

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010820\
 Data File : VD064802.D
 Acq On : 08 Jan 2020 12:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Quant Time: Jan 08 13:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	350912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	517908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	450042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	157071	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	7.91	113	158415	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.34	98	591584	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.64	95	190107	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	117879	43.225	ug/l	100
3) Chloromethane	2.21	50	185190	48.555	ug/l	98
4) Vinyl Chloride	2.35	62	222111	47.763	ug/l	96
5) Bromomethane	2.77	94	154728	45.761	ug/l	91
6) Chloroethane	2.93	64	150853	48.413	ug/l	96
7) Trichlorofluoromethane	3.27	101	365338	46.658	ug/l	98
8) Diethyl Ether	3.71	74	78567	50.529	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	157561	48.588	ug/l	98
10) Methyl Iodide	4.29	142	185807	53.343	ug/l	99
11) Tert butyl alcohol	5.24	59	47166	265.970	ug/l	97
12) 1,1-Dichloroethene	4.06	96	153507	49.723	ug/l	96
13) Acrolein	3.92	56	58179	235.405	ug/l	99
14) Allyl chloride	4.70	41	252856	52.531	ug/l	99
15) Acrylonitrile	5.43	53	172135	265.779	ug/l	99
16) Acetone	4.16	43	203012	321.782	ug/l	96
17) Carbon Disulfide	4.40	76	455470	45.626	ug/l	97
18) Methyl Acetate	4.72	43	91127	52.310	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	370107	53.973	ug/l	94
20) Methylene Chloride	4.96	84	178401	57.064	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	180630	51.375	ug/l	98
22) Diisopropyl ether	6.36	45	519197	54.078	ug/l	98
23) Vinyl Acetate	6.31	43	1492195	273.989	ug/l	99
24) 1,1-Dichloroethane	6.26	63	309126	53.633	ug/l	99
25) 2-Butanone	7.22	43	233917	275.019	ug/l	97
26) 2,2-Dichloropropane	7.20	77	287467	53.644	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	197624	52.082	ug/l	99
28) Bromochloromethane	7.55	49	118385	52.838	ug/l	99
29) Tetrahydrofuran	7.57	42	141268	267.080	ug/l	97
30) Chloroform	7.71	83	327052	54.084	ug/l	98
31) Cyclohexane	7.99	56	260459	45.144	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	294796	51.902	ug/l	99
36) 1,1-Dichloropropene	8.11	75	242627	48.673	ug/l	99
37) Ethyl Acetate	7.30	43	100666	51.405	ug/l	96
38) Carbon Tetrachloride	8.09	117	268187	50.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	285612	47.306	ug/l	98
40) Benzene	8.35	78	691860	50.842	ug/l	99
41) Methacrylonitrile	7.53	41	46343	40.787	ug/l #	72
42) 1,2-Dichloroethane	8.42	62	206140	52.421	ug/l	99
43) Isopropyl Acetate	8.46	43	199908	51.287	ug/l	99
44) Trichloroethene	9.11	130	200082	50.050	ug/l	97
45) 1,2-Dichloropropane	9.38	63	170769	52.559	ug/l	100
46) Dibromomethane	9.47	93	92148	50.869	ug/l	98
47) Bromodichloromethane	9.66	83	249670	51.795	ug/l	95
48) Methyl methacrylate	9.46	41	94136	51.291	ug/l	91
49) 1,4-Dioxane	9.47	88	22017	1054.064	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	500207	259.629	ug/l	99
52) Toluene	10.40	92	453447	50.790	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	236614	52.650	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	284622	53.711	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	125210	51.288	ug/l	99
56) Ethyl methacrylate	10.66	69	157682	51.718	ug/l	99
57) 1,3-Dichloropropane	10.95	76	219173	52.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	260947	224.646	ug/l	99
59) 2-Hexanone	10.98	43	367903	281.350	ug/l	99
60) Dibromochloromethane	11.14	129	172611	51.129	ug/l	99
61) 1,2-Dibromoethane	11.25	107	122908	51.044	ug/l	100
64) Tetrachloroethene	10.88	164	167133	48.407	ug/l	95
65) Chlorobenzene	11.67	112	479834	51.371	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	184911	52.513	ug/l	99
67) Ethyl Benzene	11.75	91	875698	51.652	ug/l	100
68) m/p-Xylenes	11.86	106	674535	103.081	ug/l	98
69) o-Xylene	12.18	106	303382	51.328	ug/l	98
70) Styrene	12.20	104	548170	52.836	ug/l	99
71) Bromoform	12.37	173	103615	51.599	ug/l #	99
73) Isopropylbenzene	12.48	105	838008	53.247	ug/l	100
74) N-amyl acetate	12.29	43	180983	53.796	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	135945	54.987	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	176045	101.229	ug/l #	100
77) Bromobenzene	12.77	156	201887	52.206	ug/l	99
78) n-propylbenzene	12.83	91	979310	53.338	ug/l	99
79) 2-Chlorotoluene	12.91	91	535641	53.106	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	681867	52.743	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	45834	55.121	ug/l	97
82) 4-Chlorotoluene	13.01	91	566747	52.801	ug/l	99
83) tert-Butylbenzene	13.23	119	584620	52.082	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	684644	53.174	ug/l	99
85) sec-Butylbenzene	13.41	105	808584	52.544	ug/l	99
86) p-Isopropyltoluene	13.53	119	768025	52.195	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	387669	52.587	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	382028	52.751	ug/l	99
89) n-Butylbenzene	13.85	91	701318	52.926	ug/l	99
90) Hexachloroethane	14.12	117	148163	52.713	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	331407	52.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	20249	50.523	ug/l	94

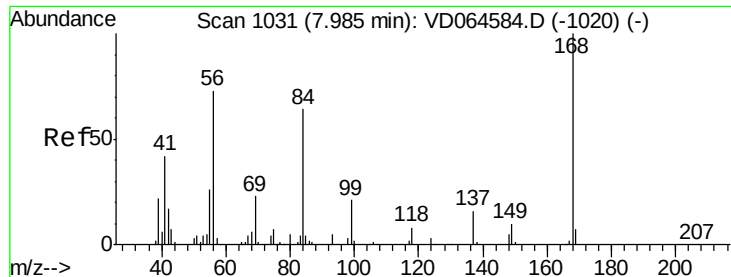
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD010820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	236460	51.087	ug/l	99
94) Hexachlorobutadiene	15.28	225	145033	49.795	ug/l	98
95) Naphthalene	15.41	128	383219	52.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	201380	50.964	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

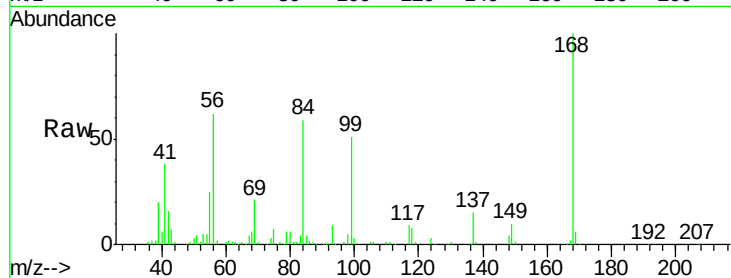
VSTD05006

Tgt Ion: 168 Resp: 350912

Ion Ratio Lower Upper

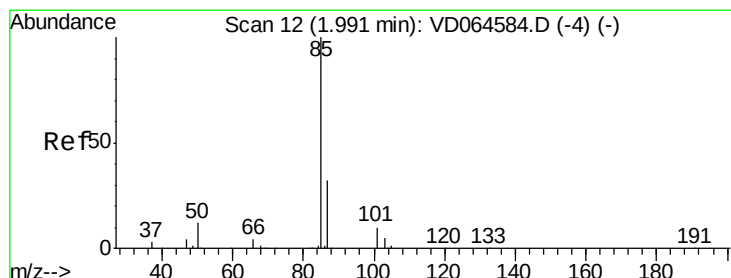
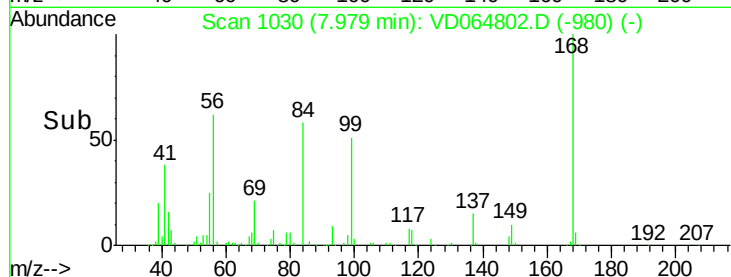
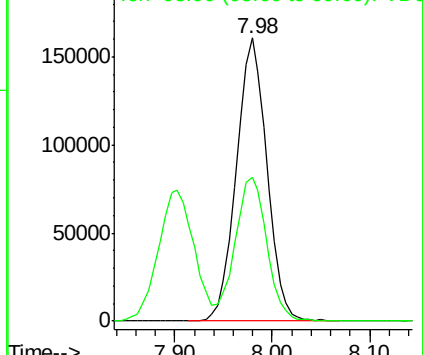
168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.225 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064802.D

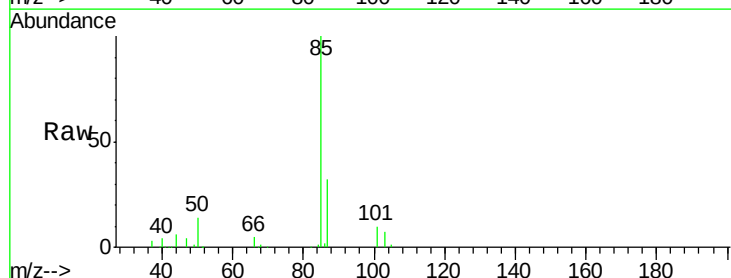
Acq: 08 Jan 2020 12:53

Tgt Ion: 85 Resp: 117879

Ion Ratio Lower Upper

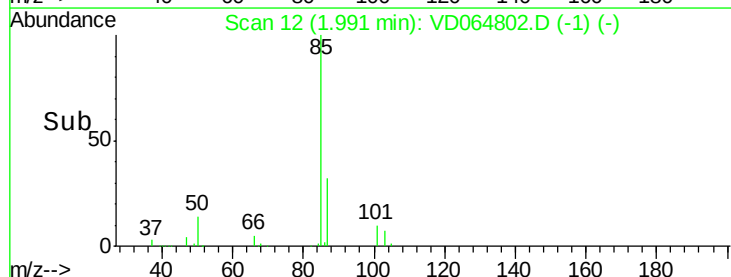
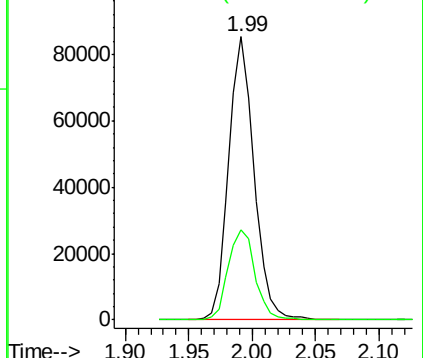
85 100

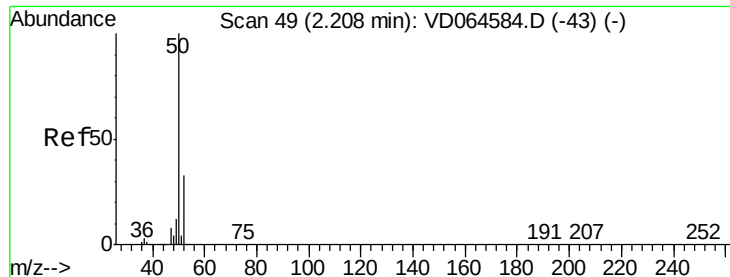
87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.555 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

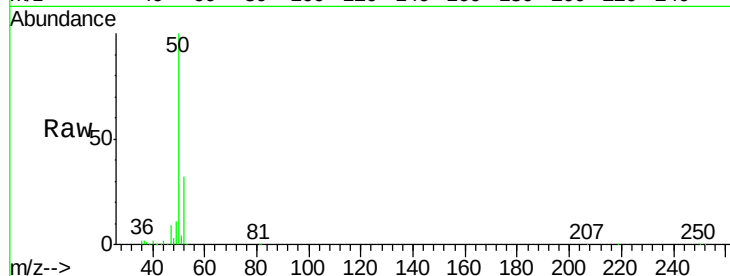
VSTD05006

Tgt Ion: 50 Resp: 185190

Ion Ratio Lower Upper

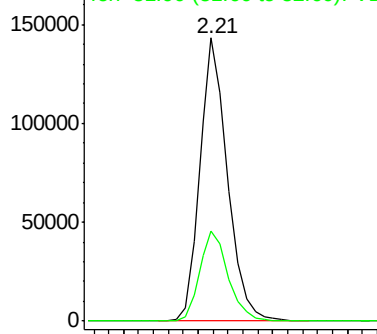
50 100

52 31.8 26.5 39.7

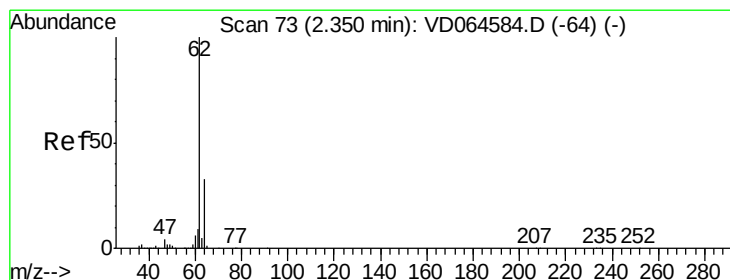
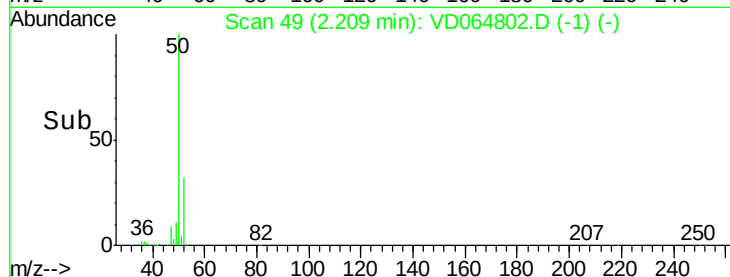


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 47.763 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064802.D

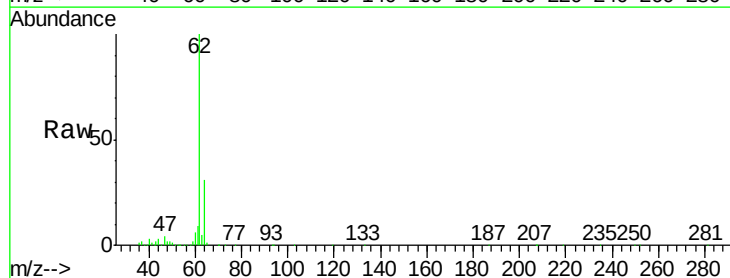
Acq: 08 Jan 2020 12:53

Tgt Ion: 62 Resp: 222111

Ion Ratio Lower Upper

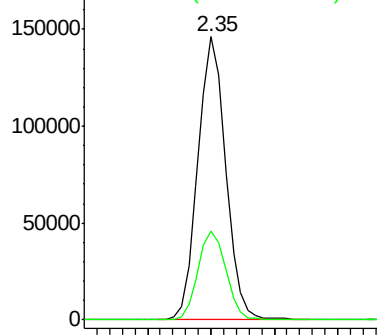
62 100

64 31.1 26.6 40.0

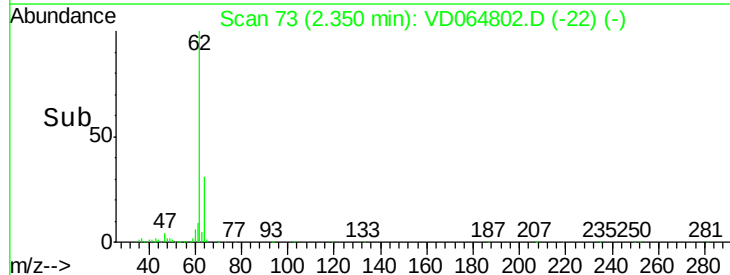


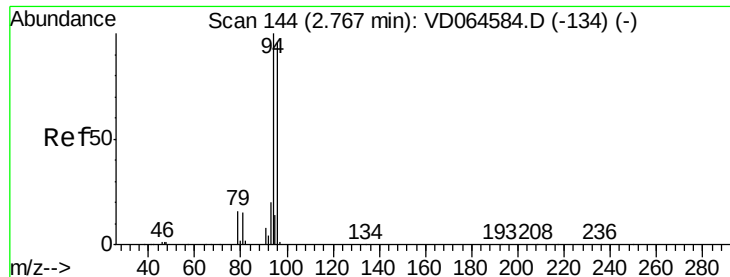
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 45.761 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

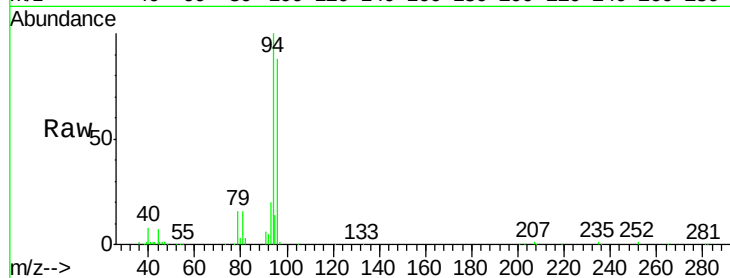
VSTD05006

Tgt Ion: 94 Resp: 154728

Ion Ratio Lower Upper

94 100

96 87.8 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

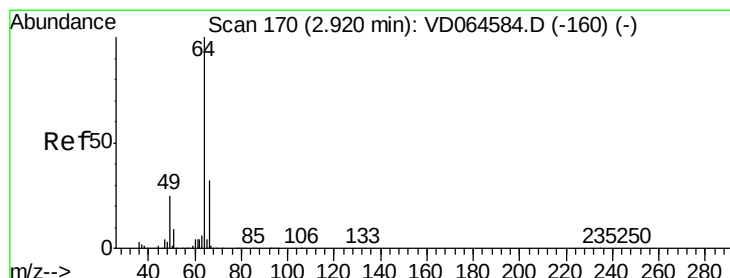
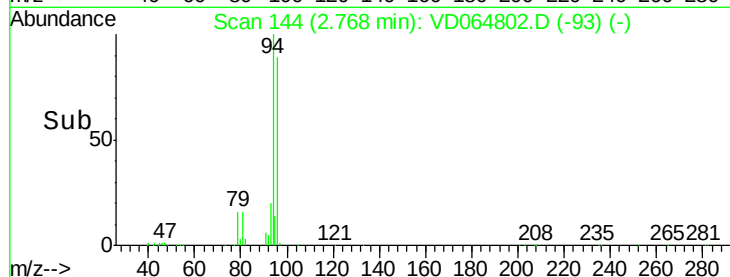
40000

20000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 48.413 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064802.D

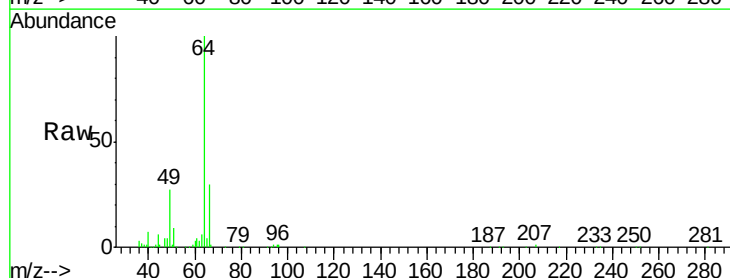
Acq: 08 Jan 2020 12:53

Tgt Ion: 64 Resp: 150853

Ion Ratio Lower Upper

64 100

66 30.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

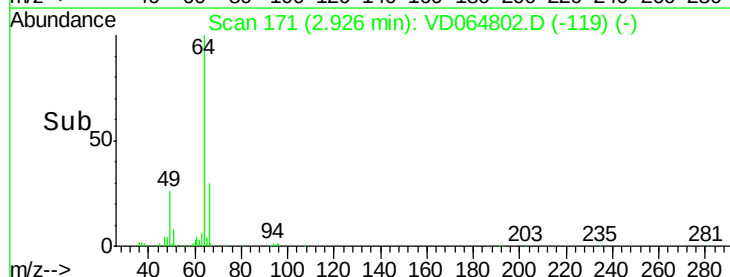
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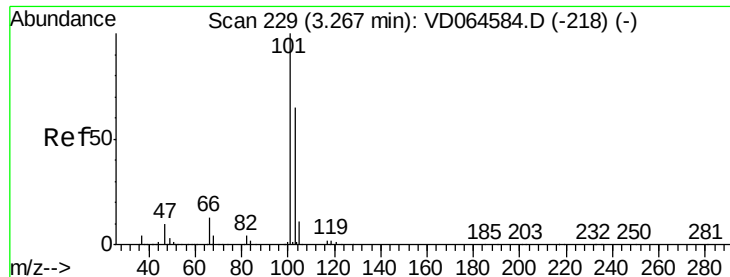
20000

0

Time-->

2.85 2.90 2.95 3.00



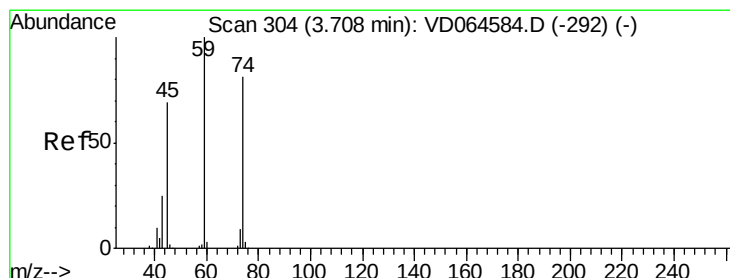
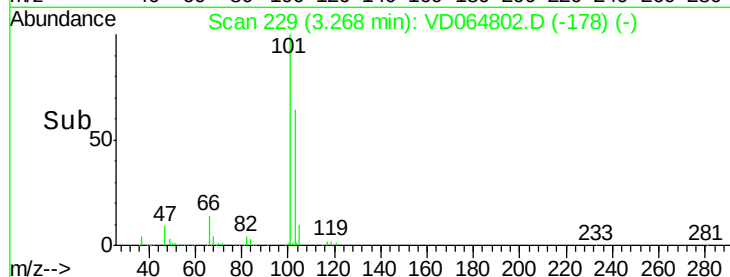
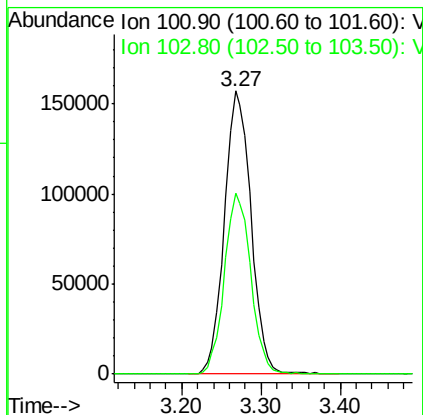
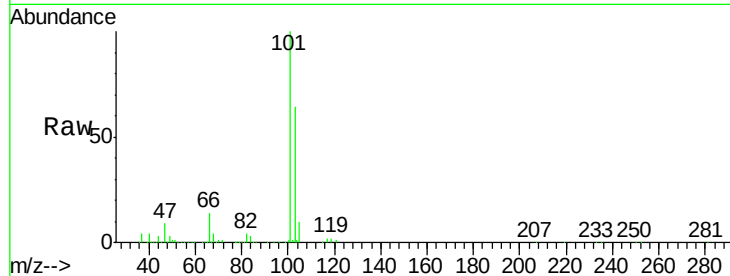


#7

Trichlorofluoromethane
 Concen: 46.658 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

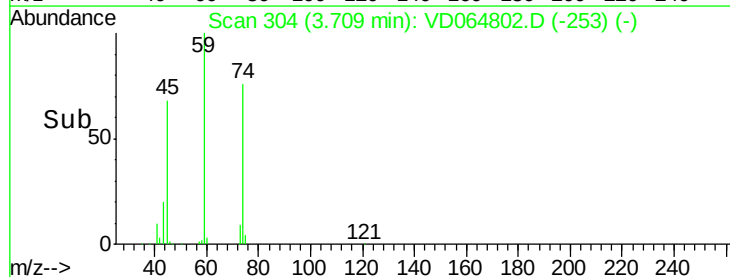
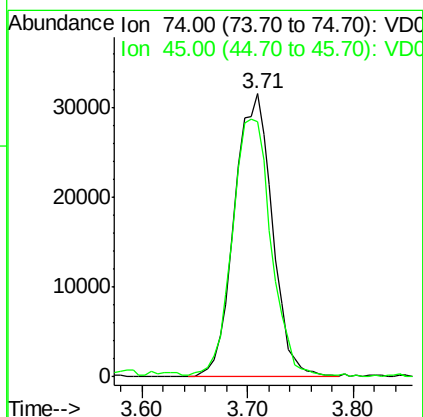
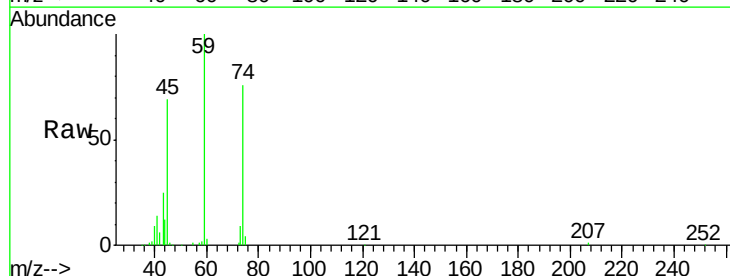
Tgt Ion: 101 Resp: 365338
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.4

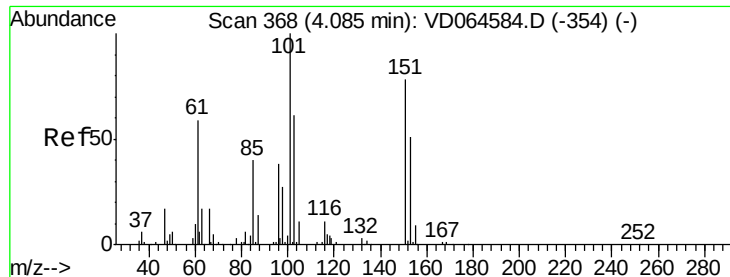


#8

Diethyl Ether
 Concen: 50.529 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 74 Resp: 78567
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

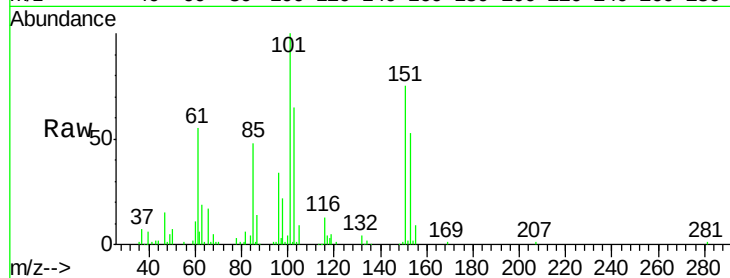
Tgt Ion:101 Resp: 157561

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

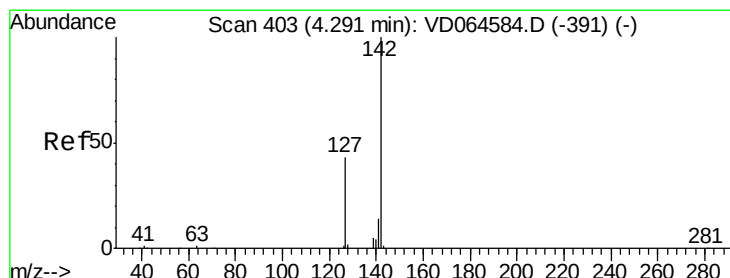
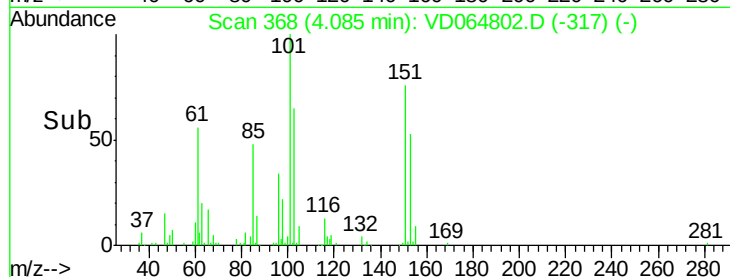
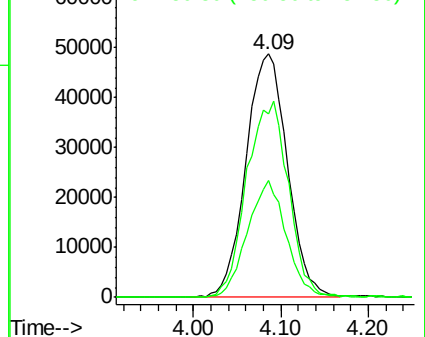
151 81.2 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.343 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

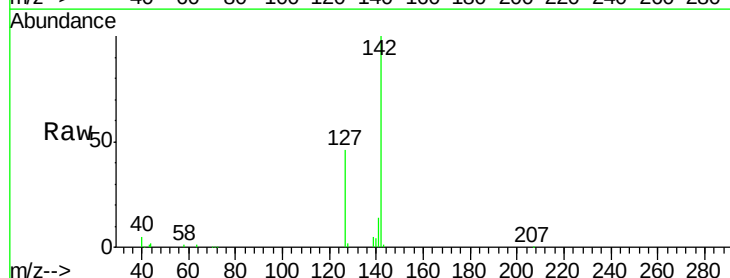
Tgt Ion:142 Resp: 185807

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

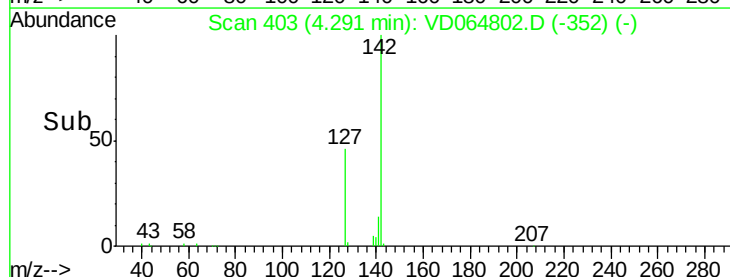
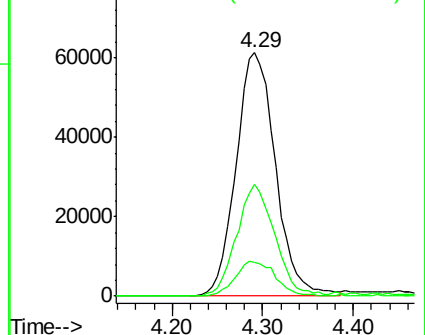
141 14.5 11.8 17.8

