

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064591.D
 Acq On : 26 Dec 2019 11:20
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:37:39 2019
 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	471956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	668661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290511	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	212982	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	7.91	113	215584	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.34	98	833700	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.64	95	266887	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	72887	19.872	ug/l	98
3) Chloromethane	2.21	50	103324	20.143	ug/l	99
4) Vinyl Chloride	2.35	62	119688	19.137	ug/l	98
5) Bromomethane	2.76	94	88621	19.488	ug/l	92
6) Chloroethane	2.92	64	82837	19.766	ug/l	94
7) Trichlorofluoromethane	3.27	101	207675	19.720	ug/l	99
8) Diethyl Ether	3.70	74	40707	19.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	85132	19.520	ug/l	98
10) Methyl Iodide	4.29	142	87043	18.580	ug/l	99
11) Tert butyl alcohol	5.24	59	21990	92.199	ug/l	99
12) 1,1-Dichloroethene	4.06	96	83254	20.051	ug/l	96
13) Acrolein	3.93	56	27896	83.924	ug/l	98
14) Allyl chloride	4.71	41	130196	20.111	ug/l	99
15) Acrylonitrile	5.43	53	82951	95.229	ug/l	98
16) Acetone	4.16	43	80243	87.579	ug/l	98
17) Carbon Disulfide	4.40	76	267448	19.920	ug/l	100
18) Methyl Acetate	4.71	43	43024	18.363	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	175629	19.043	ug/l	92
20) Methylene Chloride	4.96	84	92896	18.774	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	92612	19.585	ug/l	92
22) Diisopropyl ether	6.37	45	249083	19.290	ug/l	97
23) Vinyl Acetate	6.31	43	704637	96.199	ug/l	99
24) 1,1-Dichloroethane	6.26	63	158066	20.391	ug/l	98
25) 2-Butanone	7.22	43	108433	94.789	ug/l	98
26) 2,2-Dichloropropane	7.21	77	142485	19.770	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99091	19.417	ug/l	96
28) Bromochloromethane	7.54	49	53602	17.788	ug/l	96
29) Tetrahydrofuran	7.57	42	66288	93.181	ug/l	97
30) Chloroform	7.71	83	161794	19.894	ug/l	95
31) Cyclohexane	7.98	56	150547	19.401	ug/l	# 91
32) 1,1,1-Trichloroethane	7.90	97	149488	19.569	ug/l	99
36) 1,1-Dichloropropene	8.11	75	131215	20.388	ug/l	100
37) Ethyl Acetate	7.30	43	49248	19.479	ug/l	99
38) Carbon Tetrachloride	8.10	117	135413	19.732	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160904	20.642	ug/l	100
40) Benzene	8.35	78	352609	20.070	ug/l	97
41) Methacrylonitrile	7.54	41	29789	20.307	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	102413	20.172	ug/l	100
43) Isopropyl Acetate	8.46	43	96298	19.135	ug/l	96
44) Trichloroethene	9.11	130	103315	20.017	ug/l	90
45) 1,2-Dichloropropane	9.39	63	83428	19.888	ug/l	97
46) Dibromomethane	9.47	93	47100	20.139	ug/l	97
47) Bromodichloromethane	9.67	83	122543	19.691	ug/l	98
48) Methyl methacrylate	9.46	41	43090	18.185	ug/l	91
49) 1,4-Dioxane	9.47	88	9844	365.029	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	231899	93.229	ug/l	100
52) Toluene	10.40	92	226930	19.687	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112770	19.436	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	137441	20.089	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	60659	19.245	ug/l	97
56) Ethyl methacrylate	10.66	69	74323	18.881	ug/l	98
57) 1,3-Dichloropropane	10.95	76	106762	19.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	149283	99.541	ug/l	99
59) 2-Hexanone	10.98	43	158338	93.787	ug/l	99
60) Dibromochloromethane	11.14	129	85232	19.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61856	19.897	ug/l	96
64) Tetrachloroethene	10.87	164	88900	19.422	ug/l	97
65) Chlorobenzene	11.67	112	245277	19.808	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	91735	19.651	ug/l	98
67) Ethyl Benzene	11.75	91	437426	19.462	ug/l	100
68) m/p-Xylenes	11.86	106	337948	38.956	ug/l	99
69) o-Xylene	12.18	106	151588	19.346	ug/l	99
70) Styrene	12.20	104	265596	19.311	ug/l	99
71) Bromoform	12.36	173	50236	18.871	ug/l #	99
73) Isopropylbenzene	12.48	105	422065	20.330	ug/l	100
74) N-amyl acetate	12.29	43	87182	19.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63089	19.345	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	86459	37.688	ug/l #	100
77) Bromobenzene	12.77	156	102036	20.002	ug/l	98
78) n-propylbenzene	12.83	91	487871	20.143	ug/l	100
79) 2-Chlorotoluene	12.91	91	269998	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345287	20.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21062	19.202	ug/l	96
82) 4-Chlorotoluene	13.01	91	281893	19.909	ug/l	98
83) tert-Butylbenzene	13.23	119	301403	20.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	339387	19.982	ug/l	98
85) sec-Butylbenzene	13.41	105	410912	20.242	ug/l	100
86) p-Isopropyltoluene	13.52	119	383815	19.774	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	193097	19.857	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191669	20.064	ug/l	99
89) n-Butylbenzene	13.85	91	356395	20.389	ug/l	99
90) Hexachloroethane	14.12	117	71620	19.316	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	166405	20.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9941	18.803	ug/l	93

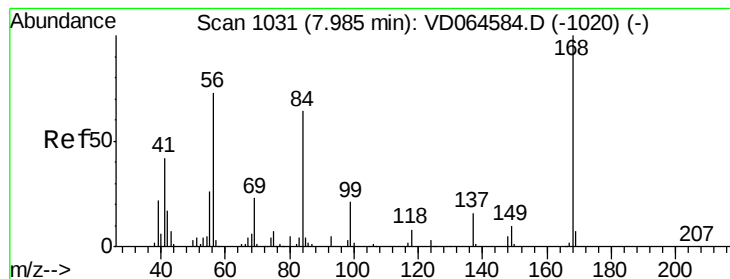
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120796	19.784	ug/l	98
94) Hexachlorobutadiene	15.28	225	75590	19.674	ug/l	98
95) Naphthalene	15.41	128	183813	19.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102090	19.586	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: VD064591.D

Acq: 26 Dec 2019 11:20

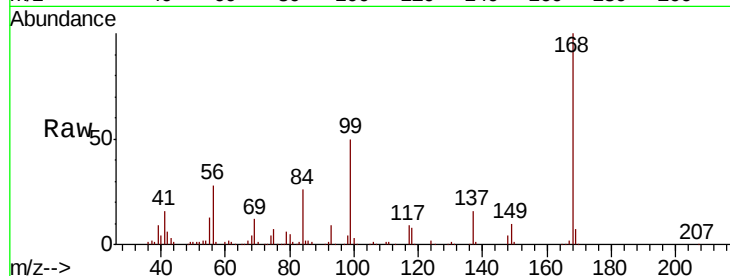
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 471956

Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

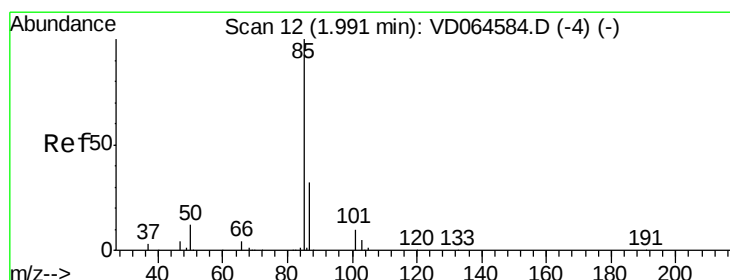
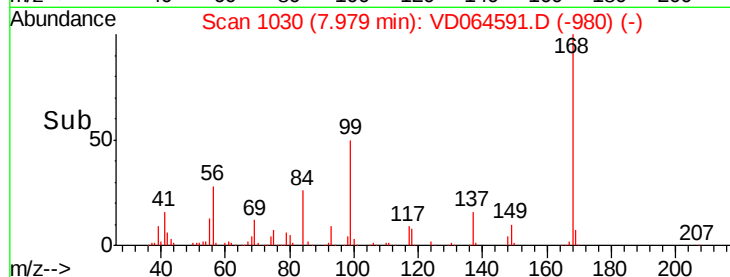
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.872 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064591.D

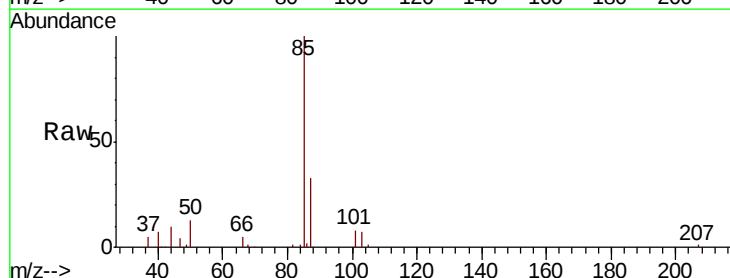
Acq: 26 Dec 2019 11:20

Tgt Ion: 85 Resp: 72887

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

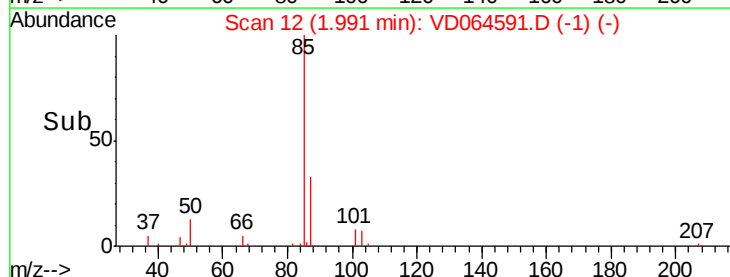
20000

10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.143 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

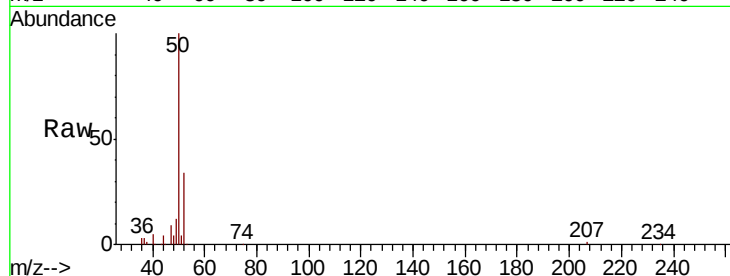
ClientSampleId :

Tot Ion: 50 Resp: 103324

Ion Ratio Lower Upper

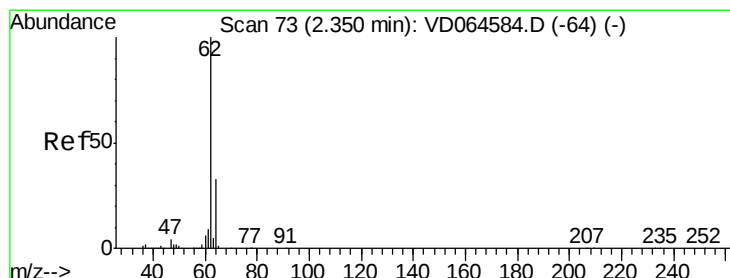
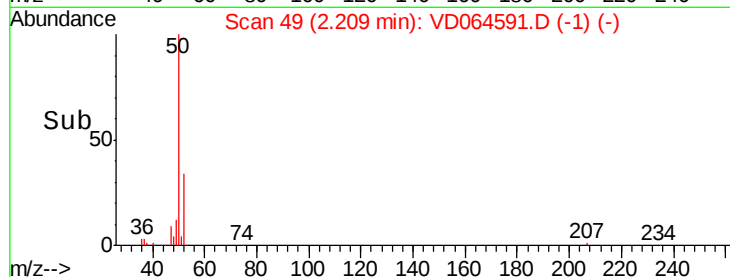
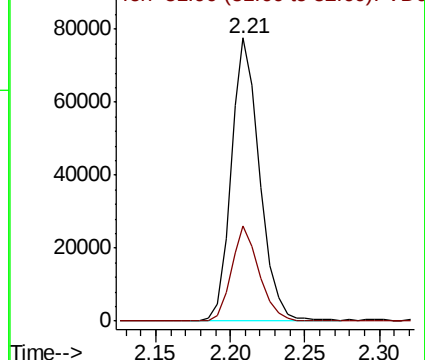
50 100

52 33.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.137 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064591.D

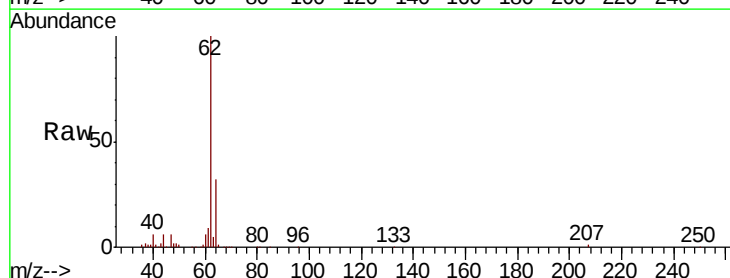
Acq: 26 Dec 2019 11:20

Tgt Ion: 62 Resp: 119688

Ion Ratio Lower Upper

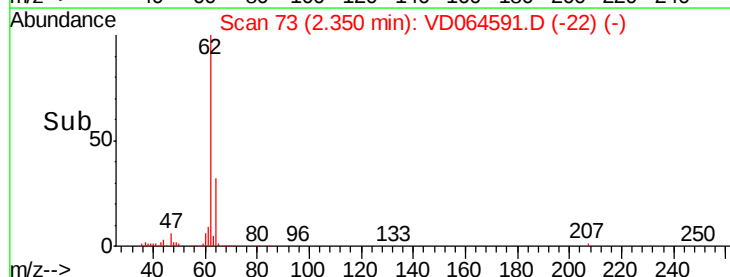
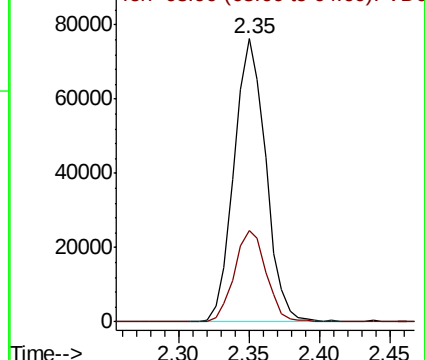
62 100

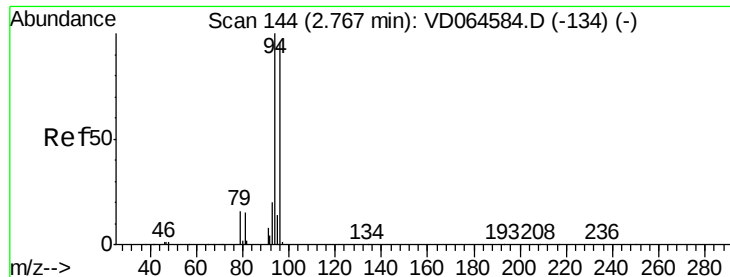
64 32.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.488 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

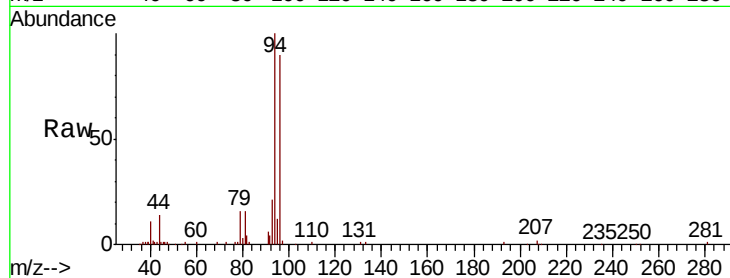
ClientSampleId :

Tot Ion: 94 Resp: 88621

Ion Ratio Lower Upper

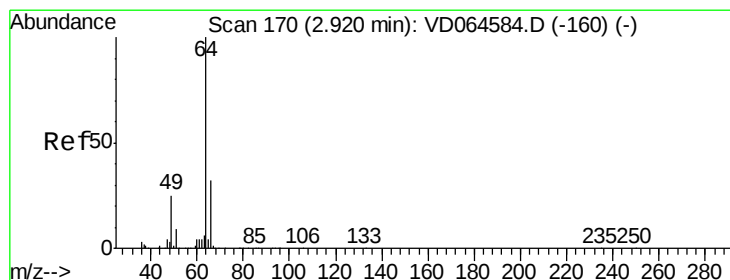
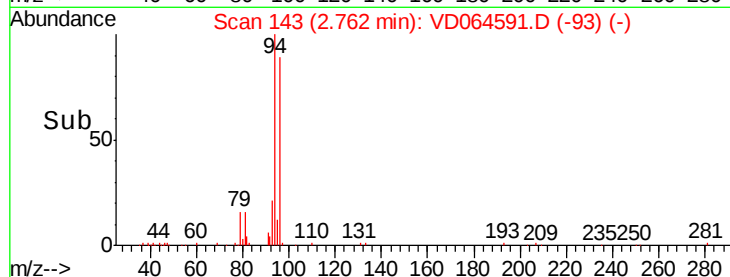
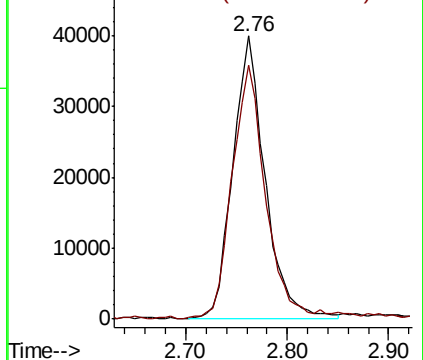
94 100

96 89.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.766 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064591.D

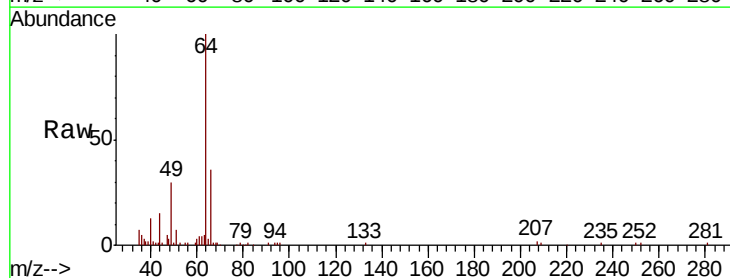
Acq: 26 Dec 2019 11:20

Tgt Ion: 64 Resp: 82837

Ion Ratio Lower Upper

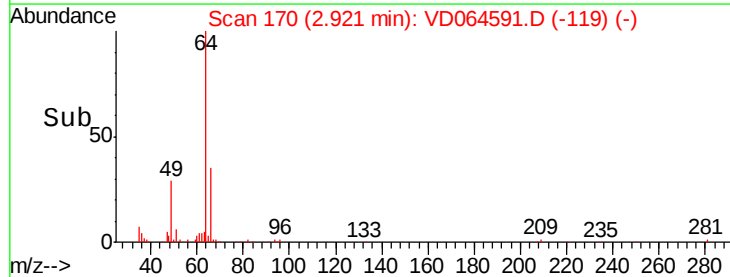
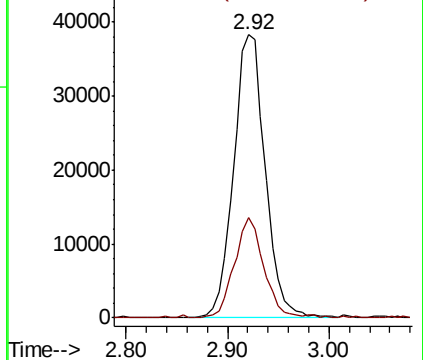
64 100

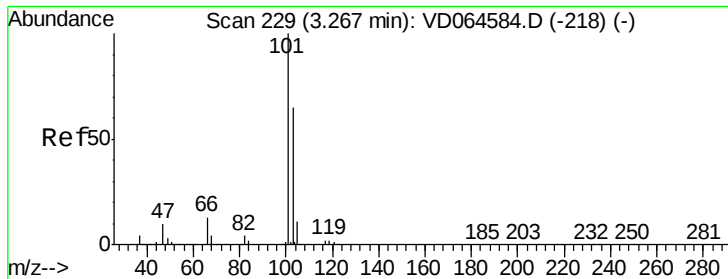
66 35.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



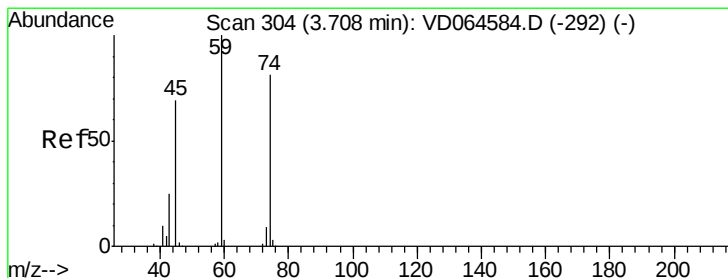
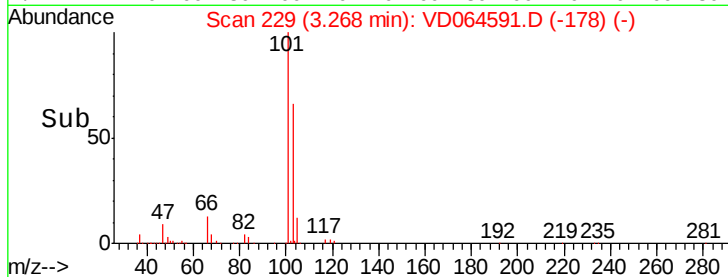
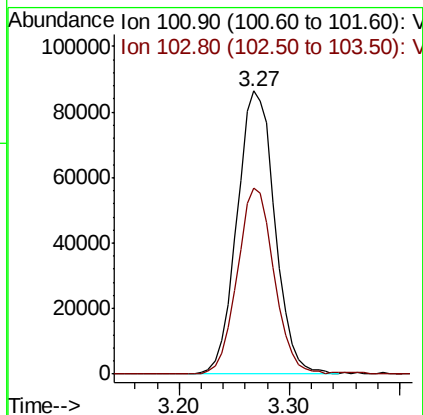
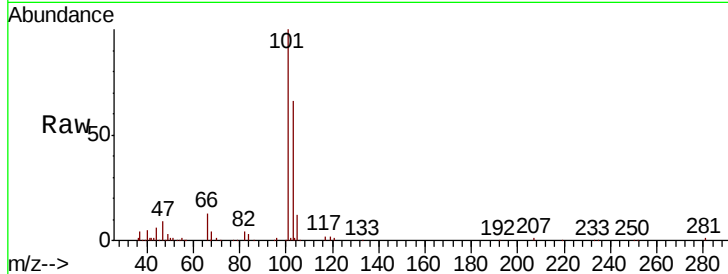


#7

Trichlorofluoromethane
 Concen: 19.720 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

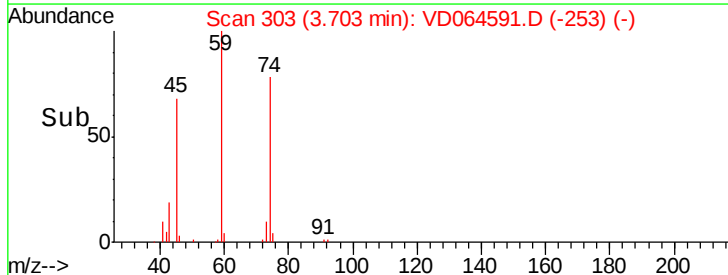
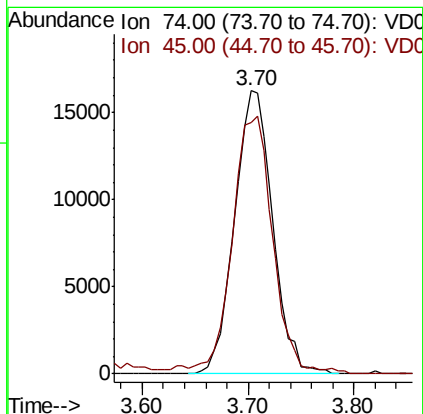
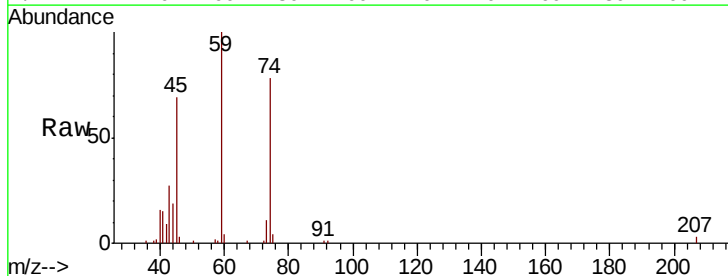
Tot Ion:101 Resp: 207675
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.2 78.4

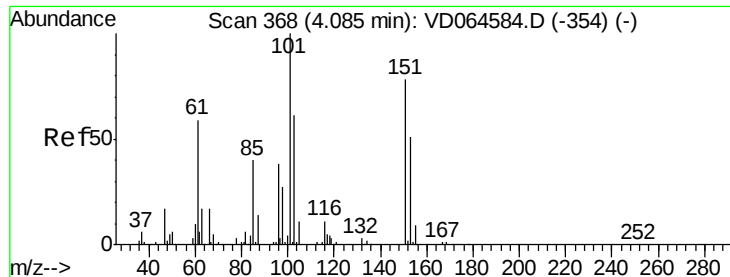


#8

Diethyl Ether
 Concen: 19.466 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 74 Resp: 40707
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.520 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

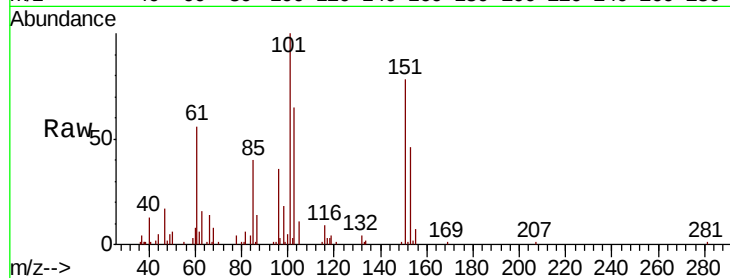
Tot Ion:101 Resp: 85132

Ion Ratio Lower Upper

101 100

85 45.3 35.2 52.8

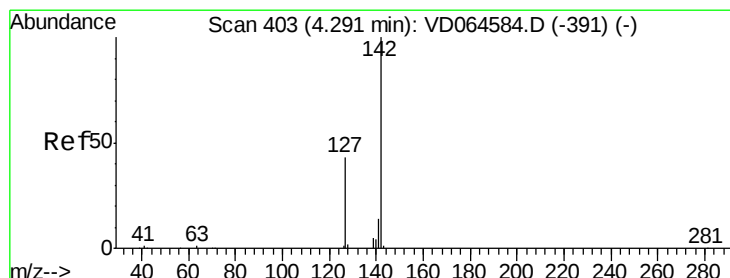
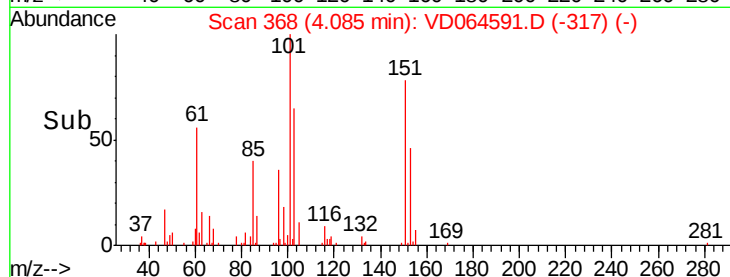
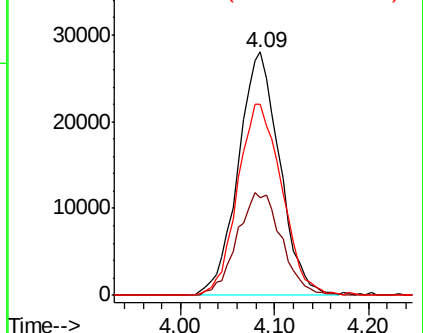
151 84.1 66.2 99.4



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: 18.580 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

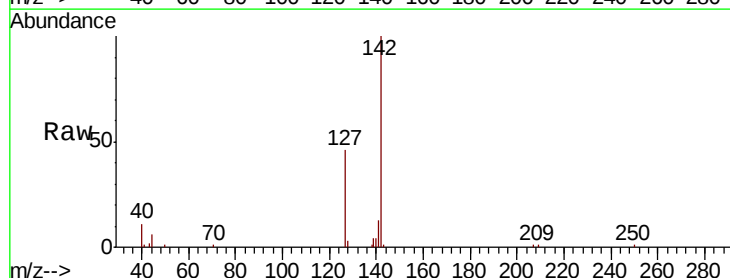
Tgt Ion:142 Resp: 87043

Ion Ratio Lower Upper

142 100

127 44.2 36.2 54.4

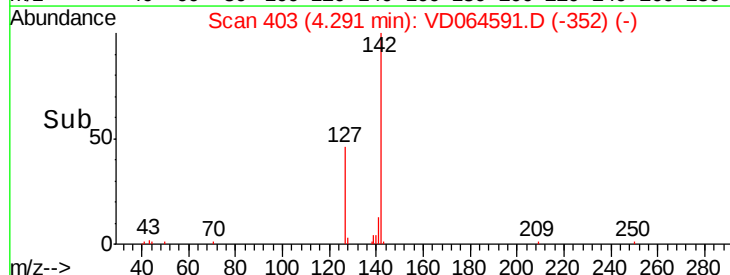
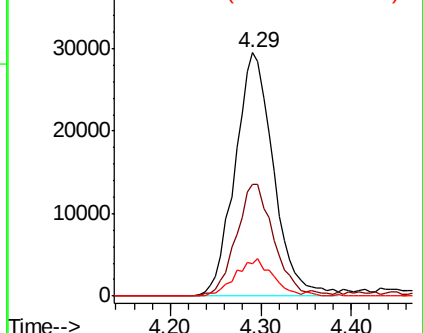
141 15.1 11.8 17.8



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



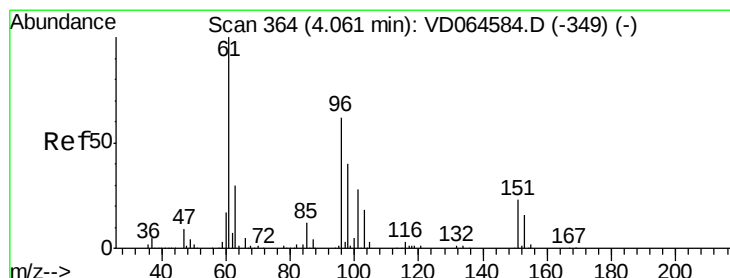
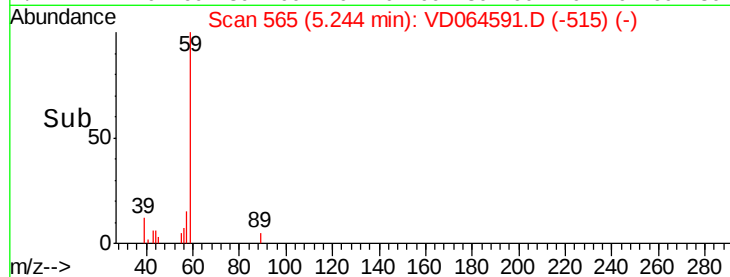
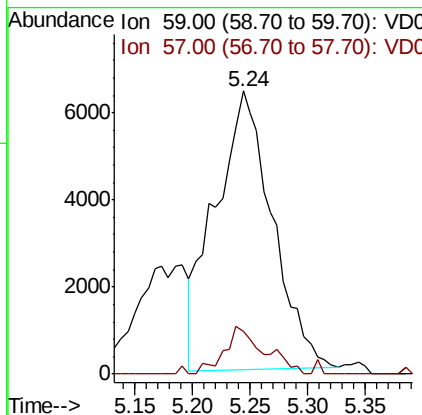
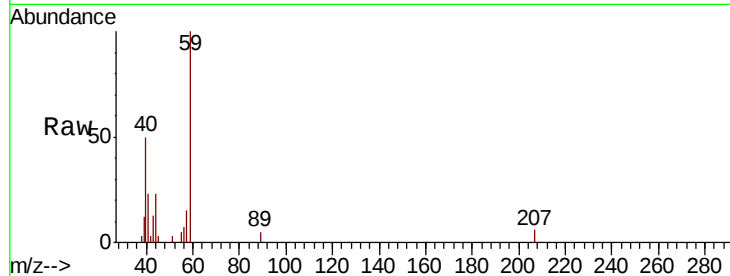


