

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064751.D
 Acq On : 04 Jan 2020 00:38
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	349723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	532041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182344	59.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.26%	
35) Dibromofluoromethane	7.92	113	178334	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
50) Toluene-d8	10.34	98	661236	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	216398	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49515	18.218	ug/l	95
3) Chloromethane	2.21	50	82435	21.687	ug/l	97
4) Vinyl Chloride	2.35	62	94650	20.423	ug/l	96
5) Bromomethane	2.76	94	71384	21.184	ug/l	93
6) Chloroethane	2.91	64	68541	22.071	ug/l	93
7) Trichlorofluoromethane	3.27	101	158932	20.367	ug/l	99
8) Diethyl Ether	3.70	74	33829	21.831	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64854	20.068	ug/l	97
10) Methyl Iodide	4.29	142	66678	19.208	ug/l	99
11) Tert butyl alcohol	5.26	59	20632	116.740	ug/l	98
12) 1,1-Dichloroethene	4.06	96	61190	19.887	ug/l	92
13) Acrolein	3.92	56	22064	89.579	ug/l	97
14) Allyl chloride	4.71	41	99196	20.678	ug/l	98
15) Acrylonitrile	5.43	53	74313	115.131	ug/l	98
16) Acetone	4.16	43	62213	91.598	ug/l	96
17) Carbon Disulfide	4.40	76	193350	19.435	ug/l	98
18) Methyl Acetate	4.73	43	39699	22.866	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	151816	22.215	ug/l	97
20) Methylene Chloride	4.96	84	81446	23.205	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	72357	20.650	ug/l	93
22) Diisopropyl ether	6.37	45	215127	22.483	ug/l	95
23) Vinyl Acetate	6.31	43	585918	107.949	ug/l	99
24) 1,1-Dichloroethane	6.27	63	127388	22.177	ug/l	96
25) 2-Butanone	7.22	43	91371	107.791	ug/l	93
26) 2,2-Dichloropropane	7.21	77	99687	18.666	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	83382	22.049	ug/l	99
28) Bromochloromethane	7.55	49	48739	21.827	ug/l	99
29) Tetrahydrofuran	7.57	42	59511	112.893	ug/l	97
30) Chloroform	7.71	83	136200	22.600	ug/l	99
31) Cyclohexane	7.98	56	108563	18.881	ug/l	# 96
32) 1,1,1-Trichloroethane	7.90	97	117270	20.717	ug/l	98
36) 1,1-Dichloropropene	8.11	75	101643	19.849	ug/l	98
37) Ethyl Acetate	7.30	43	40911	20.336	ug/l	96
38) Carbon Tetrachloride	8.10	117	108235	19.822	ug/l	95

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:50:41 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	110332	17.789	ug/l	99
40) Benzene	8.35	78	292984	20.958	ug/l	99
41) Methacrylonitrile	7.53	41	21233	18.191	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	89708	22.207	ug/l	99
43) Isopropyl Acetate	8.46	43	81995	20.477	ug/l	99
44) Trichloroethene	9.11	130	81807	19.920	ug/l	95
45) 1,2-Dichloropropane	9.39	63	72236	21.642	ug/l	97
46) Dibromomethane	9.48	93	39960	21.473	ug/l	96
47) Bromodichloromethane	9.67	83	107319	21.672	ug/l	96
48) Methyl methacrylate	9.46	41	38985	20.677	ug/l	93
49) 1,4-Dioxane	9.47	88	8149	379.770	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	209605	105.904	ug/l	100
52) Toluene	10.40	92	186092	20.290	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	96100	20.816	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	114256	20.988	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53282	21.246	ug/l	94
56) Ethyl methacrylate	10.67	69	66526	21.240	ug/l	97
57) 1,3-Dichloropropane	10.95	76	91674	21.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	136040	114.004	ug/l	100
59) 2-Hexanone	10.99	43	137066	102.035	ug/l	99
60) Dibromochloromethane	11.14	129	74468	21.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	52964	21.412	ug/l	99
64) Tetrachloroethene	10.88	164	76582	20.648	ug/l	97
65) Chlorobenzene	11.67	112	206262	20.556	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	76148	20.131	ug/l	97
67) Ethyl Benzene	11.75	91	353527	19.412	ug/l	99
68) m/p-Xylenes	11.86	106	268622	38.213	ug/l	97
69) o-Xylene	12.18	106	122157	19.239	ug/l	96
70) Styrene	12.20	104	221899	19.910	ug/l	99
71) Bromoform	12.37	173	44251	20.514	ug/l #	97
73) Isopropylbenzene	12.48	105	329001	19.119	ug/l	100
74) N-amyl acetate	12.30	43	75077	20.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59571	22.037	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	73693	38.756	ug/l #	100
77) Bromobenzene	12.77	156	86918	20.557	ug/l	98
78) n-propylbenzene	12.83	91	390715	19.463	ug/l	99
79) 2-Chlorotoluene	12.91	91	224439	20.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	275776	19.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17843	19.626	ug/l	98
82) 4-Chlorotoluene	13.01	91	233435	19.891	ug/l	98
83) tert-Butylbenzene	13.23	119	233353	19.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	287532	20.424	ug/l	97
85) sec-Butylbenzene	13.41	105	317585	18.875	ug/l	100
86) p-Isopropyltoluene	13.53	119	306312	19.039	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161117	19.989	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	159426	20.134	ug/l	98
89) n-Butylbenzene	13.86	91	273039	18.846	ug/l	99
90) Hexachloroethane	14.12	117	62897	20.466	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	139250	20.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9216	21.031	ug/l	91

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

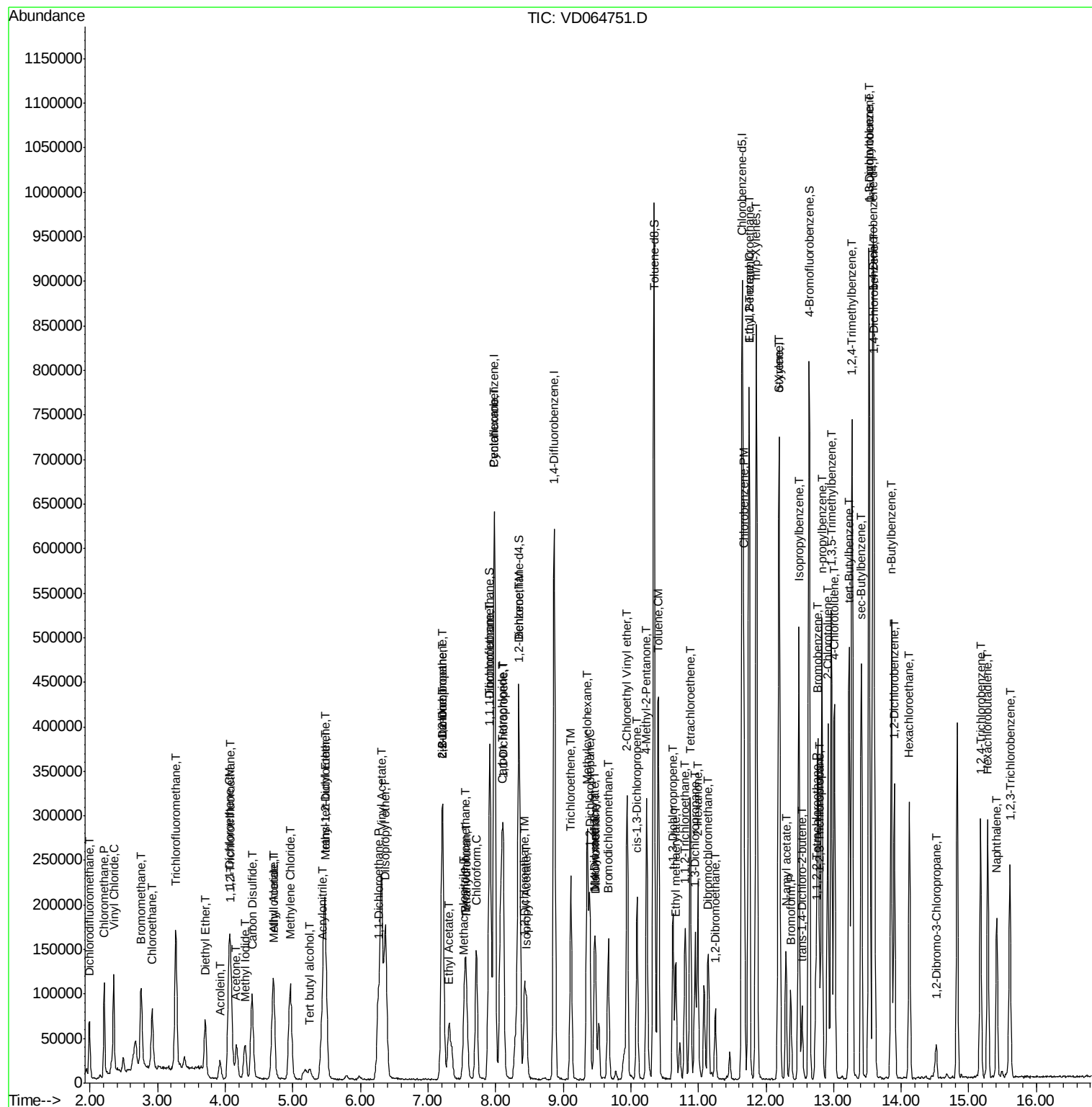
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98021	19.369	ug/l	99
94) Hexachlorobutadiene	15.28	225	57341	18.006	ug/l	98
95) Naphthalene	15.41	128	151318	18.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	85423	19.772	ug/l	99

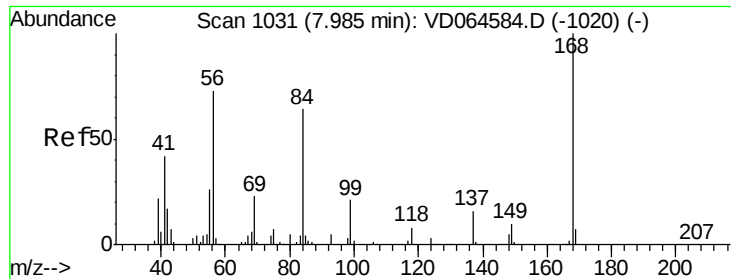
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064751.D
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

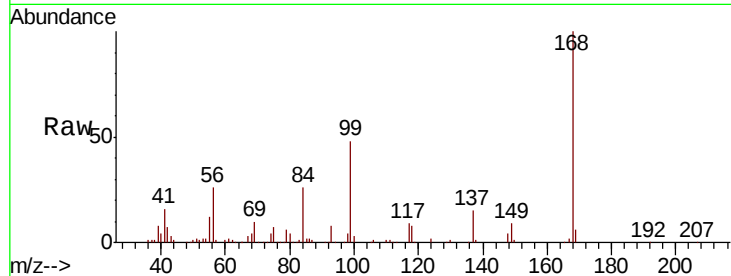
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 349723

Ion Ratio Lower Upper

168 100

99 48.1 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

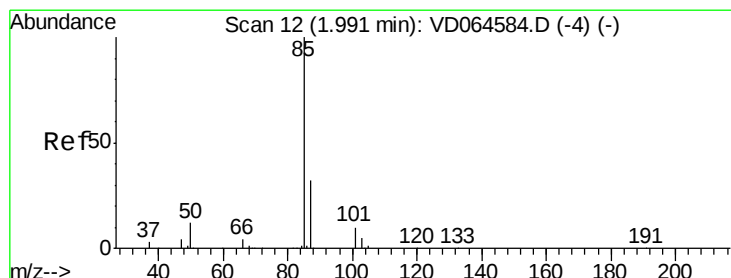
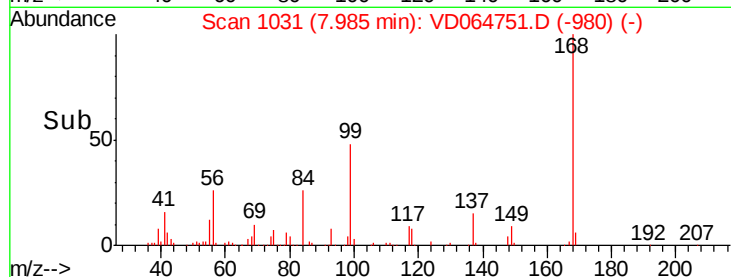
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.218 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064751.D

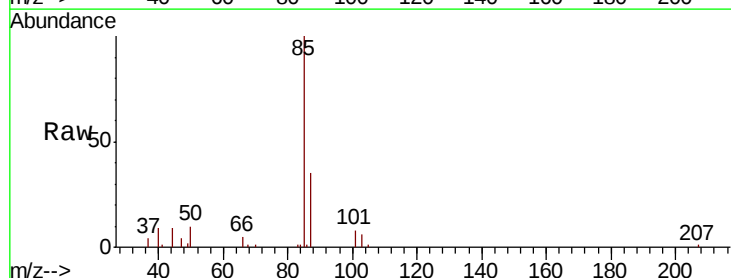
Acq: 04 Jan 2020 00:38

Tgt Ion: 85 Resp: 49515

Ion Ratio Lower Upper

85 100

87 34.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

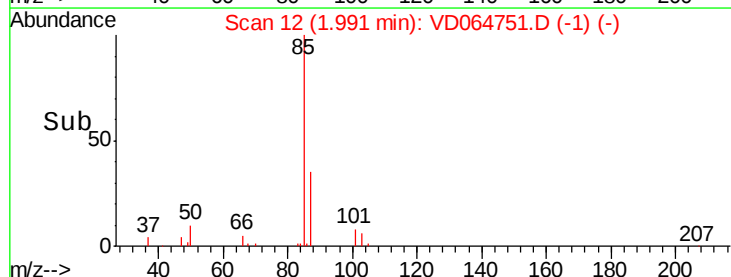
20000

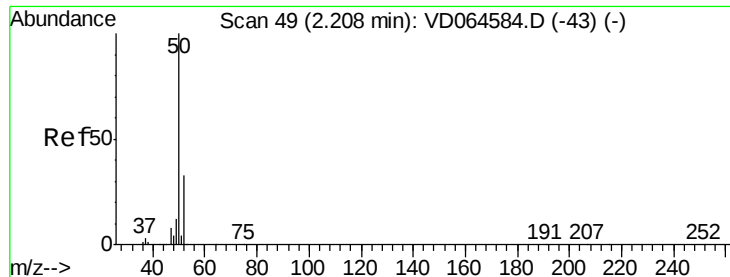
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.687 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

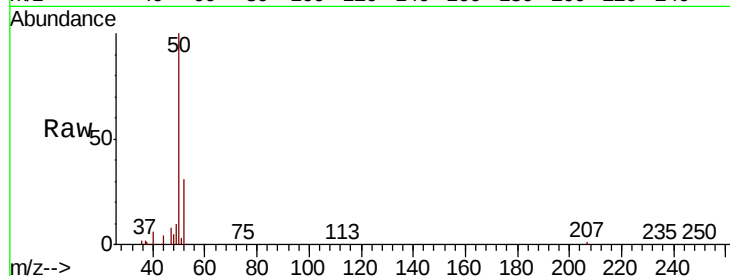
ClientSampleId :

Tot Ion: 50 Resp: 82435

Ion Ratio Lower Upper

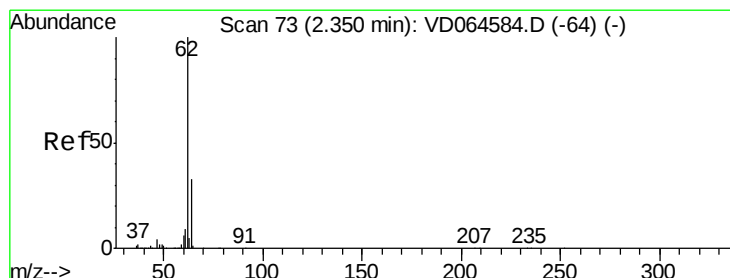
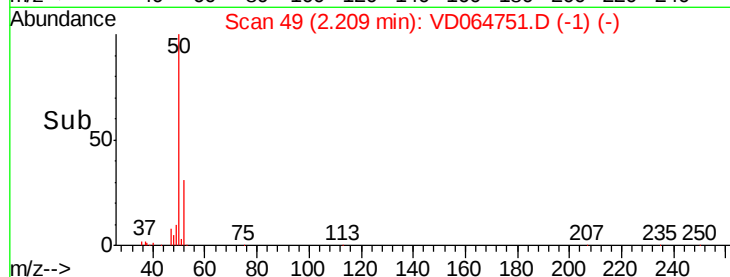
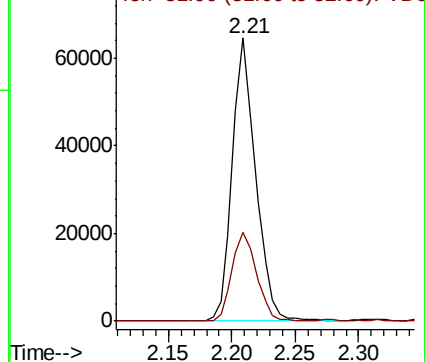
50 100

52 31.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.423 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064751.D

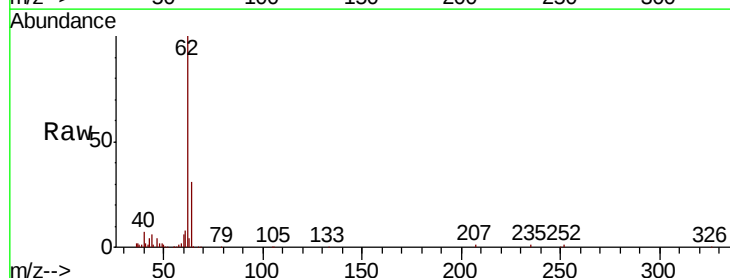
Acq: 04 Jan 2020 00:38

Tgt Ion: 62 Resp: 94650

Ion Ratio Lower Upper

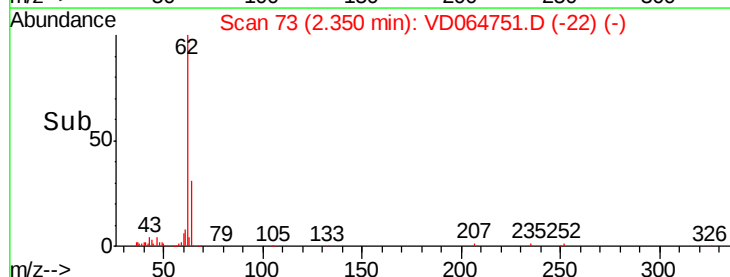
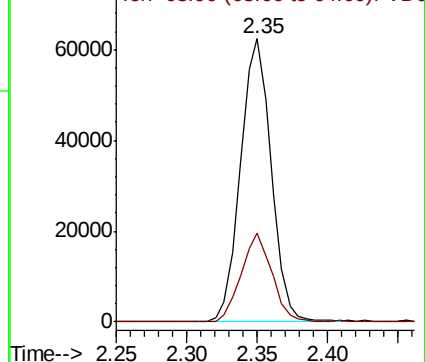
62 100

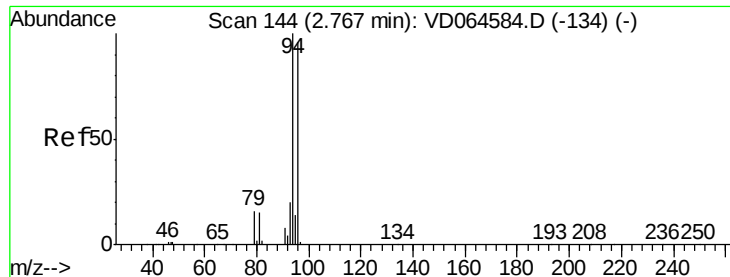
64 31.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.184 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

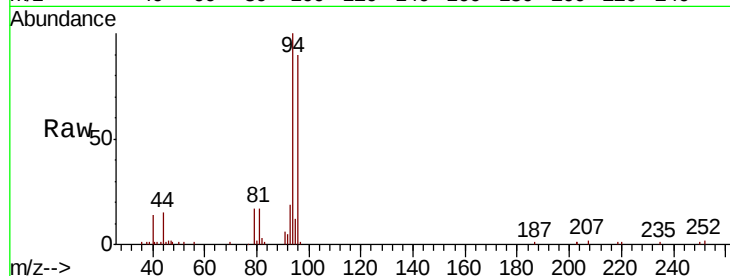
ClientSampled :

Tot Ion: 94 Resp: 71384

Ion Ratio Lower Upper

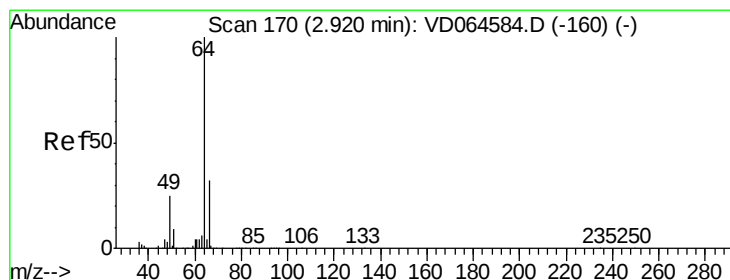
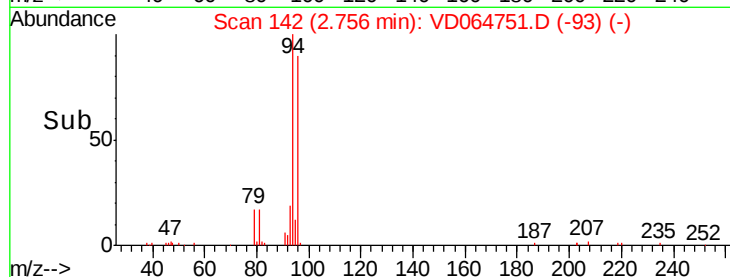
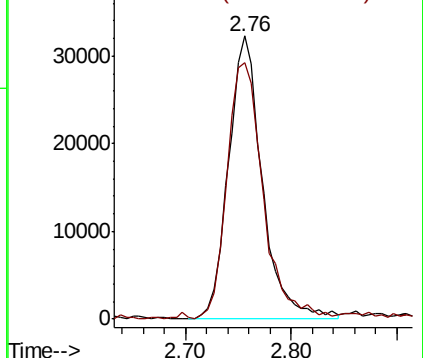
94 100

96 89.8 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: 22.071 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064751.D

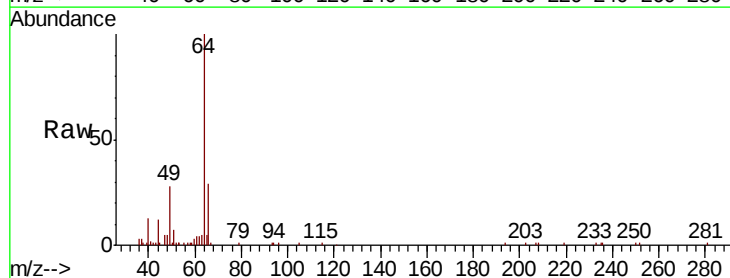
Acq: 04 Jan 2020 00:38

Tgt Ion: 64 Resp: 68541

Ion Ratio Lower Upper

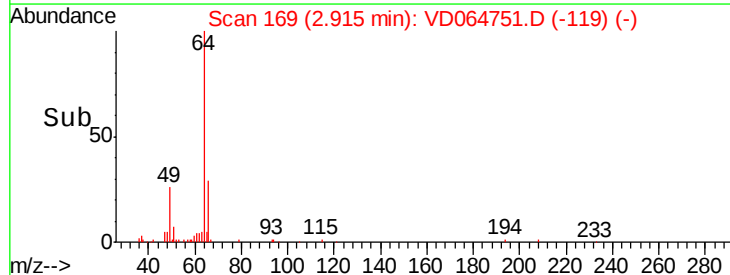
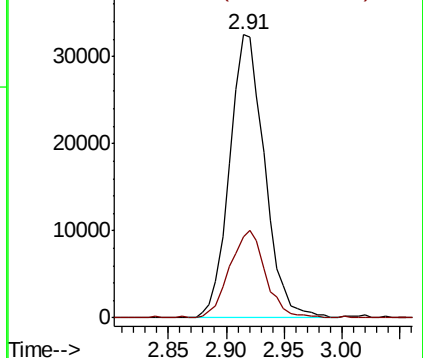
64 100

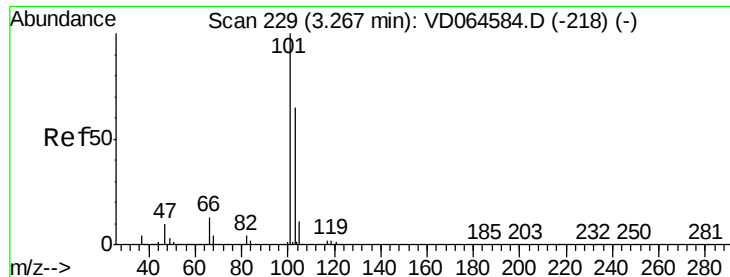
66 28.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



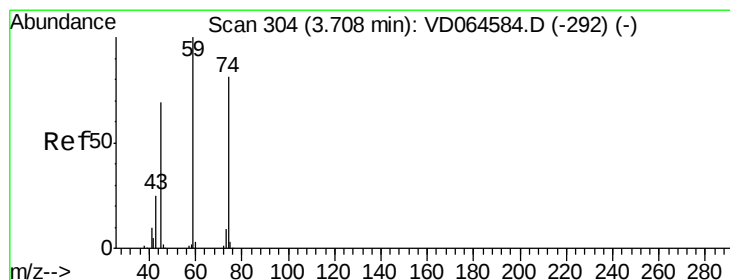
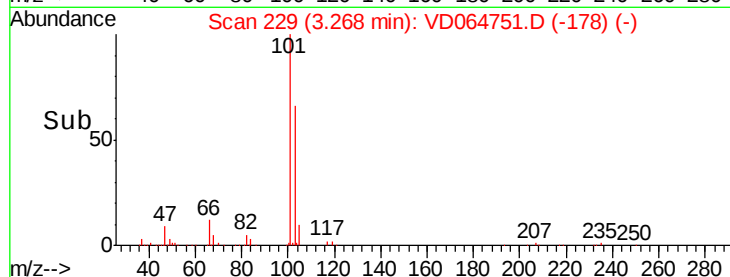
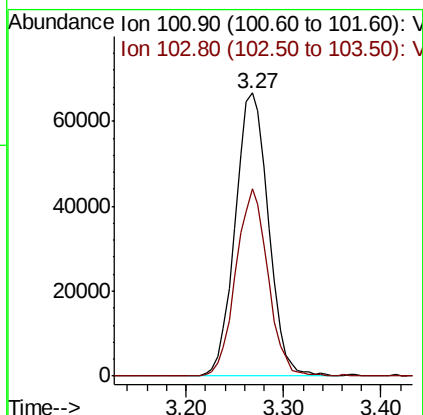
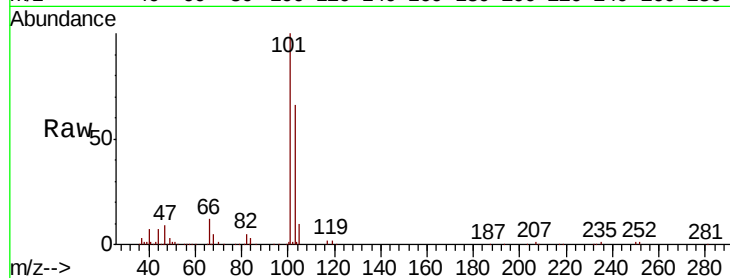


