

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064581.D
 Acq On : 24 Dec 2019 10:23
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:08:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	528900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253990	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	20769	5.57	ug/l	0.00
Spiked Amount			Recovery	=	11.14%	
35) Dibromofluoromethane	7.93	113	20089	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
50) Toluene-d8	10.34	98	75282	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.64	95	23781	5.13	ug/l	0.00
Spiked Amount			Recovery	=	10.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	17251	4.702	ug/l	98
3) Chloromethane	2.21	50	25231	5.380	ug/l	100
4) Vinyl Chloride	2.35	62	30825	5.690	ug/l	91
5) Bromomethane	2.77	94	23722	5.911	ug/l	96
6) Chloroethane	2.93	64	19342	5.298	ug/l	90
7) Trichlorofluoromethane	3.27	101	51163	5.647	ug/l	100
8) Diethyl Ether	3.70	74	10359	5.550	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20554	5.303	ug/l	97
10) Methyl Iodide	4.30	142	17392	4.274	ug/l	98
11) Tert butyl alcohol	5.24	59	3688	15.786	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	19688	5.321	ug/l	85
13) Acrolein	3.92	56	7702	23.919	ug/l	94
14) Allyl chloride	4.71	41	29410	5.104	ug/l	97
15) Acrylonitrile	5.43	53	19728	24.238	ug/l	97
16) Acetone	4.17	43	23164	31.135	ug/l #	79
17) Carbon Disulfide	4.40	76	64518	5.518	ug/l	98
18) Methyl Acetate	4.73	43	11446	5.258	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	41720	4.945	ug/l #	87
20) Methylene Chloride	4.96	84	28832	6.697	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	22370	5.359	ug/l	97
22) Diisopropyl ether	6.37	45	59209	5.191	ug/l #	94
23) Vinyl Acetate	6.31	43	151985	22.701	ug/l	97
24) 1,1-Dichloroethane	6.27	63	35889	5.246	ug/l	94
25) 2-Butanone	7.22	43	25998	24.665	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	35864	5.954	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	23747	5.214	ug/l	95
28) Bromochloromethane	7.55	49	14848	6.175	ug/l	93
29) Tetrahydrofuran	7.57	42	16023	23.826	ug/l	97
30) Chloroform	7.71	83	38591	5.440	ug/l	96
31) Cyclohexane	7.98	56	41834	6.202	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	35874	5.434	ug/l	98
36) 1,1-Dichloropropene	8.11	75	31525	5.490	ug/l	98
37) Ethyl Acetate	7.31	43	11393	4.727	ug/l #	88
38) Carbon Tetrachloride	8.10	117	31181	5.154	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064581.D
 Acq On : 24 Dec 2019 10:23
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:08:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35409	5.003	ug/l	96
40) Benzene	8.36	78	81555	5.157	ug/l	97
41) Methacrylonitrile	7.53	41	6513	4.777	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	23707	5.136	ug/l	98
43) Isopropyl Acetate	8.46	43	23682	5.013	ug/l	99
44) Trichloroethene	9.11	130	25238	5.298	ug/l	100
45) 1,2-Dichloropropane	9.39	63	20121	5.336	ug/l	96
46) Dibromomethane	9.47	93	10601	4.964	ug/l	88
47) Bromodichloromethane	9.66	83	30413	5.533	ug/l	97
48) Methyl methacrylate	9.46	41	11594	5.289	ug/l	96
49) 1,4-Dioxane	9.47	88	2376	90.645	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	56247	24.044	ug/l	99
52) Toluene	10.40	92	52724	5.091	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	25397	4.859	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	30227	4.867	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	15080	5.169	ug/l	97
56) Ethyl methacrylate	10.66	69	16815	4.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	25438	5.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	37839	25.752	ug/l	98
59) 2-Hexanone	10.98	43	37265	22.957	ug/l	98
60) Dibromochloromethane	11.14	129	20693	5.219	ug/l	99
61) 1,2-Dibromoethane	11.25	107	14280	4.907	ug/l	98
64) Tetrachloroethene	10.87	164	22103	5.483	ug/l	90
65) Chlorobenzene	11.67	112	56091	5.064	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	21291	5.203	ug/l	98
67) Ethyl Benzene	11.74	91	102041	5.168	ug/l	96
68) m/p-Xylenes	11.86	106	77983	10.330	ug/l	97
69) o-Xylene	12.18	106	35217	5.076	ug/l	96
70) Styrene	12.20	104	59289	4.908	ug/l	99
71) Bromoform	12.36	173	12152	4.975	ug/l #	87
73) Isopropylbenzene	12.48	105	93886	5.125	ug/l	100
74) N-amyl acetate	12.29	43	18885	4.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15500	5.177	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	11948	5.837	ug/l #	100
77) Bromobenzene	12.77	156	23008	5.109	ug/l	99
78) n-propylbenzene	12.83	91	108337	5.122	ug/l	99
79) 2-Chlorotoluene	12.91	91	62513	5.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	75407	5.037	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5250	5.483	ug/l	90
82) 4-Chlorotoluene	13.01	91	65418	5.310	ug/l	97
83) tert-Butylbenzene	13.23	119	66300	5.091	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	75267	5.001	ug/l	96
85) sec-Butylbenzene	13.41	105	89810	5.032	ug/l	97
86) p-Isopropyltoluene	13.52	119	85245	5.038	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	45442	5.304	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	45572	5.385	ug/l	94
89) n-Butylbenzene	13.85	91	75083	4.903	ug/l	99
90) Hexachloroethane	14.13	117	18098	5.712	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	38827	5.317	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2593	5.140	ug/l	80

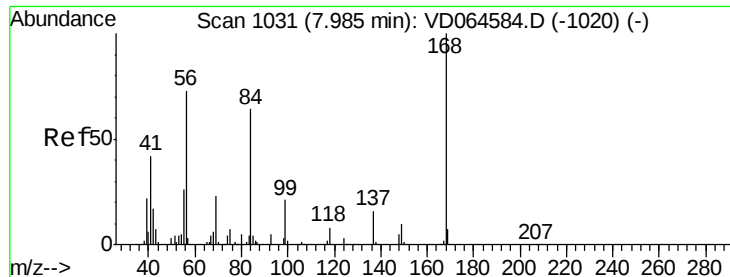
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122419\
Data File : VD064581.D
Acq On : 24 Dec 2019 10:23
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 24 12:08:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 12:06:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	28489	5.106	ug/l	99
94) Hexachlorobutadiene	15.28	225	17908	5.213	ug/l	96
95) Naphthalene	15.41	128	41809	4.515	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	23559	4.960	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

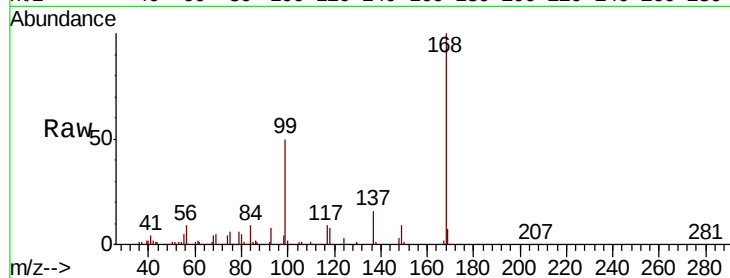
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 410885

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

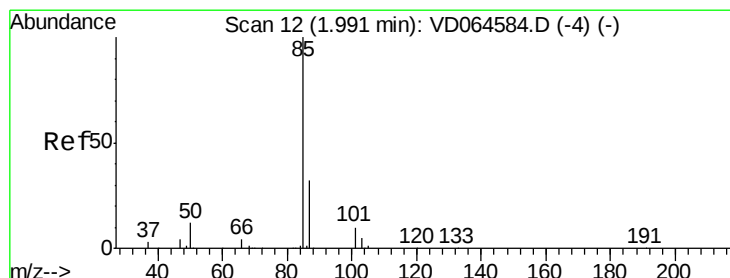
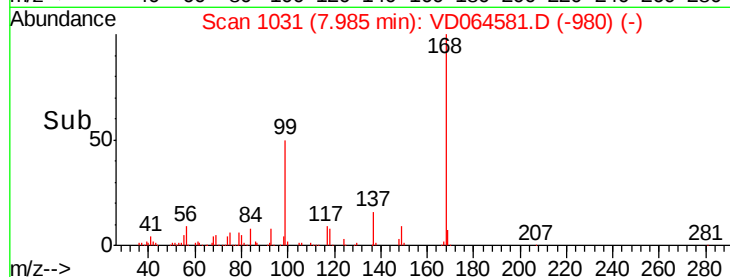
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.702 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064581.D

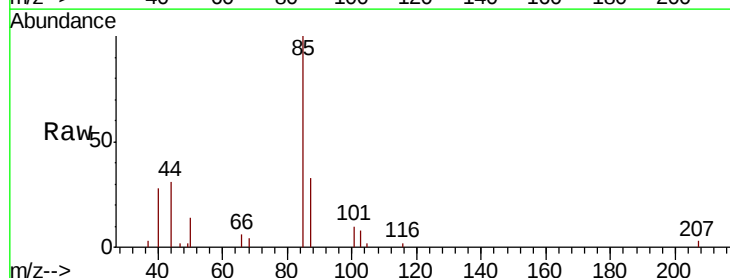
Acq: 24 Dec 2019 10:23

Tgt Ion: 85 Resp: 17251

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

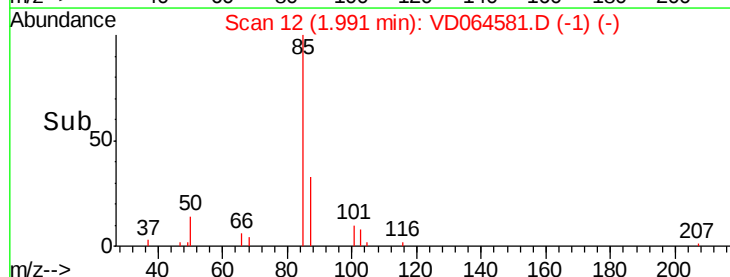
1.99

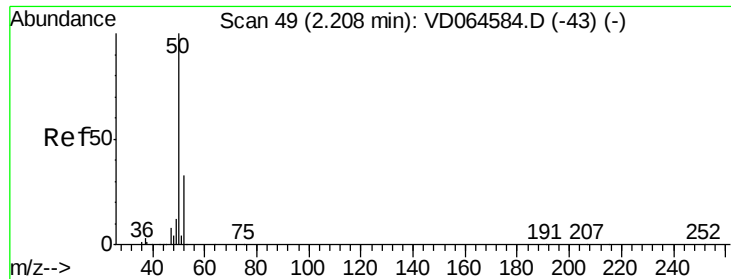
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

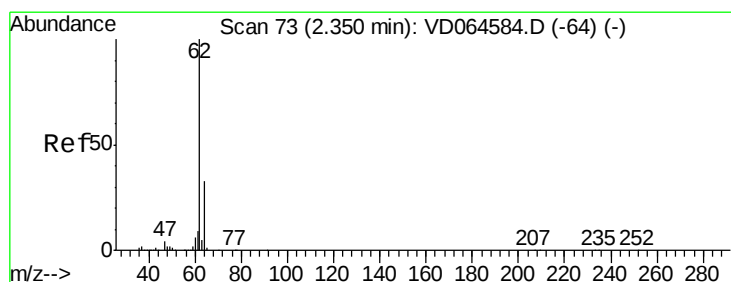
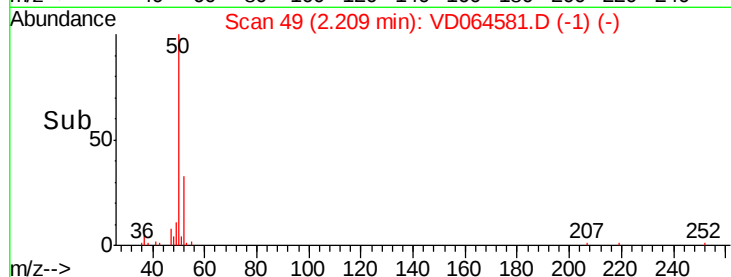
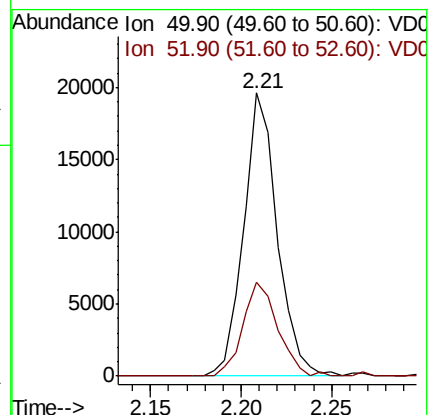
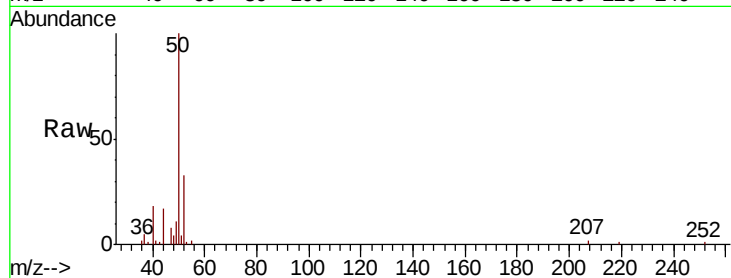
ClientSampleId :

Tot Ion: 50 Resp: 25231

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 5.690 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064581.D

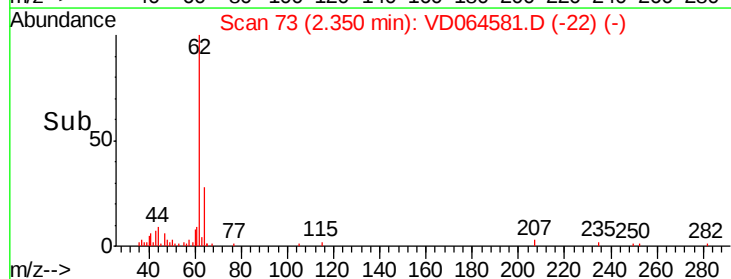
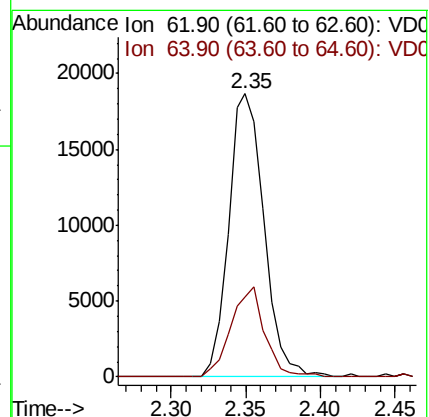
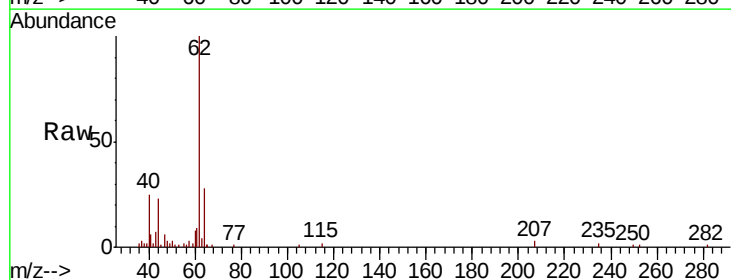
Acq: 24 Dec 2019 10:23

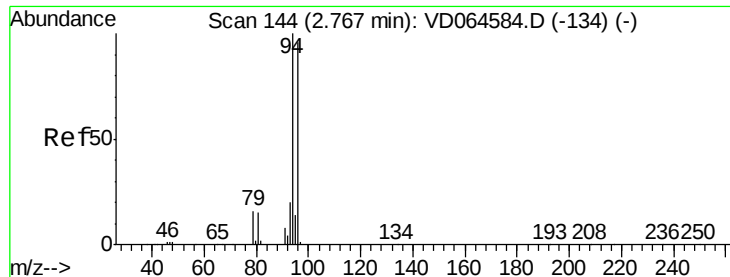
Tgt Ion: 62 Resp: 30825

Ion Ratio Lower Upper

62 100

64 28.0 26.6 40.0





#5

Bromomethane

Concen: 5.911 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

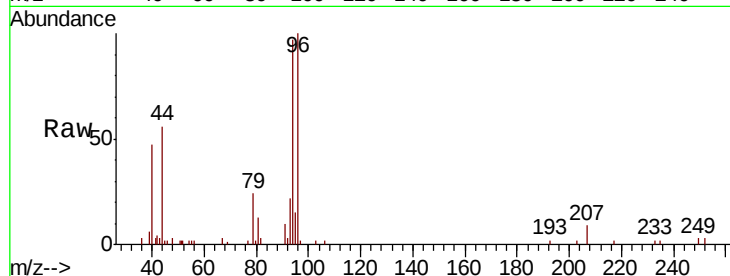
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 23722

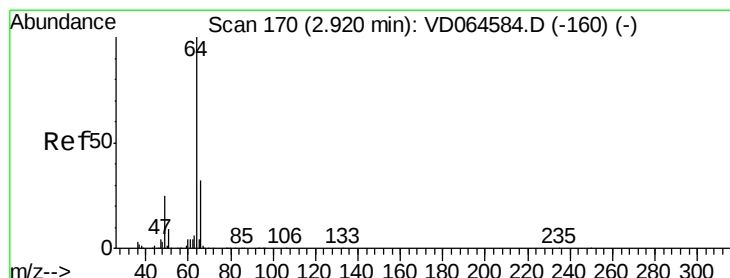
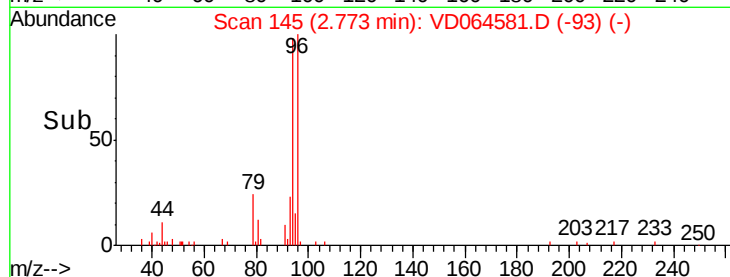
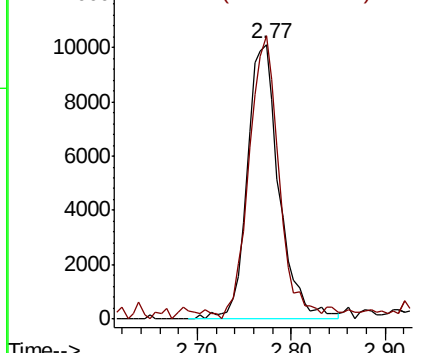
Ion Ratio Lower Upper

94 100

96 100.4 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: 5.298 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064581.D

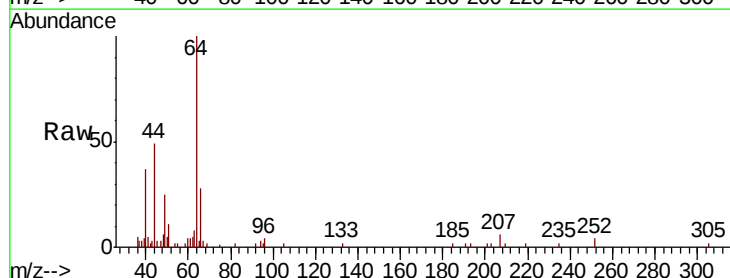
Acq: 24 Dec 2019 10:23

Tgt Ion: 64 Resp: 19342

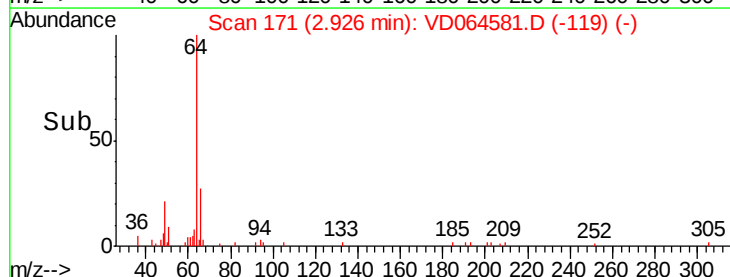
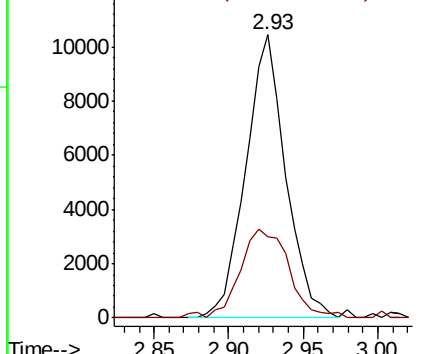
Ion Ratio Lower Upper

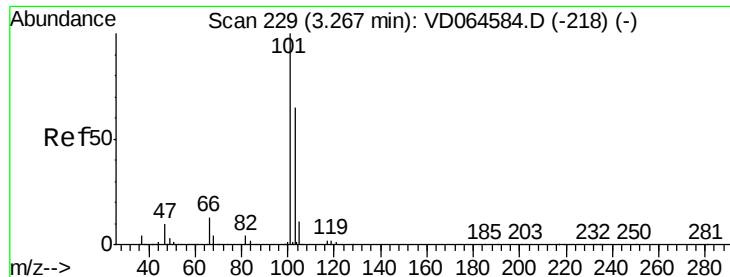
64 100

66 26.9 25.9 38.9



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



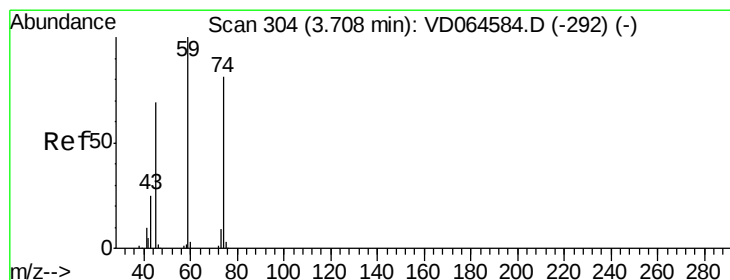
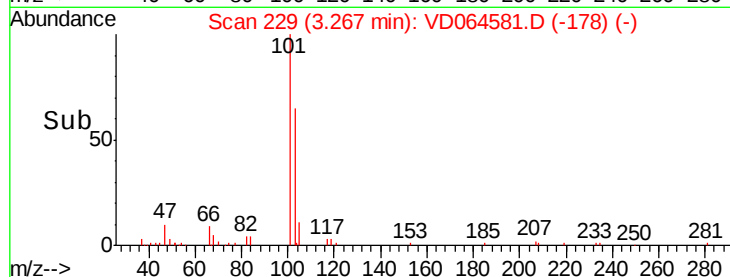
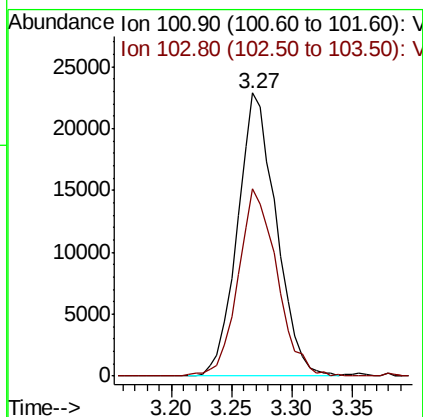
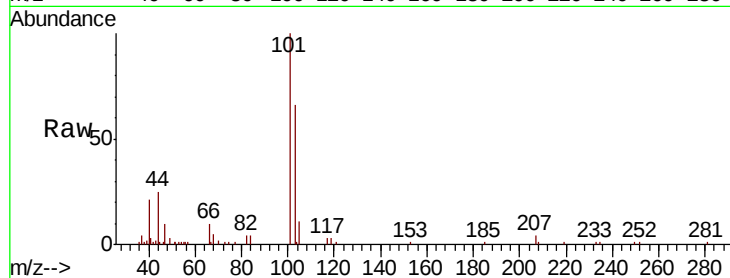


#7

Trichlorofluoromethane
Concen: 5.647 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

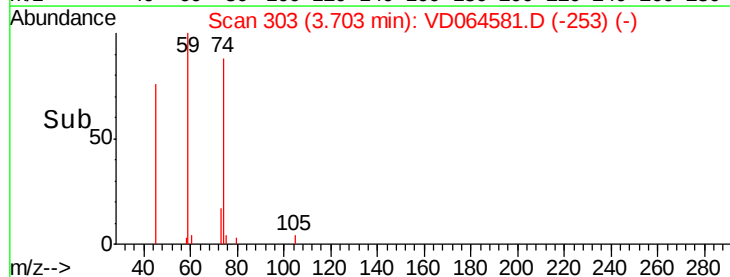
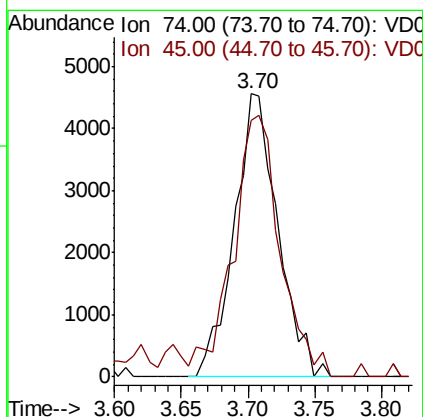
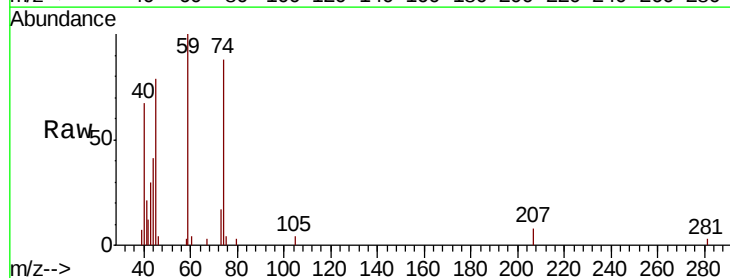
Tot Ion:101 Resp: 51163
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.4

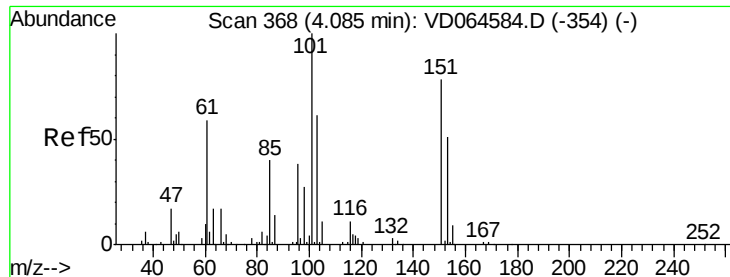


#8

Diethyl Ether
Concen: 5.550 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 74 Resp: 10359
Ion Ratio Lower Upper
74 100
45 99.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.303 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

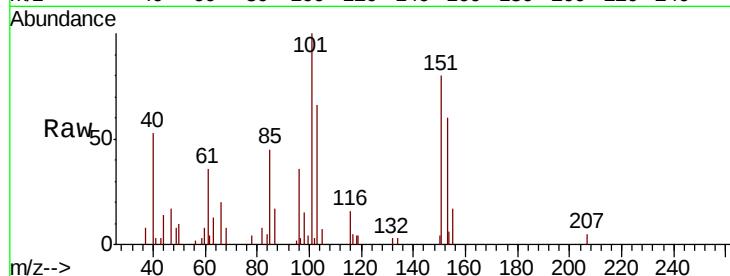
Tot Ion:101 Resp: 20554

Ion Ratio Lower Upper

101 100

85 47.9 35.2 52.8

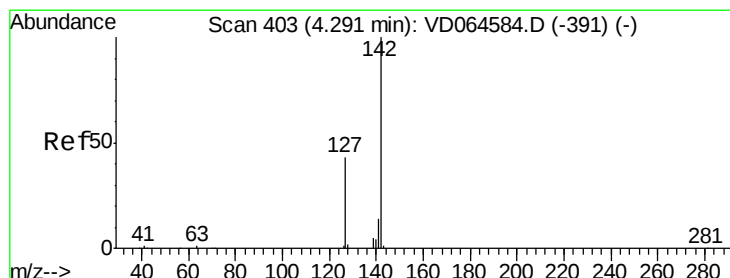
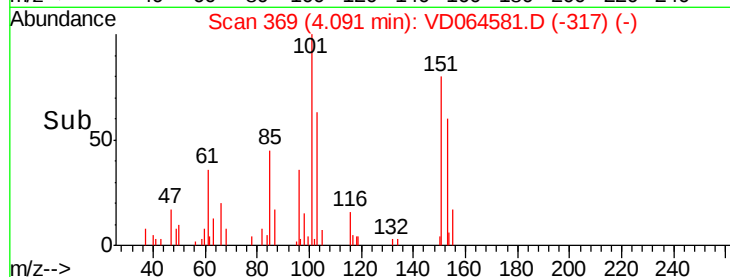
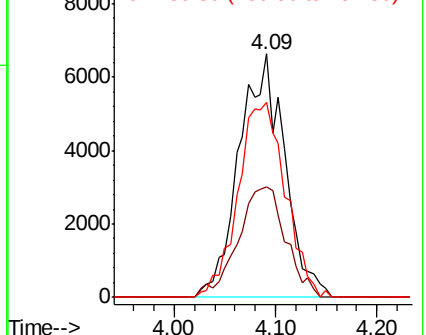
151 83.5 66.2 99.4



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: 4.274 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

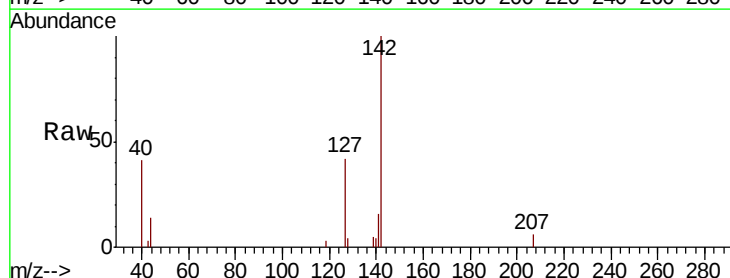
Tgt Ion:142 Resp: 17392

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

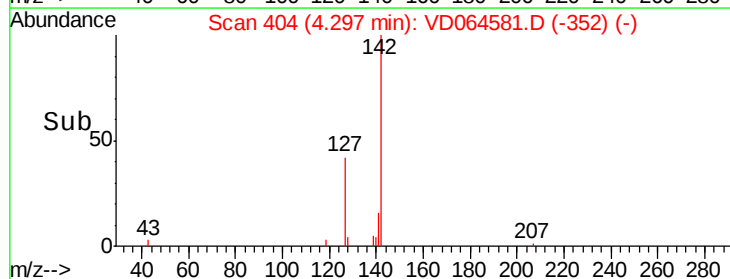
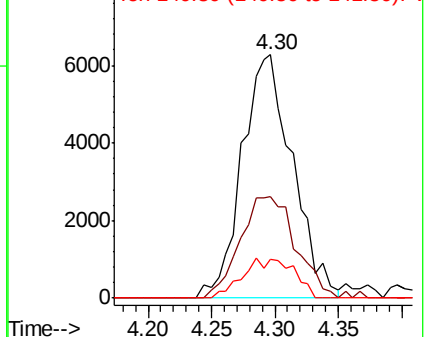
141 16.5 11.8 17.8