#11

Tert butyl alcohol
Concen: 92.199 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

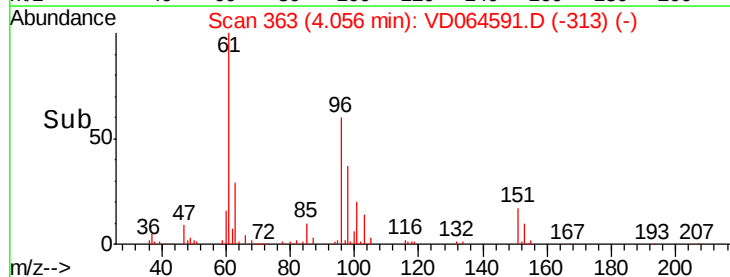
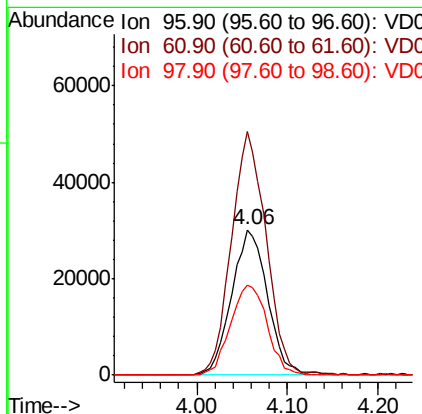
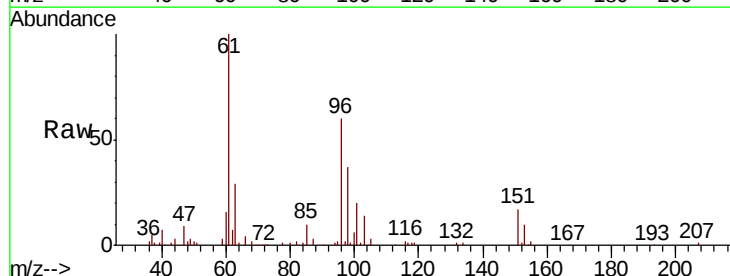
Tot Ion: 59 Resp: 21990
Ion Ratio Lower Upper
59 100
57 12.0 9.3 13.9

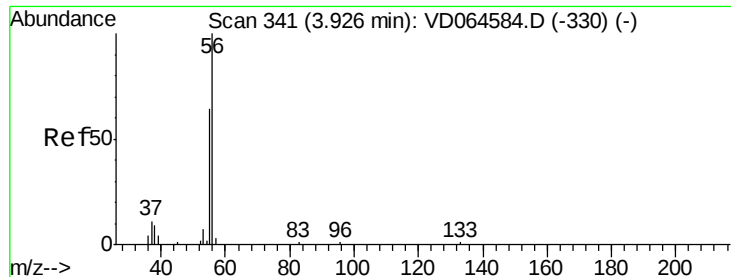


#12

1,1-Dichloroethene
Concen: 20.051 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 96 Resp: 83254
Ion Ratio Lower Upper
96 100
61 167.5 129.4 194.0
98 61.8 51.4 77.0





#13

Acrolein

Concen: 83.924 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

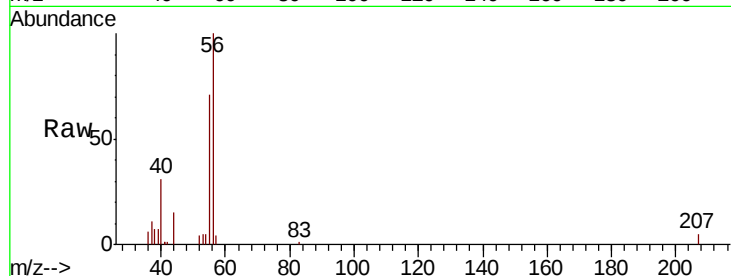
ClientSampleId :

Tot Ion: 56 Resp: 27896

Ion Ratio Lower Upper

56 100

55 69.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

12000

10000

8000

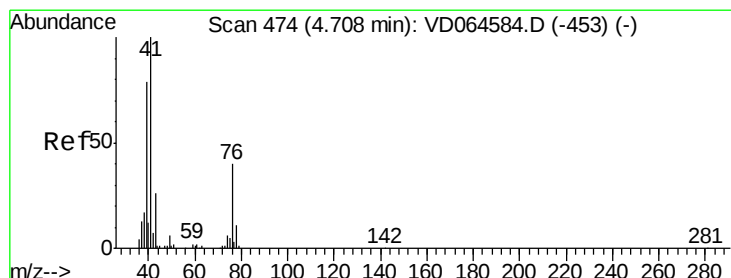
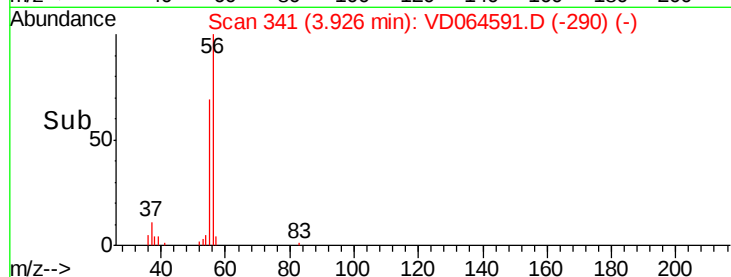
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.111 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

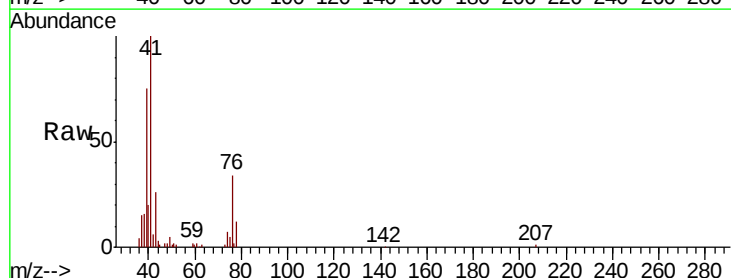
Tgt Ion: 41 Resp: 130196

Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

76 37.2 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

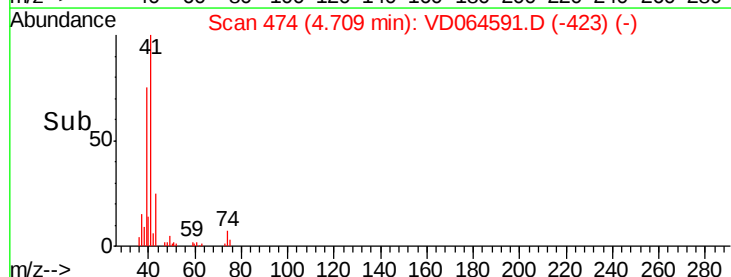
30000

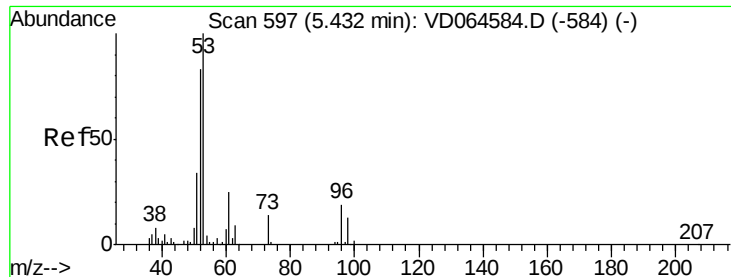
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 95.229 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

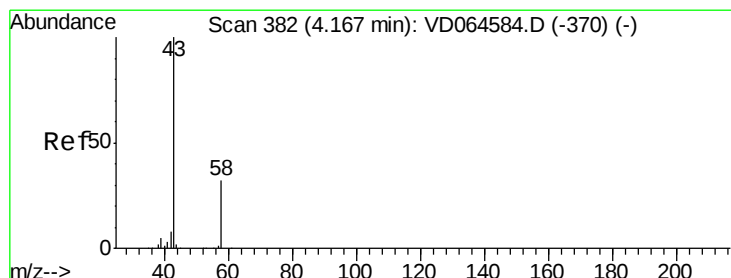
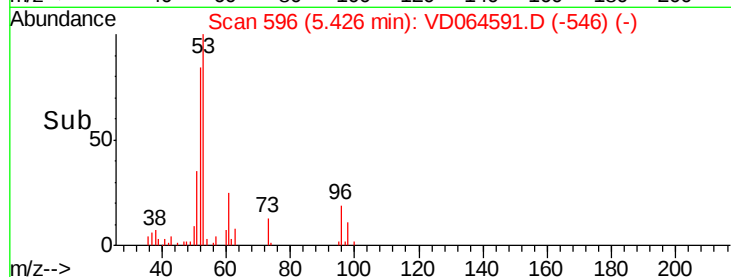
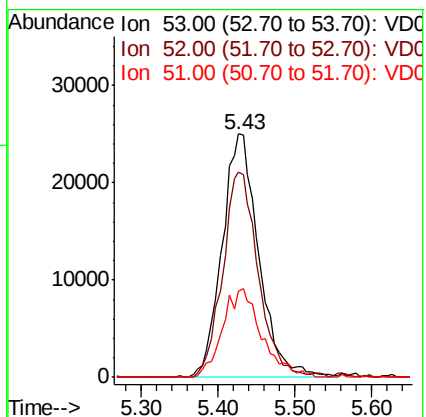
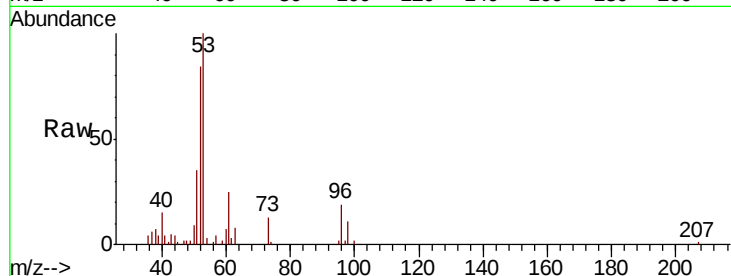
Tot Ion: 53 Resp: 82951

Ion Ratio Lower Upper

53 100

52 81.2 66.2 99.2

51 38.6 30.1 45.1



#16

Acetone

Concen: 87.579 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064591.D

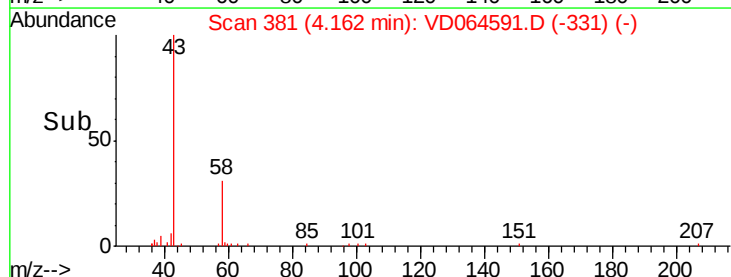
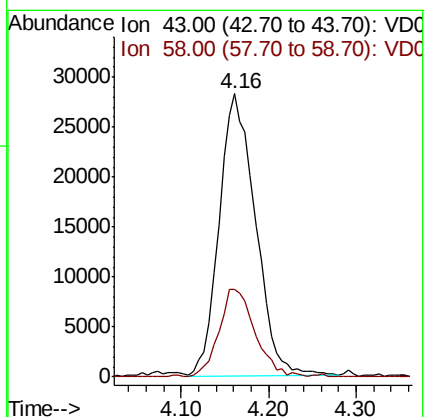
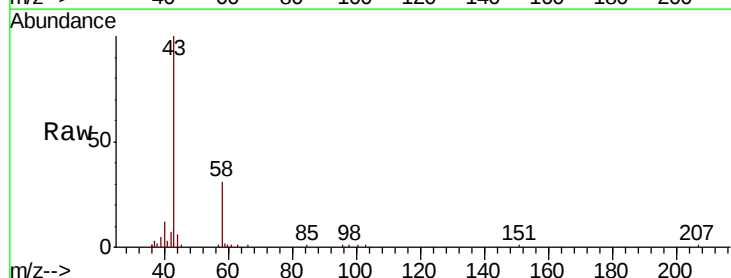
Acq: 26 Dec 2019 11:20

Tgt Ion: 43 Resp: 80243

Ion Ratio Lower Upper

43 100

58 31.1 25.8 38.6

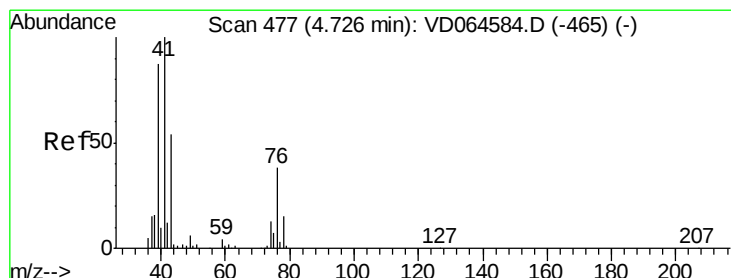
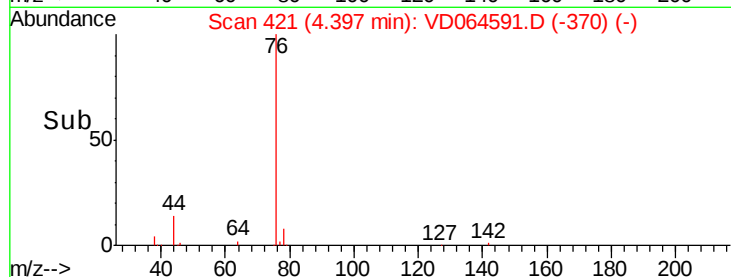
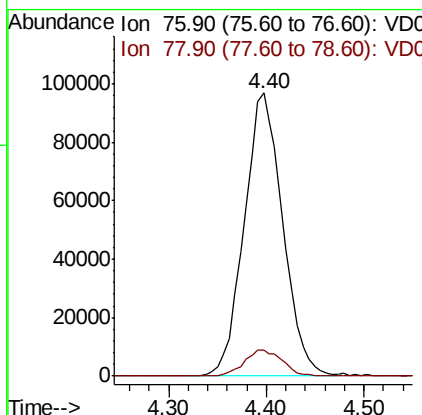
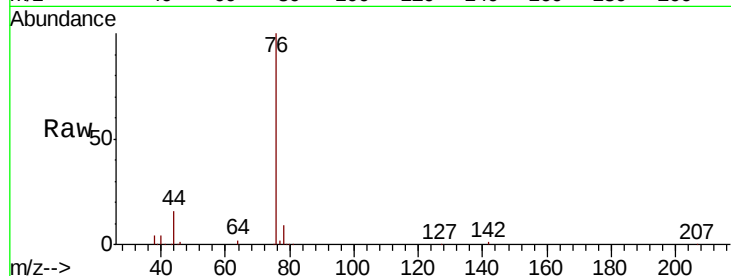




#17
Carbon Disulfide
Concen: 19.920 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

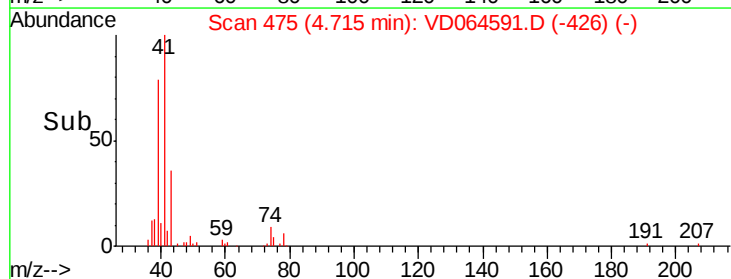
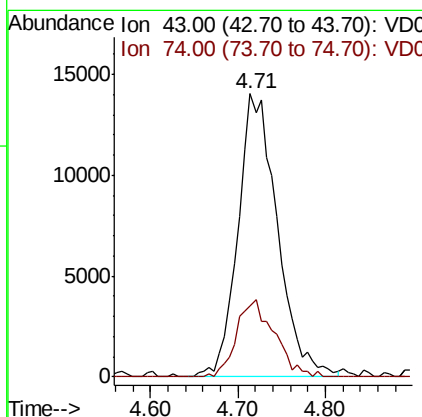
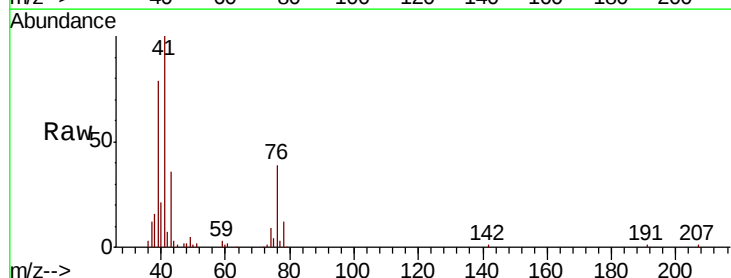
Instrument :
MSVOA_D
ClientSampled :

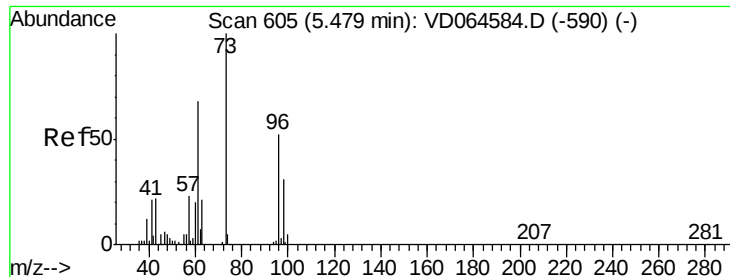
Tot Ion: 76 Resp: 267448
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 18.363 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 43 Resp: 43024
Ion Ratio Lower Upper
43 100
74 26.1 19.2 28.8

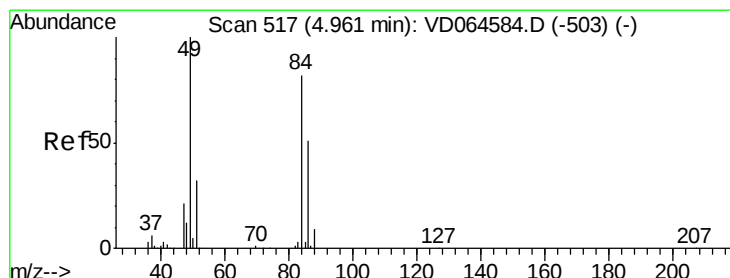
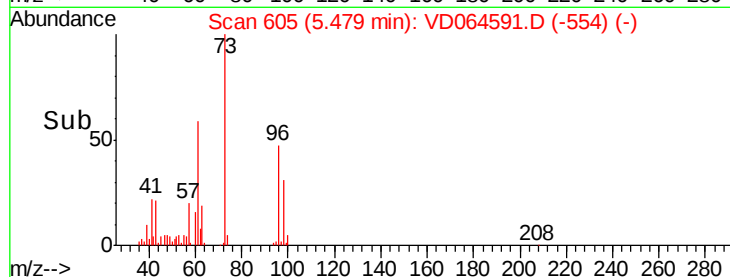
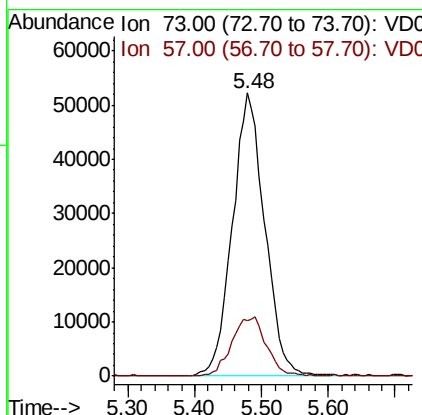
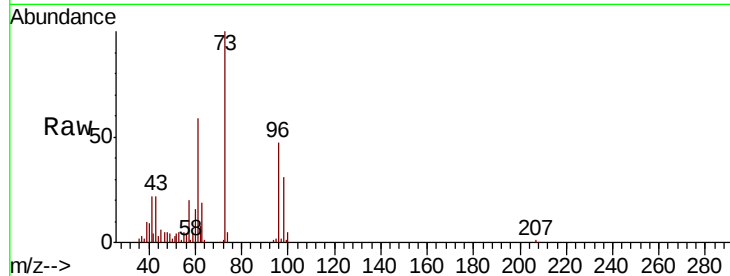




#19
Methyl tert-butyl Ether
Concen: 19.043 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

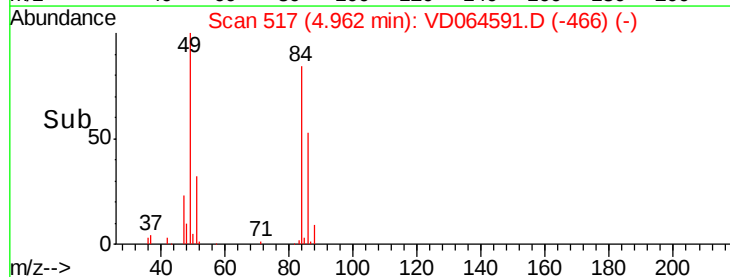
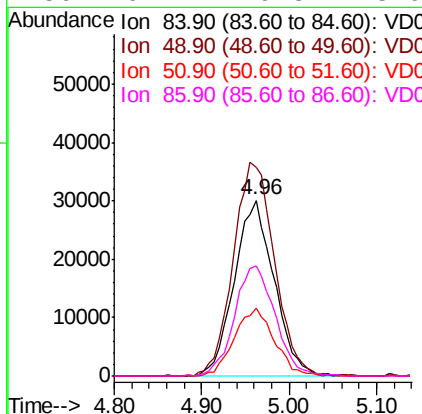
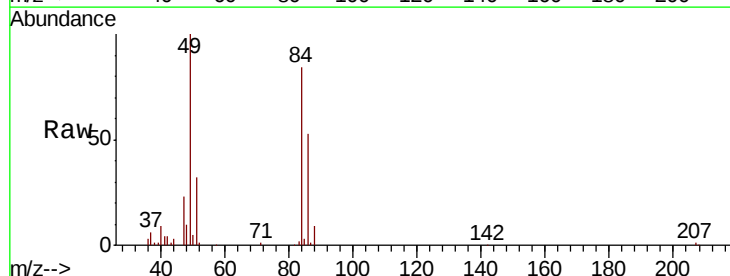
Instrument :
MSVOA_D
ClientSampleId :

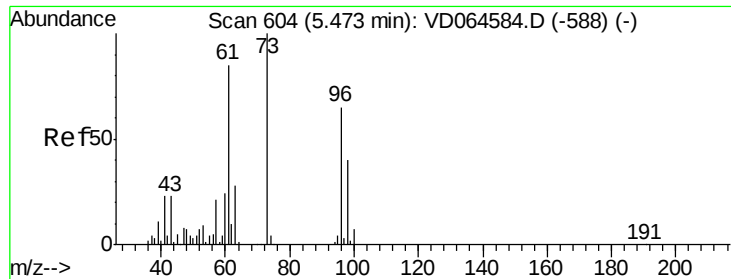
Tot Ion: 73 Resp: 175629
Ion Ratio Lower Upper
73 100
57 19.5 18.6 27.8



#20
Methylene Chloride
Concen: 18.774 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 84 Resp: 92896
Ion Ratio Lower Upper
84 100
49 119.0 97.2 145.8
51 38.6 31.4 47.0
86 62.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.585 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

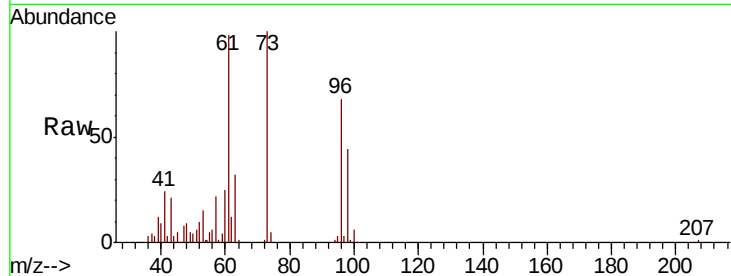
Tot Ion: 96 Resp: 92612

Ion Ratio Lower Upper

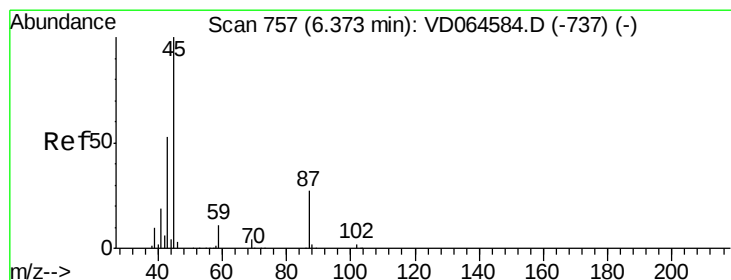
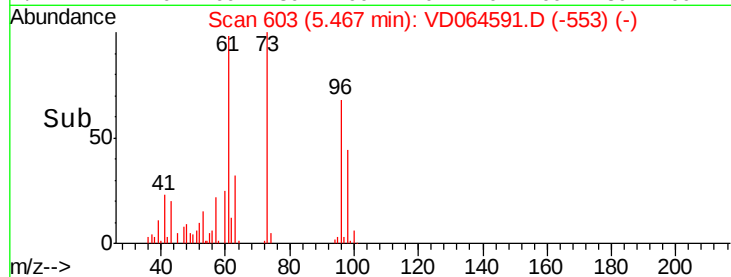
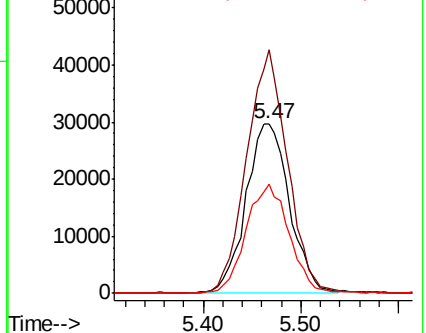
96 100

61 143.6 104.7 157.1

98 64.4 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: 19.290 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Tgt Ion: 45 Resp: 249083

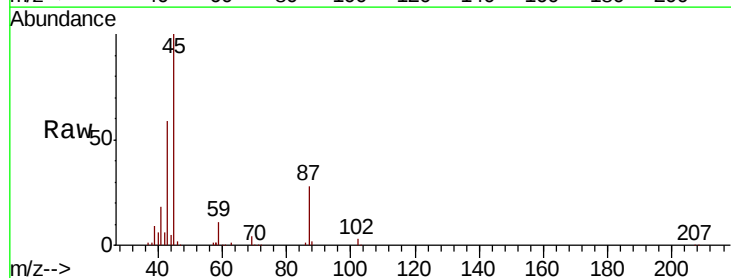
Ion Ratio Lower Upper

45 100

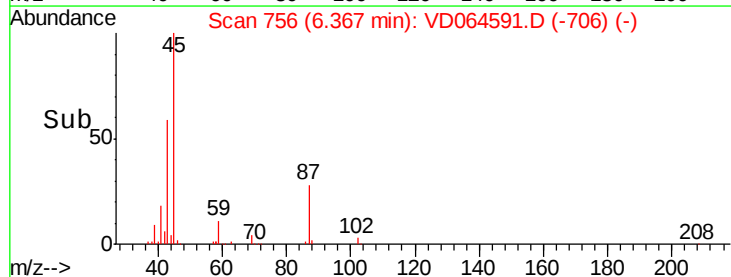
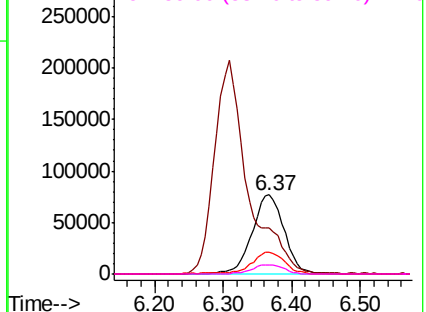
43 57.8 43.2 64.8

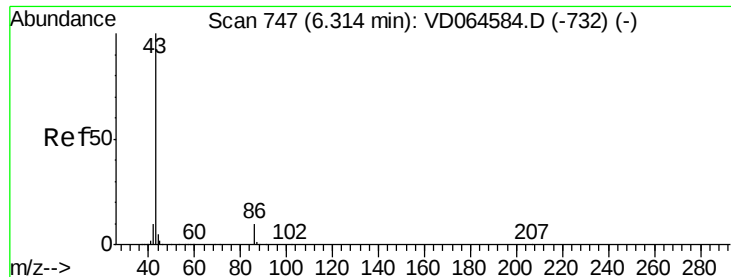
87 27.2 21.9 32.9

59 11.0 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

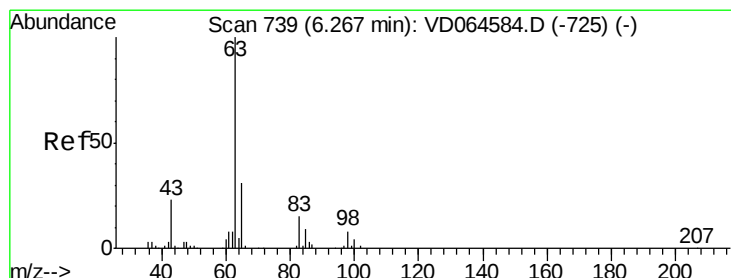
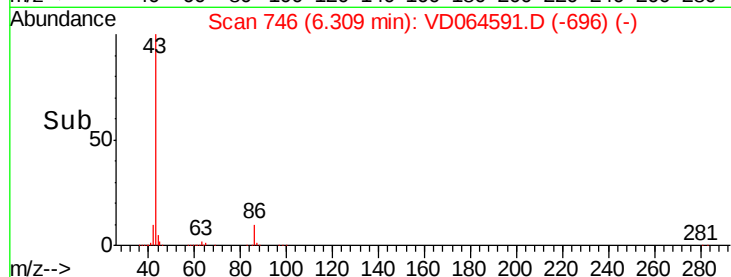
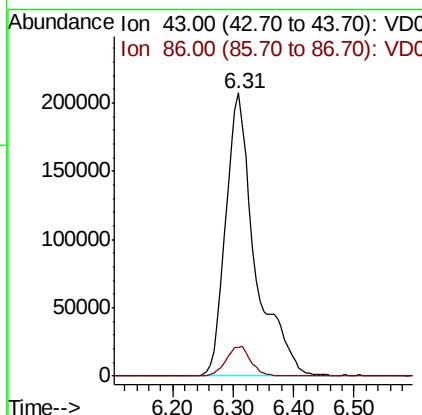
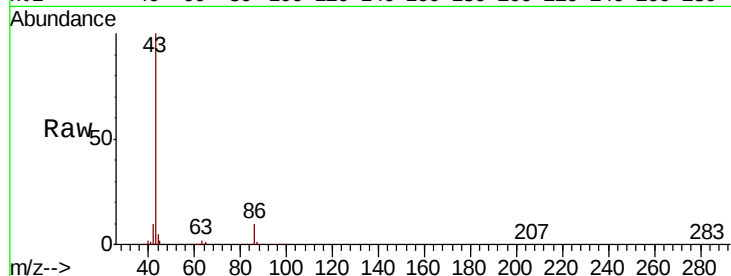




