

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064585.D
 Acq On : 24 Dec 2019 12:14
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:11:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	618022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	554348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	377686	95.61	ug/l	0.00
Spiked Amount			Recovery	=	191.22%	
35) Dibromofluoromethane	7.92	113	376208	97.66	ug/l	0.00
Spiked Amount			Recovery	=	195.32%	
50) Toluene-d8	10.34	98	1486539	102.81	ug/l	0.00
Spiked Amount			Recovery	=	205.62%	
62) 4-Bromofluorobenzene	12.64	95	464248	100.91	ug/l	0.00
Spiked Amount			Recovery	=	201.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	314248	86.452	ug/l	99
3) Chloromethane	2.21	50	423119	82.434	ug/l	98
4) Vinyl Chloride	2.35	62	537728	87.277	ug/l	99
5) Bromomethane	2.76	94	380356	85.303	ug/l	99
6) Chloroethane	2.92	64	364964	88.815	ug/l	98
7) Trichlorofluoromethane	3.27	101	894796	85.776	ug/l	99
8) Diethyl Ether	3.70	74	178974	86.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	370055	85.680	ug/l	99
10) Methyl Iodide	4.30	142	477591	113.293	ug/l	98
11) Tert butyl alcohol	5.25	59	110436	695.243	ug/l	98
12) 1,1-Dichloroethene	4.06	96	356467	87.177	ug/l	97
13) Acrolein	3.93	56	154553	484.197	ug/l	99
14) Allyl chloride	4.71	41	566275	90.042	ug/l	100
15) Acrylonitrile	5.43	53	384426	454.820	ug/l	100
16) Acetone	4.17	43	368184	426.926	ug/l	95
17) Carbon Disulfide	4.40	76	1151666	87.106	ug/l	99
18) Methyl Acetate	4.73	43	197558	85.628	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	823851	92.913	ug/l	96
20) Methylene Chloride	4.96	84	377546	74.119	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	410280	89.074	ug/l	98
22) Diisopropyl ether	6.37	45	1138247	91.157	ug/l	98
23) Vinyl Acetate	6.31	43	3437304	499.447	ug/l	100
24) 1,1-Dichloroethane	6.27	63	675246	89.526	ug/l	99
25) 2-Butanone	7.22	43	516288	466.322	ug/l	95
26) 2,2-Dichloropropane	7.21	77	618418	87.590	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	449872	91.059	ug/l	99
28) Bromochloromethane	7.55	49	272463	94.098	ug/l	98
29) Tetrahydrofuran	7.57	42	322147	469.495	ug/l	99
30) Chloroform	7.71	83	702649	88.498	ug/l	97
31) Cyclohexane	7.98	56	633652	81.174	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	664723	89.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	568262	92.444	ug/l	99
37) Ethyl Acetate	7.30	43	227542	94.901	ug/l	99
38) Carbon Tetrachloride	8.10	117	627799	97.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	715969	97.564	ug/l	98
40) Benzene	8.35	78	1597620	96.709	ug/l	98
41) Methacrylonitrile	7.54	41	128129	90.999	ug/l	90
42) 1,2-Dichloroethane	8.43	62	460870	95.904	ug/l	98
43) Isopropyl Acetate	8.46	43	461471	97.163	ug/l	100
44) Trichloroethene	9.11	130	457281	92.850	ug/l	99
45) 1,2-Dichloropropane	9.39	63	373133	93.517	ug/l	95
46) Dibromomethane	9.48	93	211485	95.525	ug/l	98
47) Bromodichloromethane	9.66	83	553459	93.117	ug/l	99
48) Methyl methacrylate	9.46	41	211432	93.524	ug/l	91
49) 1,4-Dioxane	9.46	88	48455	1878.249	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1152446	495.201	ug/l	99
52) Toluene	10.40	92	1059492	98.573	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	542344	100.484	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	624844	97.617	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	276342	91.614	ug/l	97
56) Ethyl methacrylate	10.66	69	363496	99.329	ug/l	99
57) 1,3-Dichloropropane	10.95	76	485900	94.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	671235	468.931	ug/l	99
59) 2-Hexanone	10.98	43	802400	510.246	ug/l	100
60) Dibromochloromethane	11.14	129	395331	96.117	ug/l	100
61) 1,2-Dibromoethane	11.25	107	281687	95.862	ug/l	99
64) Tetrachloroethene	10.88	164	402496	91.124	ug/l	98
65) Chlorobenzene	11.67	112	1097139	92.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	430474	98.056	ug/l	98
67) Ethyl Benzene	11.75	91	2048896	96.504	ug/l	98
68) m/p-Xylenes	11.86	106	1586754	194.013	ug/l	97
69) o-Xylene	12.18	106	725226	98.643	ug/l	100
70) Styrene	12.20	104	1291660	101.201	ug/l	99
71) Bromoform	12.36	173	243457	96.559	ug/l #	98
73) Isopropylbenzene	12.48	105	1977711	93.931	ug/l	100
74) N-amyl acetate	12.29	43	435108	97.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	299632	88.487	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	407492	101.477	ug/l #	100
77) Bromobenzene	12.77	156	482229	92.413	ug/l	98
78) n-propylbenzene	12.83	91	2306373	93.697	ug/l	99
79) 2-Chlorotoluene	12.91	91	1248340	91.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1630171	94.512	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	104636	93.979	ug/l	97
82) 4-Chlorotoluene	13.01	91	1338506	93.090	ug/l	99
83) tert-Butylbenzene	13.23	119	1427265	95.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1642116	96.103	ug/l	98
85) sec-Butylbenzene	13.41	105	1967054	95.995	ug/l	99
86) p-Isopropyltoluene	13.53	119	1907416	97.946	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	934815	95.055	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	896082	91.701	ug/l	99
89) n-Butylbenzene	13.85	91	1688649	95.801	ug/l	99
90) Hexachloroethane	14.12	117	337705	87.871	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	776306	91.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	47672	86.173	ug/l	98

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QLast Update : Tue Dec 24 12:11:16 2019
Response via : Initial Calibration

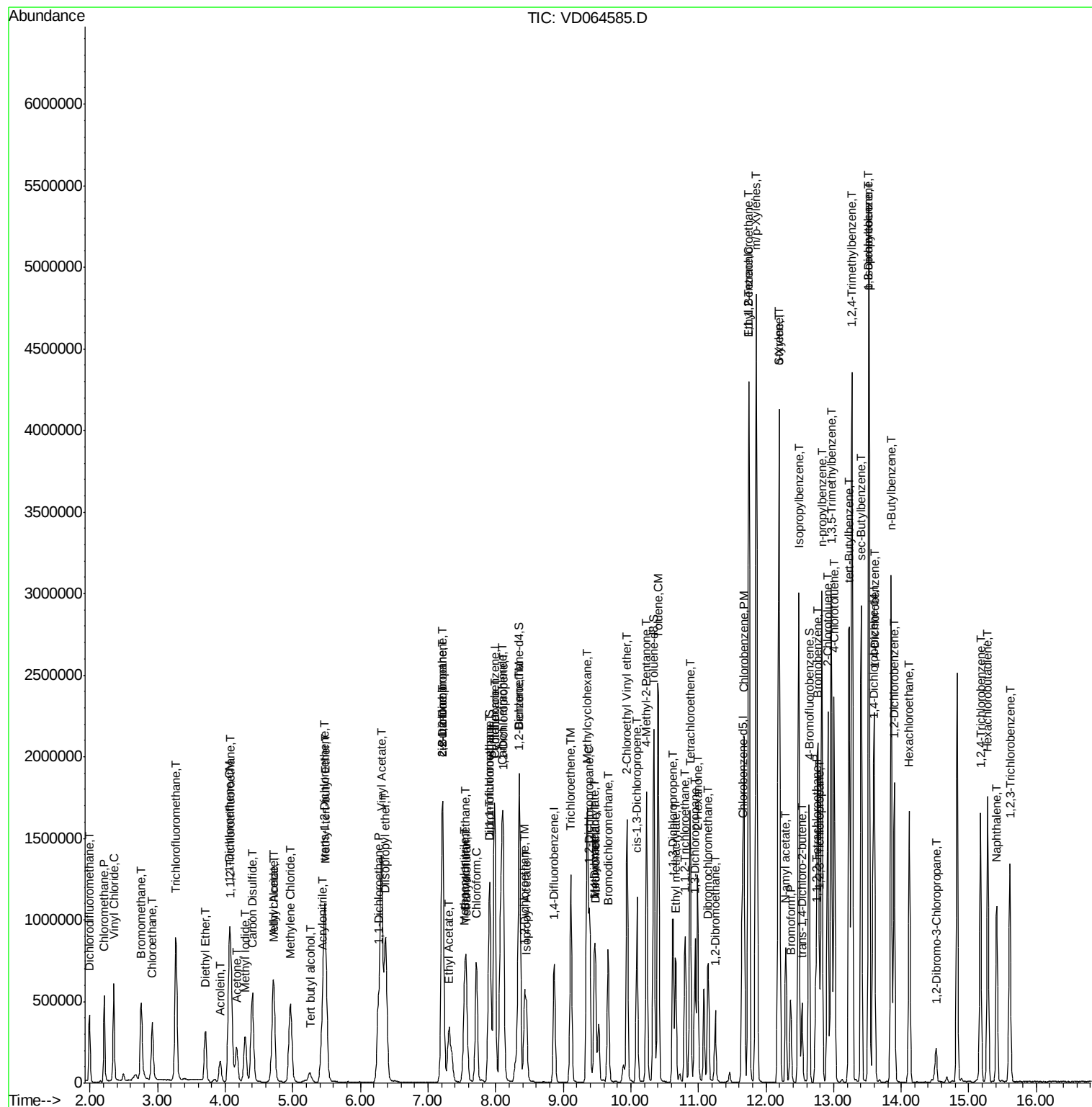
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	569673	91.037	ug/l	99
94) Hexachlorobutadiene	15.28	225	359620	91.050	ug/l	98
95) Naphthalene	15.41	128	958979	98.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	492219	92.130	ug/l	100

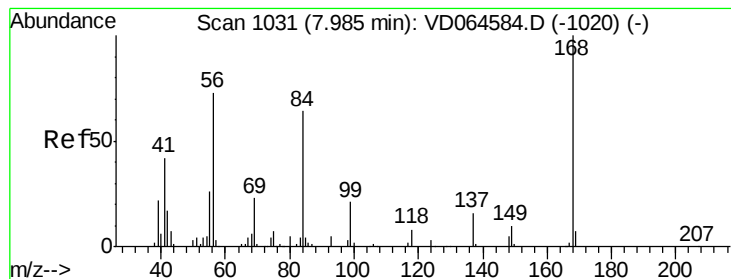
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

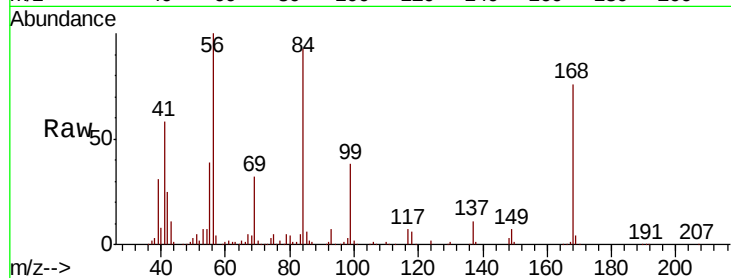
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 442779

Ion Ratio Lower Upper

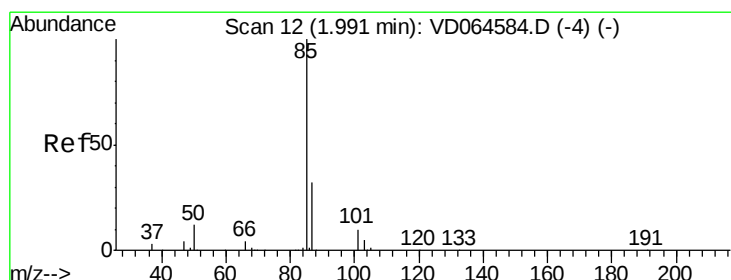
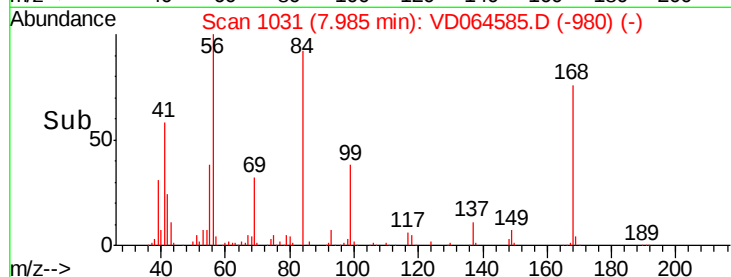
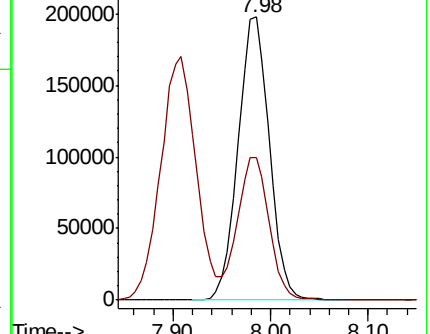
168 100

99 49.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 86.452 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064585.D

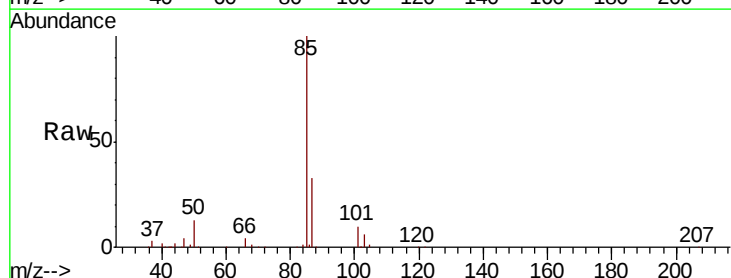
Acq: 24 Dec 2019 12:14

Tgt Ion: 85 Resp: 314248

Ion Ratio Lower Upper

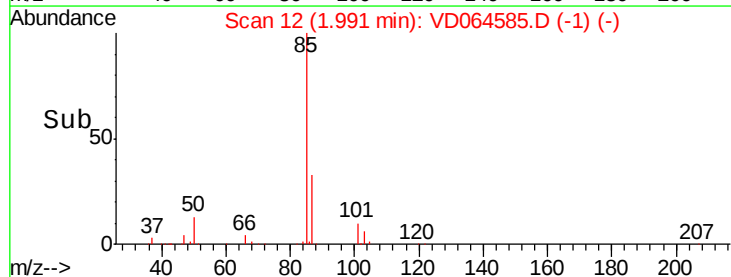
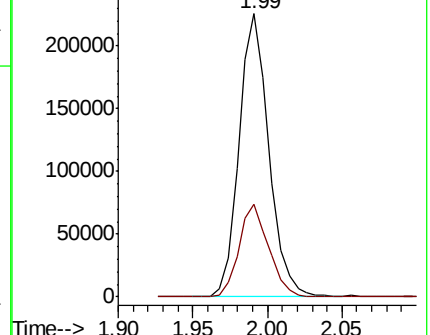
85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 82.434 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

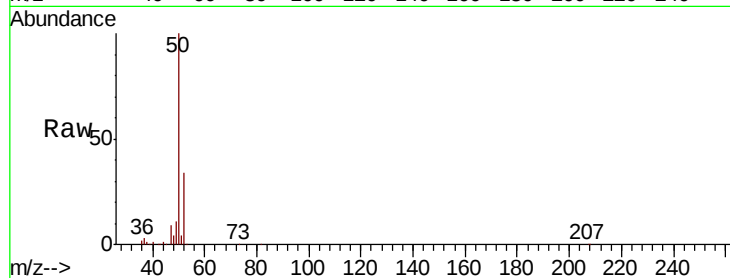
ClientSampleId :

Tot Ion: 50 Resp: 423119

Ion Ratio Lower Upper

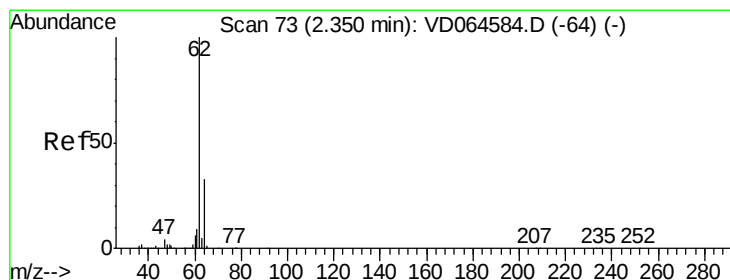
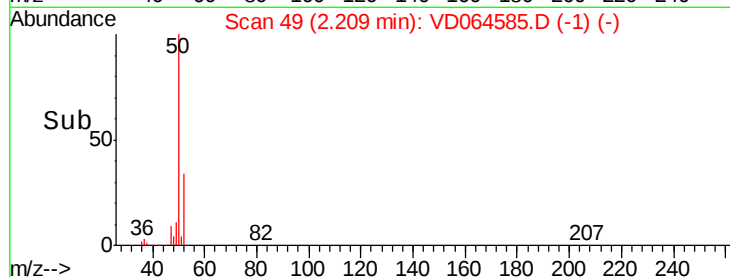
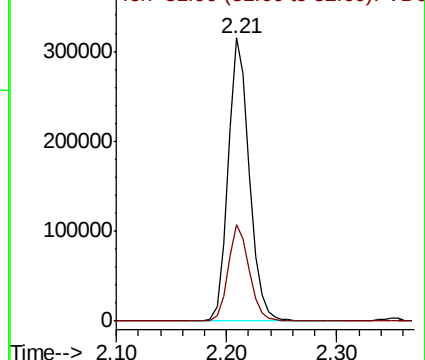
50 100

52 34.1 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: 87.277 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064585.D

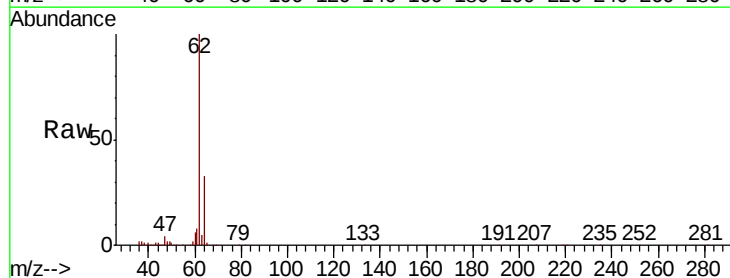
Acq: 24 Dec 2019 12:14

Tgt Ion: 62 Resp: 537728

Ion Ratio Lower Upper

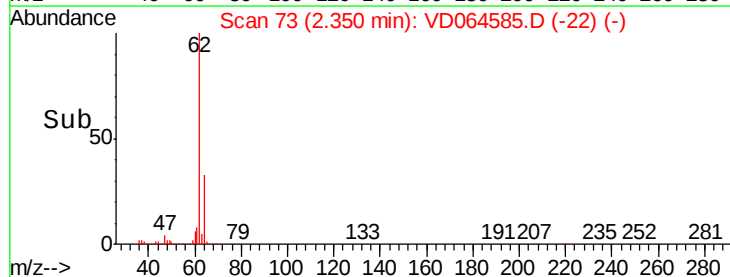
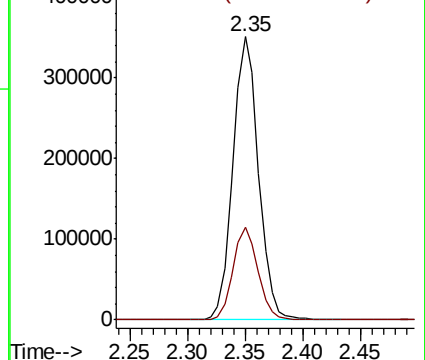
62 100

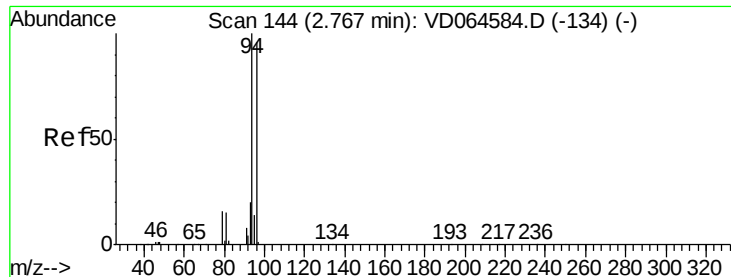
64 32.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 85.303 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

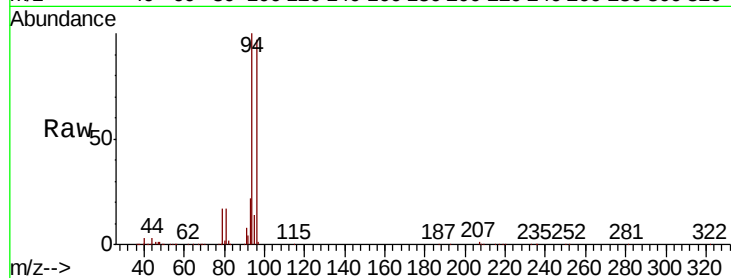
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 380356

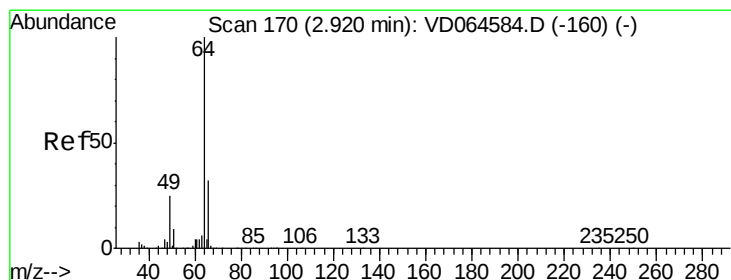
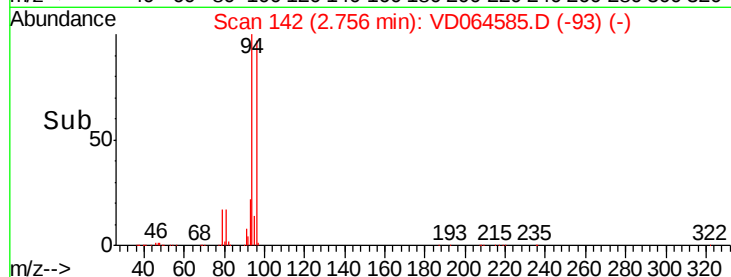
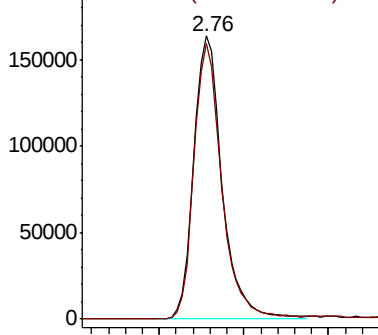
Ion Ratio Lower Upper

94 100

96 97.3 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: 88.815 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064585.D

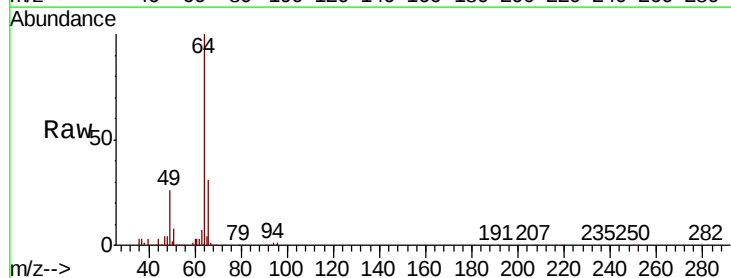
Acq: 24 Dec 2019 12:14

Tgt Ion: 64 Resp: 364964

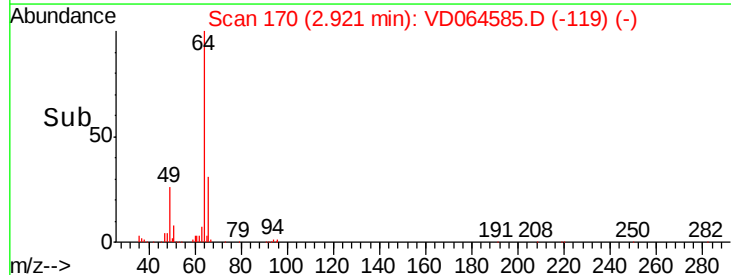
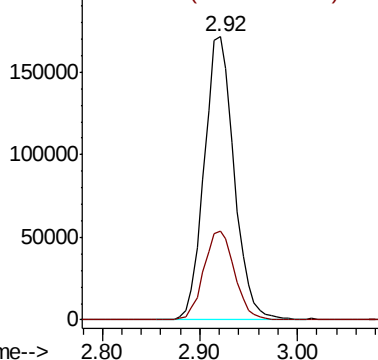
Ion Ratio Lower Upper

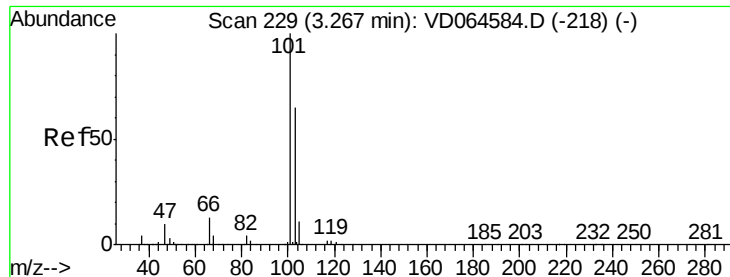
64 100

66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



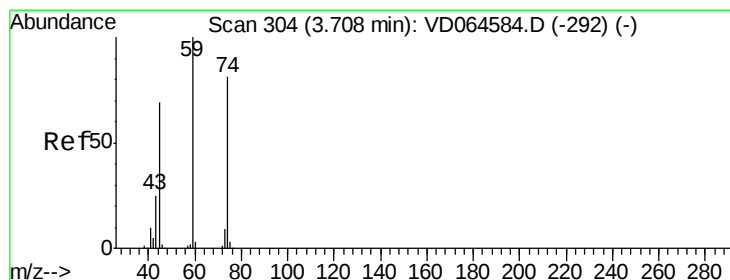
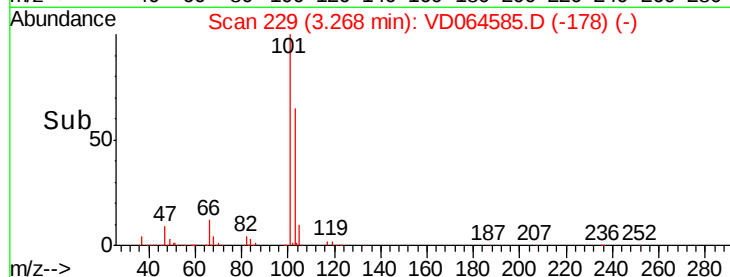
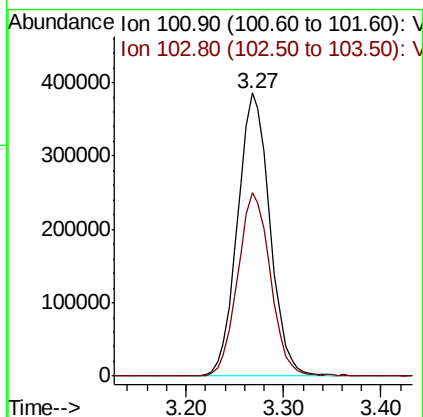
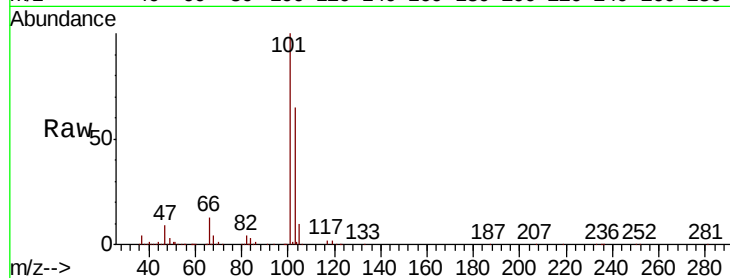


#7

Trichlorofluoromethane
Concen: 85.776 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

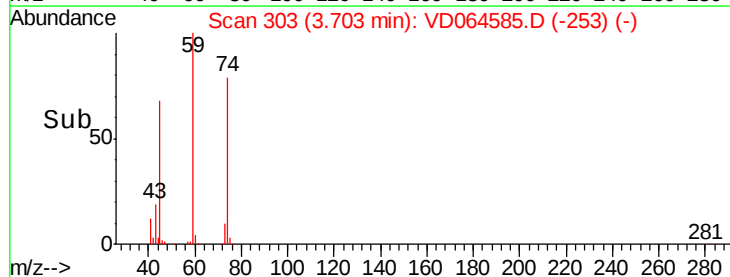
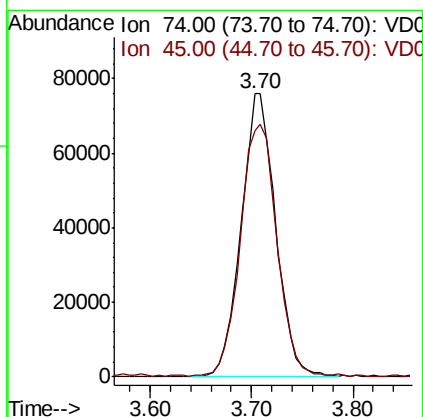
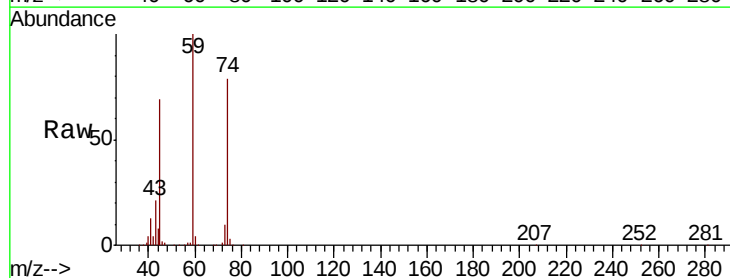
Tot Ion:101 Resp: 894796
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4



#8

Diethyl Ether
Concen: 86.539 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 74 Resp: 178974
Ion Ratio Lower Upper
74 100
45 93.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.680 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

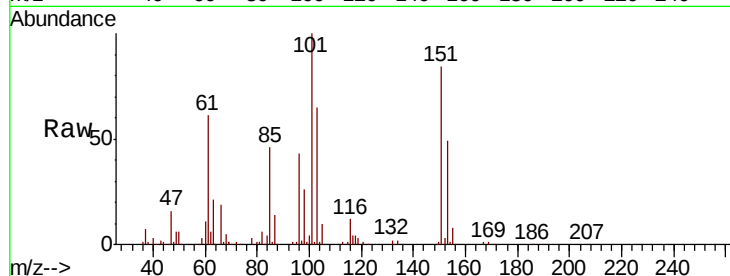
Tot Ion:101 Resp: 370055

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

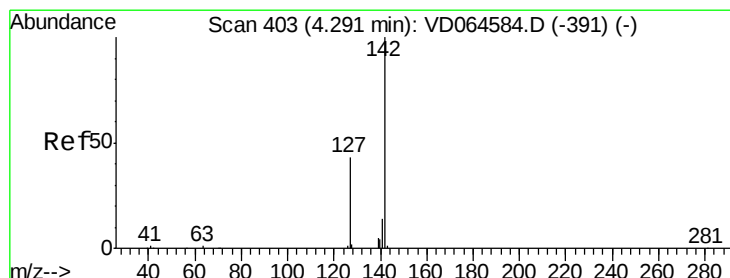
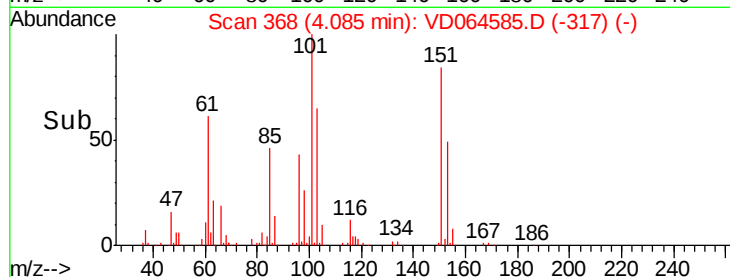
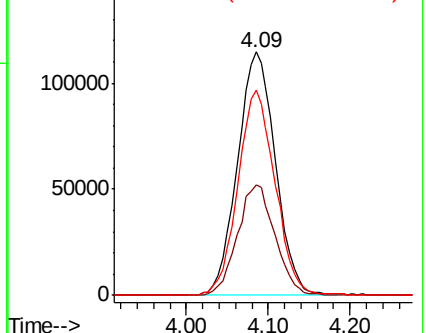
151 82.5 66.2 99.4



