

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064932.D
 Acq On : 23 Jan 2020 12:49
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 23 13:17:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	481138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	693947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	462008	107.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.02%	
35) Dibromofluoromethane	7.92	113	439954	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
50) Toluene-d8	10.34	98	1778983	107.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.36%	
62) 4-Bromofluorobenzene	12.64	95	547000	105.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	372517	100.10	ug/l	99
3) Chloromethane	2.21	50	512811	98.22	ug/l	97
4) Vinyl Chloride	2.35	62	608251	96.05	ug/l	99
5) Bromomethane	2.76	94	400388	88.13	ug/l	100
6) Chloroethane	2.92	64	398950	94.96	ug/l	95
7) Trichlorofluoromethane	3.27	101	939961	89.63	ug/l	98
8) Diethyl Ether	3.71	74	213831	100.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437806	99.23	ug/l	99
10) Methyl Iodide	4.30	142	537122	113.70	ug/l	99
11) Tert butyl alcohol	5.26	59	132400	540.77	ug/l	98
12) 1,1-Dichloroethene	4.06	96	424884	101.19	ug/l	93
13) Acrolein	3.93	56	155947	470.37	ug/l	96
14) Allyl chloride	4.71	41	702588	106.60	ug/l	98
15) Acrylonitrile	5.43	53	477311	538.49	ug/l	99
16) Acetone	4.17	43	481881	543.12	ug/l	100
17) Carbon Disulfide	4.40	76	1387619	101.58	ug/l	98
18) Methyl Acetate	4.73	43	214426	91.57	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	993625	106.24	ug/l	98
20) Methylene Chloride	4.97	84	458184	90.89	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	495244	103.03	ug/l	98
22) Diisopropyl ether	6.37	45	1420029	108.07	ug/l	97
23) Vinyl Acetate	6.31	43	4330481	579.30	ug/l	99
24) 1,1-Dichloroethane	6.27	63	825680	104.52	ug/l	98
25) 2-Butanone	7.23	43	665776	565.12	ug/l	99
26) 2,2-Dichloropropane	7.21	77	755157	103.20	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	532562	103.26	ug/l	100
28) Bromochloromethane	7.55	49	343110	110.00	ug/l	98
29) Tetrahydrofuran	7.57	42	401876	552.67	ug/l	99
30) Chloroform	7.71	83	852133	103.02	ug/l	98
31) Cyclohexane	7.99	56	782596	98.94	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	800223	103.04	ug/l	99
36) 1,1-Dichloropropene	8.12	75	706152	105.70	ug/l	99
37) Ethyl Acetate	7.30	43	287547	110.34	ug/l	99
38) Carbon Tetrachloride	8.10	117	737781	103.88	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	849873	105.59	ug/l	98
40) Benzene	8.36	78	1956813	107.22	ug/l	99
41) Methacrylonitrile	7.53	41	134276	87.93	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	560620	105.87	ug/l	99
43) Isopropyl Acetate	8.46	43	562209	108.27	ug/l	99
44) Trichloroethene	9.11	130	539816	101.73	ug/l	97
45) 1,2-Dichloropropane	9.39	63	459759	105.70	ug/l	97
46) Dibromomethane	9.48	93	249219	103.58	ug/l	99
47) Bromodichloromethane	9.67	83	659958	102.91	ug/l	100
48) Methyl methacrylate	9.46	41	263647	108.51	ug/l	97
49) 1,4-Dioxane	9.47	88	59172	2099.55	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	1453202	562.28	ug/l	100
52) Toluene	10.41	92	1303597	109.32	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	658107	109.46	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	762675	107.88	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	338608	103.77	ug/l	97
56) Ethyl methacrylate	10.67	69	458196	112.71	ug/l	99
57) 1,3-Dichloropropane	10.95	76	588099	104.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	630066	418.31	ug/l	99
59) 2-Hexanone	10.99	43	1025065	582.96	ug/l	100
60) Dibromochloromethane	11.14	129	461022	102.85	ug/l	98
61) 1,2-Dibromoethane	11.25	107	332587	103.92	ug/l	98
64) Tetrachloroethene	10.88	164	465688	98.75	ug/l	98
65) Chlorobenzene	11.67	112	1318421	103.74	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	501822	104.24	ug/l	98
67) Ethyl Benzene	11.75	91	2472383	106.62	ug/l	98
68) m/p-Xylenes	11.86	106	1925091	215.62	ug/l	99
69) o-Xylene	12.18	106	854654	106.20	ug/l	98
70) Styrene	12.20	104	1535774	108.08	ug/l	99
71) Bromoform	12.37	173	278288	101.97	ug/l #	98
73) Isopropylbenzene	12.48	105	2333560	103.85	ug/l	99
74) N-amyl acetate	12.30	43	528409	109.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	360183	101.38	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	499905	191.71	ug/l #	100
77) Bromobenzene	12.77	156	540660	98.19	ug/l	99
78) n-propylbenzene	12.83	91	2733674	103.95	ug/l	100
79) 2-Chlorotoluene	12.91	91	1479912	102.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1928583	104.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	129426	107.83	ug/l	97
82) 4-Chlorotoluene	13.01	91	1568889	102.27	ug/l	99
83) tert-Butylbenzene	13.23	119	1646395	103.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1916754	104.16	ug/l	100
85) sec-Butylbenzene	13.41	105	2289814	104.35	ug/l	99
86) p-Isopropyltoluene	13.52	119	2202854	105.12	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1075817	102.48	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1020147	99.04	ug/l	100
89) n-Butylbenzene	13.85	91	1979887	104.44	ug/l	98
90) Hexachloroethane	14.12	117	395520	98.82	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	883856	98.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60194	104.73	ug/l	98

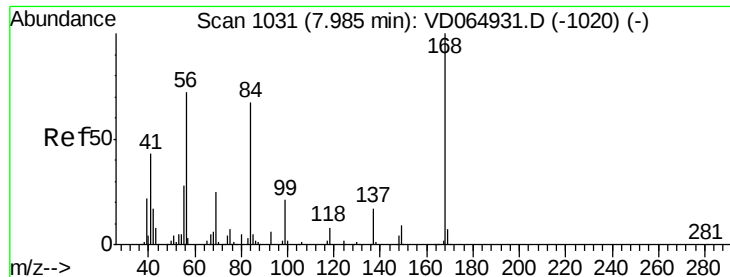
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	619168	94.98	ug/l	98
94) Hexachlorobutadiene	15.28	225	386111	94.24	ug/l	98
95) Naphthalene	15.41	128	1083357	104.74	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	539340	96.59	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

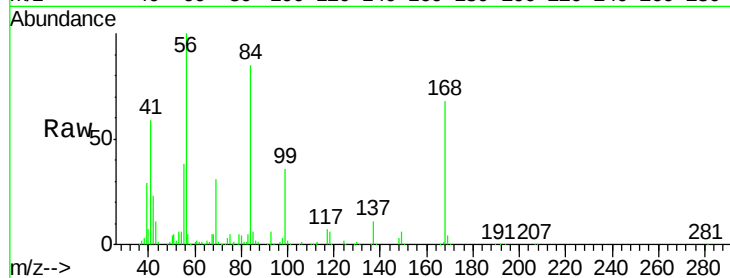
VSTDICC100

Tgt Ion:168 Resp: 481138

Ion Ratio Lower Upper

168 100

99 52.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

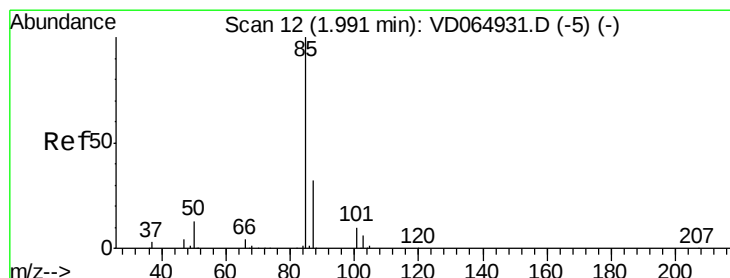
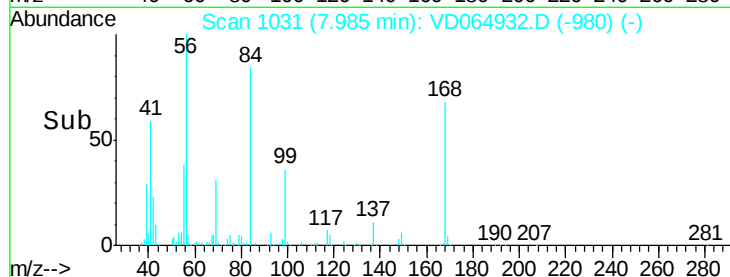
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 100.10 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064932.D

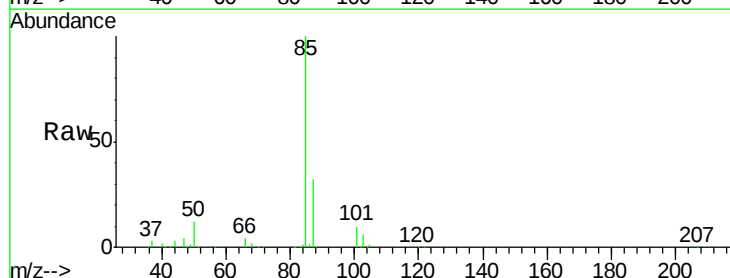
Acq: 23 Jan 2020 12:49

Tgt Ion: 85 Resp: 372517

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

250000

200000

150000

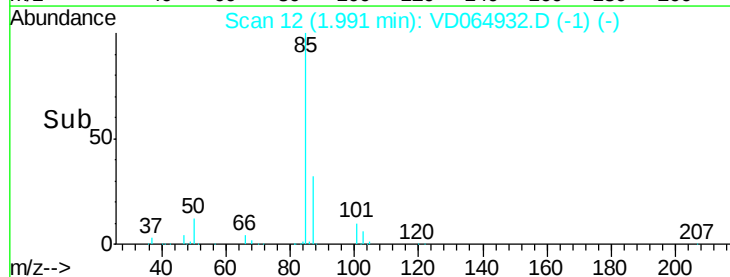
100000

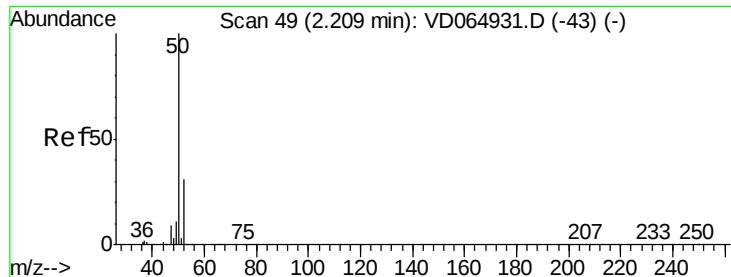
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 98.22 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

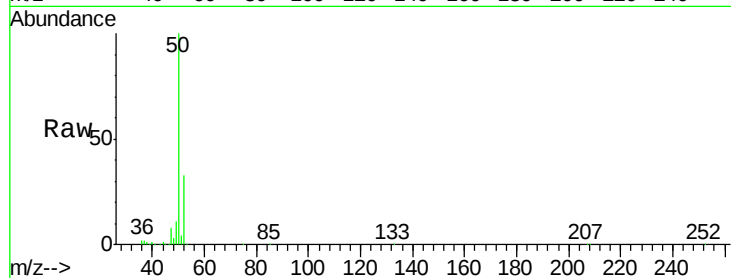
VSTDIC100

Tgt Ion: 50 Resp: 512811

Ion Ratio Lower Upper

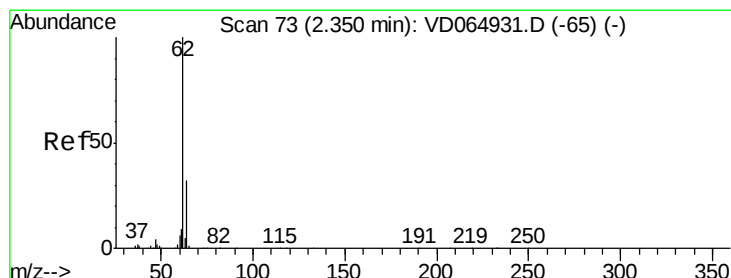
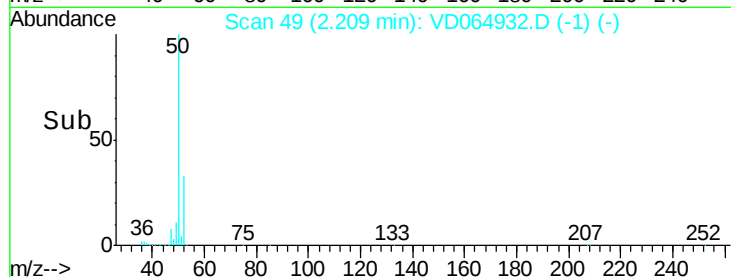
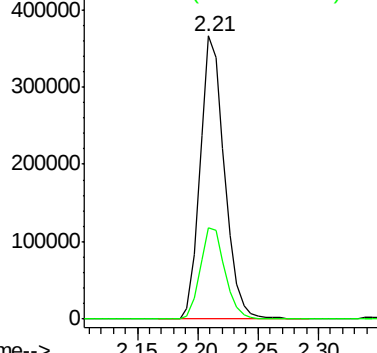
50 100

52 32.5 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 96.05 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064932.D

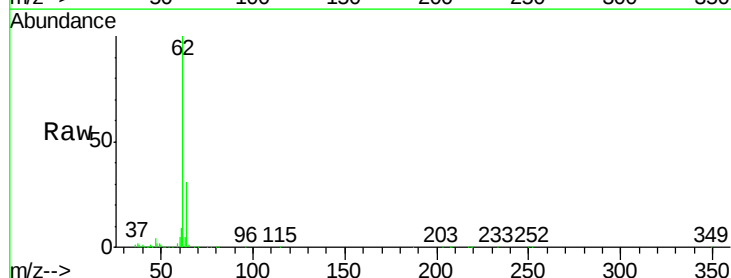
Acq: 23 Jan 2020 12:49

Tgt Ion: 62 Resp: 608251

Ion Ratio Lower Upper

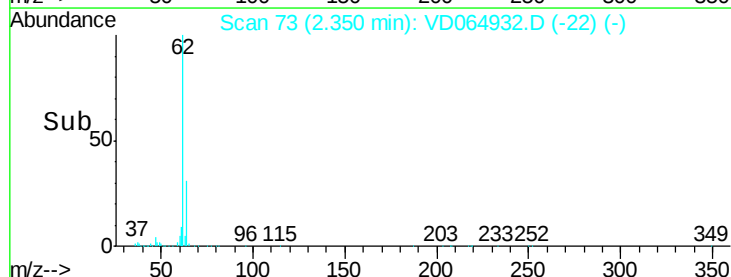
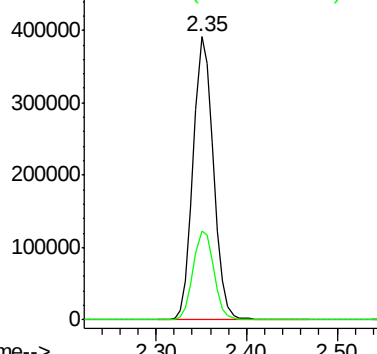
62 100

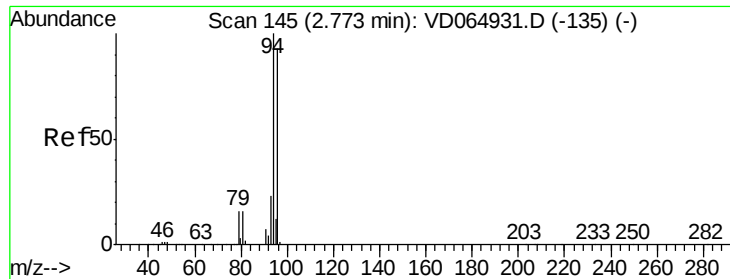
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 88.13 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

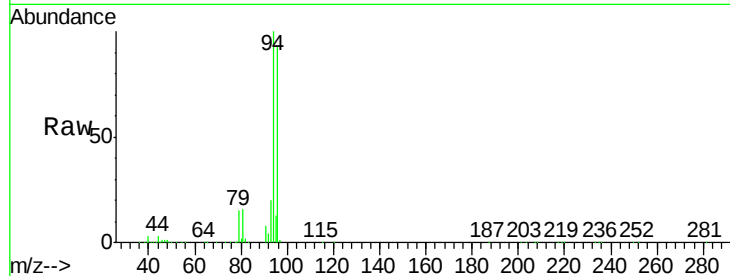
VSTDIC100

Tgt Ion: 94 Resp: 400388

Ion Ratio Lower Upper

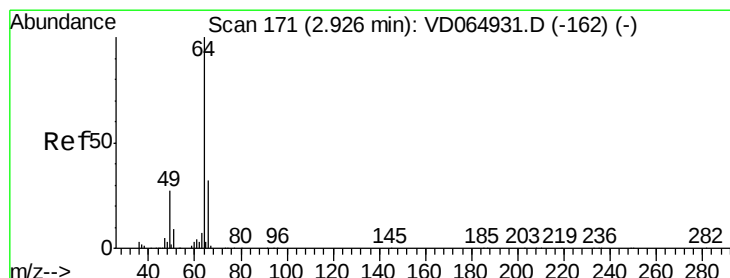
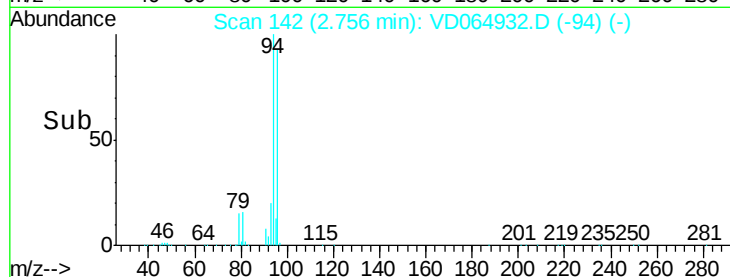
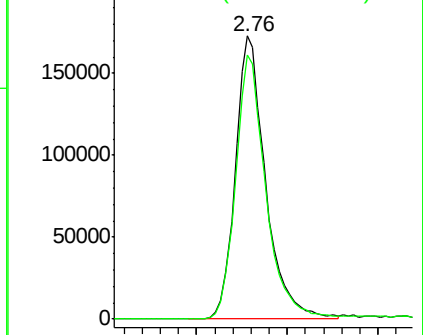
94 100

96 93.1 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 94.96 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064932.D

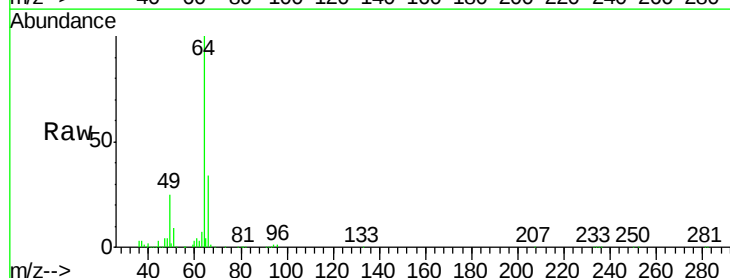
Acq: 23 Jan 2020 12:49

Tgt Ion: 64 Resp: 398950

Ion Ratio Lower Upper

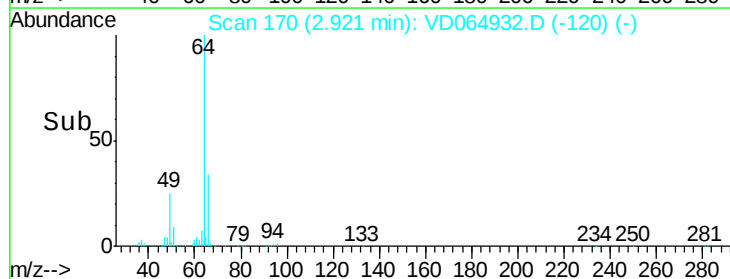
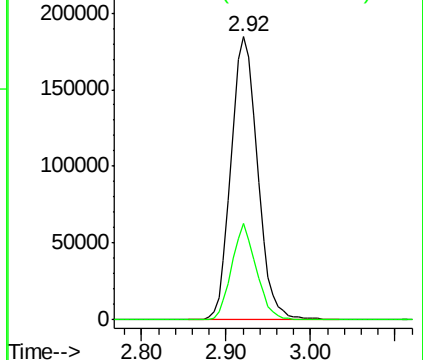
64 100

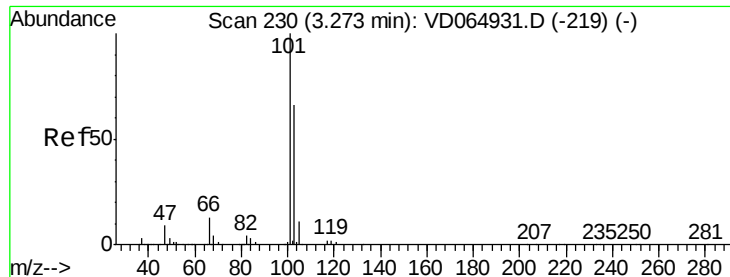
66 34.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 89.63 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

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ClientSampleId :

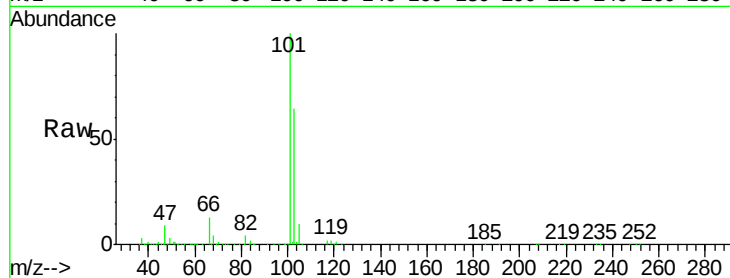
VSTDIC100

Tgt Ion: 101 Resp: 939961

Ion Ratio Lower Upper

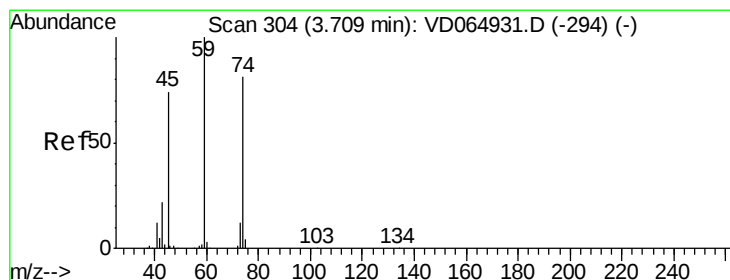
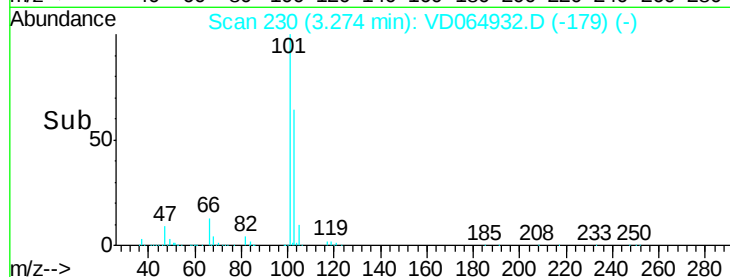
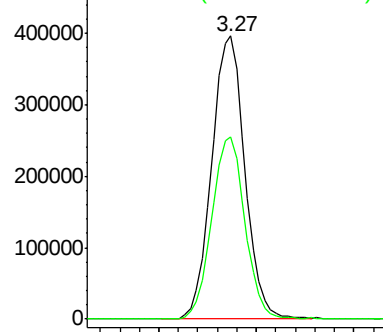
101 100

103 64.3 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 100.63 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064932.D

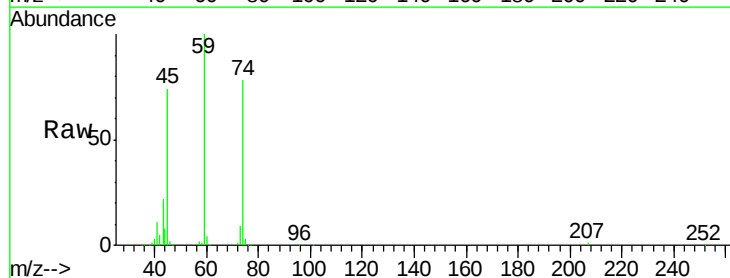
Acq: 23 Jan 2020 12:49

Tgt Ion: 74 Resp: 213831

Ion Ratio Lower Upper

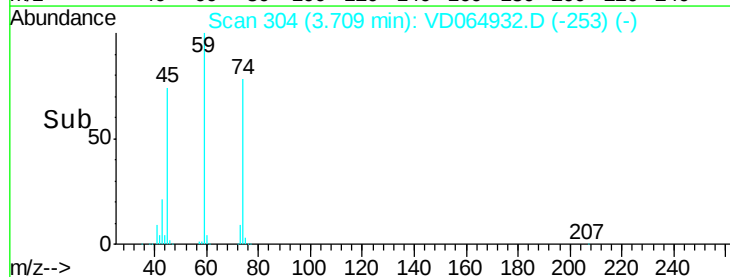
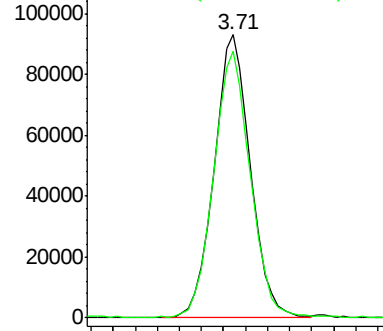
74 100

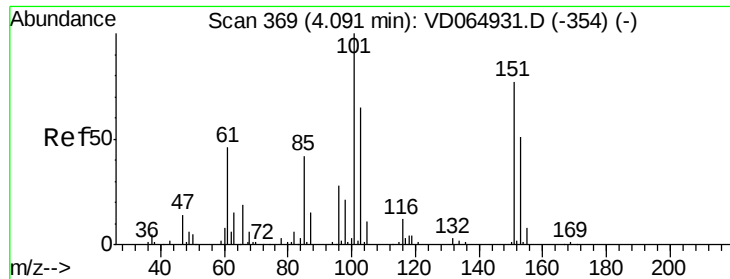
45 95.4 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.23 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

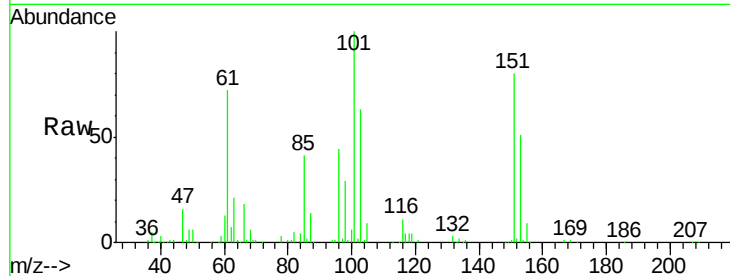
Tgt Ion:101 Resp: 437806

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

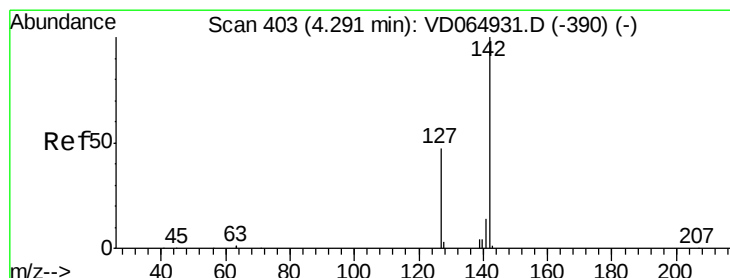
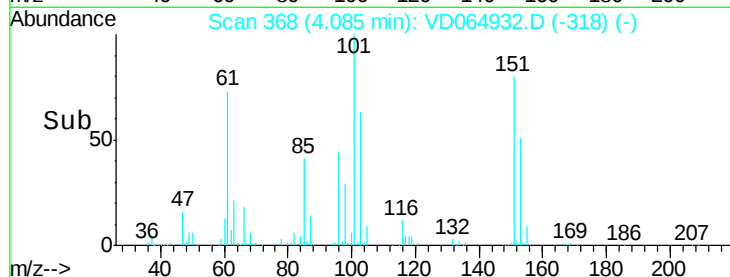
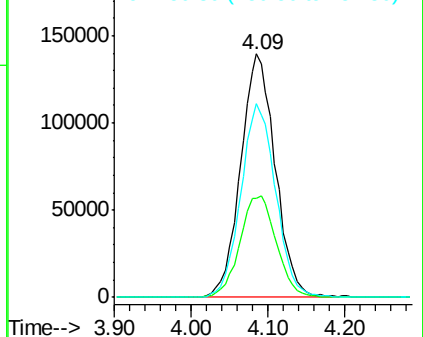
151 80.2 64.6 96.8



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: 113.70 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

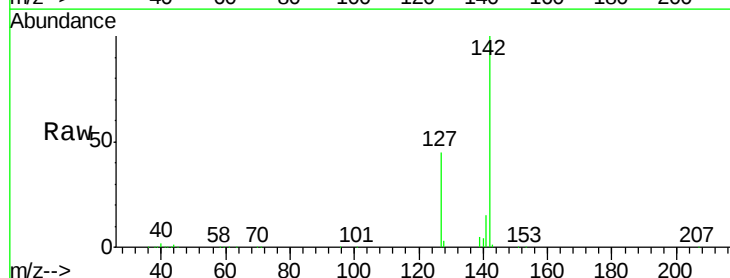
Tgt Ion:142 Resp: 537122

Ion Ratio Lower Upper

142 100

127 44.0 36.2 54.2

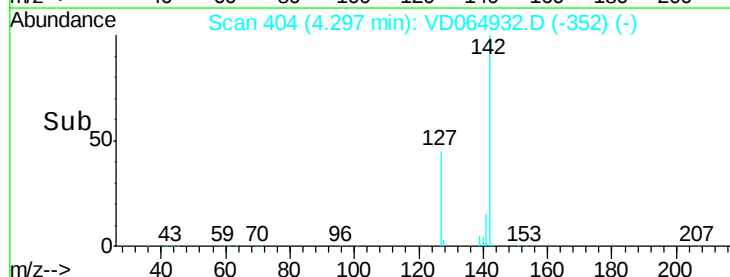
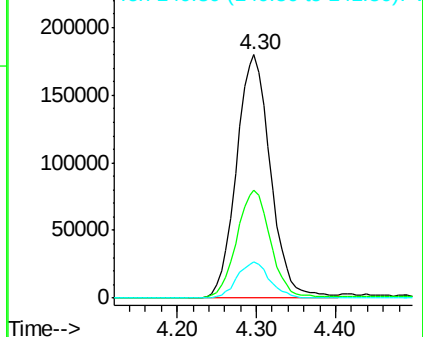
141 14.4 11.6 17.4

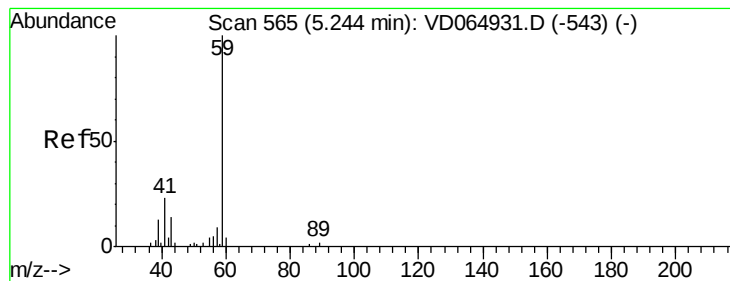


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 540.77 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

