

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064834.D
 Acq On : 10 Jan 2020 15:40
 Operator : VA/SY
 Sample : VW0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Quant Time: Jan 10 22:26:15 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	7.98	168	387952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	494793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185483	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.92	113	180688	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	679926	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.64	95	217485	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64363	21.348	ug/l	95
3) Chloromethane	2.21	50	97643	23.157	ug/l	98
4) Vinyl Chloride	2.35	62	114496	22.270	ug/l	98
5) Bromomethane	2.76	94	78682	21.048	ug/l	93
6) Chloroethane	2.92	64	76622	22.242	ug/l	99
7) Trichlorofluoromethane	3.27	101	192662	22.256	ug/l	99
8) Diethyl Ether	3.70	74	38725	22.528	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81837	22.827	ug/l	98
10) Methyl Iodide	4.29	142	79709	20.699	ug/l	99
11) Tert butyl alcohol	5.26	59	22409	114.300	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	75832	22.218	ug/l	92
13) Acrolein	3.93	56	20966	76.734	ug/l	98
14) Allyl chloride	4.71	41	118512	22.270	ug/l	98
15) Acrylonitrile	5.43	53	82694	115.490	ug/l	99
16) Acetone	4.17	43	86729	115.231	ug/l	92
17) Carbon Disulfide	4.40	76	234710	21.267	ug/l	97
18) Methyl Acetate	4.73	43	48179	25.016	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	170650	22.510	ug/l	98
20) Methylene Chloride	4.97	84	94381	24.482	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	88850	22.858	ug/l	98
22) Diisopropyl ether	6.37	45	246376	23.212	ug/l	96
23) Vinyl Acetate	6.31	43	667860	110.921	ug/l	98
24) 1,1-Dichloroethane	6.27	63	147863	23.205	ug/l	98
25) 2-Butanone	7.22	43	114888	122.179	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139761	23.590	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	95348	22.729	ug/l	95
28) Bromochloromethane	7.55	49	50738	20.484	ug/l	95
29) Tetrahydrofuran	7.57	42	66395	113.541	ug/l	97
30) Chloroform	7.71	83	152549	22.818	ug/l	97
31) Cyclohexane	7.98	56	137318	21.528	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	146055	23.260	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122289	22.669	ug/l	99
37) Ethyl Acetate	7.30	43	43982	20.754	ug/l #	93
38) Carbon Tetrachloride	8.10	117	132225	22.987	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	139061	21.284	ug/l	89
40) Benzene	8.35	78	335292	22.768	ug/l	97
41) Methacrylonitrile	7.53	41	22858	18.590	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	99971	23.492	ug/l	99
43) Isopropyl Acetate	8.46	43	93234	22.103	ug/l	100
44) Trichloroethene	9.11	130	96091	22.212	ug/l	94
45) 1,2-Dichloropropane	9.39	63	81354	23.137	ug/l	98
46) Dibromomethane	9.48	93	45029	22.970	ug/l	98
47) Bromodichloromethane	9.67	83	121015	23.199	ug/l	99
48) Methyl methacrylate	9.46	41	44176	22.242	ug/l	94
49) 1,4-Dioxane	9.47	88	10123	447.835	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	239989	115.105	ug/l	100
52) Toluene	10.41	92	217201	22.481	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110563	22.734	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	127714	22.271	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59263	22.432	ug/l	97
56) Ethyl methacrylate	10.66	69	72676	22.027	ug/l	95
57) 1,3-Dichloropropane	10.95	76	105319	23.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	152420	121.252	ug/l	99
59) 2-Hexanone	10.99	43	170948	120.803	ug/l	99
60) Dibromochloromethane	11.14	129	80129	21.933	ug/l	96
61) 1,2-Dibromoethane	11.25	107	58324	22.383	ug/l	99
64) Tetrachloroethene	10.88	164	82740	21.797	ug/l	97
65) Chlorobenzene	11.67	112	229293	22.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85112	21.985	ug/l	98
67) Ethyl Benzene	11.75	91	402769	21.608	ug/l	99
68) m/p-Xylenes	11.86	106	311324	43.273	ug/l	96
69) o-Xylene	12.18	106	138657	21.337	ug/l	96
70) Styrene	12.20	104	249123	21.840	ug/l	98
71) Bromoform	12.36	173	47541	21.534	ug/l #	97
73) Isopropylbenzene	12.48	105	382496	22.205	ug/l	99
74) N-amyl acetate	12.29	43	84256	22.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62366	23.047	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	85385	44.857	ug/l #	100
77) Bromobenzene	12.77	156	94334	22.287	ug/l	98
78) n-propylbenzene	12.83	91	452797	22.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	247242	22.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	314476	22.224	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20291	22.295	ug/l	95
82) 4-Chlorotoluene	13.01	91	267743	22.790	ug/l	98
83) tert-Butylbenzene	13.23	119	270169	21.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	311910	22.133	ug/l	100
85) sec-Butylbenzene	13.41	105	373822	22.194	ug/l	98
86) p-Isopropyltoluene	13.53	119	345792	21.470	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	178645	22.140	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177650	22.412	ug/l	98
89) n-Butylbenzene	13.85	91	324350	22.363	ug/l	98
90) Hexachloroethane	14.12	117	69047	22.443	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153542	22.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10217	23.290	ug/l	92

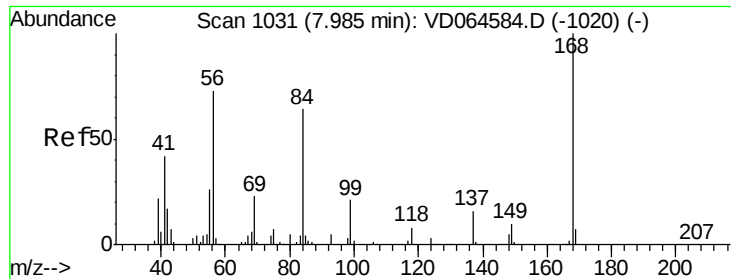
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107811	21.281	ug/l	99
94) Hexachlorobutadiene	15.27	225	65994	20.701	ug/l	96
95) Naphthalene	15.41	128	166588	20.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	92664	21.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

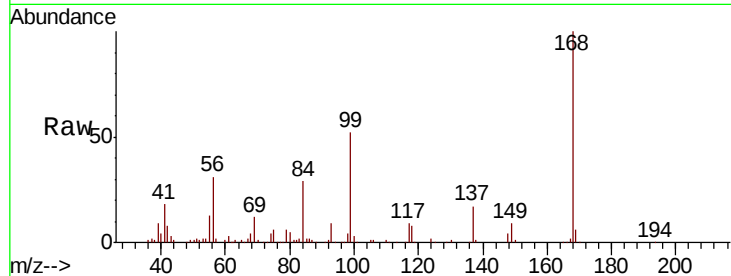
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

Tot Ion:168 Resp: 387952

Ion Ratio Lower Upper

168 100

99 51.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

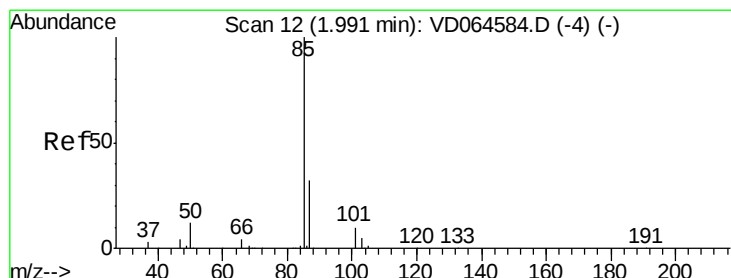
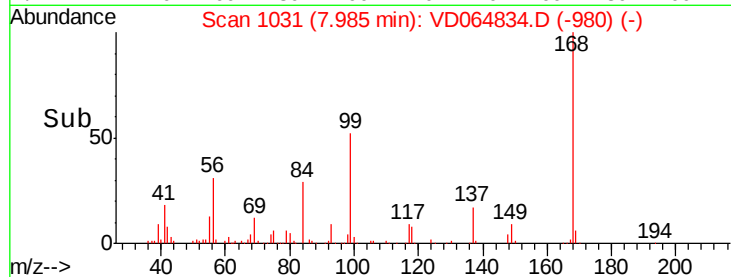
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.348 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064834.D

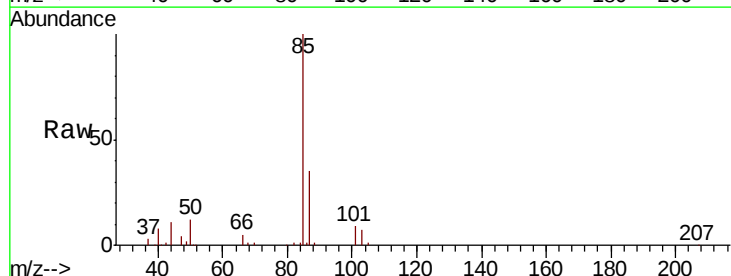
Acq: 10 Jan 2020 15:40

Tgt Ion: 85 Resp: 64363

Ion Ratio Lower Upper

85 100

87 35.1 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

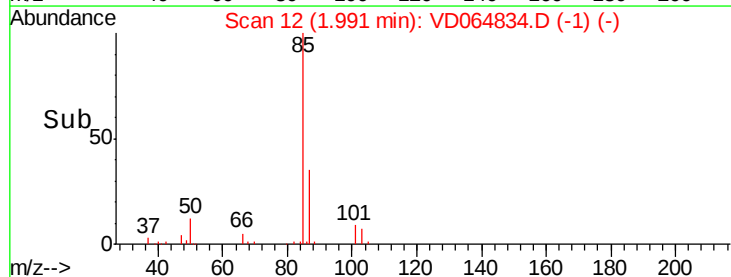
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.157 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

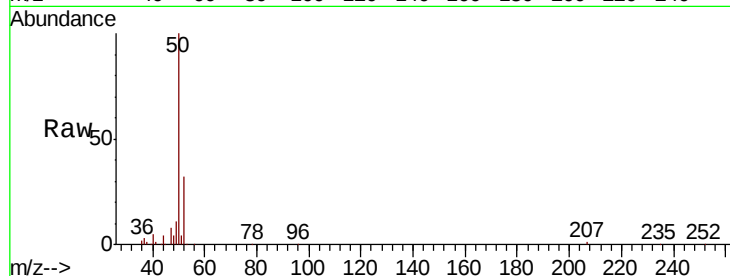
VD0110SBS01

Tot Ion: 50 Resp: 97643

Ion Ratio Lower Upper

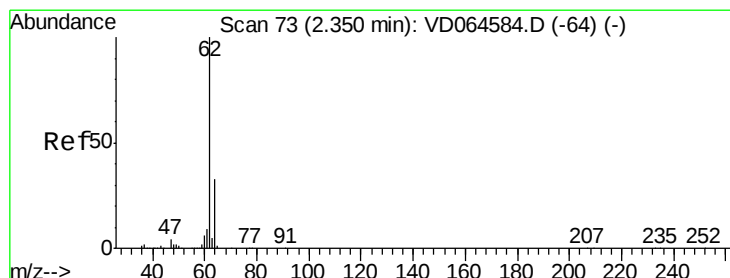
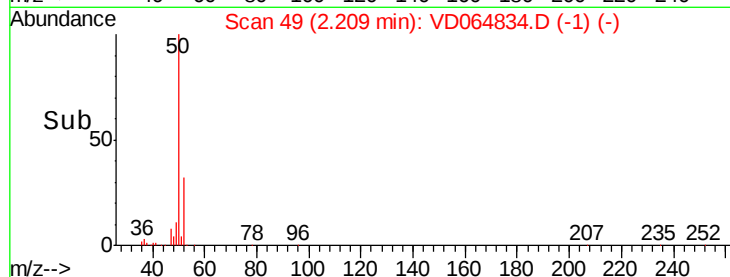
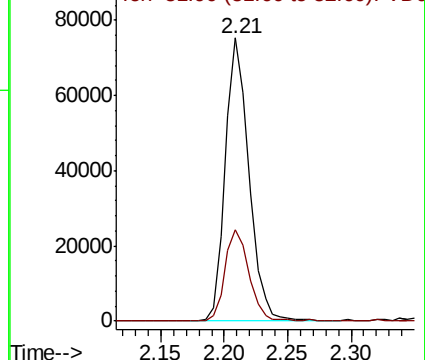
50 100

52 32.2 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: 22.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064834.D

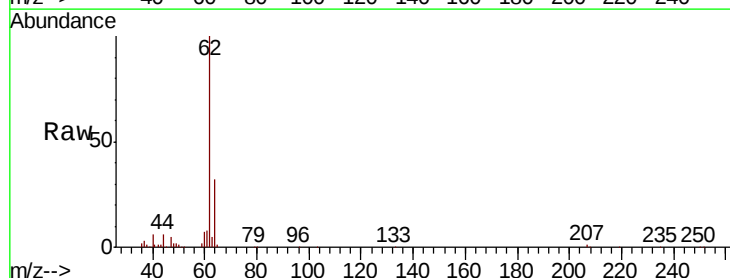
Acq: 10 Jan 2020 15:40

Tgt Ion: 62 Resp: 114496

Ion Ratio Lower Upper

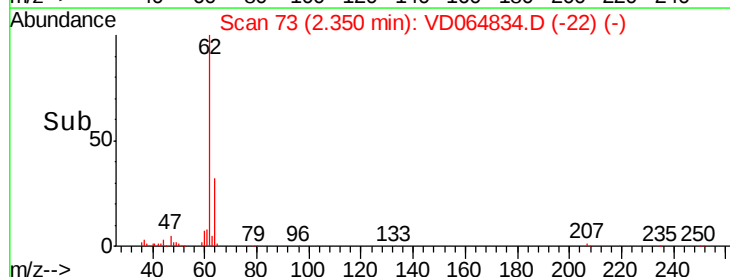
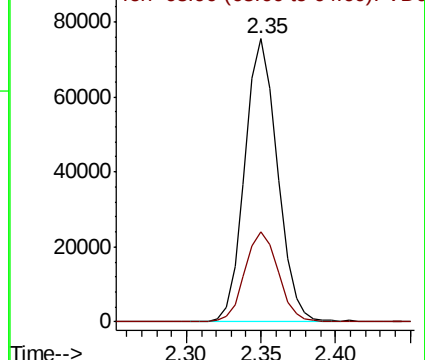
62 100

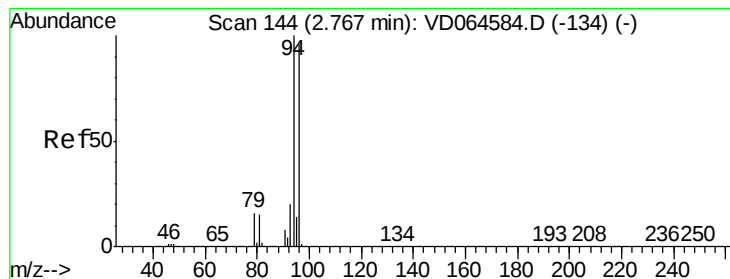
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.048 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

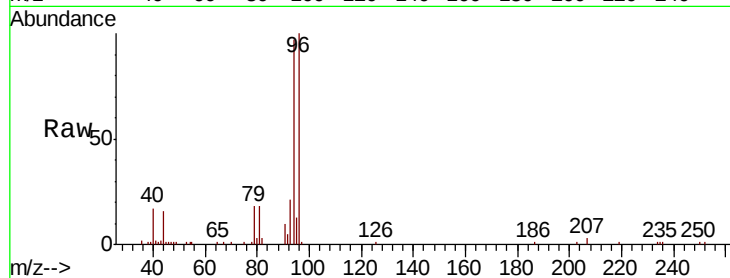
VD0110SBSD01

Tot Ion: 94 Resp: 78682

Ion Ratio Lower Upper

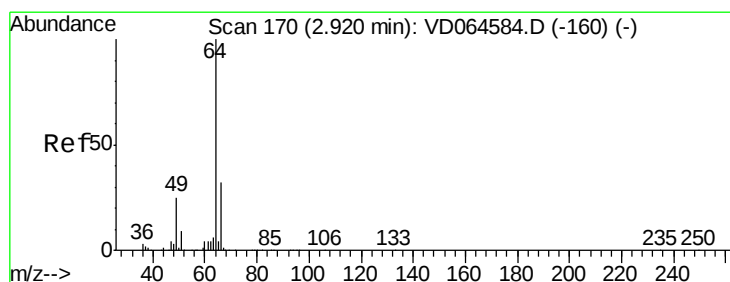
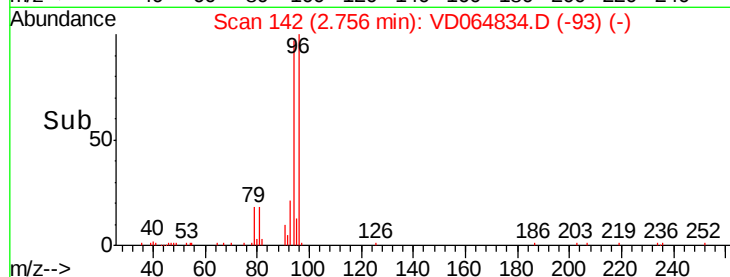
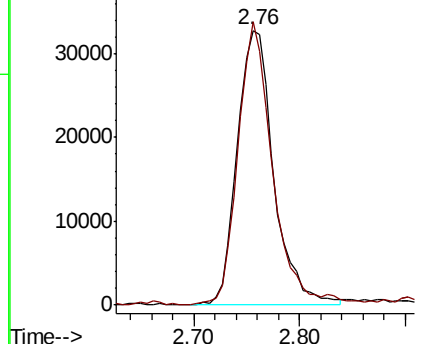
94 100

96 103.1 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: 22.242 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064834.D

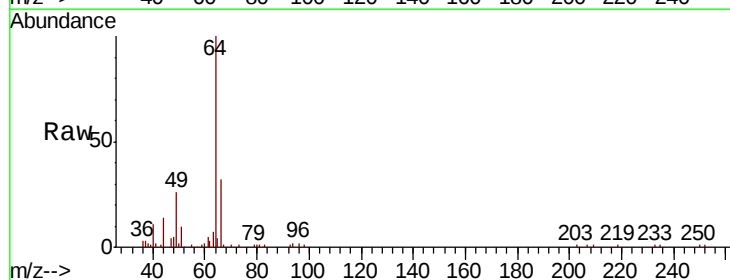
Acq: 10 Jan 2020 15:40

Tgt Ion: 64 Resp: 76622

Ion Ratio Lower Upper

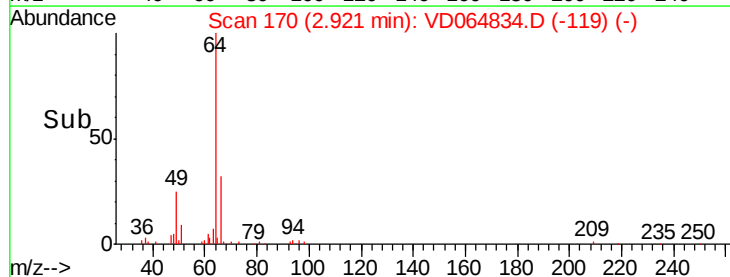
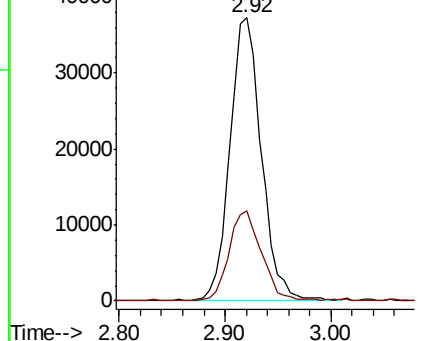
64 100

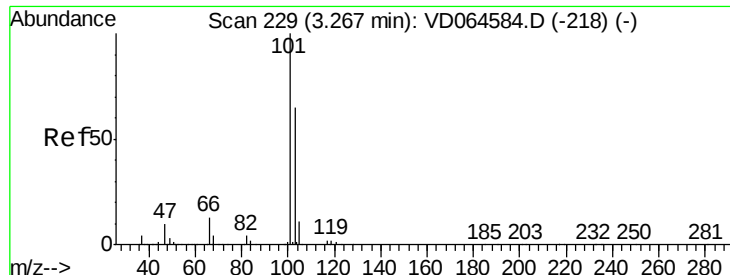
66 31.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



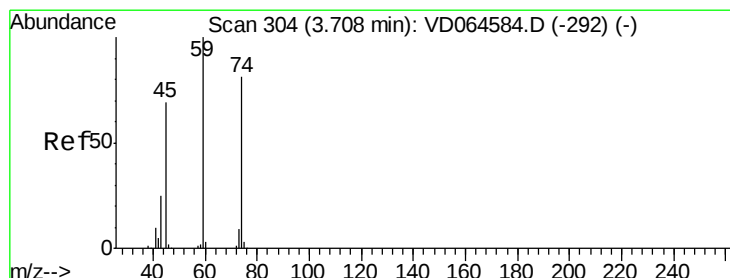
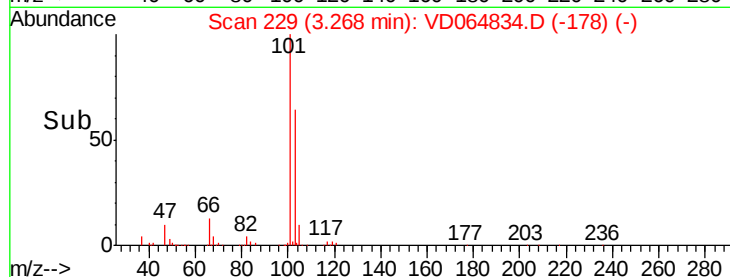
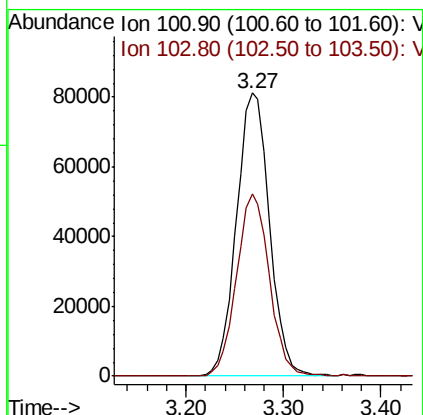
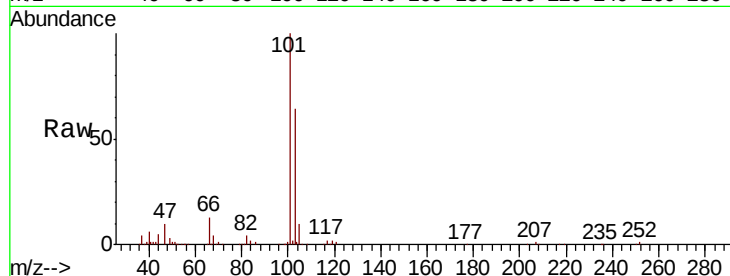


#7

Trichlorofluoromethane
 Concen: 22.256 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBSD01

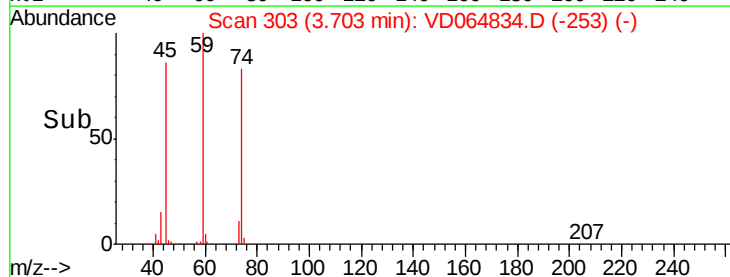
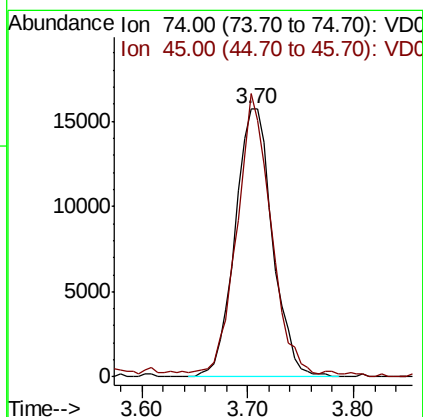
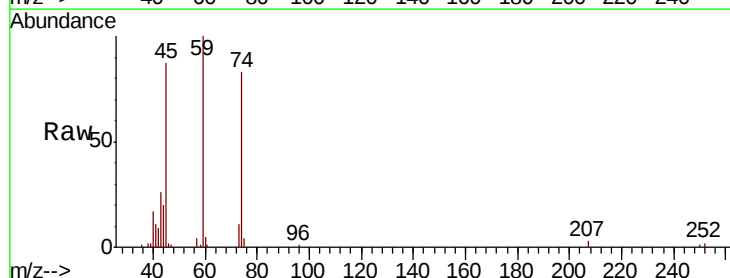
Tot Ion:101 Resp: 192662
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.2 78.4

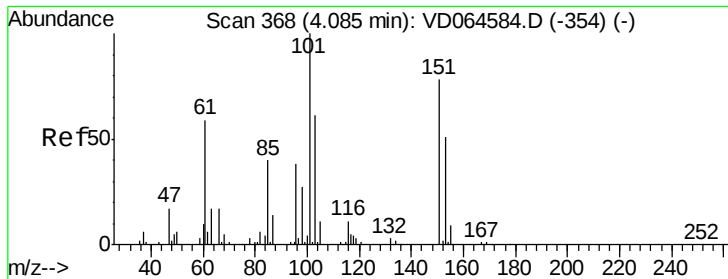


#8

Diethyl Ether
 Concen: 22.528 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 74 Resp: 38725
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.827 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

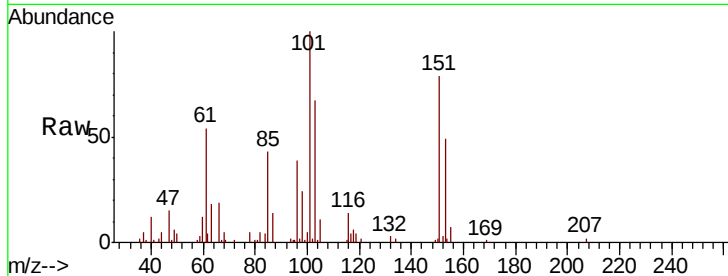
Tot Ion:101 Resp: 81837

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

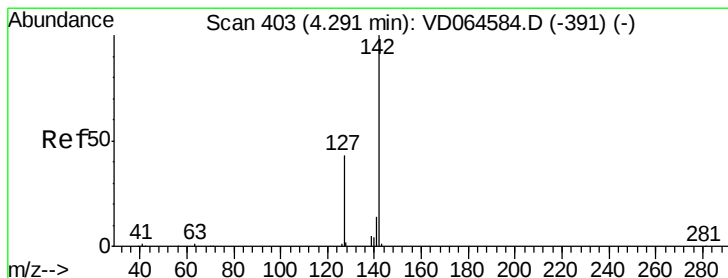
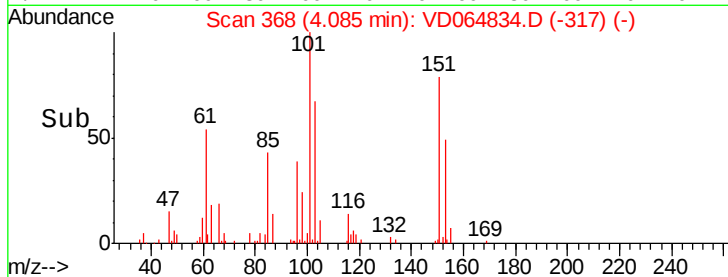
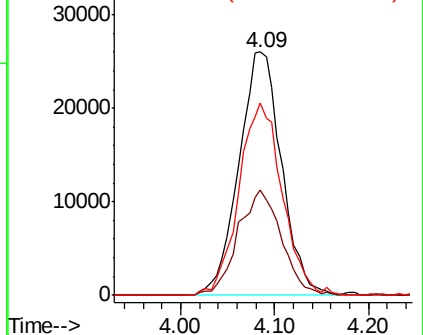
151 79.9 66.2 99.4



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: 20.699 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

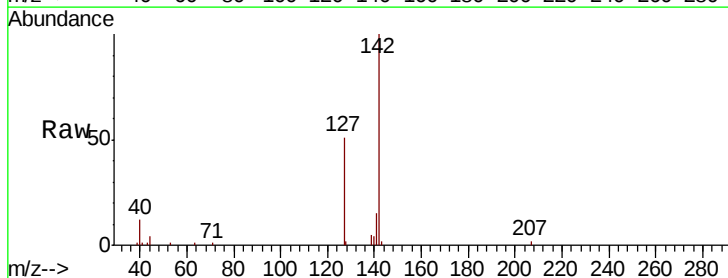
Tgt Ion:142 Resp: 79709

Ion Ratio Lower Upper

142 100

127 45.9 36.2 54.4

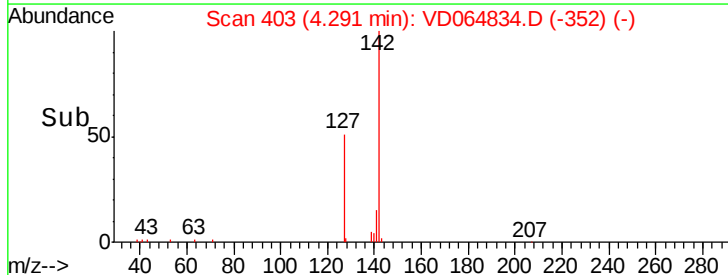
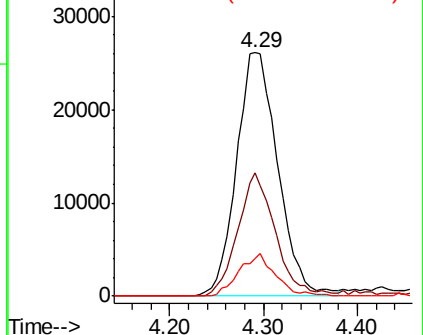
141 15.3 11.8 17.8