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: 113.293 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

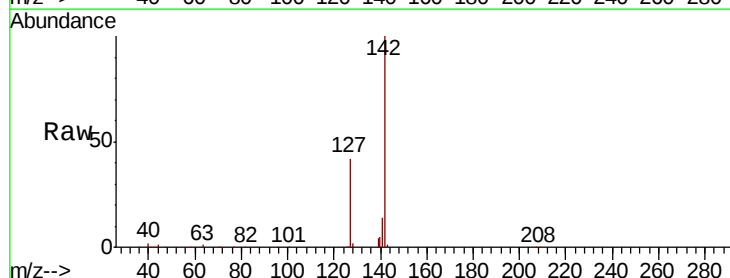
Tgt Ion:142 Resp: 477591

Ion Ratio Lower Upper

142 100

127 43.9 36.2 54.4

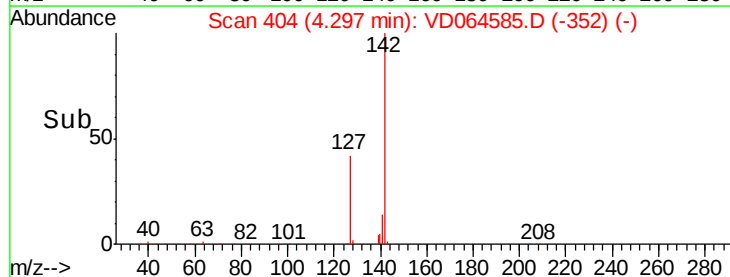
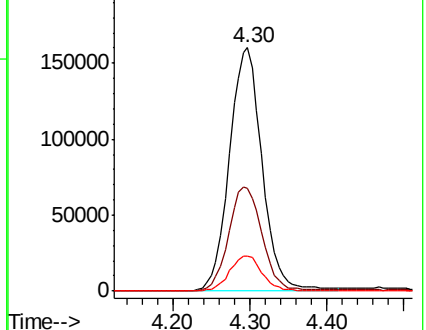
141 14.4 11.8 17.8

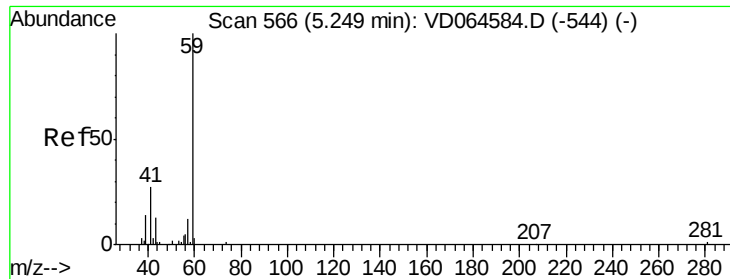


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

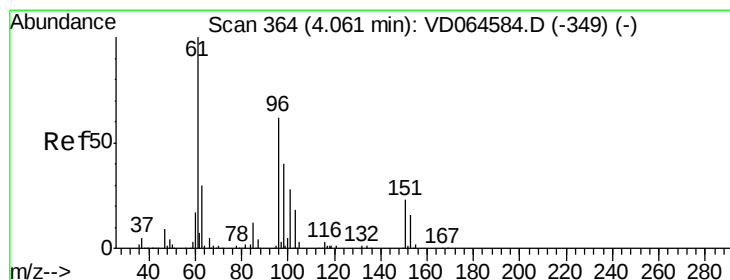
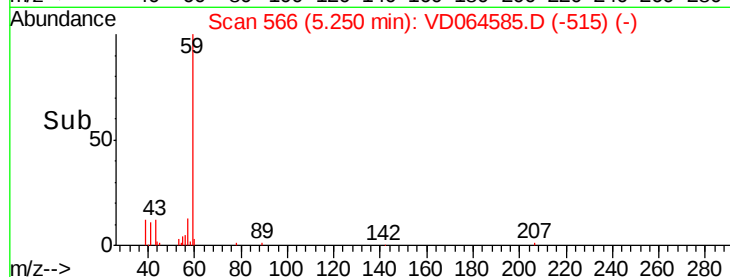
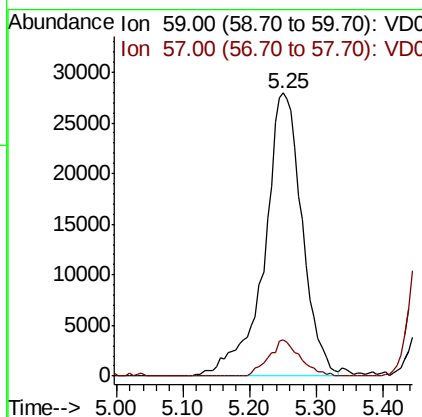
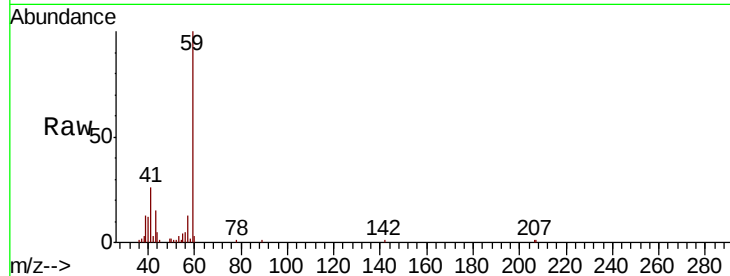




#11
Tert butyl alcohol
Concen: 695.243 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

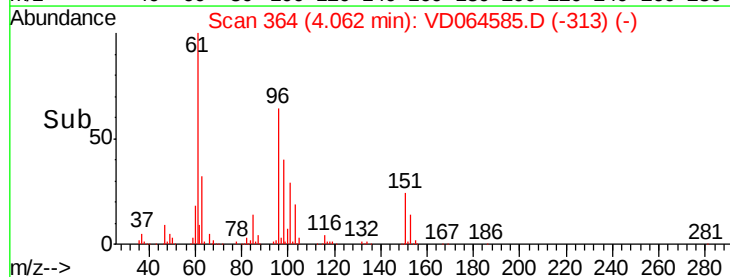
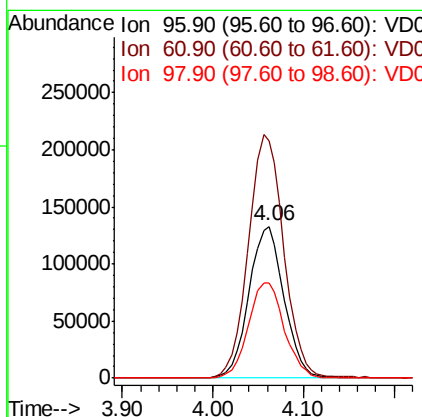
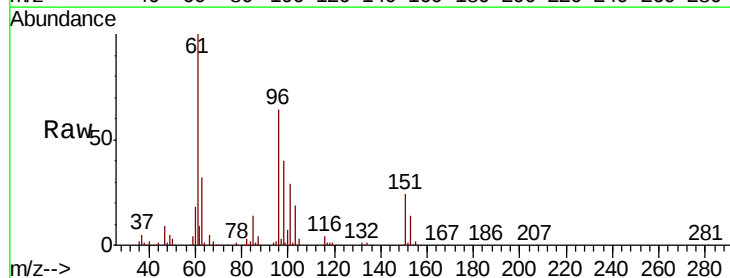
Instrument :
MSVOA_D
ClientSampleId :

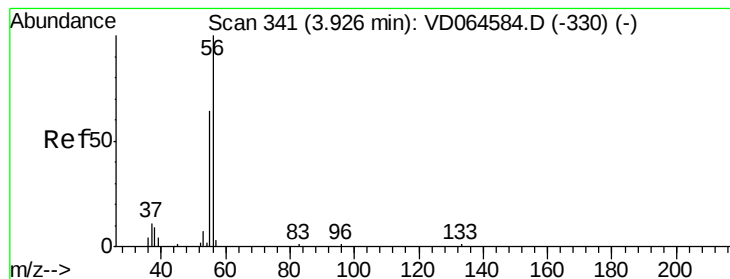
Tot Ion: 59 Resp: 110436
Ion Ratio Lower Upper
59 100
57 10.7 9.3 13.9



#12
1,1-Dichloroethene
Concen: 87.177 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 96 Resp: 356467
Ion Ratio Lower Upper
96 100
61 156.6 129.4 194.0
98 62.7 51.4 77.0





#13

Acrolein

Concen: 484.197 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

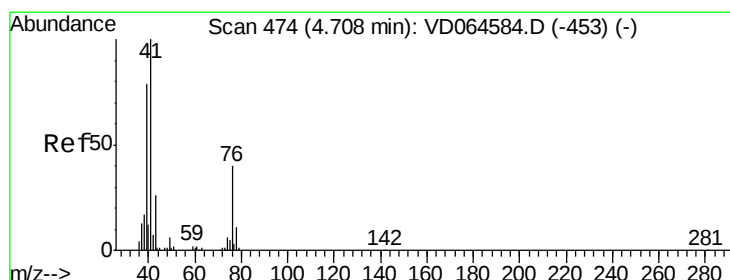
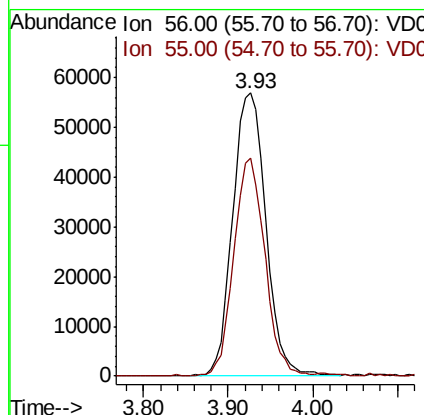
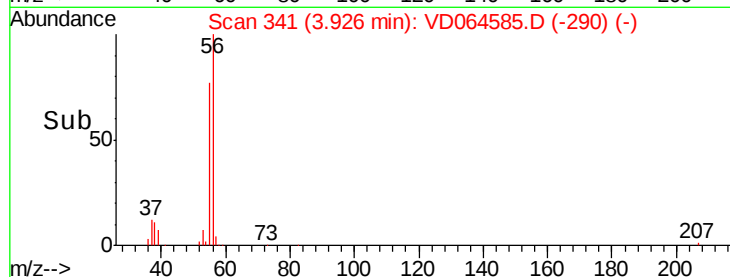
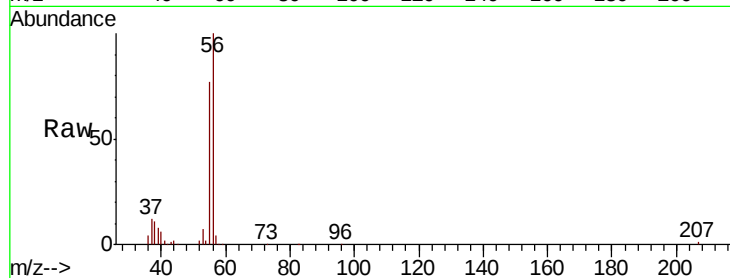
ClientSampleId :

Tot Ion: 56 Resp: 154553

Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1



#14

Allyl chloride

Concen: 90.042 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

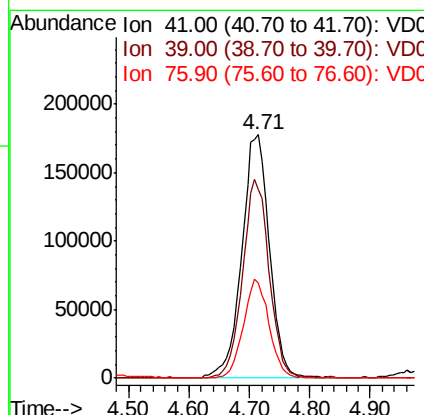
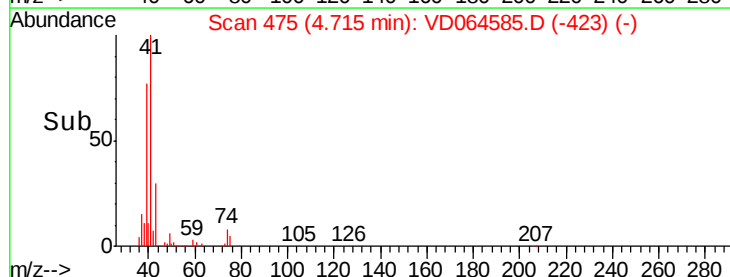
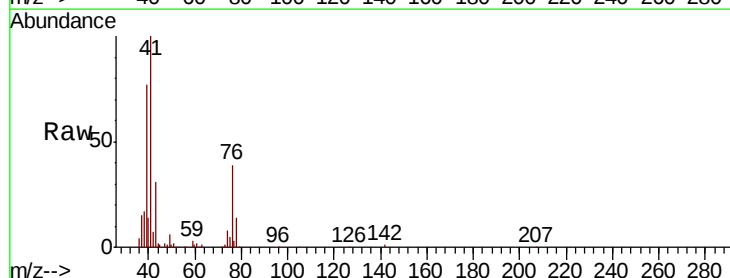
Tgt Ion: 41 Resp: 566275

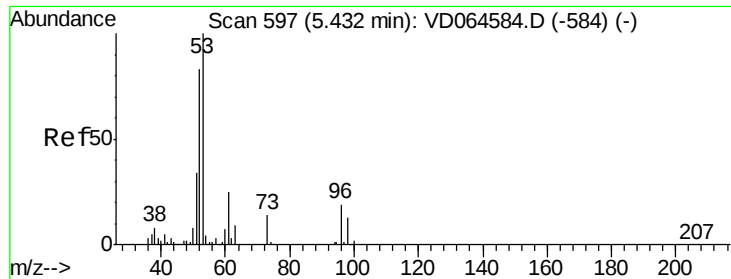
Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 454.820 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

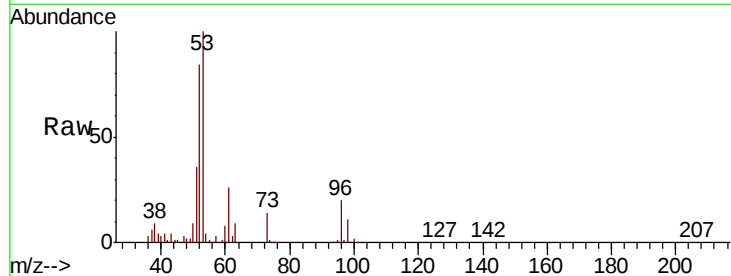
Tot Ion: 53 Resp: 384426

Ion Ratio Lower Upper

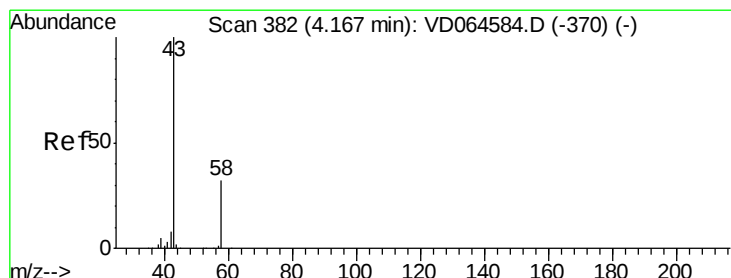
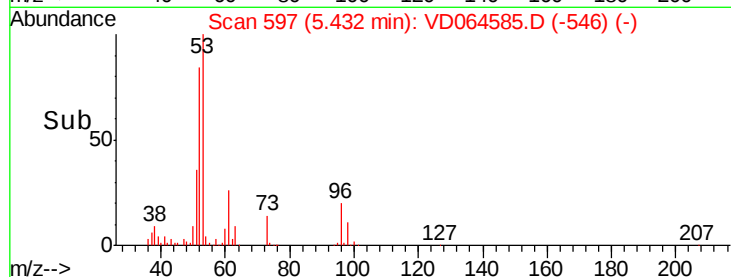
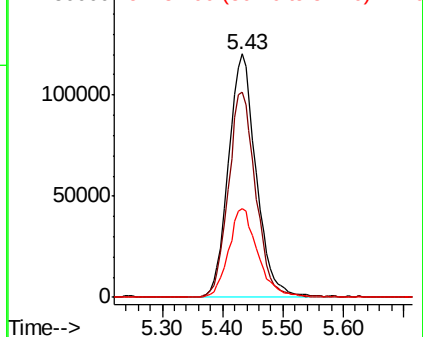
53 100

52 82.7 66.2 99.2

51 38.2 30.1 45.1



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



#16

Acetone

Concen: 426.926 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064585.D

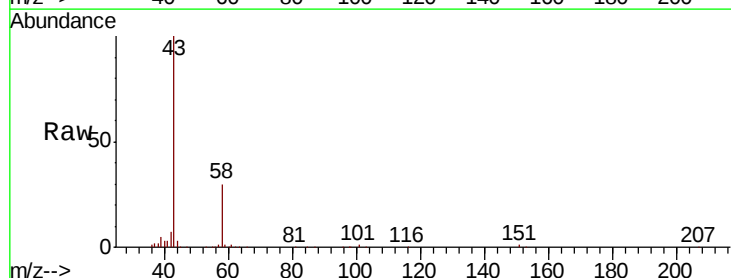
Acq: 24 Dec 2019 12:14

Tgt Ion: 43 Resp: 368184

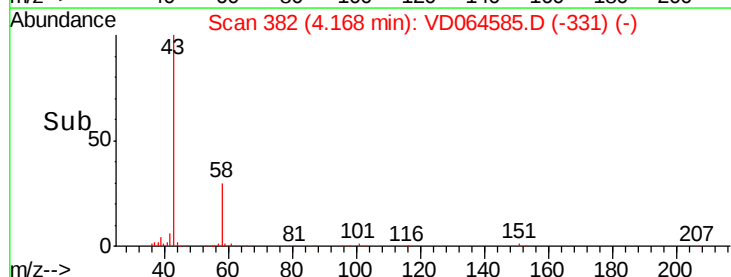
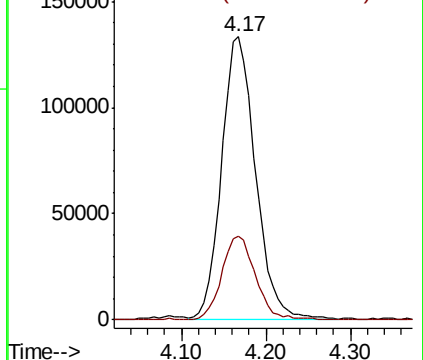
Ion Ratio Lower Upper

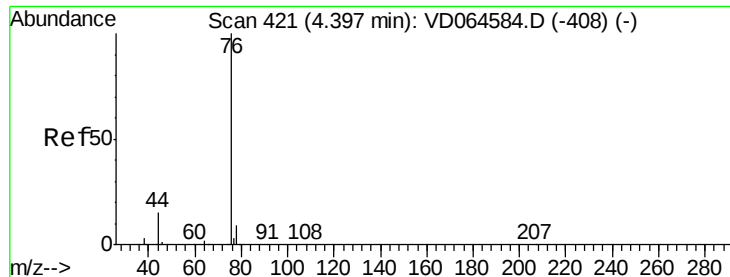
43 100

58 29.6 25.8 38.6



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

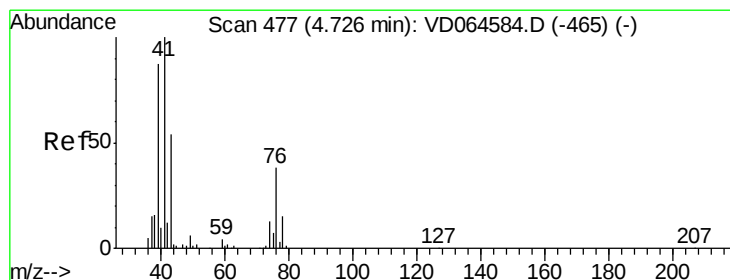
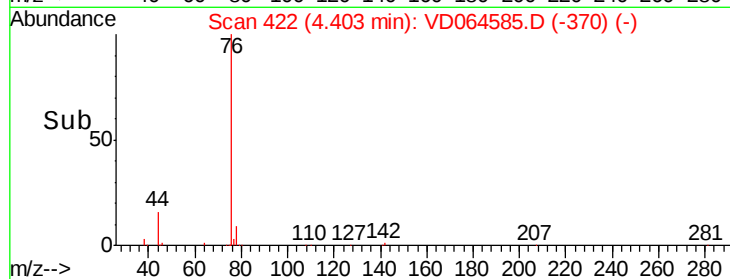
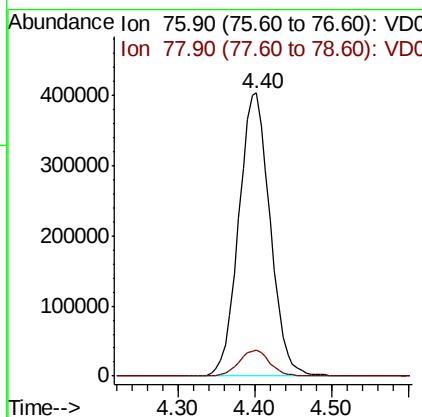
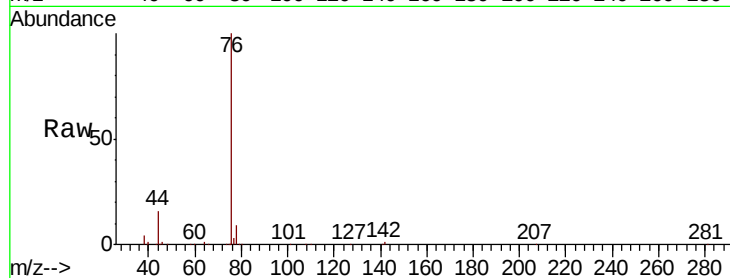




#17
Carbon Disulfide
Concen: 87.106 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

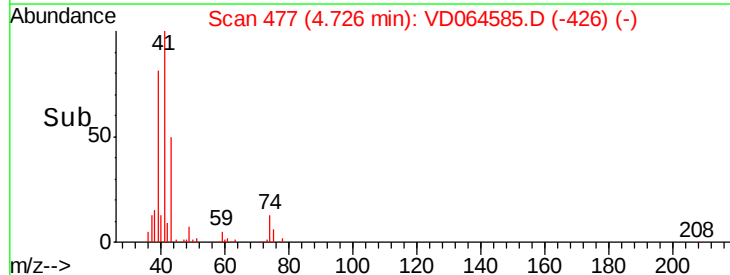
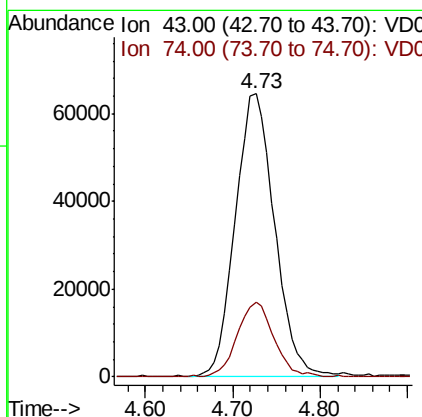
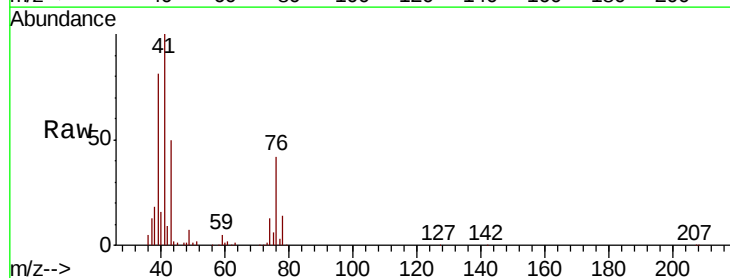
Instrument :
MSVOA_D
ClientSampleId :

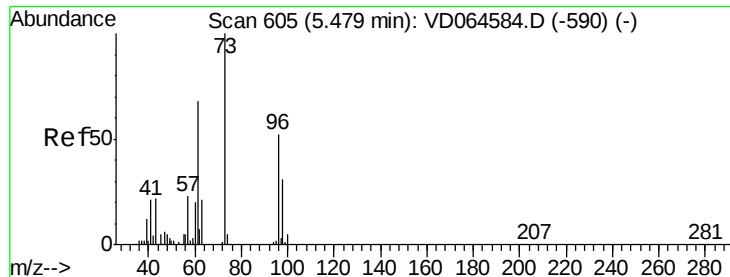
Tot Ion: 76 Resp: 1151666
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 85.628 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 43 Resp: 197558
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

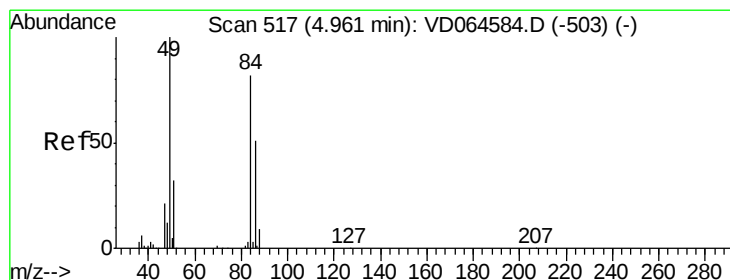
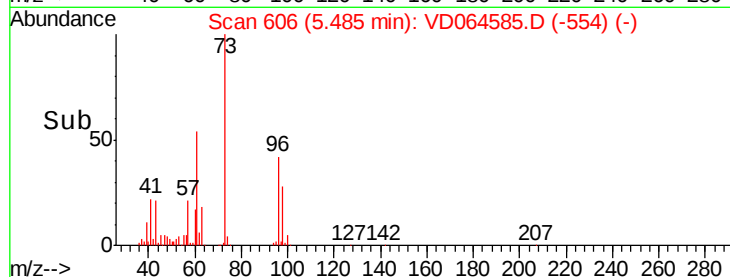
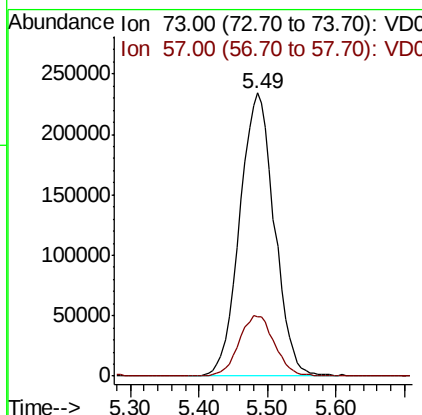
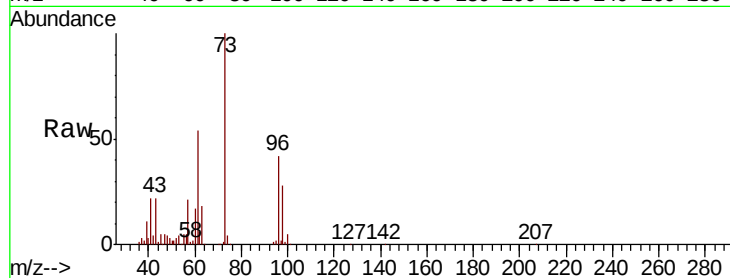




#19
Methyl tert-butyl Ether
Concen: 92.913 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

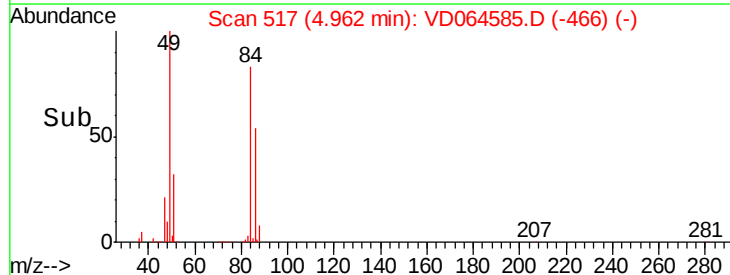
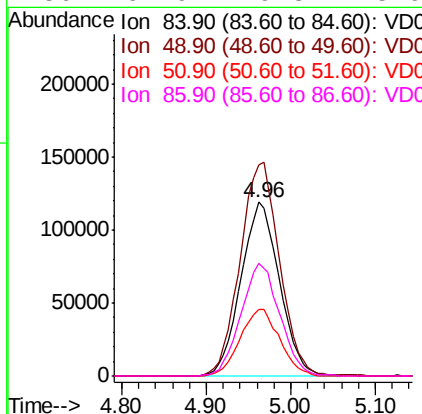
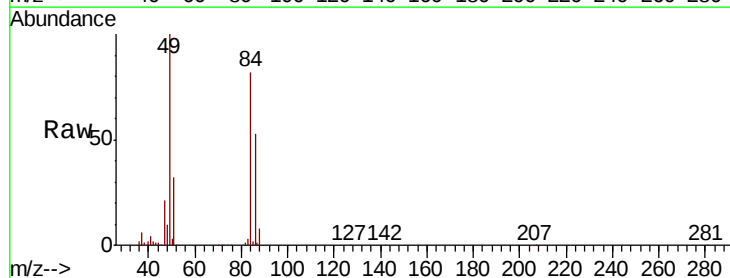
Instrument :
MSVOA_D
ClientSampleId :

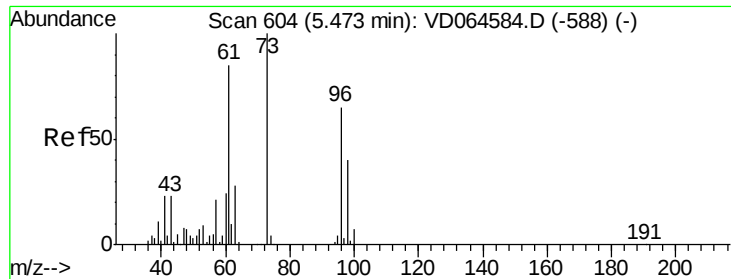
Tot Ion: 73 Resp: 823851
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 74.119 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 84 Resp: 377546
Ion Ratio Lower Upper
84 100
49 121.7 97.2 145.8
51 38.5 31.4 47.0
86 64.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 89.074 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

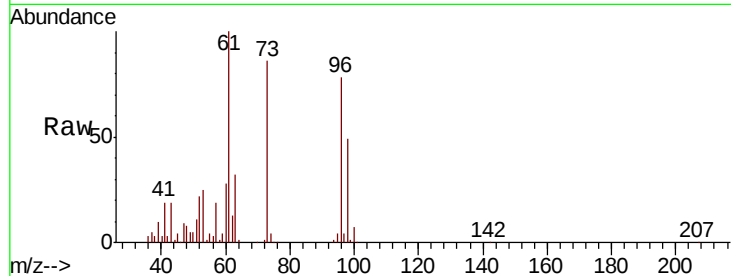
Tot Ion: 96 Resp: 410280

Ion Ratio Lower Upper

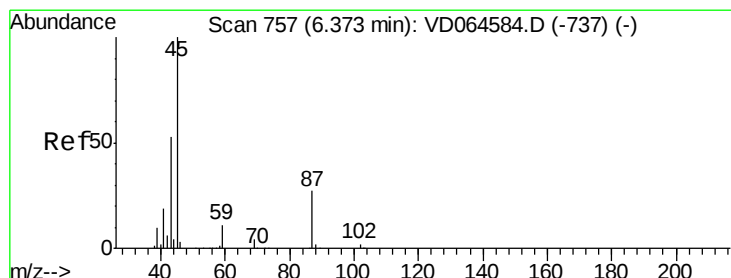
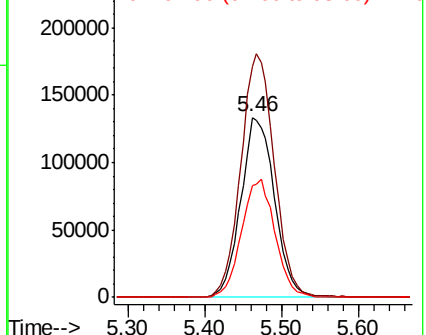
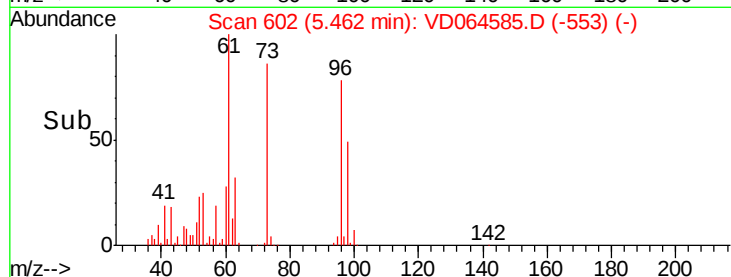
96 100