#23
 Vinyl Acetate
 Concen: 96.199 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

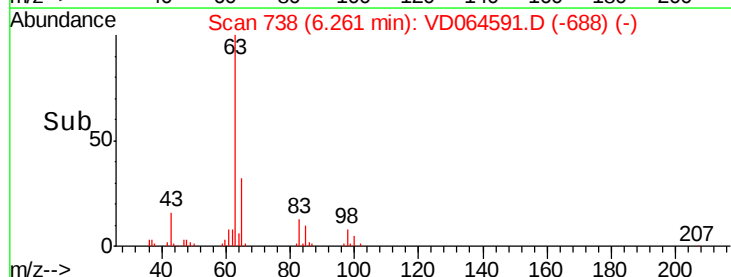
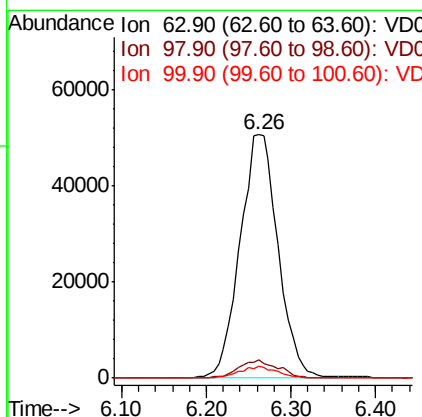
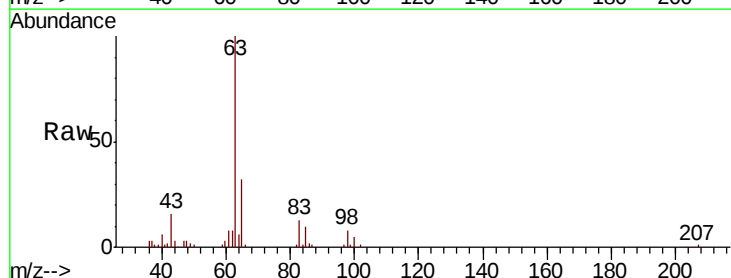
Instrument :
 MSVOA_D
 ClientSampleId :

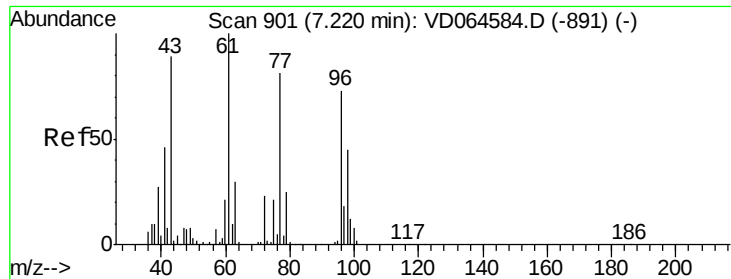
Tot Ion: 43 Resp: 704637
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.391 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 63 Resp: 158066
 Ion Ratio Lower Upper
 63 100
 98 7.6 4.1 12.3
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 94.789 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

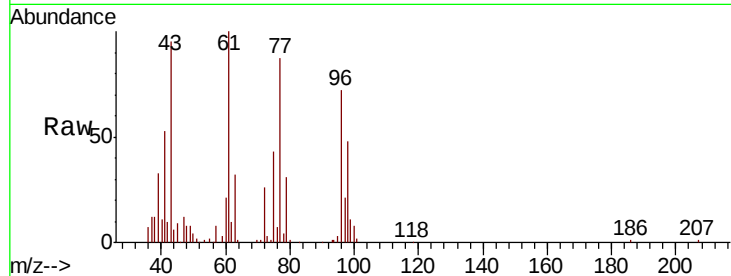
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 108433

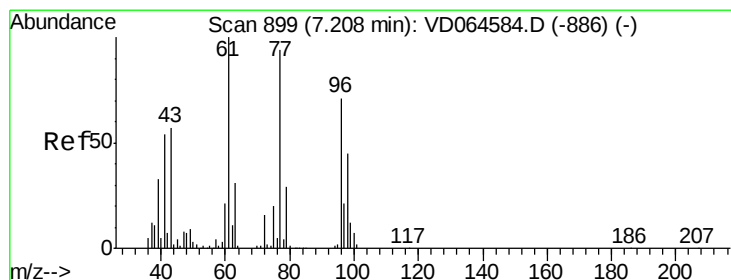
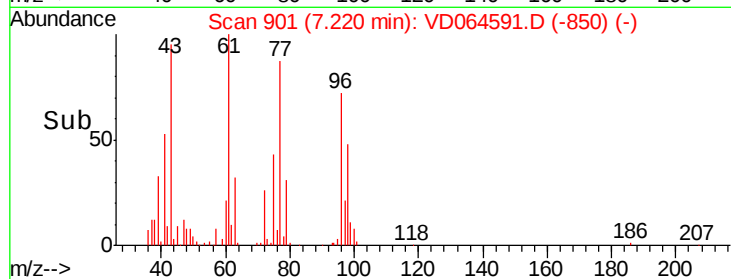
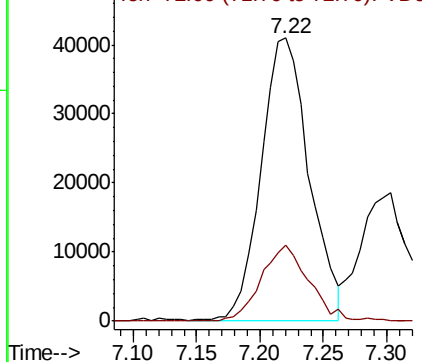
Ion Ratio Lower Upper

43 100

72 27.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.770 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064591.D

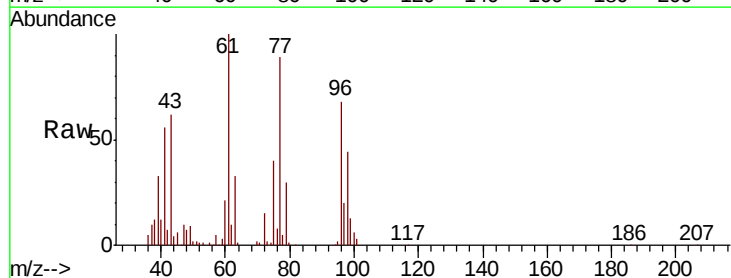
Acq: 26 Dec 2019 11:20

Tgt Ion: 77 Resp: 142485

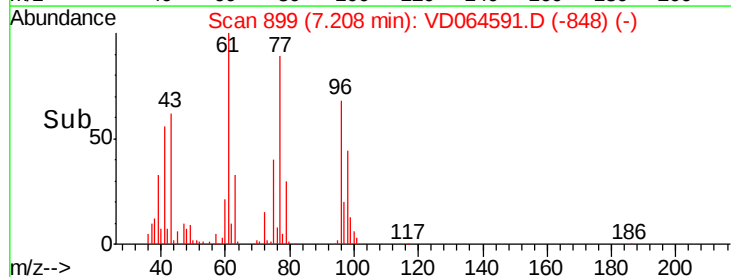
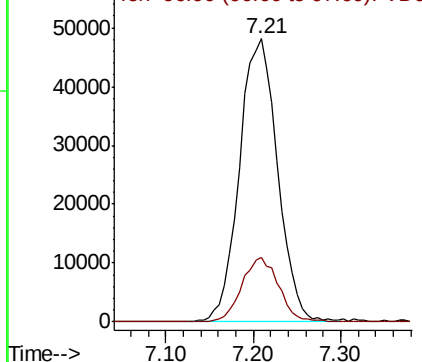
Ion Ratio Lower Upper

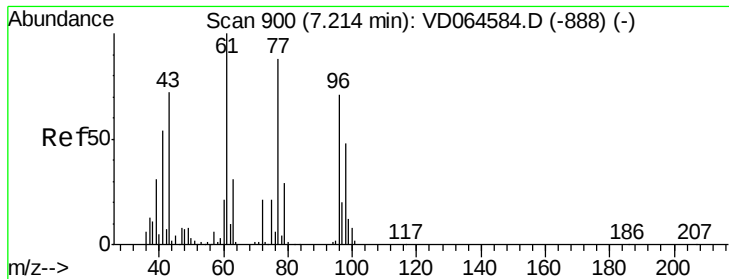
77 100

97 21.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC

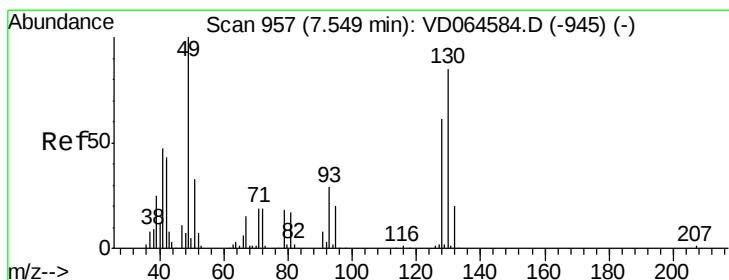
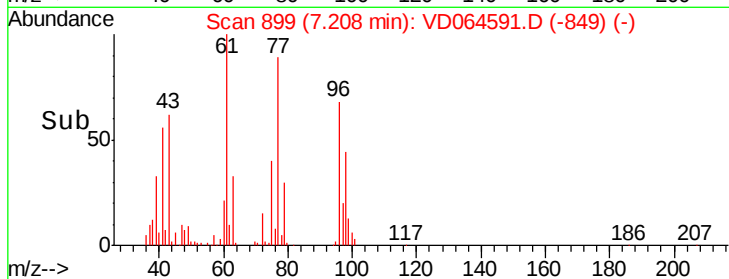
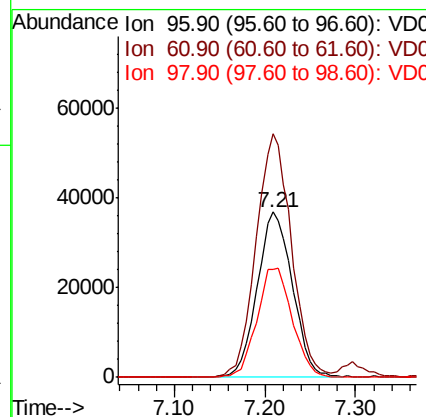
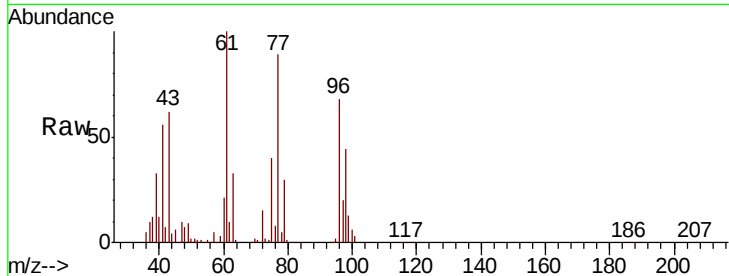




#27
 cis-1,2-Dichloroethene
 Concen: 19.417 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

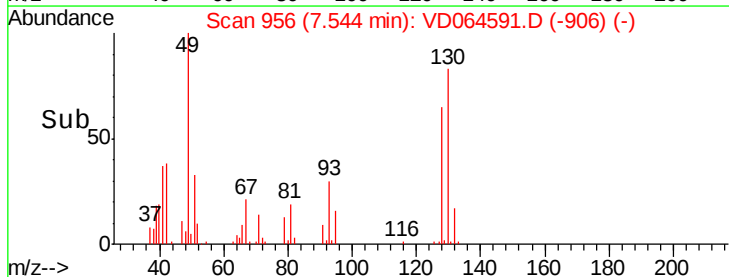
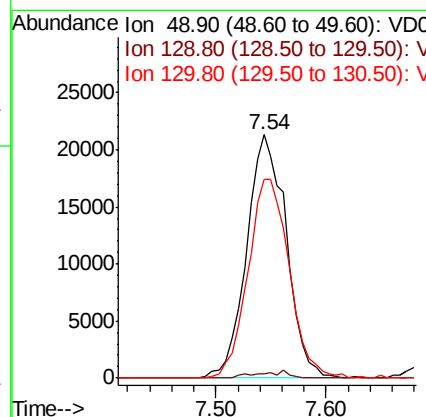
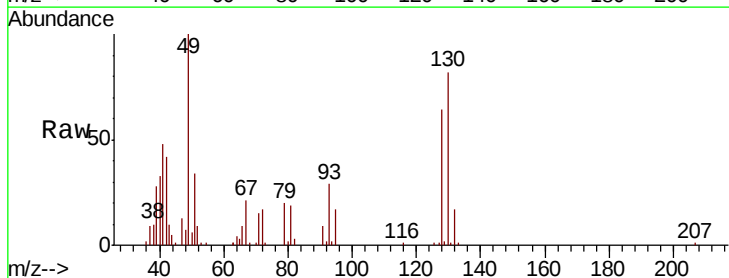
Instrument :
 MSVOA_D
 ClientSampleId :

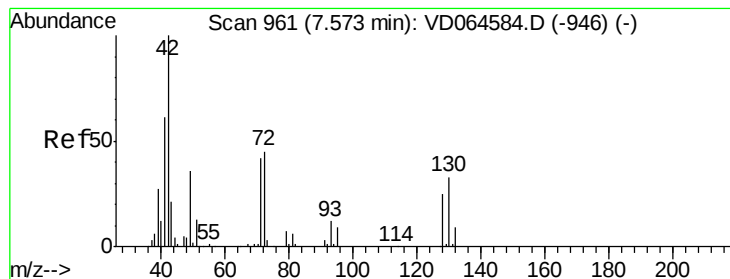
Tot Ion: 96 Resp: 99091
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 282.6
 98 66.3 0.0 130.8



#28
 Bromochloromethane
 Concen: 17.788 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 49 Resp: 53602
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 85.0 65.0 97.6





#29

Tetrahydrofuran

Concen: 93.181 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

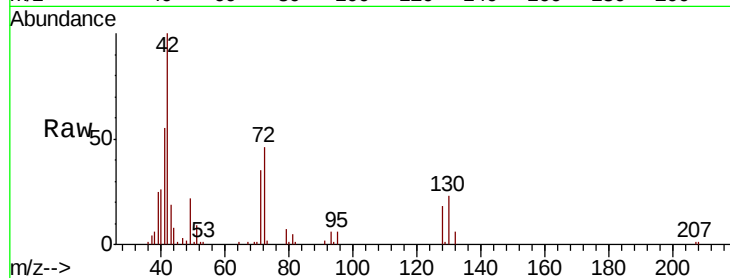
Tot Ion: 42 Resp: 66288

Ion Ratio Lower Upper

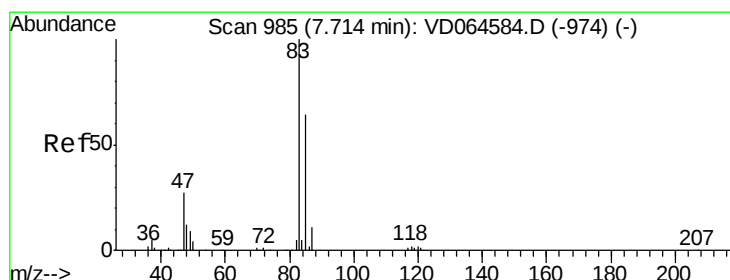
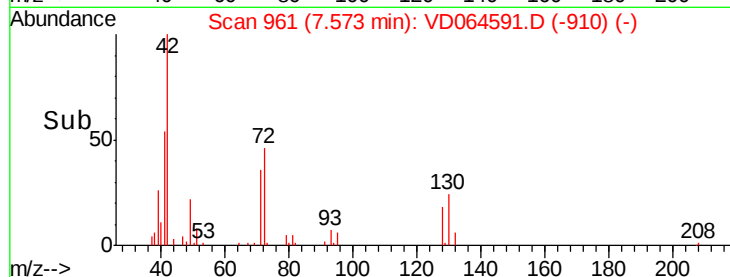
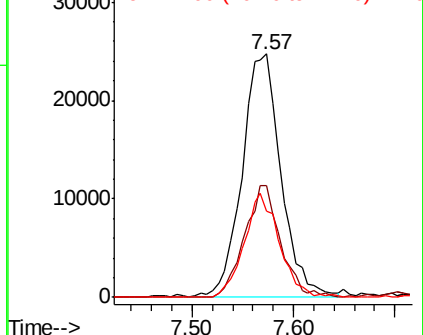
42 100

72 42.3 35.0 52.4

71 38.7 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: 19.894 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064591.D

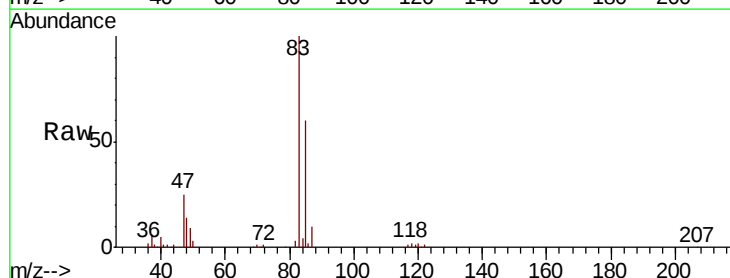
Acq: 26 Dec 2019 11:20

Tgt Ion: 83 Resp: 161794

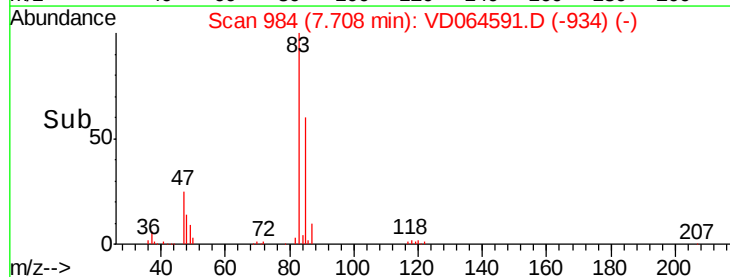
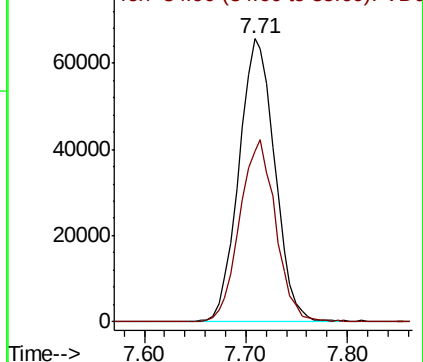
Ion Ratio Lower Upper

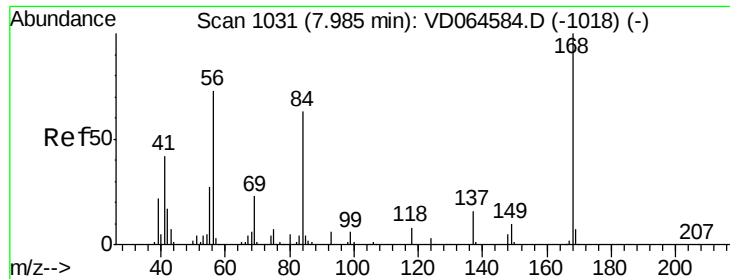
83 100

85 60.3 51.1 76.7



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

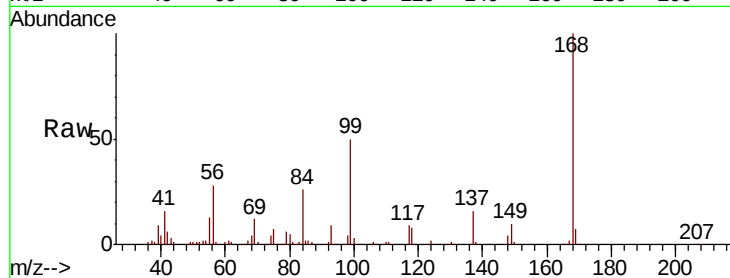




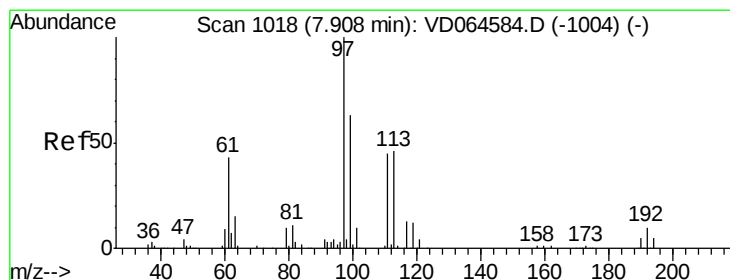
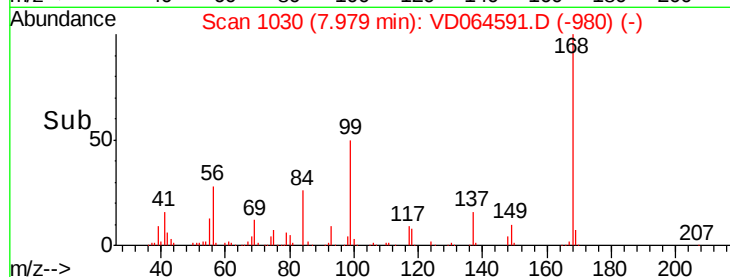
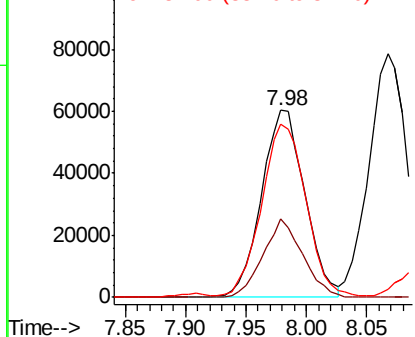
#31
Cyclohexane
Concen: 19.401 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 150547
Ion Ratio Lower Upper
56 100
69 42.3 24.7 37.1#
84 91.2 69.4 104.2

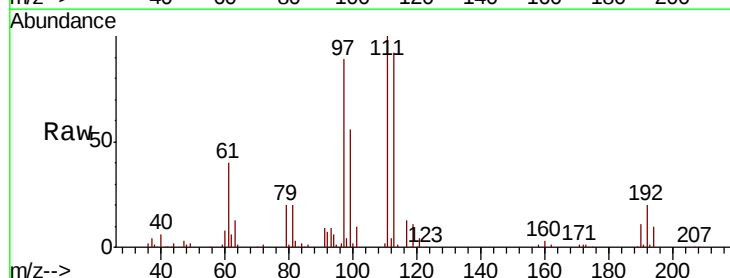


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

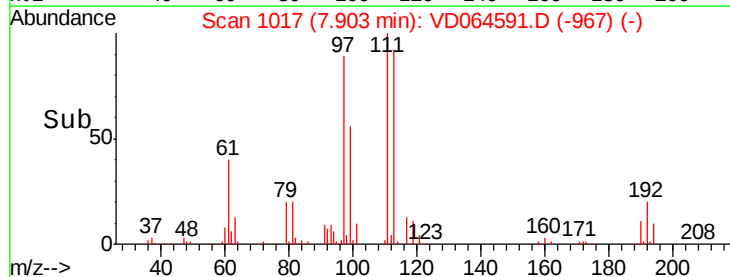
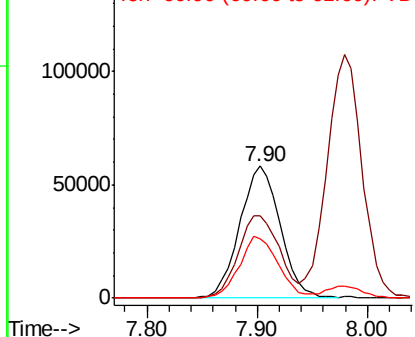


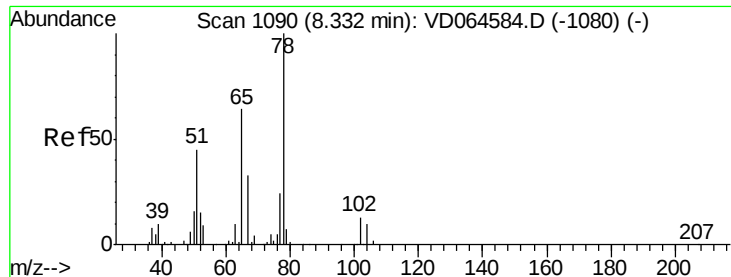
#32
1,1,1-Trichloroethane
Concen: 19.569 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 97 Resp: 149488
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 44.8 35.4 53.0



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

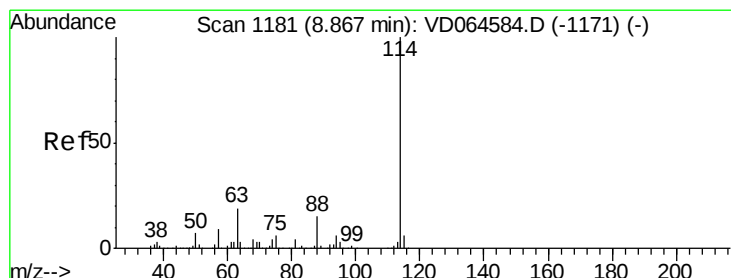
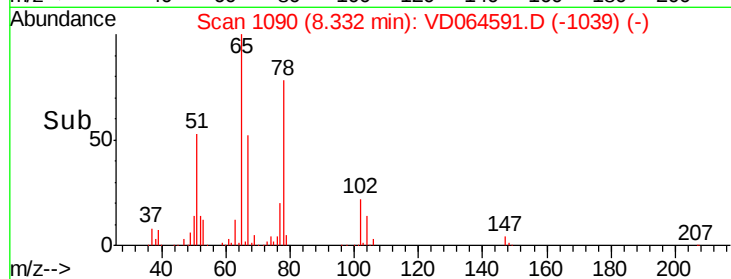
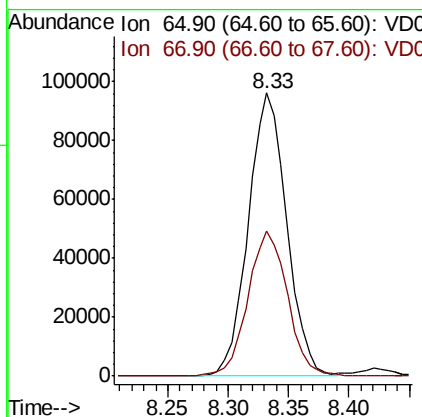
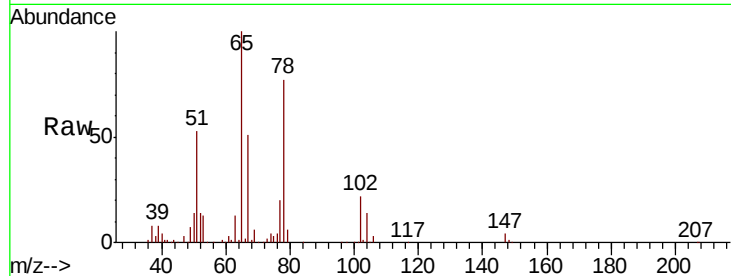




#33
 1,2-Dichloroethane-d4
 Concen: 51.177 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

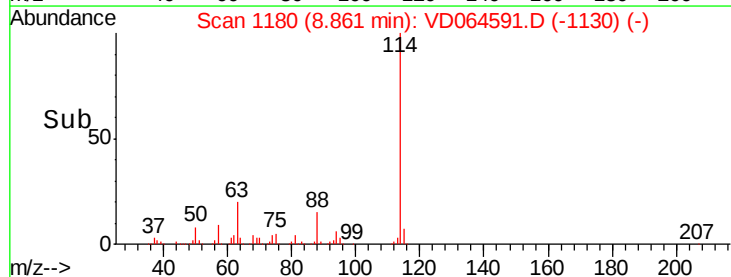
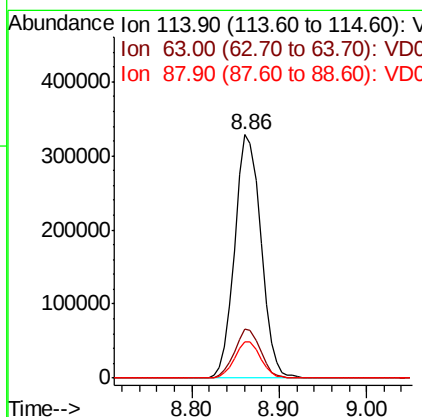
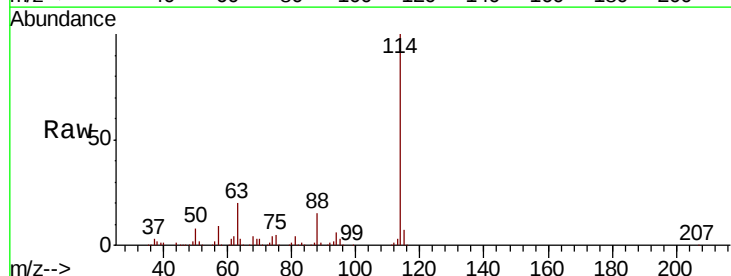
Instrument :
 MSVOA_D
 ClientSampleId :

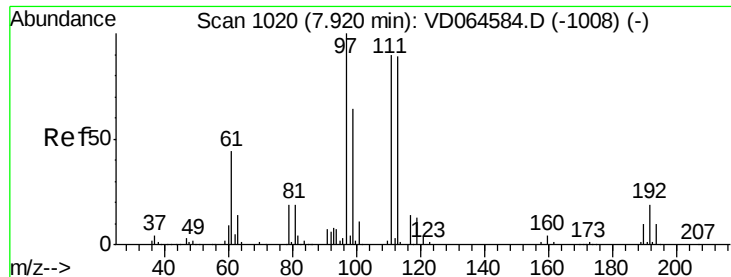
Tot Ion: 65 Resp: 212982
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 114 Resp: 668661
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 15.0 0.0 29.2

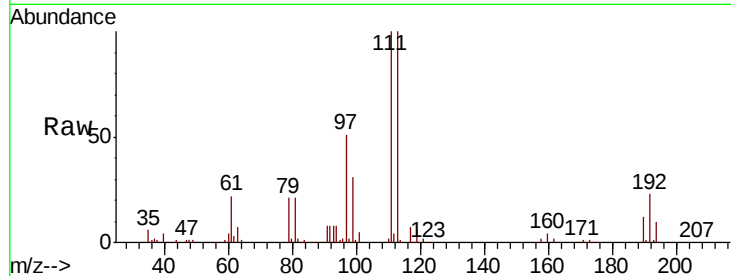




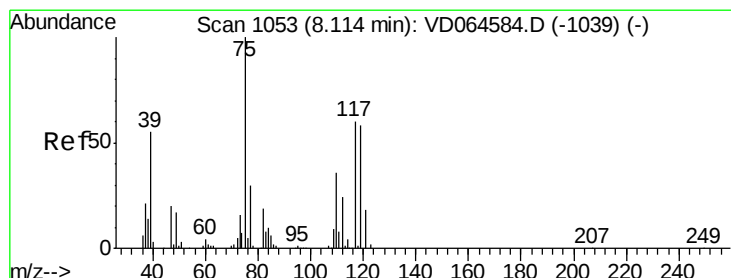
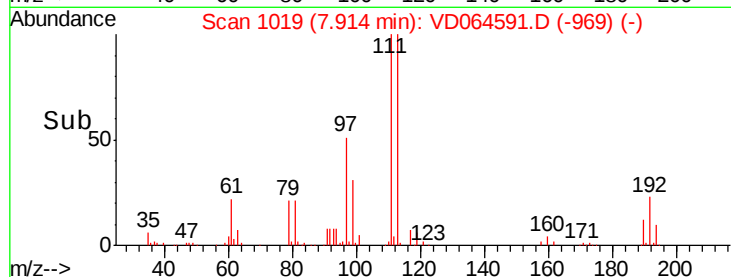
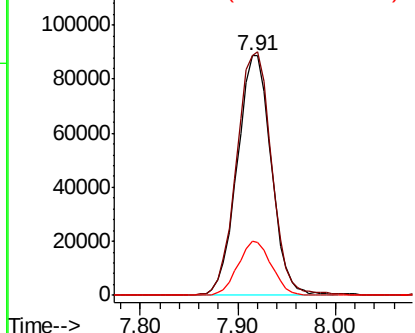
#35
 Dibromofluoromethane
 Concen: 52.551 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 215584
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.6 121.0
 192 22.1 17.9 26.9