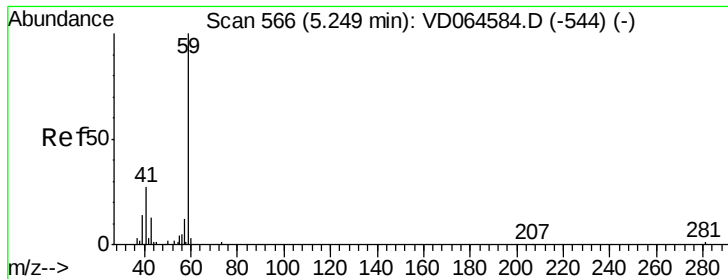


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

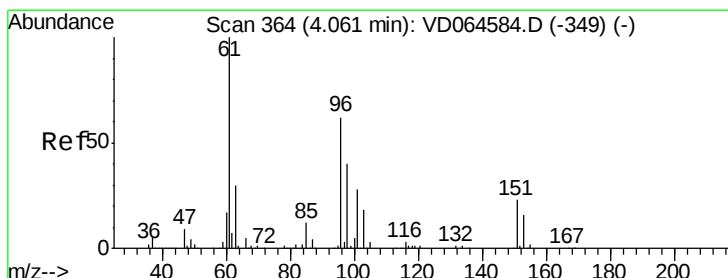
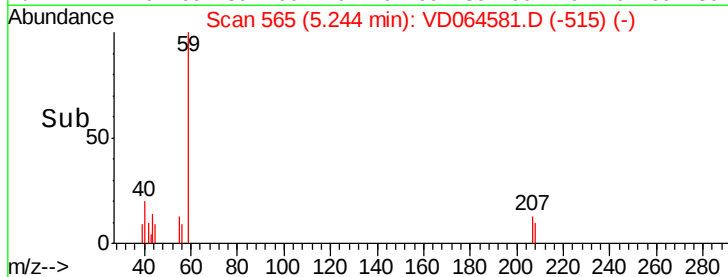
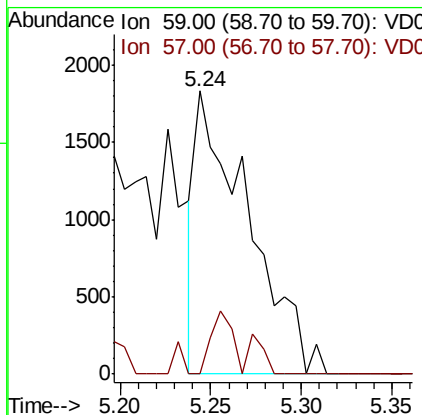
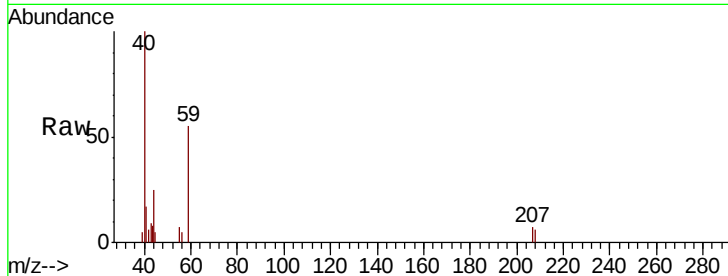




#11
Tert butyl alcohol
Concen: 15.786 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

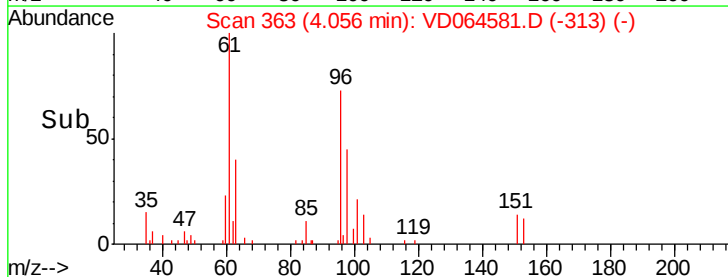
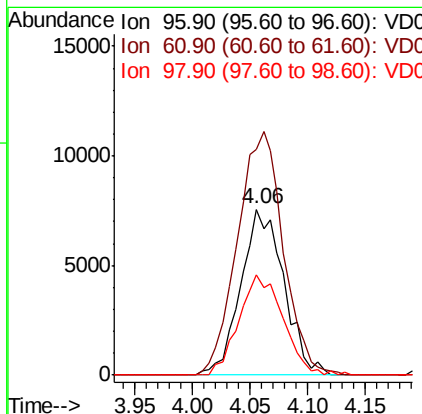
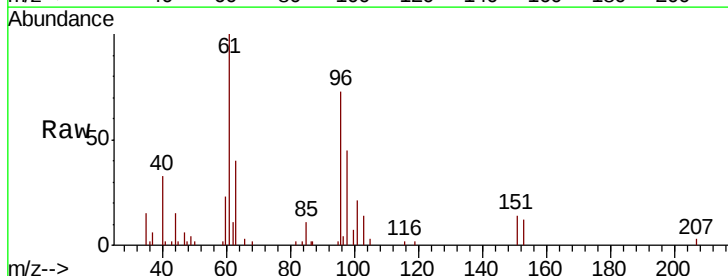
Instrument :
MSVOA_D
ClientSampleId :

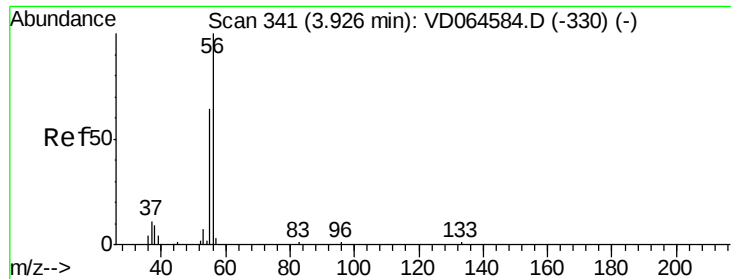
Tot Ion: 59 Resp: 3688
Ion Ratio Lower Upper
59 100
57 8.9 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 5.321 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 96 Resp: 19688
Ion Ratio Lower Upper
96 100
61 136.1 129.4 194.0
98 60.7 51.4 77.0





#13

Acrolein

Concen: 23.919 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

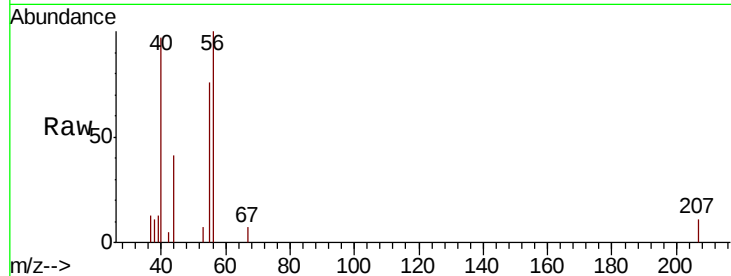
ClientSampleId :

Tot Ion: 56 Resp: 7702

Ion Ratio Lower Upper

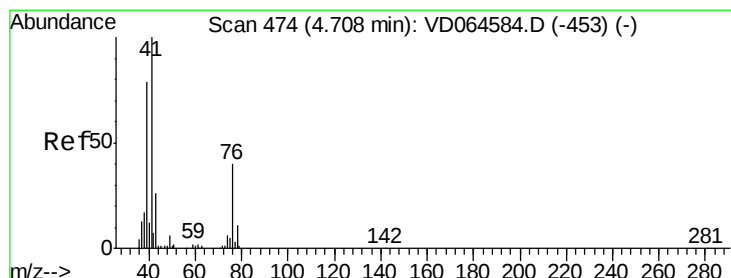
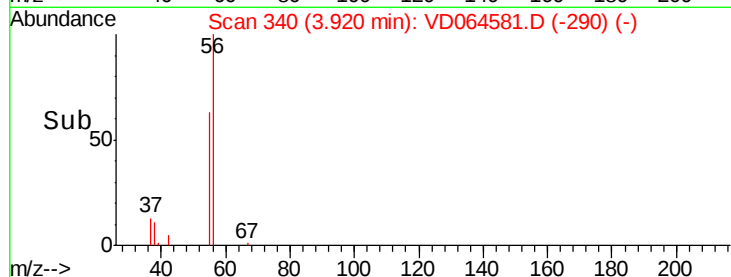
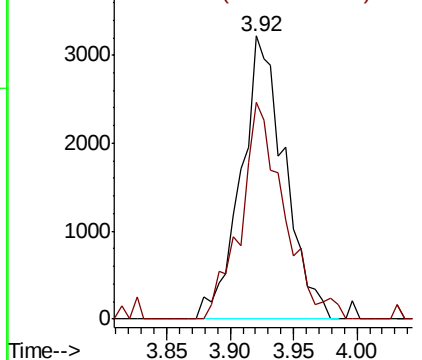
56 100

55 76.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.104 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

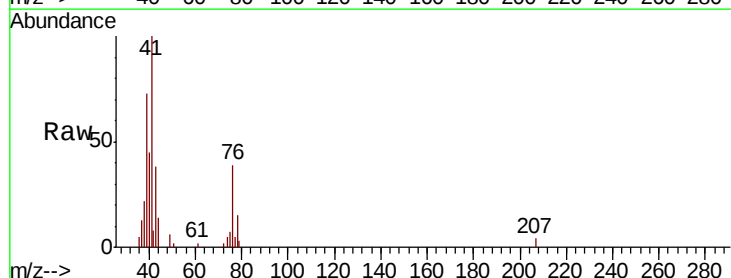
Tgt Ion: 41 Resp: 29410

Ion Ratio Lower Upper

41 100

39 80.2 62.3 93.5

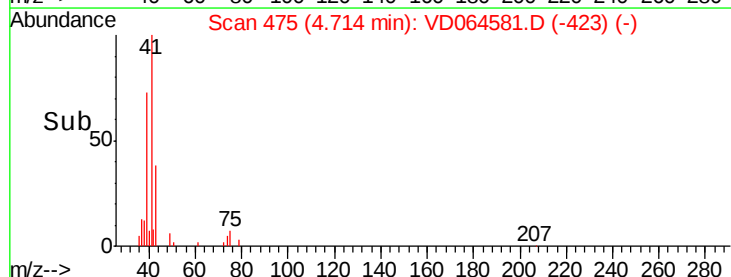
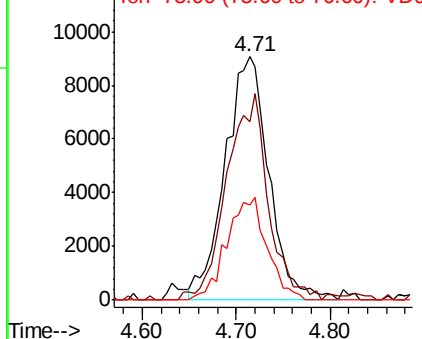
76 38.6 29.7 44.5

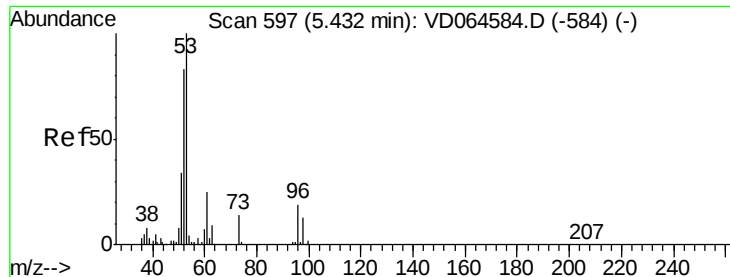


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.238 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

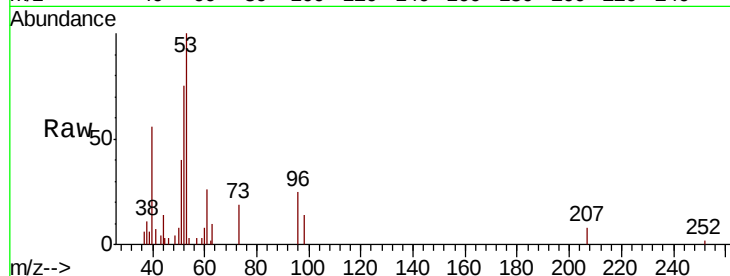
Tot Ion: 53 Resp: 19728

Ion Ratio Lower Upper

53 100

52 80.9 66.2 99.2

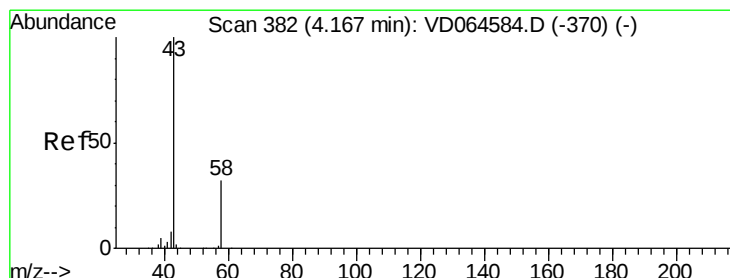
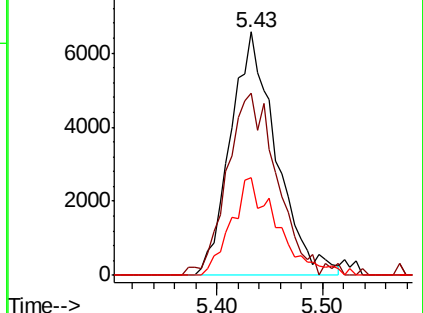
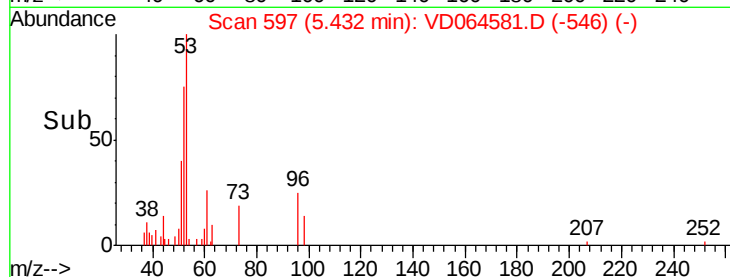
51 40.9 30.1 45.1



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: 31.135 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064581.D

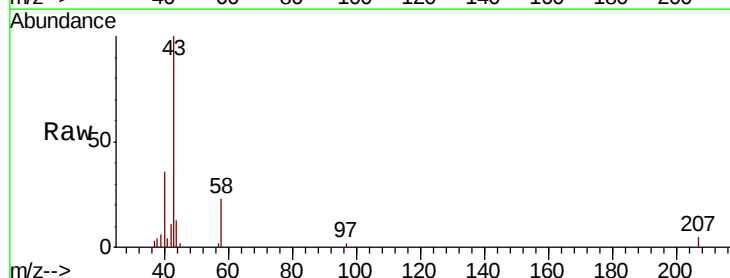
Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 23164

Ion Ratio Lower Upper

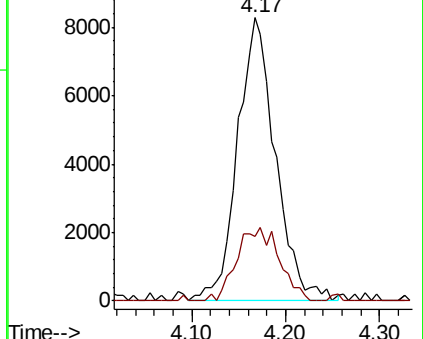
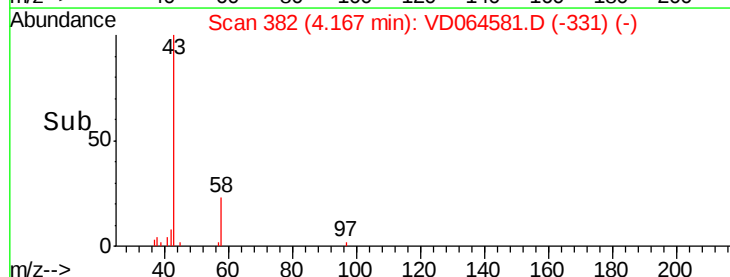
43 100

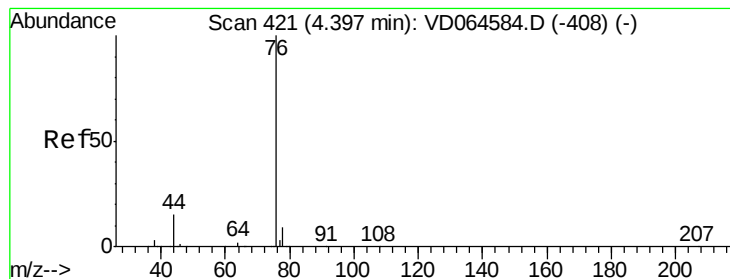
58 20.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.518 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

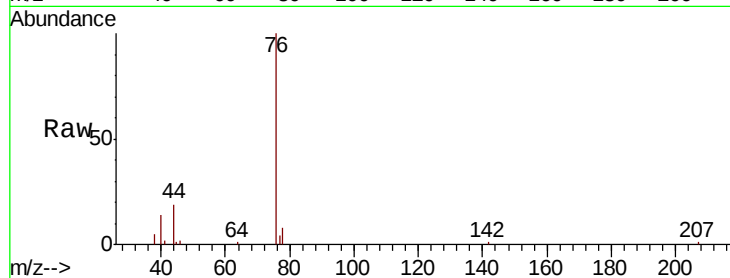
ClientSampleId :

Tot Ion: 76 Resp: 64518

Ion Ratio Lower Upper

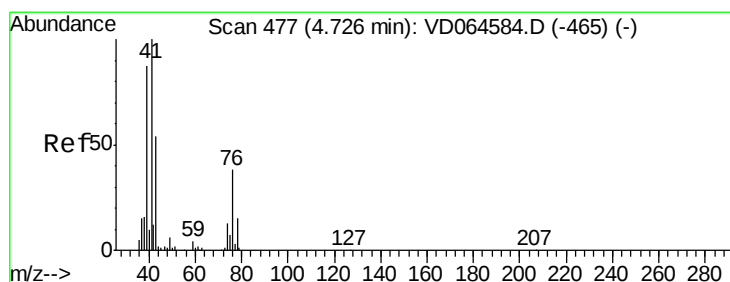
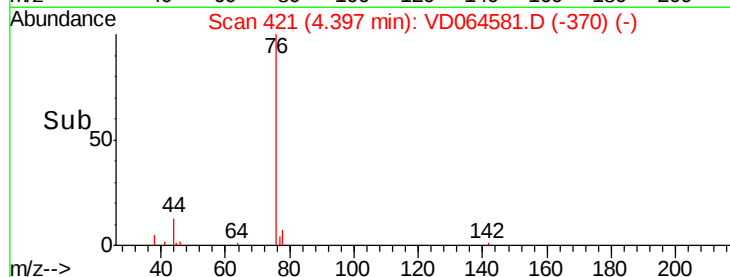
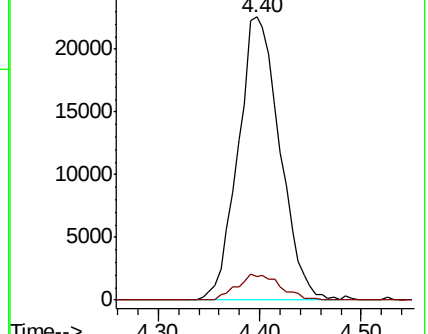
76 100

78 8.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.258 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064581.D

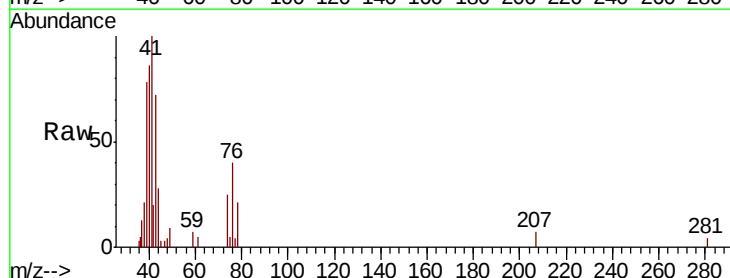
Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 11446

Ion Ratio Lower Upper

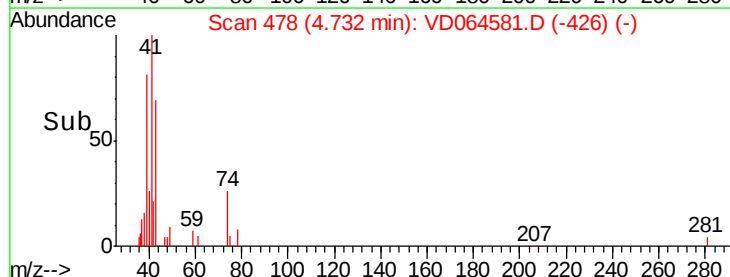
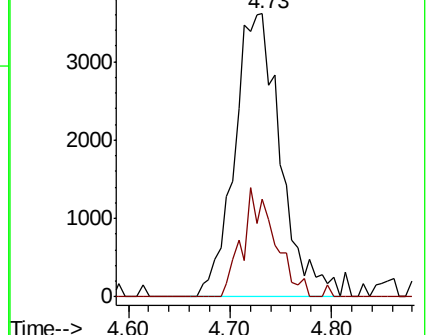
43 100

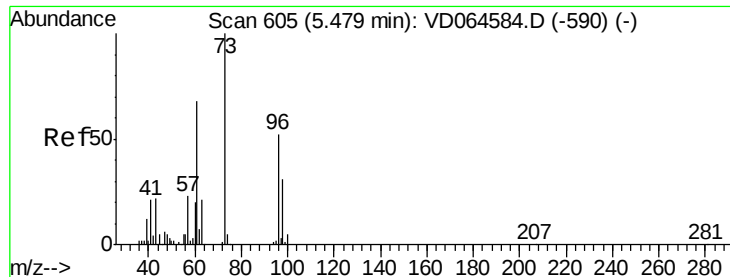
74 27.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



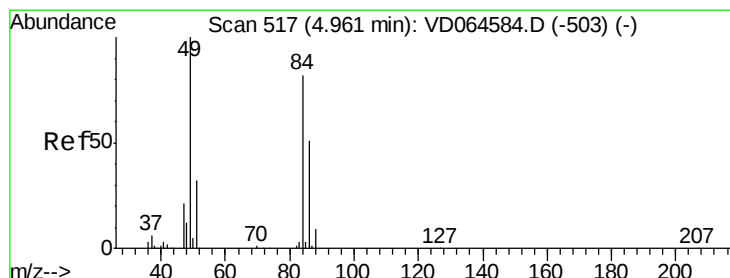
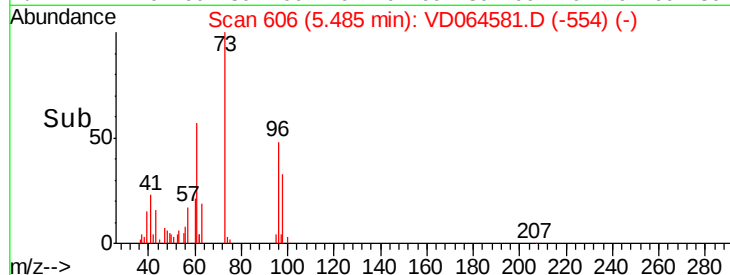
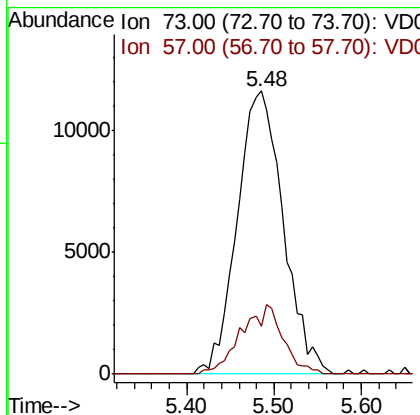
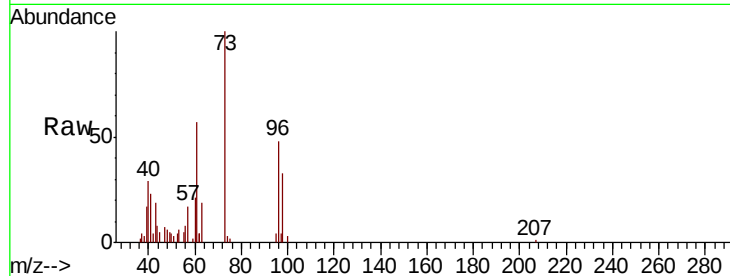


#19

Methyl tert-butyl Ether
 Concen: 4.945 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :

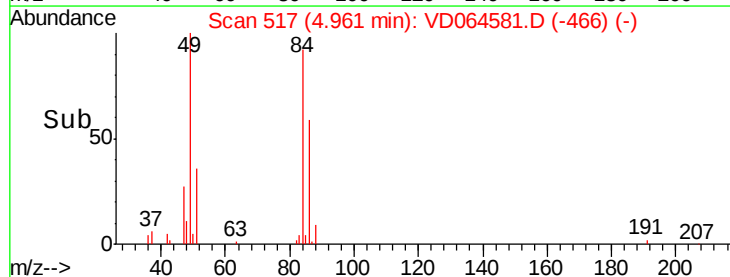
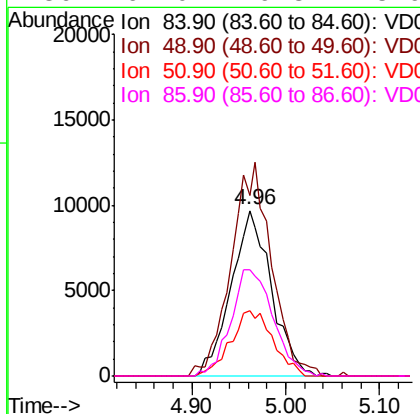
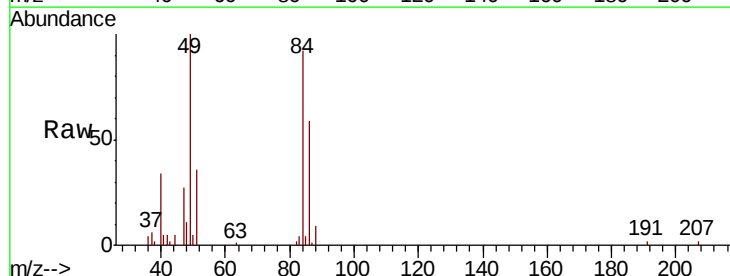
Tot Ion: 73 Resp: 41720
 Ion Ratio Lower Upper
 73 100
 57 17.0 18.6 27.8#

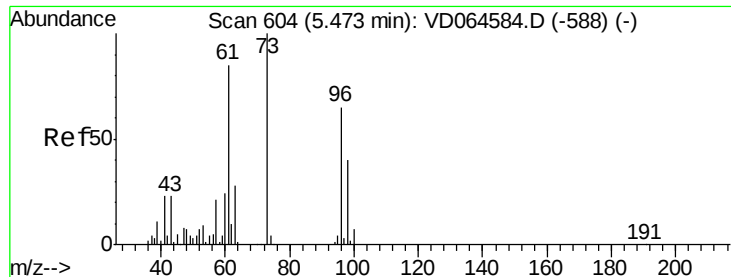


#20

Methylene Chloride
 Concen: 6.697 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 84 Resp: 28832
 Ion Ratio Lower Upper
 84 100
 49 108.6 97.2 145.8
 51 39.5 31.4 47.0
 86 64.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 5.359 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

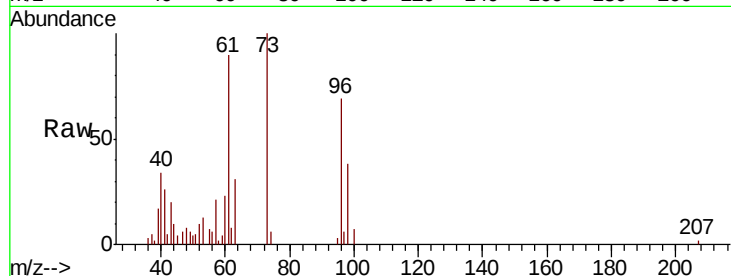
Tot Ion: 96 Resp: 22370

Ion Ratio Lower Upper

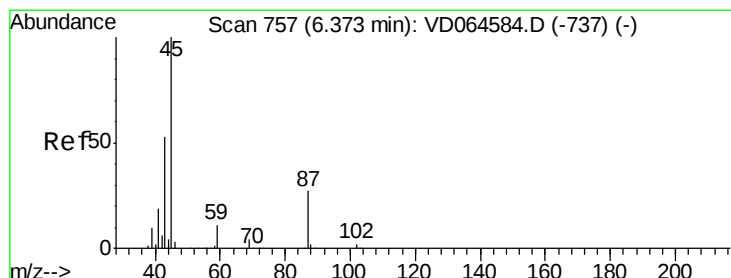
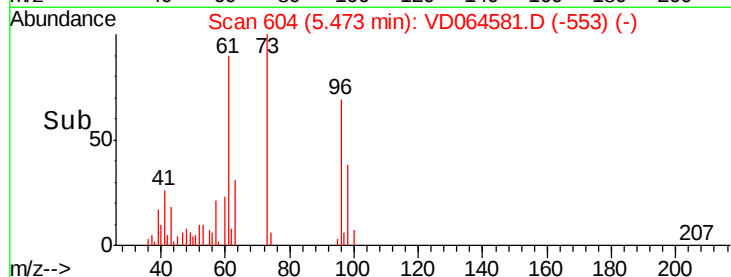
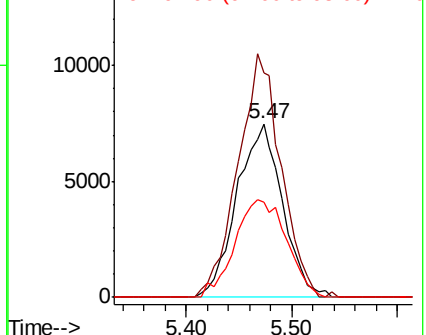
96 100

61 129.8 104.7 157.1

98 55.2 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: 5.191 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 45 Resp: 59209

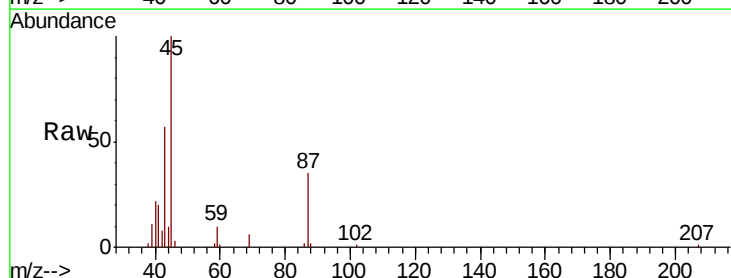
Ion Ratio Lower Upper

45 100

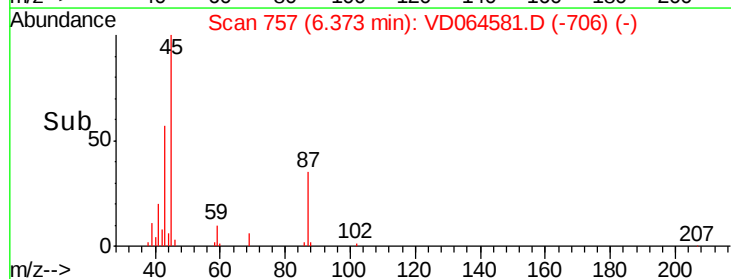
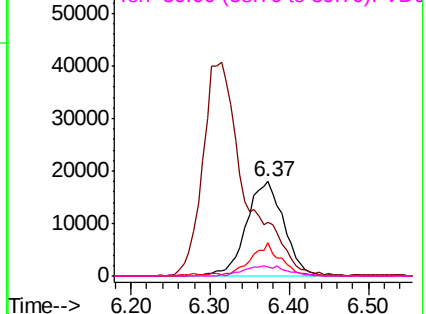
43 56.2 43.2 64.8

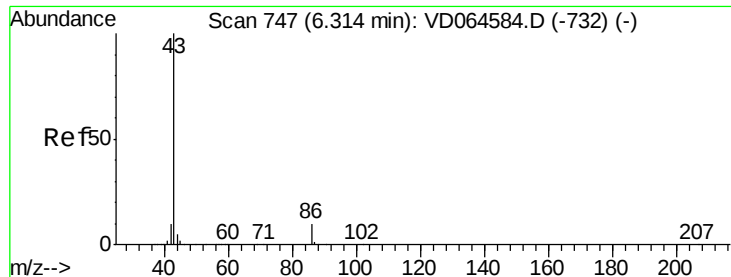
87 34.6 21.9 32.9#

59 10.1 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: 22.701 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

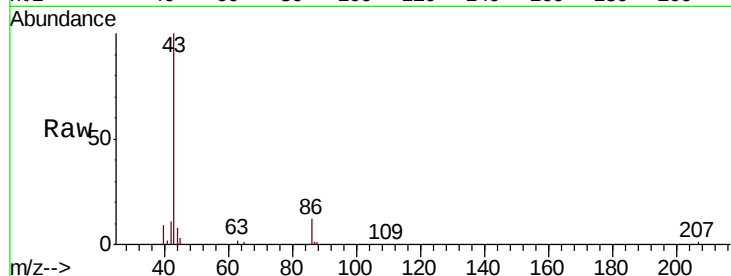
ClientSampleId :