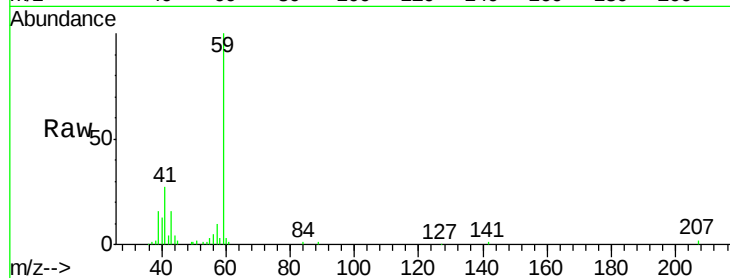
VSTDICC100

Tgt Ion: 59 Resp: 132400

Ion Ratio Lower Upper

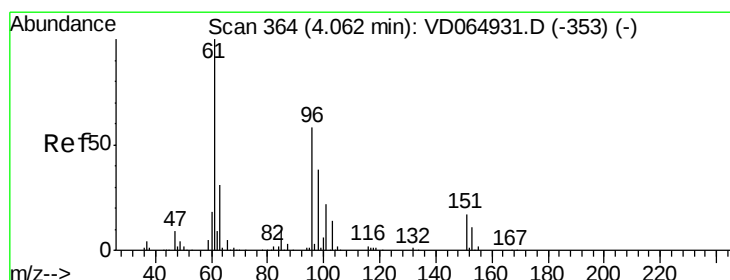
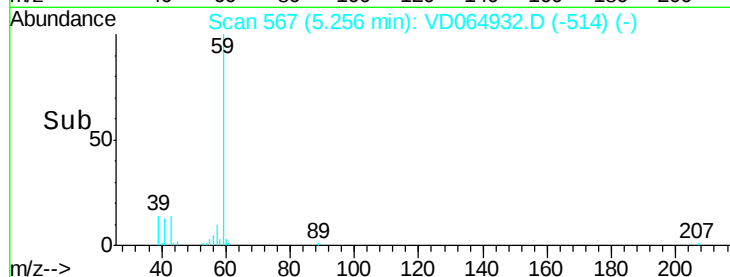
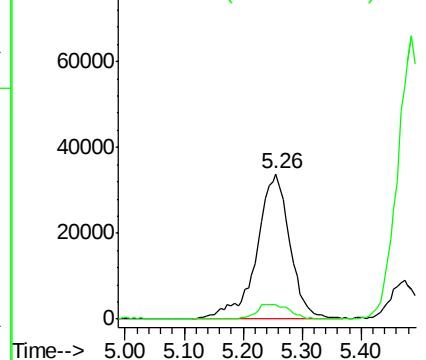
59 100

57 10.3 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 101.19 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

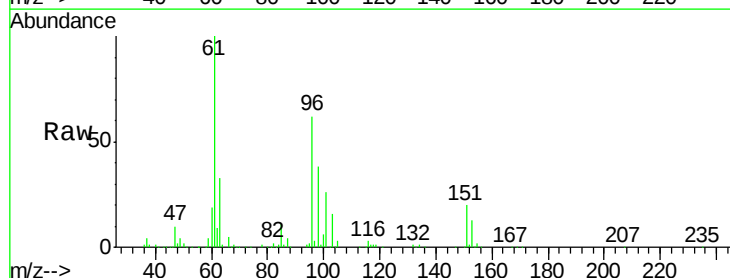
Tgt Ion: 96 Resp: 424884

Ion Ratio Lower Upper

96 100

61 161.0 137.0 205.4

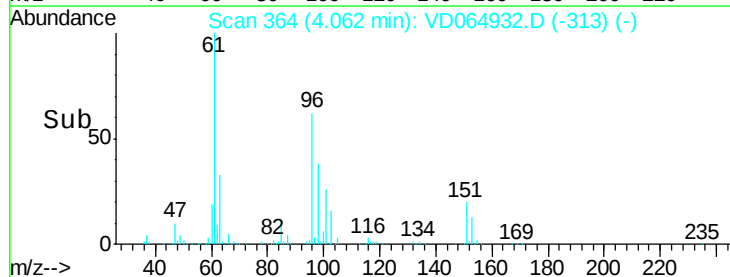
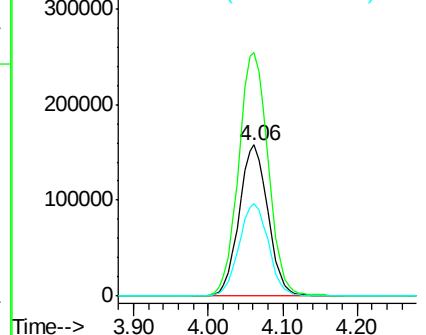
98 61.2 52.1 78.1

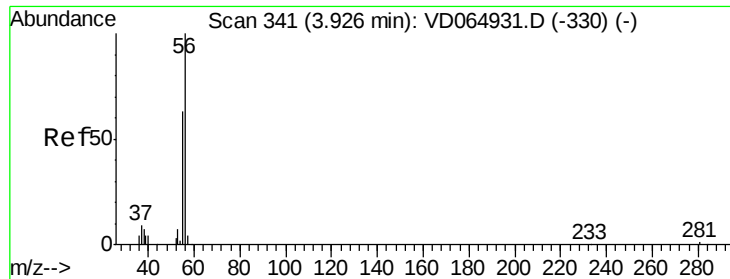


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 470.37 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

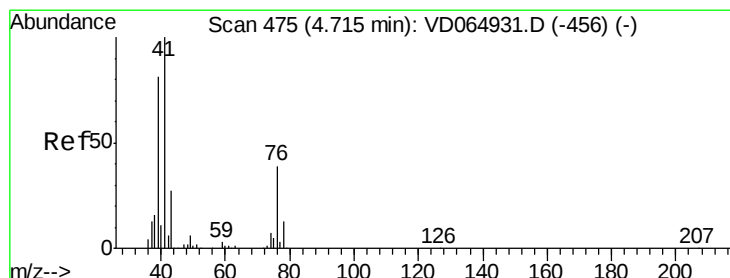
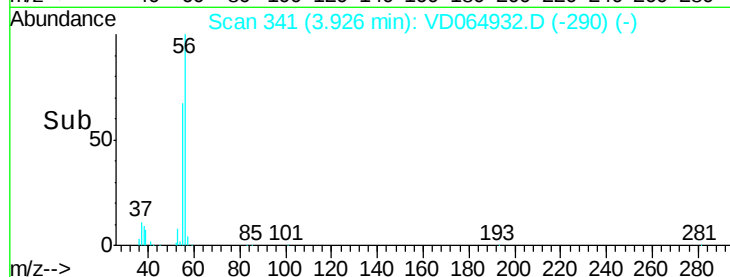
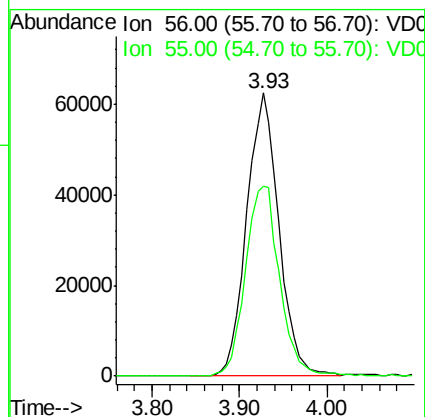
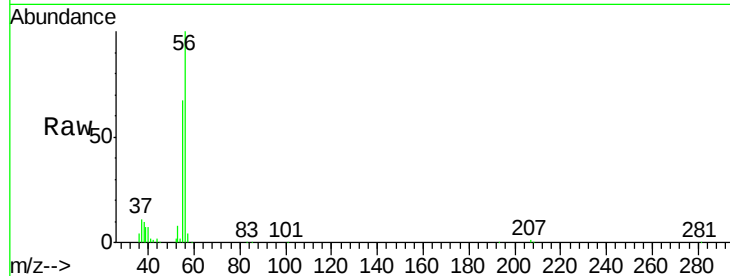
VSTDICC100

Tgt Ion: 56 Resp: 155947

Ion Ratio Lower Upper

56 100

55 71.1 59.7 89.5



#14

Allyl chloride

Concen: 106.60 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

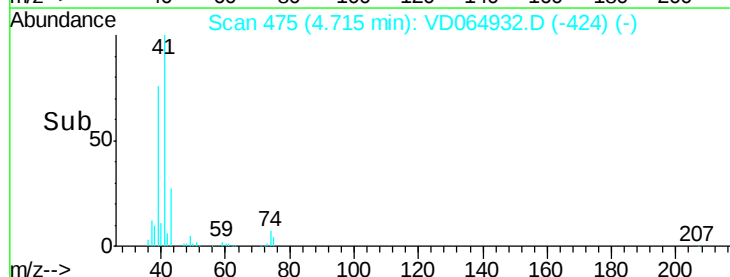
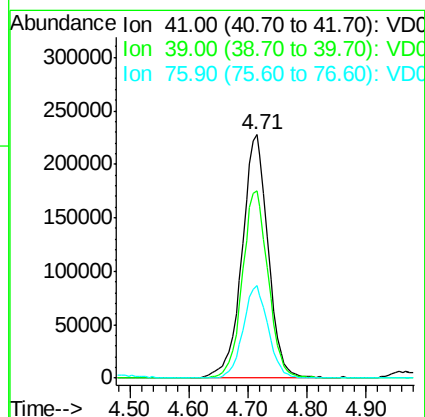
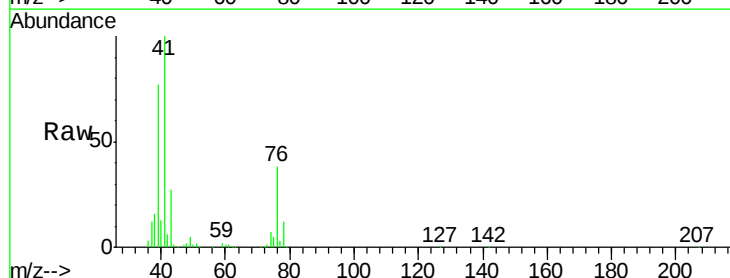
Tgt Ion: 41 Resp: 702588

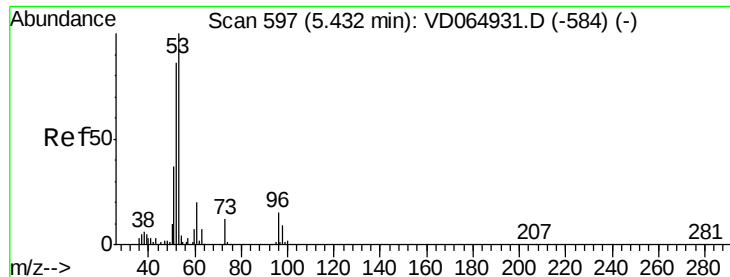
Ion Ratio Lower Upper

41 100

39 75.9 62.0 93.0

76 35.9 29.3 43.9





#15

Acrylonitrile

Concen: 538.49 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

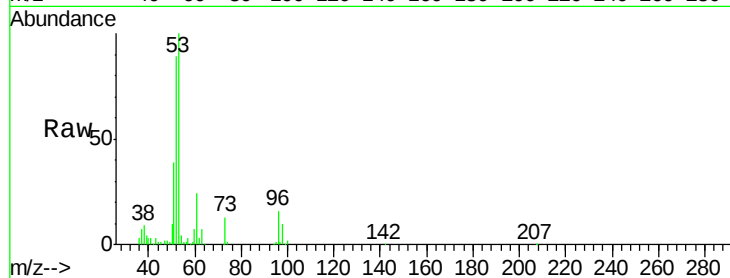
Tgt Ion: 53 Resp: 477311

Ion Ratio Lower Upper

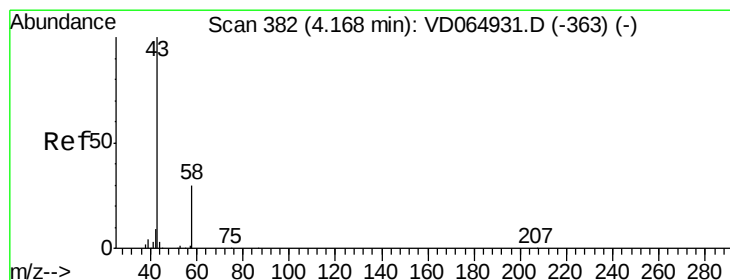
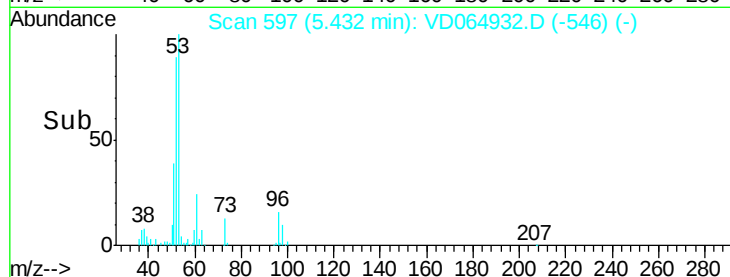
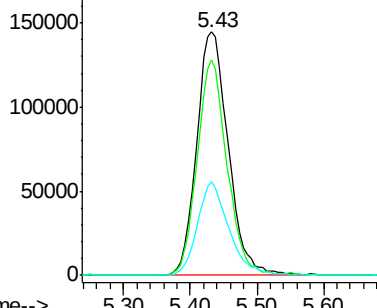
53 100

52 83.7 66.7 100.1

51 38.3 31.1 46.7



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: 543.12 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064932.D

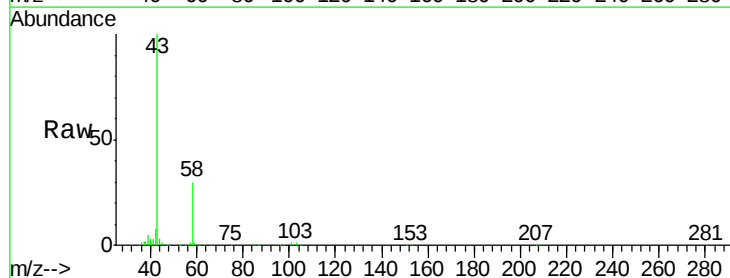
Acq: 23 Jan 2020 12:49

Tgt Ion: 43 Resp: 481881

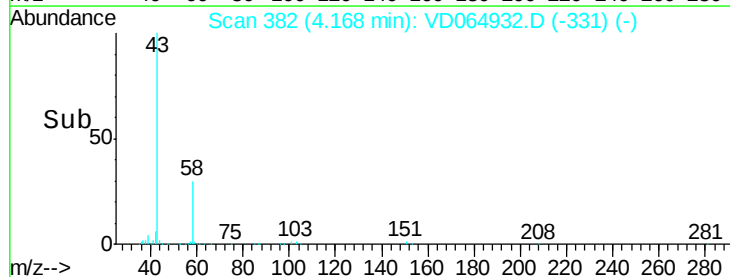
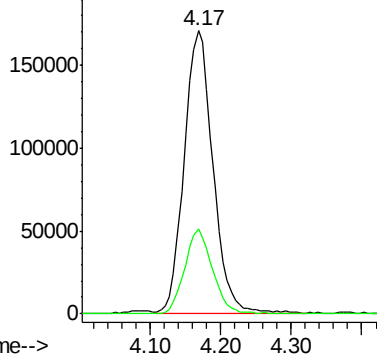
Ion Ratio Lower Upper

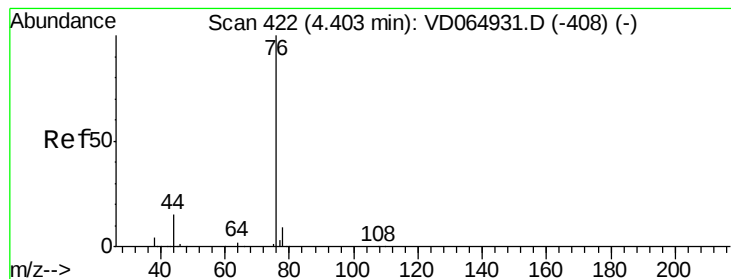
43 100

58 29.8 23.8 35.8



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





#17

Carbon Disulfide

Concen: 101.58 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

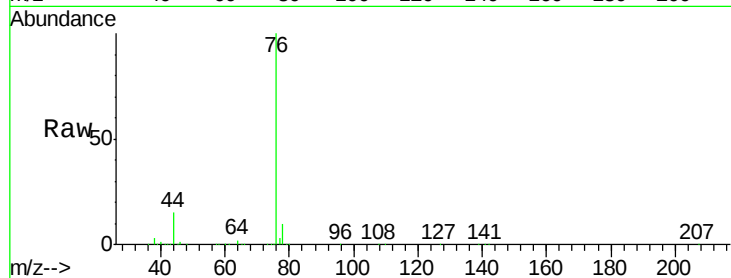
VSTDIC100

Tgt Ion: 76 Resp: 1387619

Ion Ratio Lower Upper

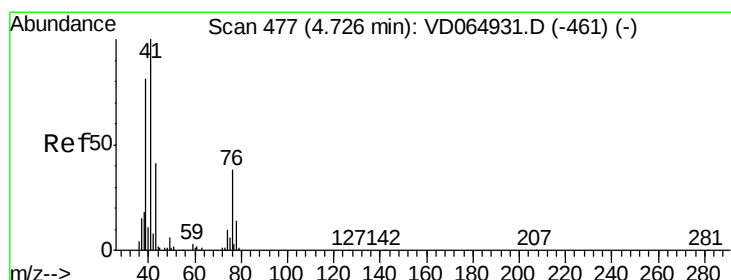
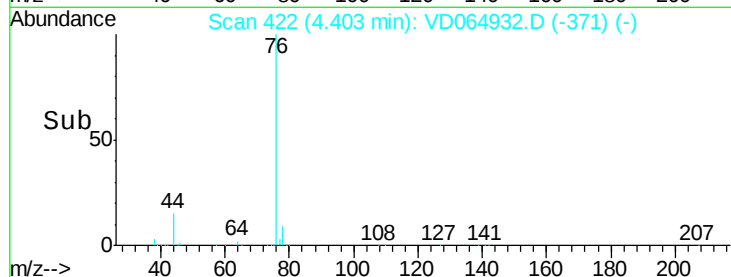
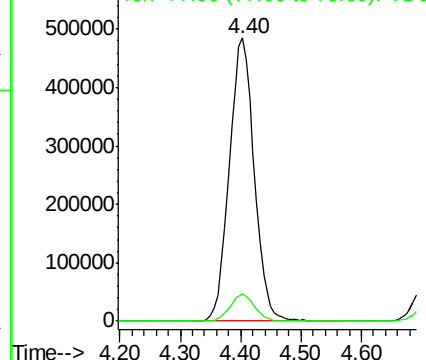
76 100

78 9.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 91.57 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064932.D

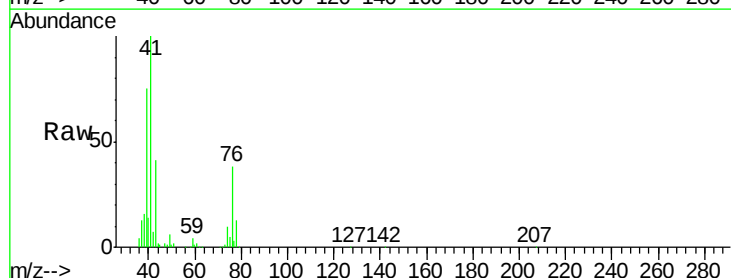
Acq: 23 Jan 2020 12:49

Tgt Ion: 43 Resp: 214426

Ion Ratio Lower Upper

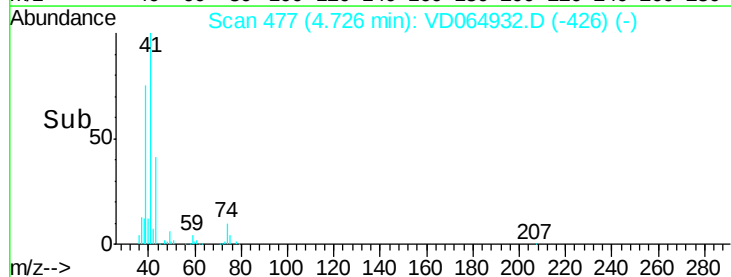
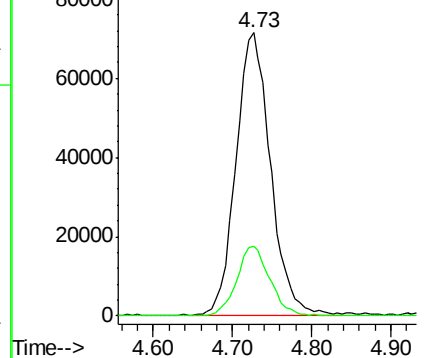
43 100

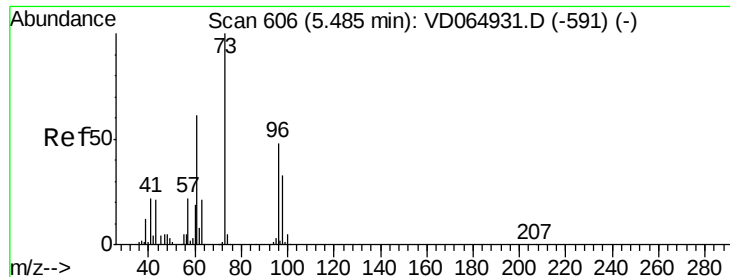
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 106.24 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

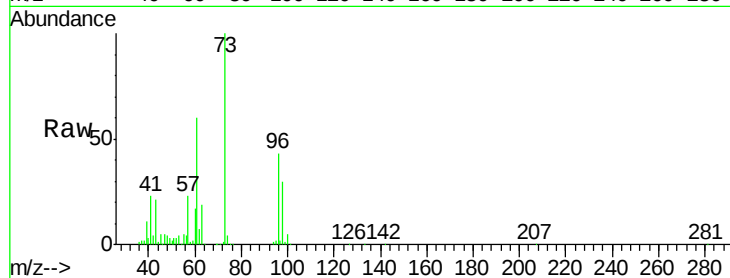
VSTDIC100

Tgt Ion: 73 Resp: 993625

Ion Ratio Lower Upper

73 100

57 23.2 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.49

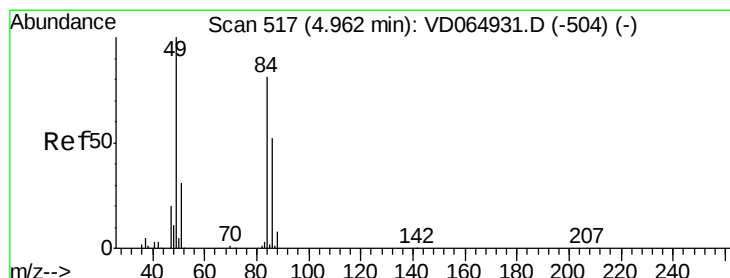
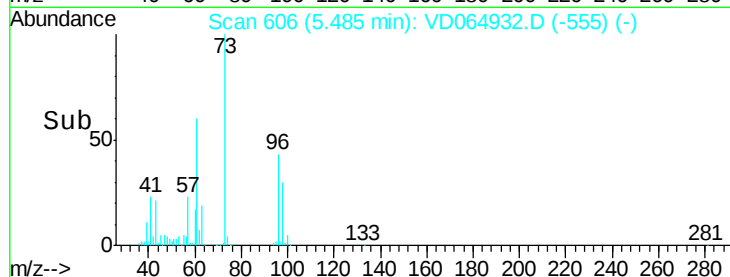
300000

200000

100000

0

Time--> 5.30 5.40 5.50 5.60 5.70



#20

Methylene Chloride

Concen: 90.89 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion: 84 Resp: 458184

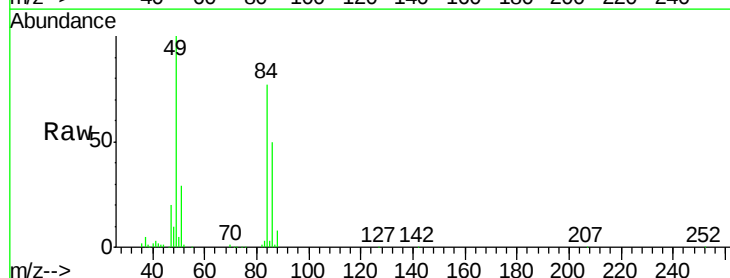
Ion Ratio Lower Upper

84 100

49 129.7 98.4 147.6

51 37.1 30.8 46.2

86 64.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

250000

200000

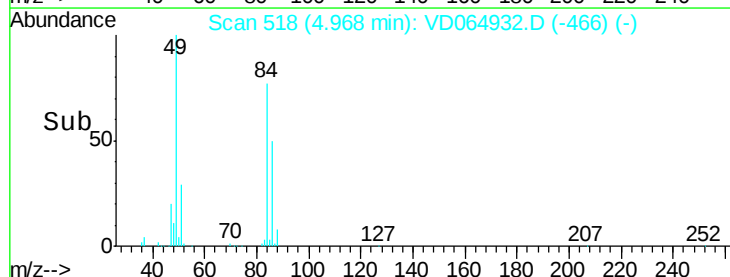
150000

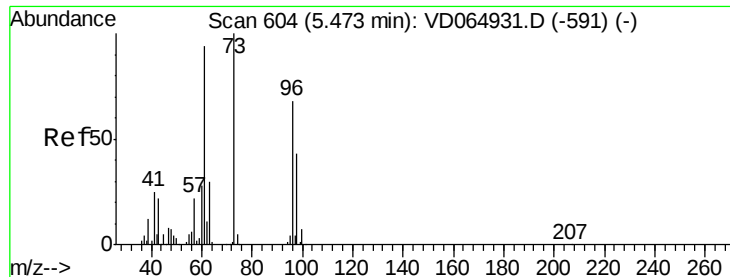
100000

50000

0

Time--> 4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 103.03 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

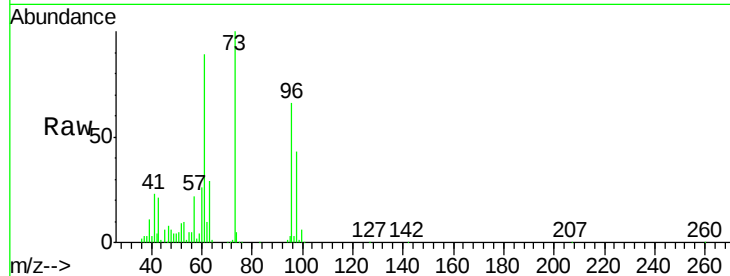
Tgt Ion: 96 Resp: 495244

Ion Ratio Lower Upper

96 100

61 135.3 110.4 165.6

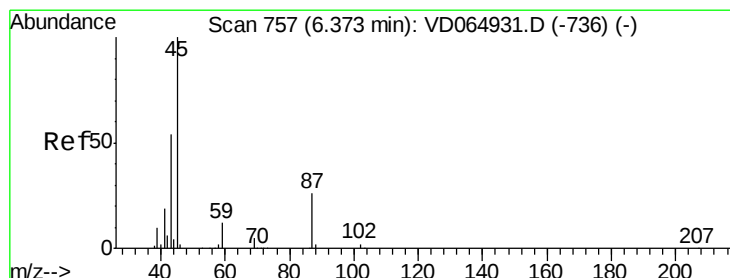
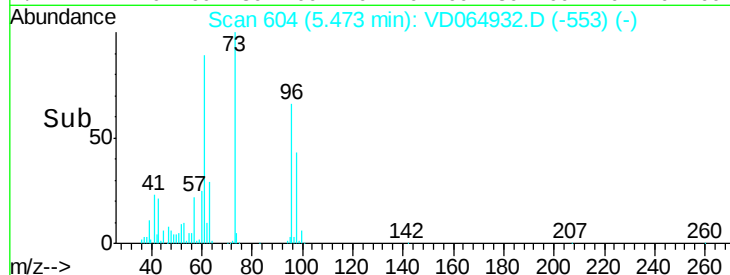
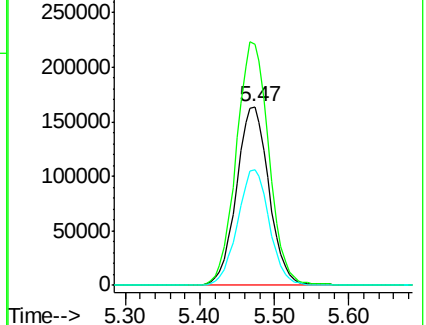
98 64.6 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 108.07 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion: 45 Resp: 1420029

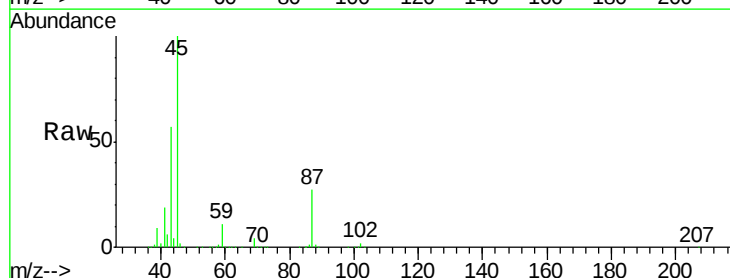
Ion Ratio Lower Upper

45 100

43 56.9 43.1 64.7

87 26.7 21.4 32.2

59 11.2 9.5 14.3

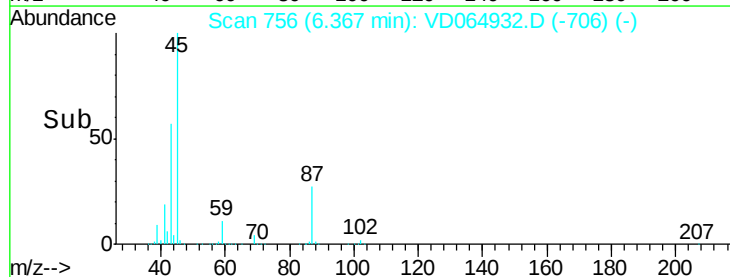
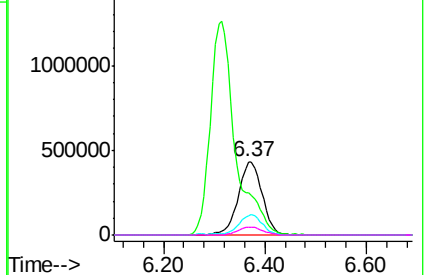


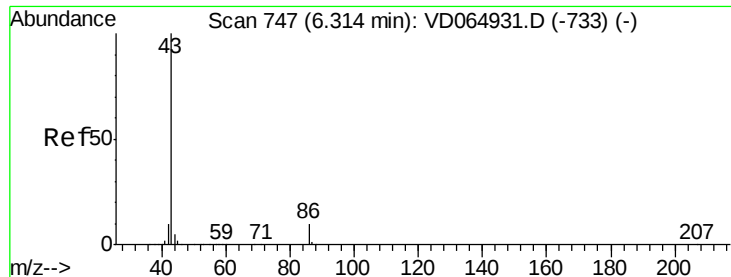
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 579.30 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

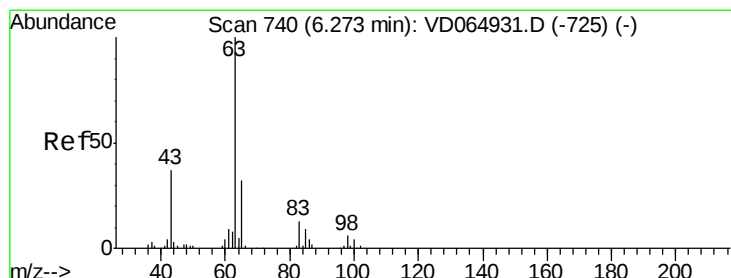
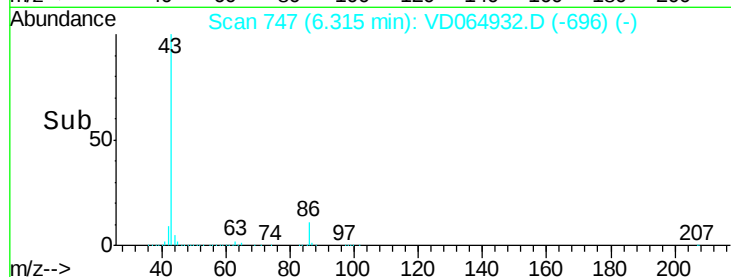
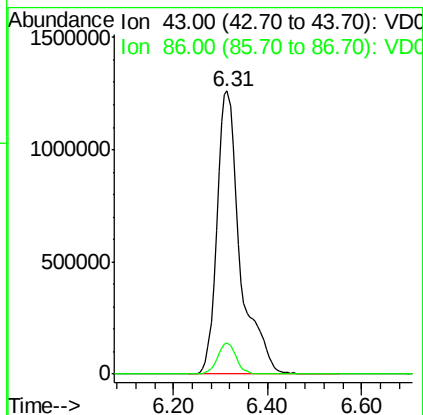
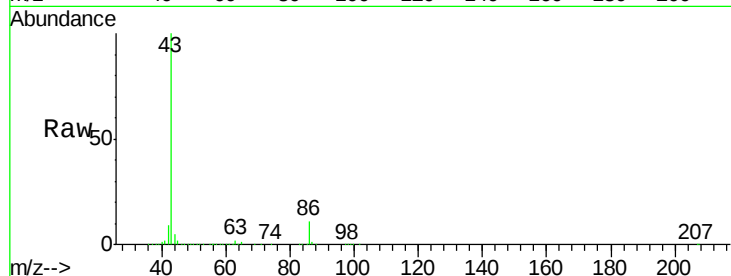
VSTDIC100

