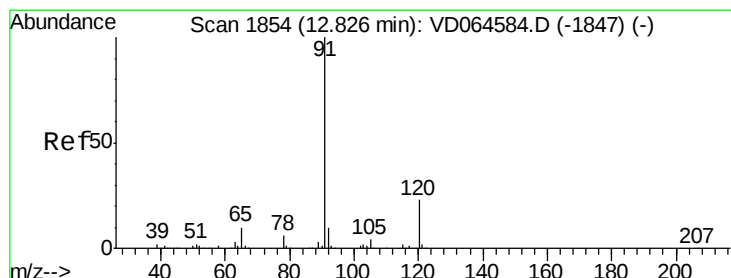
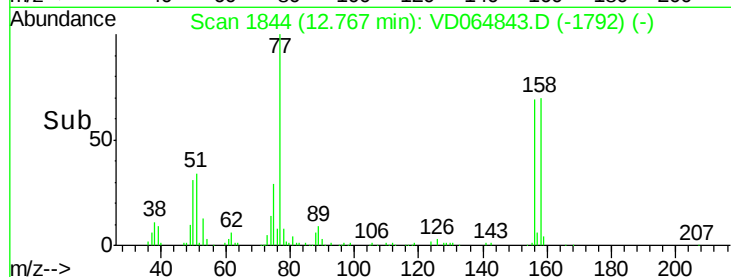
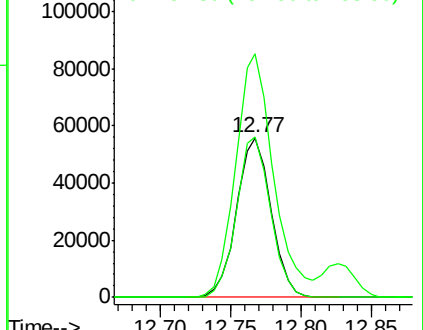
158 99.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.652 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064843.D

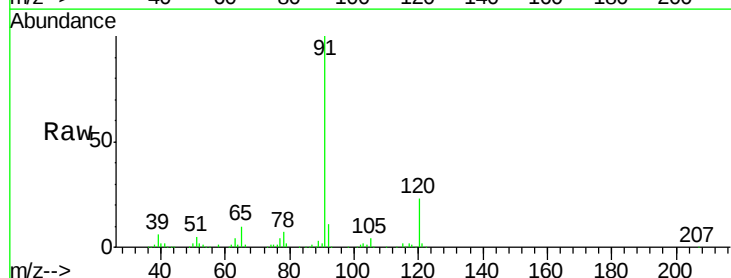
Acq: 13 Jan 2020 12:14

Tgt Ion: 91 Resp: 475542

Ion Ratio Lower Upper

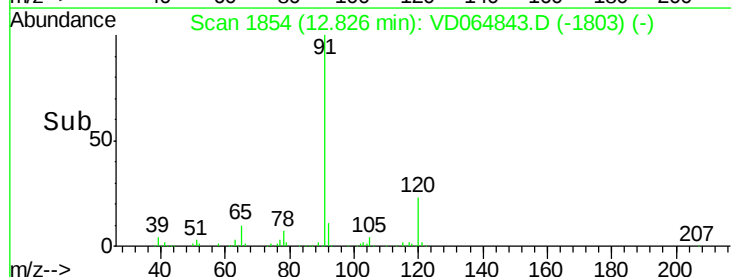
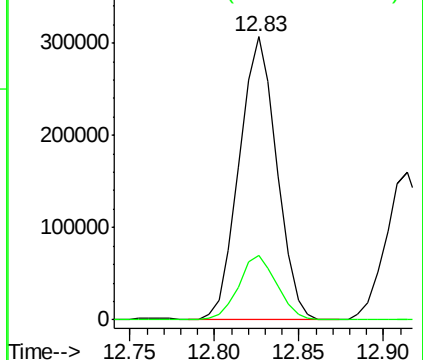
91 100

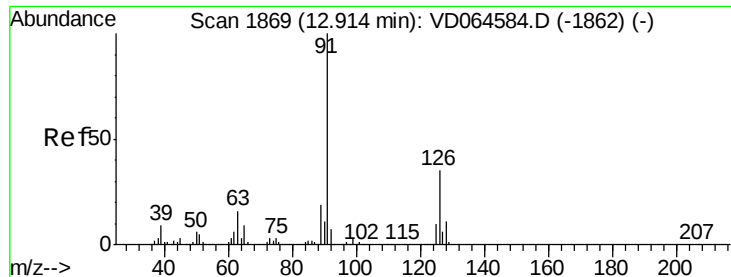
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

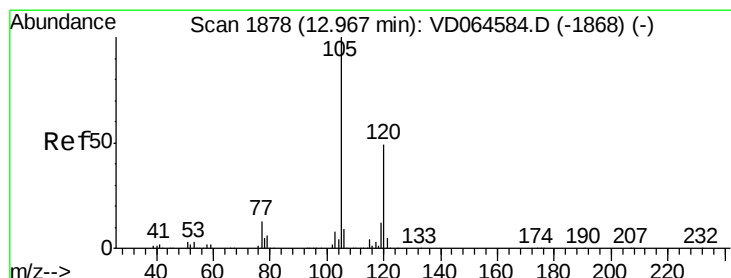
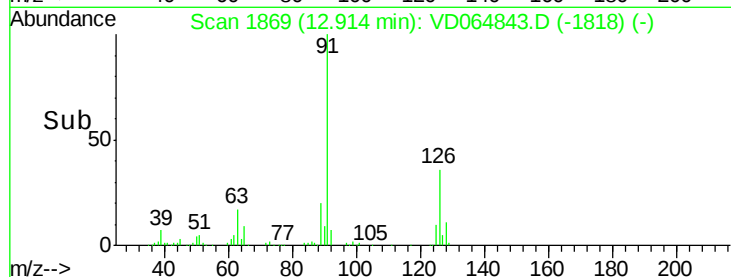
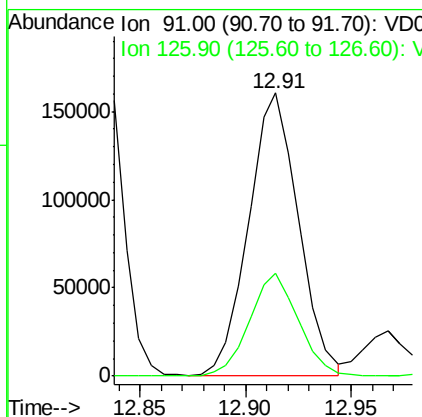
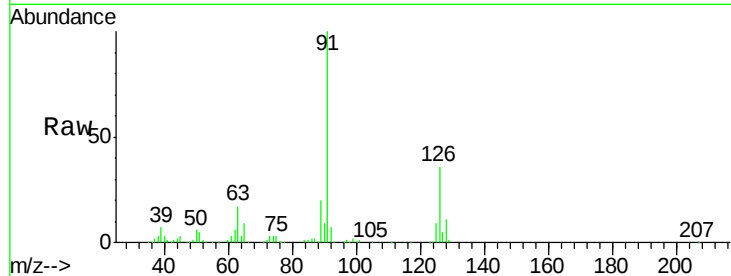