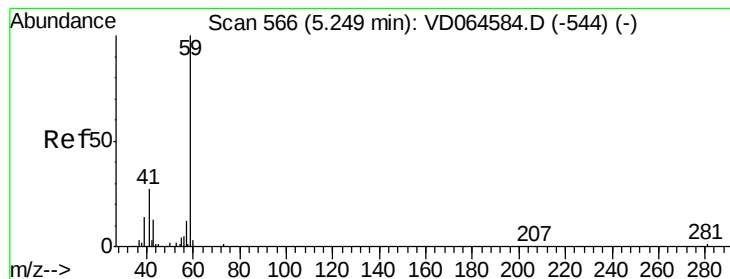


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



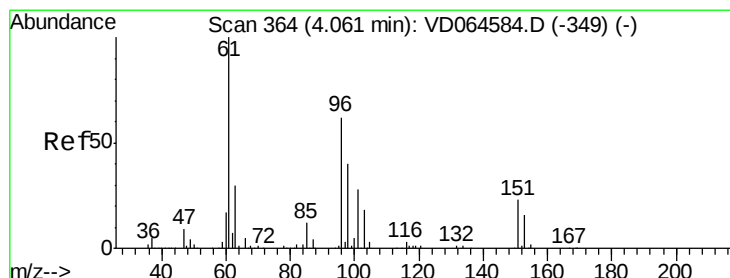
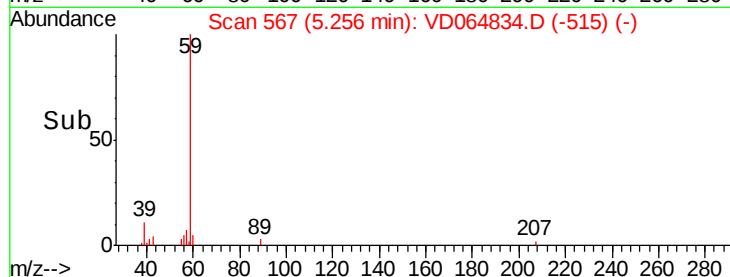
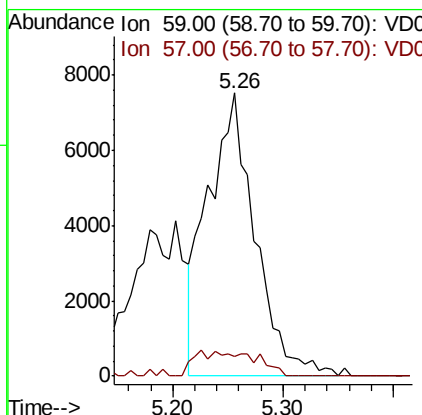
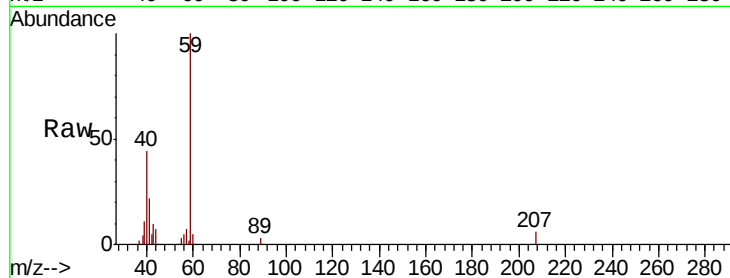


#11

Tert butyl alcohol
Concen: 114.300 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

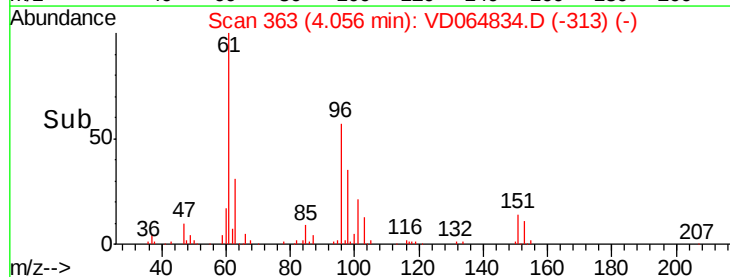
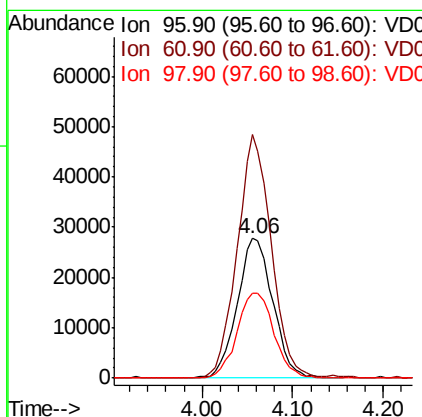
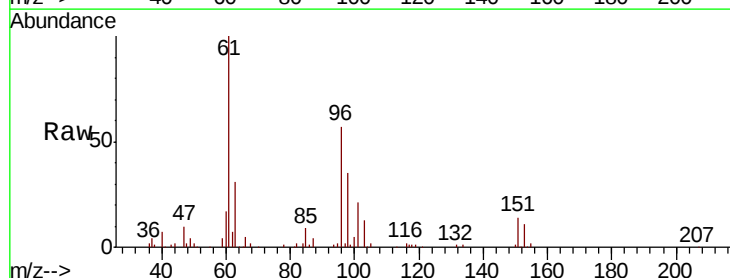
Tot Ion: 59 Resp: 22409
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

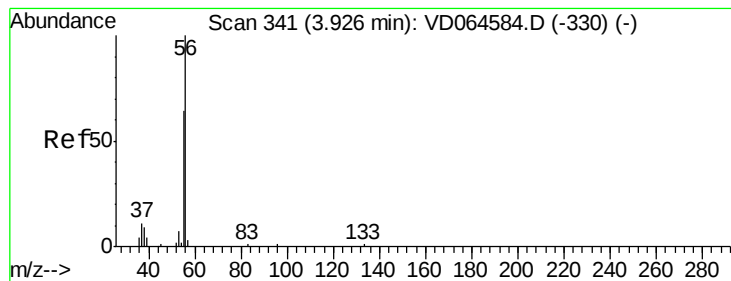


#12

1,1-Dichloroethene
Concen: 22.218 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 96 Resp: 75832
Ion Ratio Lower Upper
96 100
61 174.4 129.4 194.0
98 60.9 51.4 77.0





#13

Acrolein

Concen: 76.734 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

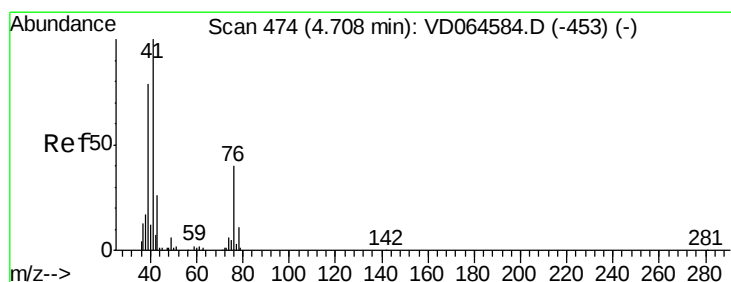
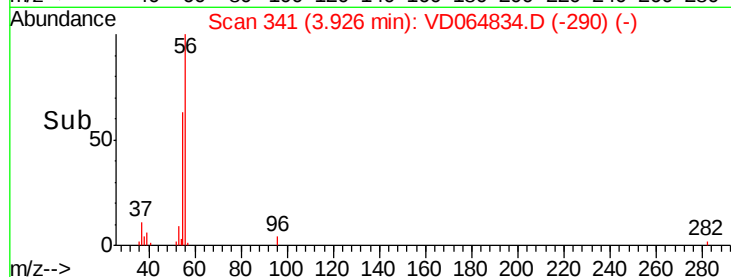
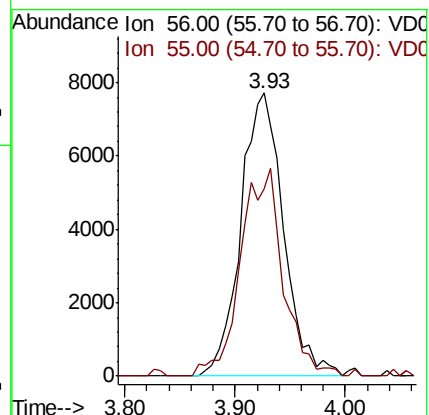
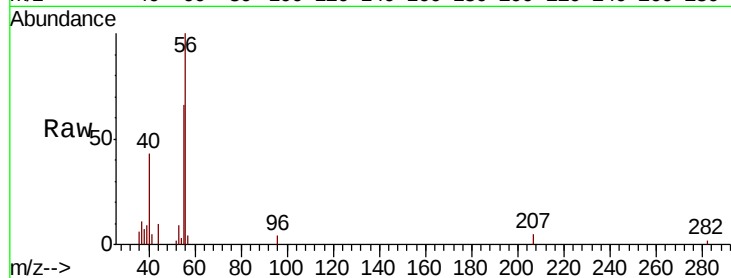
VD0110SBS01

Tot Ion: 56 Resp: 20966

Ion Ratio Lower Upper

56 100

55 72.7 56.7 85.1



#14

Allyl chloride

Concen: 22.270 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

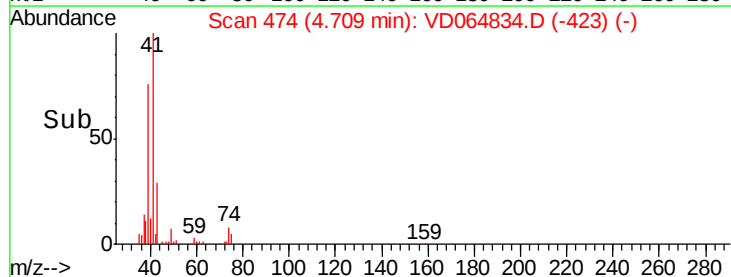
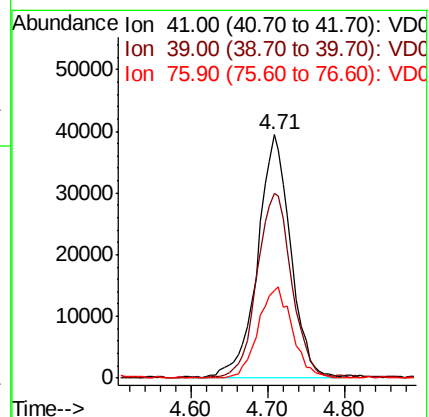
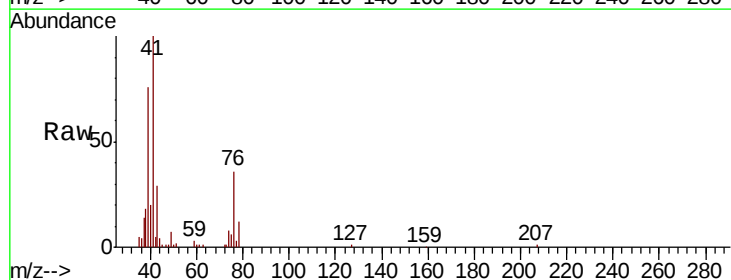
Tgt Ion: 41 Resp: 118512

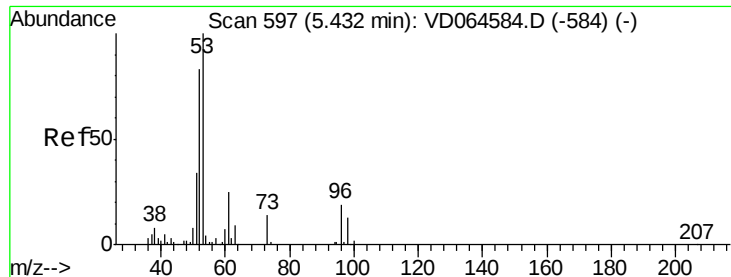
Ion Ratio Lower Upper

41 100

39 79.5 62.3 93.5

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 115.490 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

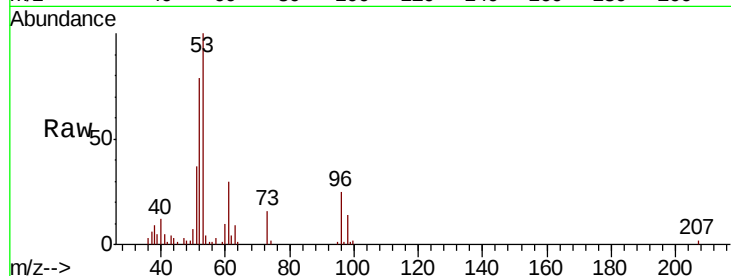
Tot Ion: 53 Resp: 82694

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

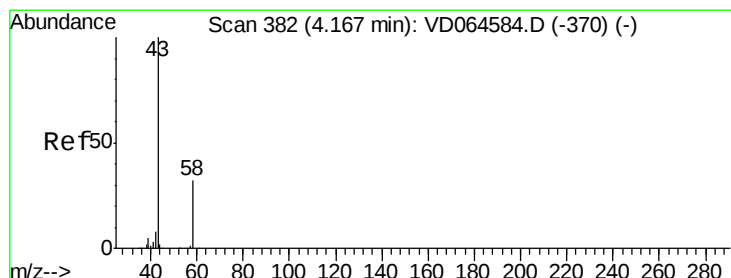
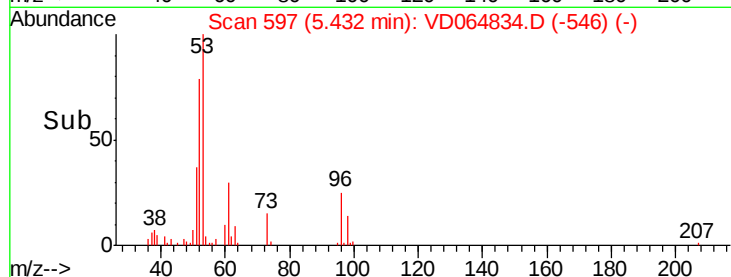
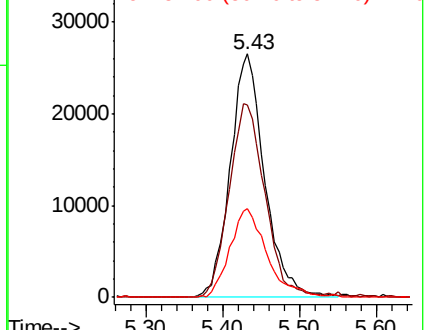
51 39.2 30.1 45.1



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: 115.231 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064834.D

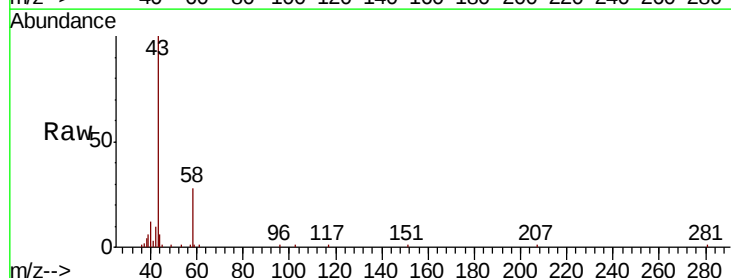
Acq: 10 Jan 2020 15:40

Tgt Ion: 43 Resp: 86729

Ion Ratio Lower Upper

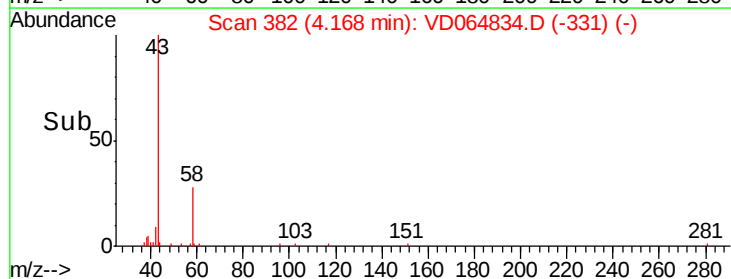
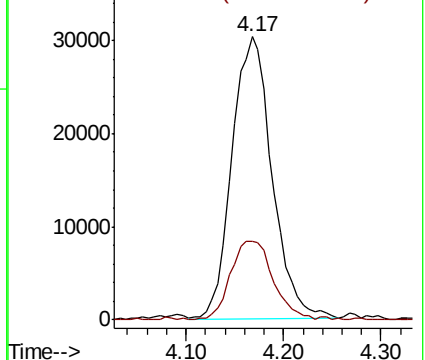
43 100

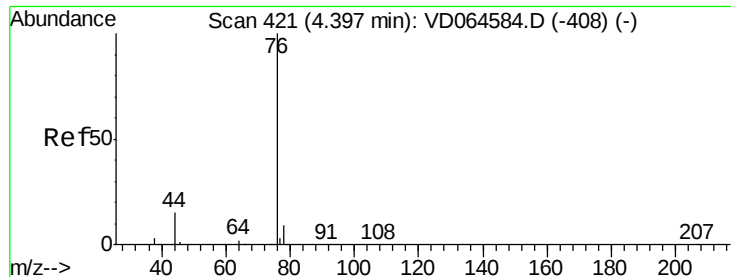
58 27.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

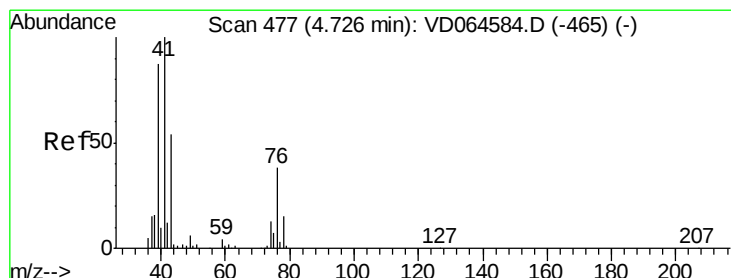
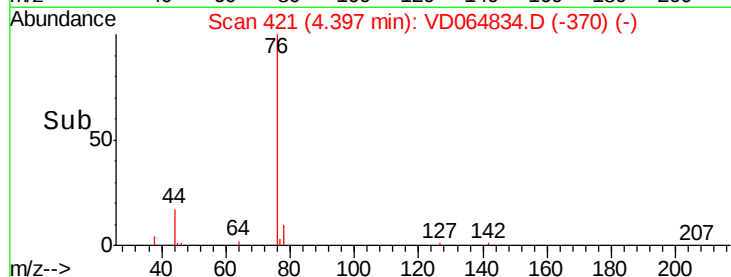
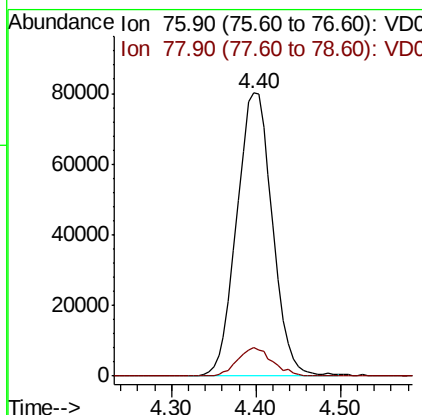
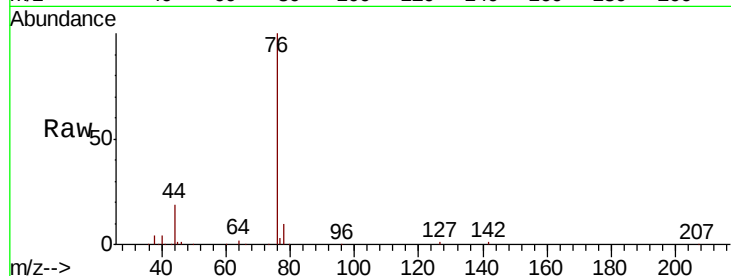




#17
Carbon Disulfide
Concen: 21.267 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

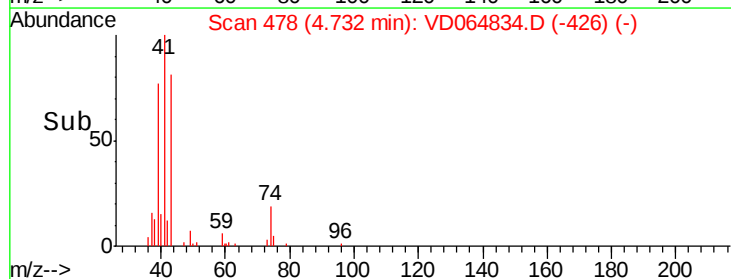
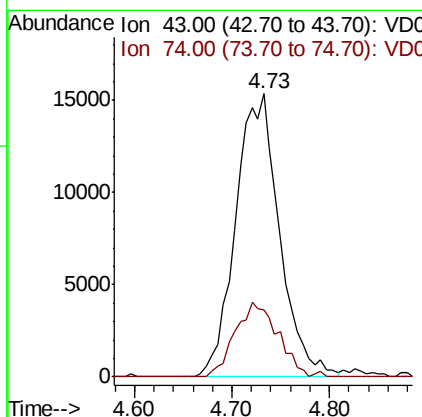
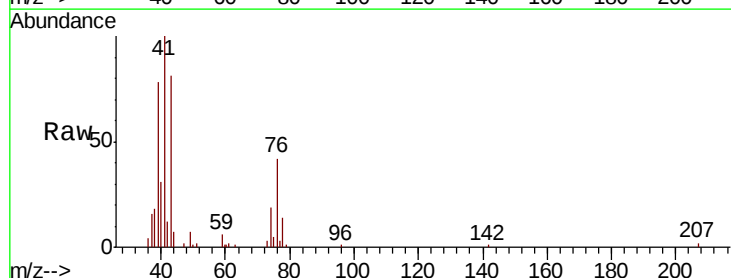
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

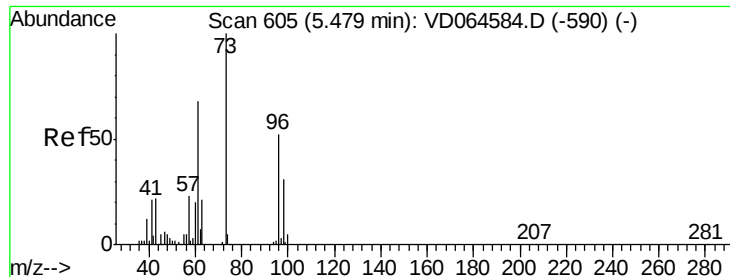
Tot Ion: 76 Resp: 234710
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#18
Methyl Acetate
Concen: 25.016 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 43 Resp: 48179
Ion Ratio Lower Upper
43 100
74 25.5 19.2 28.8



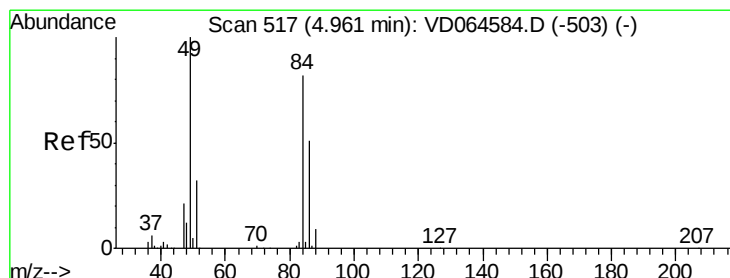
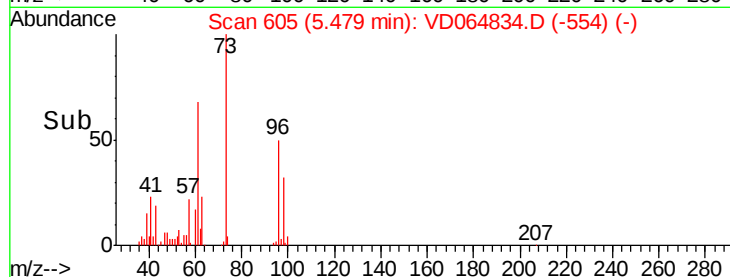
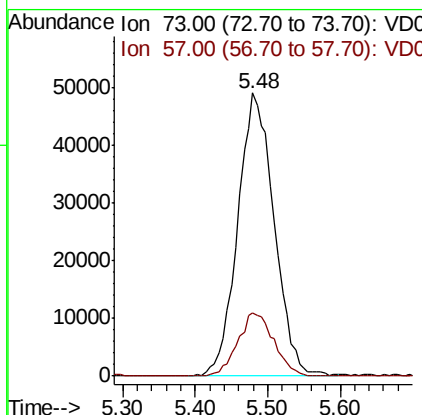
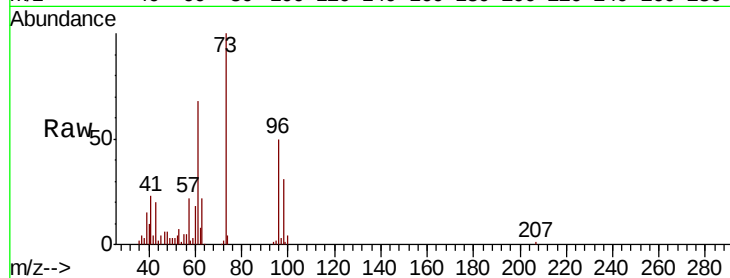


#19

Methyl tert-butyl Ether
 Concen: 22.510 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0110SBS01

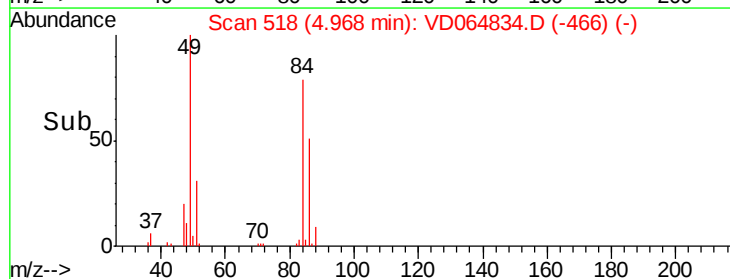
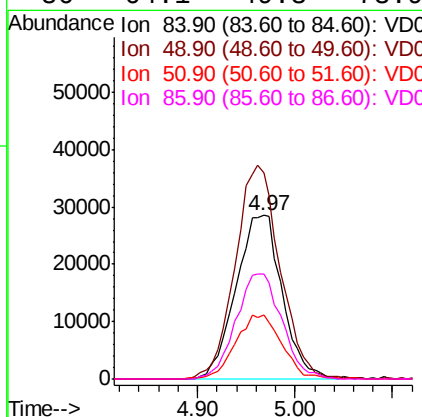
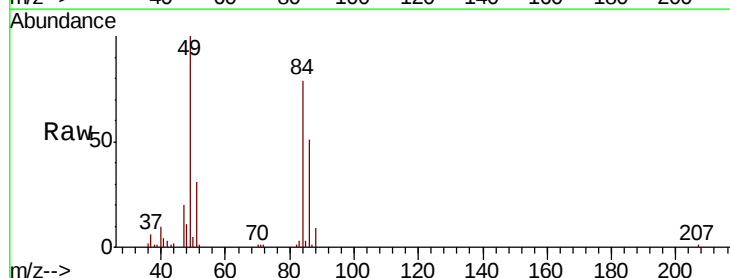
Tot Ion: 73 Resp: 170650
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.6 27.8

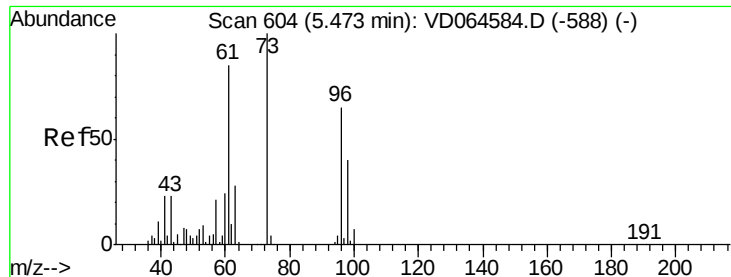


#20

Methylene Chloride
 Concen: 24.482 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 84 Resp: 94381
 Ion Ratio Lower Upper
 84 100
 49 126.5 97.2 145.8
 51 38.7 31.4 47.0
 86 64.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.858 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

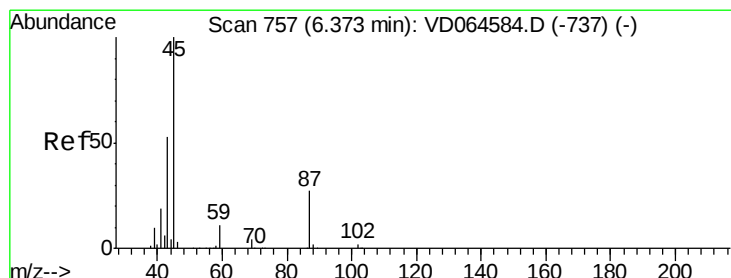
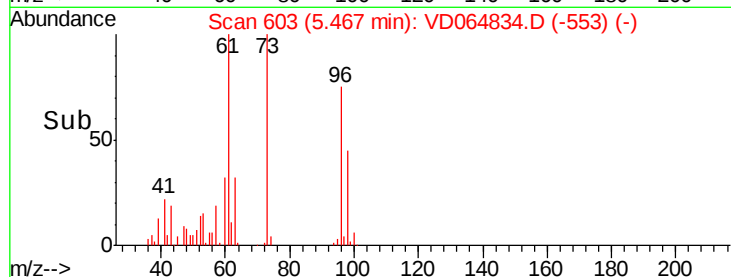
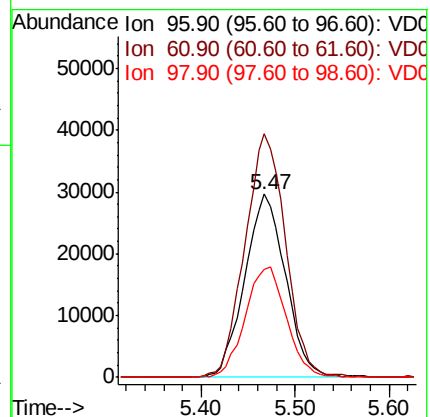
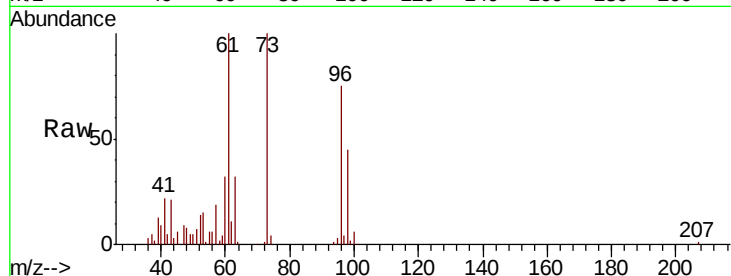
Tot Ion: 96 Resp: 88850

Ion Ratio Lower Upper

96 100

61 133.2 104.7 157.1

98 59.4 49.4 74.2



#22

Diisopropyl ether

Concen: 23.212 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion: 45 Resp: 246376

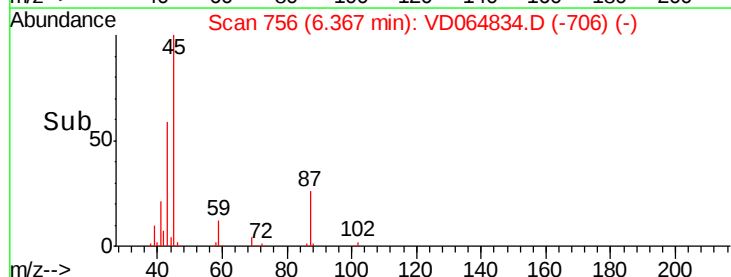
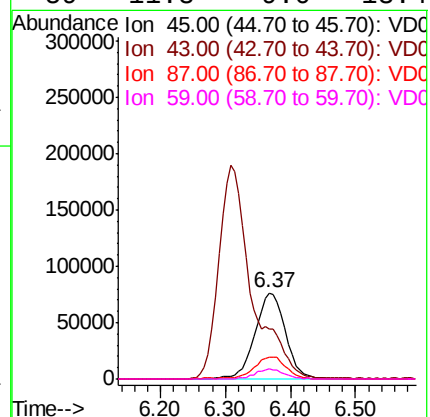
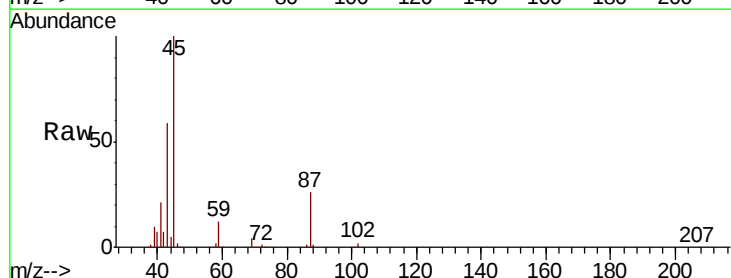
Ion Ratio Lower Upper