#7

Trichlorofluoromethane
Concen: 20.367 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

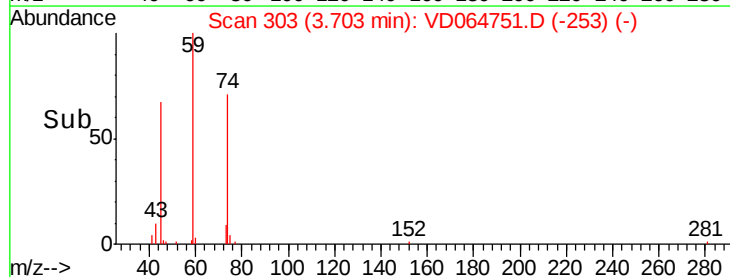
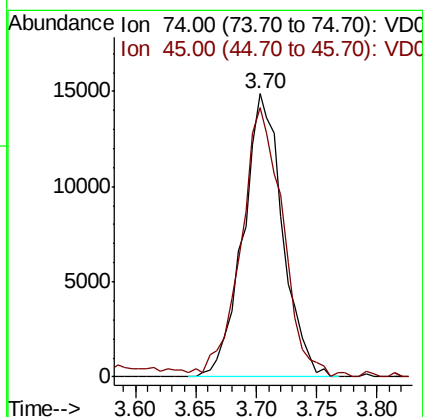
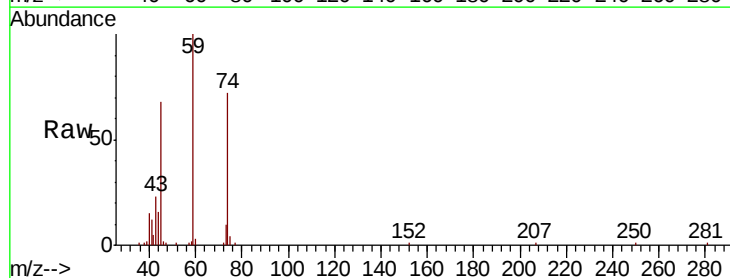
Tot Ion:101 Resp: 158932
Ion Ratio Lower Upper
101 100
103 66.4 52.2 78.4

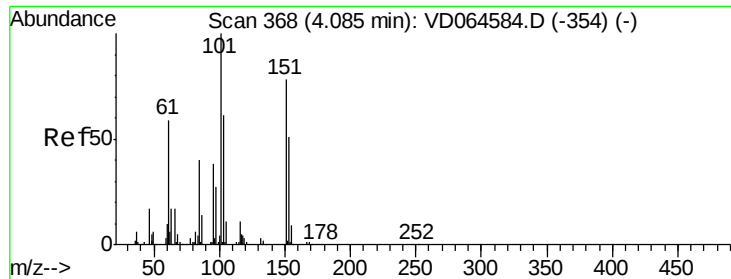


#8

Diethyl Ether
Concen: 21.831 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 74 Resp: 33829
Ion Ratio Lower Upper
74 100
45 101.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.068 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampled :

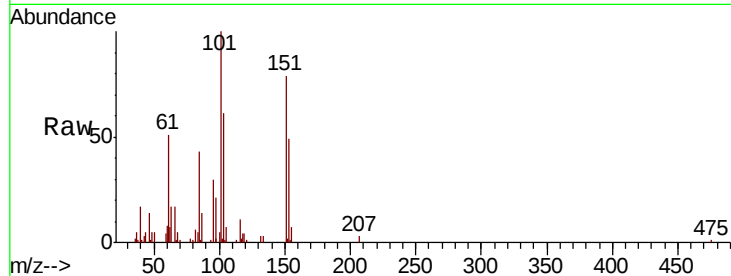
Tot Ion:101 Resp: 64854

Ion Ratio Lower Upper

101 100

85 43.0 35.2 52.8

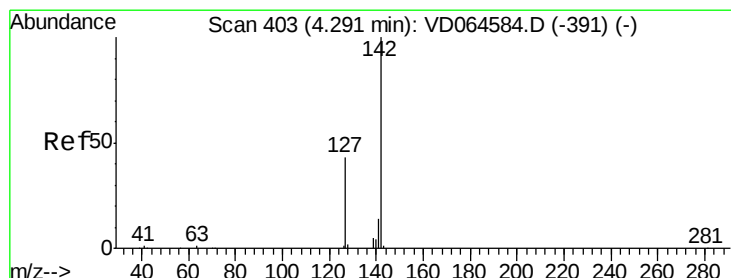
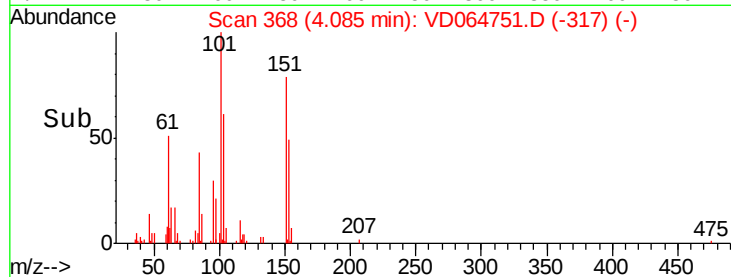
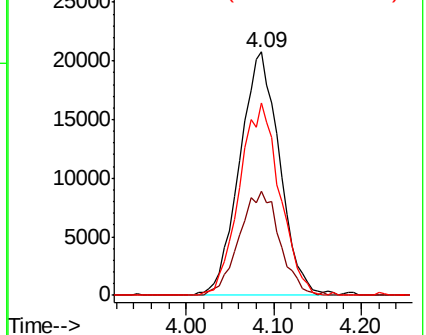
151 79.3 66.2 99.4



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: 19.208 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

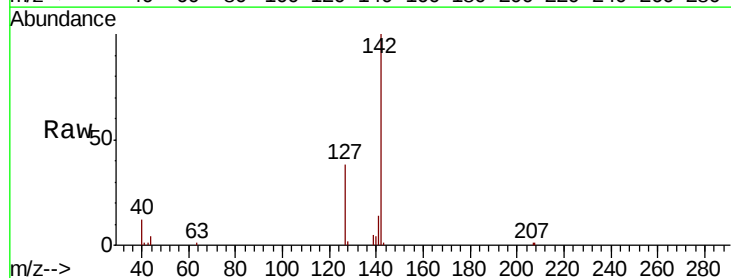
Tgt Ion:142 Resp: 66678

Ion Ratio Lower Upper

142 100

127 44.5 36.2 54.4

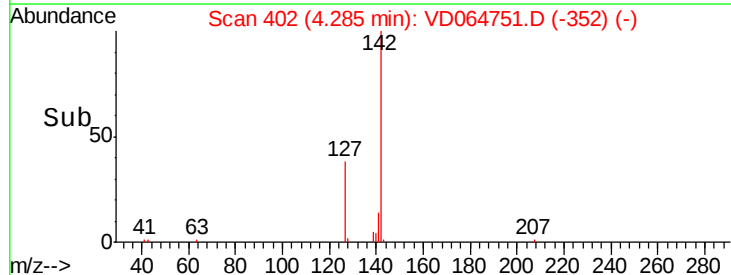
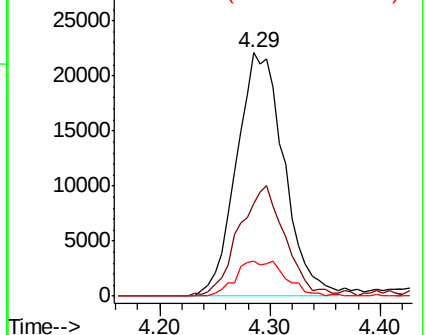
141 15.1 11.8 17.8

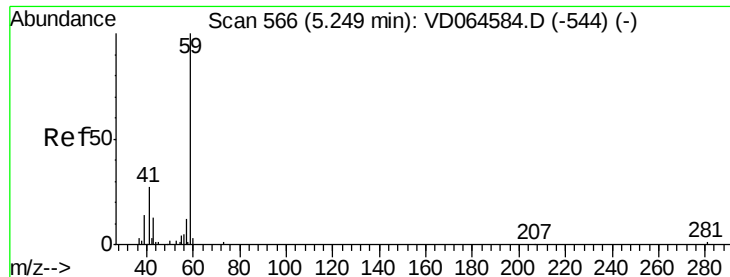


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



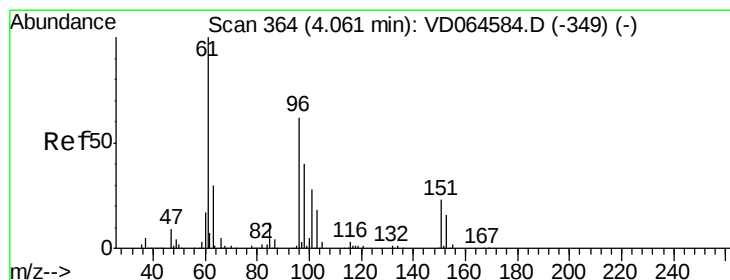
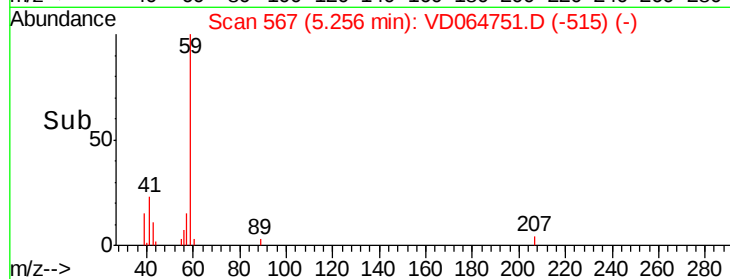
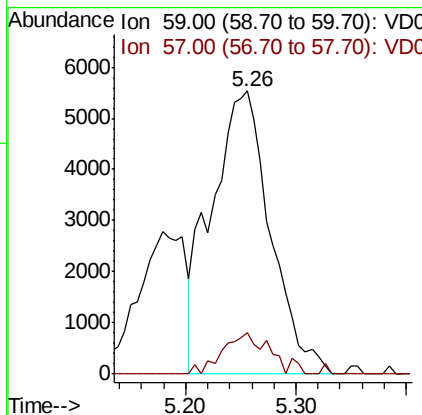
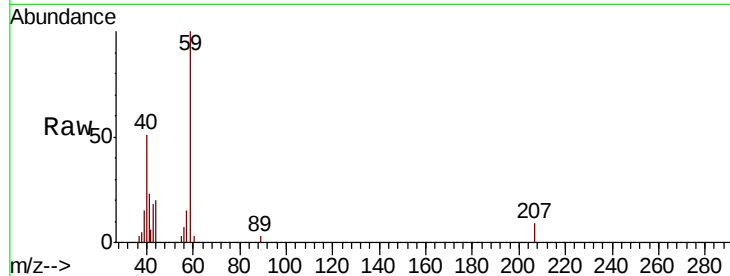


#11

Tert butyl alcohol
 Concen: 116.740 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampled :

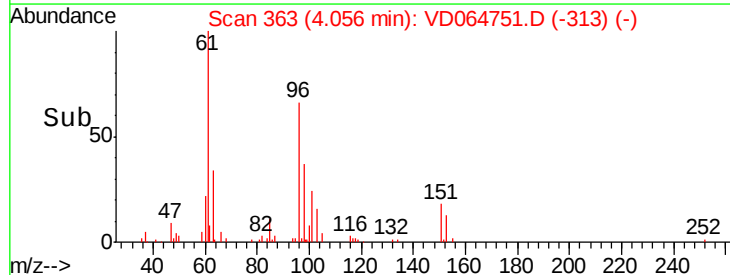
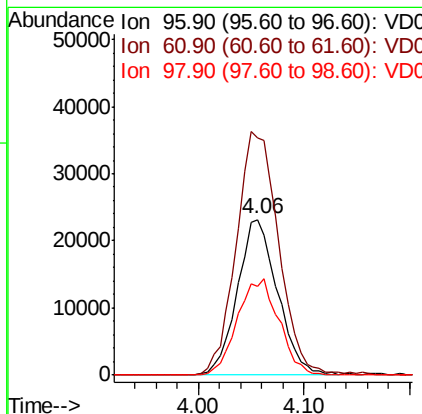
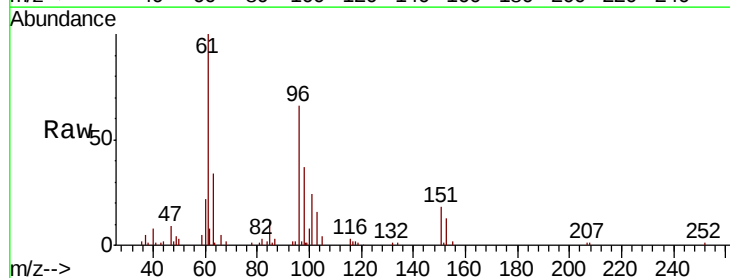
Tot Ion: 59 Resp: 20632
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

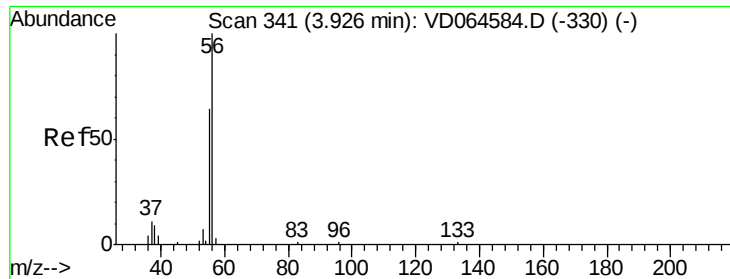


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 96 Resp: 61190
 Ion Ratio Lower Upper
 96 100
 61 152.4 129.4 194.0
 98 57.0 51.4 77.0





#13

Acrolein

Concen: 89.579 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

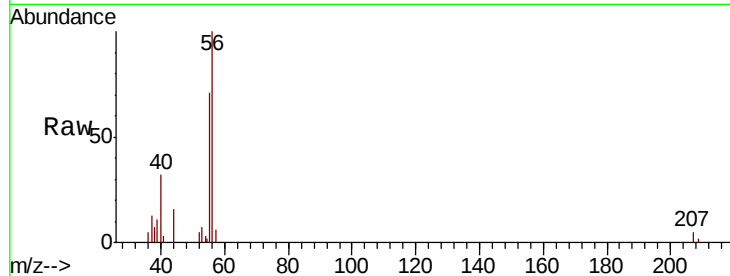
ClientSampleId :

Tot Ion: 56 Resp: 22064

Ion Ratio Lower Upper

56 100

55 68.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

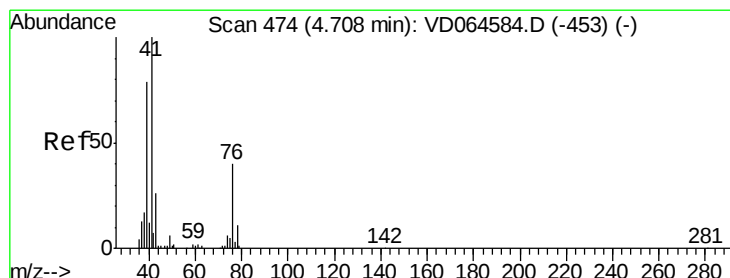
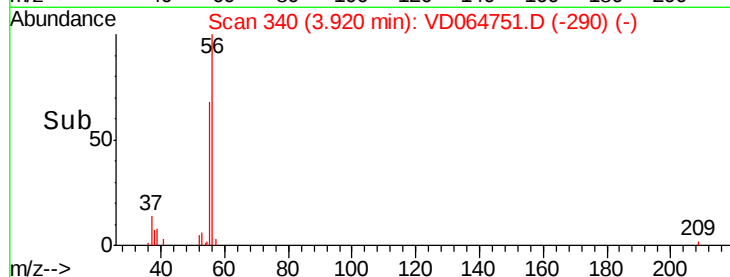
6000

4000

2000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 20.678 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

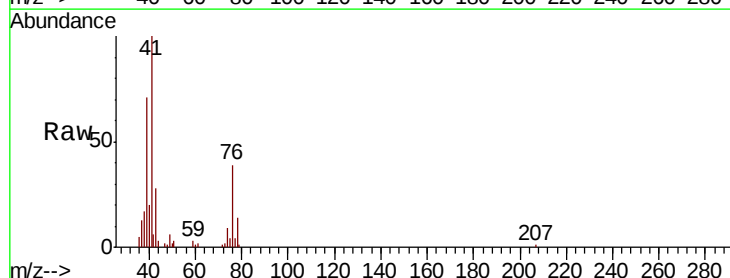
Tgt Ion: 41 Resp: 99196

Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

76 38.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

40000

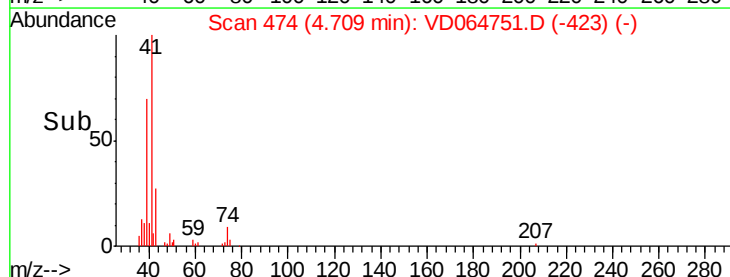
30000

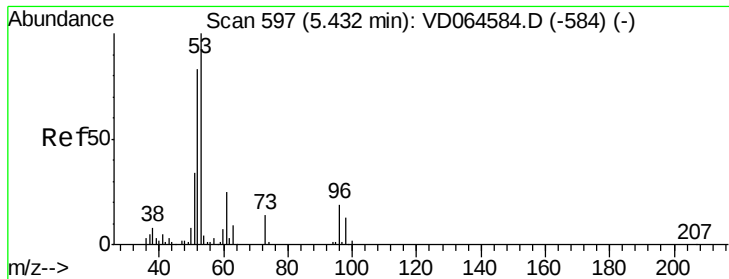
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 115.131 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

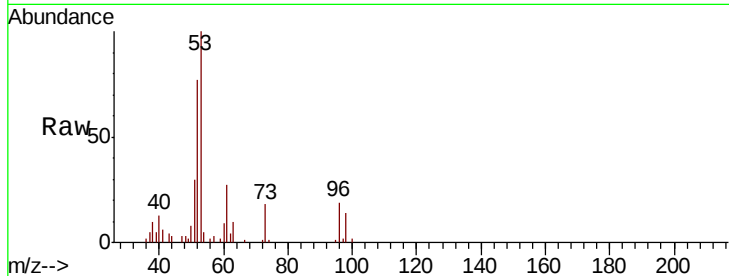
Tot Ion: 53 Resp: 74313

Ion Ratio Lower Upper

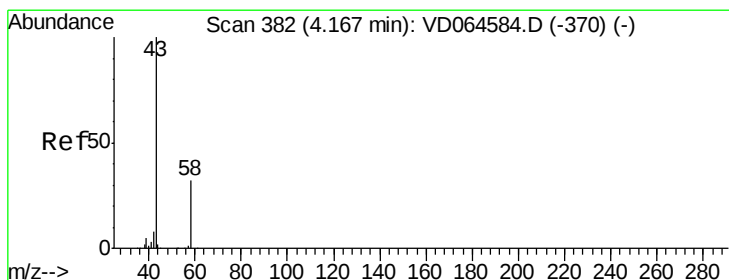
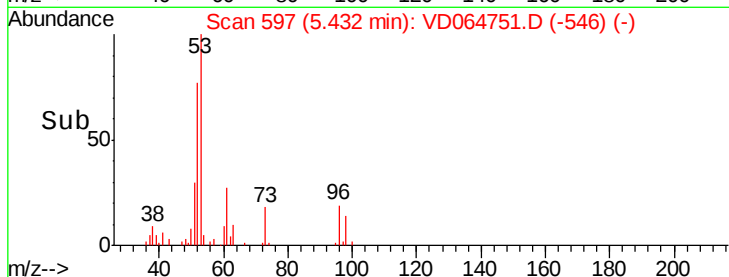
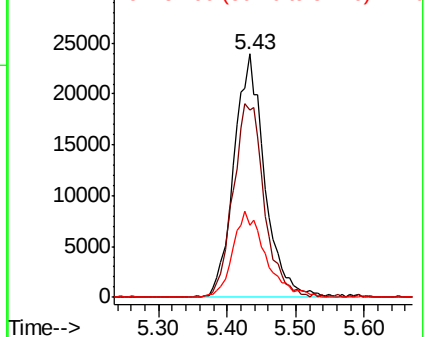
53 100

52 80.5 66.2 99.2

51 38.0 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: 91.598 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064751.D

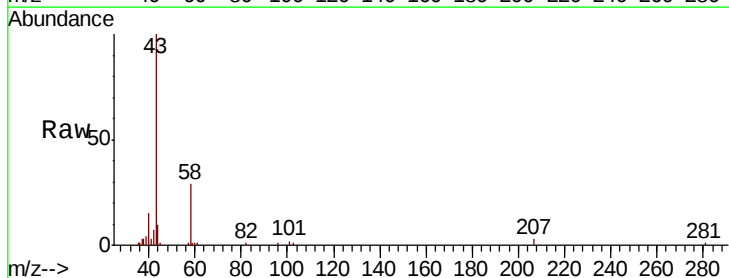
Acq: 04 Jan 2020 00:38

Tgt Ion: 43 Resp: 62213

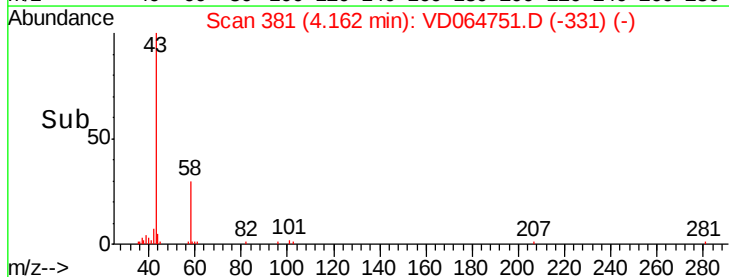
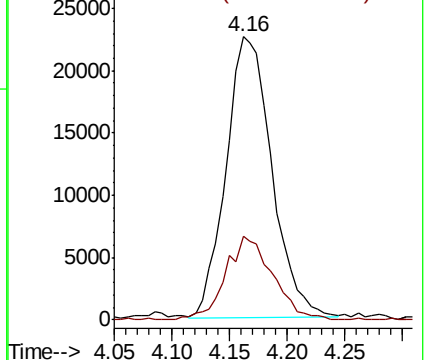
Ion Ratio Lower Upper

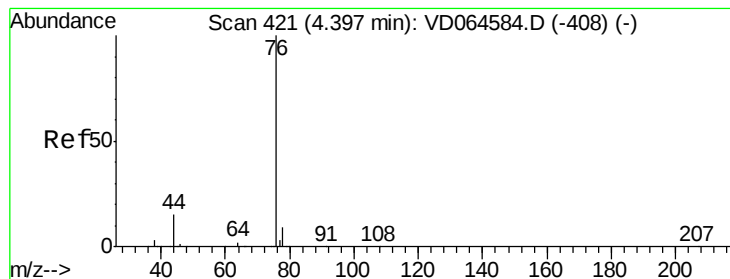
43 100

58 29.8 25.8 38.6



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





#17

Carbon Disulfide

Concen: 19.435 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

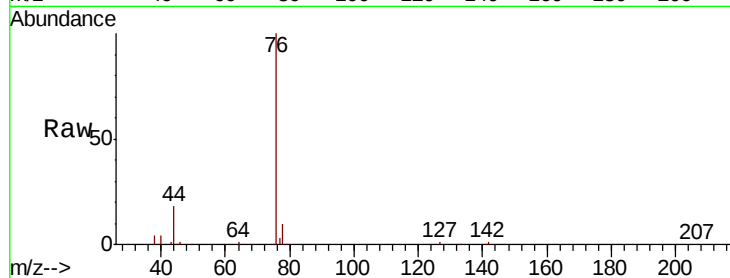
ClientSampleId :

Tot Ion: 76 Resp: 193350

Ion Ratio Lower Upper

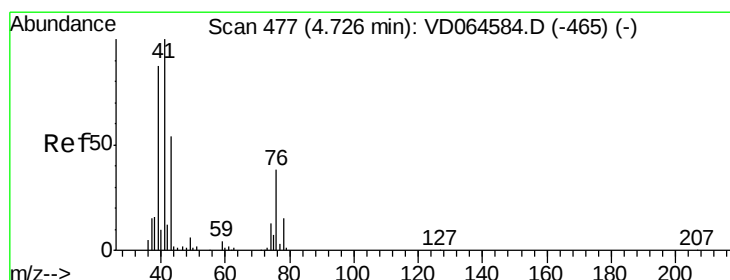
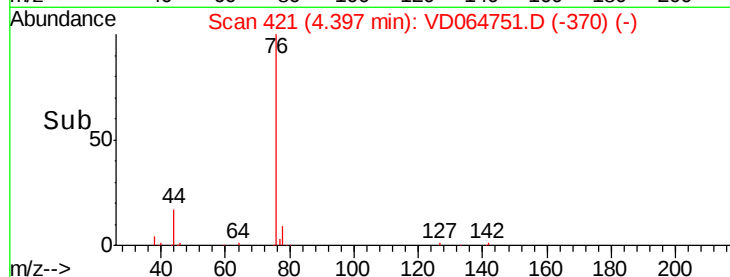
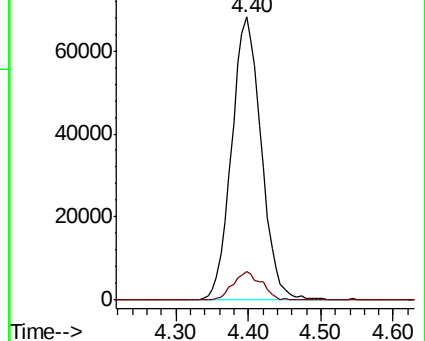
76 100