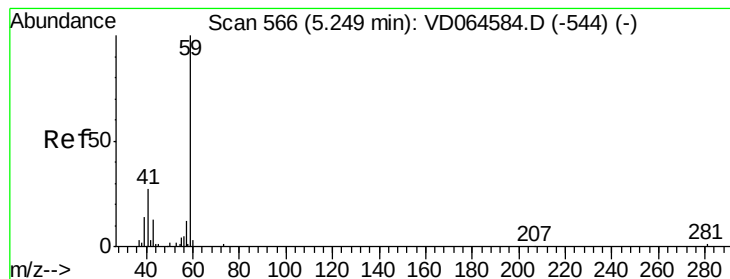


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



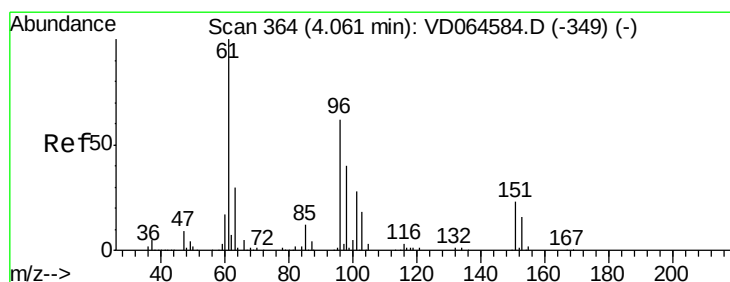
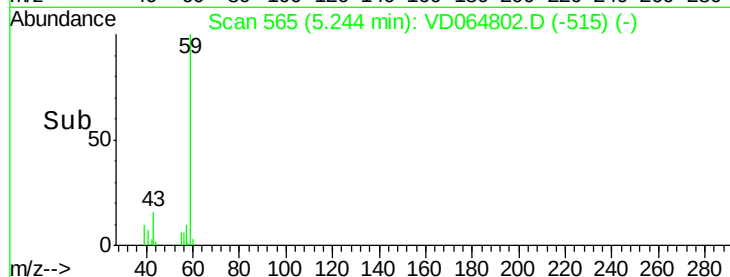
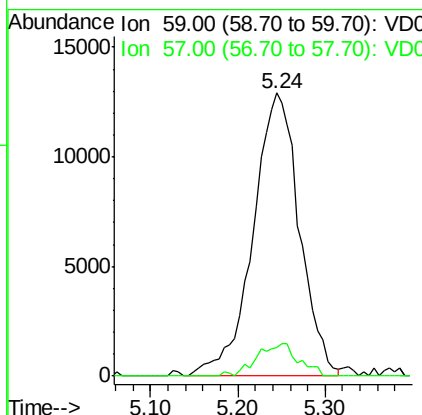
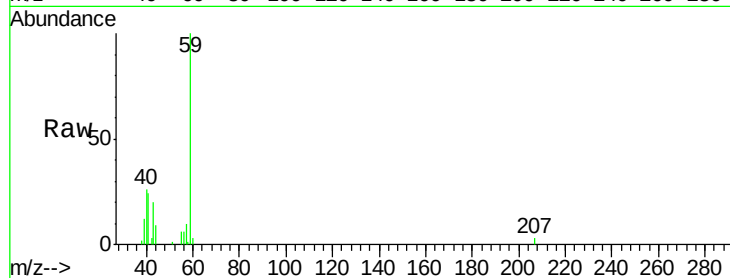


#11

Tert butyl alcohol
 Concen: 265.970 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTD05006

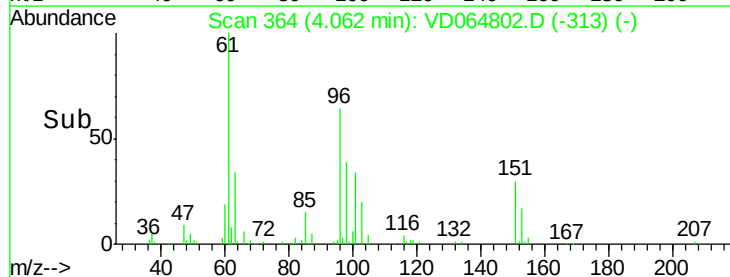
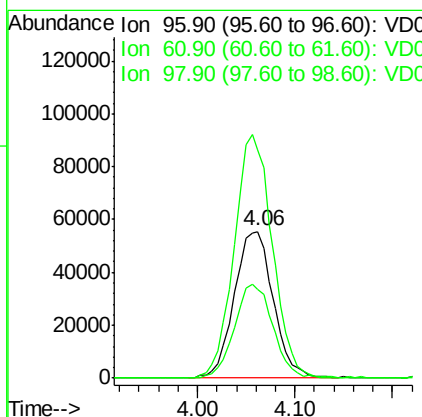
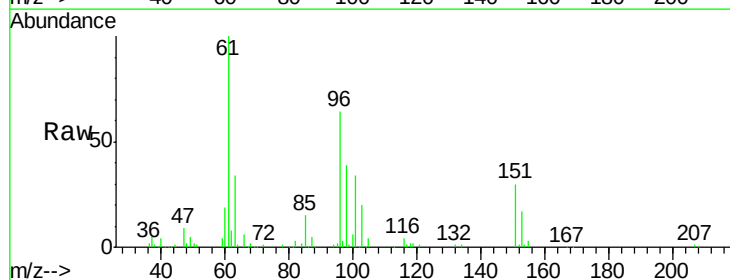
Tgt Ion: 59 Resp: 47166
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.3 13.9

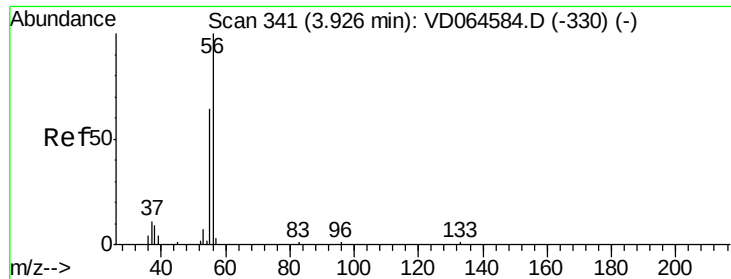


#12

1,1-Dichloroethene
 Concen: 49.723 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 96 Resp: 153507
 Ion Ratio Lower Upper
 96 100
 61 155.9 129.4 194.0
 98 60.6 51.4 77.0





#13

Acrolein

Concen: 235.405 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

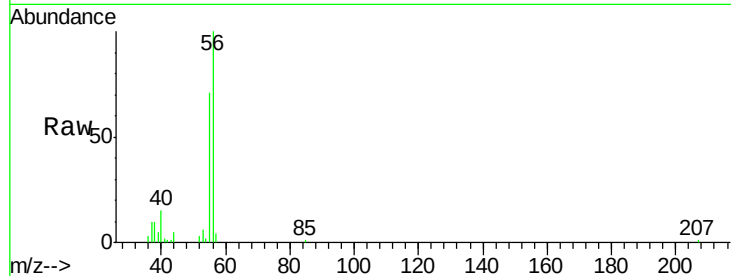
VSTD05006

Tgt Ion: 56 Resp: 58179

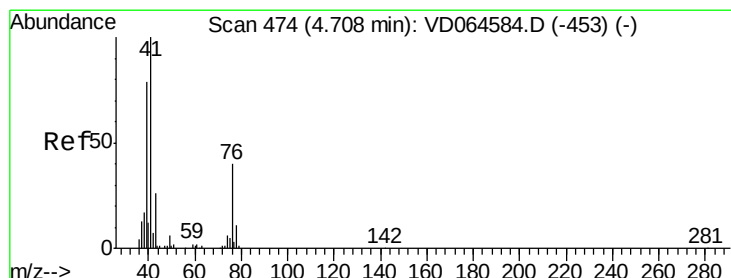
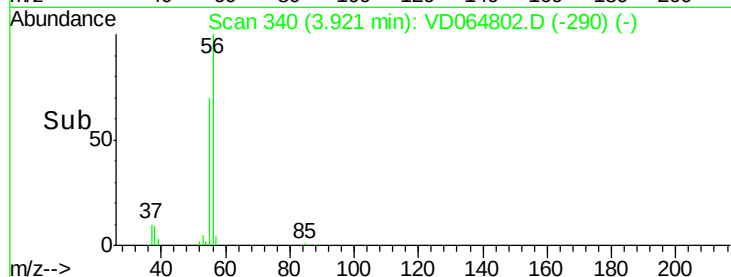
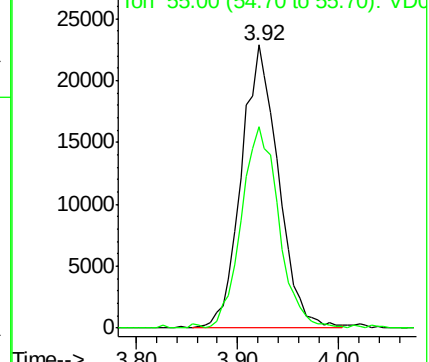
Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC



#14

Allyl chloride

Concen: 52.531 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

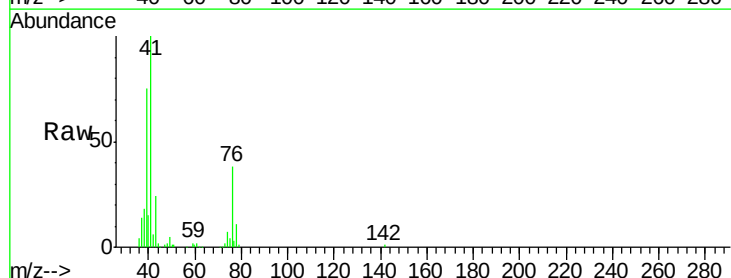
Tgt Ion: 41 Resp: 252856

Ion Ratio Lower Upper

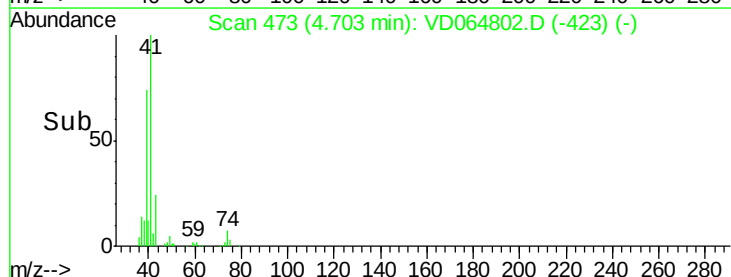
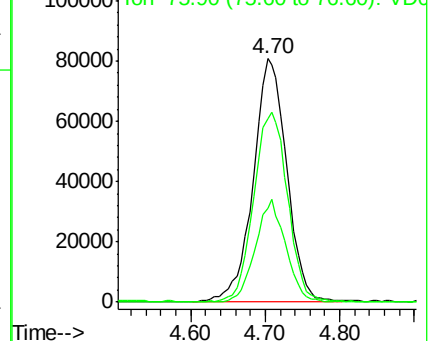
41 100

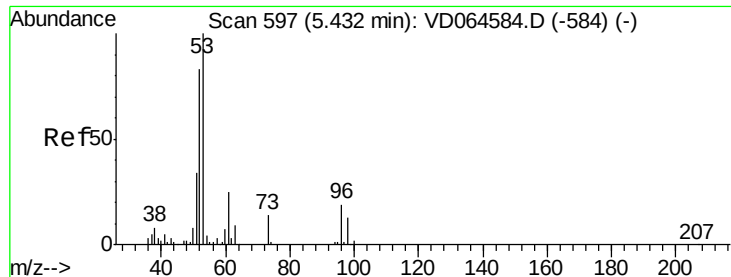
39 78.9 62.3 93.5

76 37.9 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC





#15

Acrylonitrile

Concen: 265.779 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

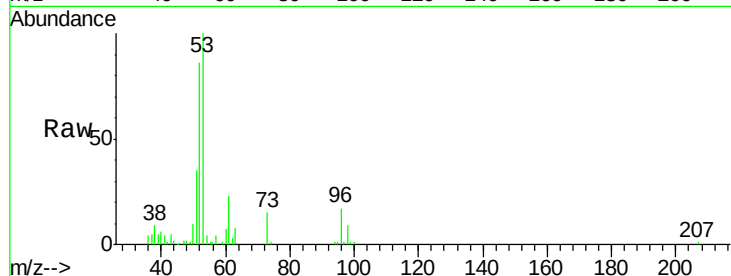
Tgt Ion: 53 Resp: 172135

Ion Ratio Lower Upper

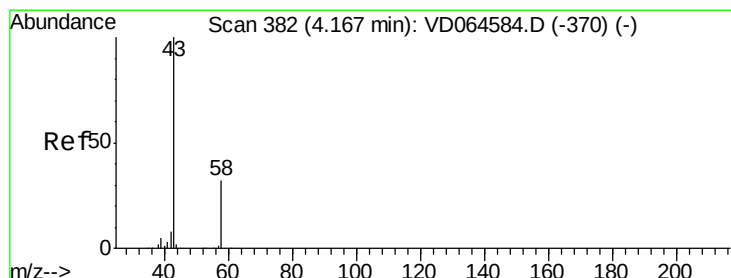
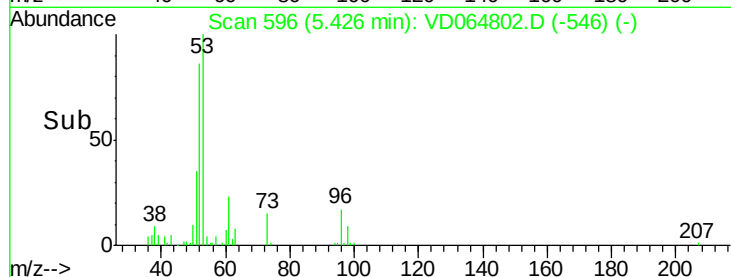
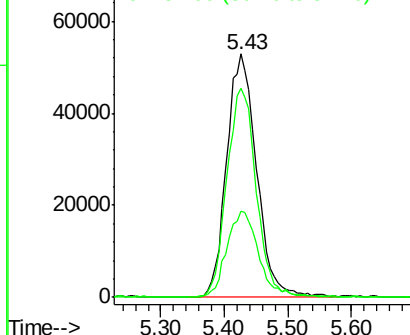
53 100

52 83.9 66.2 99.2

51 37.6 30.1 45.1



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



#16

Acetone

Concen: 321.782 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064802.D

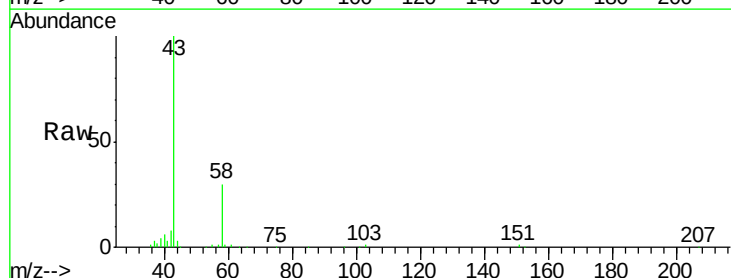
Acq: 08 Jan 2020 12:53

Tgt Ion: 43 Resp: 203012

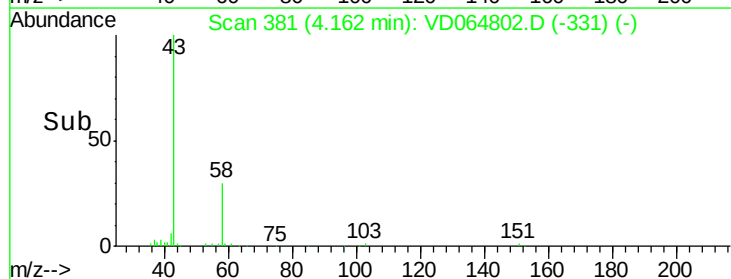
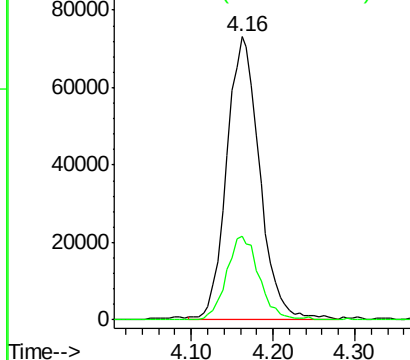
Ion Ratio Lower Upper

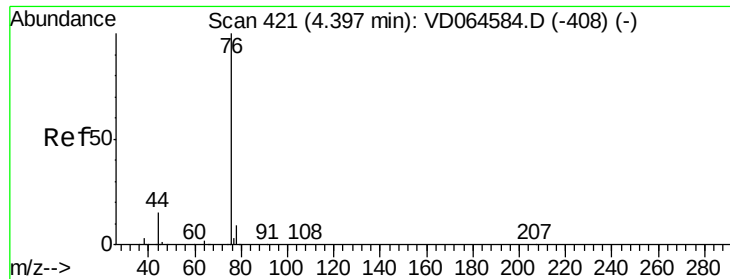
43 100

58 29.8 25.8 38.6



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





#17

Carbon Disulfide

Concen: 45.626 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

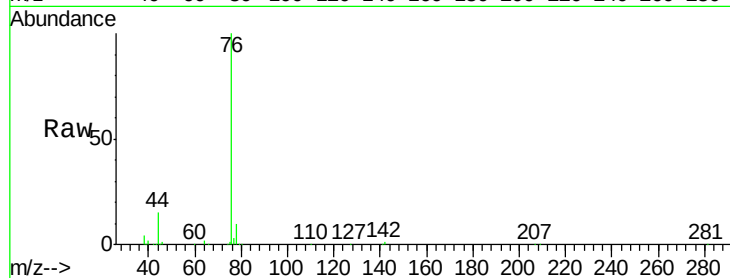
VSTD05006

Tgt Ion: 76 Resp: 455470

Ion Ratio Lower Upper

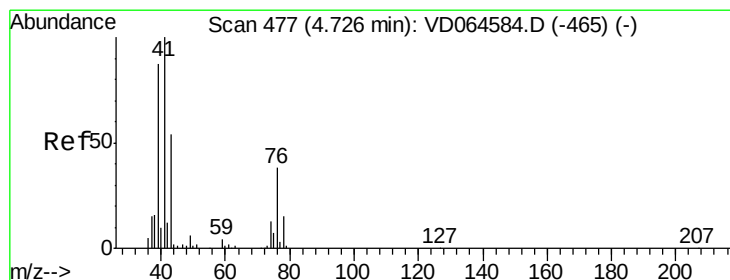
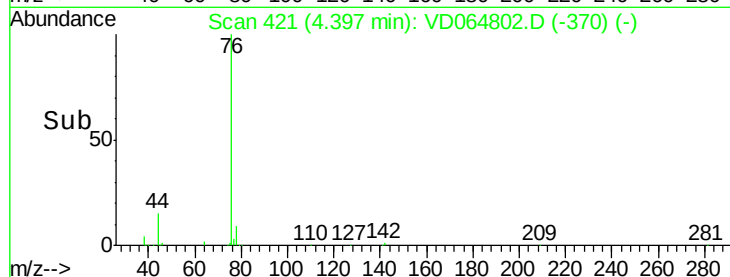
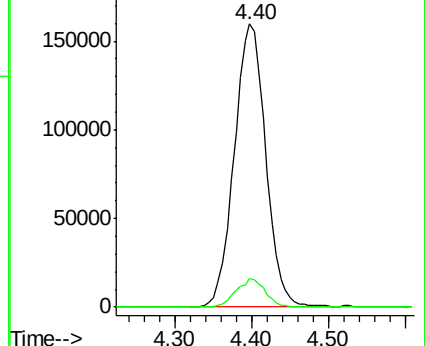
76 100

78 10.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 52.310 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064802.D

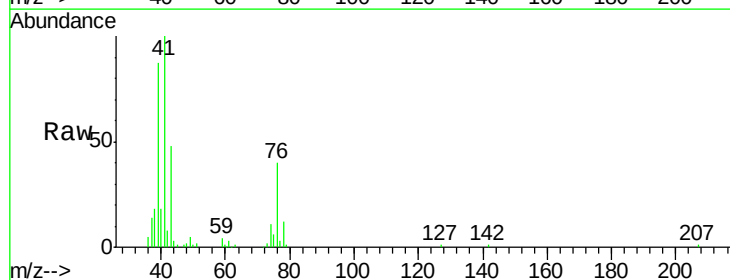
Acq: 08 Jan 2020 12:53

Tgt Ion: 43 Resp: 91127

Ion Ratio Lower Upper

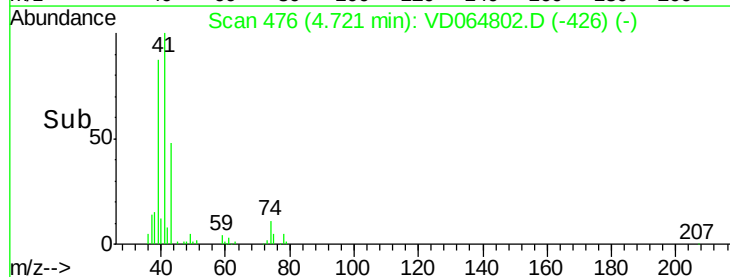
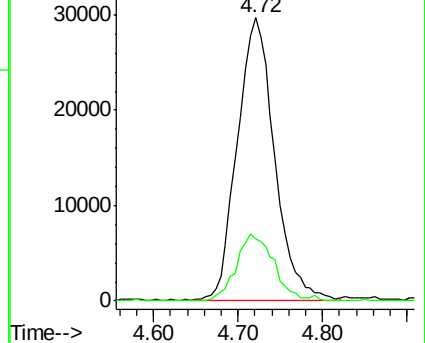
43 100

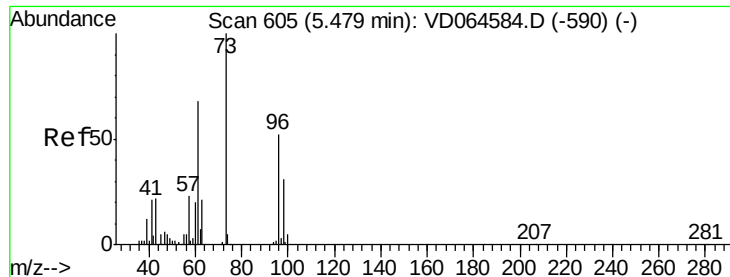
74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 53.973 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

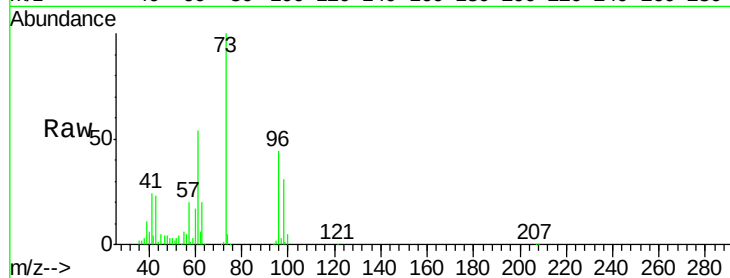
VSTD05006

Tgt Ion: 73 Resp: 370107

Ion Ratio Lower Upper

73 100

57 20.1 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

120000

100000

80000

60000

40000

20000

0

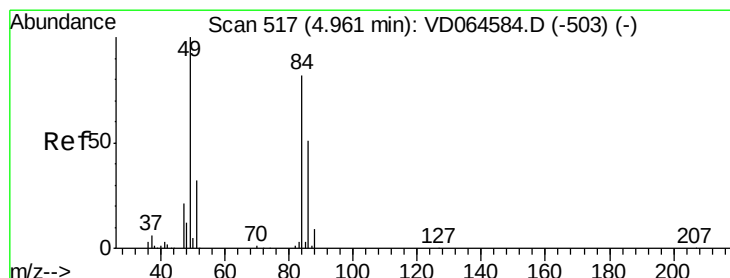
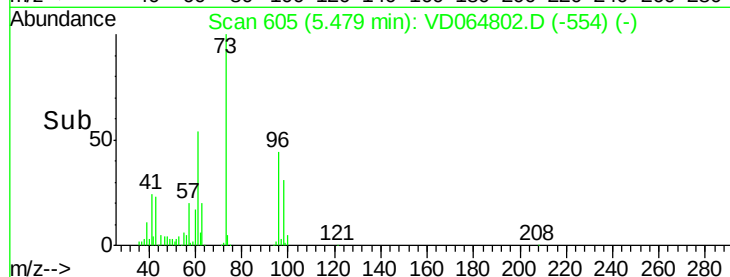
5.30

5.40

5.50

5.60

Time-->



#20

Methylene Chloride

Concen: 57.064 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Tgt Ion: 84 Resp: 178401

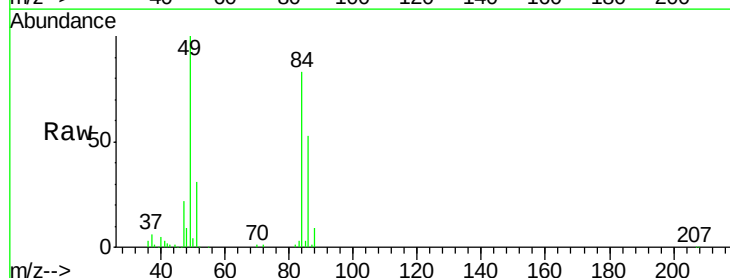
Ion Ratio Lower Upper

84 100

49 121.2 97.2 145.8

51 36.9 31.4 47.0

86 64.8 49.3 73.9



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

100000

80000

60000

40000

20000

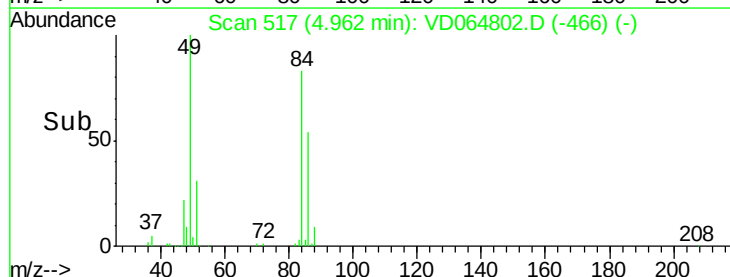
0

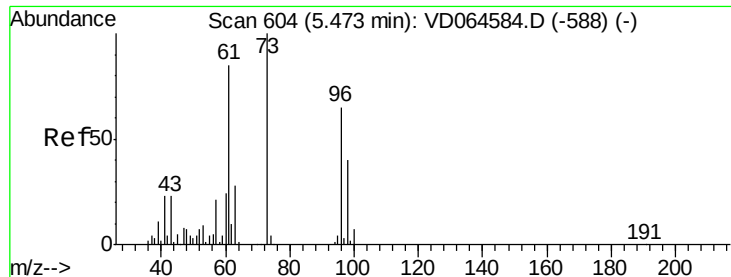
4.80

4.90

5.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 51.375 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

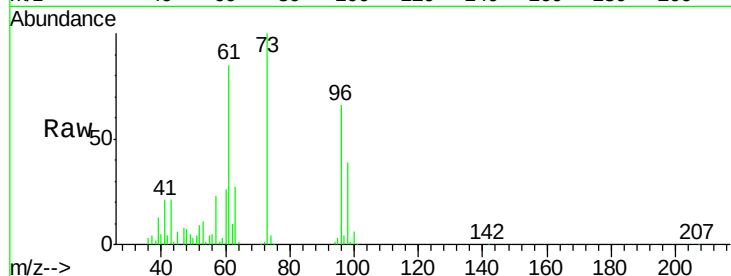
Tgt Ion: 96 Resp: 180630

Ion Ratio Lower Upper

96 100

61 128.8 104.7 157.1

98 59.8 49.4 74.2

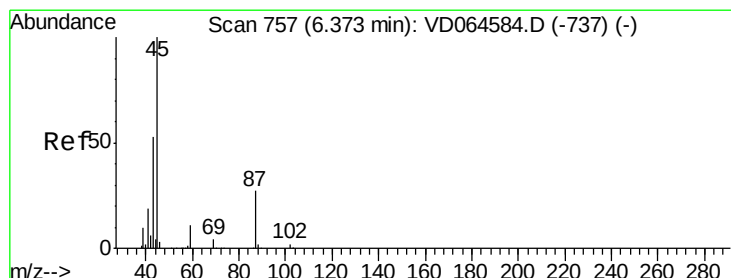
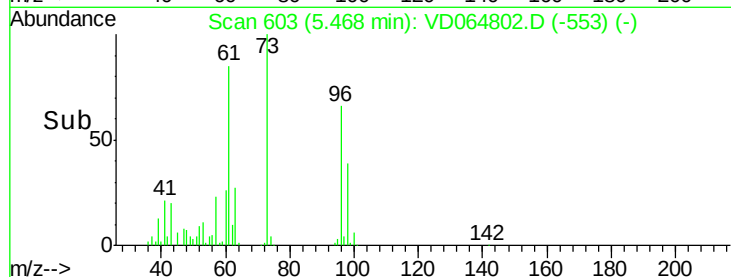
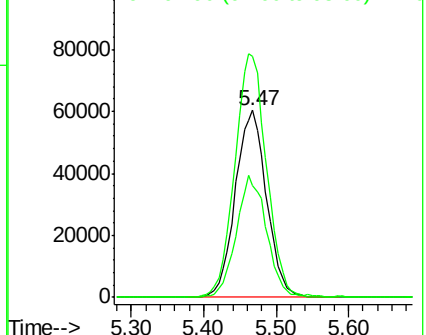


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.078 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Tgt Ion: 45 Resp: 519197

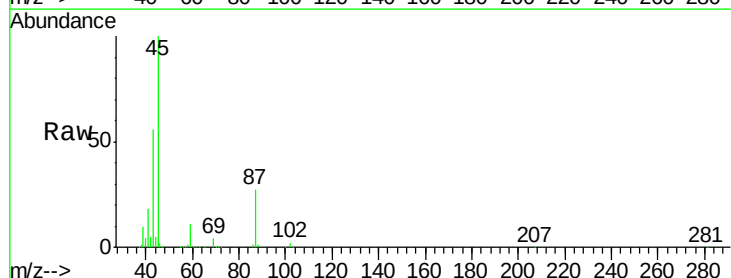
Ion Ratio Lower Upper

45 100

43 56.0 43.2 64.8

87 26.6 21.9 32.9

59 11.3 9.0 13.4



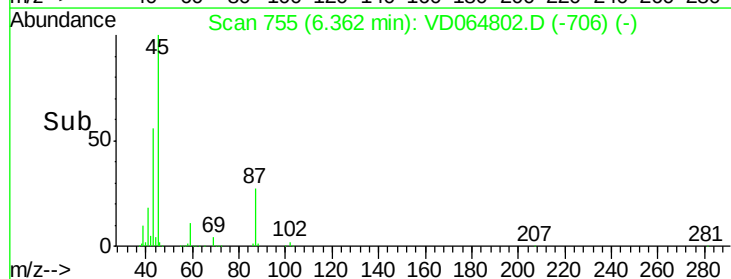
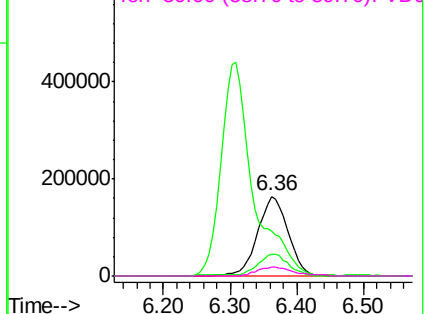
Abundance

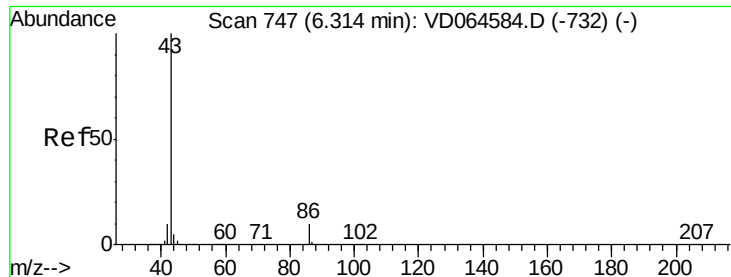
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 273.989 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