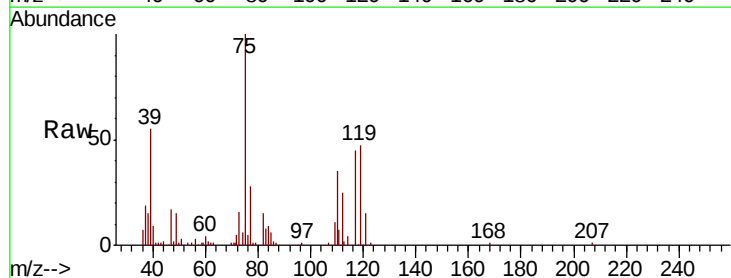


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

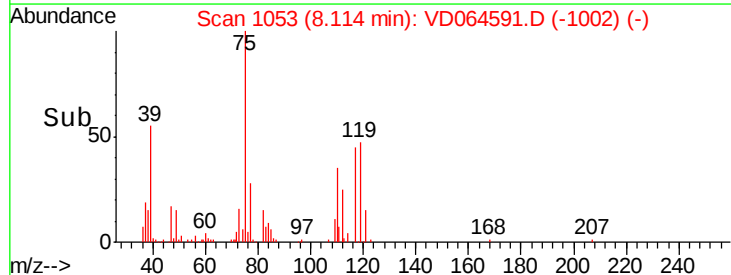
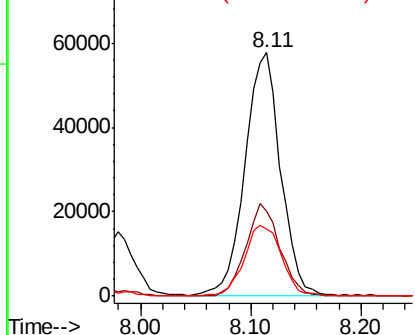


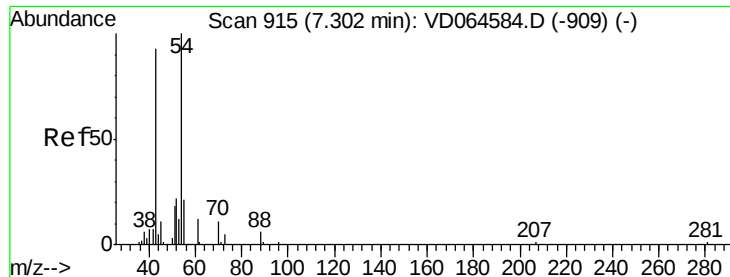
#36
 1,1-Dichloropropene
 Concen: 20.388 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 75 Resp: 131215
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.1
 77 30.4 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: 19.479 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

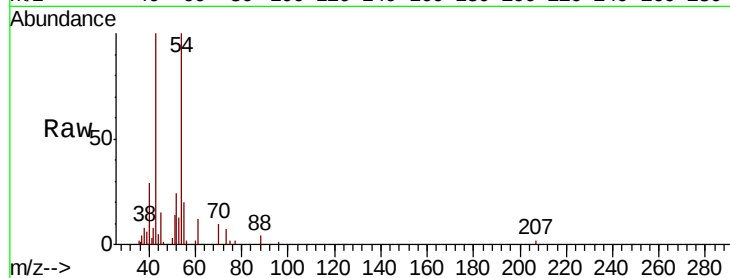
Tot Ion: 43 Resp: 49248

Ion Ratio Lower Upper

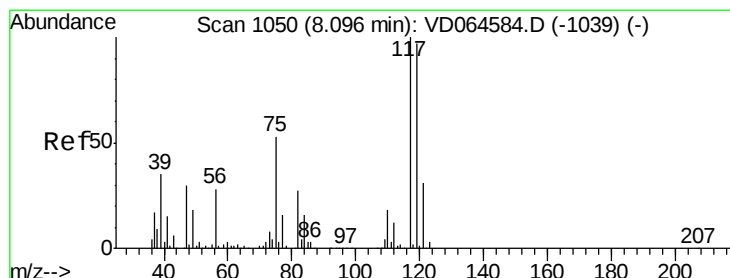
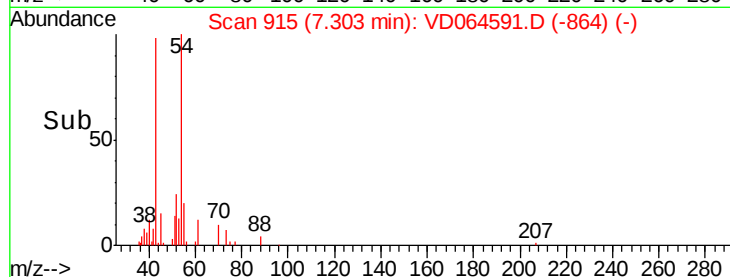
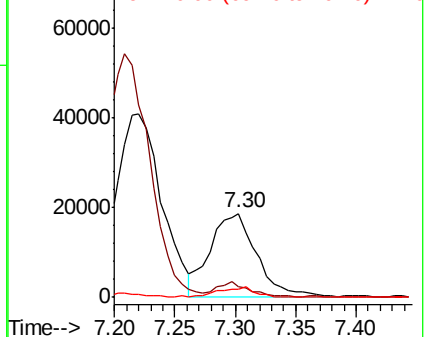
43 100

61 13.2 10.3 15.5

70 9.9 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: 19.732 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

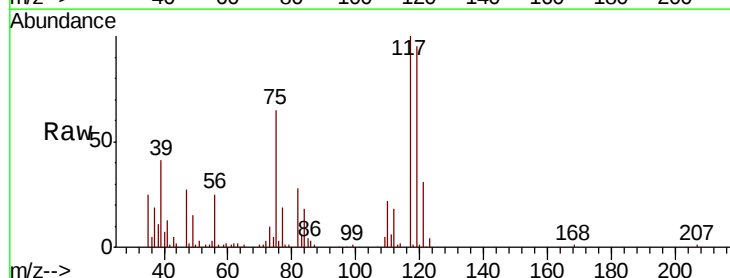
Tgt Ion: 117 Resp: 135413

Ion Ratio Lower Upper

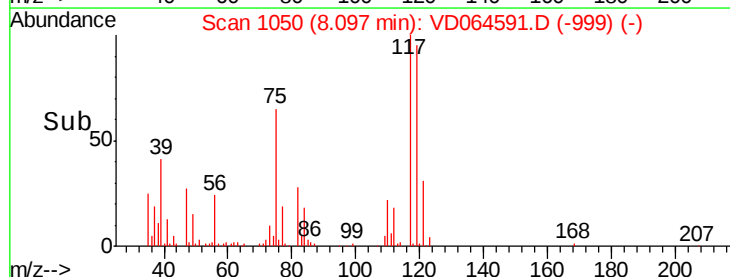
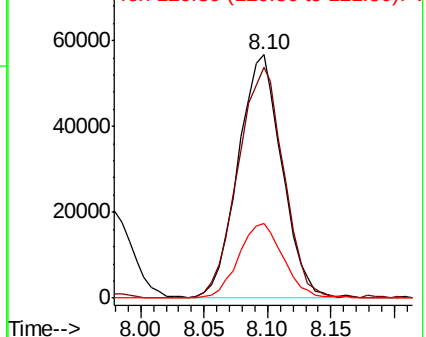
117 100

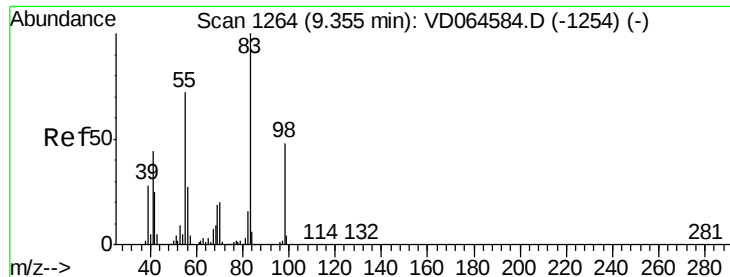
119 95.1 77.3 115.9

121 30.8 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

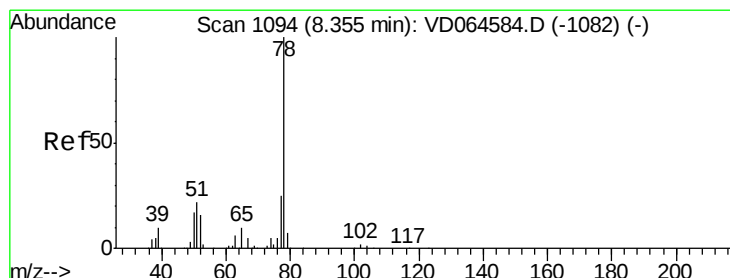
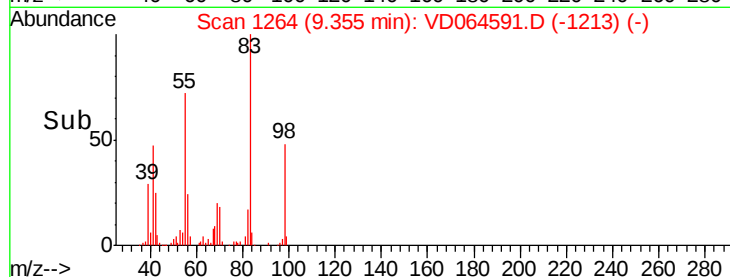
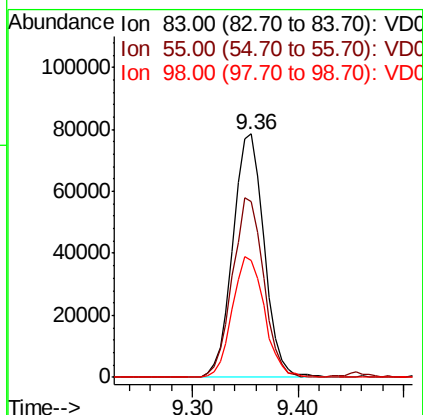
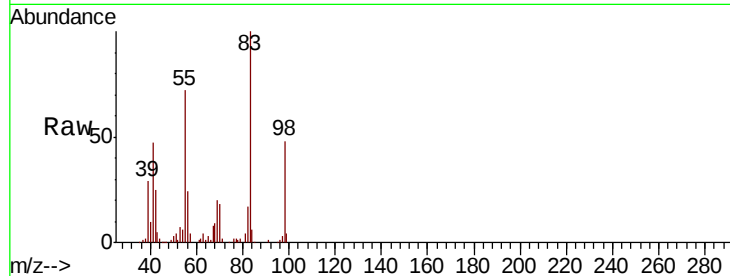




#39
Methvlcvclohexane
Concen: 20.642 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

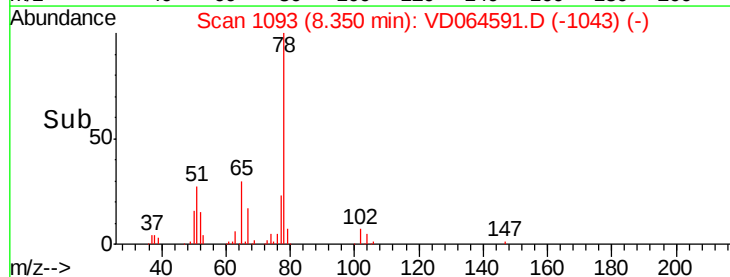
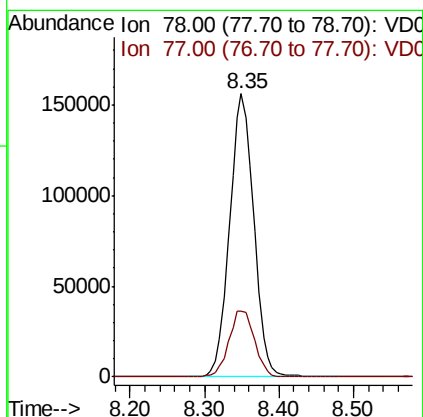
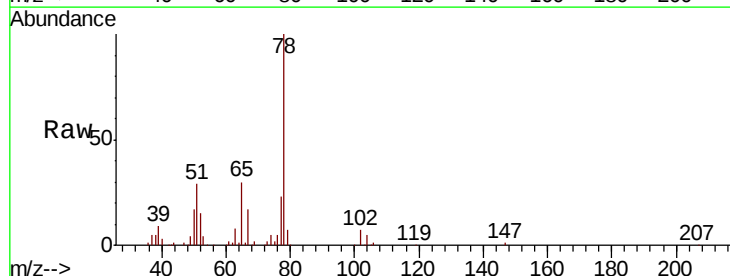
Instrument :
MSVOA_D
ClientSampled :

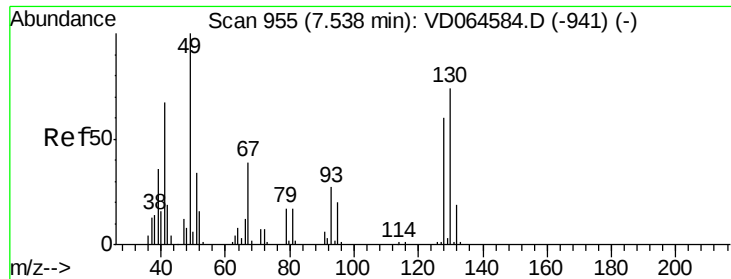
Tot Ion: 83 Resp: 160904
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 47.9 38.7 58.1



#40
Benzene
Concen: 20.070 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 78 Resp: 352609
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9





#41

Methacrylonitrile

Concen: 20.307 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 29789

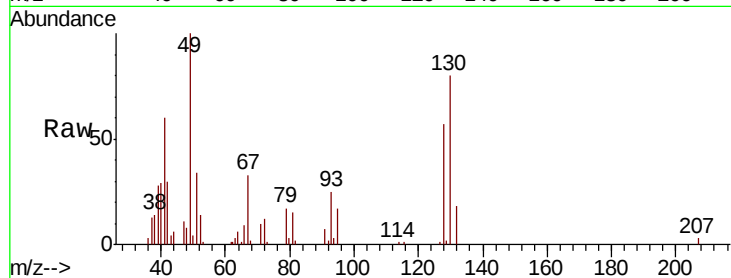
Ion Ratio Lower Upper

41 100

39 46.7 46.7 70.1#

67 66.0 52.5 78.7

52 31.4 24.1 36.1



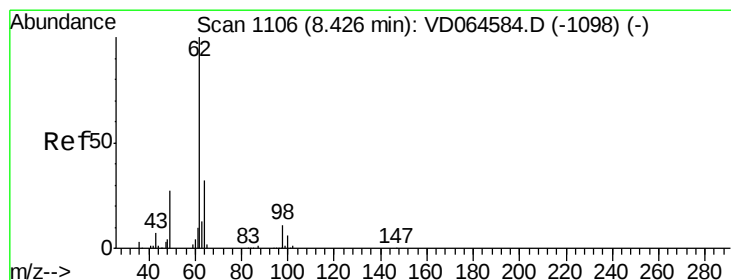
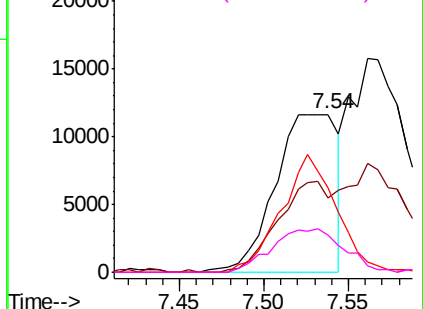
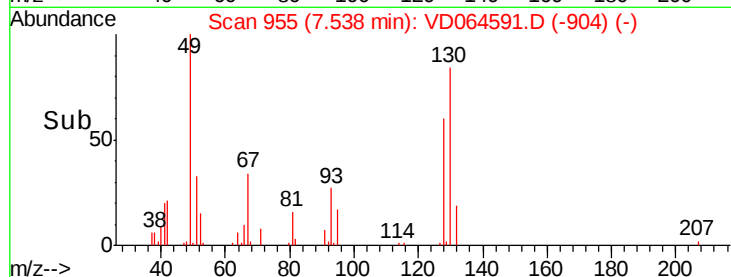
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.172 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064591.D

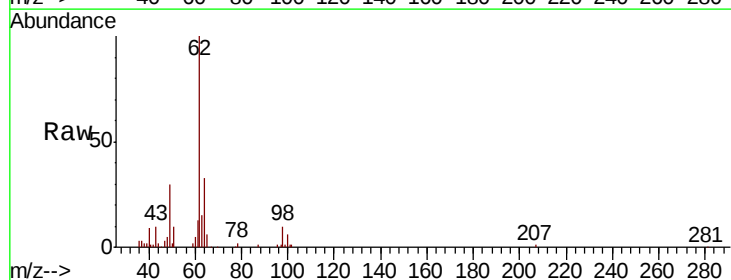
Acq: 26 Dec 2019 11:20

Tgt Ion: 62 Resp: 102413

Ion Ratio Lower Upper

62 100

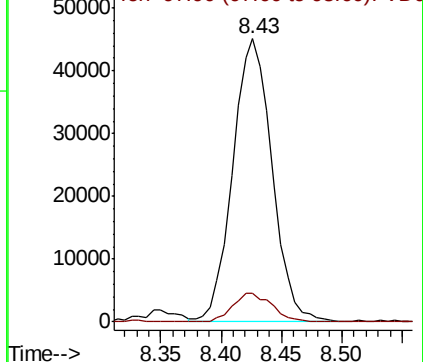
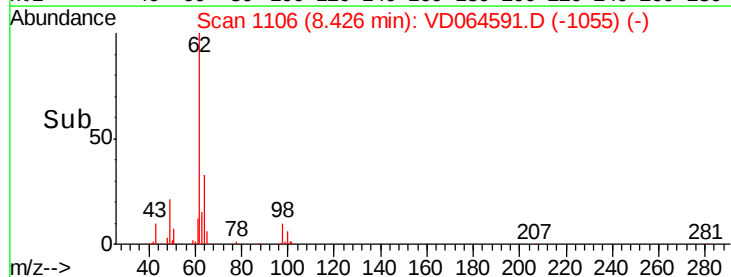
98 9.9 0.0 20.0

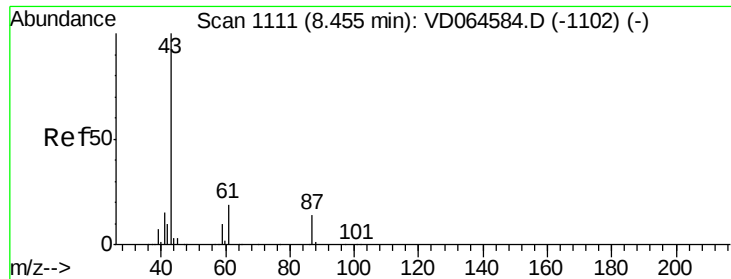


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

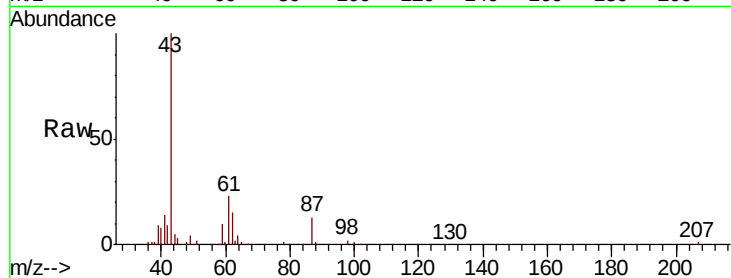




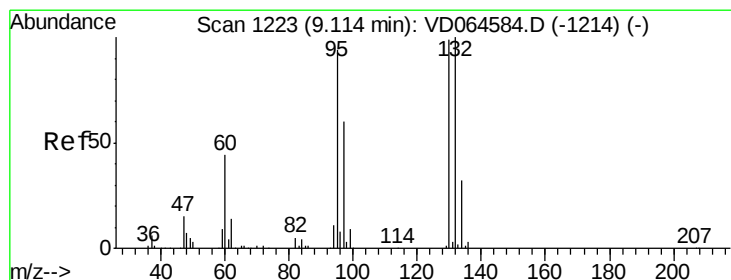
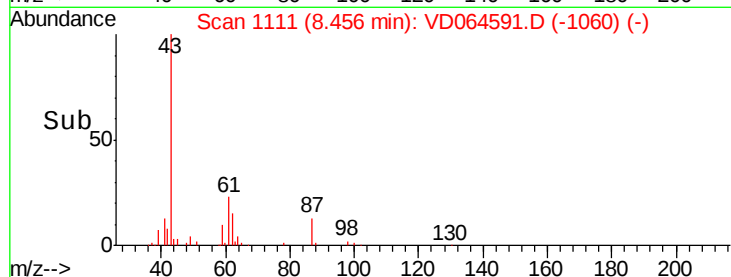
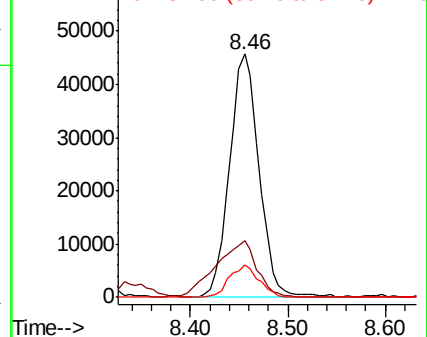
#43
Isopropyl Acetate
Concen: 19.135 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 96298
Ion Ratio Lower Upper
43 100
61 32.3 23.7 35.5
87 13.2 10.5 15.7

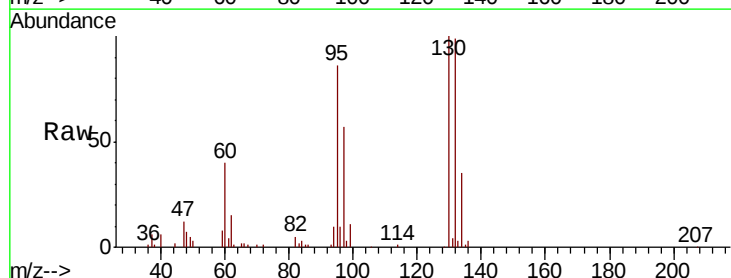


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

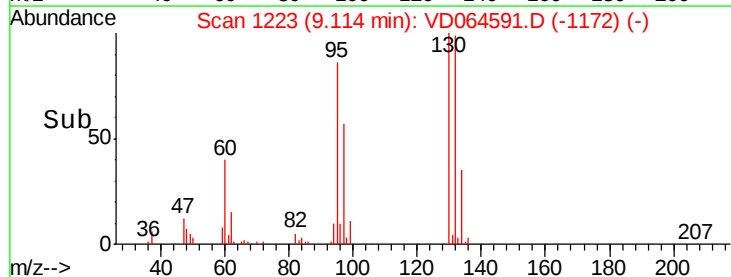
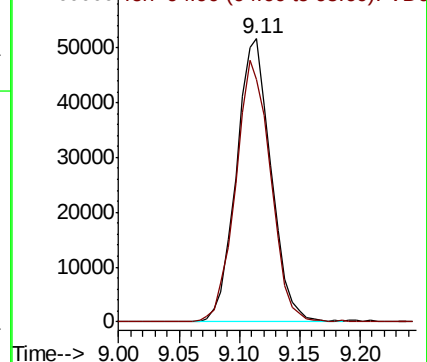


#44
Trichloroethene
Concen: 20.017 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 130 Resp: 103315
Ion Ratio Lower Upper
130 100
95 85.6 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: 19.888 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

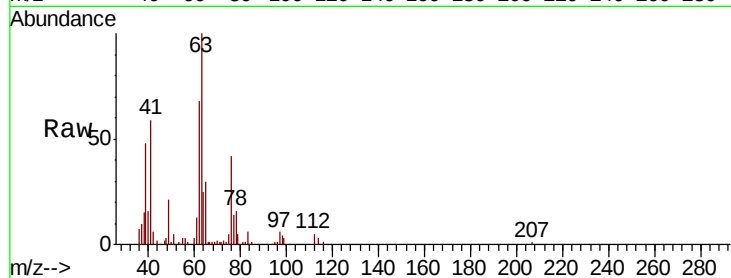
ClientSampleId :

Tot Ion: 63 Resp: 83428

Ion Ratio Lower Upper

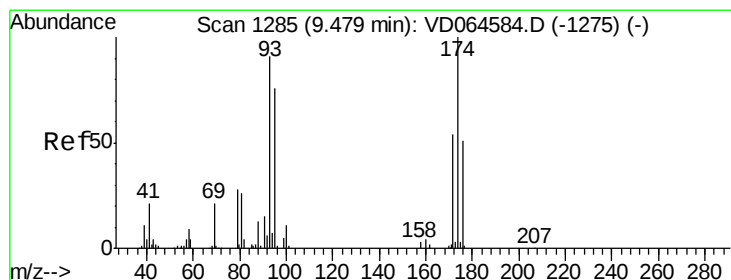
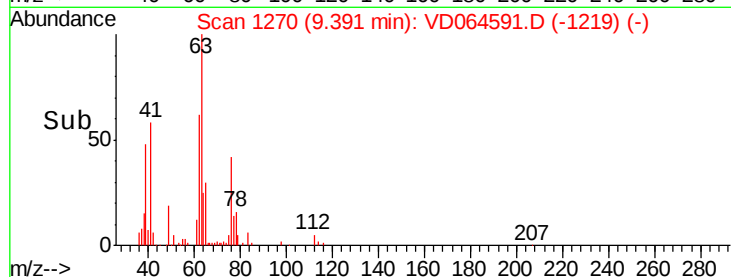
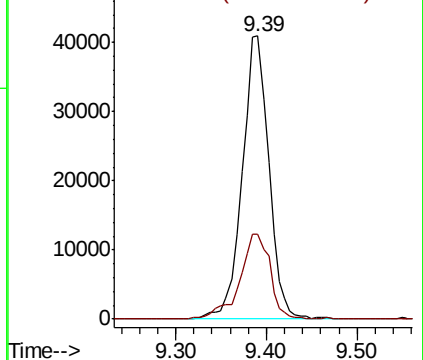
63 100

65 29.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.139 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

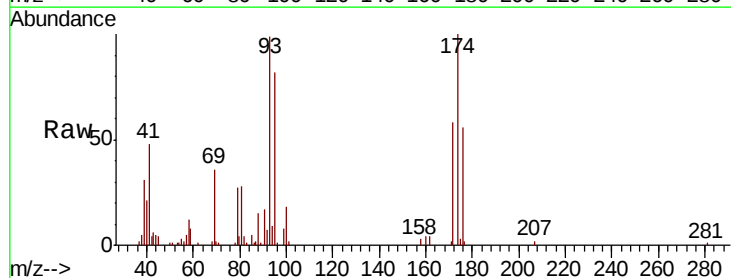
Tgt Ion: 93 Resp: 47100

Ion Ratio Lower Upper

93 100

95 82.7 64.6 97.0

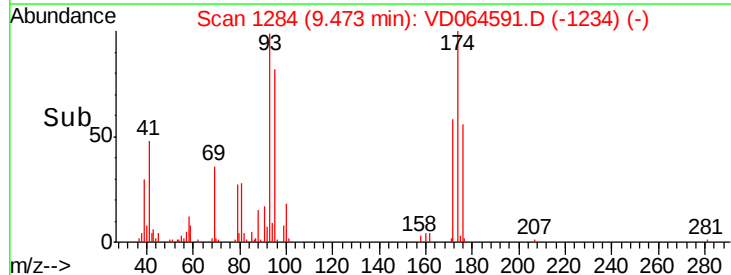
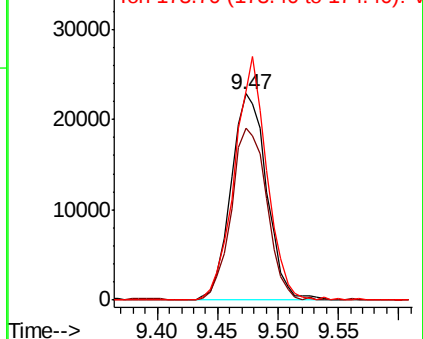
174 106.5 88.1 132.1

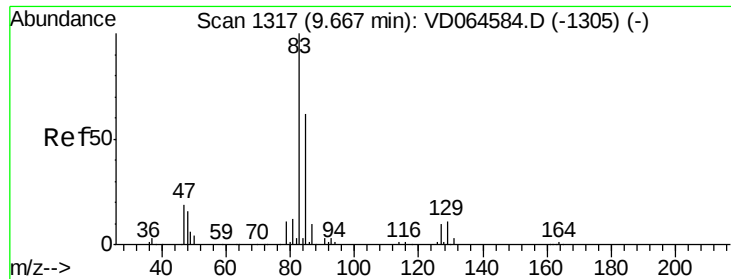


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

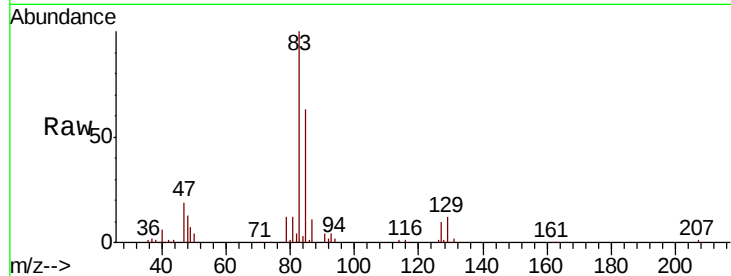




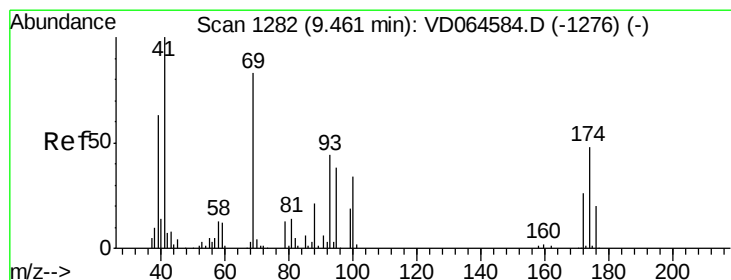
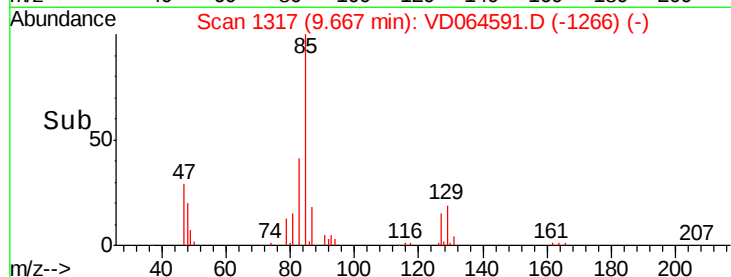
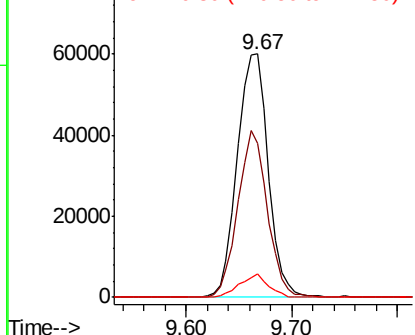
#47
Bromodichloromethane
Concen: 19.691 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 122543
Ion Ratio Lower Upper
83 100
85 63.3 49.5 74.3
127 9.6 7.8 11.6