#79
 2-Chlorotoluene
 Concen: 21.820 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

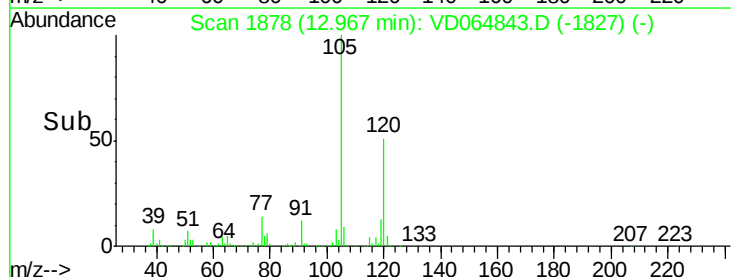
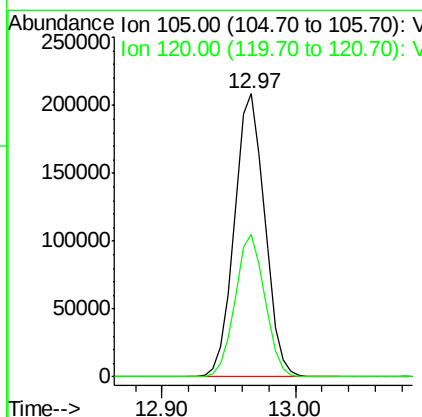
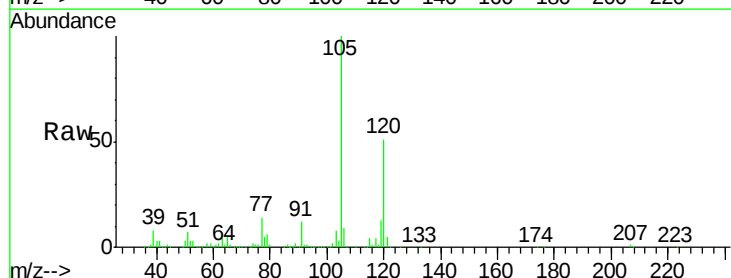
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

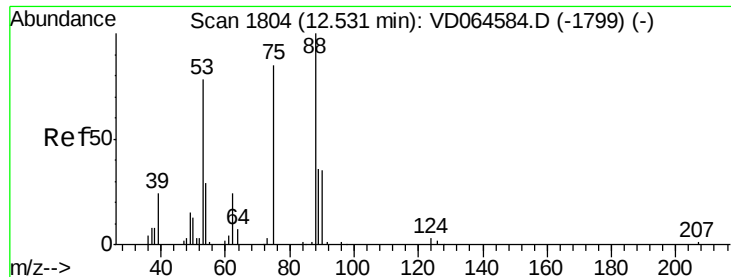
Tgt Ion: 91 Resp: 263265
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.306 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion: 105 Resp: 329486
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.001 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

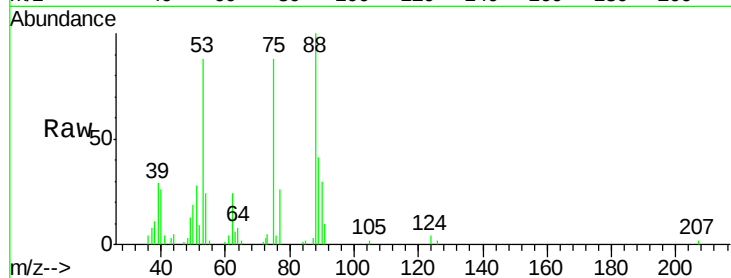
Tgt Ion: 75 Resp: 21883

Ion Ratio Lower Upper

75 100

53 99.2 78.8 118.2

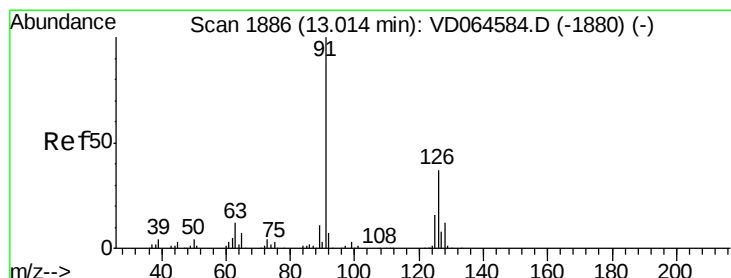
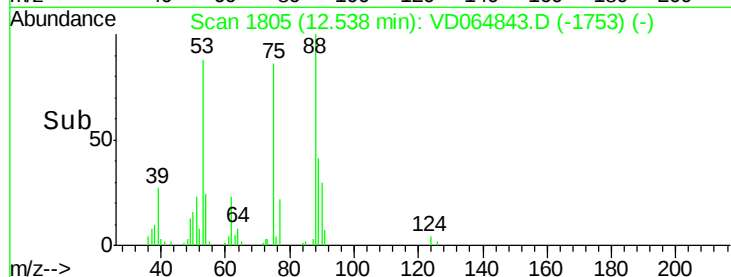
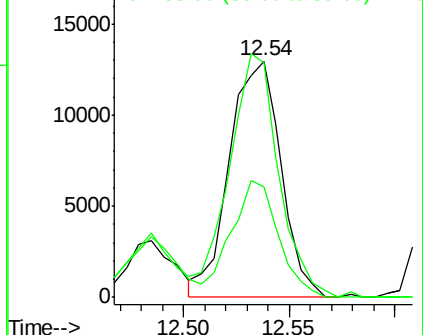
89 45.2 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.664 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064843.D