Tot Ion: 43 Resp: 151985

Ion Ratio Lower Upper

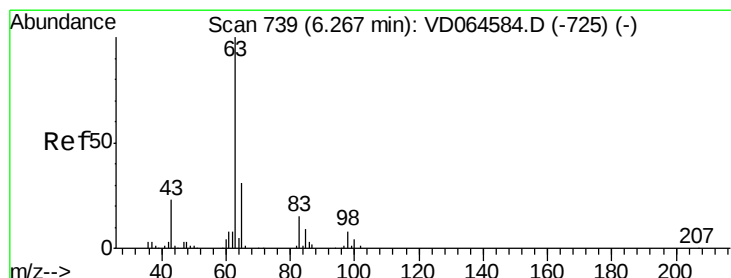
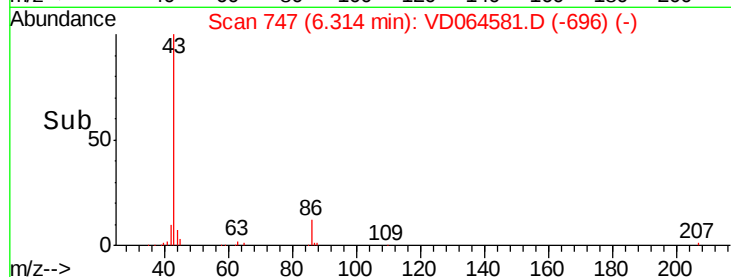
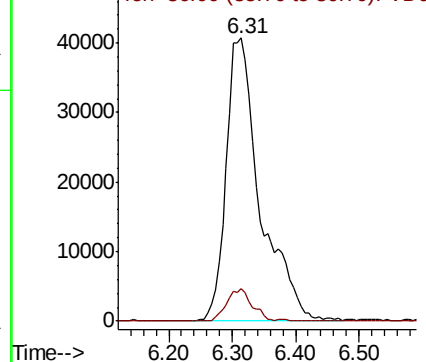
43 100

86 11.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.246 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

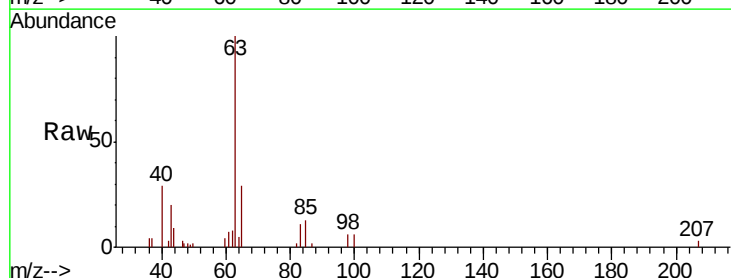
Tgt Ion: 63 Resp: 35889

Ion Ratio Lower Upper

63 100

98 6.1 4.1 12.3

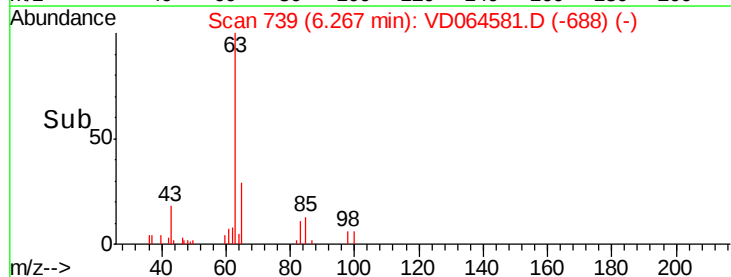
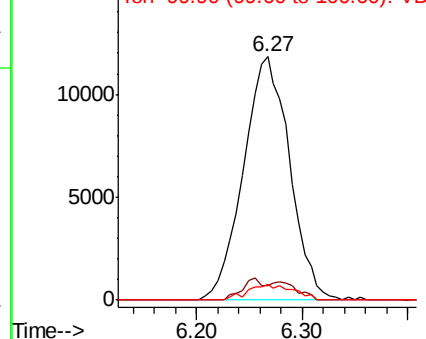
100 6.3 2.2 6.6

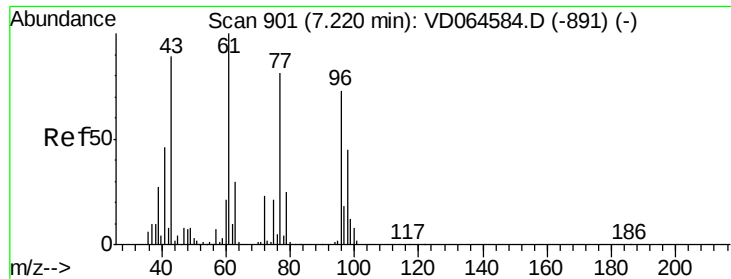


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 24.665 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

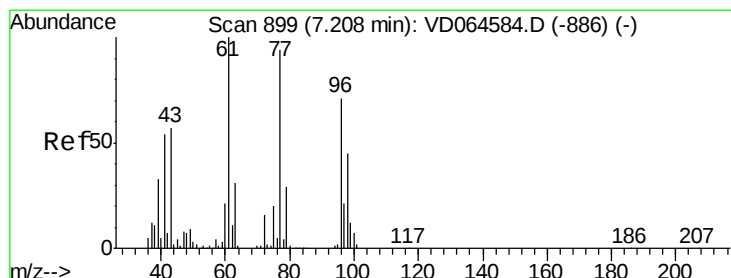
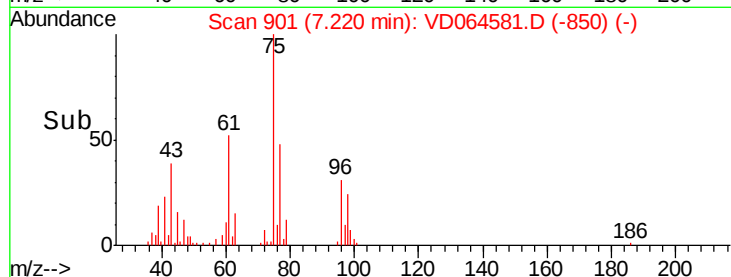
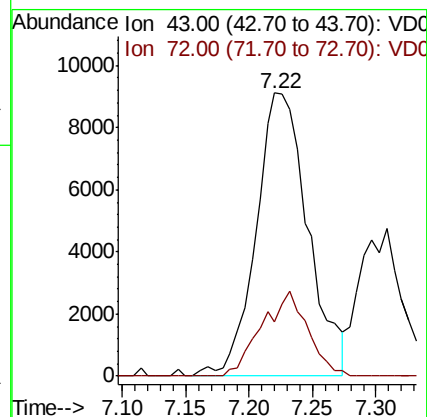
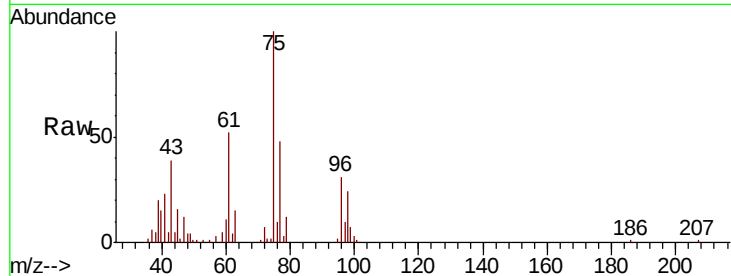
ClientSampleId :

Tot Ion: 43 Resp: 25998

Ion Ratio Lower Upper

43 100

72 19.2 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 5.954 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064581.D

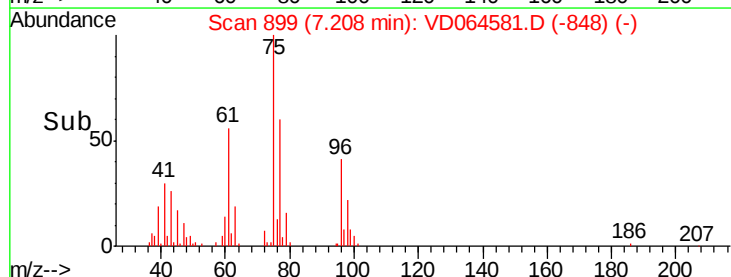
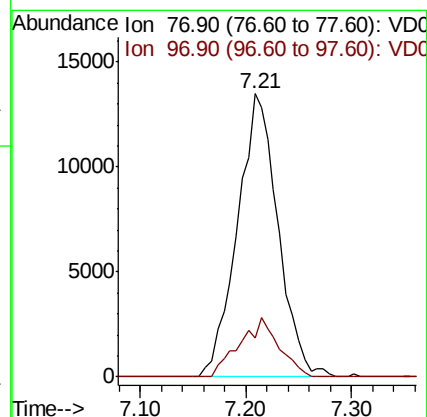
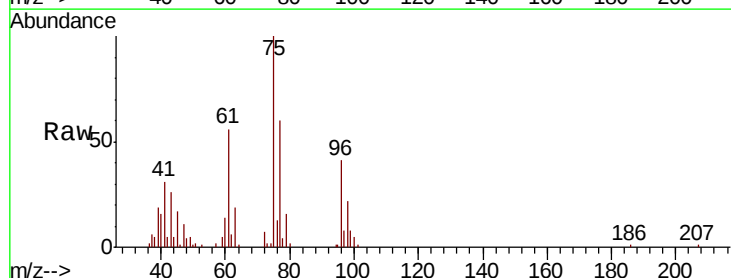
Acq: 24 Dec 2019 10:23

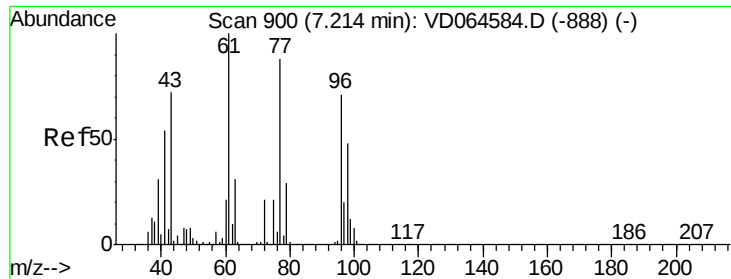
Tgt Ion: 77 Resp: 35864

Ion Ratio Lower Upper

77 100

97 20.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 5.214 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

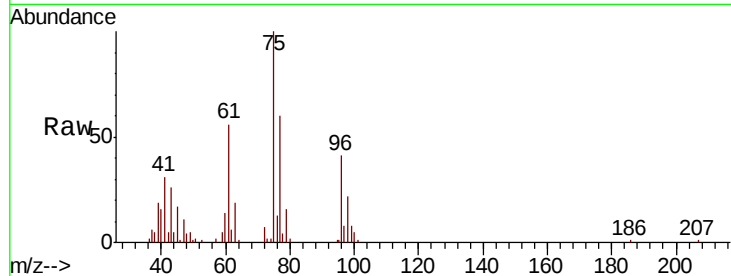
Tot Ion: 96 Resp: 23747

Ion Ratio Lower Upper

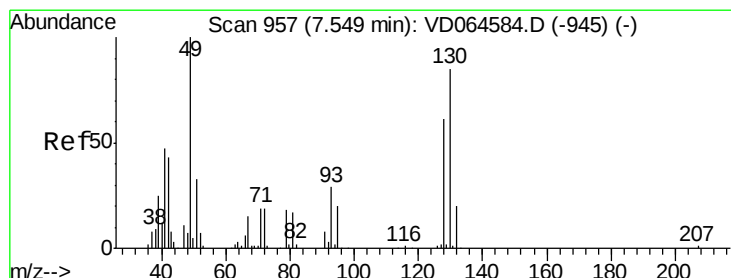
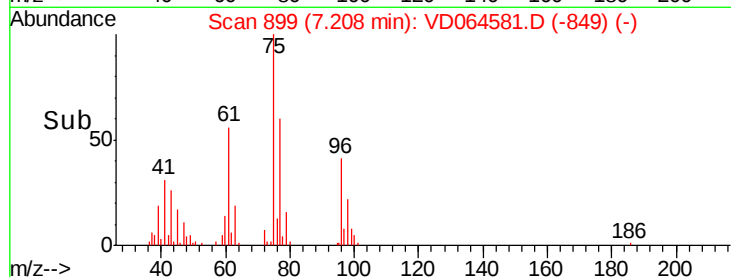
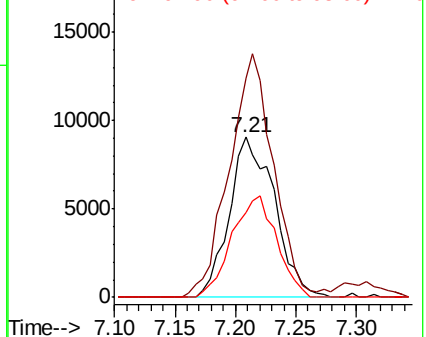
96 100

61 147.2 0.0 282.6

98 62.3 0.0 130.8



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



#28

Bromochloromethane

Concen: 6.175 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

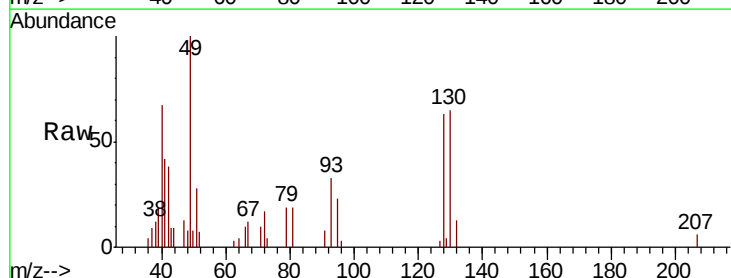
Tgt Ion: 49 Resp: 14848

Ion Ratio Lower Upper

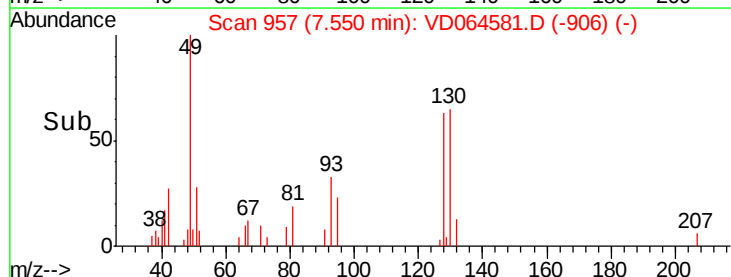
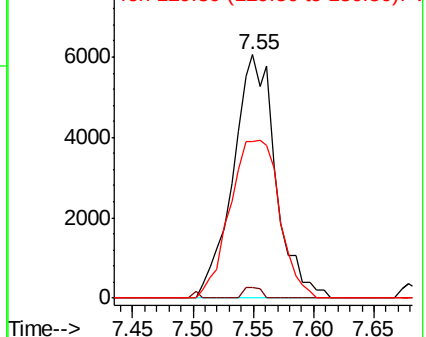
49 100

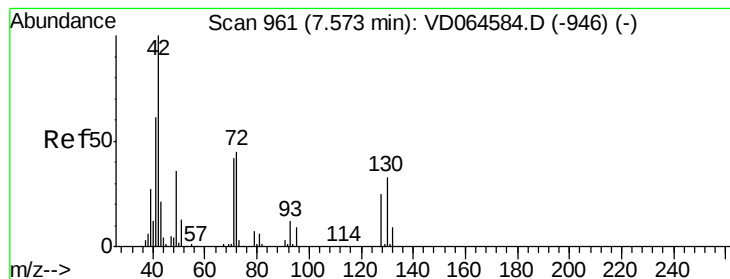
129 1.8 0.0 4.8

130 75.1 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 23.826 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

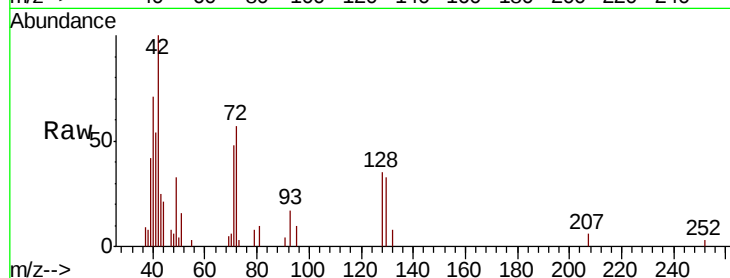
Tot Ion: 42 Resp: 16023

Ion Ratio Lower Upper

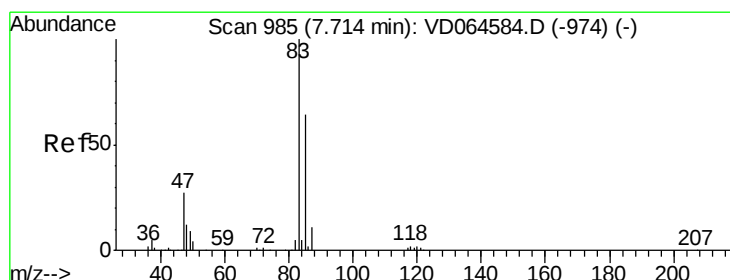
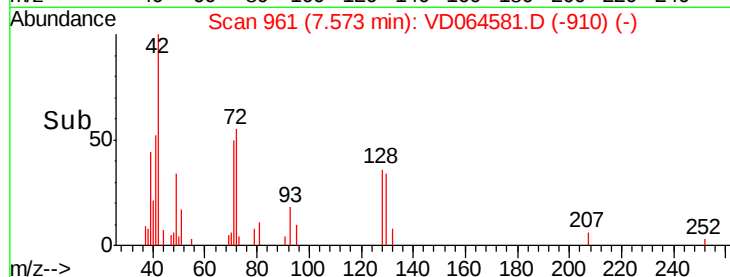
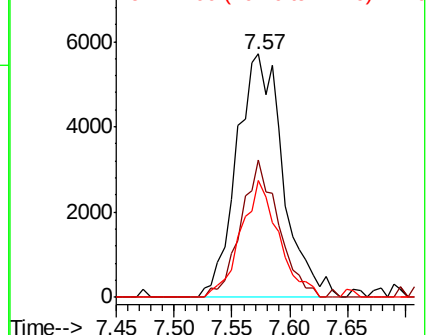
42 100

72 45.4 35.0 52.4

71 38.9 32.9 49.3



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



#30

Chloroform

Concen: 5.440 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064581.D

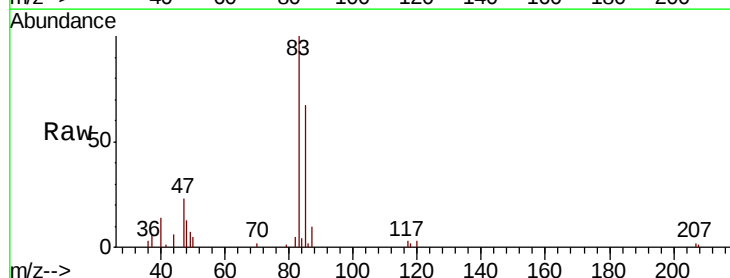
Acq: 24 Dec 2019 10:23

Tgt Ion: 83 Resp: 38591

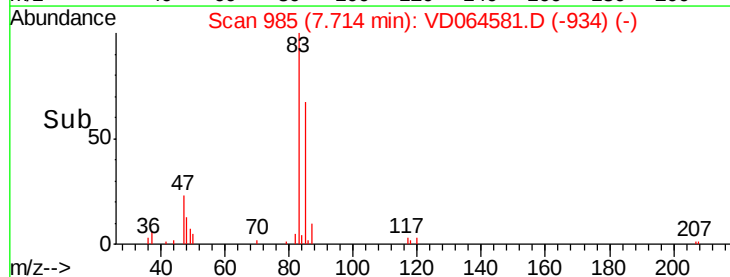
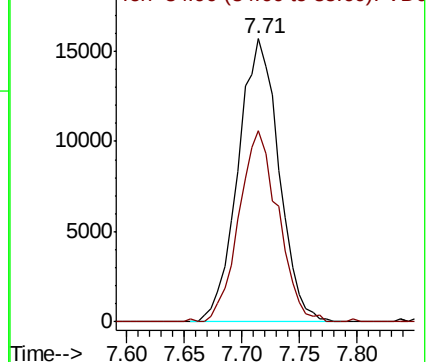
Ion Ratio Lower Upper

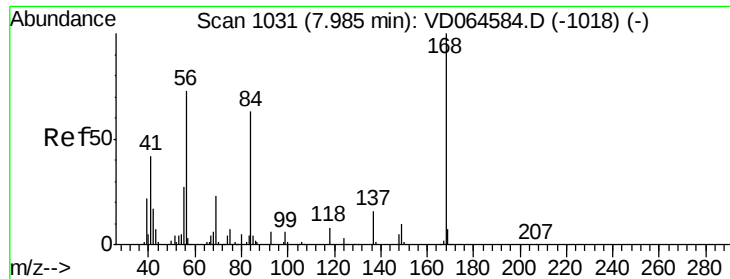
83 100

85 67.4 51.1 76.7



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

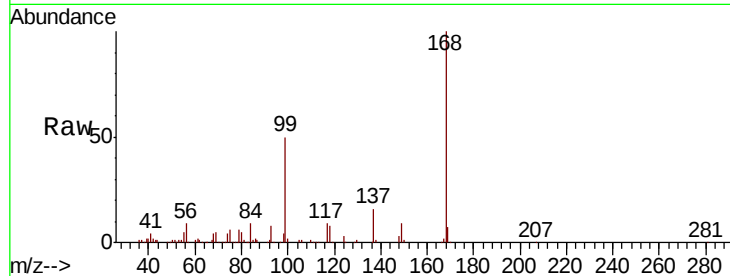




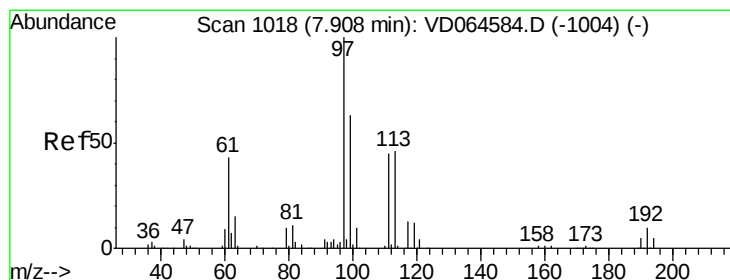
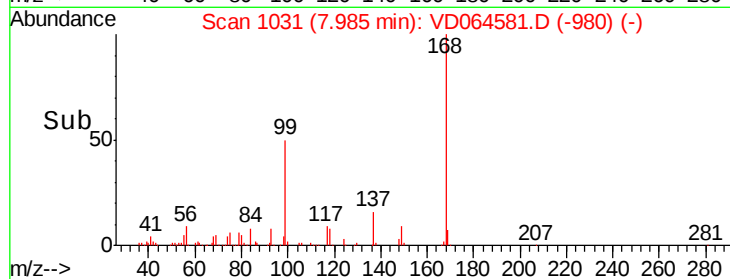
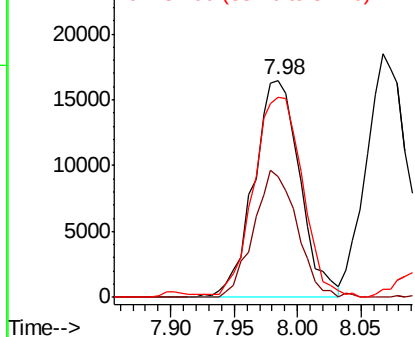
#31
Cyclohexane
Concen: 6.202 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 41834
Ion Ratio Lower Upper
56 100
69 55.8 24.7 37.1#
84 90.5 69.4 104.2

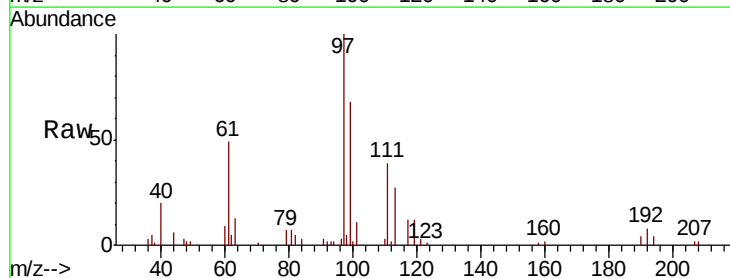


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

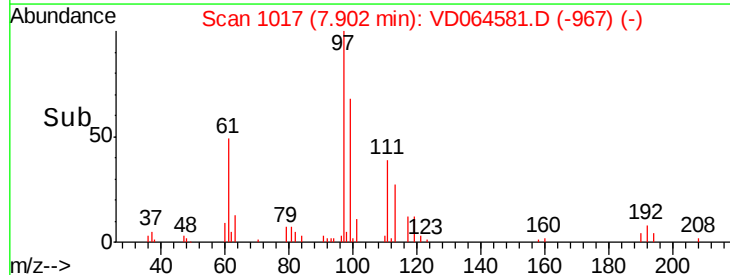
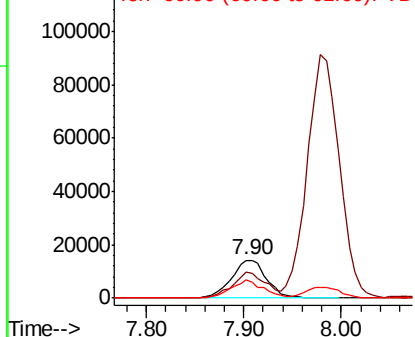


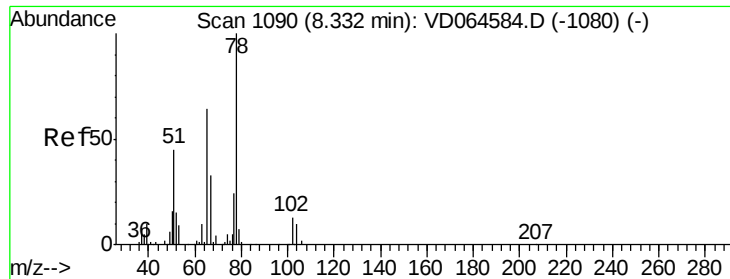
#32
1,1,1-Trichloroethane
Concen: 5.434 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 97 Resp: 35874
Ion Ratio Lower Upper
97 100
99 65.8 51.0 76.6
61 43.1 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

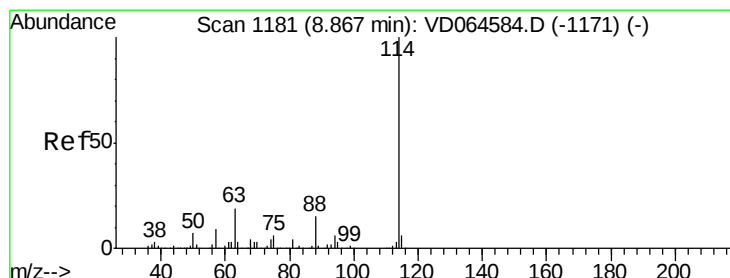
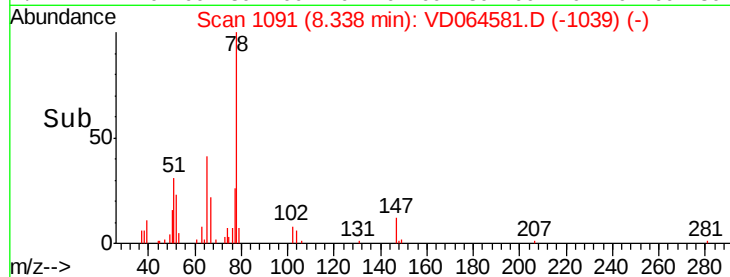
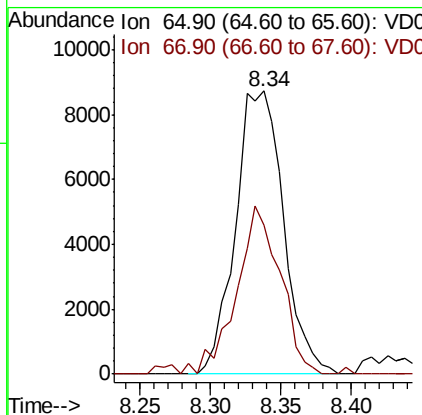
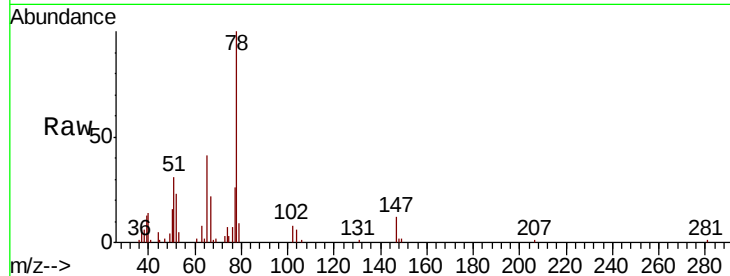




#33
 1,2-Dichloroethane-d4
 Concen: 5.570 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

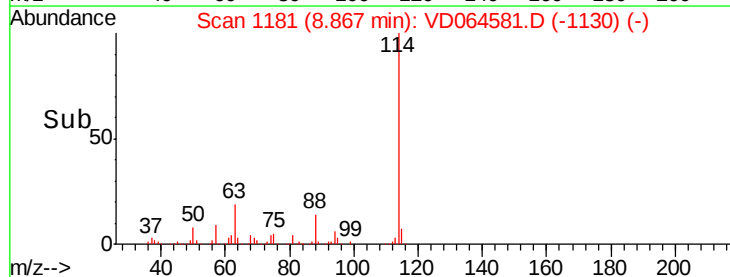
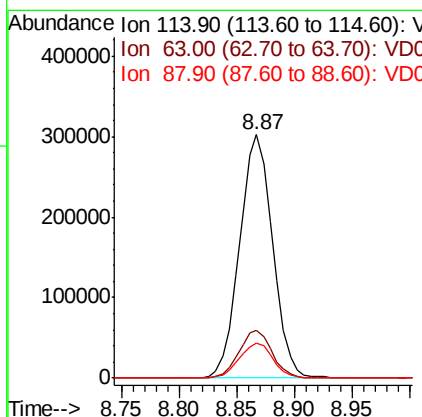
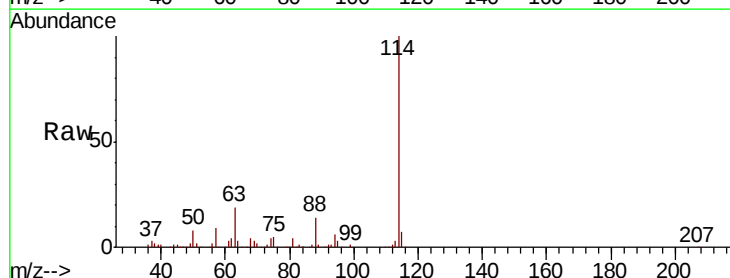
Instrument :
 MSVOA_D
 ClientSampleID :

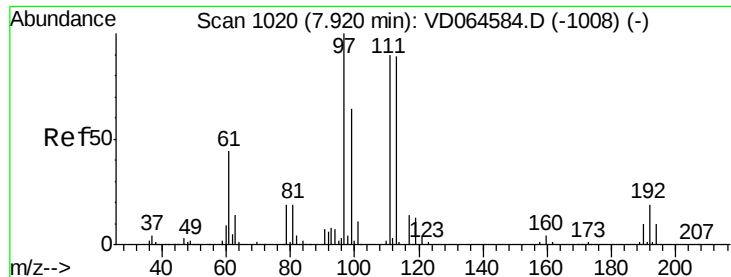
Tot Ion: 65 Resp: 20769
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 114 Resp: 602680
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.0
 88 14.5 0.0 29.2