Tgt Ion: 43 Resp: 4330481

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 104.52 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

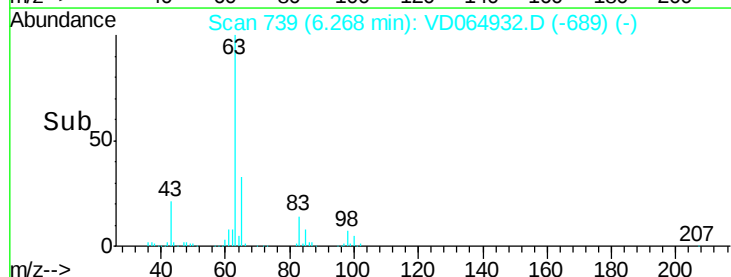
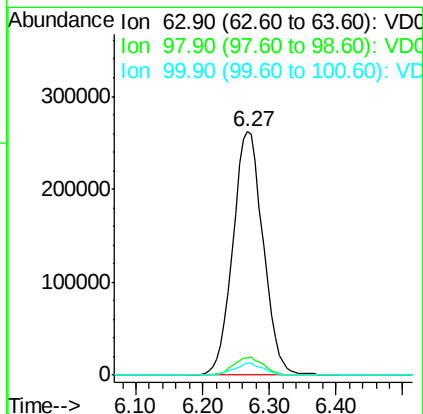
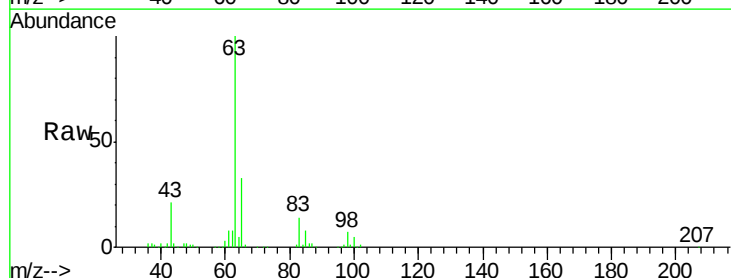
Tgt Ion: 63 Resp: 825680

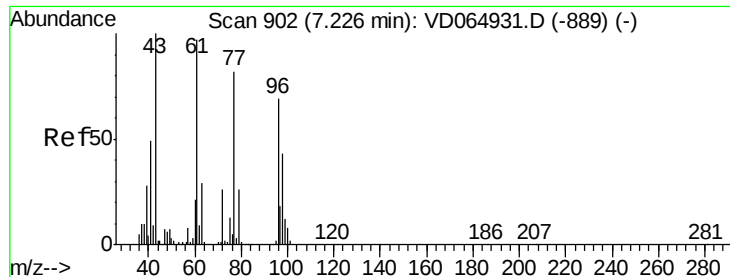
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 565.12 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

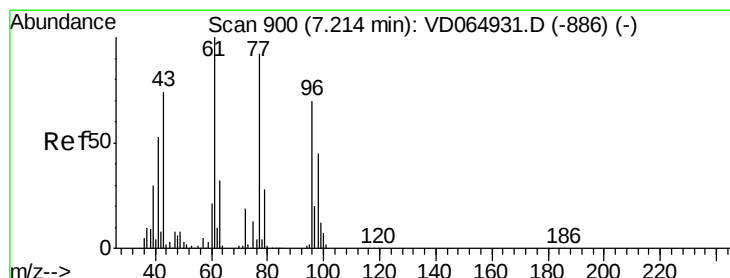
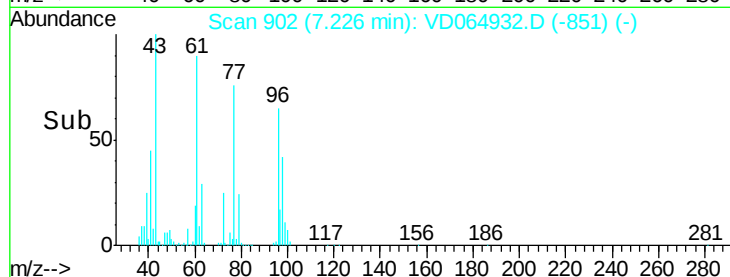
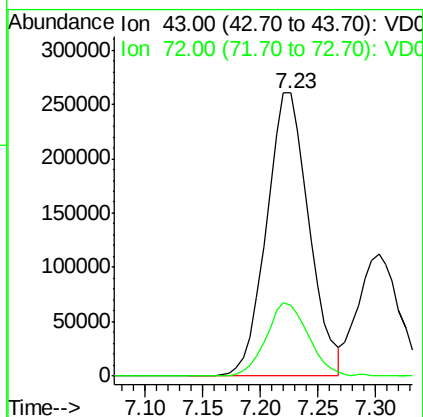
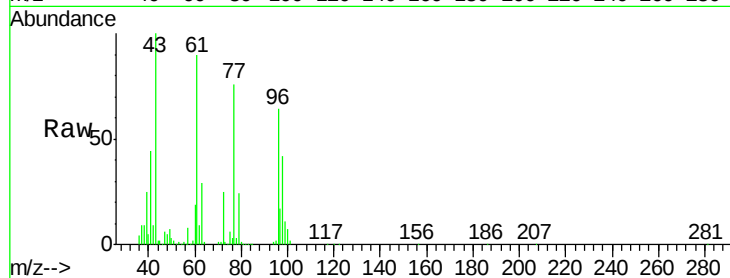
VSTDIC100

Tgt Ion: 43 Resp: 665776

Ion Ratio Lower Upper

43 100

72 25.3 20.6 31.0



#26

2,2-Dichloropropane

Concen: 103.20 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064932.D

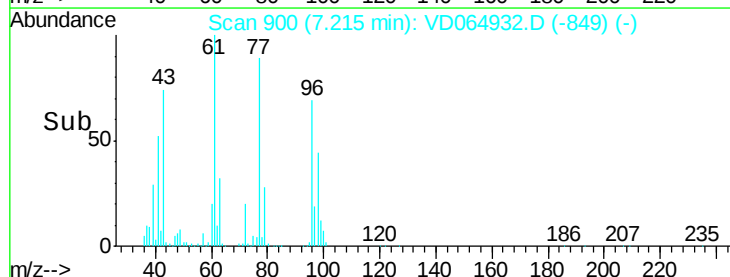
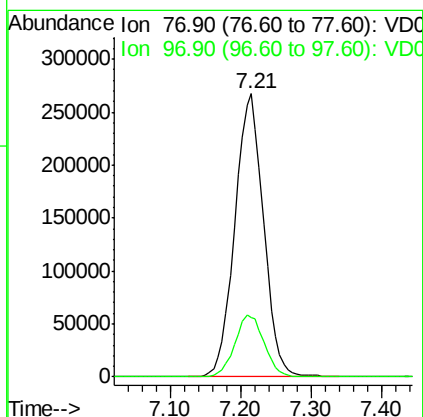
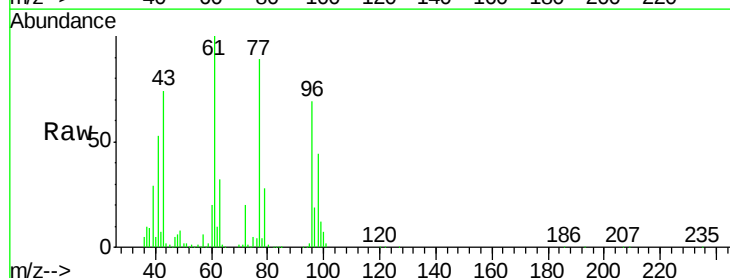
Acq: 23 Jan 2020 12:49

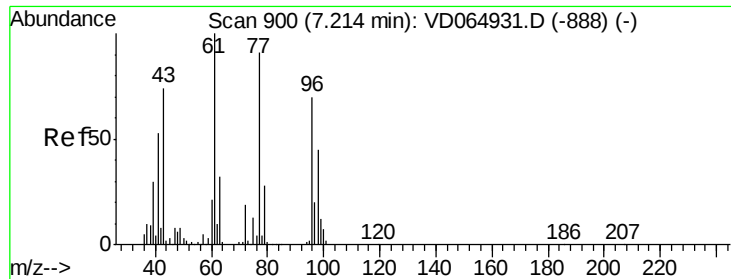
Tgt Ion: 77 Resp: 755157

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2

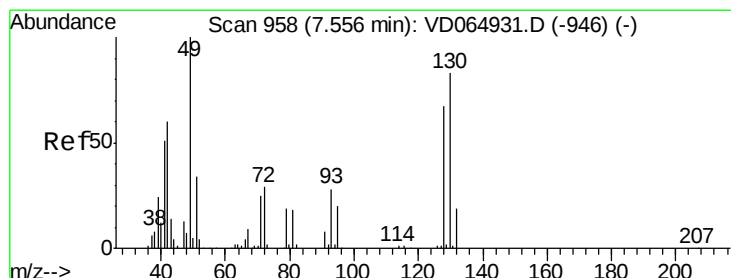
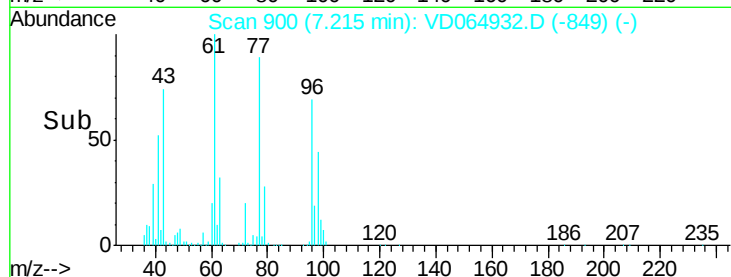
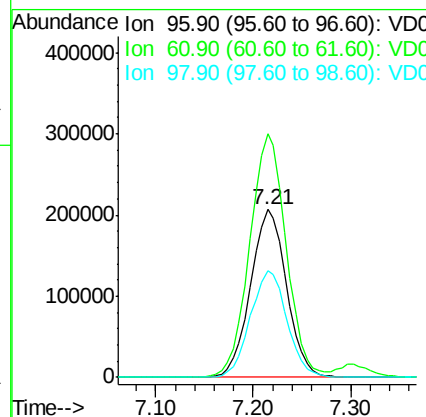
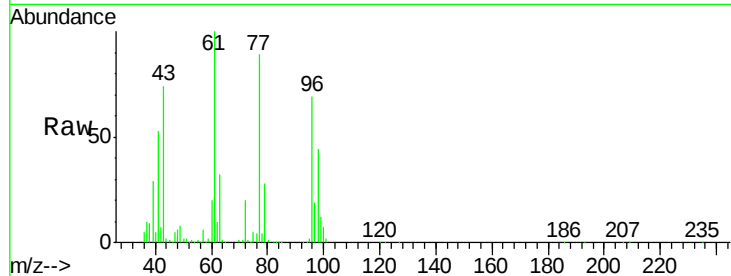




#27
 cis-1,2-Dichloroethene
 Concen: 103.26 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

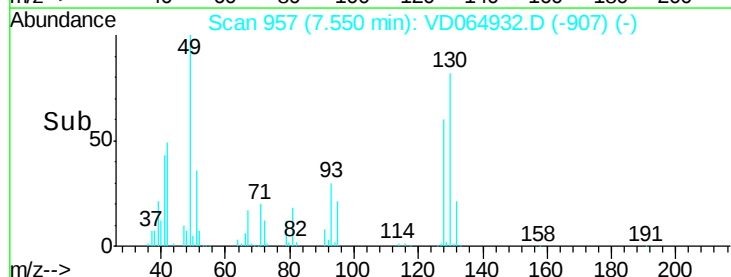
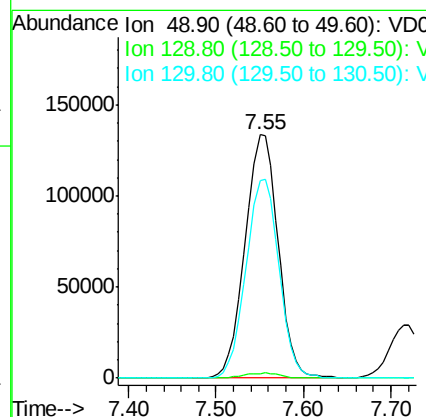
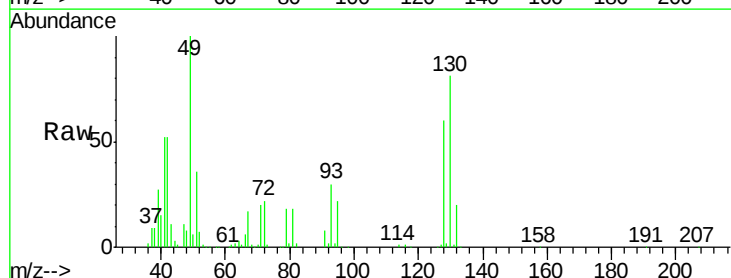
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

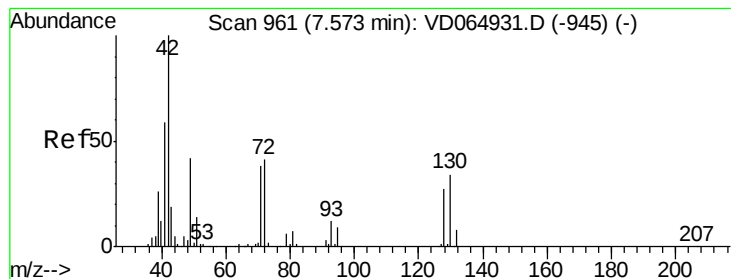
Tgt Ion: 96 Resp: 532562
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 292.8
 98 64.6 0.0 130.0



#28
 Bromochloromethane
 Concen: 110.00 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 49 Resp: 343110
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 81.4 63.8 95.8





#29

Tetrahydrofuran

Concen: 552.67 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

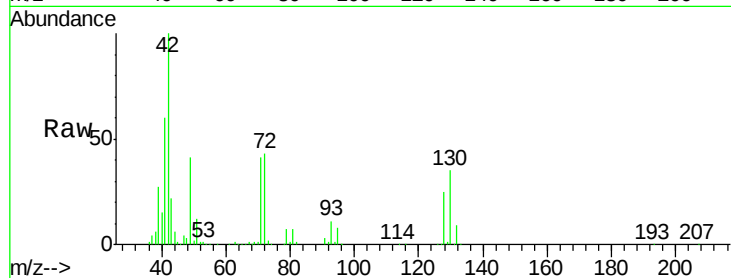
Tgt Ion: 42 Resp: 401876

Ion Ratio Lower Upper

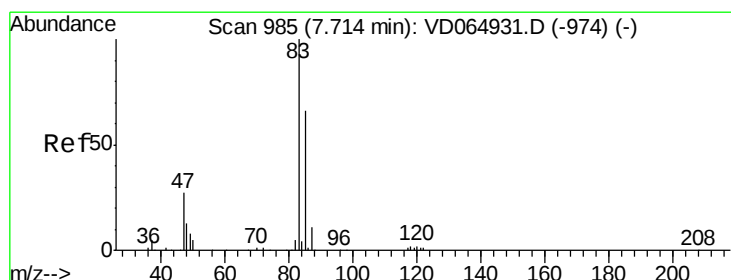
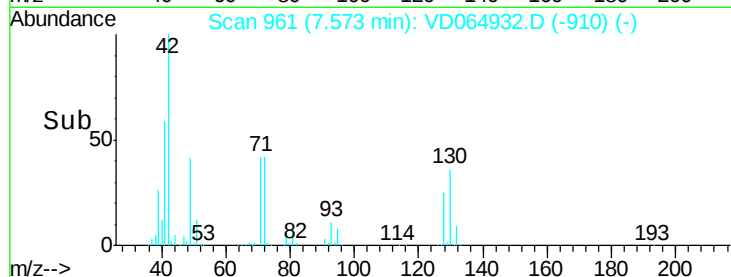
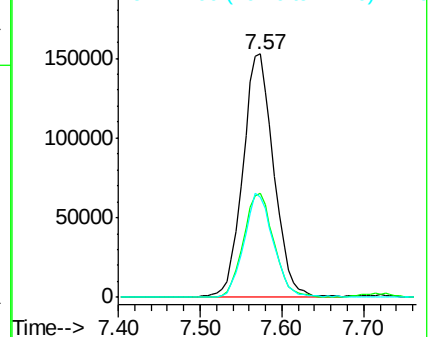
42 100

72 42.1 34.0 51.0

71 40.6 31.5 47.3



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: 103.02 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064932.D

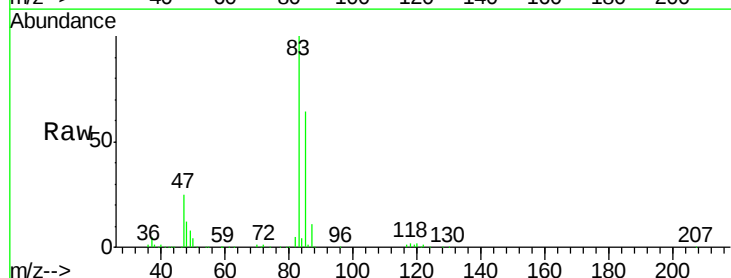
Acq: 23 Jan 2020 12:49

Tgt Ion: 83 Resp: 852133

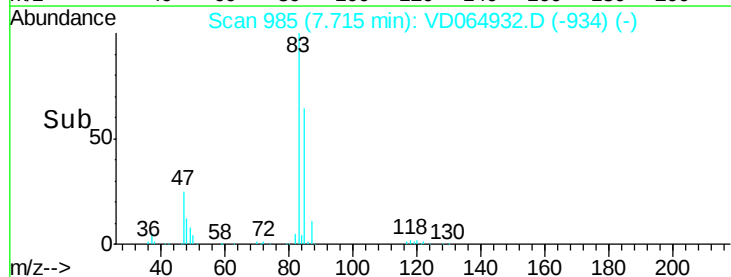
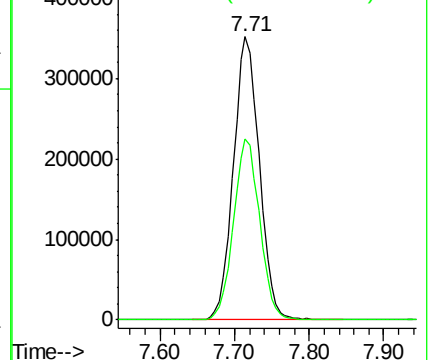
Ion Ratio Lower Upper

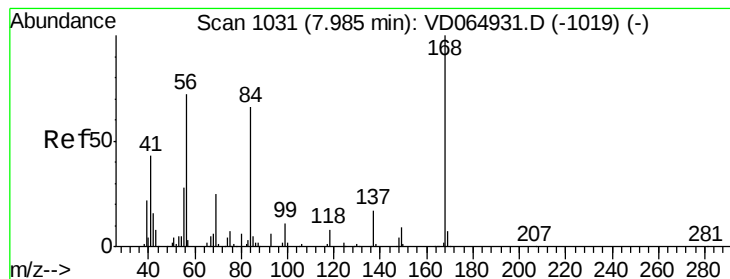
83 100

85 64.1 52.4 78.6



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





#31

Cyclohexane

Concen: 98.94 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

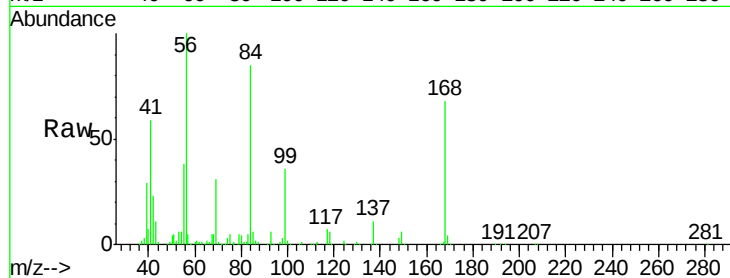
Tgt Ion: 56 Resp: 782596

Ion Ratio Lower Upper

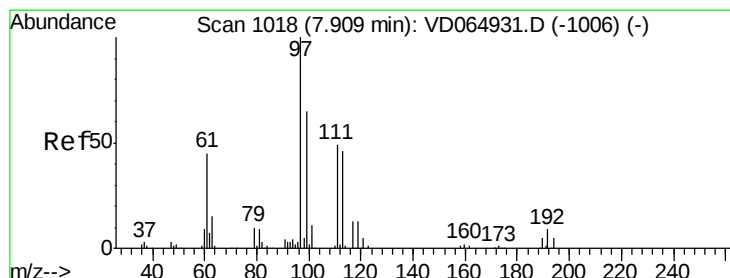
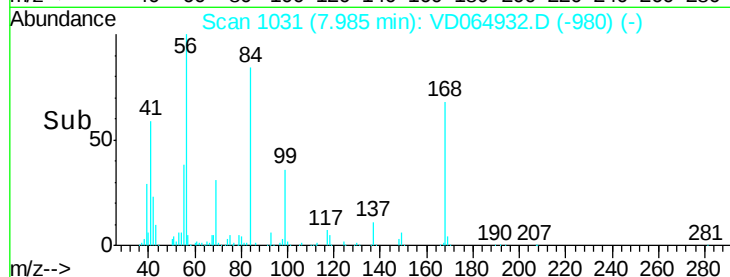
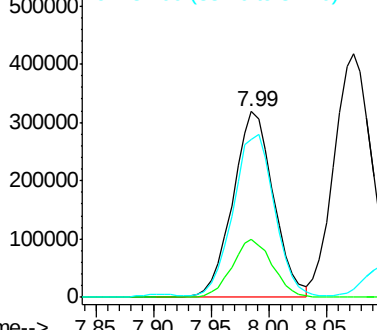
56 100

69 31.3 27.9 41.9

84 83.6 72.8 109.2



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



#32

1,1,1-Trichloroethane

Concen: 103.04 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

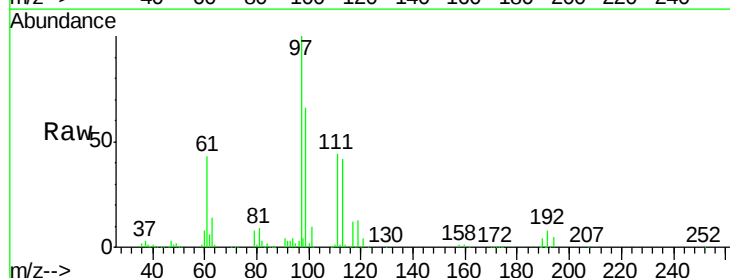
Tgt Ion: 97 Resp: 800223

Ion Ratio Lower Upper

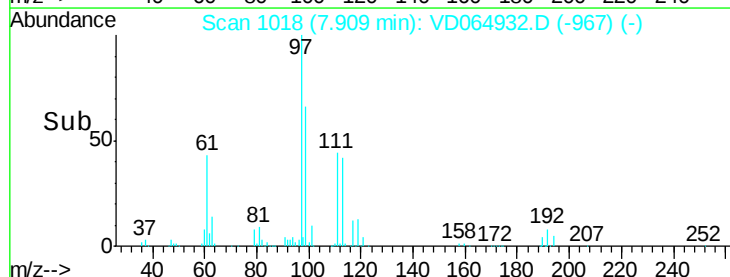
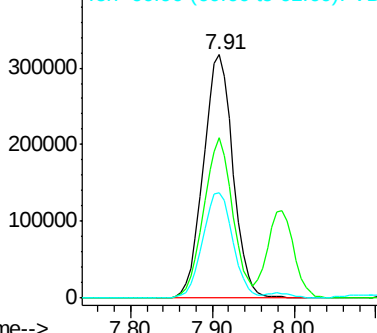
97 100

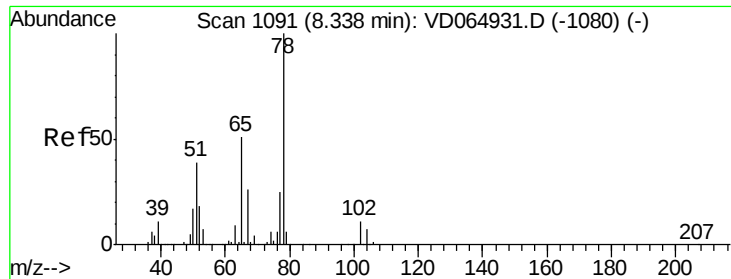
99 64.4 50.6 76.0

61 44.0 35.7 53.5



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

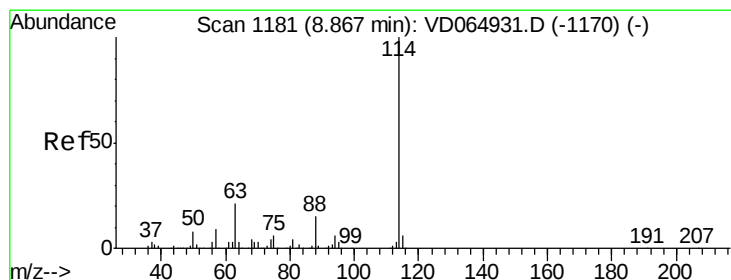
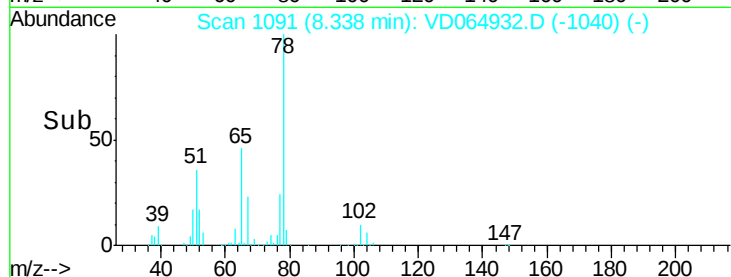
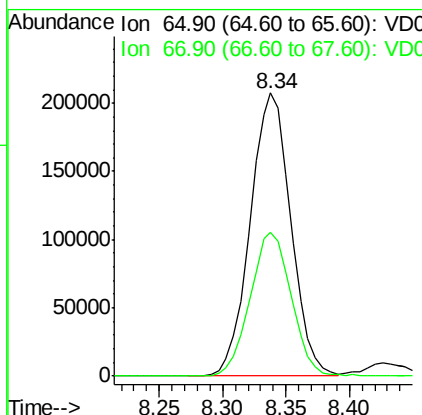
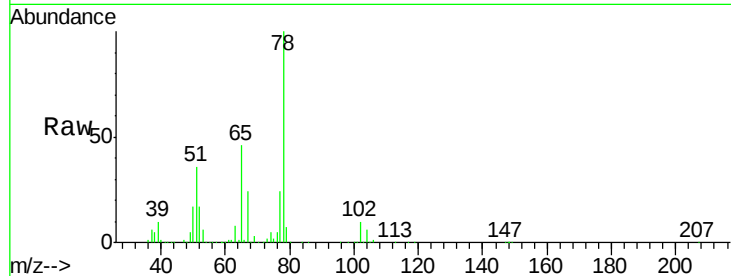




#33
 1,2-Dichloroethane-d4
 Concen: 107.01 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

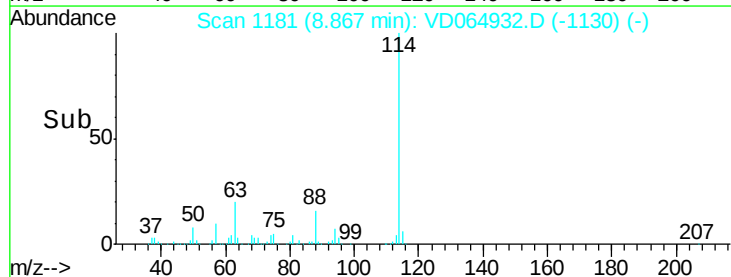
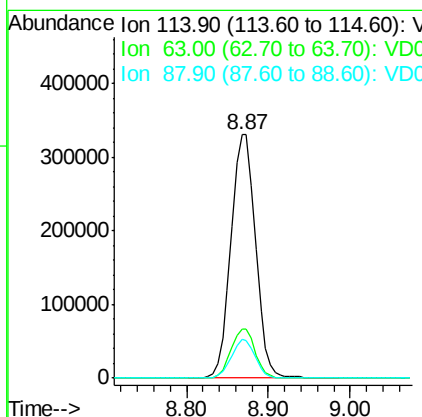
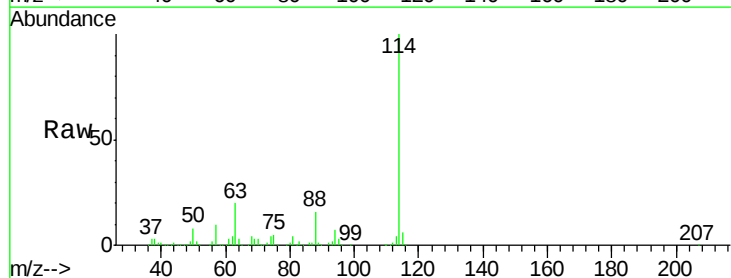
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 462008
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 114 Resp: 693947
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.0
 88 16.2 0.0 29.4

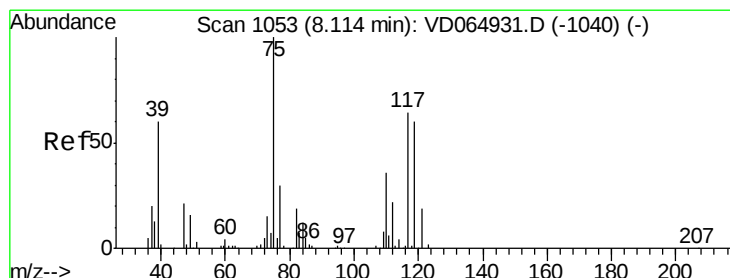
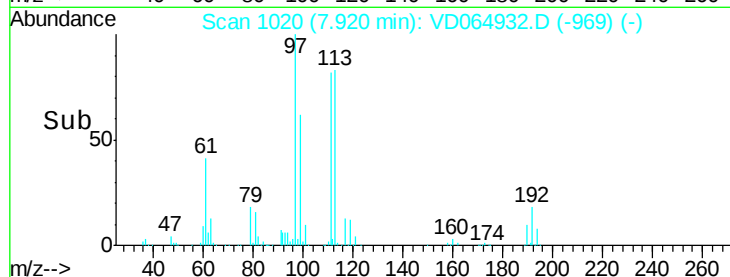
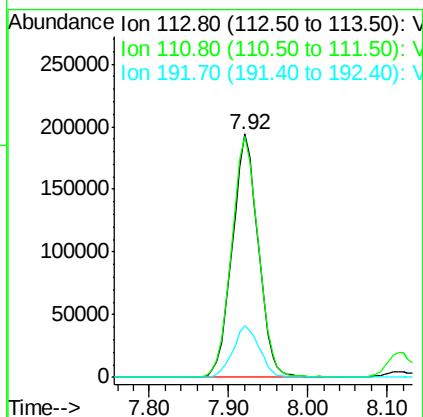
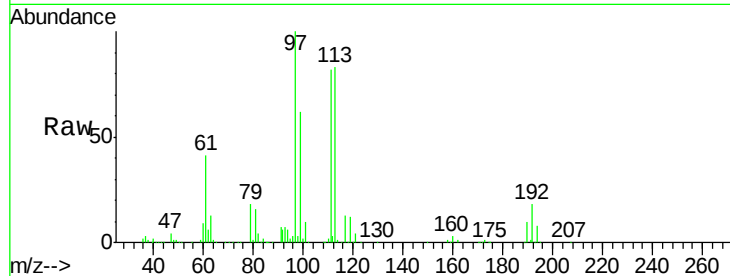