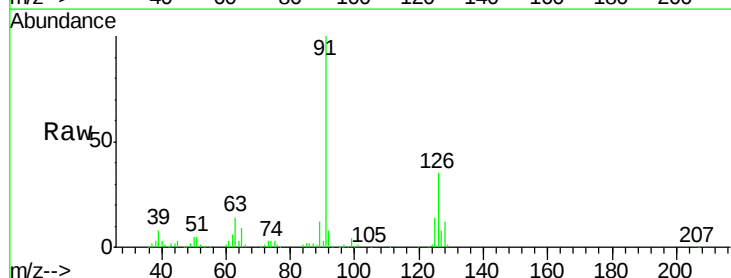
Acq: 13 Jan 2020 12:14

Tgt Ion: 91 Resp: 278160

Ion Ratio Lower Upper

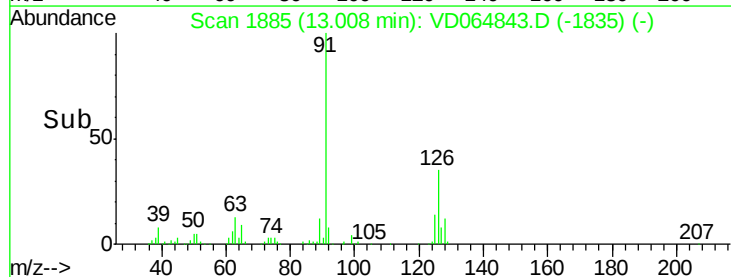
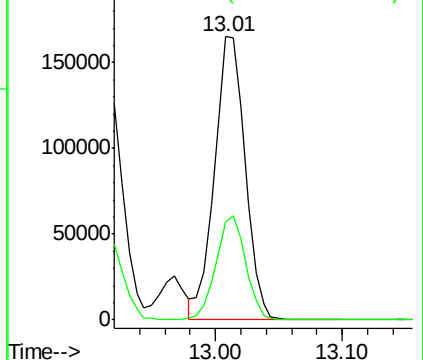
91 100

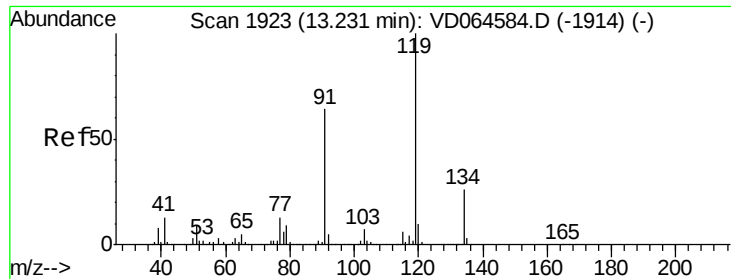
126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

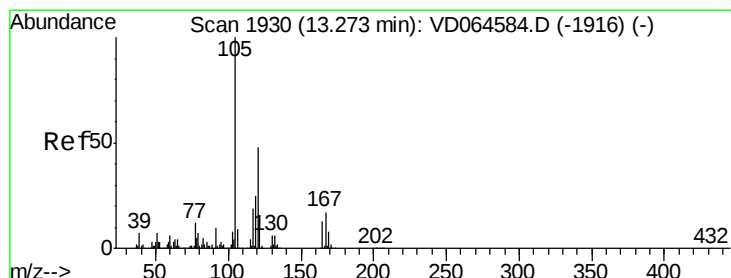
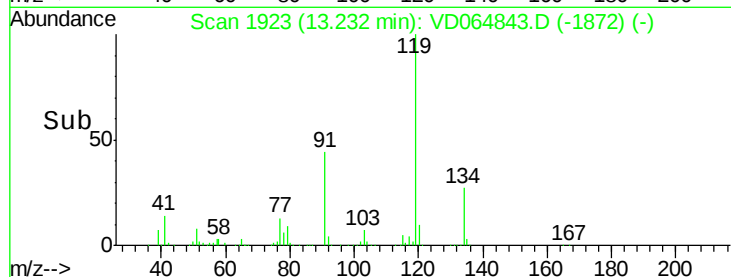
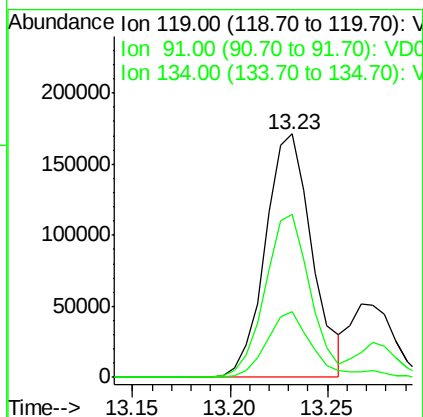
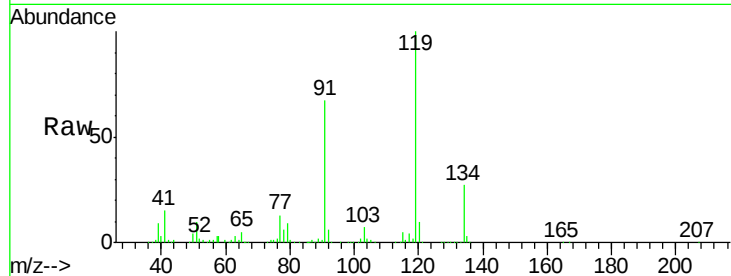




#83
 tert-Butylbenzene
 Concen: 21.144 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

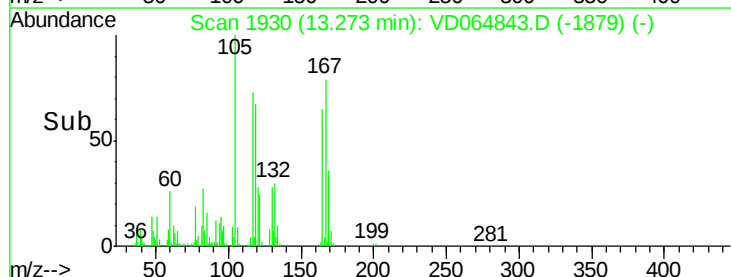
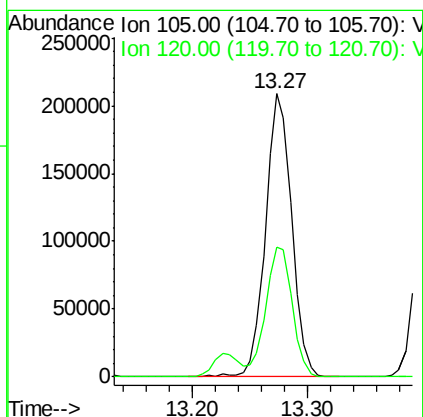
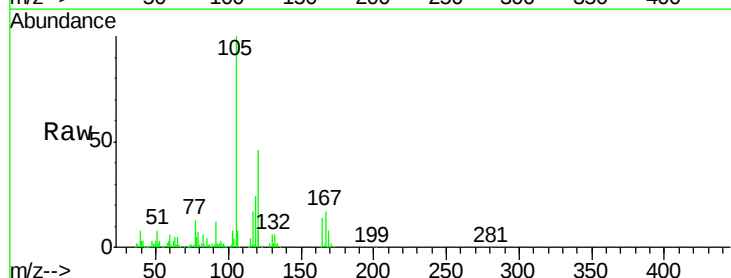
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