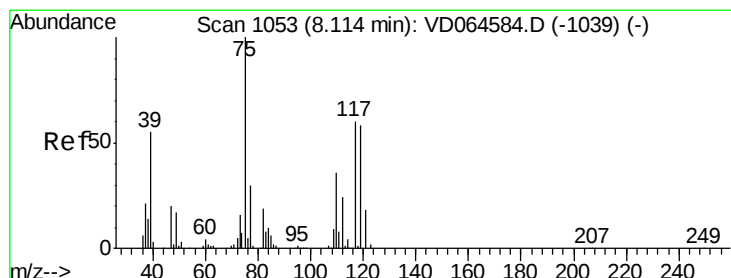
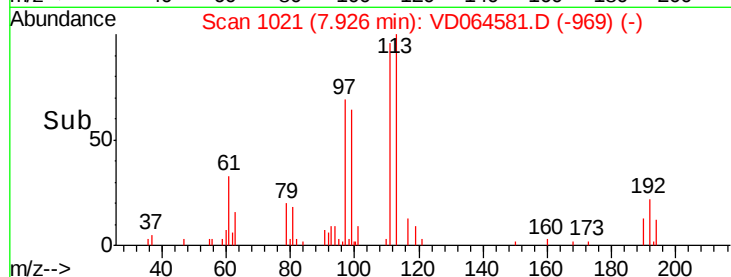
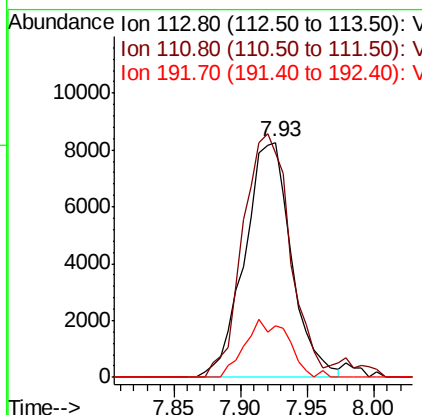
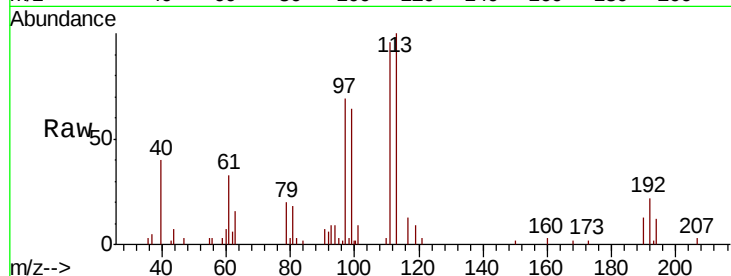




#35
 Dibromofluoromethane
 Concen: 5.276 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

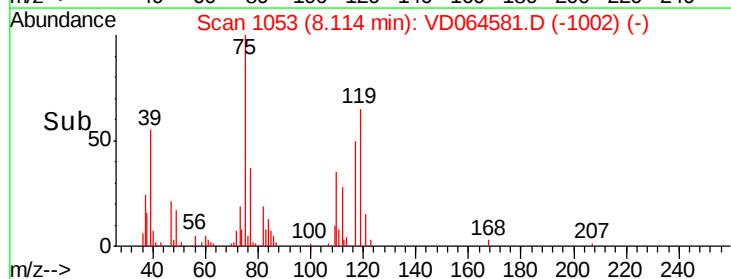
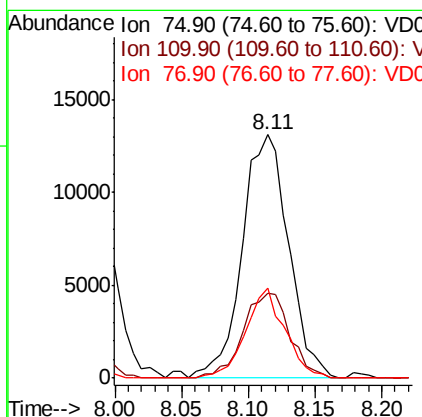
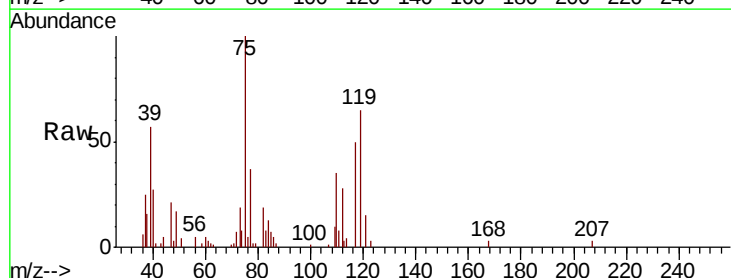
Instrument :
 MSVOA_D
 ClientSampleID :

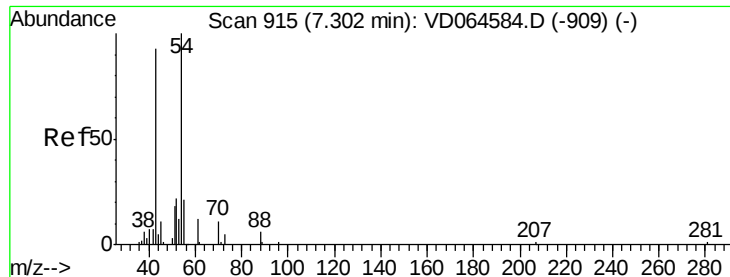
Tot Ion:113 Resp: 20089
 Ion Ratio Lower Upper
 113 100
 111 105.0 80.6 121.0
 192 22.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.490 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 75 Resp: 31525
 Ion Ratio Lower Upper
 75 100
 110 35.1 18.1 54.1
 77 31.0 24.2 36.4

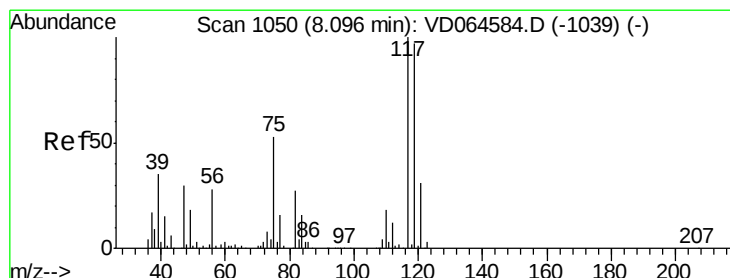
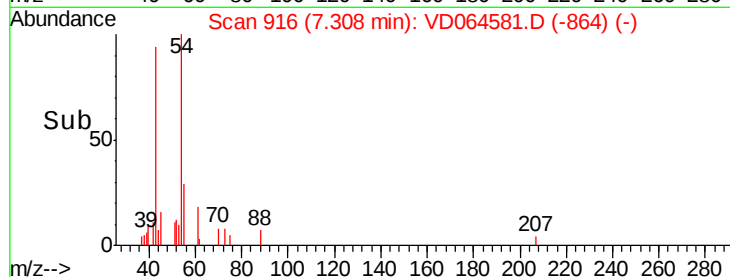
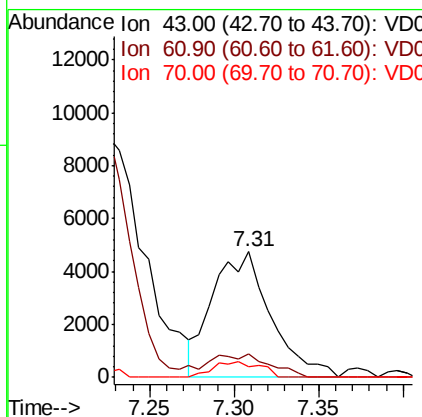
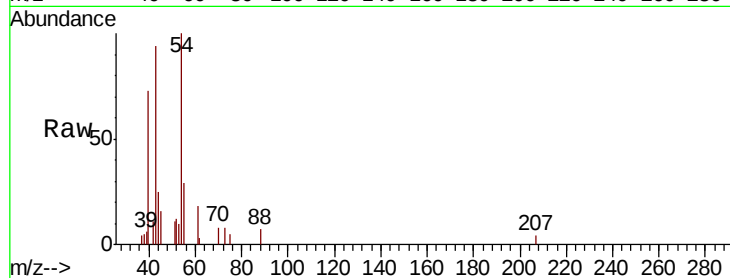




#37
Ethyl Acetate
Concen: 4.727 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

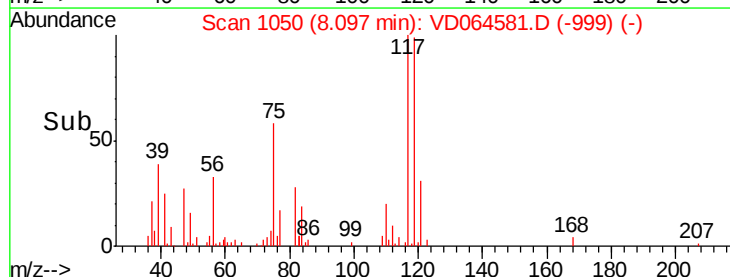
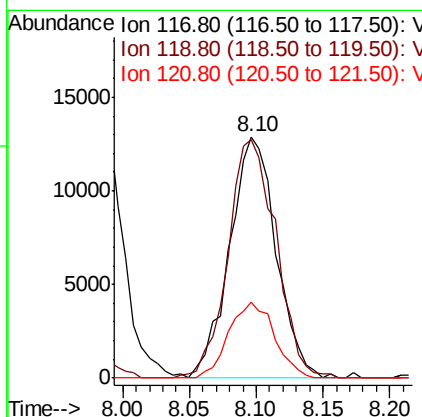
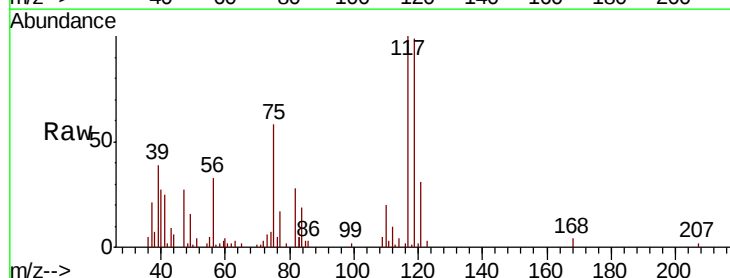
Instrument :
MSVOA_D
ClientSampleId :

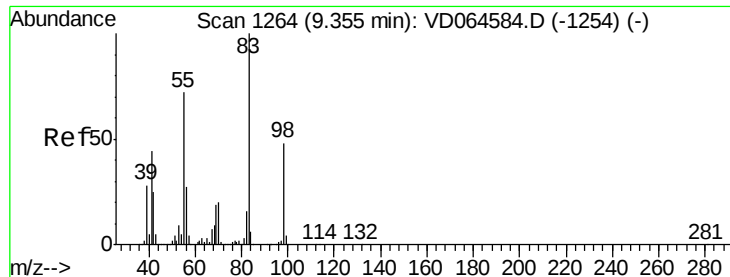
Tot Ion: 43 Resp: 11393
Ion Ratio Lower Upper
43 100
61 20.4 10.3 15.5#
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 117 Resp: 31181
Ion Ratio Lower Upper
117 100
119 98.7 77.3 115.9
121 31.3 25.0 37.6

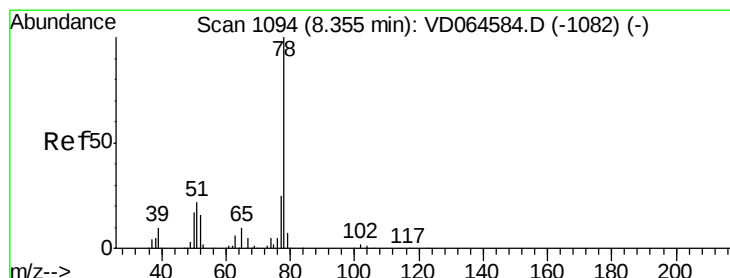
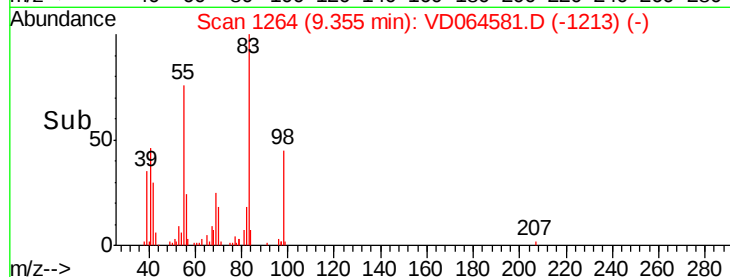
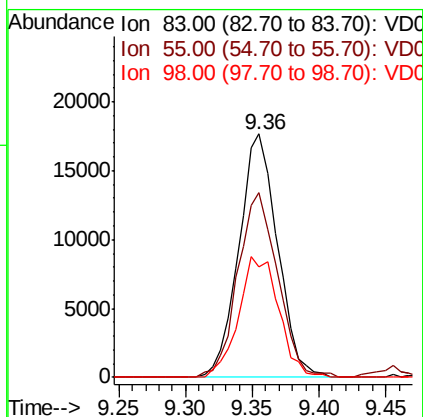
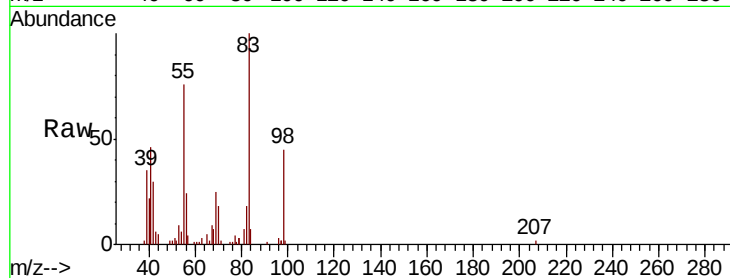




#39
Methvlcvclohexane
Concen: 5.003 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

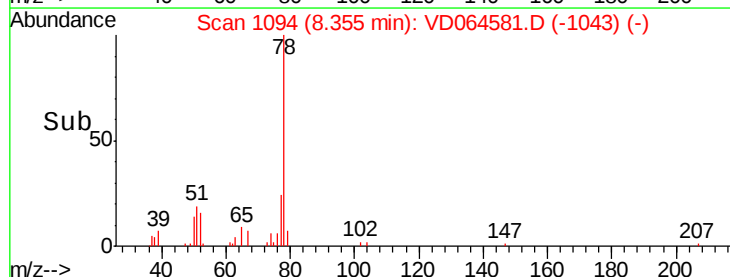
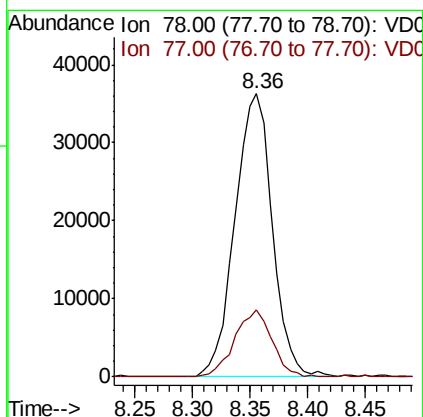
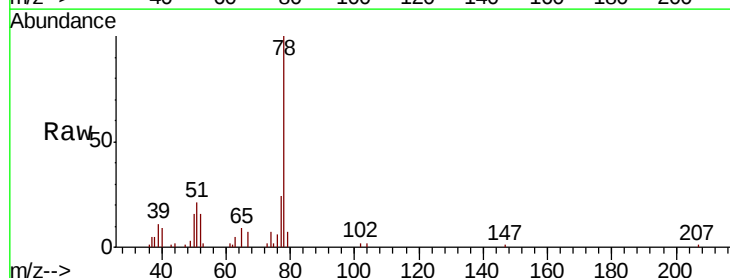
Instrument :
MSVOA_D
ClientSampleId :

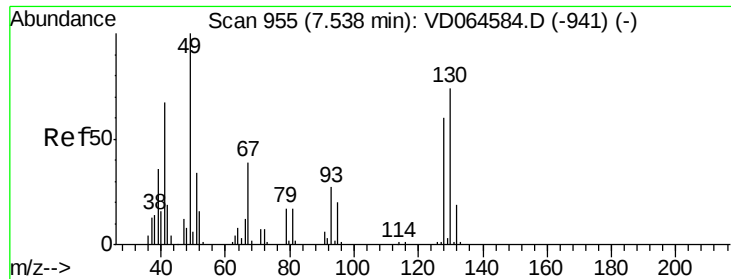
Tot Ion: 83 Resp: 35409
Ion Ratio Lower Upper
83 100
55 75.7 57.8 86.6
98 45.2 38.7 58.1



#40
Benzene
Concen: 5.157 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 78 Resp: 81555
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9

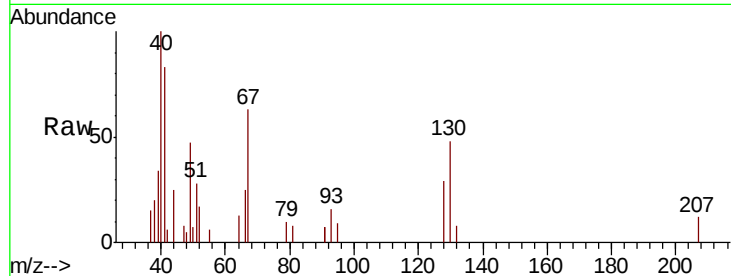




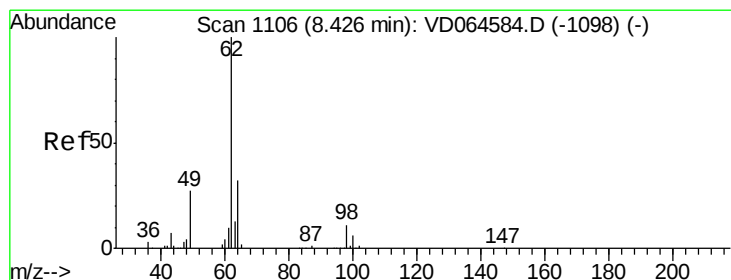
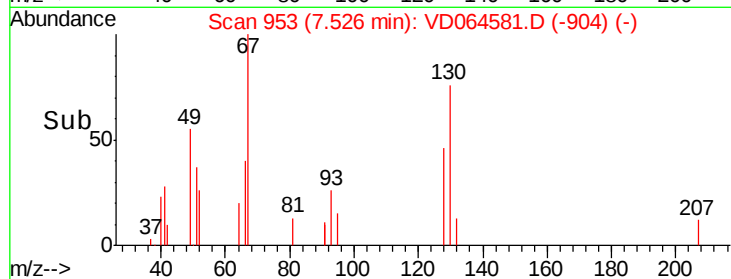
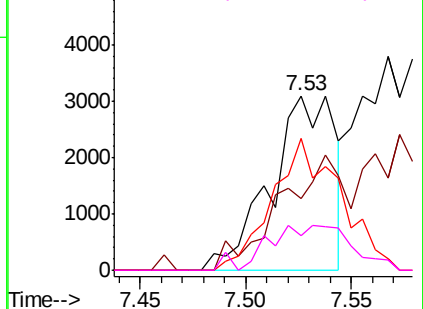
#41
Methacrylonitrile
Concen: 4.777 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 6513
Ion Ratio Lower Upper
41 100
39 66.7 46.7 70.1
67 80.2 52.5 78.7#
52 34.1 24.1 36.1

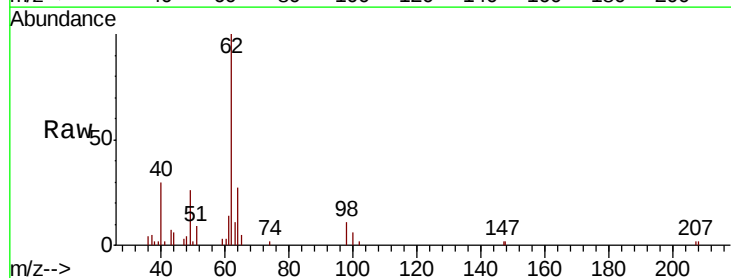


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

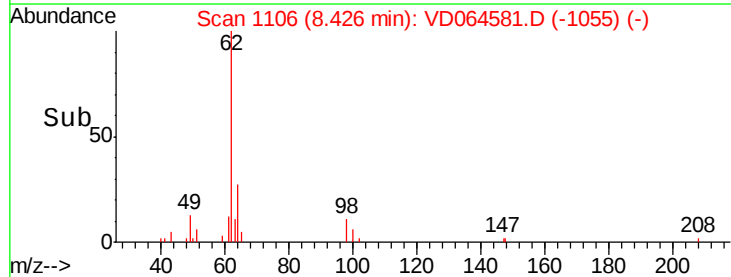
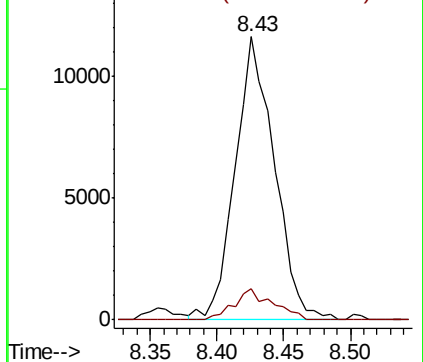


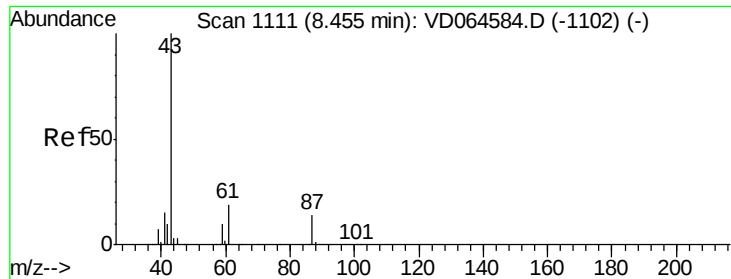
#42
1,2-Dichloroethane
Concen: 5.136 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 62 Resp: 23707
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 5.013 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

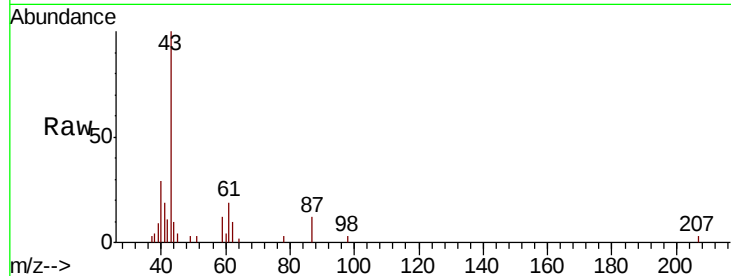
Tot Ion: 43 Resp: 23682

Ion Ratio Lower Upper

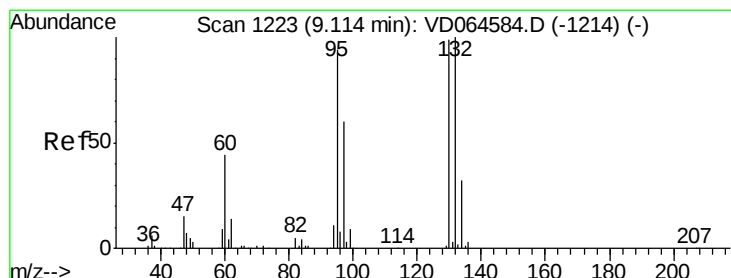
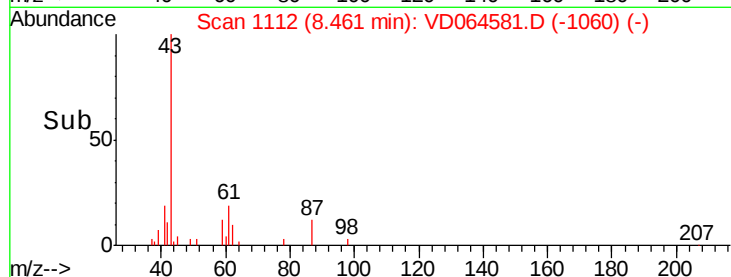
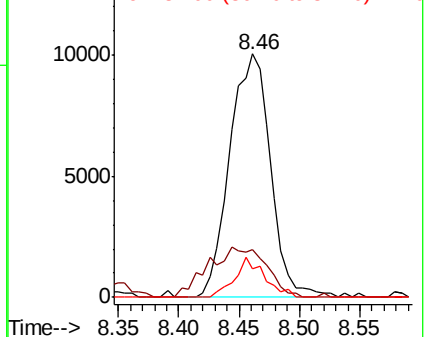
43 100

61 29.4 23.7 35.5

87 12.1 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: 5.298 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064581.D

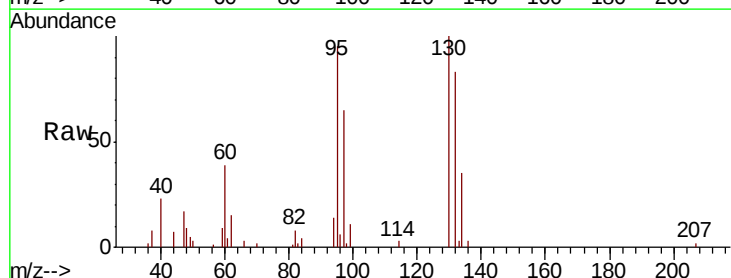
Acq: 24 Dec 2019 10:23

Tgt Ion:130 Resp: 25238

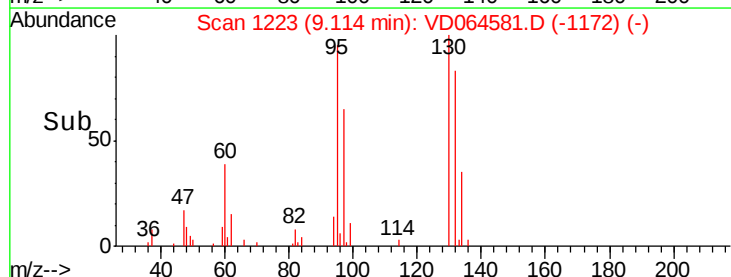
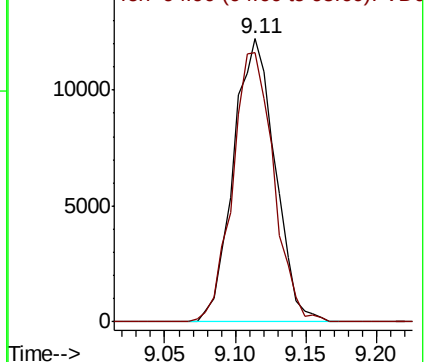
Ion Ratio Lower Upper

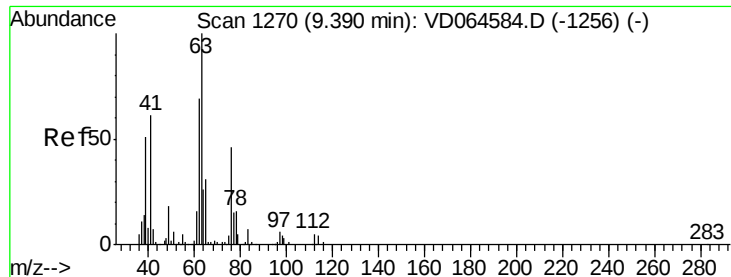
130 100

95 95.1 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: 5.336 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

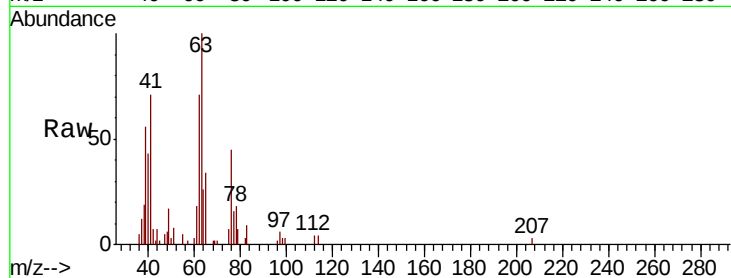
ClientSampleId :

Tot Ion: 63 Resp: 20121

Ion Ratio Lower Upper

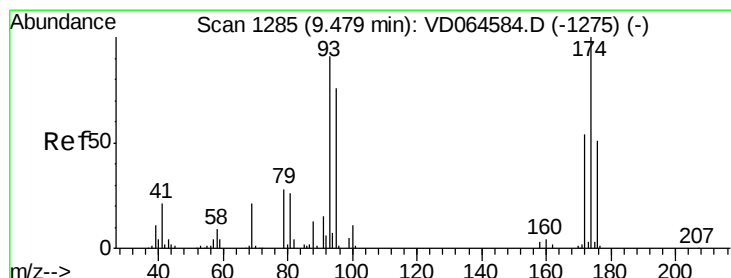
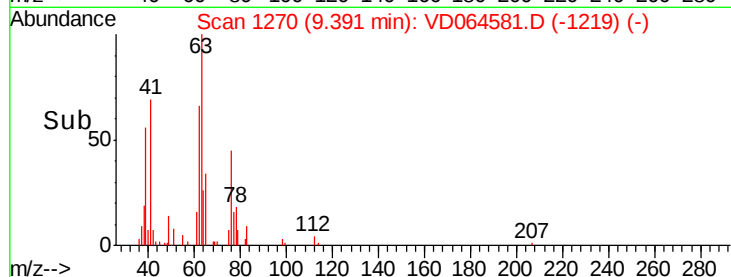
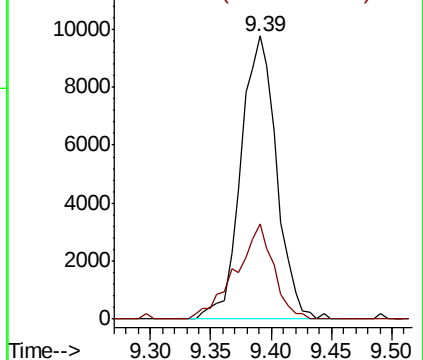
63 100

65 33.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.964 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

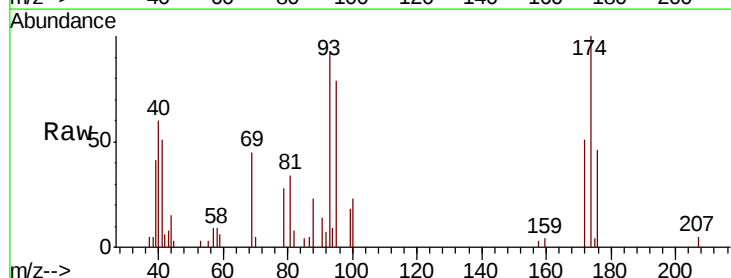
Tgt Ion: 93 Resp: 10601

Ion Ratio Lower Upper

93 100

95 90.5 64.6 97.0

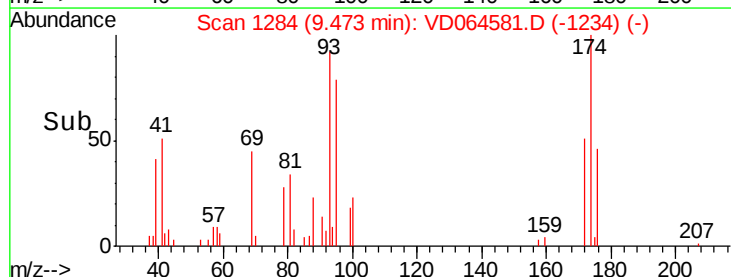
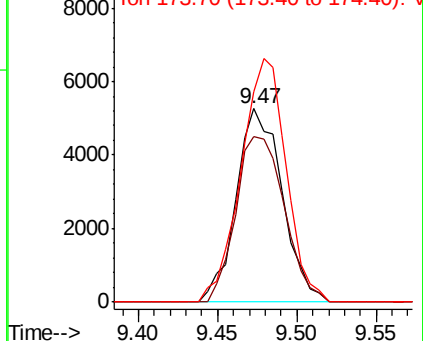
174 123.7 88.1 132.1

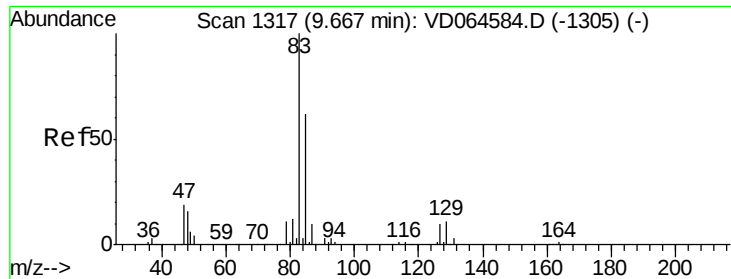


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.533 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