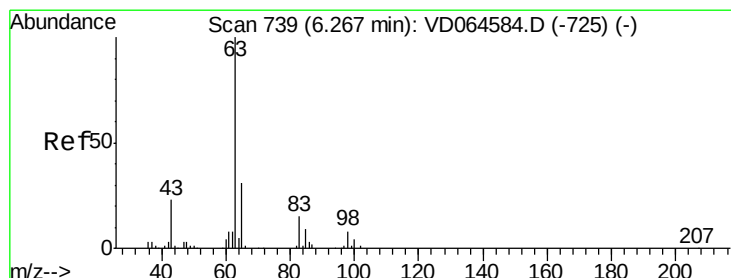
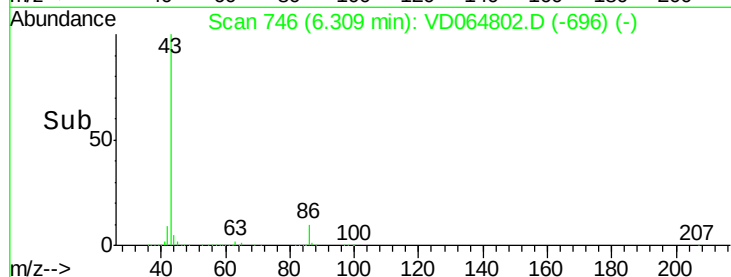
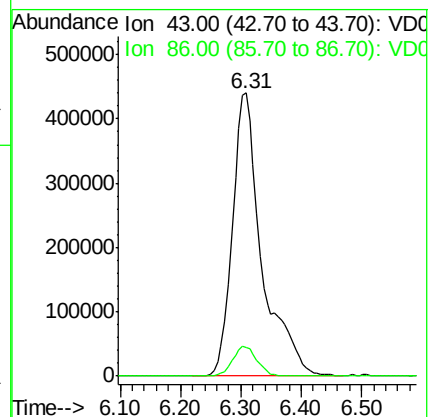
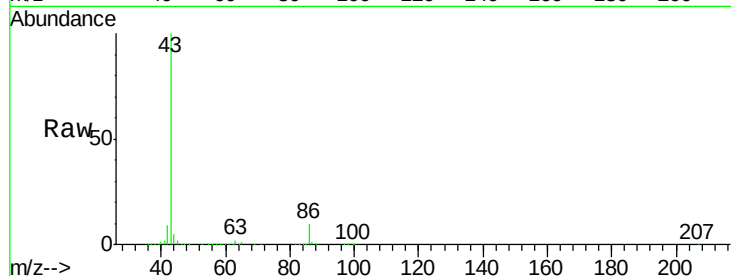
VSTD05006

Tgt Ion: 43 Resp: 1492195

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



#24

1,1-Dichloroethane

Concen: 53.633 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

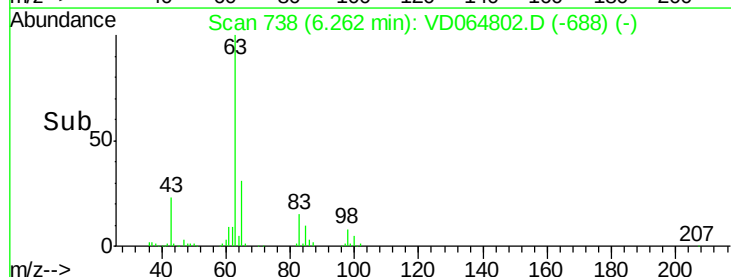
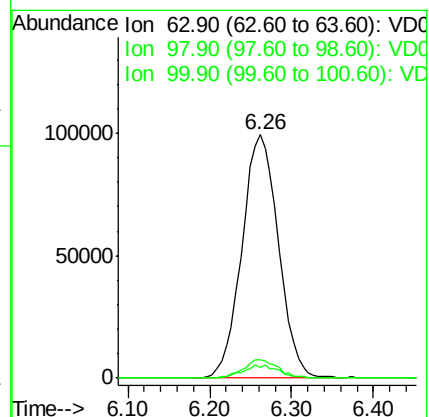
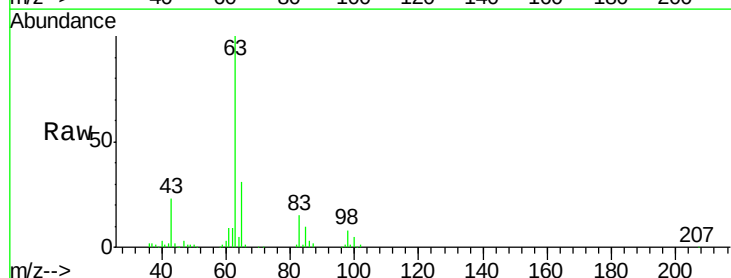
Tgt Ion: 63 Resp: 309126

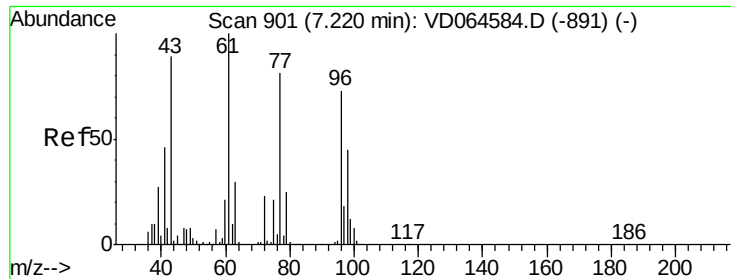
Ion Ratio Lower Upper

63 100

98 7.6 4.1 12.3

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 275.019 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

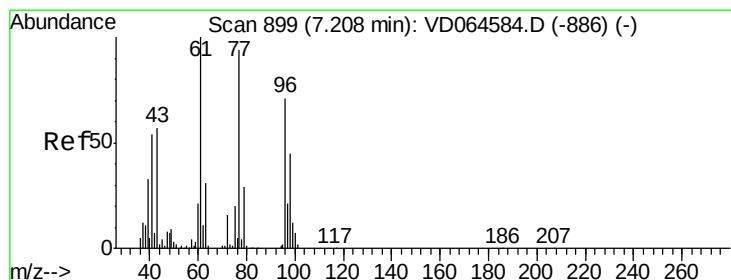
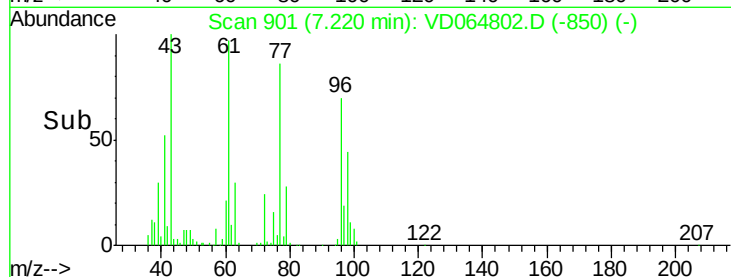
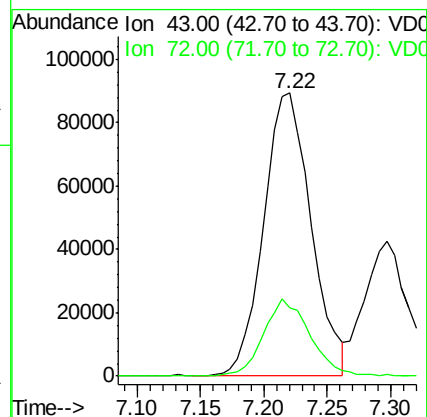
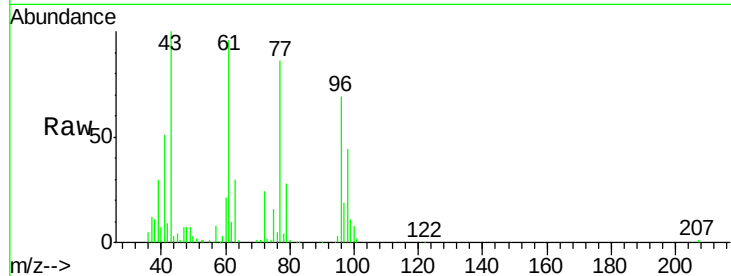
VSTD05006

Tgt Ion: 43 Resp: 233917

Ion Ratio Lower Upper

43 100

72 24.1 20.7 31.1



#26

2,2-Dichloropropane

Concen: 53.644 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064802.D

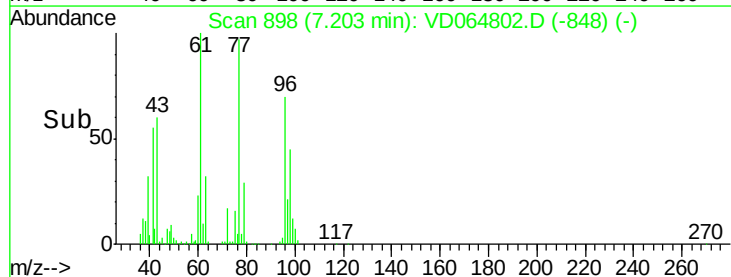
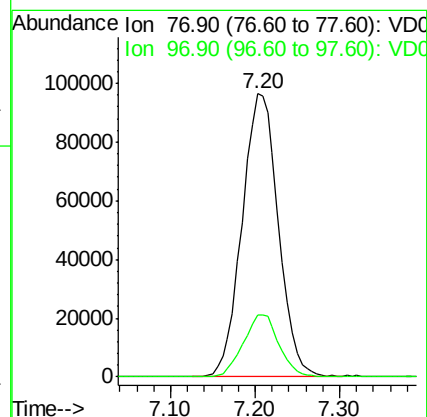
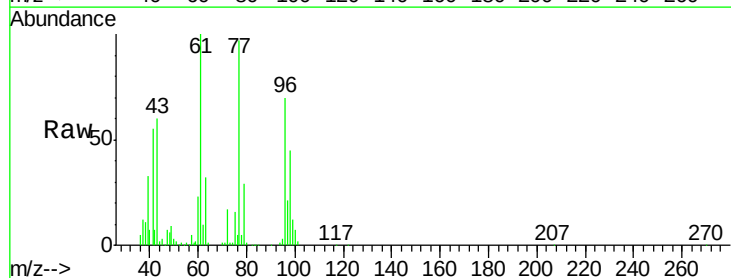
Acq: 08 Jan 2020 12:53

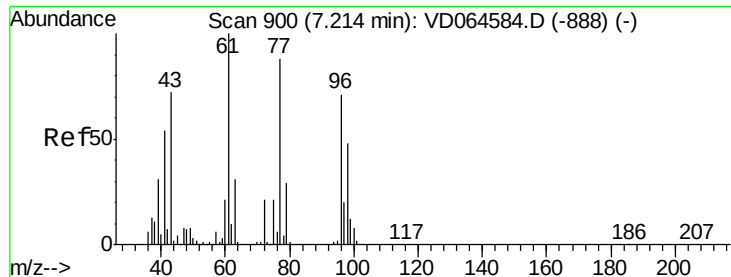
Tgt Ion: 77 Resp: 287467

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.6



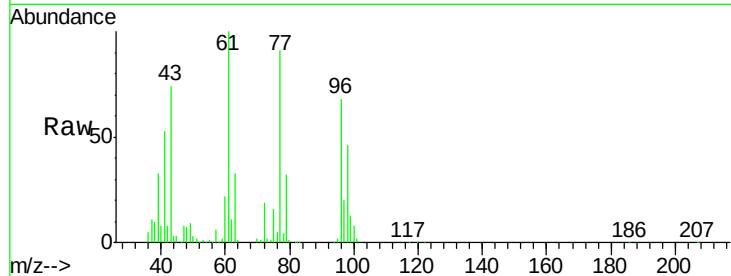


#27

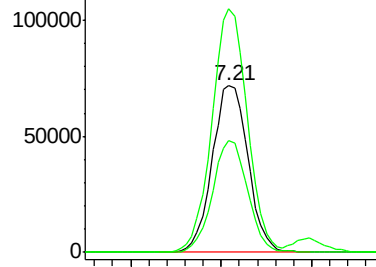
cis-1,2-Dichloroethene
 Concen: 52.082 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

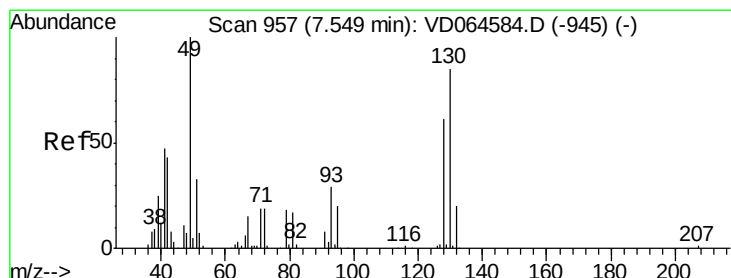
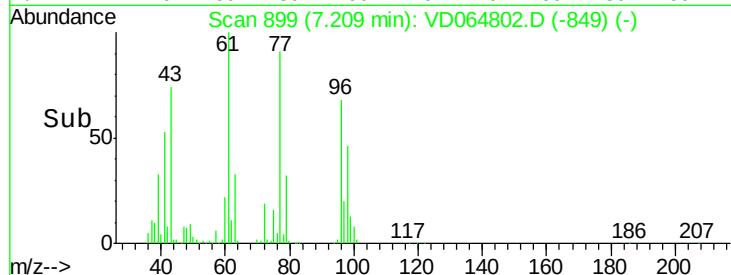
Tgt Ion: 96 Resp: 197624
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 282.6
 98 65.4 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



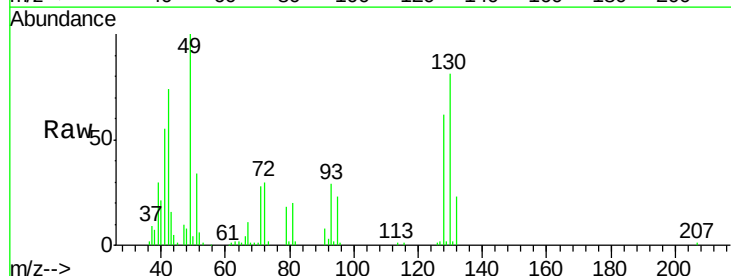
Time-->



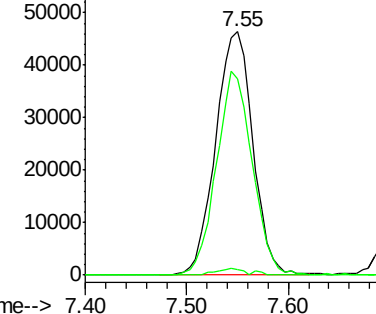
#28

Bromochloromethane
 Concen: 52.838 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

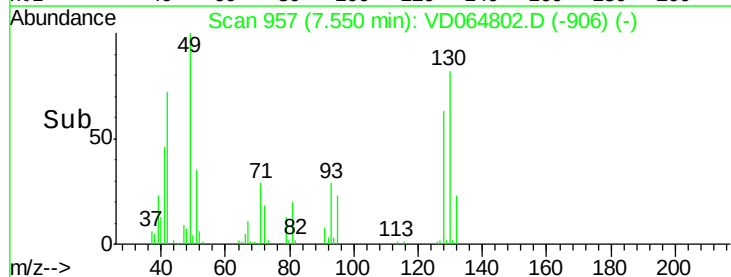
Tgt Ion: 49 Resp: 118385
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 80.5 65.0 97.6

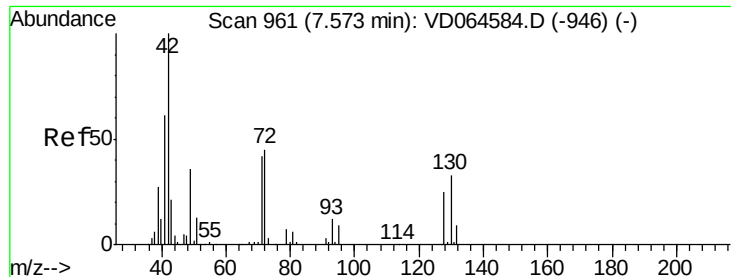


Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC



Time-->

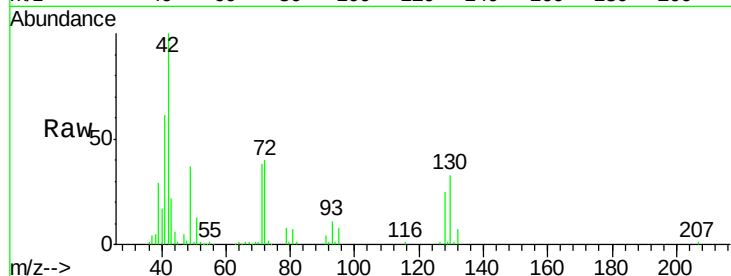




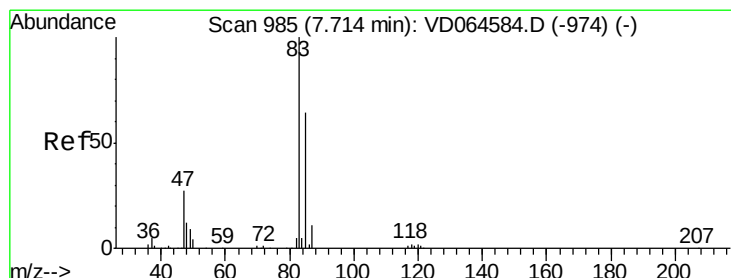
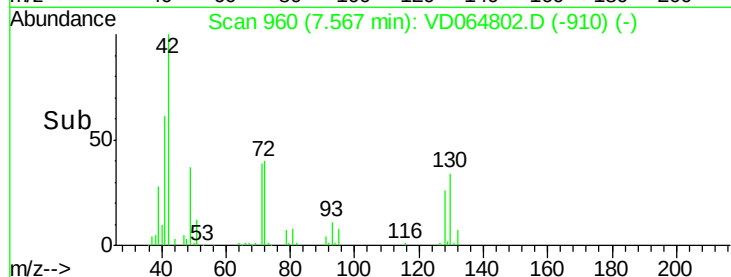
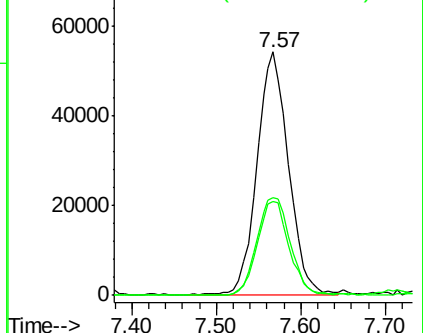
#29
Tetrahydrofuran
Concen: 267.080 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 42 Resp: 141268
Ion Ratio Lower Upper
42 100
72 42.4 35.0 52.4
71 38.9 32.9 49.3

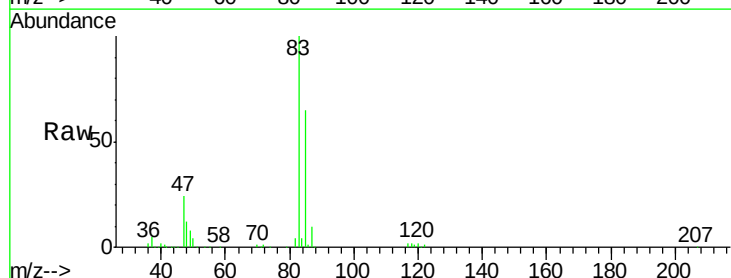


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

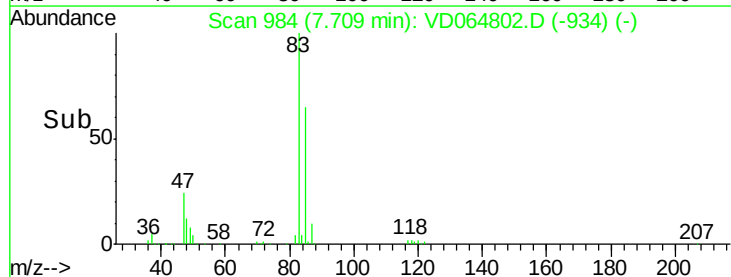
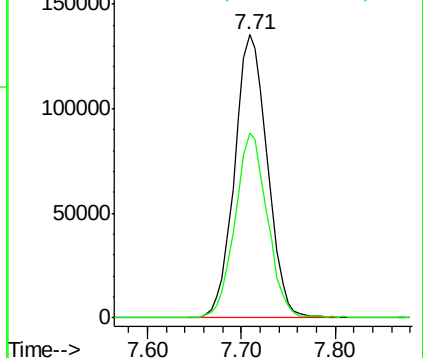


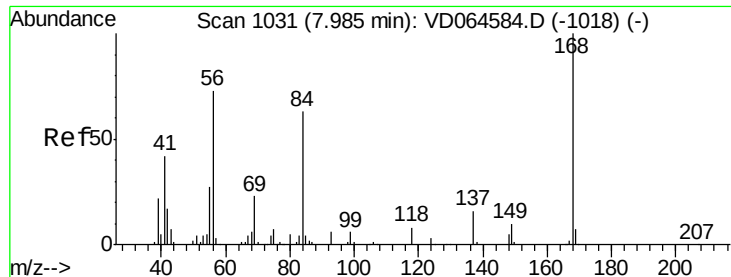
#30
Chloroform
Concen: 54.084 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 83 Resp: 327052
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7



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

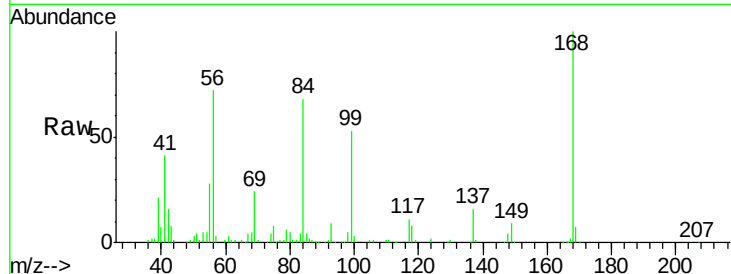




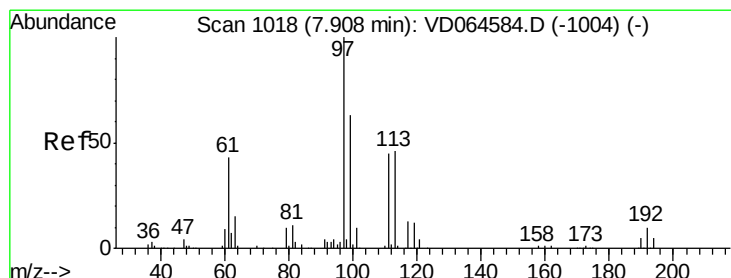
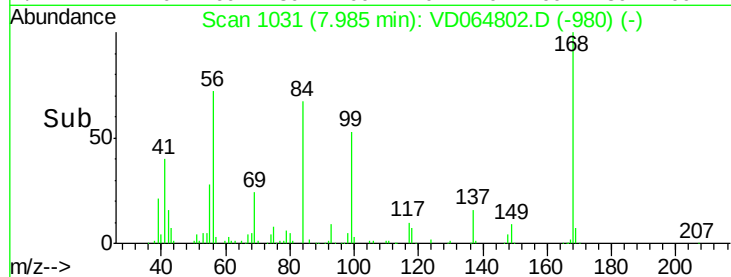
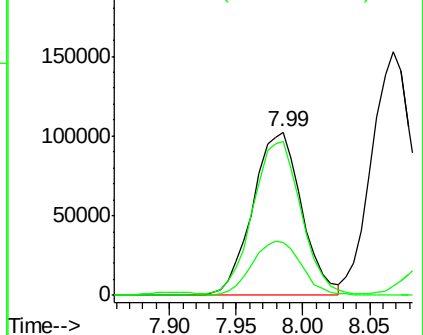
#31
Cyclohexane
Concen: 45.144 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 56 Resp: 260459
Ion Ratio Lower Upper
56 100
69 32.6 24.7 37.1
84 92.4 69.4 104.2

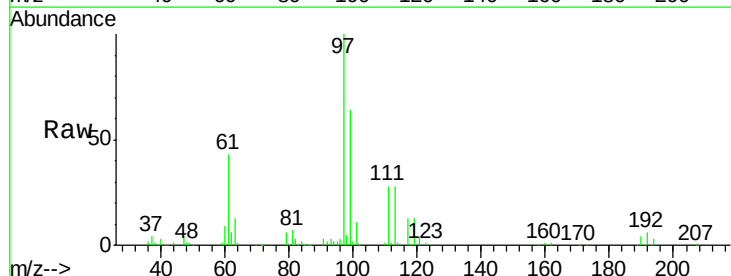


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

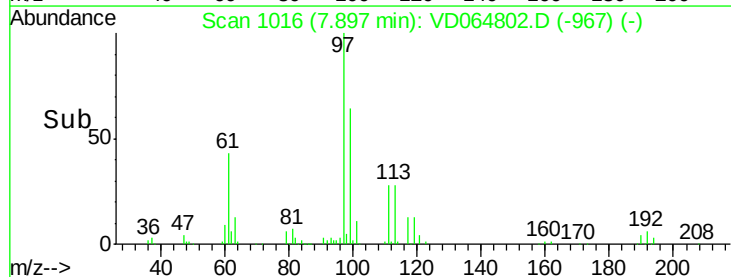
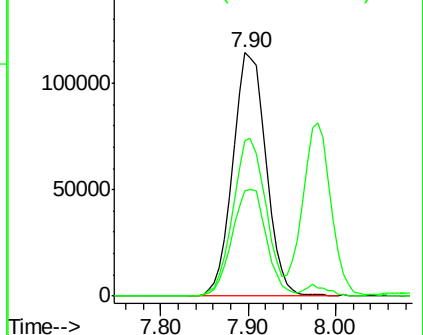


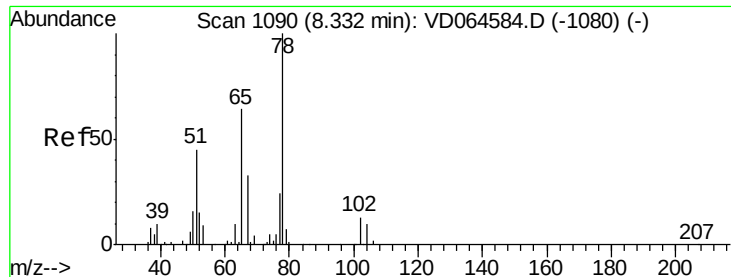
#32
1,1,1-Trichloroethane
Concen: 51.902 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 97 Resp: 294796
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 45.3 35.4 53.0



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

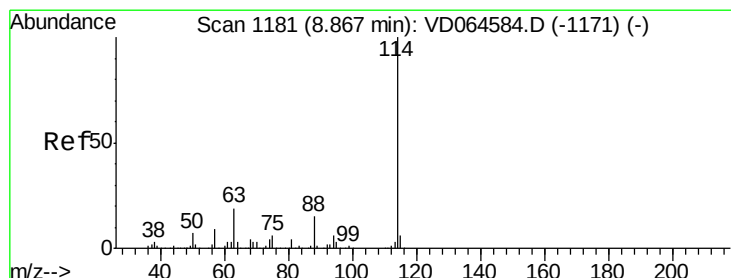
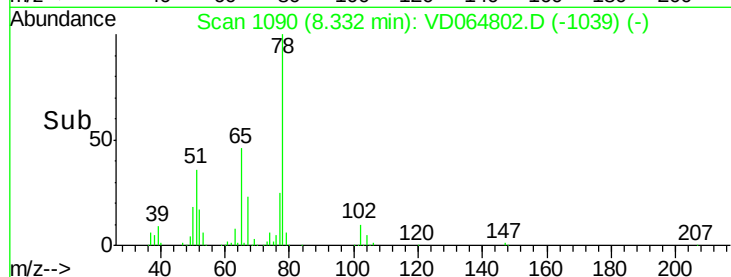
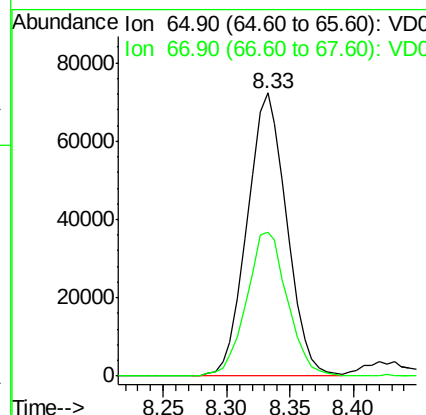
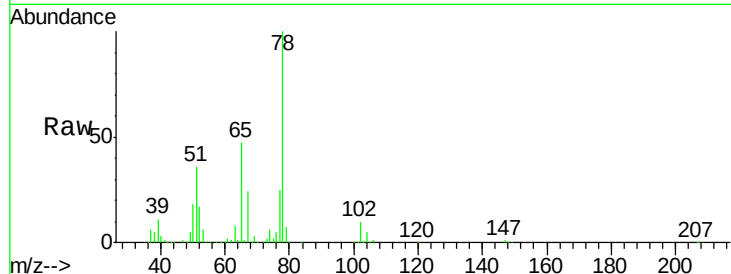




#33
 1,2-Dichloroethane-d4
 Concen: 50.761 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

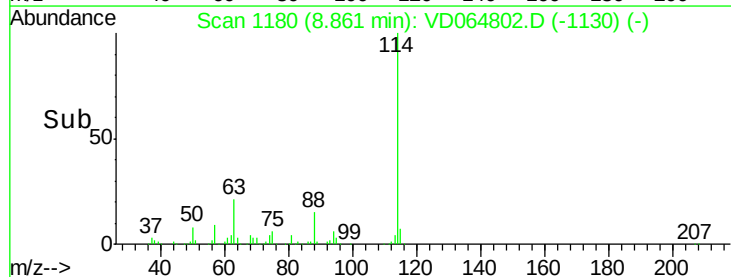
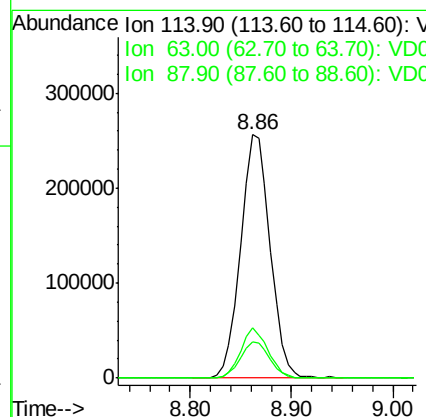
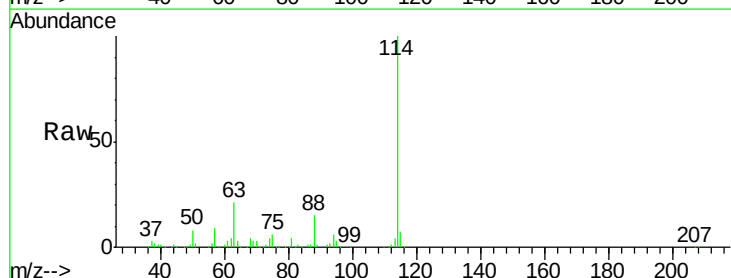
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

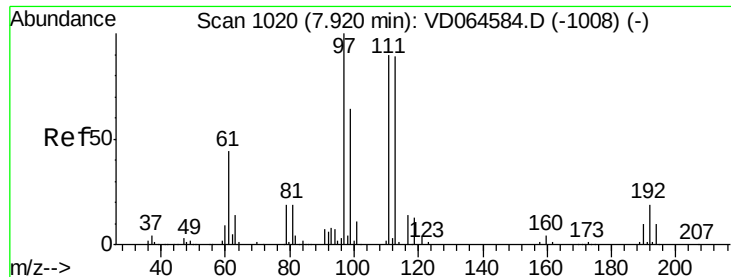
Tgt Ion: 65 Resp: 157071
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 114 Resp: 517908
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.0
 88 14.9 0.0 29.2