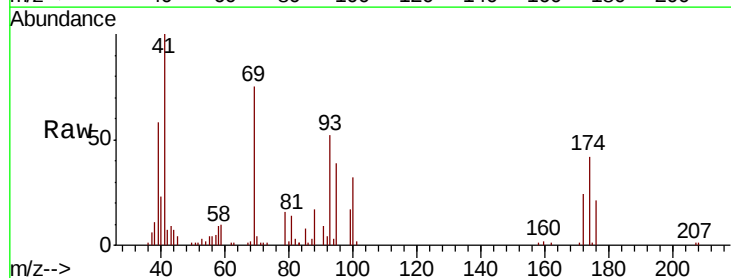


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

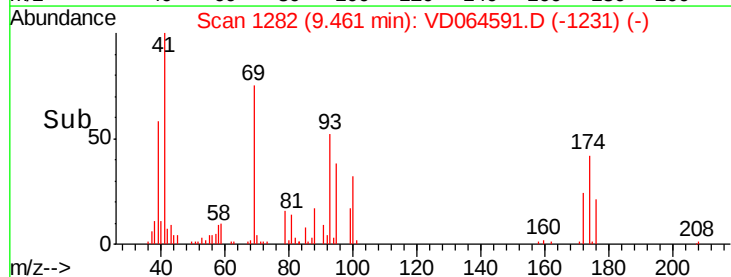
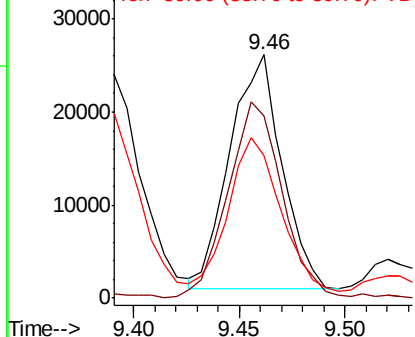


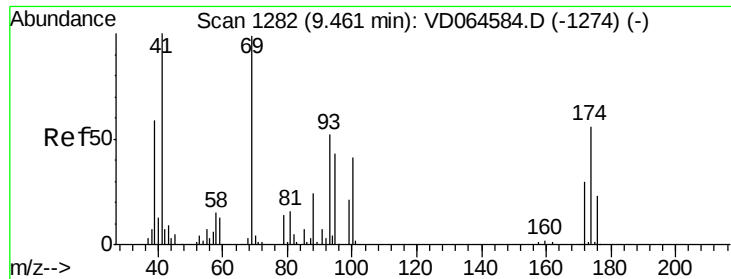
#48
Methyl methacrylate
Concen: 18.185 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 41 Resp: 43090
Ion Ratio Lower Upper
41 100
69 87.6 63.0 94.6
39 64.9 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

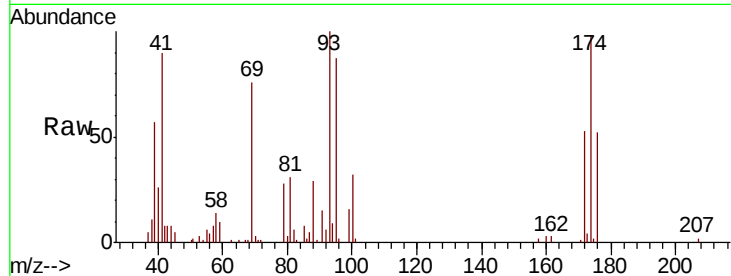




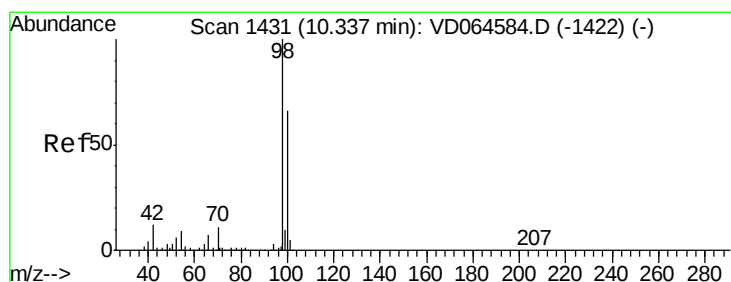
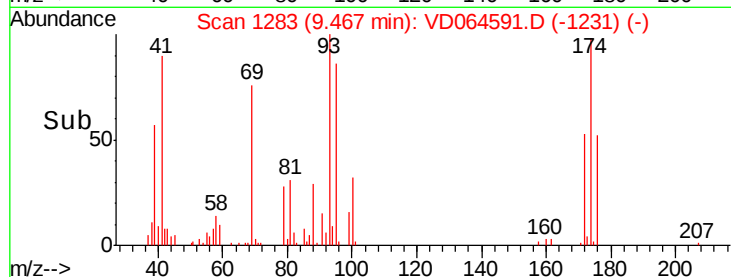
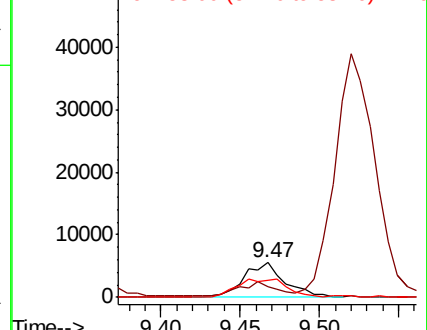
#49
1,4-Dioxane
Concen: 365.029 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9844
Ion Ratio Lower Upper
88 100
43 36.2 27.7 41.5
58 65.3 53.8 80.6

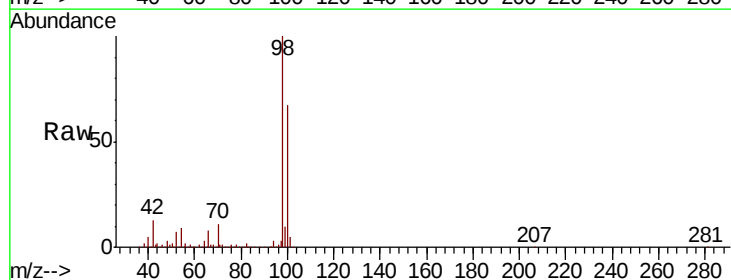


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

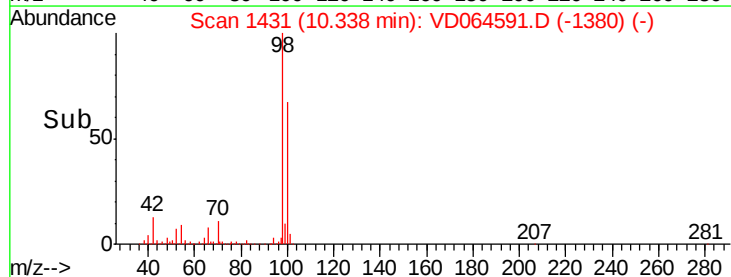
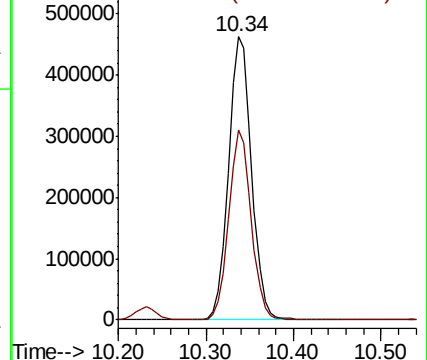


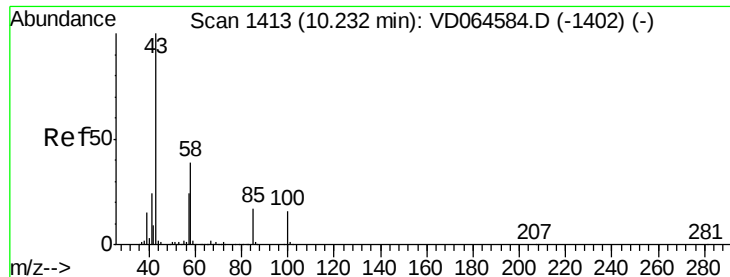
#50
Toluene-d8
Concen: 53.063 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 98 Resp: 833700
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



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

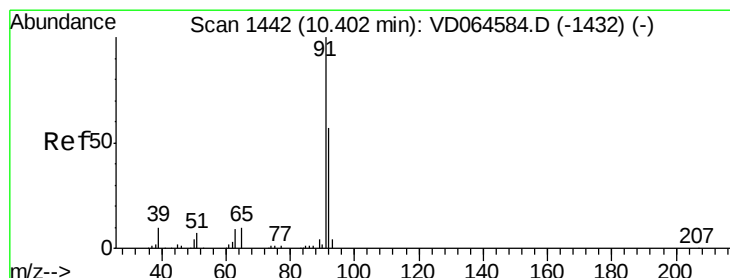
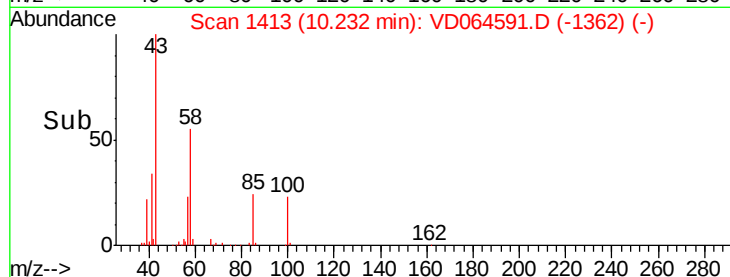
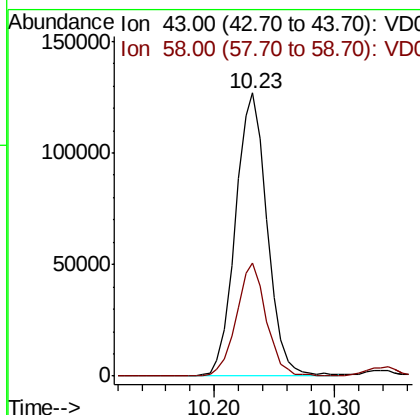
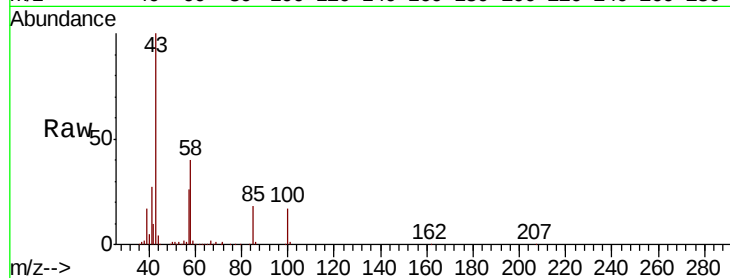




#51
4-Methyl-2-Pentanone
Concen: 93.229 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

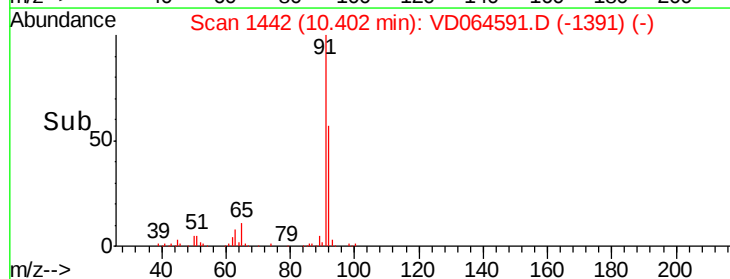
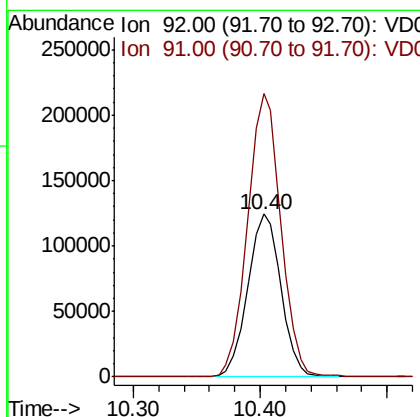
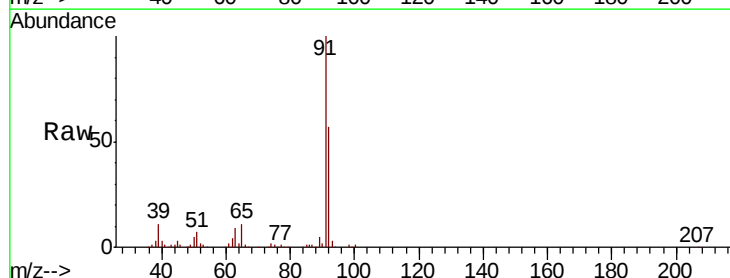
Instrument :
MSVOA_D
ClientSampleId :

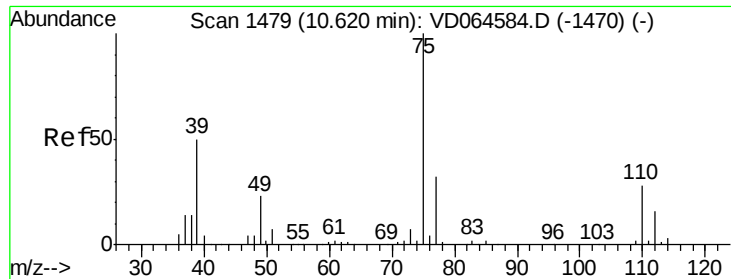
Tot Ion: 43 Resp: 231899
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.2



#52
Toluene
Concen: 19.687 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 92 Resp: 226930
Ion Ratio Lower Upper
92 100
91 174.5 138.7 208.1

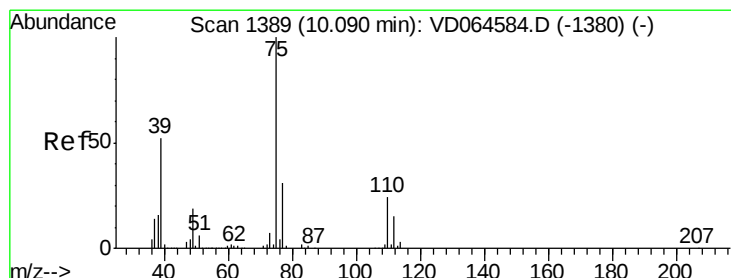
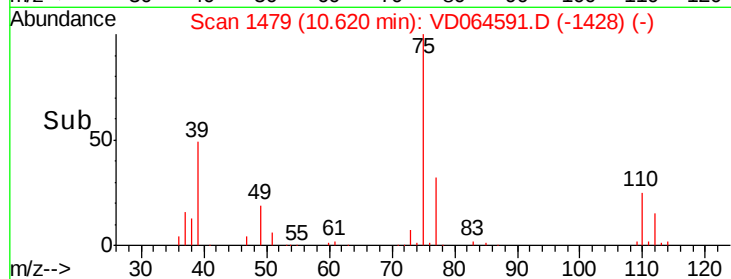
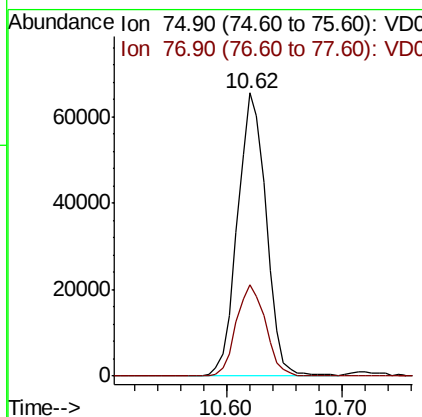
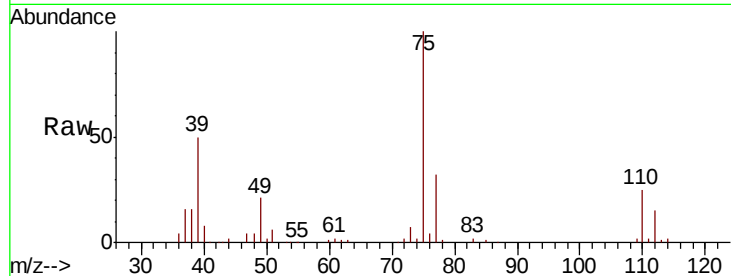




#53
t-1,3-Dichloropropene
Concen: 19.436 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

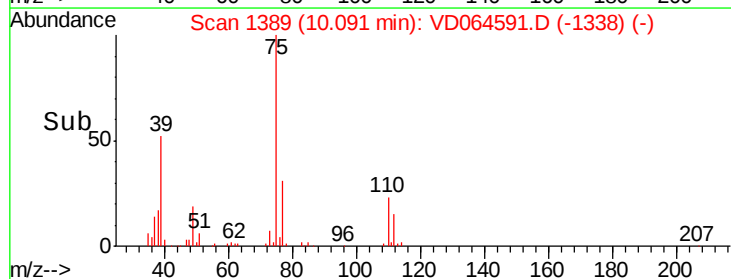
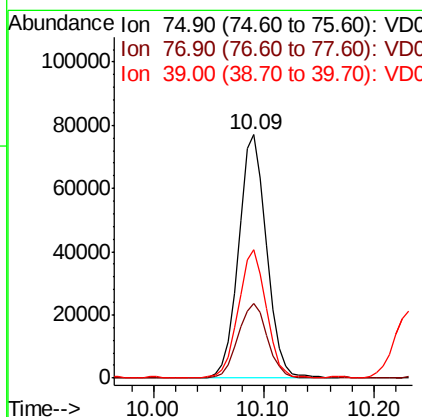
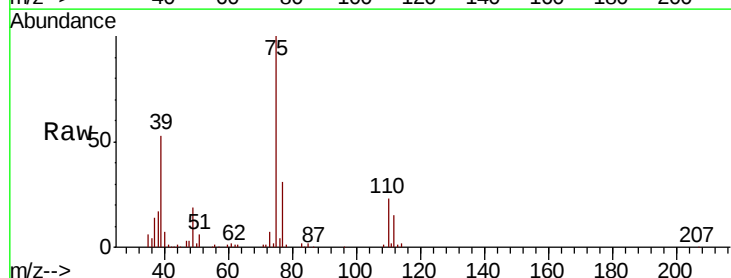
Instrument :
MSVOA_D
ClientSampleId :

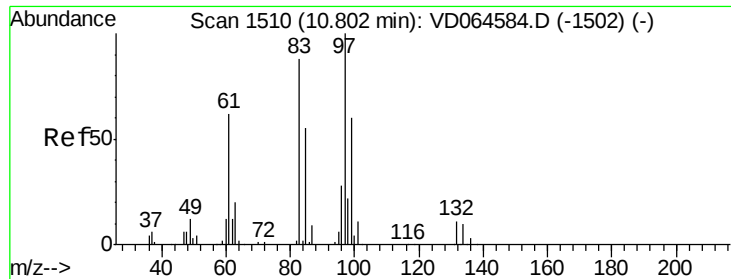
Tot Ion: 75 Resp: 112770
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.089 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 75 Resp: 137441
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 52.4 41.4 62.2

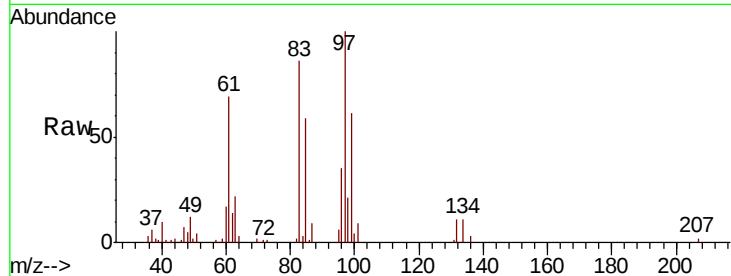




#55
 1,1,2-Trichloroethane
 Concen: 19.245 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	97	Resp	60659
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	59.0	44.0	66.0
99	61.2	47.8	71.6



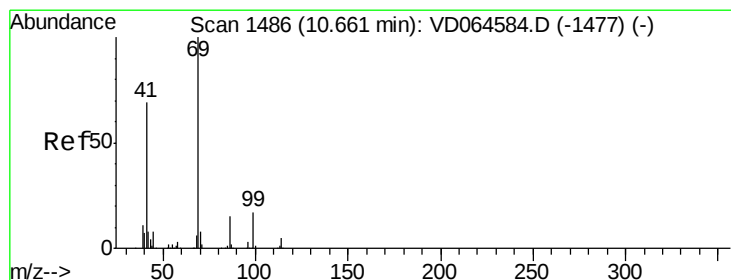
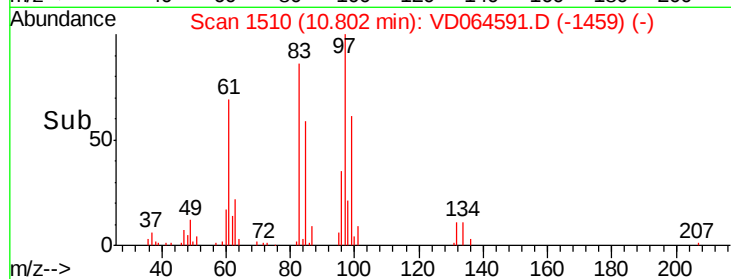
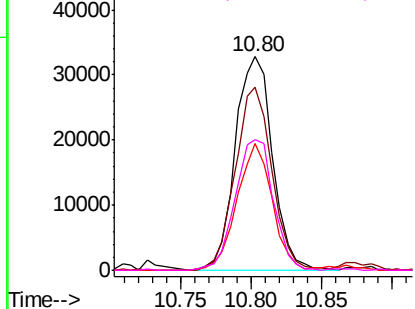
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

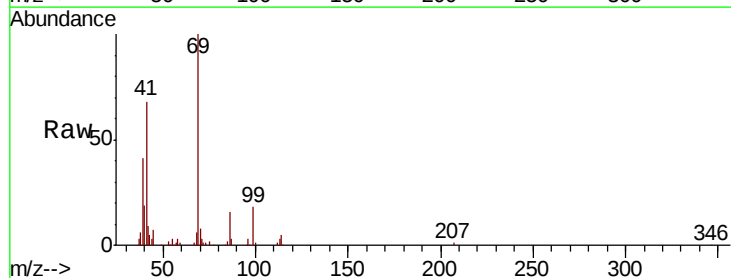
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 18.881 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion	69	Resp	74323
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.3	82.9
39	40.6	33.8	50.8

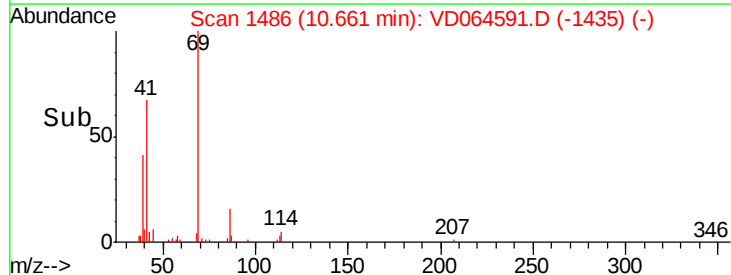
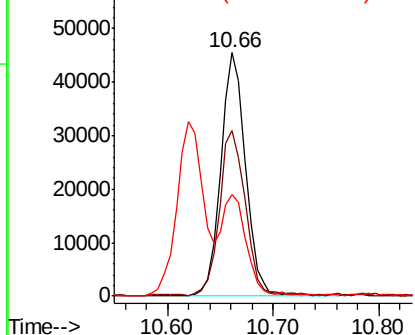


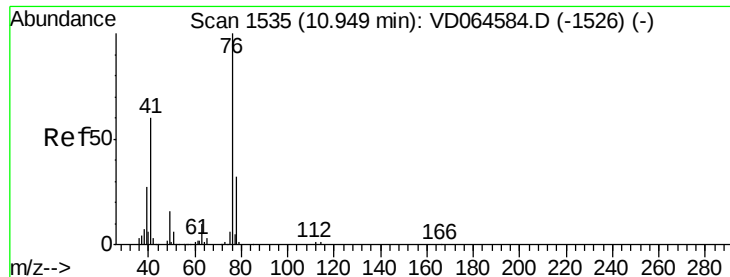
Abundance

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: 19.673 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

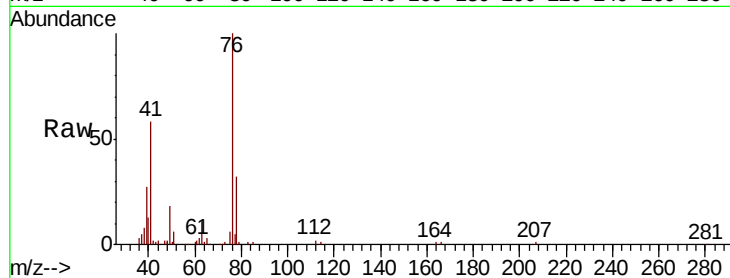
ClientSampleId :

Tot Ion: 76 Resp: 106762

Ion Ratio Lower Upper

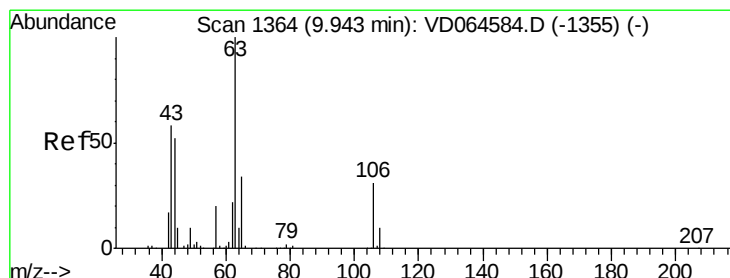
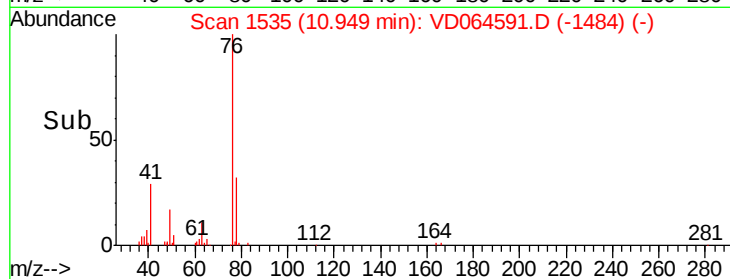
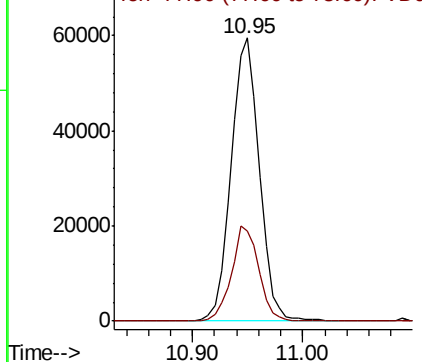
76 100

78 32.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.541 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064591.D

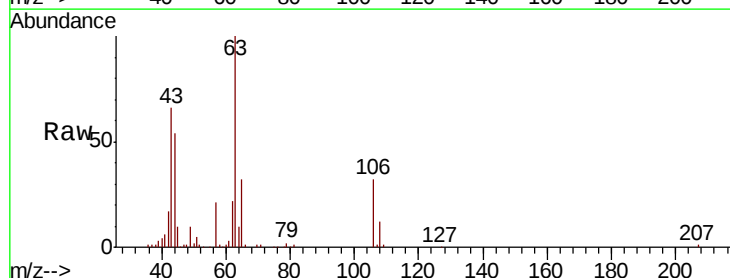
Acq: 26 Dec 2019 11:20

Tgt Ion: 63 Resp: 149283

Ion Ratio Lower Upper

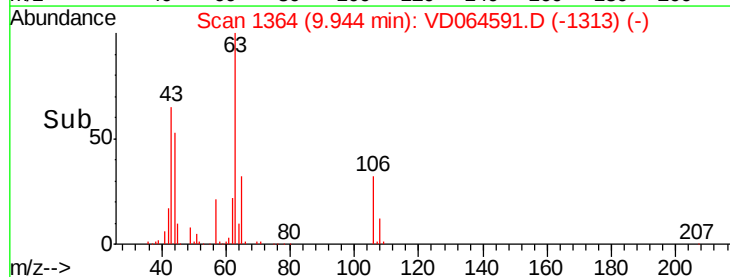
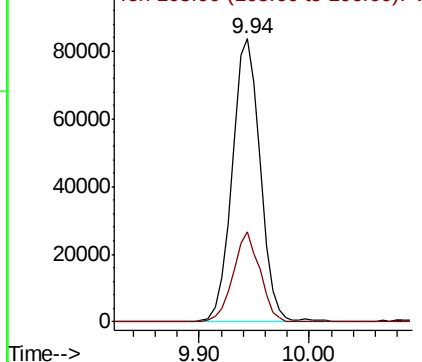
63 100

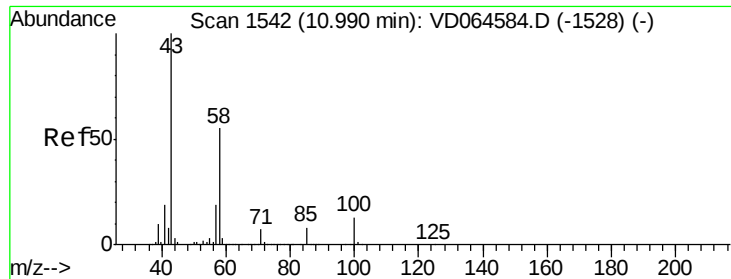
106 30.5 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

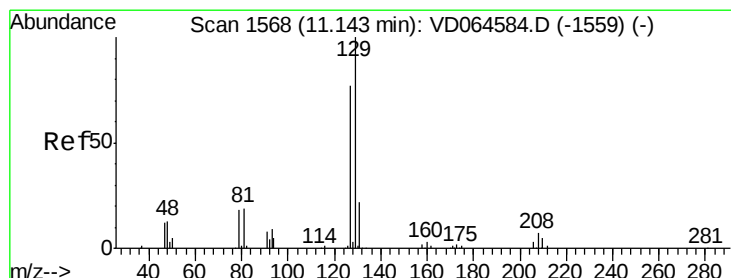
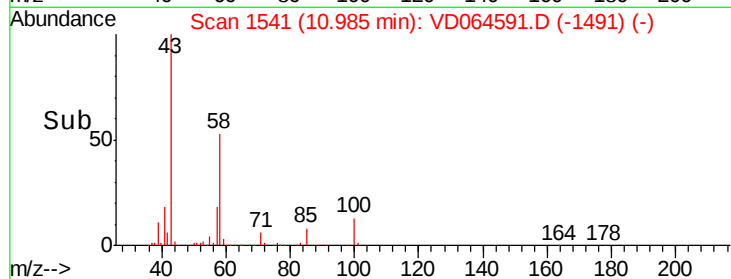
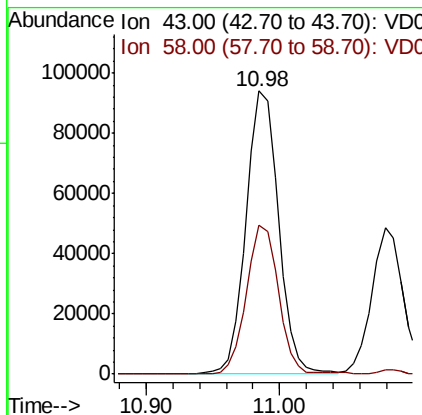
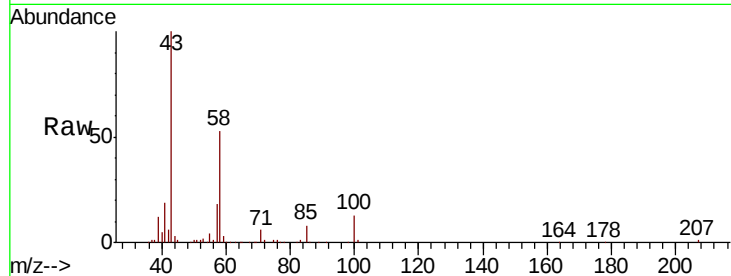