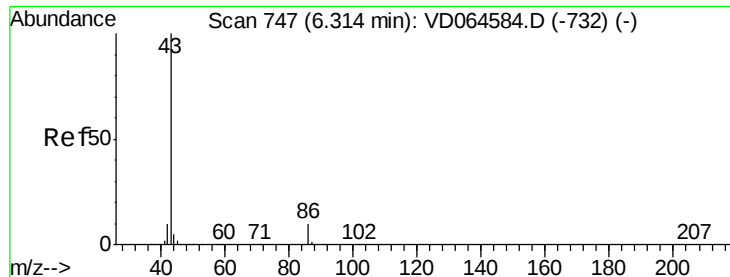
45 100

43 57.8 43.2 64.8

87 26.1 21.9 32.9

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 110.921 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

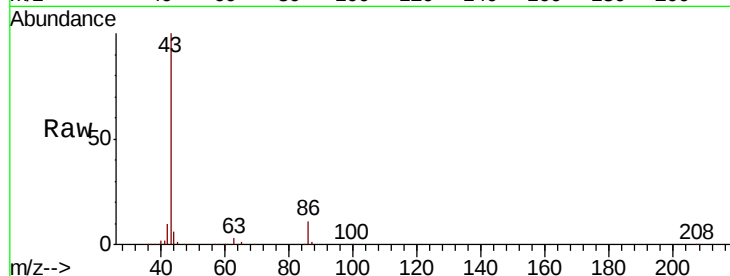
VD0110SBSD01

Tot Ion: 43 Resp: 667860

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

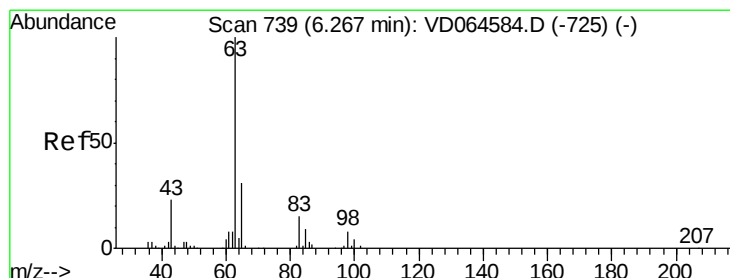
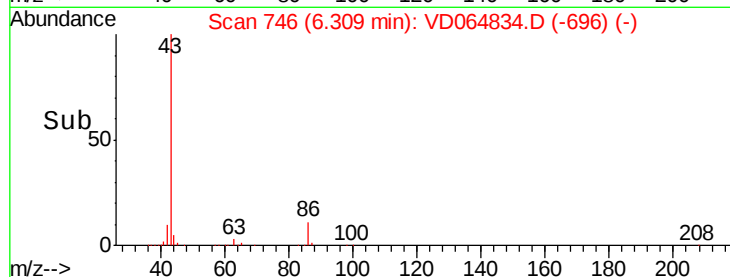
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 23.205 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

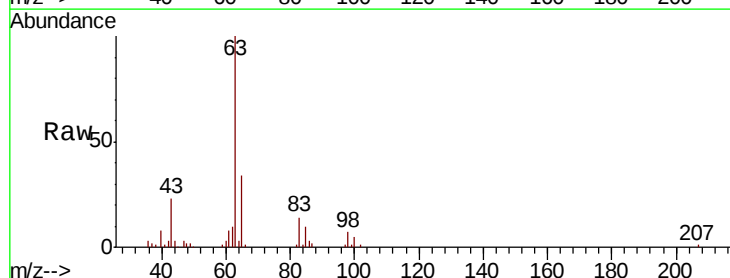
Tgt Ion: 63 Resp: 147863

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

100 4.9 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

6.27

60000

50000

40000

30000

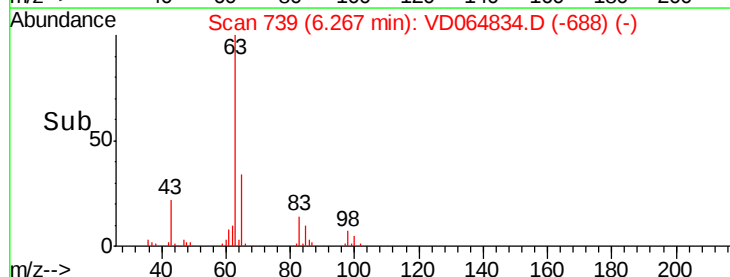
20000

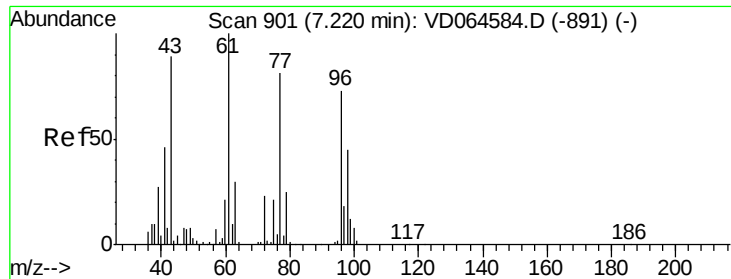
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 122.179 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

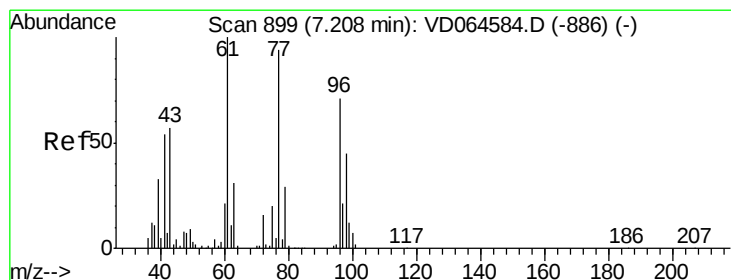
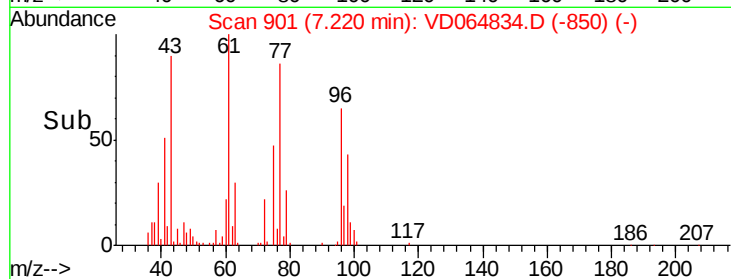
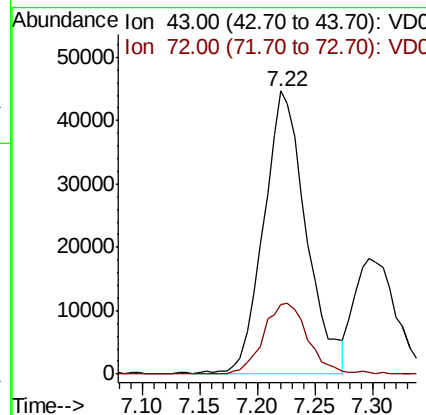
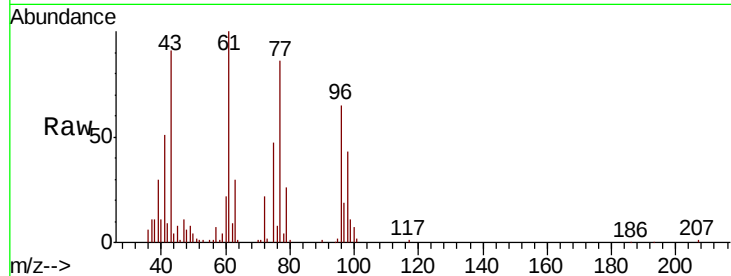
VD0110SBS01

Tot Ion: 43 Resp: 114888

Ion Ratio Lower Upper

43 100

72 24.6 20.7 31.1



#26

2,2-Dichloropropane

Concen: 23.590 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064834.D

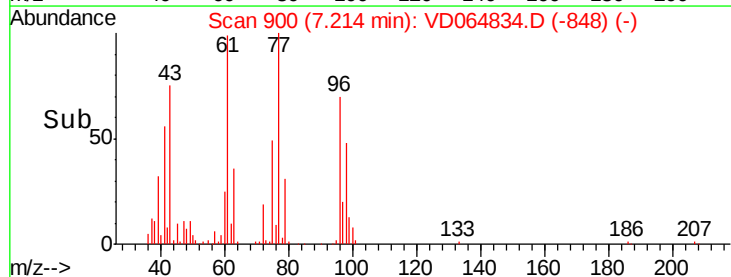
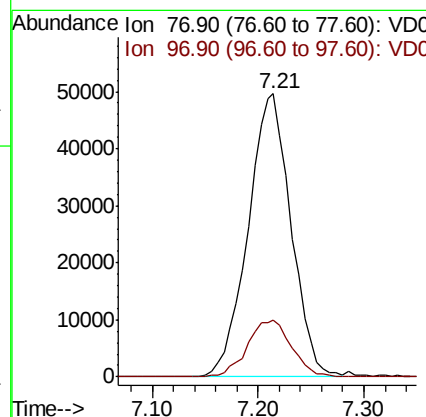
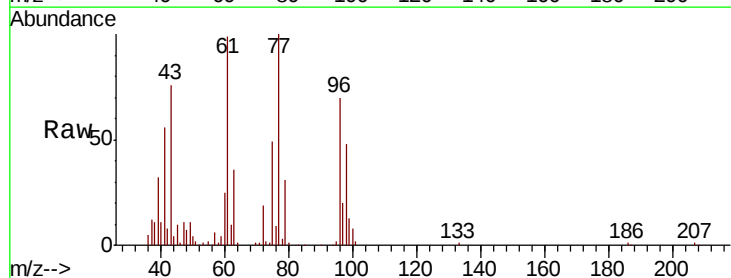
Acq: 10 Jan 2020 15:40

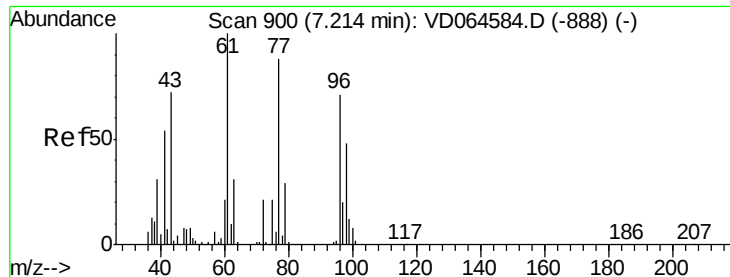
Tgt Ion: 77 Resp: 139761

Ion Ratio Lower Upper

77 100

97 20.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.729 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

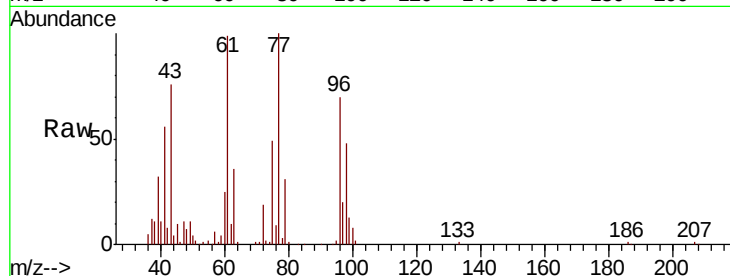
Tot Ion: 96 Resp: 95348

Ion Ratio Lower Upper

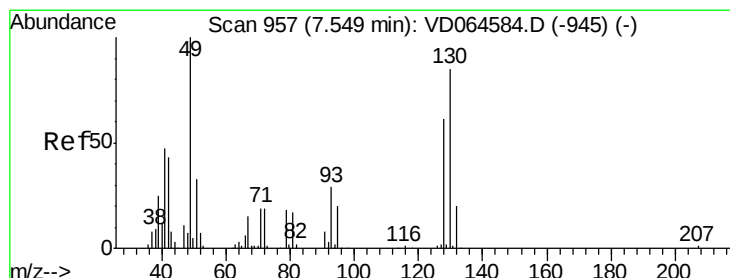
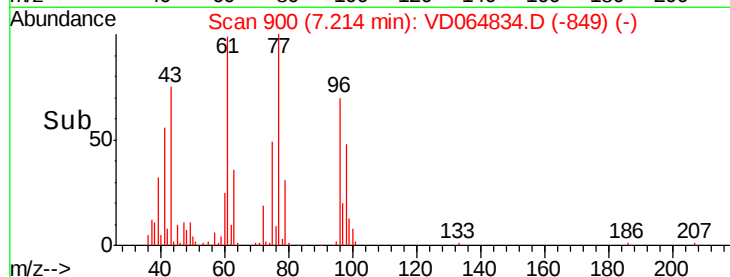
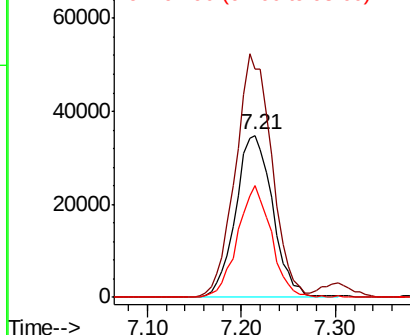
96 100

61 147.7 0.0 282.6

98 62.6 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: 20.484 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

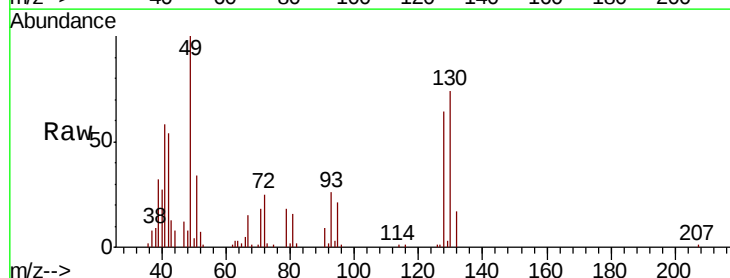
Tgt Ion: 49 Resp: 50738

Ion Ratio Lower Upper

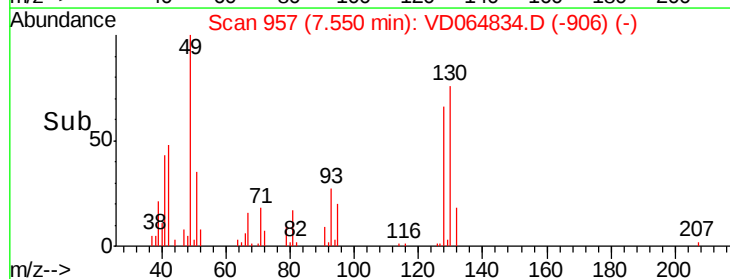
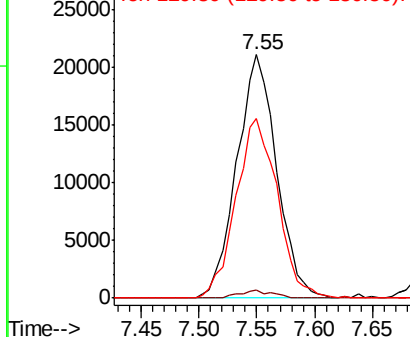
49 100

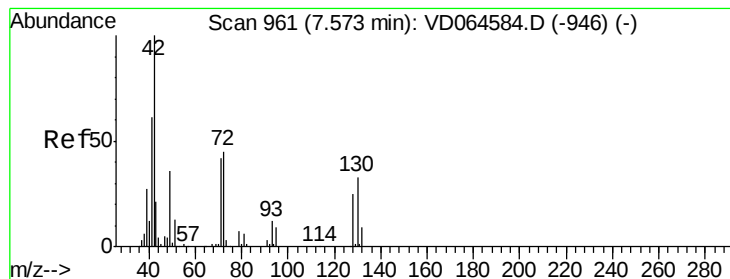
129 2.5 0.0 4.8

130 76.9 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: 113.541 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

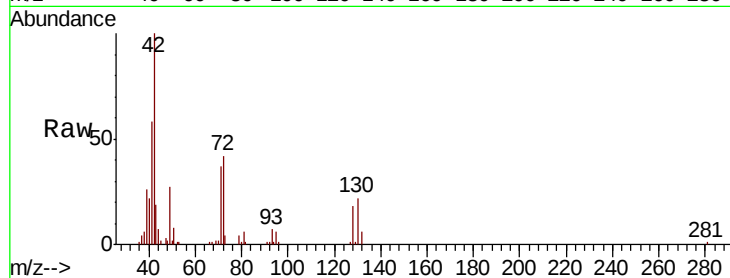
Tot Ion: 42 Resp: 66395

Ion Ratio Lower Upper

42 100

72 44.9 35.0 52.4

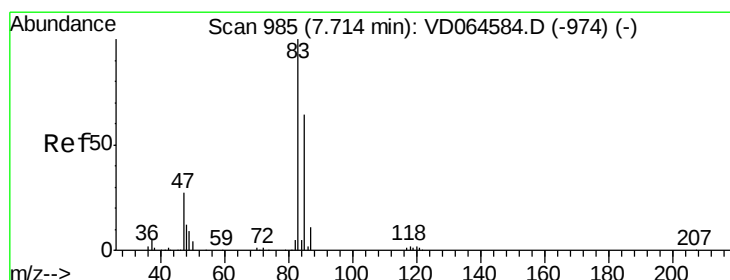
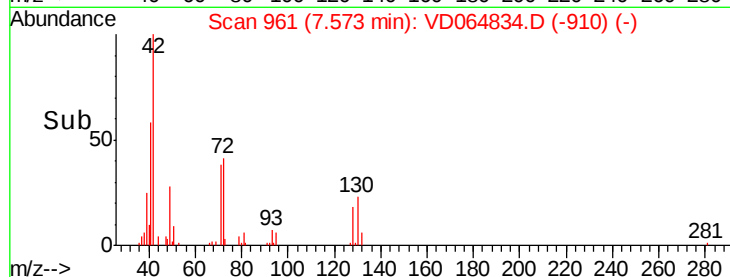
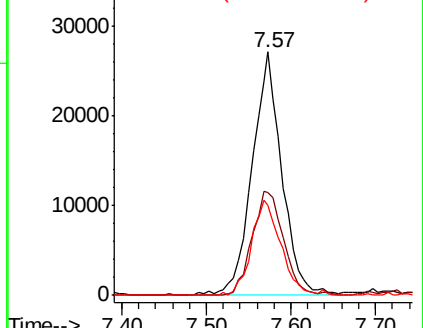
71 38.5 32.9 49.3



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: 22.818 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064834.D

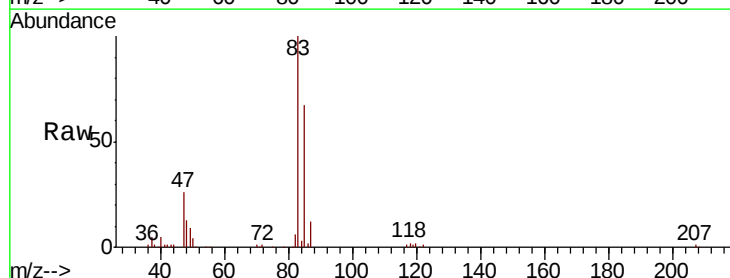
Acq: 10 Jan 2020 15:40

Tgt Ion: 83 Resp: 152549

Ion Ratio Lower Upper

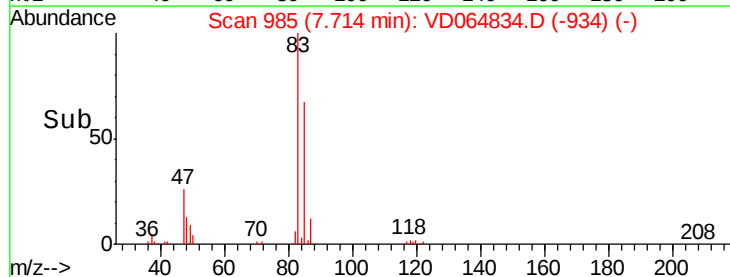
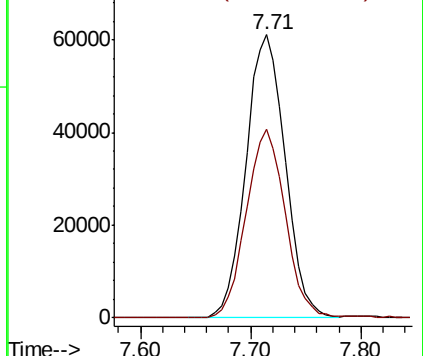
83 100

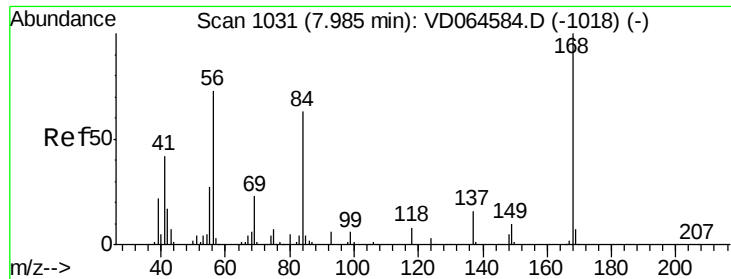
85 66.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

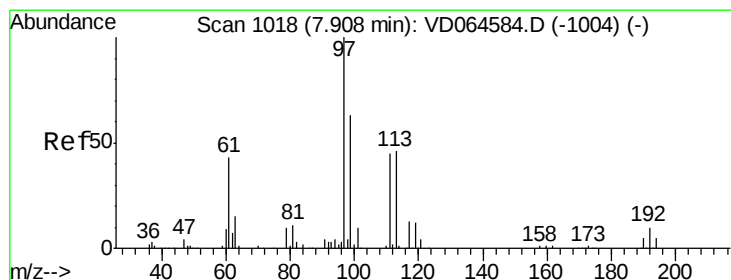
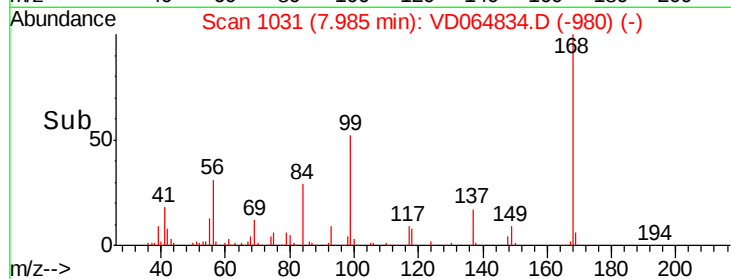
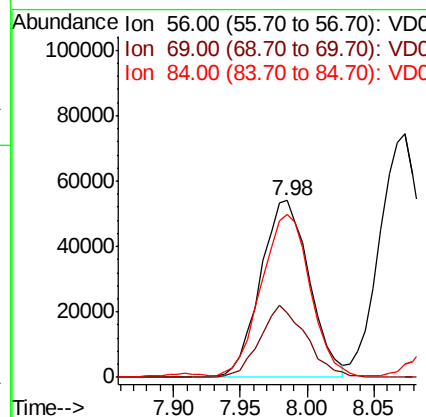
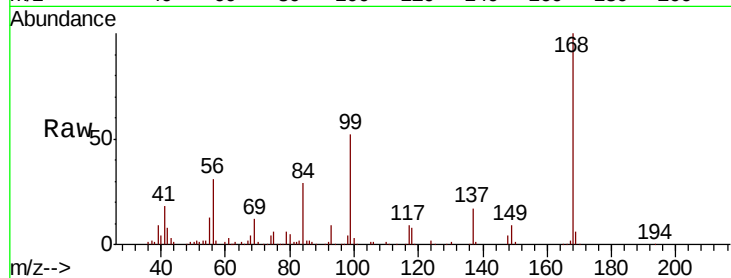




#31
Cyclohexane
Concen: 21.528 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

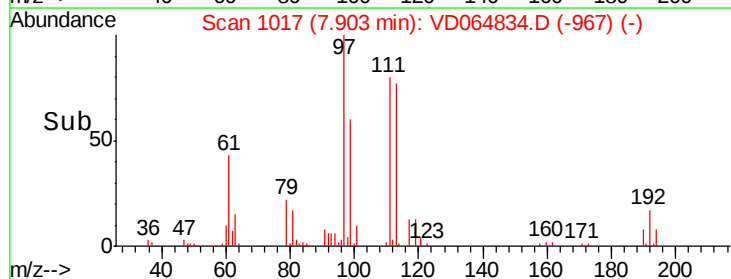
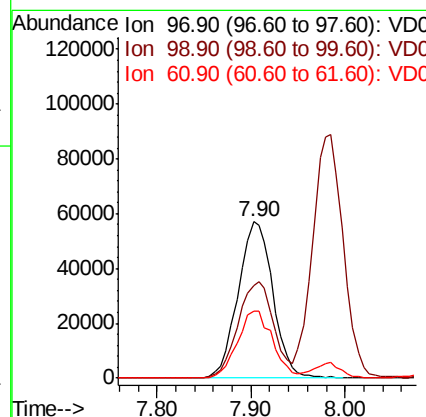
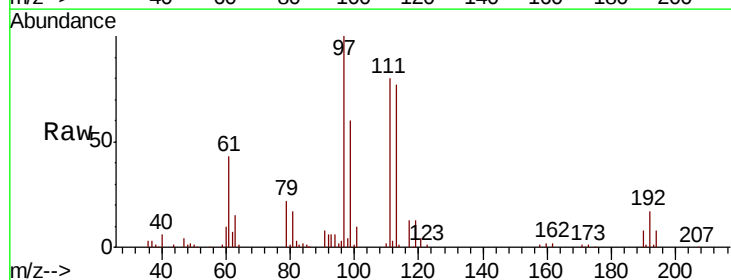
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

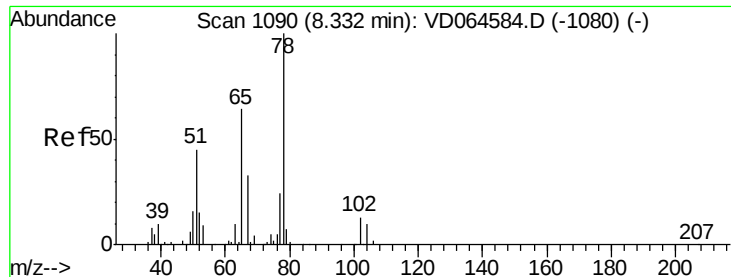
Tot Ion: 56 Resp: 137318
Ion Ratio Lower Upper
56 100
69 36.3 24.7 37.1
84 90.7 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 23.260 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 97 Resp: 146055
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 43.4 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 54.220 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

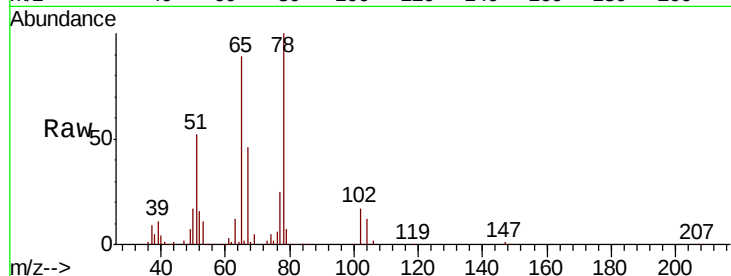
VD0110SBS01

Tot Ion: 65 Resp: 185483

Ion Ratio Lower Upper

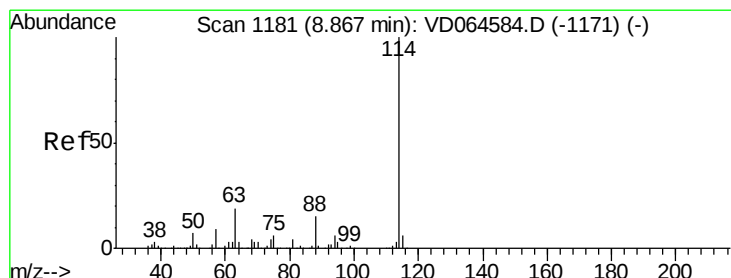
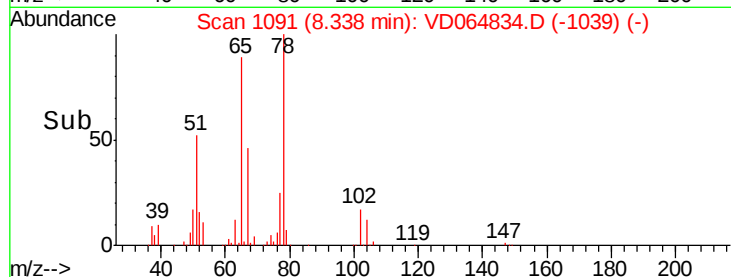
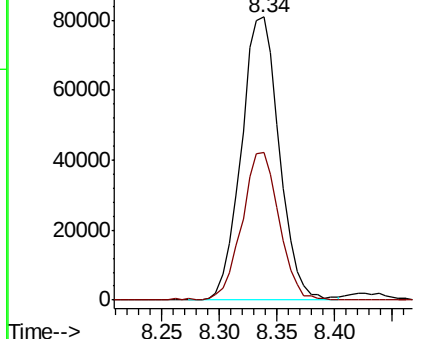
65 100

67 51.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

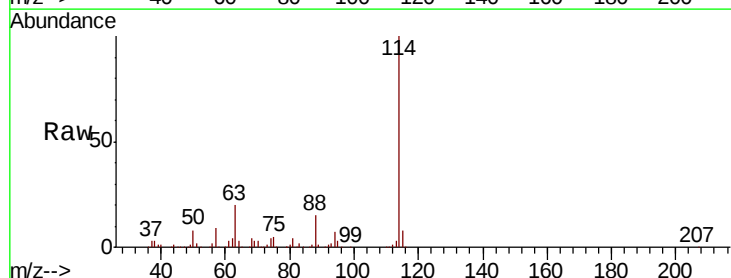
Tgt Ion: 114 Resp: 560471

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

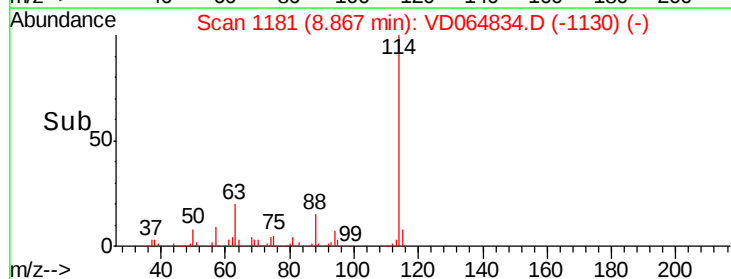
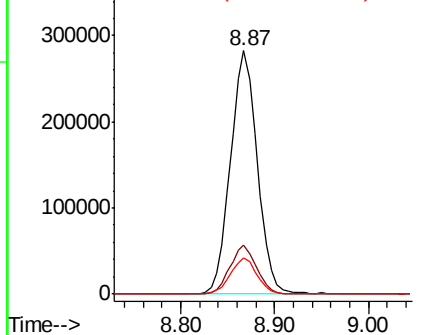
88 14.6 0.0 29.2