61 128.1 104.7 157.1

98 62.1 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: 91.157 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion: 45 Resp: 1138247

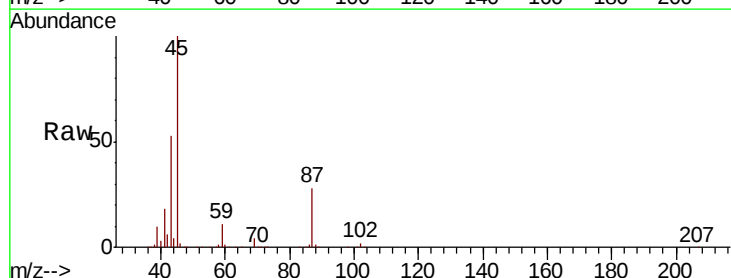
Ion Ratio Lower Upper

45 100

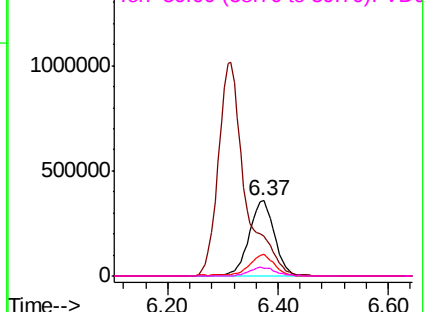
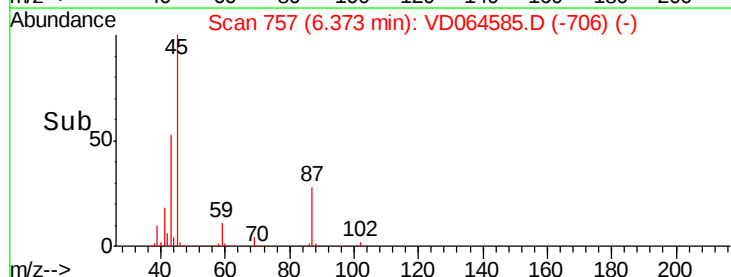
43 52.7 43.2 64.8

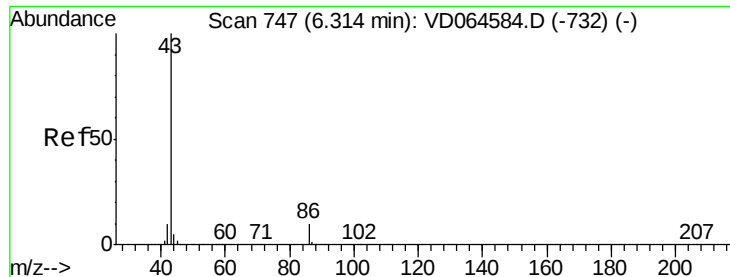
87 28.2 21.9 32.9

59 10.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 499.447 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

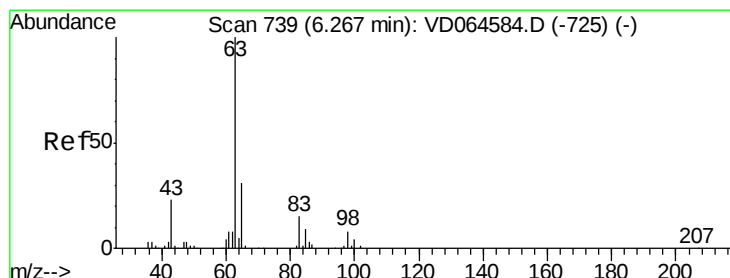
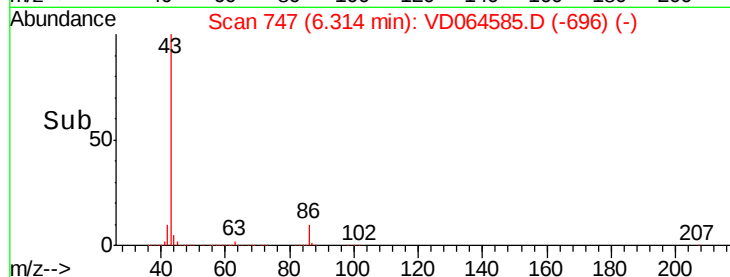
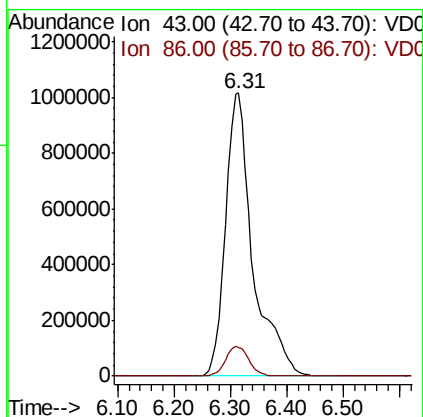
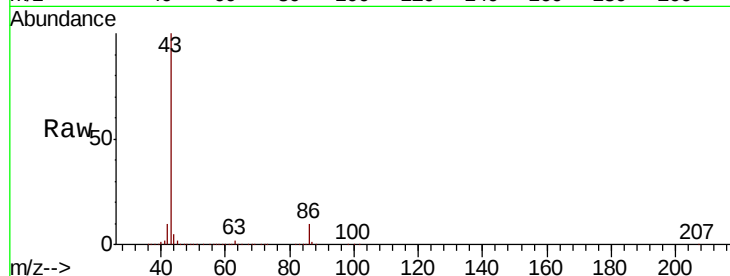
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3437304

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 89.526 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

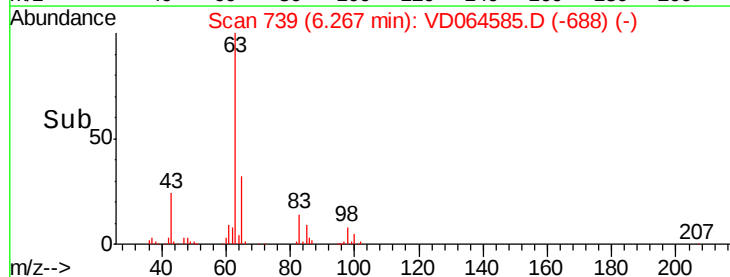
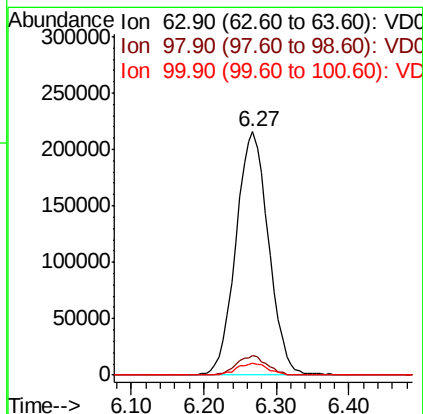
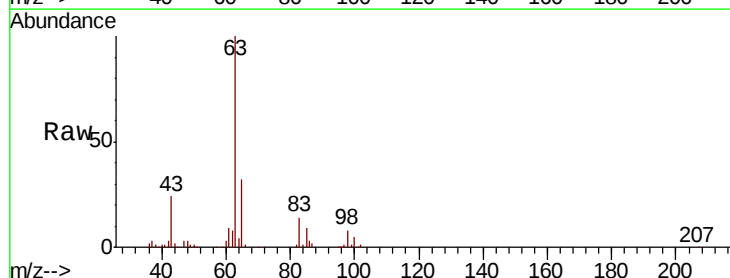
Tgt Ion: 63 Resp: 675246

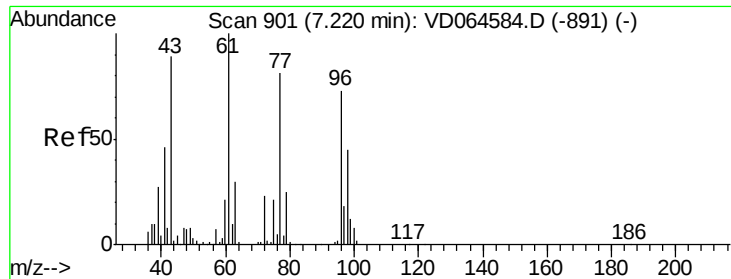
Ion Ratio Lower Upper

63 100

98 8.0 4.1 12.3

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 466.322 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

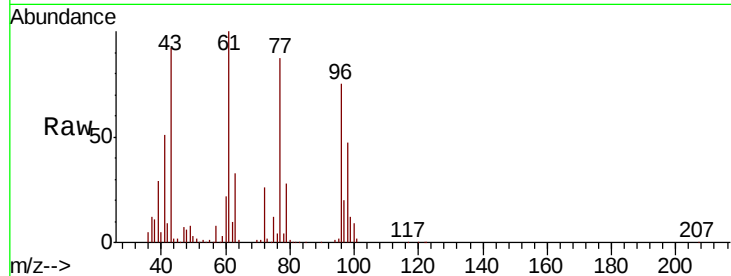
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 516288

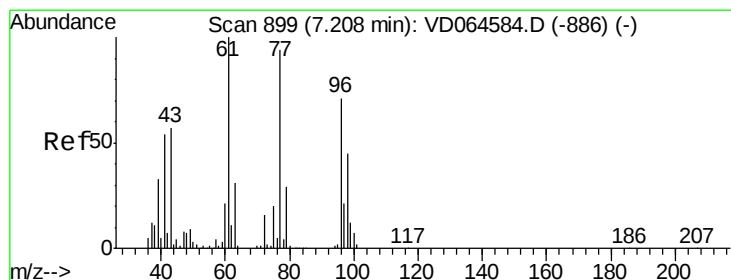
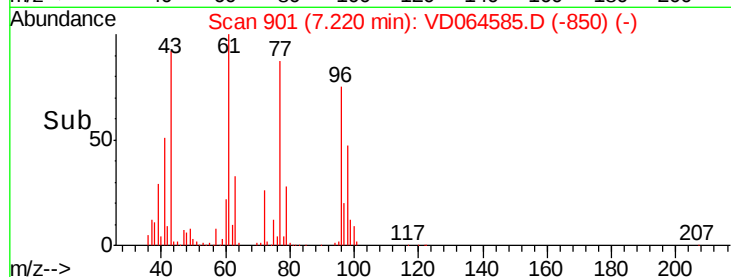
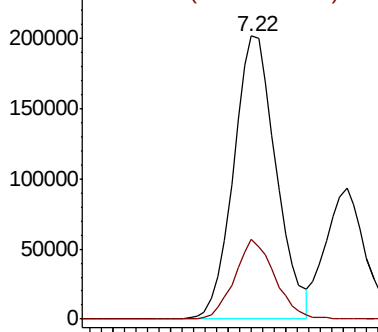
Ion Ratio Lower Upper

43 100

72 28.3 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: 87.590 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064585.D

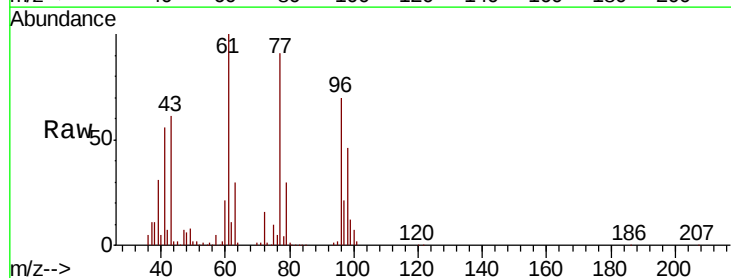
Acq: 24 Dec 2019 12:14

Tgt Ion: 77 Resp: 618418

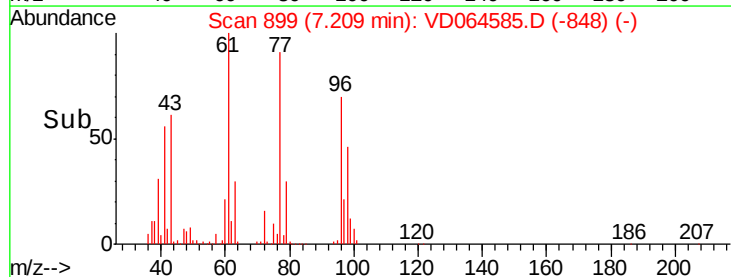
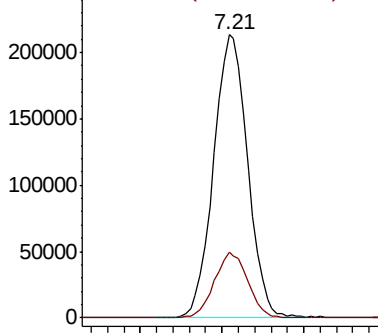
Ion Ratio Lower Upper

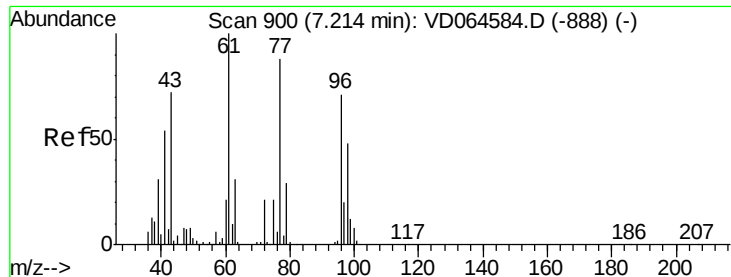
77 100

97 22.8 11.2 33.6



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



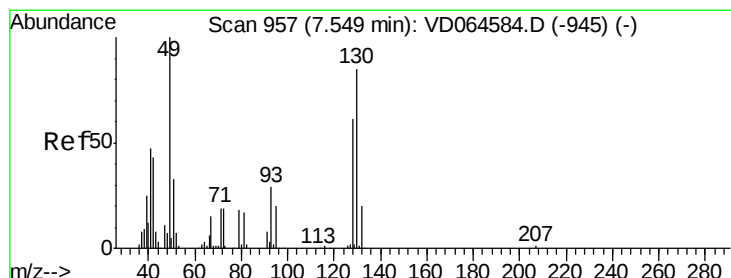
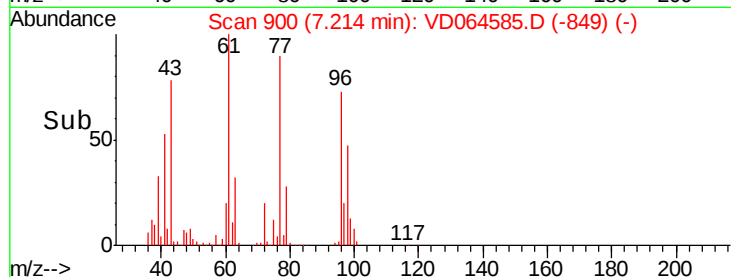
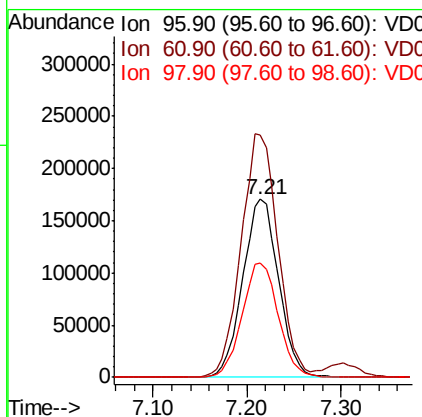
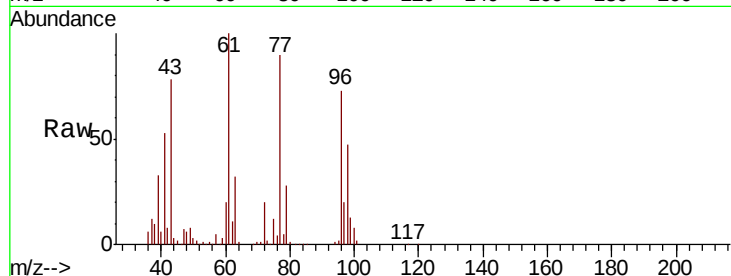


#27

cis-1,2-Dichloroethene
 Concen: 91.059 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

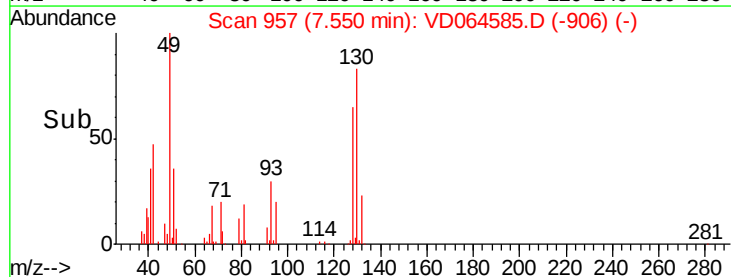
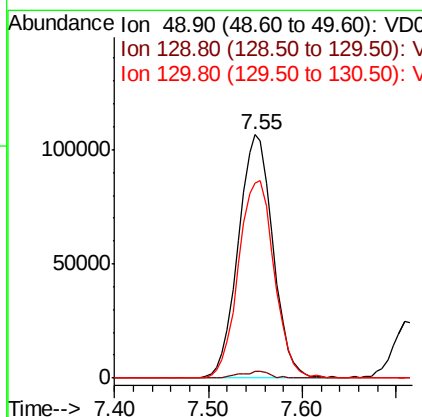
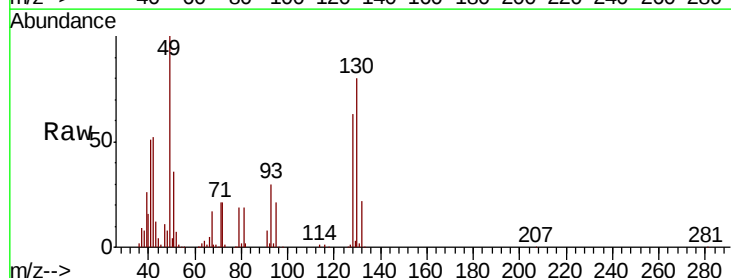
Tot Ion	96	Resp	449872
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	282.6
98	65.2	0.0	130.8

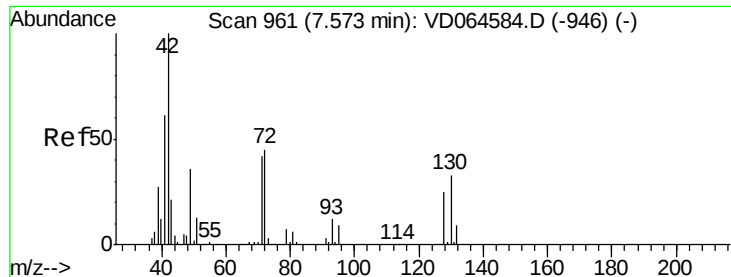


#28

Bromochloromethane
 Concen: 94.098 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	49	Resp	272463
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	83.6	65.0	97.6

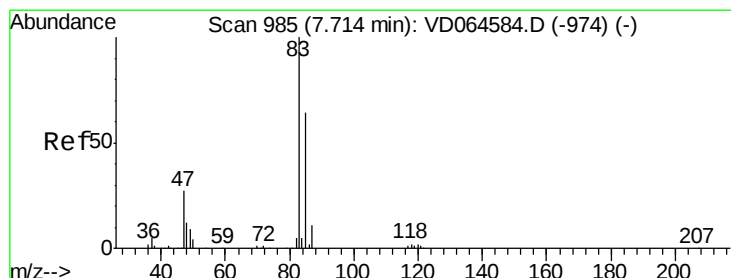
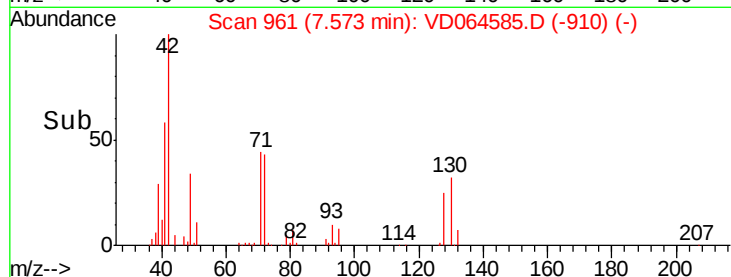
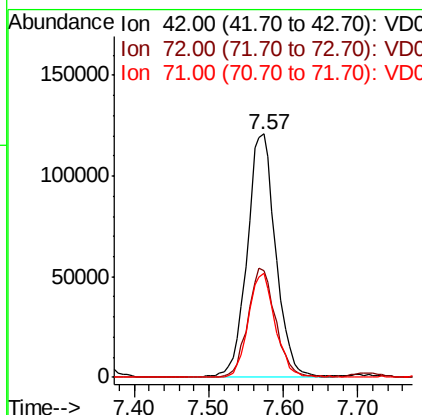
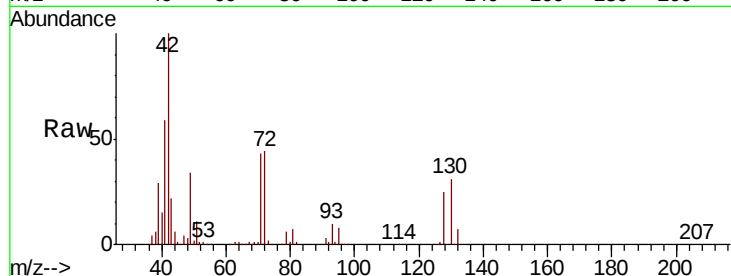




#29
Tetrahydrofuran
Concen: 469.495 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

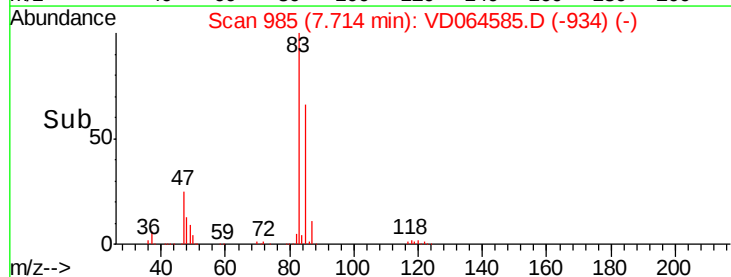
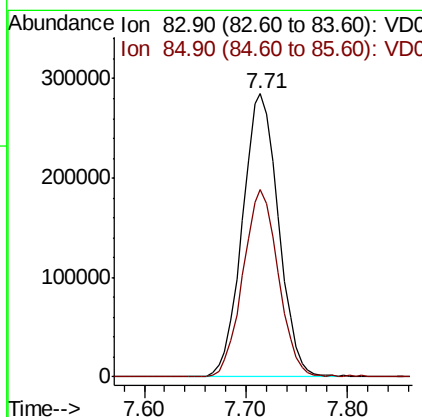
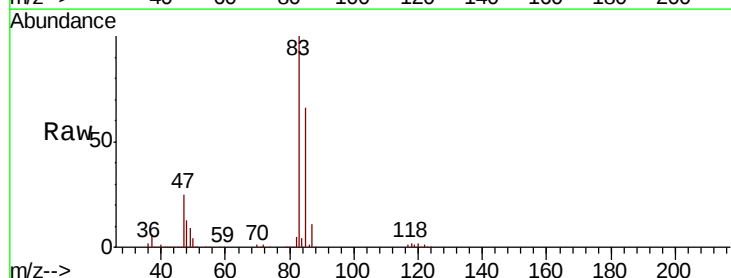
Instrument :
MSVOA_D
ClientSampleId :

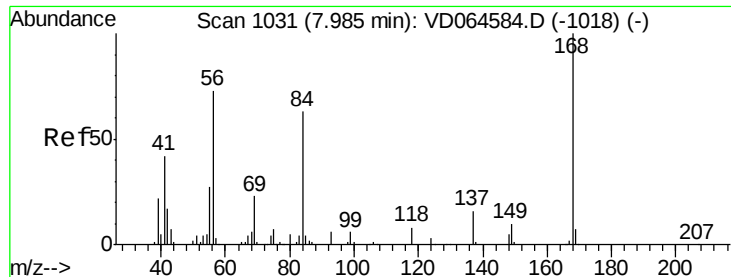
Tot Ion: 42 Resp: 322147
Ion Ratio Lower Upper
42 100
72 43.3 35.0 52.4
71 40.2 32.9 49.3



#30
Chloroform
Concen: 88.498 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 83 Resp: 702649
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7

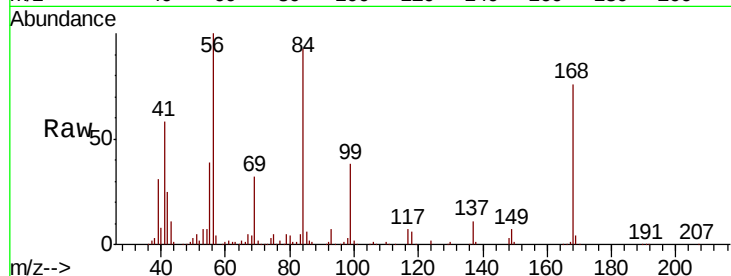




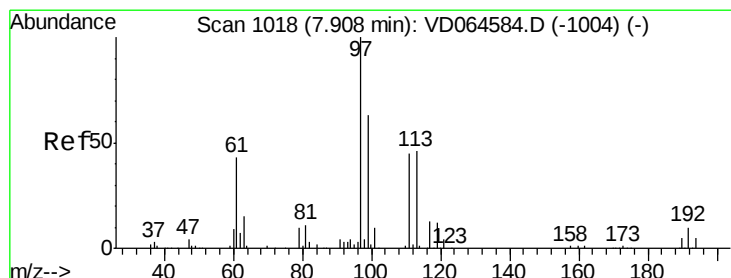
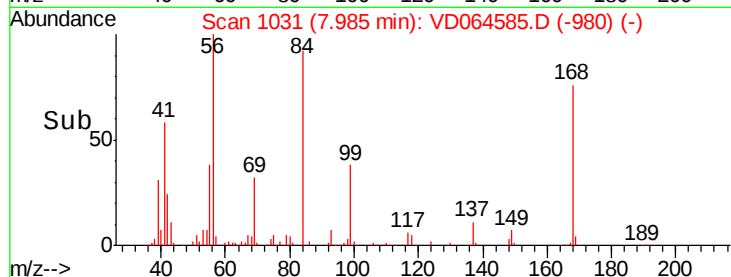
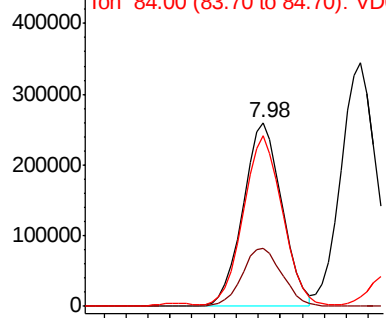
#31
Cyclohexane
Concen: 81.174 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 633652
Ion Ratio Lower Upper
56 100
69 31.6 24.7 37.1
84 91.7 69.4 104.2

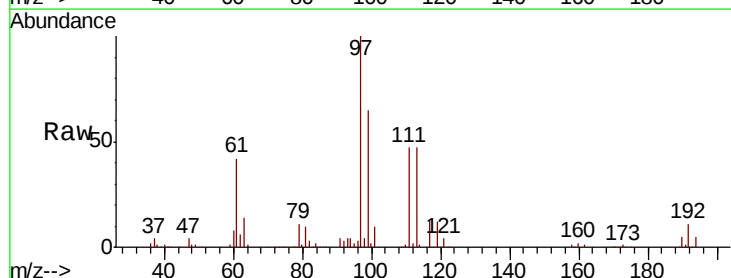


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

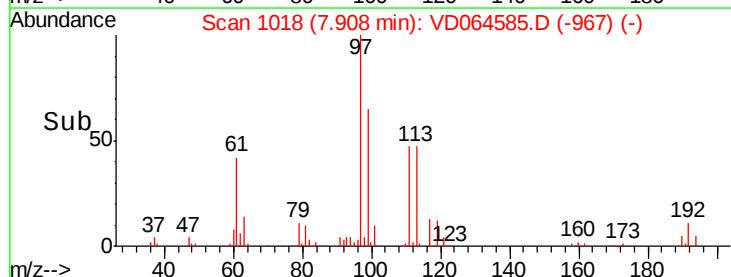
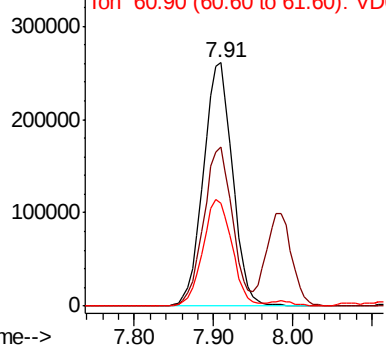


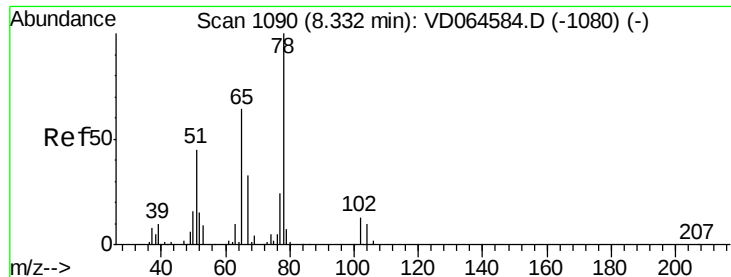
#32
1,1,1-Trichloroethane
Concen: 89.311 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 97 Resp: 664723
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 44.0 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: 95.615 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

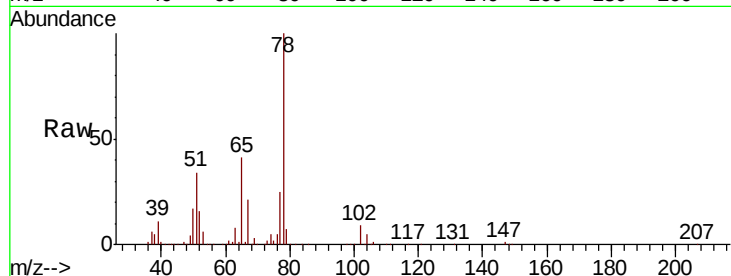
ClientSampleId :

Tot Ion: 65 Resp: 377686

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

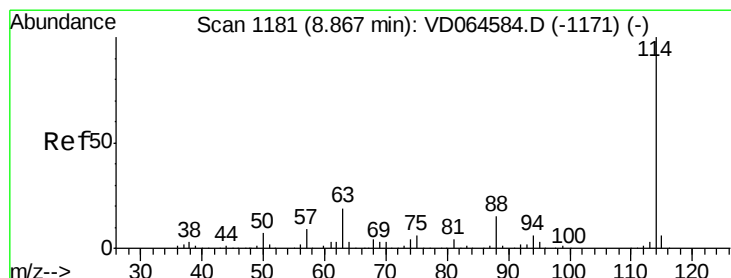
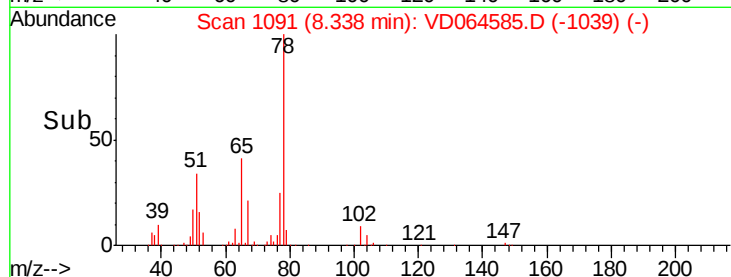
150000