#35
 Dibromofluoromethane
 Concen: 102.62 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

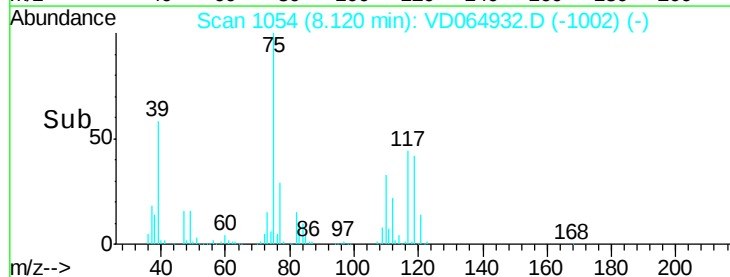
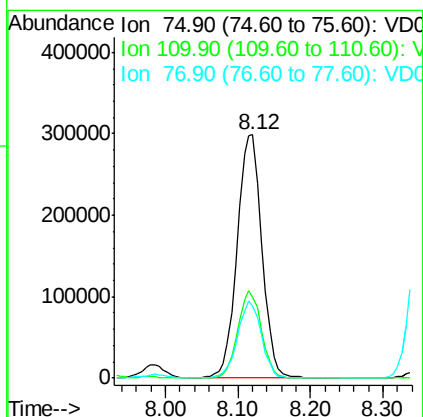
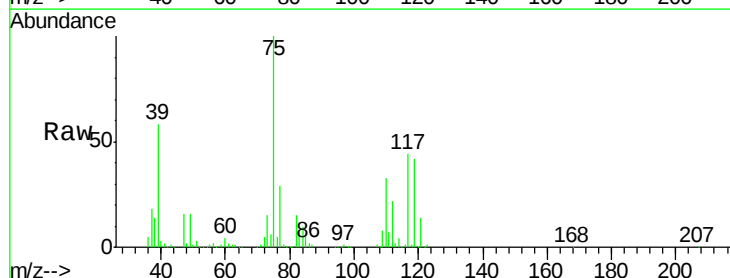
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

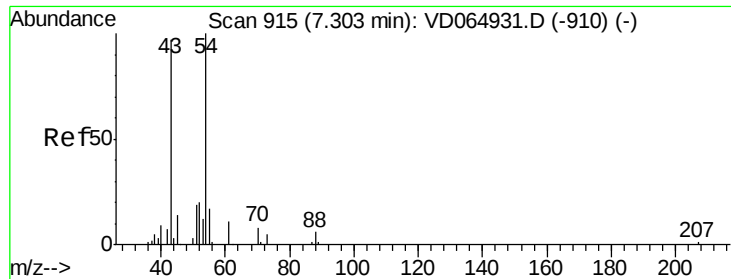
Tgt Ion: 113 Resp: 439954
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 21.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 105.70 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 75 Resp: 706152
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.3 52.0
 77 30.3 24.7 37.1

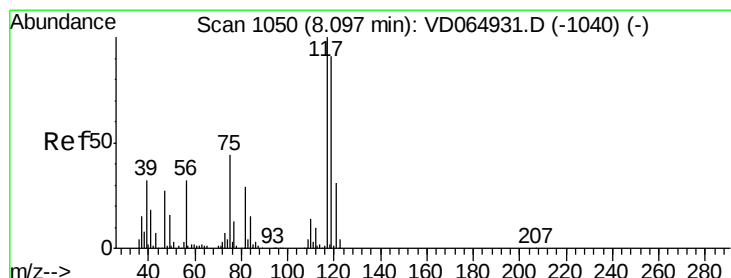
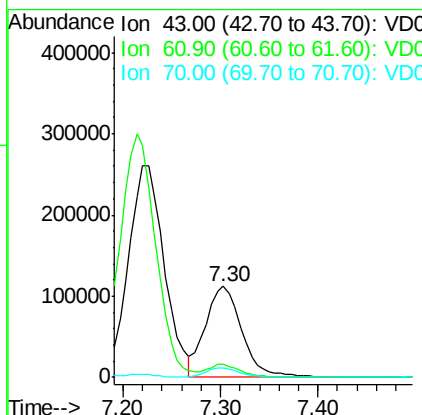
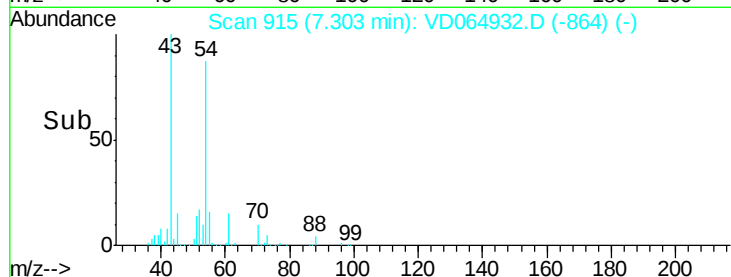
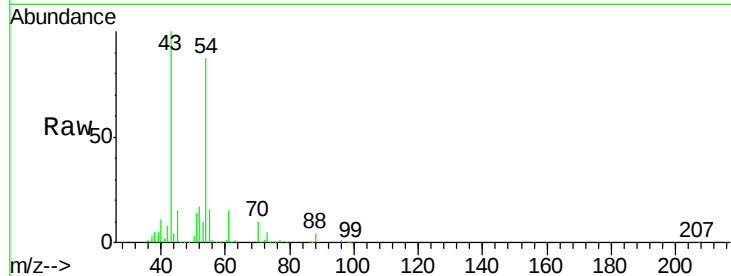




#37
Ethyl Acetate
Concen: 110.34 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

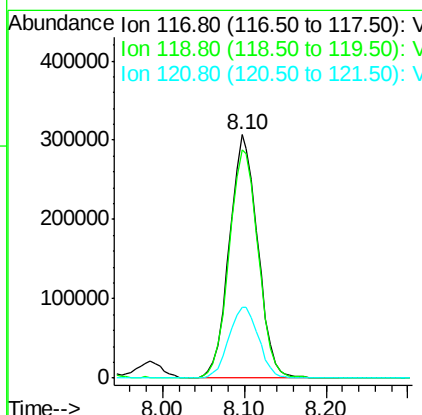
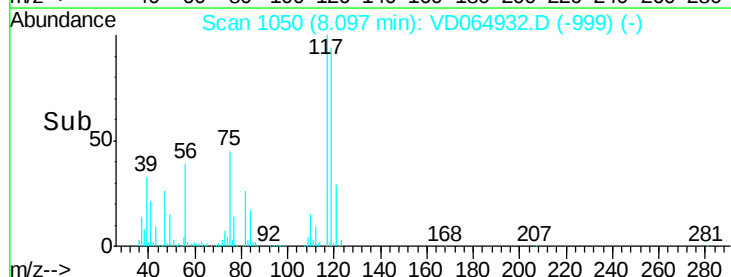
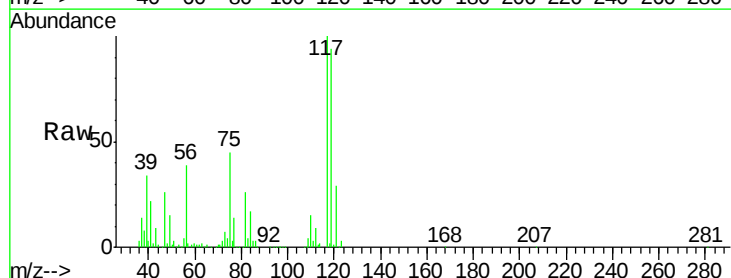
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

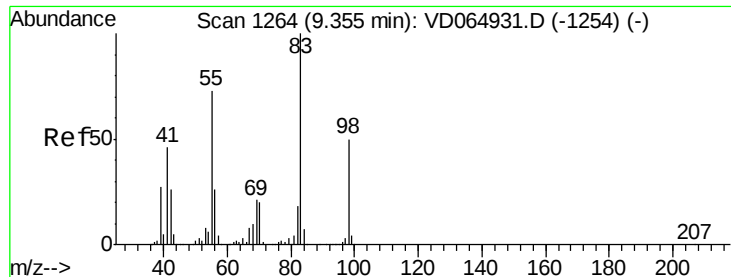
Tgt Ion: 43 Resp: 287547
Ion Ratio Lower Upper
43 100
61 12.7 11.0 16.4
70 9.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 103.88 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 117 Resp: 737781
Ion Ratio Lower Upper
117 100
119 93.7 73.2 109.8
121 29.1 24.4 36.6

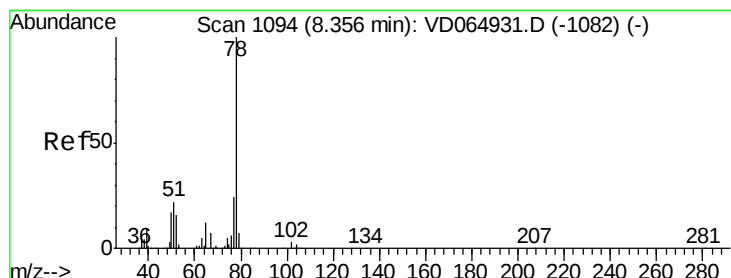
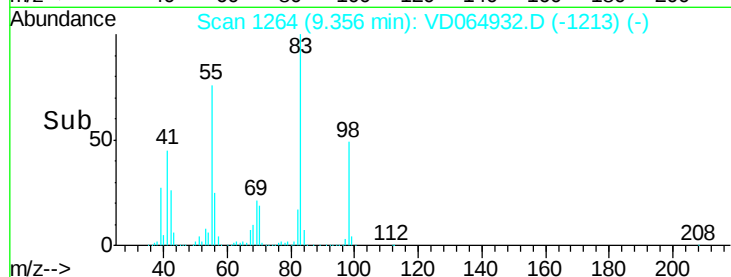
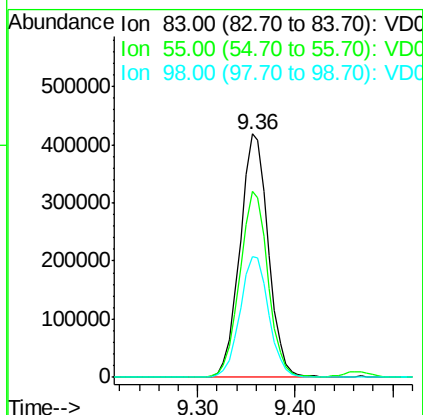
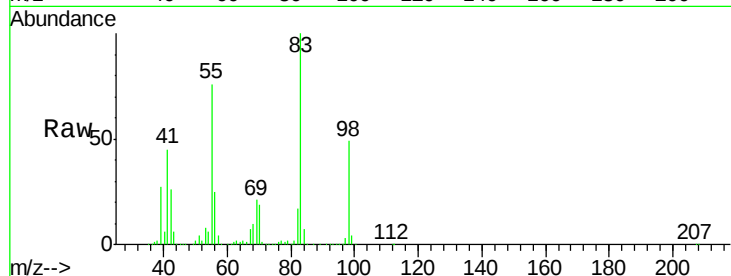




#39
Methylcyclohexane
Concen: 105.59 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

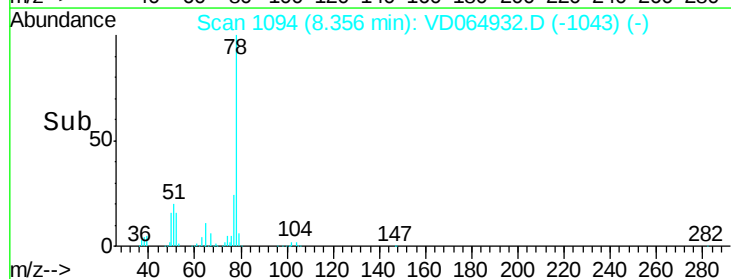
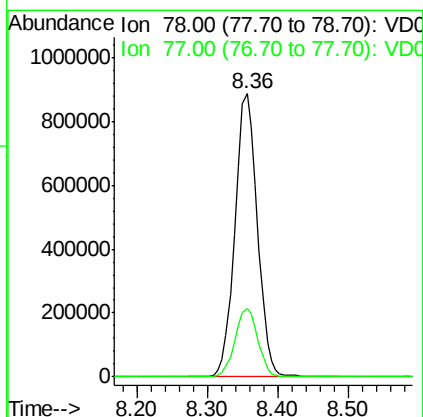
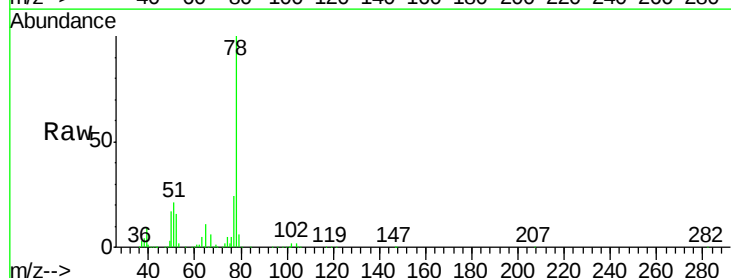
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

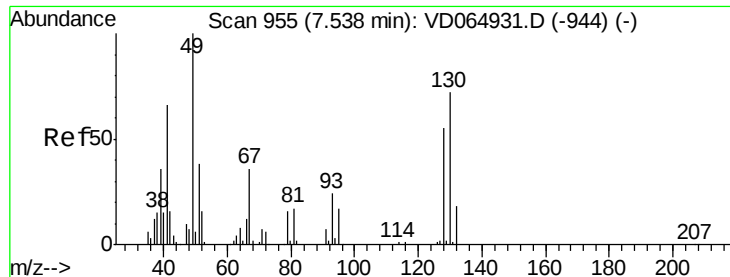
Tgt Ion: 83 Resp: 849873
Ion Ratio Lower Upper
83 100
55 76.2 58.7 88.1
98 49.5 40.2 60.2



#40
Benzene
Concen: 107.22 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 78 Resp: 1956813
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8





#41

Methacrylonitrile

Concen: 87.93 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 134276

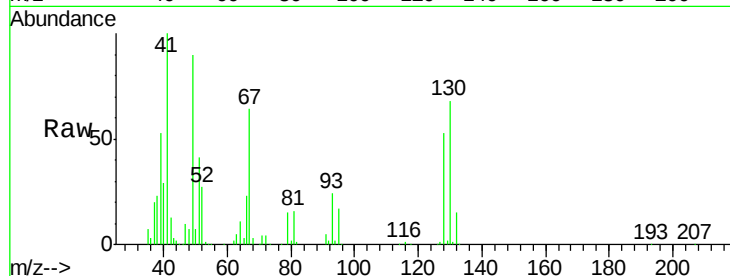
Ion Ratio Lower Upper

41 100

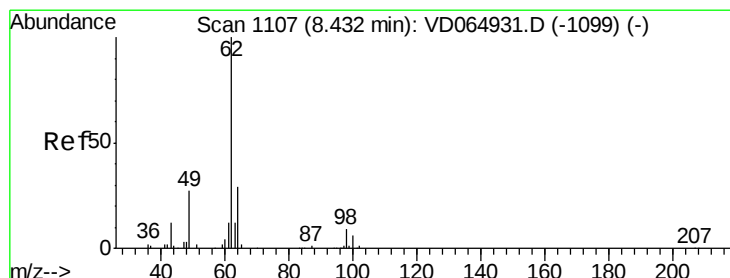
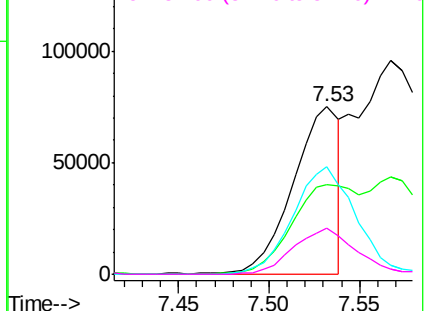
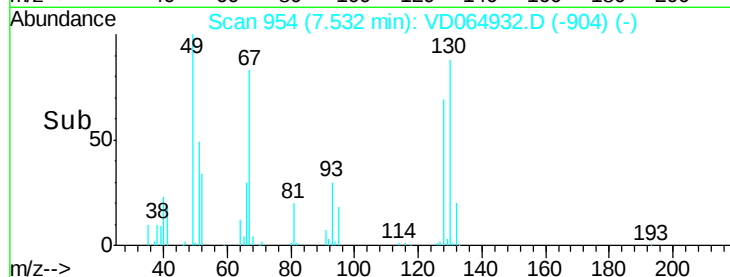
39 76.4 49.3 73.9#

67 87.0 51.0 76.6#

52 37.6 22.3 33.5#



Abundance Ion 41.00 (40.70 to 41.70): VDC
 150000 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: 105.87 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064932.D

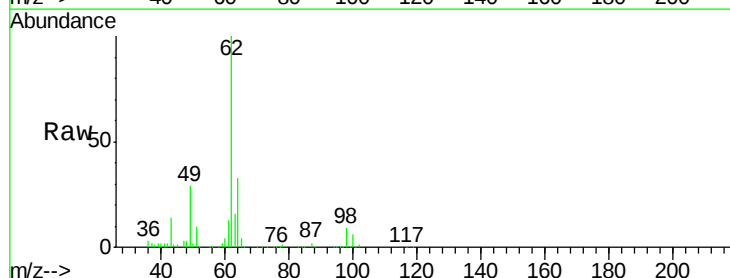
Acq: 23 Jan 2020 12:49

Tgt Ion: 62 Resp: 560620

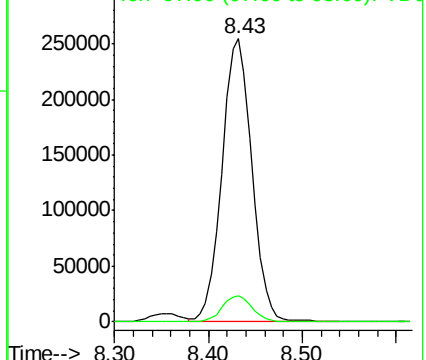
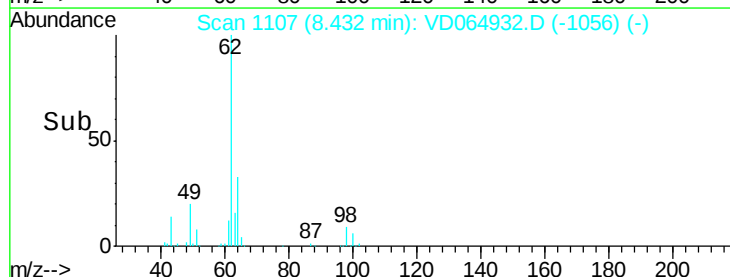
Ion Ratio Lower Upper

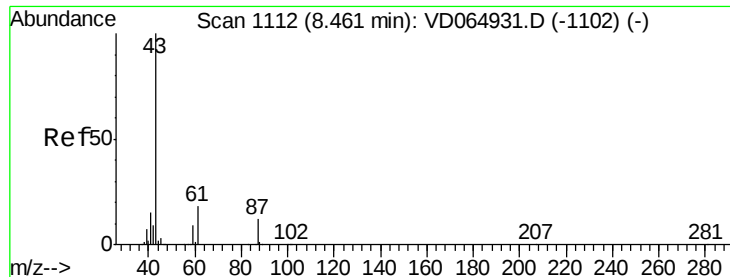
62 100

98 9.3 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
 300000 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 108.27 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

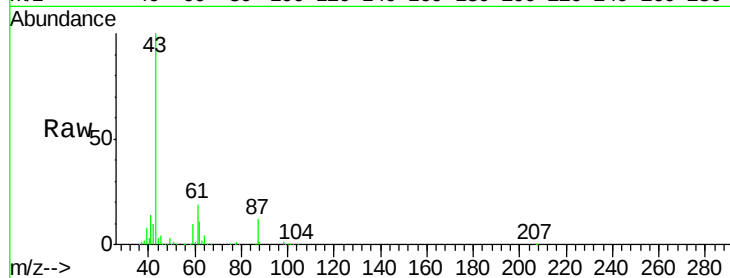
Tgt Ion: 43 Resp: 562209

Ion Ratio Lower Upper

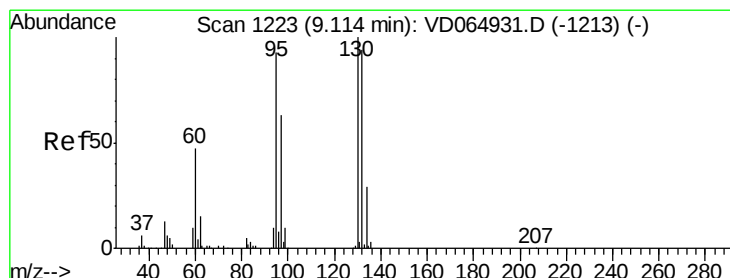
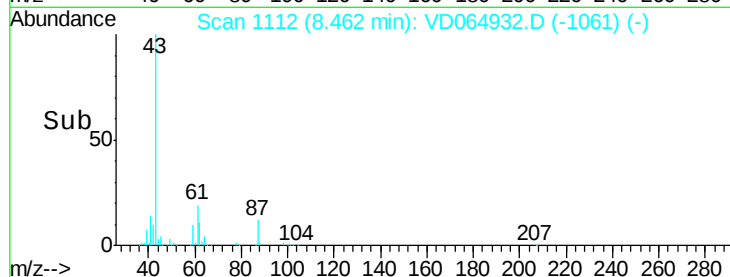
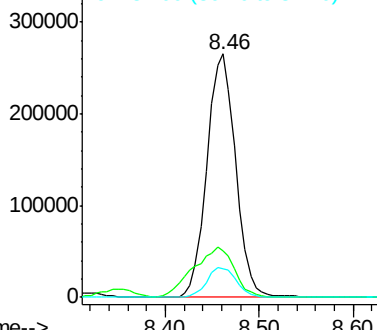
43 100

61 29.3 23.8 35.6

87 12.7 10.3 15.5



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: 101.73 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064932.D

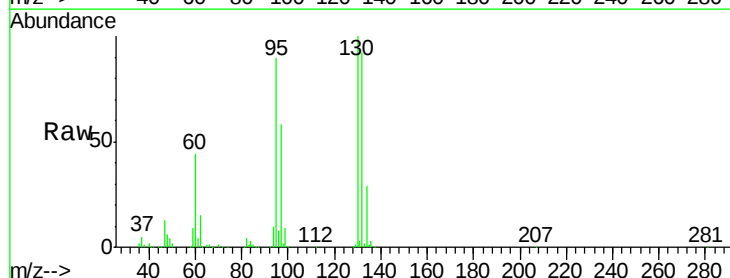
Acq: 23 Jan 2020 12:49

Tgt Ion: 130 Resp: 539816

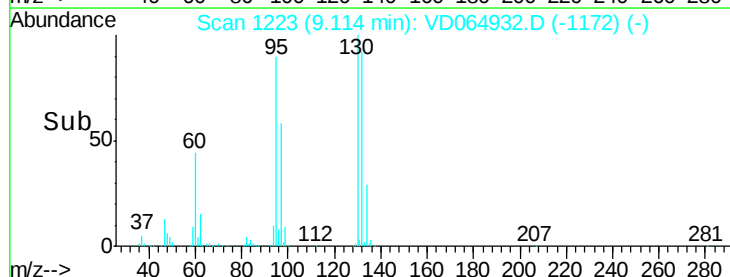
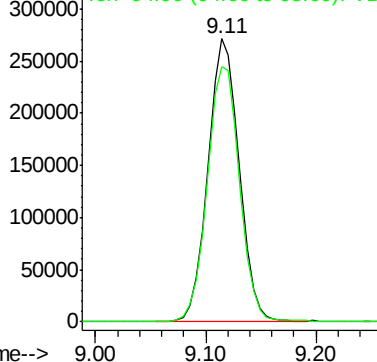
Ion Ratio Lower Upper

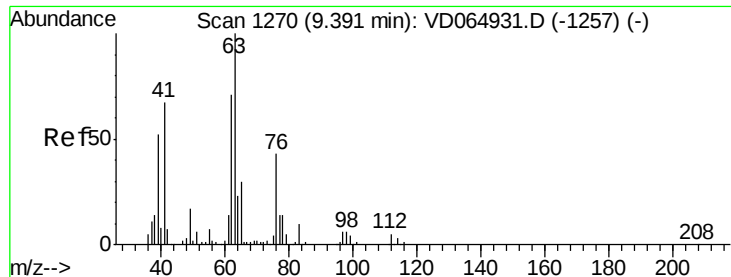
130 100

95 90.3 0.0 185.8



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





#45

1,2-Dichloropropane

Concen: 105.70 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

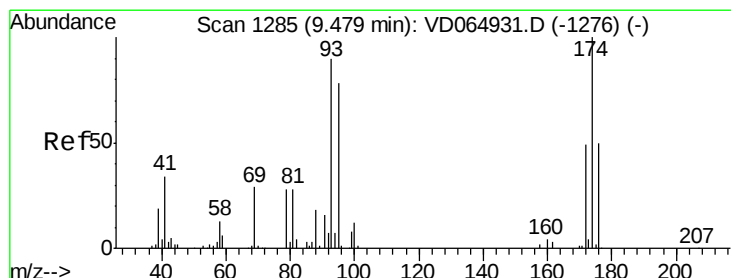
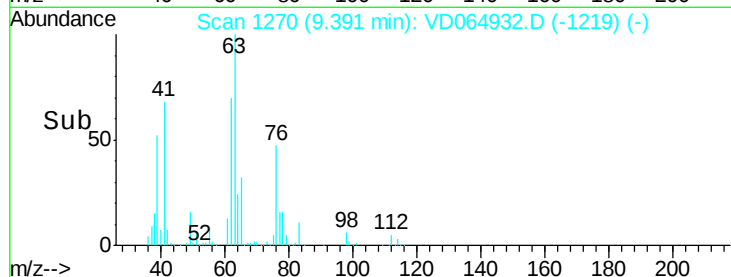
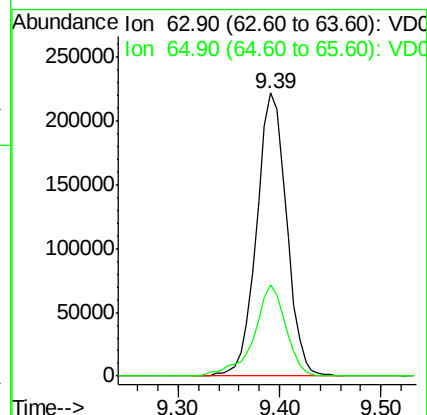
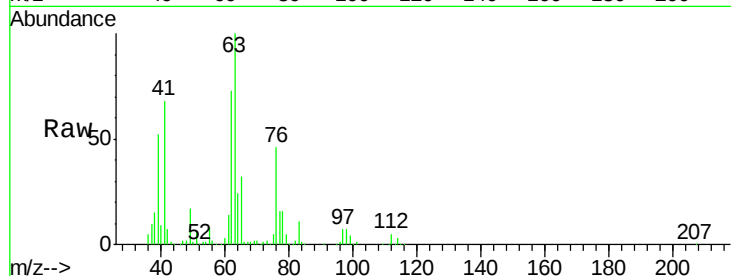
VSTDIC100

Tgt Ion: 63 Resp: 459759

Ion Ratio Lower Upper

63 100

65 32.2 24.3 36.5



#46

Dibromomethane

Concen: 103.58 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

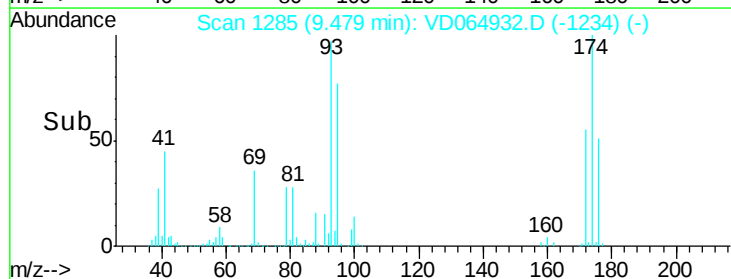
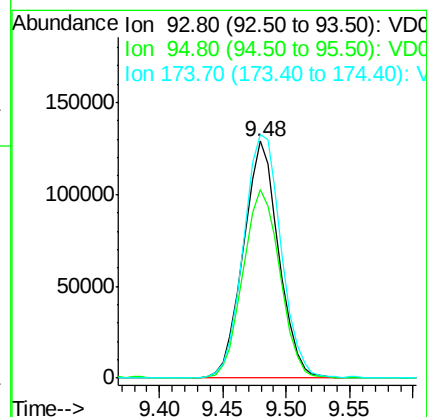
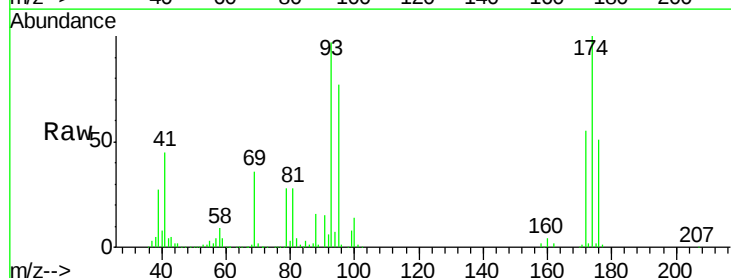
Tgt Ion: 93 Resp: 249219

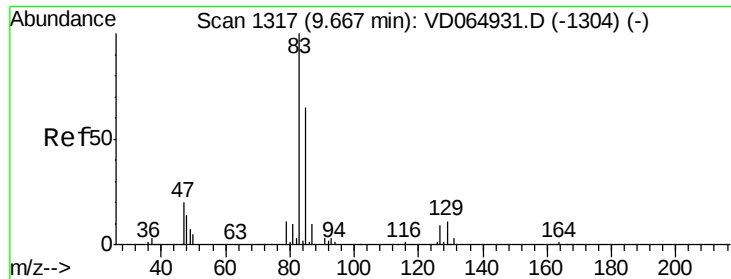
Ion Ratio Lower Upper

93 100

95 83.5 67.5 101.3

174 109.9 88.4 132.6

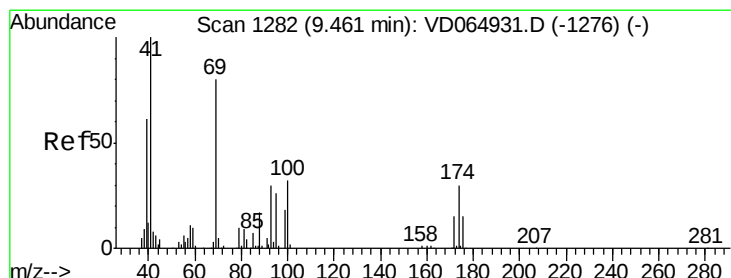
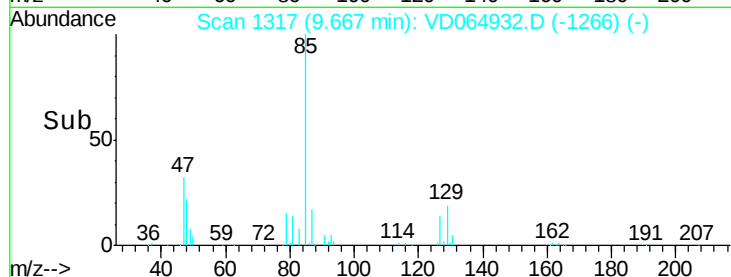
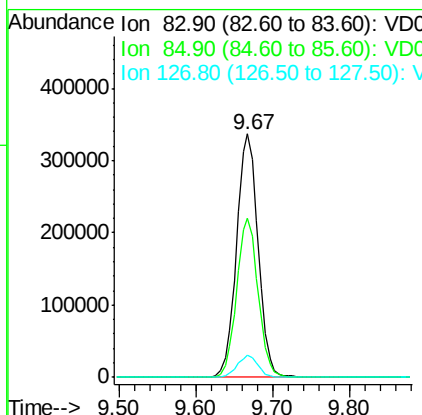
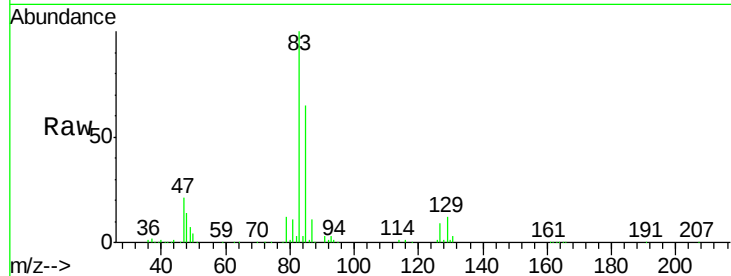