#59
2-Hexanone
Concen: 93.787 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

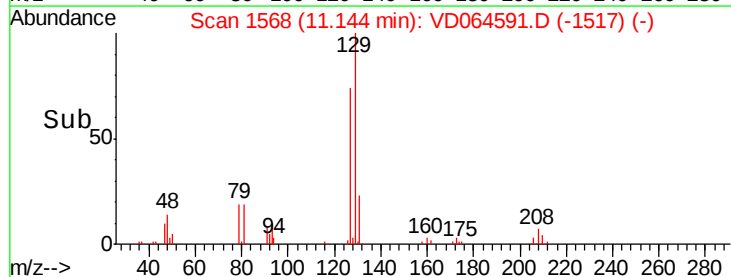
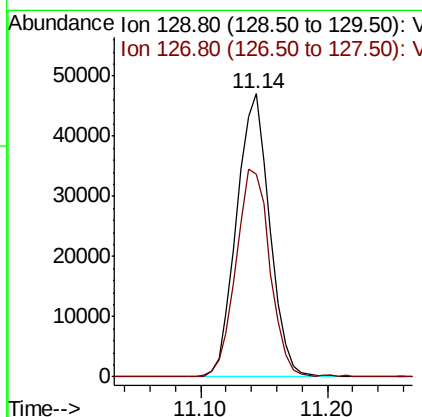
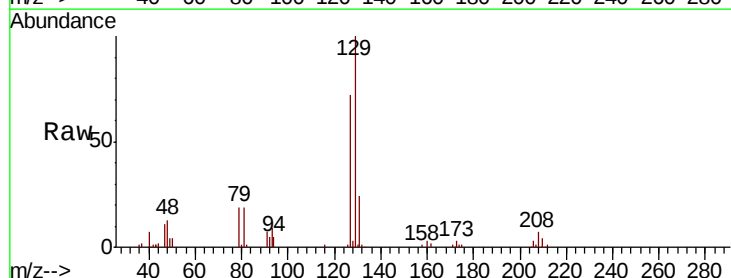
Instrument :
MSVOA_D
ClientSampled :

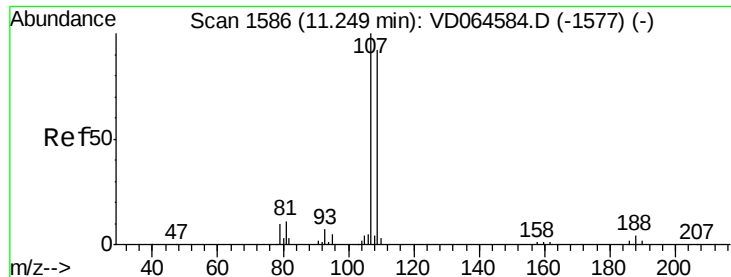
Tot Ion: 43 Resp: 158338
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 19.555 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 129 Resp: 85232
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.2

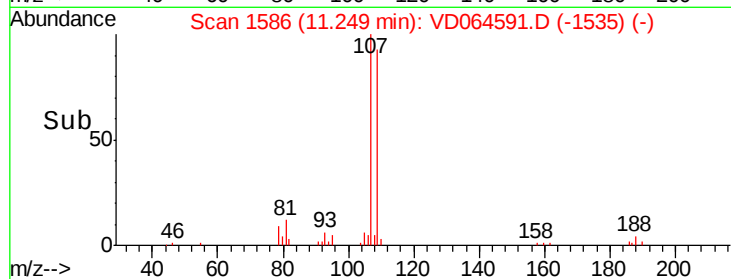
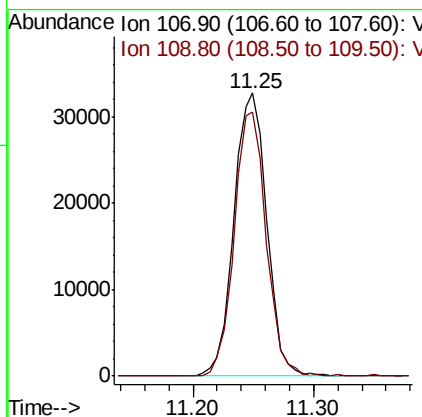
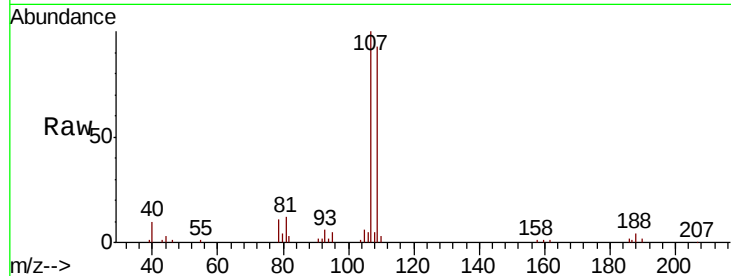




#61
 1,2-Dibromoethane
 Concen: 19.897 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

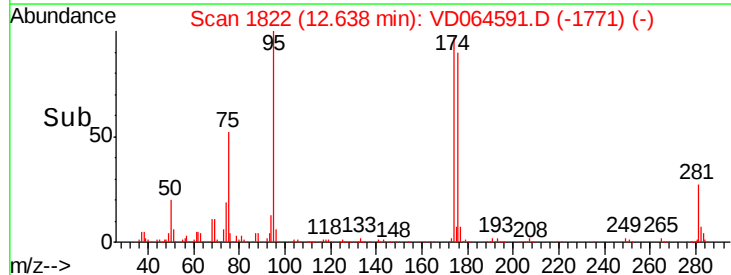
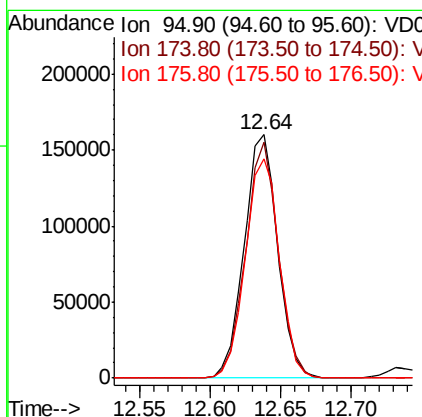
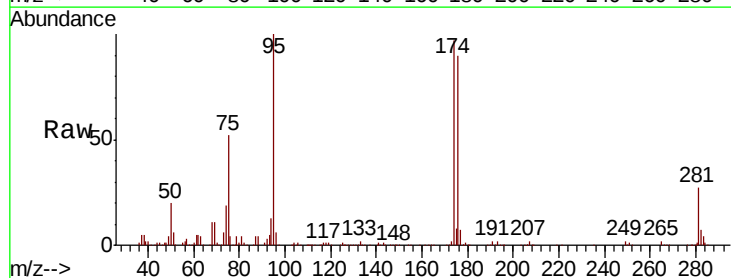
Instrument :
 MSVOA_D
 ClientSampleId :

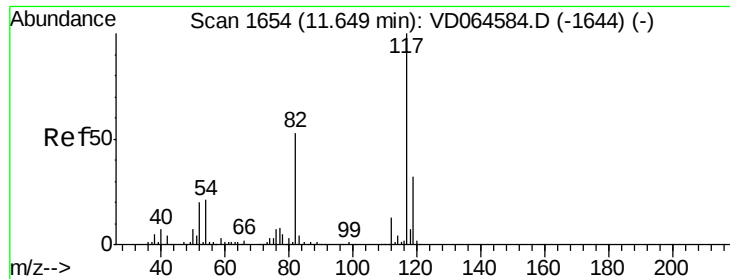
Tot Ion:107 Resp: 61856
 Ion Ratio Lower Upper
 107 100
 109 91.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.719 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion: 95 Resp: 266887
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 193.2
 176 91.8 0.0 184.2

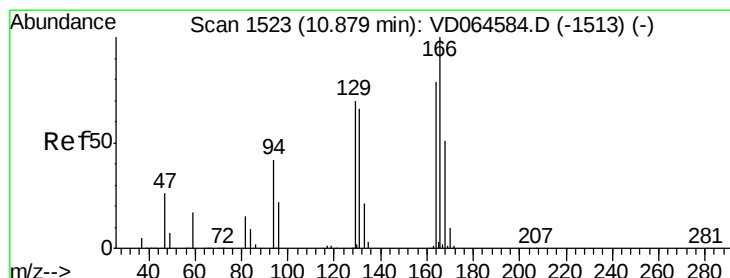
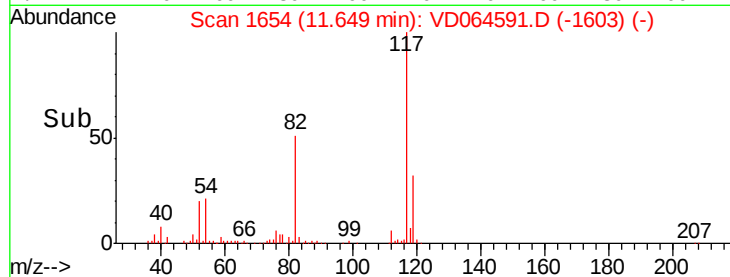
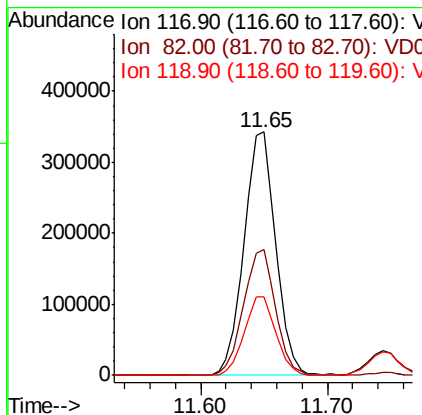
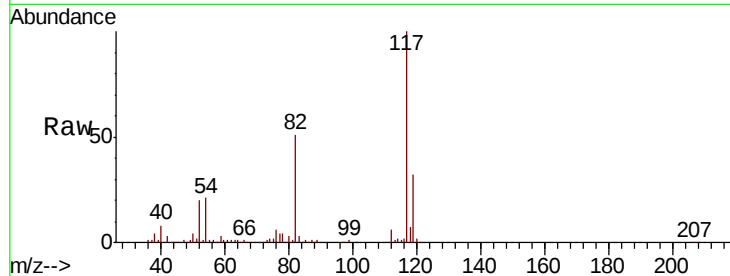




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

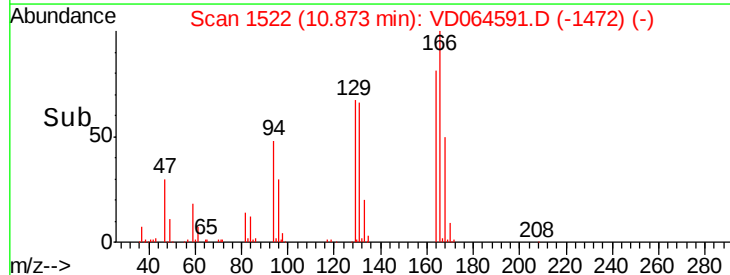
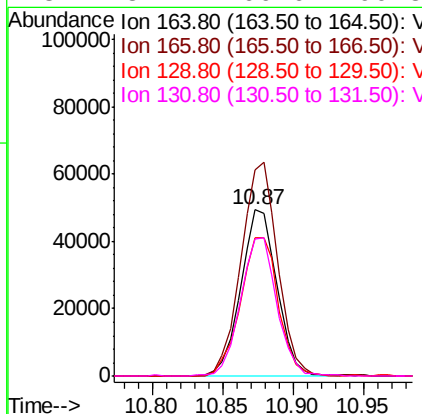
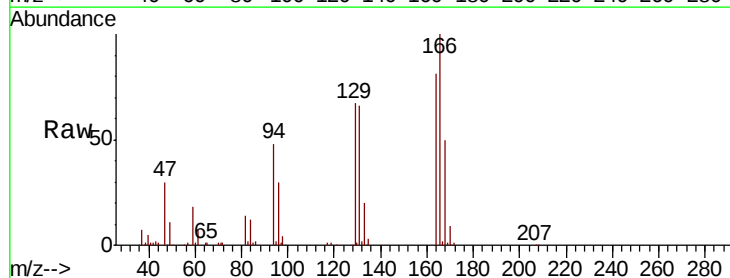
Instrument :
MSVOA_D
ClientSampleId :

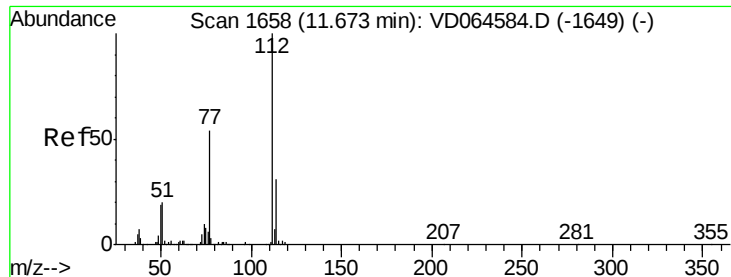
Tot Ion:117 Resp: 596620
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 19.422 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:164 Resp: 88900
Ion Ratio Lower Upper
164 100
166 123.9 101.3 151.9
129 83.5 70.5 105.7
131 82.1 66.6 99.8

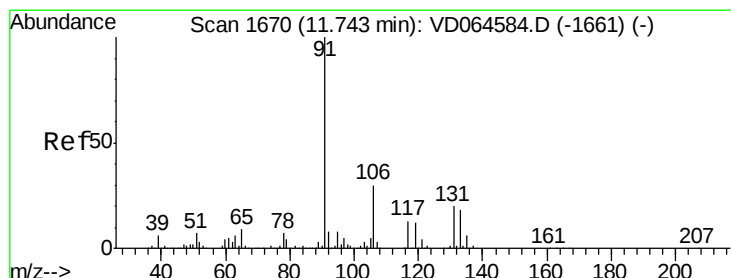
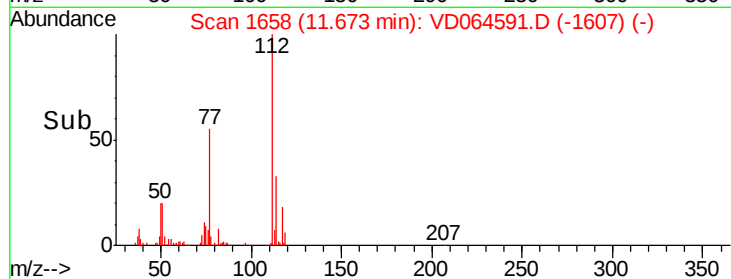
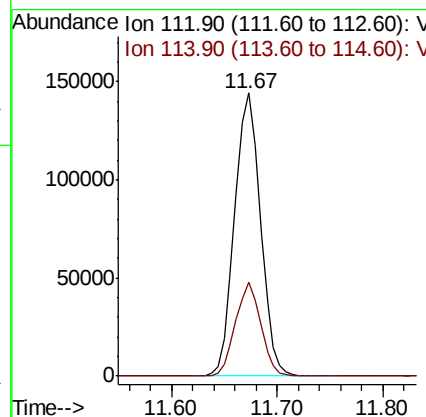
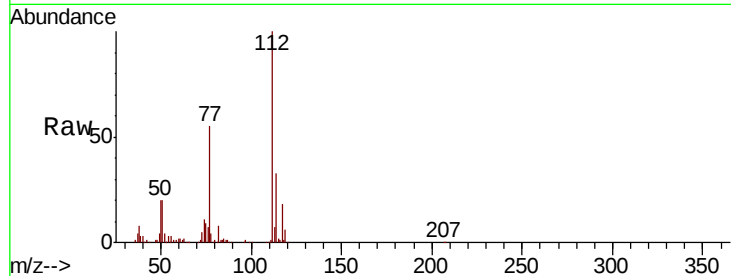




#65
Chlorobenzene
Concen: 19.808 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

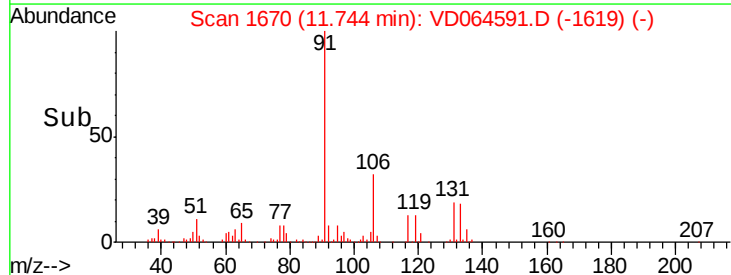
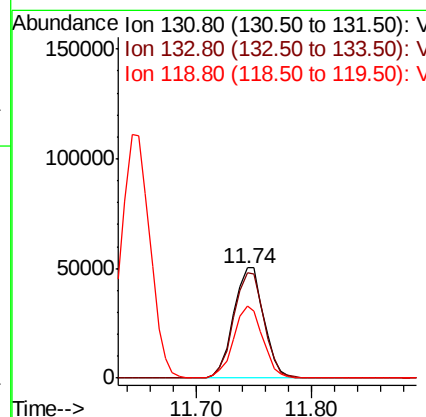
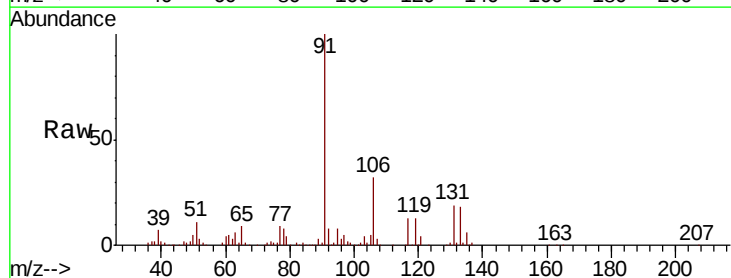
Instrument :
MSVOA_D
ClientSampled :

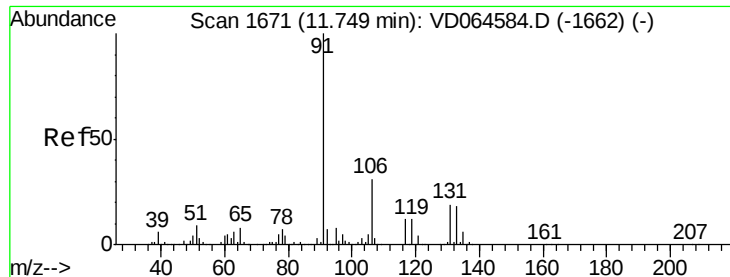
Tot Ion:112 Resp: 245277
Ion Ratio Lower Upper
112 100
114 33.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.651 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:131 Resp: 91735
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.8
119 62.5 32.1 96.3





#67

Ethyl Benzene

Concen: 19.462 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

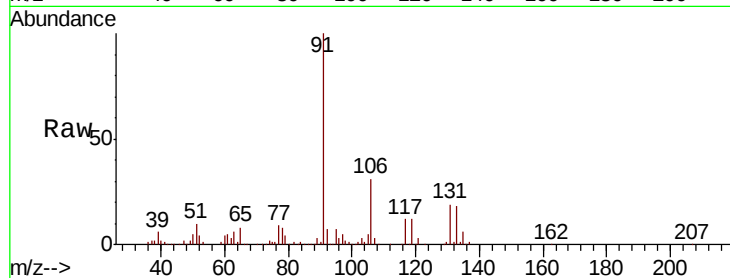
ClientSampled :

Tot Ion: 91 Resp: 437426

Ion Ratio Lower Upper

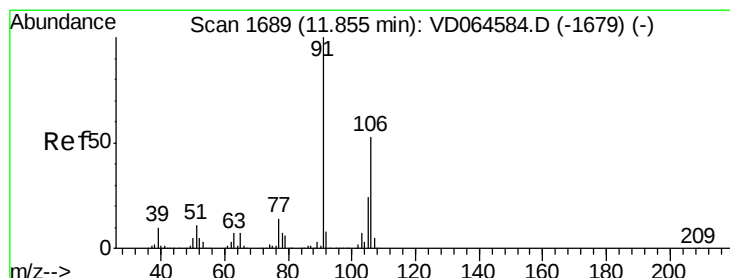
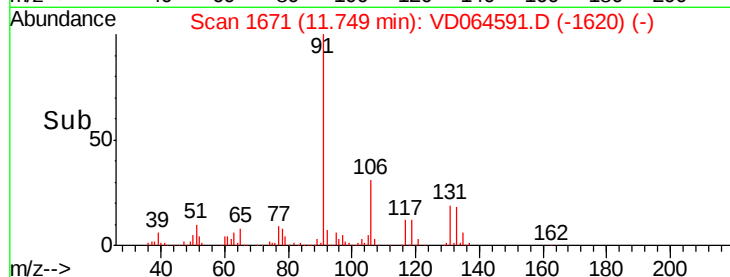
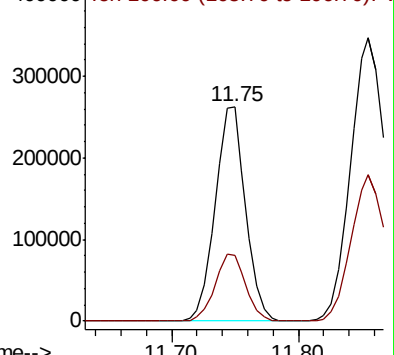
91 100

106 30.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 38.956 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064591.D

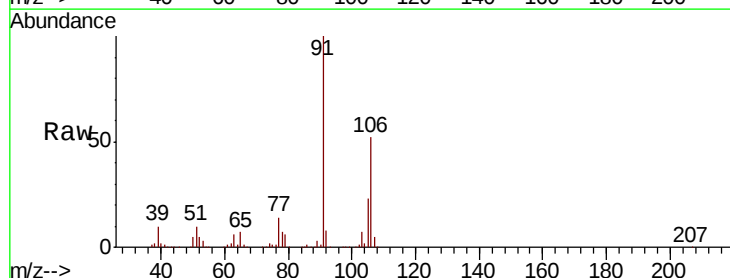
Acq: 26 Dec 2019 11:20

Tgt Ion: 106 Resp: 337948

Ion Ratio Lower Upper

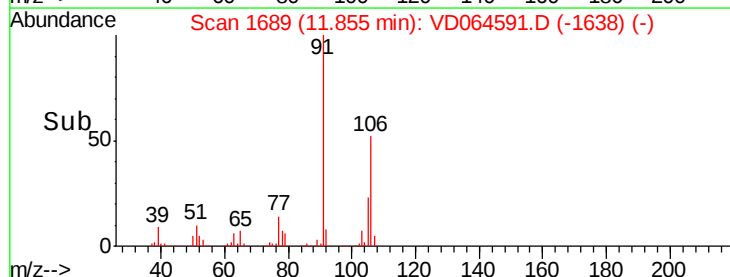
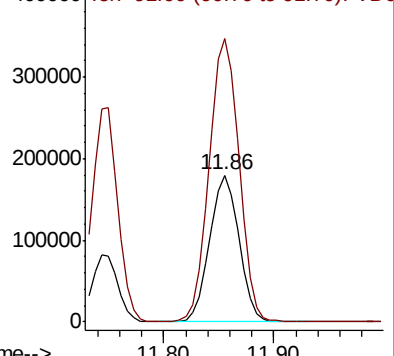
106 100

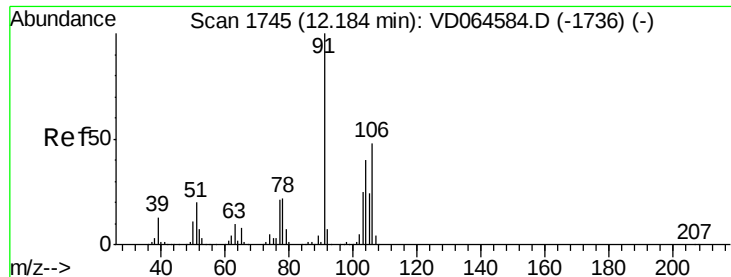
91 196.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

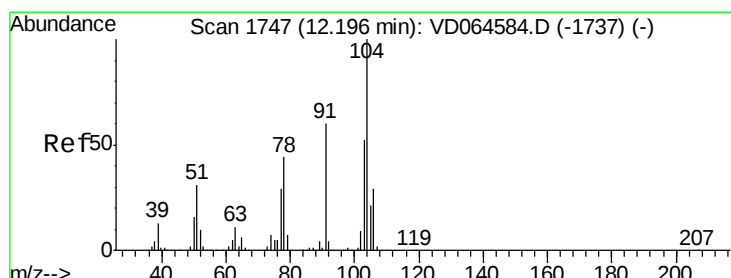
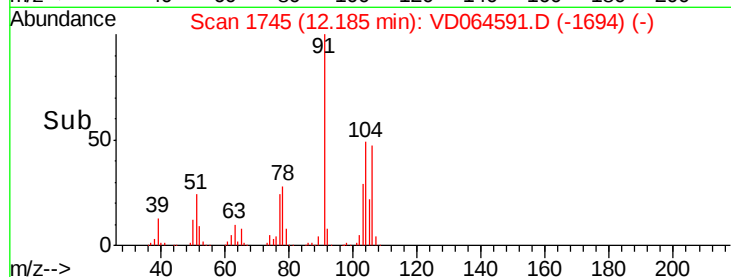
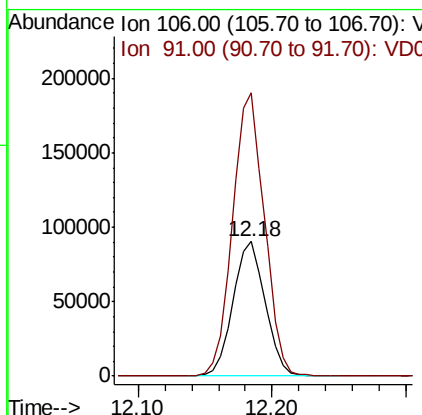
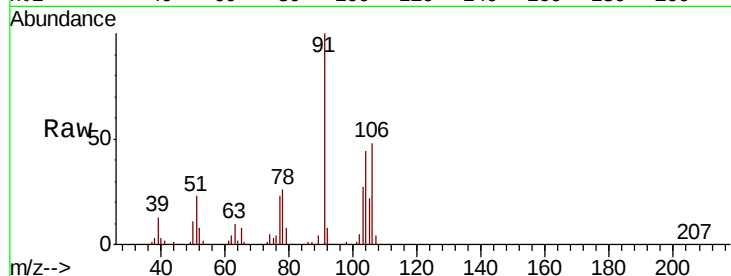




#69
o-Xylene
Concen: 19.346 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

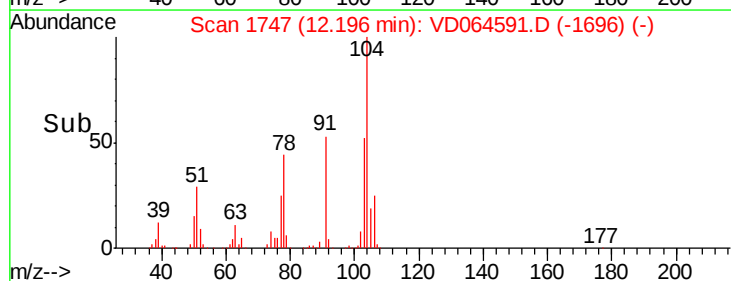
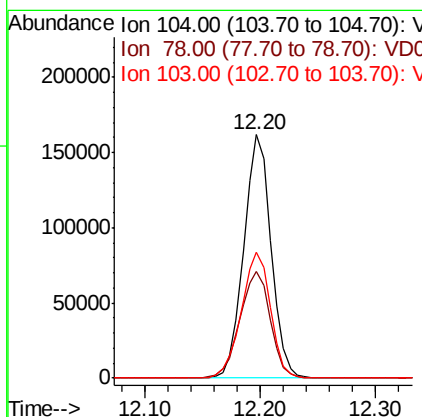
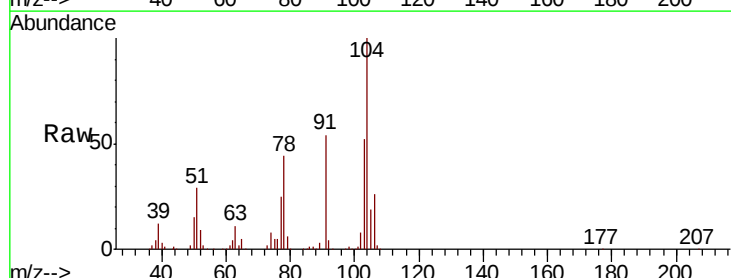
Instrument :
MSVOA_D
ClientSampled :

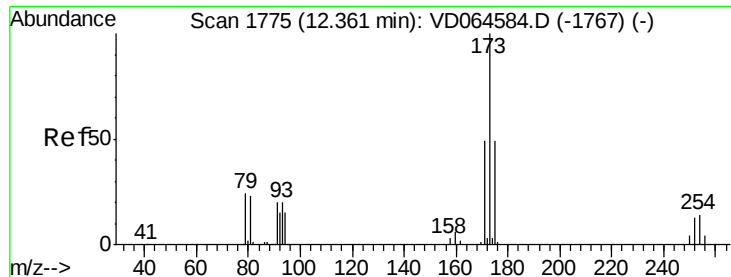
Tot Ion:106 Resp: 151588
Ion Ratio Lower Upper
106 100
91 207.8 104.8 314.4



#70
Styrene
Concen: 19.311 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:104 Resp: 265596
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 55.2 44.6 67.0