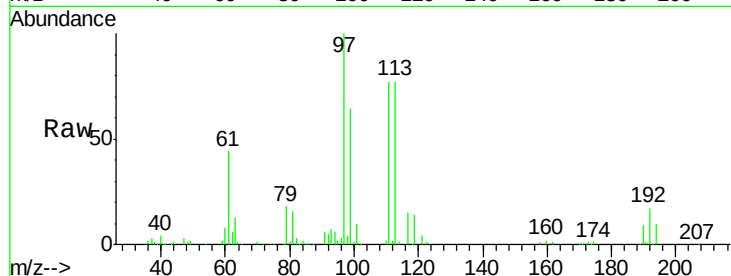




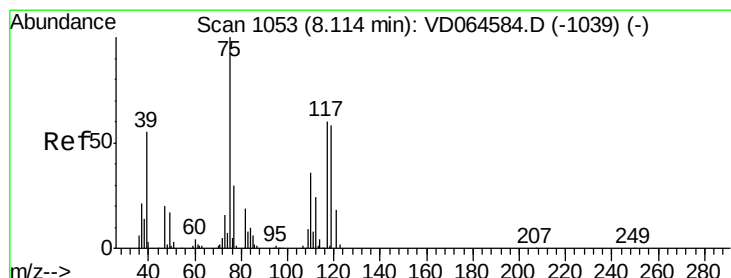
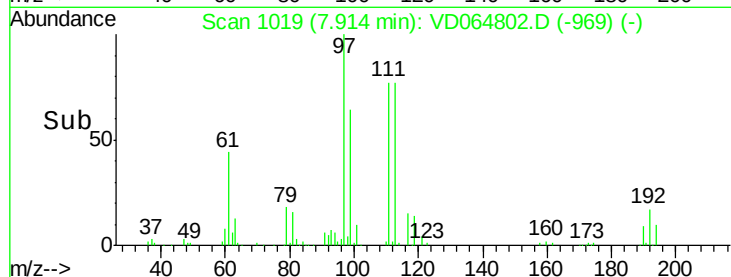
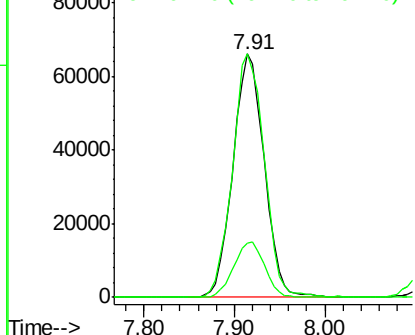
#35
 Dibromofluoromethane
 Concen: 49.856 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.6	121.0
192	22.4	17.9	26.9

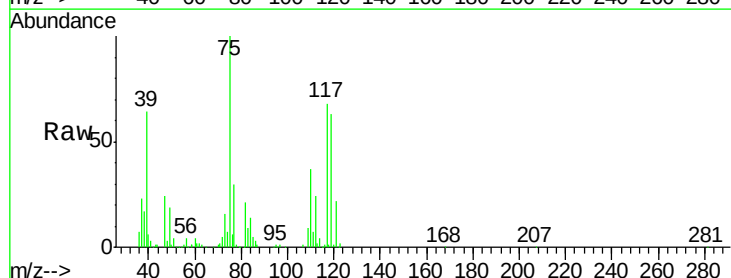


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

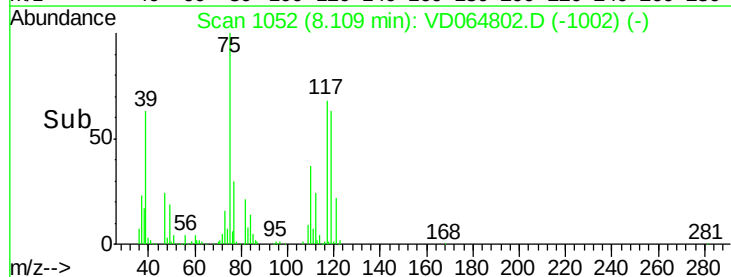
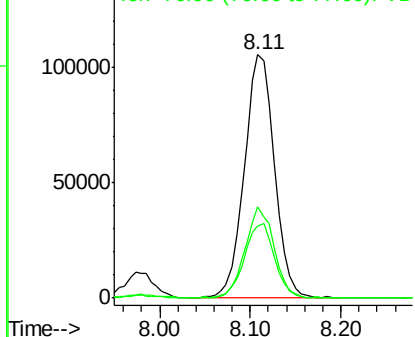


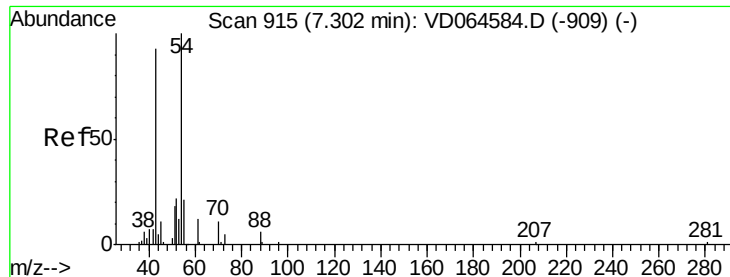
#36
 1,1-Dichloropropene
 Concen: 48.673 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.1	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

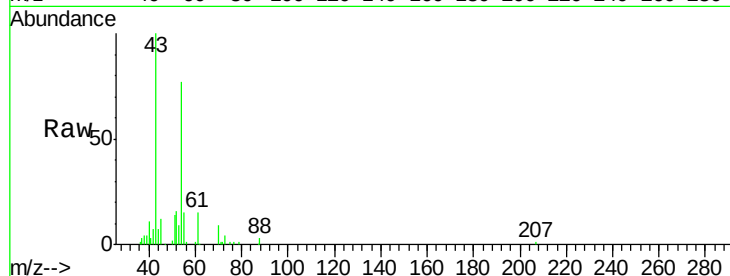




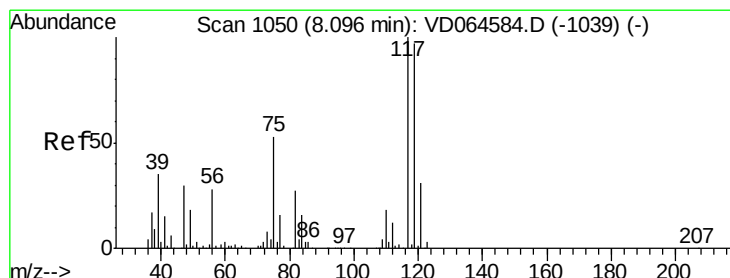
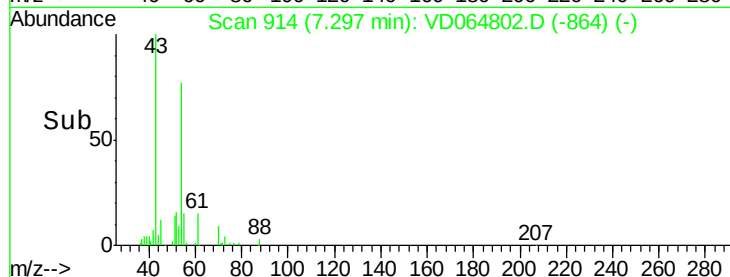
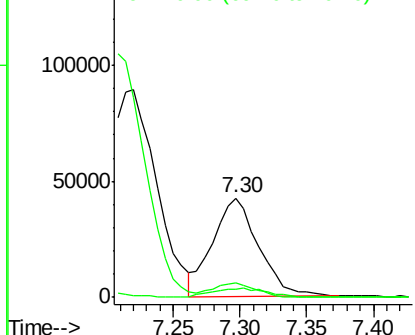
#37
Ethyl Acetate
Concen: 51.405 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 43 Resp: 100666
Ion Ratio Lower Upper
43 100
61 14.7 10.3 15.5
70 10.3 7.6 11.4

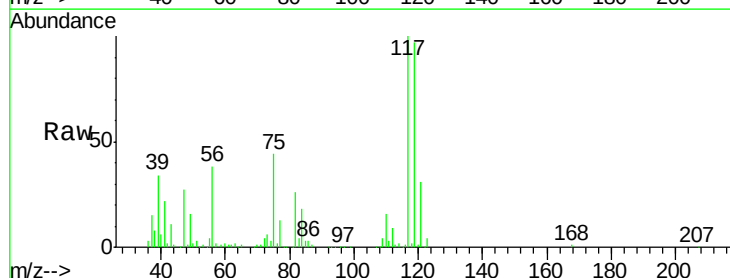


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

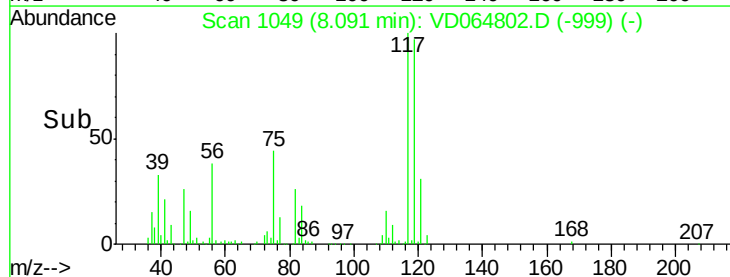
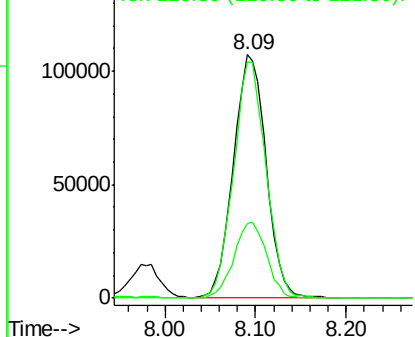


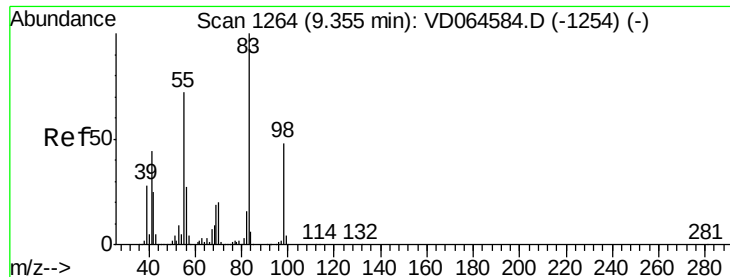
#38
Carbon Tetrachloride
Concen: 50.455 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 117 Resp: 268187
Ion Ratio Lower Upper
117 100
119 97.3 77.3 115.9
121 30.6 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

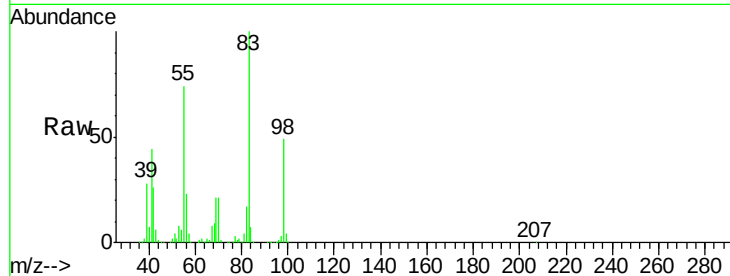




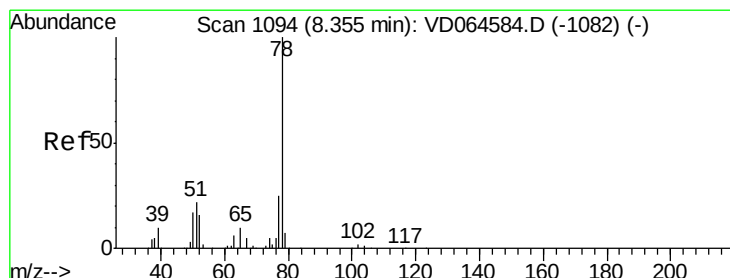
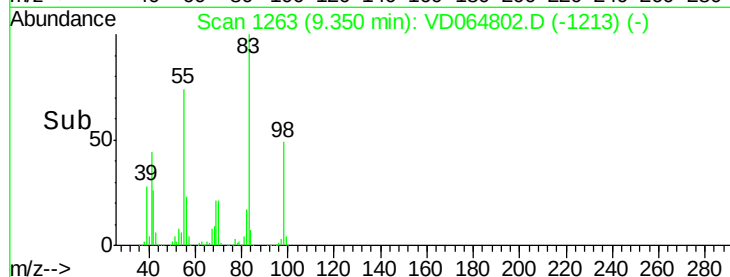
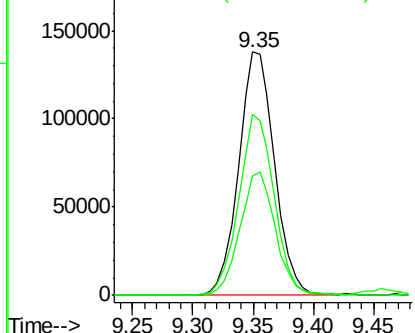
#39
Methylcyclohexane
Concen: 47.306 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion: 83 Resp: 285612
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 48.9 38.7 58.1

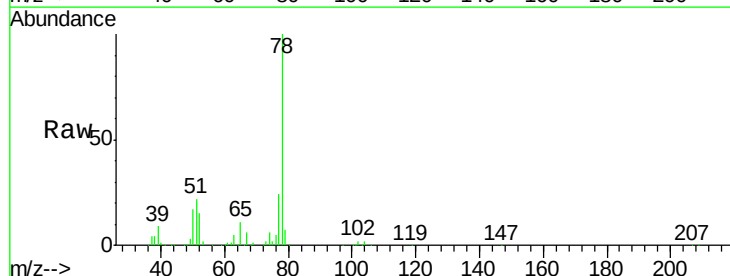


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

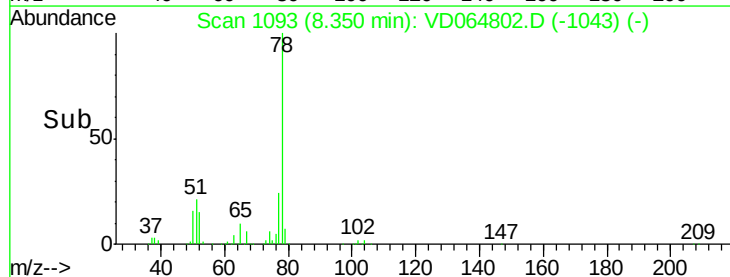
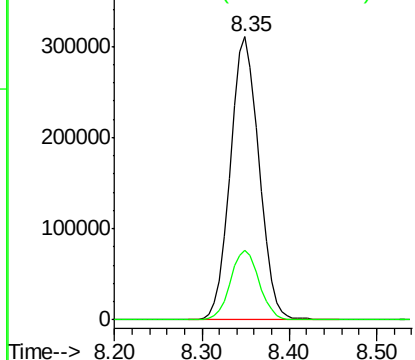


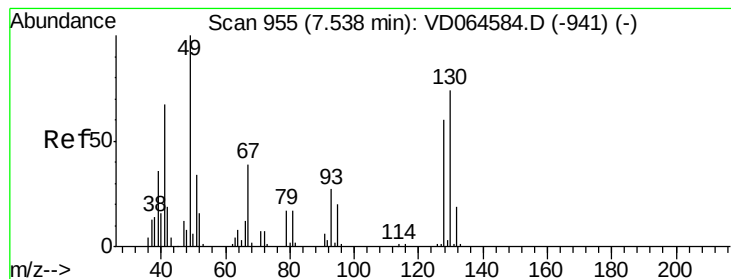
#40
Benzene
Concen: 50.842 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 78 Resp: 691860
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 40.787 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tgt Ion: 41 Resp: 46343

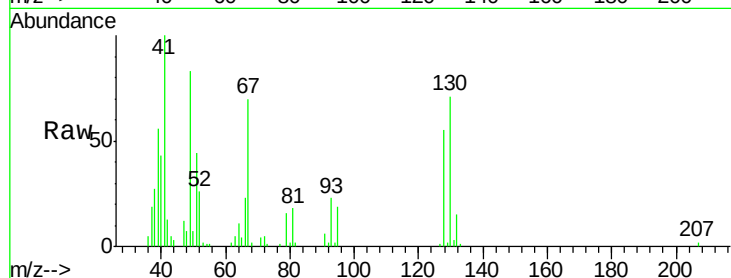
Ion Ratio Lower Upper

41 100

39 76.6 46.7 70.1#

67 94.2 52.5 78.7#

52 40.5 24.1 36.1#

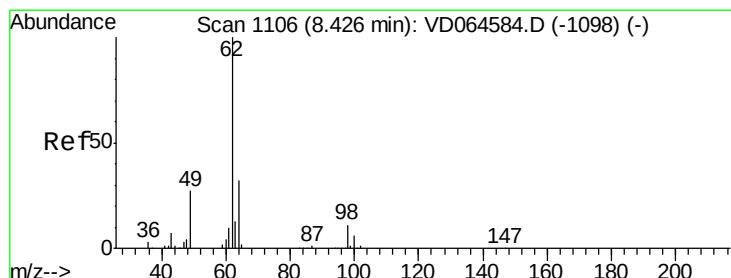
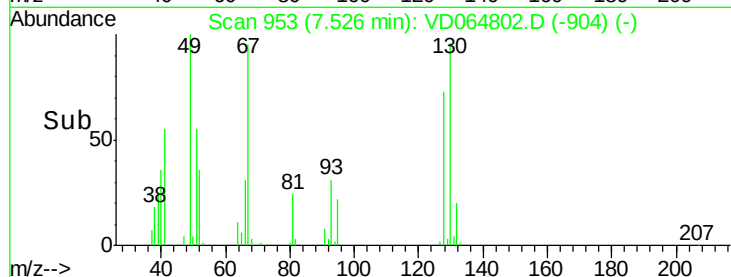
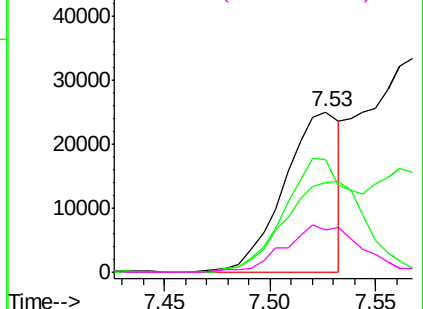


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.421 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD064802.D

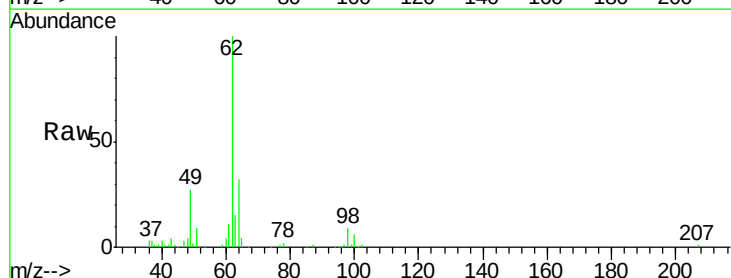
Acq: 08 Jan 2020 12:53

Tgt Ion: 62 Resp: 206140

Ion Ratio Lower Upper

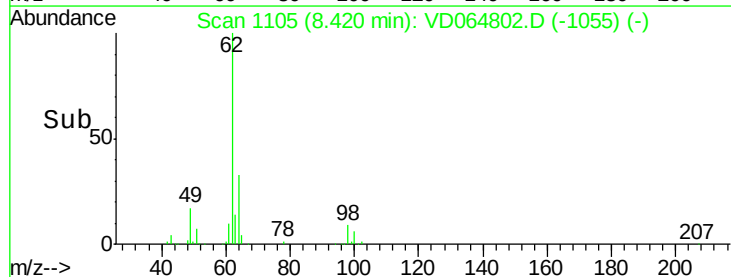
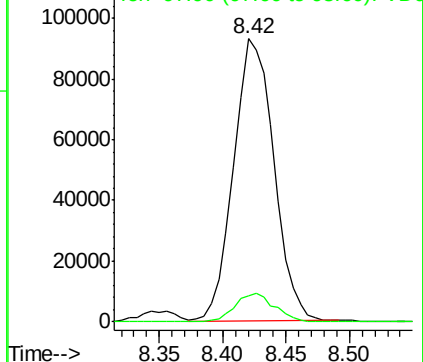
62 100

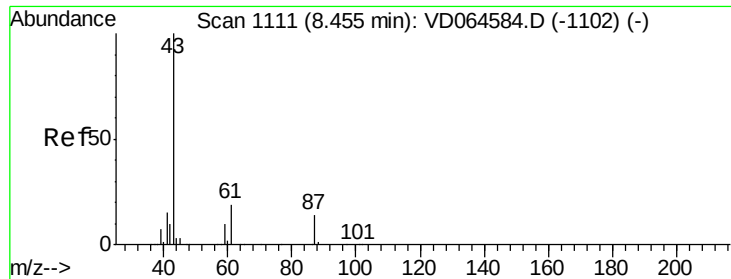
98 9.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.287 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

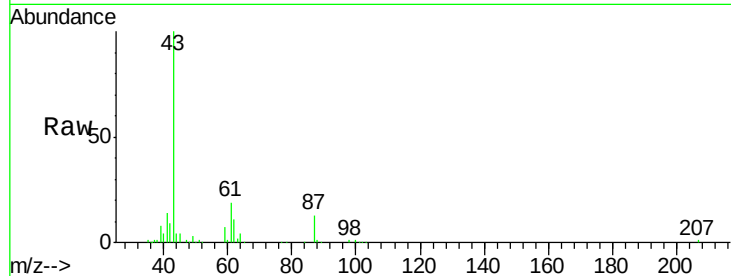
Tgt Ion: 43 Resp: 199908

Ion Ratio Lower Upper

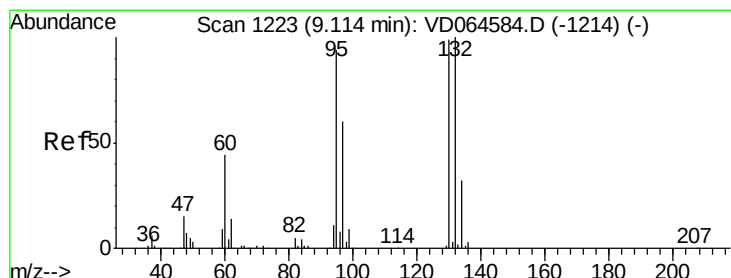
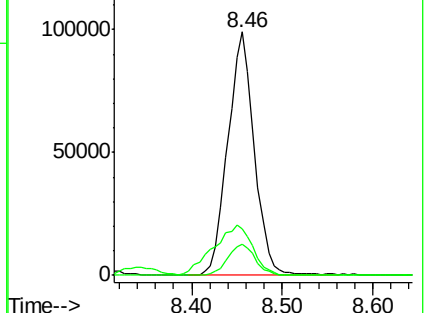
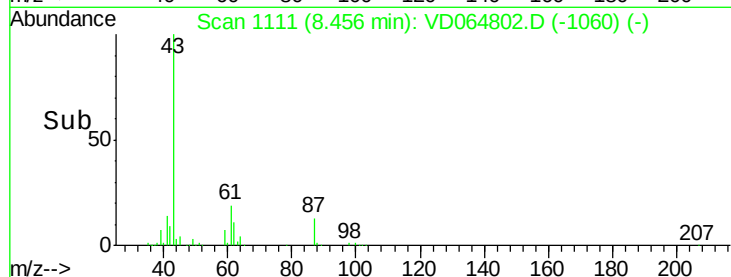
43 100

61 30.5 23.7 35.5

87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.050 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064802.D

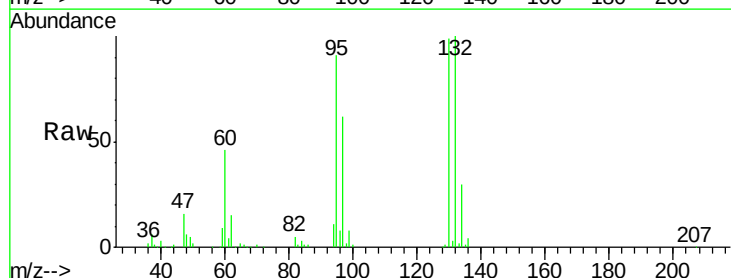
Acq: 08 Jan 2020 12:53

Tgt Ion: 130 Resp: 200082

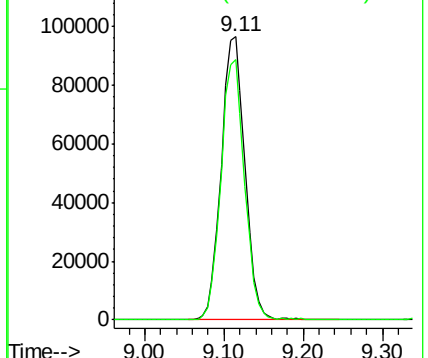
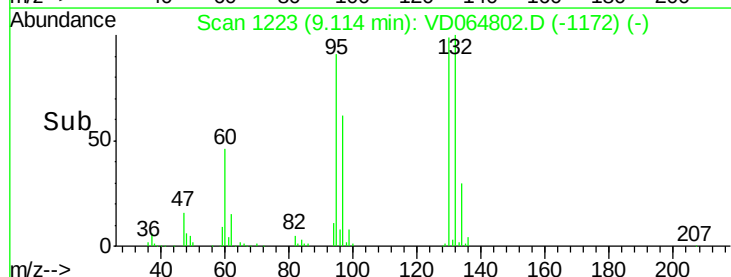
Ion Ratio Lower Upper

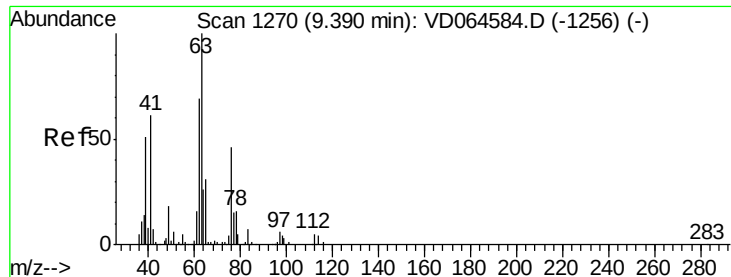
130 100

95 91.9 0.0 190.2



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

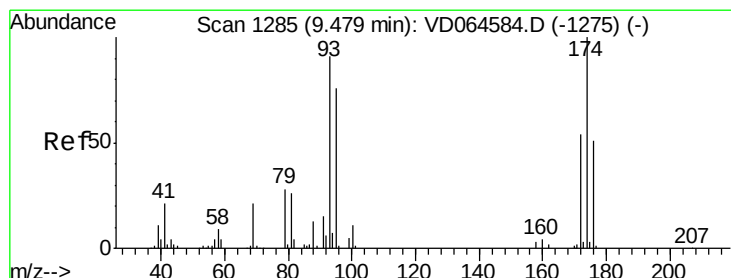
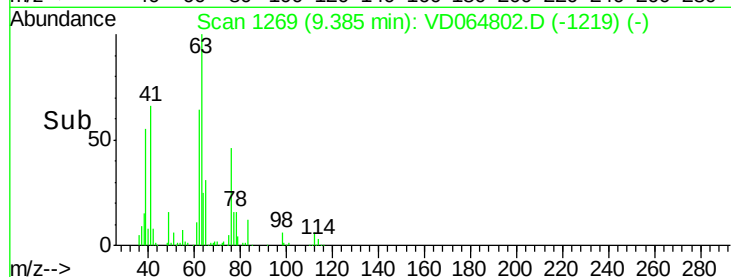
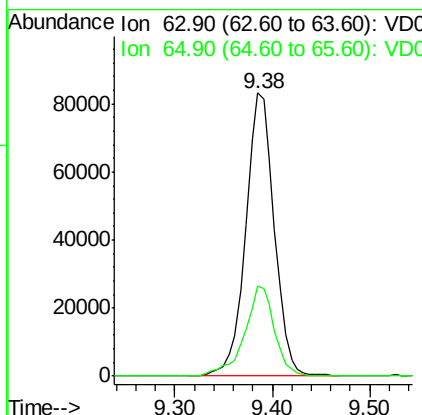
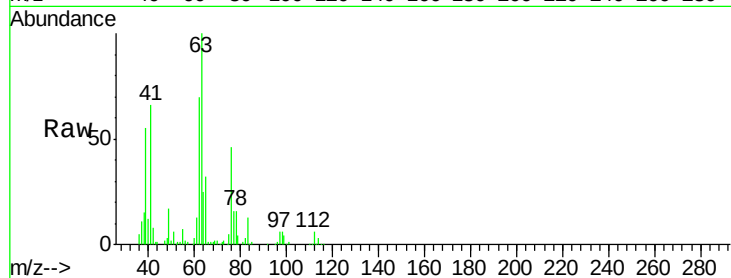




#45
 1,2-Dichloropropane
 Concen: 52.559 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

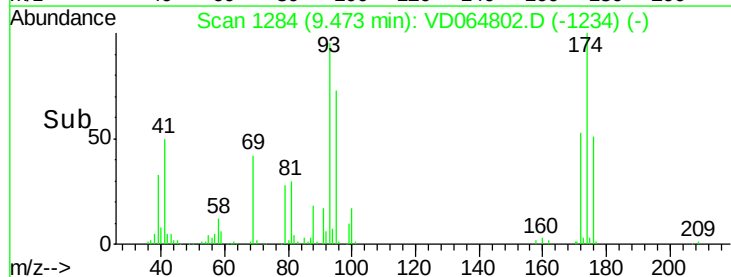
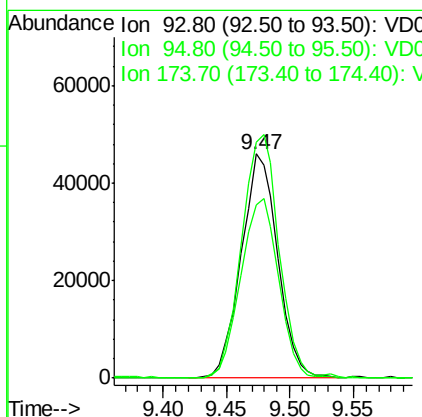
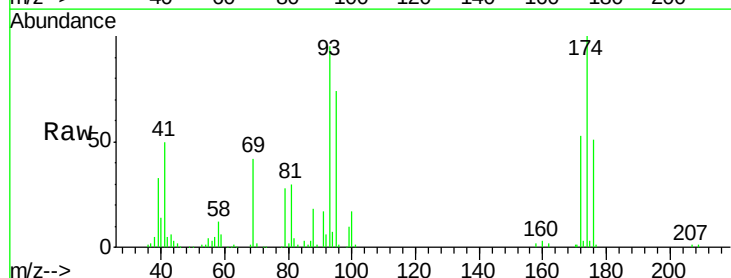
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

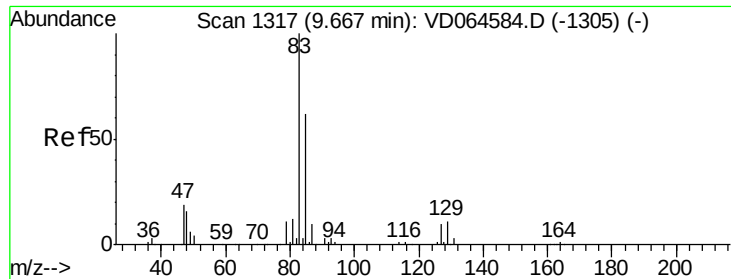
Tgt Ion: 63 Resp: 170769
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.2 37.8



#46
 Dibromomethane
 Concen: 50.869 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 93 Resp: 92148
 Ion Ratio Lower Upper
 93 100
 95 83.0 64.6 97.0
 174 111.6 88.1 132.1