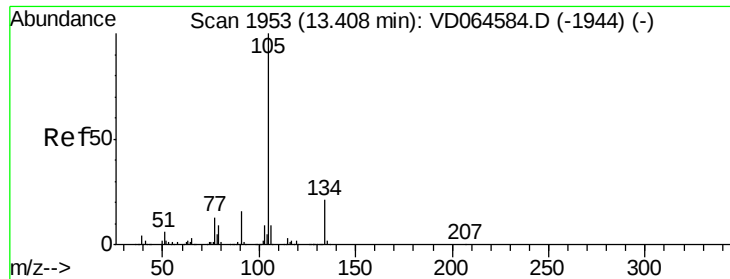
Tgt Ion:119 Resp: 283912
 Ion Ratio Lower Upper
 119 100
 91 64.6 30.8 92.4
 134 27.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.456 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion:105 Resp: 330463
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.2

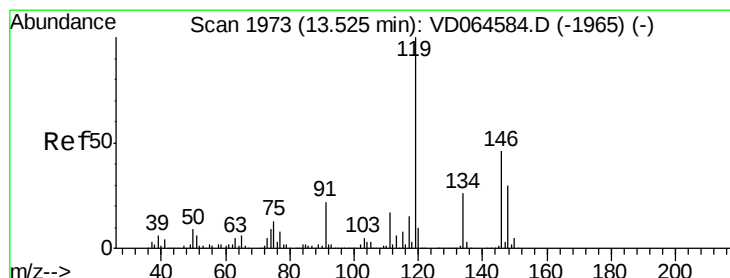
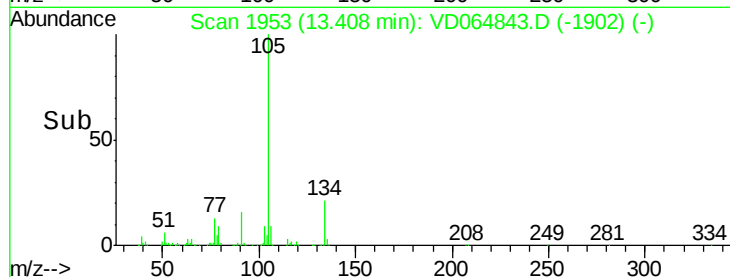
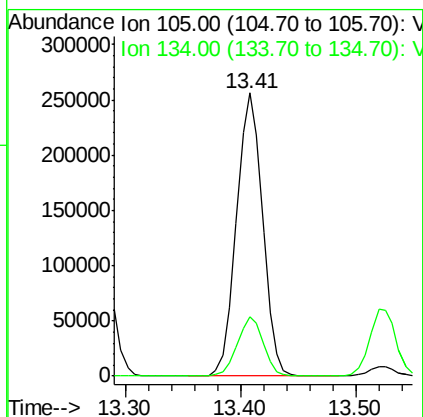
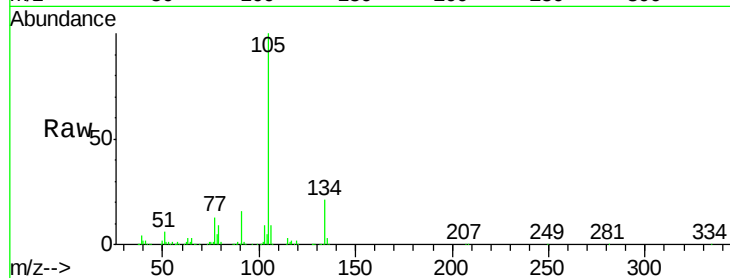




#85
 sec-Butylbenzene
 Concen: 21.759 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

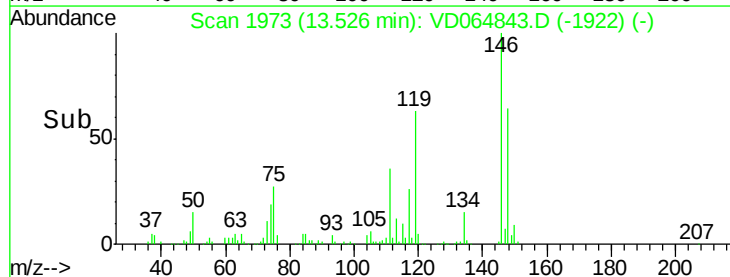
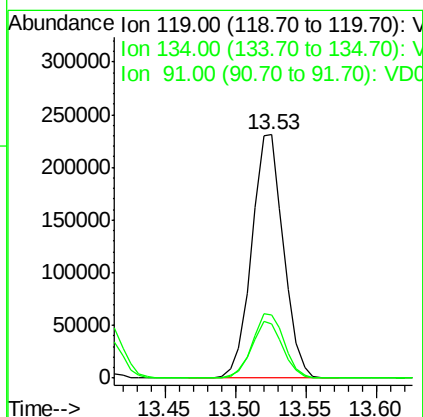
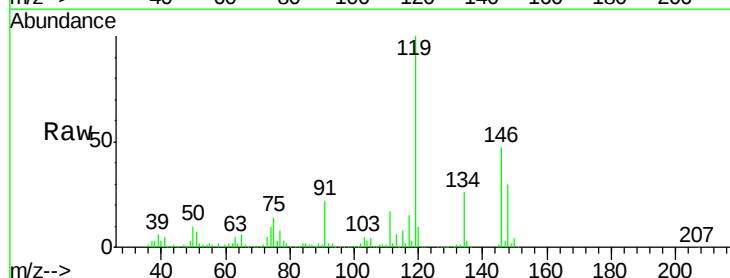
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