100000

50000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

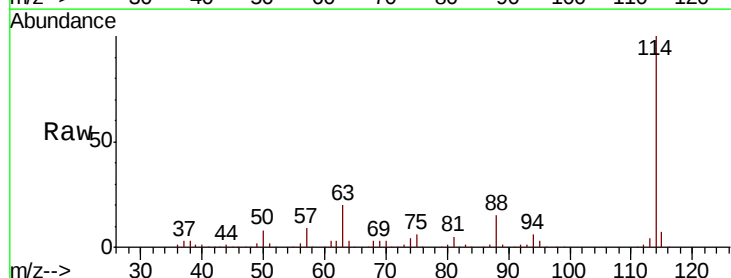
Tgt Ion: 114 Resp: 618022

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

88 15.1 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

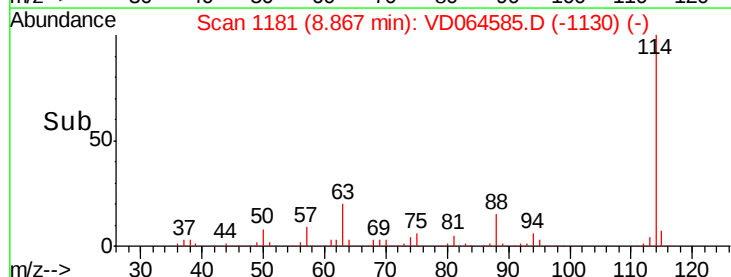
300000

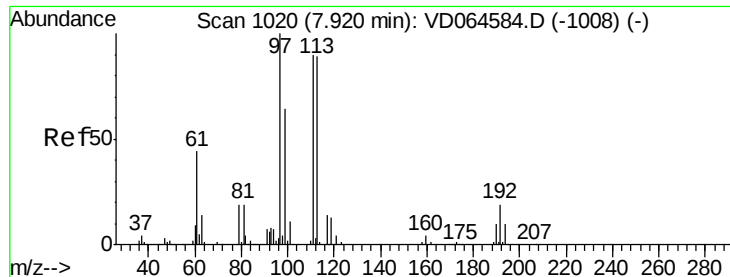
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95

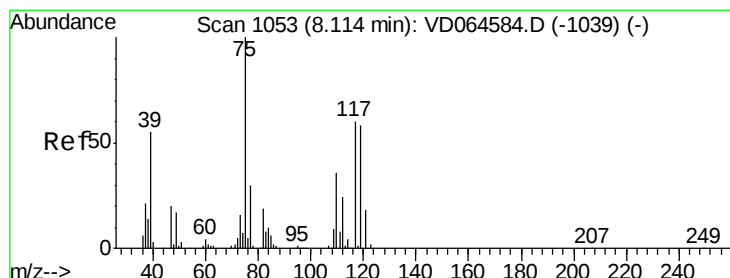
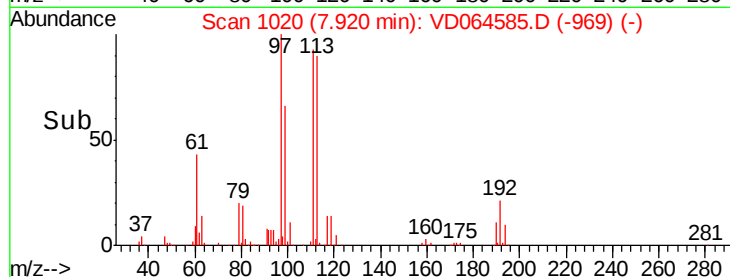
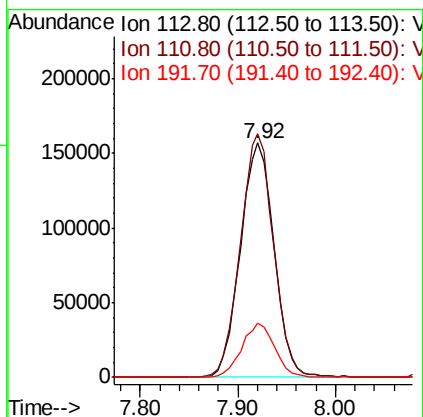
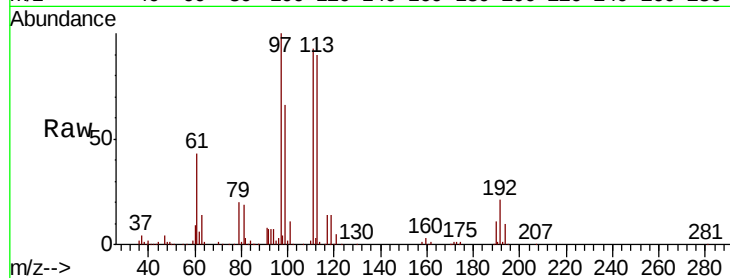




#35
Dibromofluoromethane
Concen: 97.662 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

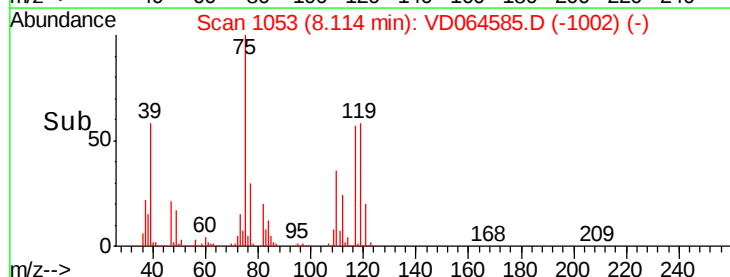
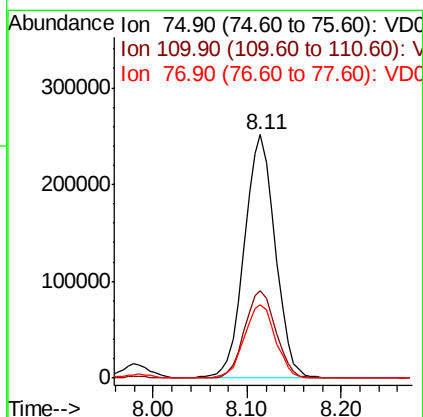
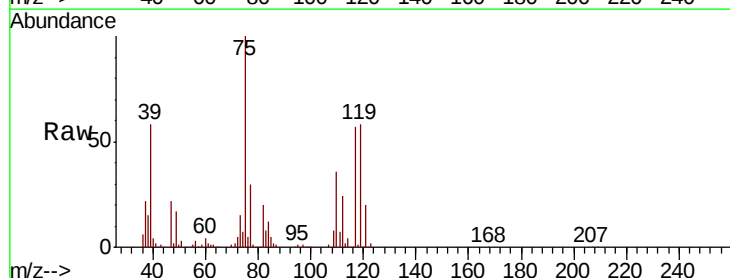
Instrument :
MSVOA_D
ClientSampleId :

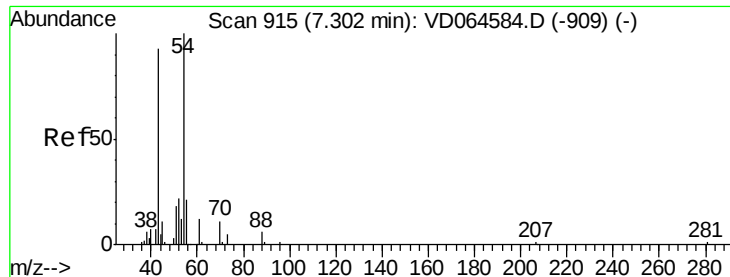
Tot Ion:113 Resp: 376208
Ion Ratio Lower Upper
113 100
111 102.7 80.6 121.0
192 22.6 17.9 26.9



#36
1,1-Dichloropropene
Concen: 92.444 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 75 Resp: 568262
Ion Ratio Lower Upper
75 100
110 36.5 18.1 54.1
77 31.1 24.2 36.4

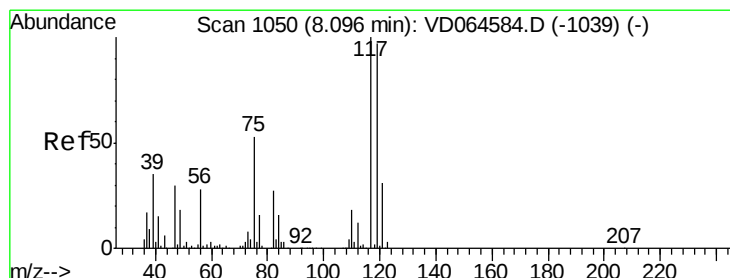
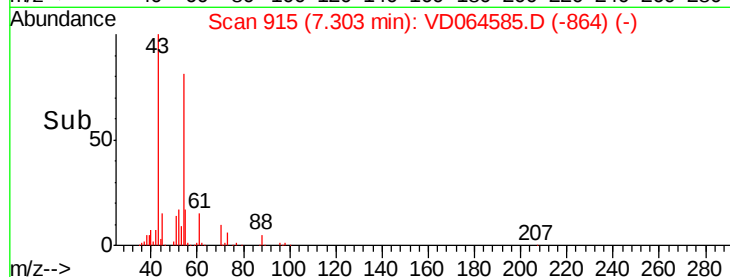
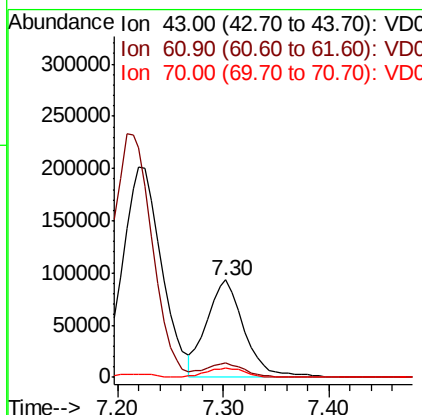
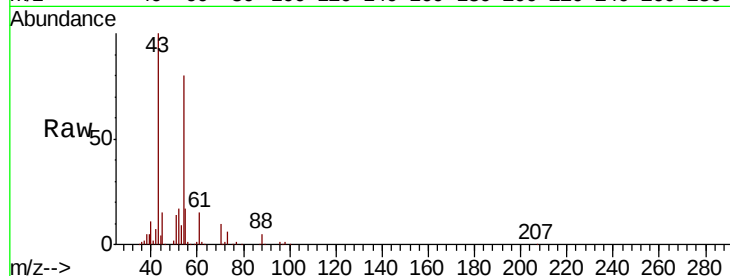




#37
Ethyl Acetate
Concen: 94.901 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

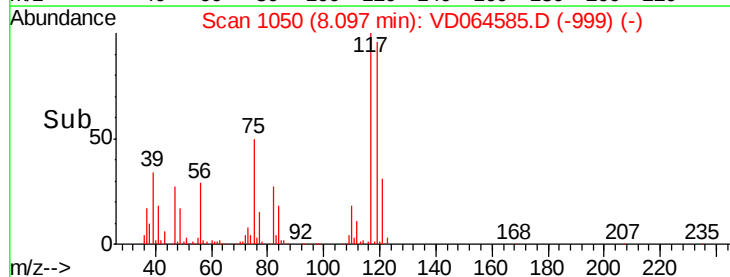
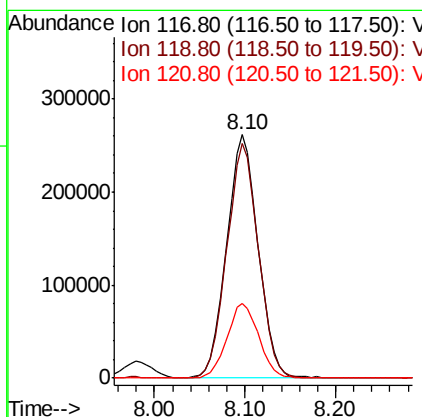
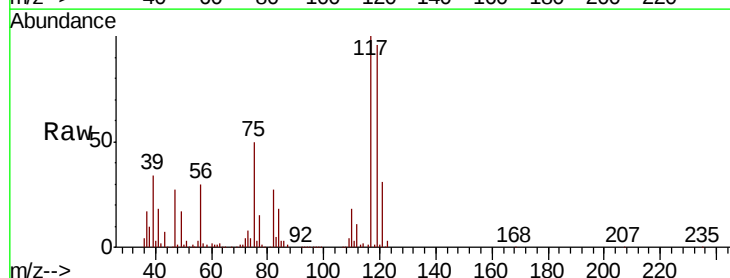
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 227542
Ion Ratio Lower Upper
43 100
61 12.8 10.3 15.5
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 97.477 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 117 Resp: 627799
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 30.8 25.0 37.6

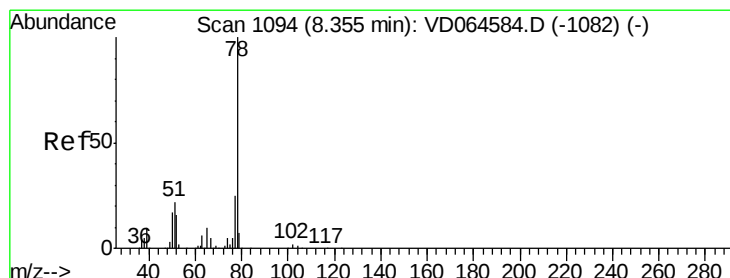
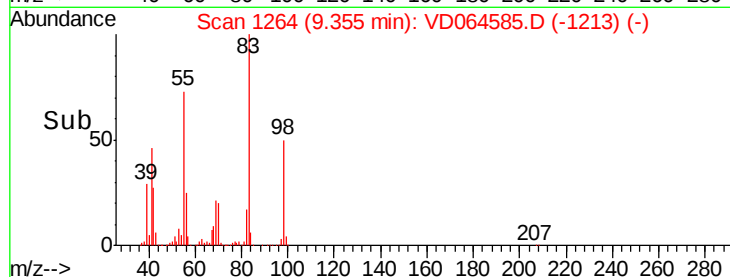
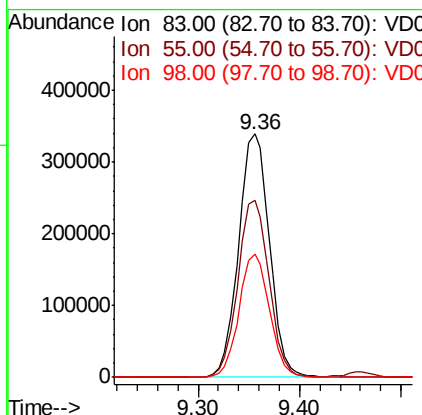
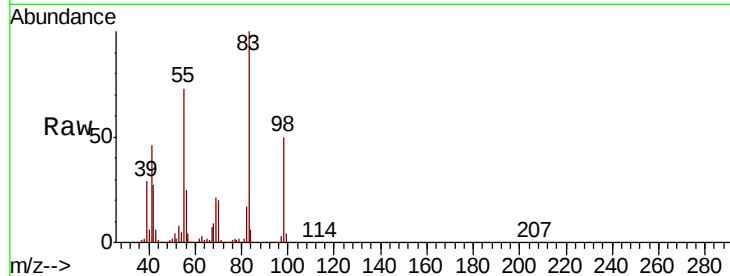




#39
Methvlcvclohexane
Concen: 97.564 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

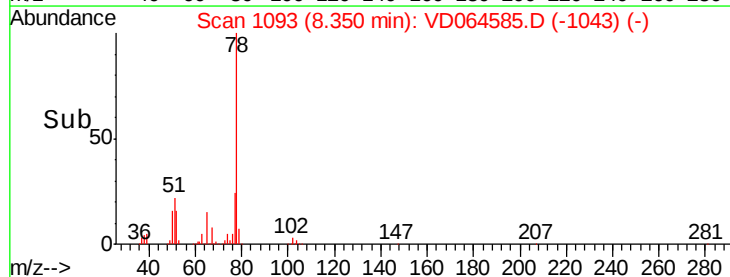
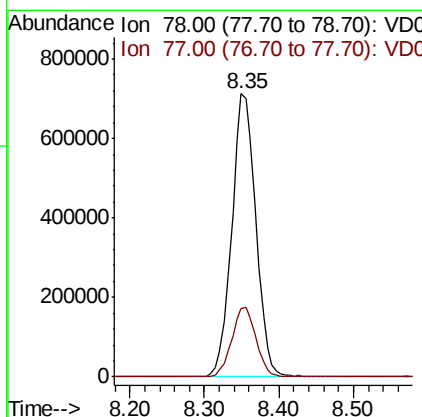
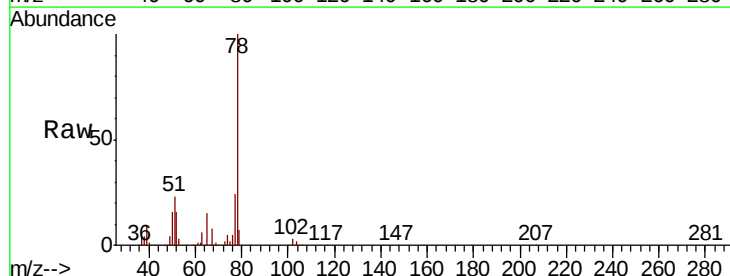
Instrument :
MSVOA_D
ClientSampleId :

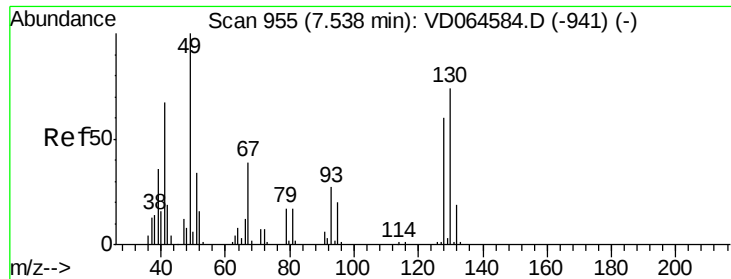
Tot Ion: 83 Resp: 715969
Ion Ratio Lower Upper
83 100
55 73.0 57.8 86.6
98 50.5 38.7 58.1



#40
Benzene
Concen: 96.709 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 78 Resp: 1597620
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9





#41

Methacrylonitrile

Concen: 90.999 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 128129

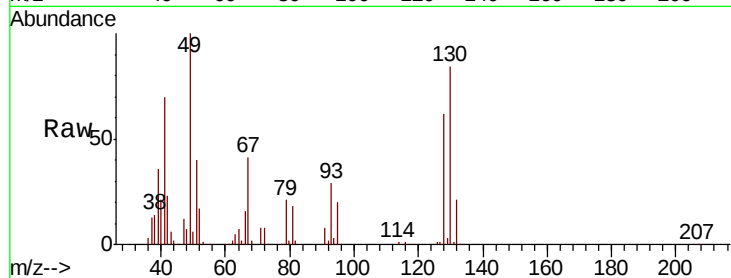
Ion Ratio Lower Upper

41 100

39 63.7 46.7 70.1

67 75.9 52.5 78.7

52 34.0 24.1 36.1

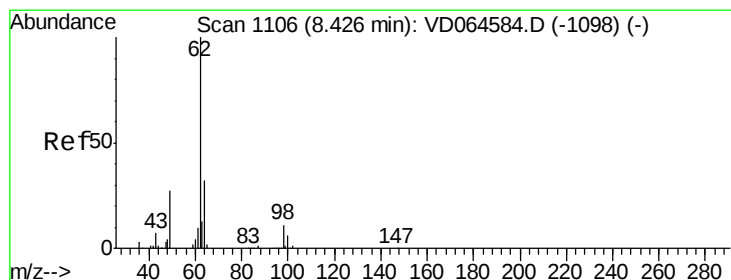
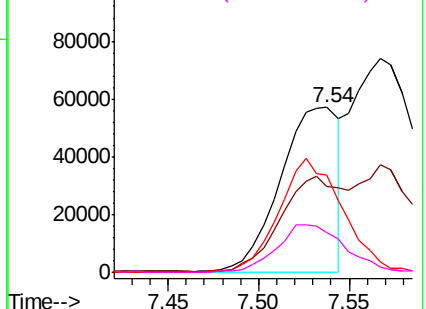
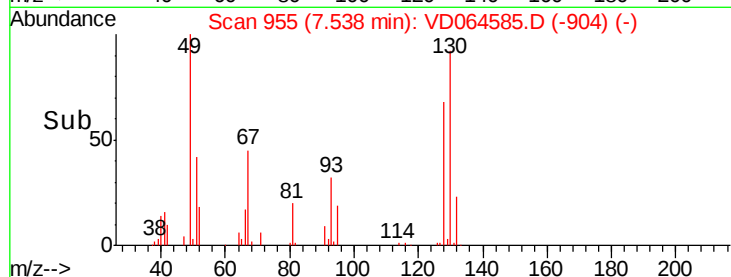


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 95.904 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064585.D

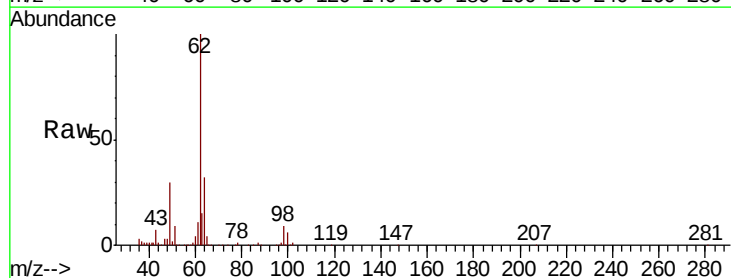
Acq: 24 Dec 2019 12:14

Tgt Ion: 62 Resp: 460870

Ion Ratio Lower Upper

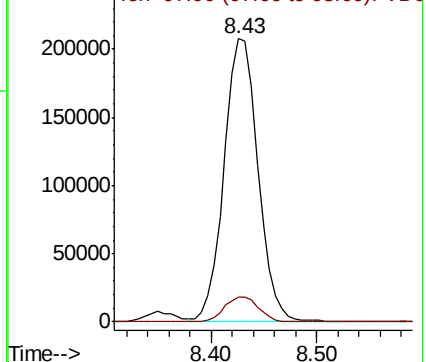
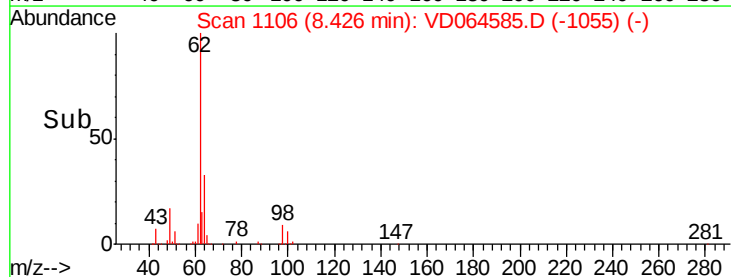
62 100

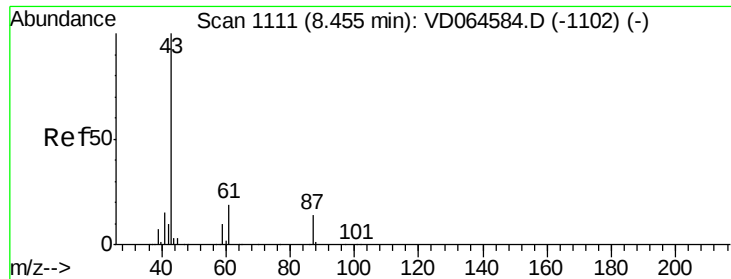
98 9.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 97.163 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

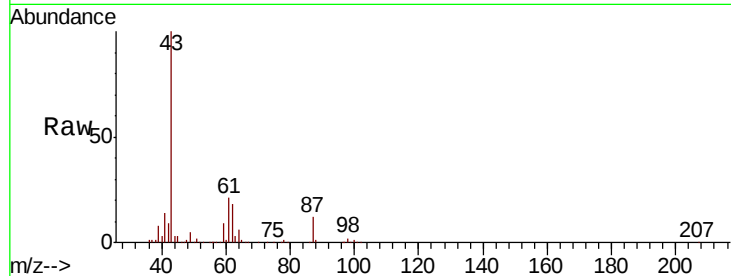
Tot Ion: 43 Resp: 461471

Ion Ratio Lower Upper

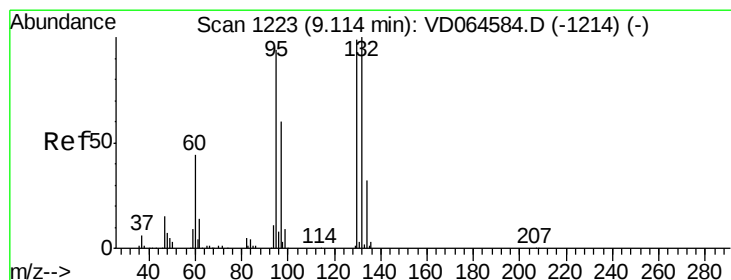
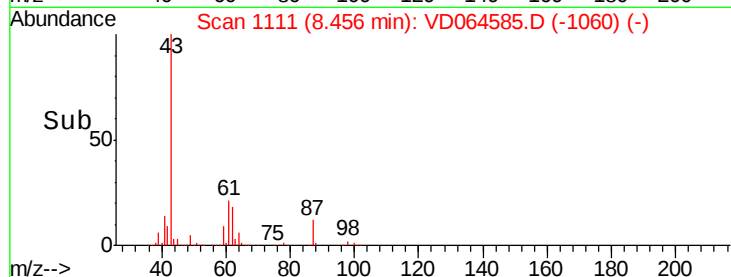
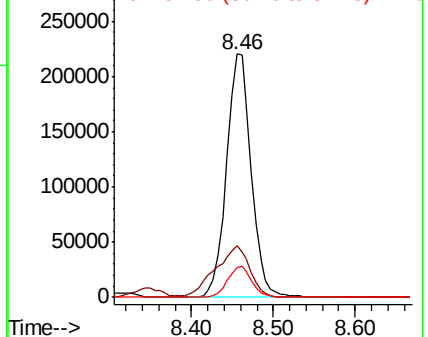
43 100

61 29.6 23.7 35.5

87 12.6 10.5 15.7



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



#44

Trichloroethene

Concen: 92.850 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064585.D

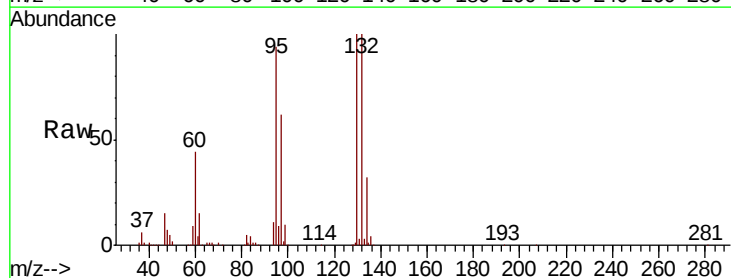
Acq: 24 Dec 2019 12:14

Tgt Ion:130 Resp: 457281

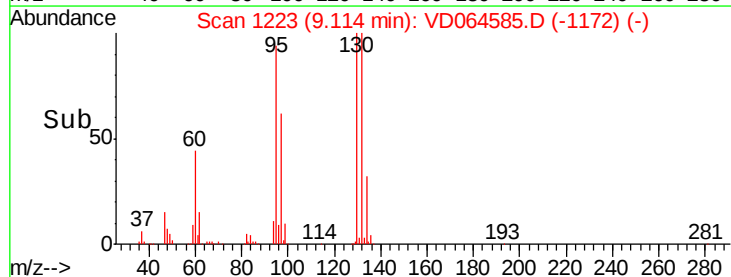
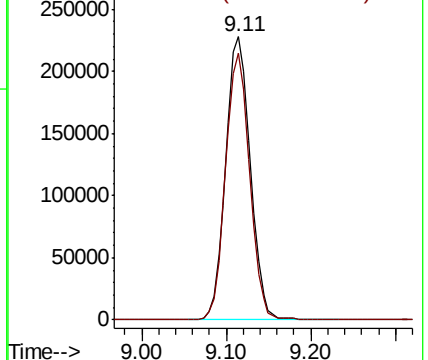
Ion Ratio Lower Upper

130 100

95 94.1 0.0 190.2



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

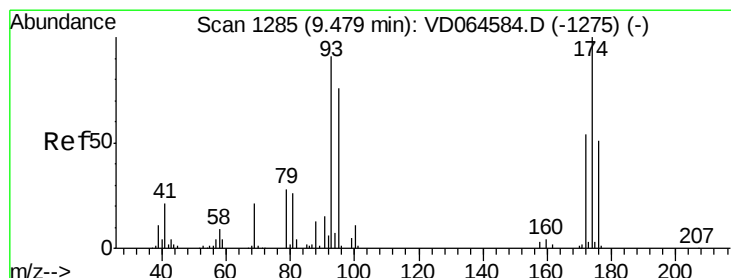
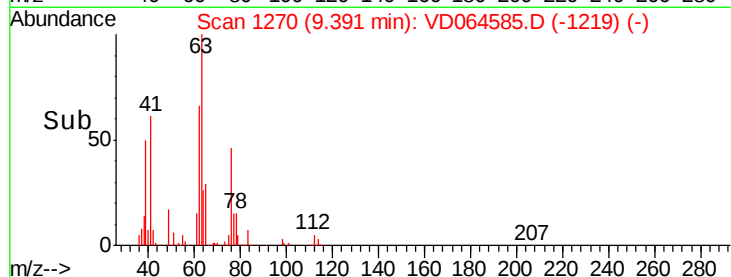
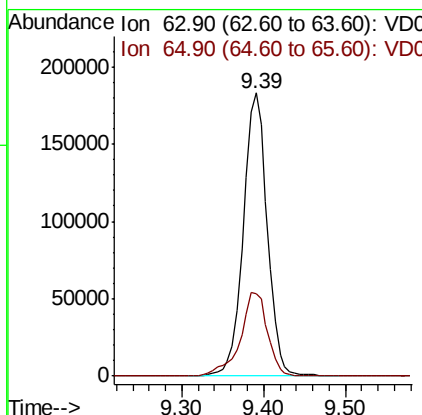
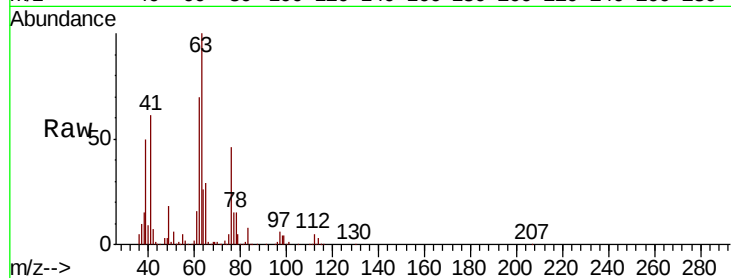




#45
 1,2-Dichloropropane
 Concen: 93.517 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