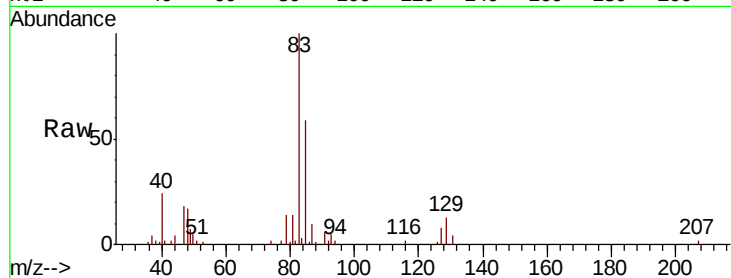
Tot Ion: 83 Resp: 30413

Ion Ratio Lower Upper

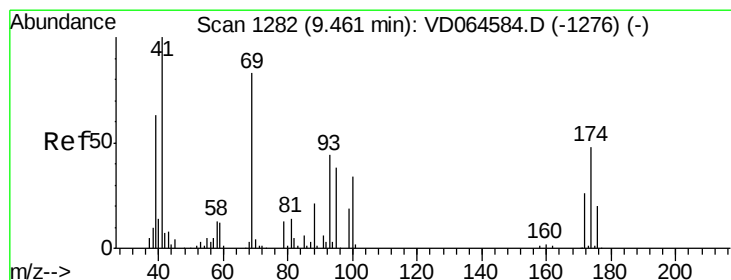
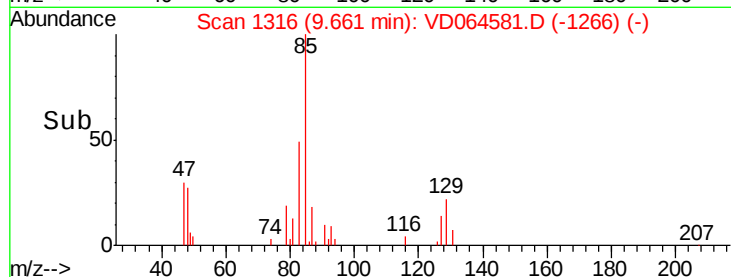
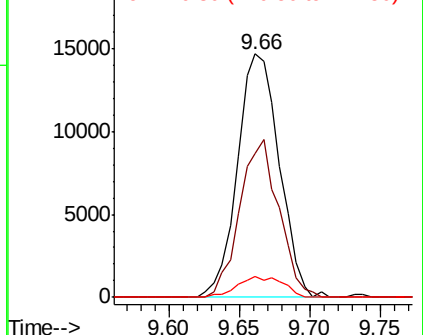
83 100

85 59.3 49.5 74.3

127 8.5 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: 5.289 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

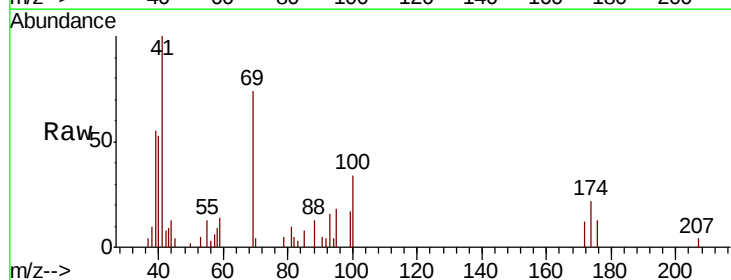
Tgt Ion: 41 Resp: 11594

Ion Ratio Lower Upper

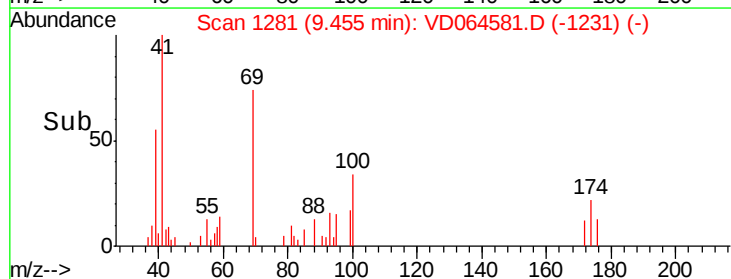
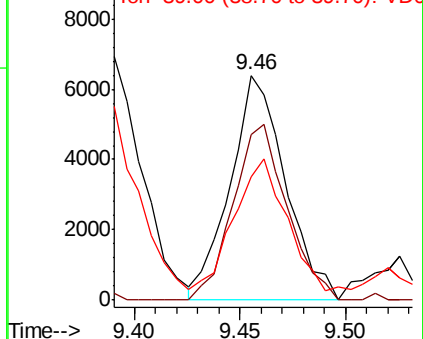
41 100

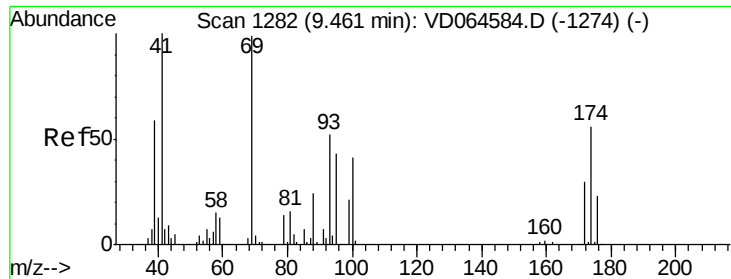
69 76.5 63.0 94.6

39 54.7 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

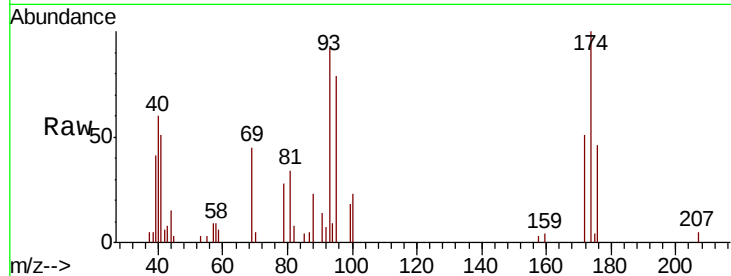




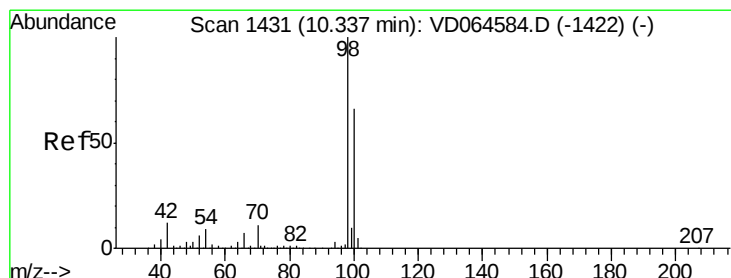
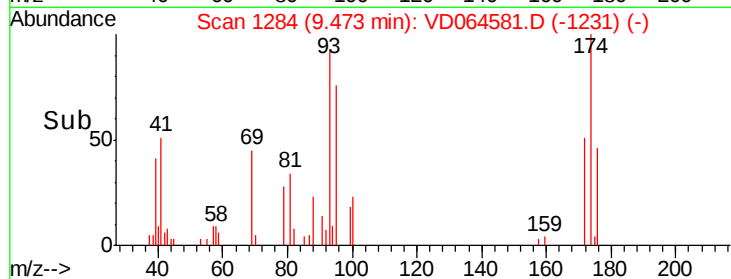
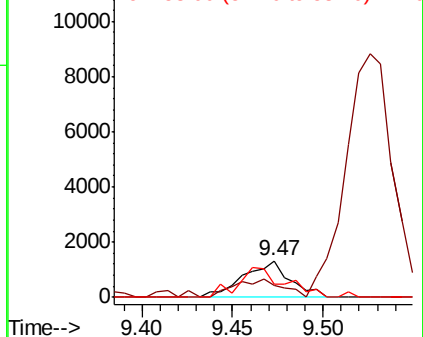
#49
 1,4-Dioxane
 Concen: 90.645 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 2376
 Ion Ratio Lower Upper
 88 100
 43 51.1 27.7 41.5#
 58 81.6 53.8 80.6#

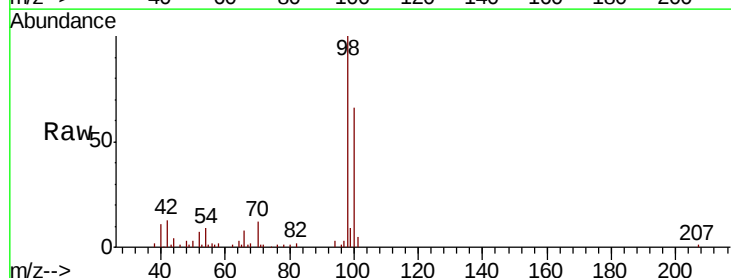


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

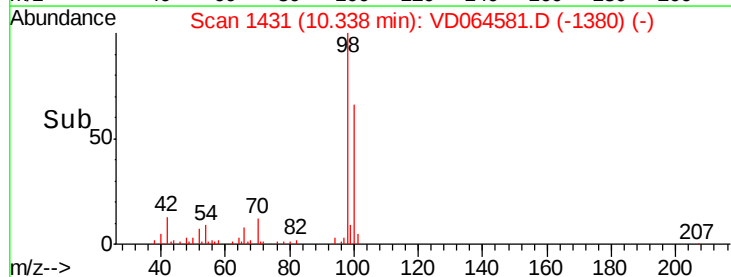
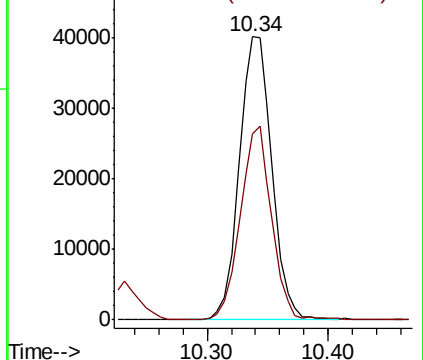


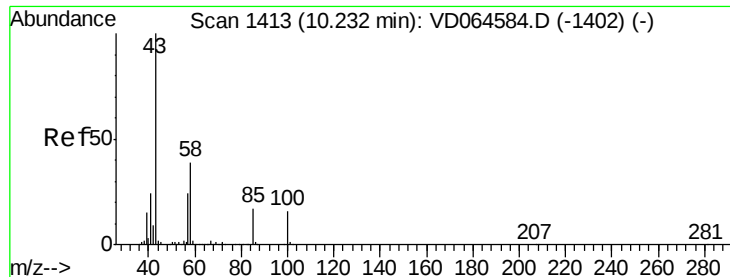
#50
 Toluene-d8
 Concen: 5.226 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 98 Resp: 75282
 Ion Ratio Lower Upper
 98 100
 100 65.8 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: 24.044 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

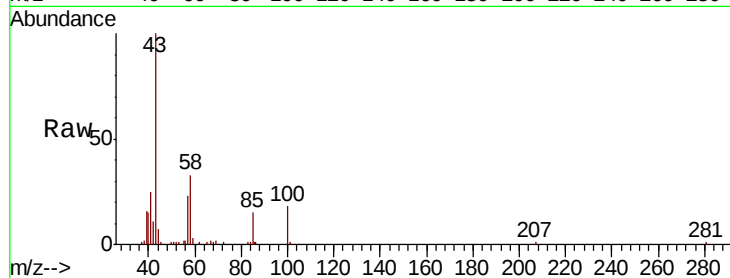
ClientSampleId :

Tot Ion: 43 Resp: 56247

Ion Ratio Lower Upper

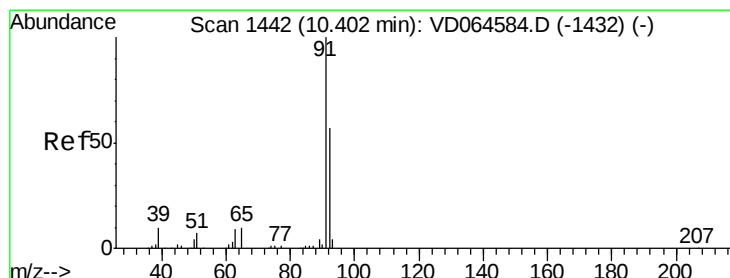
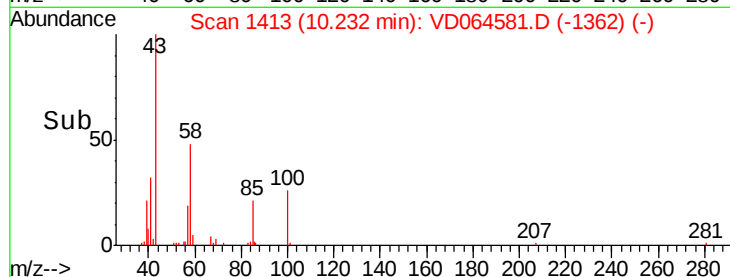
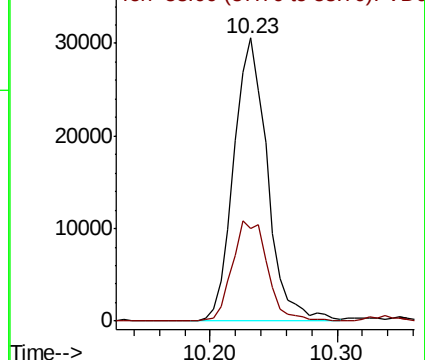
43 100

58 36.8 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.091 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064581.D

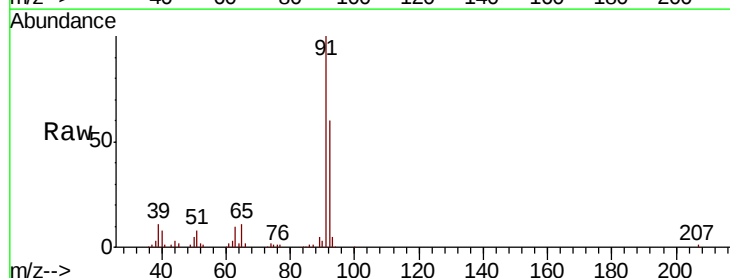
Acq: 24 Dec 2019 10:23

Tgt Ion: 92 Resp: 52724

Ion Ratio Lower Upper

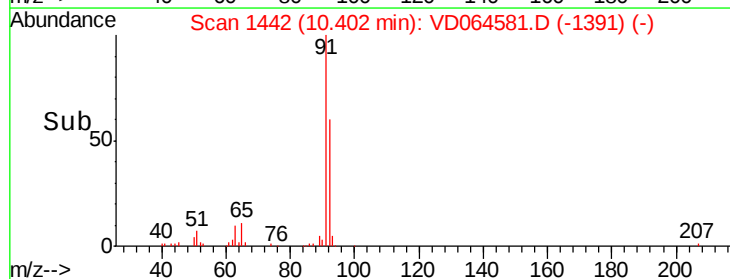
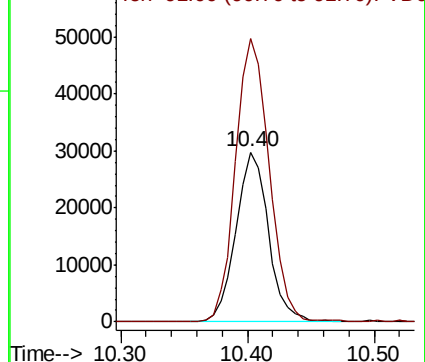
92 100

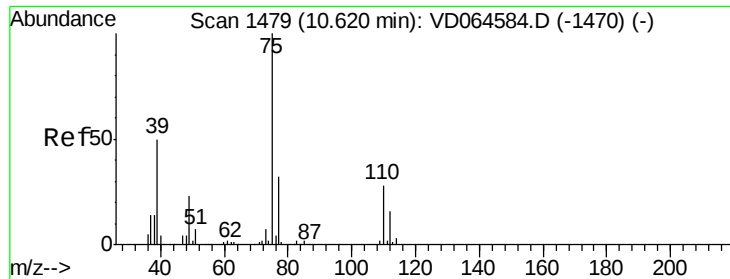
91 173.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

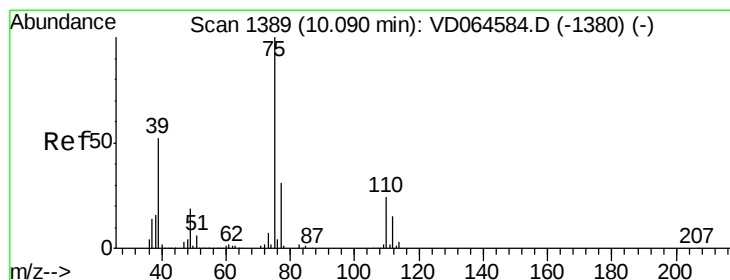
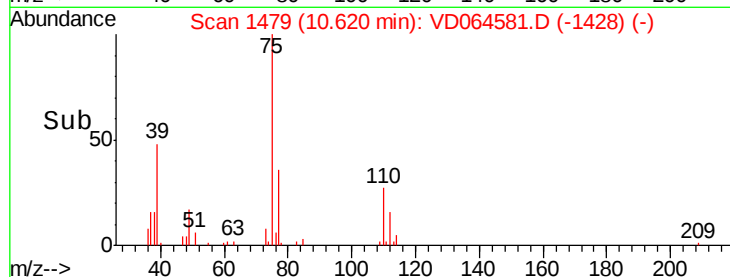
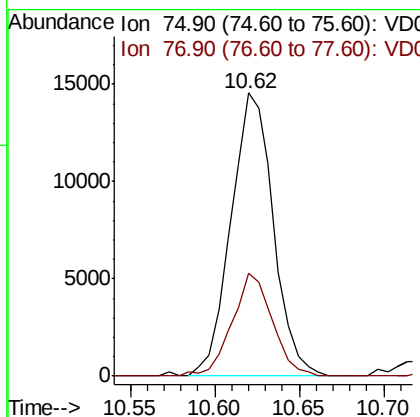
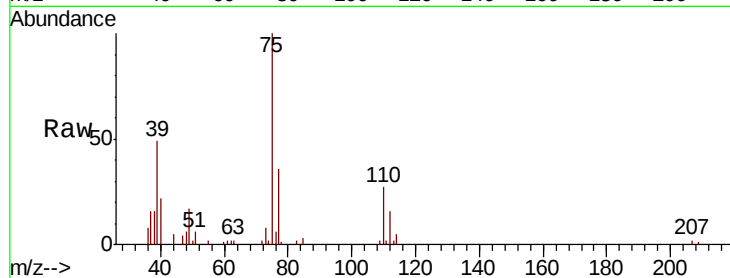




#53
t-1,3-Dichloropropene
Concen: 4.859 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

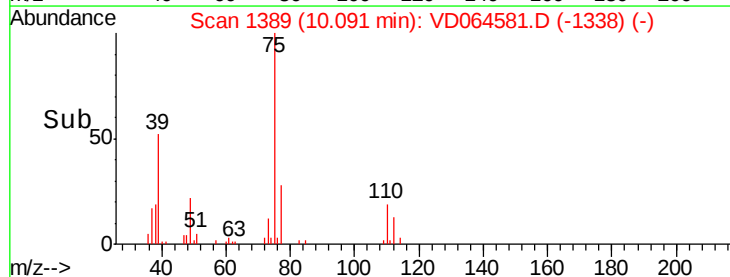
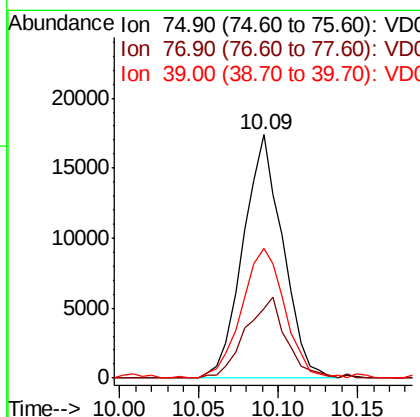
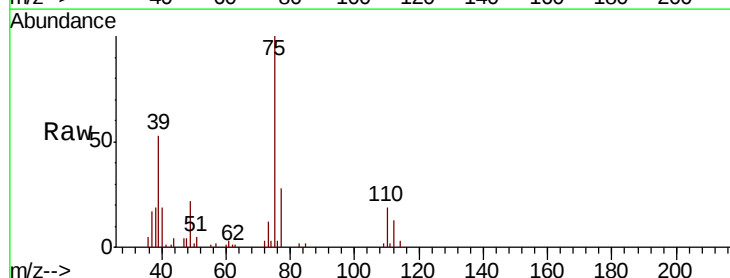
Instrument :
MSVOA_D
ClientSampleId :

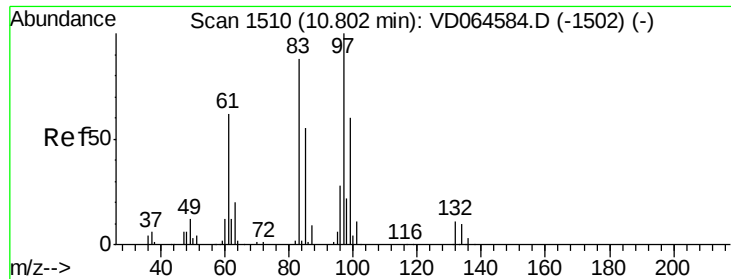
Tot Ion: 75 Resp: 25397
Ion Ratio Lower Upper
75 100
77 36.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 4.867 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 75 Resp: 30227
Ion Ratio Lower Upper
75 100
77 28.4 24.6 36.8
39 53.3 41.4 62.2

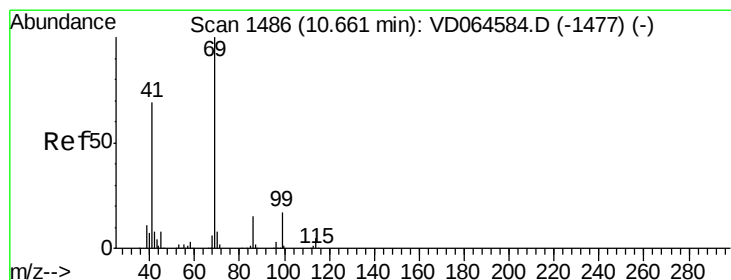
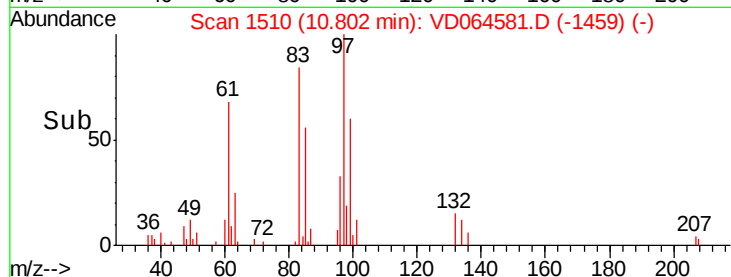
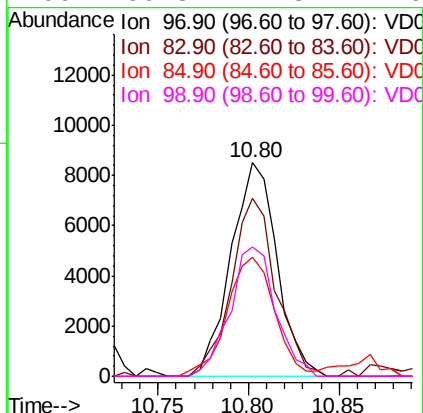
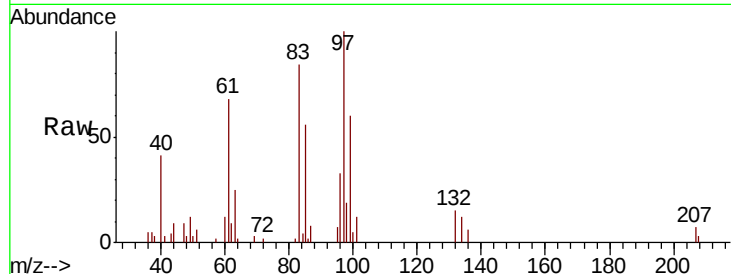




#55
 1,1,2-Trichloroethane
 Concen: 5.169 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

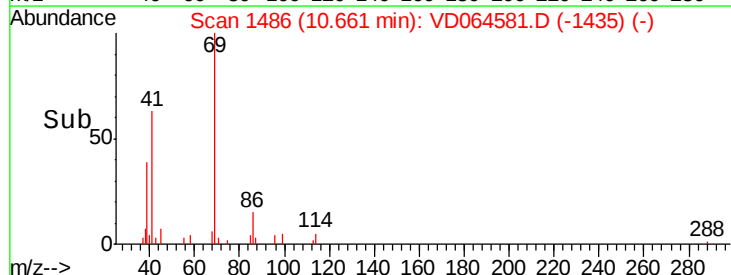
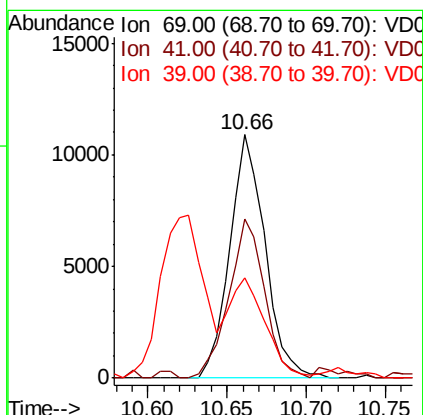
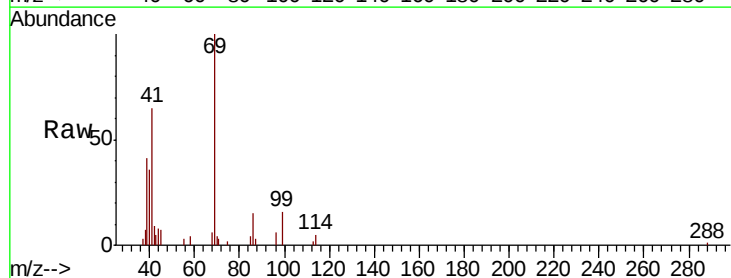
Instrument :
 MSVOA_D
 ClientSampleId :

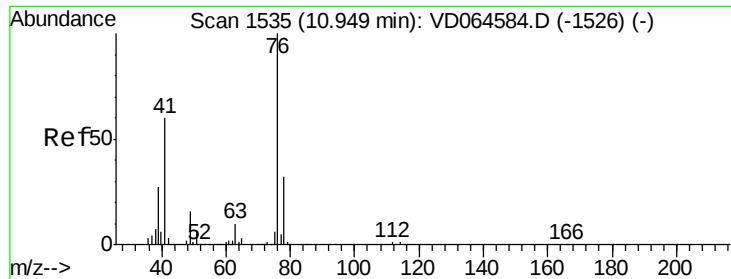
Tot Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.4
85	53.1	44.0	66.0
99	60.3	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 4.539 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.1	55.3	82.9
39	43.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 5.113 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

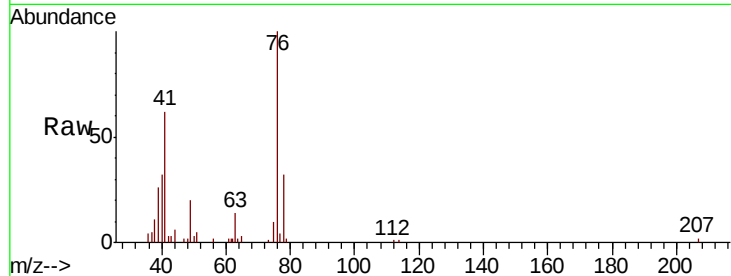
ClientSampleId :

Tot Ion: 76 Resp: 25438

Ion Ratio Lower Upper

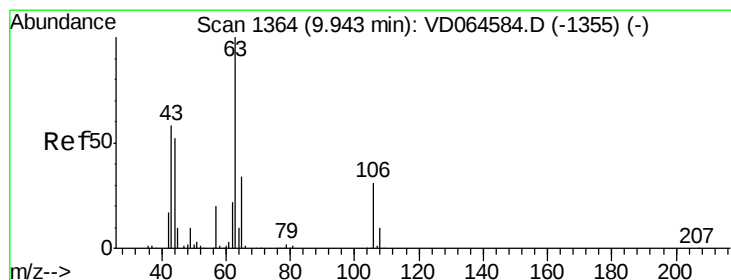
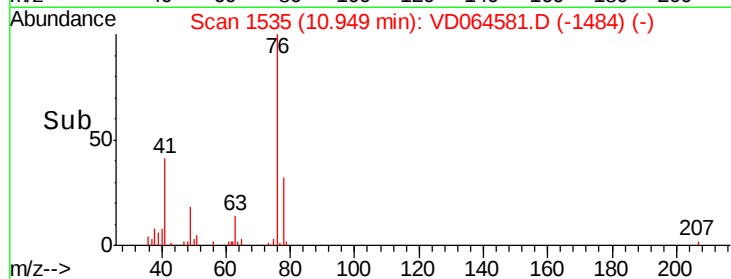
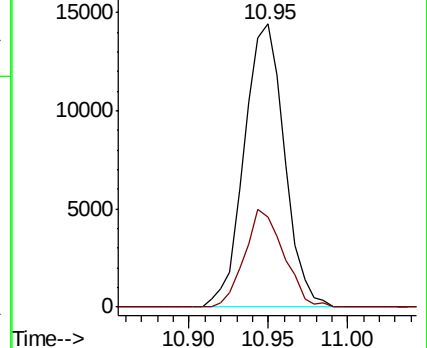
76 100

78 33.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 25.752 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064581.D

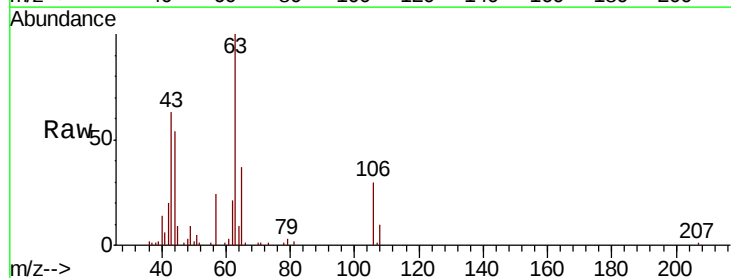
Acq: 24 Dec 2019 10:23

Tgt Ion: 63 Resp: 37839

Ion Ratio Lower Upper

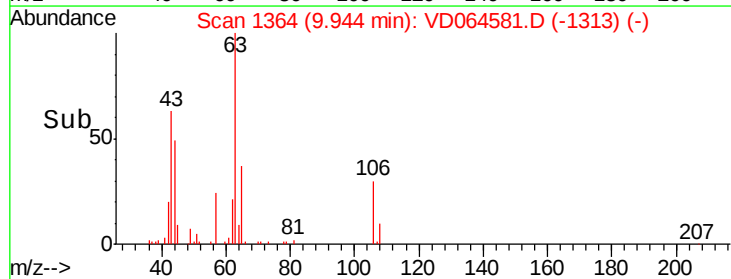
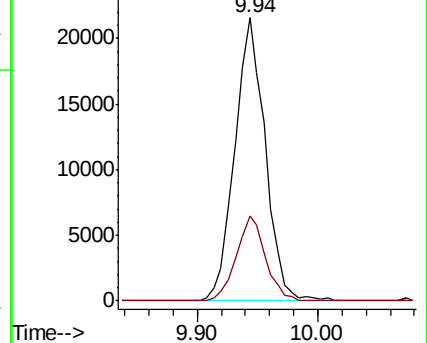
63 100

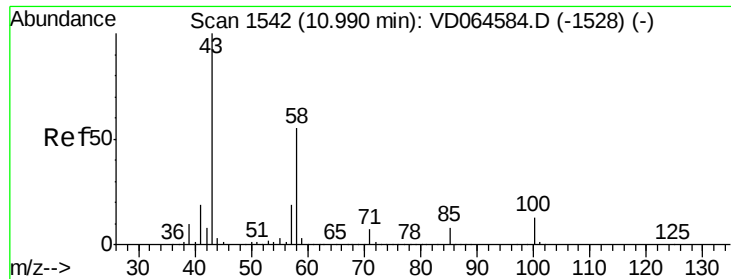
106 28.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

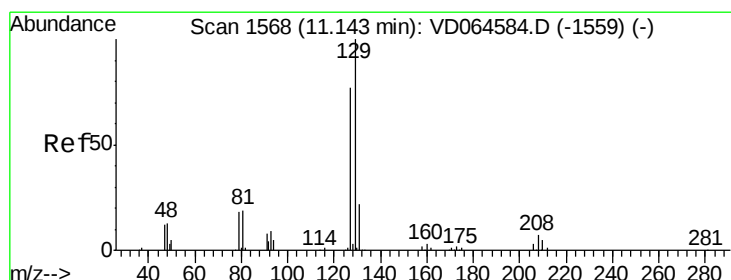
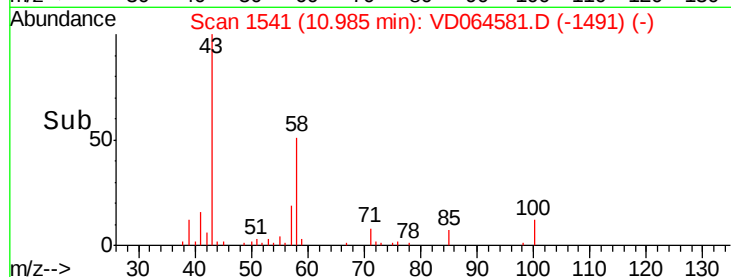
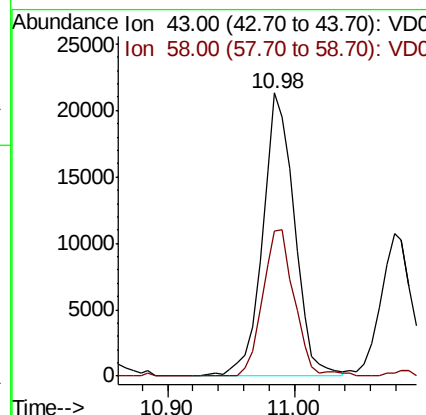
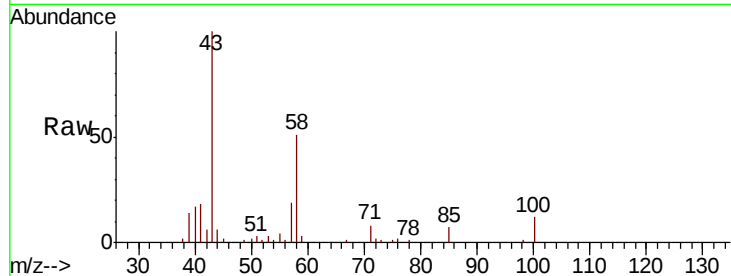