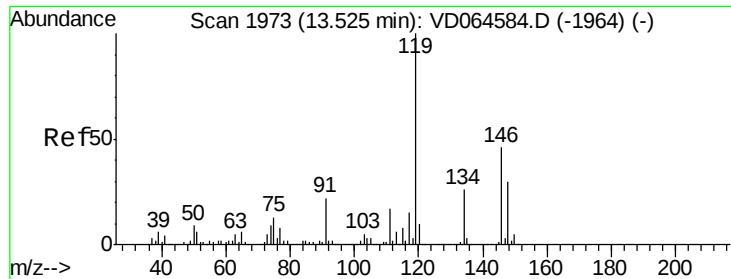
Tgt Ion:105 Resp: 400537
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.696 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion:119 Resp: 364273
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 22.6 11.2 33.6

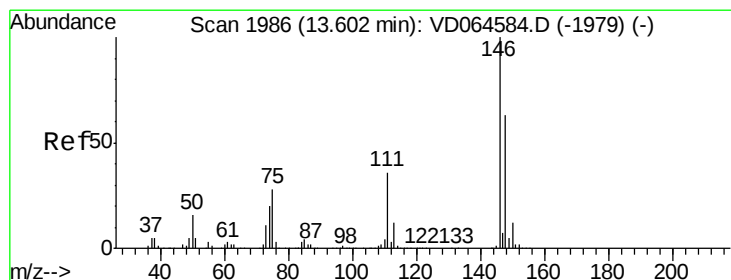
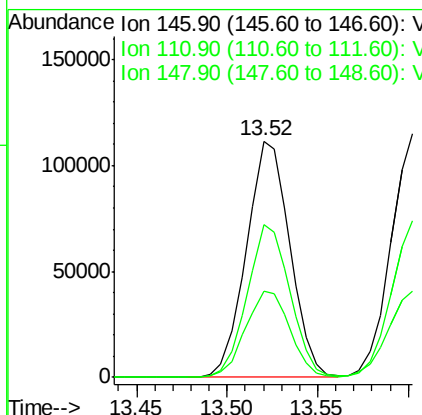
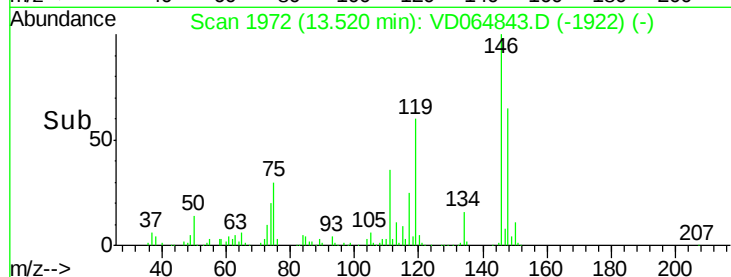
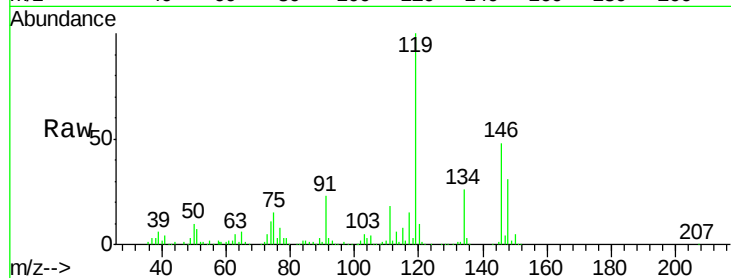




#87
 1,3-Dichlorobenzene
 Concen: 21.108 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

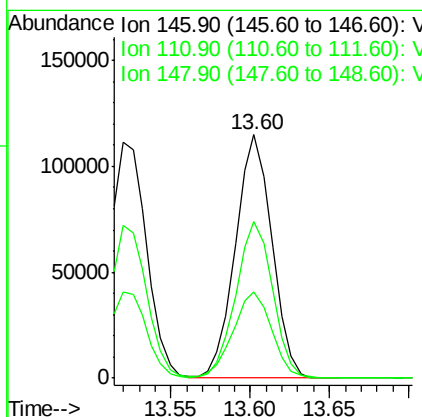
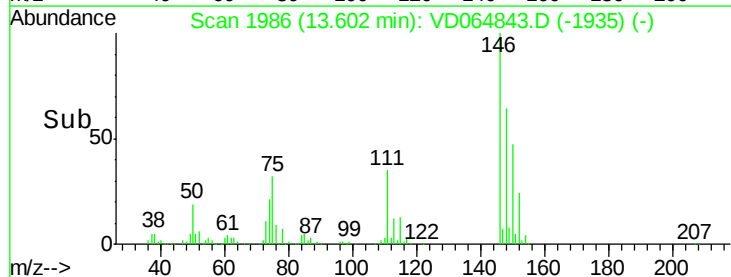
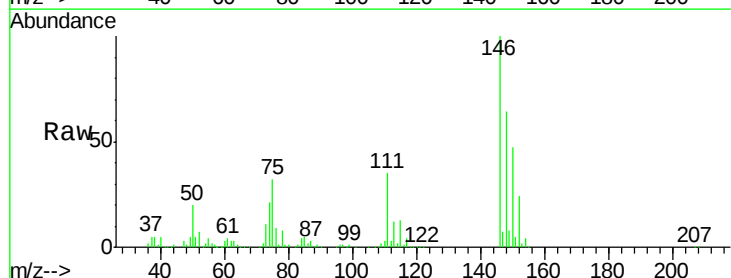
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

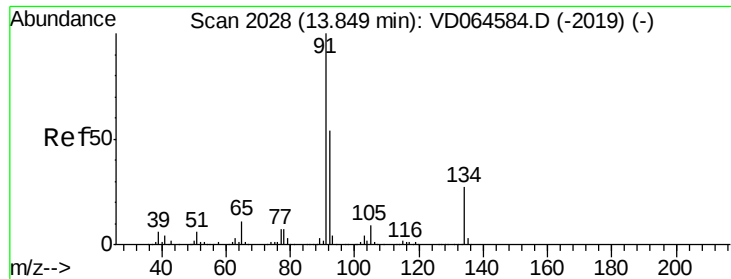
Tgt Ion:146 Resp: 186140
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 63.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.254 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion:146 Resp: 184122
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.1 54.1
 148 64.8 32.3 96.9