#47

Bromodichloromethane

Concen: 51.795 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

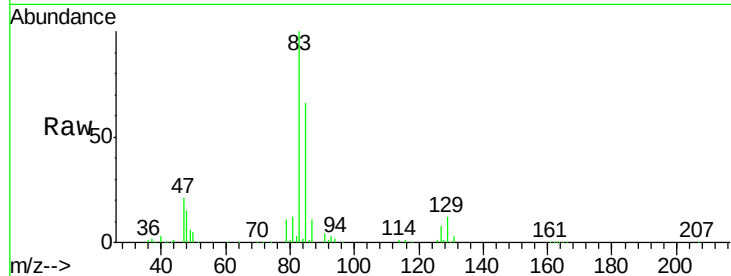
Tgt Ion: 83 Resp: 249670

Ion Ratio Lower Upper

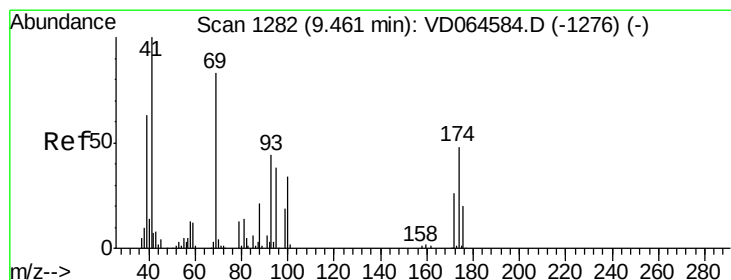
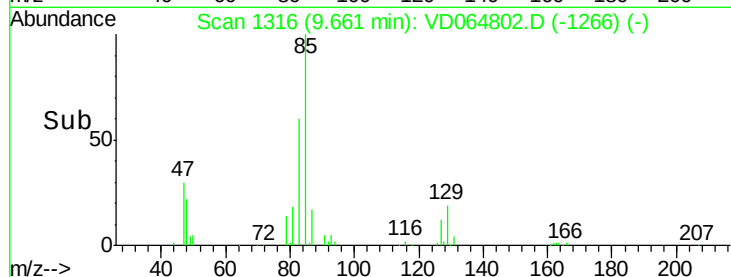
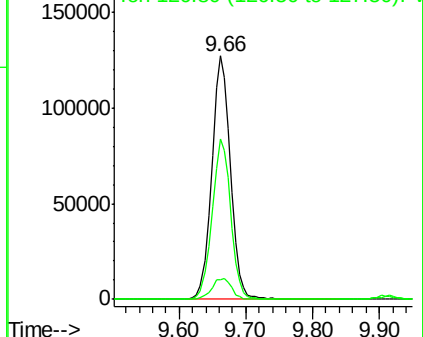
83 100

85 66.0 49.5 74.3

127 8.1 7.8 11.6



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



#48

Methyl methacrylate

Concen: 51.291 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

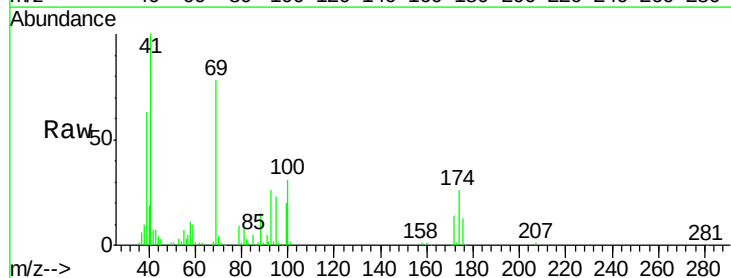
Tgt Ion: 41 Resp: 94136

Ion Ratio Lower Upper

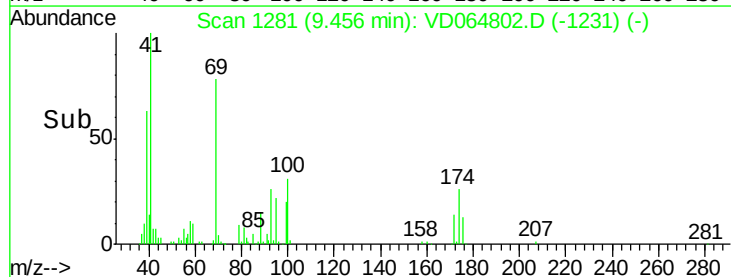
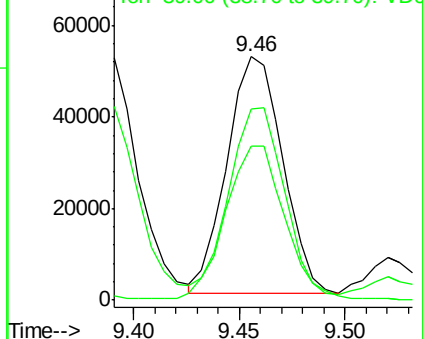
41 100

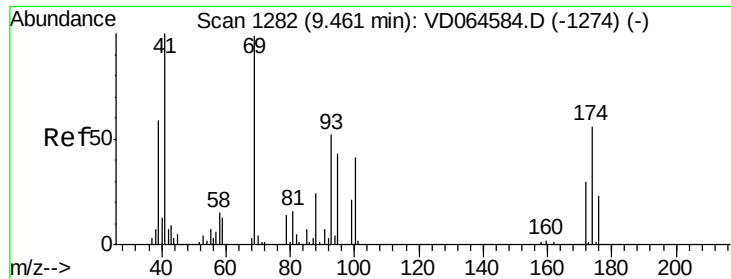
69 84.7 63.0 94.6

39 68.8 47.4 71.2



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

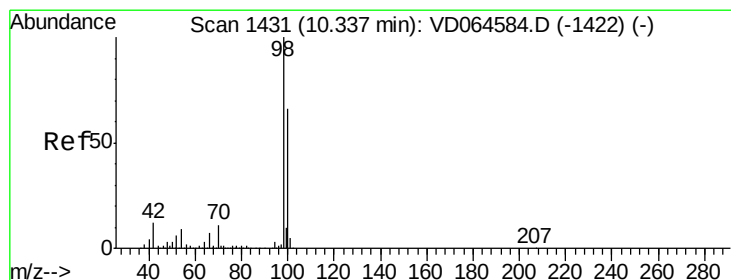
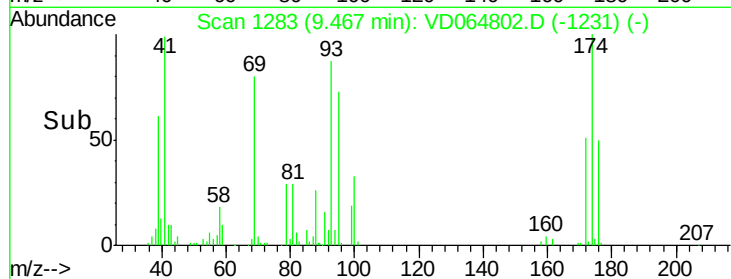
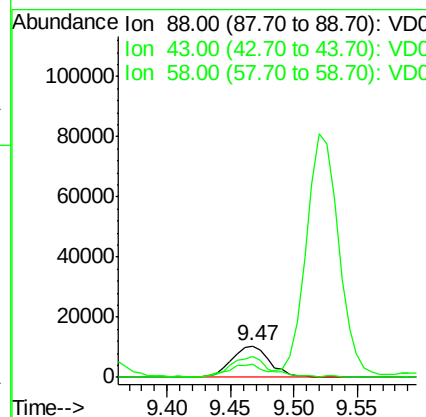
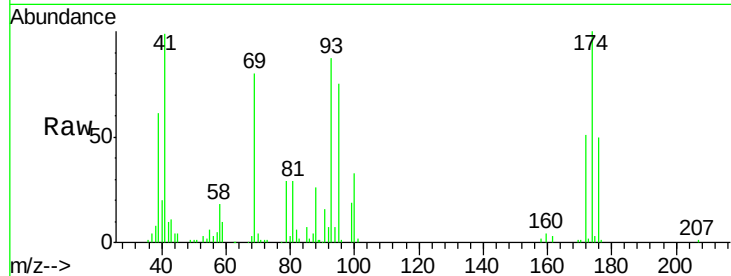




#49
1,4-Dioxane
Concen: 1054.064 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

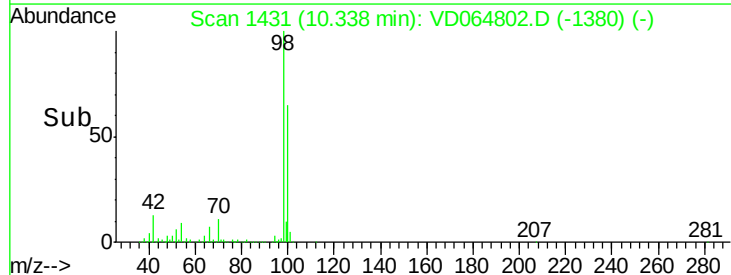
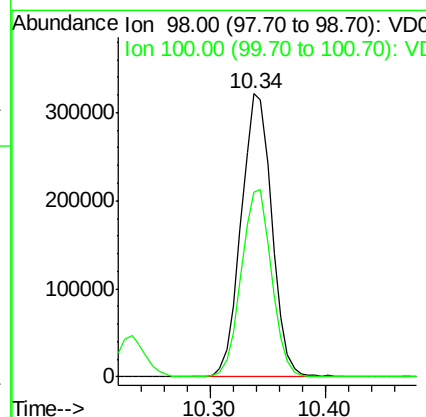
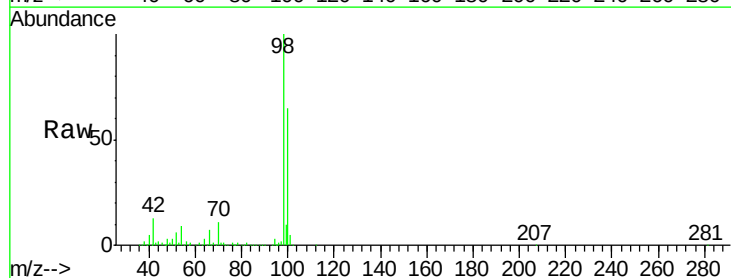
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

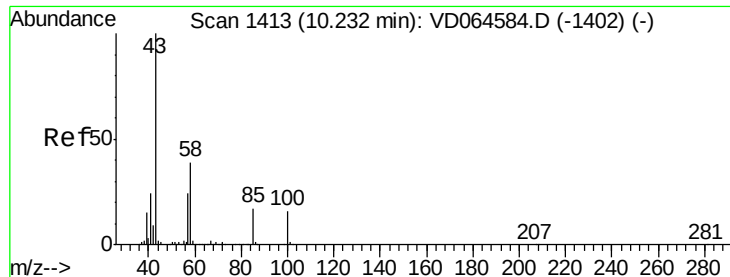
Tgt Ion: 88 Resp: 22017
Ion Ratio Lower Upper
88 100
43 35.9 27.7 41.5
58 66.9 53.8 80.6



#50
Toluene-d8
Concen: 48.613 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 98 Resp: 591584
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

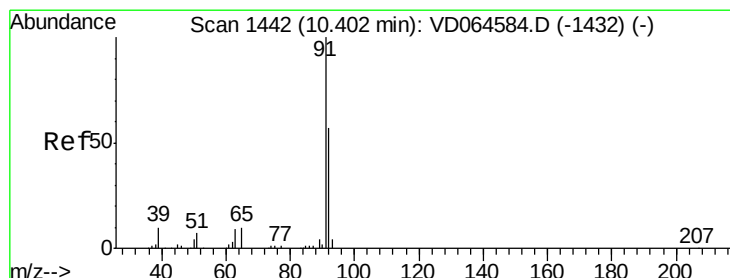
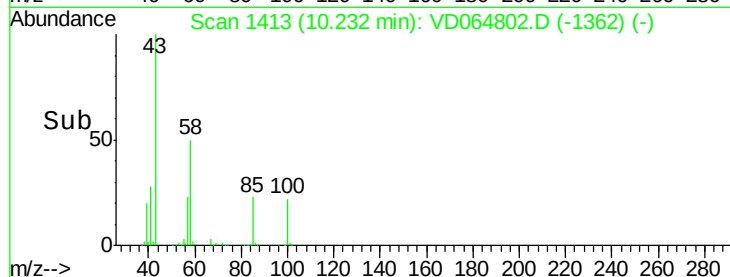
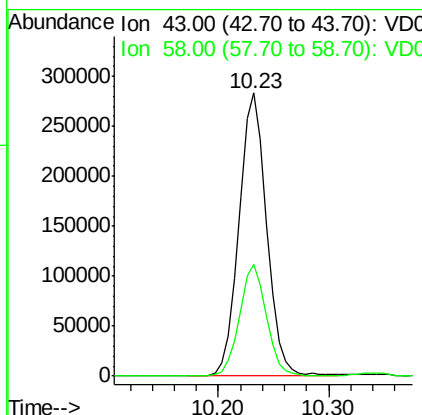
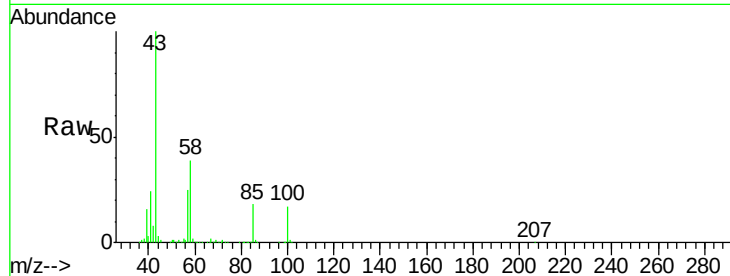




#51
 4-Methyl-2-Pentanone
 Concen: 259.629 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

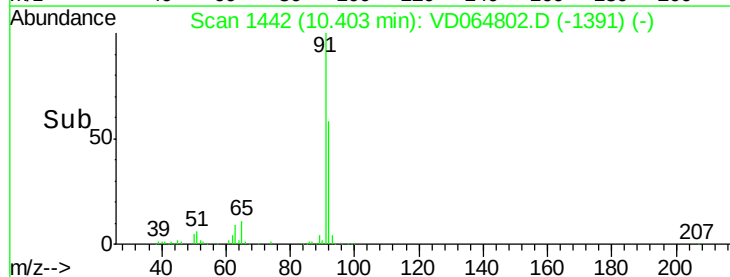
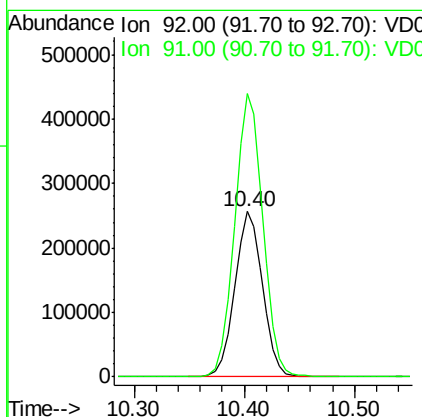
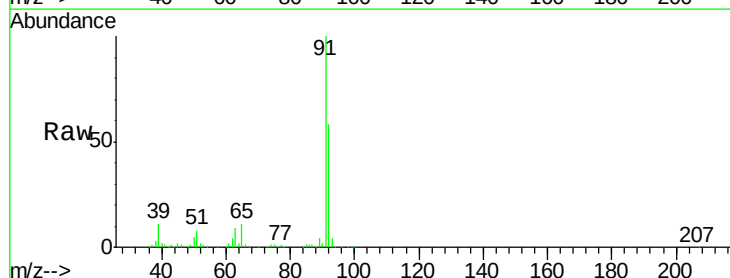
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

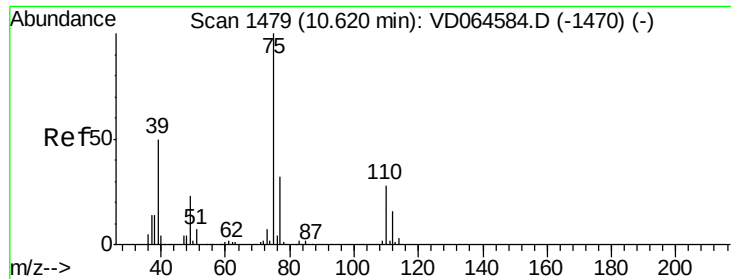
Tgt Ion: 43 Resp: 500207
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.2 45.2



#52
 Toluene
 Concen: 50.790 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 92 Resp: 453447
 Ion Ratio Lower Upper
 92 100
 91 174.0 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 52.650 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

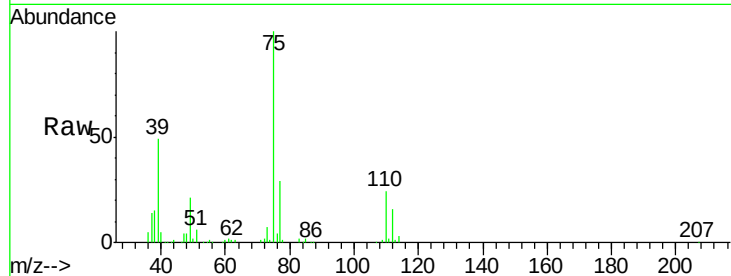
VSTD05006

Tgt Ion: 75 Resp: 236614

Ion Ratio Lower Upper

75 100

77 28.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

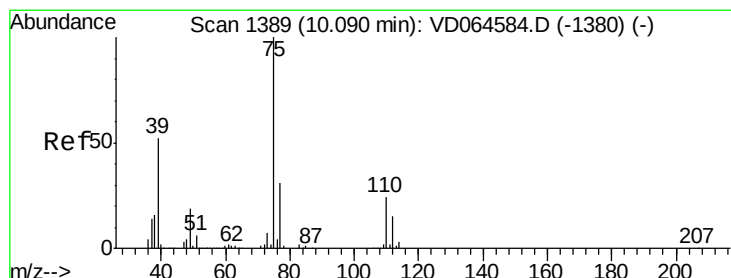
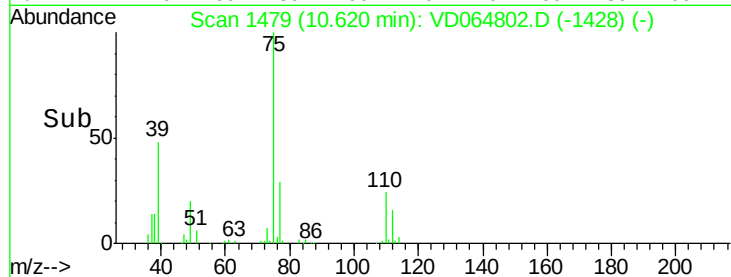
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.711 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

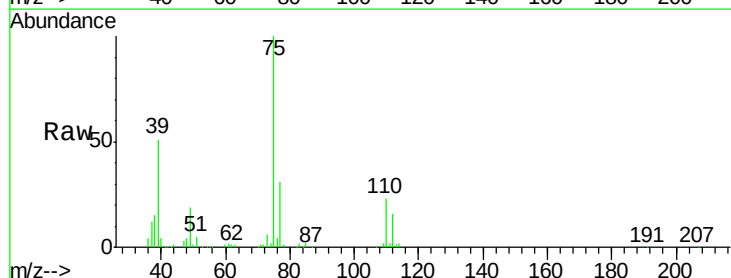
Tgt Ion: 75 Resp: 284622

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 50.8 41.4 62.2



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

200000

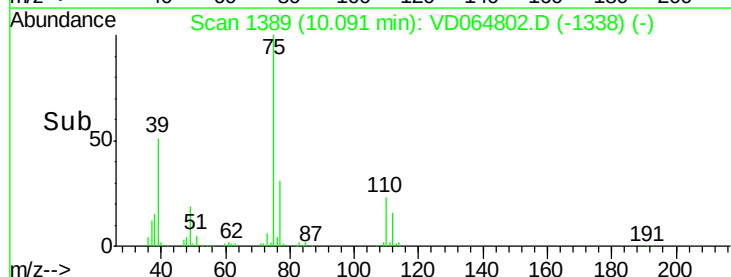
150000

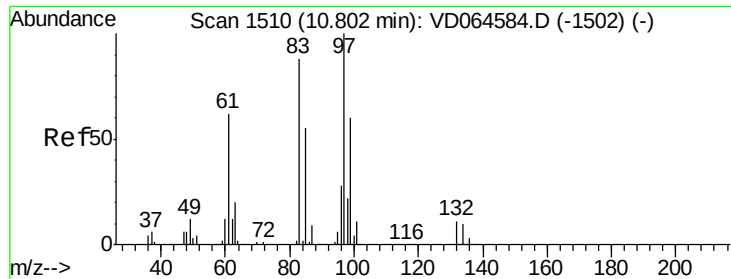
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.288 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tgt Ion: 97 Resp: 125210

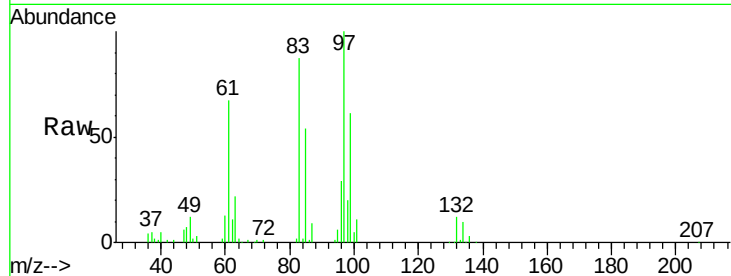
Ion Ratio Lower Upper

97 100

83 87.3 70.2 105.4

85 54.2 44.0 66.0

99 61.0 47.8 71.6

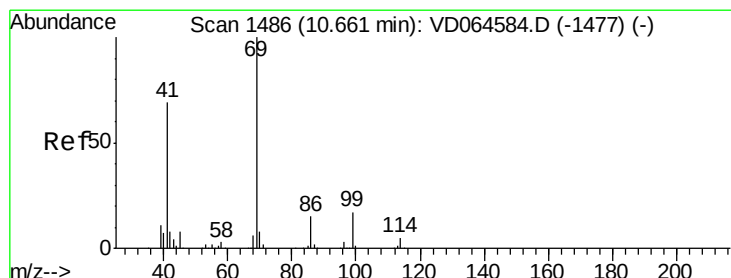
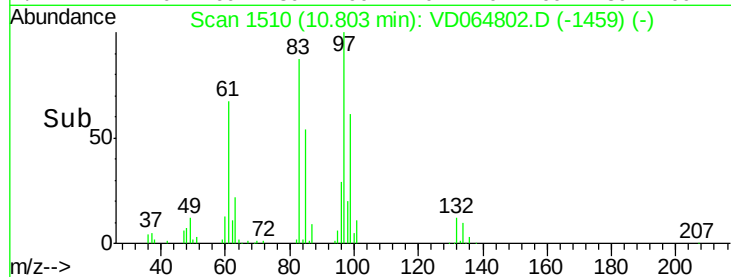
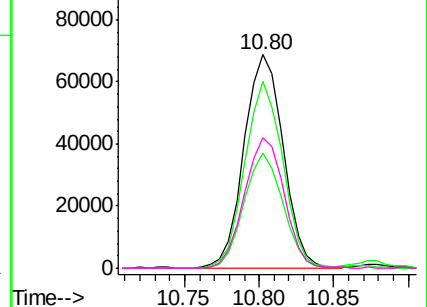


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 51.718 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

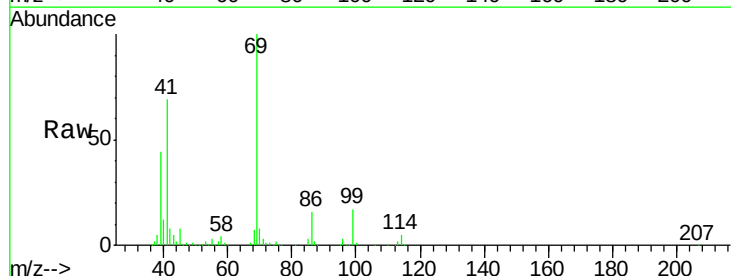
Tgt Ion: 69 Resp: 157682

Ion Ratio Lower Upper

69 100

41 70.1 55.3 82.9

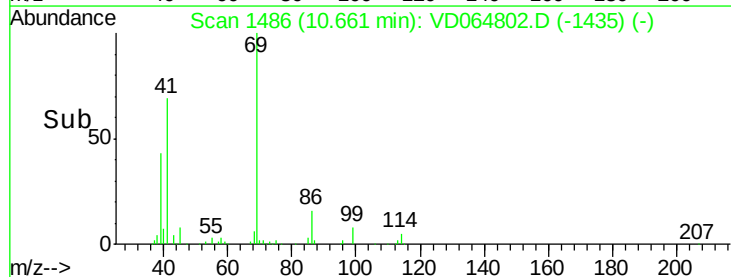
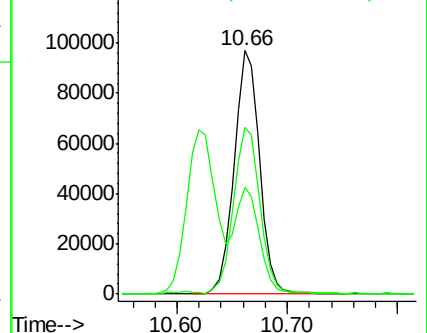
39 42.7 33.8 50.8

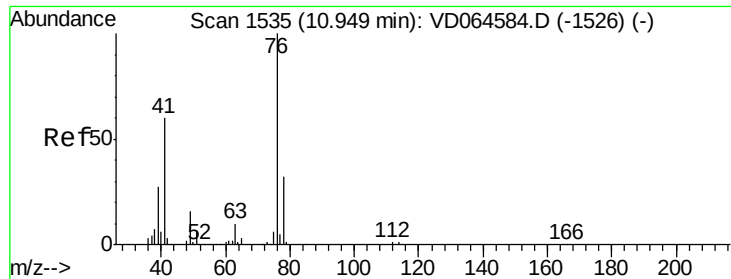


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

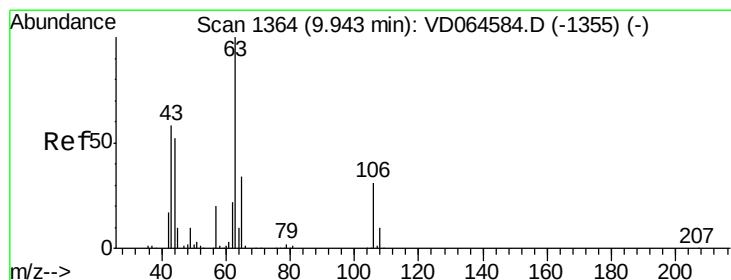
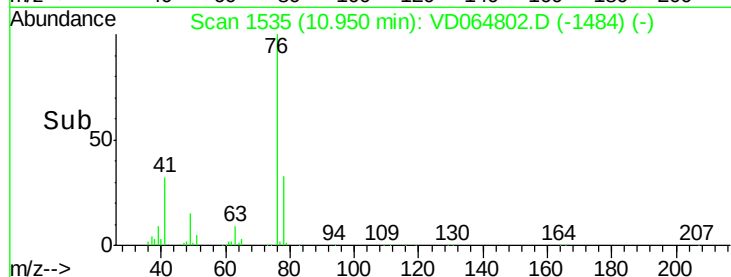
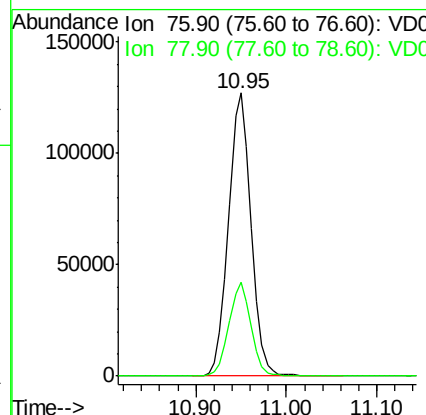
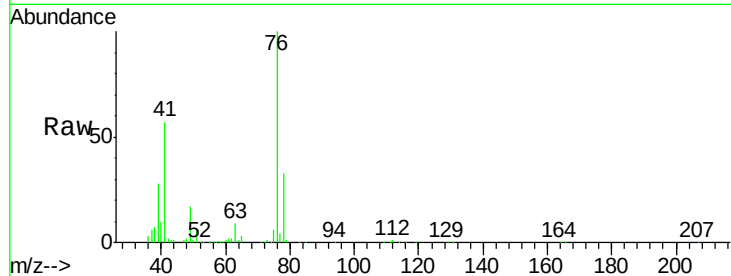




#57
 1,3-Dichloropropane
 Concen: 52.142 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

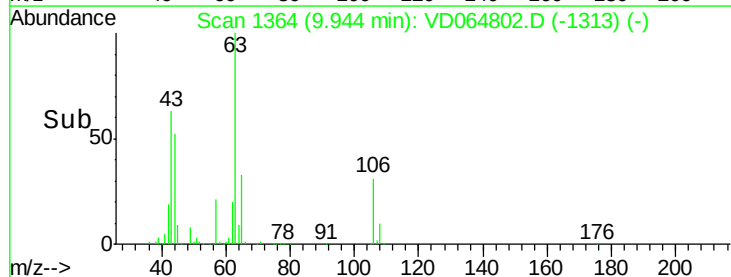
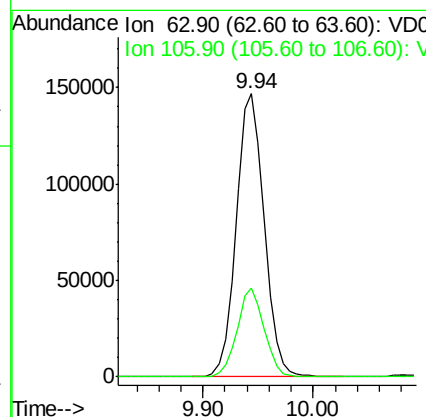
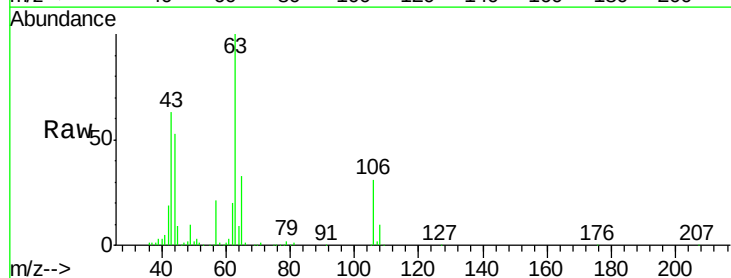
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

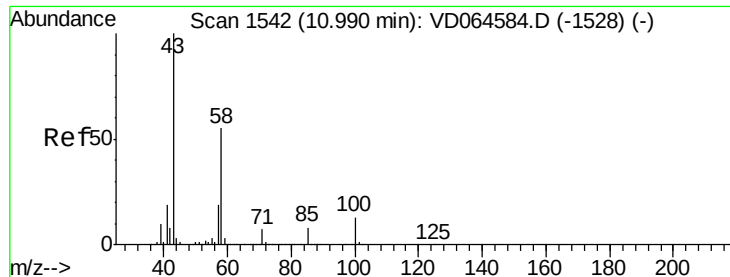
Tgt Ion: 76 Resp: 219173
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.646 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 63 Resp: 260947
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.8 35.8

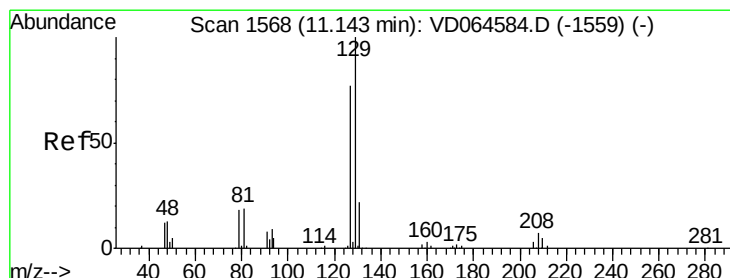
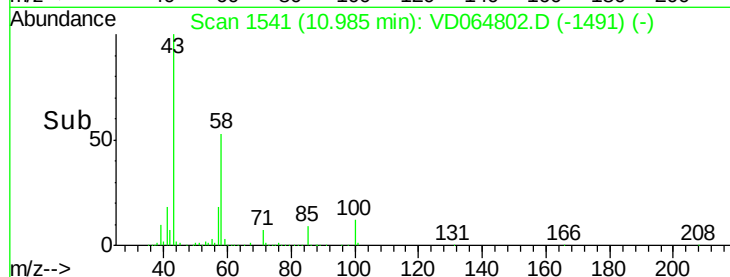
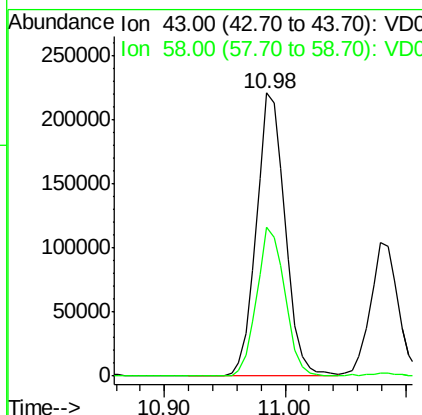
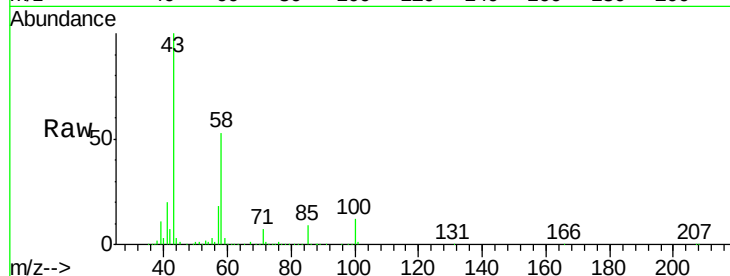