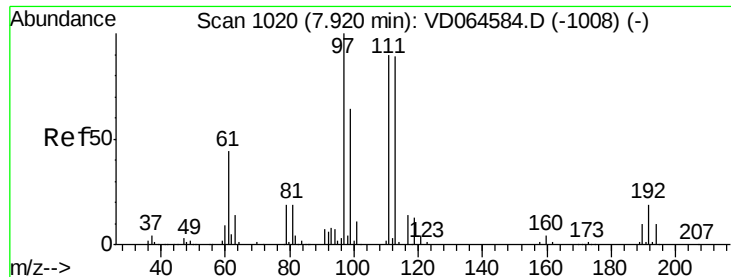


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

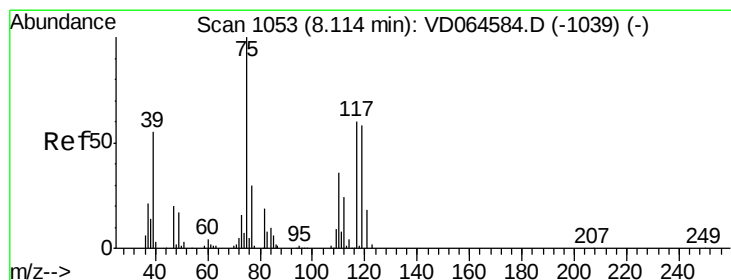
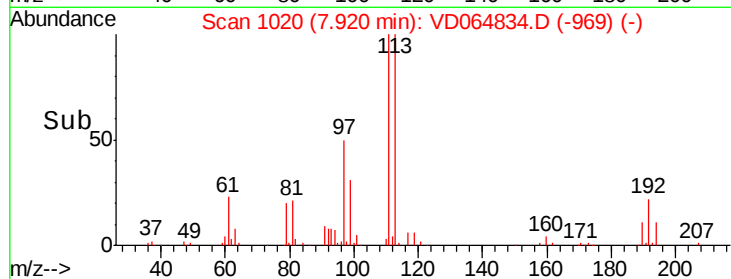
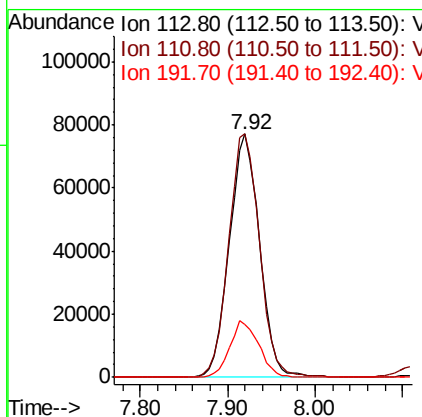
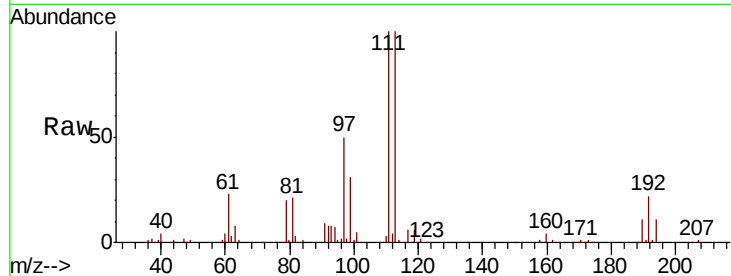




#35
 Dibromofluoromethane
 Concen: 52.547 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

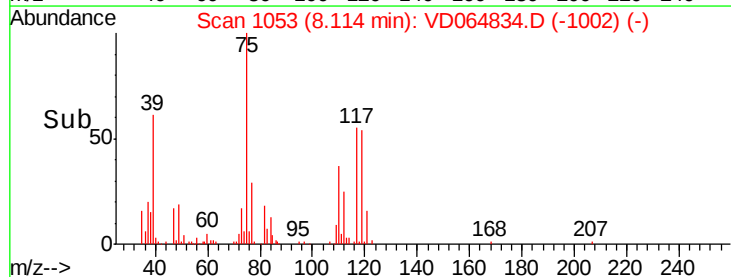
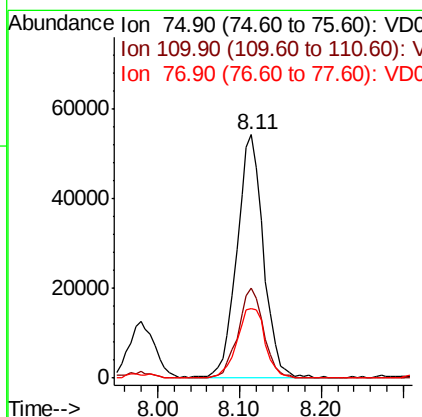
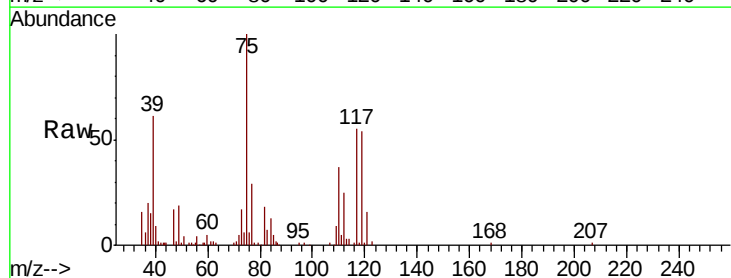
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.6	121.0
192	22.4	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 22.669 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	30.7	24.2	36.4

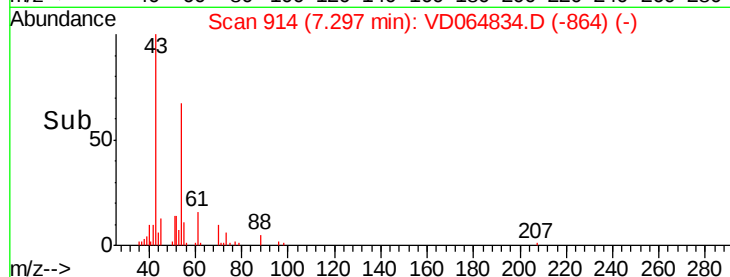
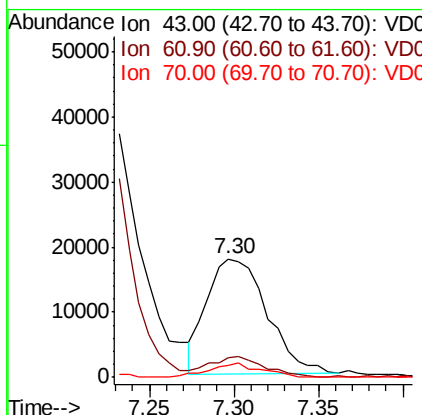
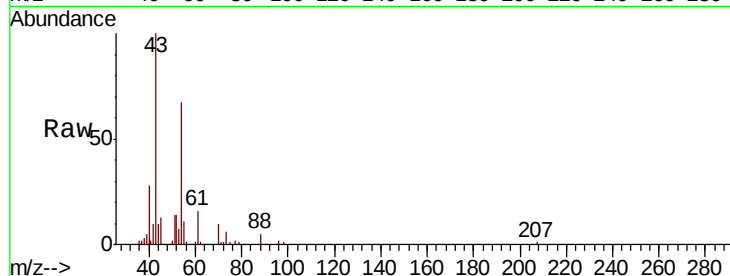




#37
Ethyl Acetate
Concen: 20.754 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

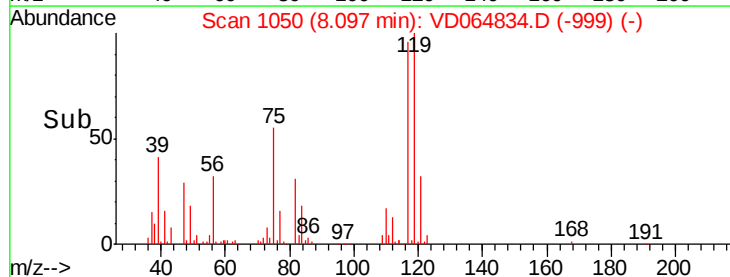
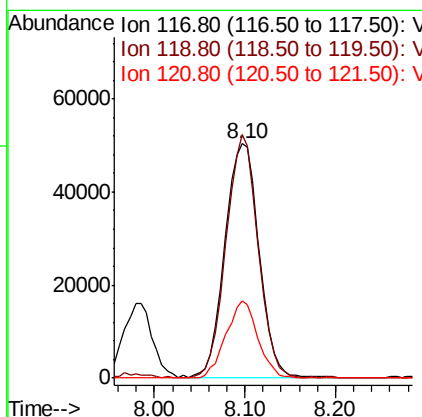
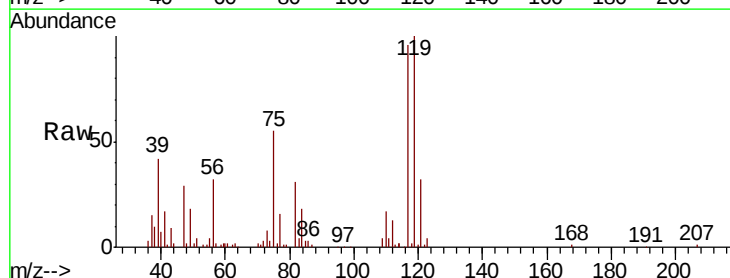
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 43982
Ion Ratio Lower Upper
43 100
61 16.4 10.3 15.5#
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 22.987 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 117 Resp: 132225
Ion Ratio Lower Upper
117 100
119 103.6 77.3 115.9
121 32.8 25.0 37.6

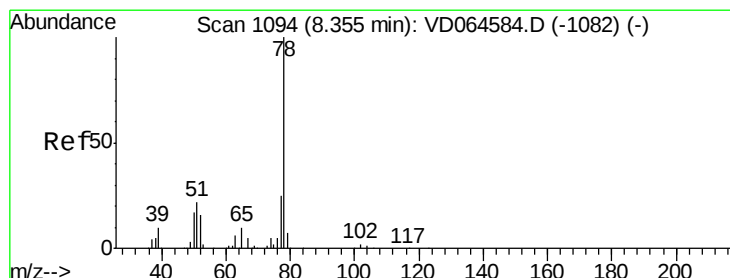
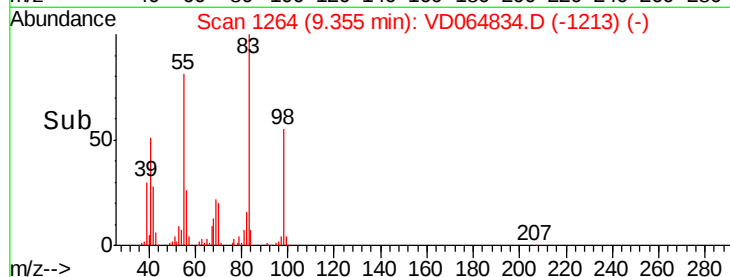
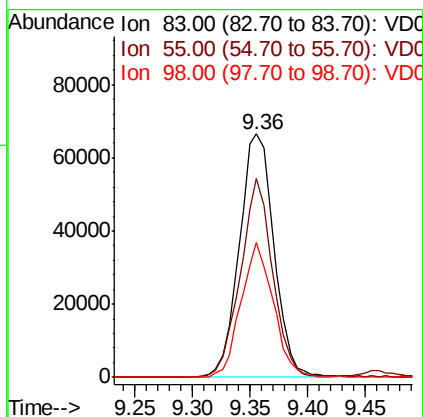
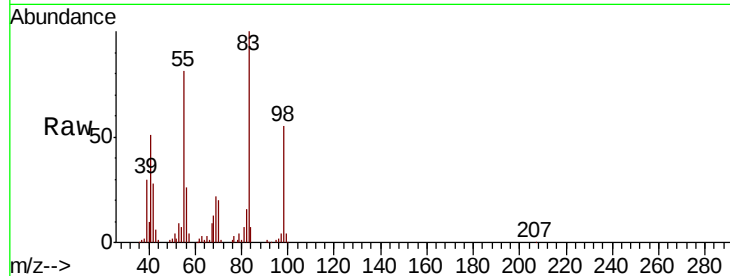




#39
Methvlcvclohexane
Concen: 21.284 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

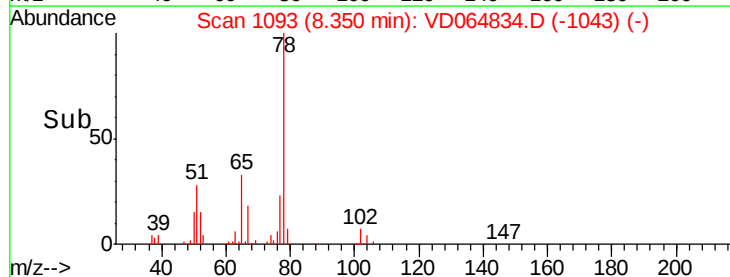
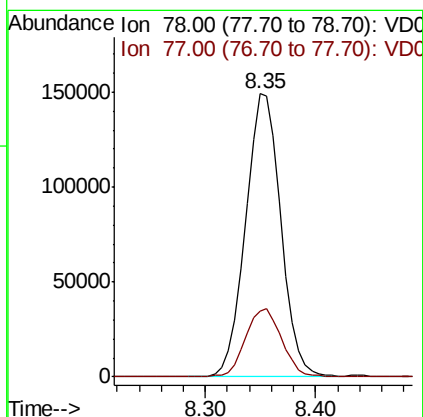
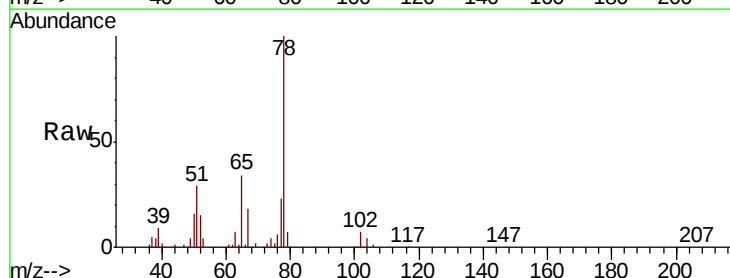
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

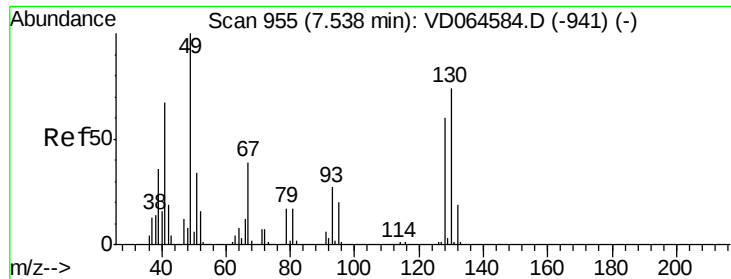
Tot Ion: 83 Resp: 139061
Ion Ratio Lower Upper
83 100
55 81.4 57.8 86.6
98 55.3 38.7 58.1



#40
Benzene
Concen: 22.768 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 78 Resp: 335292
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9





#41

Methacrylonitrile

Concen: 18.590 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

Tot Ion: 41 Resp: 22858

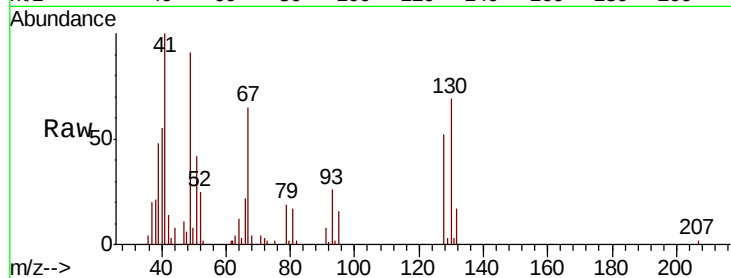
Ion Ratio Lower Upper

41 100

39 56.3 46.7 70.1

67 84.5 52.5 78.7#

52 39.4 24.1 36.1#

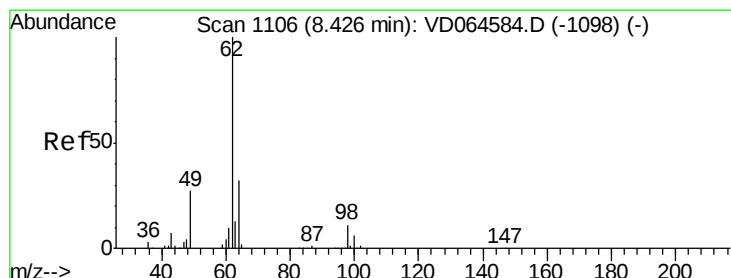
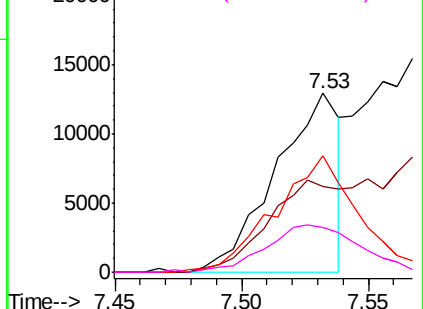
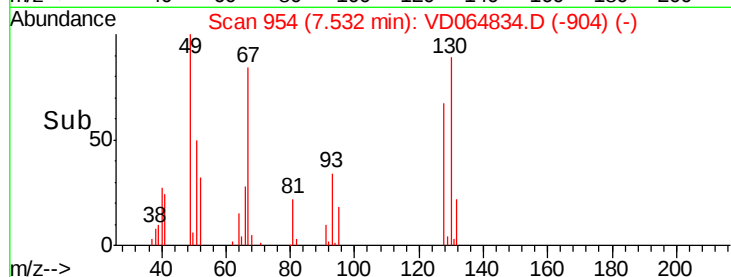


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 23.492 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064834.D

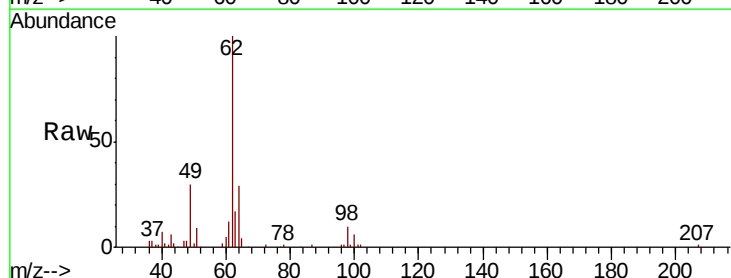
Acq: 10 Jan 2020 15:40

Tgt Ion: 62 Resp: 99971

Ion Ratio Lower Upper

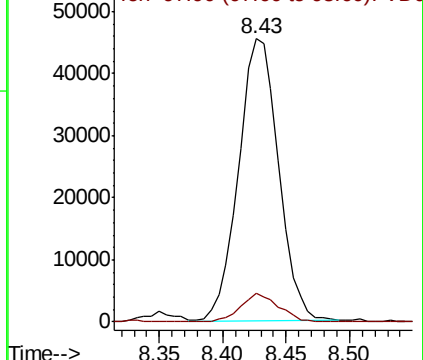
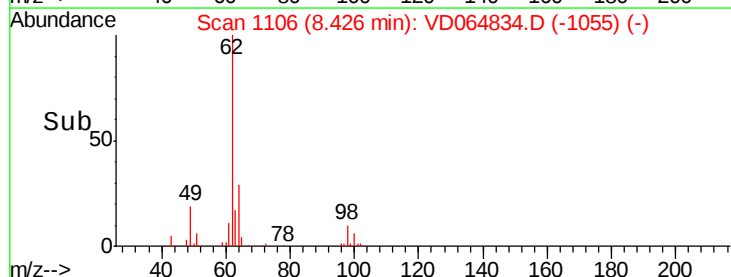
62 100

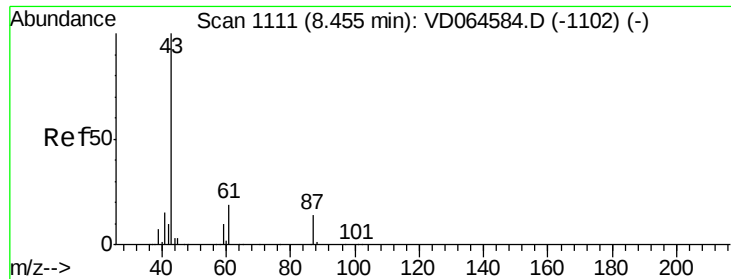
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 22.103 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

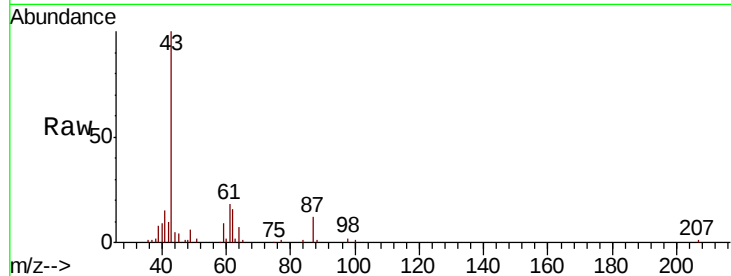
Tot Ion: 43 Resp: 93234

Ion Ratio Lower Upper

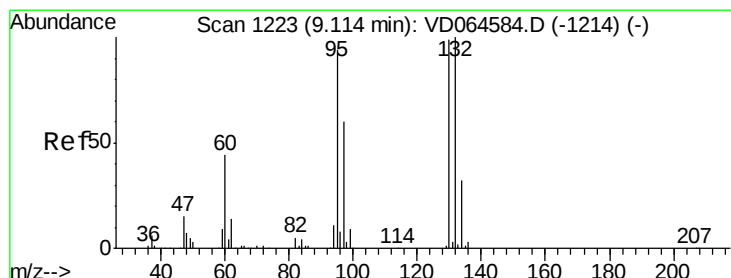
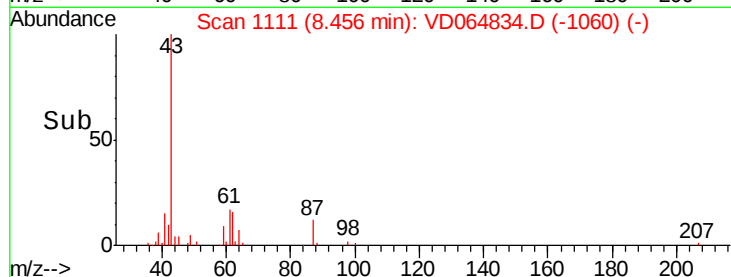
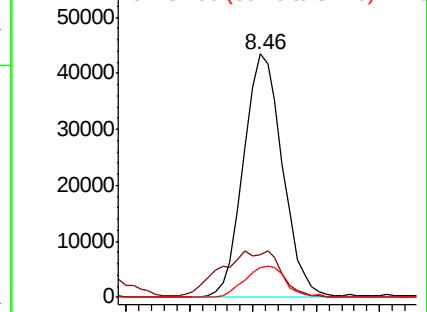
43 100

61 29.4 23.7 35.5

87 13.3 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: 22.212 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064834.D

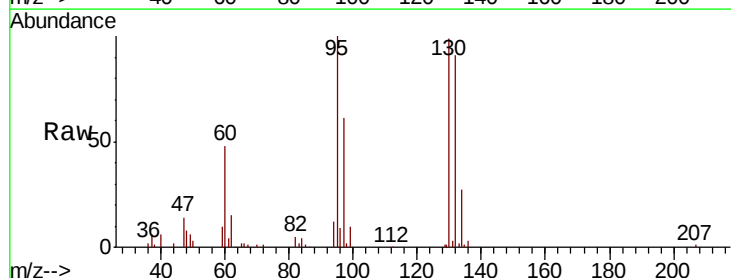
Acq: 10 Jan 2020 15:40

Tgt Ion: 130 Resp: 96091

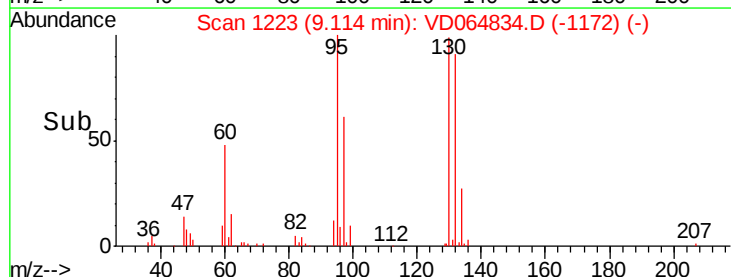
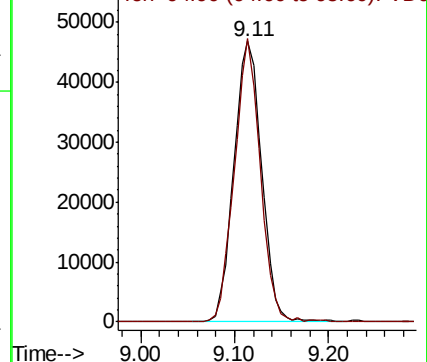
Ion Ratio Lower Upper

130 100

95 100.9 0.0 190.2



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

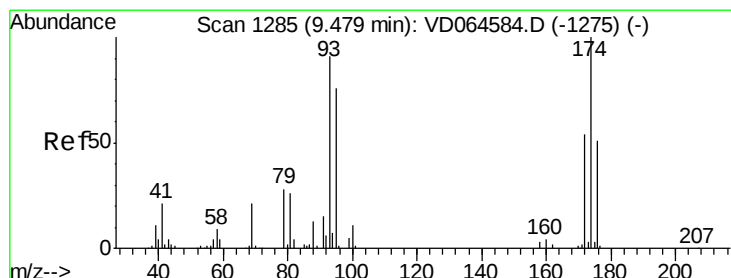
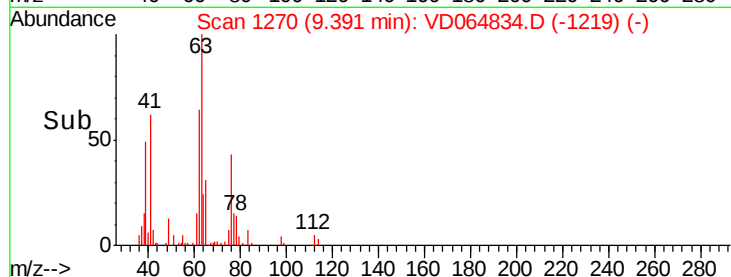
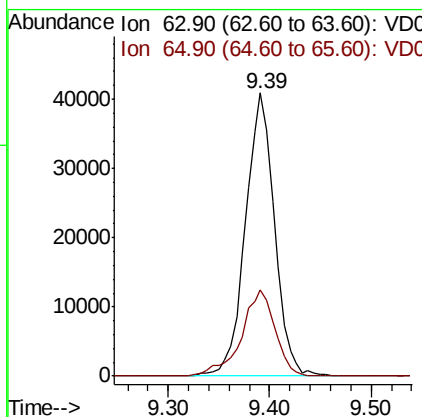
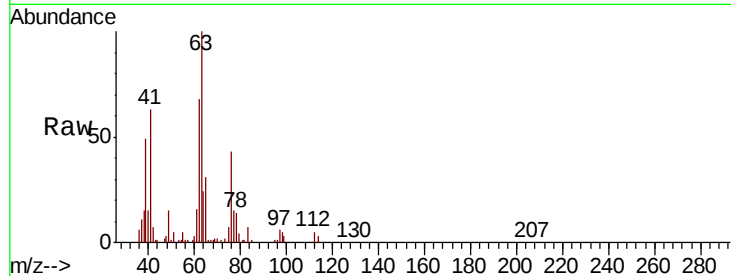




#45
 1,2-Dichloropropane
 Concen: 23.137 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

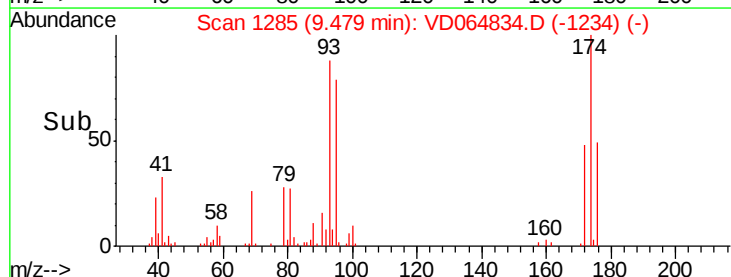
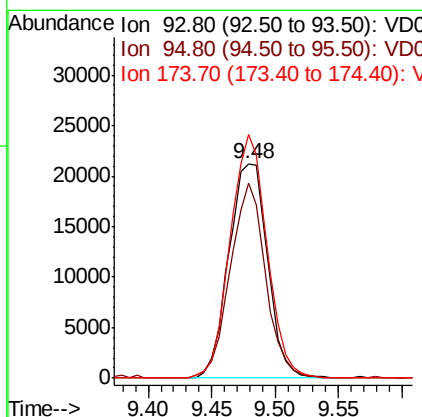
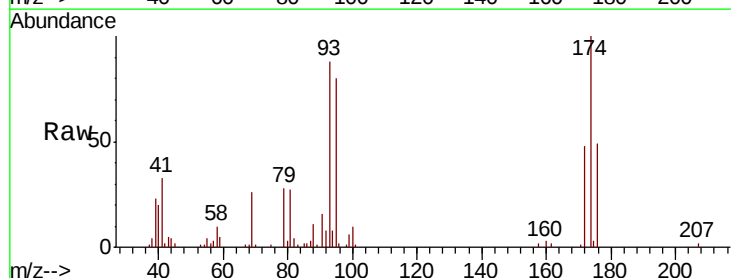
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBSD01

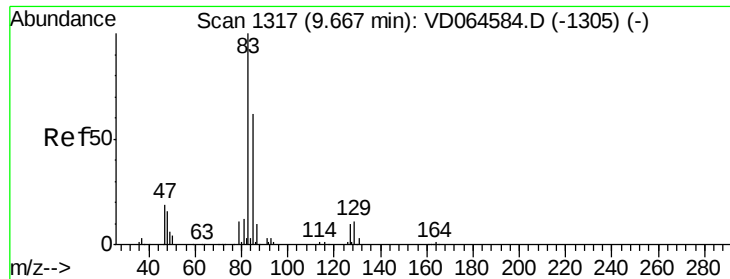
Tot Ion: 63 Resp: 81354
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.2 37.8



#46
 Dibromomethane
 Concen: 22.970 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 93 Resp: 45029
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.6 97.0
 174 107.8 88.1 132.1





#47

Bromodichloromethane

Concen: 23.199 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

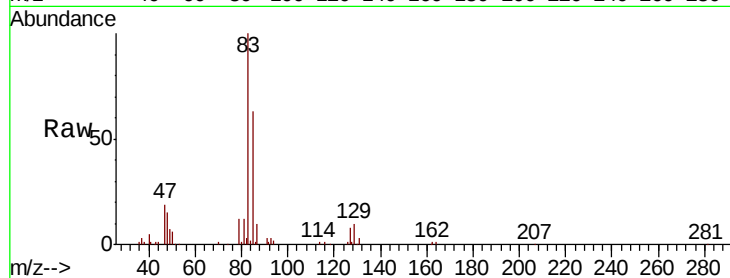
Tot Ion: 83 Resp: 121015

Ion Ratio Lower Upper

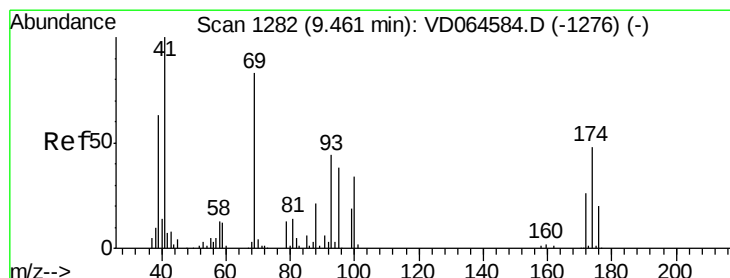
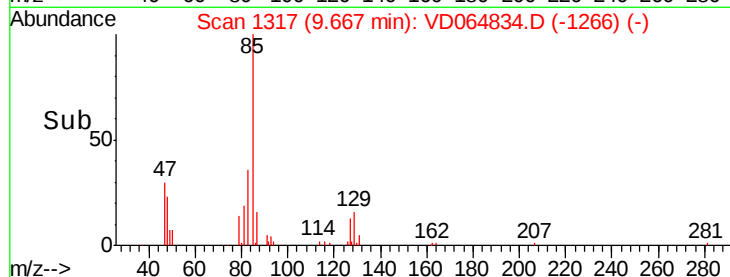
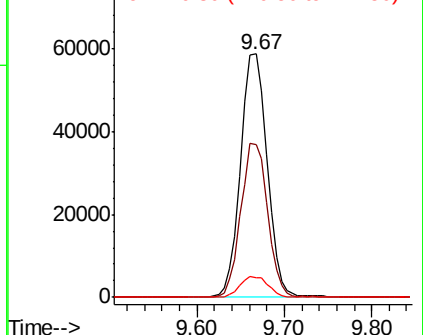
83 100