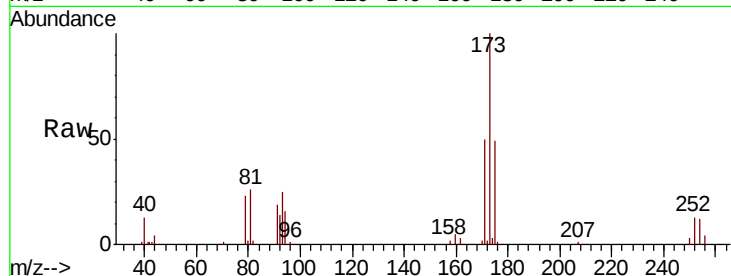




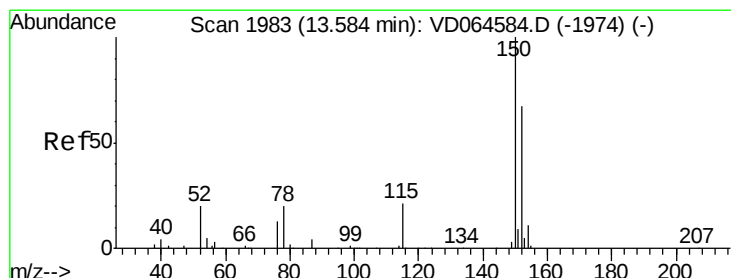
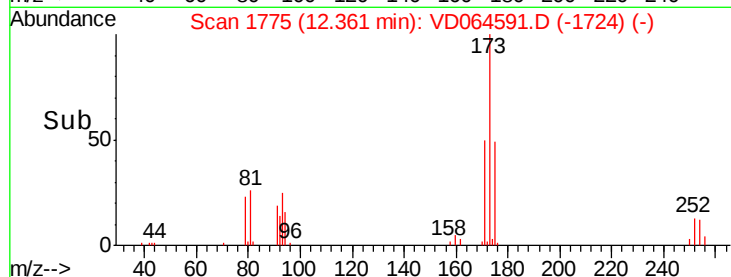
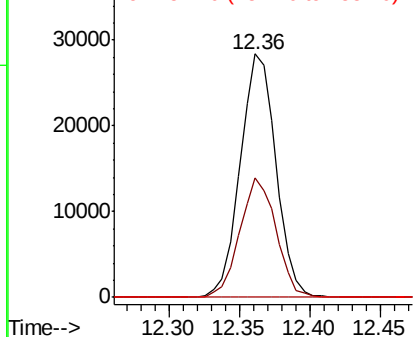
#71
Bromoform
Concen: 18.871 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.0	0.1	0.1#

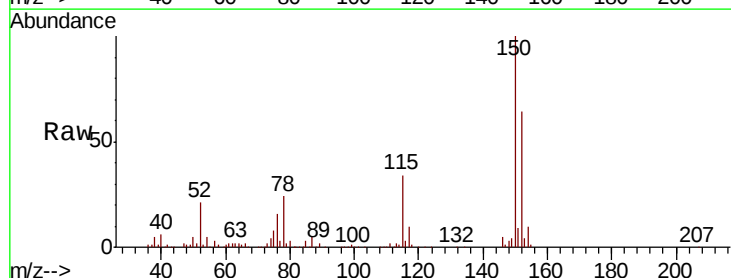


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

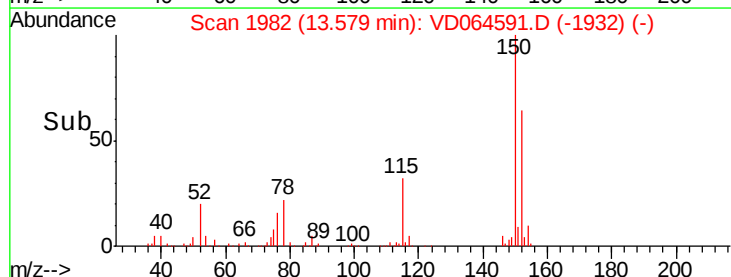
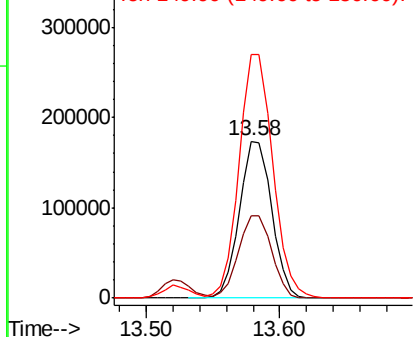


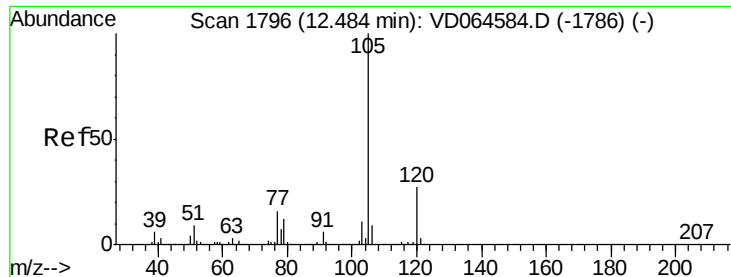
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	162.4	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

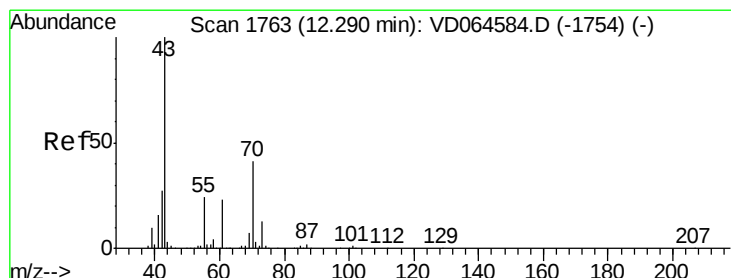
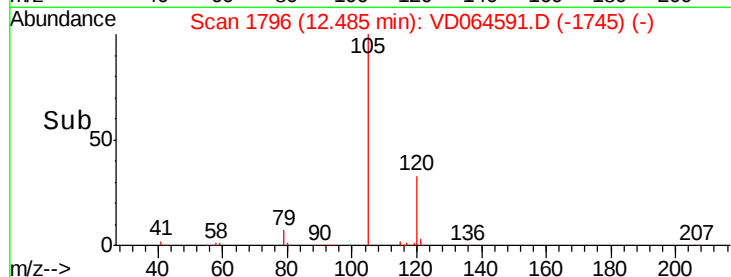
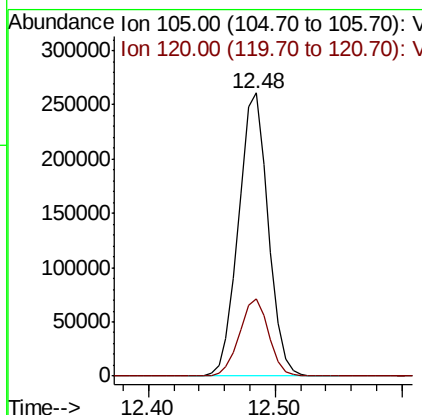
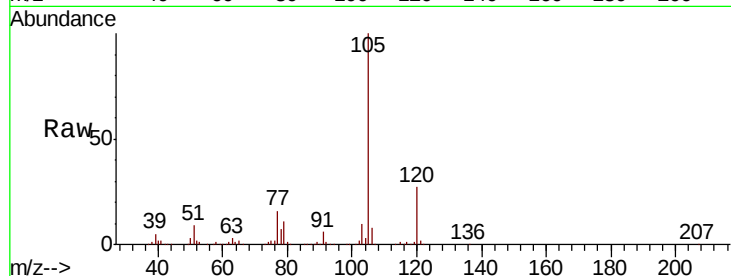




#73
Isopropylbenzene
Concen: 20.330 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

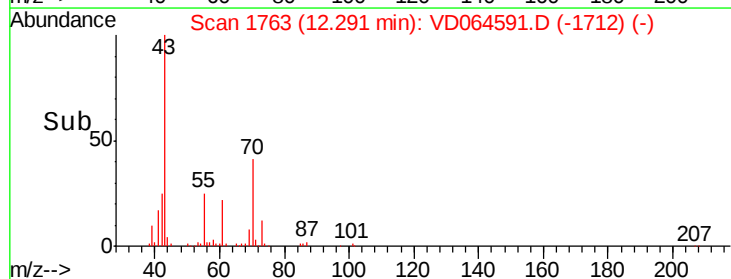
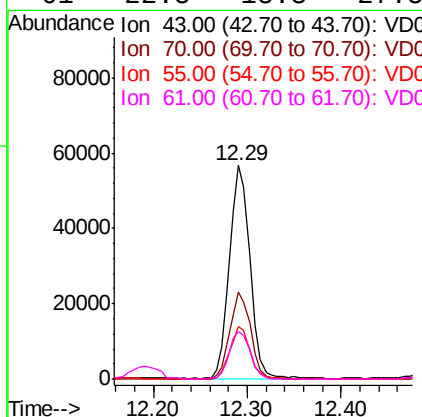
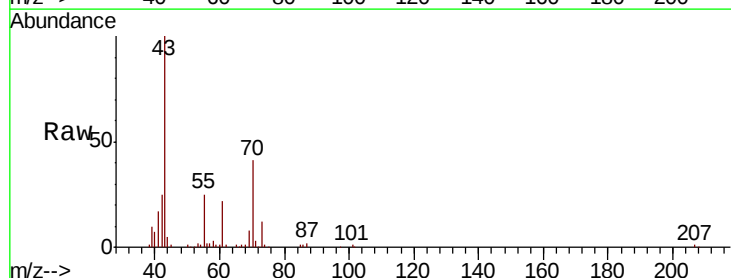
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:105 Resp: 422065
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5



#74
N-ethyl acetate
Concen: 19.645 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 43 Resp: 87182
Ion Ratio Lower Upper
43 100
70 40.2 33.4 50.0
55 23.8 19.4 29.0
61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.345 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

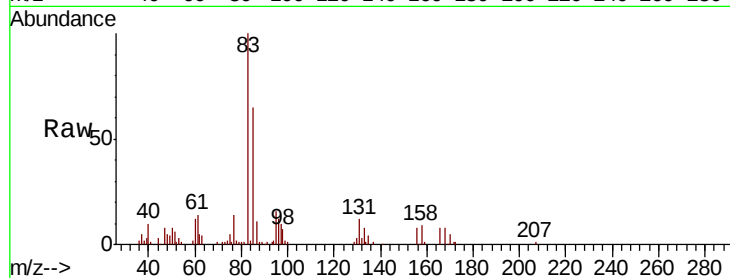
Tot Ion: 83 Resp: 63089

Ion Ratio Lower Upper

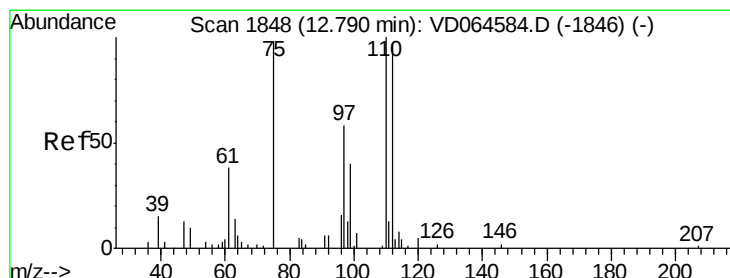
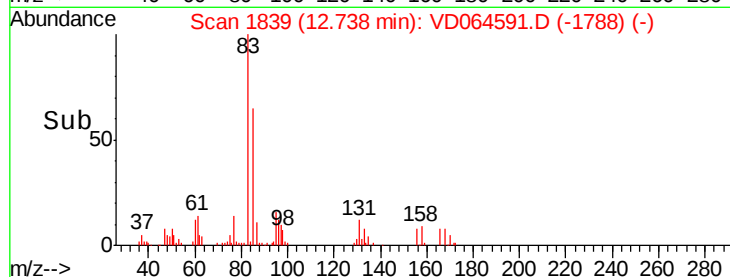
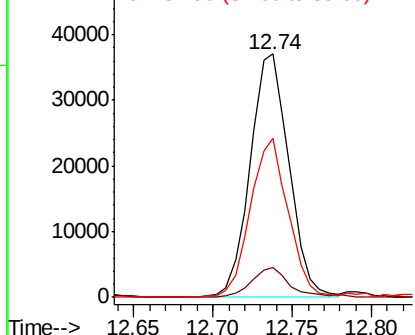
83 100

131 12.1 5.8 17.4

85 63.7 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: 37.688 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064591.D

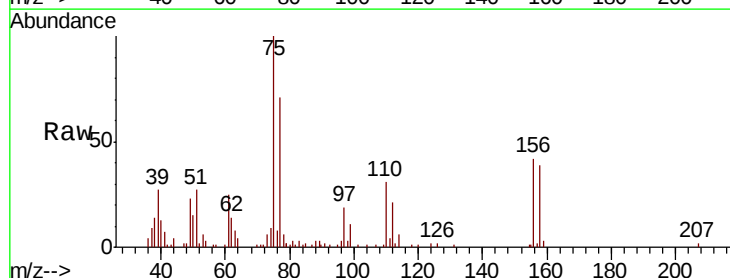
Acq: 26 Dec 2019 11:20

Tgt Ion: 75 Resp: 86459

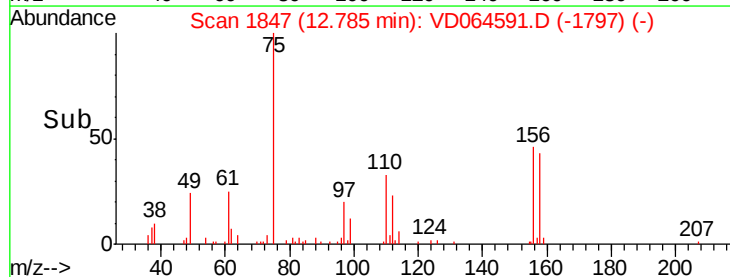
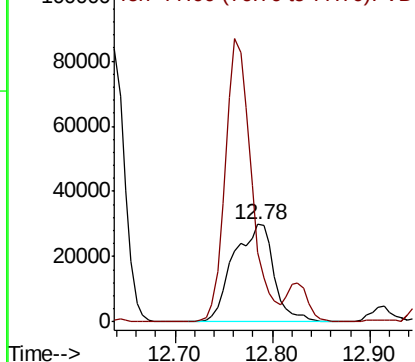
Ion Ratio Lower Upper

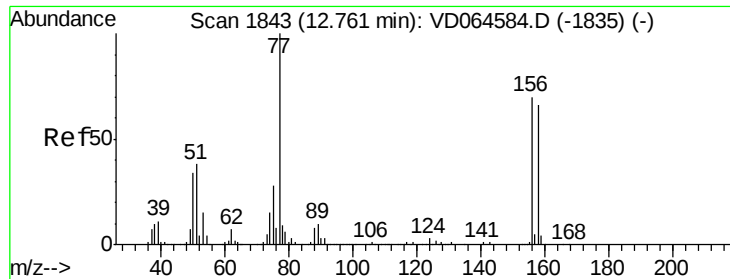
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.002 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

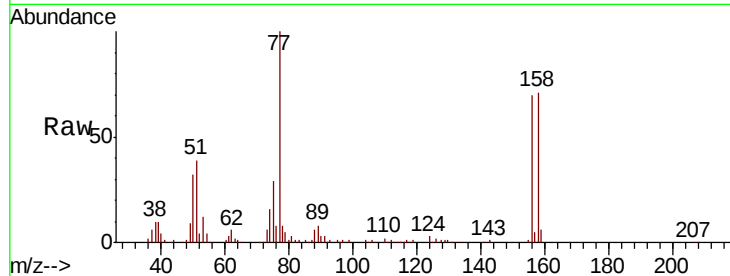
Tot Ion:156 Resp: 102036

Ion Ratio Lower Upper

156 100

77 158.8 80.9 242.7

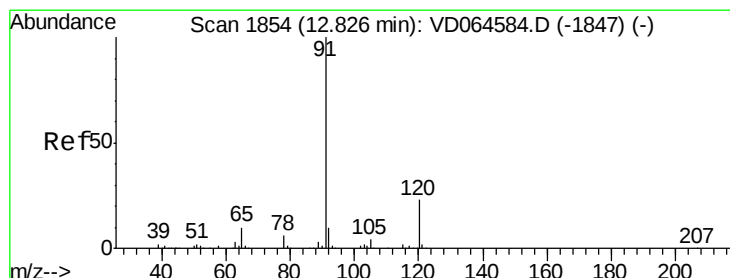
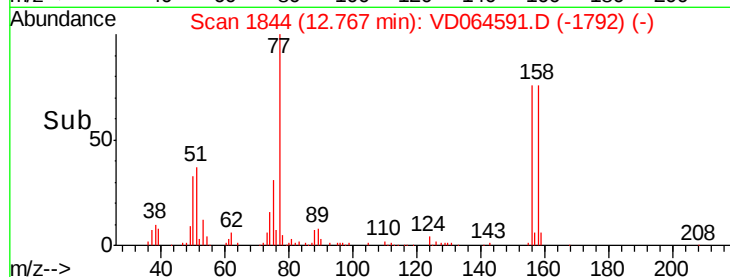
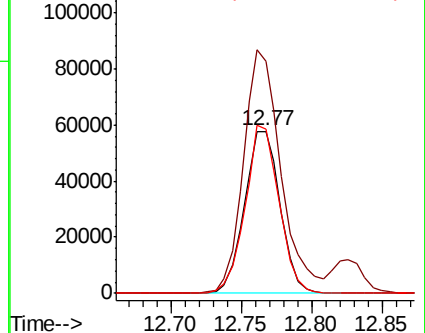
158 98.4 48.0 144.2



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: 20.143 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064591.D

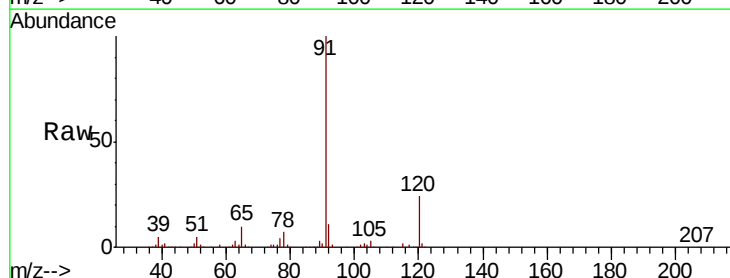
Acq: 26 Dec 2019 11:20

Tgt Ion: 91 Resp: 487871

Ion Ratio Lower Upper

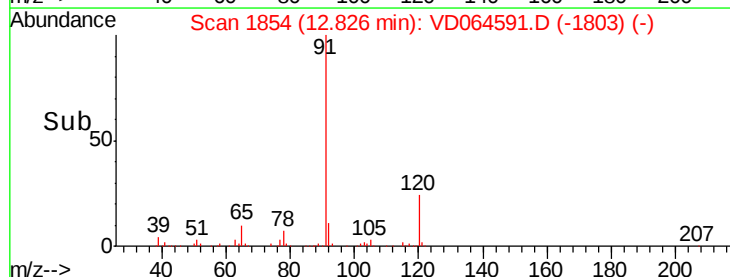
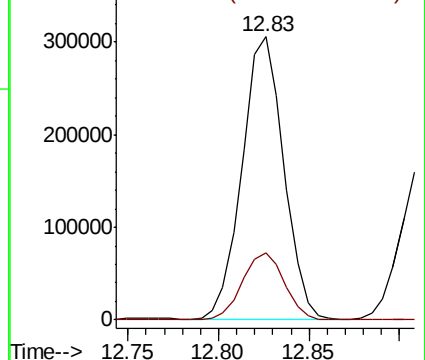
91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

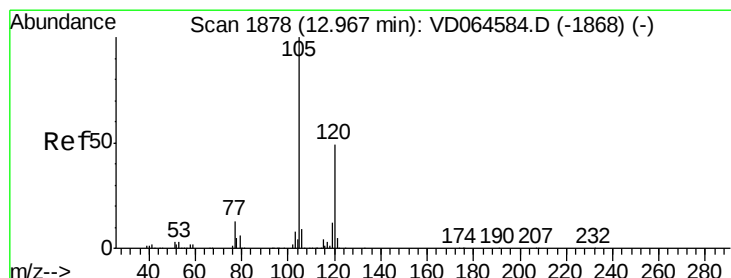
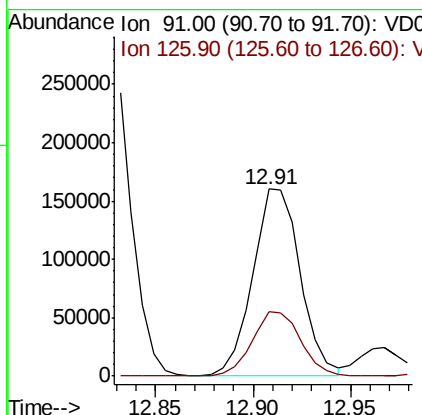
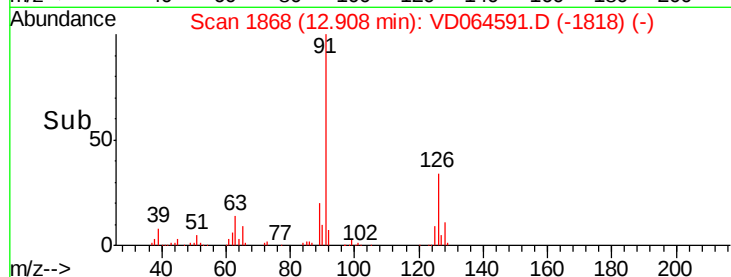
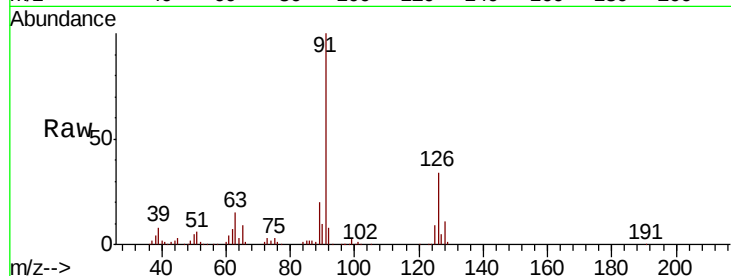




#79
2-Chlorotoluene
Concen: 20.293 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

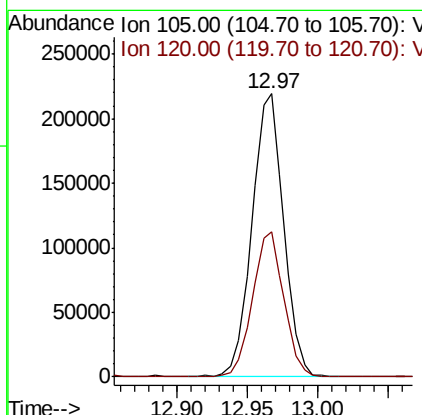
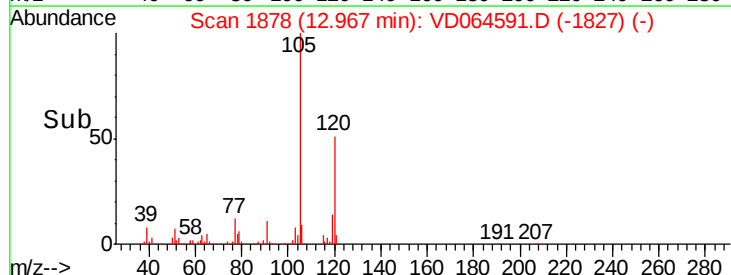
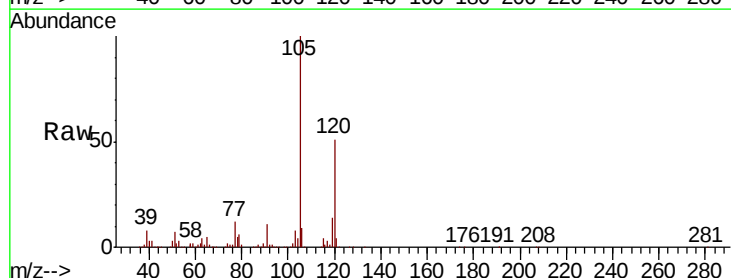
Instrument :
MSVOA_D
ClientSampleId :

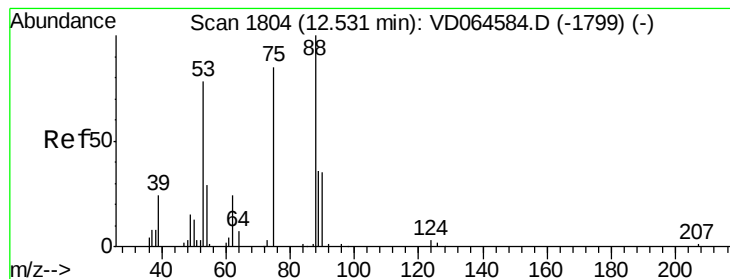
Tot Ion: 91 Resp: 269998
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 20.247 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:105 Resp: 345287
Ion Ratio Lower Upper
105 100
120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.202 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

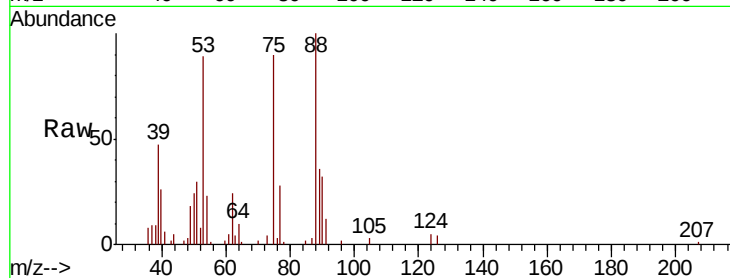
Tot Ion: 75 Resp: 21062

Ion Ratio Lower Upper

75 100

53 102.0 78.8 118.2

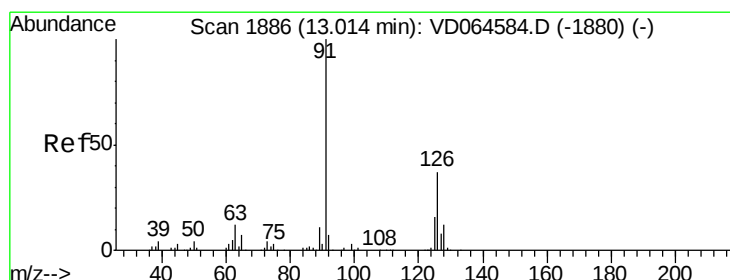
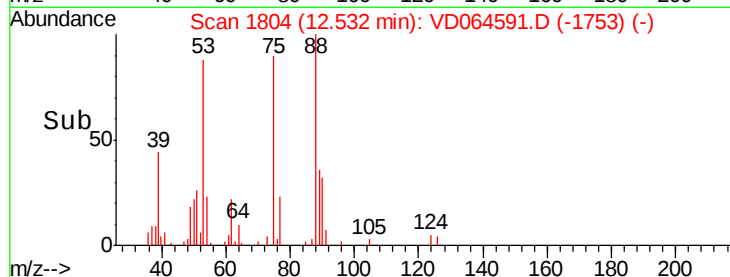
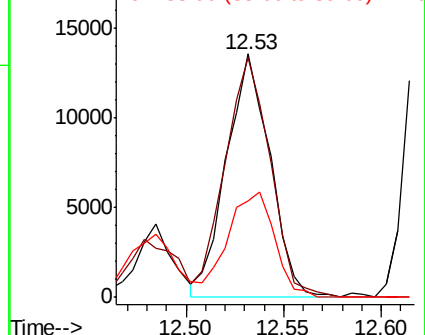
89 45.6 38.3 57.5



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: 19.909 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064591.D

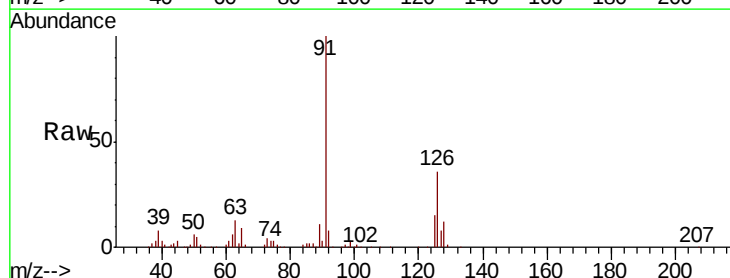
Acq: 26 Dec 2019 11:20

Tgt Ion: 91 Resp: 281893

Ion Ratio Lower Upper

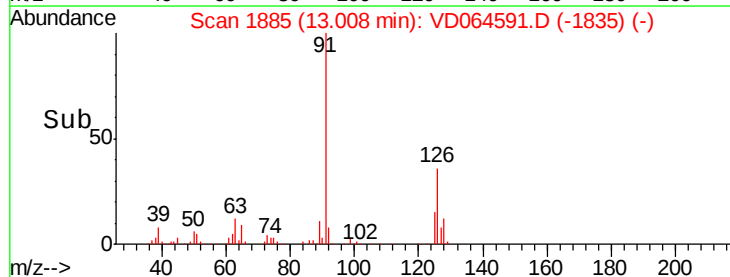
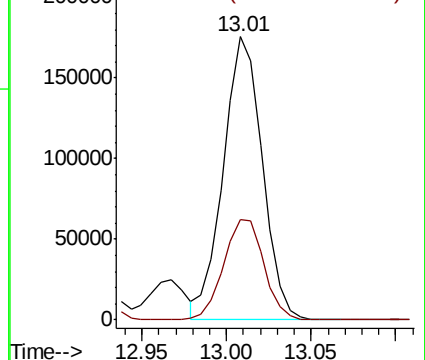
91 100

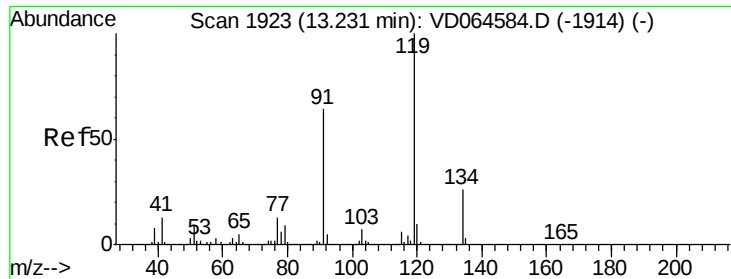
126 36.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

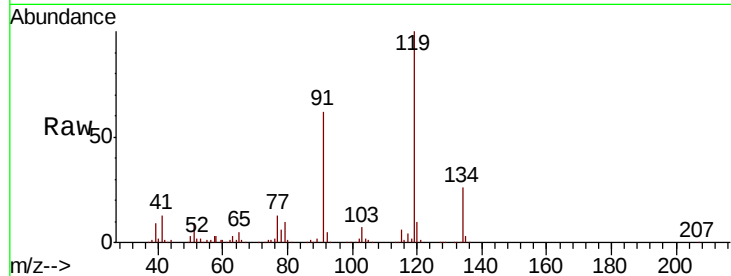




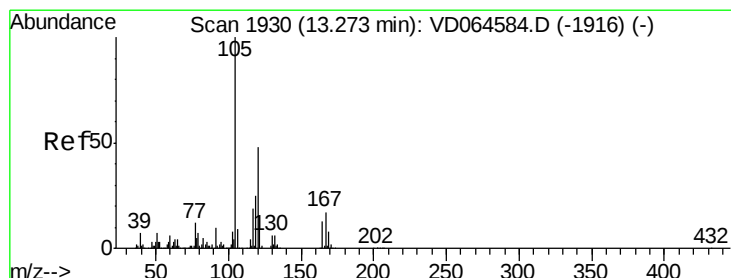
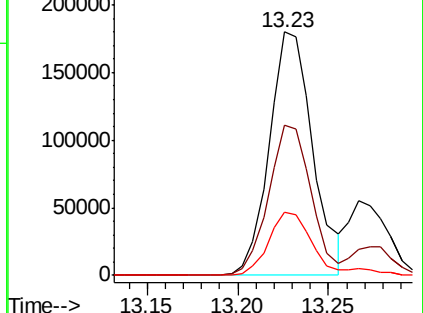
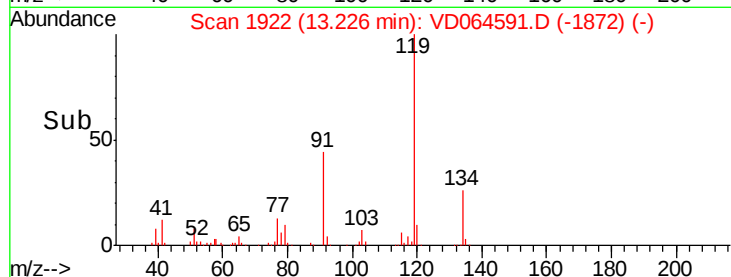
#83
tert-Butylbenzene
Concen: 20.355 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 301403
Ion Ratio Lower Upper
119 100
91 60.4 30.8 92.4
134 27.4 12.8 38.3