#59
2-Hexanone
Concen: 281.350 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

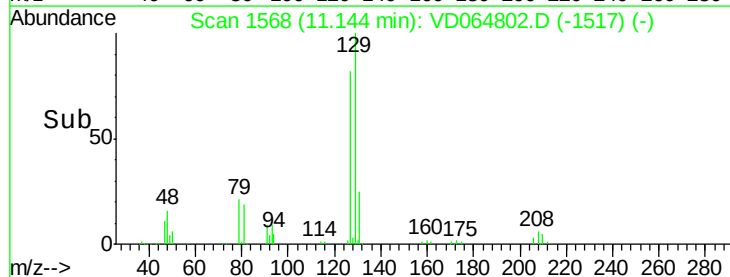
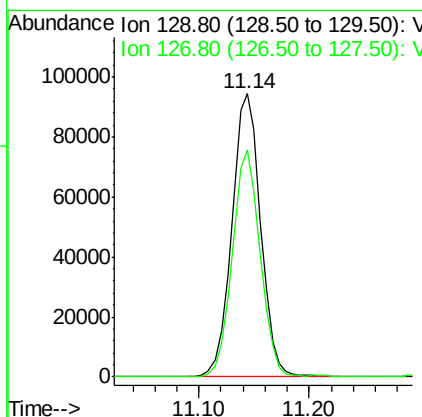
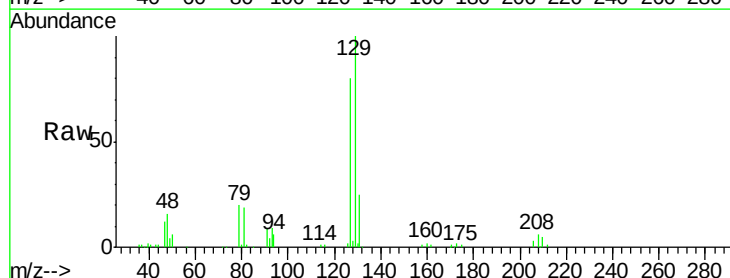
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

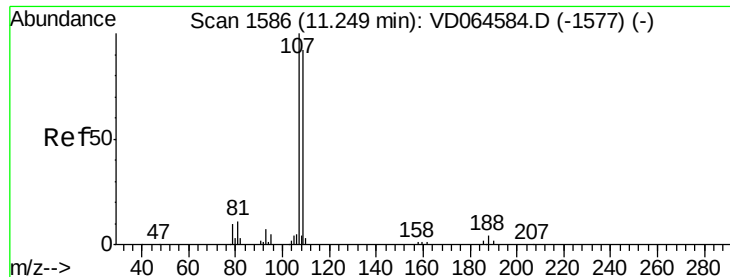
Tgt Ion: 43 Resp: 367903
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 51.129 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 129 Resp: 172611
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

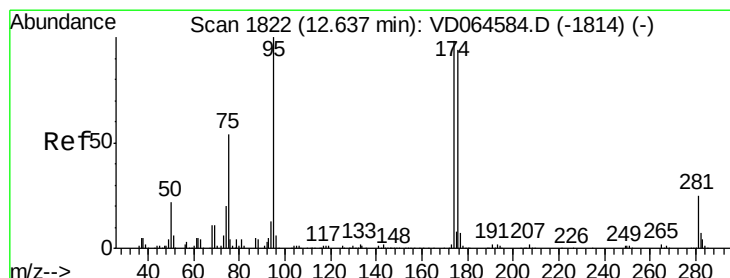
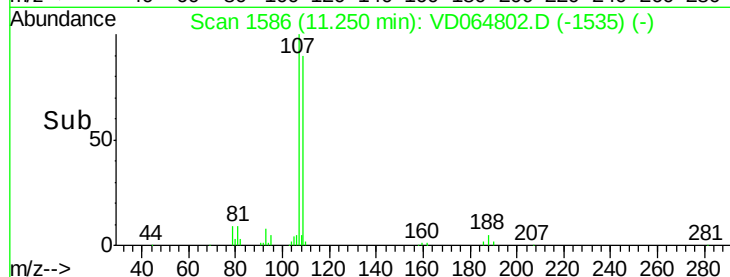
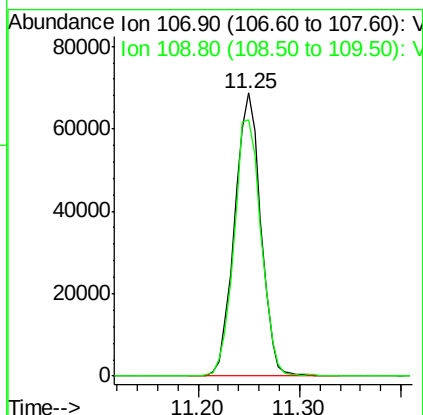
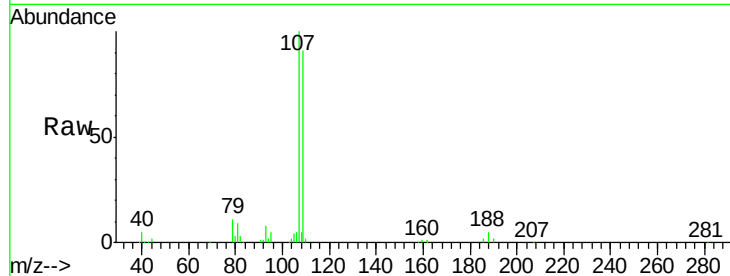




#61
 1,2-Dibromoethane
 Concen: 51.044 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

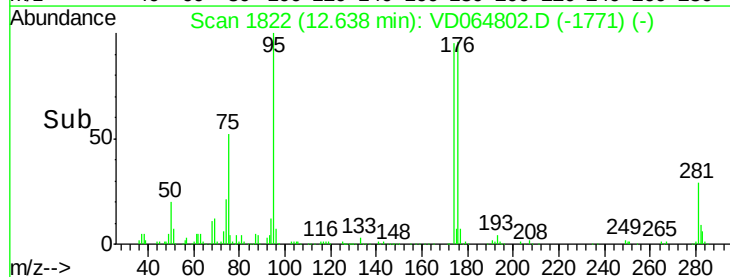
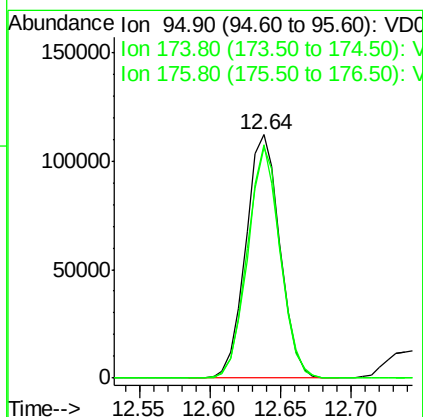
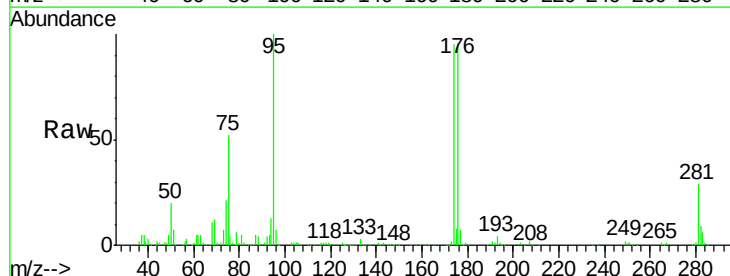
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

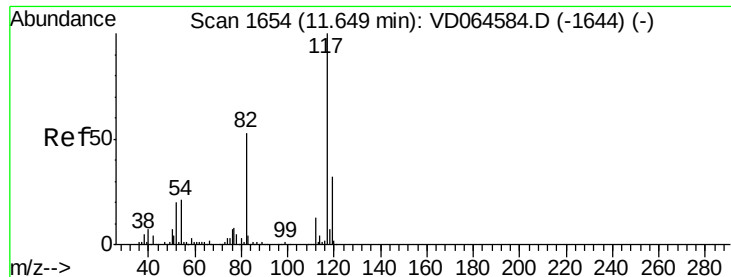
Tgt Ion: 107 Resp: 122908
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.403 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 95 Resp: 190107
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 193.2
 176 90.9 0.0 184.2

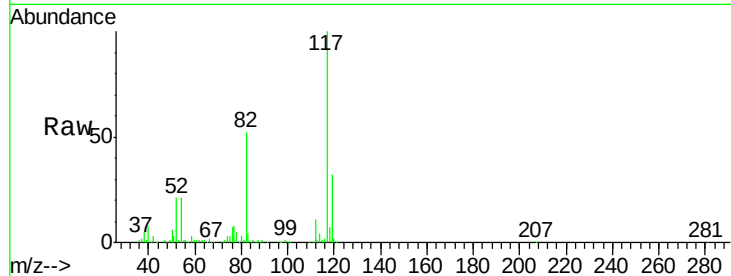




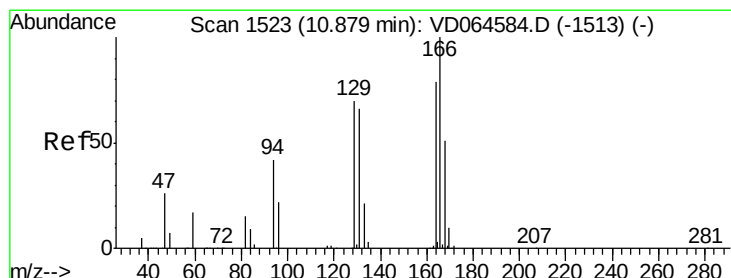
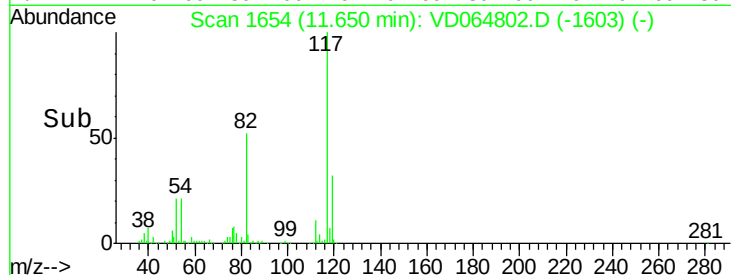
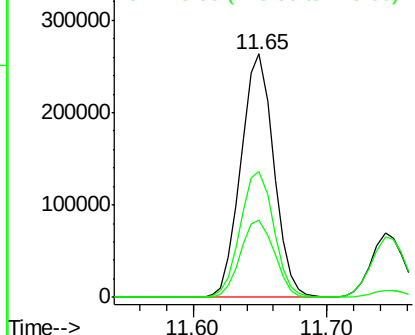
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion:117 Resp: 450042
Ion Ratio Lower Upper
117 100
82 51.9 42.2 63.4
119 32.0 26.0 39.0

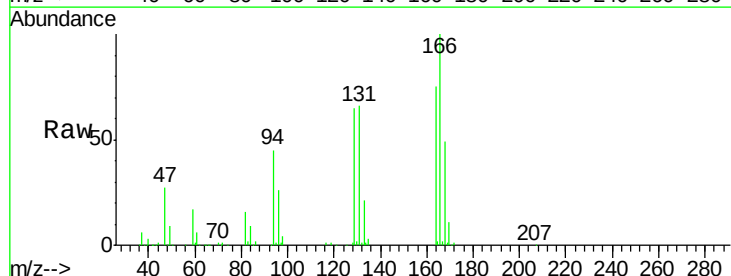


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

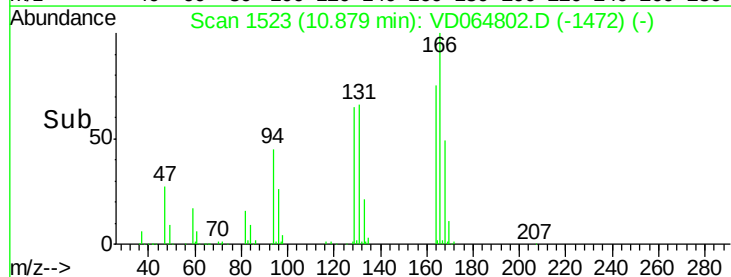
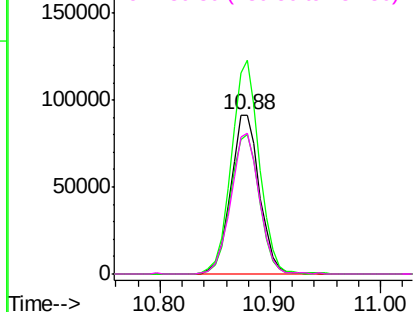


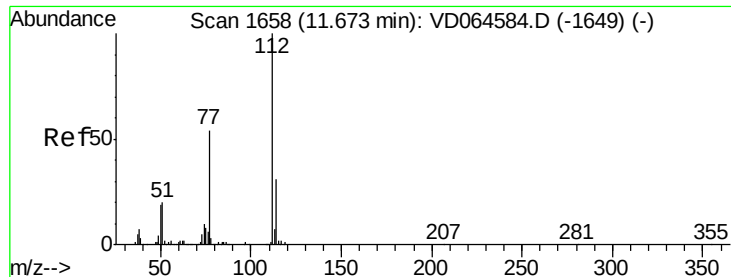
#64
Tetrachloroethene
Concen: 48.407 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion:164 Resp: 167133
Ion Ratio Lower Upper
164 100
166 134.0 101.3 151.9
129 87.3 70.5 105.7
131 88.7 66.6 99.8



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

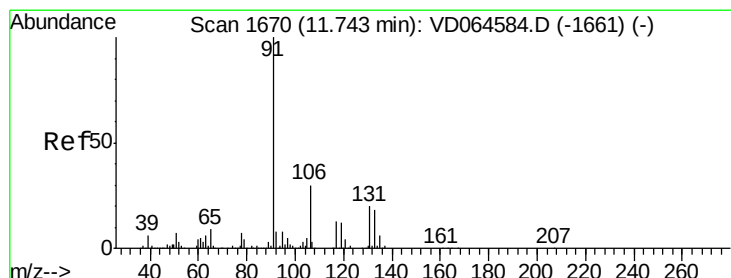
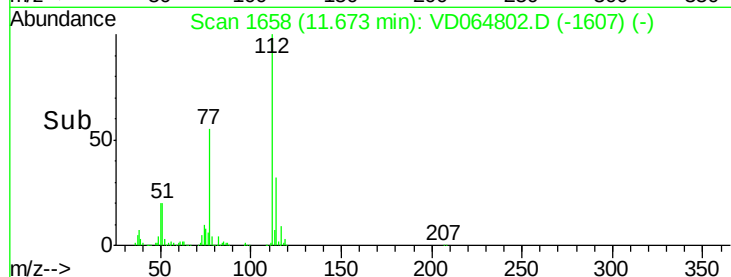
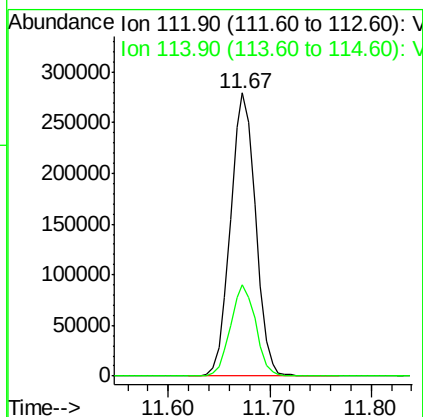
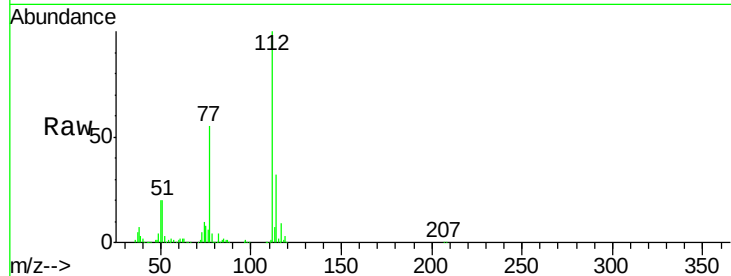




#65
Chlorobenzene
Concen: 51.371 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

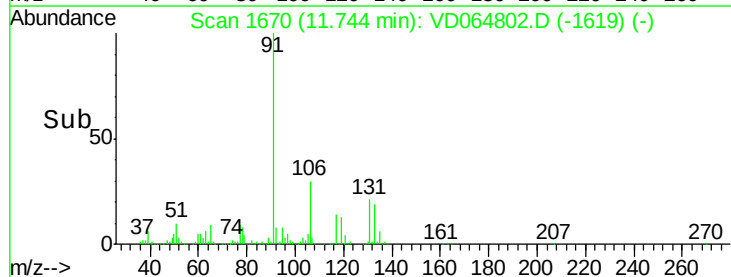
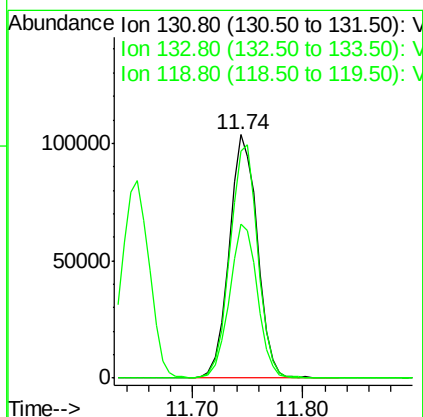
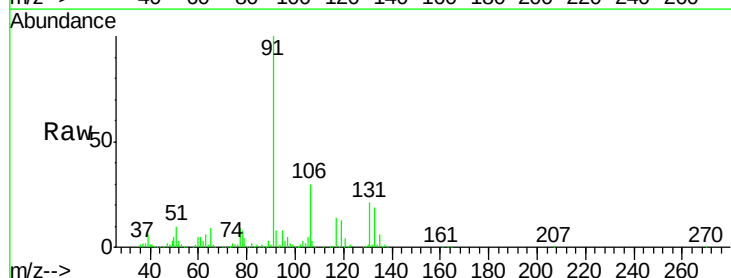
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

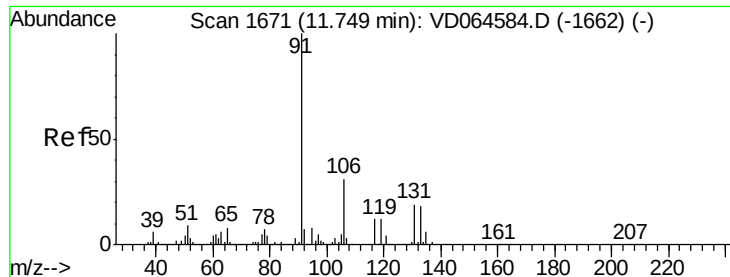
Tgt Ion:112 Resp: 479834
Ion Ratio Lower Upper
112 100
114 32.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.513 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion:131 Resp: 184911
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.8
119 63.2 32.1 96.3





#67

Ethyl Benzene

Concen: 51.652 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

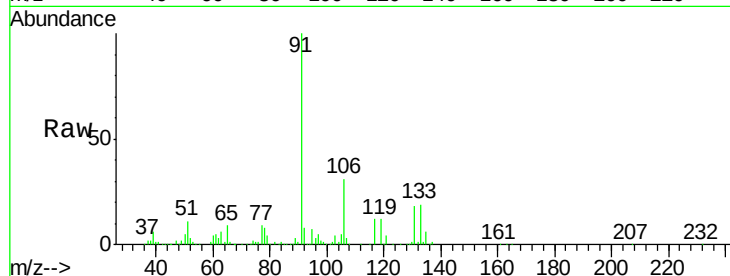
VSTD05006

Tgt Ion: 91 Resp: 875698

Ion Ratio Lower Upper

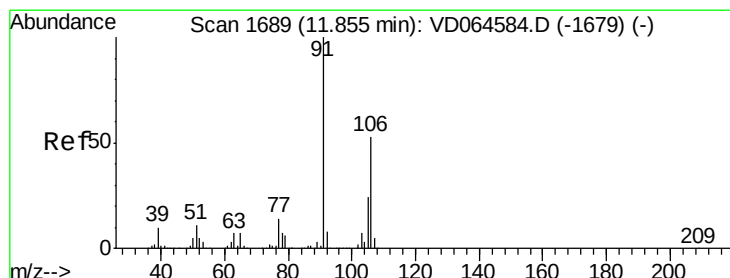
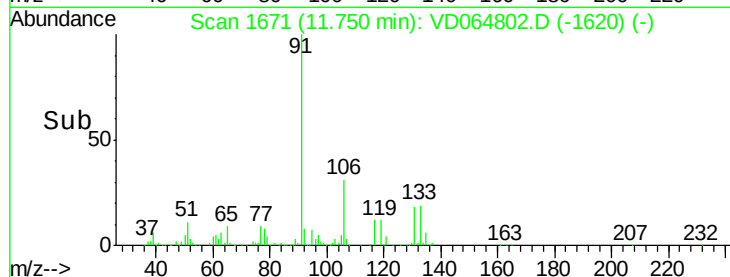
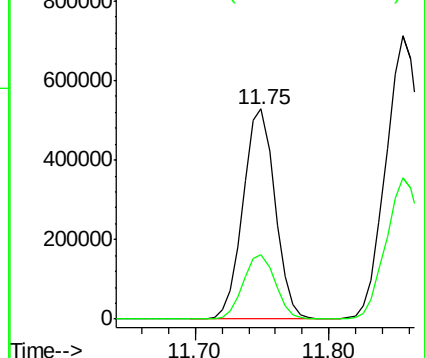
91 100

106 30.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.081 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064802.D

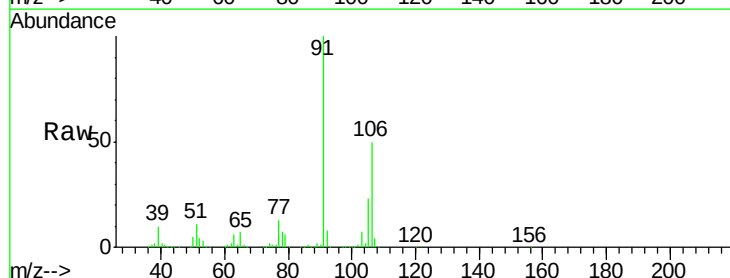
Acq: 08 Jan 2020 12:53

Tgt Ion: 106 Resp: 674535

Ion Ratio Lower Upper

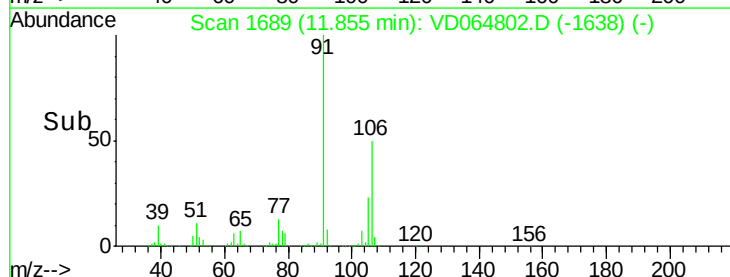
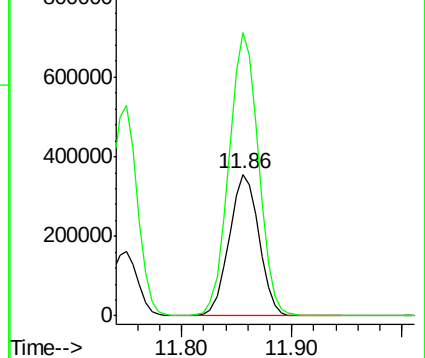
106 100

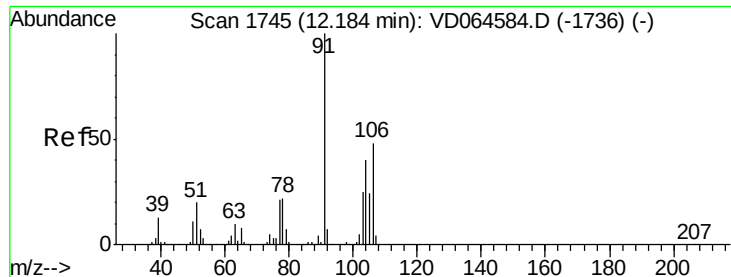
91 197.8 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

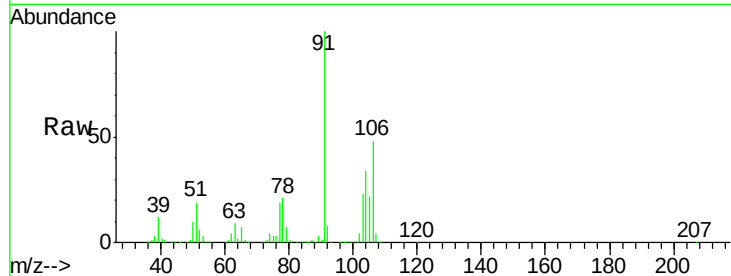




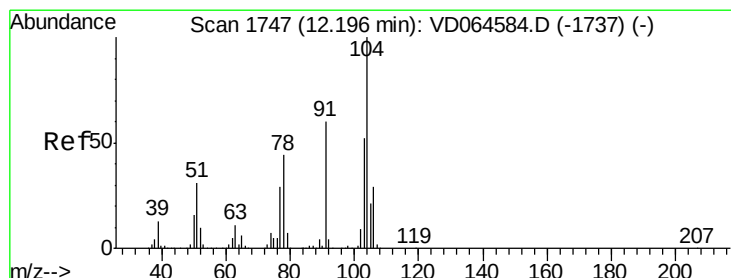
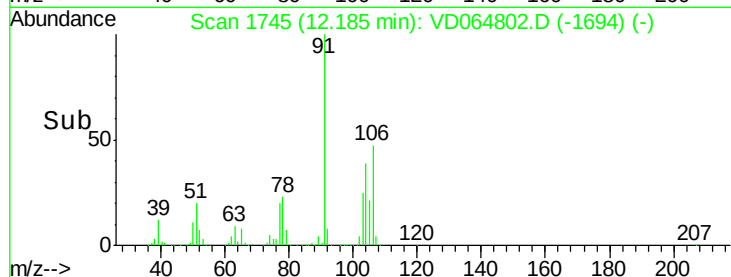
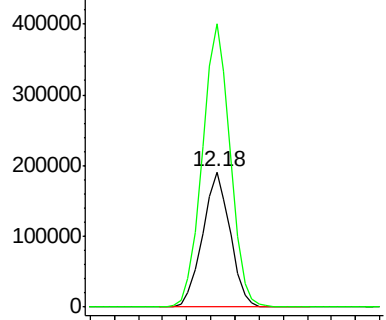
#69
o-Xylene
Concen: 51.328 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion:106 Resp: 303382
Ion Ratio Lower Upper
106 100
91 212.2 104.8 314.4

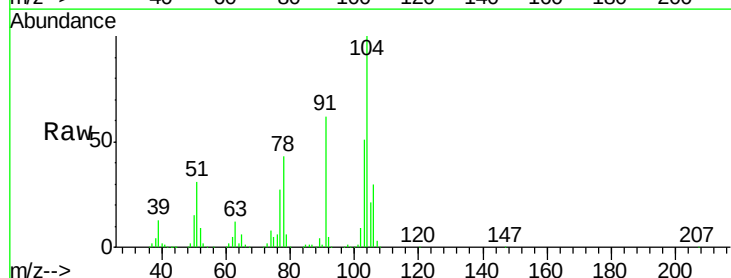


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

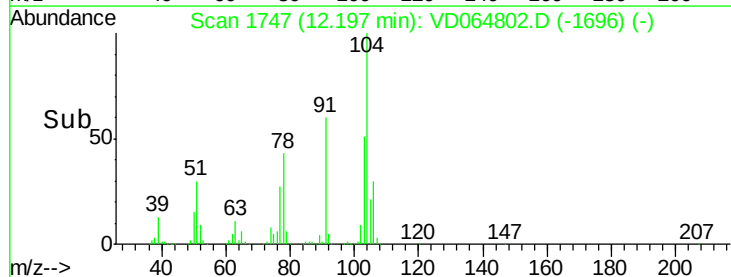
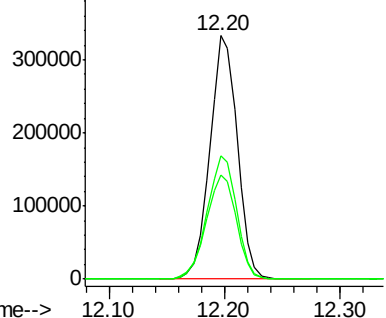


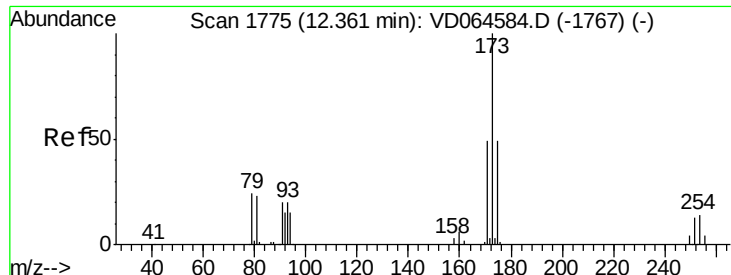
#70
Styrene
Concen: 52.836 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion:104 Resp: 548170
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 54.3 44.6 67.0



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

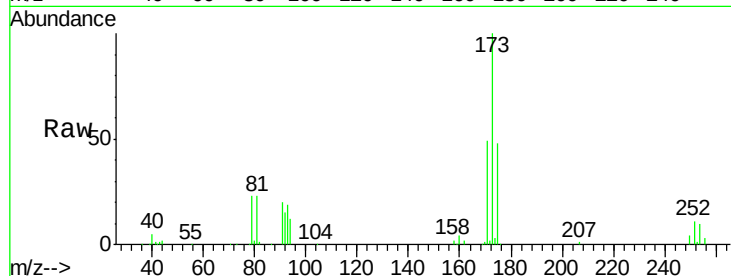




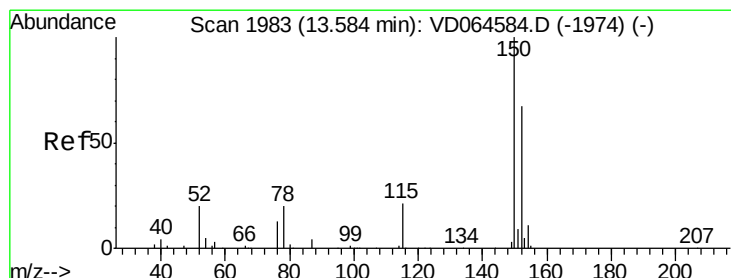
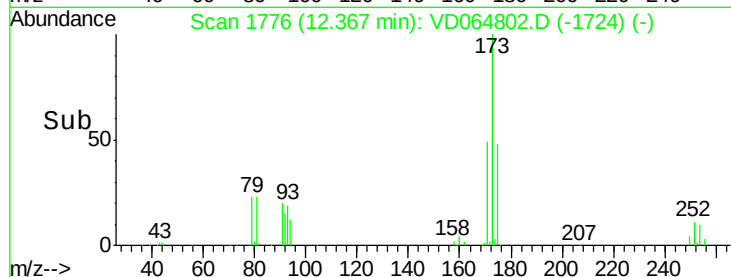
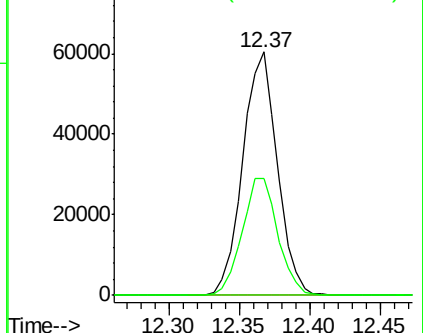
#71
Bromoform
Concen: 51.599 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tgt Ion:173 Resp: 103615
Ion Ratio Lower Upper
173 100
175 49.8 24.6 73.8
254 0.0 0.1 0.1#