78 10.0 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: 22.866 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064751.D

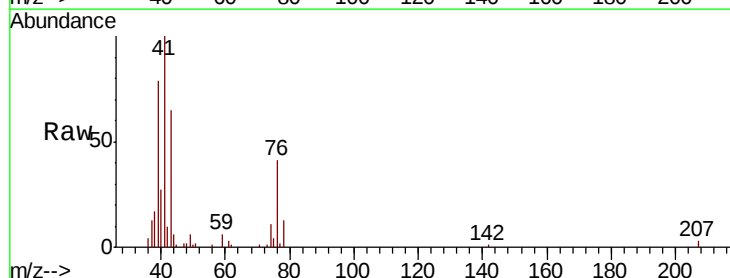
Acq: 04 Jan 2020 00:38

Tgt Ion: 43 Resp: 39699

Ion Ratio Lower Upper

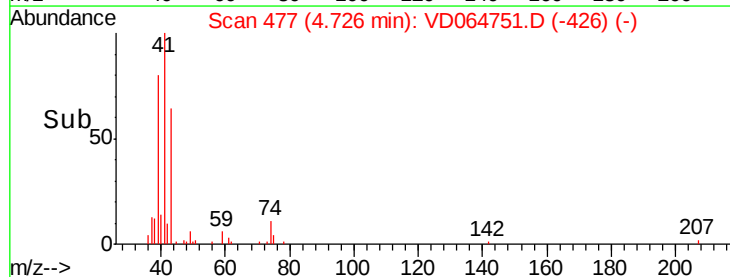
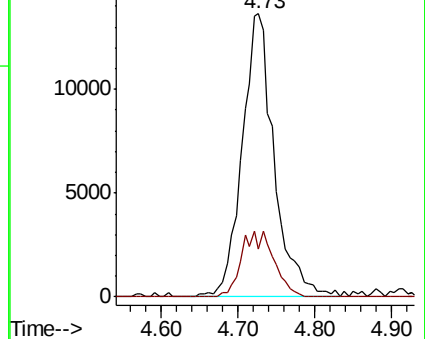
43 100

74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

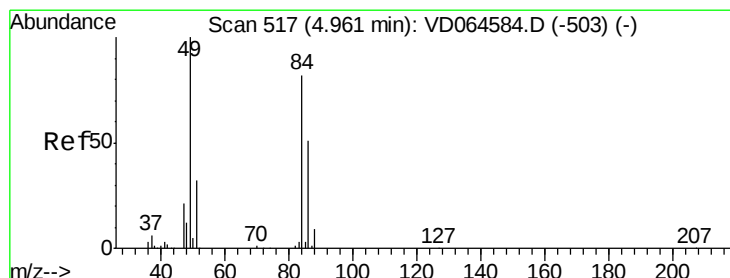
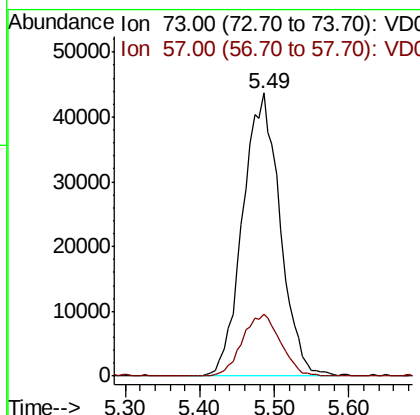
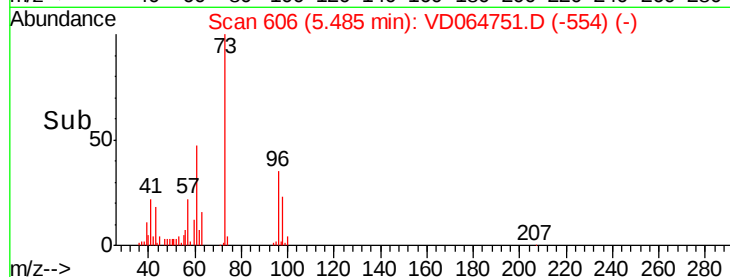
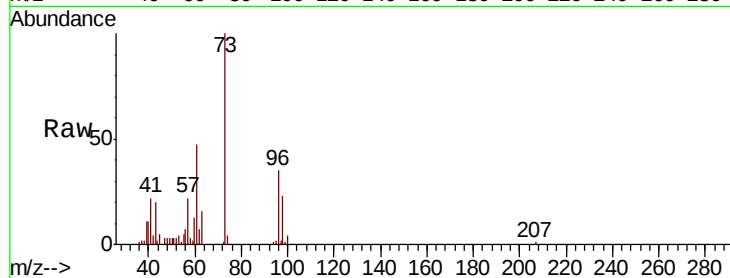




#19
Methvl tert-butvl Ether
Concen: 22.215 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

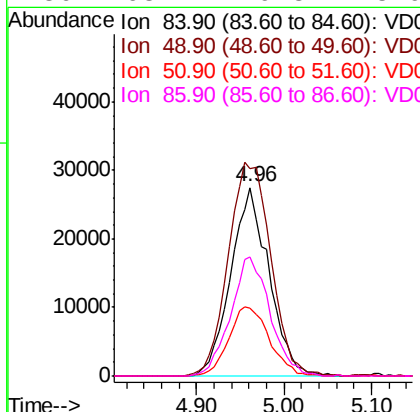
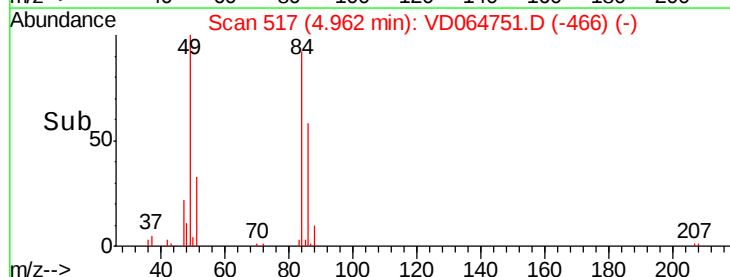
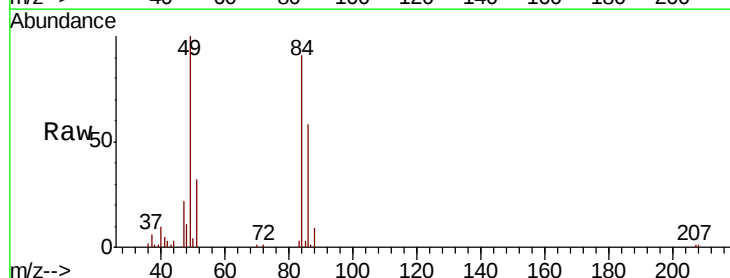
Instrument :
MSVOA_D
ClientSampleId :

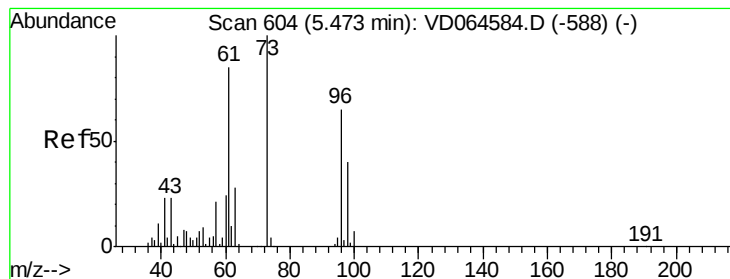
Tot Ion: 73 Resp: 151816
Ion Ratio Lower Upper
73 100
57 22.0 18.6 27.8



#20
Methylene Chloride
Concen: 23.205 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 84 Resp: 81446
Ion Ratio Lower Upper
84 100
49 109.2 97.2 145.8
51 35.6 31.4 47.0
86 63.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

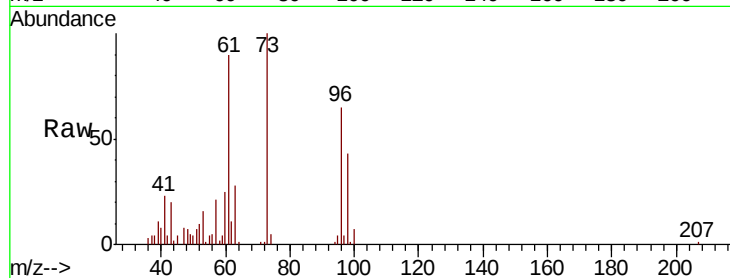
Tot Ion: 96 Resp: 72357

Ion Ratio Lower Upper

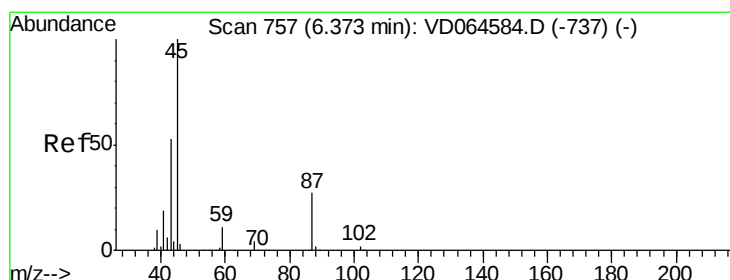
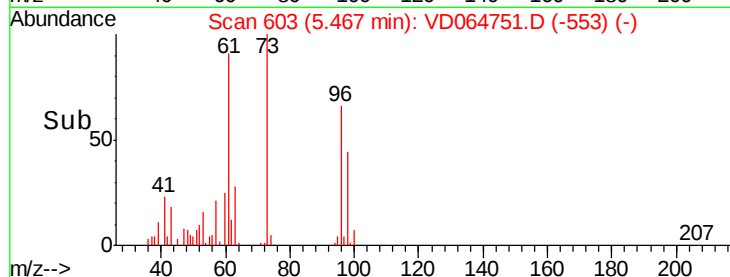
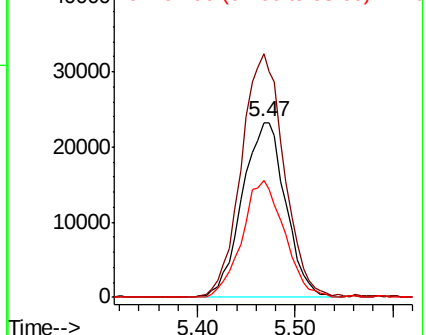
96 100

61 139.2 104.7 157.1

98 66.5 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: 22.483 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion: 45 Resp: 215127

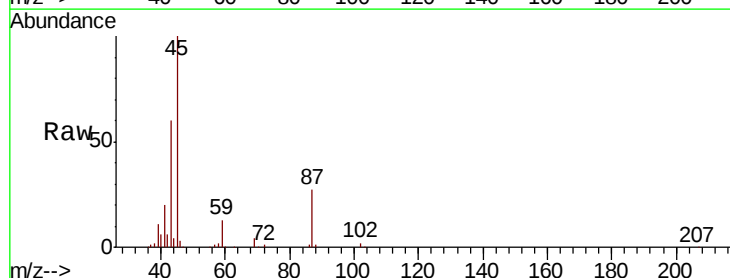
Ion Ratio Lower Upper

45 100

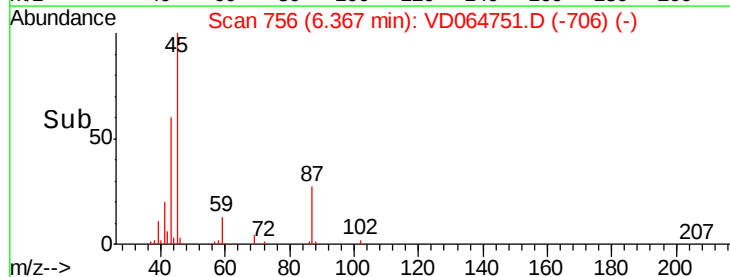
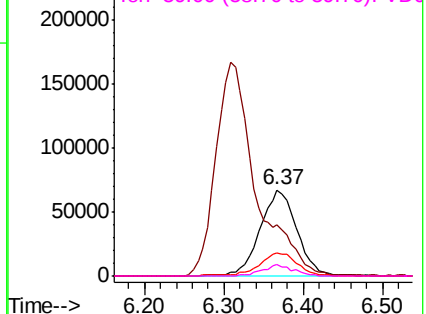
43 58.2 43.2 64.8

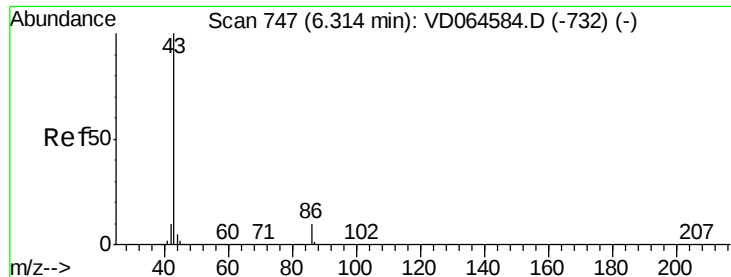
87 26.3 21.9 32.9

59 13.0 9.0 13.4



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





#23

Vinyl Acetate

Concen: 107.949 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

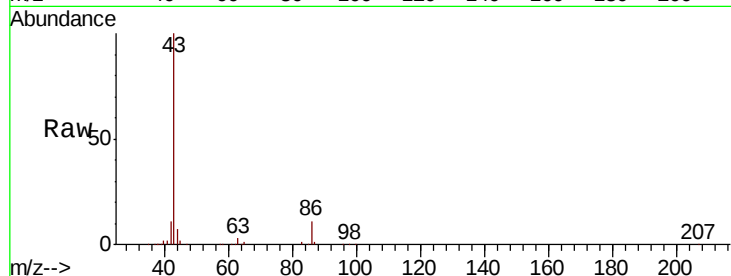
ClientSampleId :

Tot Ion: 43 Resp: 585918

Ion Ratio Lower Upper

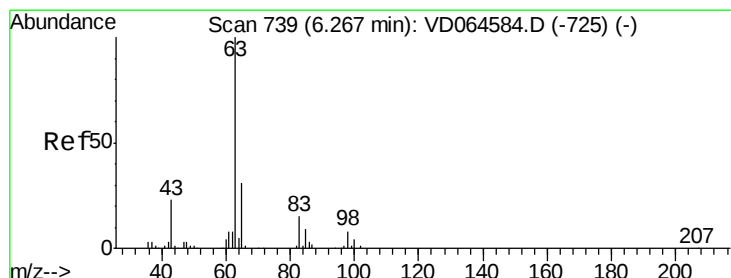
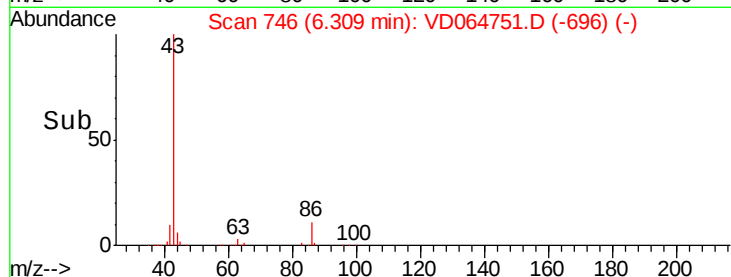
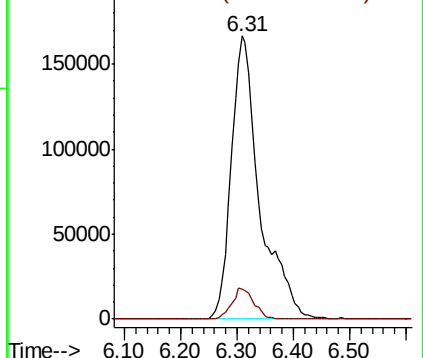
43 100

86 10.6 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: 22.177 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

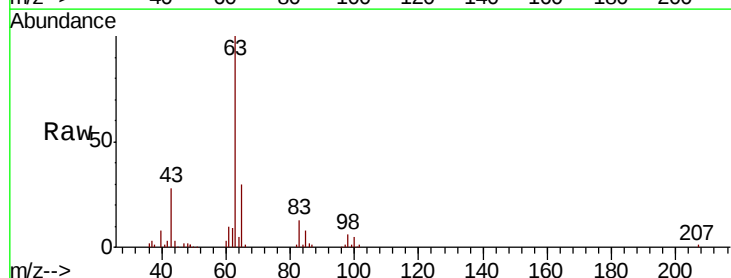
Tgt Ion: 63 Resp: 127388

Ion Ratio Lower Upper

63 100

98 6.4 4.1 12.3

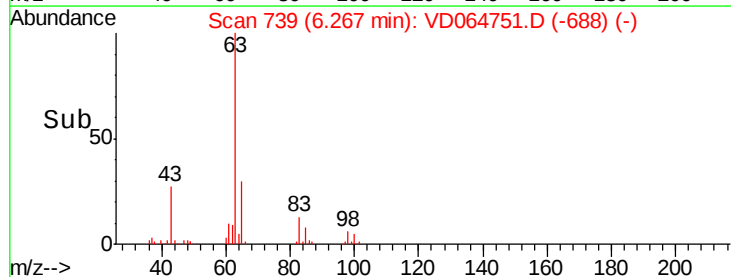
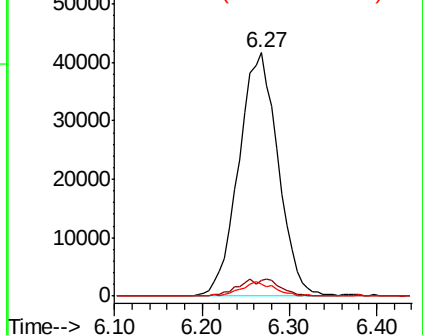
100 4.7 2.2 6.6

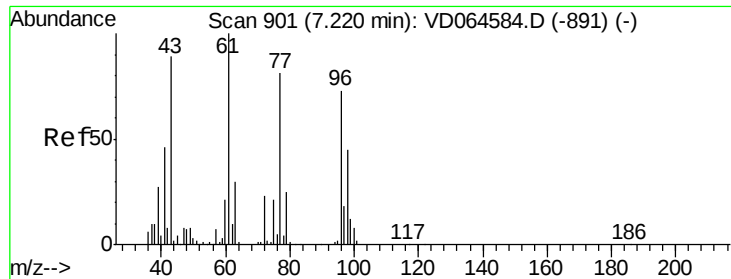


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

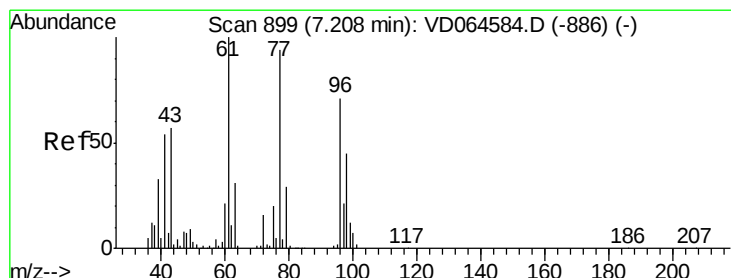
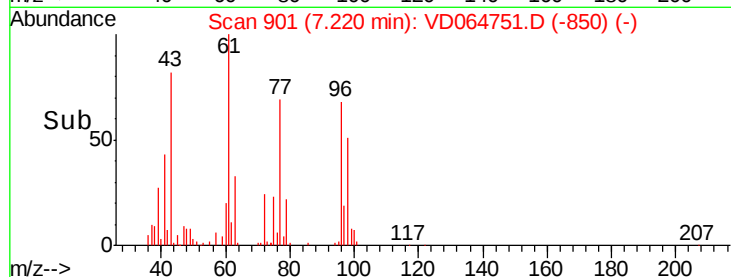
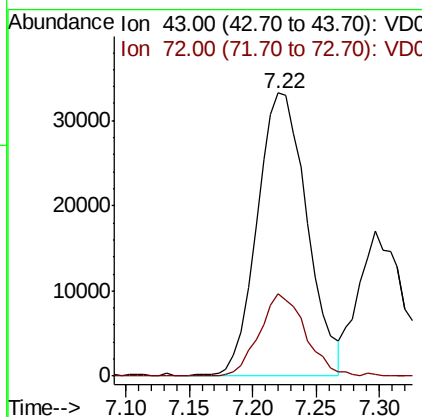
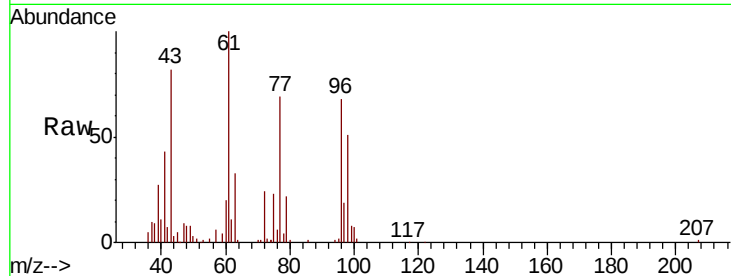
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 91371

Ion Ratio Lower Upper

43 100

72 29.3 20.7 31.1



#26

2,2-Dichloropropane

Concen: 18.666 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064751.D

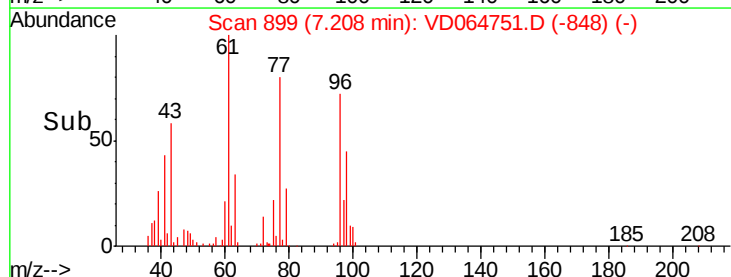
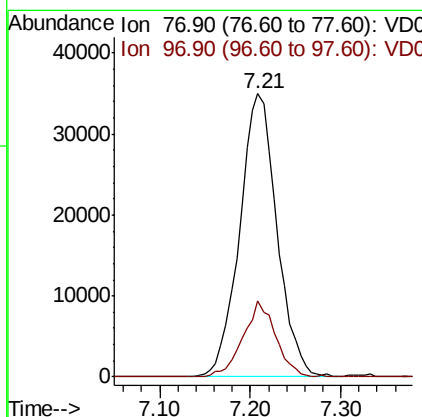
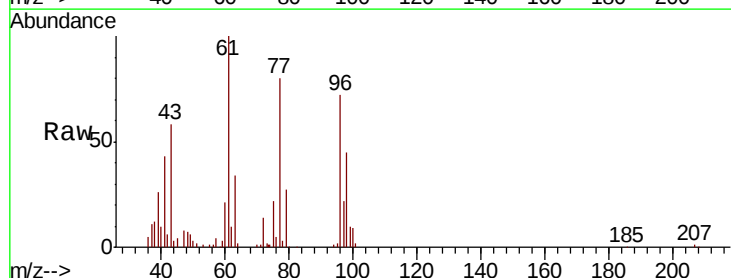
Acq: 04 Jan 2020 00:38

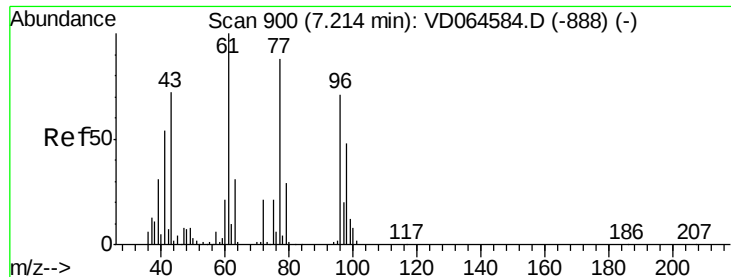
Tgt Ion: 77 Resp: 99687

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6



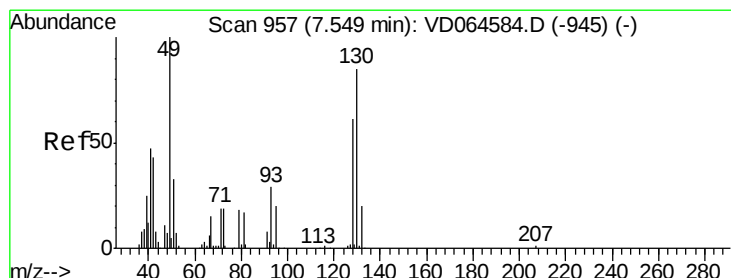
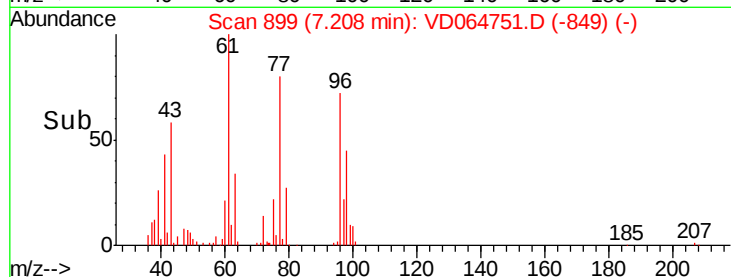
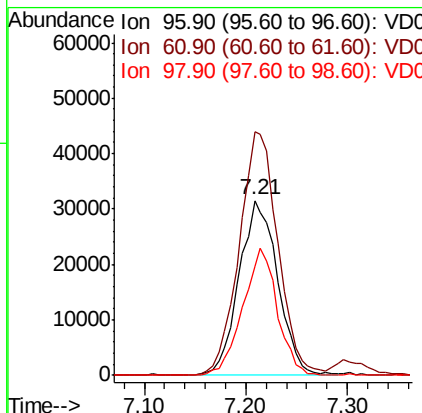
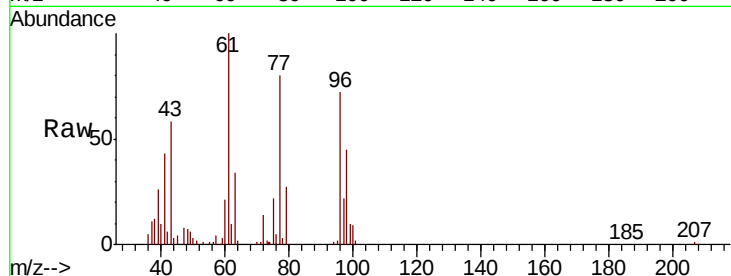


#27

cis-1,2-Dichloroethene
 Concen: 22.049 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampled :

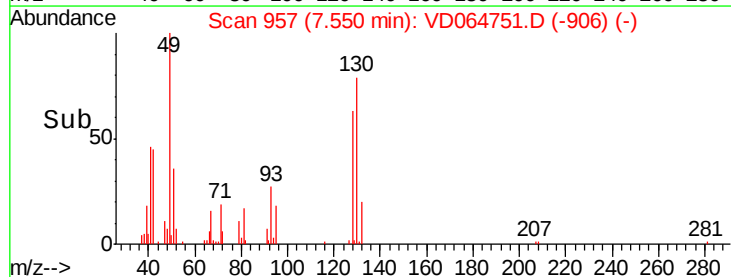
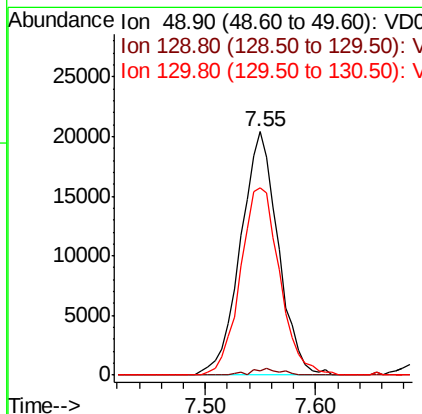
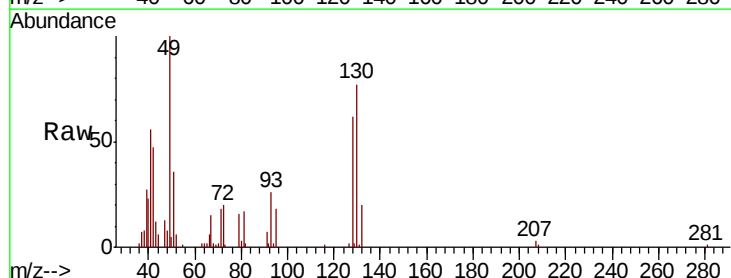
Tot Ion: 96 Resp: 83382
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 282.6
 98 65.0 0.0 130.8

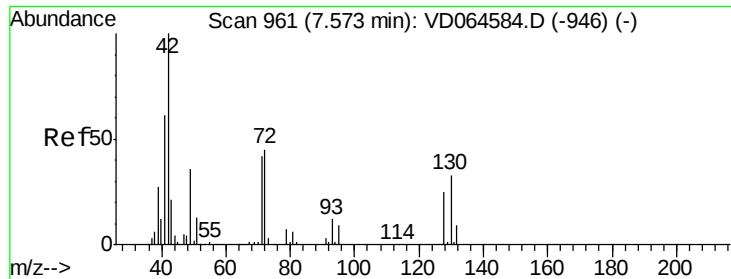


#28

Bromochloromethane
 Concen: 21.827 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 49 Resp: 48739
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.8
 130 80.7 65.0 97.6

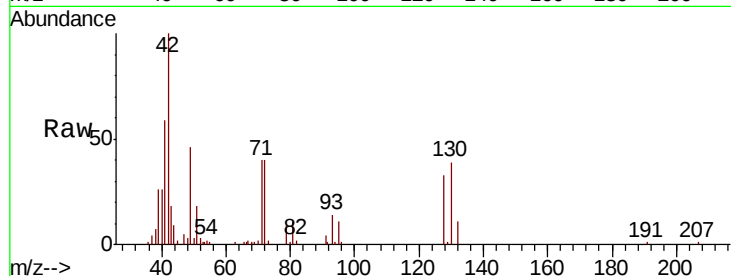




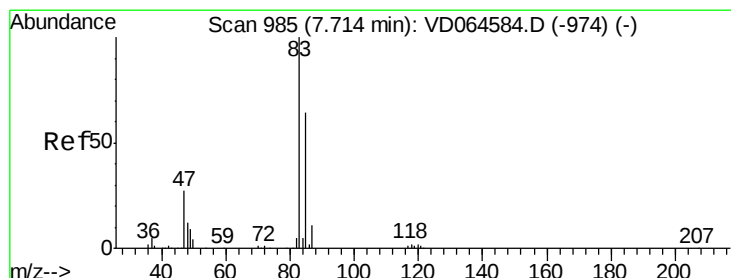
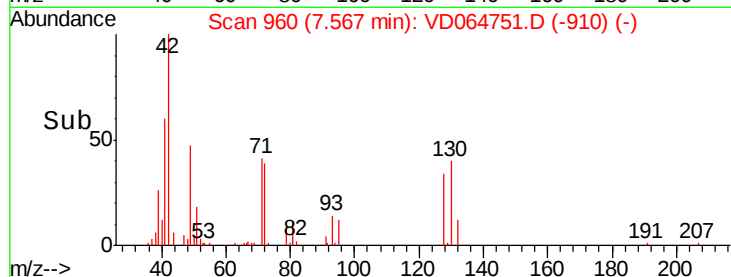
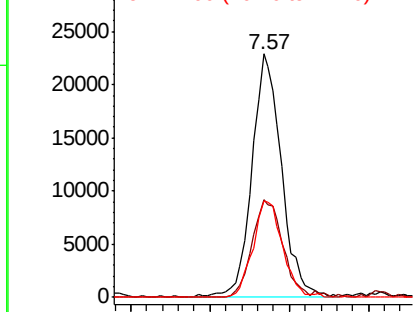
#29
Tetrahydrofuran
Concen: 112.893 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 59511
Ion Ratio Lower Upper
42 100
72 41.4 35.0 52.4
71 39.7 32.9 49.3

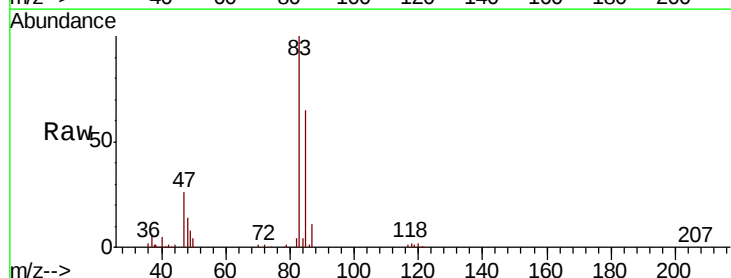


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

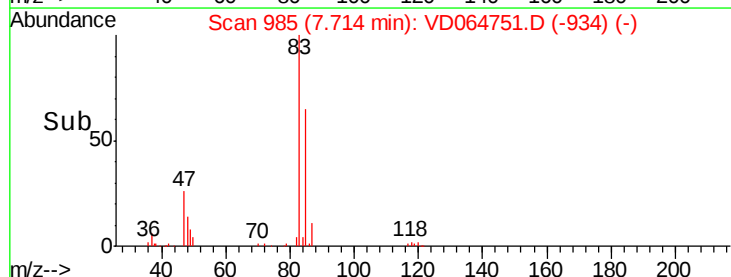
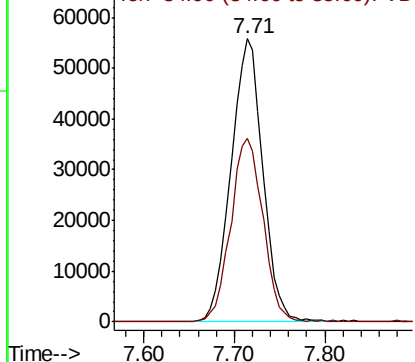


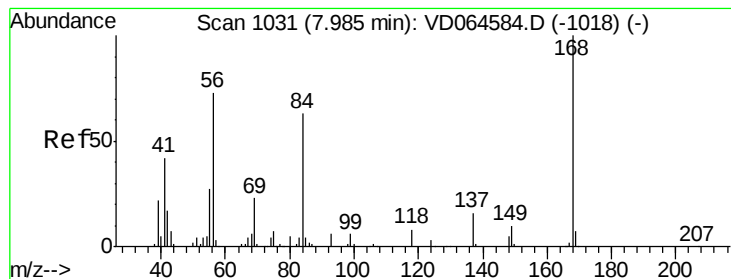
#30
Chloroform
Concen: 22.600 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 83 Resp: 136200
Ion Ratio Lower Upper
83 100
85 64.6 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: 18.881 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampled :

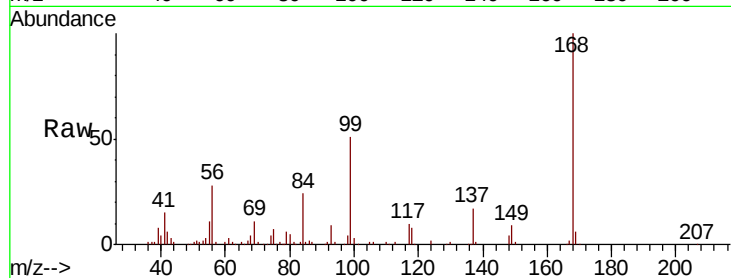
Tot Ion: 56 Resp: 108563

Ion Ratio Lower Upper

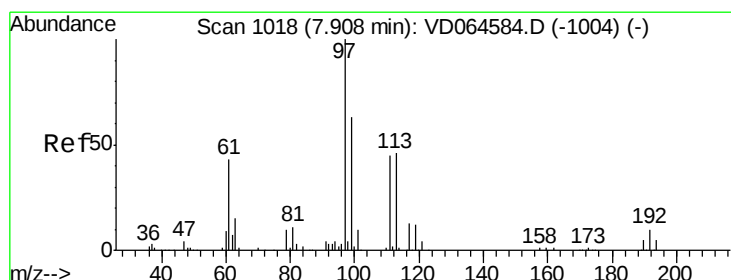
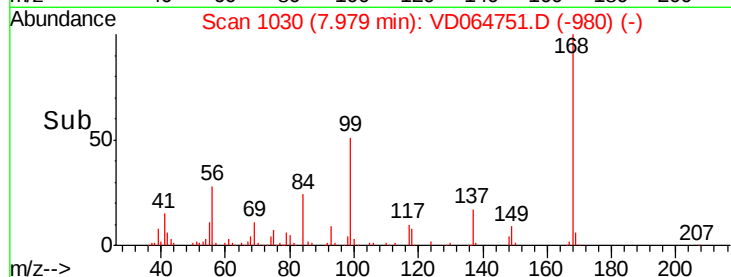
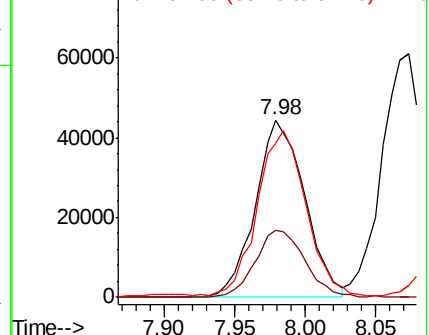
56 100

69 38.0 24.7 37.1#

84 86.1 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: 20.717 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

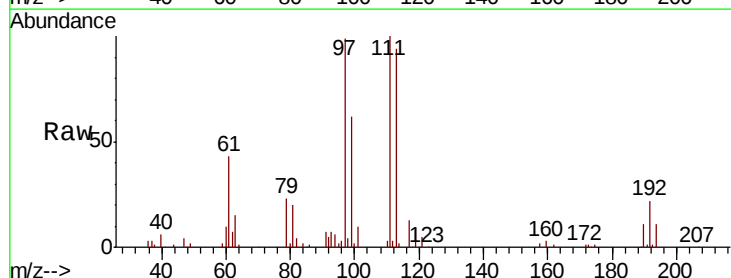
Tgt Ion: 97 Resp: 117270

Ion Ratio Lower Upper

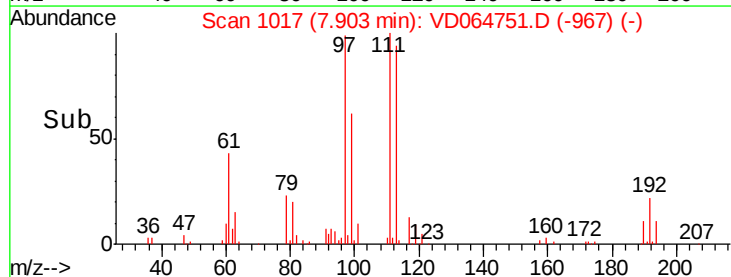
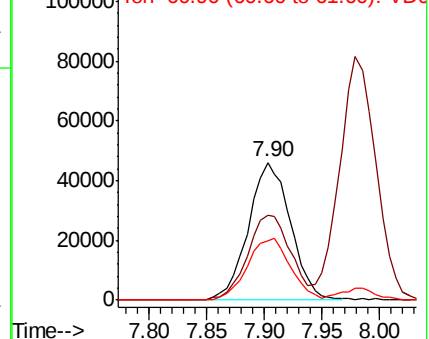
97 100

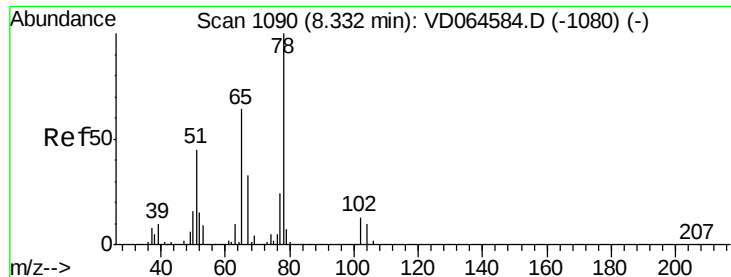
99 62.6 51.0 76.6

61 45.8 35.4 53.0



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

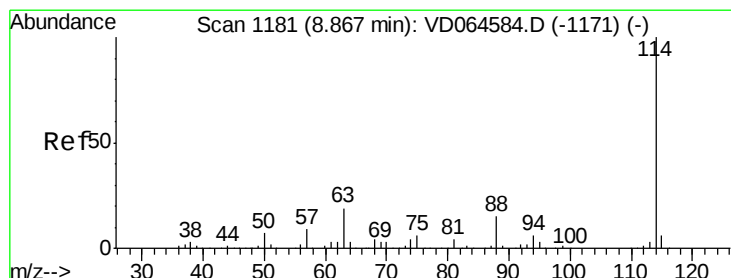
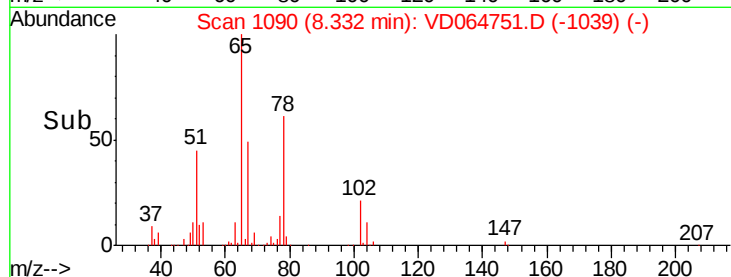
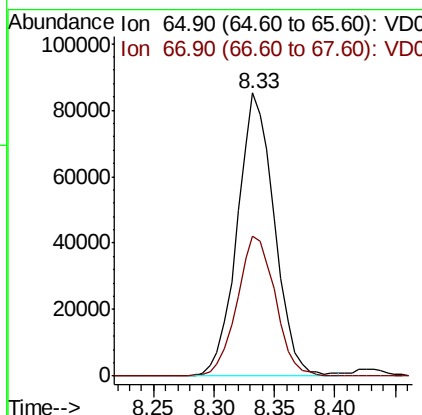
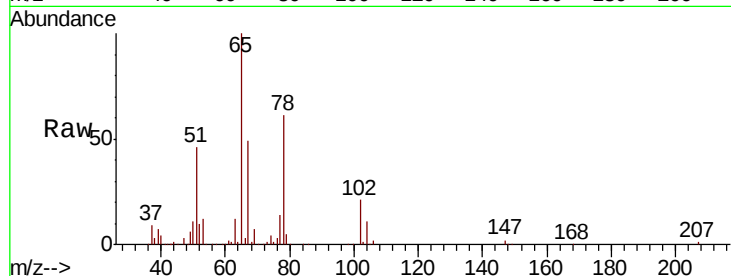




#33
 1,2-Dichloroethane-d4
 Concen: 59.129 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

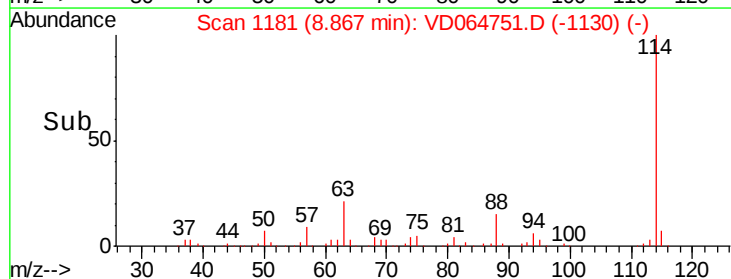
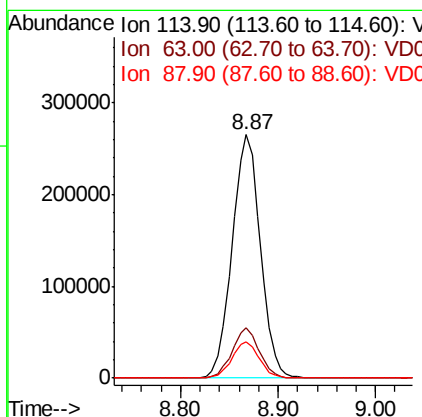
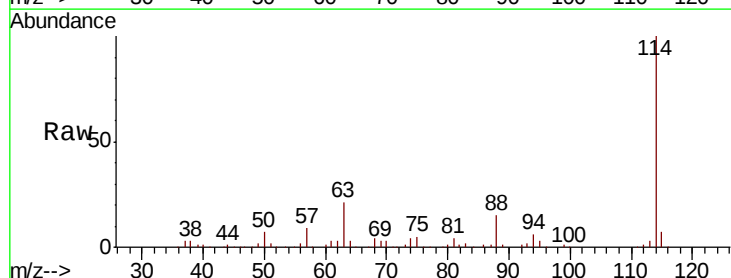
Instrument :
 MSVOA_D
 ClientSampleId :

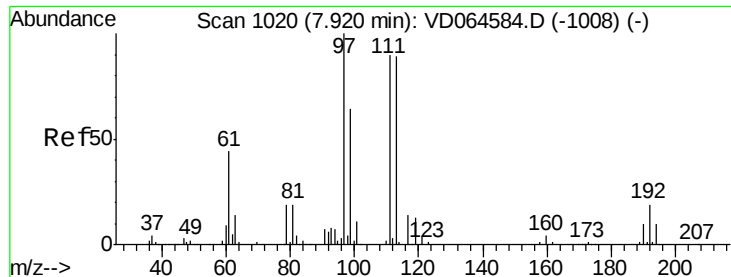
Tot Ion: 65 Resp: 182344
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 114 Resp: 532041
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.0
 88 14.9 0.0 29.2

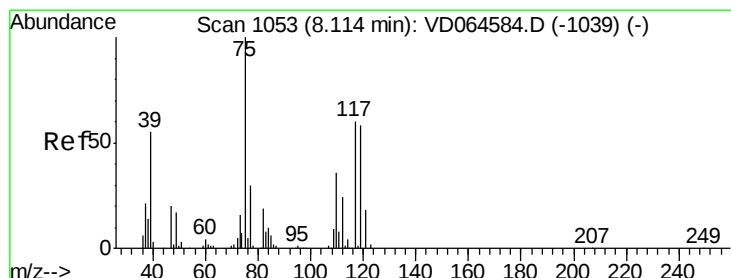
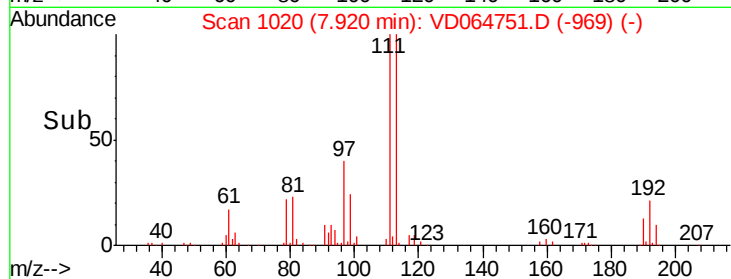
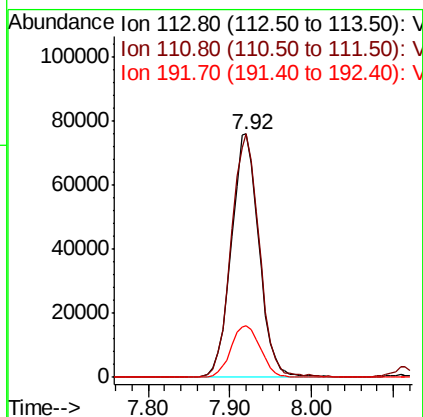
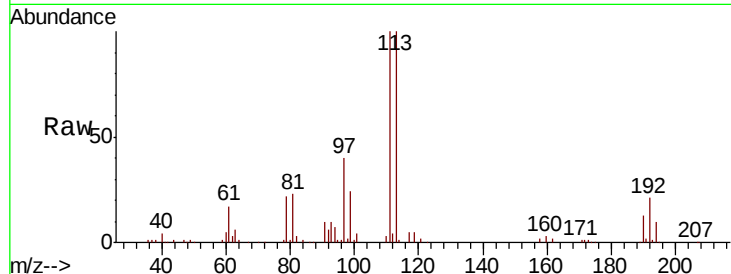




#35
 Dibromofluoromethane
 Concen: 54.634 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

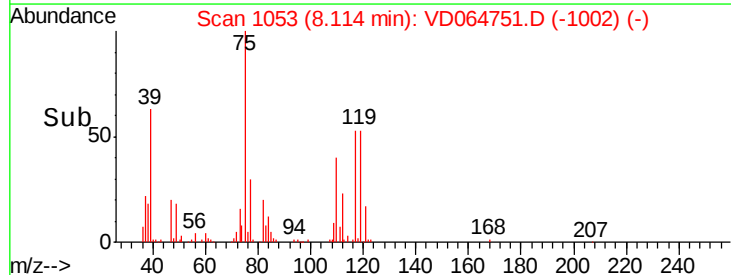
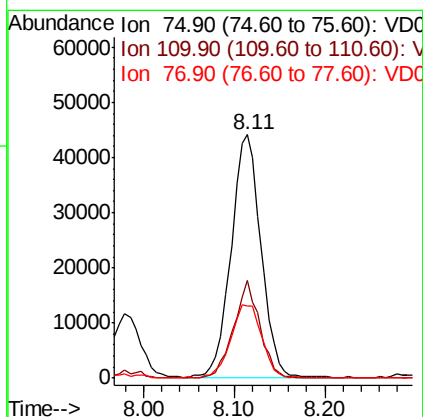
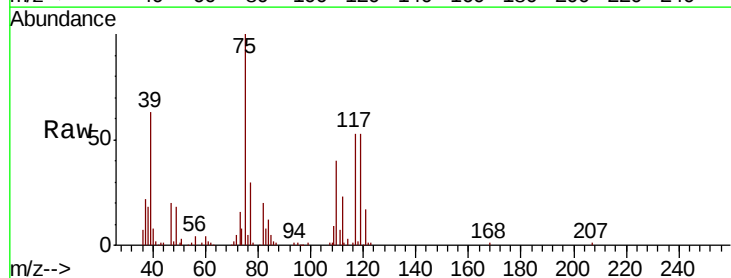
Instrument :
 MSVOA_D
 ClientSampled :

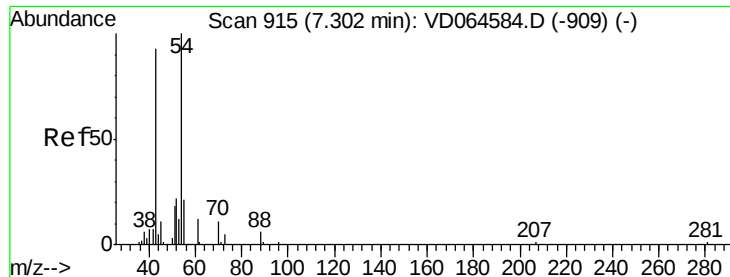
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	22.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 19.849 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.1	54.1
77	31.3	24.2	36.4

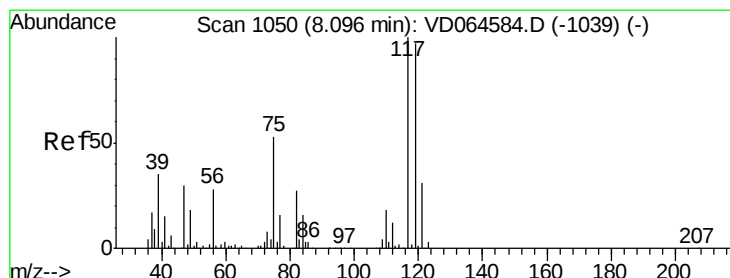
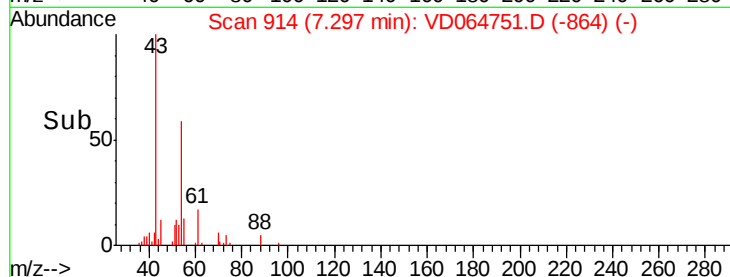
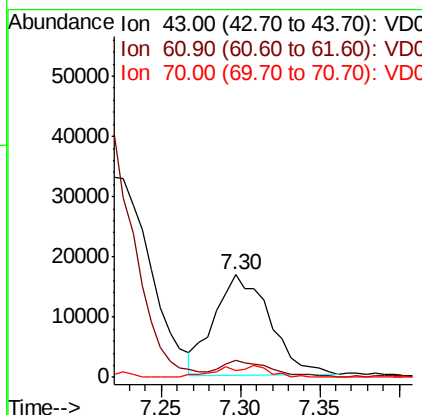
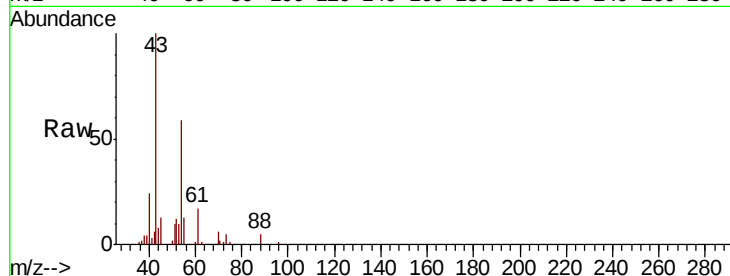




#37
Ethyl Acetate
Concen: 20.336 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