85 62.7 49.5 74.3

127 8.3 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): VDC



#48

Methyl methacrylate

Concen: 22.242 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

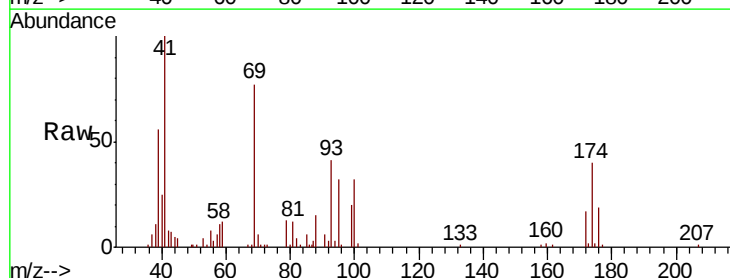
Tgt Ion: 41 Resp: 44176

Ion Ratio Lower Upper

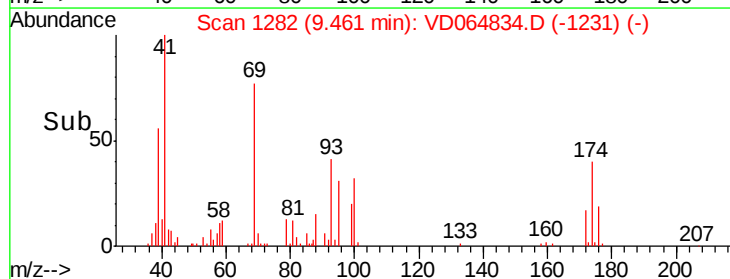
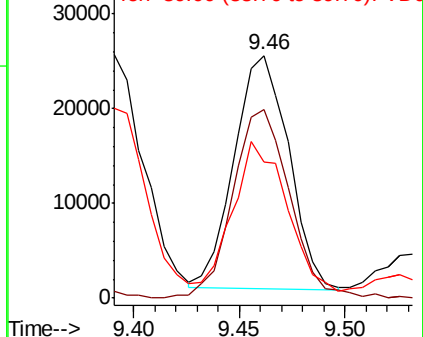
41 100

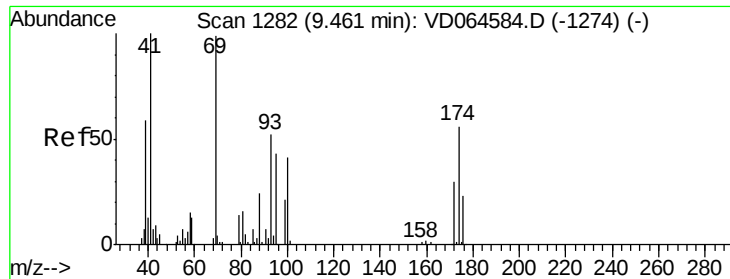
69 84.7 63.0 94.6

39 63.6 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

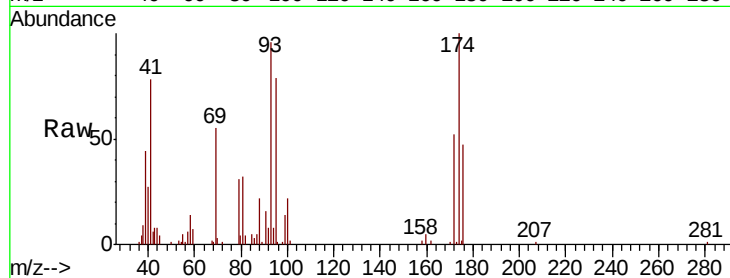




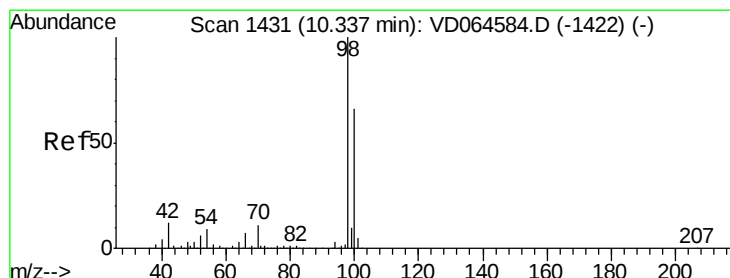
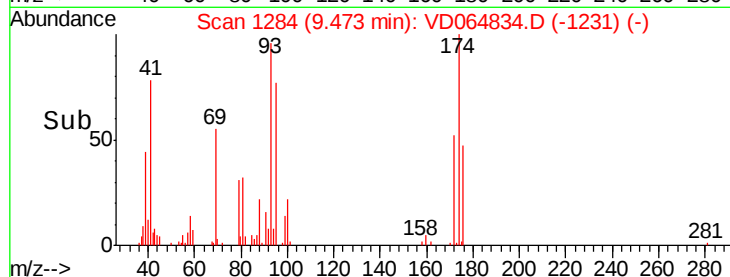
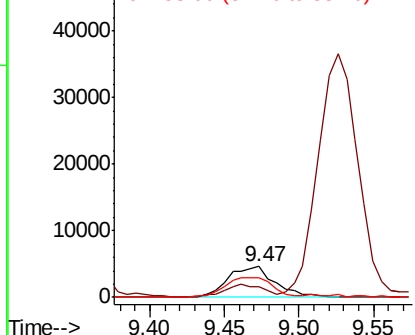
#49
1,4-Dioxane
Concen: 447.835 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

Tot Ion: 88 Resp: 10123
Ion Ratio Lower Upper
88 100
43 35.8 27.7 41.5
58 66.4 53.8 80.6

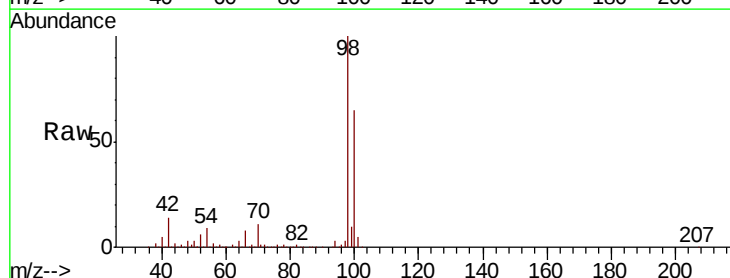


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

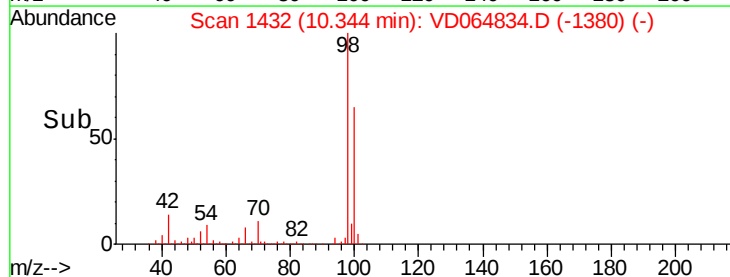
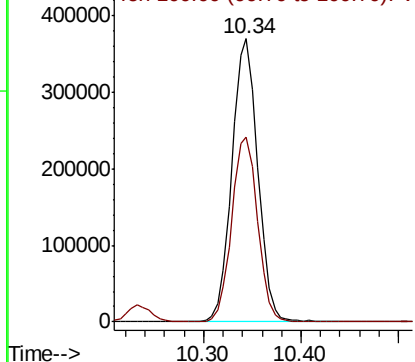


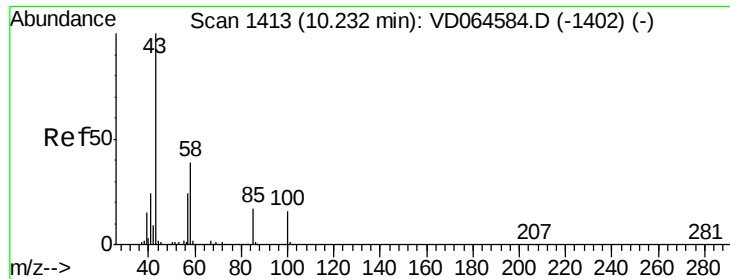
#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 98 Resp: 679926
Ion Ratio Lower Upper
98 100
100 65.7 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: 115.105 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

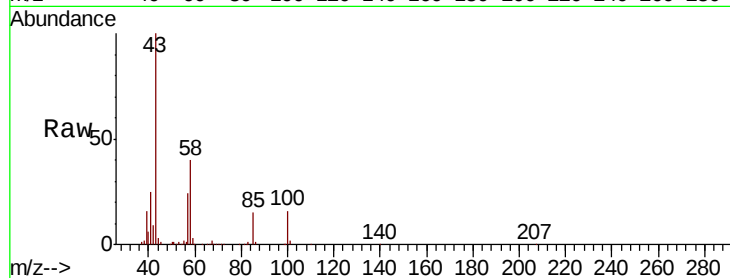
VD0110SBS01

Tot Ion: 43 Resp: 239989

Ion Ratio Lower Upper

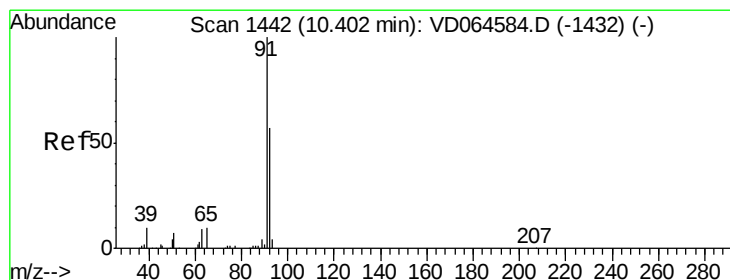
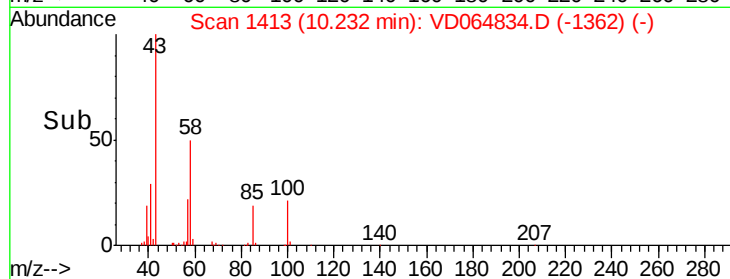
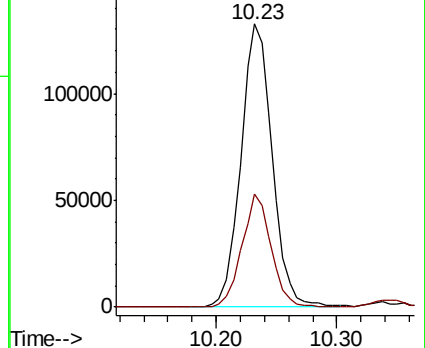
43 100

58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.481 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064834.D

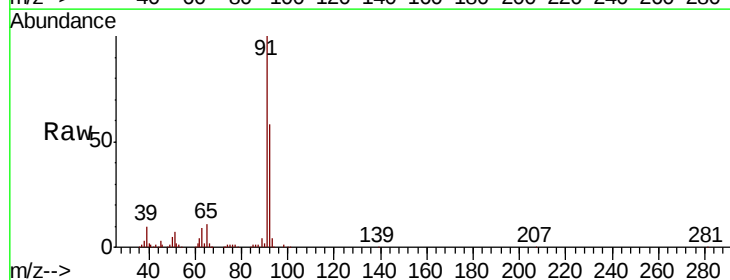
Acq: 10 Jan 2020 15:40

Tgt Ion: 92 Resp: 217201

Ion Ratio Lower Upper

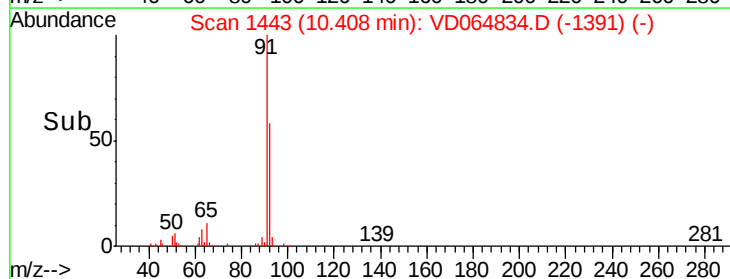
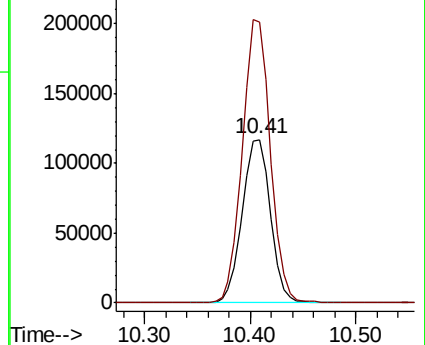
92 100

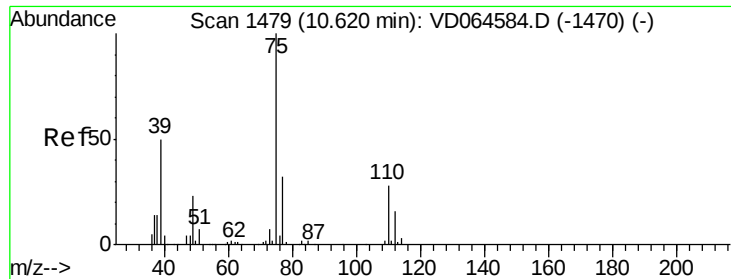
91 172.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

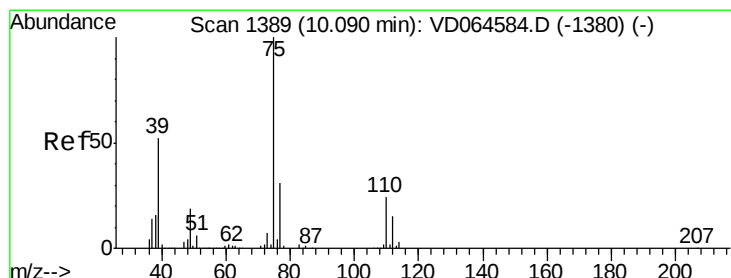
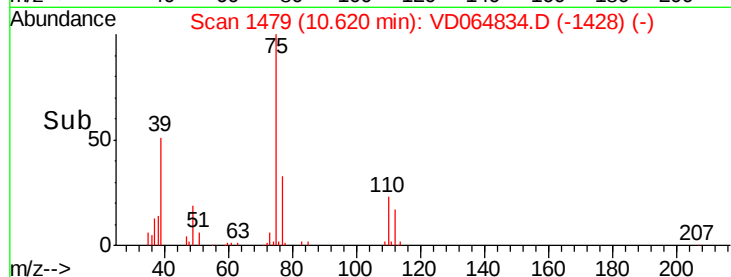
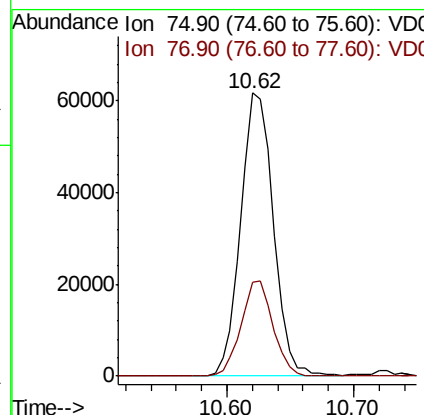
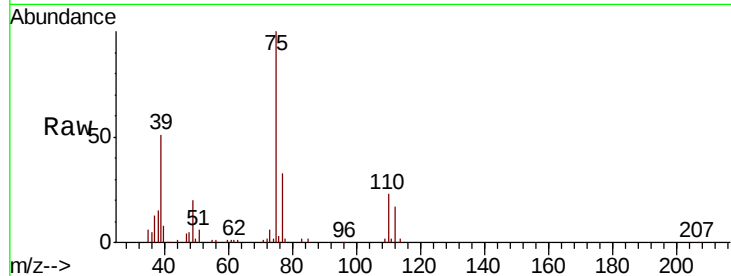




#53
t-1,3-Dichloropropene
Concen: 22.734 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

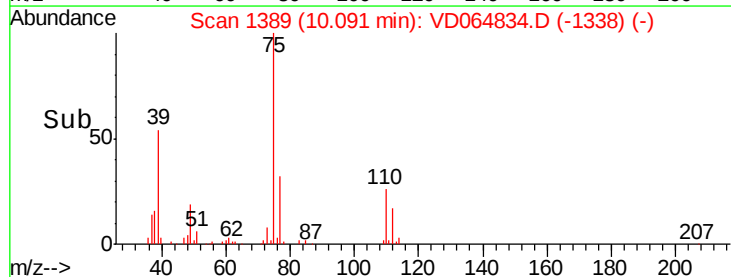
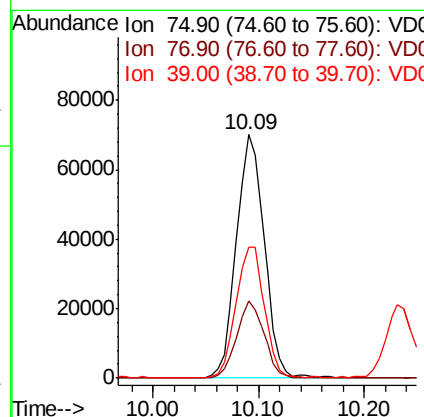
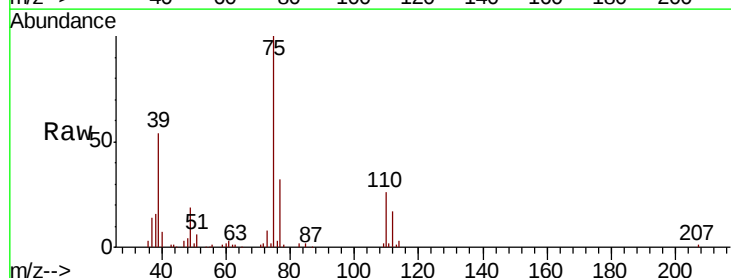
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

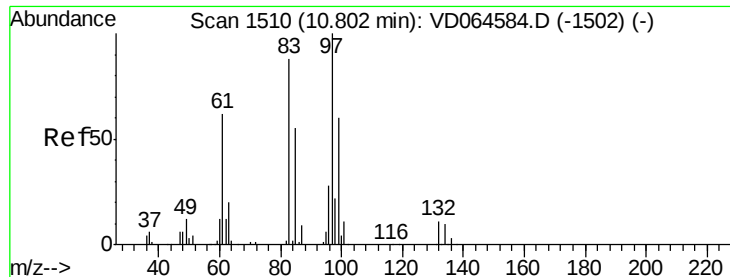
Tot Ion: 75 Resp: 110563
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 22.271 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 75 Resp: 127714
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 53.7 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 22.432 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

Tot Ion: 97 Resp: 59263

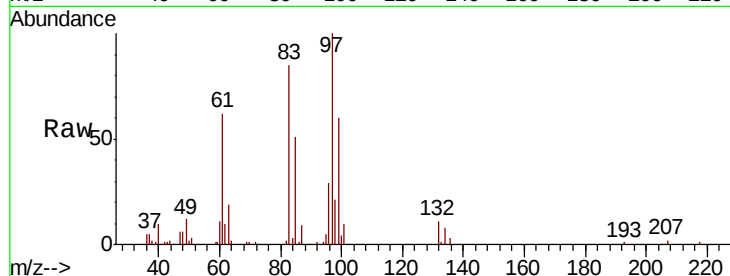
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.4
85	51.3	44.0	66.0
99	59.5	47.8	71.6

97 100

83 84.8 70.2 105.4

85 51.3 44.0 66.0

99 59.5 47.8 71.6



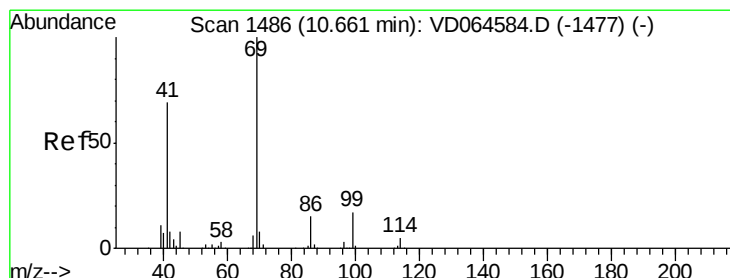
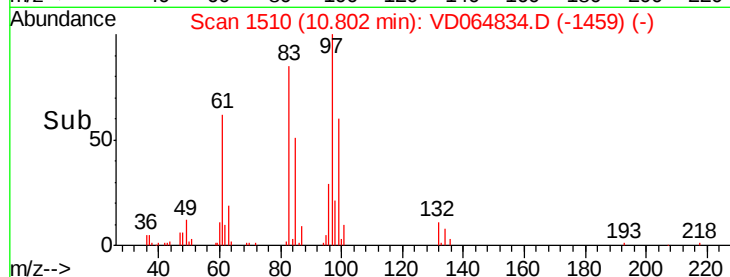
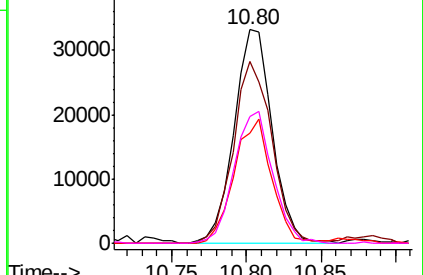
Abundance

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: 22.027 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

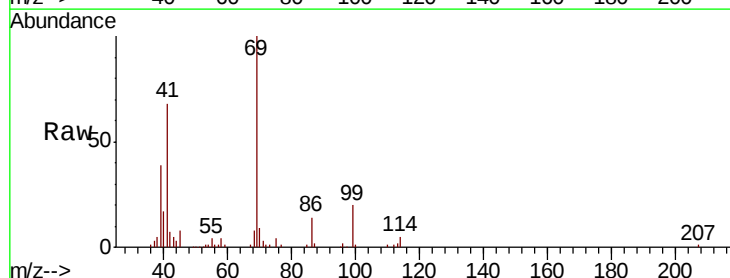
Tgt Ion: 69 Resp: 72676

Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.3	82.9
39	38.3	33.8	50.8

69 100

41 72.6 55.3 82.9

39 38.3 33.8 50.8

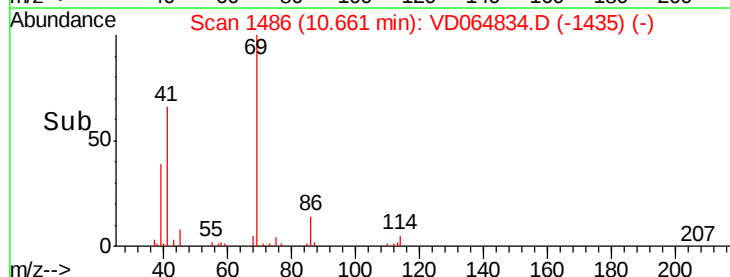
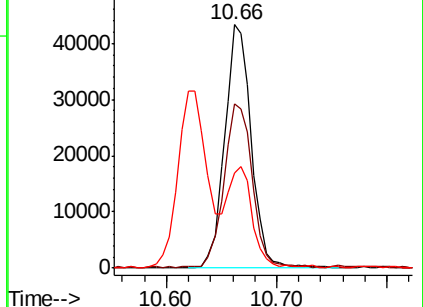


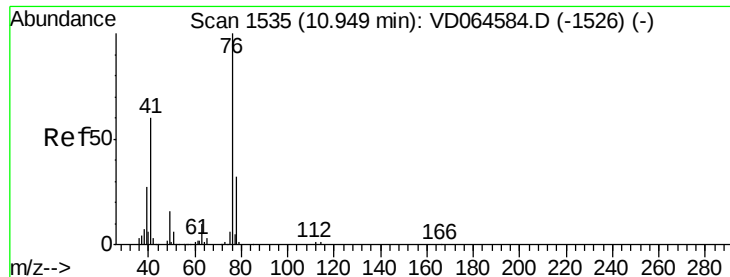
Abundance

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: 23.153 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

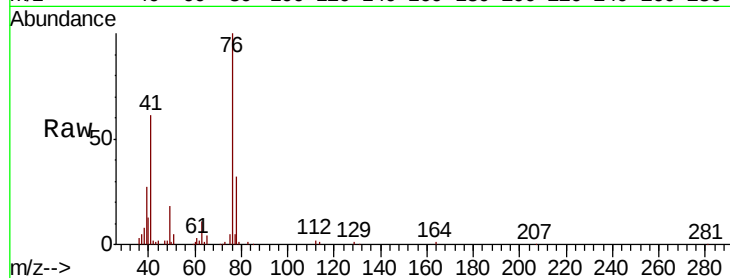
VD0110SBSD01

Tot Ion: 76 Resp: 105319

Ion Ratio Lower Upper

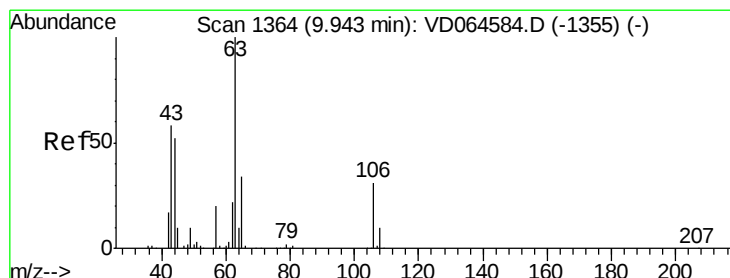
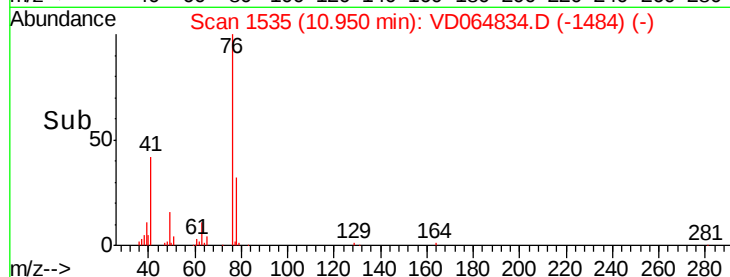
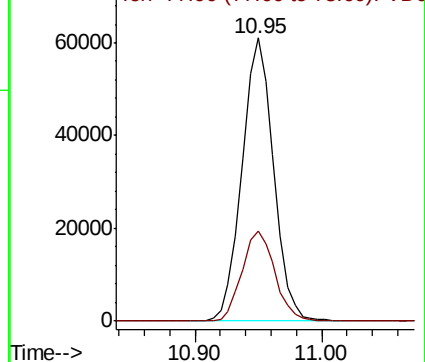
76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 121.252 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064834.D

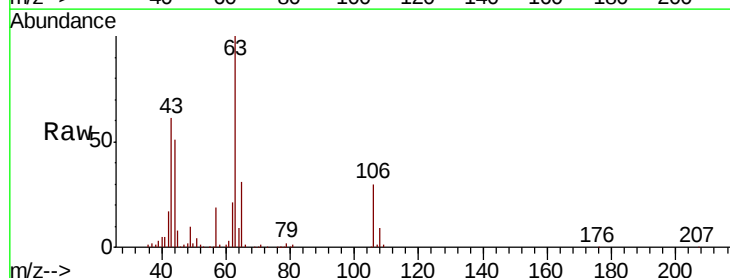
Acq: 10 Jan 2020 15:40

Tgt Ion: 63 Resp: 152420

Ion Ratio Lower Upper

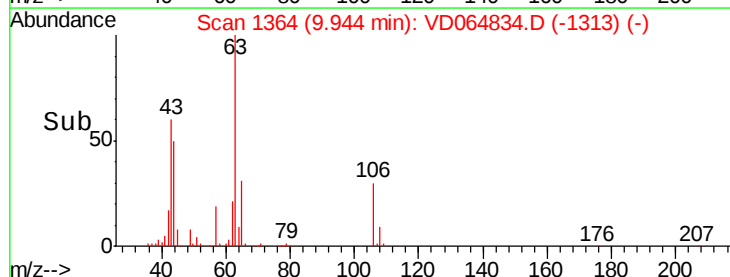
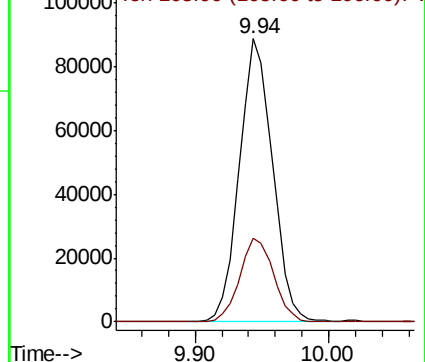
63 100

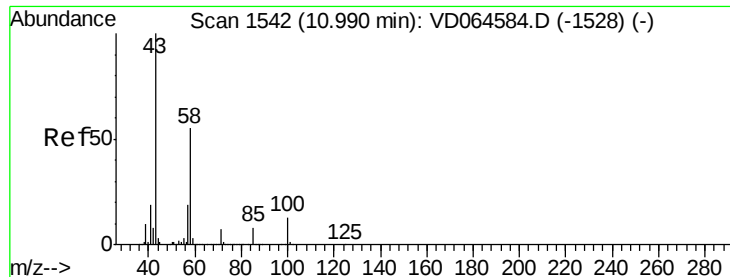
106 30.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

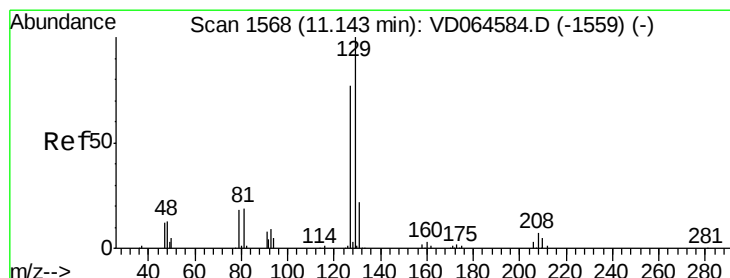
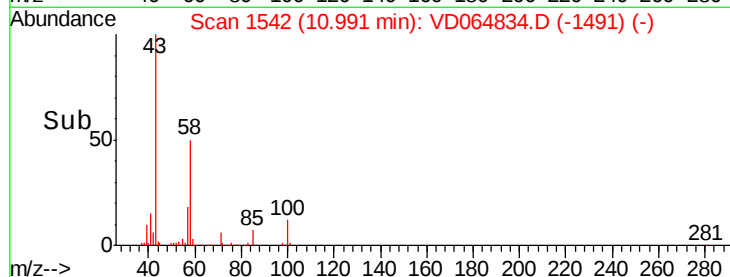
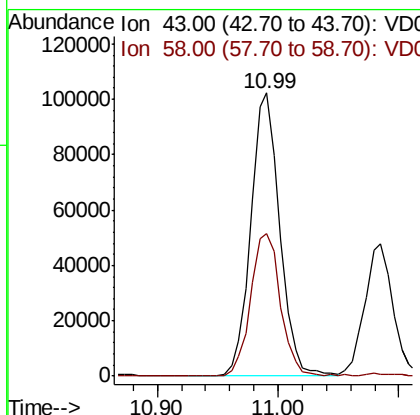
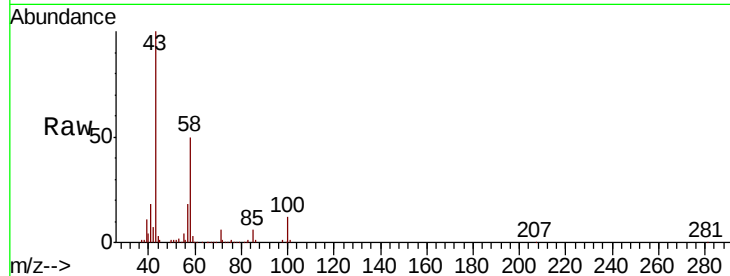