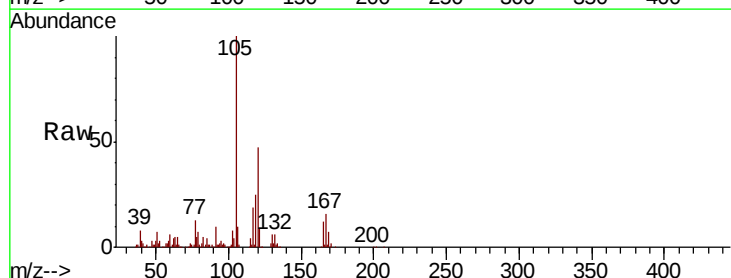


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

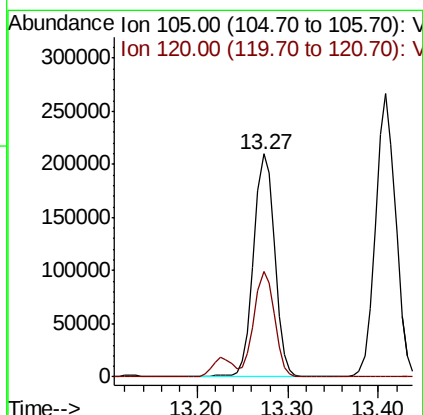
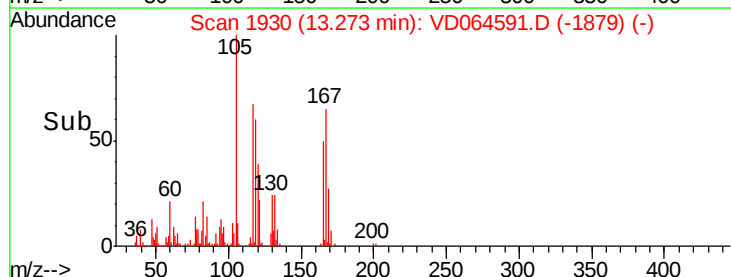


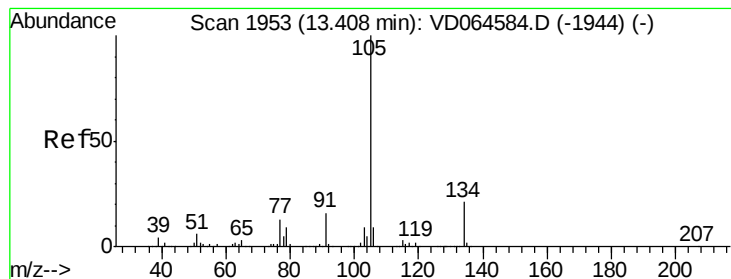
#84
1,2,4-Trimethylbenzene
Concen: 19.982 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:105 Resp: 339387
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 20.242 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

Instrument :

MSVOA_D

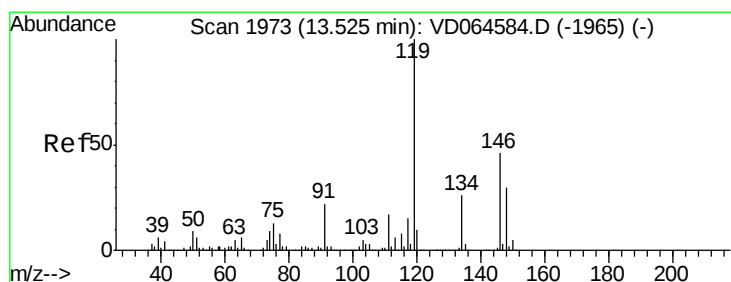
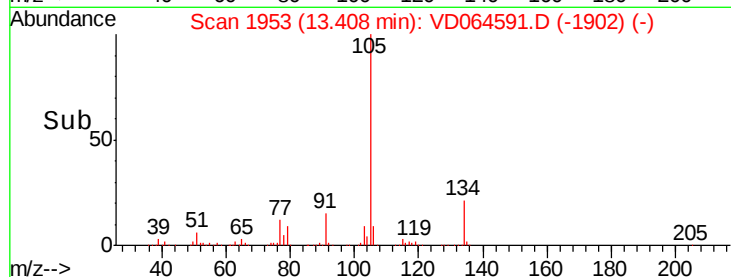
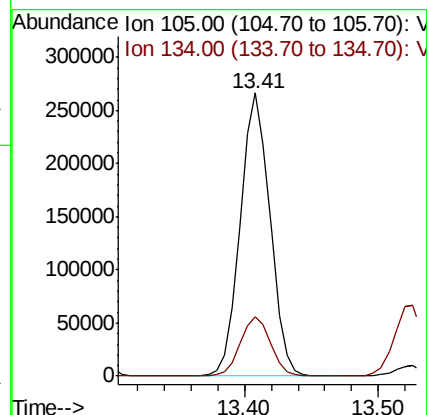
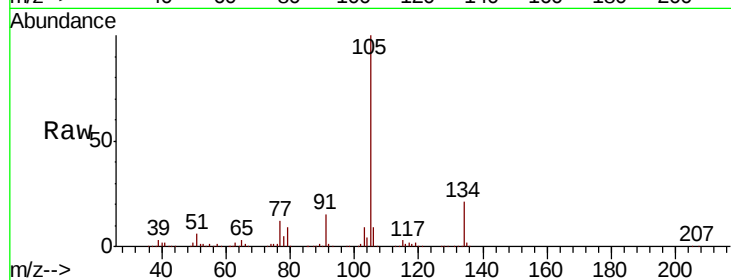
ClientSampleId :

Tot Ion:105 Resp: 410912

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8



#86

p-Isopropyltoluene

Concen: 19.774 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064591.D

Acq: 26 Dec 2019 11:20

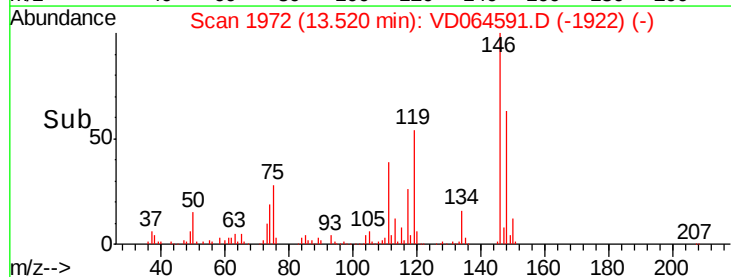
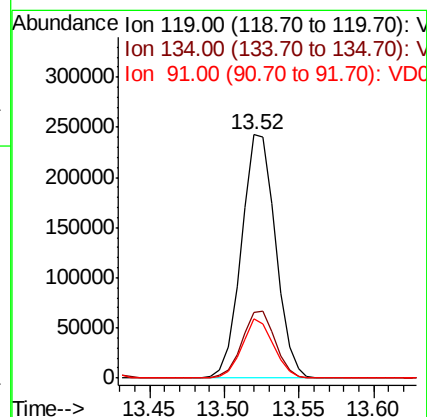
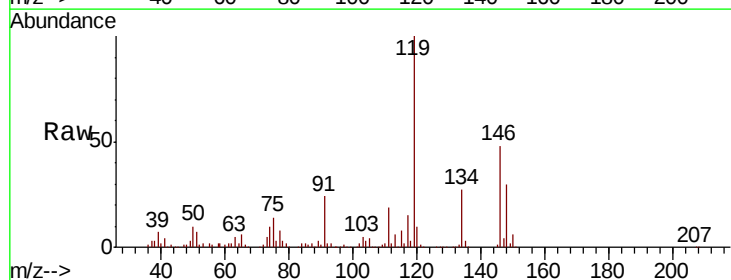
Tgt Ion:119 Resp: 383815

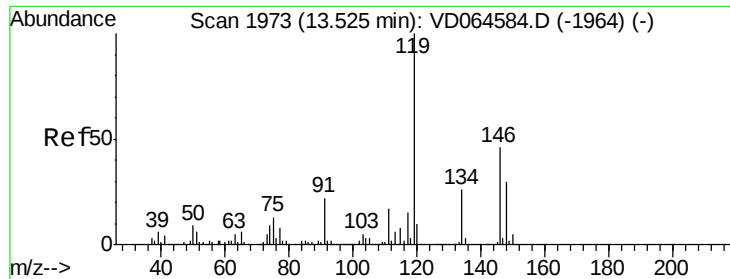
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.8 11.2 33.6

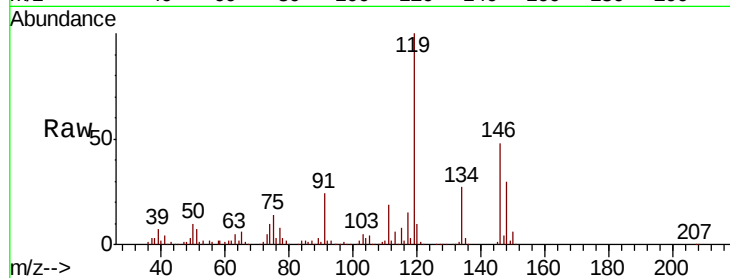




#87
 1,3-Dichlorobenzene
 Concen: 19.857 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.4
148	65.3	32.5	97.5

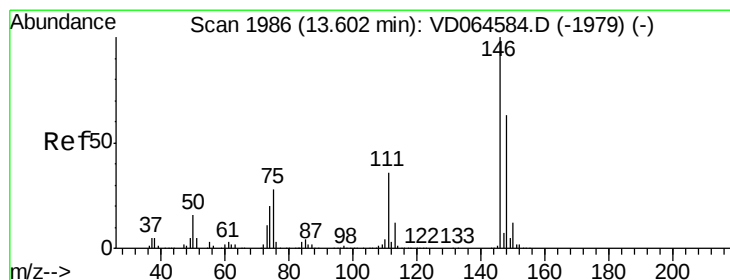
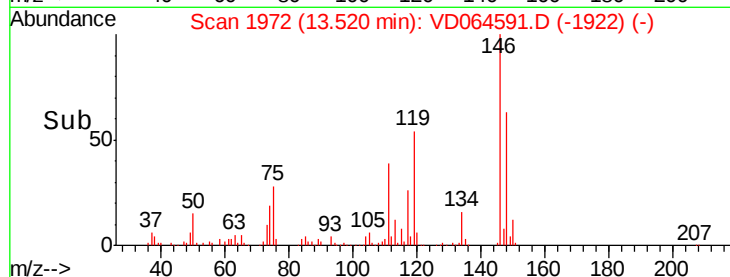
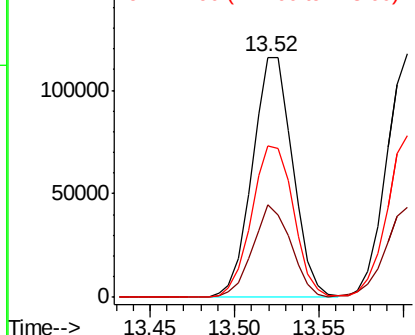


Abundance

Ion 145.90 (145.60 to 146.60): V

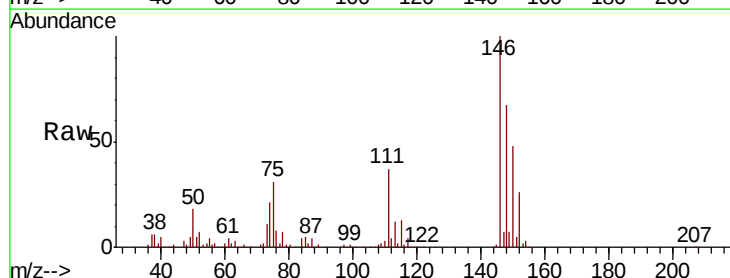
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 20.064 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	65.1	32.3	96.9

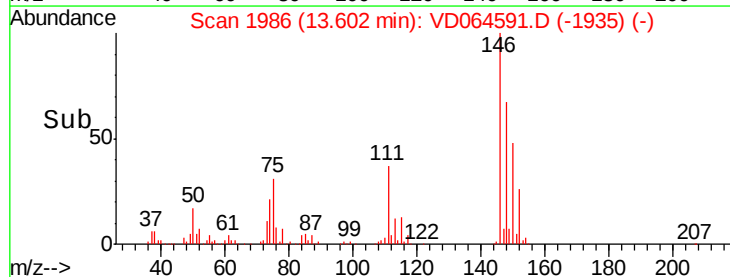
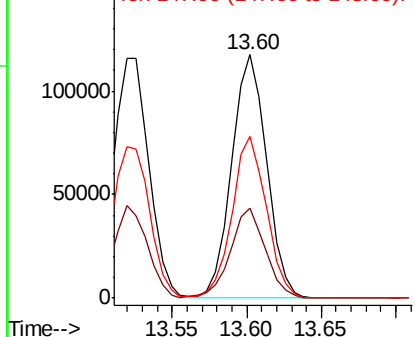


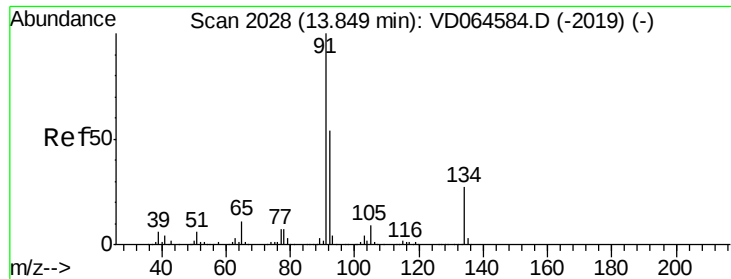
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

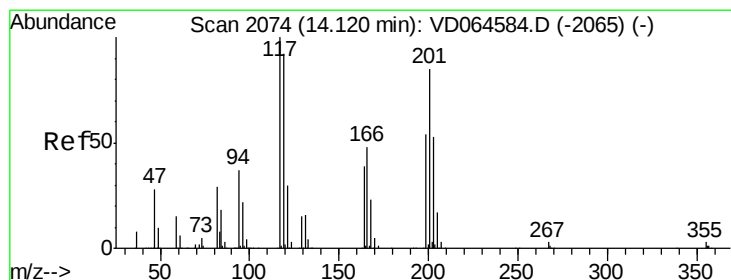
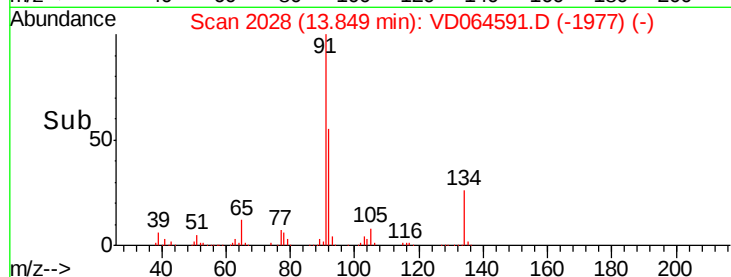
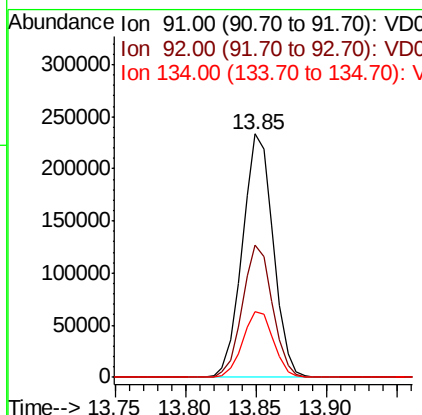
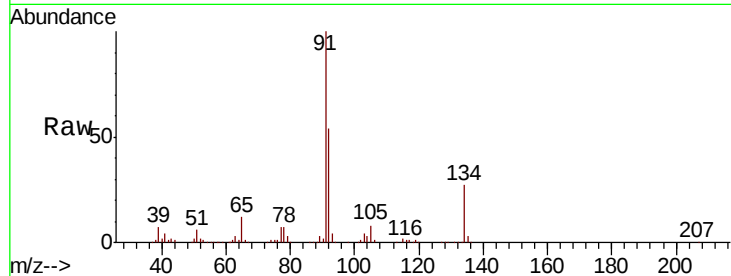




#89
n-Butylbenzene
Concen: 20.389 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

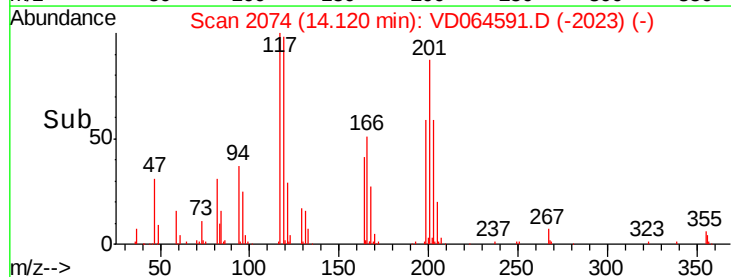
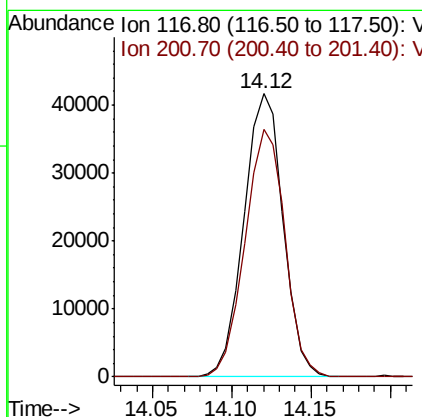
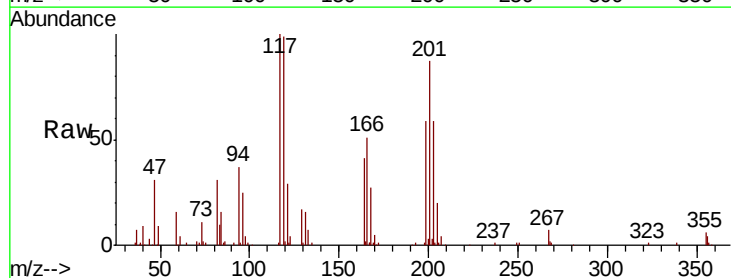
Instrument :
MSVOA_D
ClientSampleId :

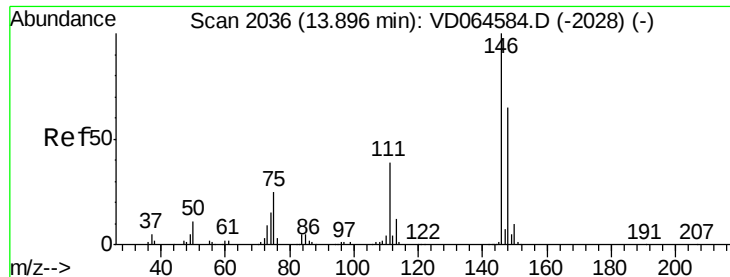
Tot Ion: 91 Resp: 356395
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 19.316 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion: 117 Resp: 71620
Ion Ratio Lower Upper
117 100
201 88.9 44.0 131.8

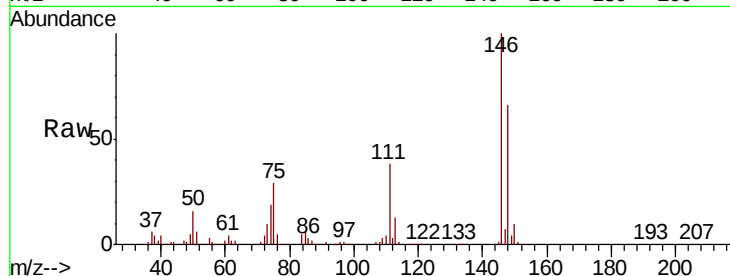




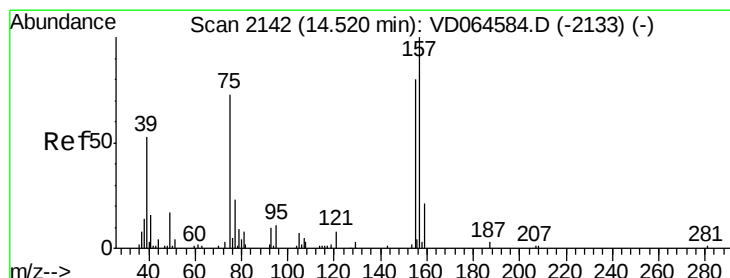
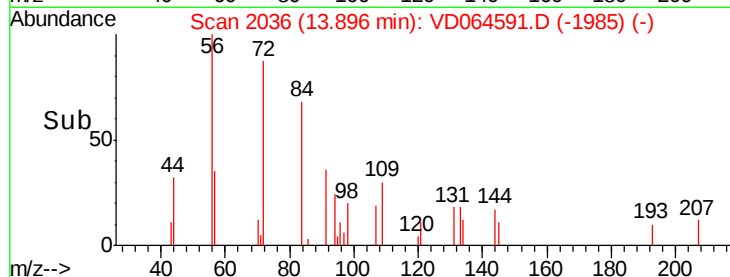
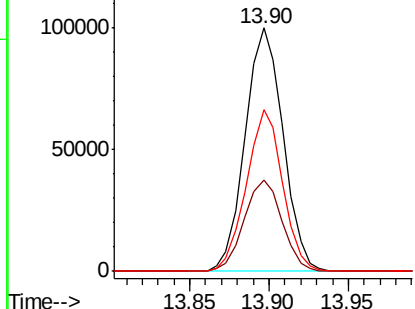
#91
 1,2-Dichlorobenzene
 Concen: 20.068 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	63.5	31.9	95.5

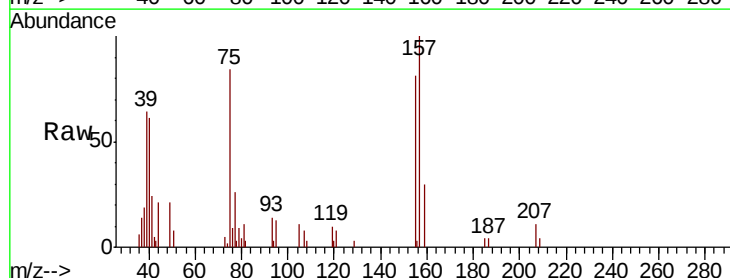


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

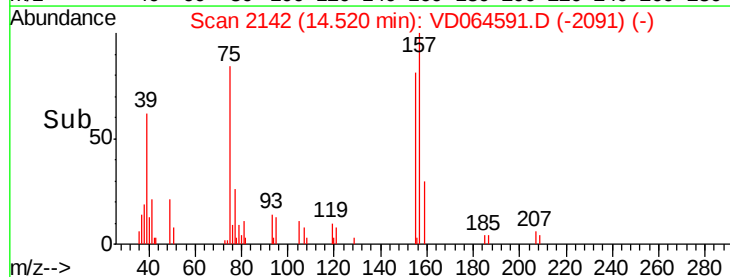
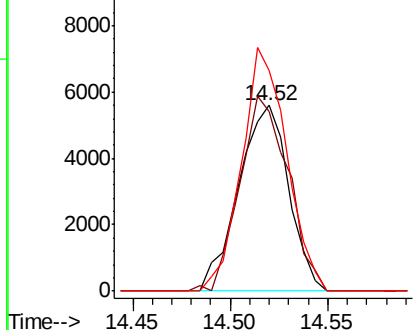


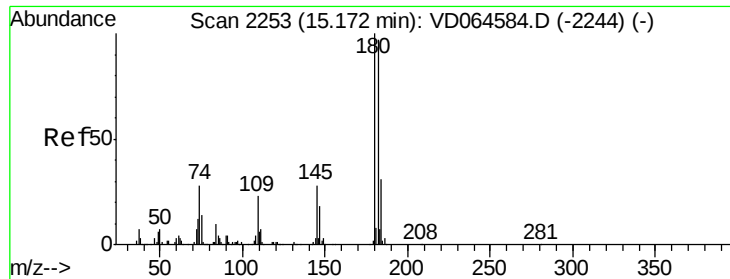
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.803 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	48.0	144.0
157	118.3	64.1	192.3



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

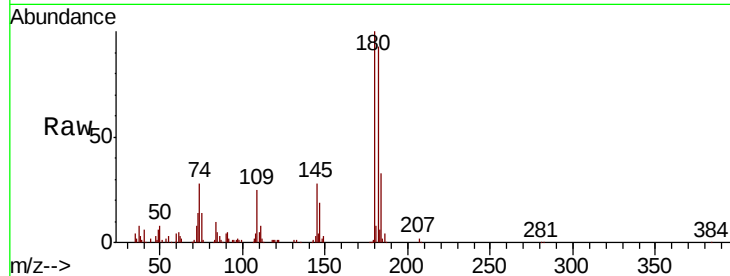




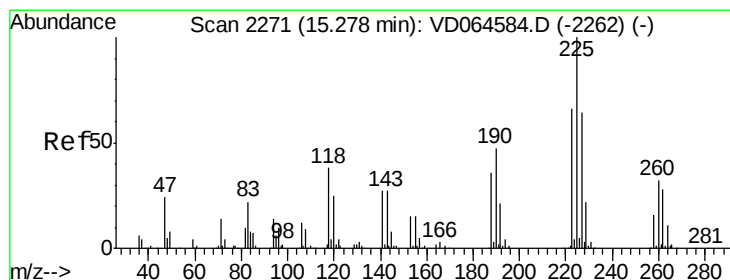
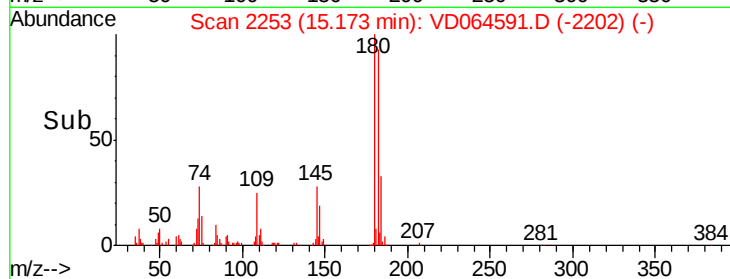
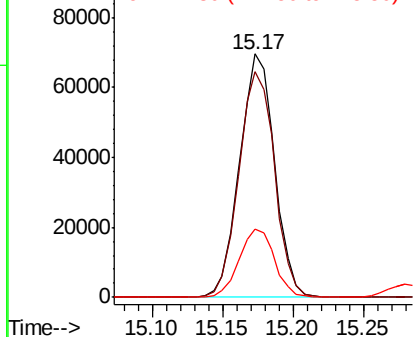
#93
 1,2,4-Trichlorobenzene
 Concen: 19.784 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	28.4	13.8	41.4

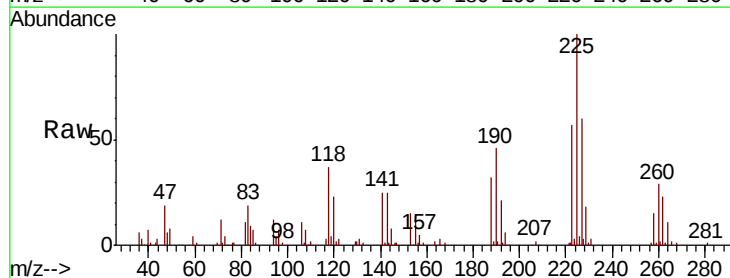


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

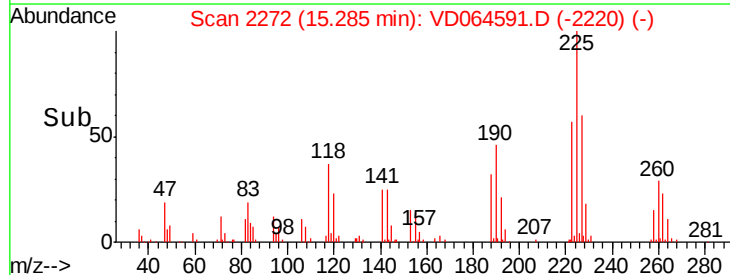
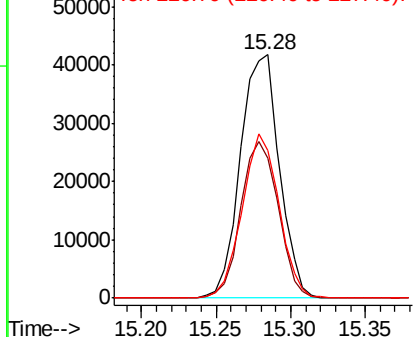


#94
 Hexachlorobutadiene
 Concen: 19.674 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064591.D
 Acq: 26 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.2
227	63.9	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

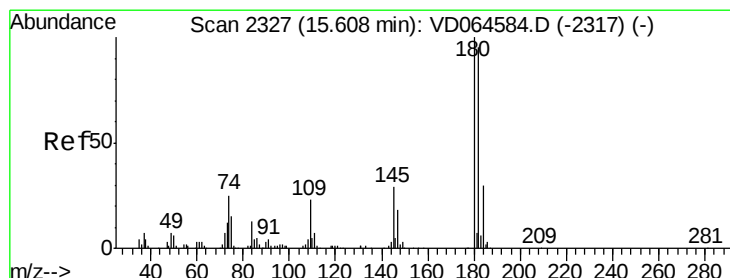
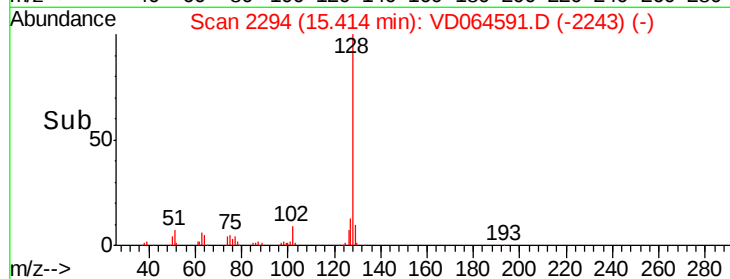
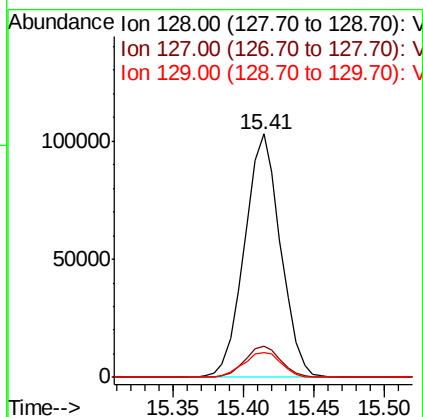
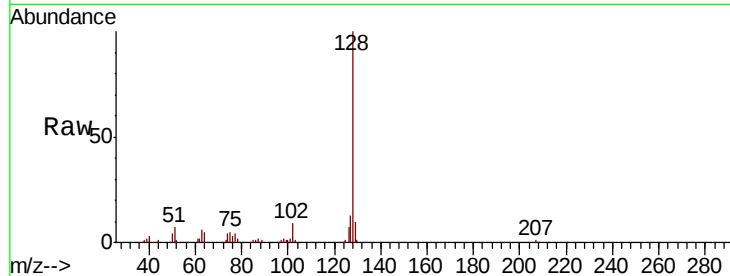




#95
Naphthalene
Concen: 19.030 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 183813
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.586 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064591.D
Acq: 26 Dec 2019 11:20

Tgt Ion:180 Resp: 102090
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 29.2 14.9 44.7