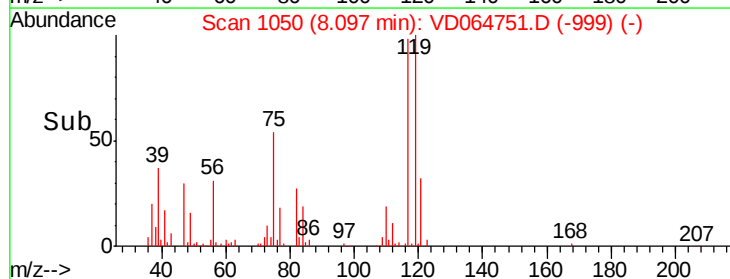
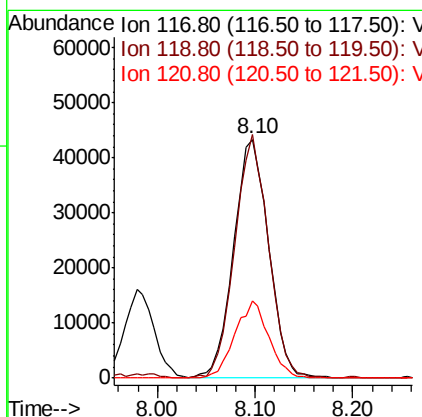
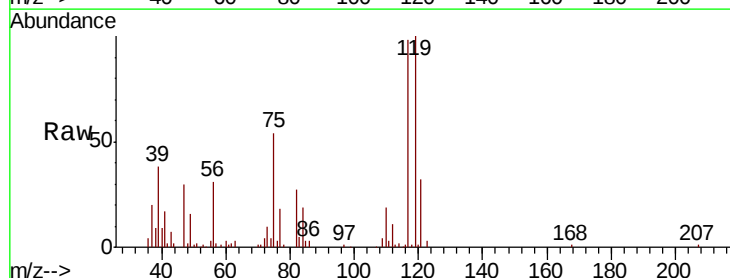
Instrument :
MSVOA_D
ClientSampled :

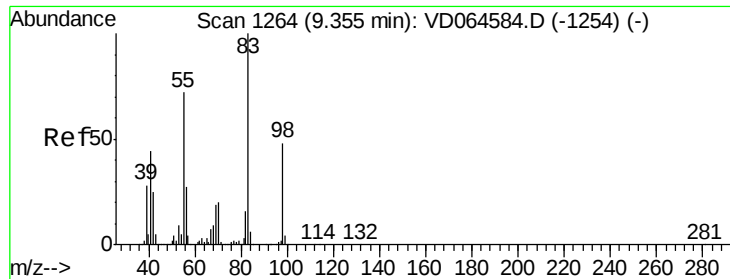
Tot Ion: 43 Resp: 40911
Ion Ratio Lower Upper
43 100
61 14.9 10.3 15.5
70 10.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.822 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 117 Resp: 108235
Ion Ratio Lower Upper
117 100
119 101.7 77.3 115.9
121 32.6 25.0 37.6

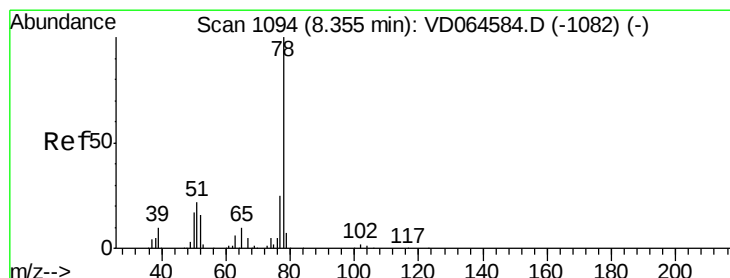
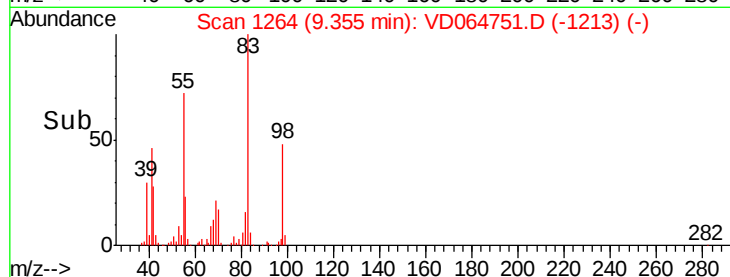
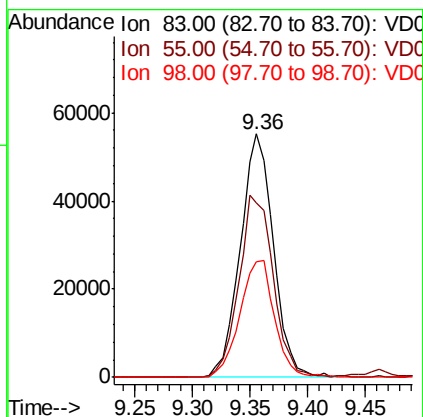
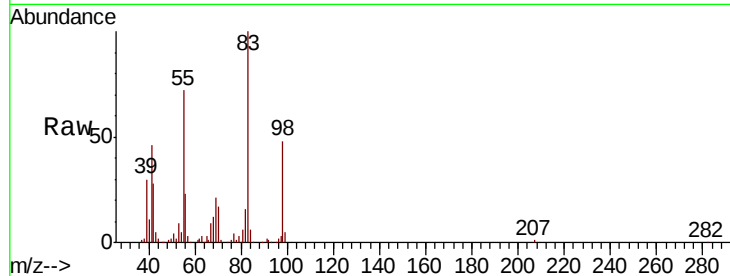




#39
Methvlcvclohexane
Concen: 17.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

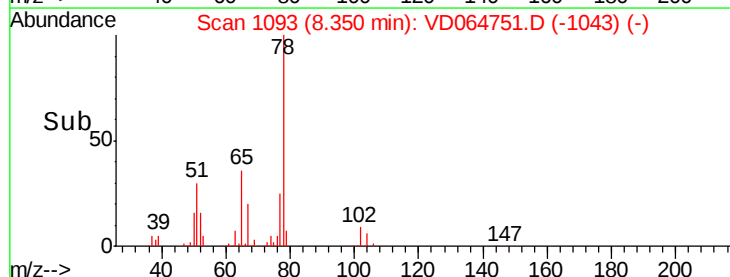
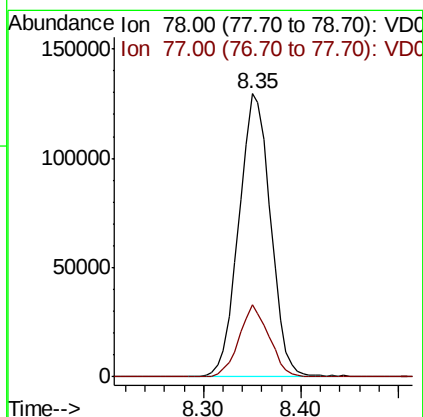
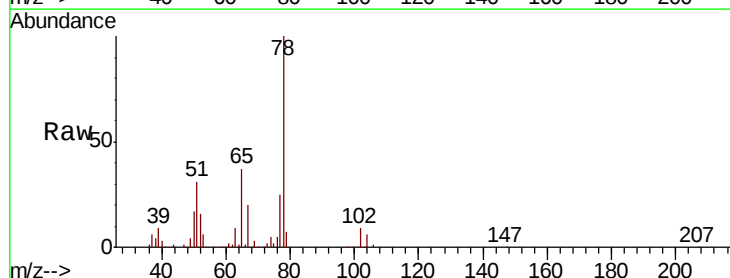
Instrument :
MSVOA_D
ClientSampleId :

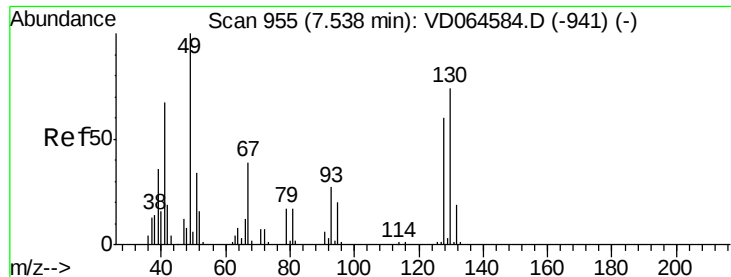
Tot Ion: 83 Resp: 110332
Ion Ratio Lower Upper
83 100
55 71.7 57.8 86.6
98 47.6 38.7 58.1



#40
Benzene
Concen: 20.958 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 78 Resp: 292984
Ion Ratio Lower Upper
78 100
77 25.3 19.9 29.9





#41

Methacrylonitrile

Concen: 18.191 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 21233

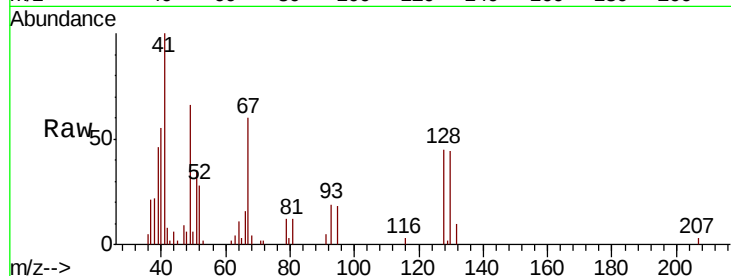
Ion Ratio Lower Upper

41 100

39 44.1 46.7 70.1#

67 81.9 52.5 78.7#

52 39.0 24.1 36.1#

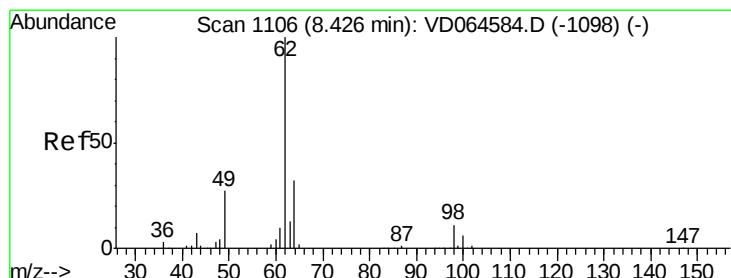
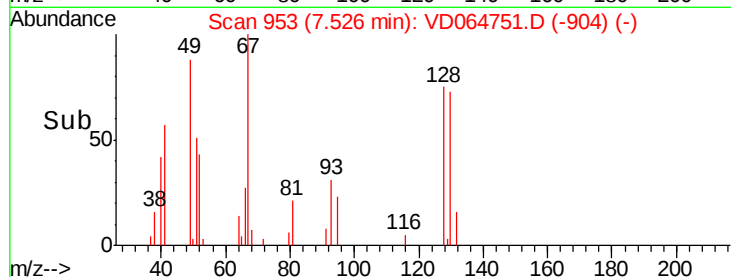
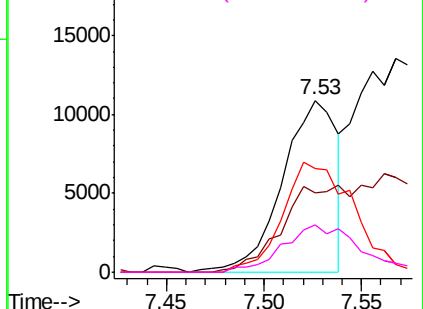


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.207 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064751.D

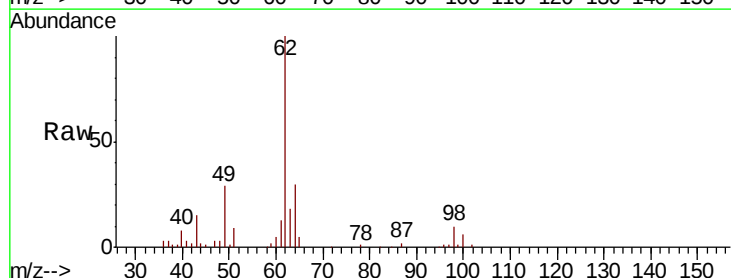
Acq: 04 Jan 2020 00:38

Tgt Ion: 62 Resp: 89708

Ion Ratio Lower Upper

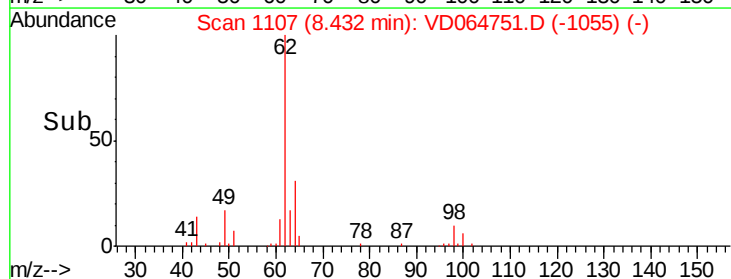
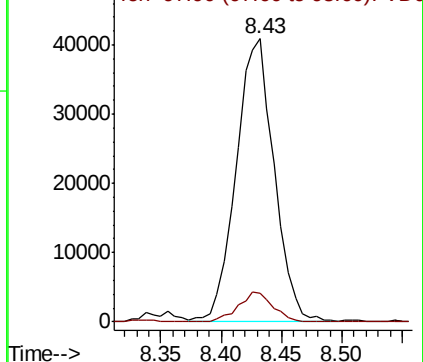
62 100

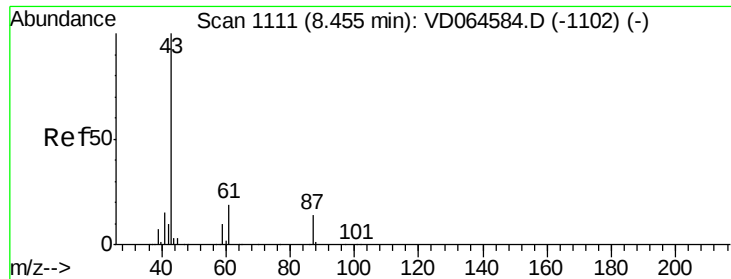
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

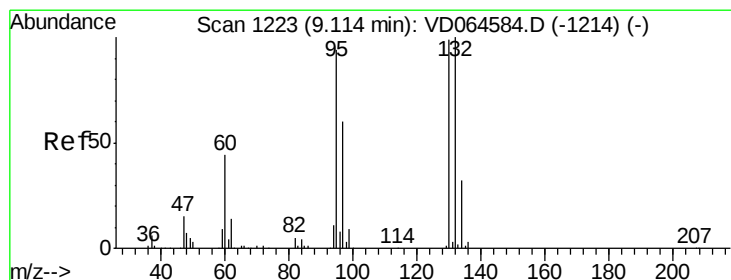
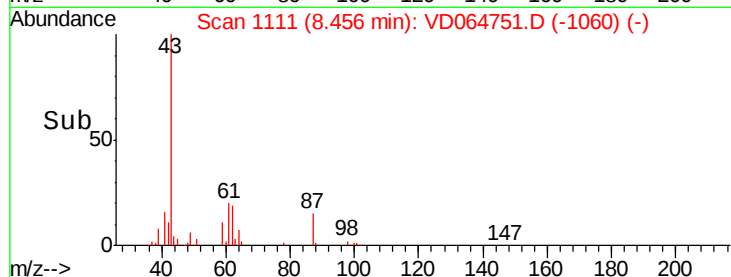
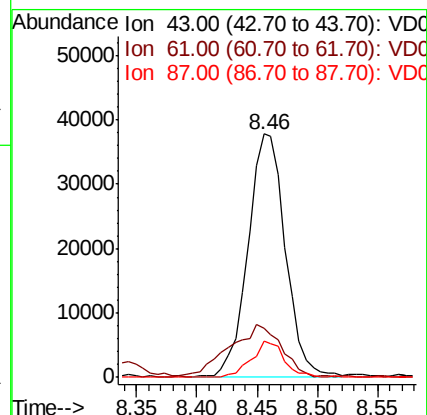
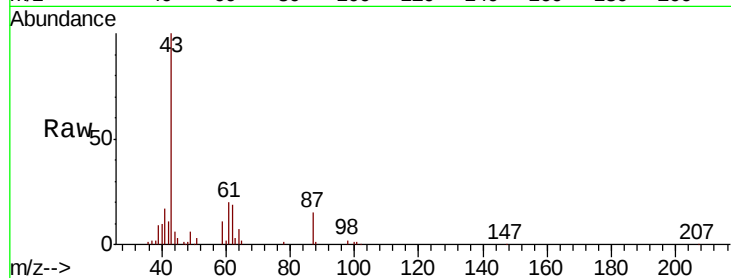




#43
Isopropyl Acetate
Concen: 20.477 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

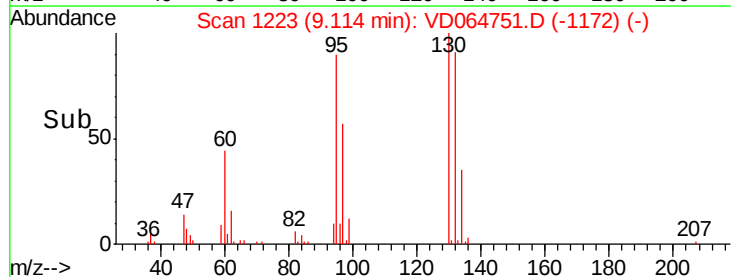
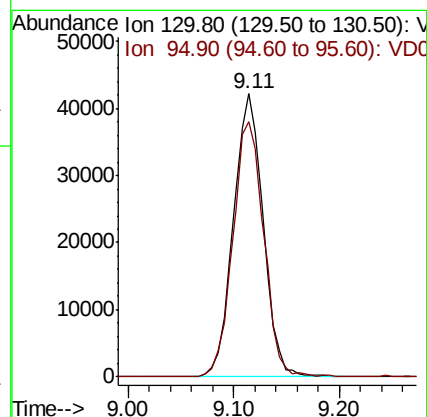
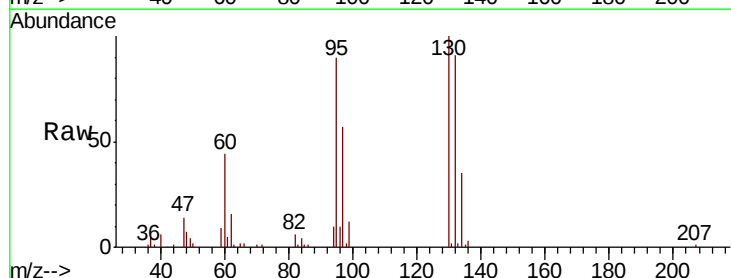
Instrument :
MSVOA_D
ClientSampled :

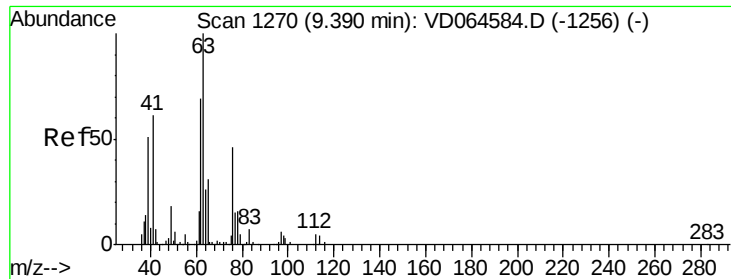
Tot Ion: 43 Resp: 81995
Ion Ratio Lower Upper
43 100
61 30.3 23.7 35.5
87 12.9 10.5 15.7



#44
Trichloroethene
Concen: 19.920 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 130 Resp: 81807
Ion Ratio Lower Upper
130 100
95 90.0 0.0 190.2

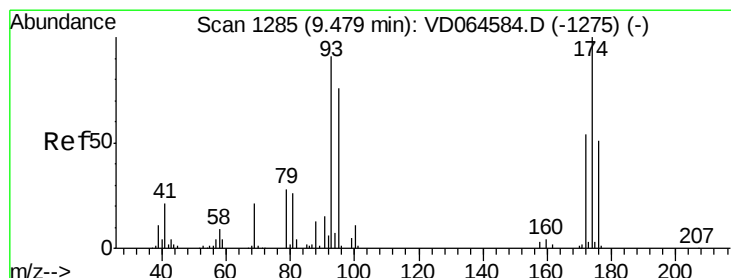
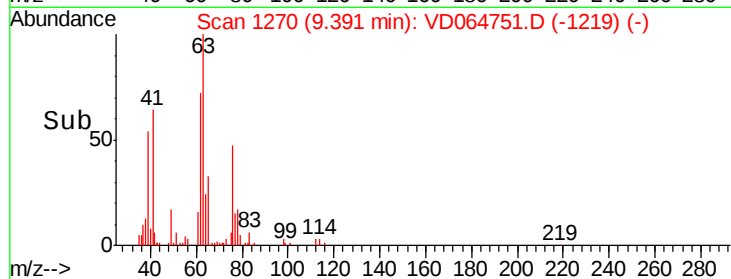
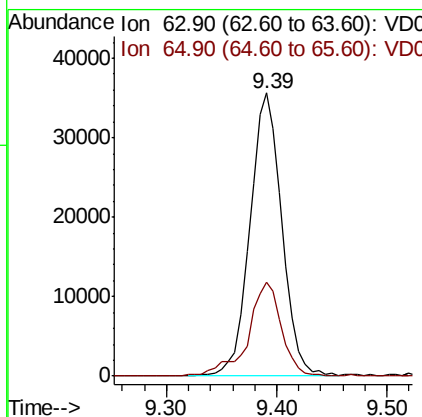
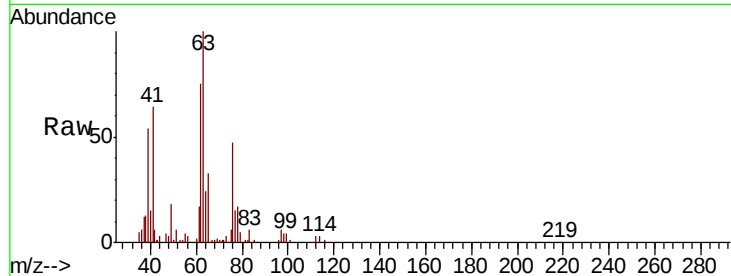




#45
 1,2-Dichloropropane
 Concen: 21.642 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

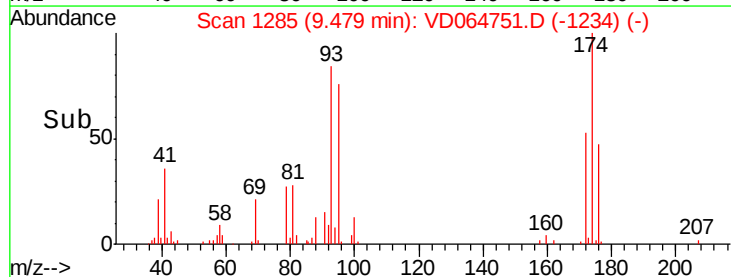
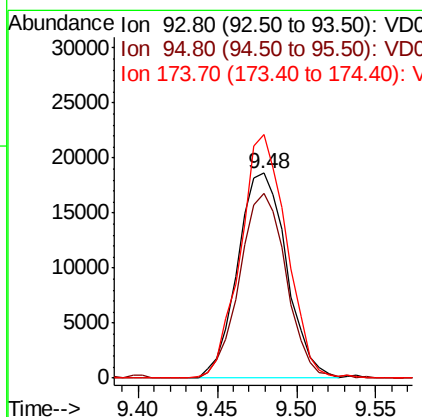
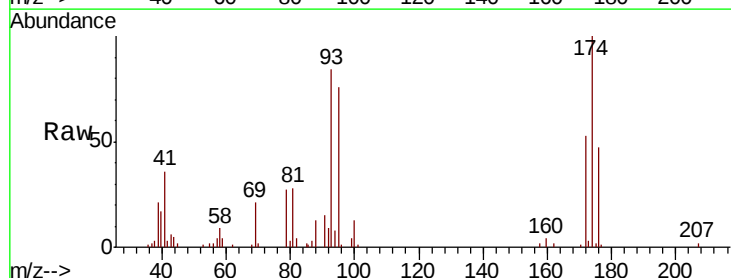
Instrument :
 MSVOA_D
 ClientSampleId :

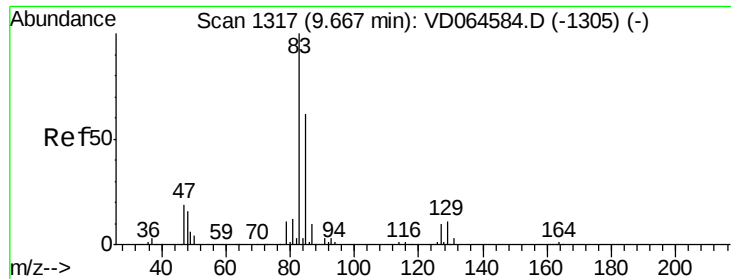
Tot Ion: 63 Resp: 72236
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.2 37.8



#46
 Dibromomethane
 Concen: 21.473 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 93 Resp: 39960
 Ion Ratio Lower Upper
 93 100
 95 86.1 64.6 97.0
 174 112.3 88.1 132.1





#47

Bromodichloromethane

Concen: 21.672 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

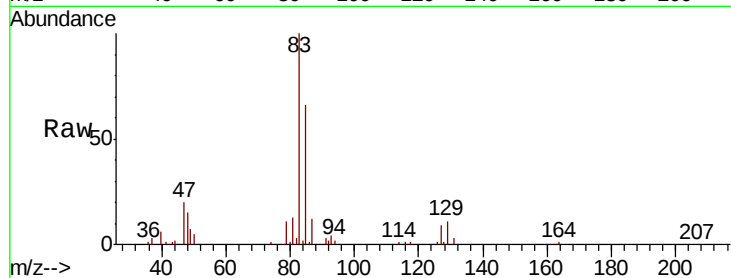
Tot Ion: 83 Resp: 107319

Ion Ratio Lower Upper

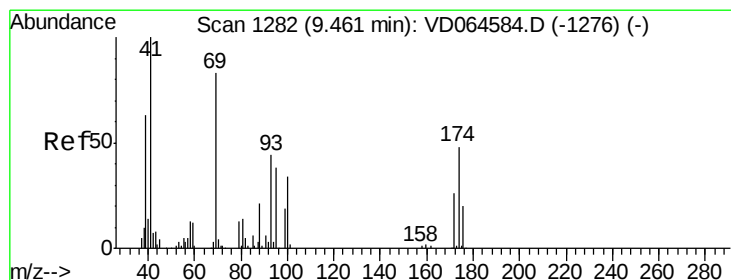
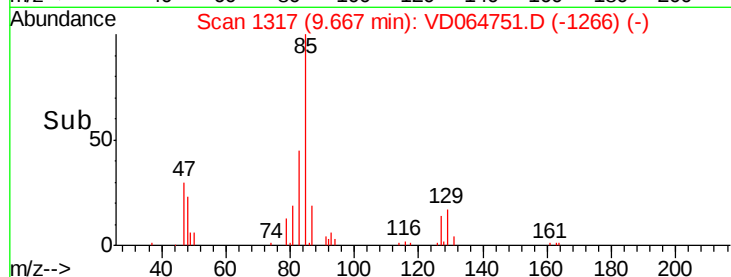
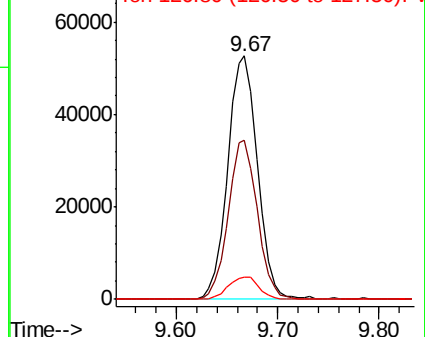
83 100