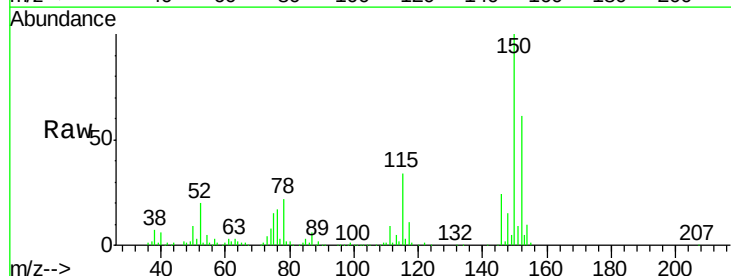


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

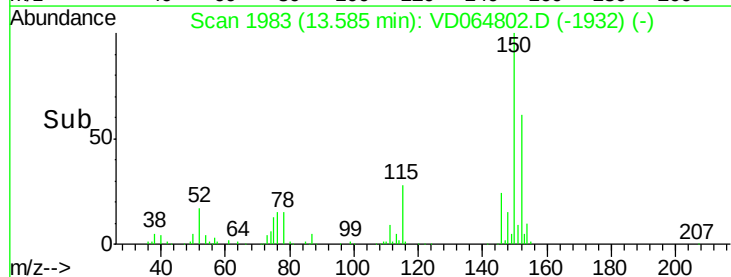
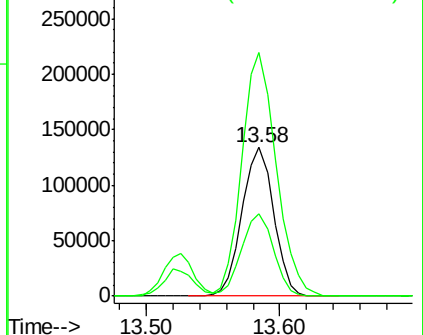


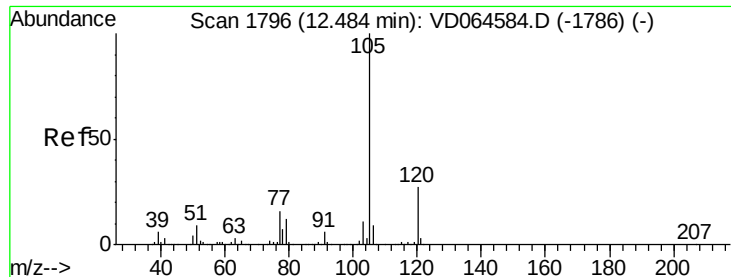
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion:152 Resp: 220231
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 177.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 53.247 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

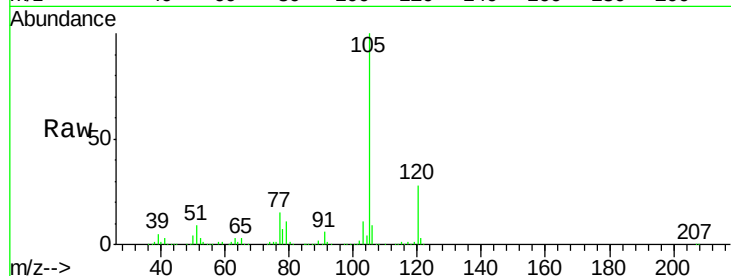
VSTD05006

Tgt Ion:105 Resp: 838008

Ion Ratio Lower Upper

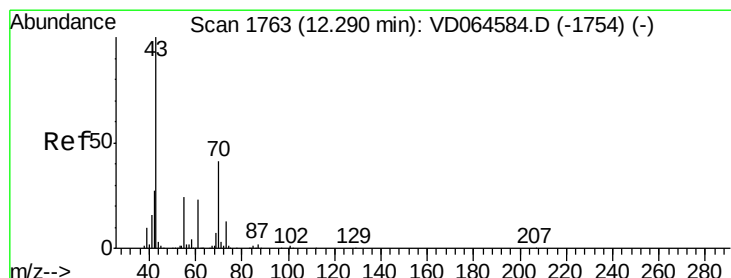
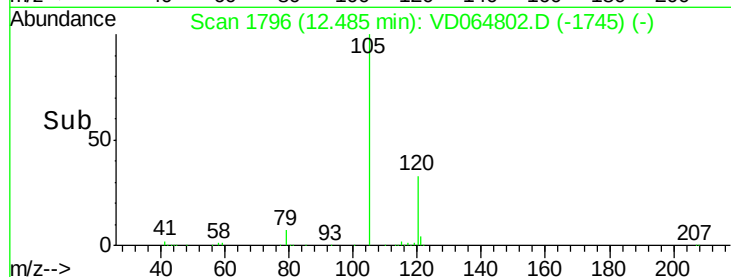
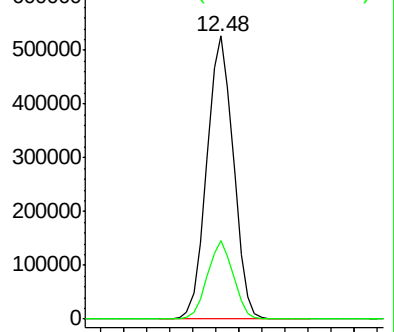
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.796 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Tgt Ion: 43 Resp: 180983

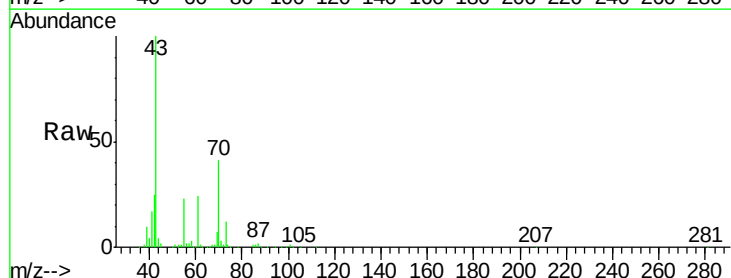
Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.0

55 24.5 19.4 29.0

61 23.7 18.3 27.5

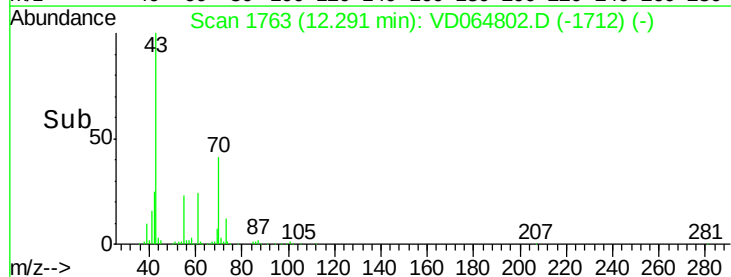
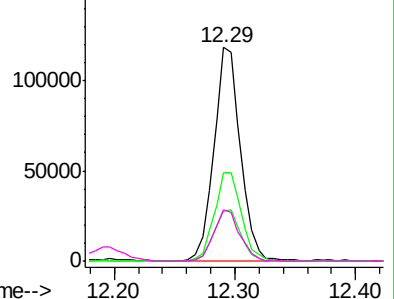


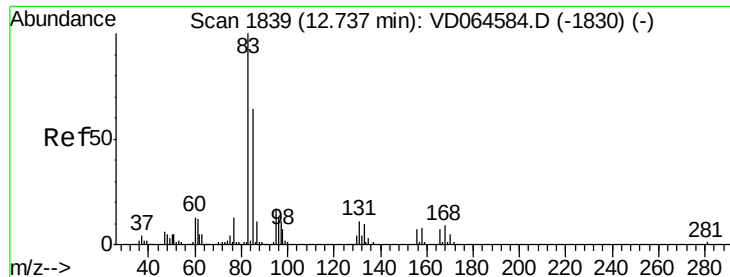
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.987 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

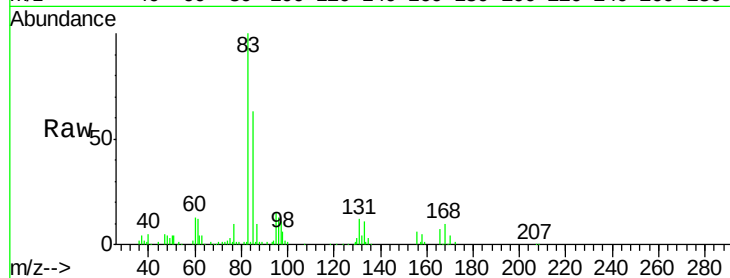
Tgt Ion: 83 Resp: 135945

Ion Ratio Lower Upper

83 100

131 10.9 5.8 17.4

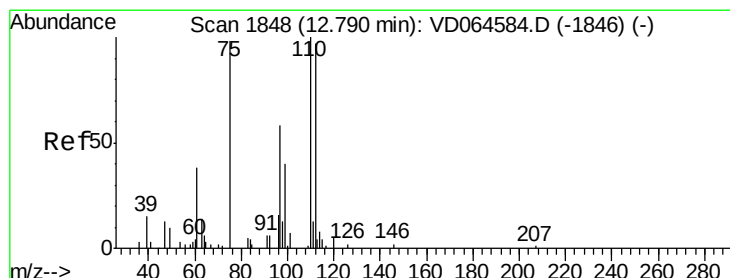
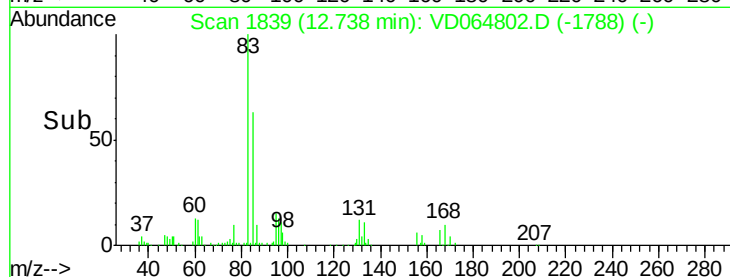
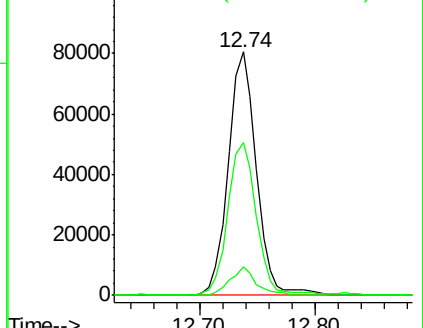
85 63.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 101.229 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064802.D

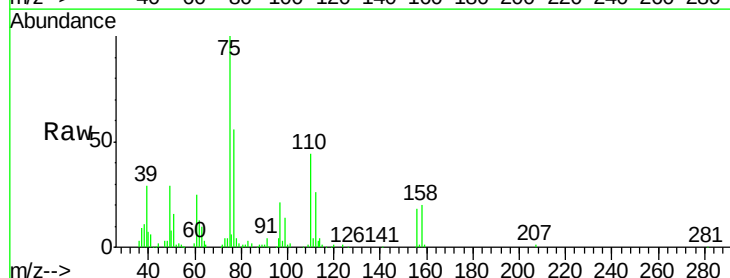
Acq: 08 Jan 2020 12:53

Tgt Ion: 75 Resp: 176045

Ion Ratio Lower Upper

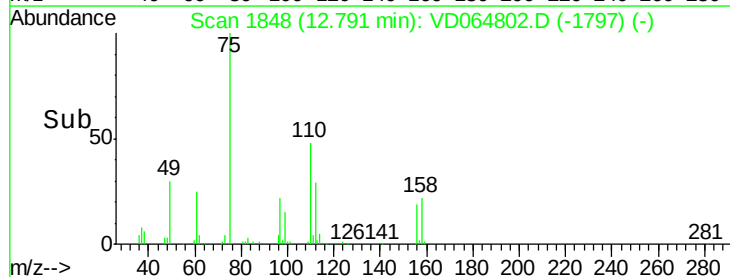
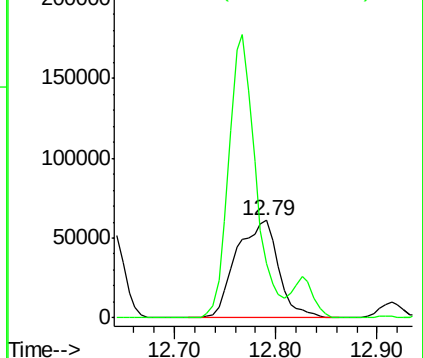
75 100

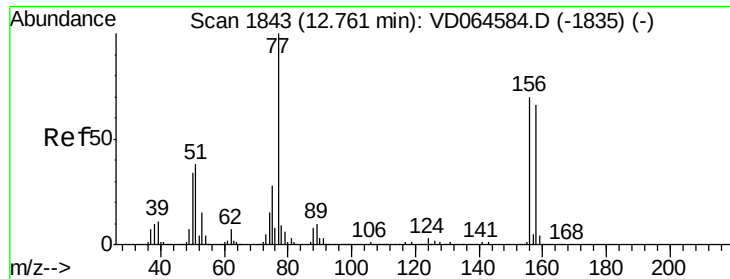
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.206 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

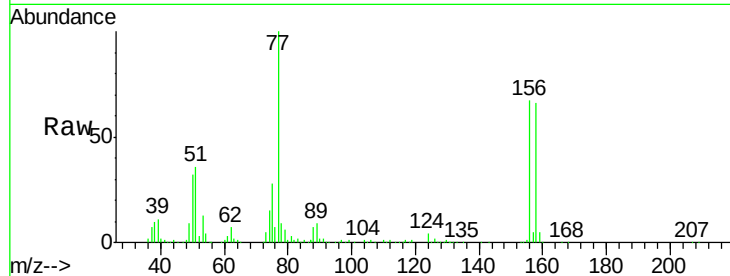
Tgt Ion:156 Resp: 201887

Ion Ratio Lower Upper

156 100

77 163.5 80.9 242.7

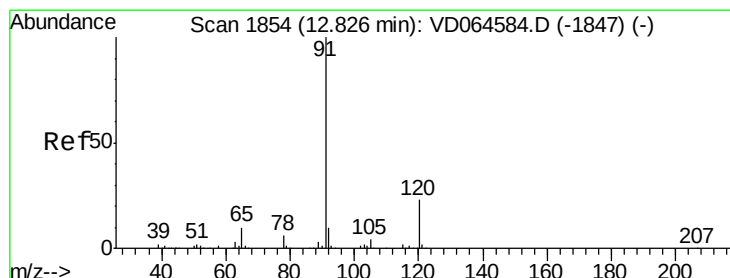
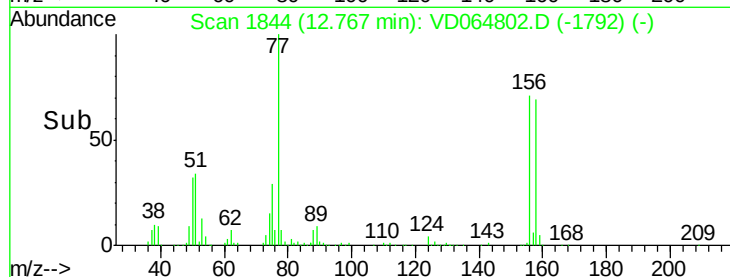
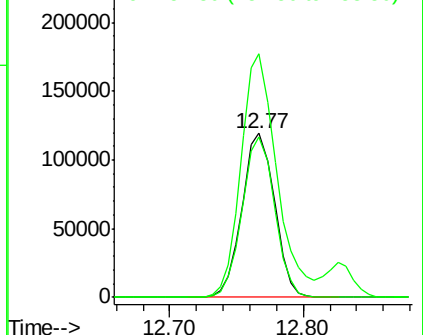
158 97.5 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.338 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064802.D

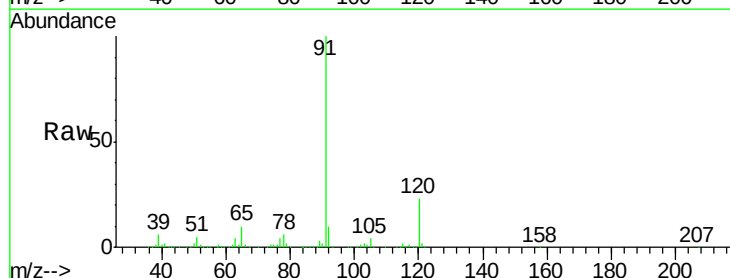
Acq: 08 Jan 2020 12:53

Tgt Ion: 91 Resp: 979310

Ion Ratio Lower Upper

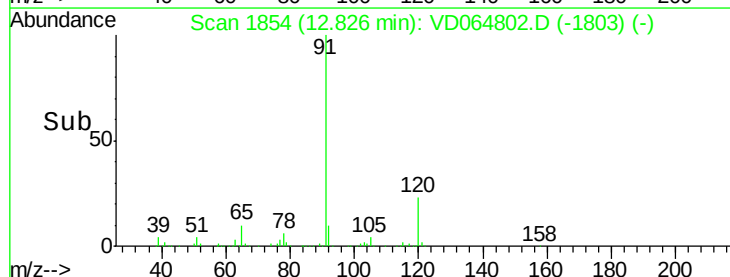
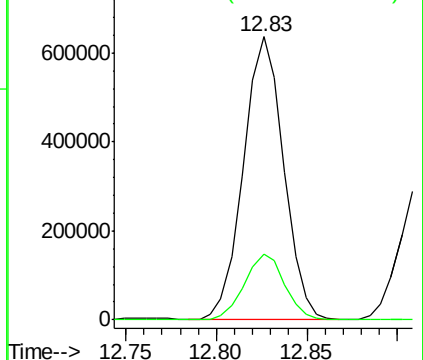
91 100

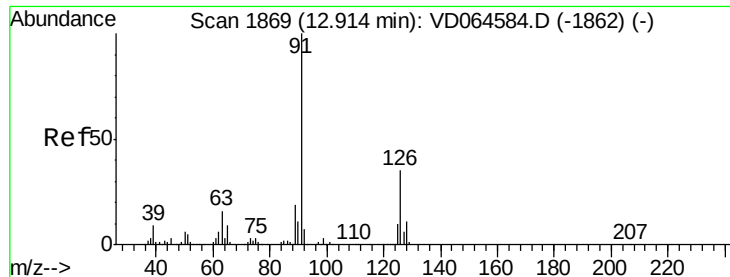
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.106 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

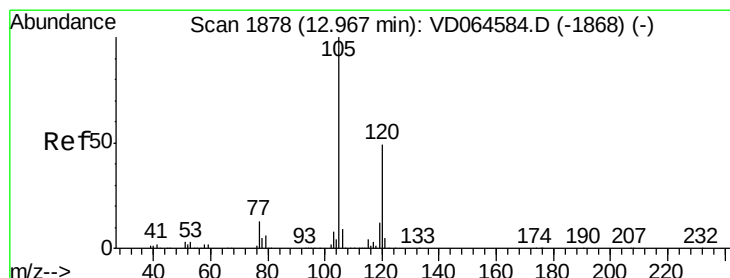
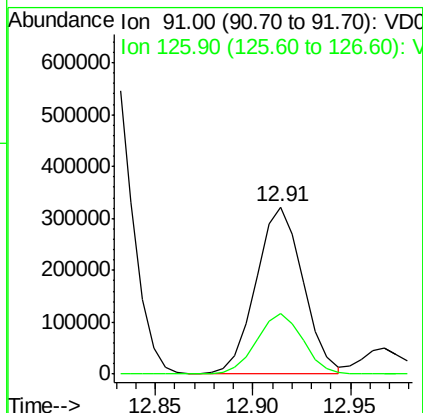
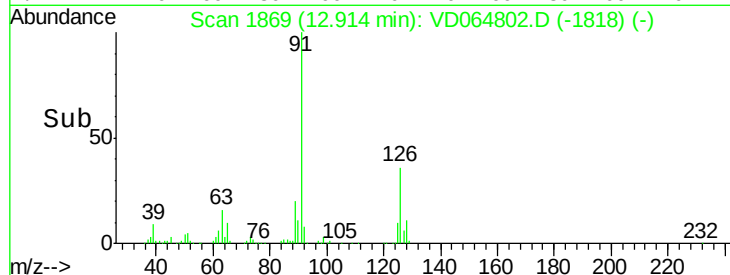
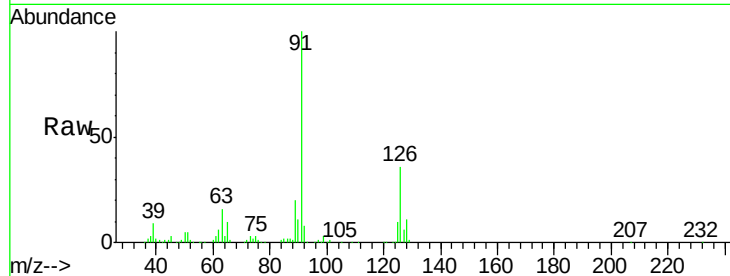
VSTD05006

Tgt Ion: 91 Resp: 535641

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 52.743 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064802.D

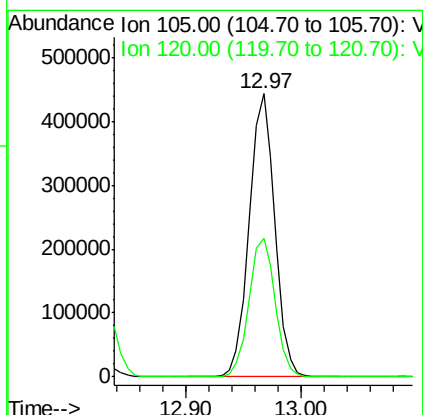
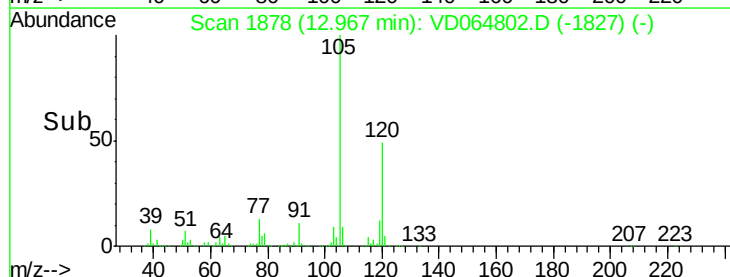
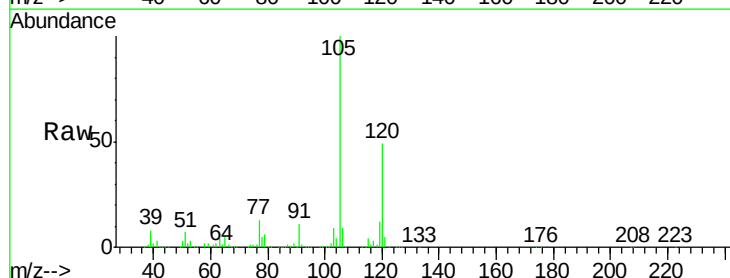
Acq: 08 Jan 2020 12:53

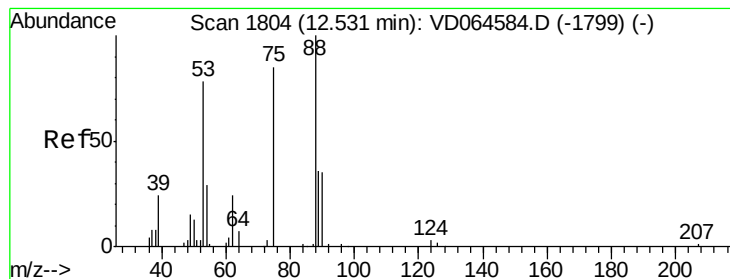
Tgt Ion: 105 Resp: 681867

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.121 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

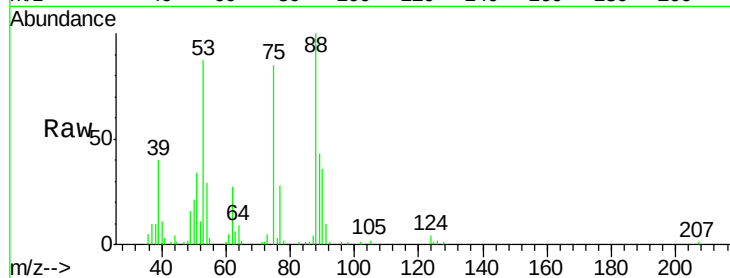
Tgt Ion: 75 Resp: 45834

Ion Ratio Lower Upper

75 100

53 96.1 78.8 118.2

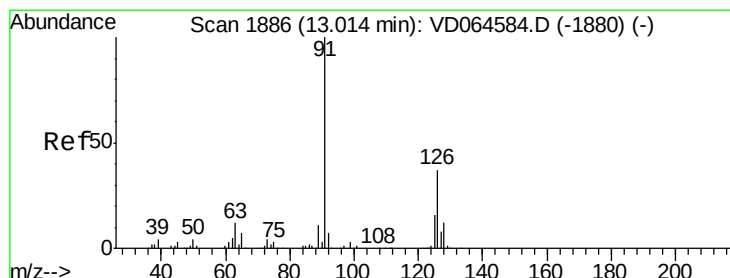
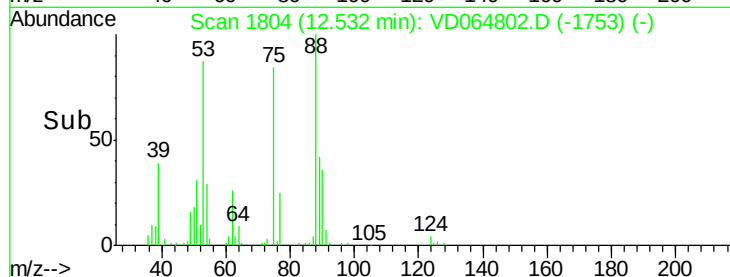
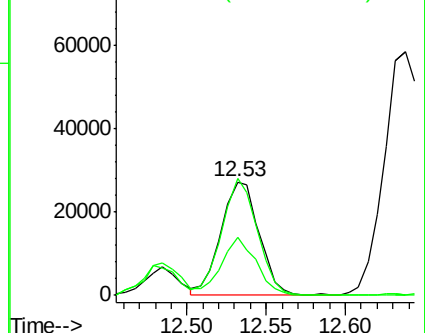
89 45.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.801 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064802.D

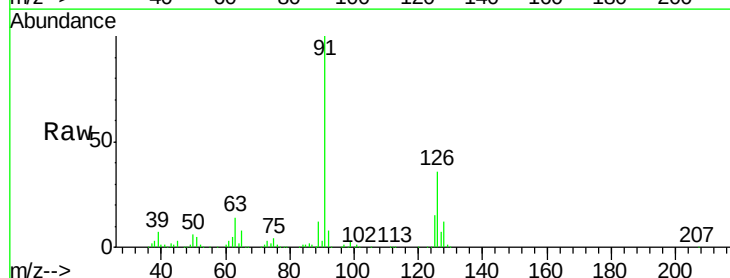
Acq: 08 Jan 2020 12:53

Tgt Ion: 91 Resp: 566747

Ion Ratio Lower Upper

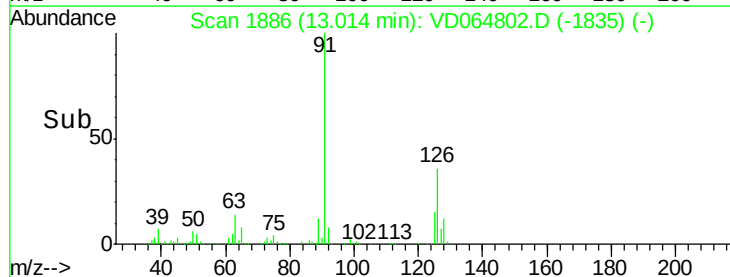
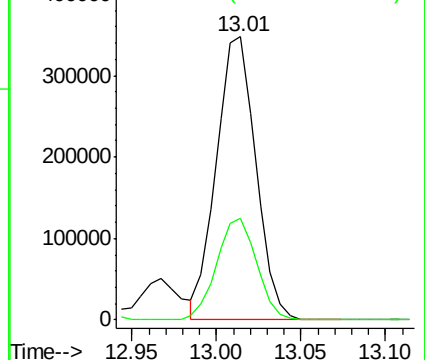
91 100

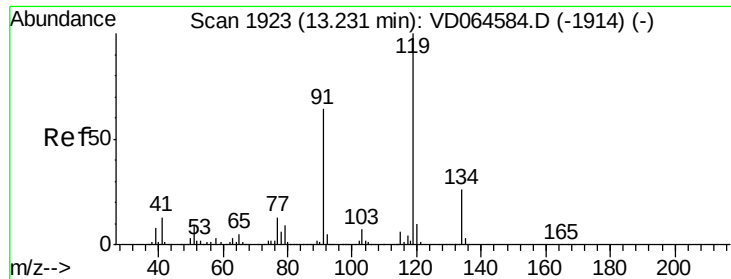
126 36.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

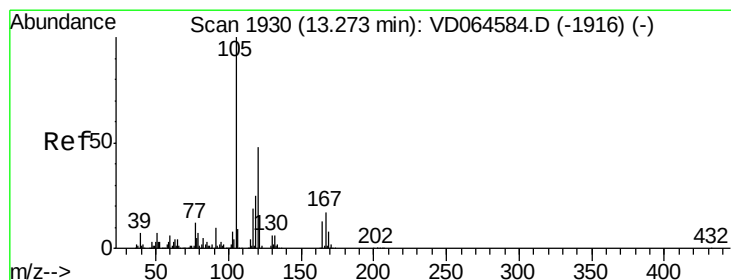
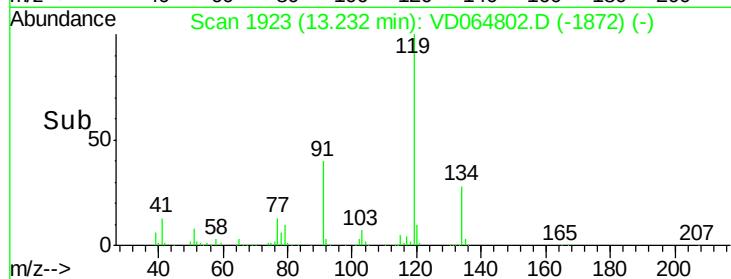
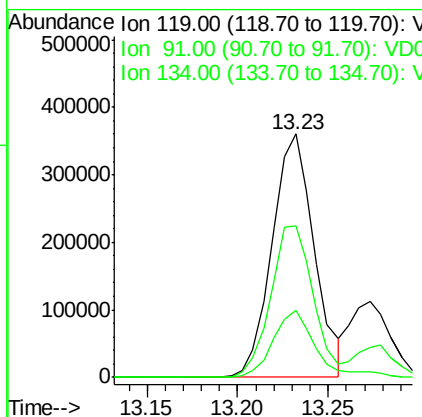
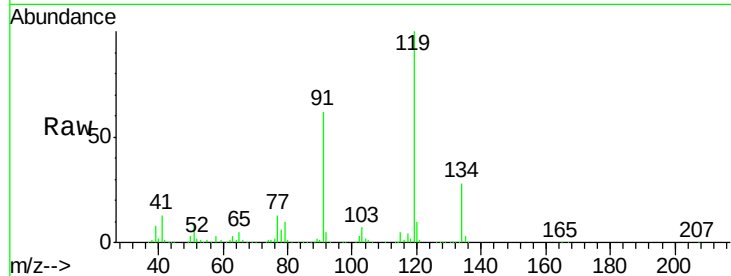