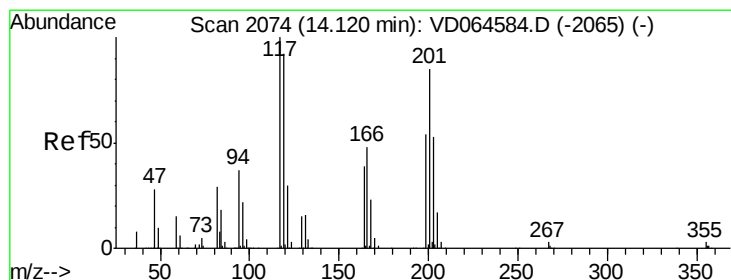
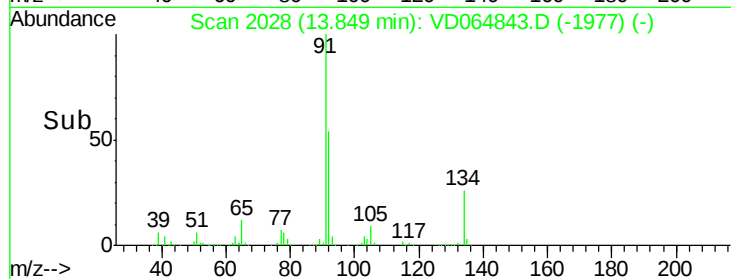
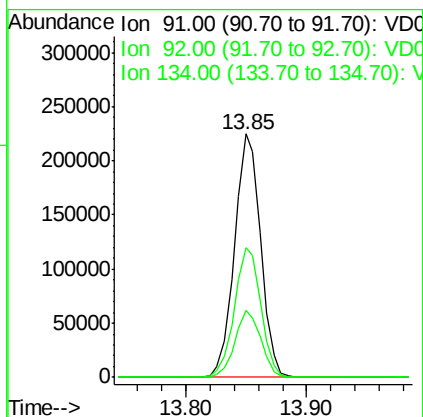
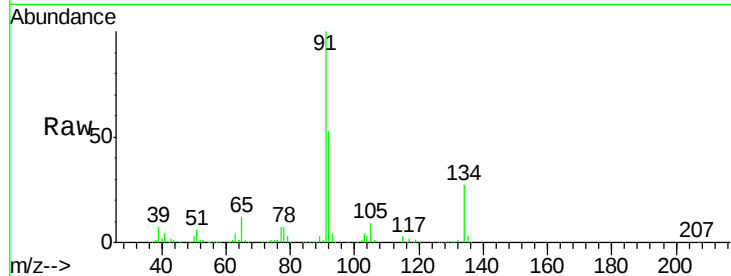




#89
n-Butylbenzene
Concen: 21.270 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

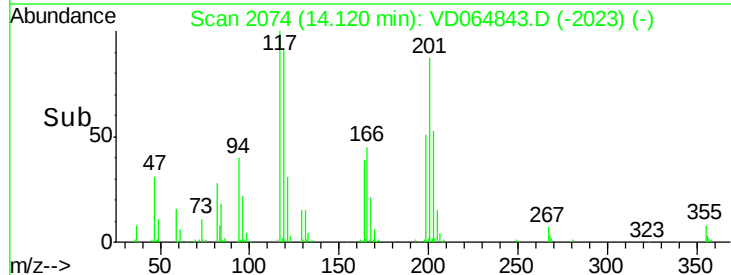
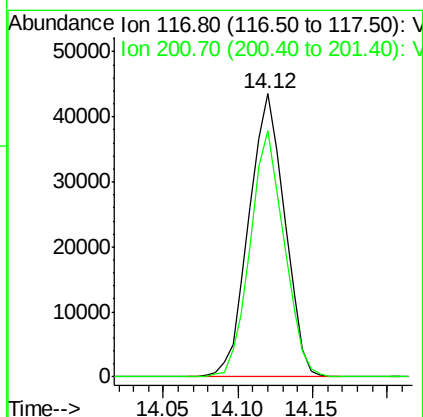
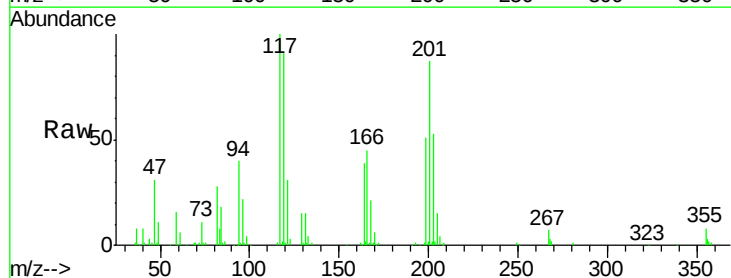
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

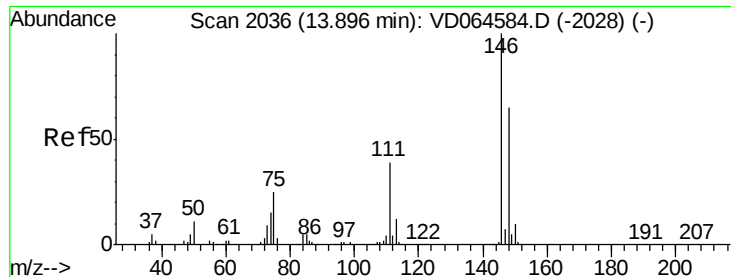
Tgt Ion: 91 Resp: 337153
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 21.472 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion: 117 Resp: 72194
Ion Ratio Lower Upper
117 100
201 82.4 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 20.910 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