85 65.6 49.5 74.3

127 9.0 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: 20.677 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

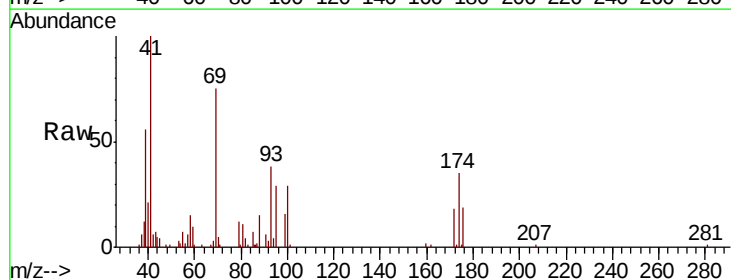
Tgt Ion: 41 Resp: 38985

Ion Ratio Lower Upper

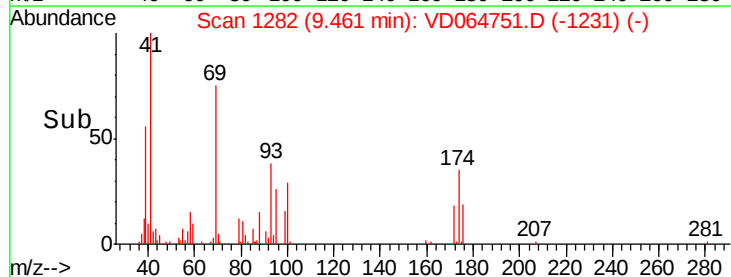
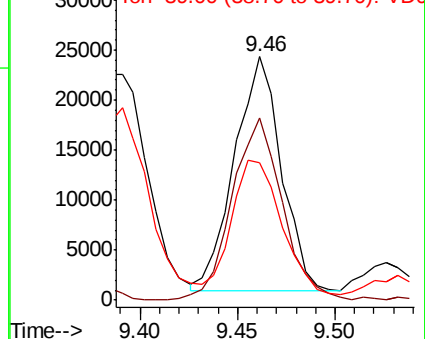
41 100

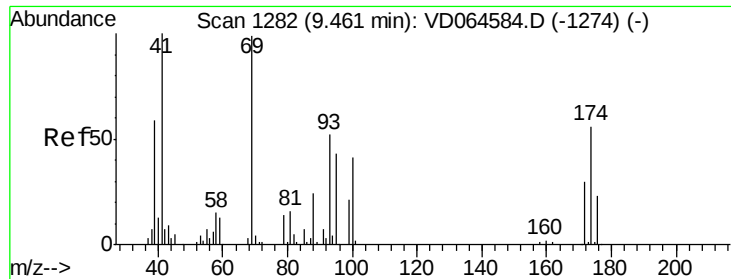
69 83.4 63.0 94.6

39 67.0 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

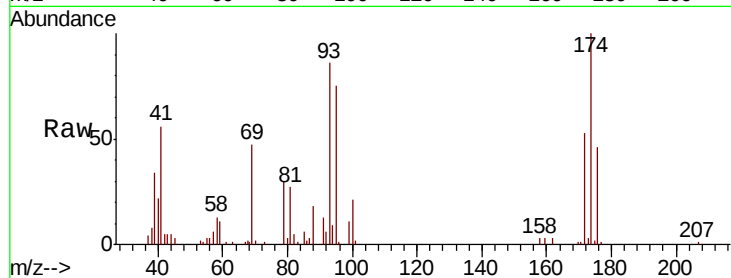




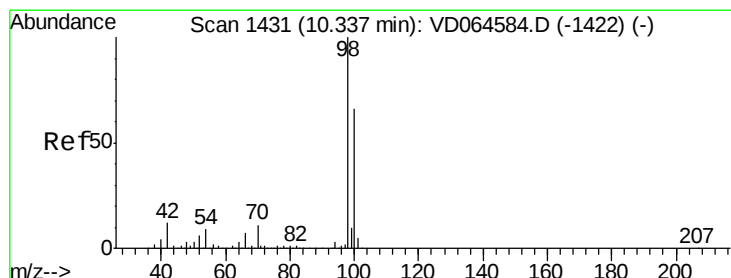
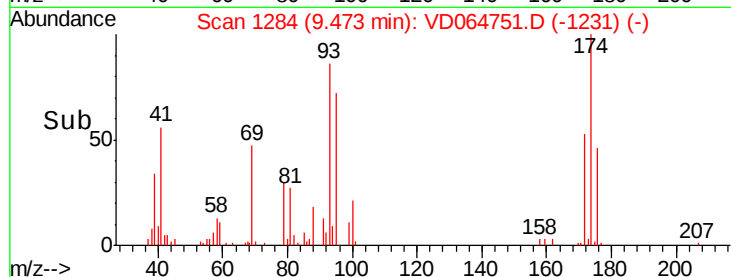
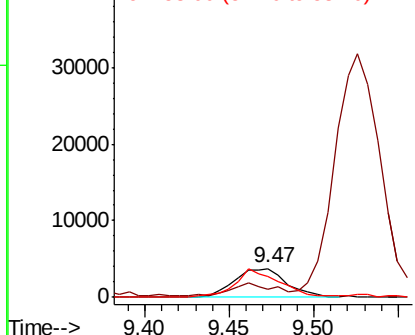
#49
1,4-Dioxane
Concen: 379.770 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 8149
Ion Ratio Lower Upper
88 100
43 33.2 27.7 41.5
58 82.0 53.8 80.6#

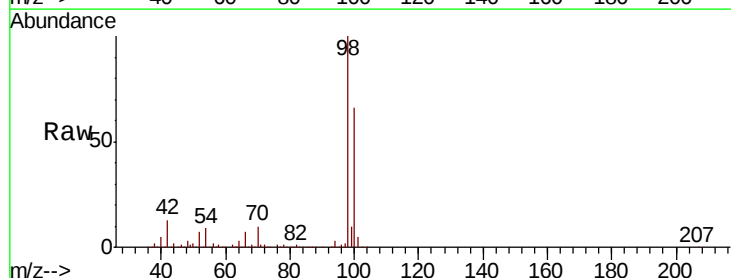


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

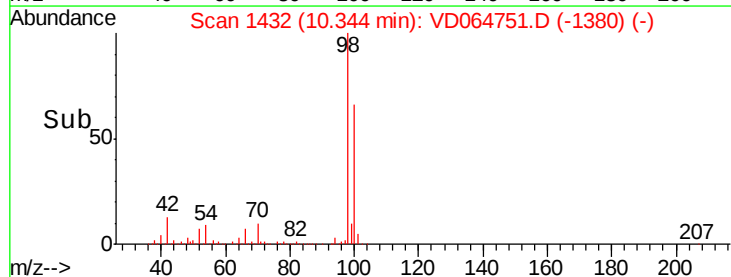
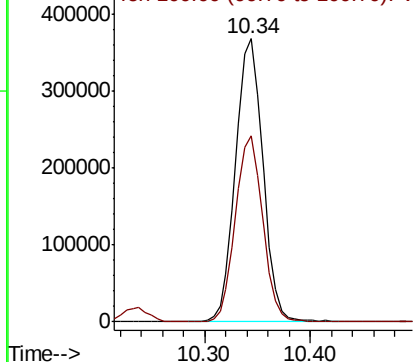


#50
Toluene-d8
Concen: 52.893 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 98 Resp: 661236
Ion Ratio Lower Upper
98 100
100 65.5 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: 105.904 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

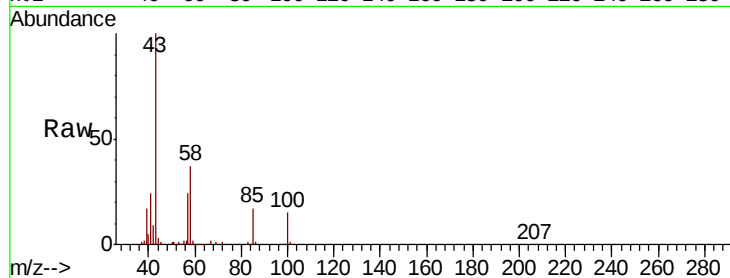
ClientSampled :

Tot Ion: 43 Resp: 209605

Ion Ratio Lower Upper

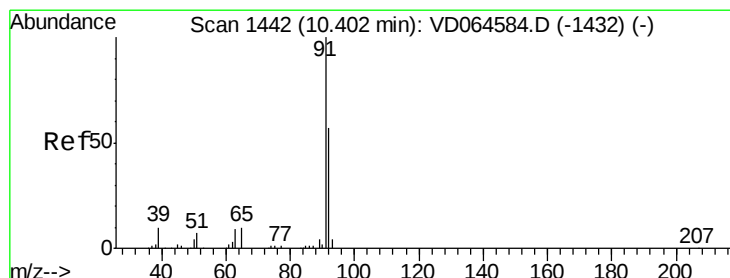
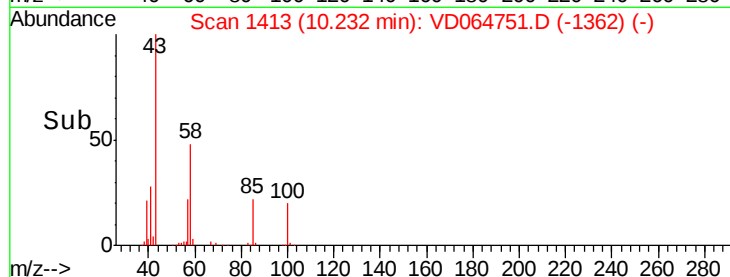
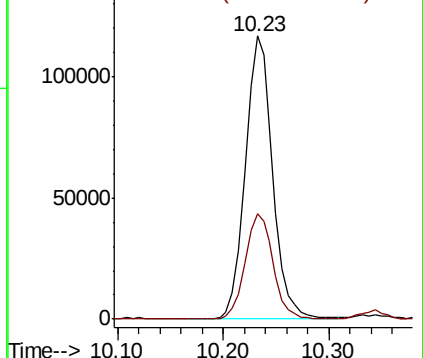
43 100

58 37.9 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: 20.290 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064751.D

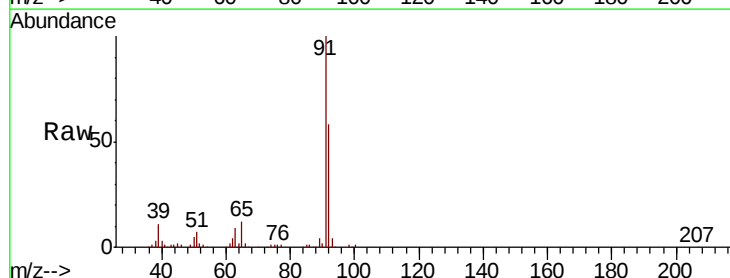
Acq: 04 Jan 2020 00:38

Tgt Ion: 92 Resp: 186092

Ion Ratio Lower Upper

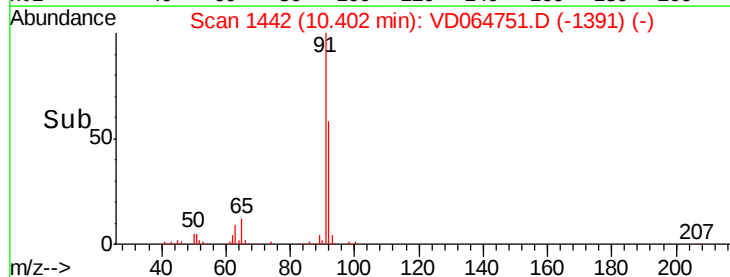
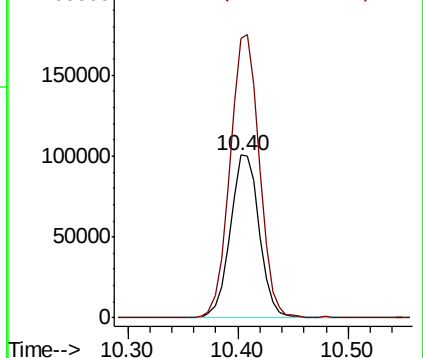
92 100

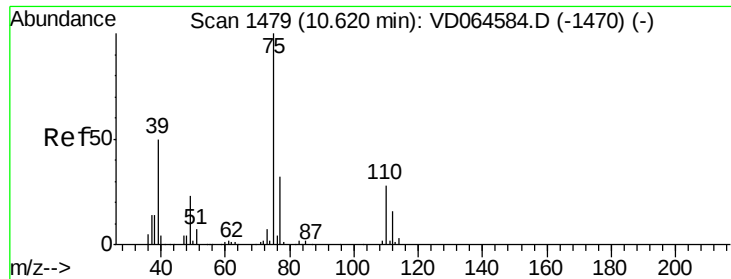
91 175.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

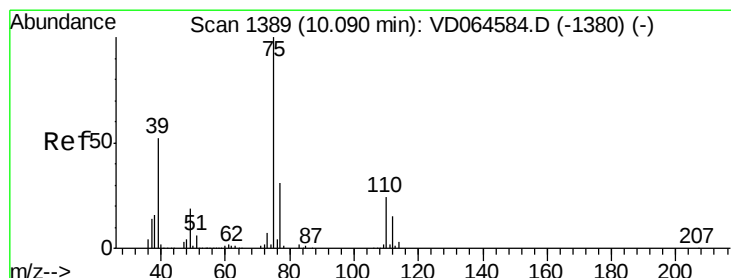
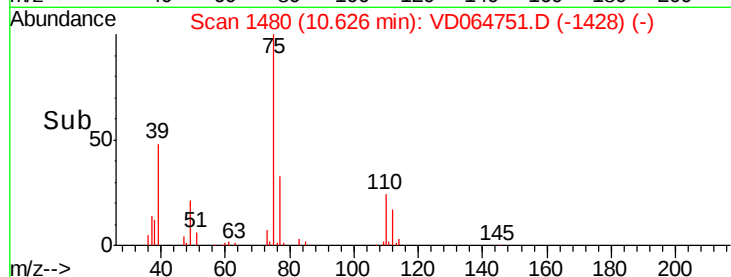
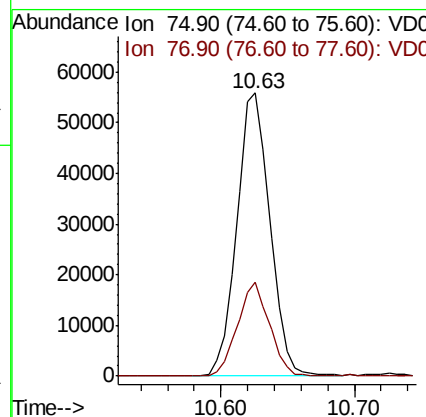
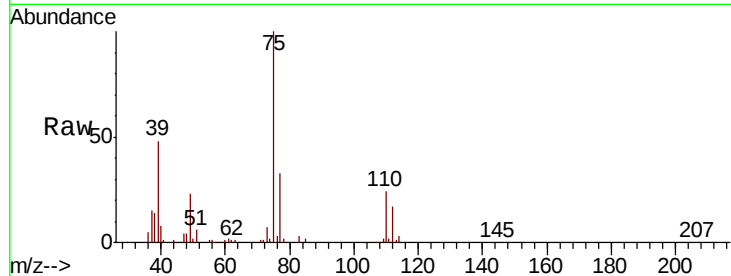




#53
t-1,3-Dichloropropene
Concen: 20.816 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

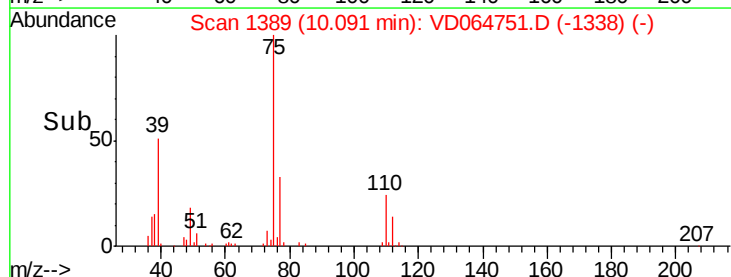
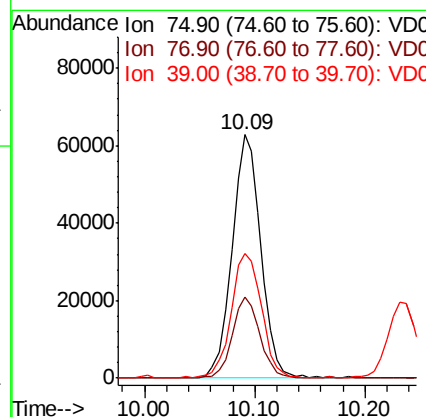
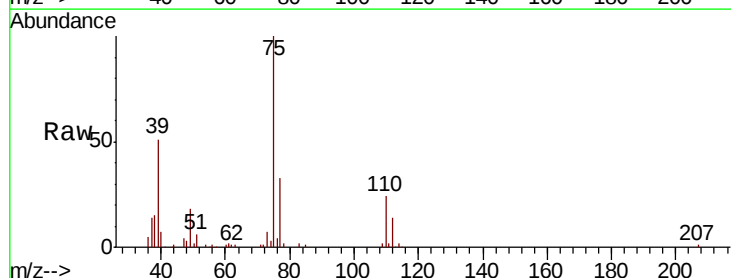
Instrument :
MSVOA_D
ClientSampleId :

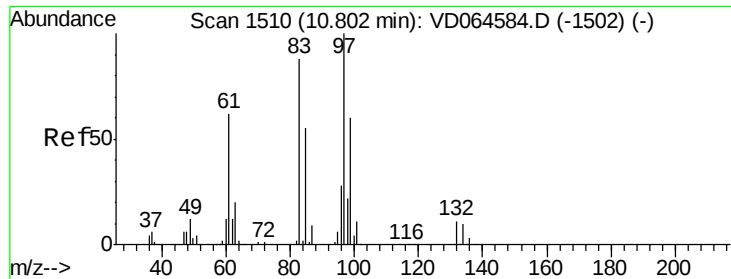
Tot Ion: 75 Resp: 96100
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.988 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 75 Resp: 114256
Ion Ratio Lower Upper
75 100
77 33.1 24.6 36.8
39 51.1 41.4 62.2



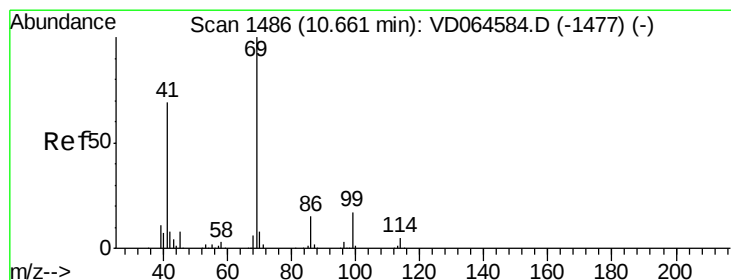
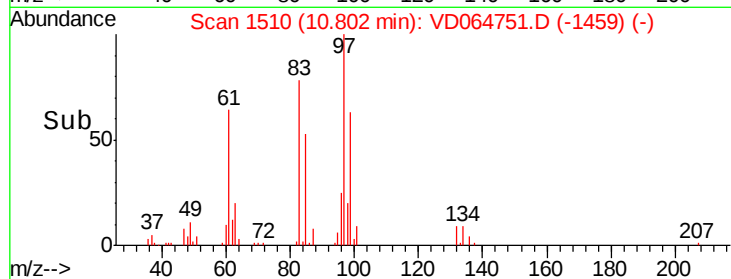
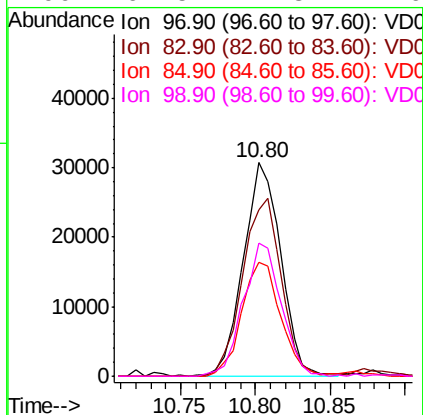
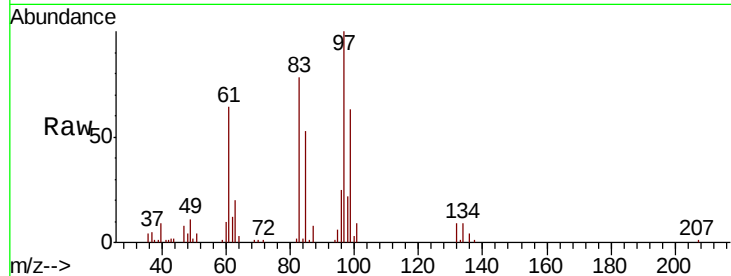


#55
 1,1,2-Trichloroethane
 Concen: 21.246 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 53282

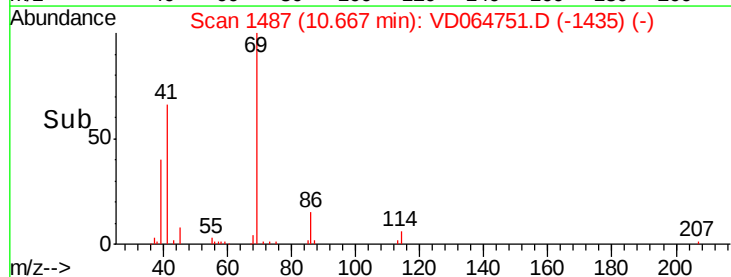
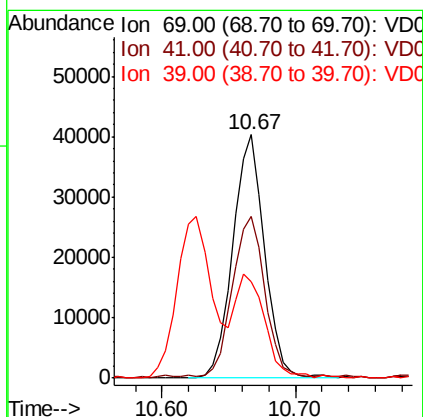
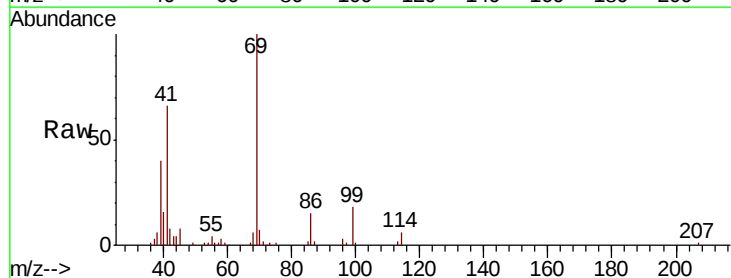
Ion	Ratio	Lower	Upper
97	100		
83	78.0	70.2	105.4
85	53.2	44.0	66.0
99	62.5	47.8	71.6

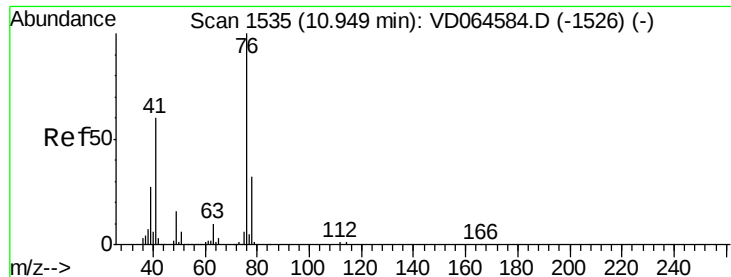


#56
 Ethyl methacrylate
 Concen: 21.240 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 69 Resp: 66526

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.3	82.9
39	39.2	33.8	50.8

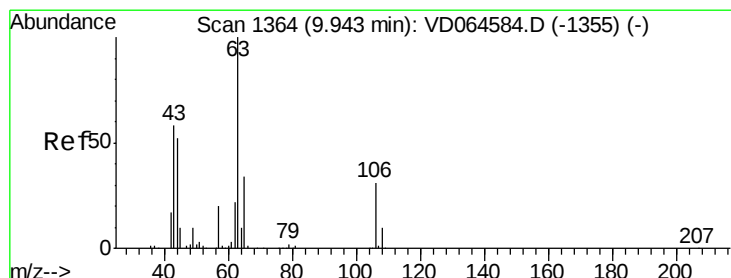
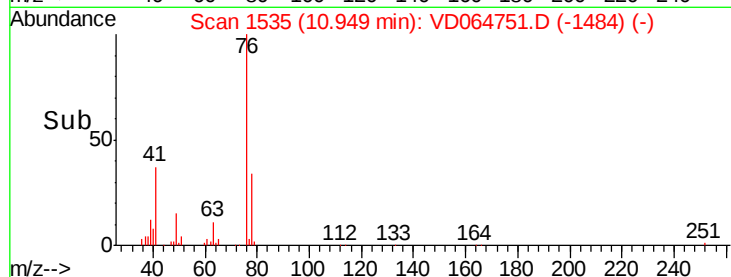
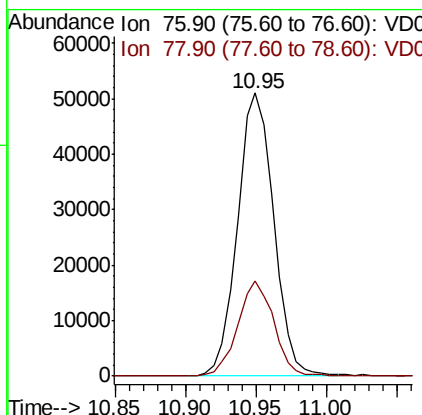
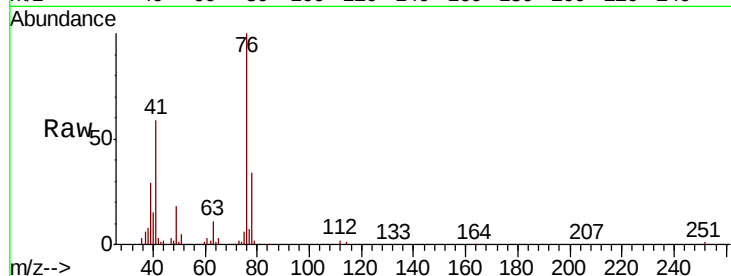




#57
 1,3-Dichloropropane
 Concen: 21.230 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