#59
2-Hexanone
Concen: 22.957 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

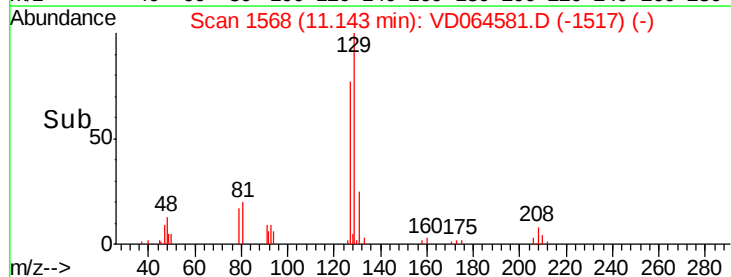
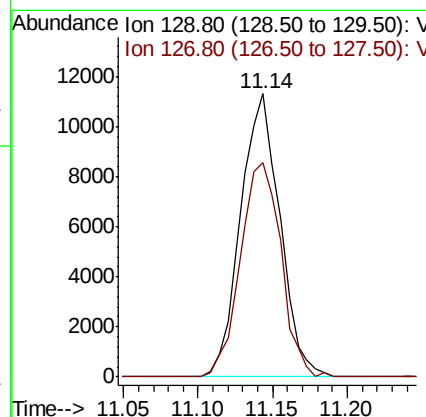
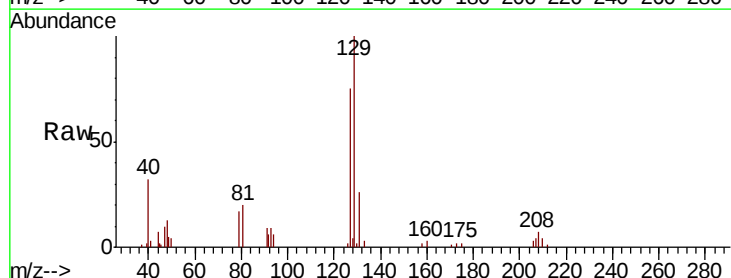
Instrument :
MSVOA_D
ClientSampled :

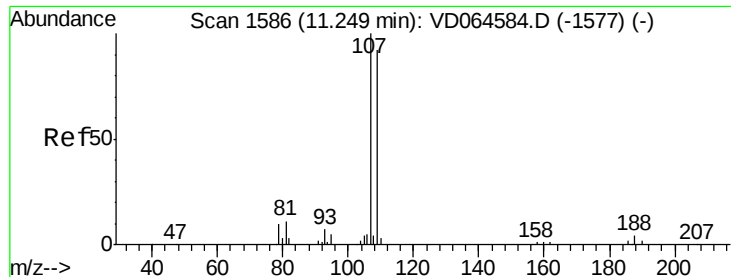
Tot Ion: 43 Resp: 37265
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0



#60
Dibromochloromethane
Concen: 5.219 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 129 Resp: 20693
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2

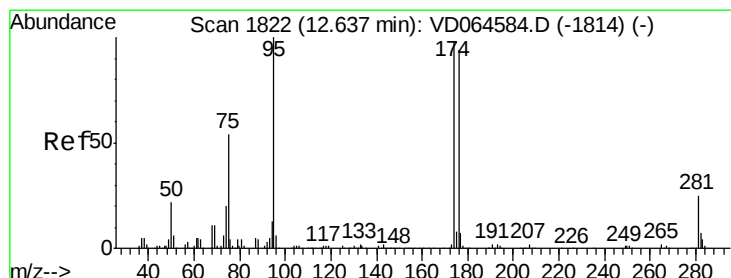
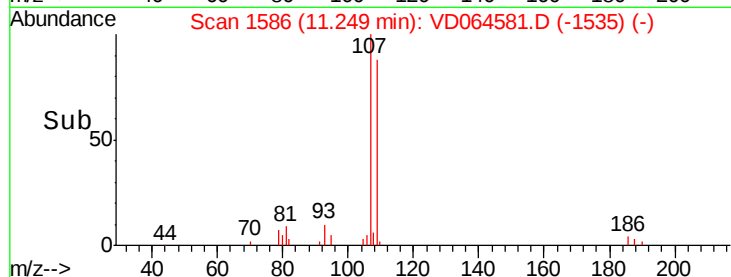
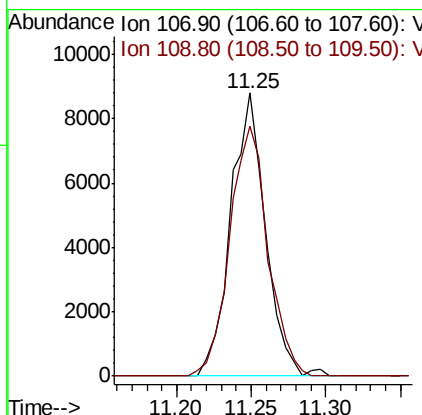
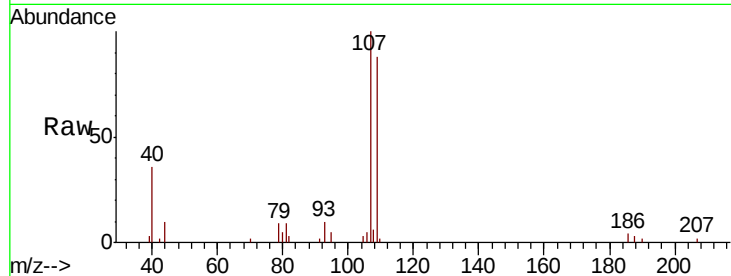




#61
 1,2-Dibromoethane
 Concen: 4.907 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

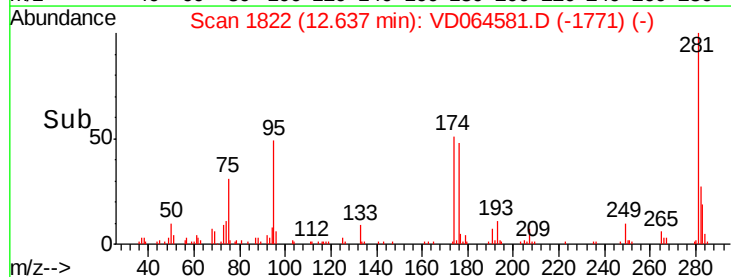
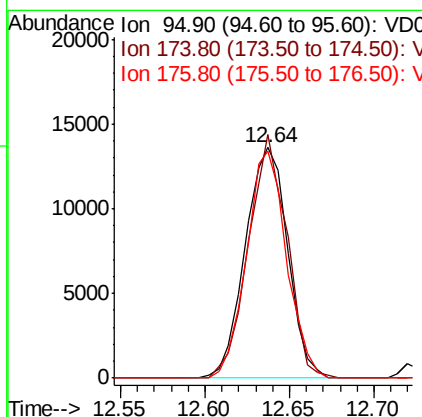
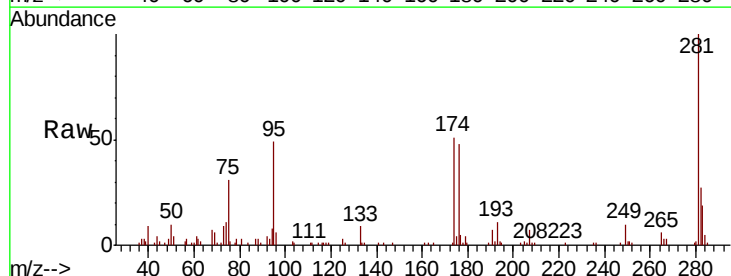
Instrument :
 MSVOA_D
 ClientSampleId :

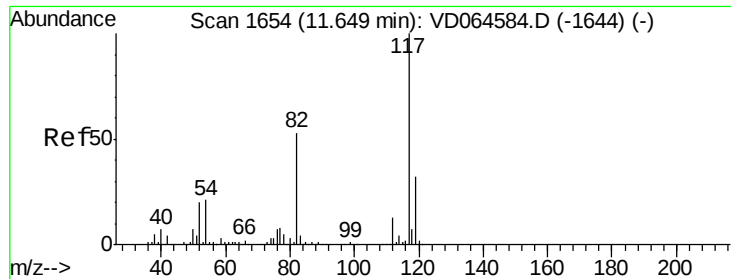
Tot Ion:107 Resp: 14280
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 5.127 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 95 Resp: 23781
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 193.2
 176 93.1 0.0 184.2

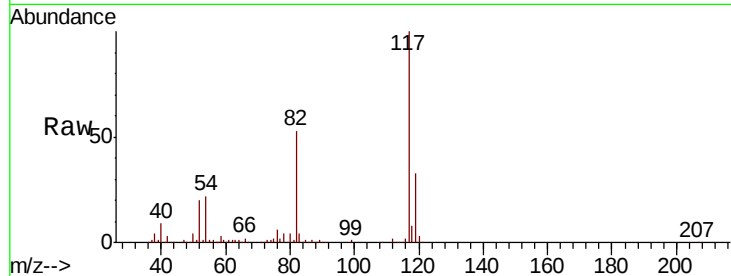




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	33.1	26.0	39.0

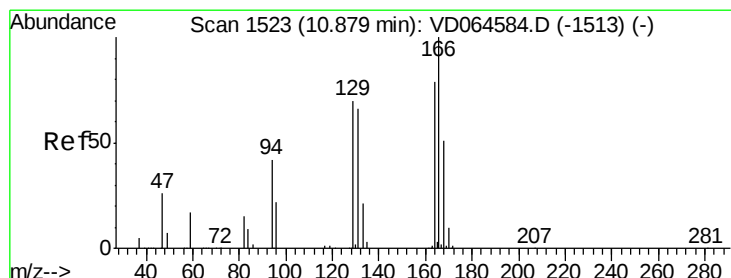
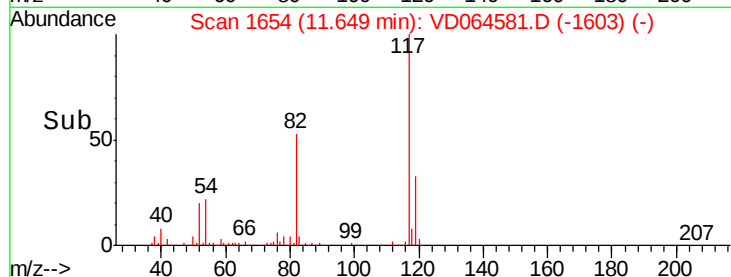
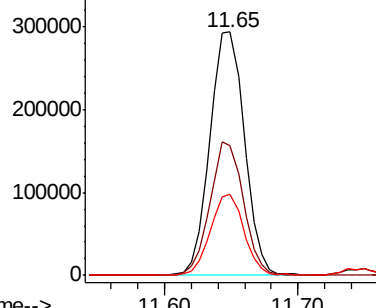


Abundance

Ion 116.90 (116.60 to 117.60): V

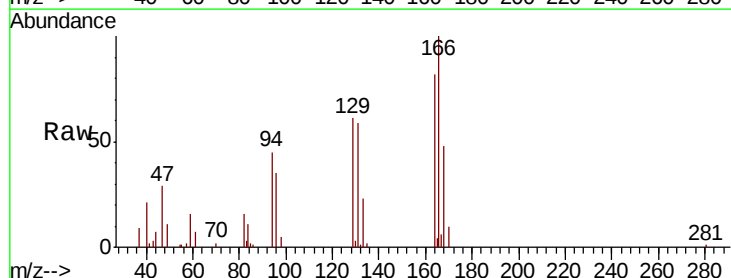
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.483 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.3	151.9
129	74.5	70.5	105.7
131	71.2	66.6	99.8



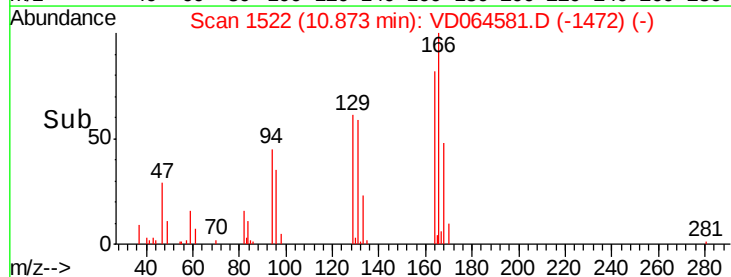
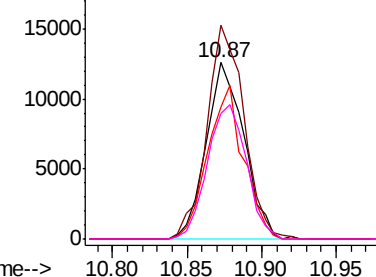
Abundance

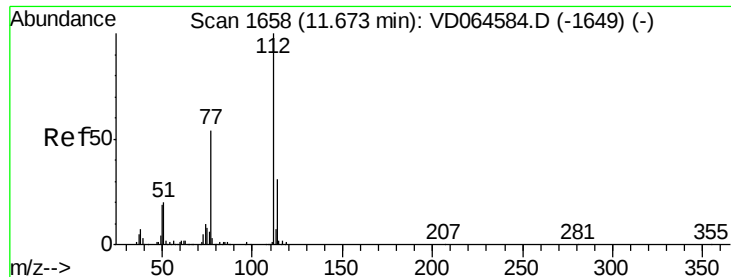
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.064 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

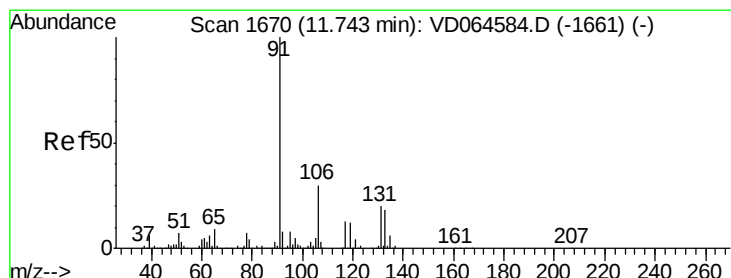
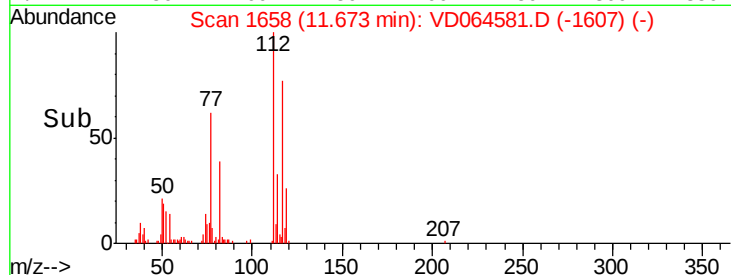
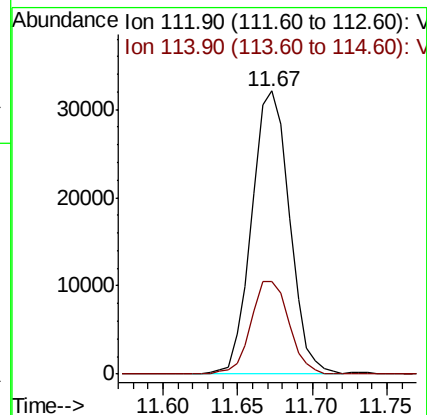
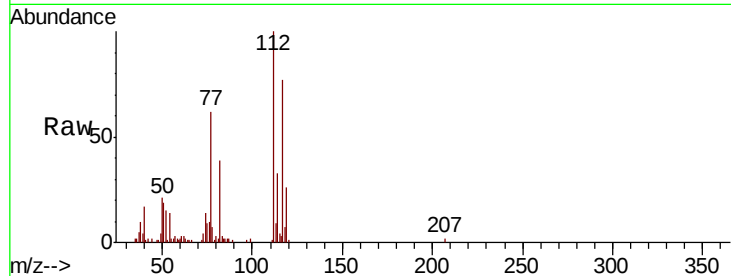
ClientSampleId :

Tot Ion:112 Resp: 56091

Ion Ratio Lower Upper

112 100

114 32.6 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 5.203 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

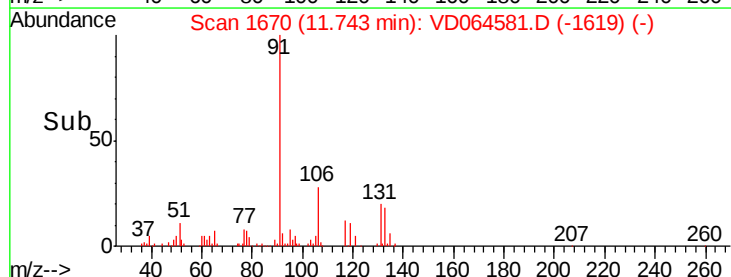
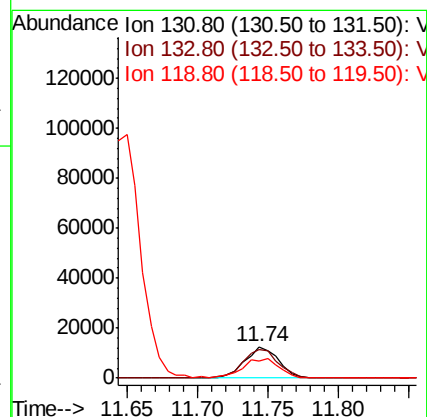
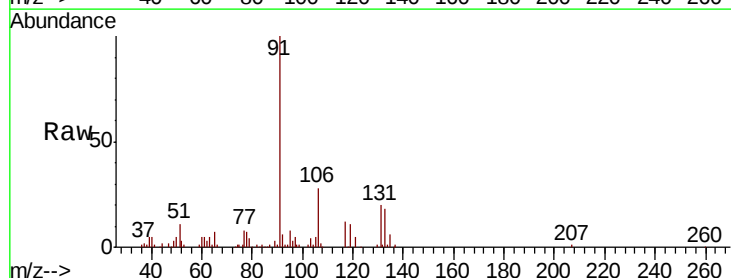
Tgt Ion:131 Resp: 21291

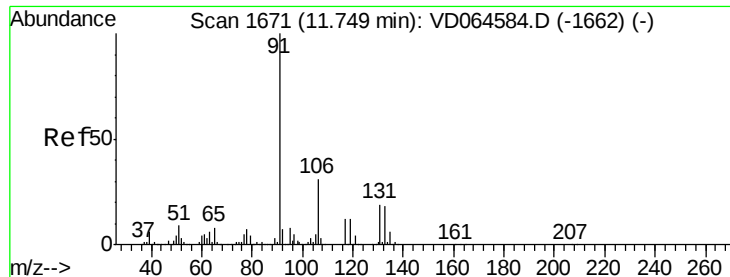
Ion Ratio Lower Upper

131 100

133 96.0 48.3 144.8

119 67.0 32.1 96.3





#67

Ethyl Benzene

Concen: 5.168 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

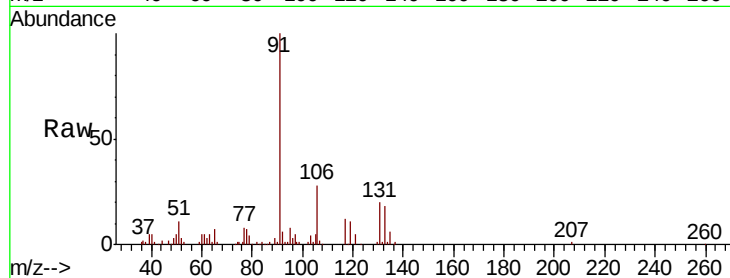
ClientSampleId :

Tot Ion: 91 Resp: 102041

Ion Ratio Lower Upper

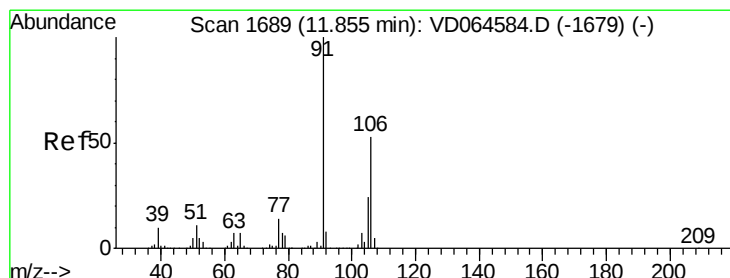
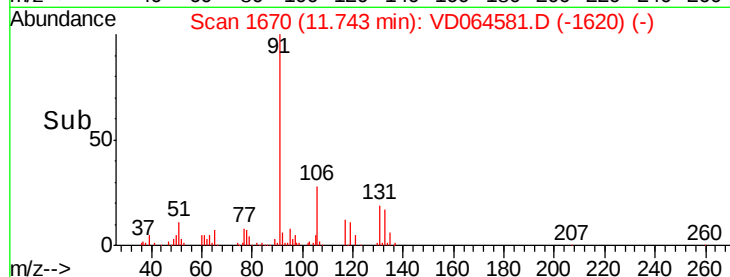
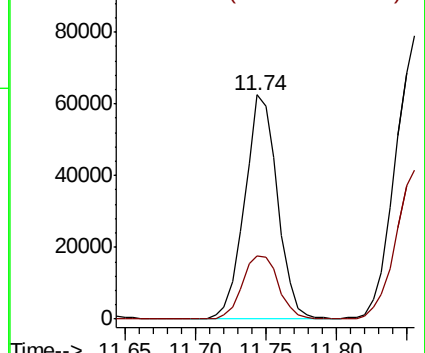
91 100

106 28.4 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: 10.330 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064581.D

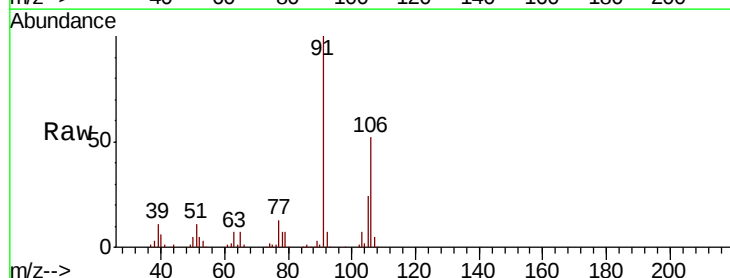
Acq: 24 Dec 2019 10:23

Tgt Ion: 106 Resp: 77983

Ion Ratio Lower Upper

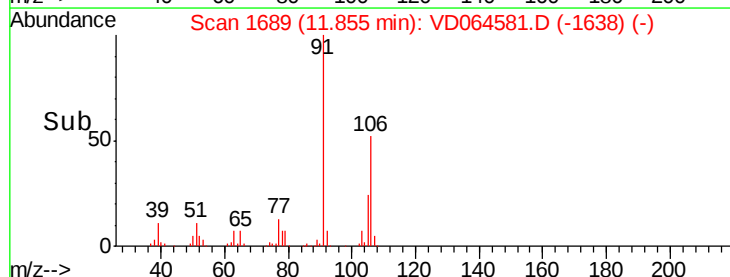
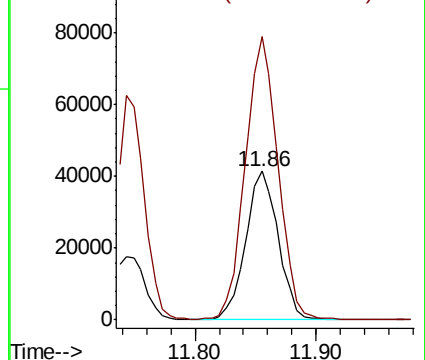
106 100

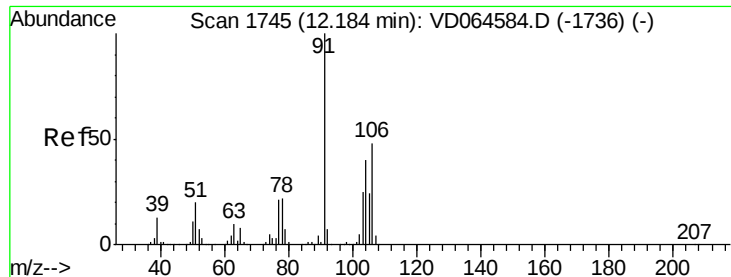
91 191.3 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

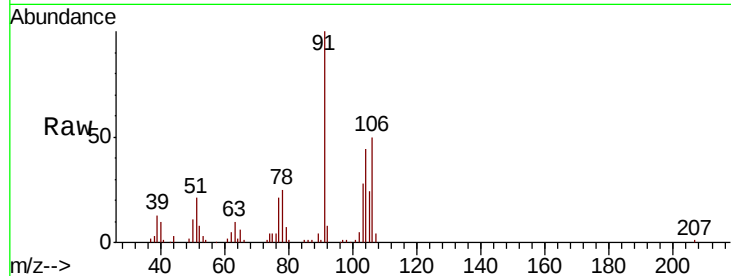




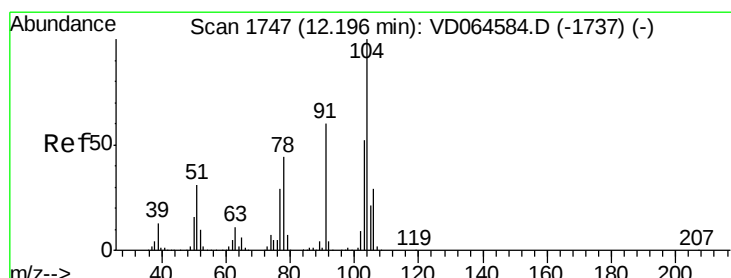
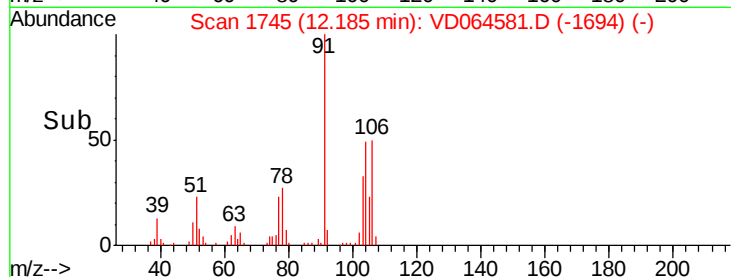
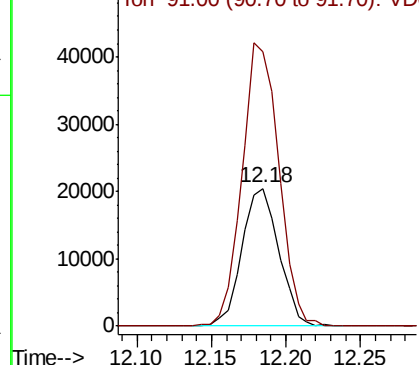
#69
o-Xylene
Concen: 5.076 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 35217
Ion Ratio Lower Upper
106 100
91 204.1 104.8 314.4

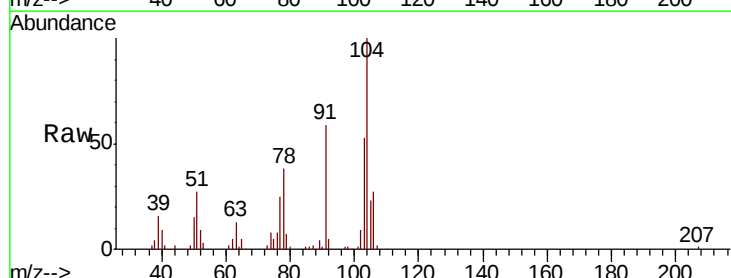


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

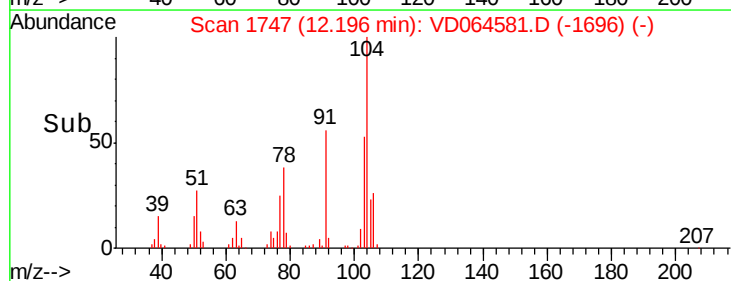
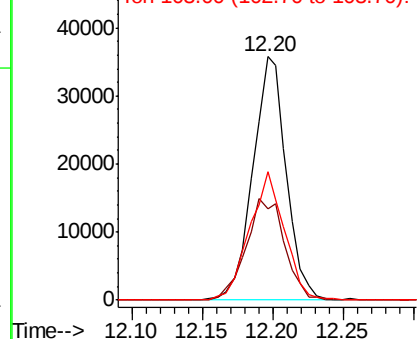


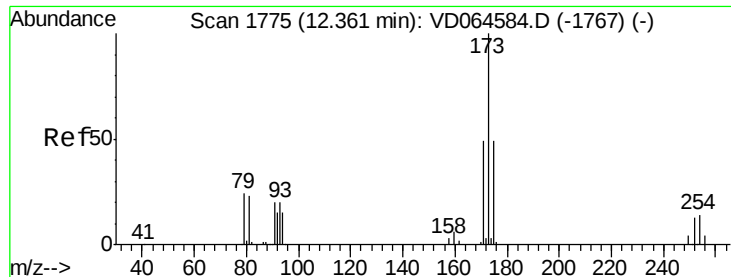
#70
Styrene
Concen: 4.908 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion:104 Resp: 59289
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.3 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: 4.975 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

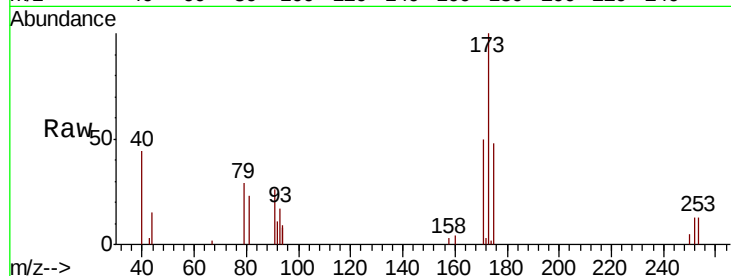
Tot Ion:173 Resp: 12152

Ion Ratio Lower Upper

173 100

175 58.1 24.6 73.8

254 0.0 0.1 0.1#

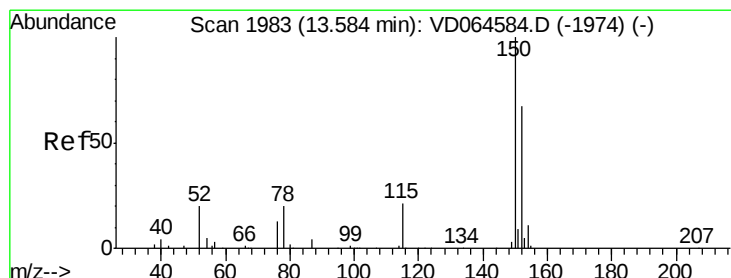
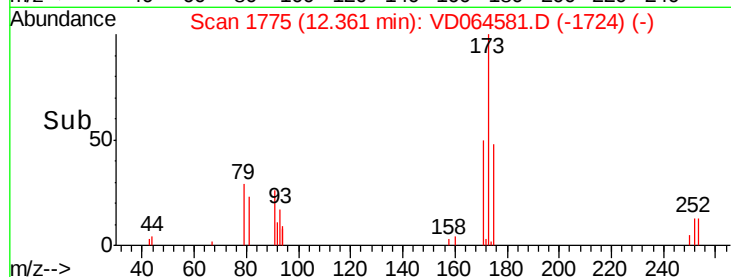
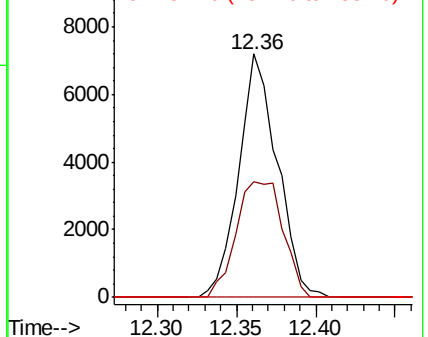