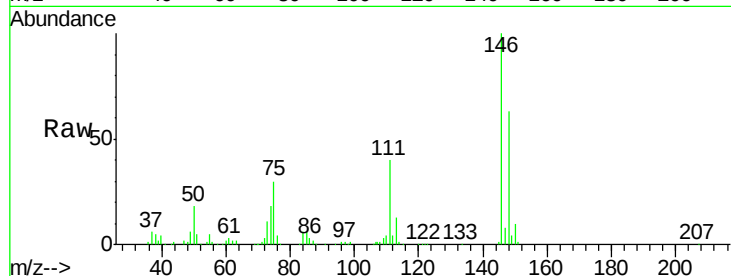
Tgt Ion:146 Resp: 157230

Ion Ratio Lower Upper

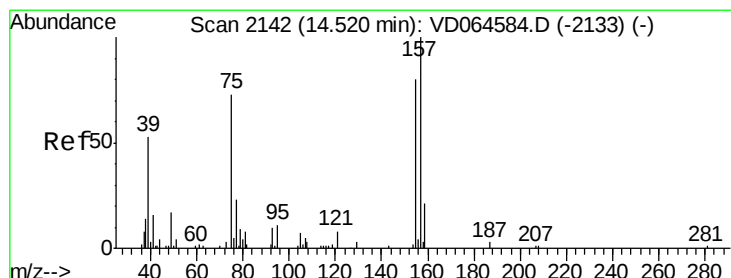
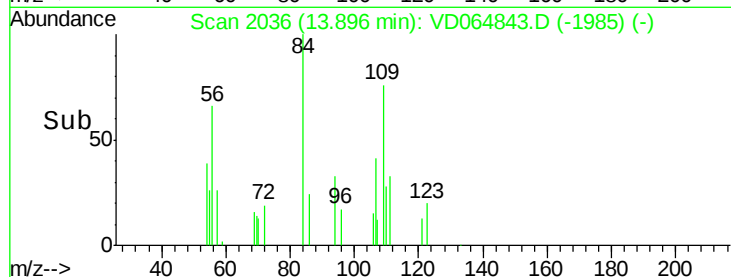
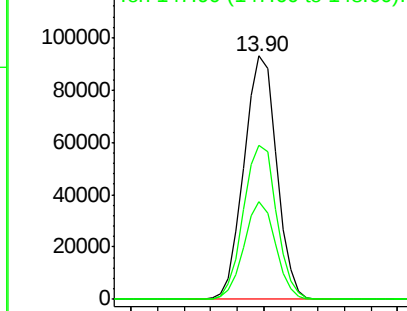
146 100

111 38.8 19.3 57.9

148 64.3 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.546 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064843.D

Acq: 13 Jan 2020 12:14

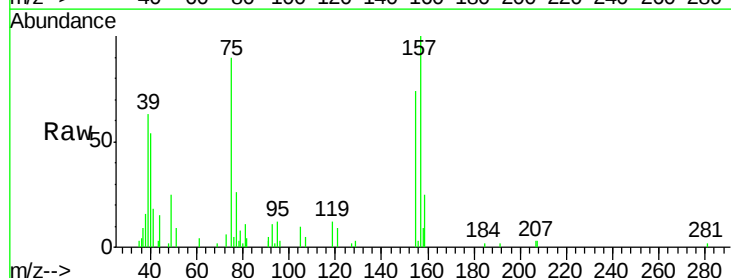
Tgt Ion: 75 Resp: 10809

Ion Ratio Lower Upper

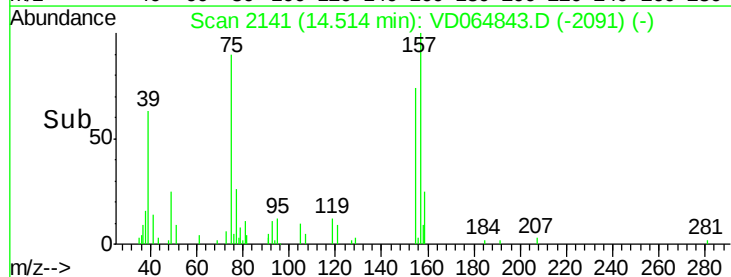
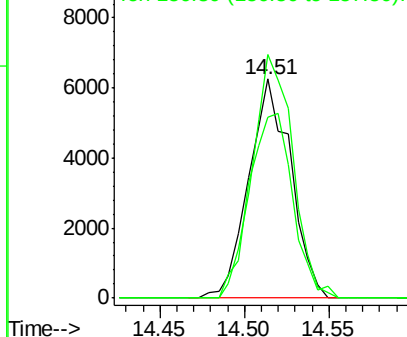
75 100

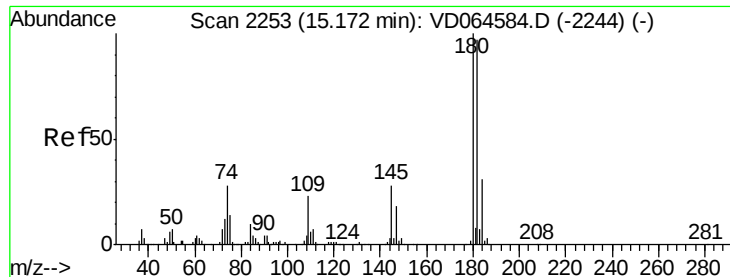
155 87.9 48.0 144.0

157 106.7 64.1 192.3



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

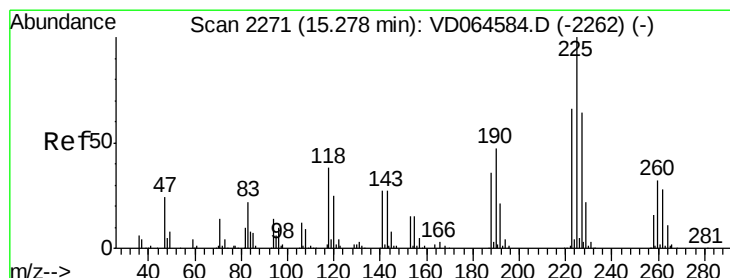
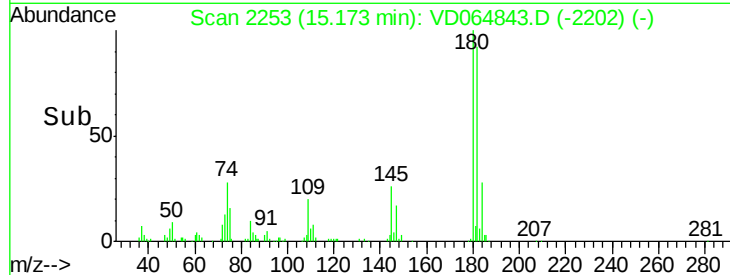
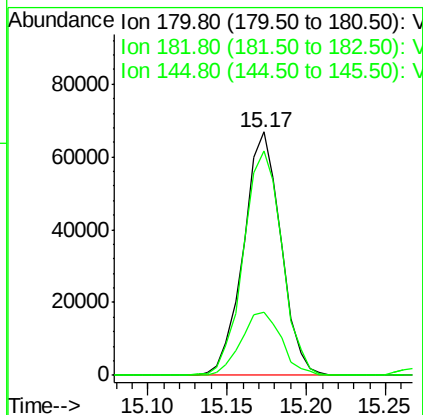
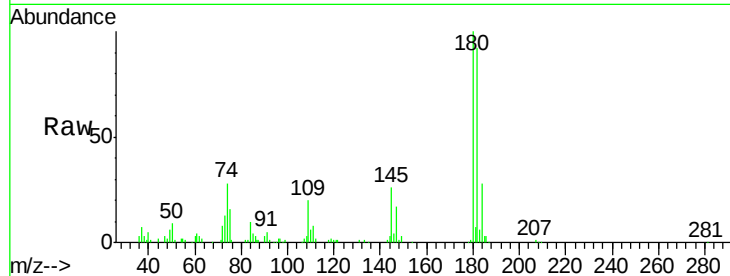