#83
 tert-Butylbenzene
 Concen: 52.082 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

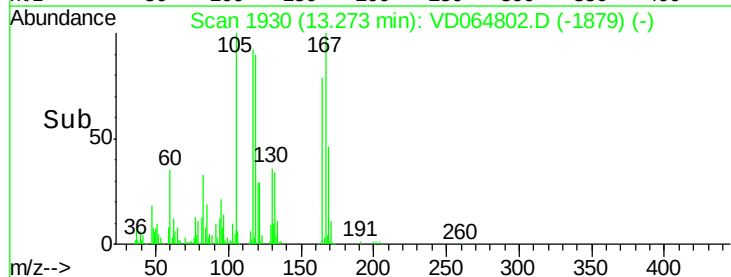
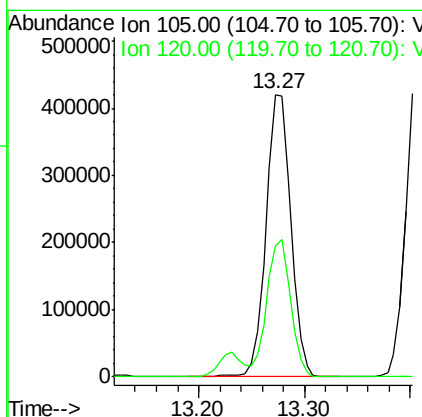
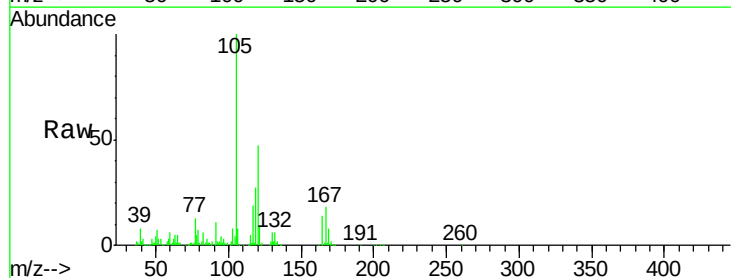
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

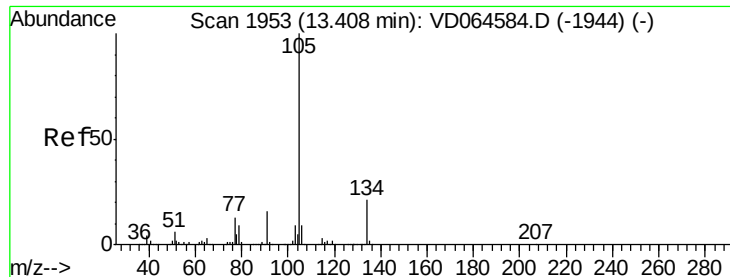
Tgt Ion:119 Resp: 584620
 Ion Ratio Lower Upper
 119 100
 91 62.6 30.8 92.4
 134 28.2 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.174 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion:105 Resp: 684644
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 52.544 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

Instrument :

MSVOA_D

ClientSampleId :

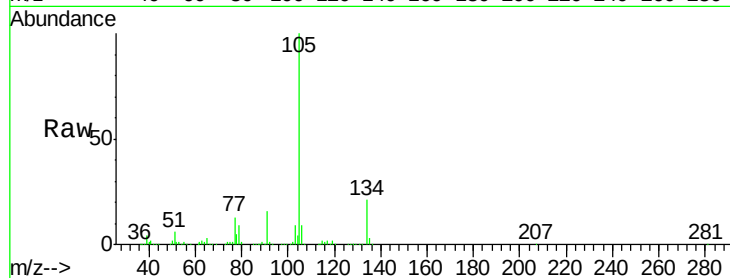
VSTD05006

Tgt Ion:105 Resp: 808584

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

500000

400000

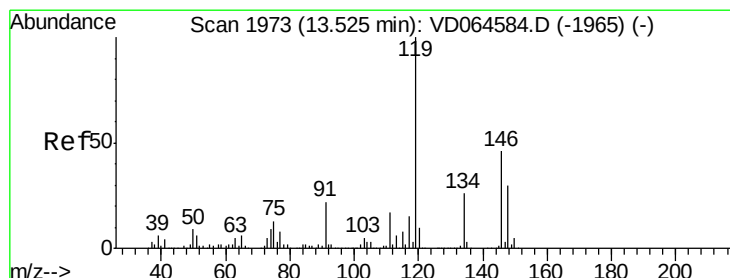
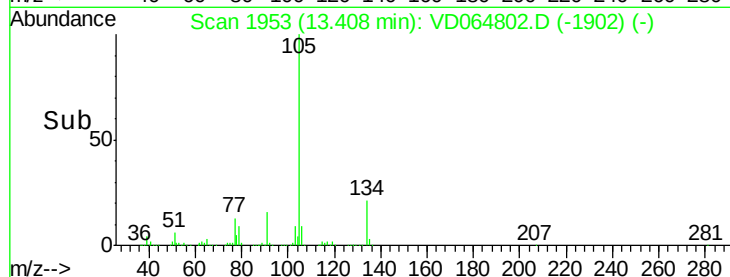
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 52.195 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064802.D

Acq: 08 Jan 2020 12:53

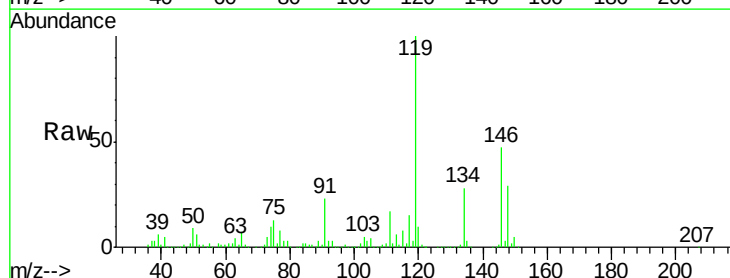
Tgt Ion:119 Resp: 768025

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 23.0 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

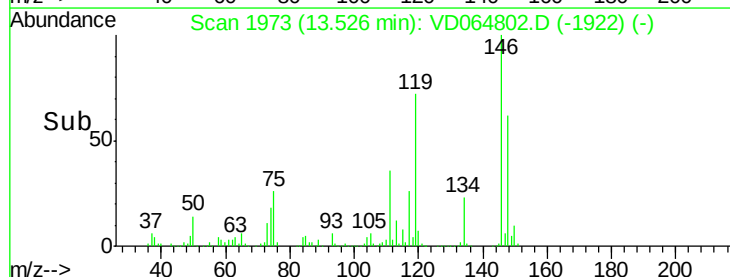
600000

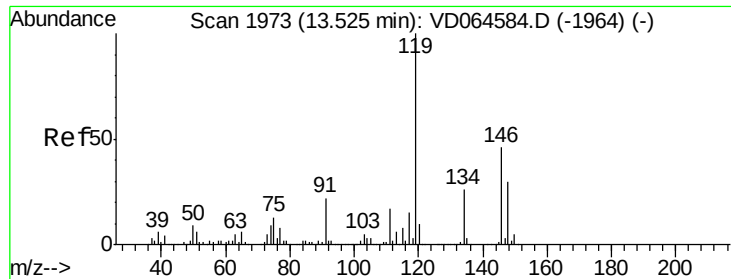
400000

200000

0

Time--> 13.40 13.50 13.60

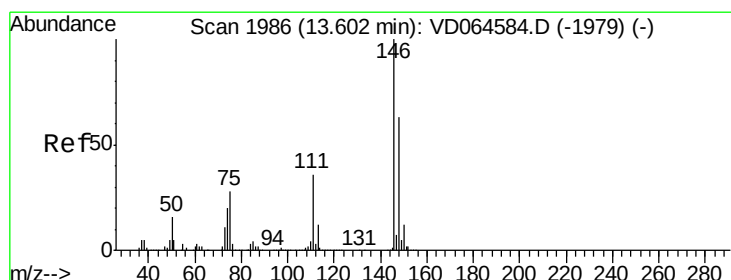
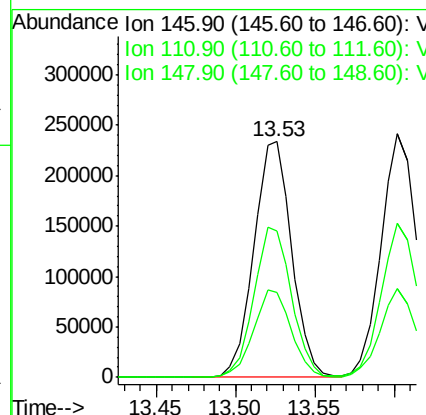
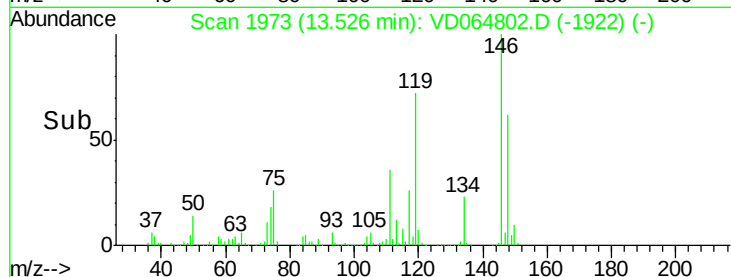
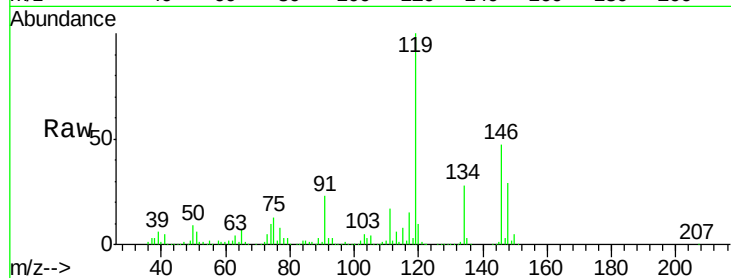




#87
 1,3-Dichlorobenzene
 Concen: 52.587 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

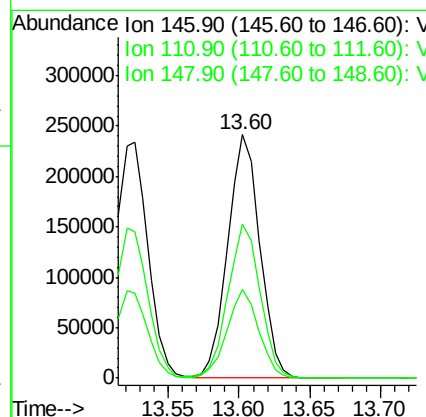
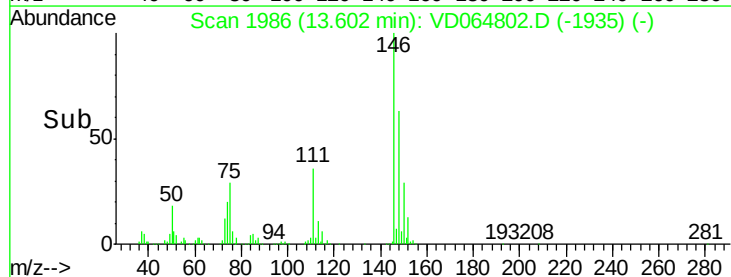
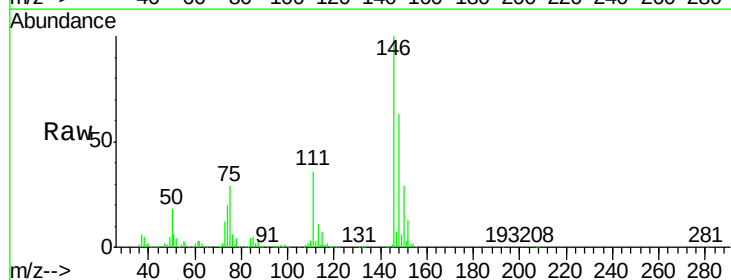
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

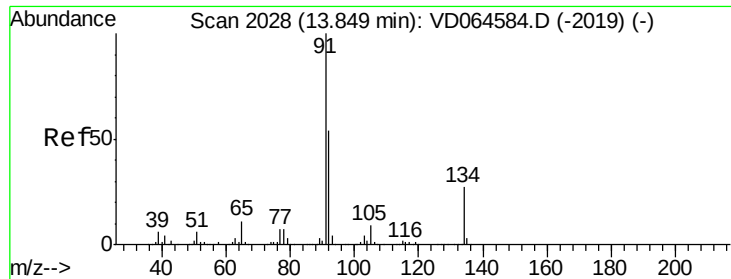
Tgt Ion:146 Resp: 387669
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 63.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.751 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion:146 Resp: 382028
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 63.5 32.3 96.9

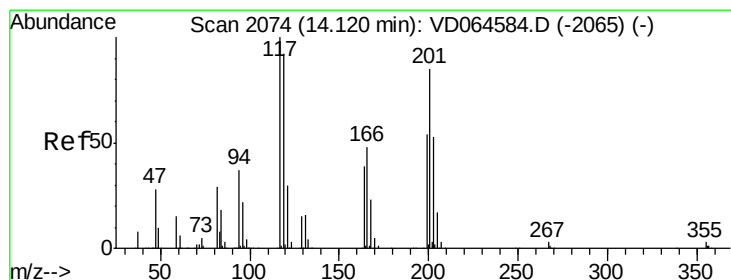
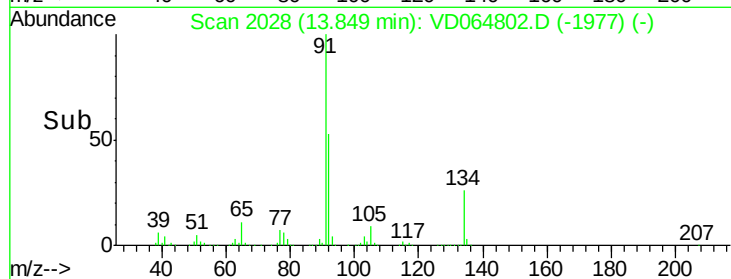
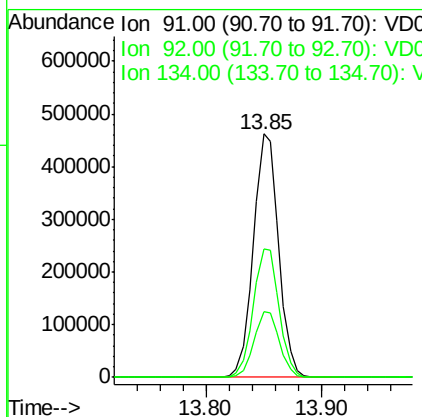
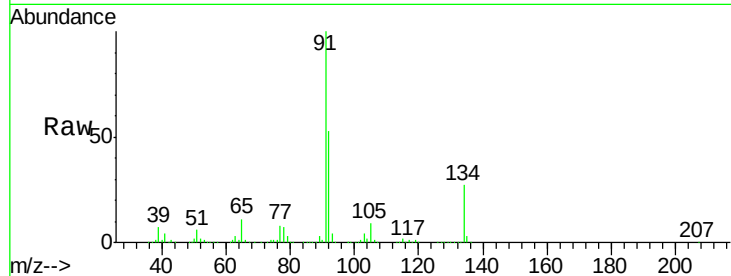




#89
n-Butylbenzene
Concen: 52.926 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

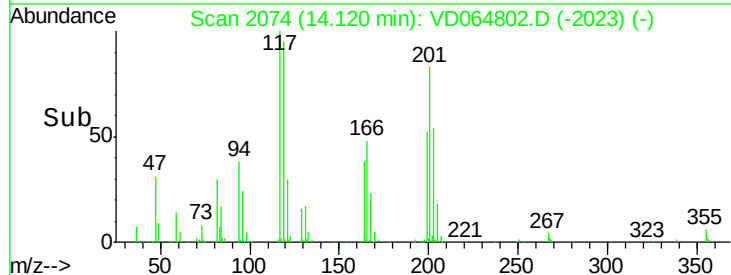
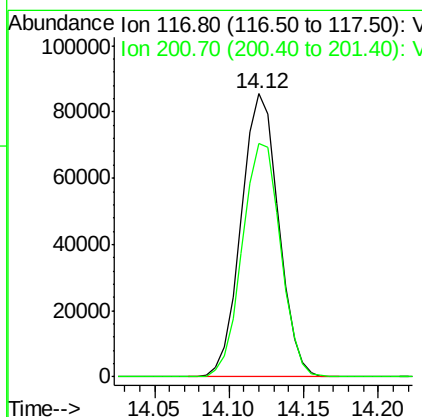
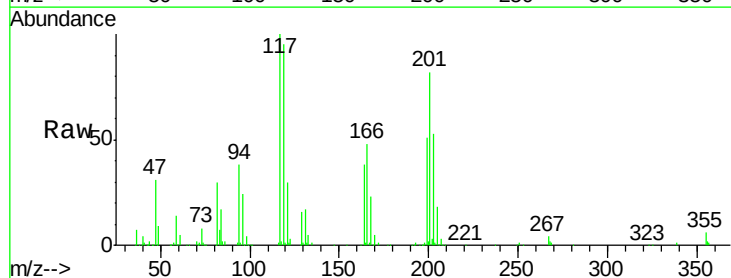
Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

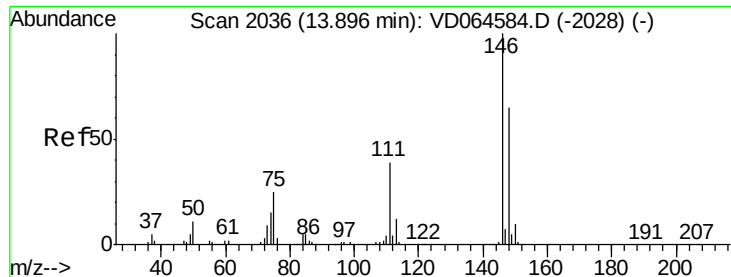
Tgt Ion: 91 Resp: 701318
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 52.713 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion: 117 Resp: 148163
Ion Ratio Lower Upper
117 100
201 84.5 44.0 131.8

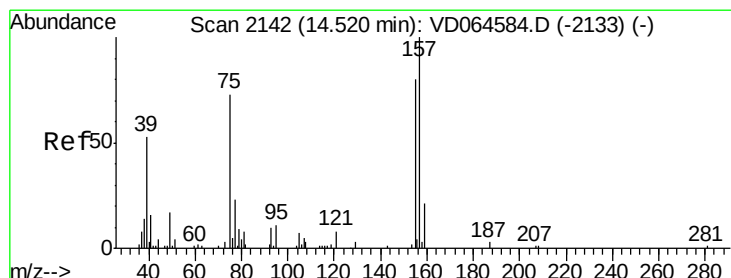
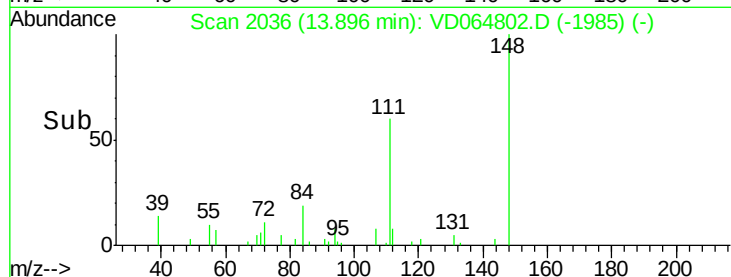
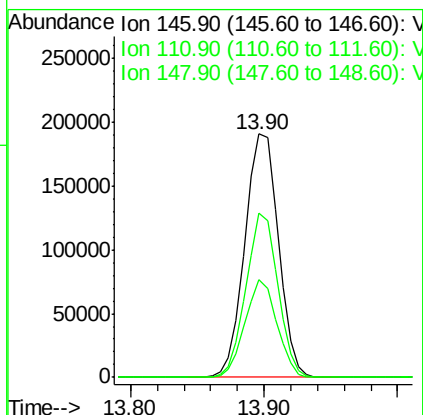
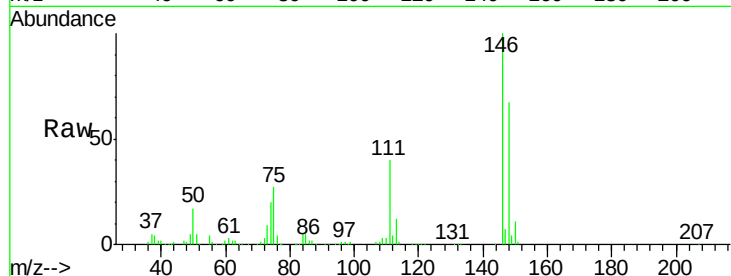




#91
 1,2-Dichlorobenzene
 Concen: 52.720 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

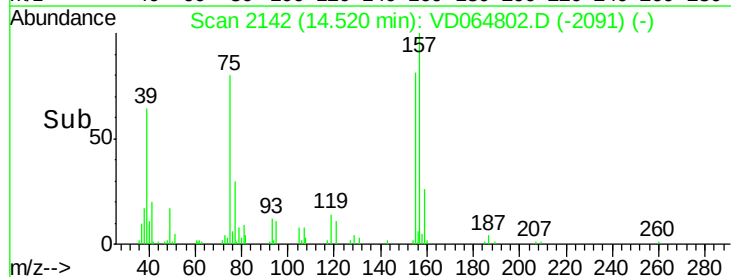
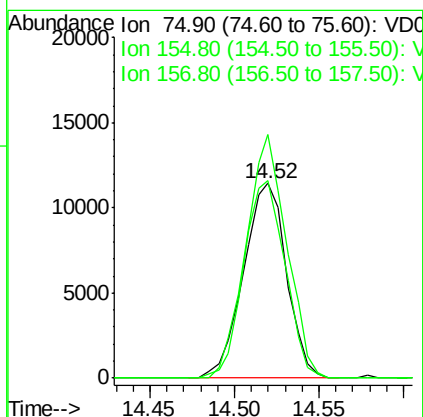
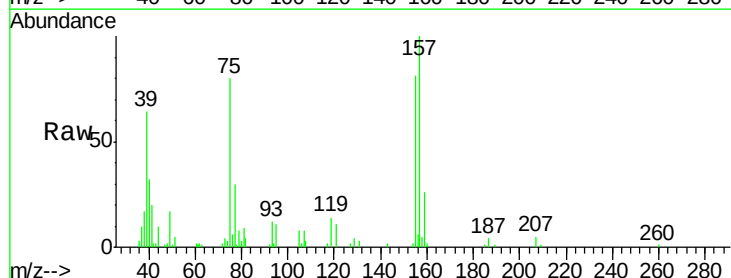
Instrument :
 MSVOA_D
 ClientSampled :
 VSTD05006

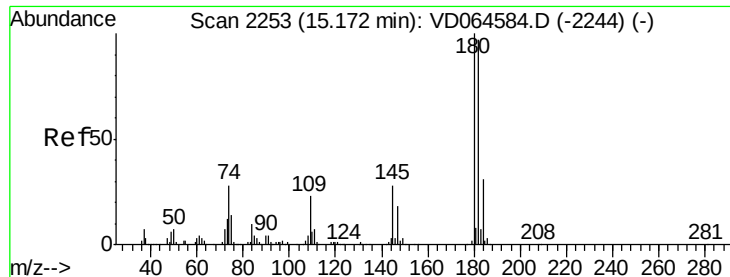
Tgt Ion: 146 Resp: 331407
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.9
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.523 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion: 75 Resp: 20249
 Ion Ratio Lower Upper
 75 100
 155 97.5 48.0 144.0
 157 118.4 64.1 192.3

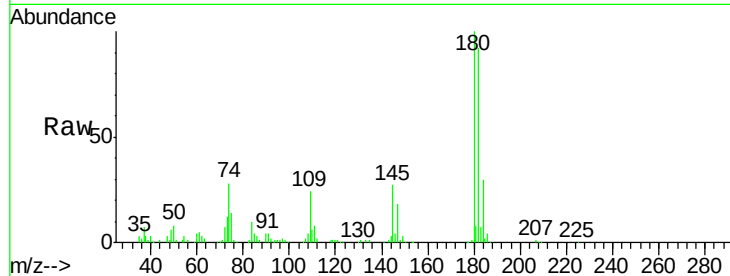




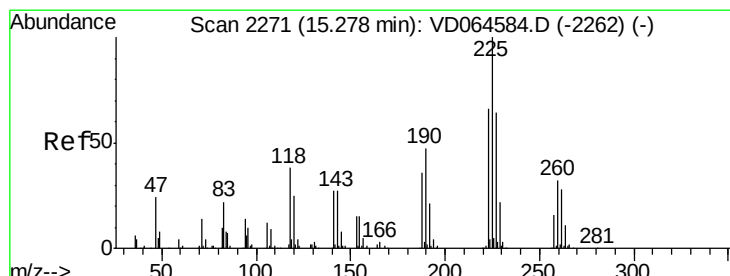
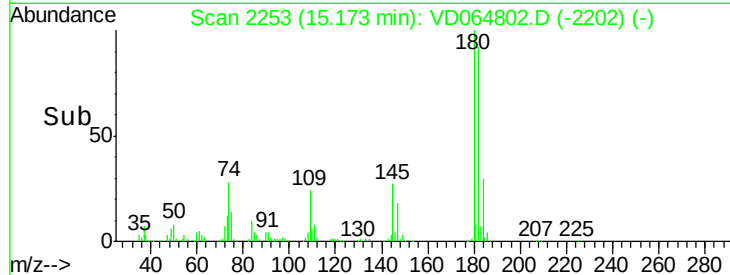
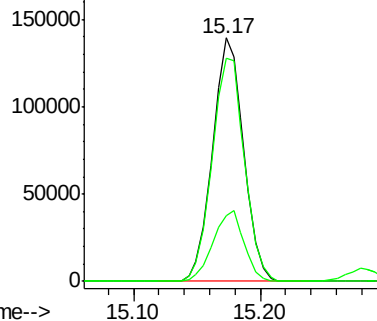
#93
 1,2,4-Trichlorobenzene
 Concen: 51.087 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tgt Ion:180 Resp: 236460
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 29.0 13.8 41.4

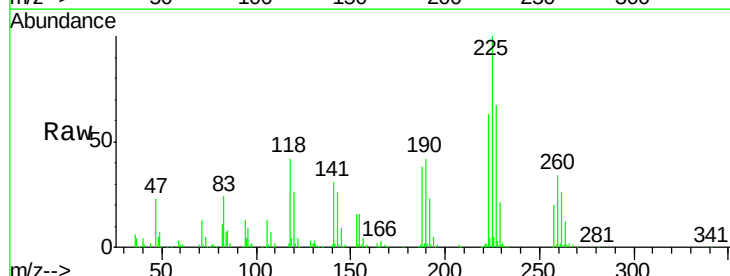


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

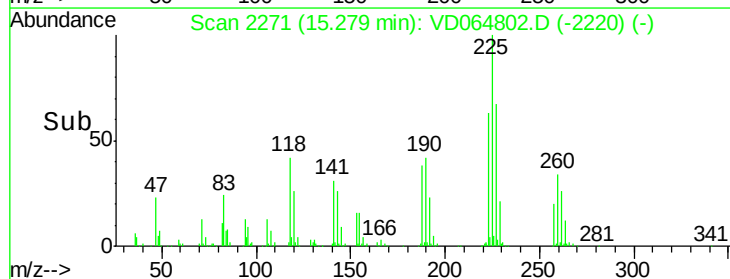
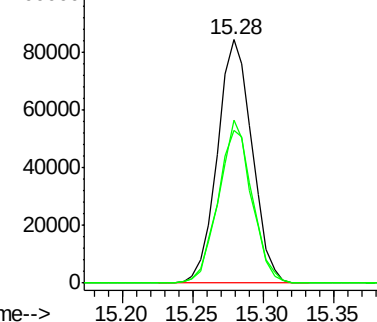


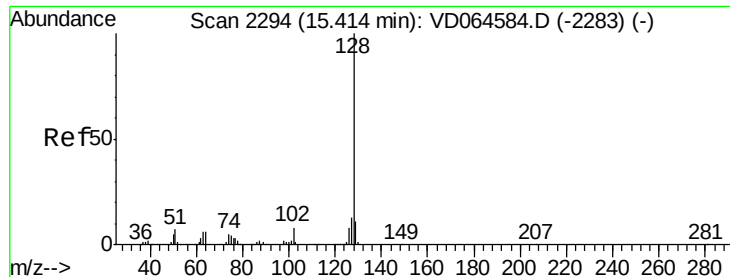
#94
 Hexachlorobutadiene
 Concen: 49.795 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064802.D
 Acq: 08 Jan 2020 12:53

Tgt Ion:225 Resp: 145033
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.3 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

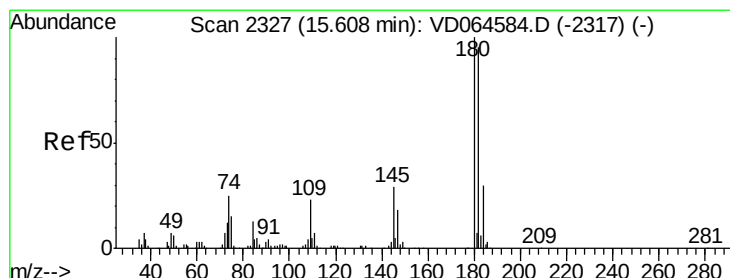
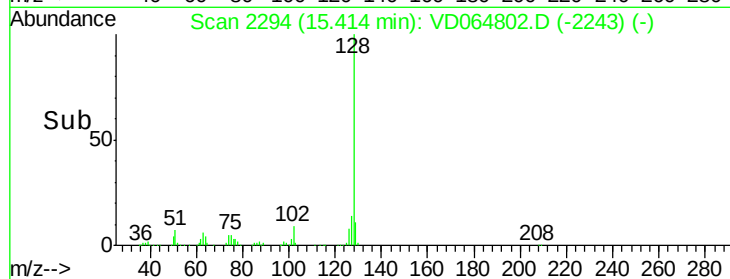
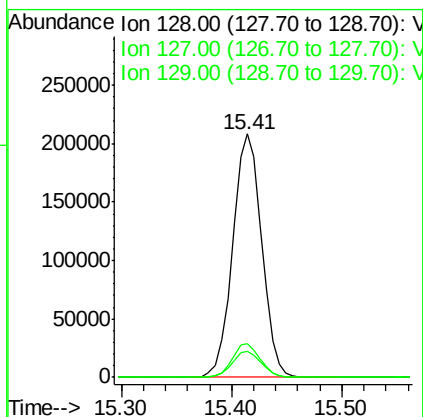
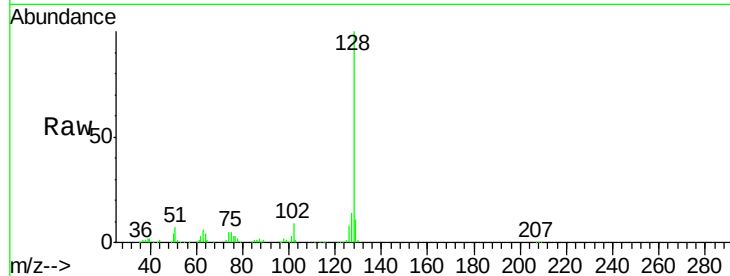




#95
Naphthalene
Concen: 52.335 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Instrument :
MSVOA_D
ClientSampled :
VSTD05006

Tgt Ion:128 Resp: 383219
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.964 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064802.D
Acq: 08 Jan 2020 12:53

Tgt Ion:180 Resp: 201380
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 30.8 14.9 44.7