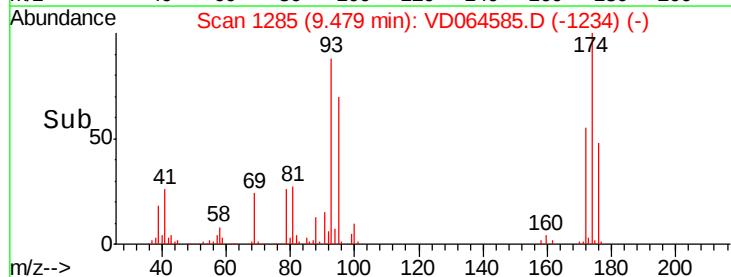
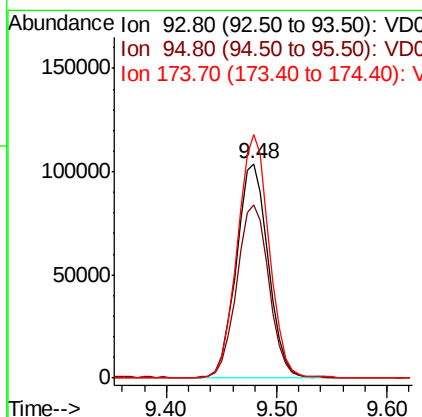
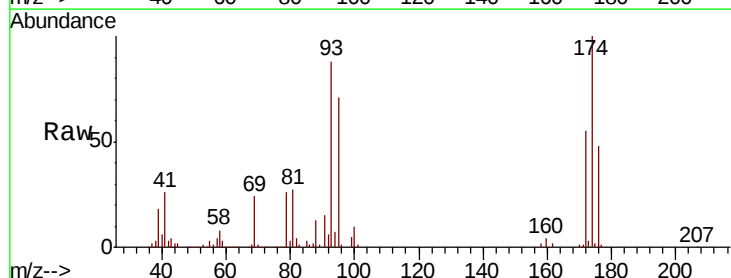
Instrument :
 MSVOA_D
 ClientSampleId :

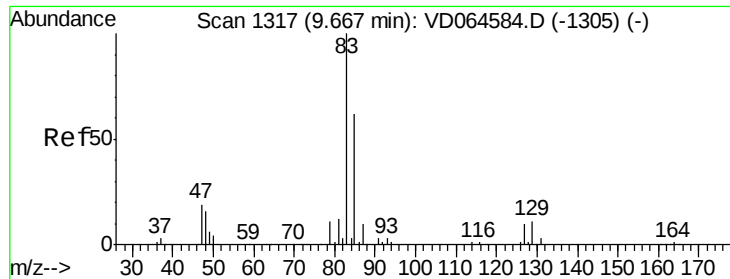
Tot Ion: 63 Resp: 373133
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.2 37.8



#46
 Dibromomethane
 Concen: 95.525 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 93 Resp: 211485
 Ion Ratio Lower Upper
 93 100
 95 81.9 64.6 97.0
 174 113.3 88.1 132.1





#47

Bromodichloromethane

Concen: 93.117 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

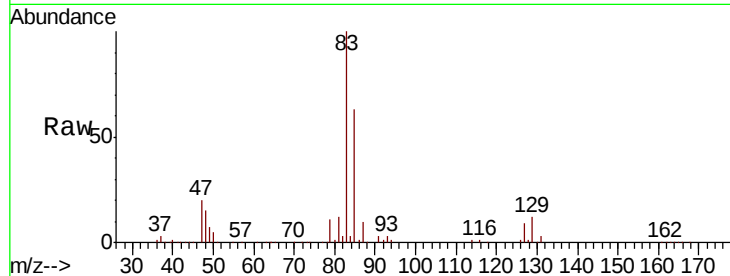
Tot Ion: 83 Resp: 553459

Ion Ratio Lower Upper

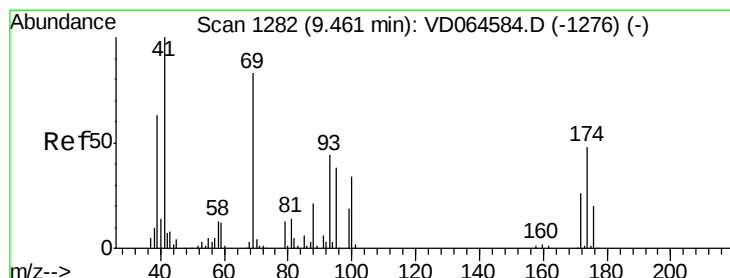
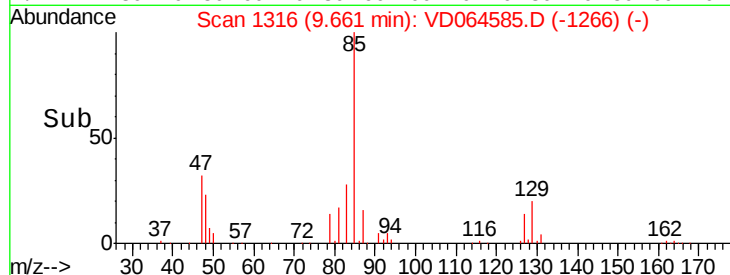
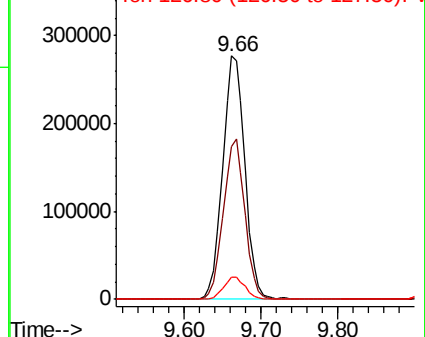
83 100

85 62.5 49.5 74.3

127 8.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 93.524 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

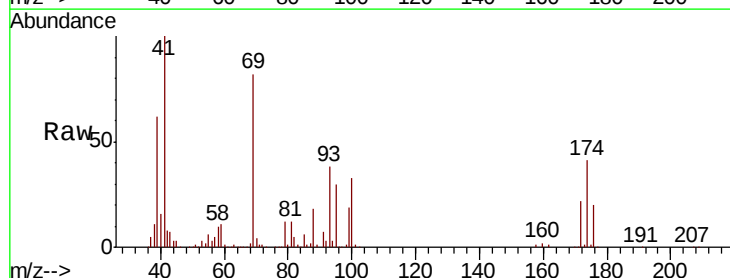
Tgt Ion: 41 Resp: 211432

Ion Ratio Lower Upper

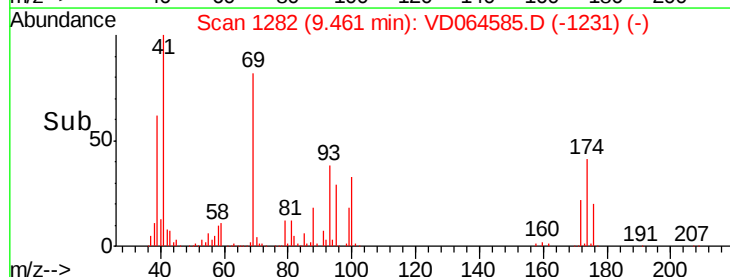
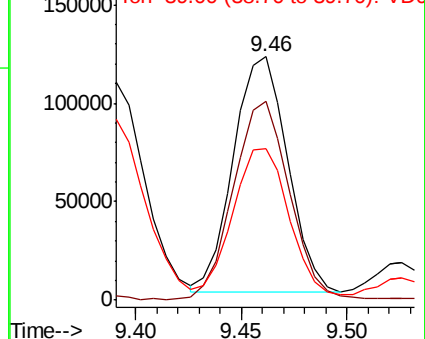
41 100

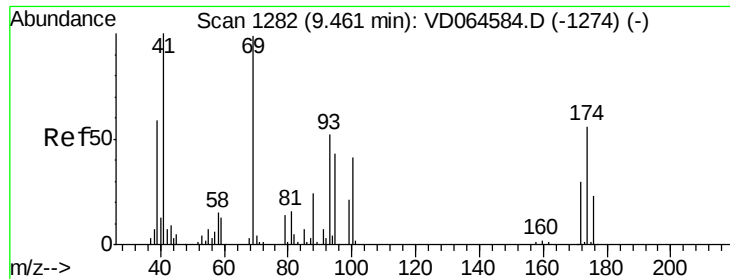
69 88.6 63.0 94.6

39 64.1 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

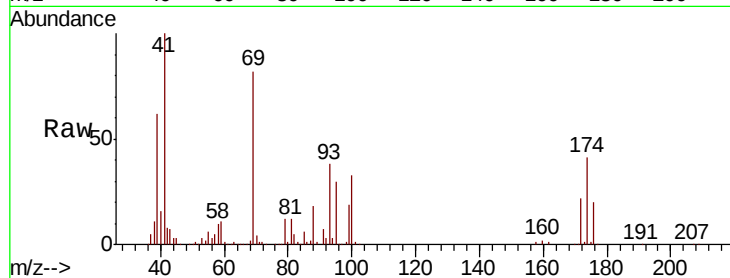




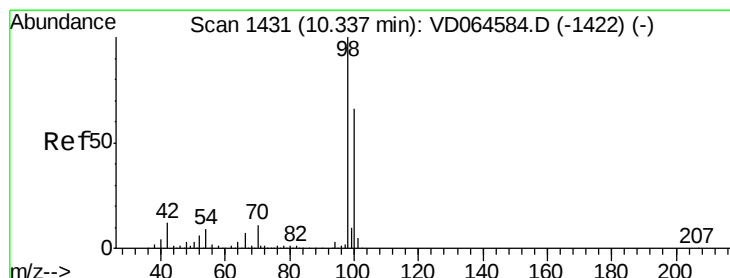
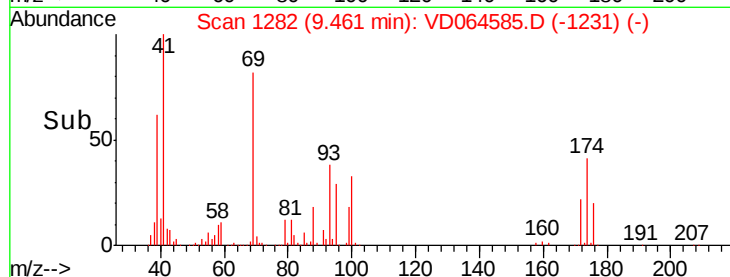
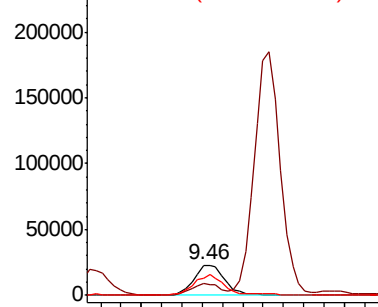
#49
 1,4-Dioxane
 Concen: 1878.249 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 48455
 Ion Ratio Lower Upper
 88 100
 43 34.9 27.7 41.5
 58 63.2 53.8 80.6

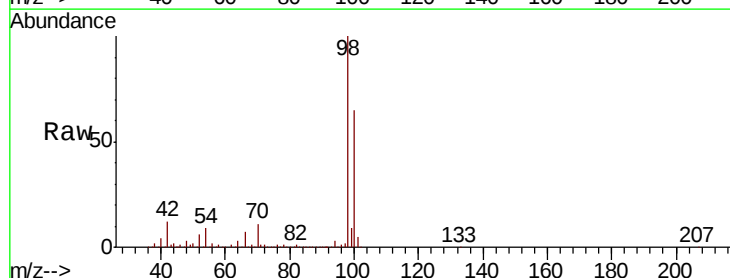


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

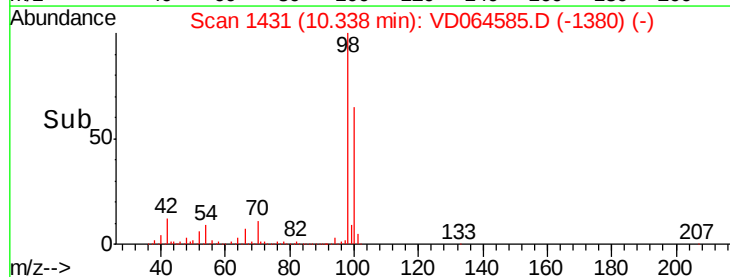
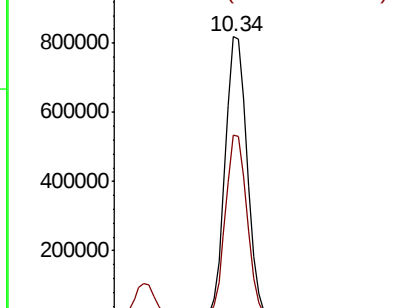


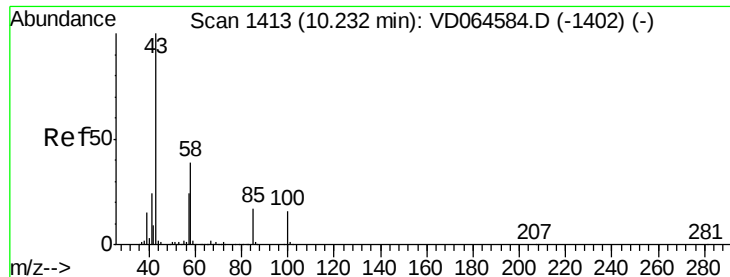
#50
 Toluene-d8
 Concen: 102.809 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 98 Resp: 1486539
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.7 77.5



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

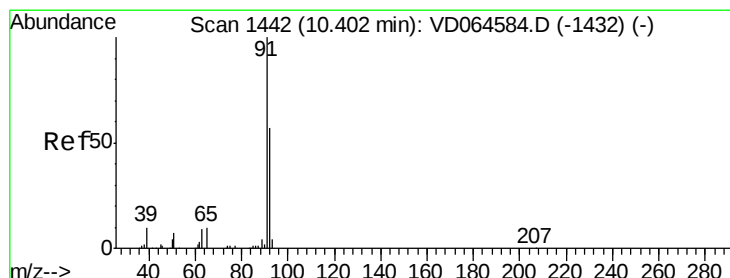
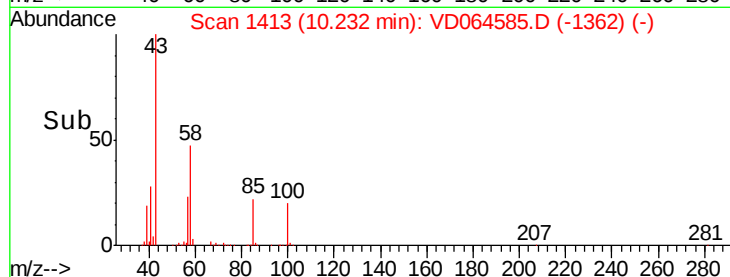
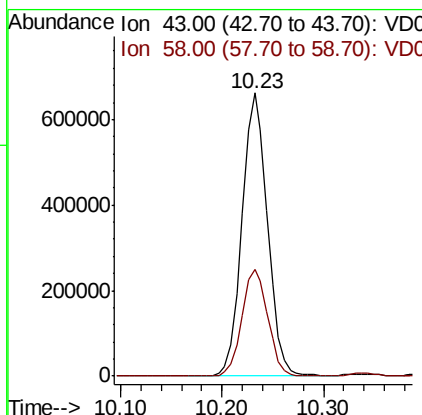
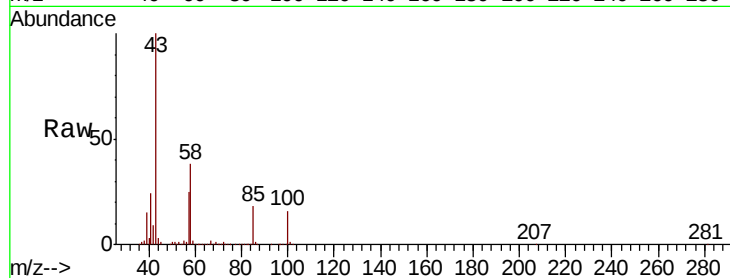




#51
4-Methyl-2-Pentanone
Concen: 495.201 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

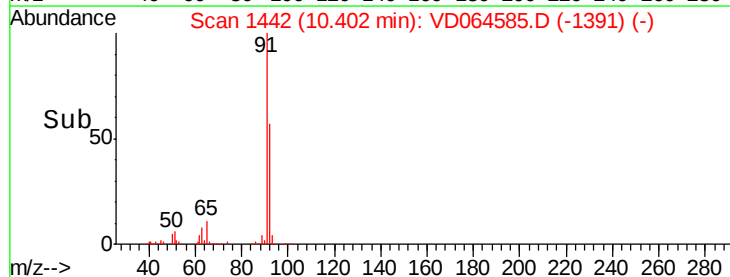
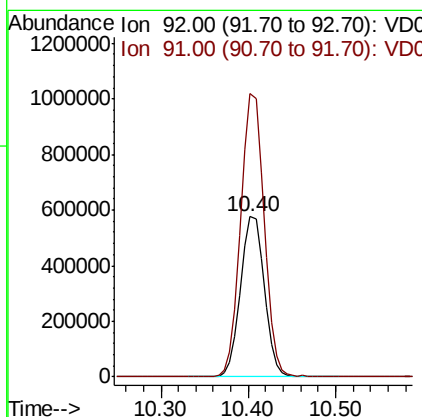
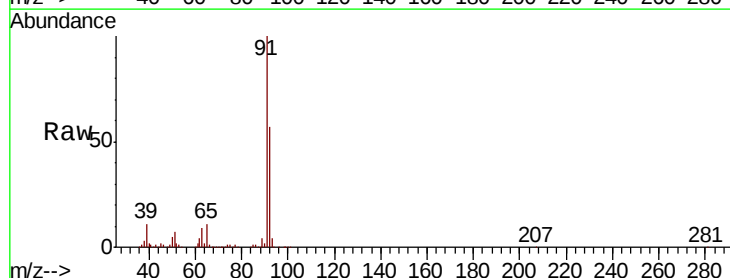
Instrument :
MSVOA_D
ClientSampleId :

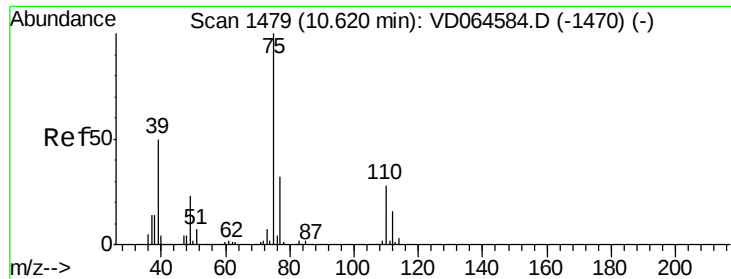
Tot Ion: 43 Resp: 1152446
Ion Ratio Lower Upper
43 100
58 38.3 30.2 45.2



#52
Toluene
Concen: 98.573 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 92 Resp: 1059492
Ion Ratio Lower Upper
92 100
91 174.0 138.7 208.1

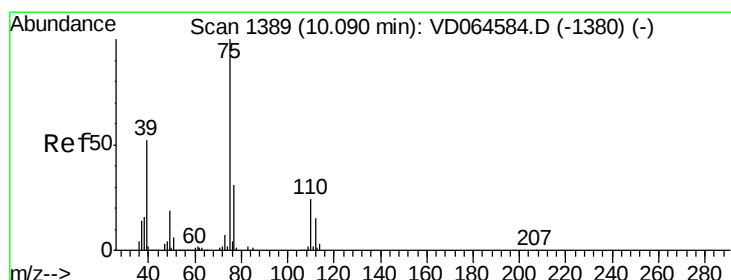
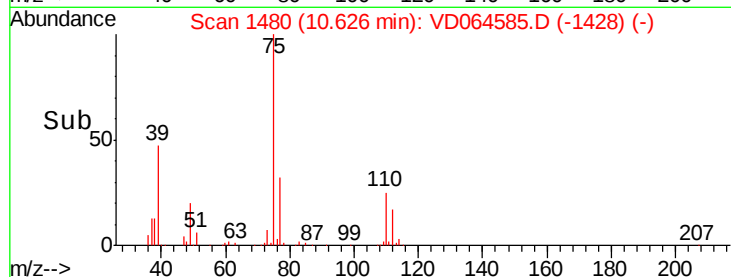
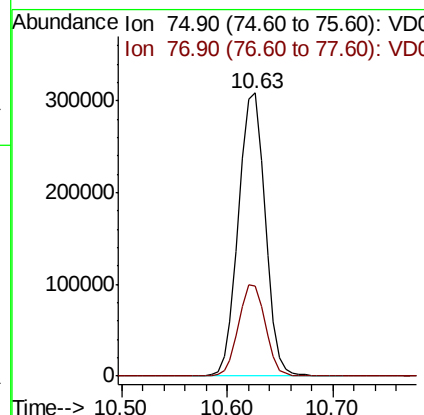
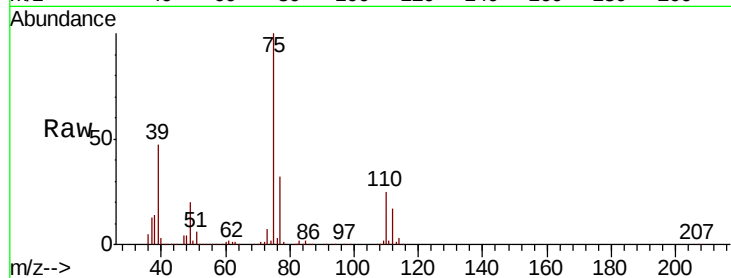




#53
 t-1,3-Dichloropropene
 Concen: 100.484 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

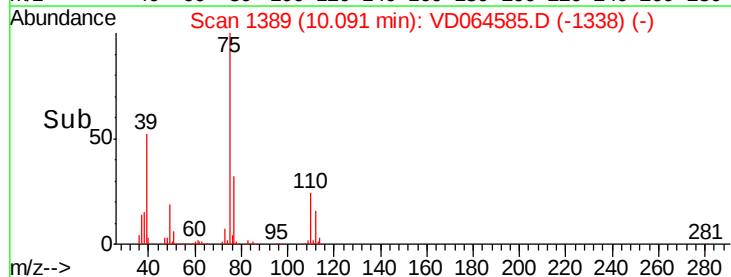
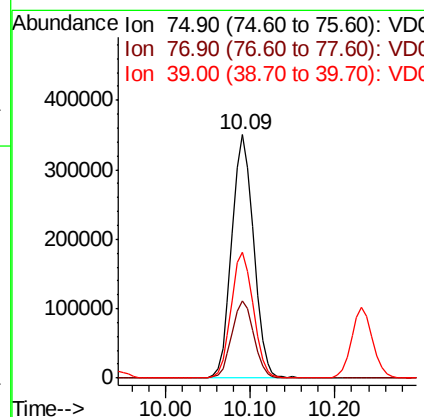
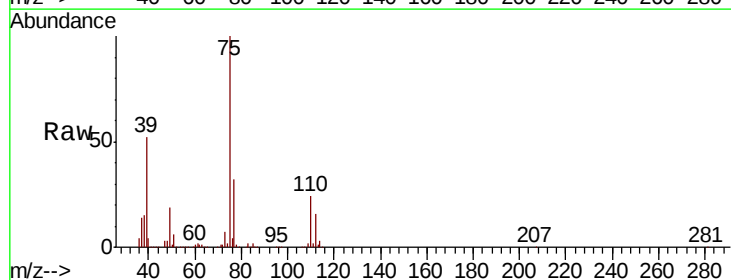
Instrument :
 MSVOA_D
 ClientSampleId :

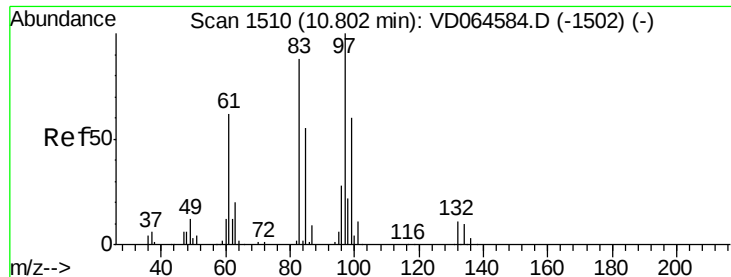
Tot Ion: 75 Resp: 542344
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 97.617 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 75 Resp: 624844
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8
 39 51.7 41.4 62.2



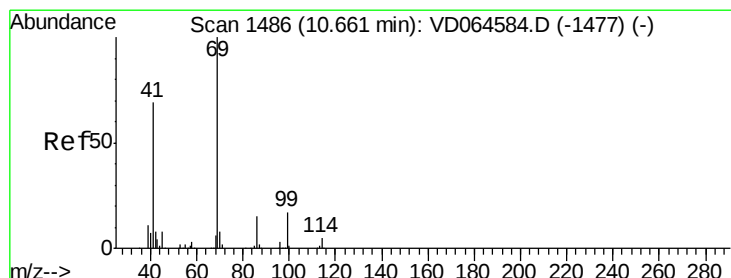
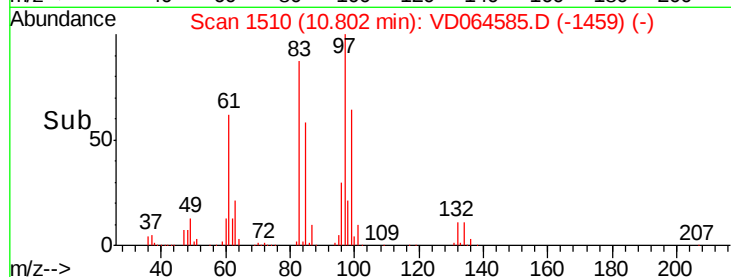
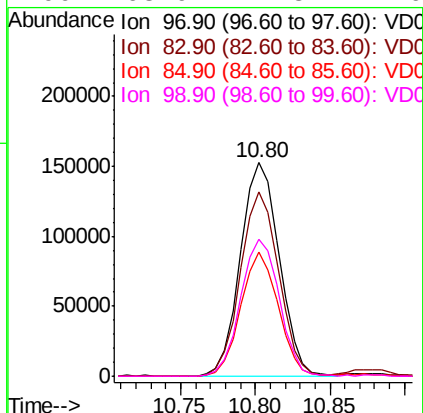
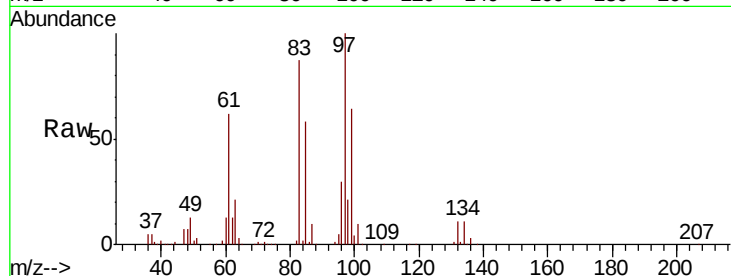


#55
 1,1,2-Trichloroethane
 Concen: 91.614 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 276342

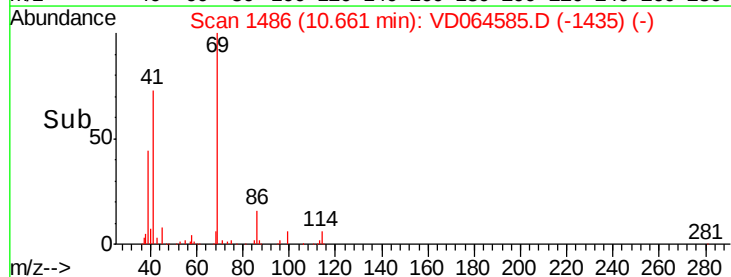
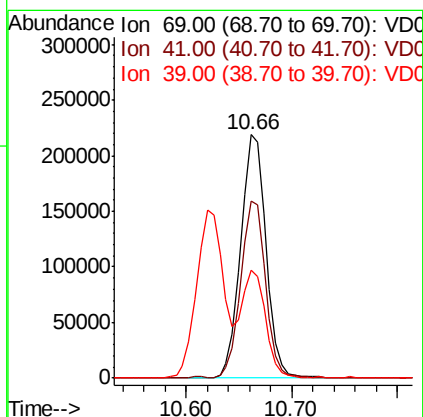
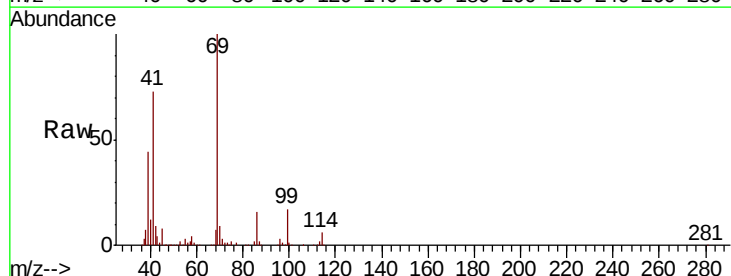
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.2	105.4
85	57.9	44.0	66.0
99	63.9	47.8	71.6

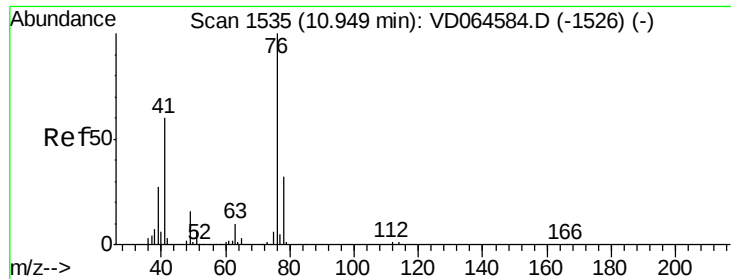


#56
 Ethyl methacrylate
 Concen: 99.329 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 69 Resp: 363496

Ion	Ratio	Lower	Upper
69	100		
41	70.6	55.3	82.9
39	42.1	33.8	50.8

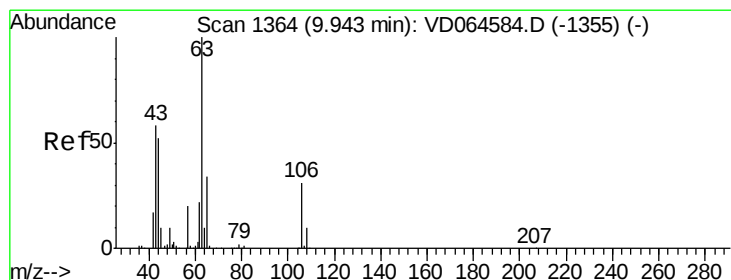
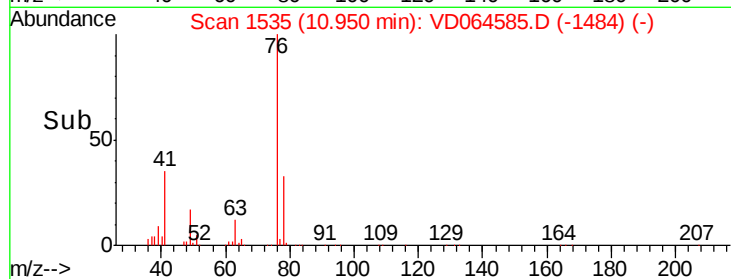
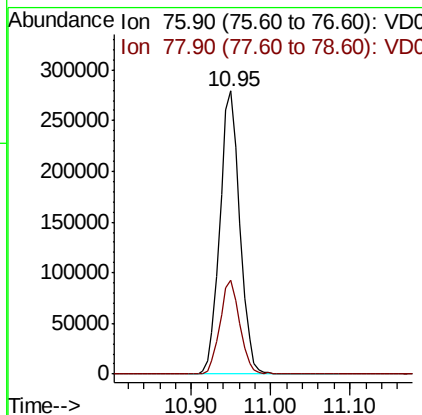
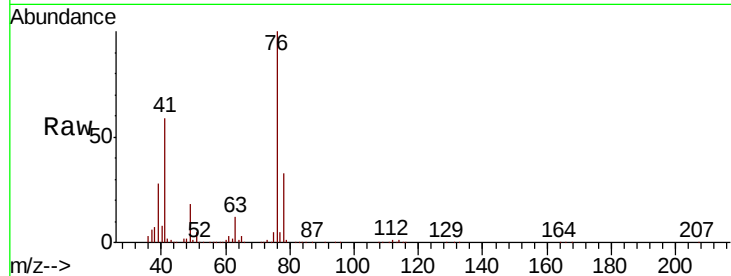




#57
 1,3-Dichloropropane
 Concen: 94.123 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