#47
Bromodichloromethane
Concen: 102.91 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

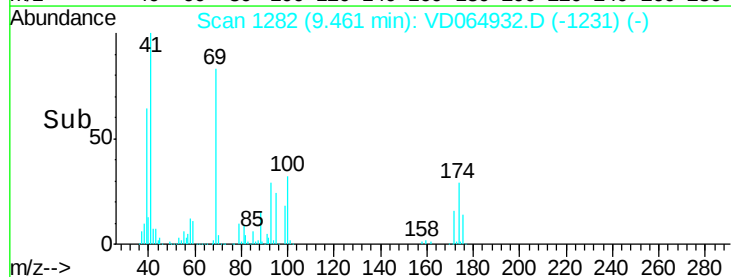
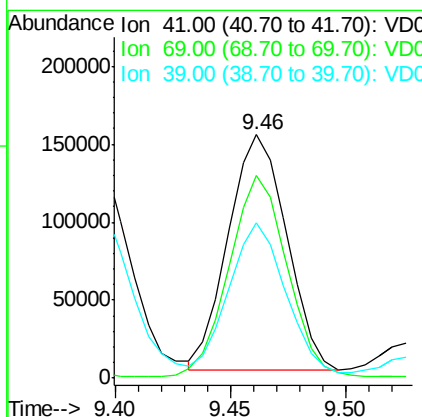
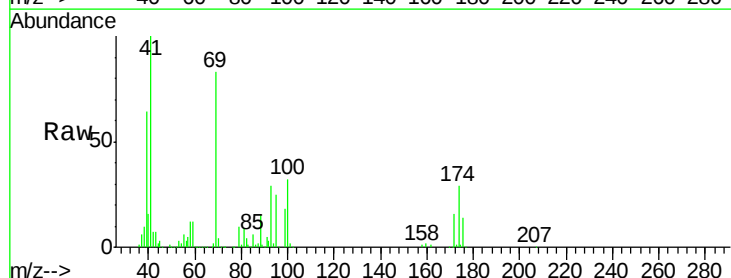
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

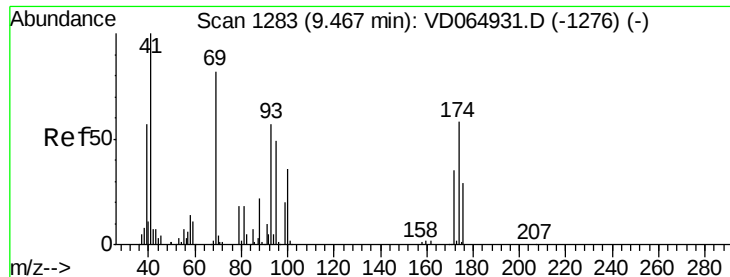
Tgt Ion: 83 Resp: 659958
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0
127 9.0 7.3 10.9



#48
Methyl methacrylate
Concen: 108.51 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 41 Resp: 263647
Ion Ratio Lower Upper
41 100
69 87.0 65.8 98.8
39 61.5 49.4 74.0





#49

1,4-Dioxane

Concen: 2099.55 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

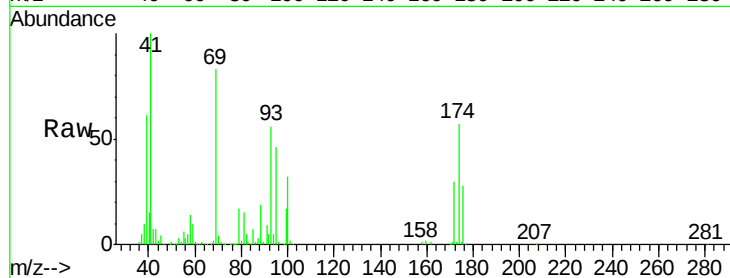
Tgt Ion: 88 Resp: 59172

Ion Ratio Lower Upper

88 100

43 35.6 26.2 39.4

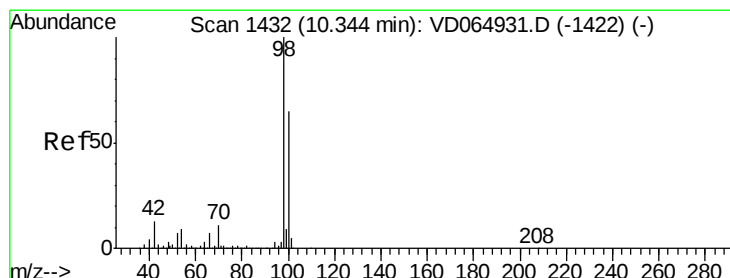
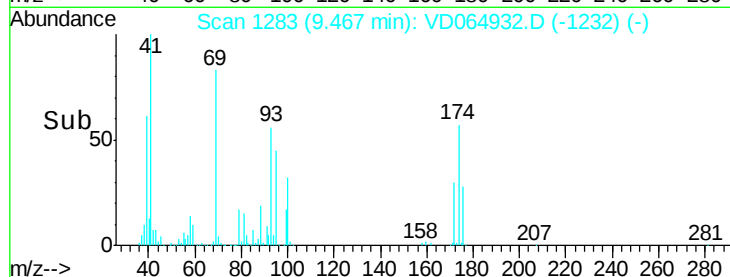
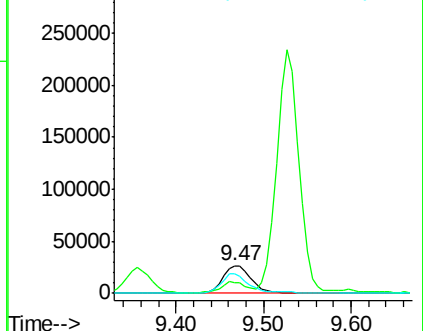
58 71.4 50.3 75.5



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: 107.68 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064932.D

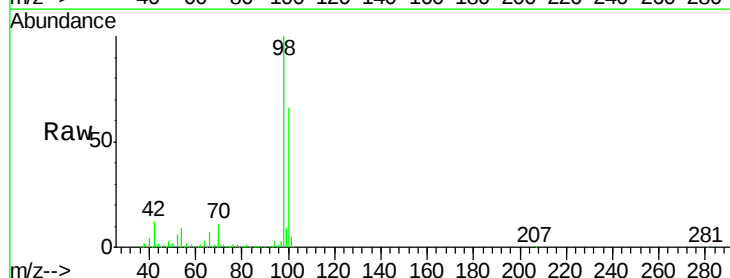
Acq: 23 Jan 2020 12:49

Tgt Ion: 98 Resp: 1778983

Ion Ratio Lower Upper

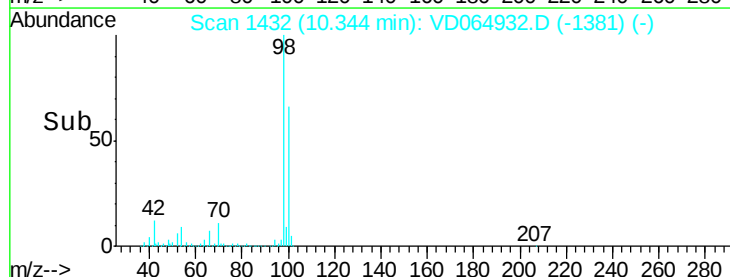
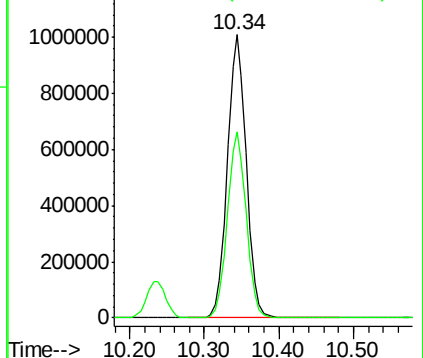
98 100

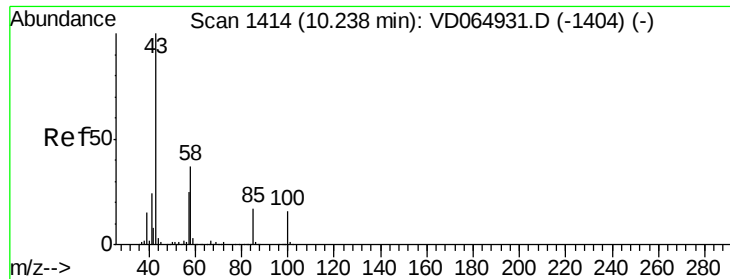
100 65.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

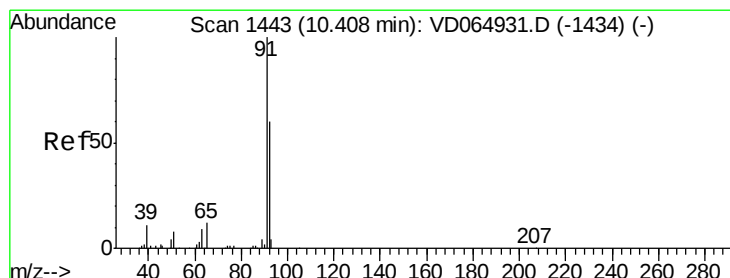
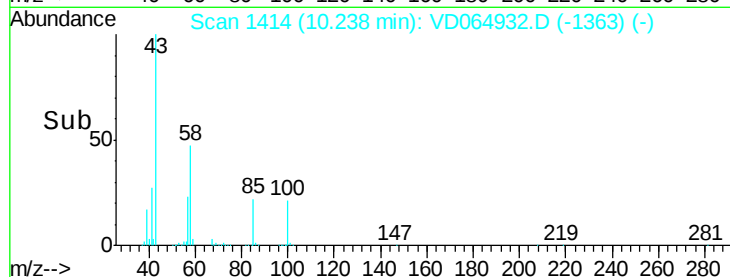
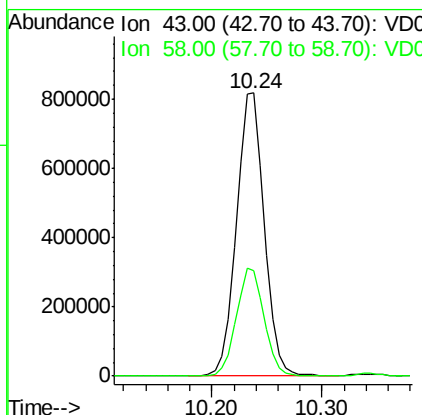
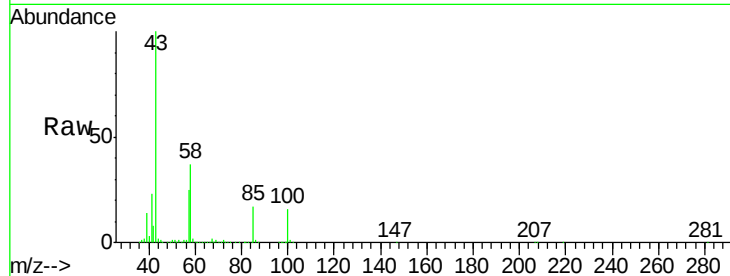




#51
 4-Methyl-2-Pentanone
 Concen: 562.28 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

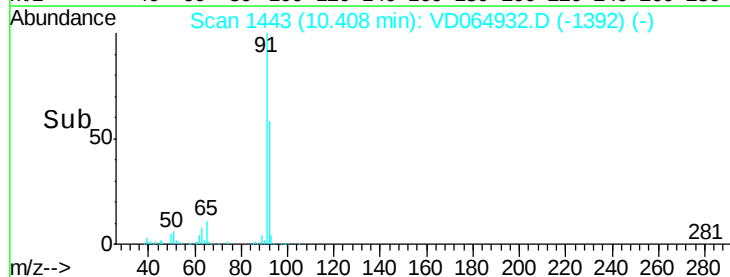
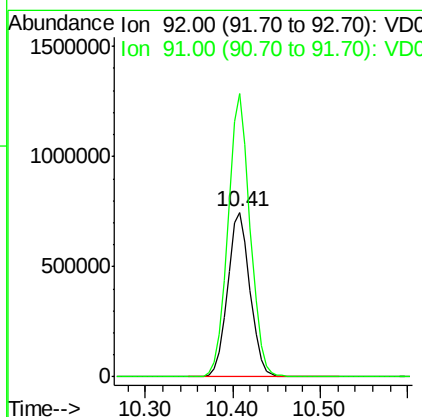
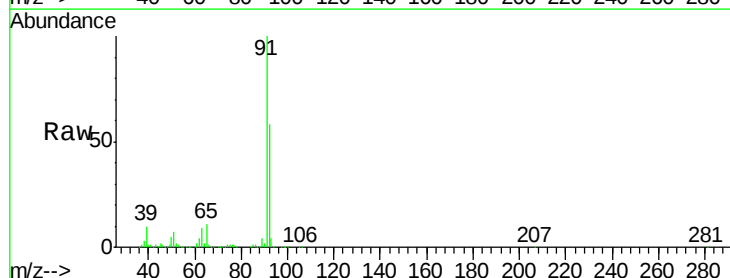
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

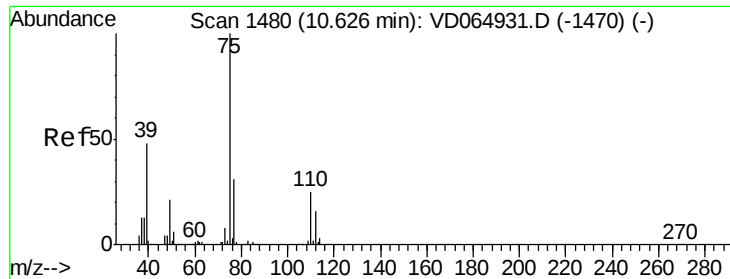
Tgt Ion: 43 Resp: 1453202
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6



#52
 Toluene
 Concen: 109.32 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 92 Resp: 1303597
 Ion Ratio Lower Upper
 92 100
 91 170.3 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 109.46 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

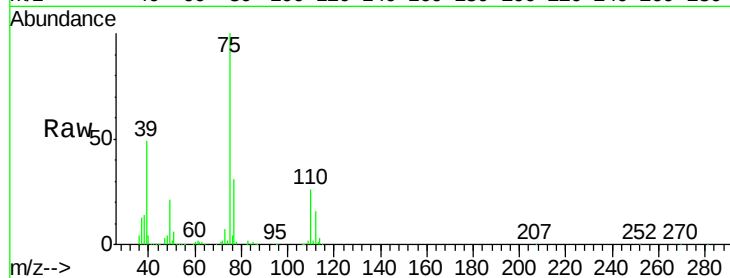
VSTDIC100

Tgt Ion: 75 Resp: 658107

Ion Ratio Lower Upper

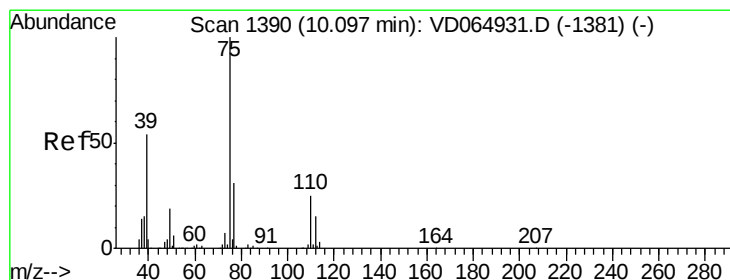
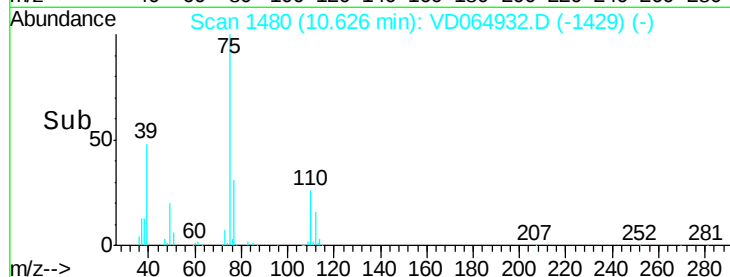
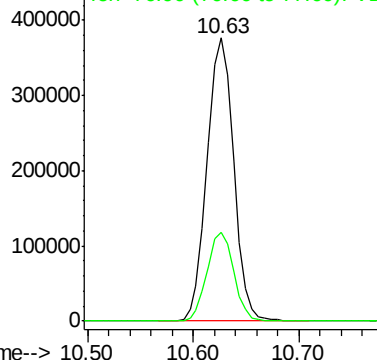
75 100

77 31.3 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 107.88 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

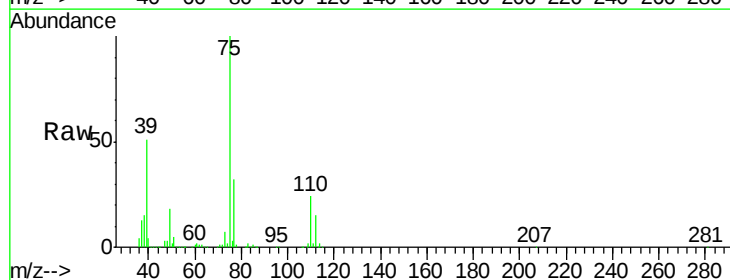
Tgt Ion: 75 Resp: 762675

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

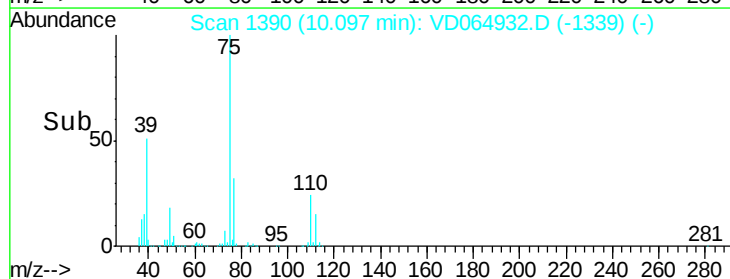
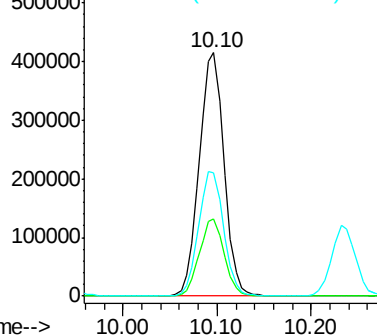
39 50.5 43.0 64.6

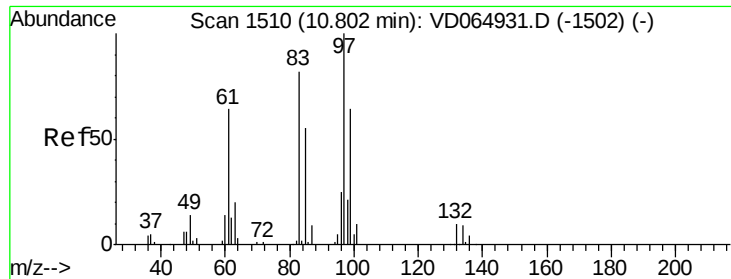


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 103.77 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 338608

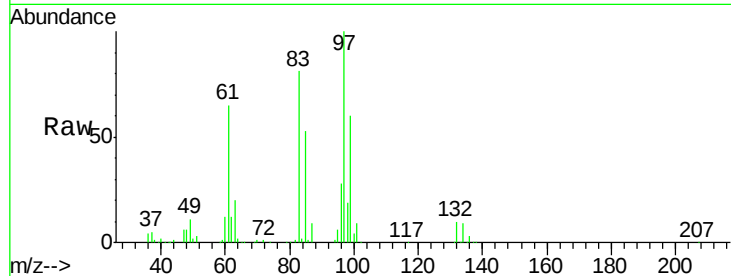
Ion Ratio Lower Upper

97 100

83 80.8 66.0 99.0

85 53.2 44.4 66.6

99 60.3 51.4 77.0

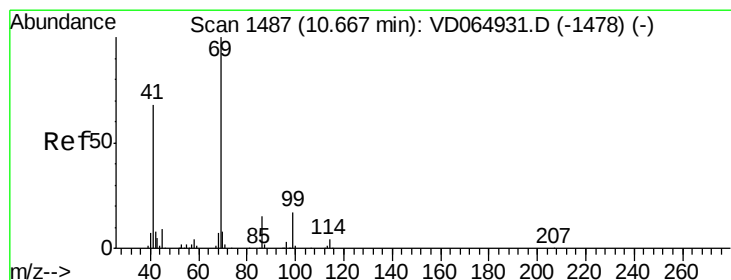
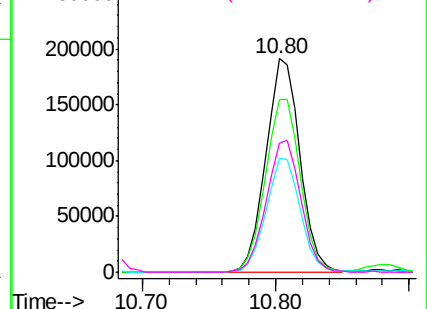
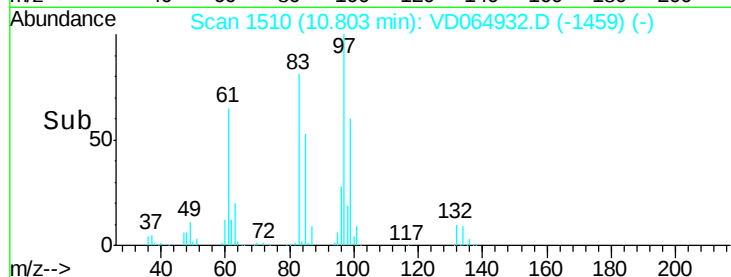


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 112.71 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

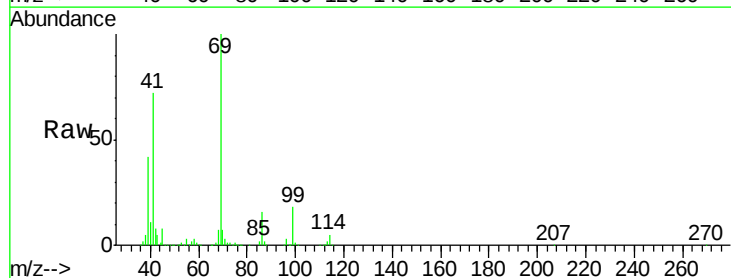
Tgt Ion: 69 Resp: 458196

Ion Ratio Lower Upper

69 100

41 69.4 56.4 84.6

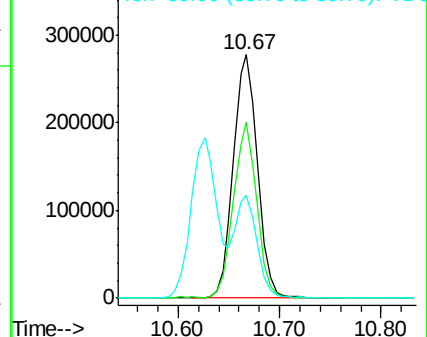
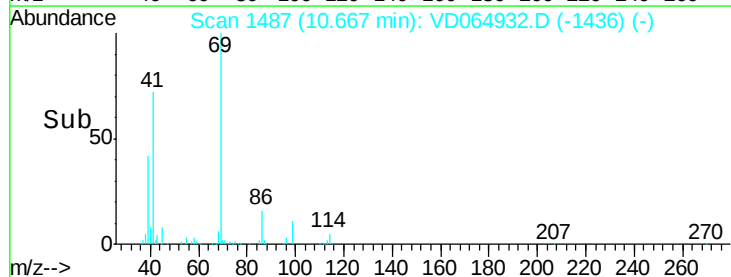
39 37.9 30.6 46.0

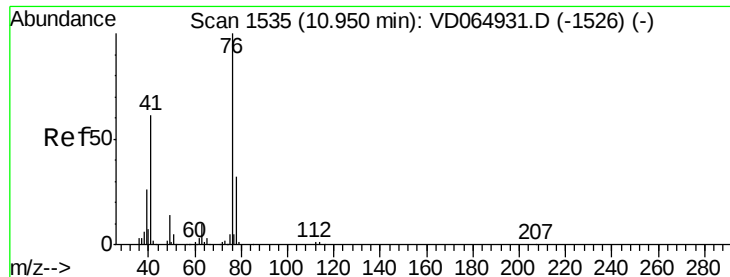


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 104.61 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

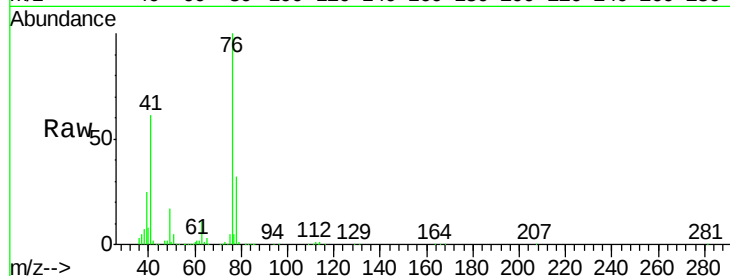
VSTDIC100

Tgt Ion: 76 Resp: 588099

Ion Ratio Lower Upper

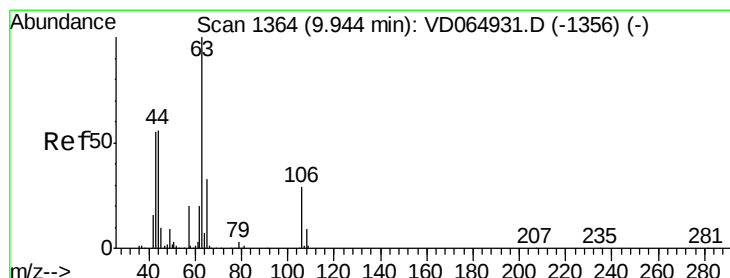
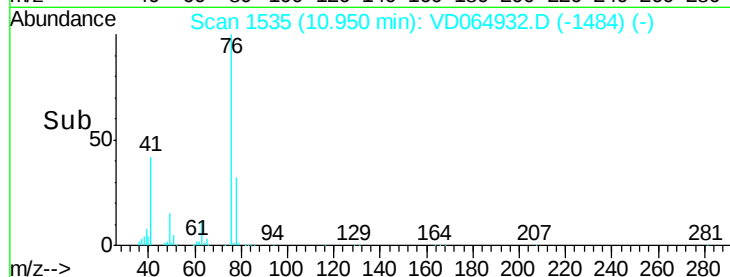
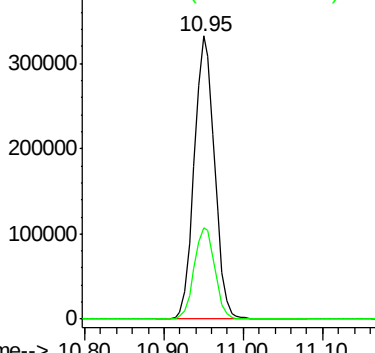
76 100

78 32.8 25.7 38.5



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: 418.31 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064932.D

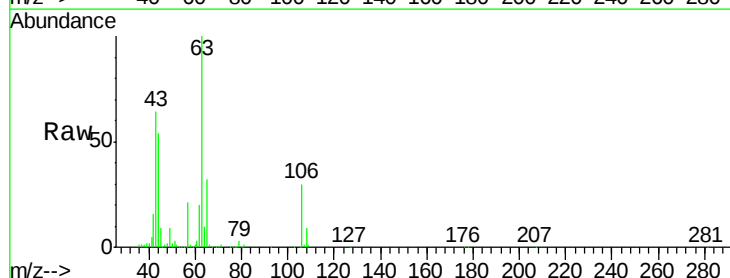
Acq: 23 Jan 2020 12:49

Tgt Ion: 63 Resp: 630066

Ion Ratio Lower Upper

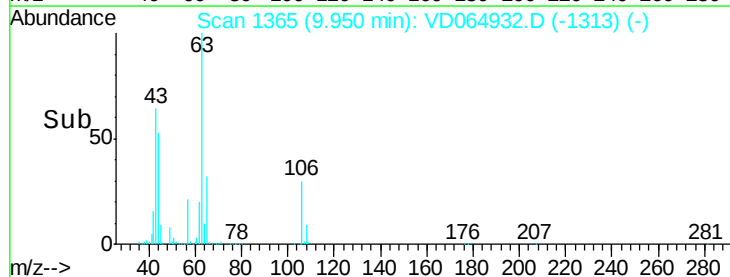
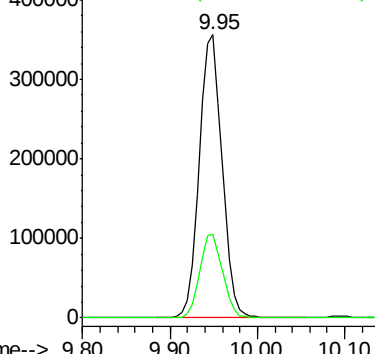
63 100

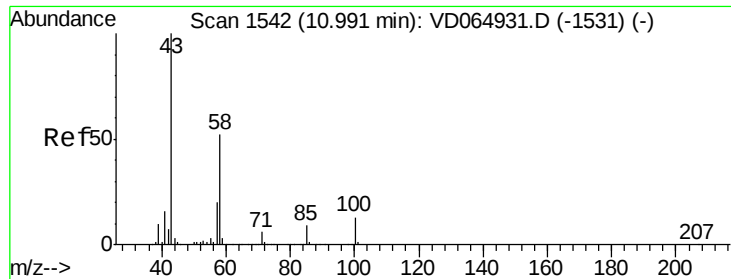
106 29.4 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

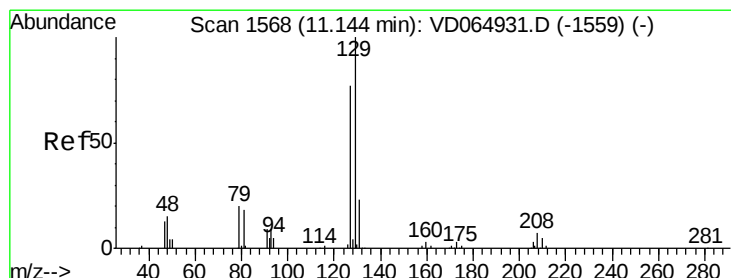
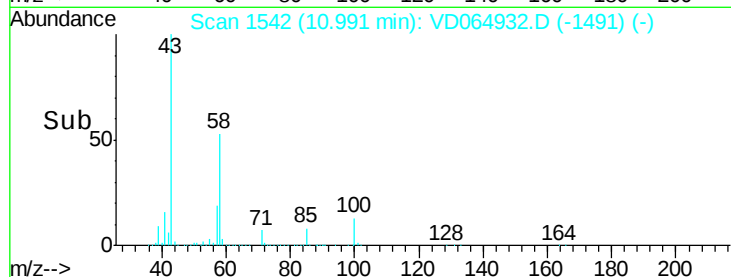
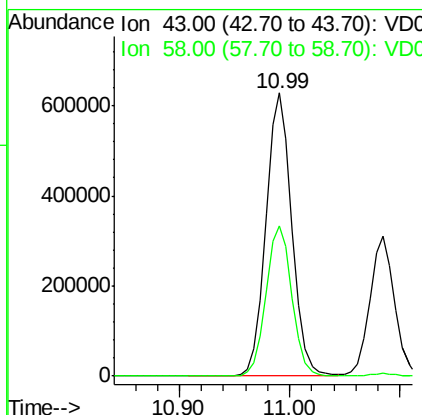
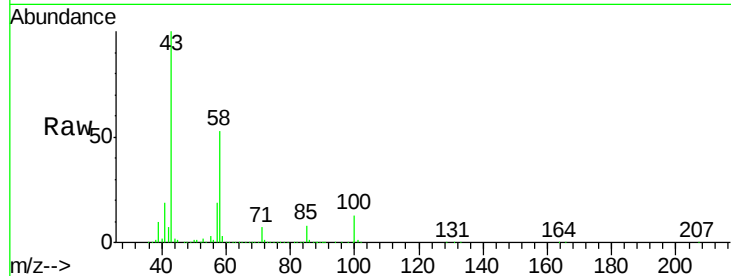