#93
 1,2,4-Trichlorobenzene
 Concen: 19.799 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

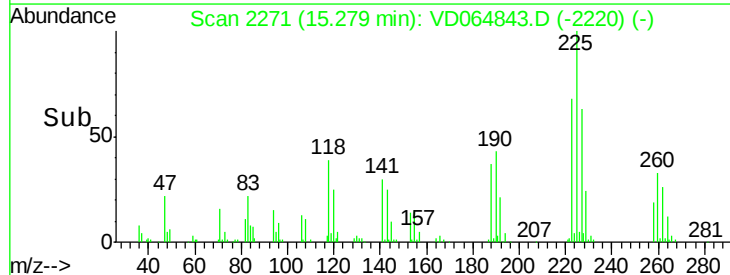
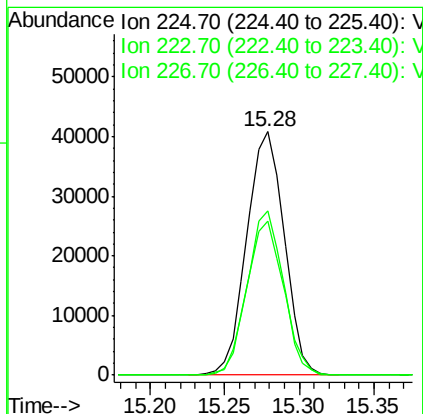
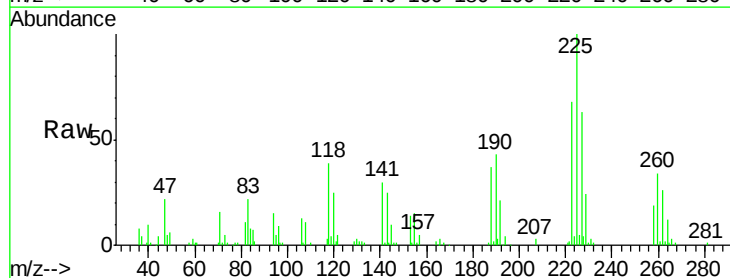
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

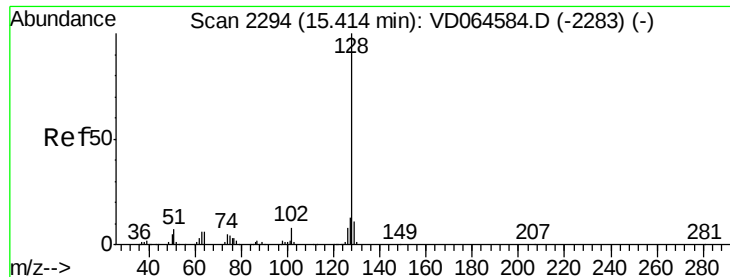
Tgt Ion:180 Resp: 109623
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 28.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.366 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064843.D
 Acq: 13 Jan 2020 12:14

Tgt Ion:225 Resp: 70958
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.1 93.2
 227 62.6 30.9 92.7

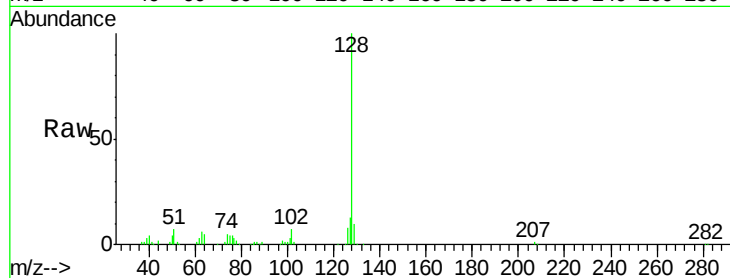




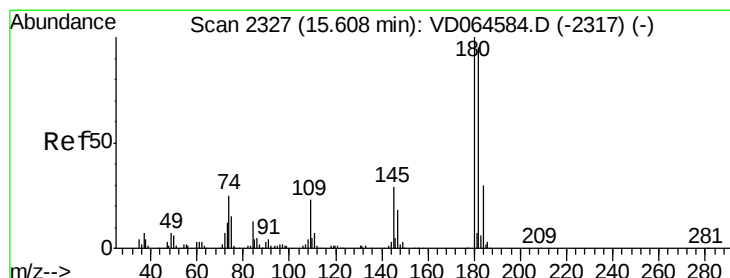
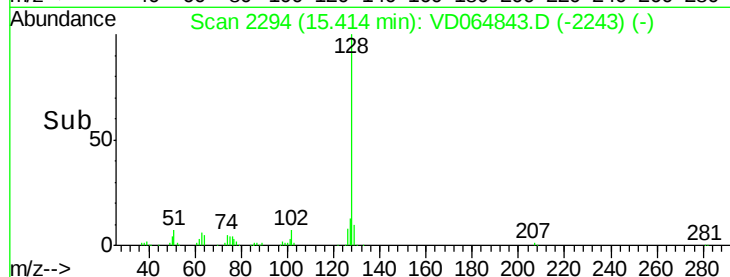
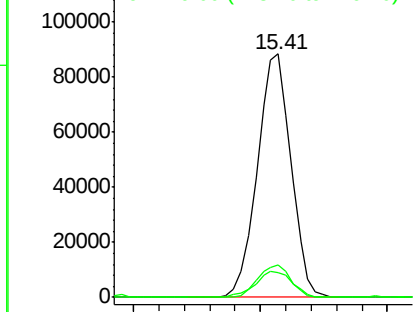
#95
Naphthalene
Concen: 18.611 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion:128 Resp: 163019
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.2 8.5 12.7

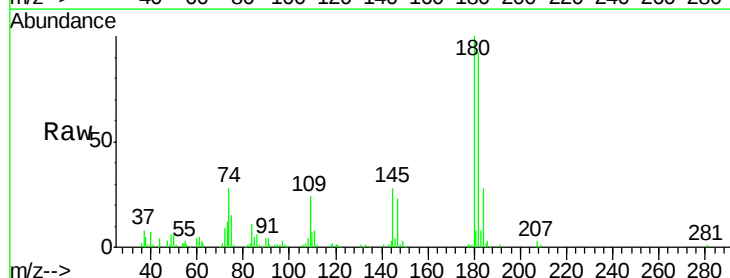


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.912 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064843.D
Acq: 13 Jan 2020 12:14

Tgt Ion:180 Resp: 94117
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.7
145 29.2 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