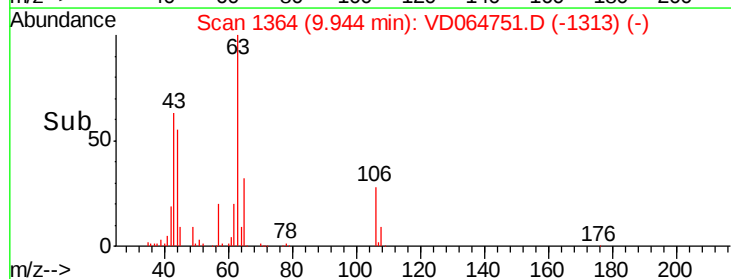
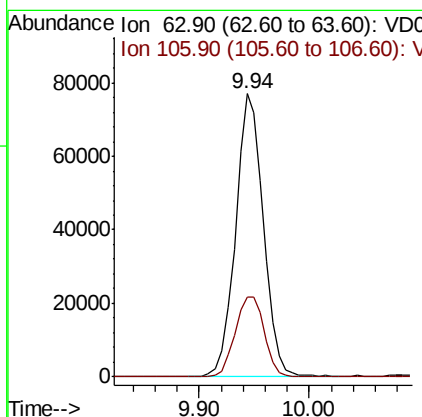
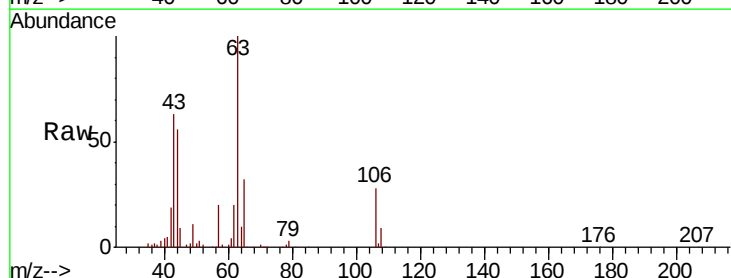
Instrument :
 MSVOA_D
 ClientSampled :

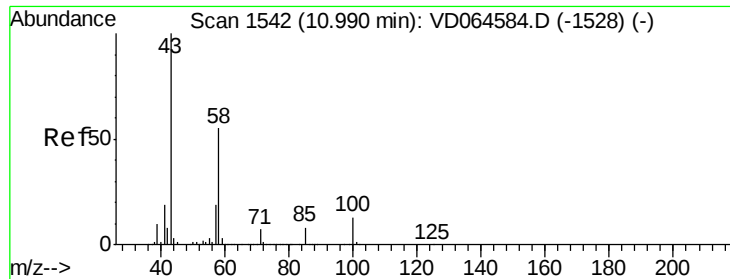
Tot Ion: 76 Resp: 91674
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.004 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 63 Resp: 136040
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.8

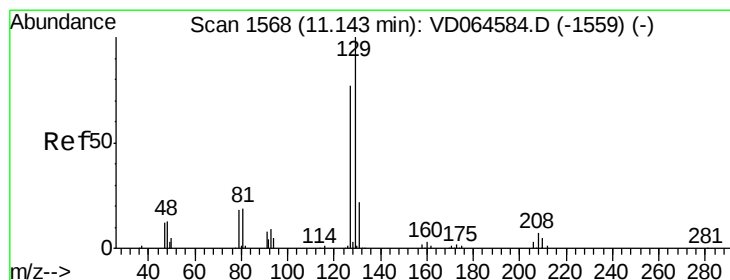
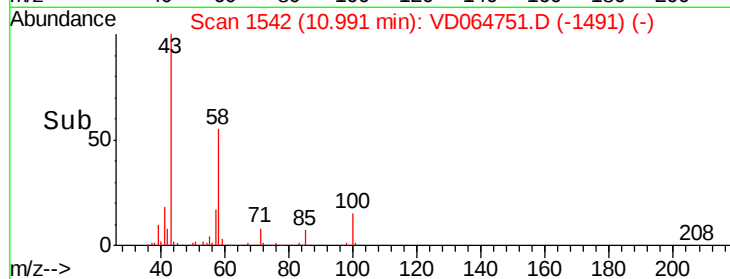
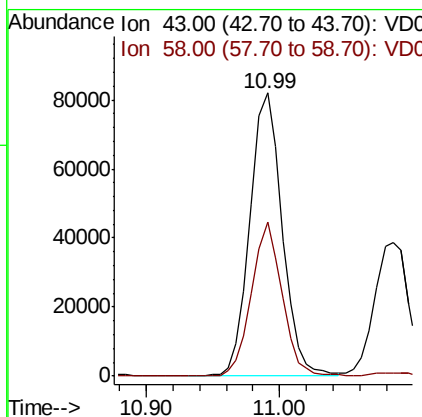
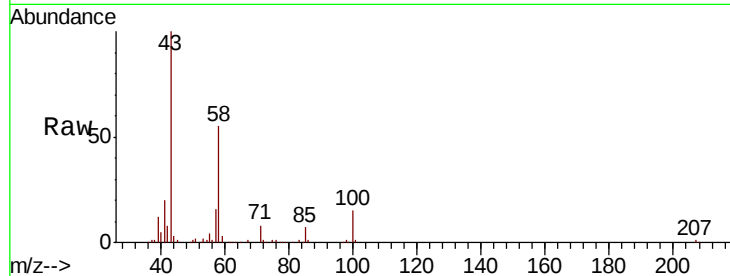




#59
2-Hexanone
Concen: 102.035 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

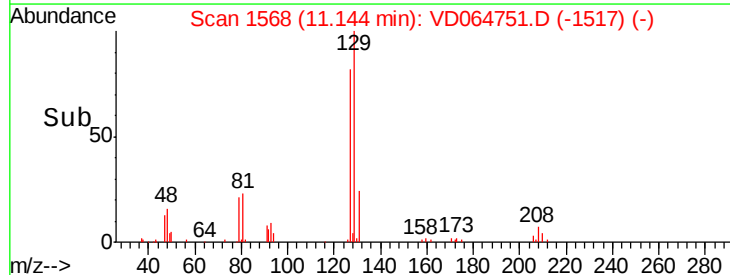
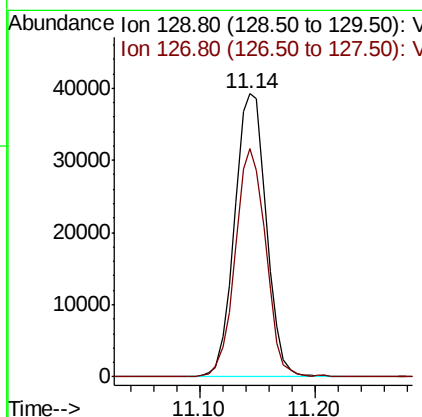
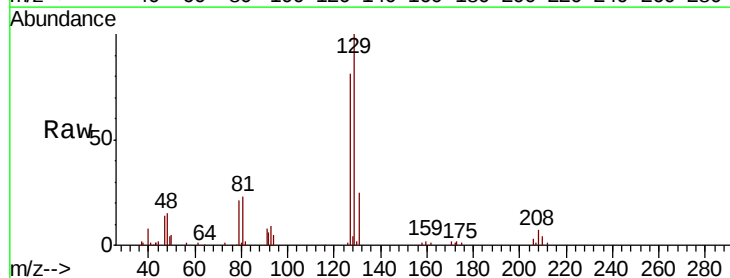
Instrument :
MSVOA_D
ClientSampleId :

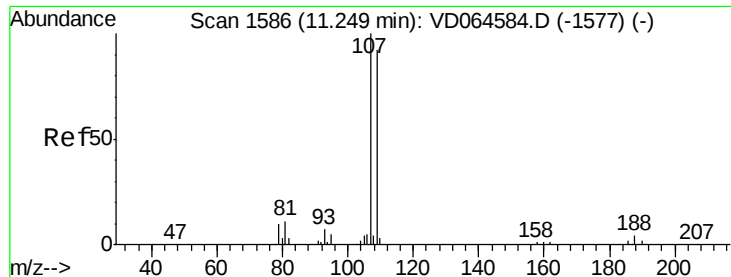
Tot Ion: 43 Resp: 137066
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 21.472 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion:129 Resp: 74468
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2

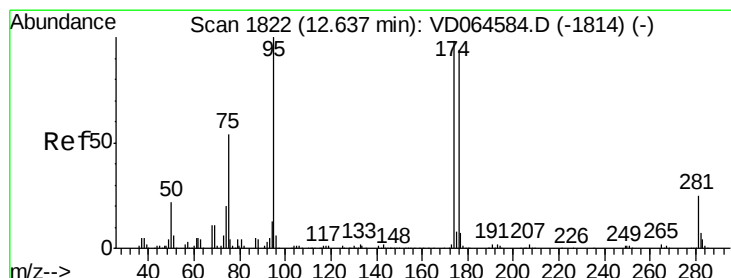
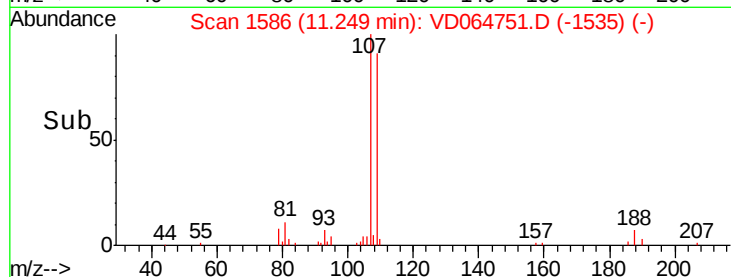
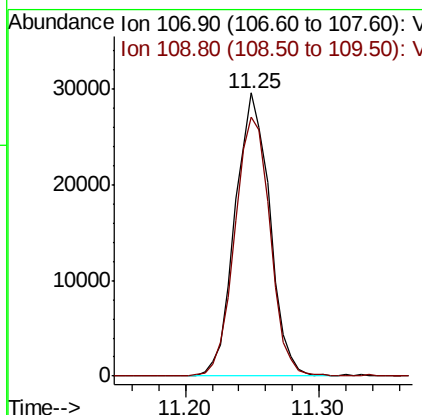
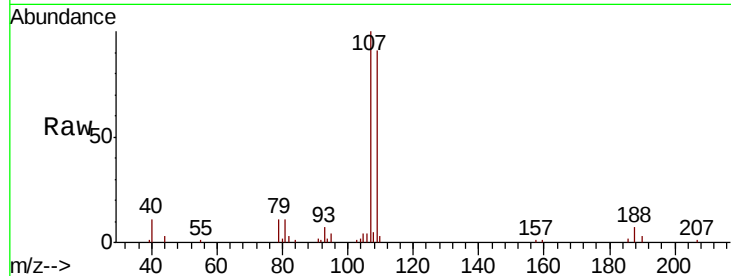




#61
 1,2-Dibromoethane
 Concen: 21.412 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

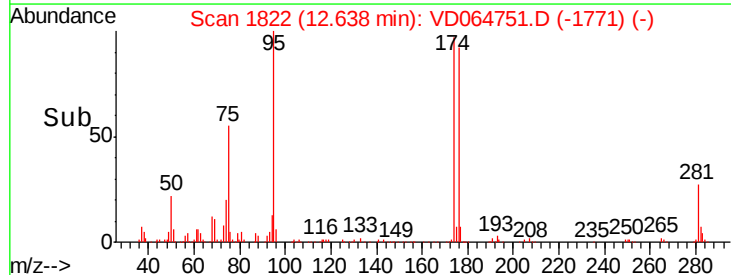
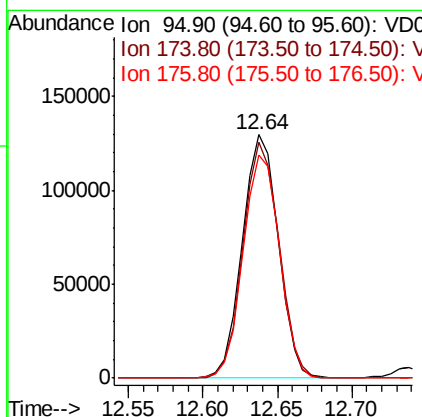
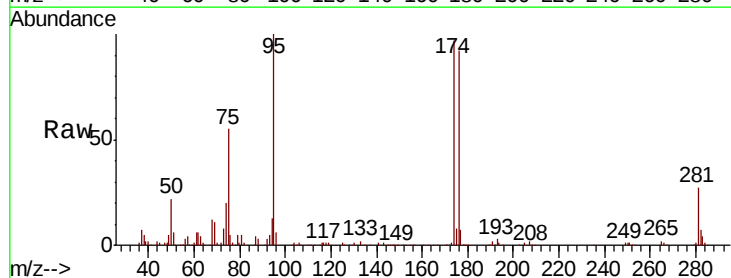
Instrument :
 MSVOA_D
 ClientSampleId :

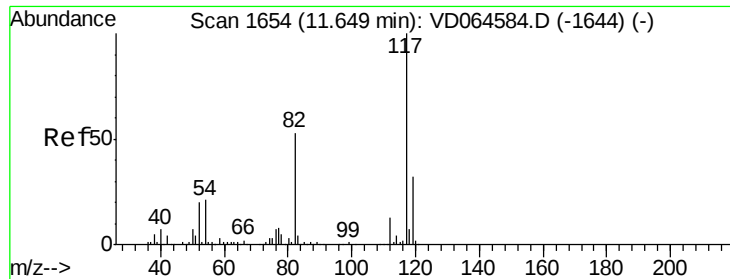
Tot Ion:107 Resp: 52964
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.742 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 95 Resp: 216398
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 193.2
 176 92.9 0.0 184.2

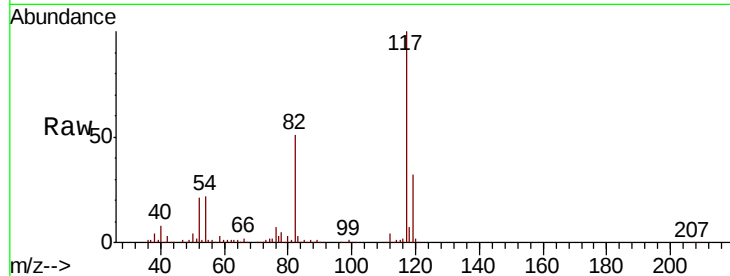




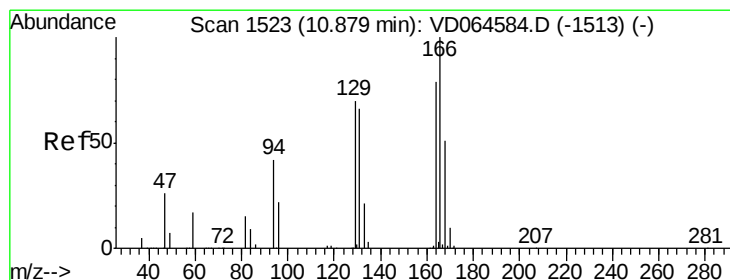
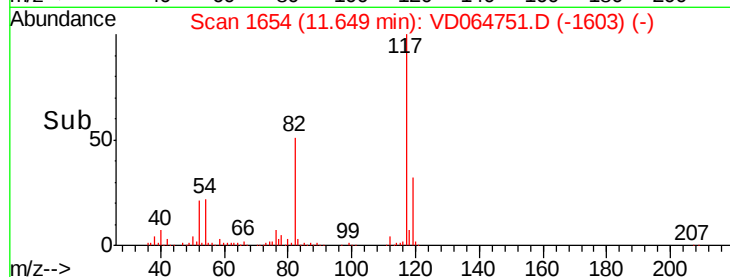
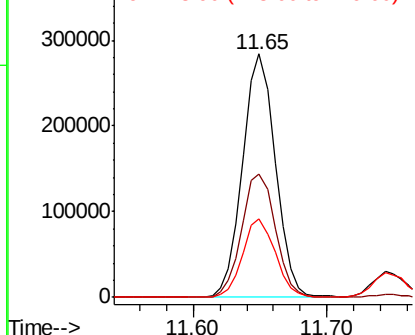
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 483450
Ion Ratio Lower Upper
117 100
82 50.8 42.2 63.4
119 32.1 26.0 39.0

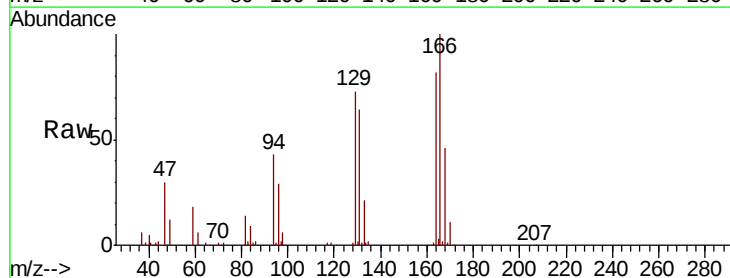


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

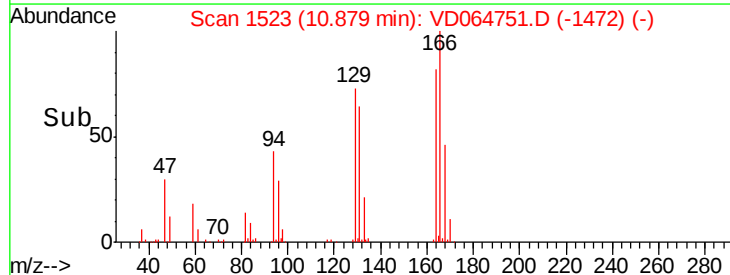
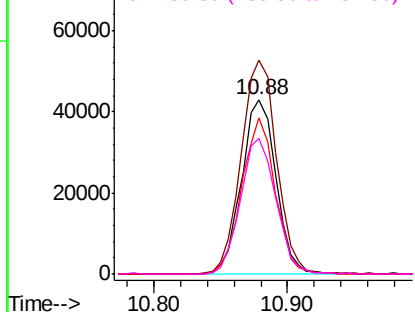


#64
Tetrachloroethene
Concen: 20.648 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion:164 Resp: 76582
Ion Ratio Lower Upper
164 100
166 122.4 101.3 151.9
129 89.1 70.5 105.7
131 78.1 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

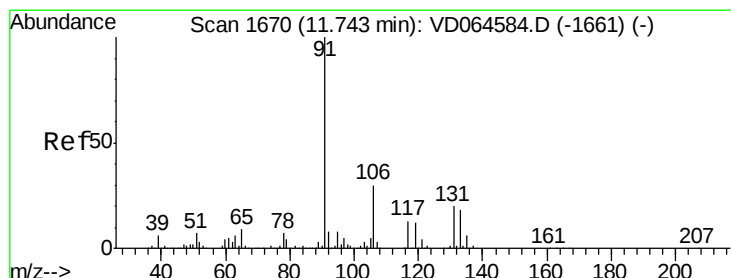
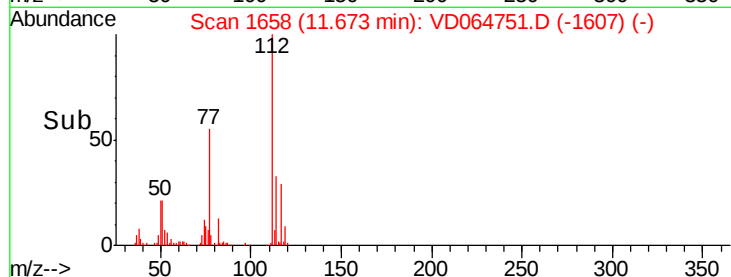
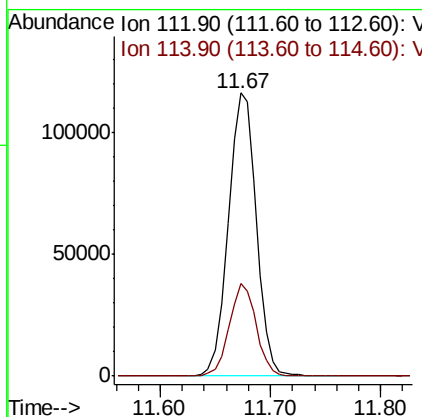
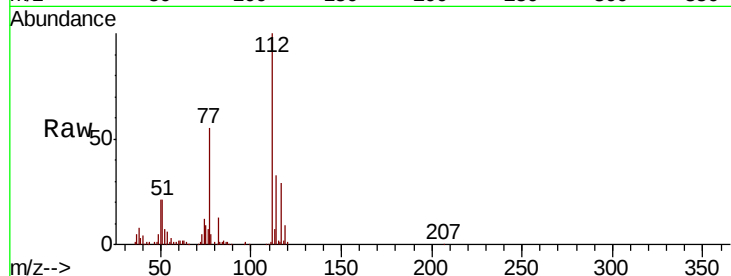




#65
Chlorobenzene
Concen: 20.556 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

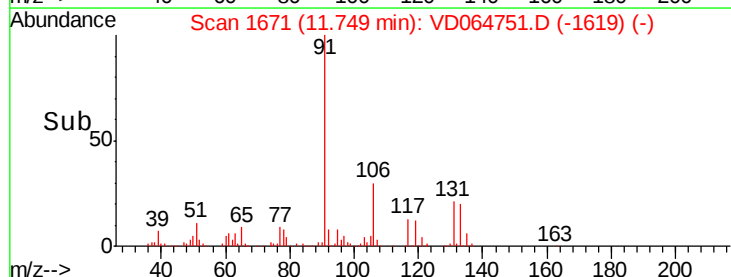
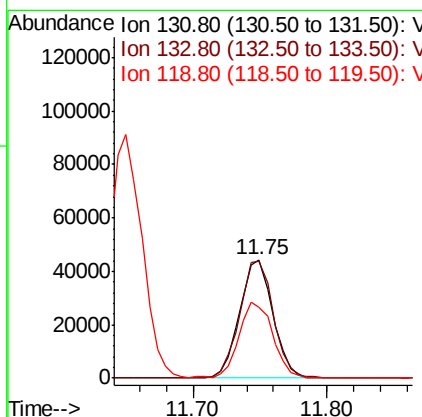
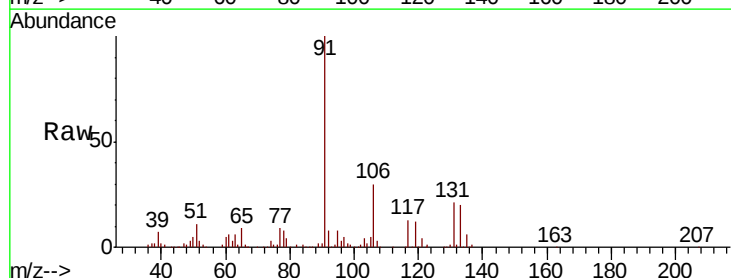
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 206262
Ion Ratio Lower Upper
112 100
114 32.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.131 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion:131 Resp: 76148
Ion Ratio Lower Upper
131 100
133 100.8 48.3 144.8
119 65.4 32.1 96.3

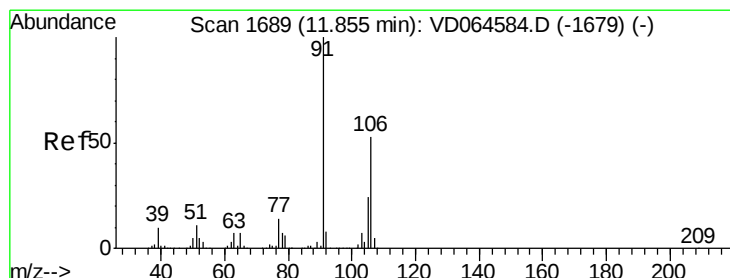
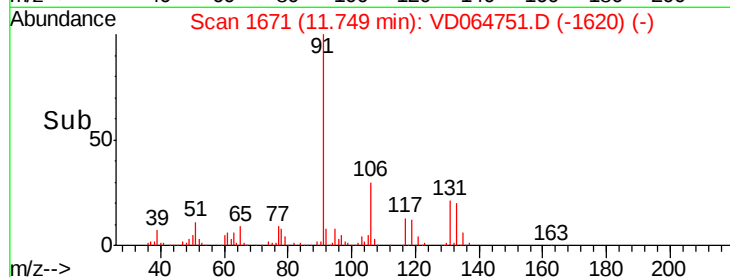
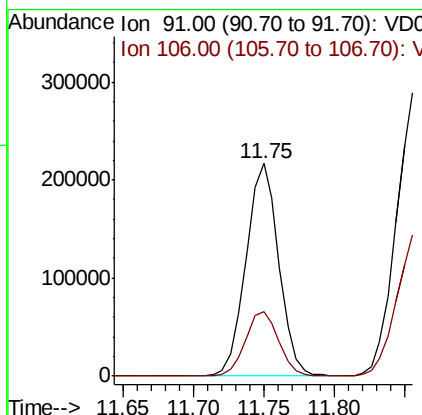
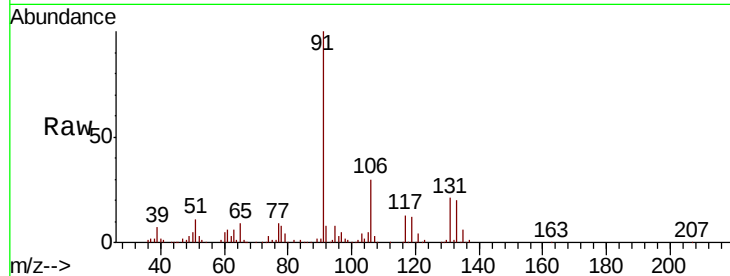




#67
Ethyl Benzene
Concen: 19.412 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

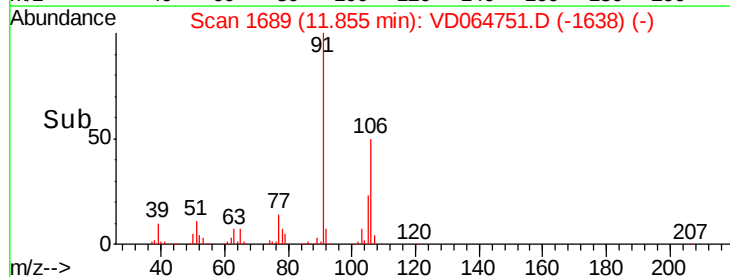
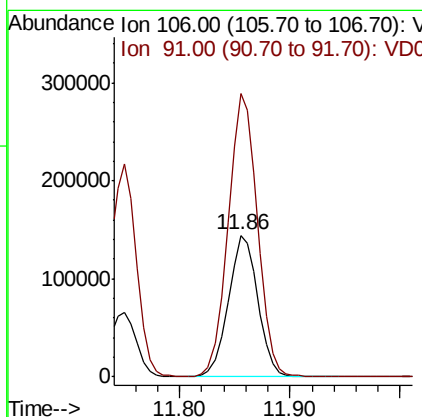
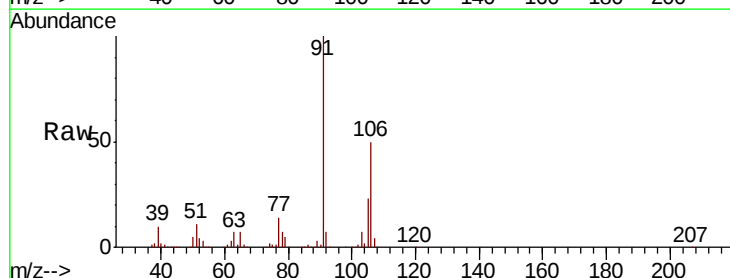
Instrument :
MSVOA_D
ClientSampleId :