#59
2-Hexanone
Concen: 582.96 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

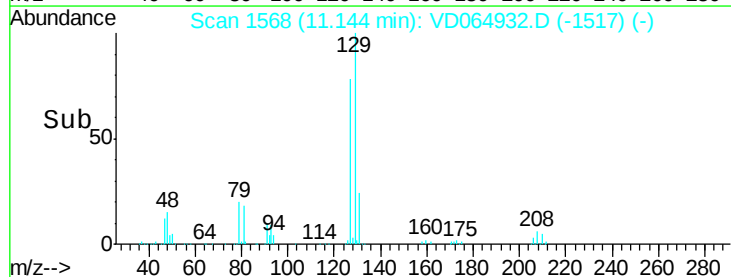
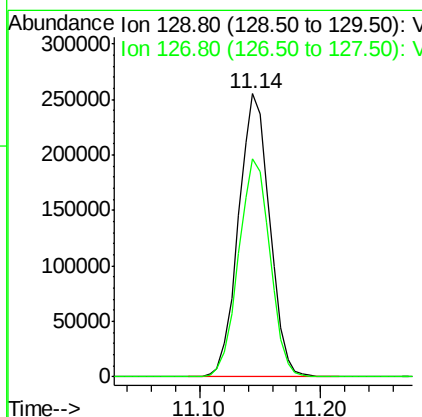
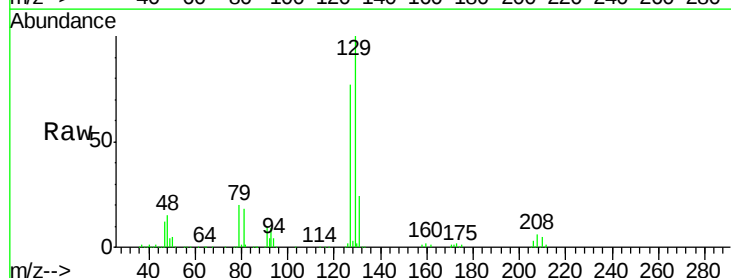
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

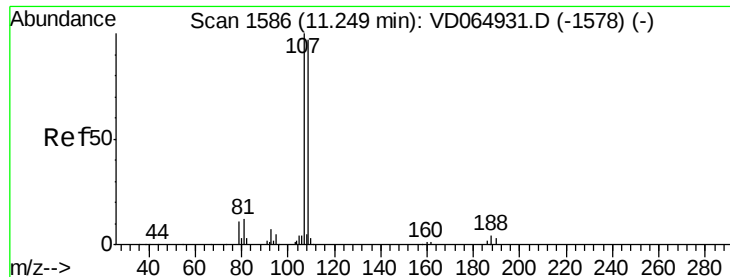
Tgt Ion: 43 Resp: 1025065
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.4



#60
Dibromochloromethane
Concen: 102.85 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 129 Resp: 461022
Ion Ratio Lower Upper
129 100
127 78.0 38.2 114.6

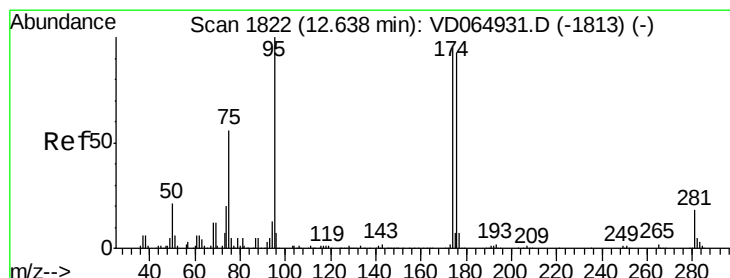
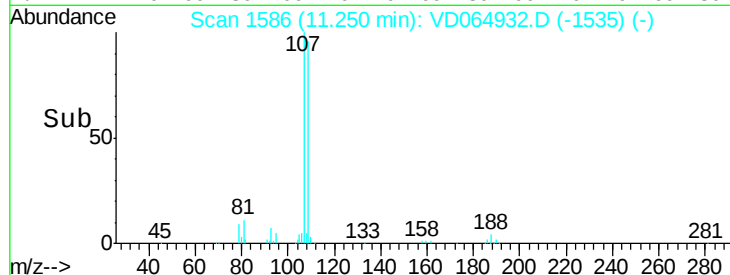
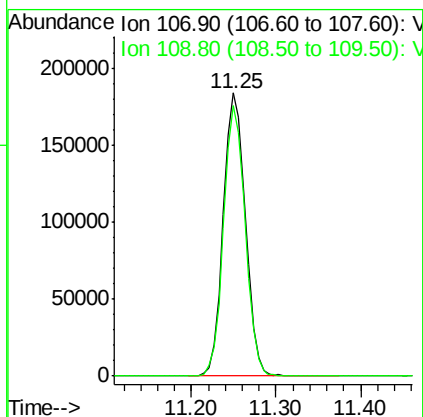
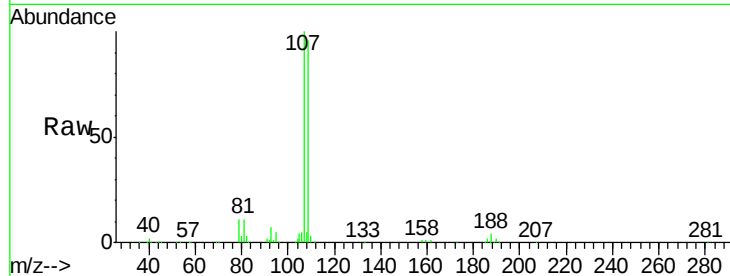




#61
 1,2-Dibromoethane
 Concen: 103.92 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

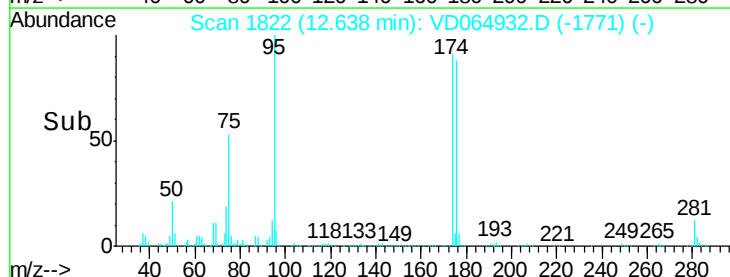
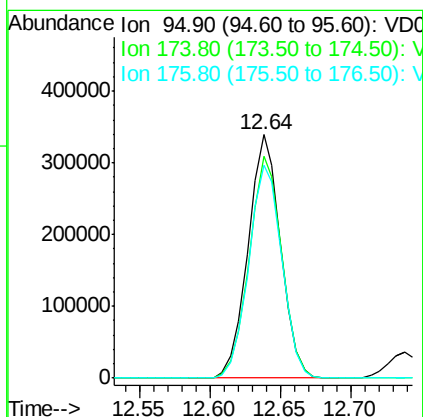
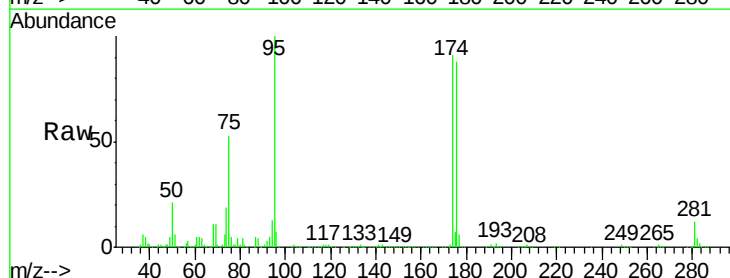
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 332587
 Ion Ratio Lower Upper
 107 100
 109 94.0 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 105.92 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 95 Resp: 547000
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 186.8
 176 89.4 0.0 183.4

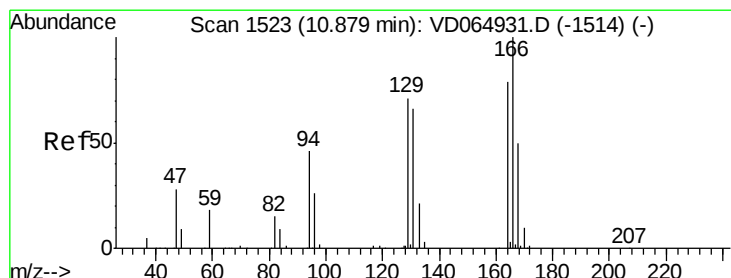
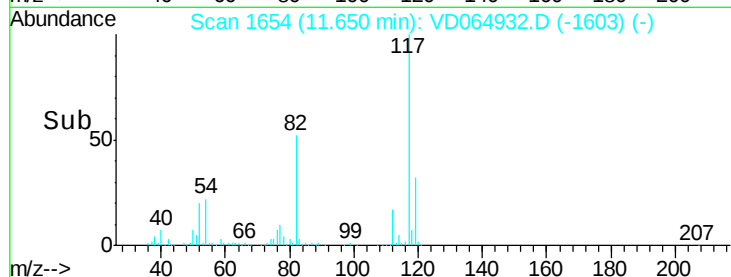
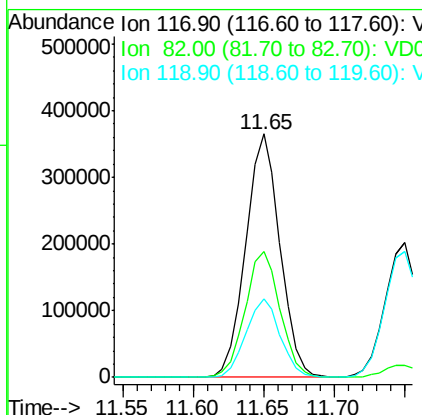
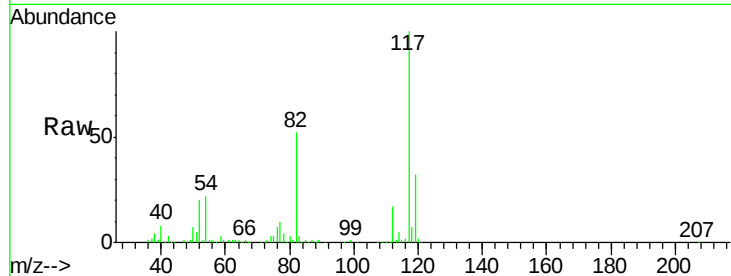




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

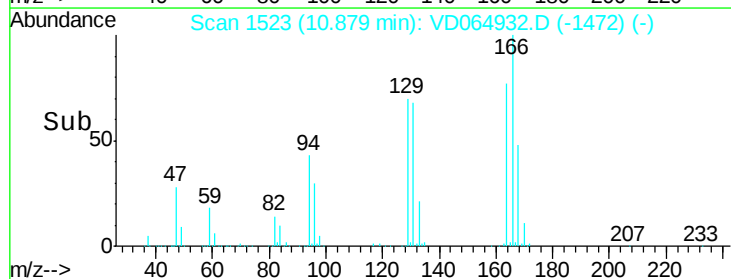
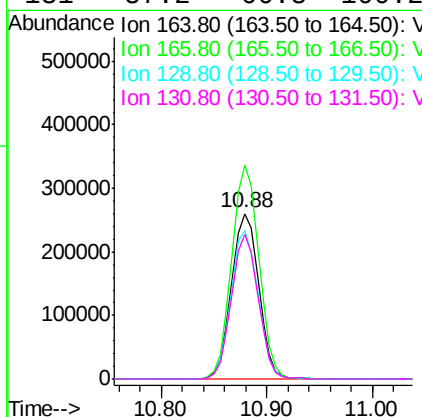
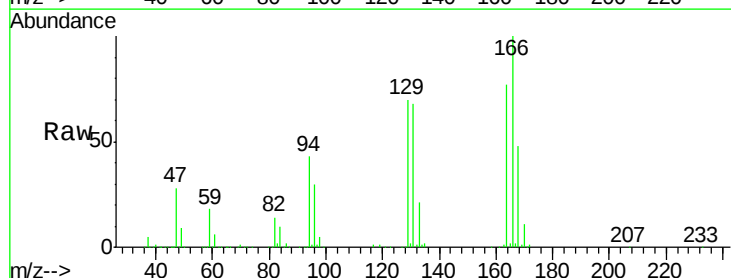
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

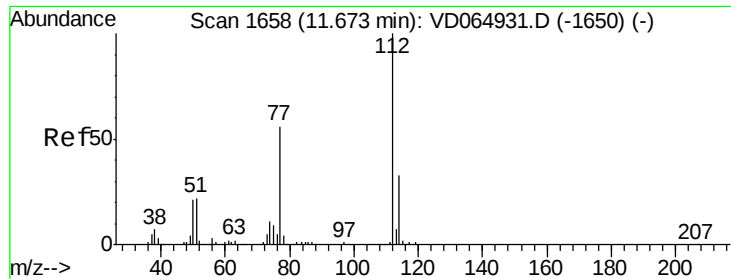
Tgt Ion:117 Resp: 621125
Ion Ratio Lower Upper
117 100
82 51.9 43.6 65.4
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 98.75 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:164 Resp: 465688
Ion Ratio Lower Upper
164 100
166 129.1 101.4 152.2
129 89.8 71.8 107.8
131 87.2 66.8 100.2

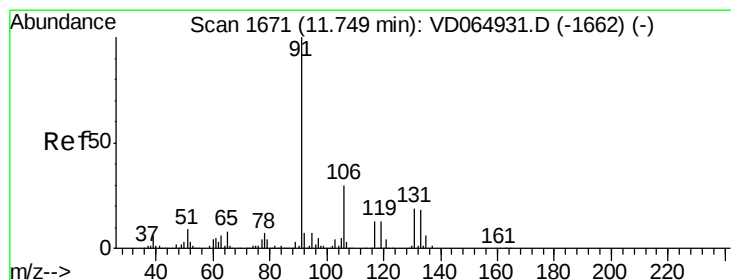
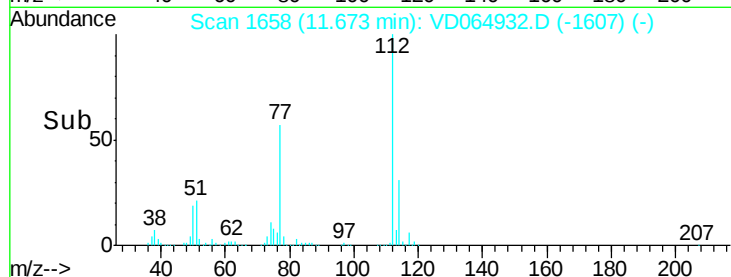
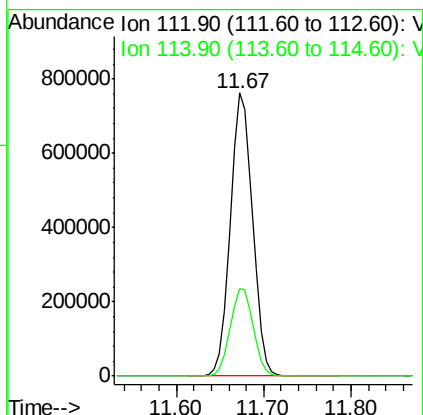
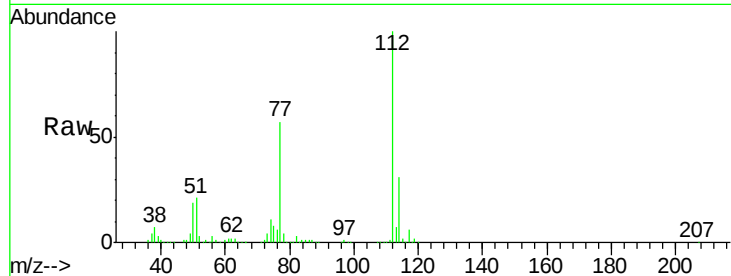




#65
Chlorobenzene
Concen: 103.74 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

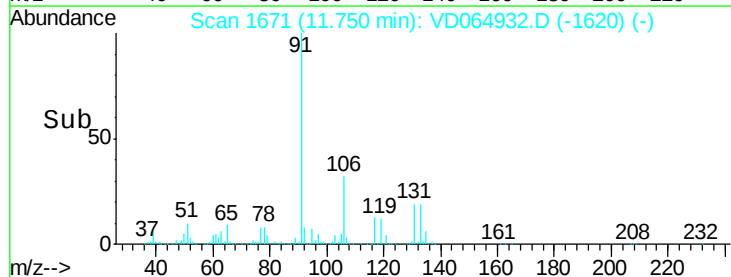
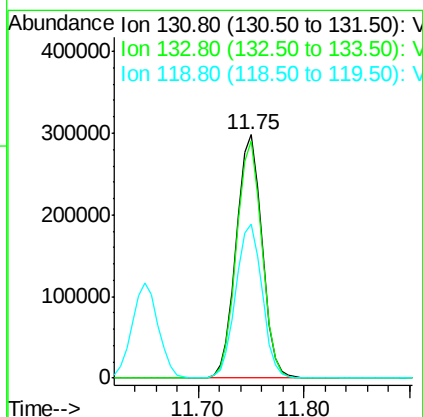
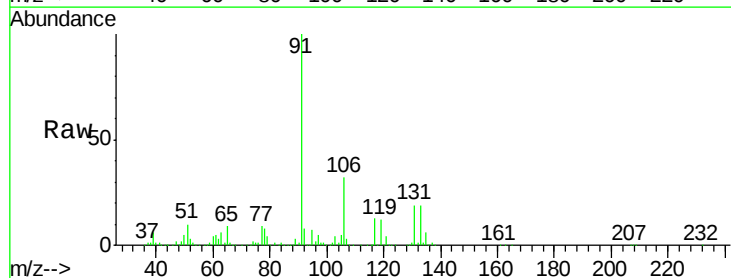
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

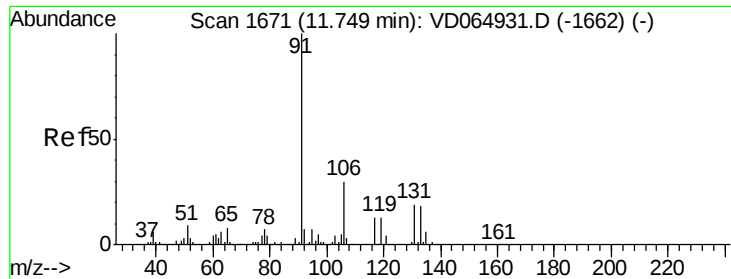
Tgt Ion:112 Resp: 1318421
Ion Ratio Lower Upper
112 100
114 31.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 104.24 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:131 Resp: 501822
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 64.8 31.1 93.5

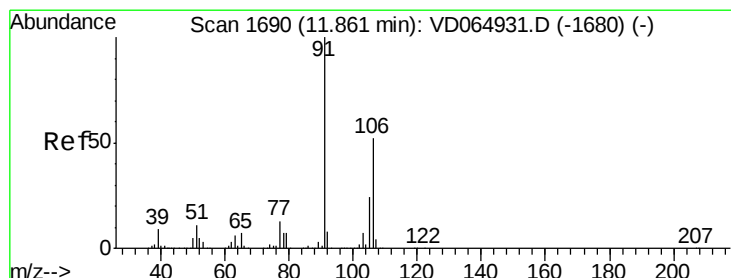
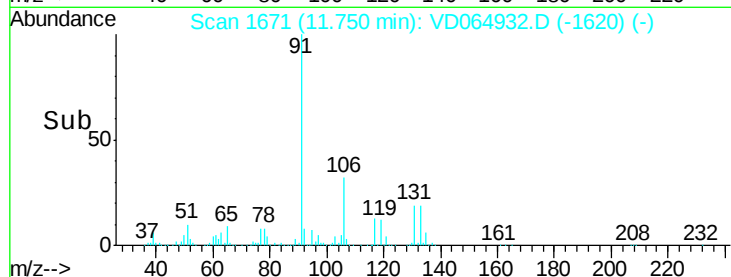
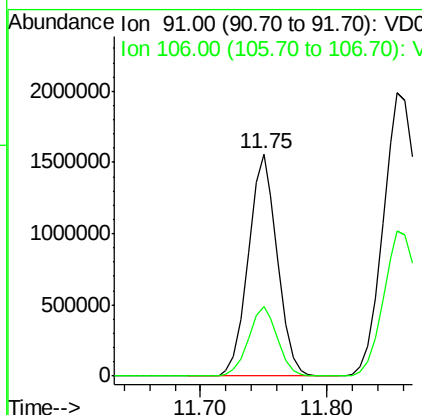
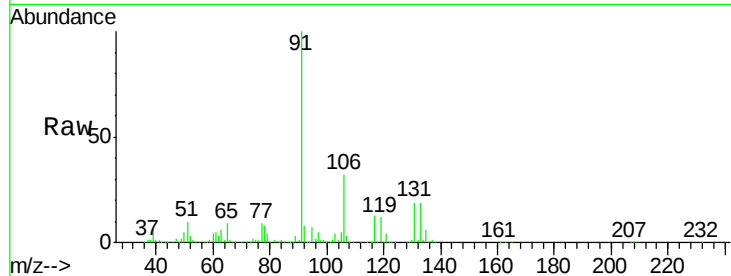




#67
Ethyl Benzene
Concen: 106.62 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

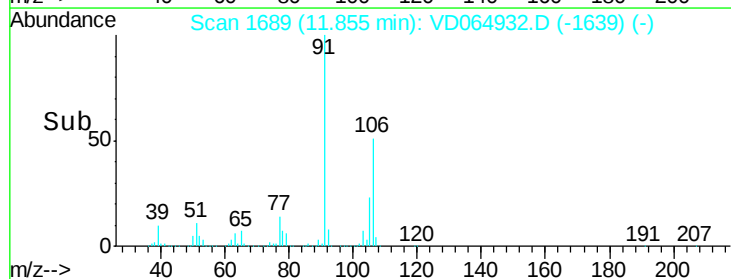
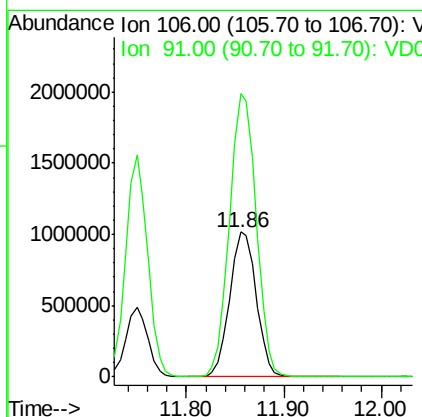
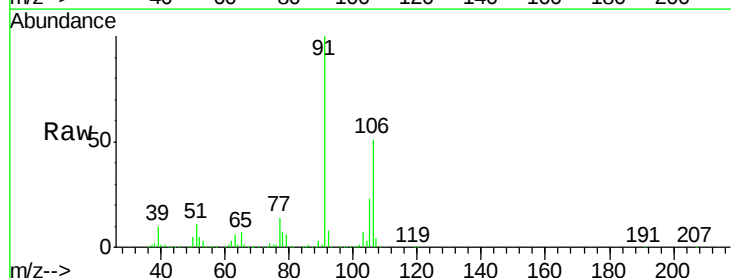
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

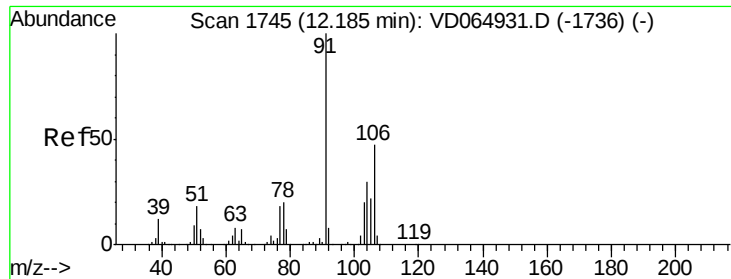
Tgt Ion: 91 Resp: 2472383
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5



#68
m/p-Xylenes
Concen: 215.62 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion: 106 Resp: 1925091
Ion Ratio Lower Upper
106 100
91 196.6 159.0 238.4

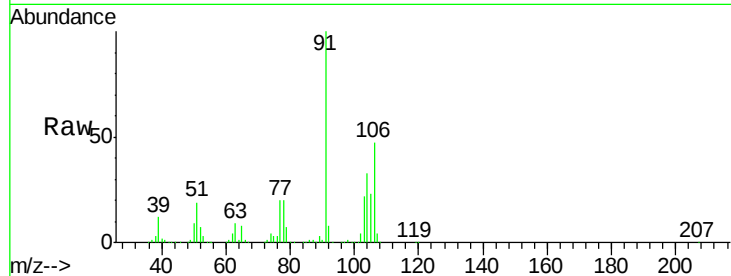




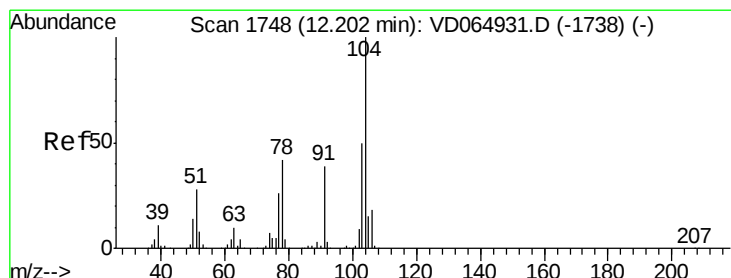
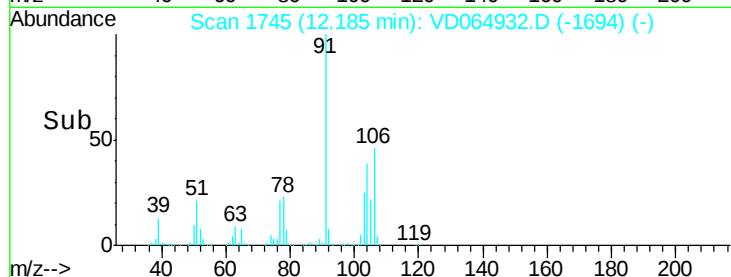
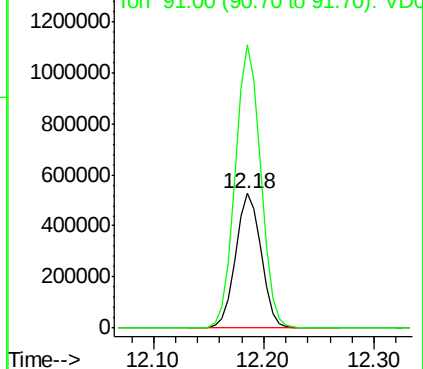
#69
o-Xylene
Concen: 106.20 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 854654
Ion Ratio Lower Upper
106 100
91 210.9 106.7 319.9

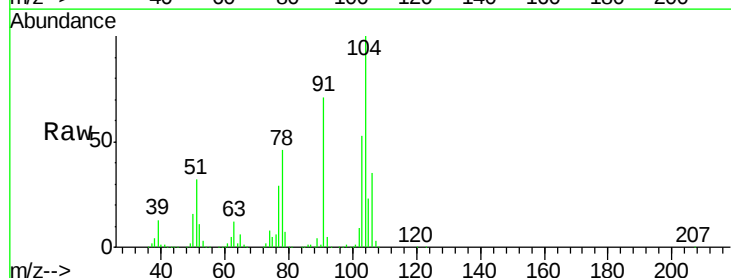


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

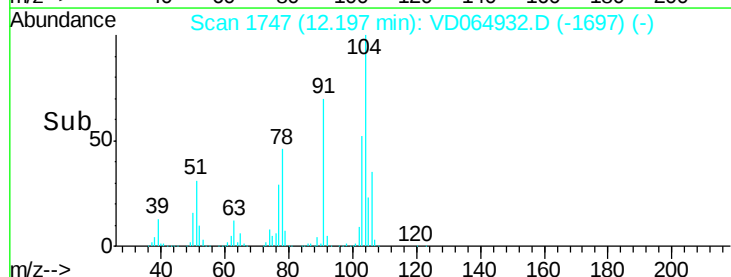
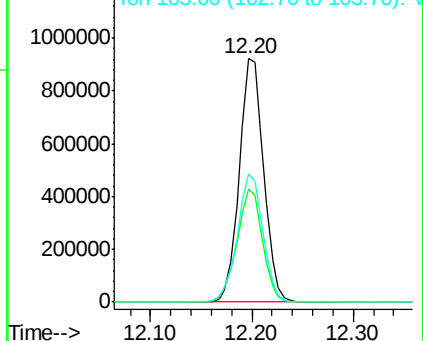


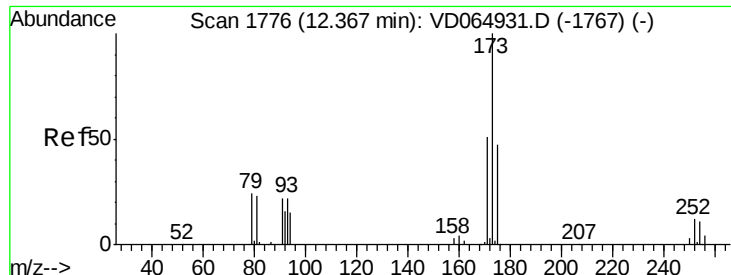
#70
Styrene
Concen: 108.08 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:104 Resp: 1535774
Ion Ratio Lower Upper
104 100
78 48.7 38.3 57.5
103 55.1 43.5 65.3



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

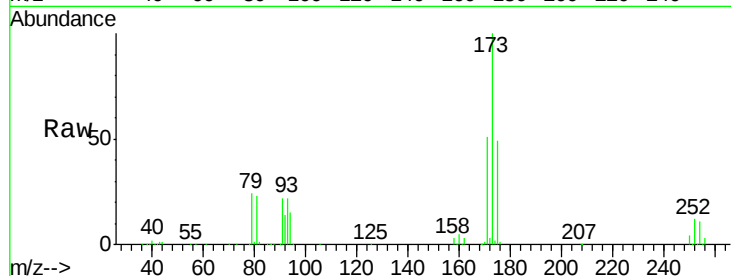




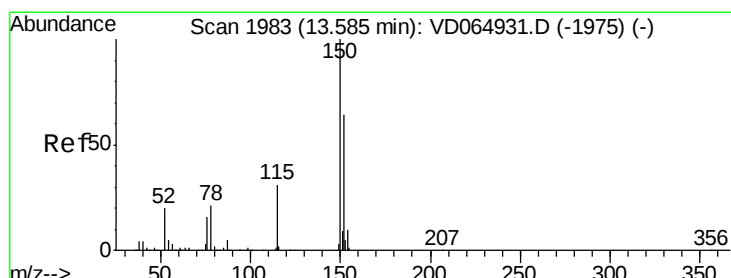
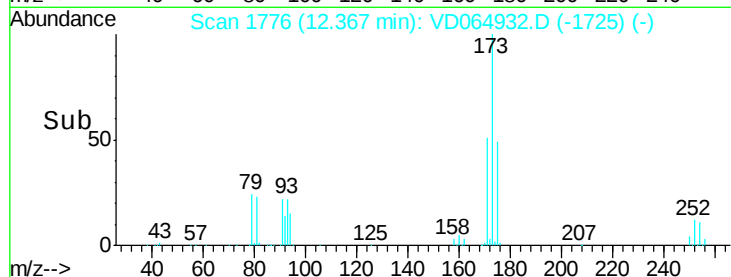
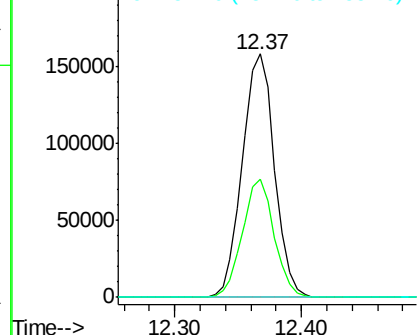
#71
Bromoform
Concen: 101.97 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:173 Resp: 278288
Ion Ratio Lower Upper
173 100
175 47.9 24.6 73.8
254 0.2 0.1 0.1#