#59
2-Hexanone
Concen: 120.803 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

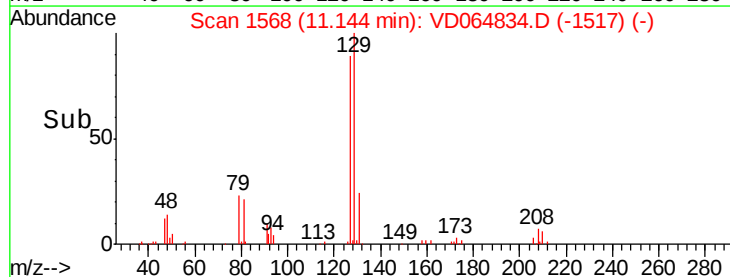
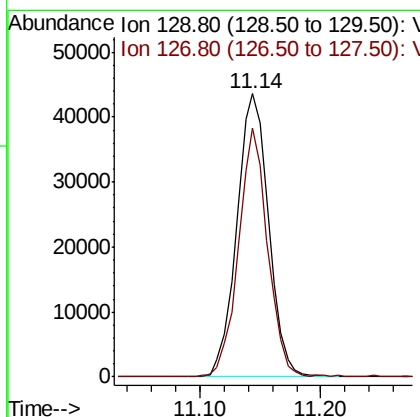
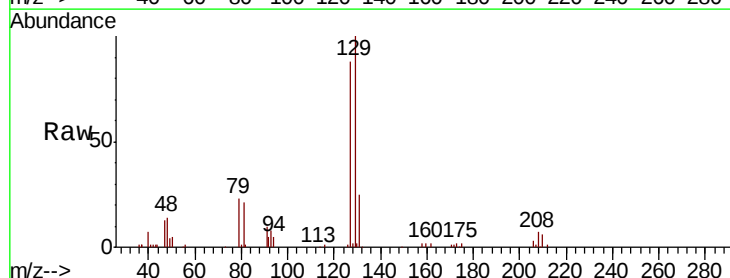
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

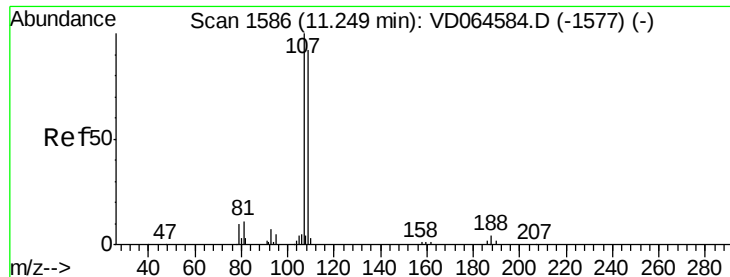
Tot Ion: 43 Resp: 170948
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 21.933 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 129 Resp: 80129
Ion Ratio Lower Upper
129 100
127 80.5 38.4 115.2

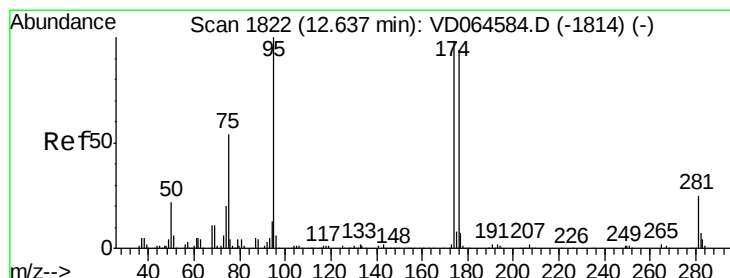
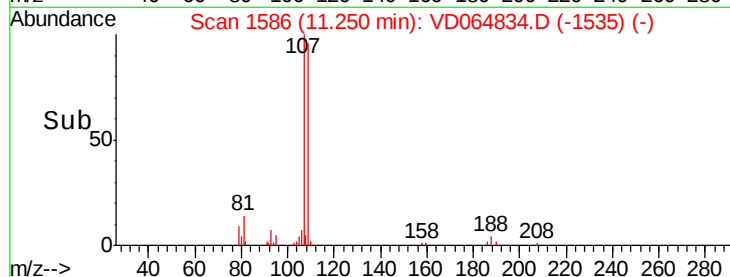
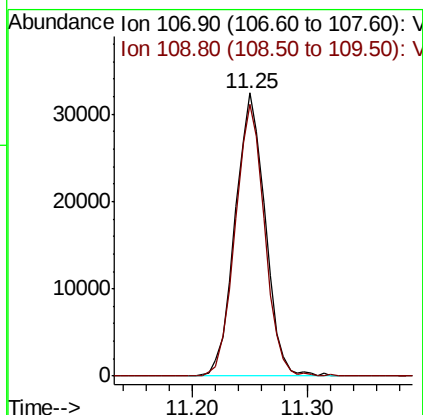
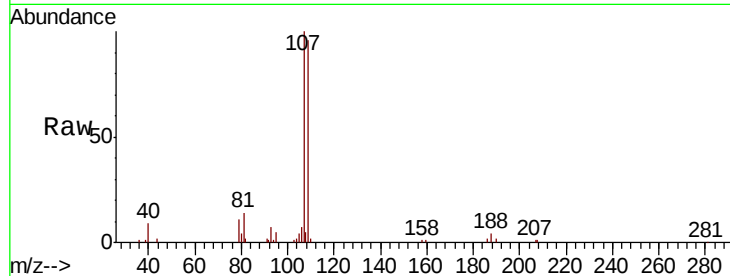




#61
 1,2-Dibromoethane
 Concen: 22.383 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

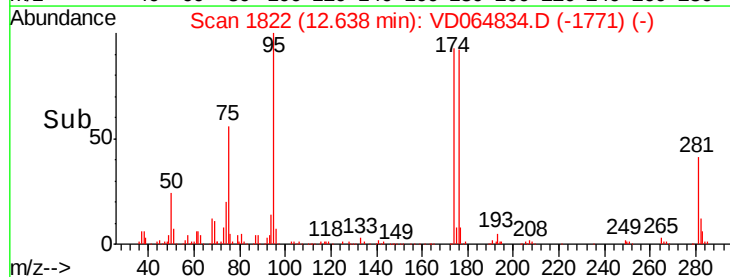
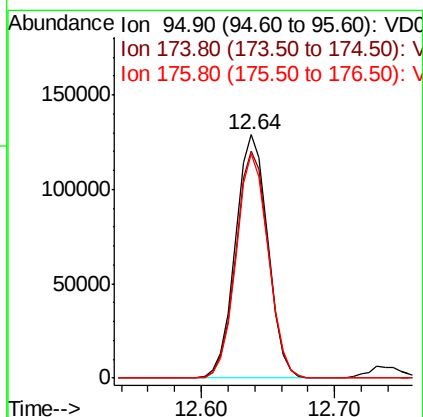
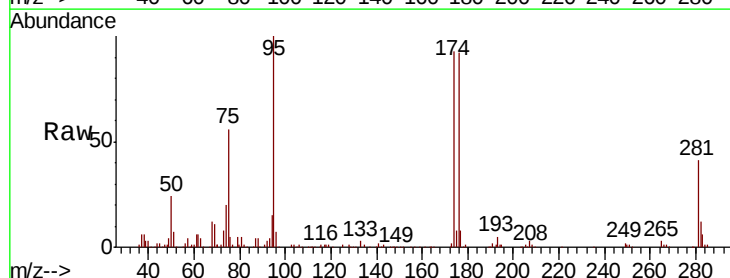
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBSD01

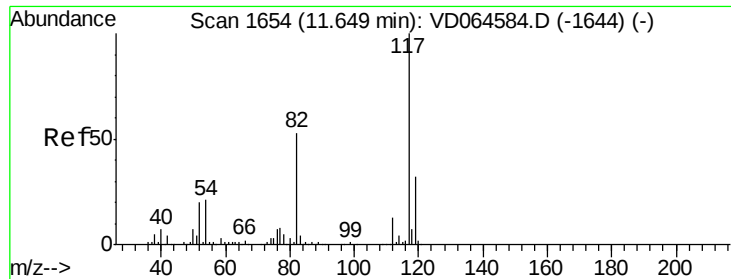
Tot Ion:107 Resp: 58324
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.226 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 95 Resp: 217485
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 193.2
 176 91.0 0.0 184.2

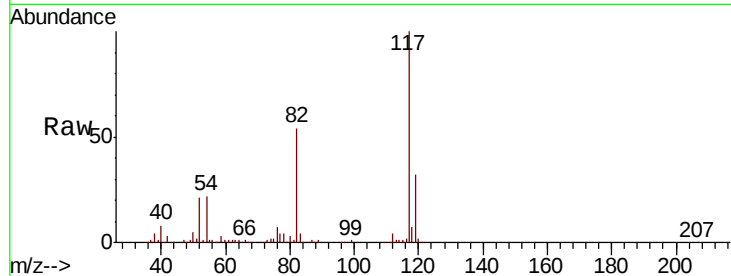




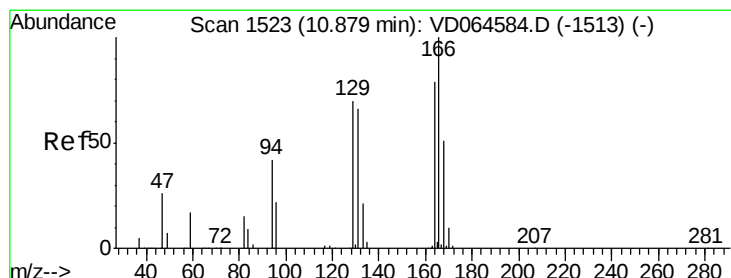
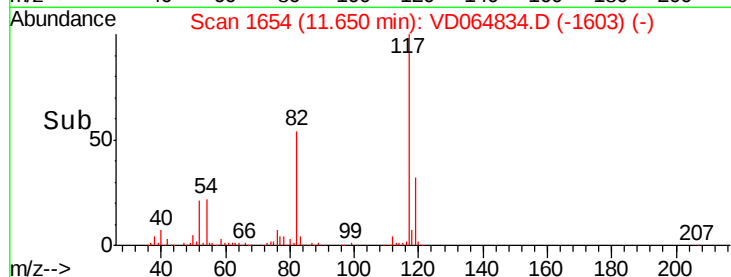
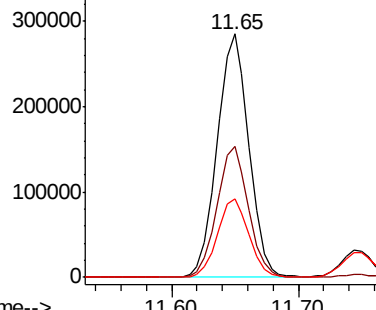
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

Tot Ion:117 Resp: 494793
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.1 26.0 39.0

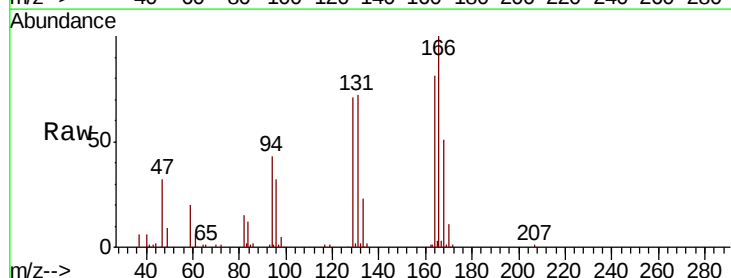


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

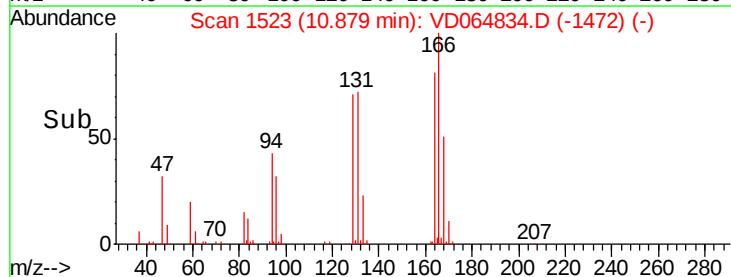
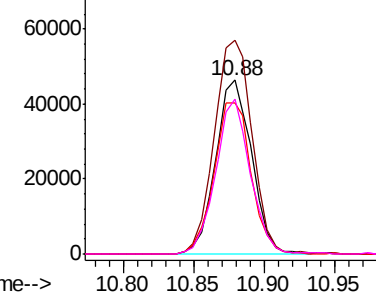


#64
Tetrachloroethene
Concen: 21.797 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:164 Resp: 82740
Ion Ratio Lower Upper
164 100
166 123.0 101.3 151.9
129 87.2 70.5 105.7
131 88.9 66.6 99.8



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

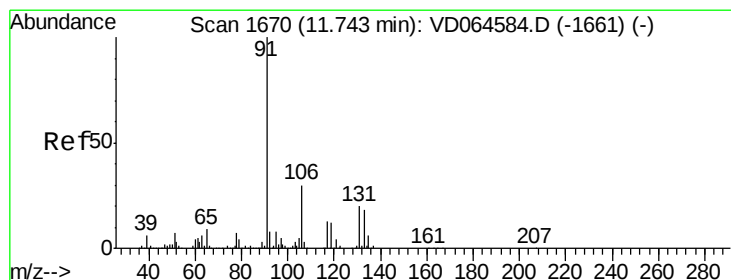
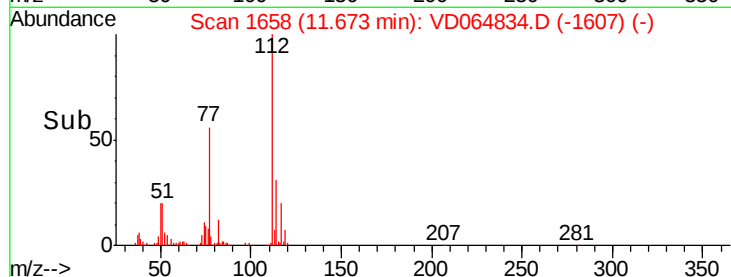
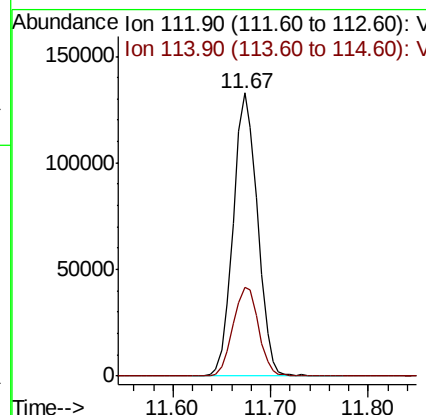
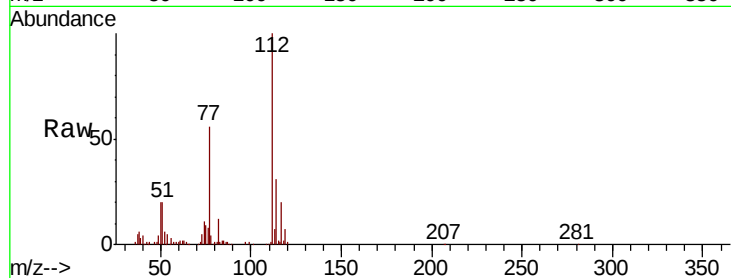




#65
Chlorobenzene
Concen: 22.328 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

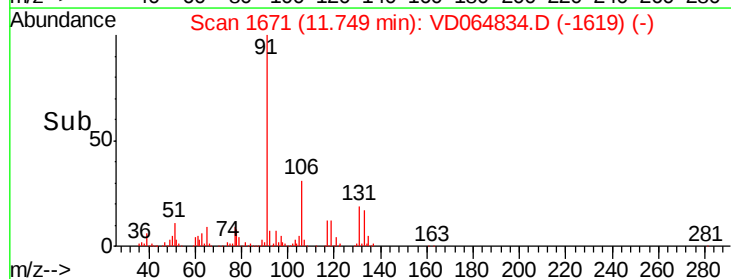
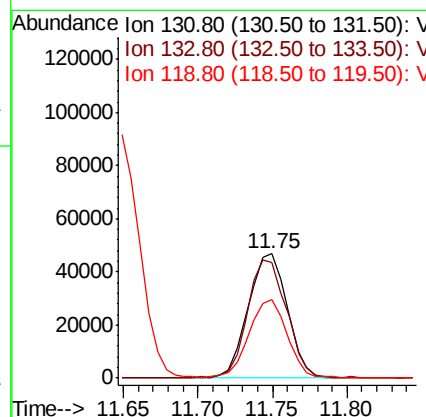
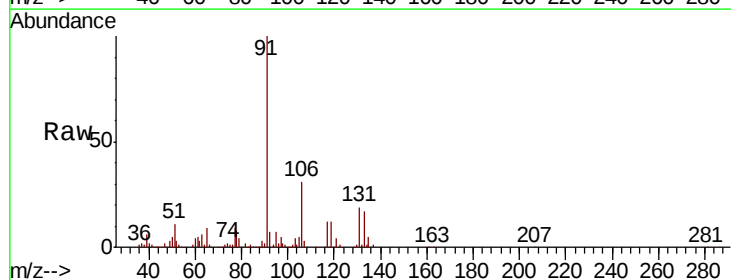
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

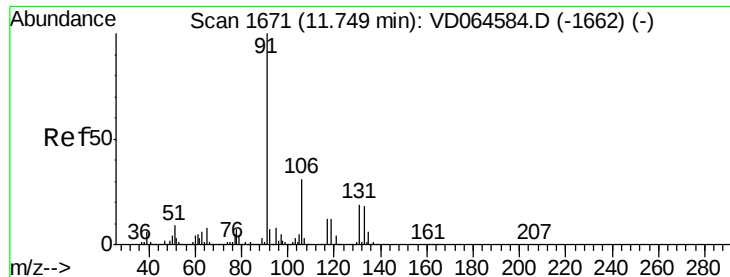
Tot Ion:112 Resp: 229293
Ion Ratio Lower Upper
112 100
114 31.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.985 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:131 Resp: 85112
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.8
119 61.9 32.1 96.3





#67

Ethyl Benzene

Concen: 21.608 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

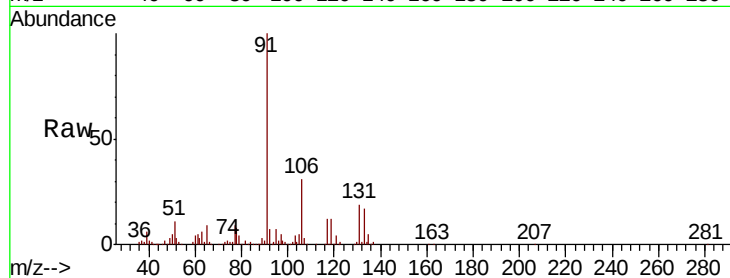
VD0110SBS01

Tot Ion: 91 Resp: 402769

Ion Ratio Lower Upper

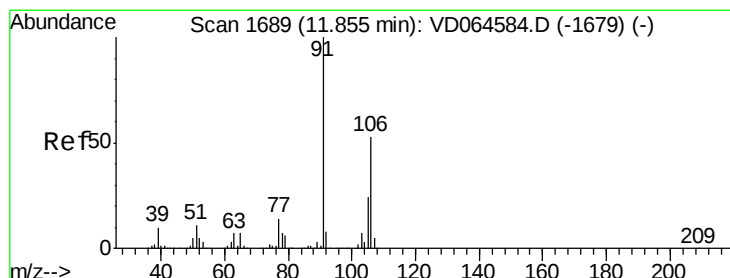
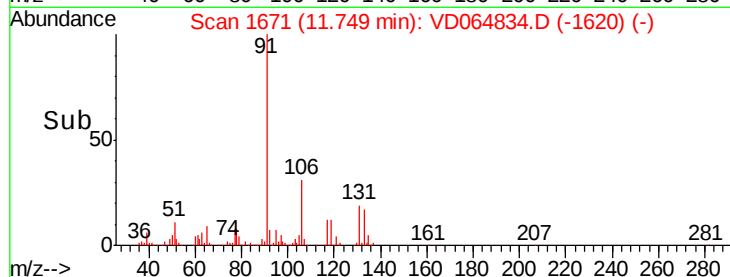
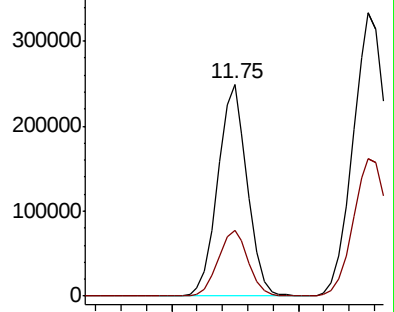
91 100

106 31.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 43.273 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064834.D

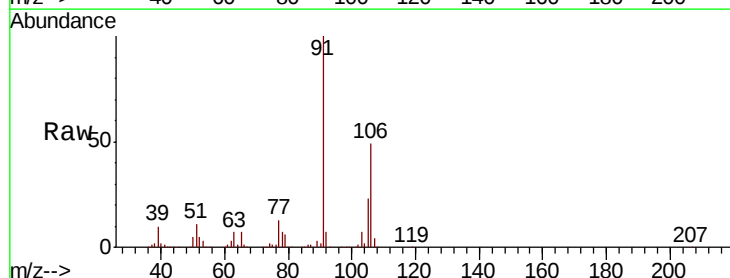
Acq: 10 Jan 2020 15:40

Tgt Ion: 106 Resp: 311324

Ion Ratio Lower Upper

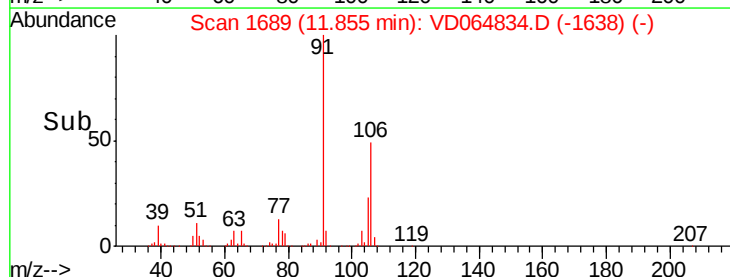
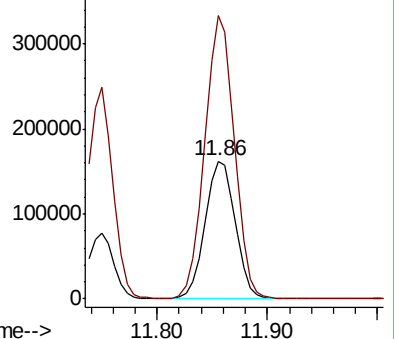
106 100

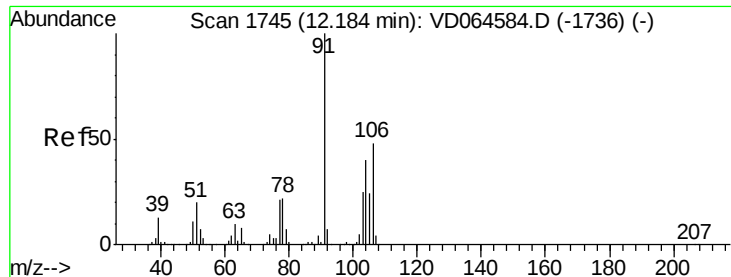
91 201.7 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

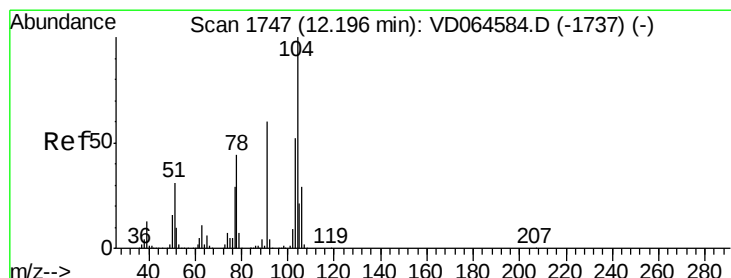
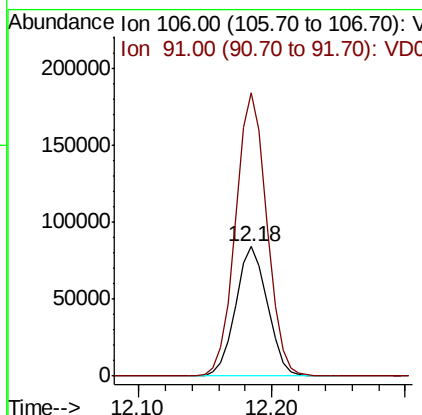
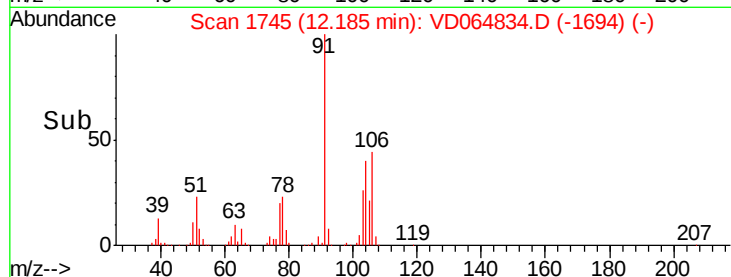
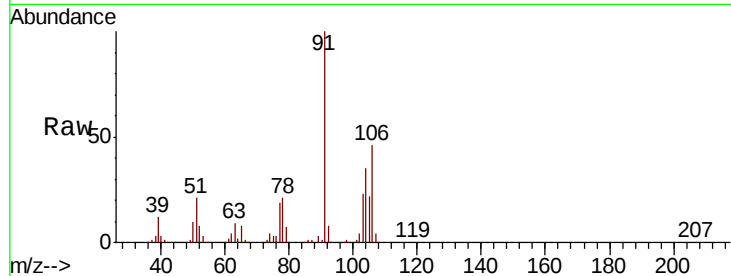




#69
o-Xylene
Concen: 21.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

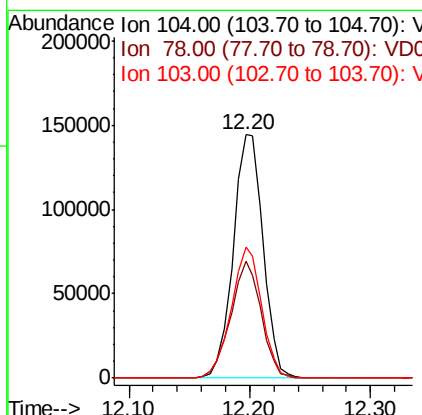
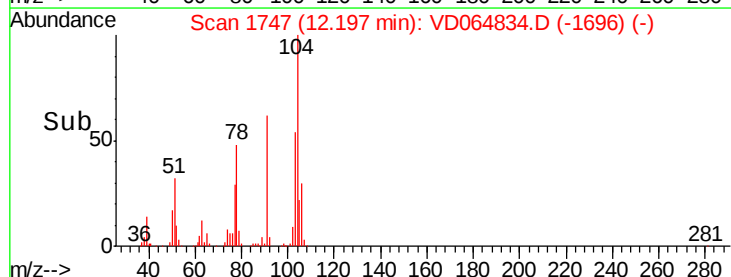
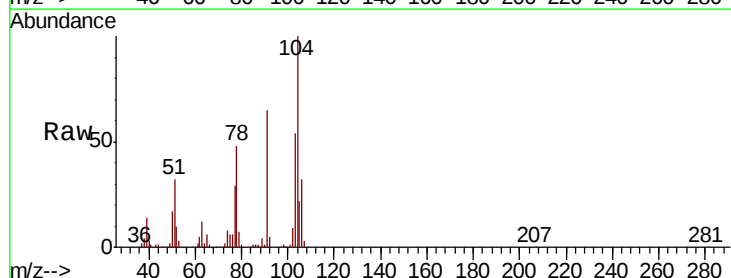
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

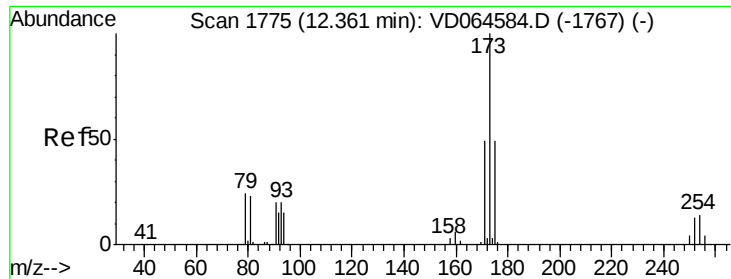
Tot Ion:106 Resp: 138657
Ion Ratio Lower Upper
106 100
91 215.4 104.8 314.4



#70
Styrene
Concen: 21.840 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:104 Resp: 249123
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.2
103 54.9 44.6 67.0





#71

Bromoform

Concen: 21.534 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

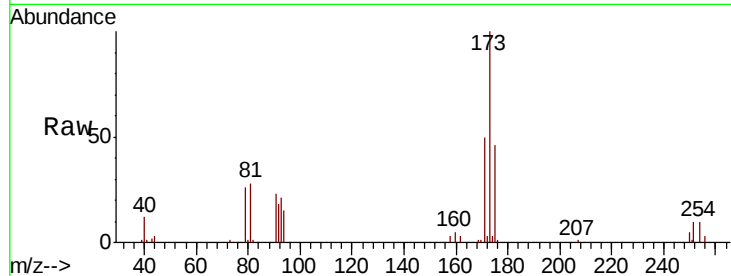
Tot Ion:173 Resp: 47541

Ion Ratio Lower Upper

173 100

175 51.0 24.6 73.8

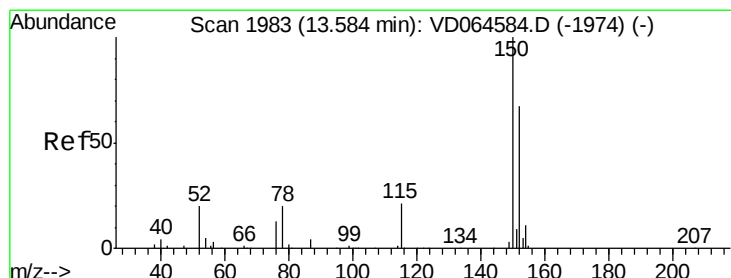
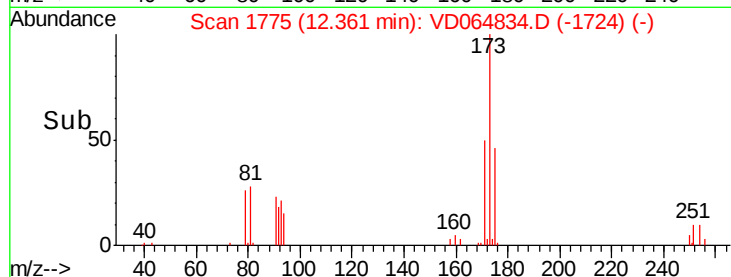
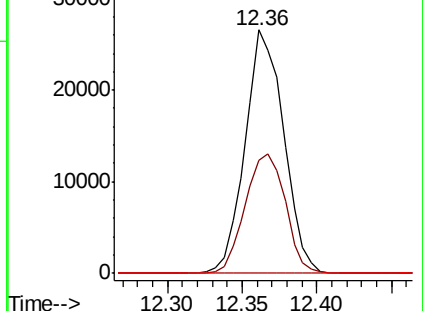
254 0.0 0.1 0.1#