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

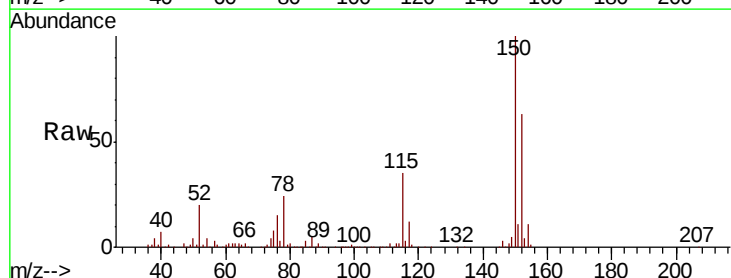
Tgt Ion:152 Resp: 253990

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

150 158.5 0.0 351.4

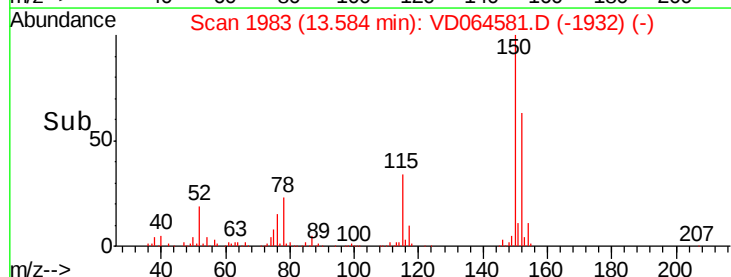
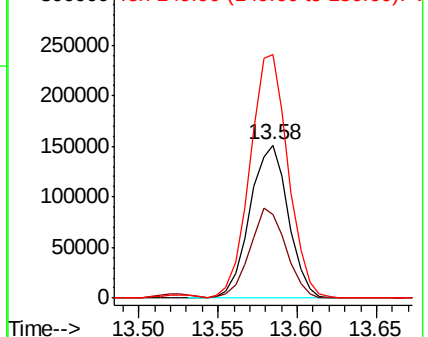


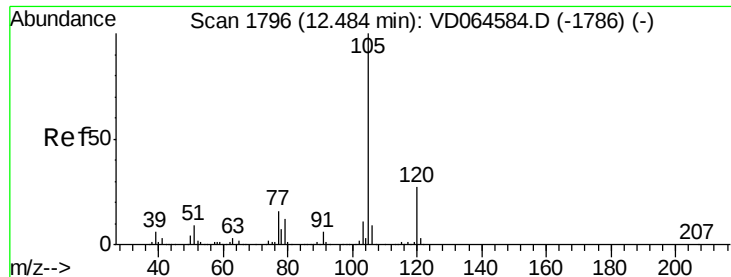
Abundance

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: 5.125 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

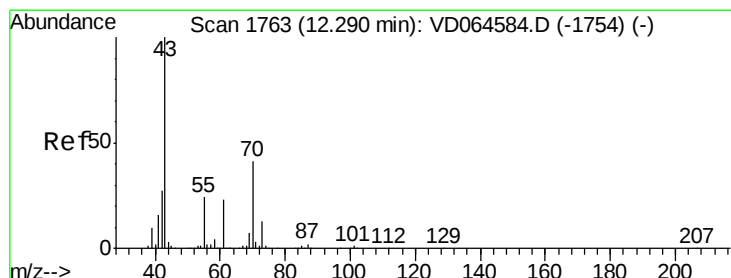
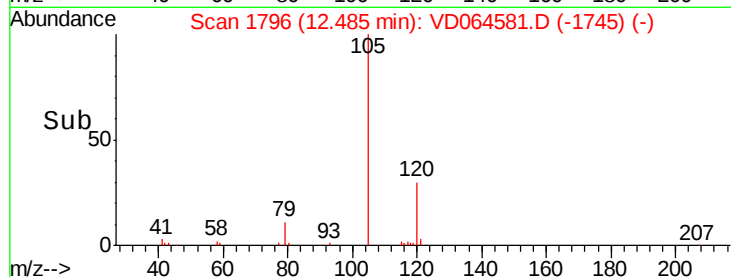
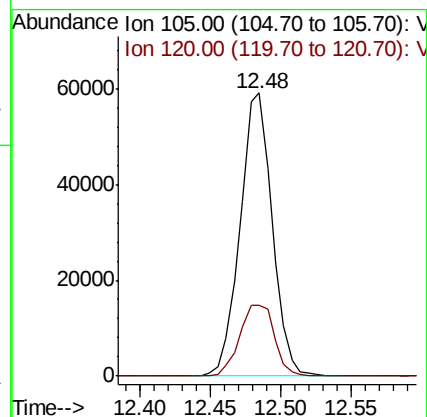
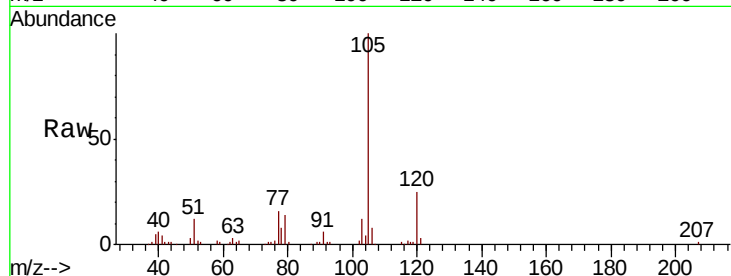
ClientSampleId :

Tot Ion:105 Resp: 93886

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 4.596 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 18885

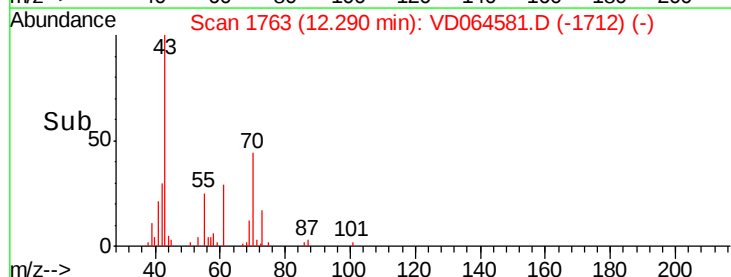
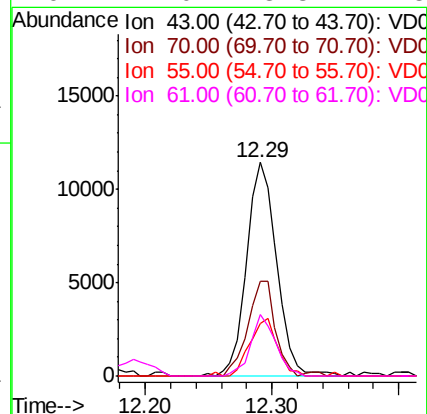
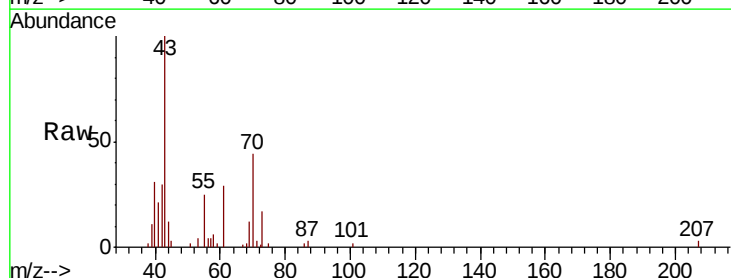
Ion Ratio Lower Upper

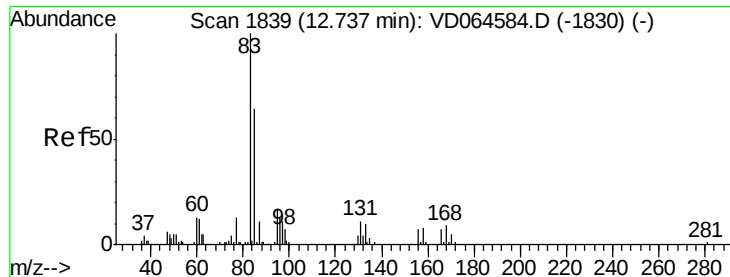
43 100

70 40.7 33.4 50.0

55 24.7 19.4 29.0

61 24.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.177 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampled :

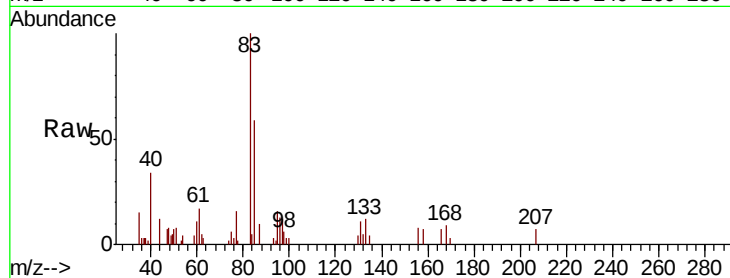
Tot Ion: 83 Resp: 15500

Ion Ratio Lower Upper

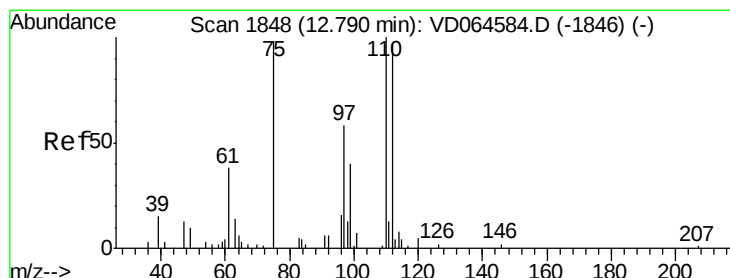
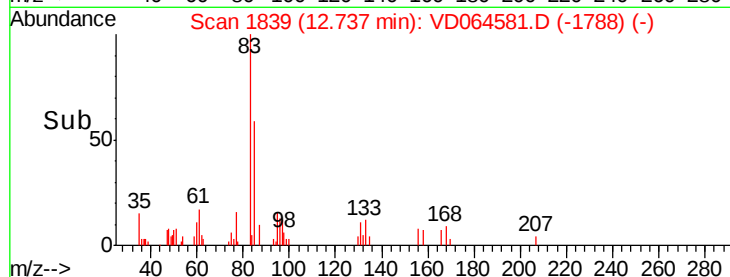
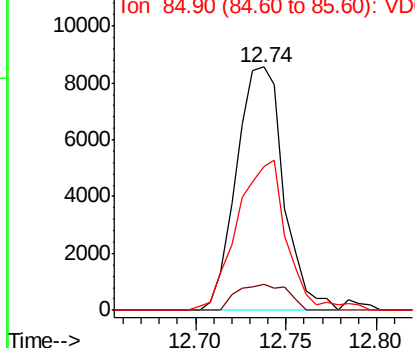
83 100

131 11.6 5.8 17.4

85 65.2 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: 5.837 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064581.D

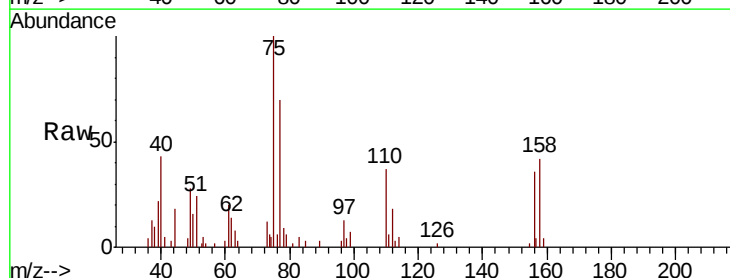
Acq: 24 Dec 2019 10:23

Tgt Ion: 75 Resp: 11948

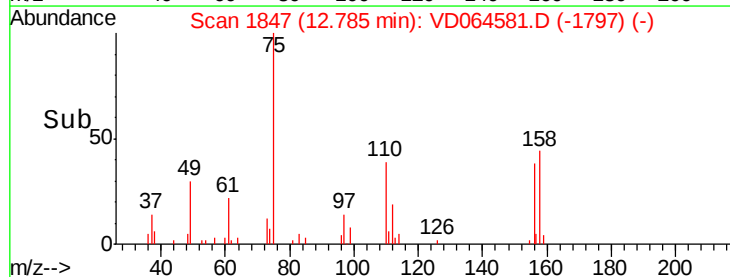
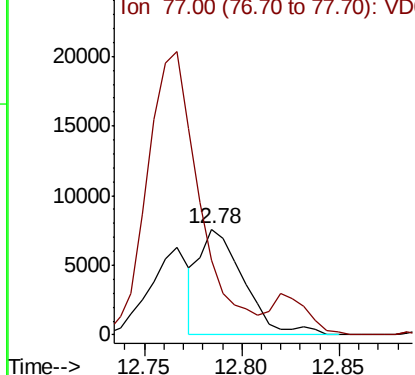
Ion Ratio Lower Upper

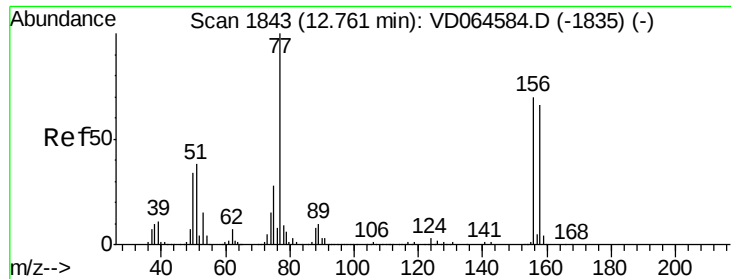
75 100

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: 5.109 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

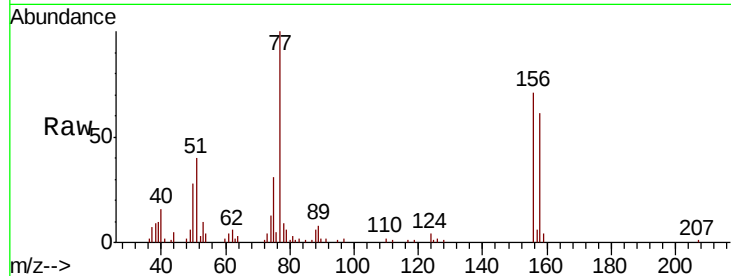
Tot Ion:156 Resp: 23008

Ion Ratio Lower Upper

156 100

77 163.7 80.9 242.7

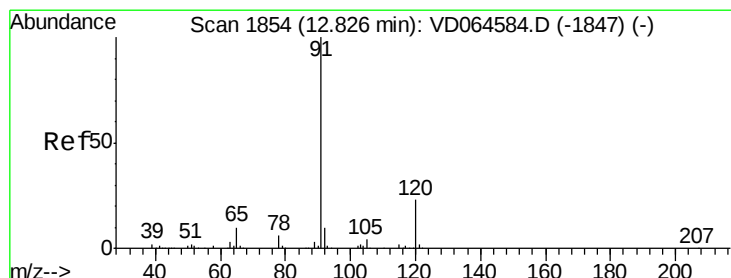
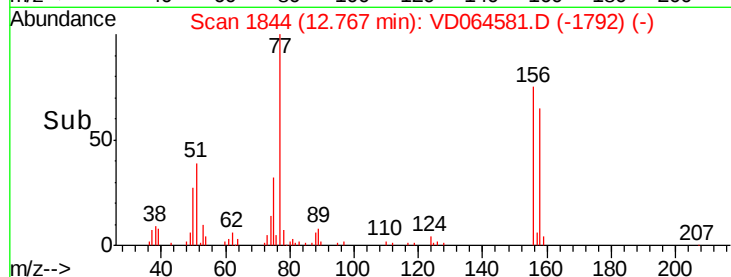
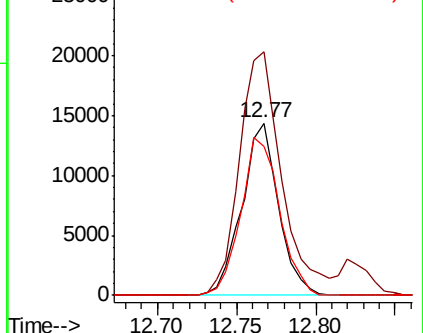
158 97.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.122 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064581.D

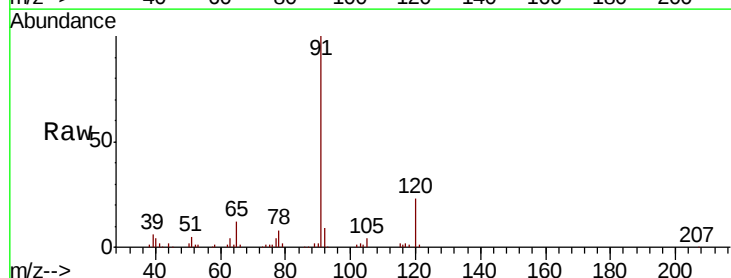
Acq: 24 Dec 2019 10:23

Tgt Ion: 91 Resp: 108337

Ion Ratio Lower Upper

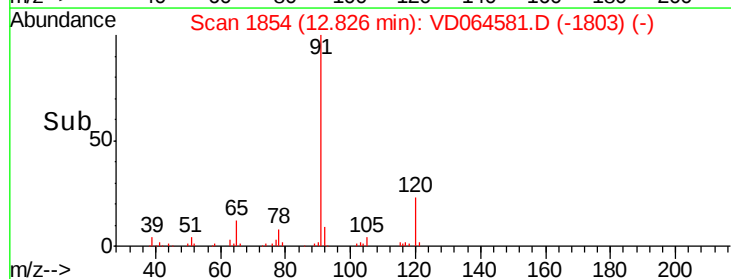
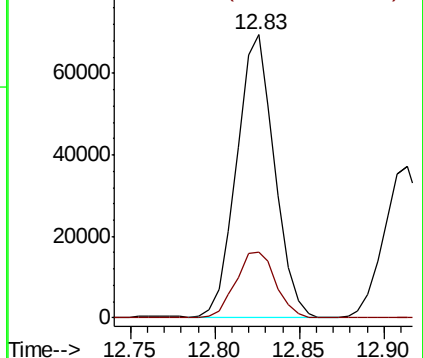
91 100

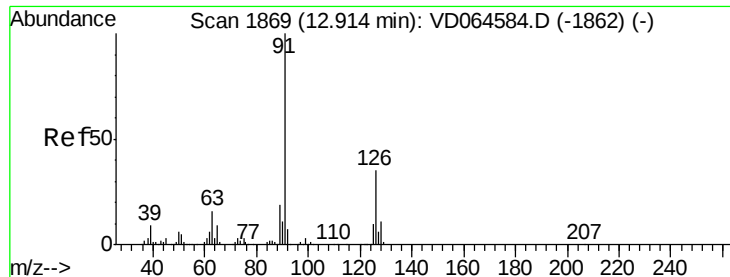
120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

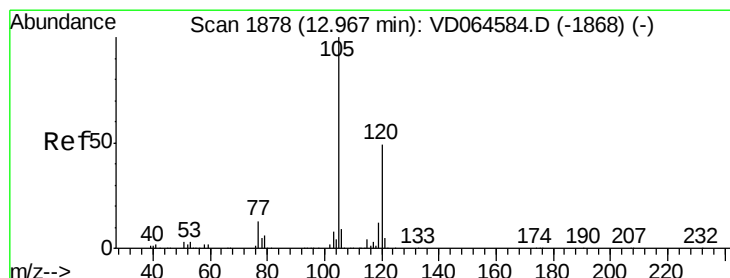
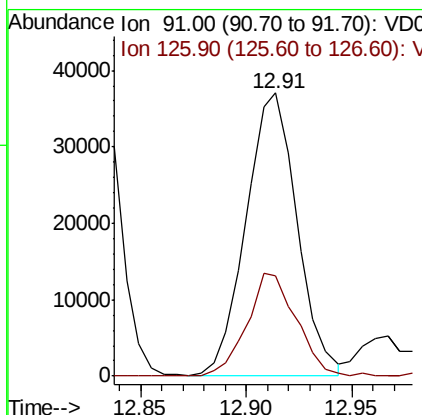
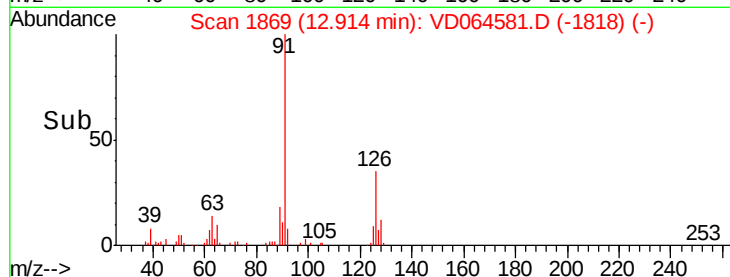
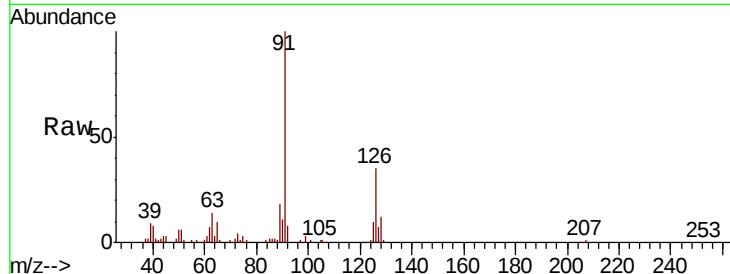




#79
 2-Chlorotoluene
 Concen: 5.381 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

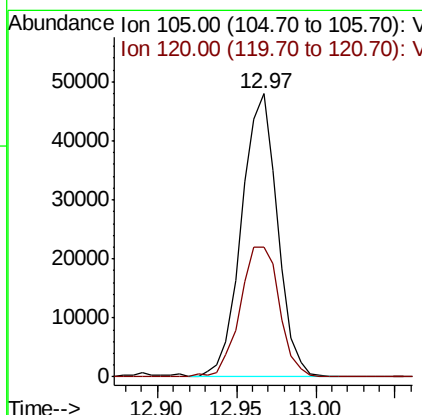
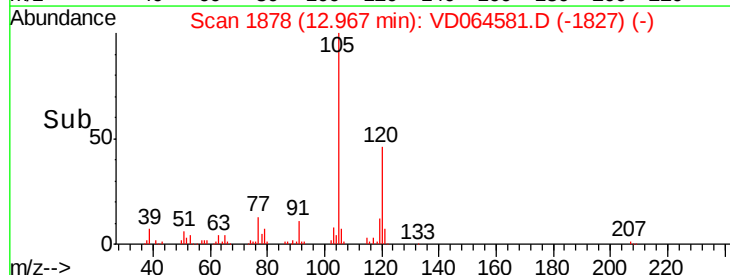
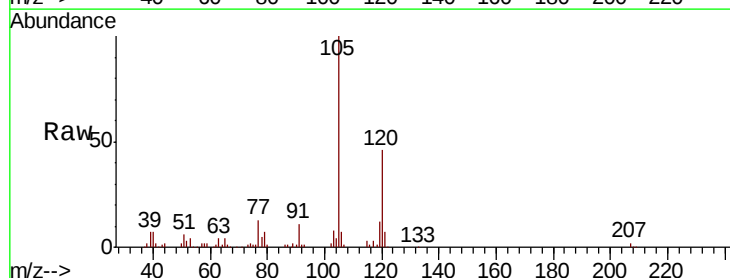
Instrument :
 MSVOA_D
 ClientSampleId :

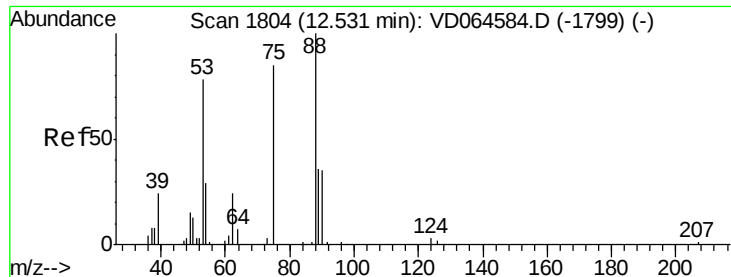
Tot Ion: 91 Resp: 62513
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 5.037 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 105 Resp: 75407
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.483 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

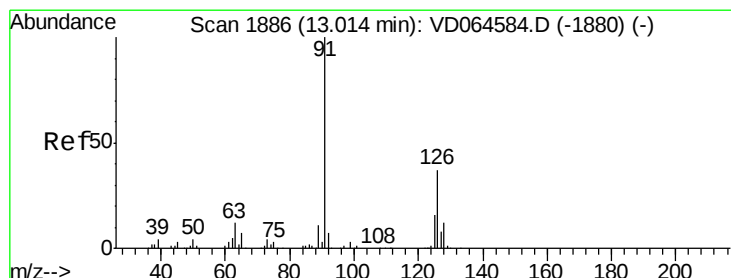
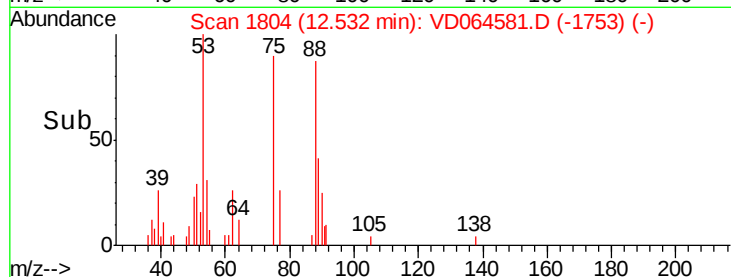
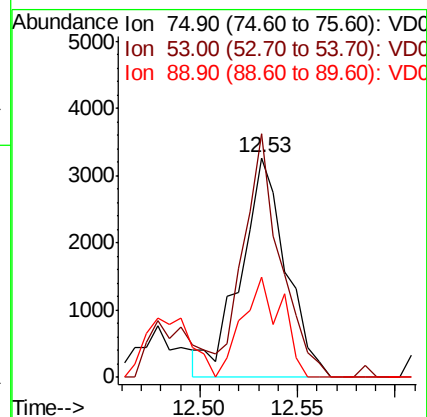
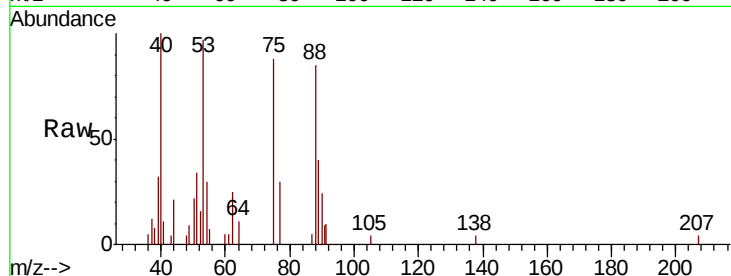
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 5250

Ion	Ratio	Lower	Upper
75	100		
53	89.5	78.8	118.2
89	40.1	38.3	57.5



#82

4-Chlorotoluene

Concen: 5.310 ug/l

RT: 13.01 min Scan# 1886

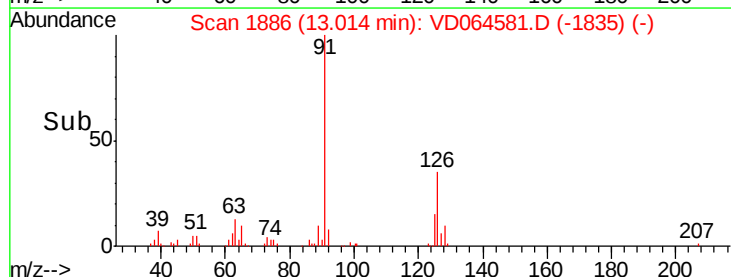
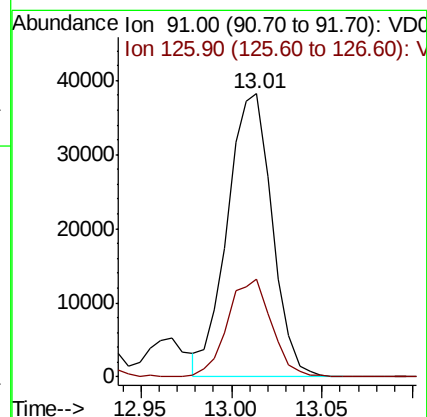
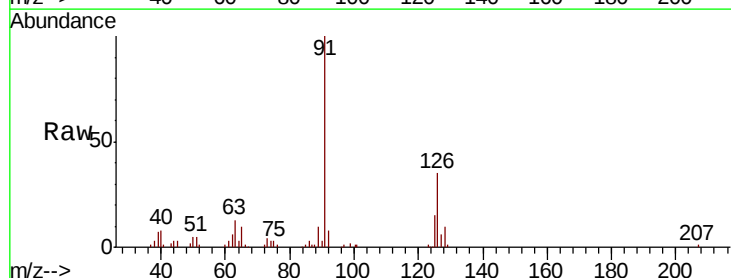
Delta R.T. 0.00 min

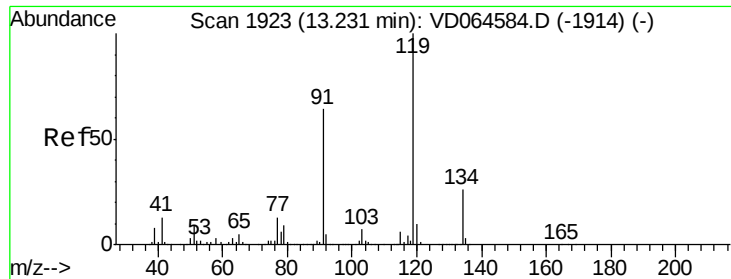
Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 91 Resp: 65418

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.8	53.5

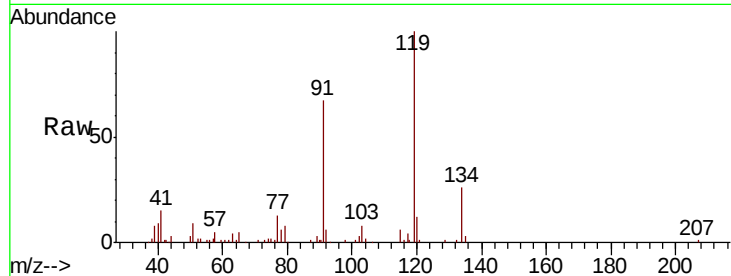




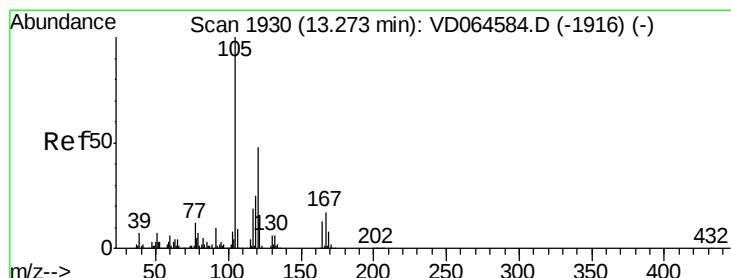
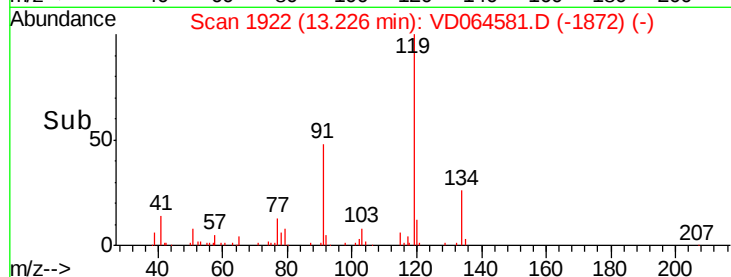
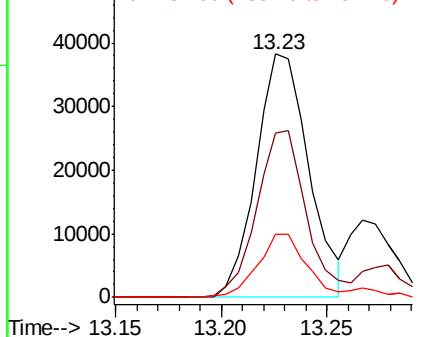
#83
tert-Butylbenzene
Concen: 5.091 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 66300
Ion Ratio Lower Upper
119 100
91 65.1 30.8 92.4
134 23.7 12.8 38.3