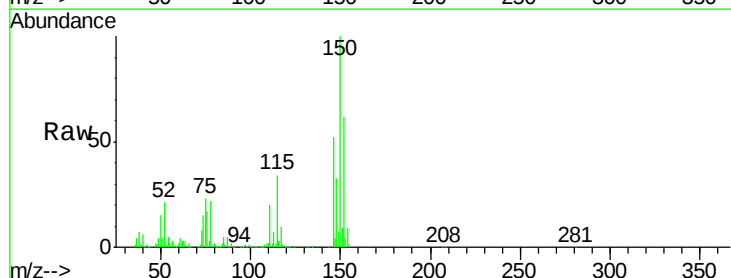


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

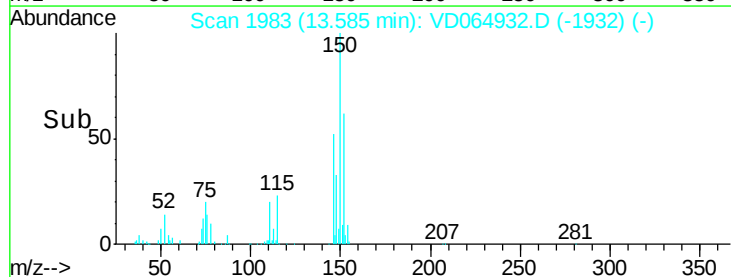
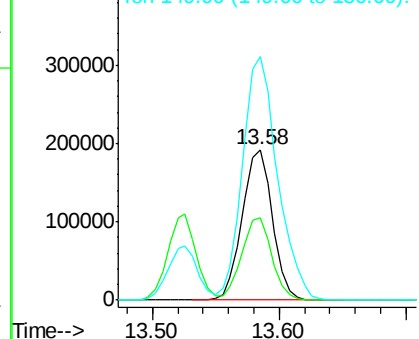


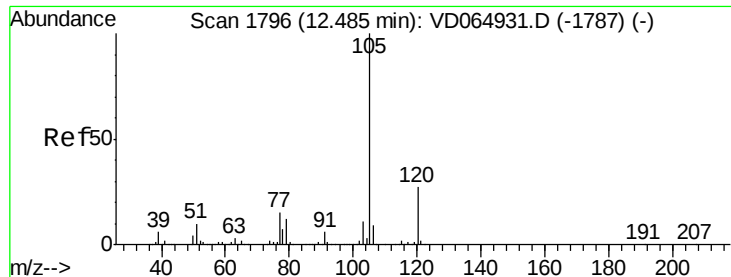
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:152 Resp: 316958
Ion Ratio Lower Upper
152 100
115 54.5 28.1 84.4
150 188.0 0.0 350.4



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: 103.85 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

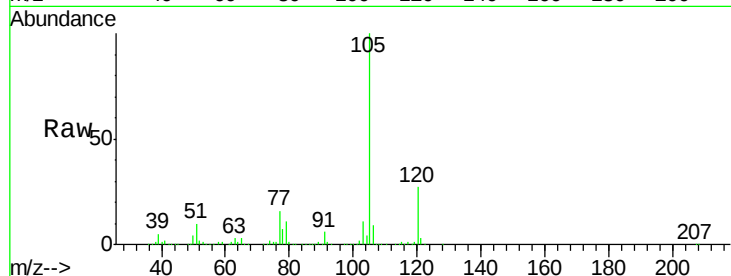
VSTDIC100

Tgt Ion:105 Resp: 2333560

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

1000000

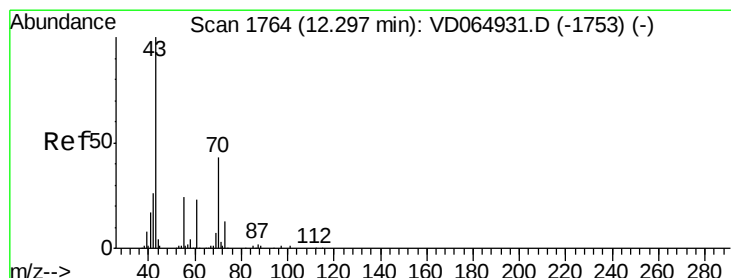
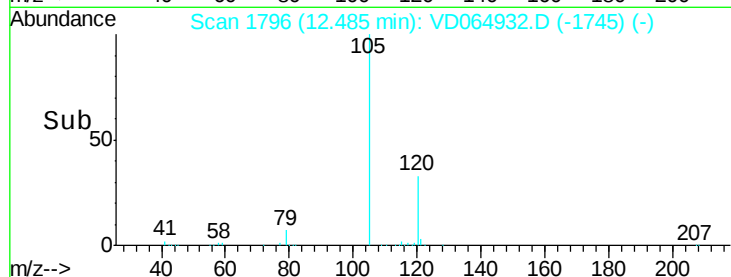
500000

0

Time-->

12.40 12.50 12.60

12.48



#74

N-ethyl acetate

Concen: 109.72 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Tgt Ion: 43 Resp: 528409

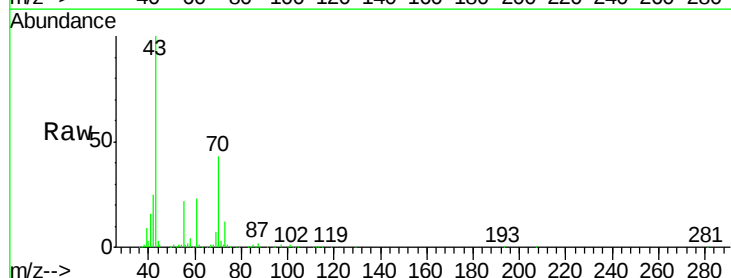
Ion Ratio Lower Upper

43 100

70 41.7 32.6 49.0

55 23.3 19.9 29.9

61 22.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

500000

400000

300000

200000

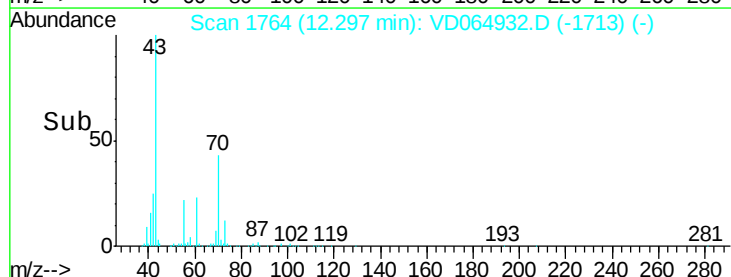
100000

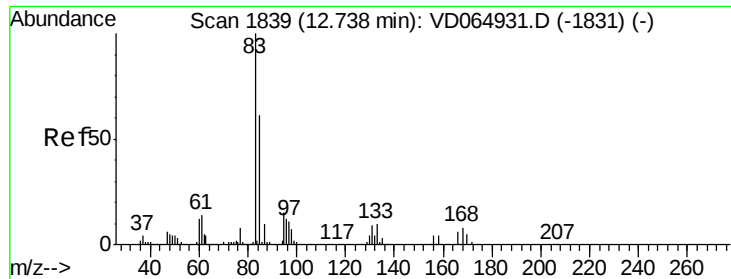
0

Time-->

12.20 12.30 12.40

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 101.38 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

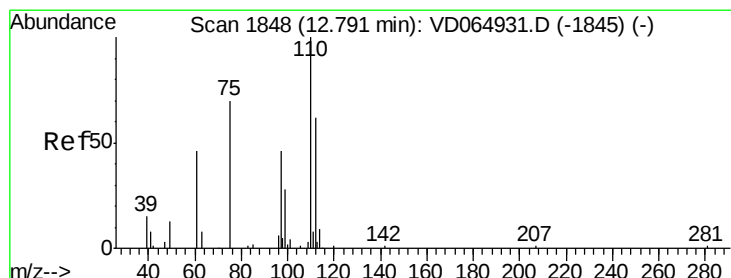
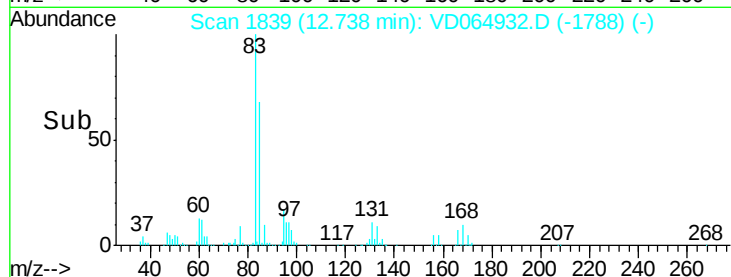
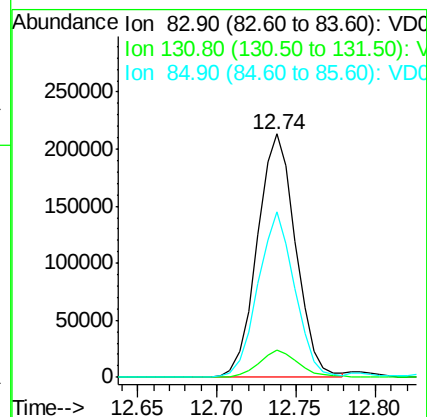
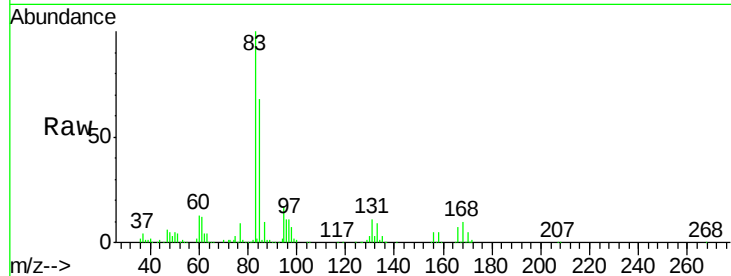
Tgt Ion: 83 Resp: 360183

Ion Ratio Lower Upper

83 100

131 11.6 5.5 16.4

85 65.3 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 191.71 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064932.D

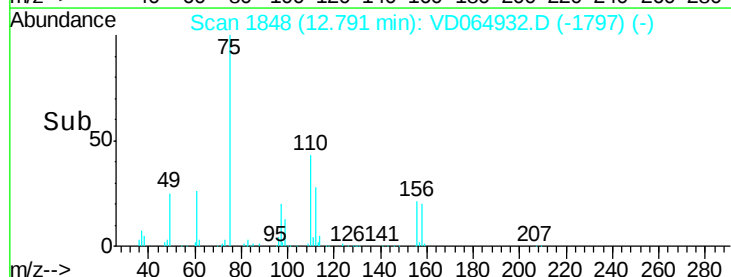
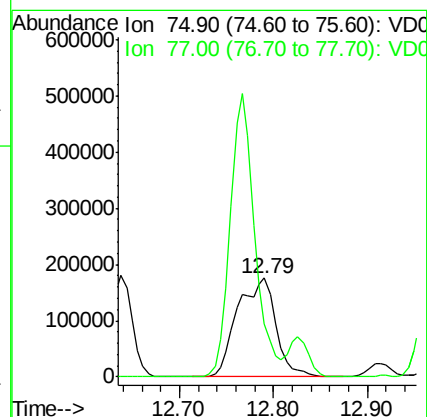
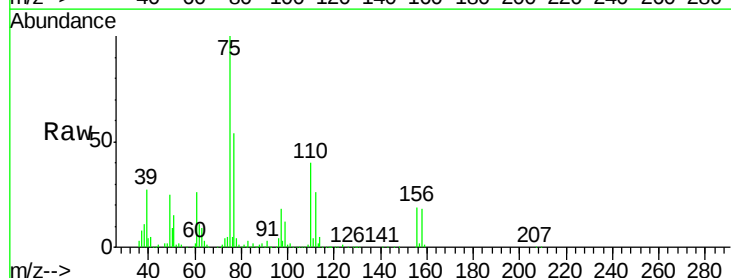
Acq: 23 Jan 2020 12:49

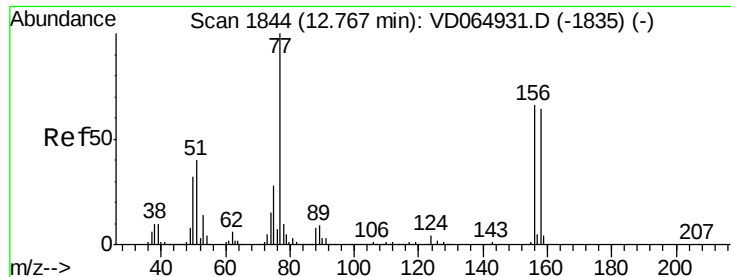
Tgt Ion: 75 Resp: 499905

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 98.19 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

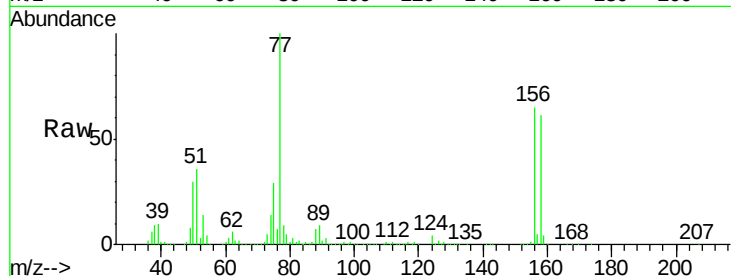
Tgt Ion:156 Resp: 540660

Ion Ratio Lower Upper

156 100

77 169.6 84.2 252.5

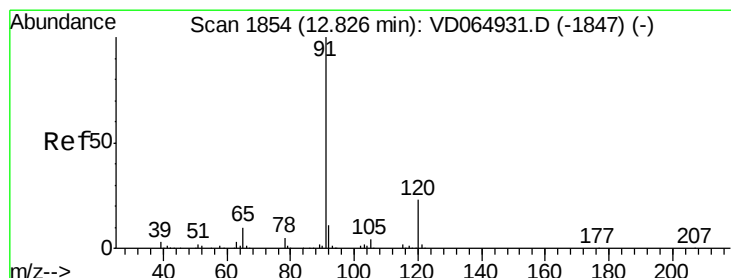
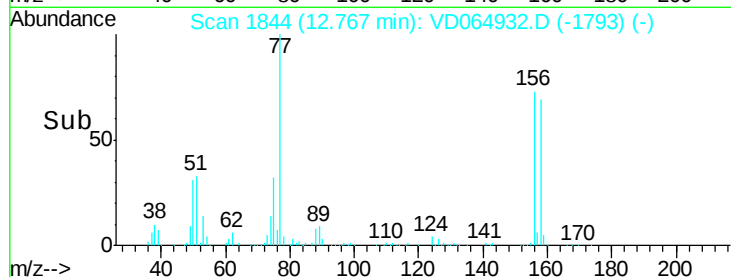
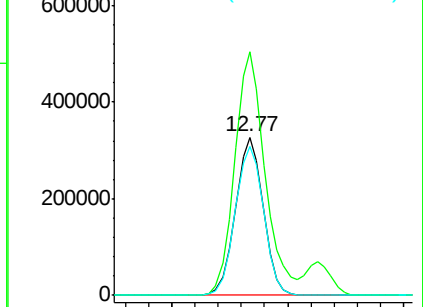
158 96.9 48.1 144.4



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: 103.95 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064932.D

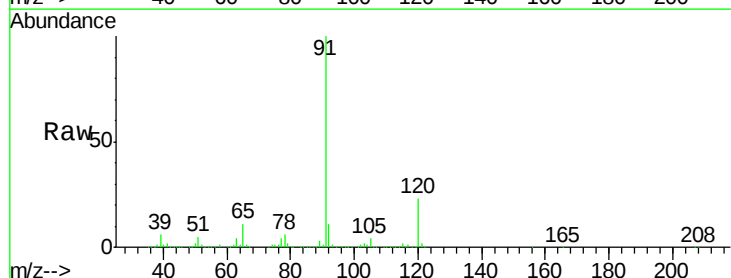
Acq: 23 Jan 2020 12:49

Tgt Ion: 91 Resp: 2733674

Ion Ratio Lower Upper

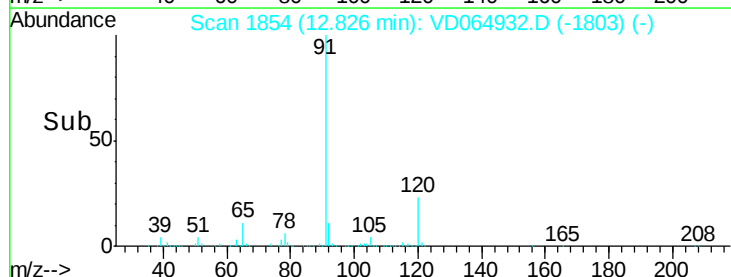
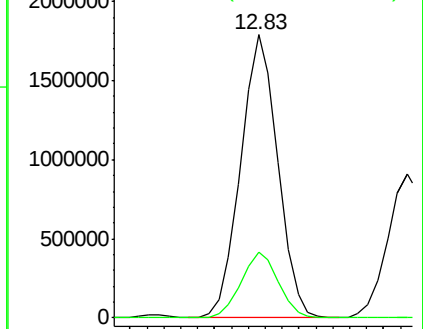
91 100

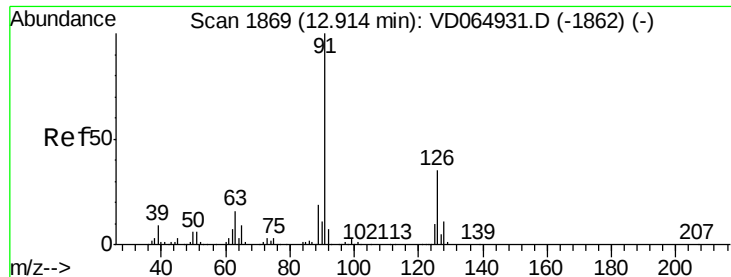
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 102.47 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

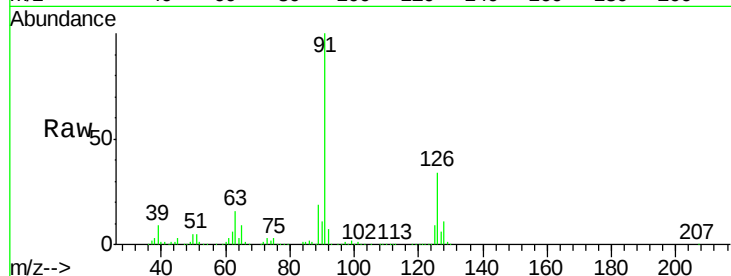
VSTDIC100

Tgt Ion: 91 Resp: 1479912

Ion Ratio Lower Upper

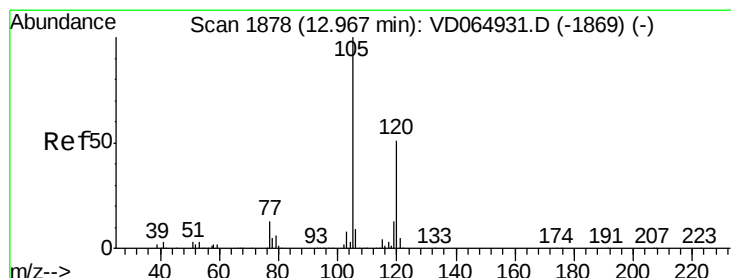
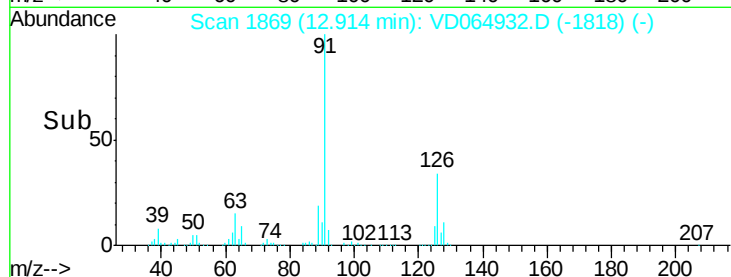
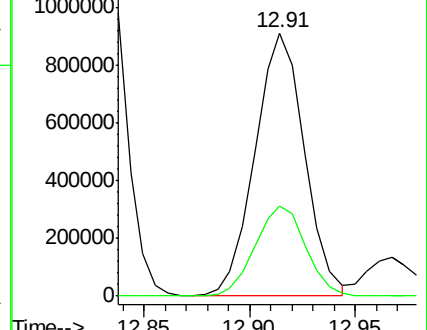
91 100

126 35.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 104.76 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064932.D

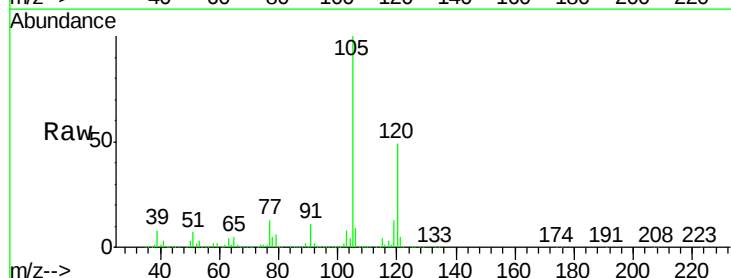
Acq: 23 Jan 2020 12:49

Tgt Ion: 105 Resp: 1928583

Ion Ratio Lower Upper

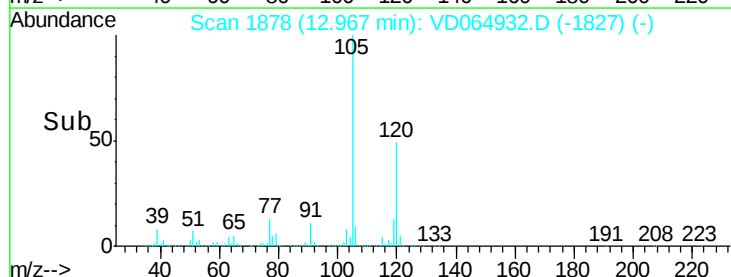
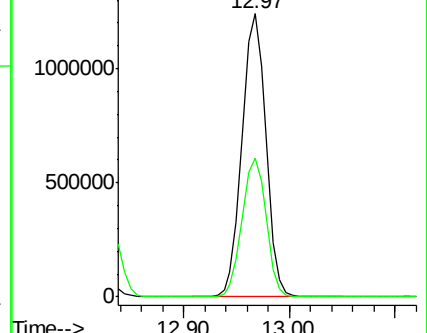
105 100

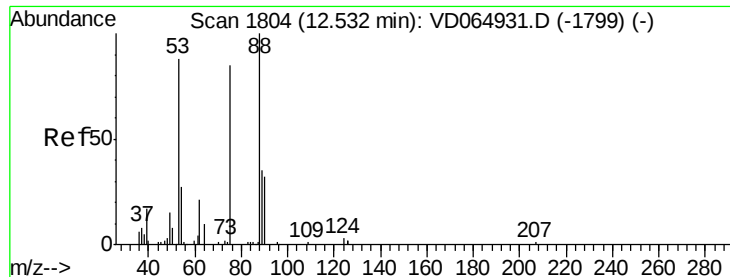
120 49.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 107.83 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

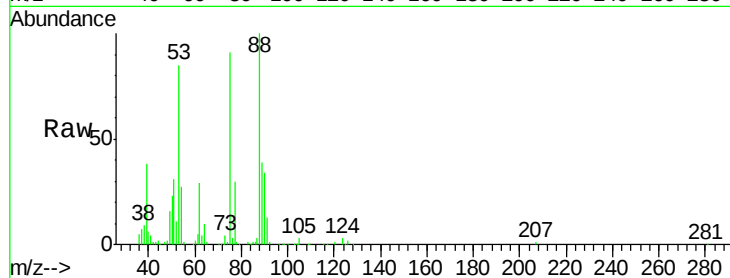
Tgt Ion: 75 Resp: 129426

Ion Ratio Lower Upper

75 100

53 97.2 81.0 121.4

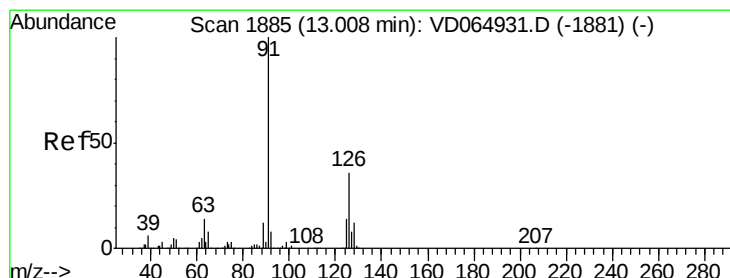
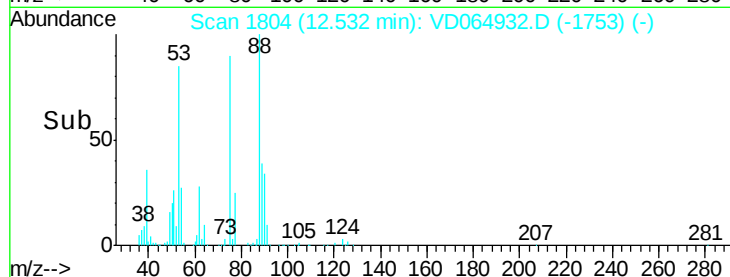
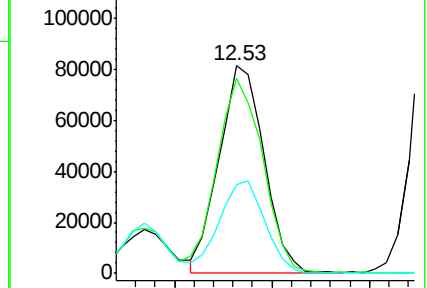
89 45.6 36.2 54.4



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: 102.27 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064932.D

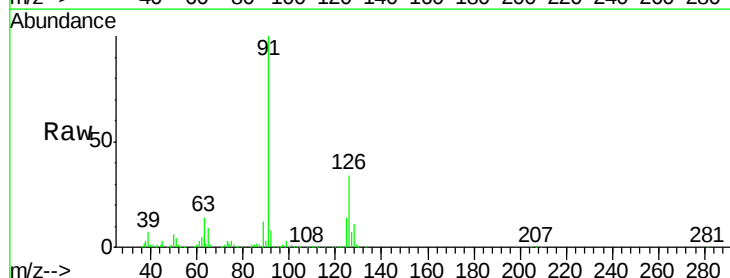
Acq: 23 Jan 2020 12:49

Tgt Ion: 91 Resp: 1568889

Ion Ratio Lower Upper

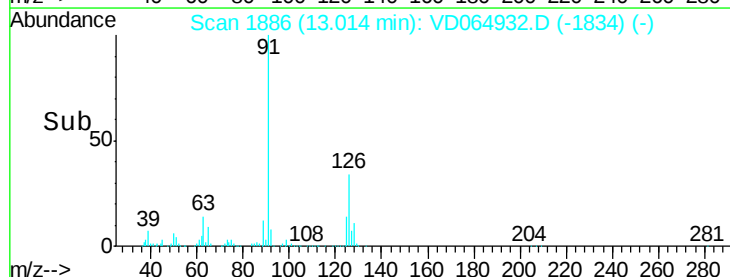
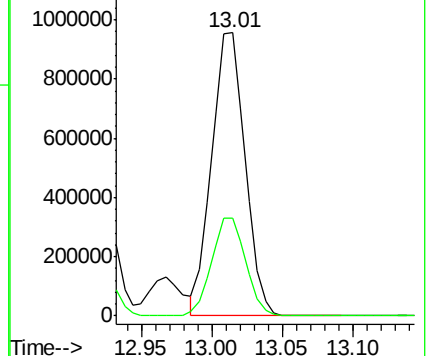
91 100

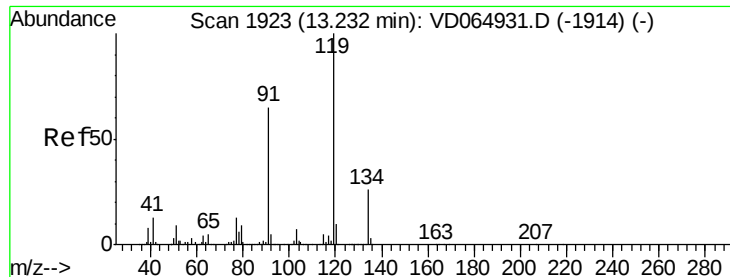
126 35.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

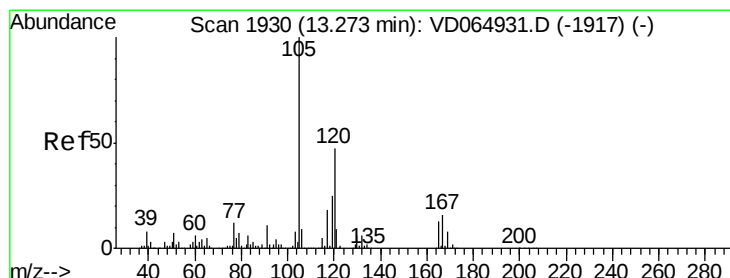
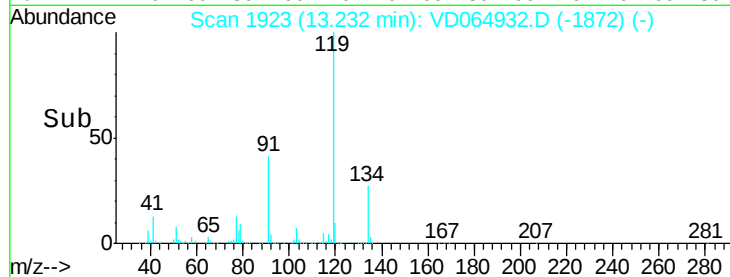
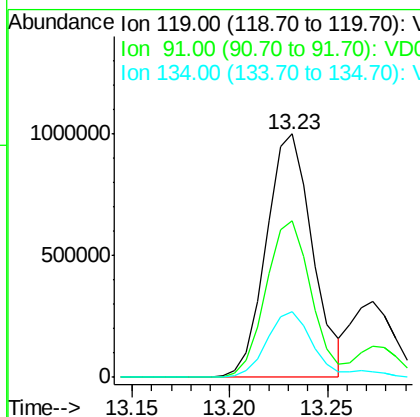
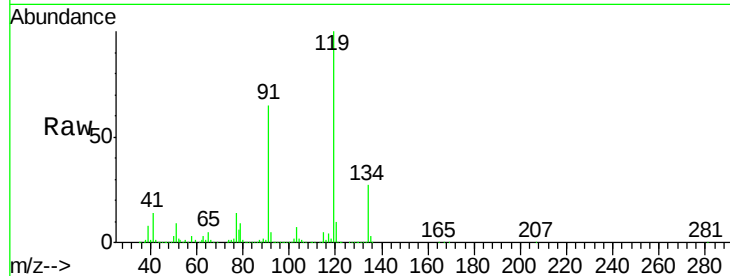




#83
 tert-Butylbenzene
 Concen: 103.15 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