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: VD064834.D

Acq: 10 Jan 2020 15:40

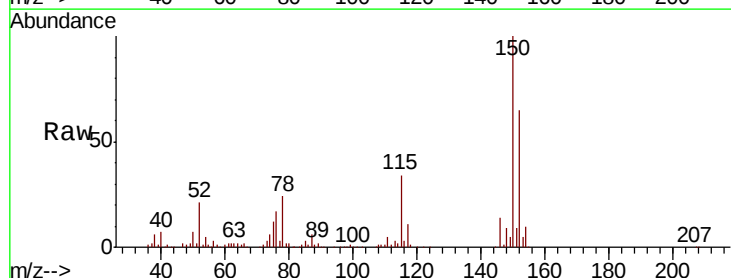
Tgt Ion:152 Resp: 241051

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

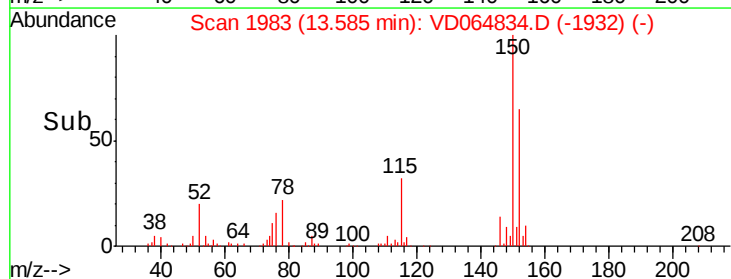
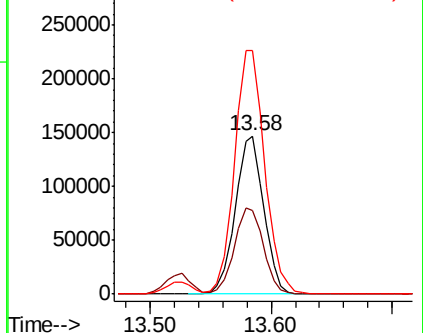
150 163.2 0.0 351.4

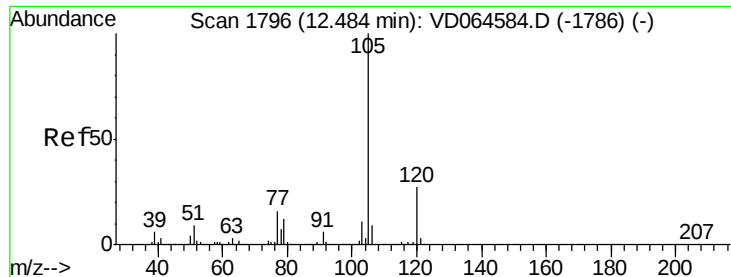


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.205 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

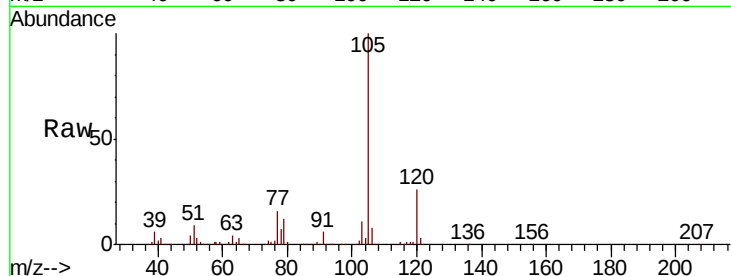
VD0110SBS01

Tot Ion:105 Resp: 382496

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

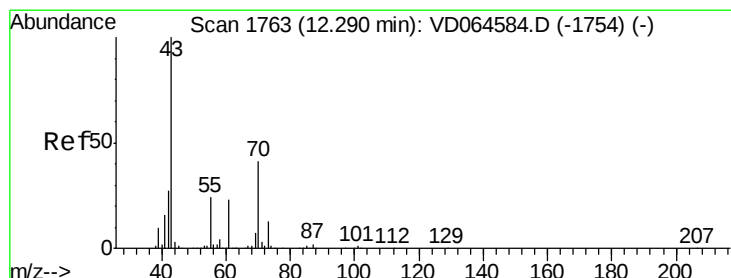
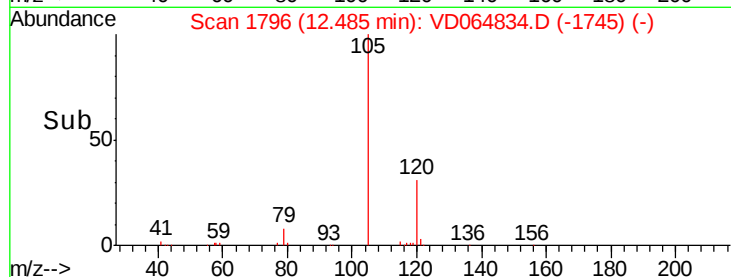
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 22.881 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion: 43 Resp: 84256

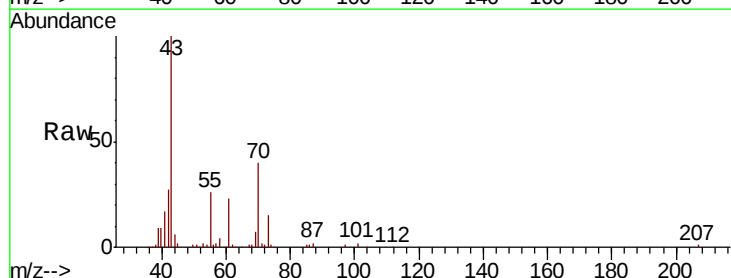
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 24.8 19.4 29.0

61 22.3 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

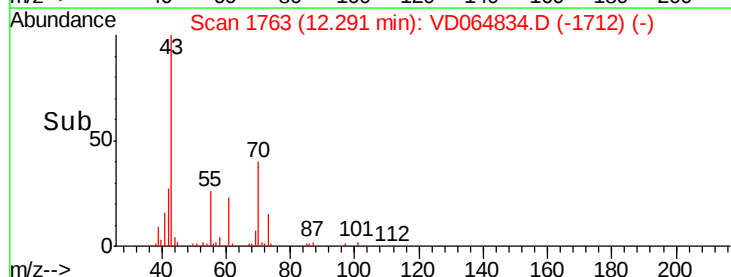
60000

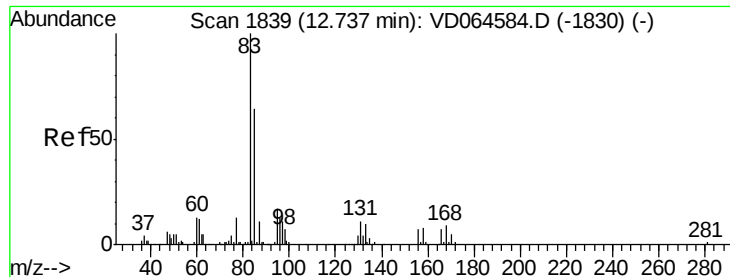
40000

20000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 23.047 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

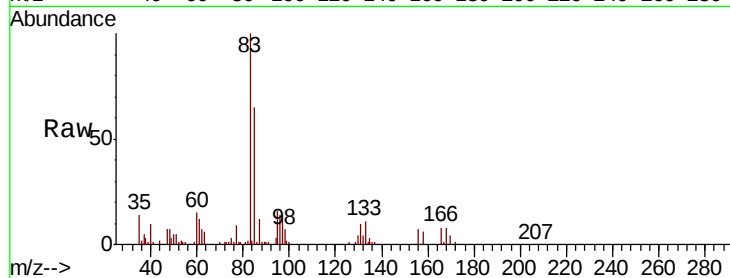
Tot Ion: 83 Resp: 62366

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

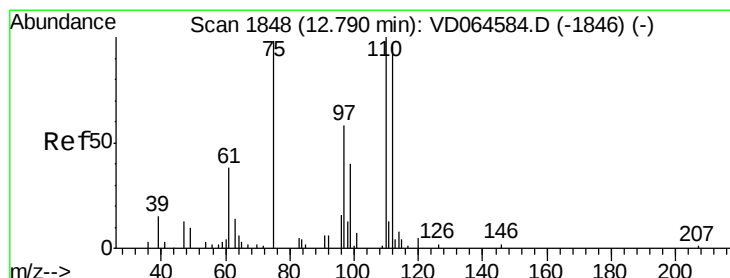
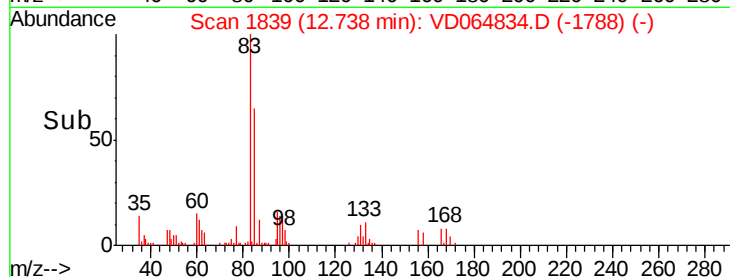
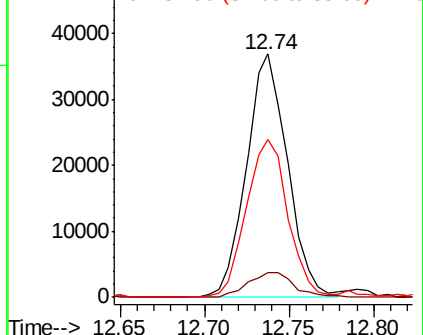
85 65.5 32.3 96.9



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: 44.857 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064834.D

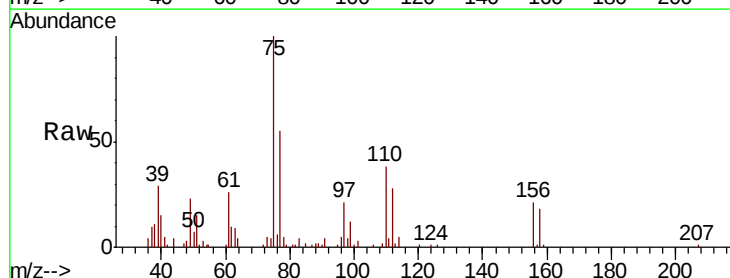
Acq: 10 Jan 2020 15:40

Tgt Ion: 75 Resp: 85385

Ion Ratio Lower Upper

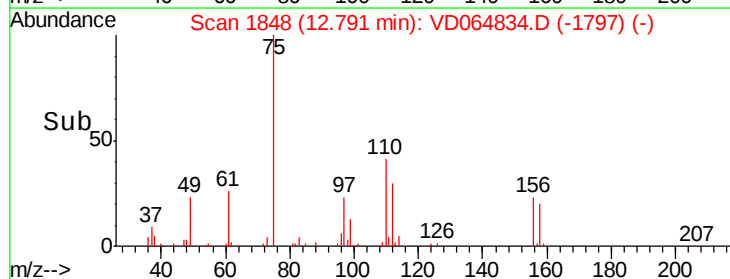
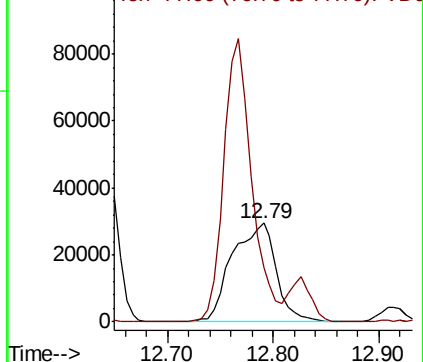
75 100

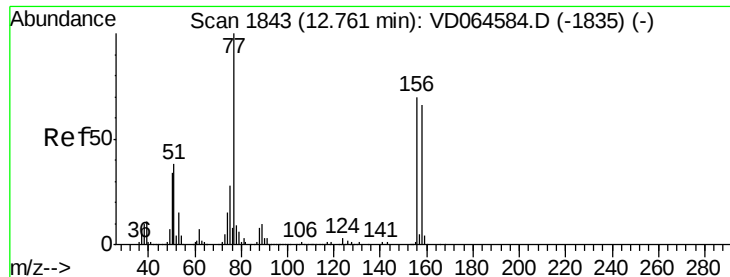
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.287 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

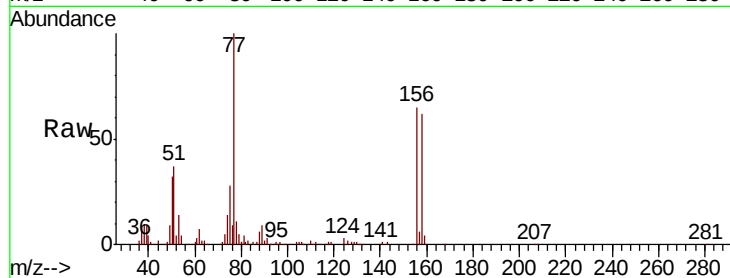
Tot Ion:156 Resp: 94334

Ion Ratio Lower Upper

156 100

77 165.4 80.9 242.7

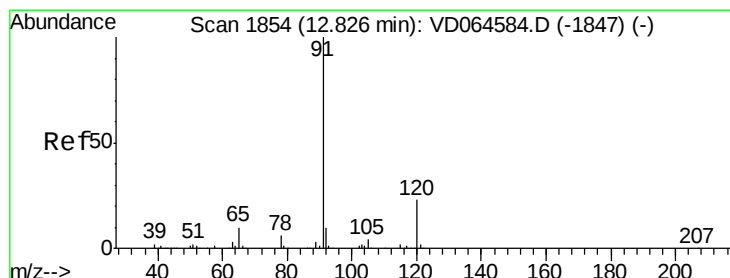
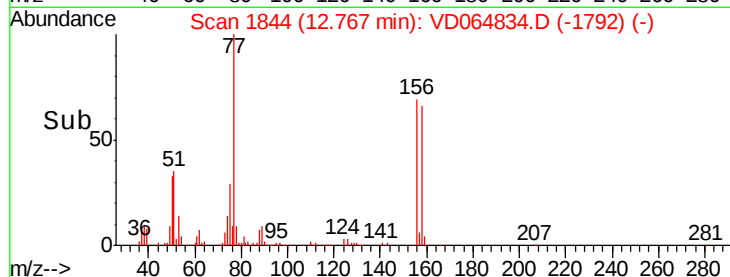
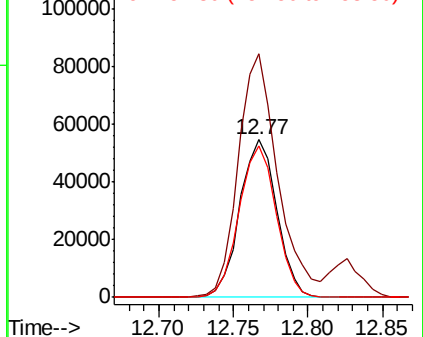
158 96.6 48.0 144.2



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: 22.531 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064834.D

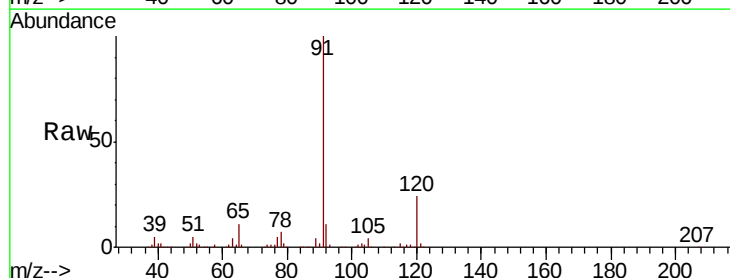
Acq: 10 Jan 2020 15:40

Tgt Ion: 91 Resp: 452797

Ion Ratio Lower Upper

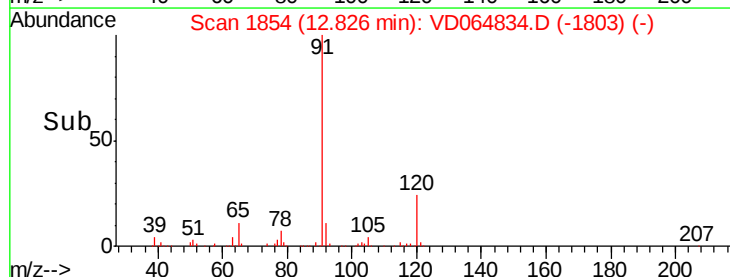
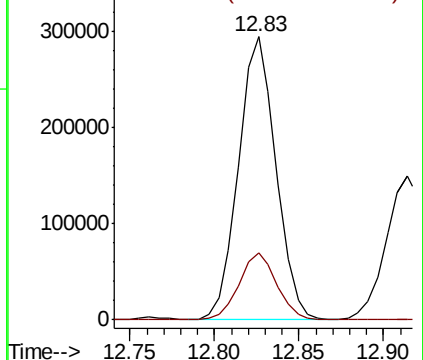
91 100

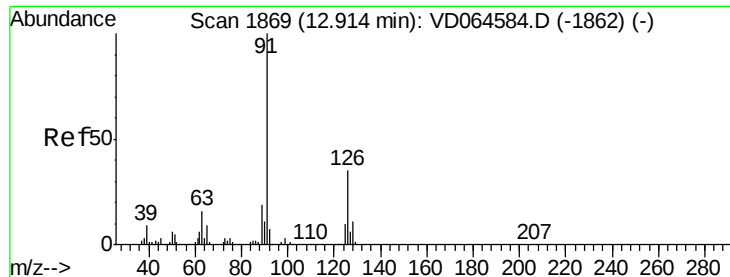
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

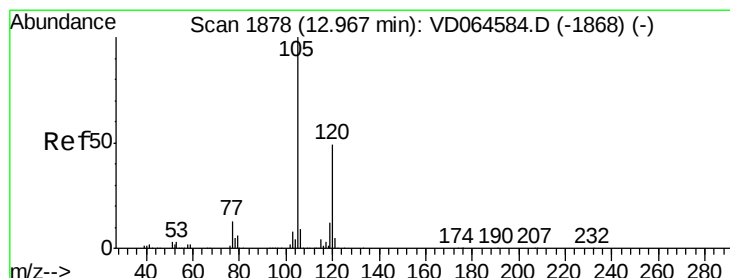
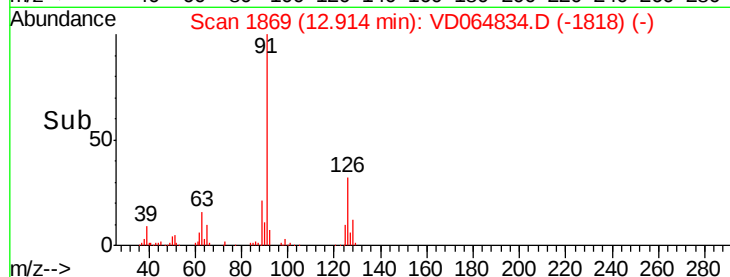
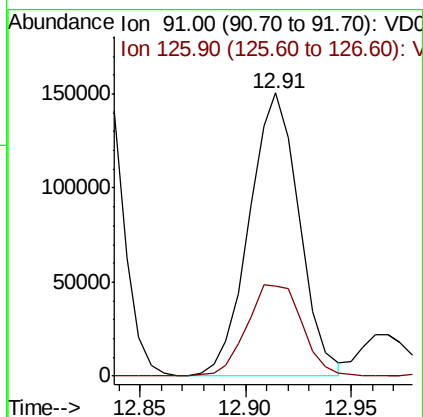
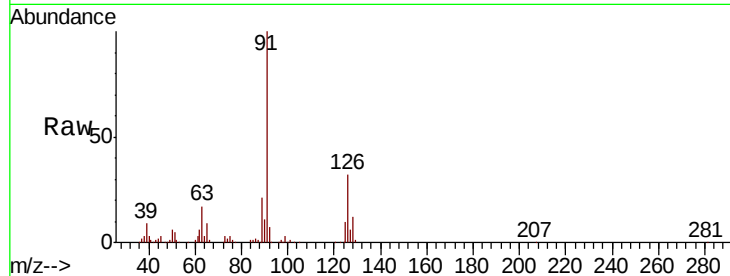




#79
 2-Chlorotoluene
 Concen: 22.396 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

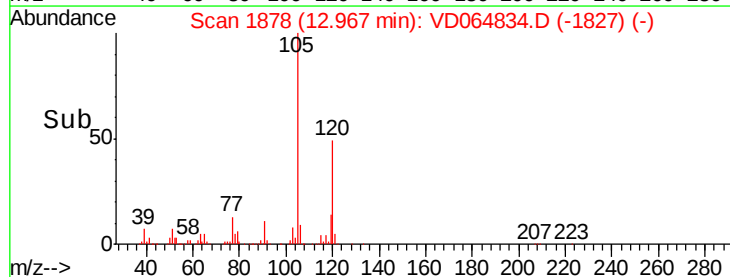
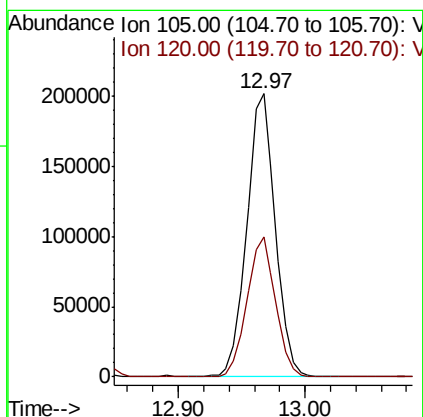
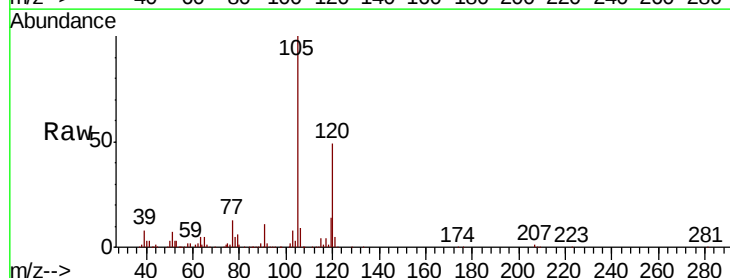
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

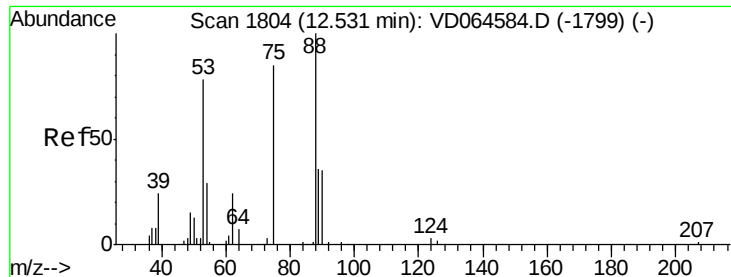
Tot Ion: 91 Resp: 247242
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.224 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 105 Resp: 314476
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.295 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

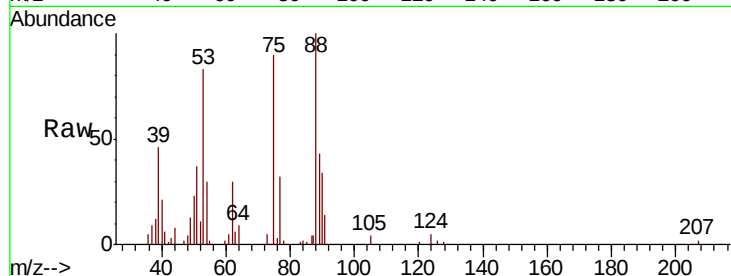
Tot Ion: 75 Resp: 20291

Ion Ratio Lower Upper

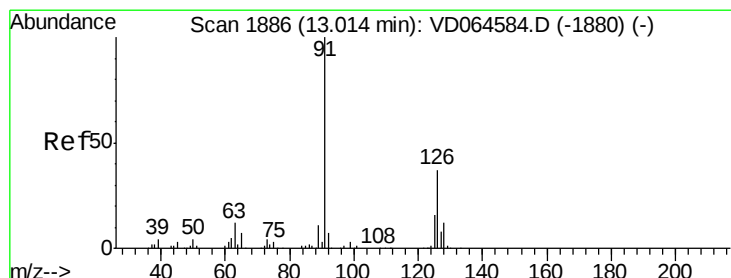
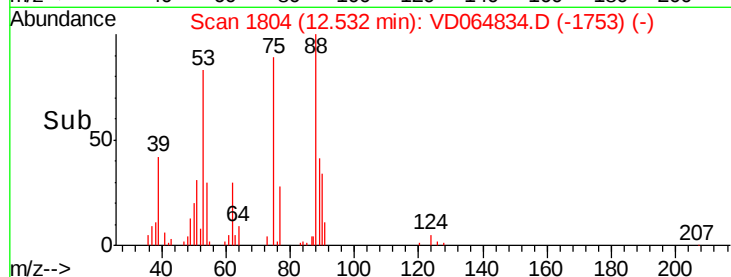
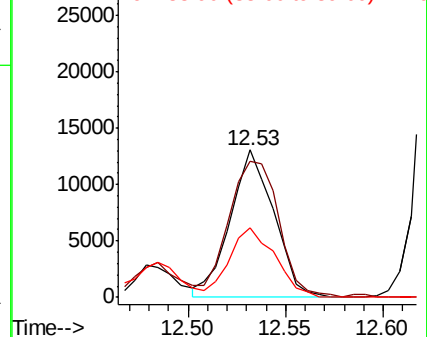
75 100

53 105.0 78.8 118.2

89 49.2 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: 22.790 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064834.D

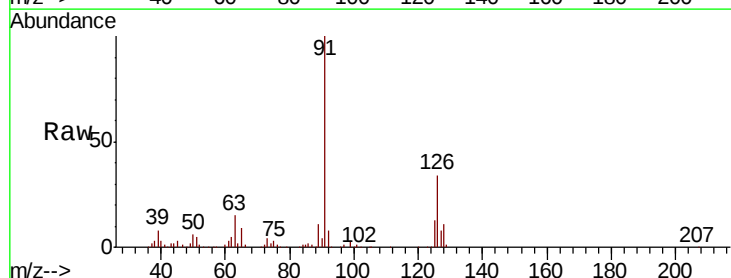
Acq: 10 Jan 2020 15:40

Tgt Ion: 91 Resp: 267743

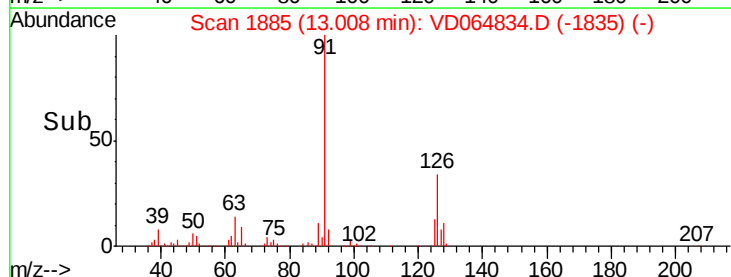
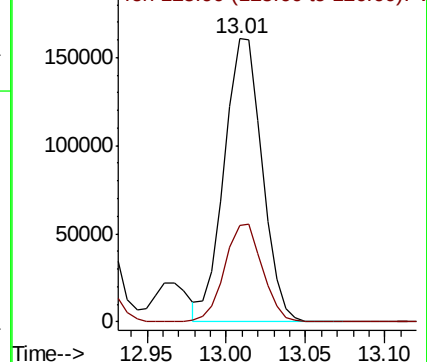
Ion Ratio Lower Upper

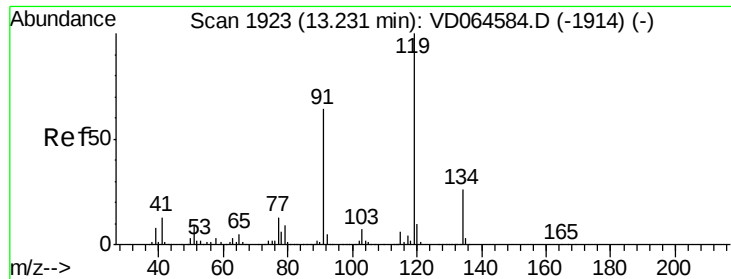
91 100

126 34.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

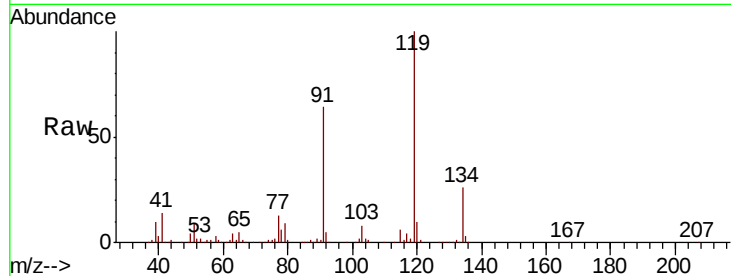




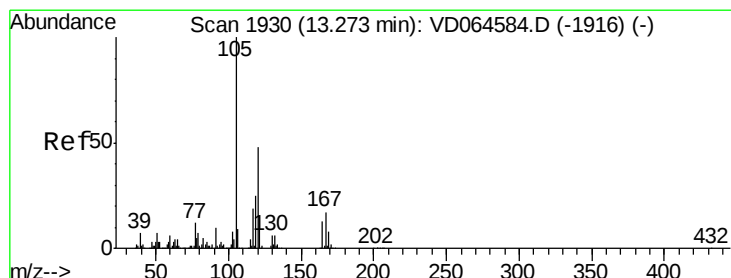
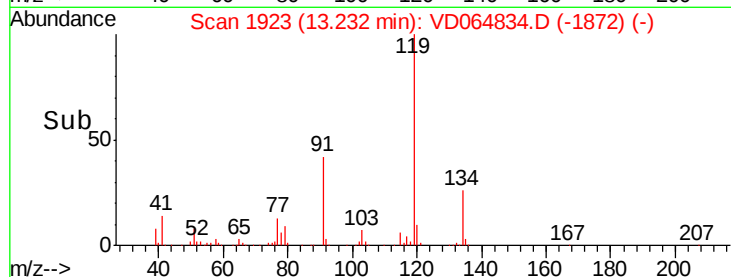
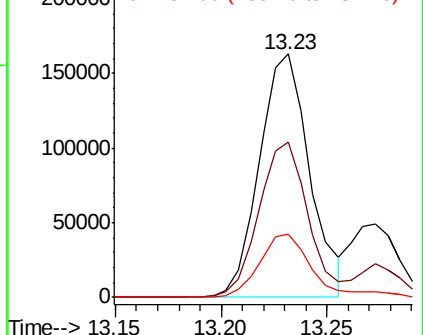
#83
tert-Butylbenzene
Concen: 21.990 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:119 Resp: 270169
Ion Ratio Lower Upper
119 100
91 62.0 30.8 92.4
134 27.7 12.8 38.3