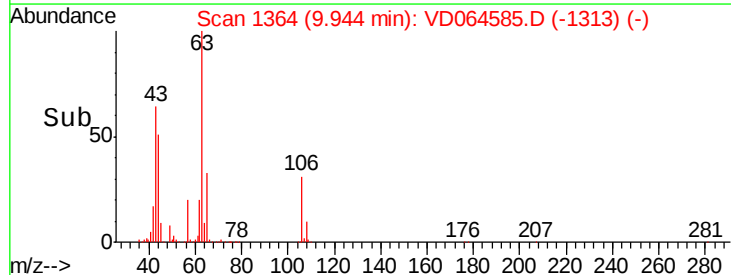
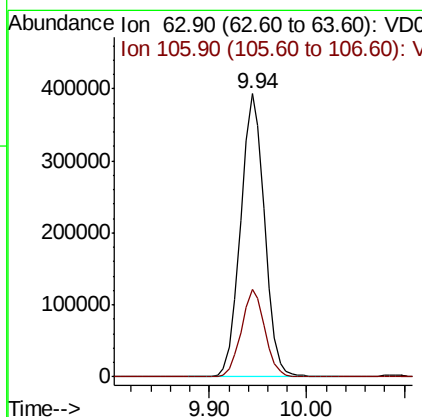
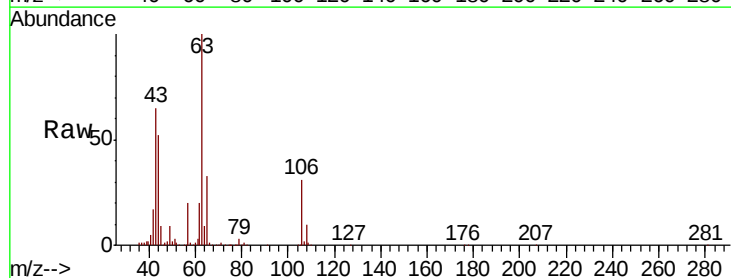
Instrument :
 MSVOA_D
 ClientSampleId :

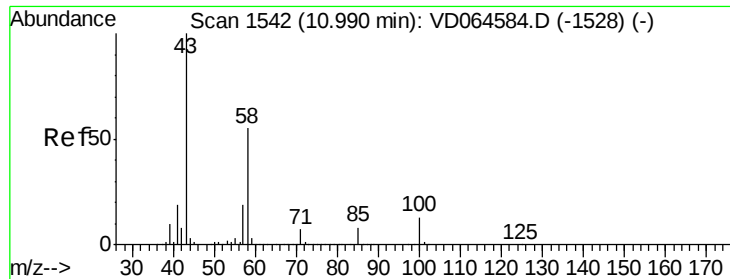
Tot Ion: 76 Resp: 485900
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 468.931 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 63 Resp: 671235
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.8 35.8

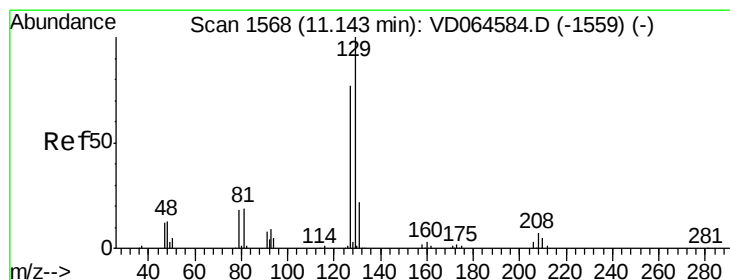
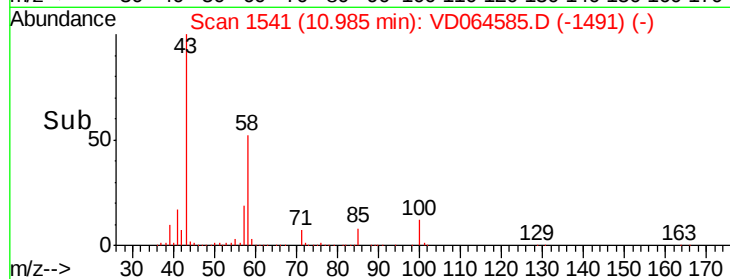
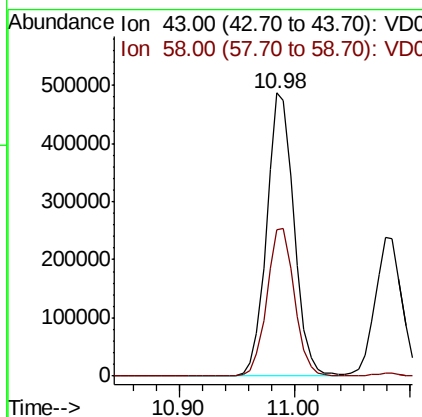
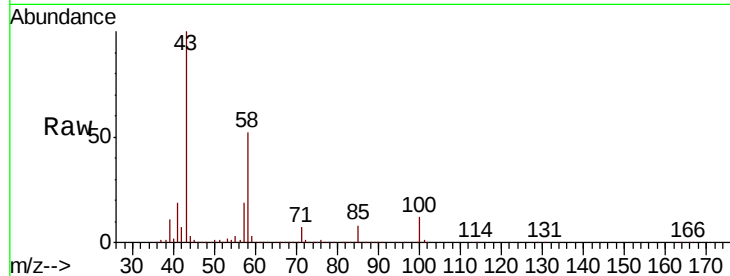




#59
2-Hexanone
Concen: 510.246 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

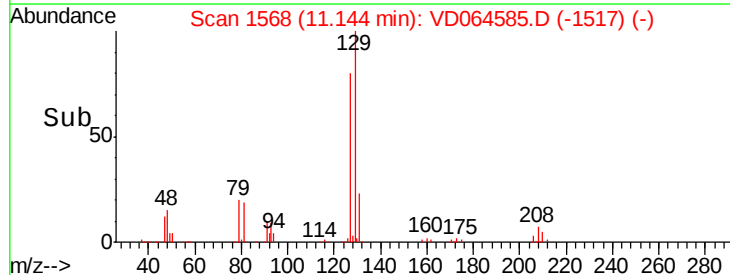
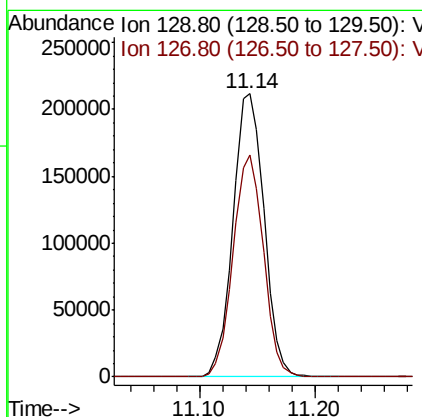
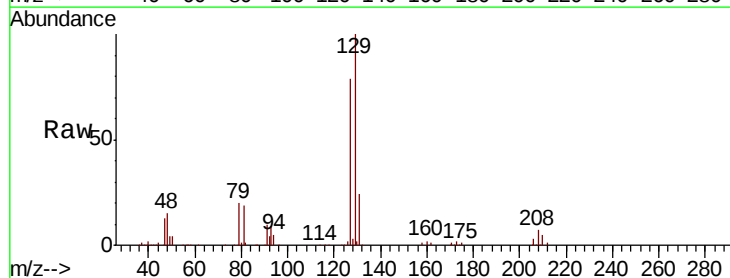
Instrument :
MSVOA_D
ClientSampleID :

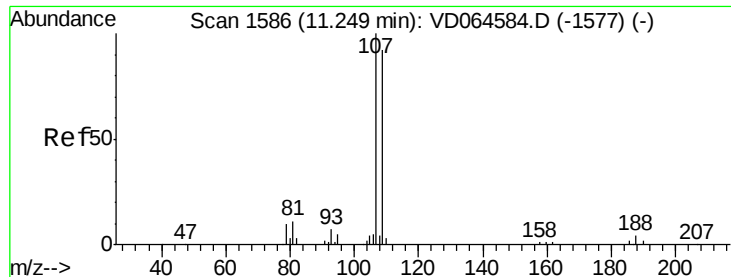
Tot Ion: 43 Resp: 802400
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0



#60
Dibromochloromethane
Concen: 96.117 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 129 Resp: 395331
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2

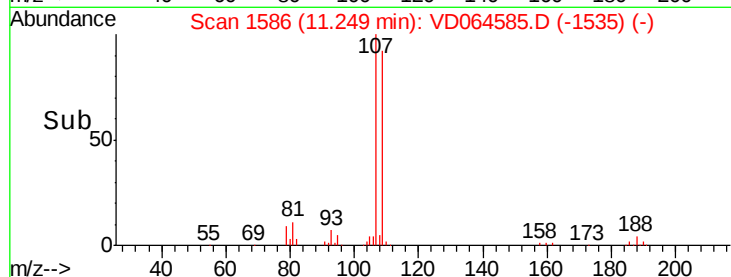
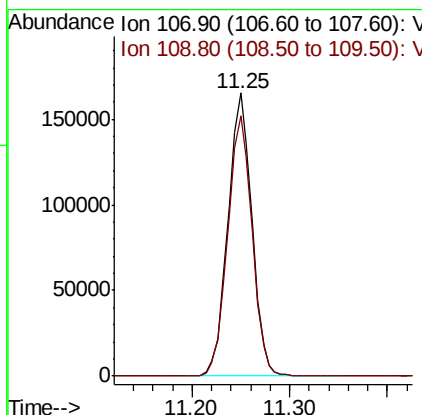
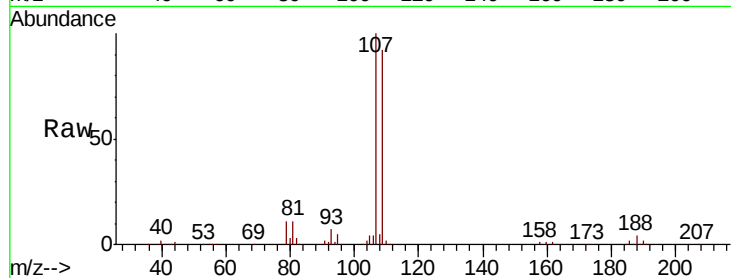




#61
 1,2-Dibromoethane
 Concen: 95.862 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

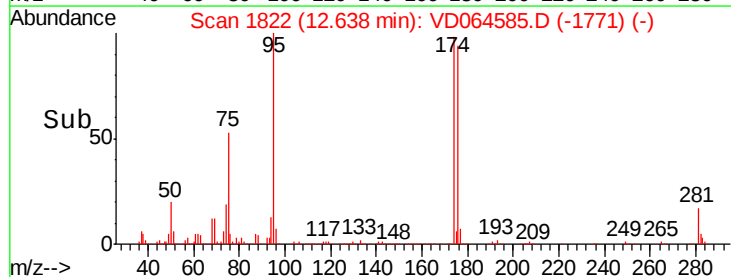
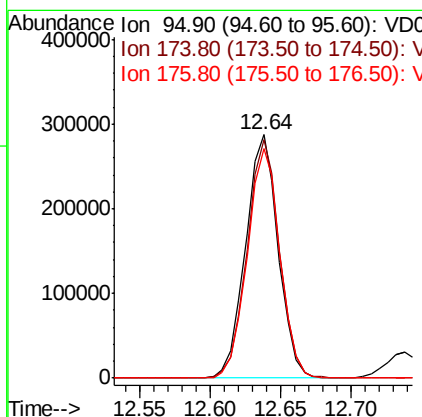
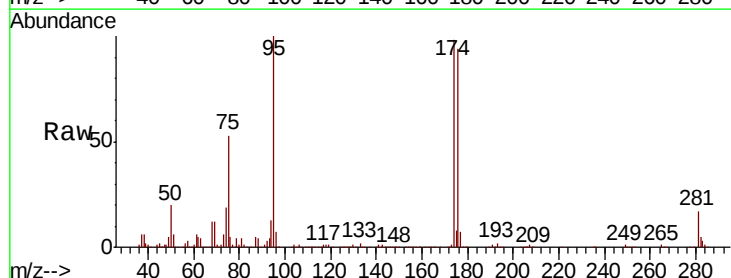
Instrument :
 MSVOA_D
 ClientSampleId :

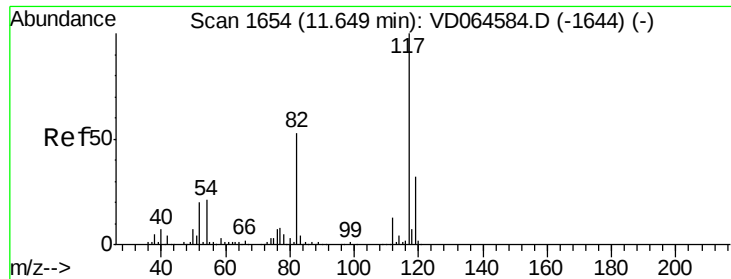
Tot Ion: 107 Resp: 281687
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 100.909 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 95 Resp: 464248
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 193.2
 176 94.6 0.0 184.2

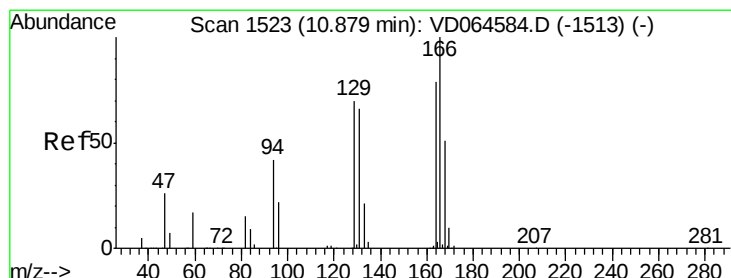
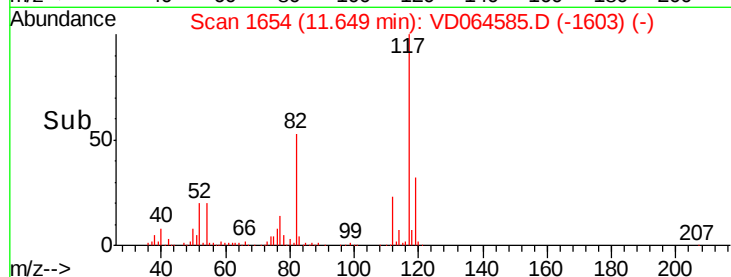
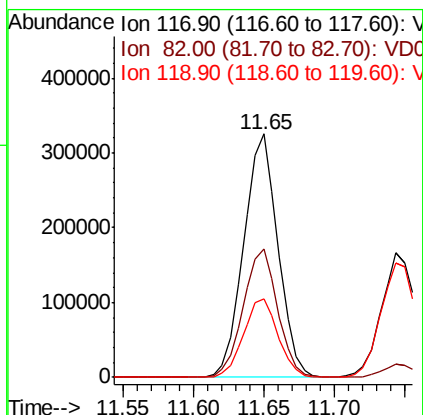
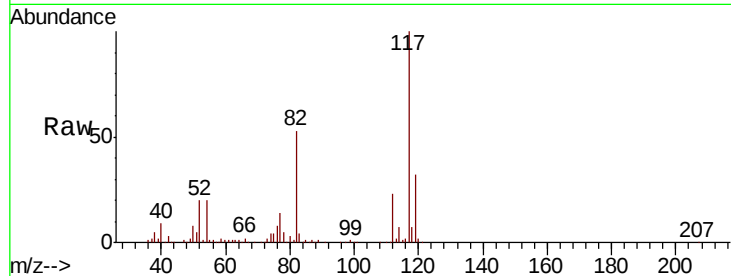




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

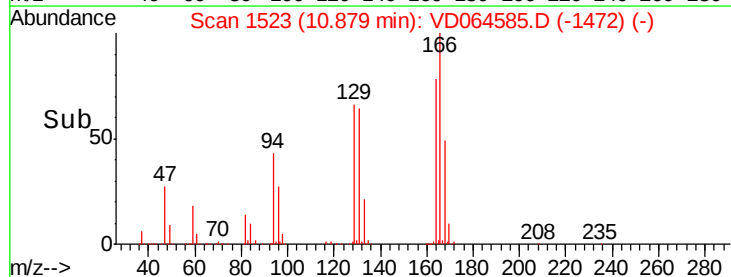
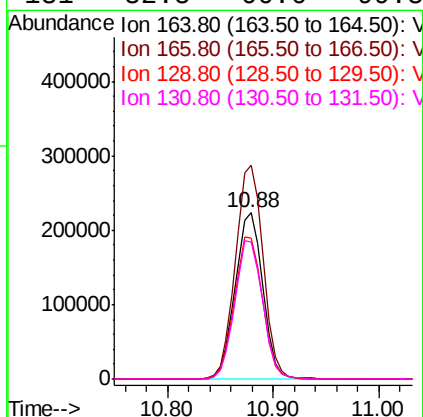
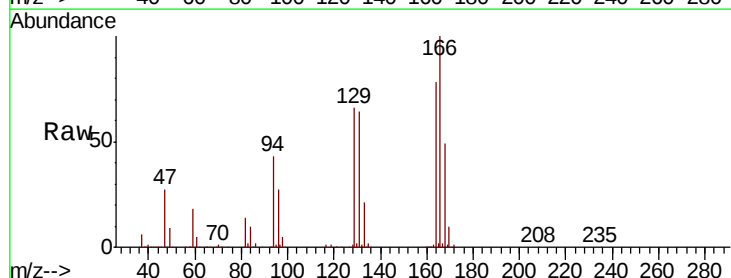
Instrument :
MSVOA_D
ClientSampleId :

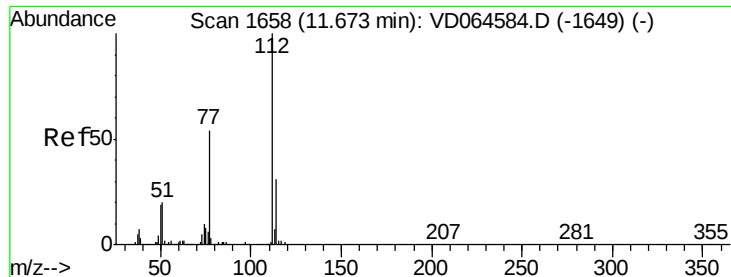
Tot Ion:117 Resp: 554348
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 91.124 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:164 Resp: 402496
Ion Ratio Lower Upper
164 100
166 128.4 101.3 151.9
129 84.8 70.5 105.7
131 82.5 66.6 99.8

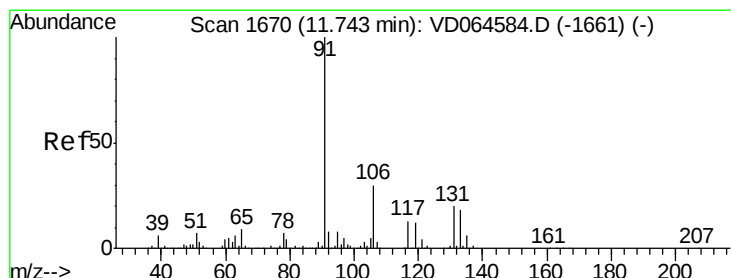
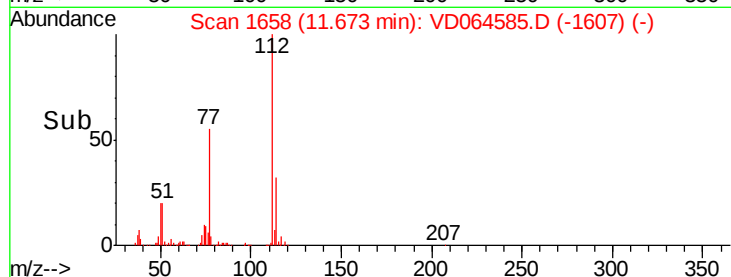
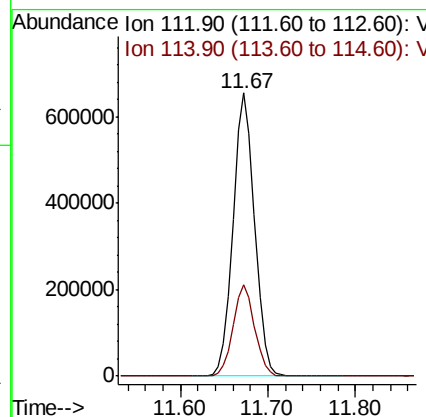
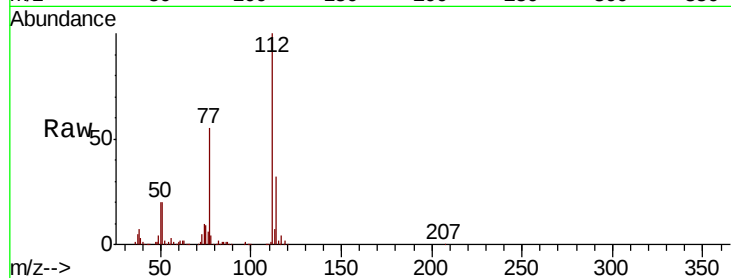




#65
Chlorobenzene
Concen: 92.886 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

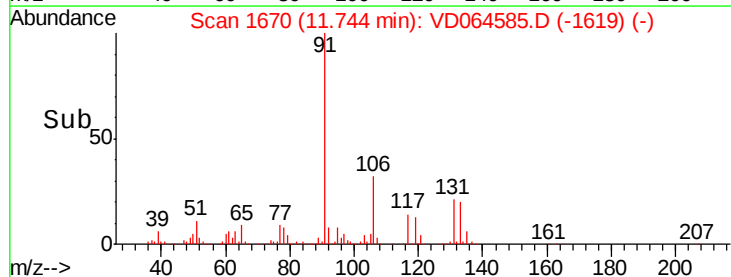
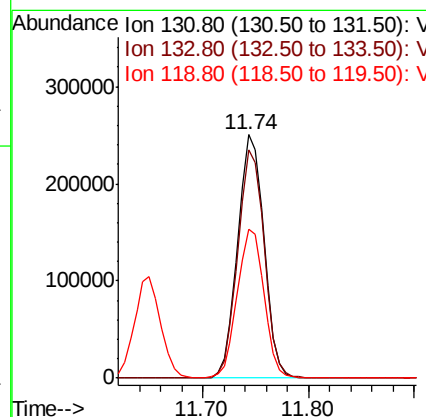
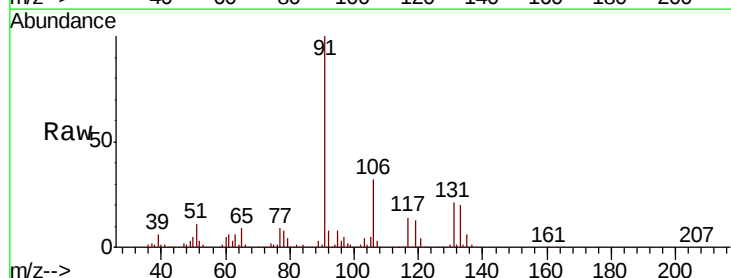
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 1097139
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 98.056 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:131 Resp: 430474
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 62.3 32.1 96.3





#67

Ethyl Benzene

Concen: 96.504 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

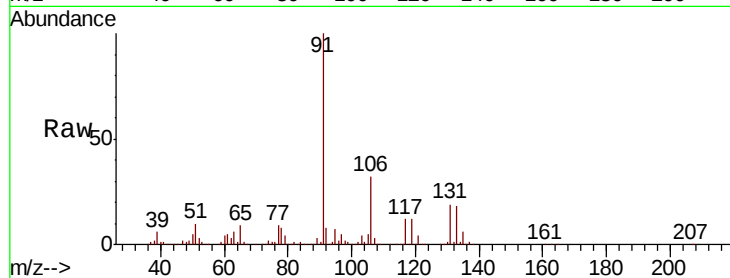
ClientSampled :

Tot Ion: 91 Resp: 2048896

Ion Ratio Lower Upper

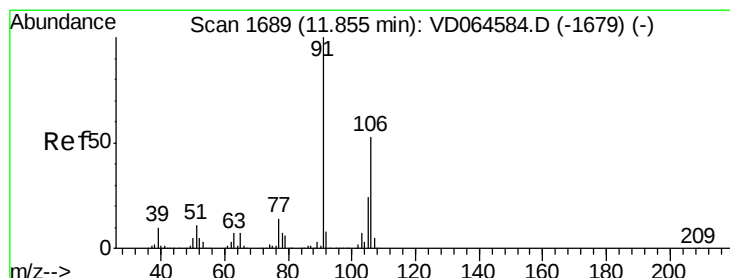
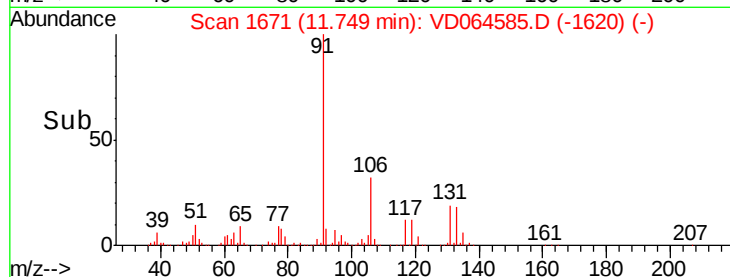
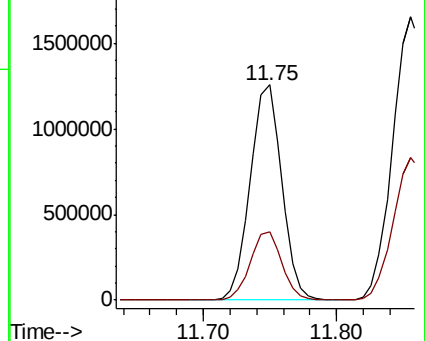
91 100

106 31.7 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: 194.013 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064585.D

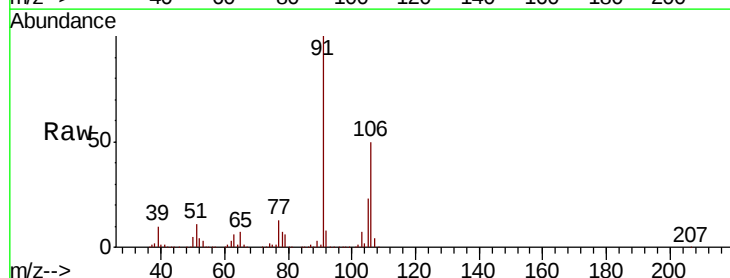
Acq: 24 Dec 2019 12:14

Tgt Ion: 106 Resp: 1586754

Ion Ratio Lower Upper

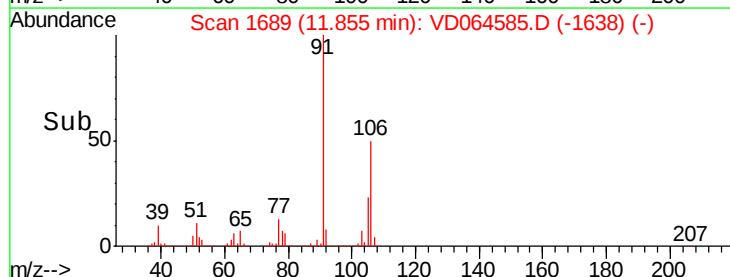
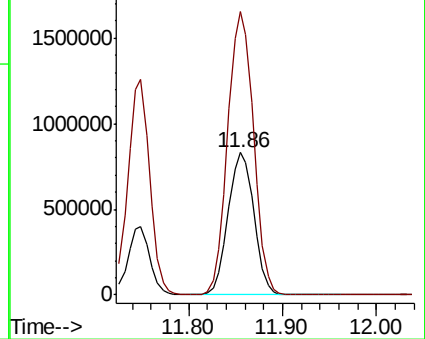
106 100

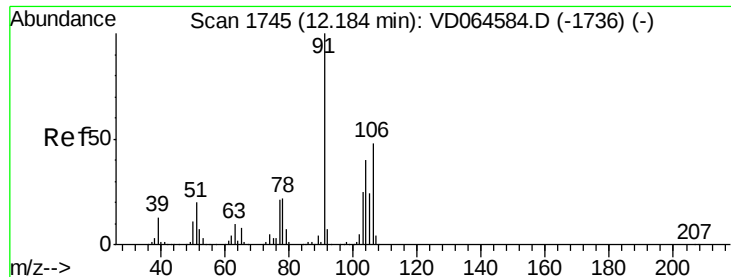
91 199.3 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

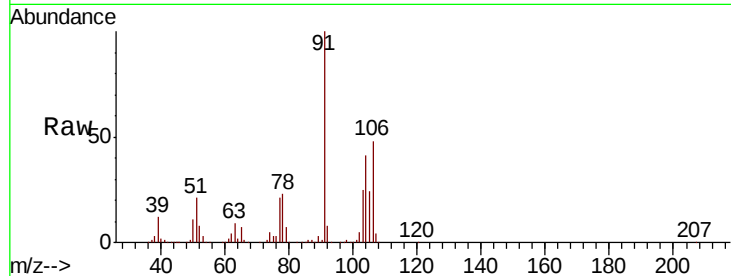




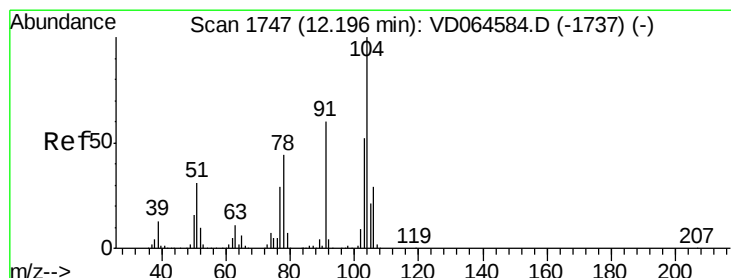
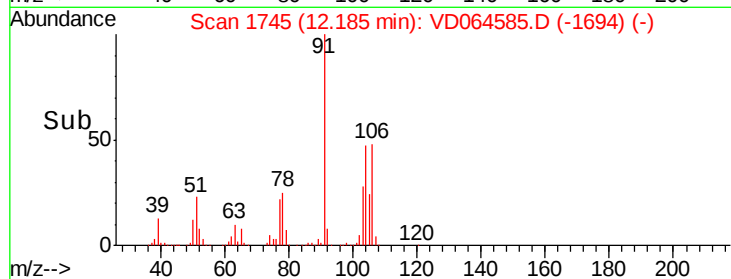
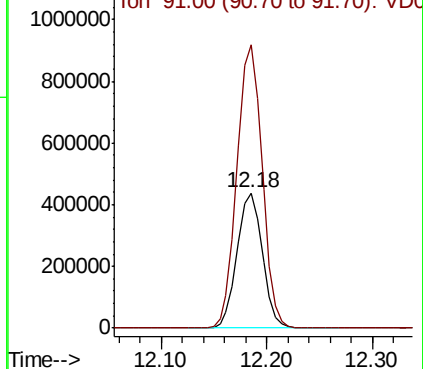
#69
o-Xylene
Concen: 98.643 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 725226
Ion Ratio Lower Upper
106 100
91 209.0 104.8 314.4

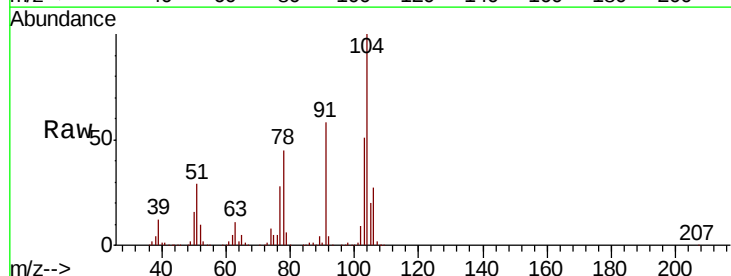


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

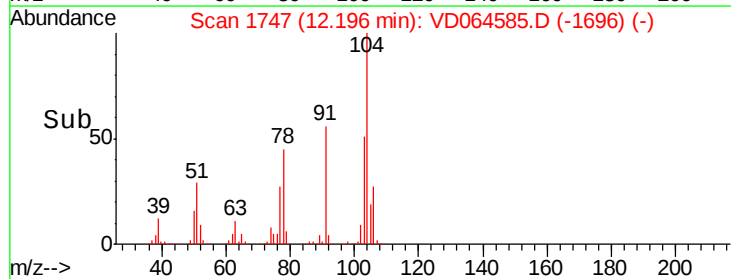
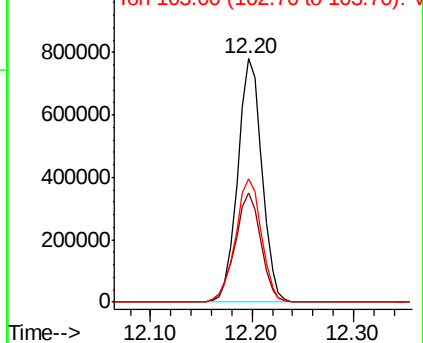