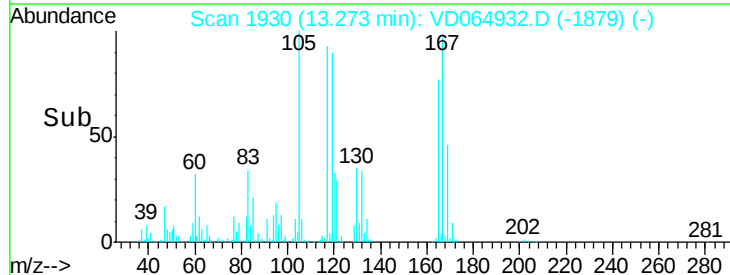
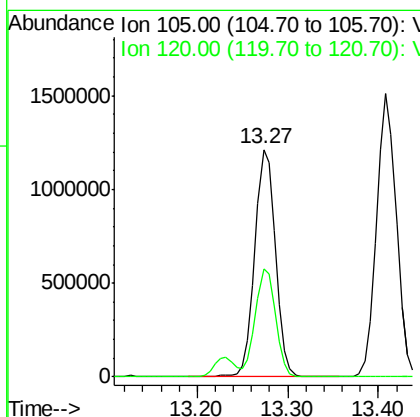
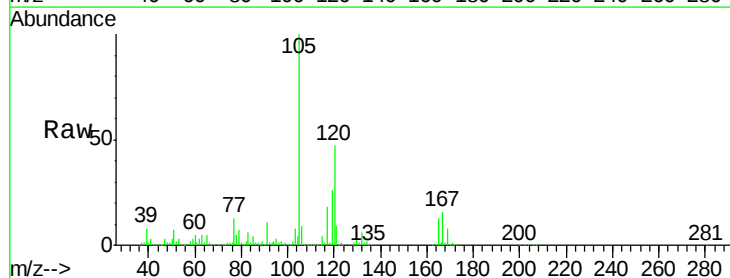
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

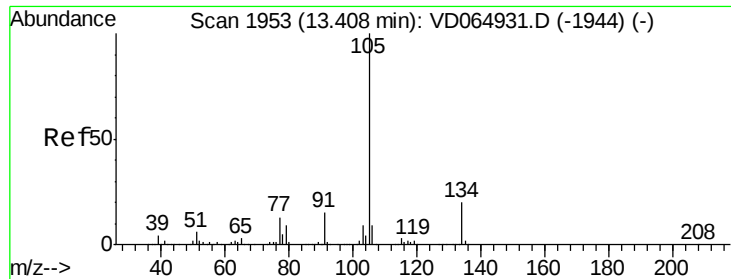
Tgt Ion:119 Resp: 1646395
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.0 96.0
 134 26.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 104.16 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:105 Resp: 1916754
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.3

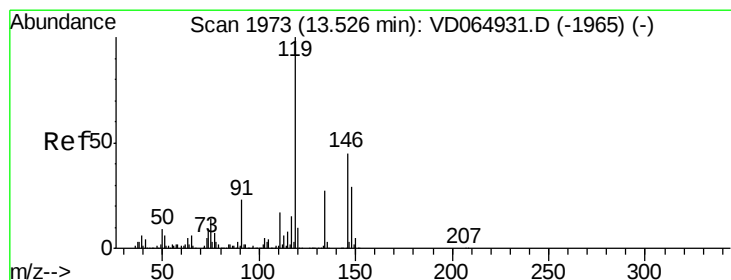
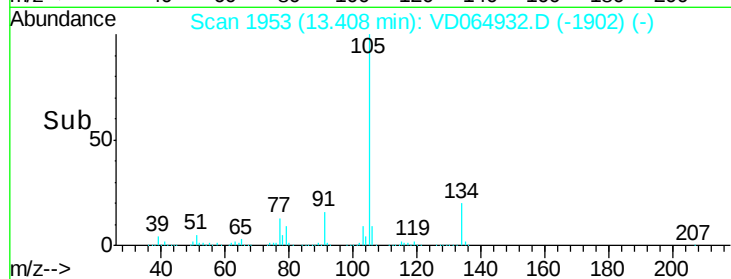
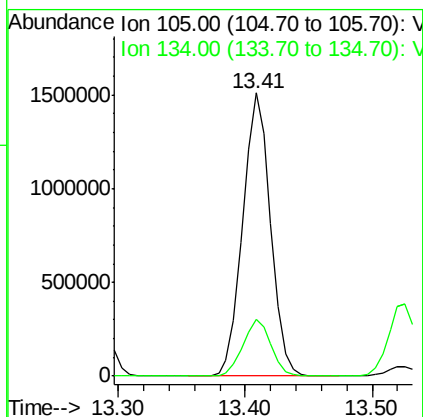
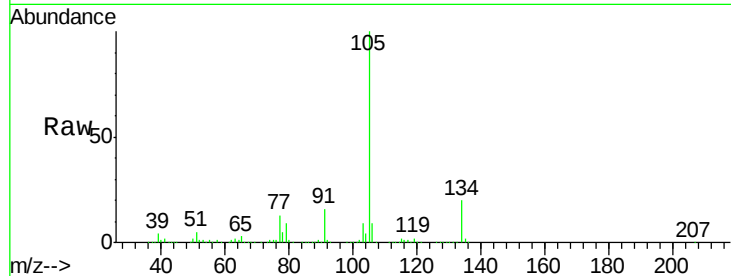




#85
 sec-Butylbenzene
 Concen: 104.35 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

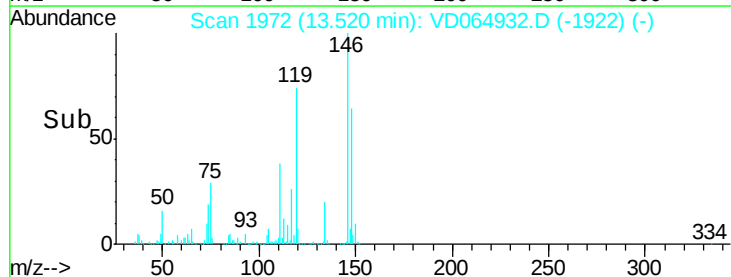
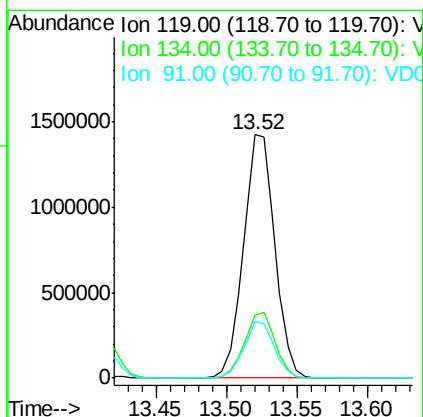
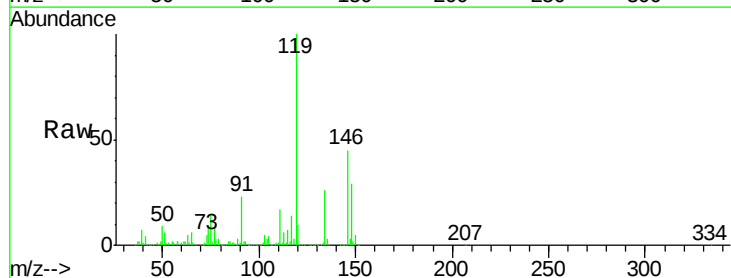
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

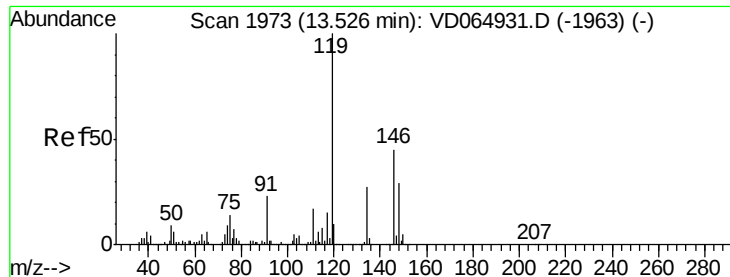
Tgt Ion:105 Resp: 2289814
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 105.12 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:119 Resp: 2202854
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.5 11.4 34.2

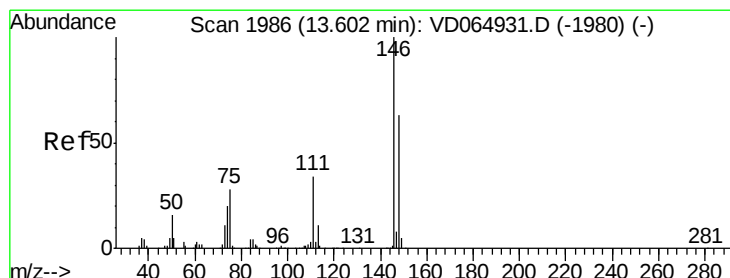
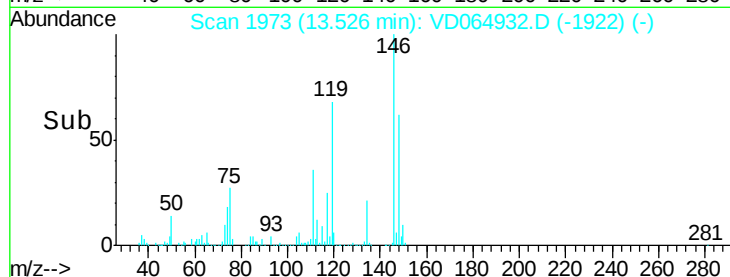
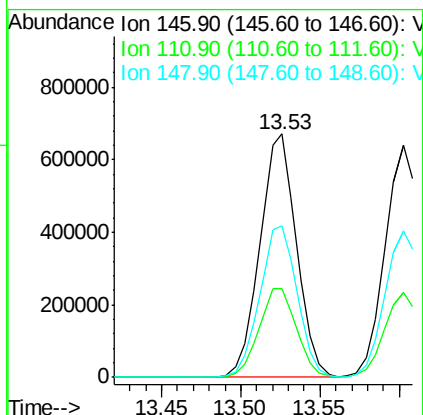
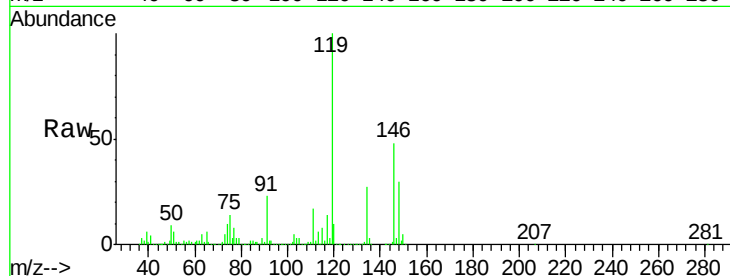




#87
 1,3-Dichlorobenzene
 Concen: 102.48 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

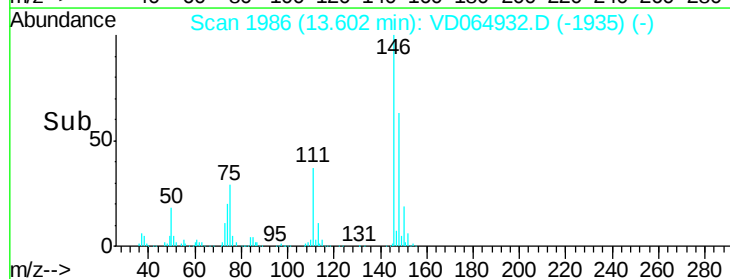
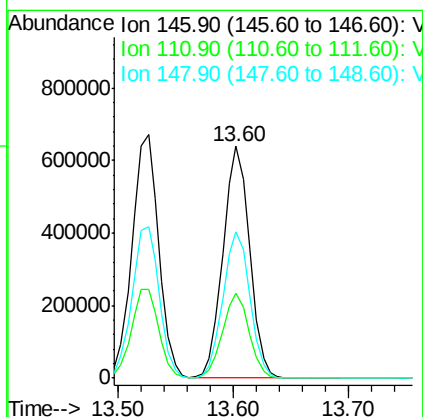
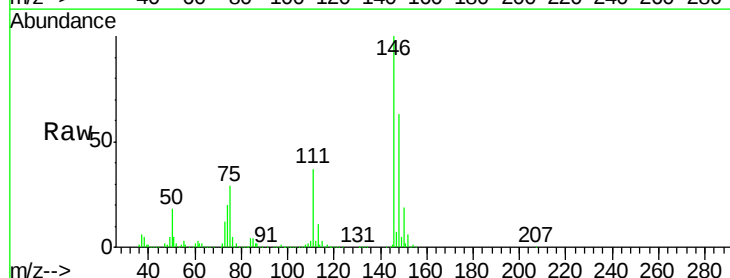
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

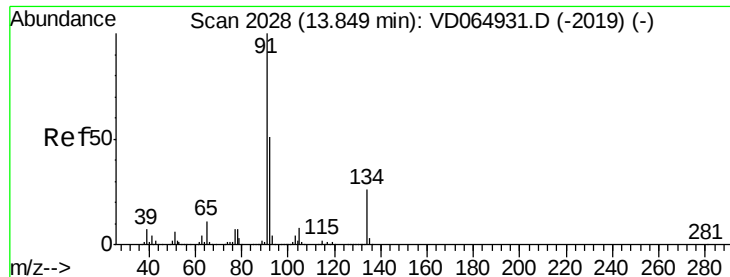
Tgt Ion:146 Resp: 1075817
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.6 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 99.04 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:146 Resp: 1020147
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 104.44 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064932.D

Acq: 23 Jan 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

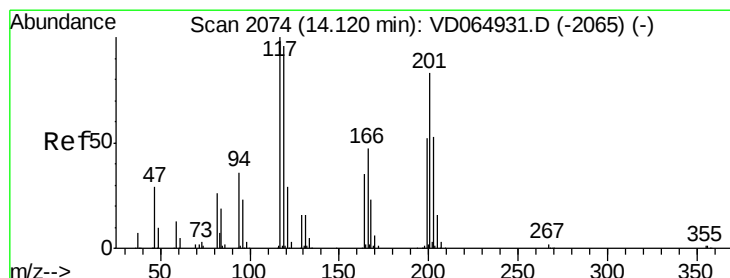
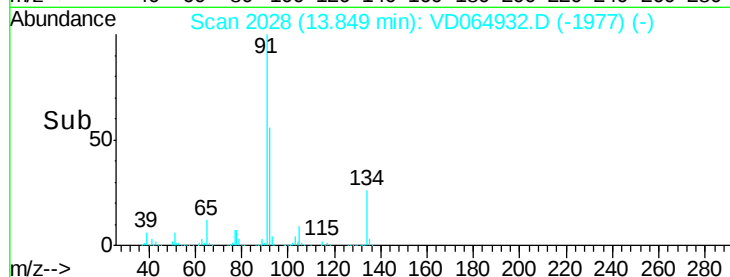
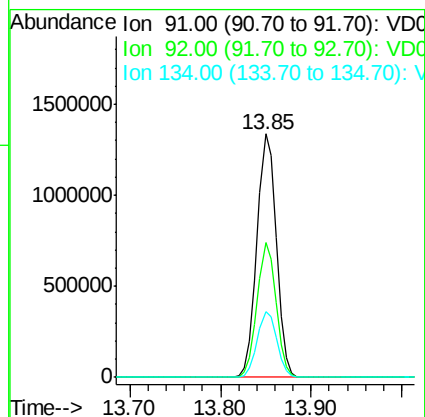
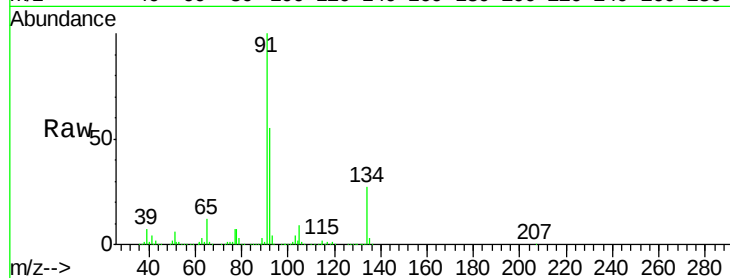
Tgt Ion: 91 Resp: 1979887

Ion Ratio Lower Upper

91 100

92 54.0 26.4 79.0

134 27.2 13.3 39.9



#90

Hexachloroethane

Concen: 98.82 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064932.D

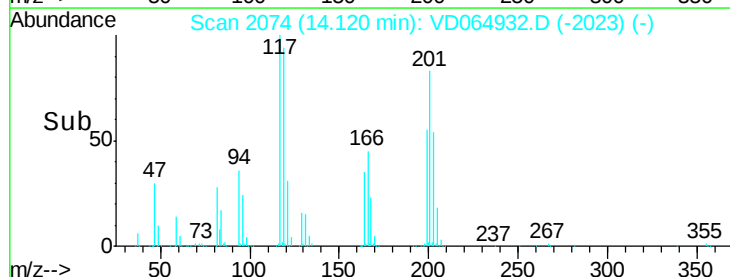
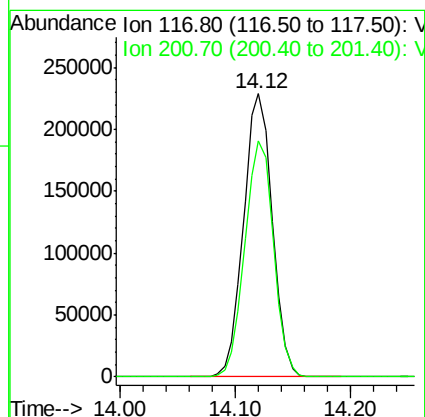
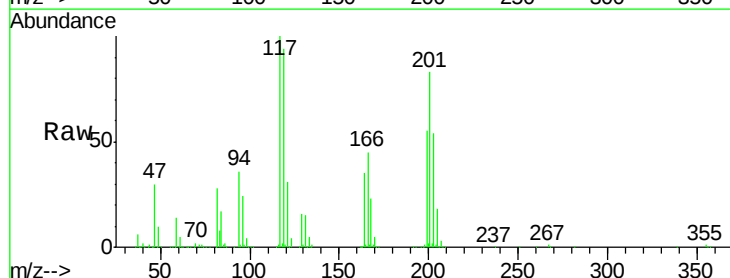
Acq: 23 Jan 2020 12:49

Tgt Ion: 117 Resp: 395520

Ion Ratio Lower Upper

117 100

201 83.4 41.1 123.3

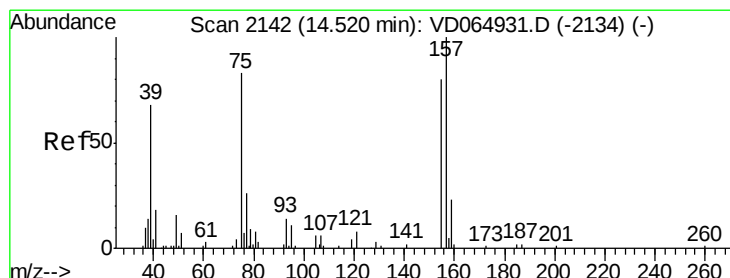
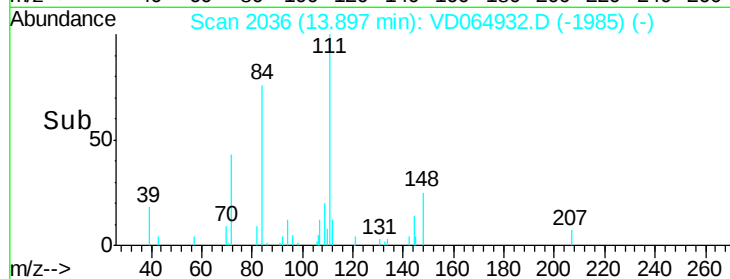
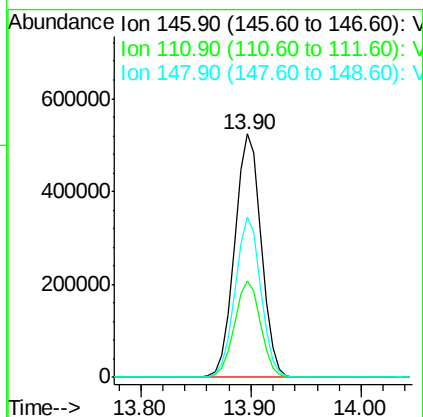
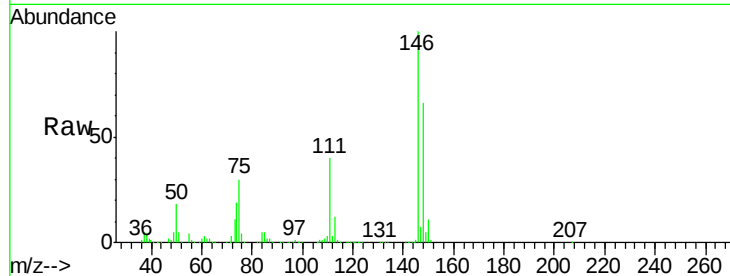




#91
 1,2-Dichlorobenzene
 Concen: 98.73 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

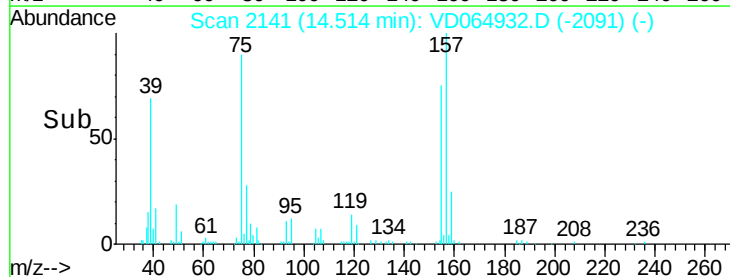
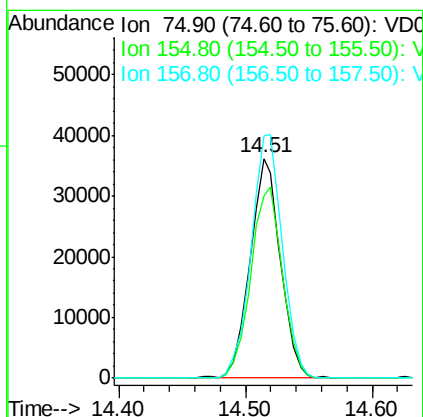
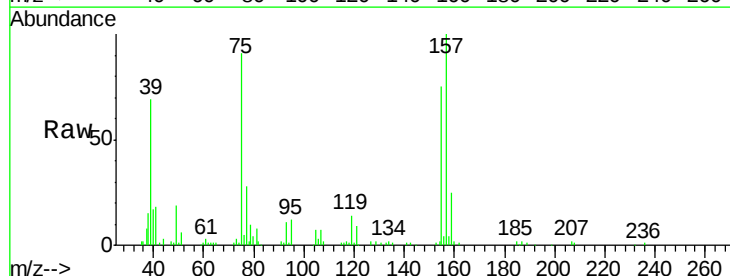
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

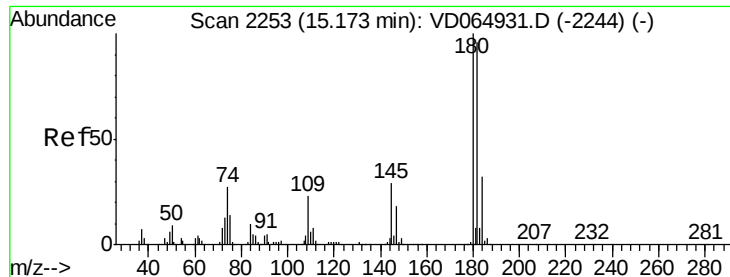
Tgt Ion:146 Resp: 883856
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.2
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.73 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion: 75 Resp: 60194
 Ion Ratio Lower Upper
 75 100
 155 90.8 44.9 134.7
 157 114.2 58.9 176.6

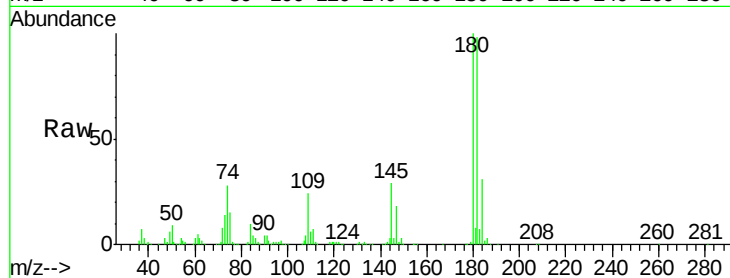




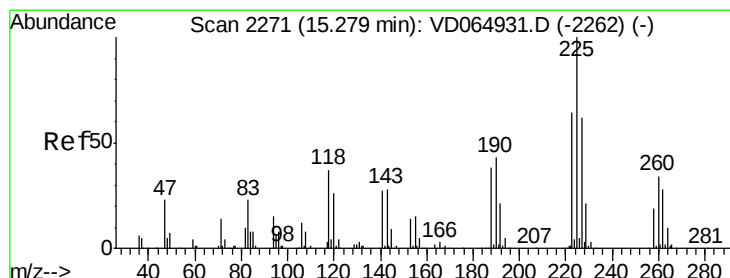
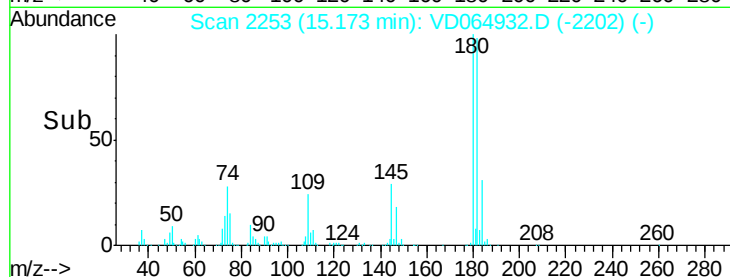
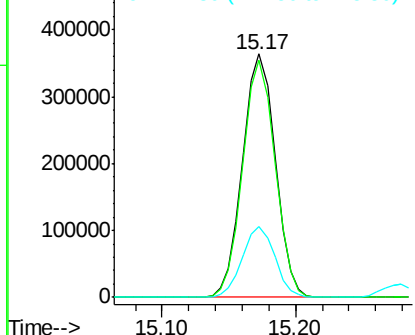
#93
 1,2,4-Trichlorobenzene
 Concen: 94.98 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 619168
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.1 141.4
 145 28.7 14.1 42.3

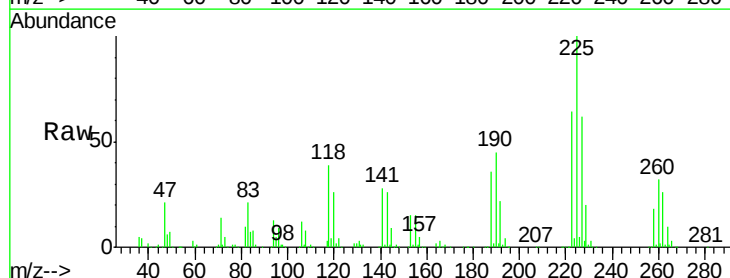


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

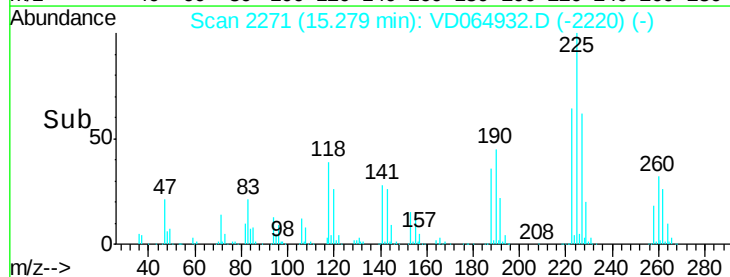
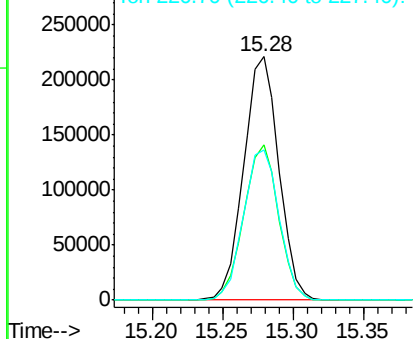


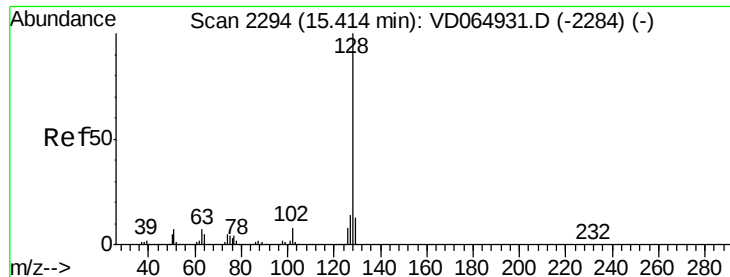
#94
 Hexachlorobutadiene
 Concen: 94.24 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064932.D
 Acq: 23 Jan 2020 12:49

Tgt Ion:225 Resp: 386111
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.4 97.2
 227 63.0 31.9 95.9



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

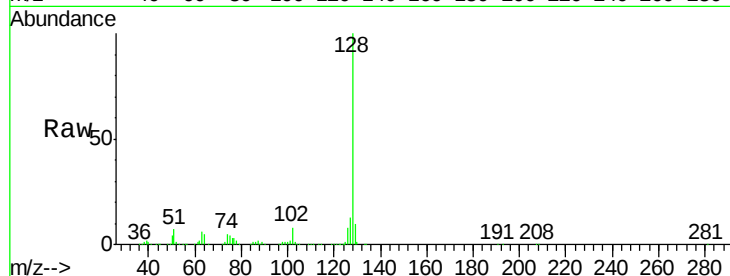




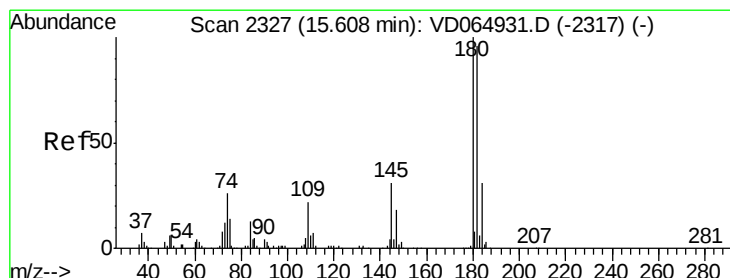
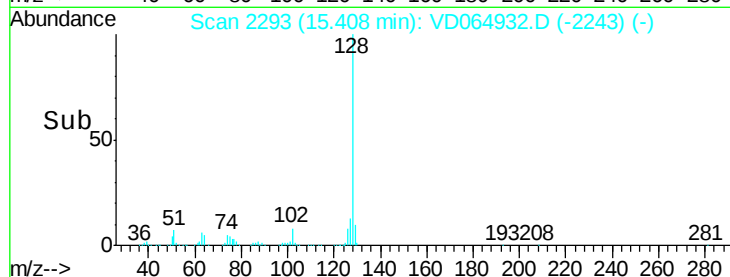
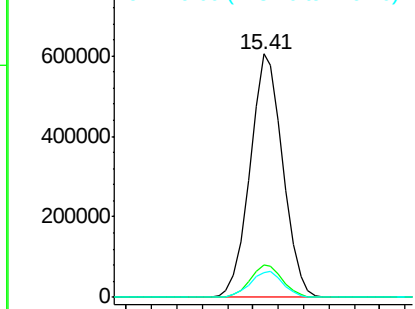
#95
Naphthalene
Concen: 104.74 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1083357
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 9.3 13.9

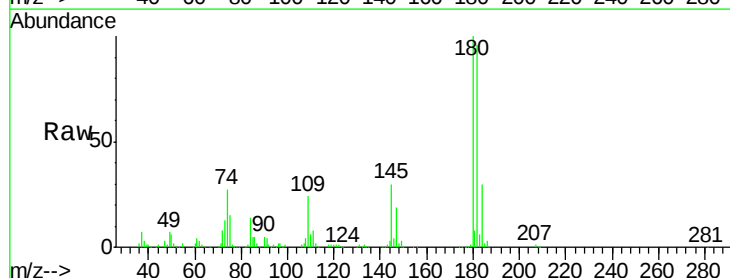


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 96.59 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064932.D
Acq: 23 Jan 2020 12:49

Tgt Ion:180 Resp: 539340
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 30.0 14.6 43.8



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