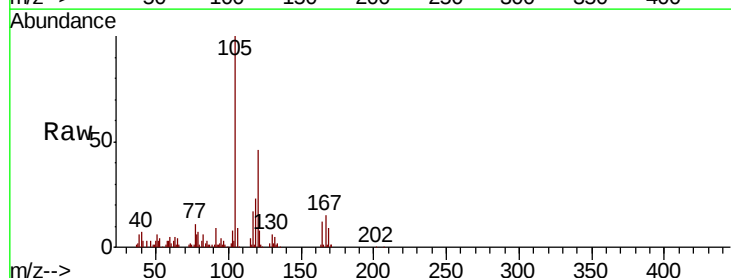


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

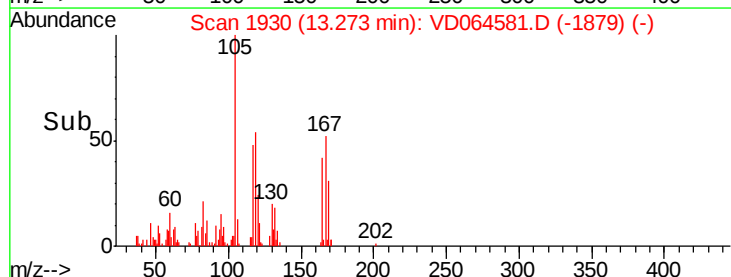
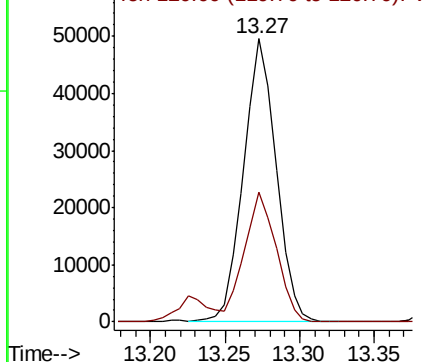


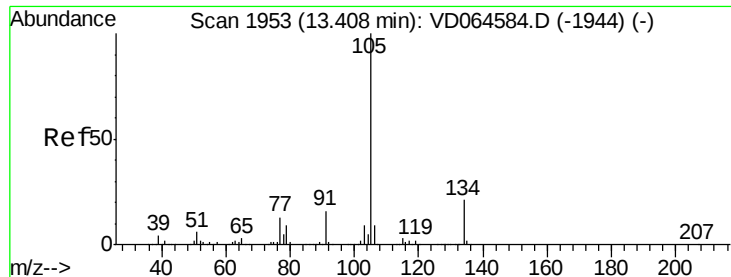
#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion:105 Resp: 75267
Ion Ratio Lower Upper
105 100
120 44.5 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: 5.032 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

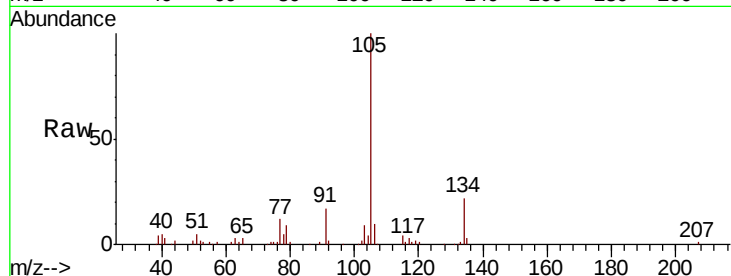
ClientSampleId :

Tot Ion:105 Resp: 89810

Ion Ratio Lower Upper

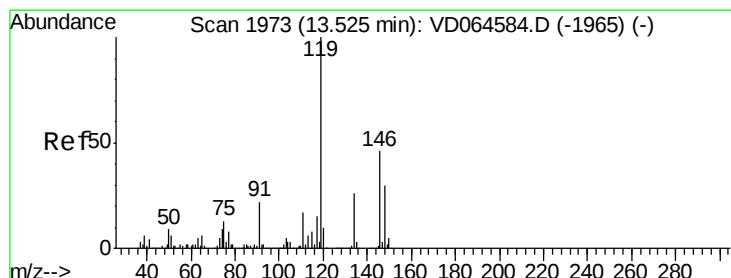
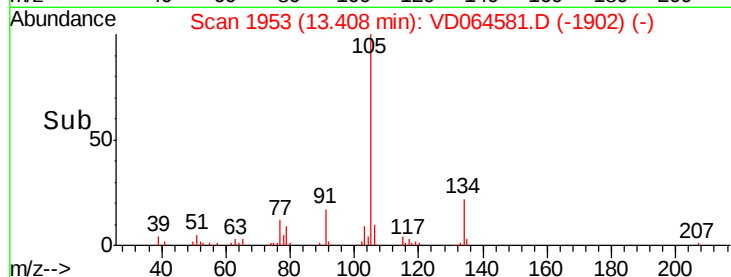
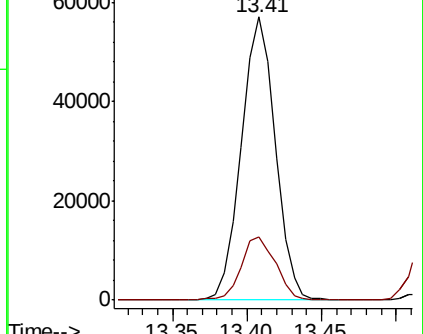
105 100

134 22.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.038 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

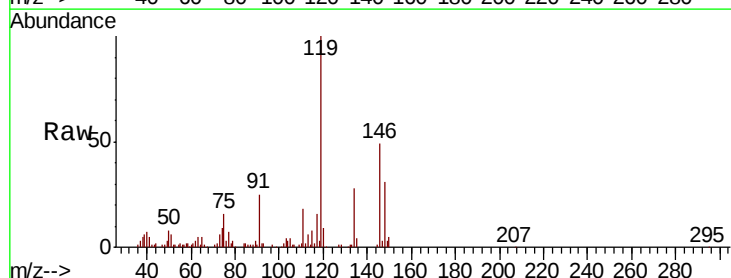
Tgt Ion:119 Resp: 85245

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

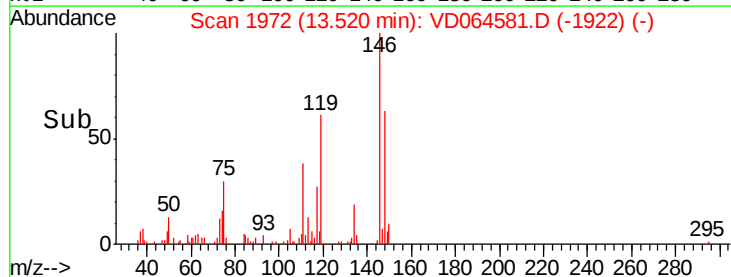
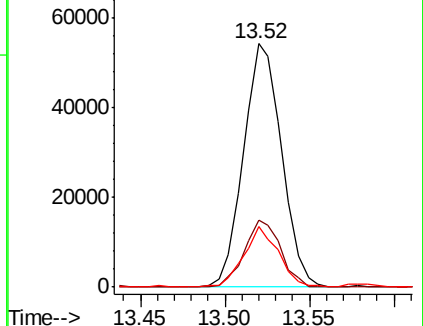
91 22.7 11.2 33.6

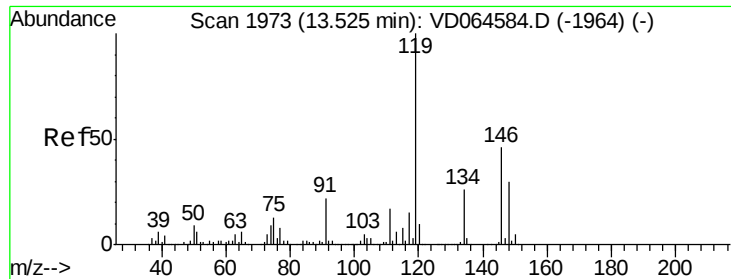


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

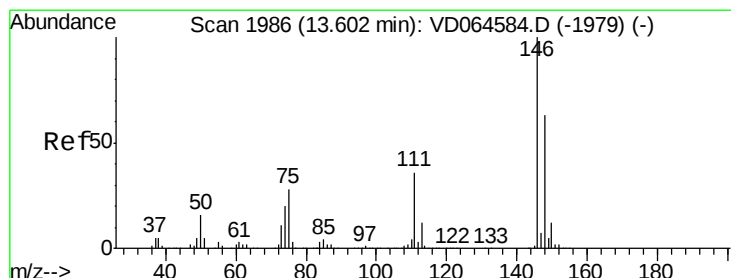
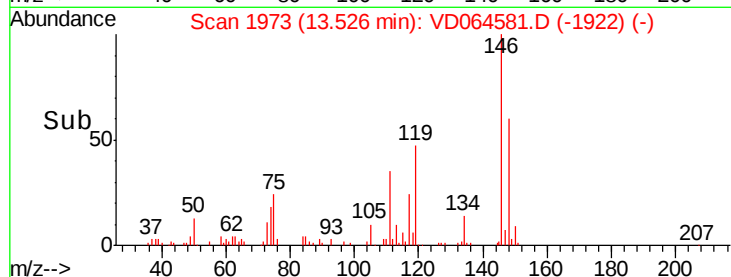
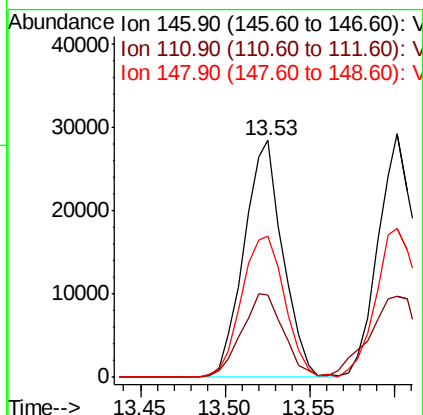
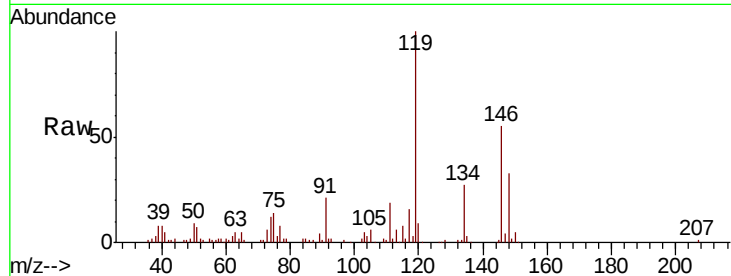




#87
 1,3-Dichlorobenzene
 Concen: 5.304 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

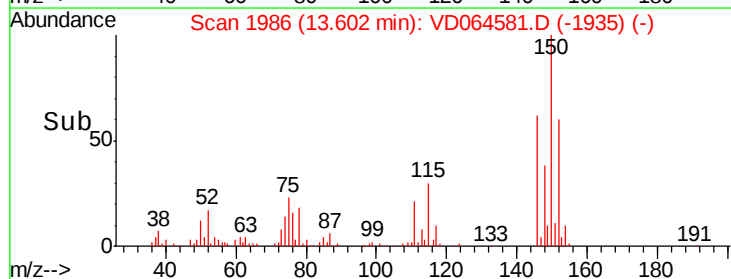
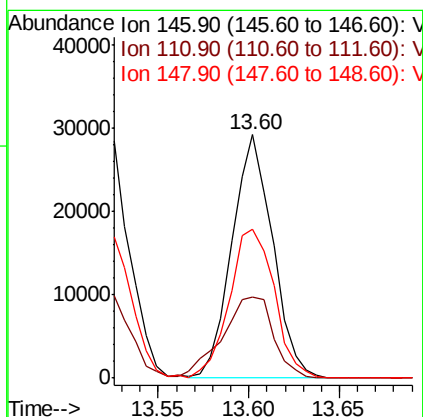
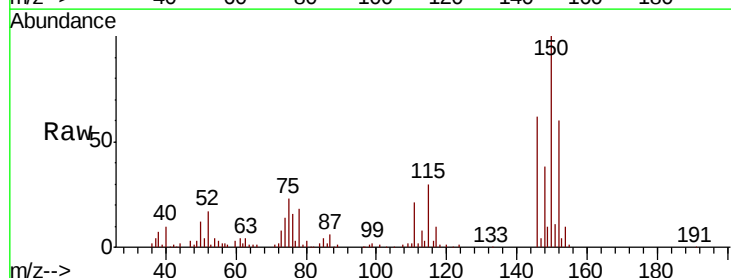
Instrument :
 MSVOA_D
 ClientSampleId :

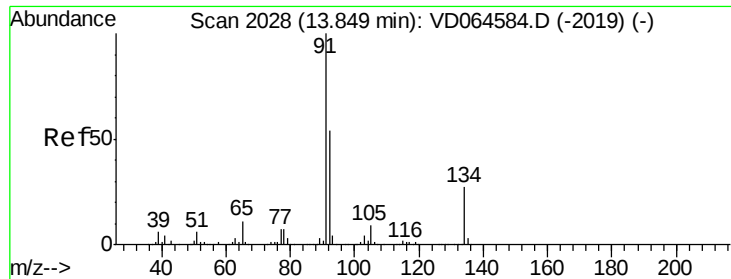
Tot Ion:146 Resp: 45442
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 66.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 5.385 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:146 Resp: 45572
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.1 54.1
 148 67.6 32.3 96.9

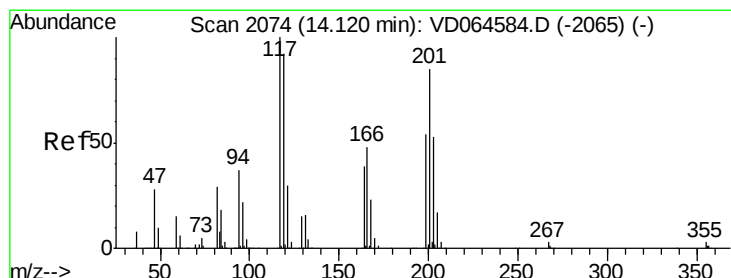
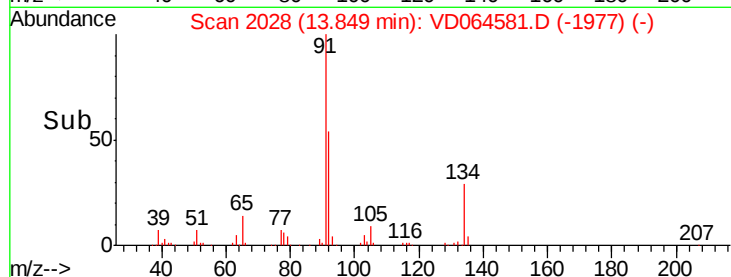
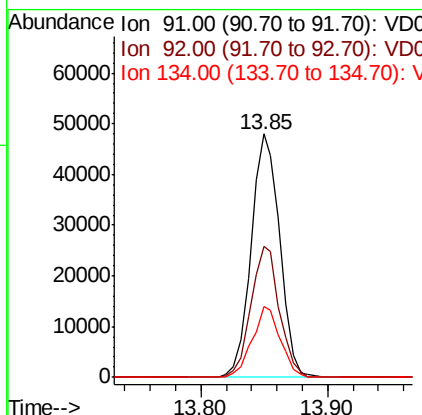
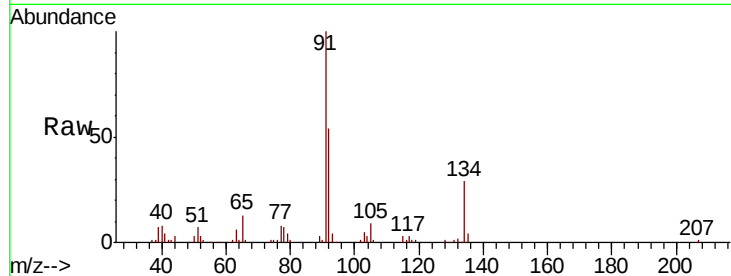




#89
n-Butylbenzene
Concen: 4.903 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

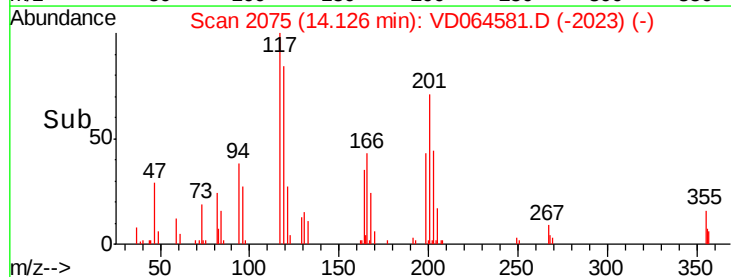
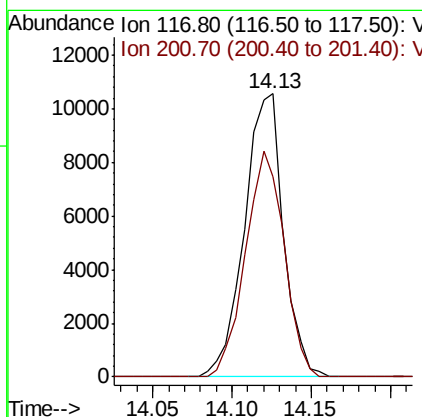
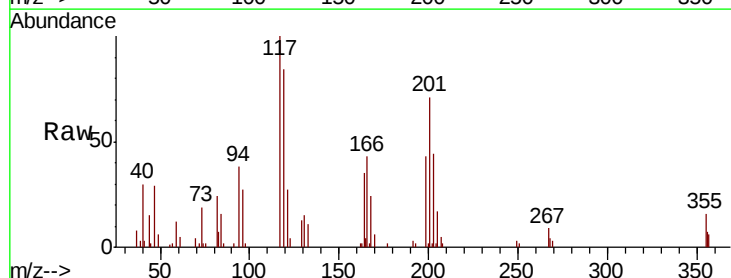
Instrument :
MSVOA_D
ClientSampleId :

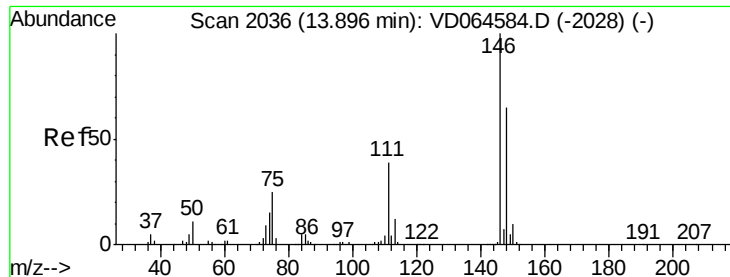
Tot Ion: 91 Resp: 75083
Ion Ratio Lower Upper
91 100
92 53.8 26.8 80.4
134 28.6 14.0 41.9



#90
Hexachloroethane
Concen: 5.712 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 117 Resp: 18098
Ion Ratio Lower Upper
117 100
201 79.0 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 5.317 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampled :

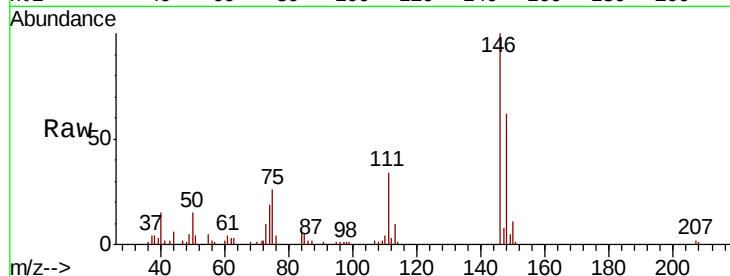
Tot Ion:146 Resp: 38827

Ion Ratio Lower Upper

146 100

111 36.7 19.3 57.9

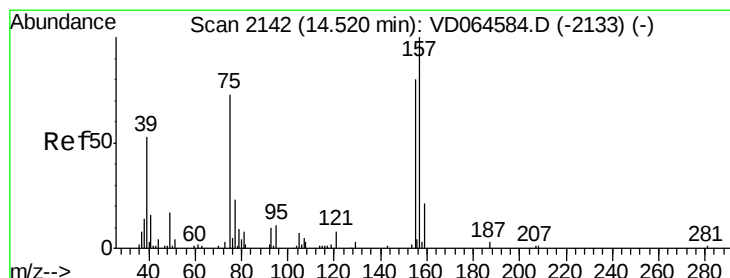
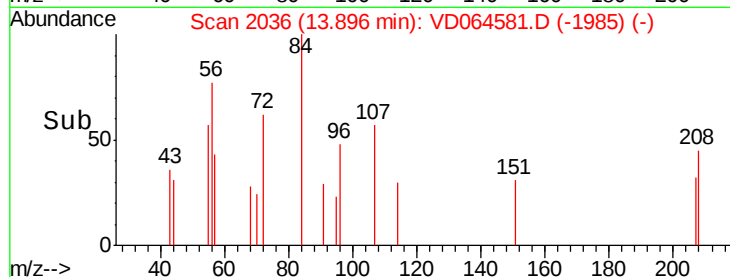
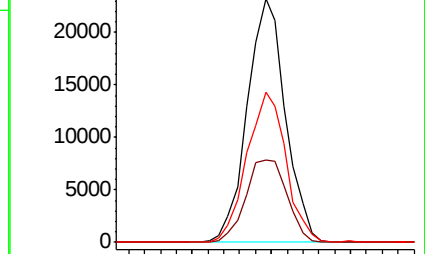
148 63.0 31.9 95.5



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: 5.140 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

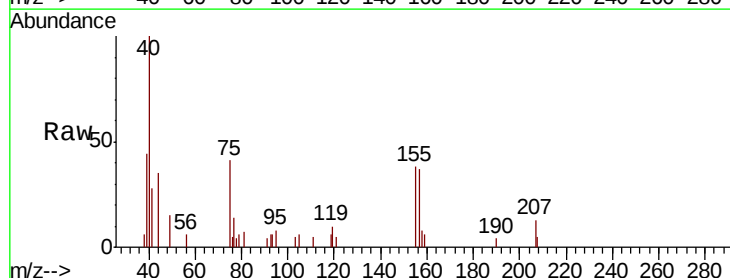
Tgt Ion: 75 Resp: 2593

Ion Ratio Lower Upper

75 100

155 81.8 48.0 144.0

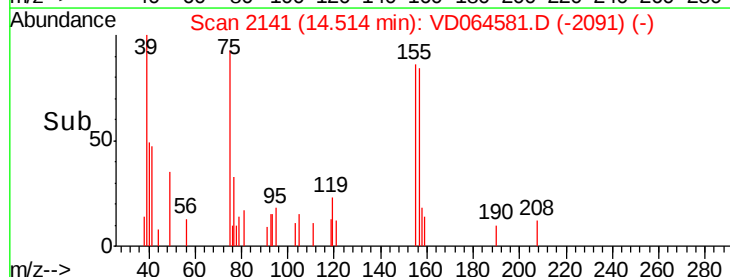
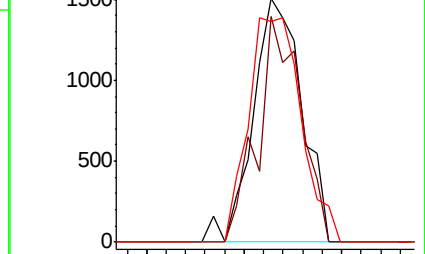
157 100.5 64.1 192.3

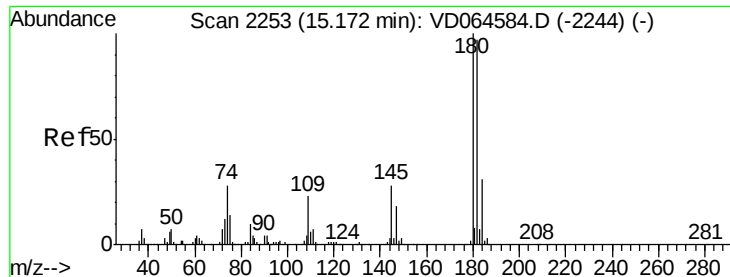


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

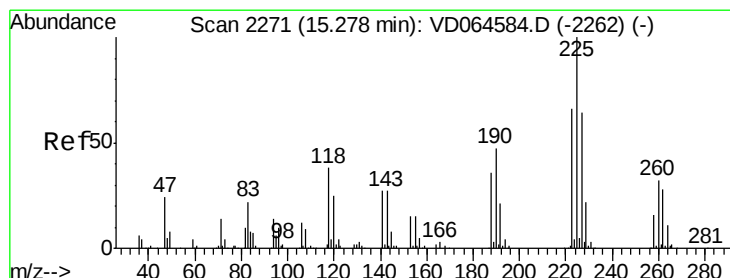
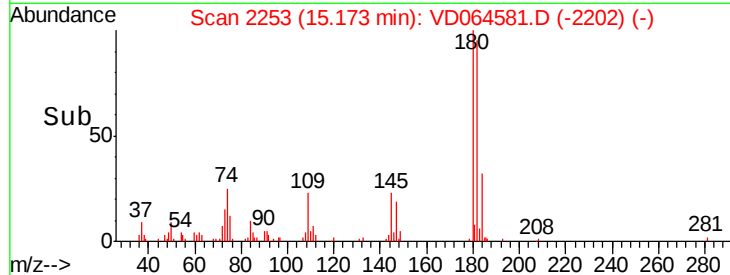
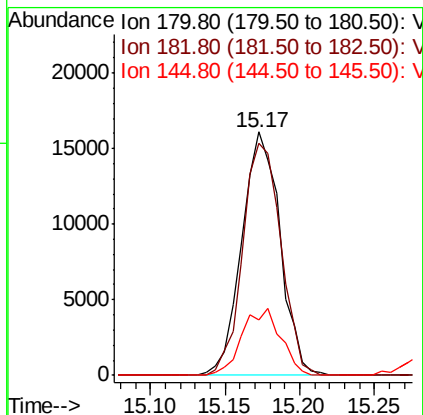
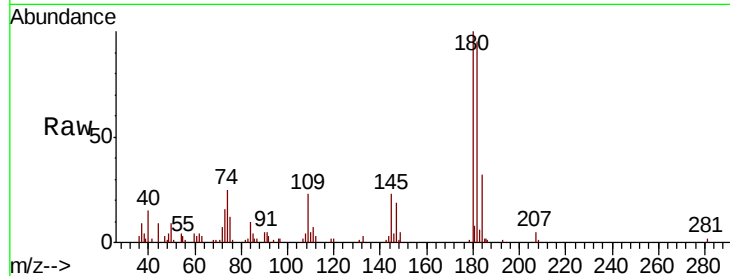




#93
 1,2,4-Trichlorobenzene
 Concen: 5.106 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

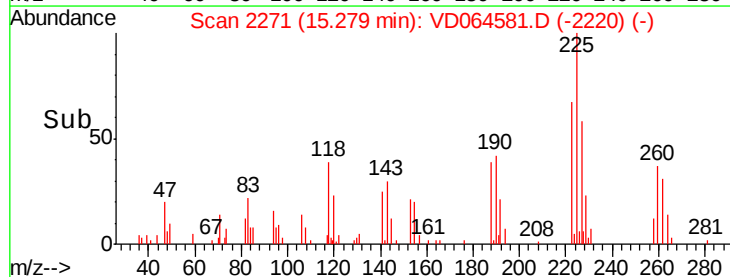
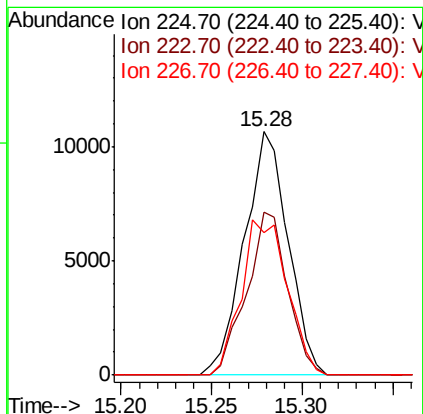
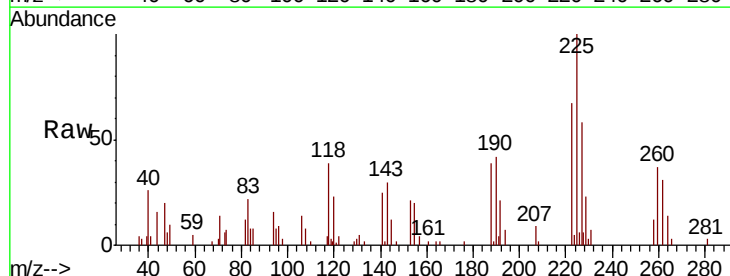
Instrument :
 MSVOA_D
 ClientSampleId :

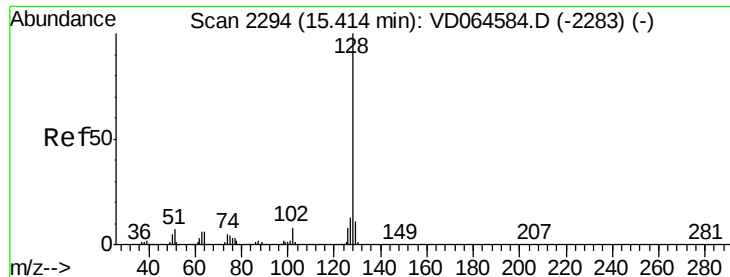
Tot Ion:180 Resp: 28489
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 27.7 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 5.213 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:225 Resp: 17908
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 66.7 30.9 92.7

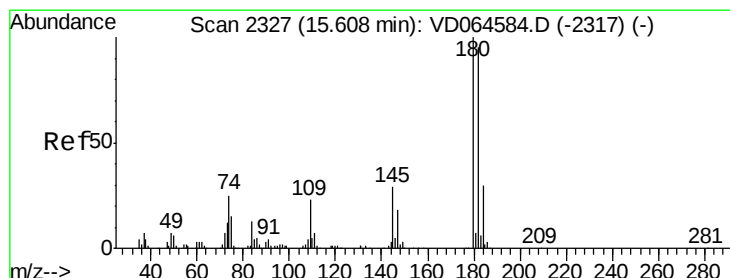
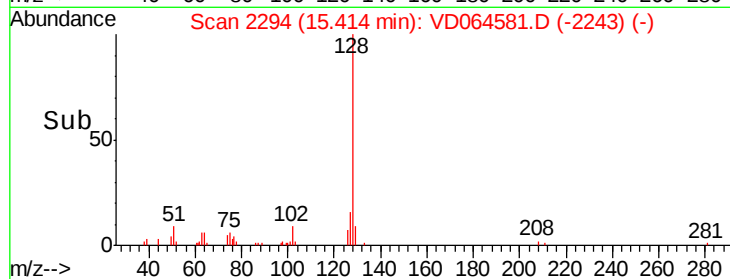
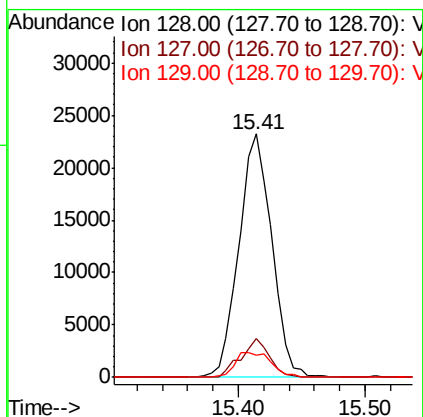
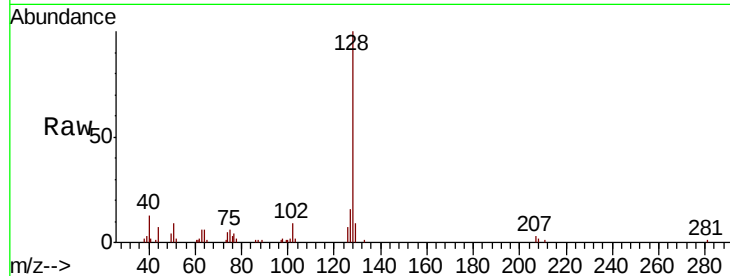




#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 41809
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 4.960 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion:180 Resp: 23559
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 32.4 14.9 44.7