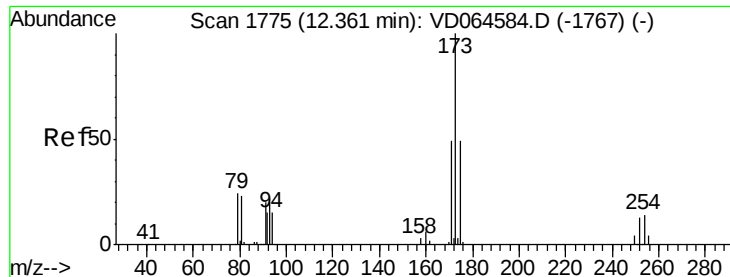
#70
Styrene
Concen: 101.201 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:104 Resp: 1291660
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 54.6 44.6 67.0



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





#71

Bromoform

Concen: 96.559 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

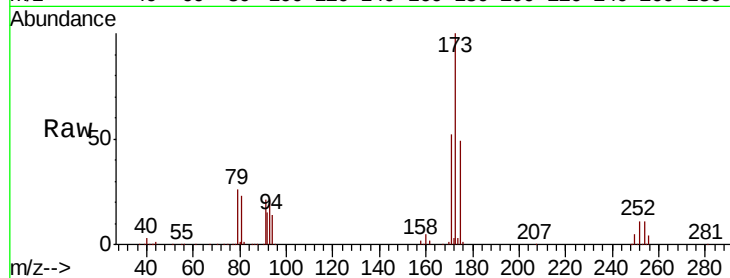
Tot Ion:173 Resp: 243457

Ion Ratio Lower Upper

173 100

175 48.2 24.6 73.8

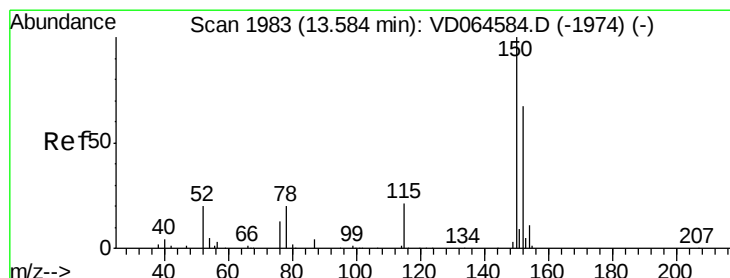
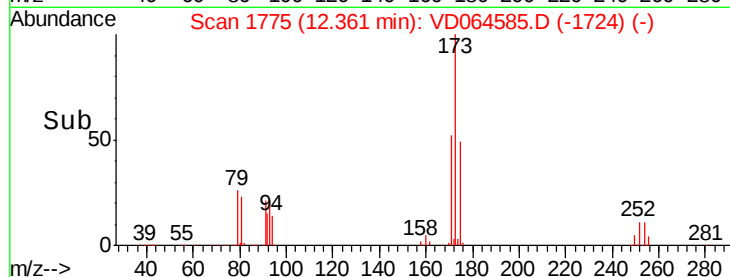
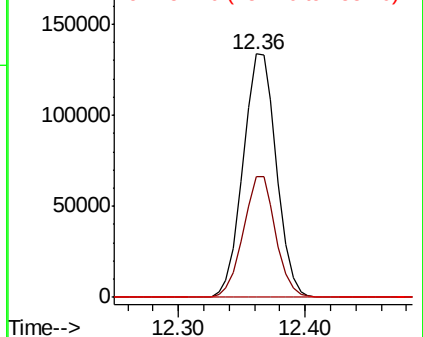
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

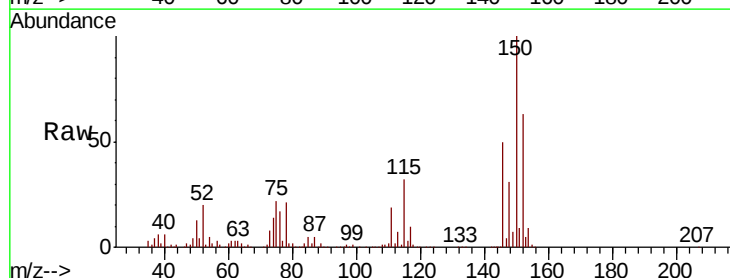
Tgt Ion:152 Resp: 287422

Ion Ratio Lower Upper

152 100

115 52.9 27.8 83.4

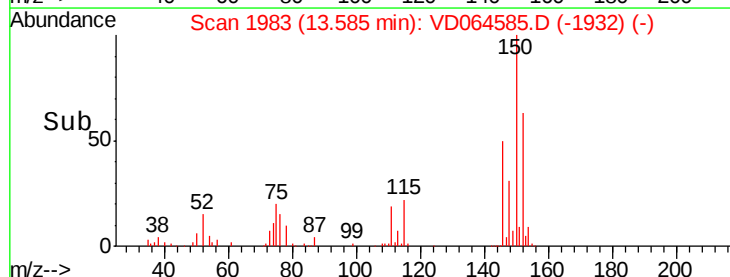
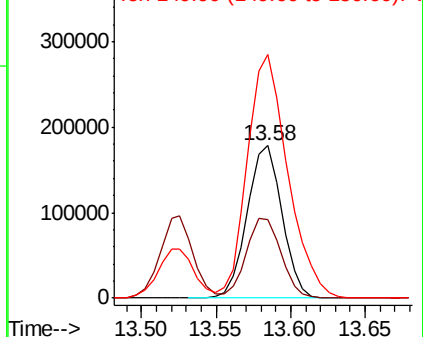
150 185.6 0.0 351.4

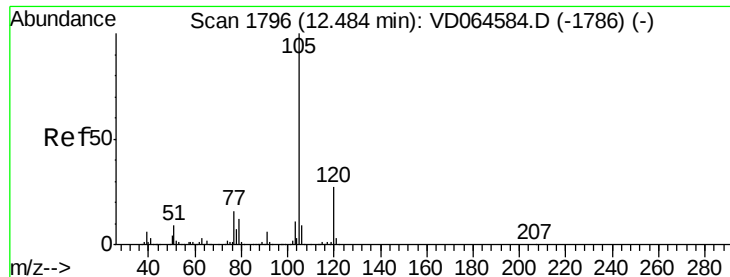


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.931 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

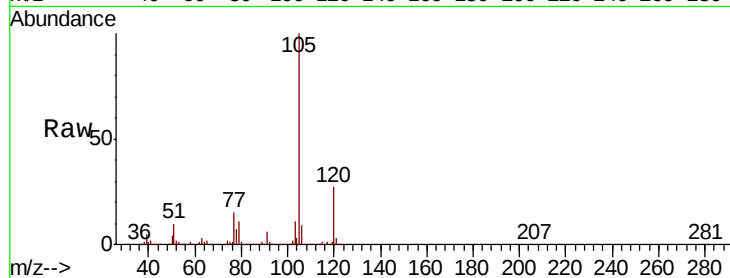
ClientSampled :

Tot Ion:105 Resp: 1977711

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

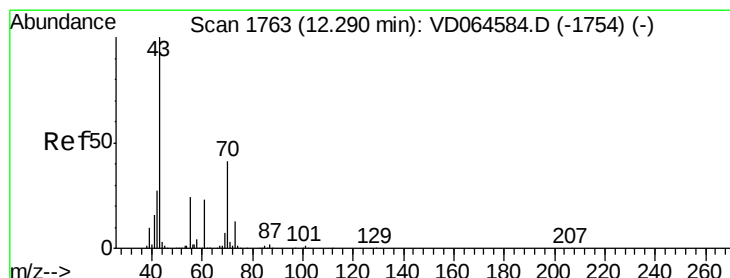
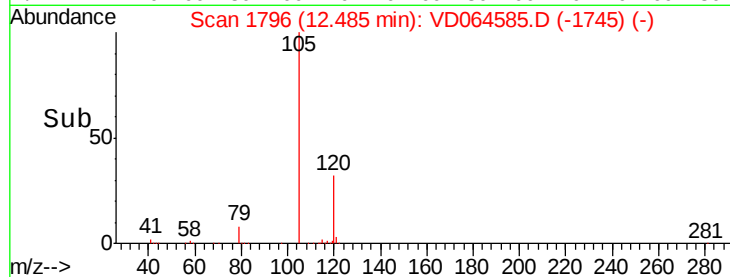
1000000

500000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 97.540 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion: 43 Resp: 435108

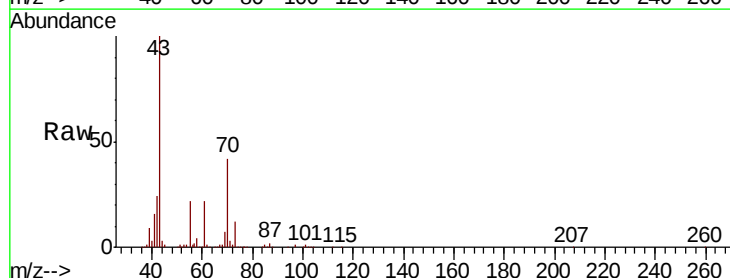
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 23.0 19.4 29.0

61 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

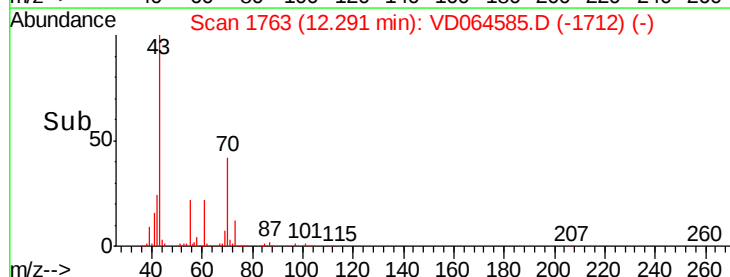
200000

100000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 88.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

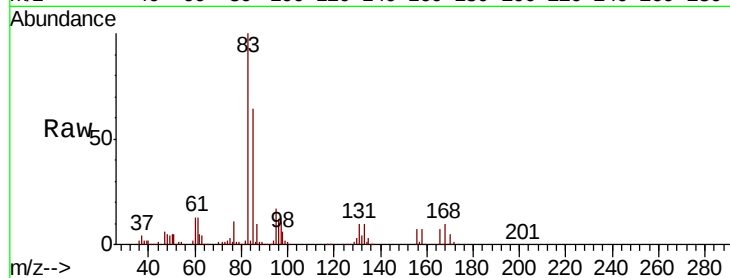
Tot Ion: 83 Resp: 299632

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

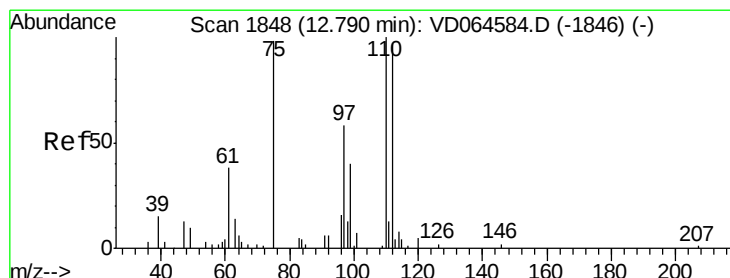
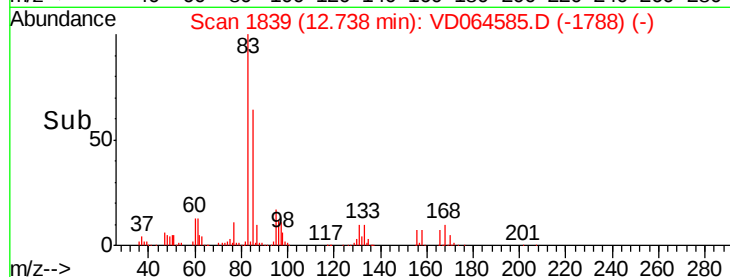
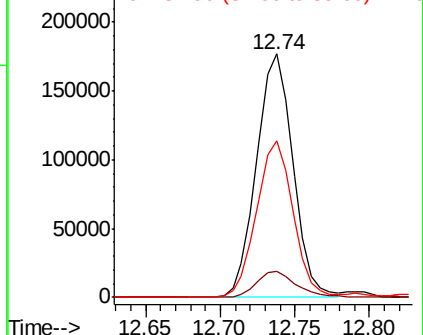
85 64.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 101.477 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064585.D

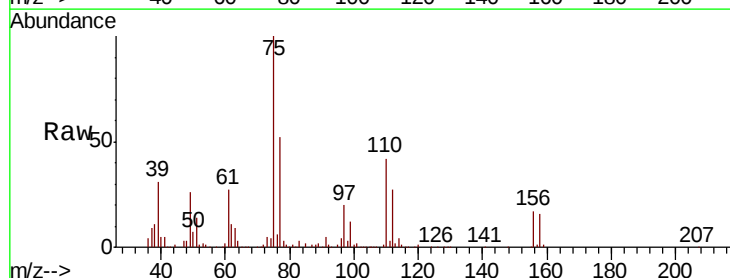
Acq: 24 Dec 2019 12:14

Tgt Ion: 75 Resp: 407492

Ion Ratio Lower Upper

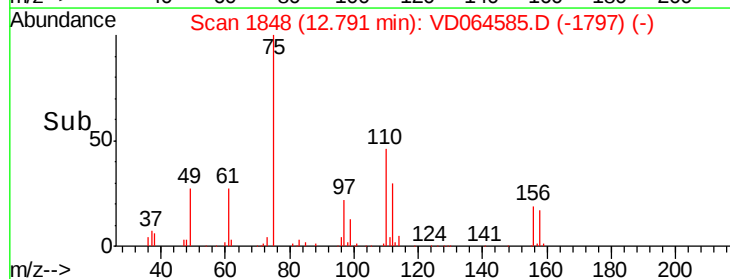
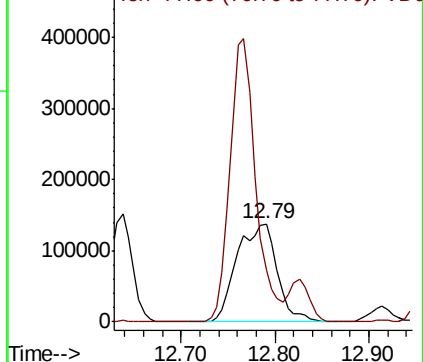
75 100

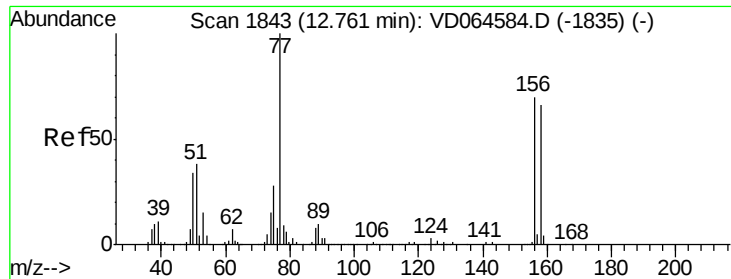
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 92.413 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

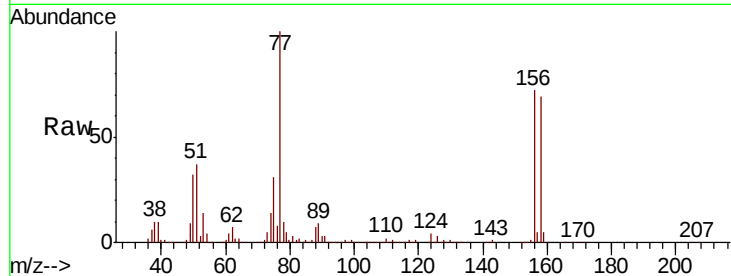
Tot Ion:156 Resp: 482229

Ion Ratio Lower Upper

156 100

77 157.3 80.9 242.7

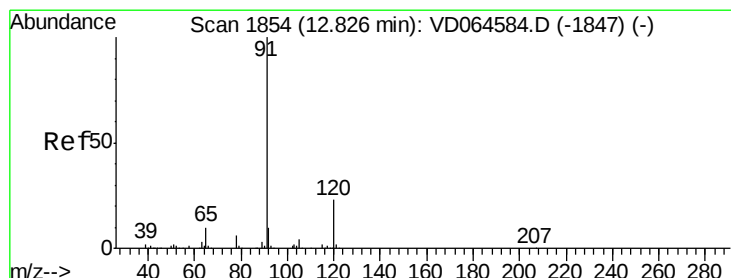
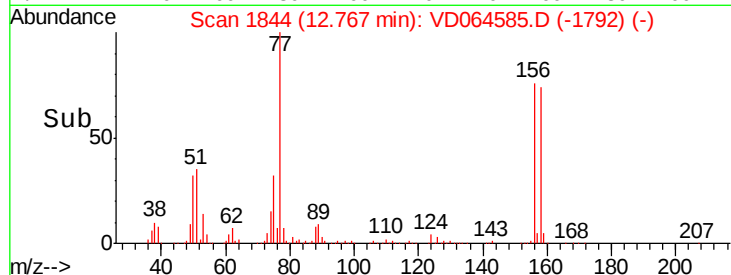
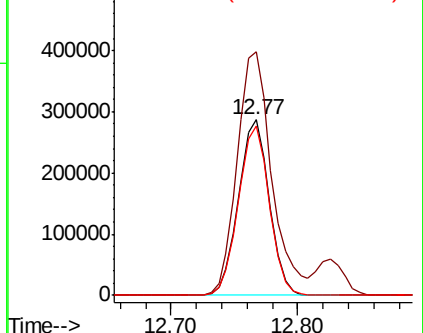
158 96.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.697 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064585.D

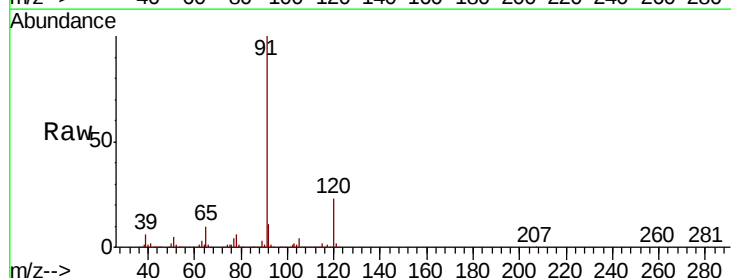
Acq: 24 Dec 2019 12:14

Tgt Ion: 91 Resp: 2306373

Ion Ratio Lower Upper

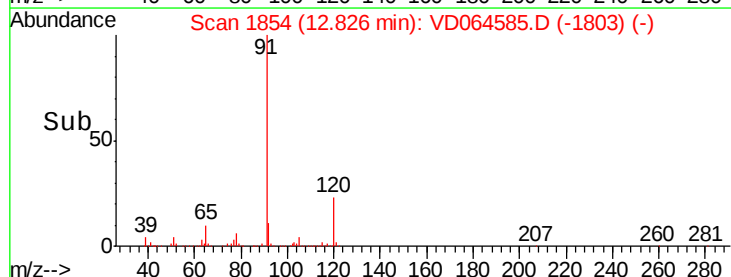
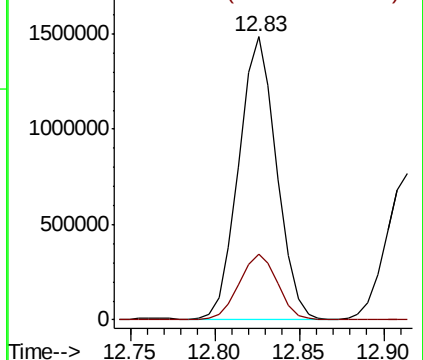
91 100

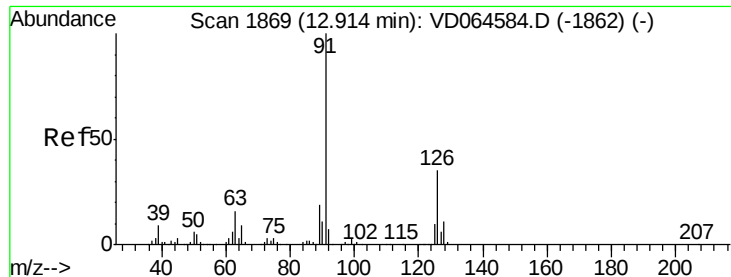
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

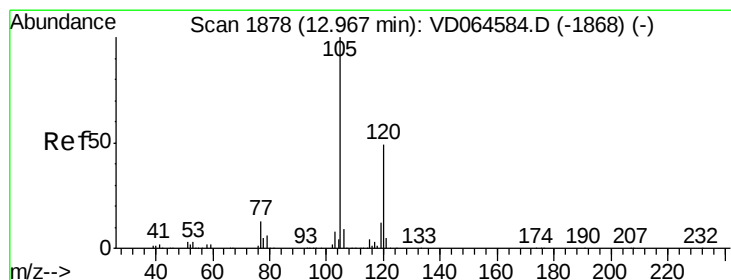
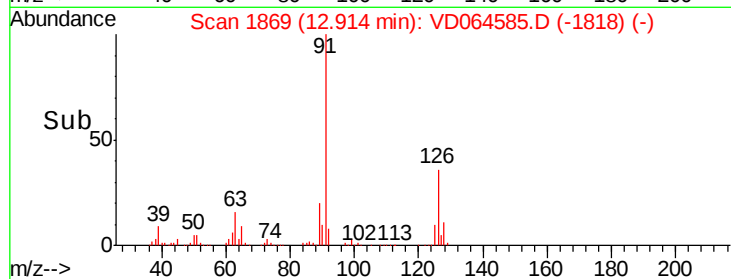
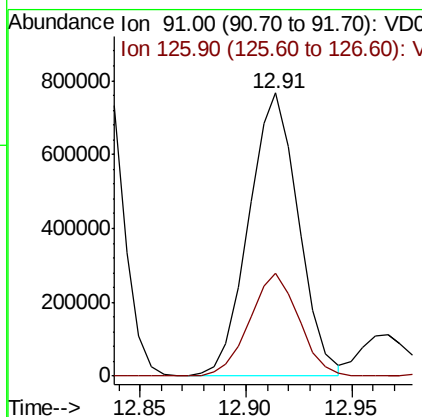
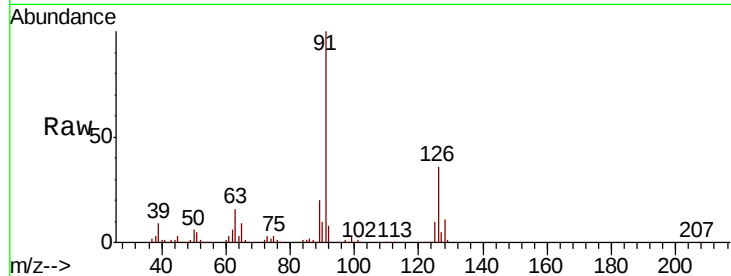




#79
 2-Chlorotoluene
 Concen: 91.682 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

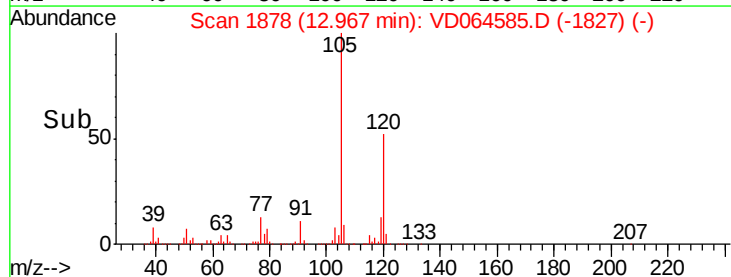
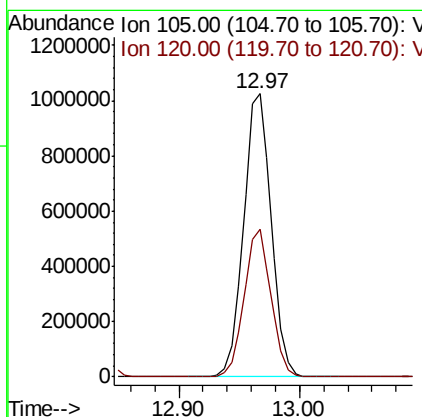
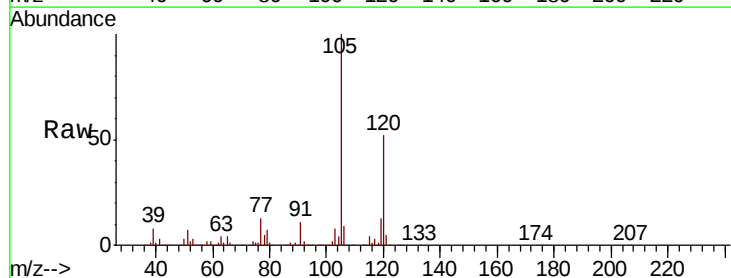
Instrument :
 MSVOA_D
 ClientSampled :

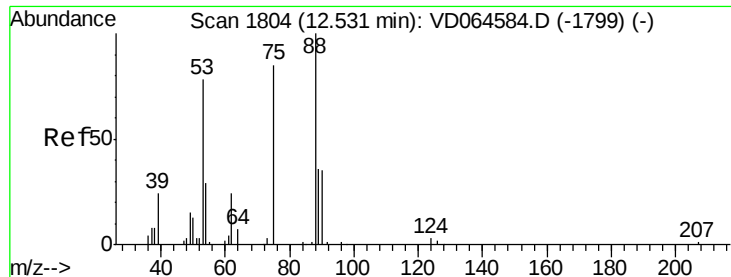
Tot Ion: 91 Resp: 1248340
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 94.512 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion: 105 Resp: 1630171
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 93.979 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

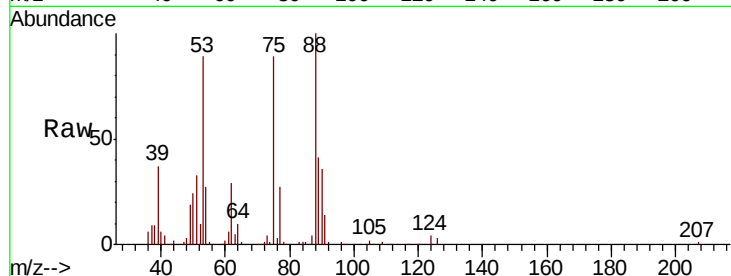
Tot Ion: 75 Resp: 104636

Ion Ratio Lower Upper

75 100

53 100.6 78.8 118.2

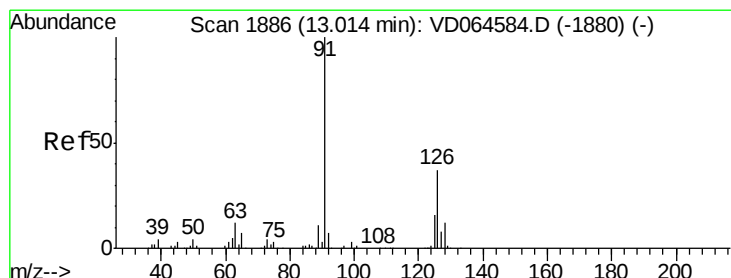
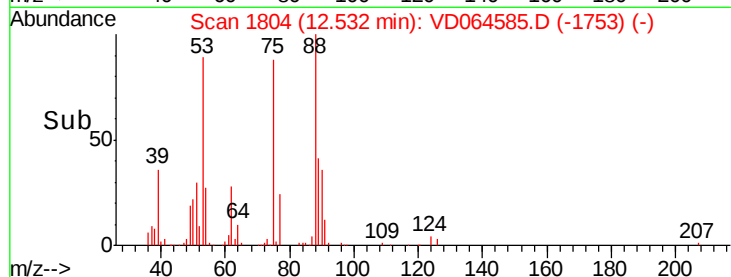
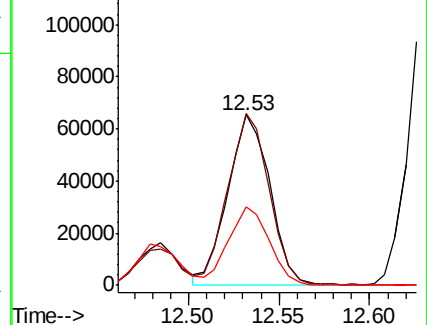
89 45.2 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 93.090 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064585.D

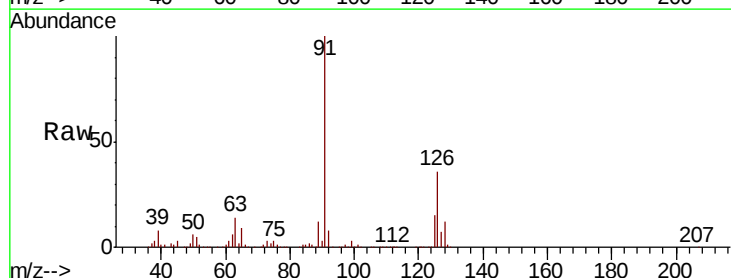
Acq: 24 Dec 2019 12:14

Tgt Ion: 91 Resp: 1338506

Ion Ratio Lower Upper

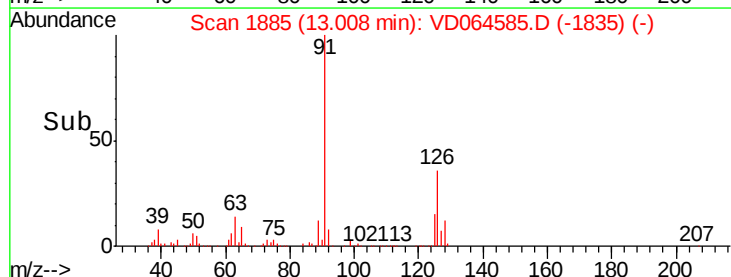
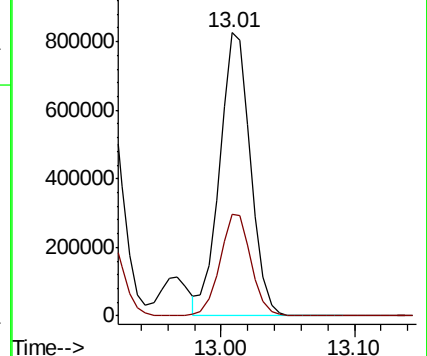
91 100

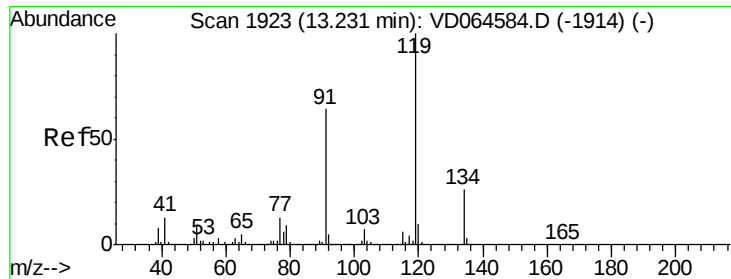
126 36.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