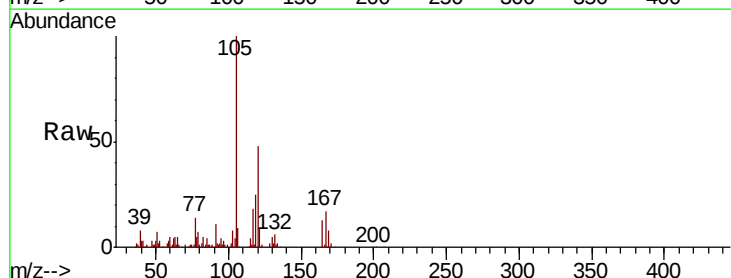


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

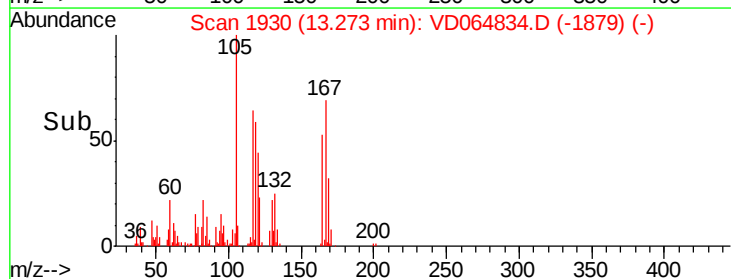
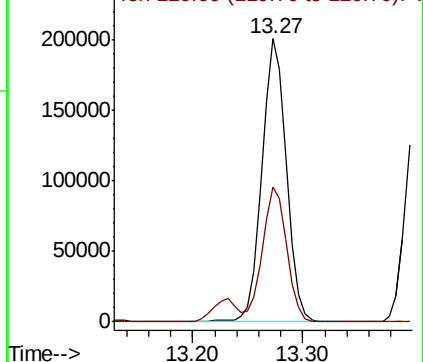


#84
1,2,4-Trimethylbenzene
Concen: 22.133 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:105 Resp: 311910
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 22.194 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

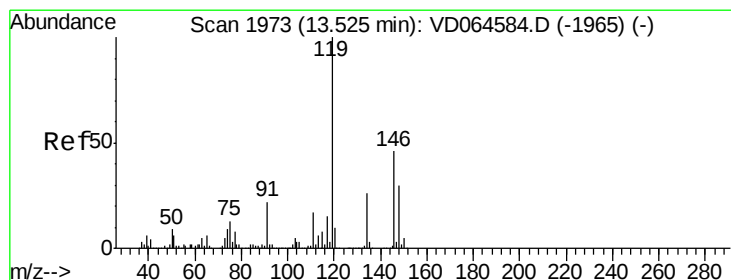
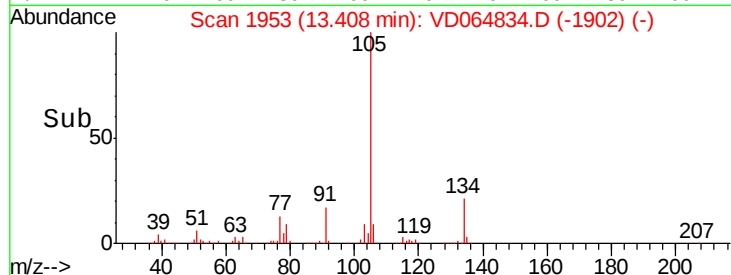
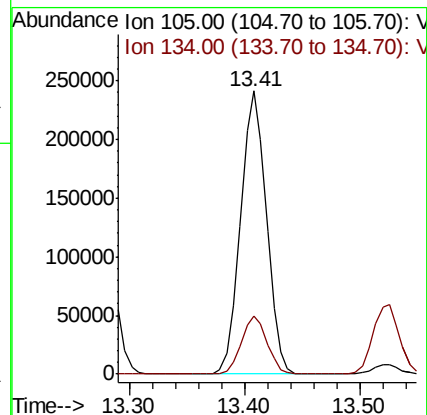
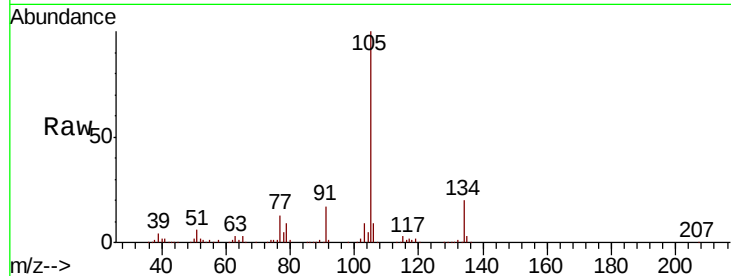
VD0110SBS01

Tot Ion:105 Resp: 373822

Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8



#86

p-Isopropyltoluene

Concen: 21.470 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

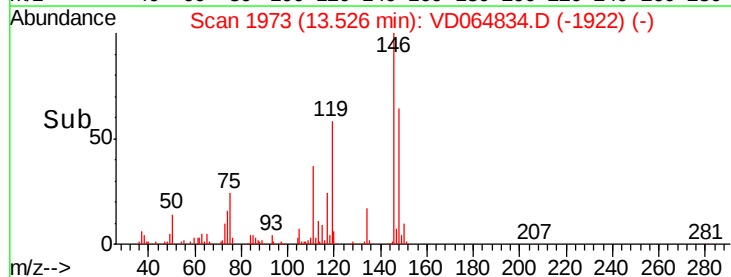
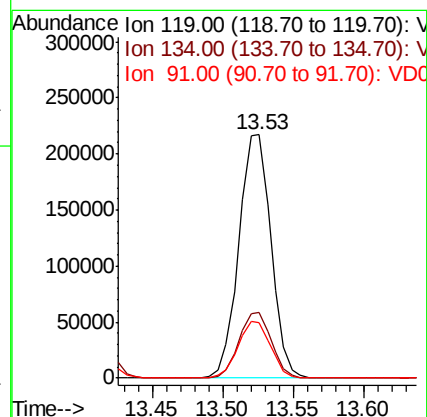
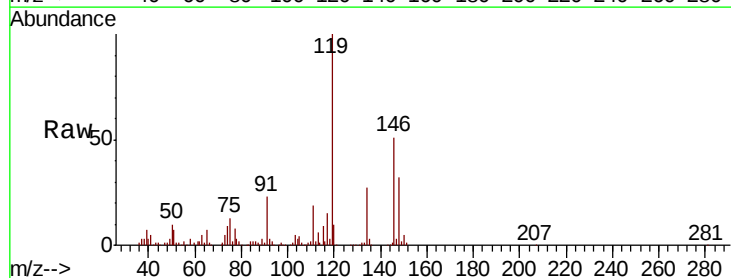
Tgt Ion:119 Resp: 345792

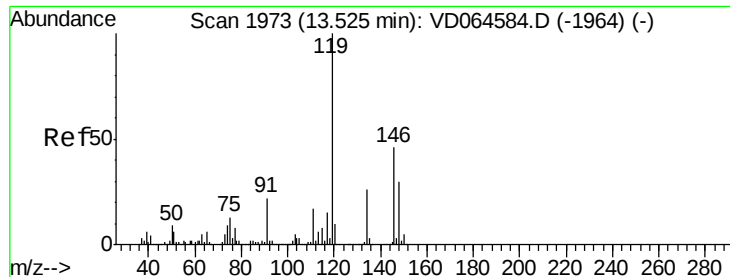
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 23.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 22.140 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

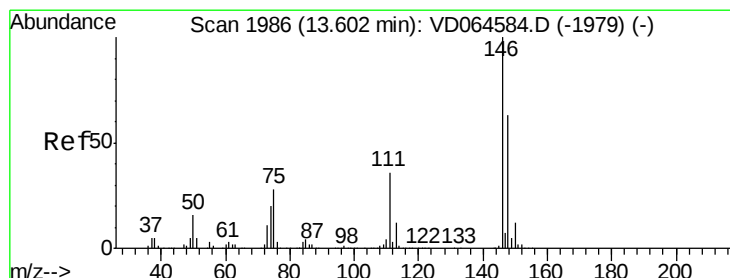
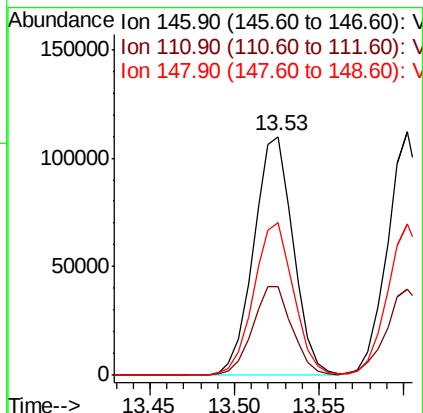
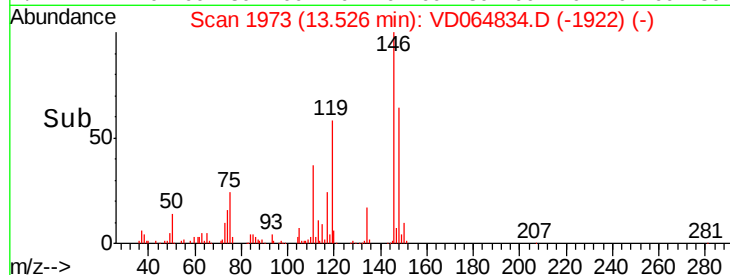
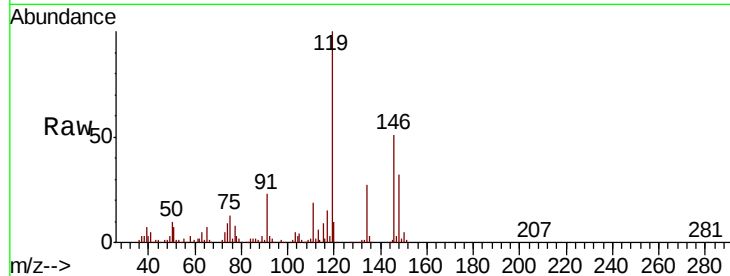
Tot Ion:146 Resp: 178645

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.4

148 64.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 22.412 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

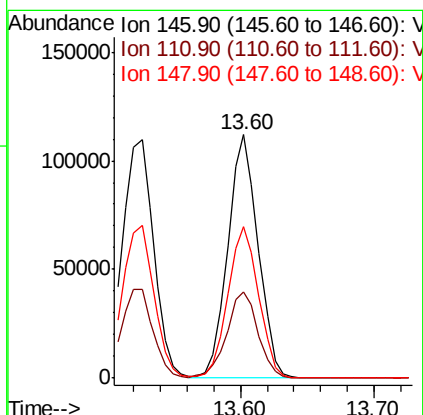
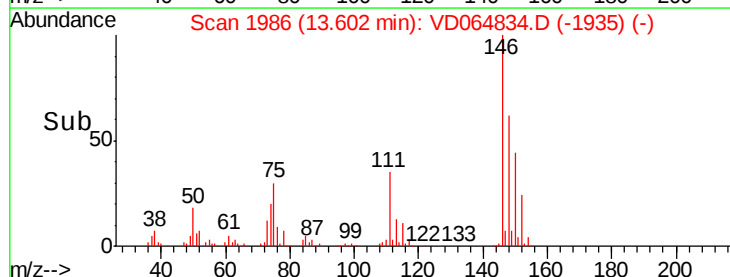
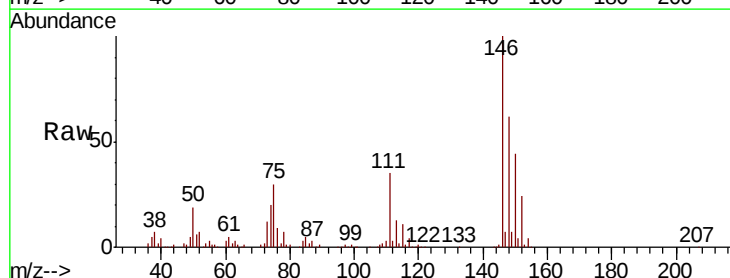
Tgt Ion:146 Resp: 177650

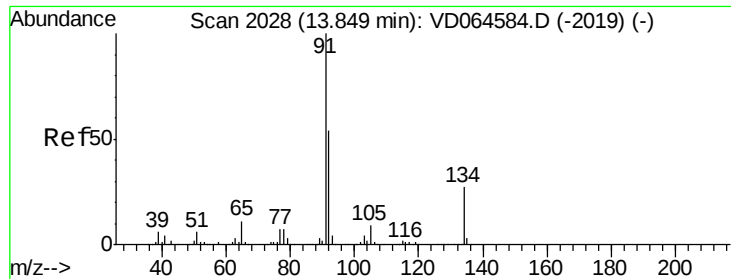
Ion Ratio Lower Upper

146 100

111 36.8 18.1 54.1

148 63.0 32.3 96.9

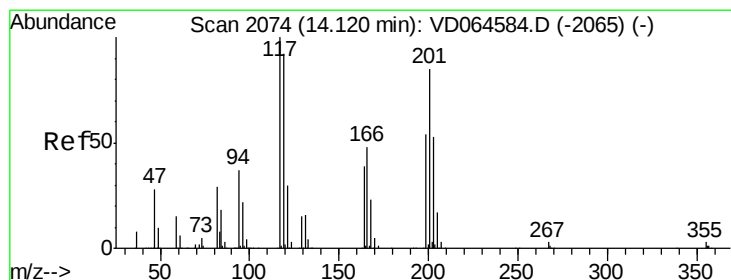
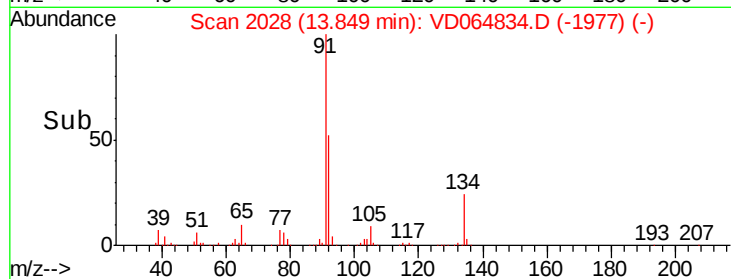
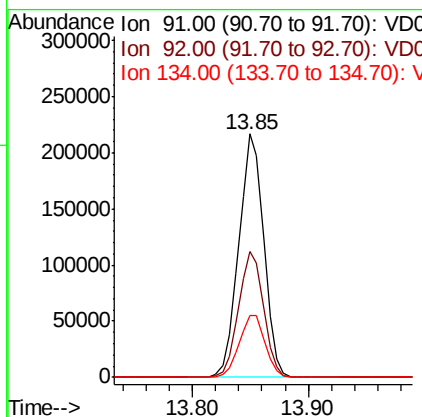
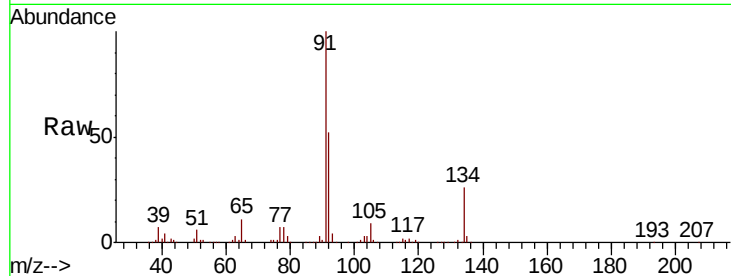




#89
n-Butylbenzene
Concen: 22.363 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

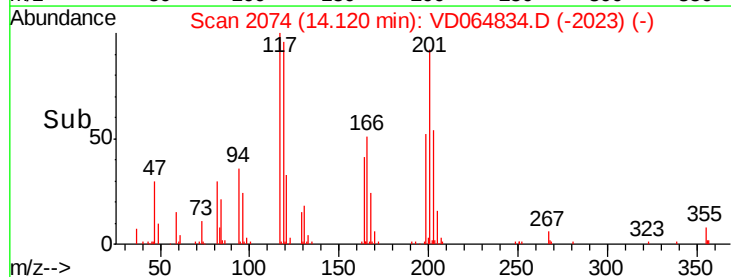
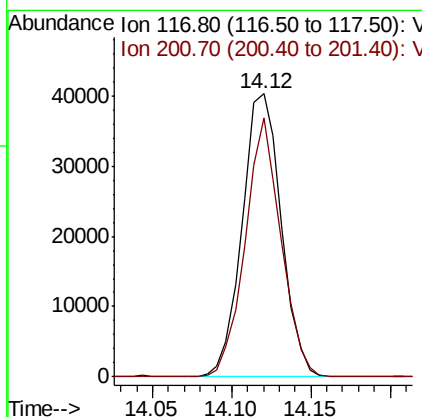
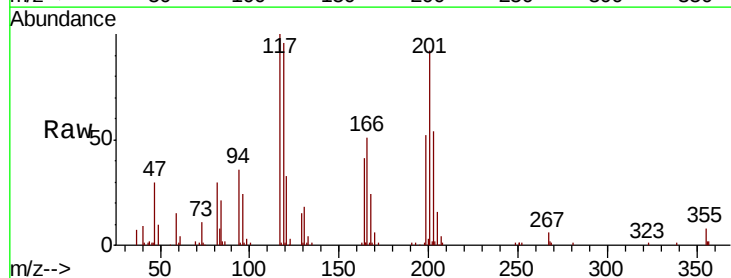
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

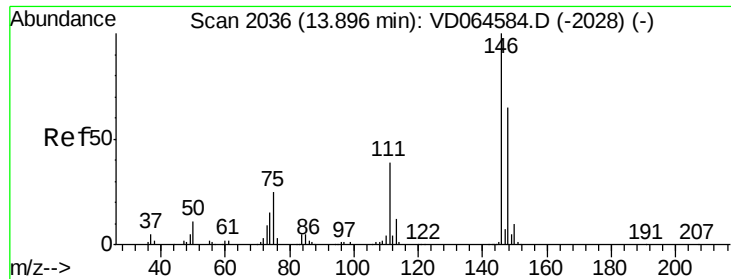
Tot Ion: 91 Resp: 324350
Ion Ratio Lower Upper
91 100
92 51.8 26.8 80.4
134 26.7 14.0 41.9



#90
Hexachloroethane
Concen: 22.443 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 117 Resp: 69047
Ion Ratio Lower Upper
117 100
201 83.8 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 22.316 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

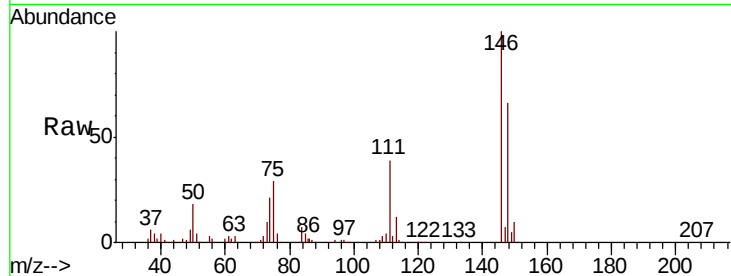
Tot Ion:146 Resp: 153542

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.9

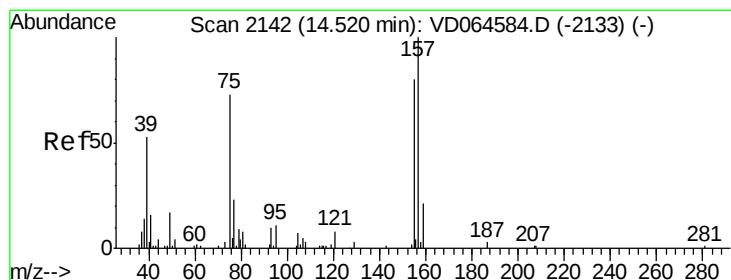
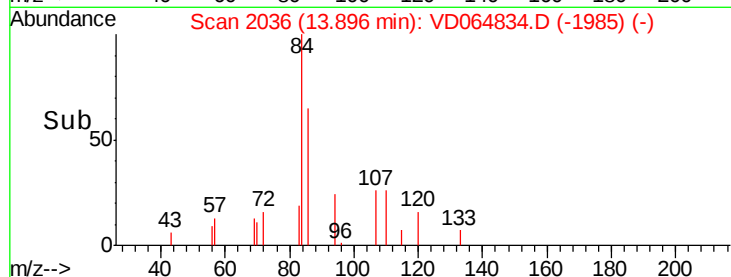
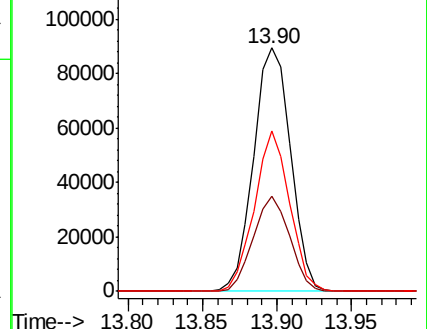
148 62.2 31.9 95.5



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: 23.290 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

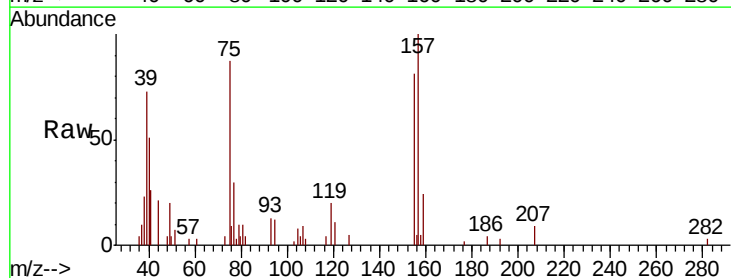
Tgt Ion: 75 Resp: 10217

Ion Ratio Lower Upper

75 100

155 90.0 48.0 144.0

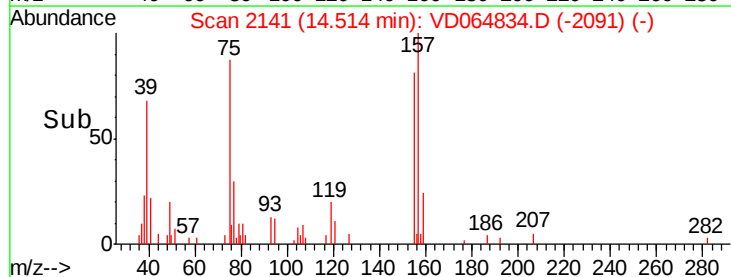
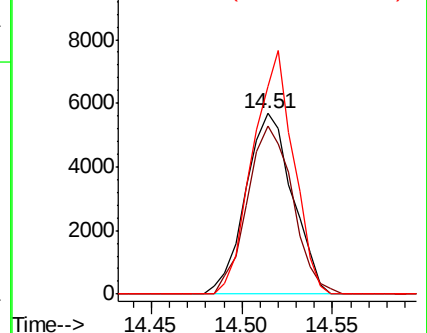
157 117.4 64.1 192.3

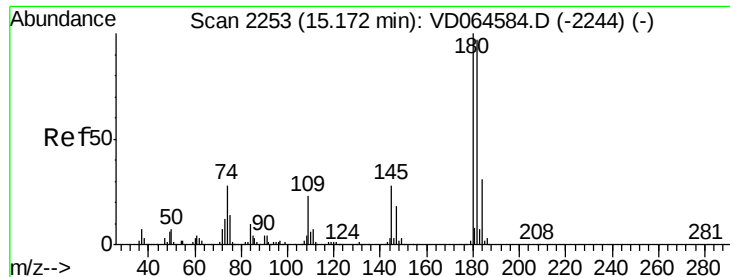


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

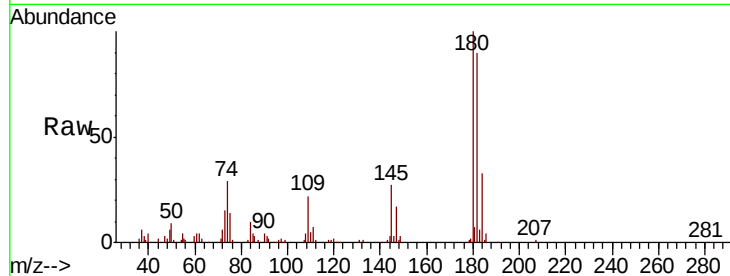




#93
 1,2,4-Trichlorobenzene
 Concen: 21.281 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	27.7	13.8	41.4

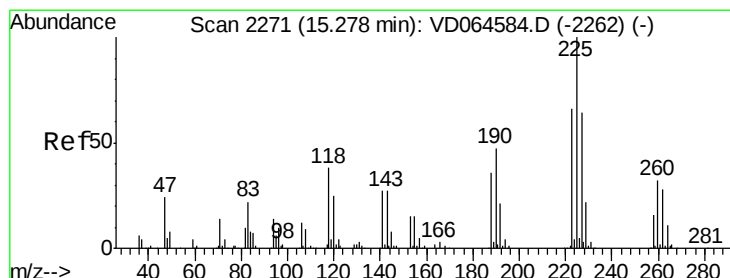
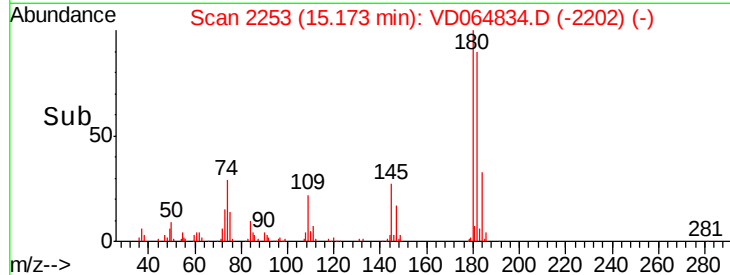
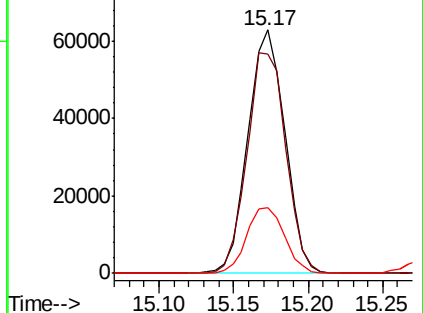


Abundance

Ion 179.80 (179.50 to 180.50): V

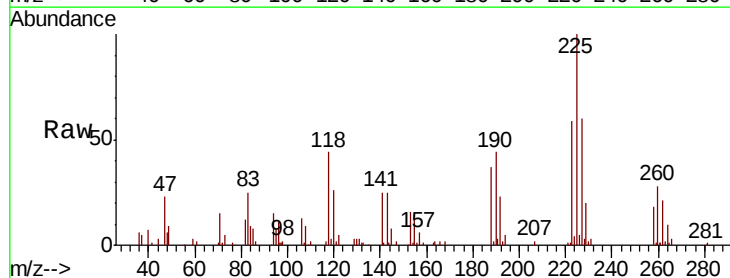
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.701 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.2
227	65.0	30.9	92.7

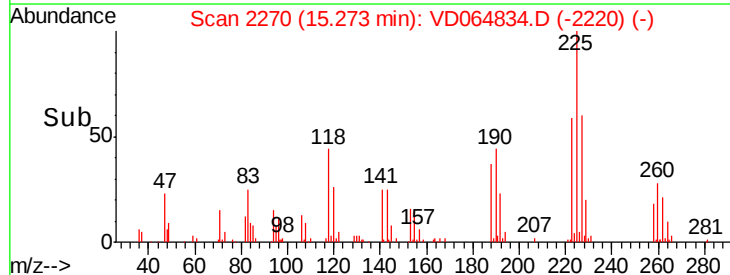
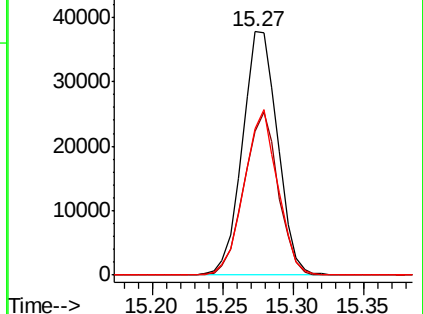


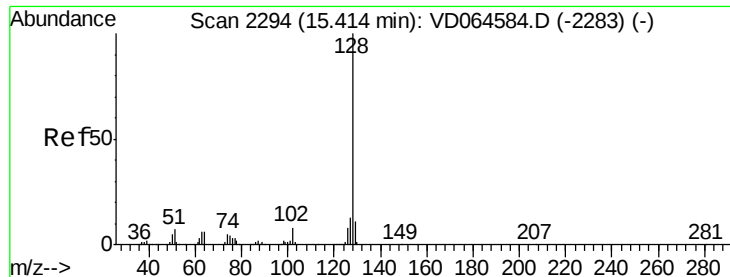
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

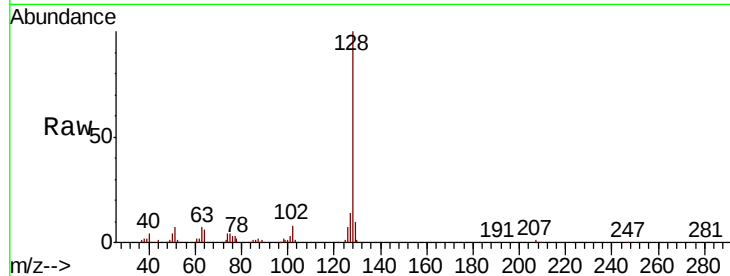




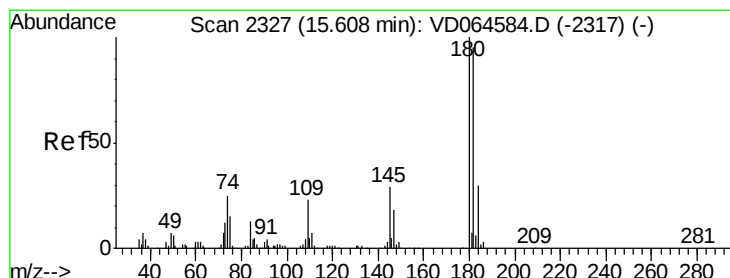
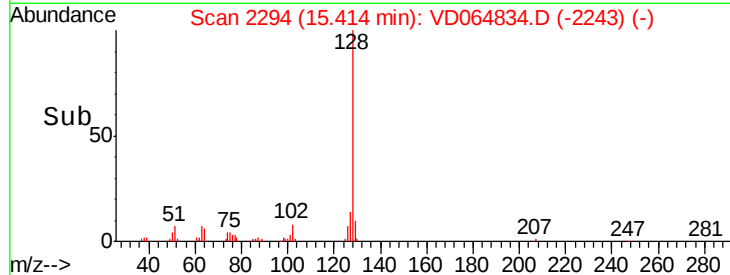
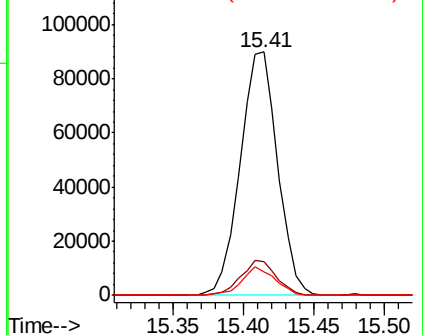
#95
Naphthalene
Concen: 20.785 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion:128 Resp: 166588
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 10.4 8.5 12.7

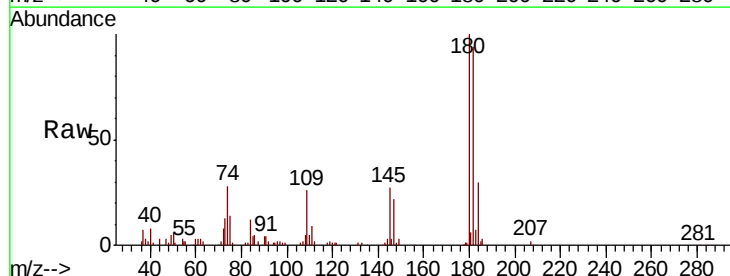


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.425 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:180 Resp: 92664
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 28.6 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