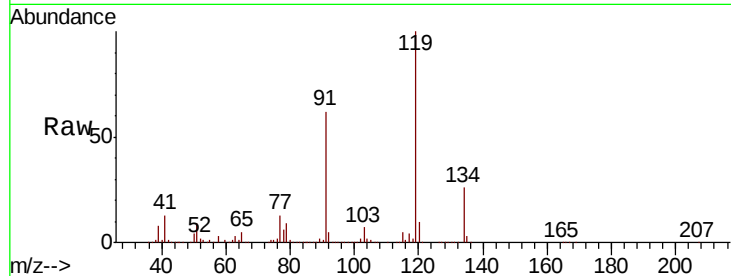




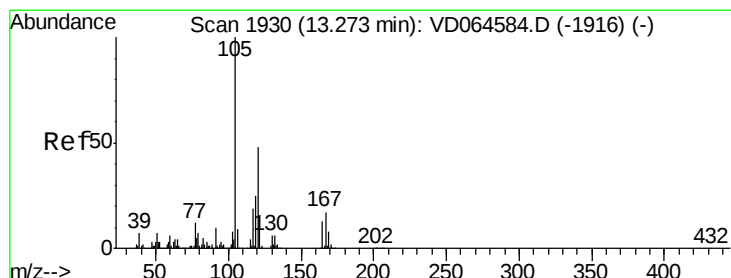
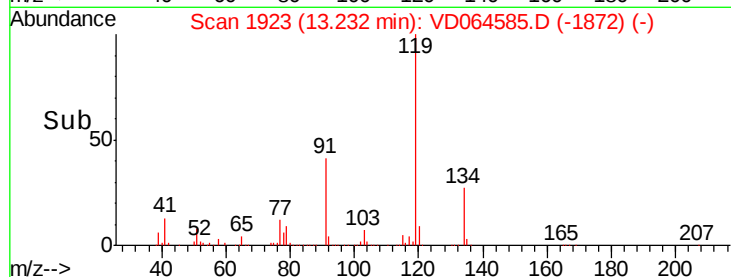
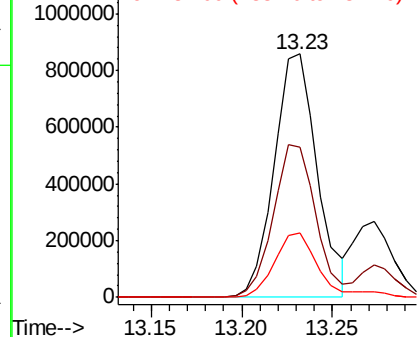
#83
tert-Butylbenzene
Concen: 95.538 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 1427265
Ion Ratio Lower Upper
119 100
91 61.5 30.8 92.4
134 27.5 12.8 38.3

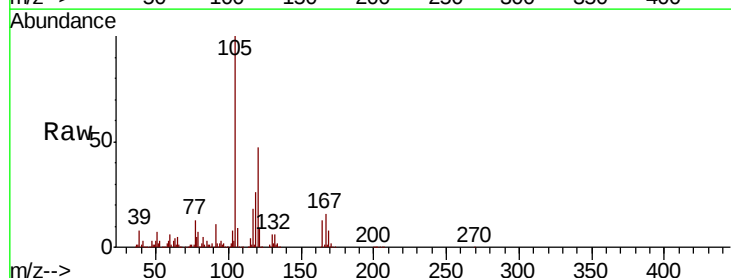


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

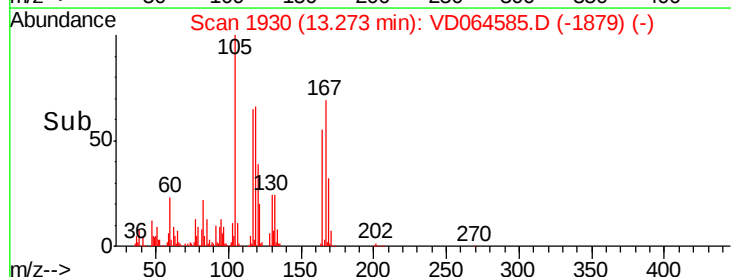
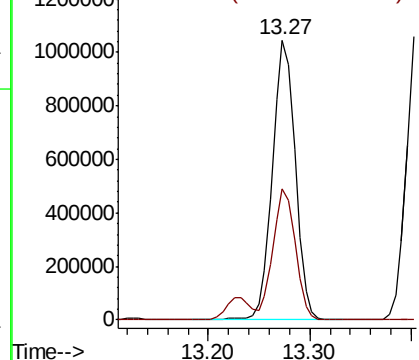


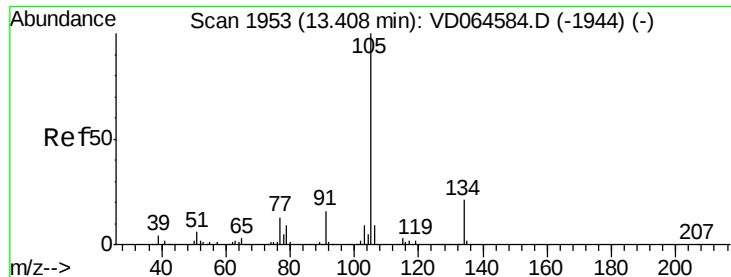
#84
1,2,4-Trimethylbenzene
Concen: 96.103 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:105 Resp: 1642116
Ion Ratio Lower Upper
105 100
120 45.8 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: 95.995 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

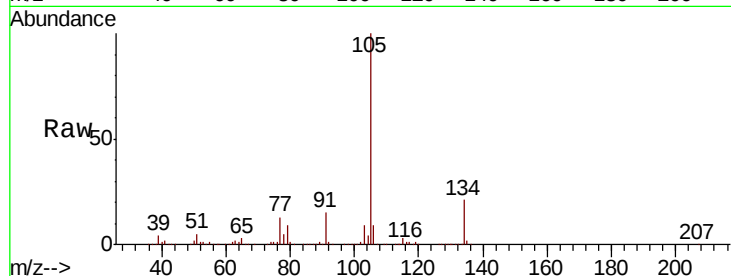
ClientSampled :

Tot Ion:105 Resp: 1967054

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

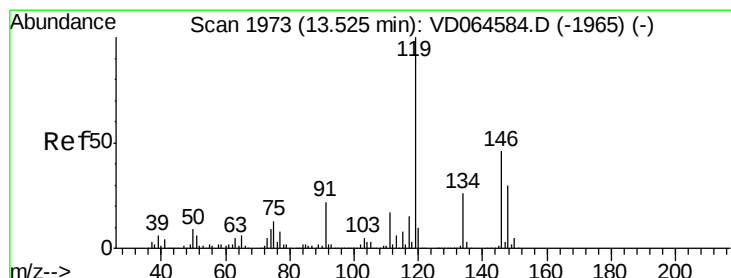
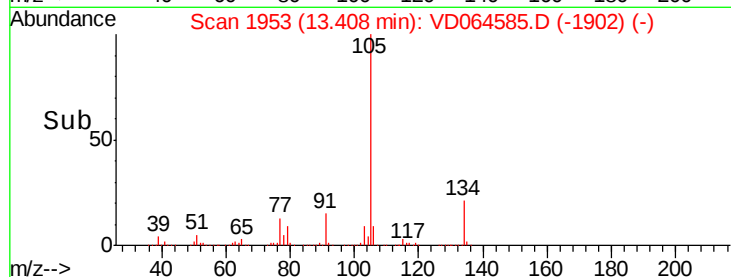
13.41

1000000

500000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 97.946 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

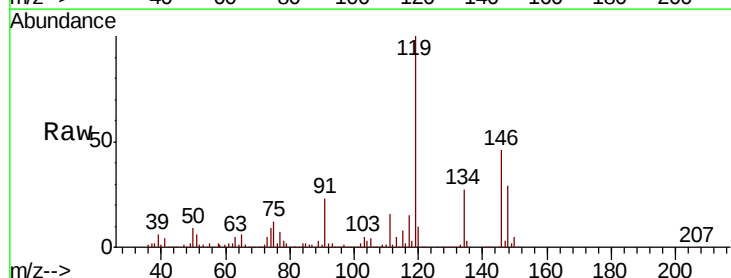
Tgt Ion:119 Resp: 1907416

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.4 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

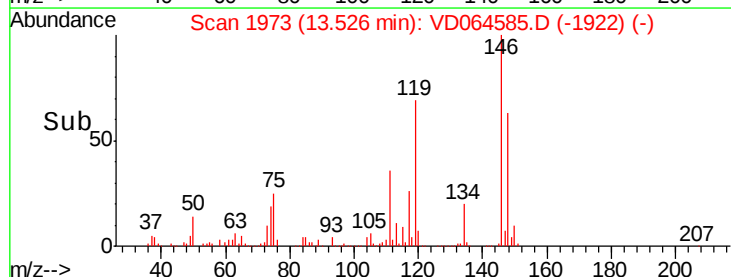
1500000

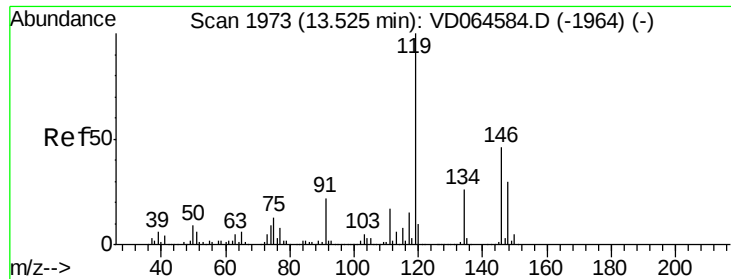
1000000

500000

0

Time--> 13.40 13.50 13.60

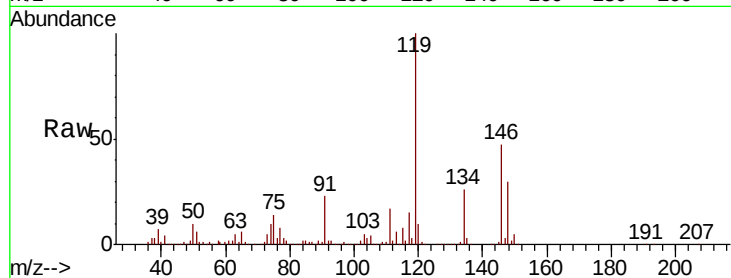




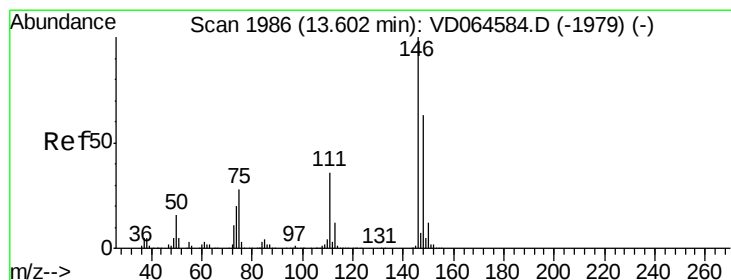
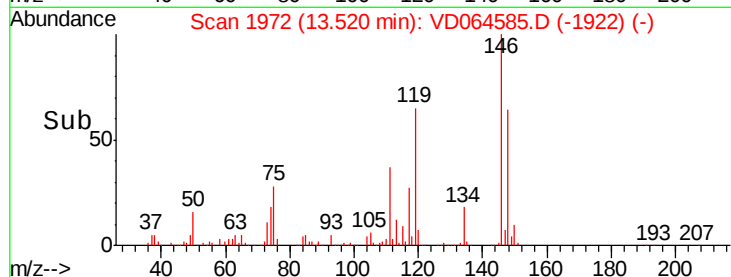
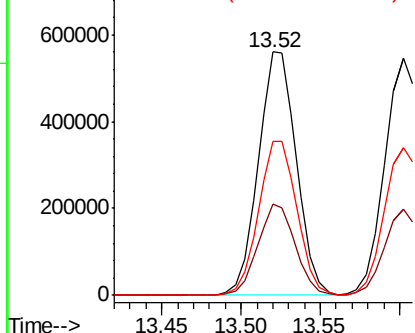
#87
 1,3-Dichlorobenzene
 Concen: 95.055 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 934815
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.8 56.4
 148 64.2 32.5 97.5

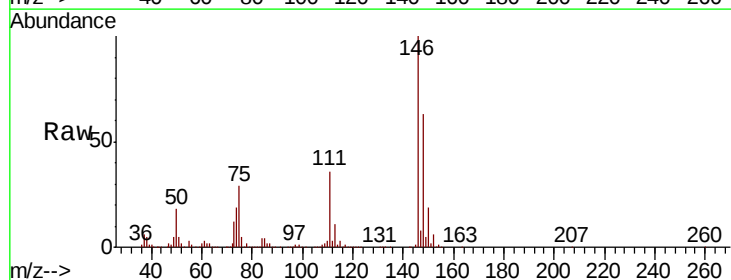


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

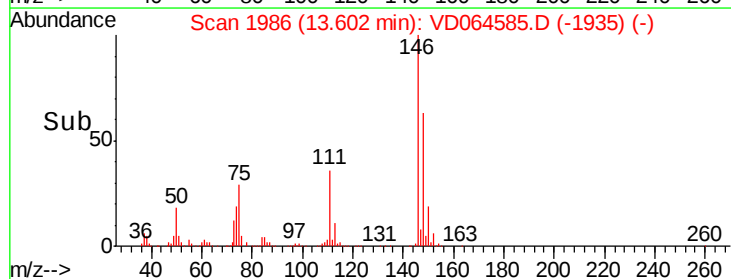
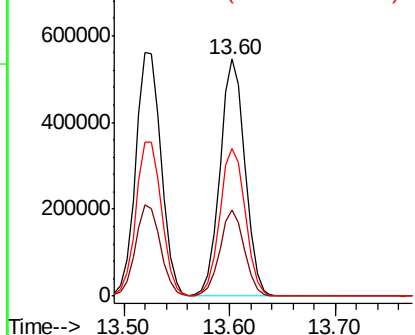


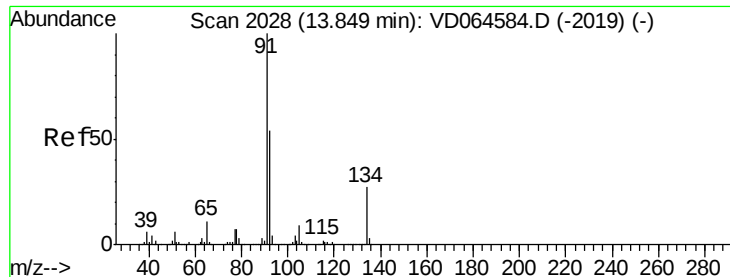
#88
 1,4-Dichlorobenzene
 Concen: 91.701 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion:146 Resp: 896082
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.1 54.1
 148 63.5 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

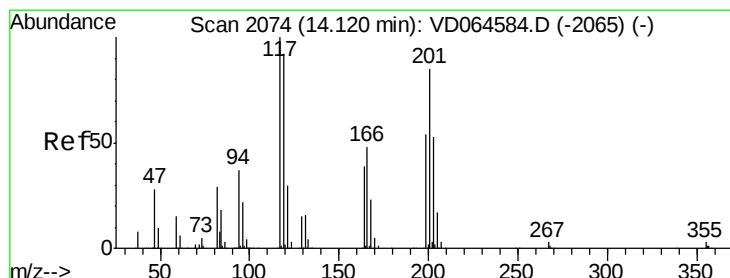
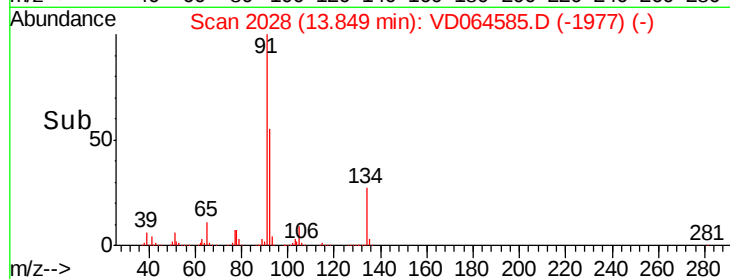
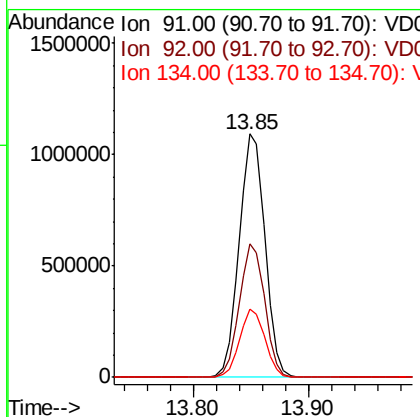
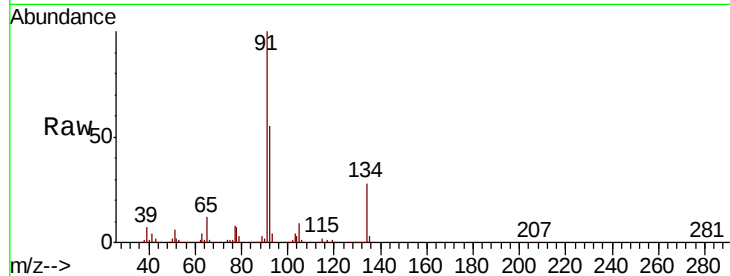




#89
n-Butylbenzene
Concen: 95.801 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

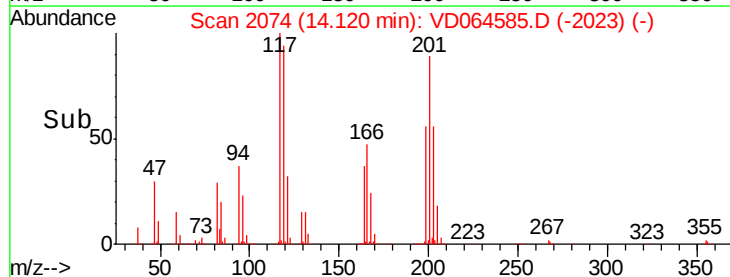
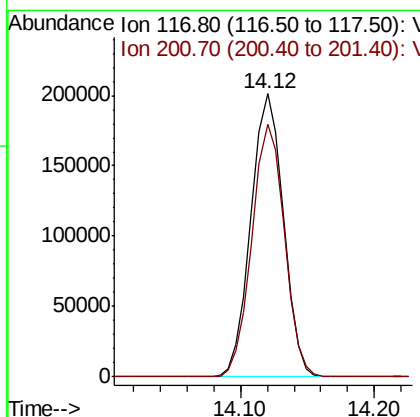
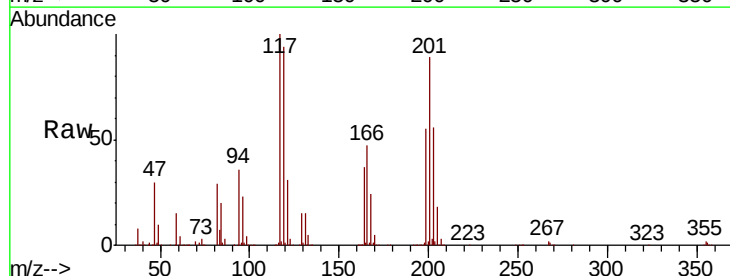
Instrument :
MSVOA_D
ClientSampled :

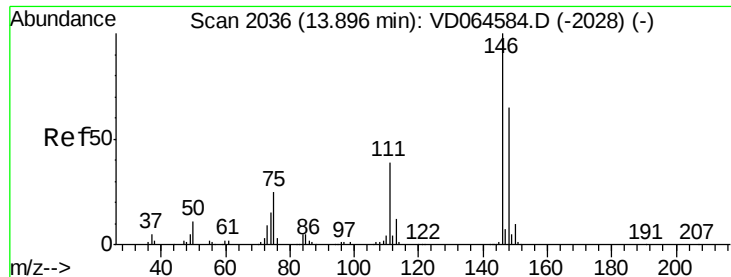
Tot Ion: 91 Resp: 1688649
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.4
134 27.5 14.0 41.9



#90
Hexachloroethane
Concen: 87.871 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 117 Resp: 337705
Ion Ratio Lower Upper
117 100
201 89.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 91.518 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

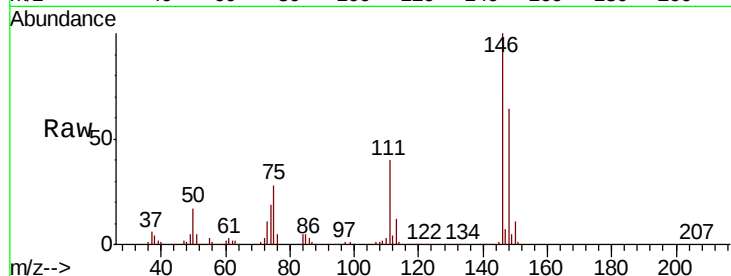
Tot Ion:146 Resp: 776306

Ion Ratio Lower Upper

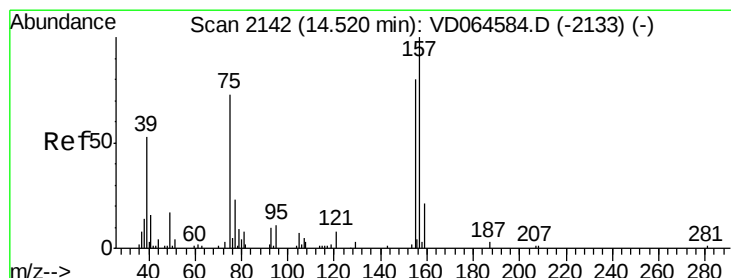
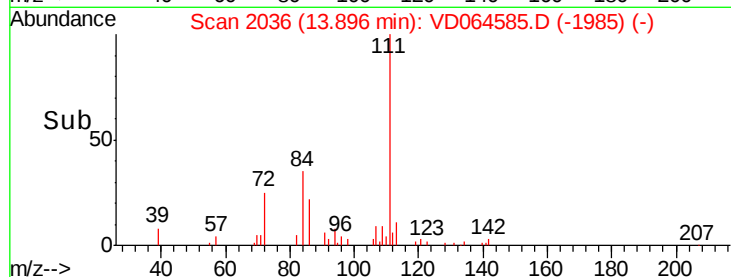
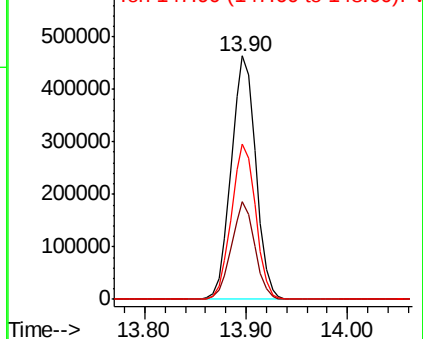
146 100

111 38.1 19.3 57.9

148 63.3 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 86.173 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

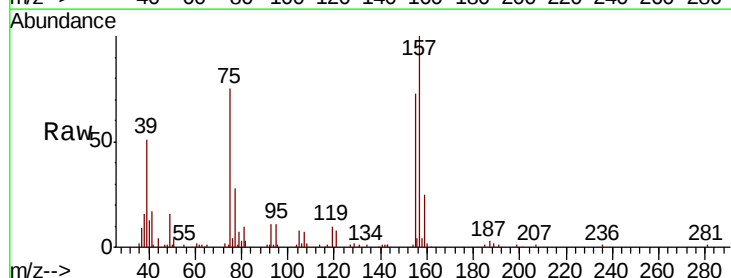
Tgt Ion: 75 Resp: 47672

Ion Ratio Lower Upper

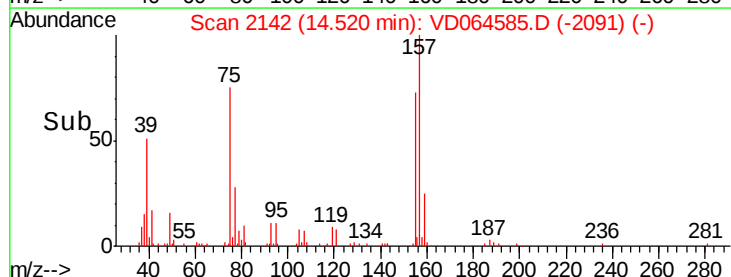
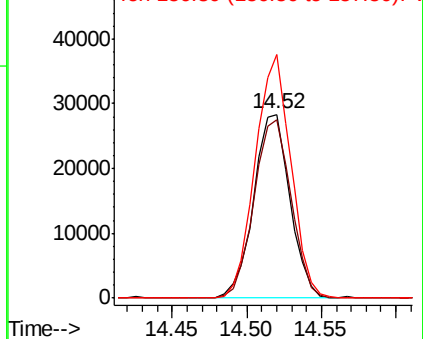
75 100

155 98.9 48.0 144.0

157 129.4 64.1 192.3



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

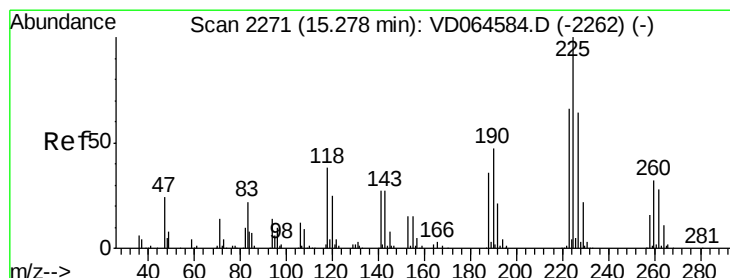
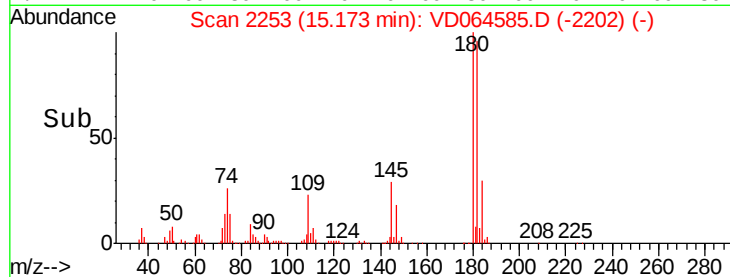
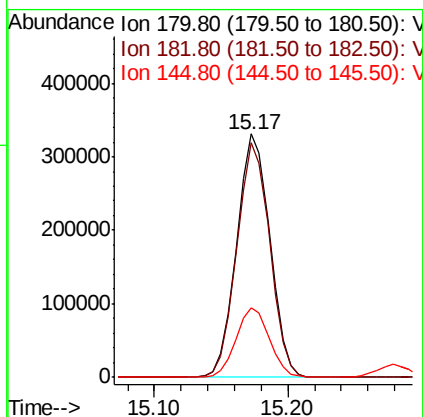
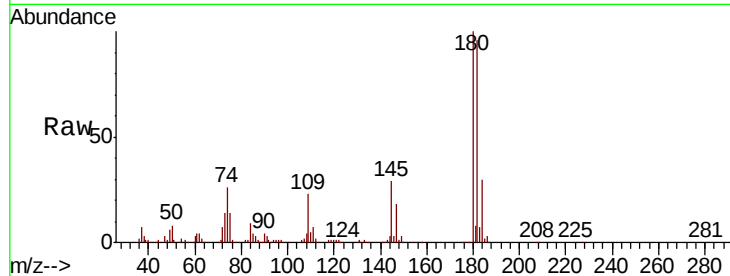




#93
 1,2,4-Trichlorobenzene
 Concen: 91.037 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

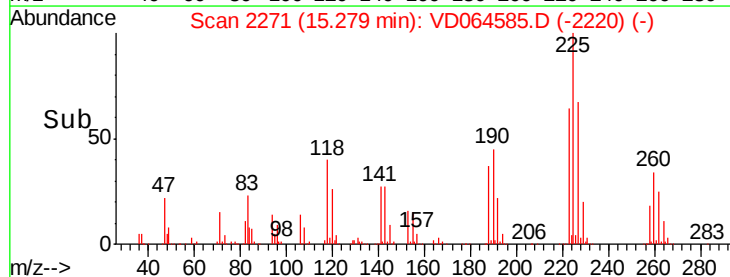
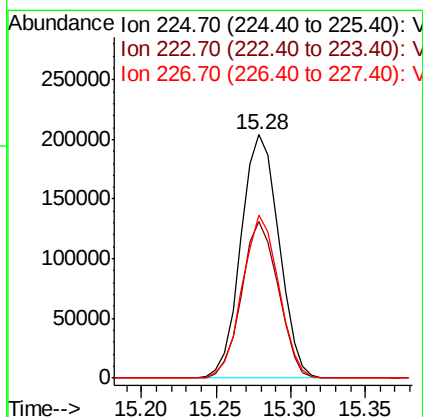
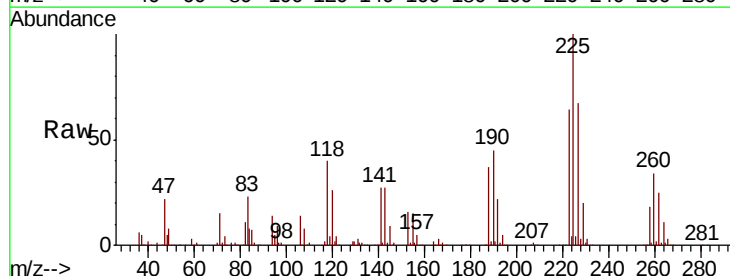
Instrument :
 MSVOA_D
 ClientSampleId :

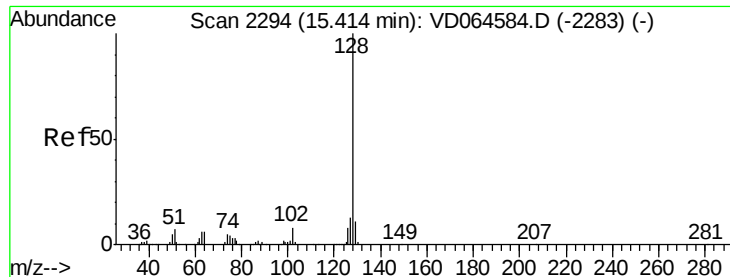
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	28.6	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 91.050 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	64.2	30.9	92.7

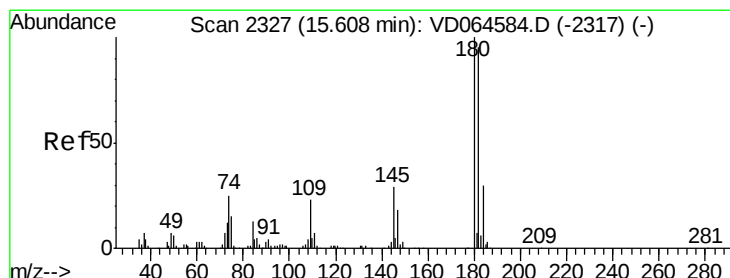
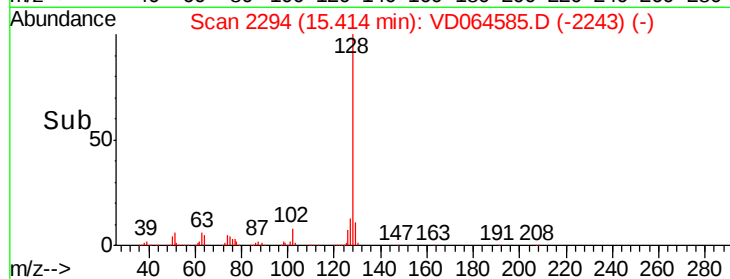
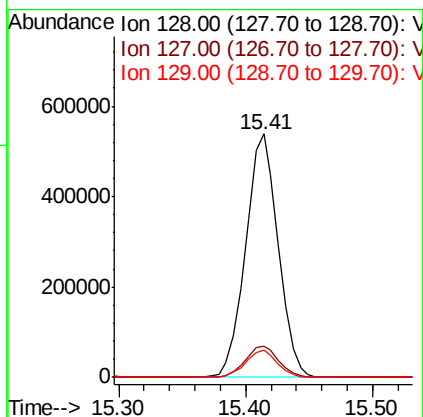
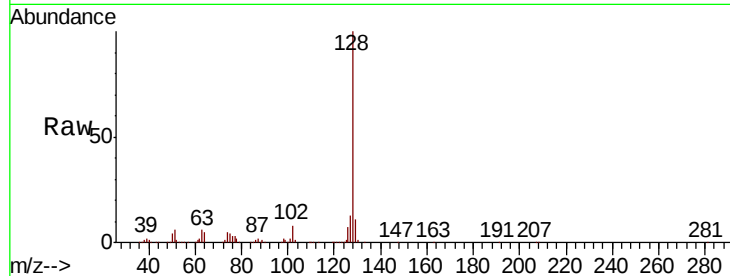




#95
Naphthalene
Concen: 98.974 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 958979
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 92.130 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:180 Resp: 492219
Ion Ratio Lower Upper
180 100
182 95.4 47.9 143.7
145 29.4 14.9 44.7