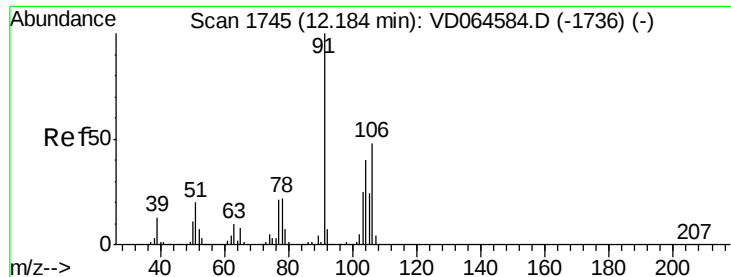
Tot Ion: 91 Resp: 353527
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 38.213 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 106 Resp: 268622
Ion Ratio Lower Upper
106 100
91 199.7 156.3 234.5

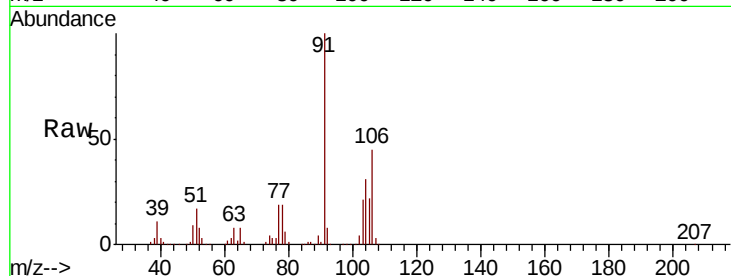




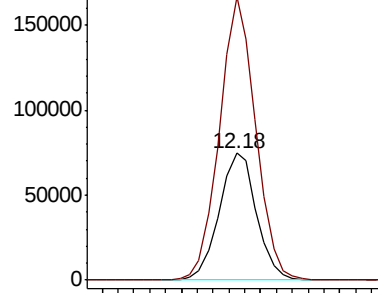
#69
o-Xylene
Concen: 19.239 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampled :

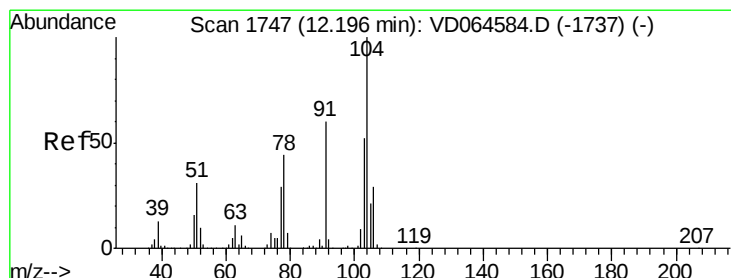
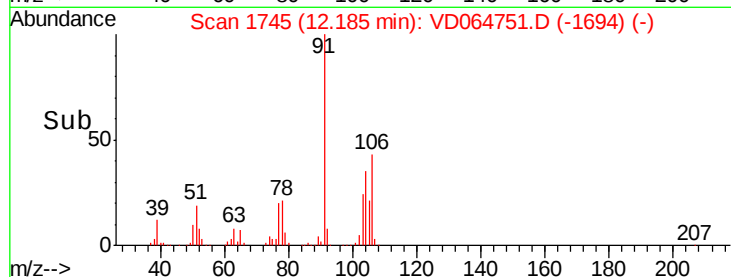
Tot Ion:106 Resp: 122157
Ion Ratio Lower Upper
106 100
91 215.9 104.8 314.4



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

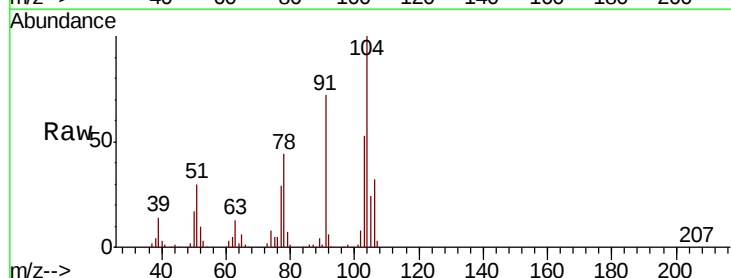


Time--> 12.10 12.15 12.20 12.25

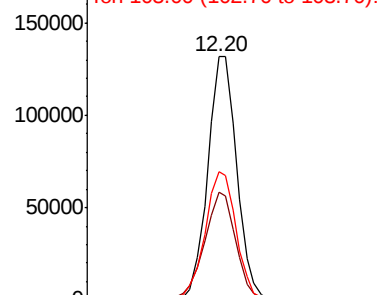


#70
Styrene
Concen: 19.910 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

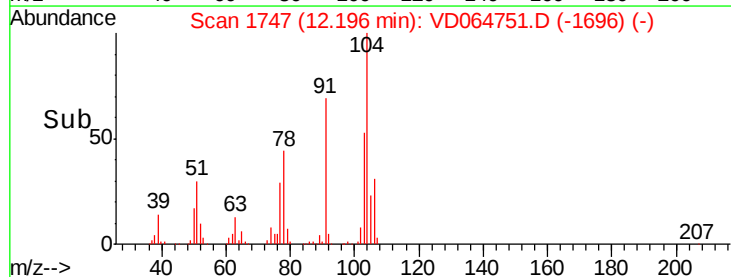
Tgt Ion:104 Resp: 221899
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 56.4 44.6 67.0

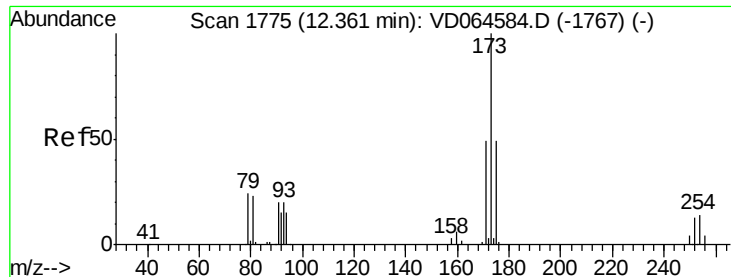


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





#71

Bromoform

Concen: 20.514 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

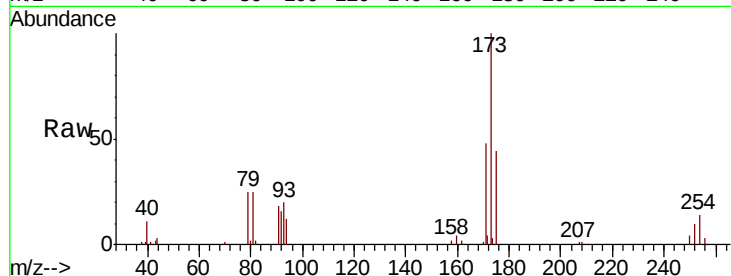
Tot Ion:173 Resp: 44251

Ion Ratio Lower Upper

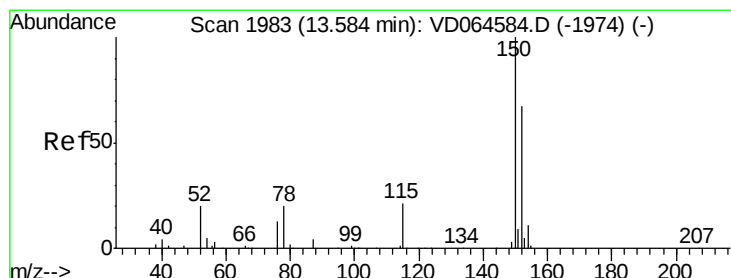
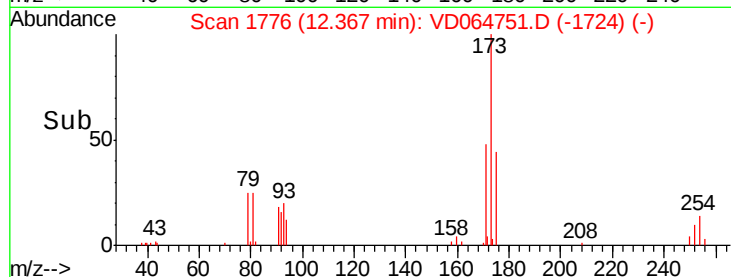
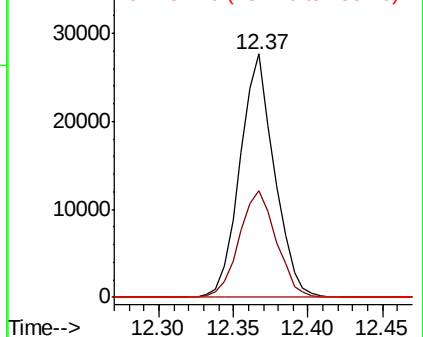
173 100

175 47.0 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: VD064751.D

Acq: 04 Jan 2020 00:38

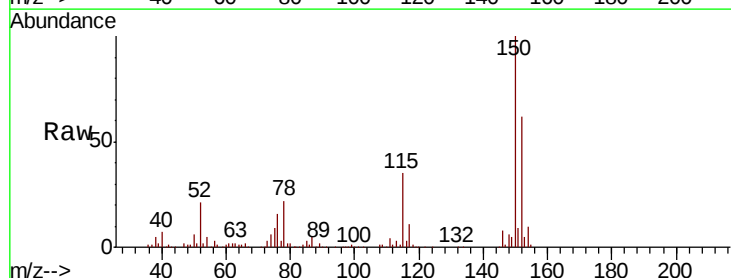
Tgt Ion:152 Resp: 240795

Ion Ratio Lower Upper

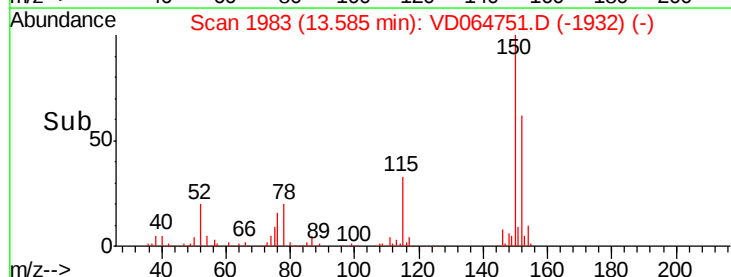
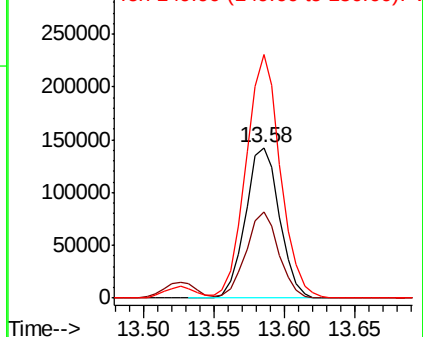
152 100

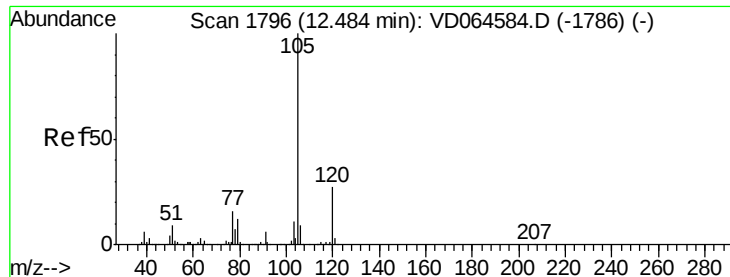
115 54.9 27.8 83.4

150 163.3 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: 19.119 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

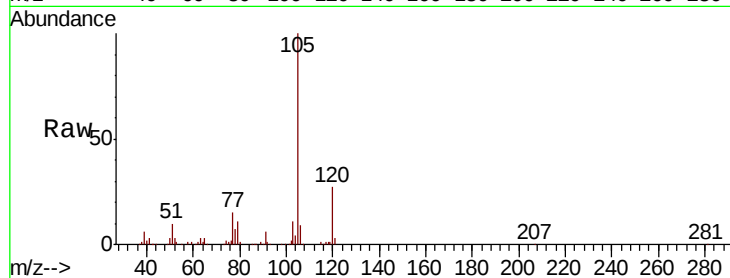
ClientSampleId :

Tot Ion:105 Resp: 329001

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

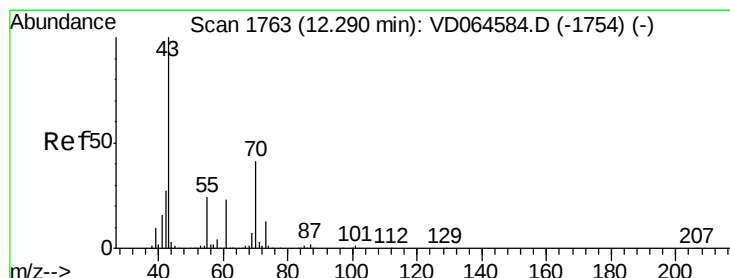
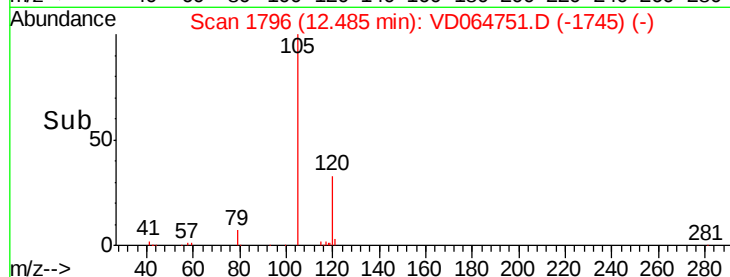
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.410 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion: 43 Resp: 75077

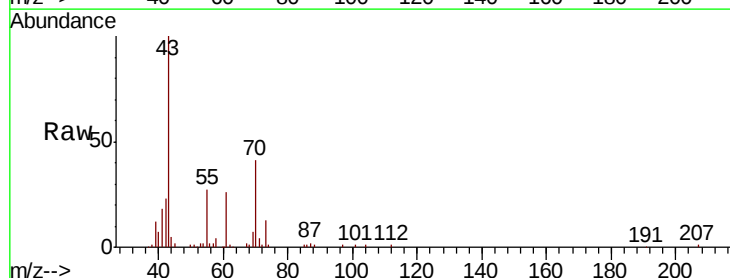
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 25.2 19.4 29.0

61 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.30

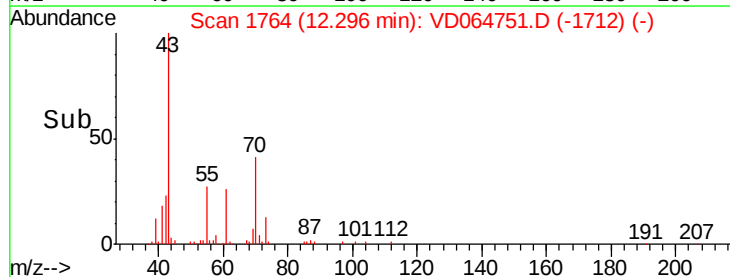
60000

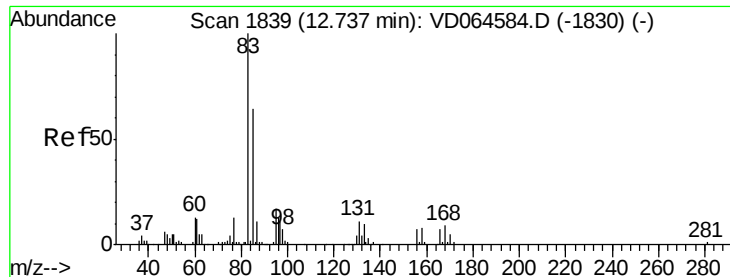
40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.037 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

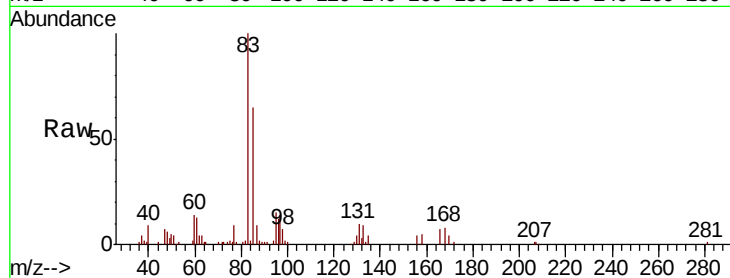
Tot Ion: 83 Resp: 59571

Ion Ratio Lower Upper

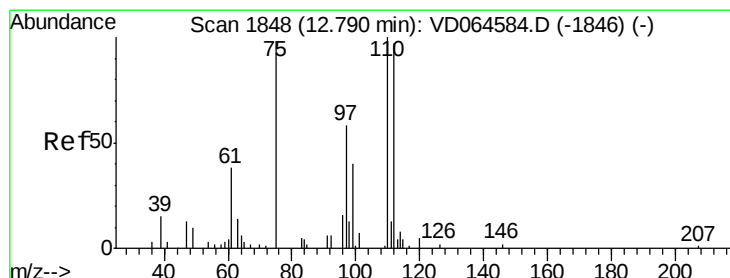
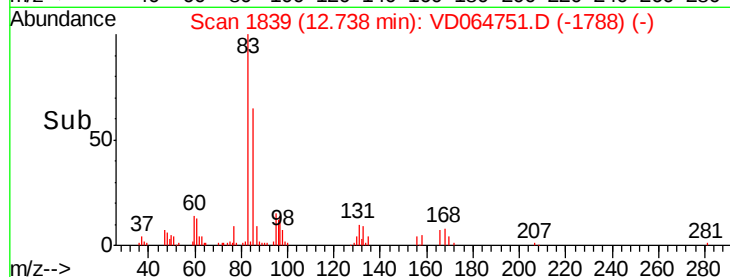
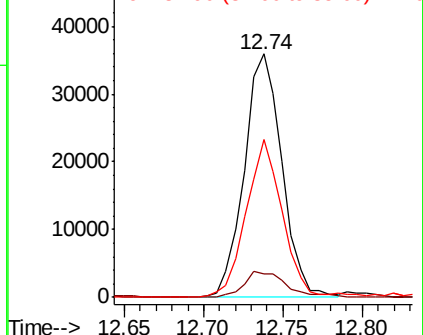
83 100

131 11.6 5.8 17.4

85 61.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.756 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064751.D

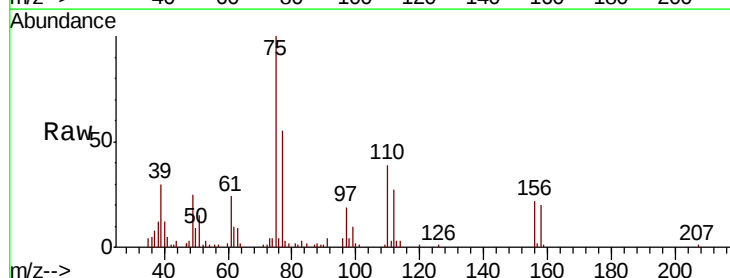
Acq: 04 Jan 2020 00:38

Tgt Ion: 75 Resp: 73693

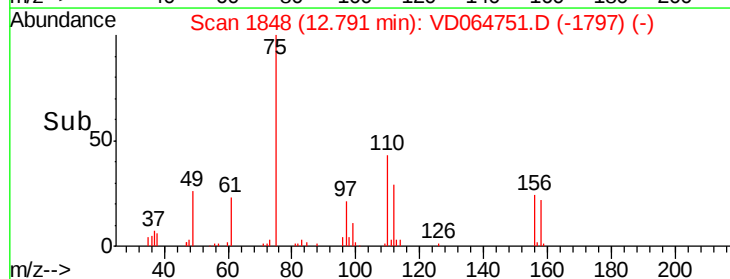
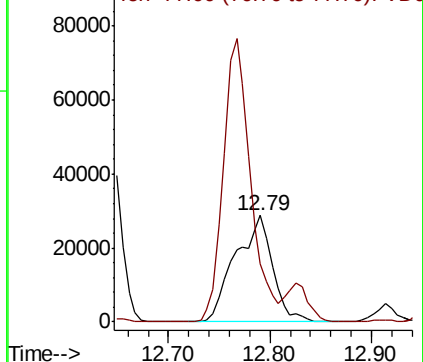
Ion Ratio Lower Upper

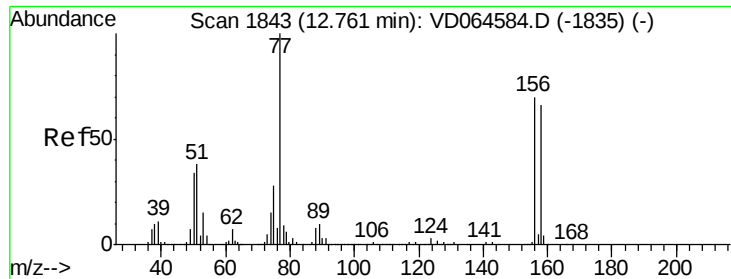
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.557 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

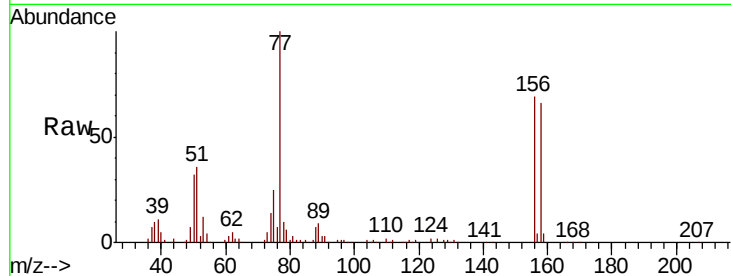
Tot Ion:156 Resp: 86918

Ion Ratio Lower Upper

156 100

77 164.4 80.9 242.7

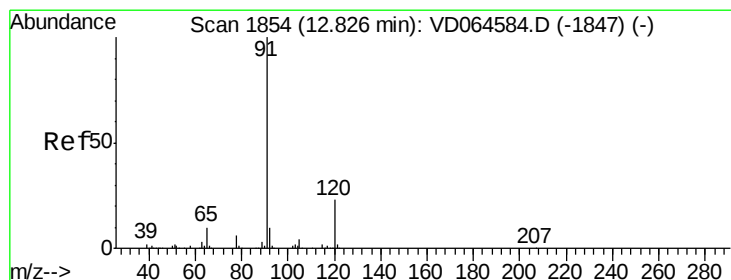
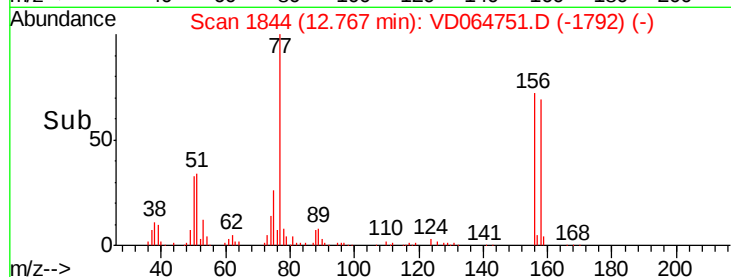
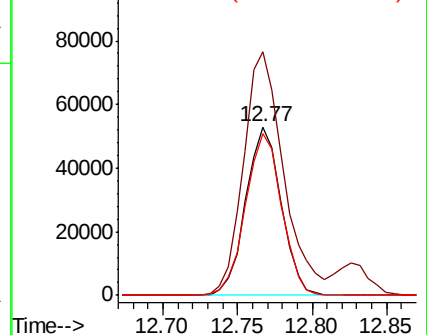
158 97.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.463 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064751.D

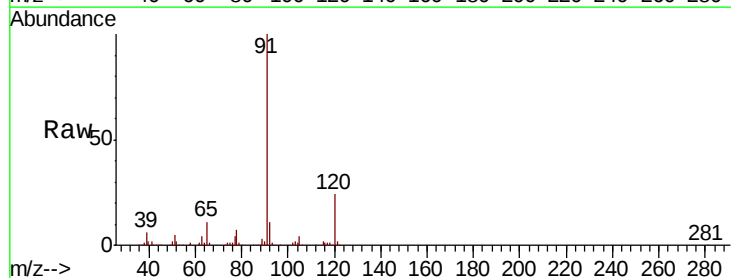
Acq: 04 Jan 2020 00:38

Tgt Ion: 91 Resp: 390715

Ion Ratio Lower Upper

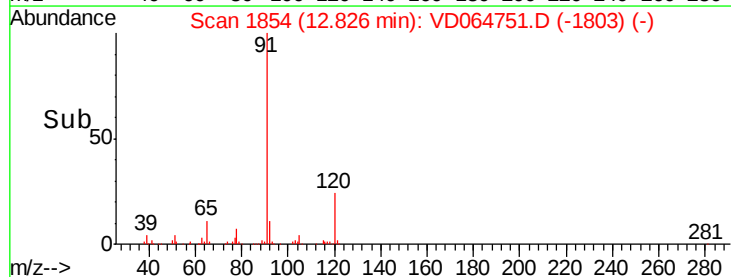
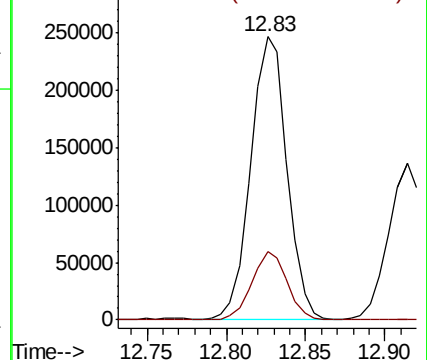
91 100

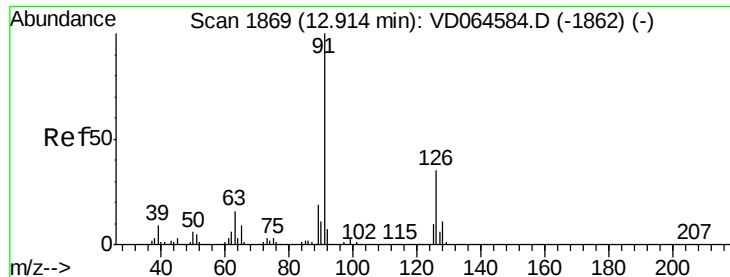
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

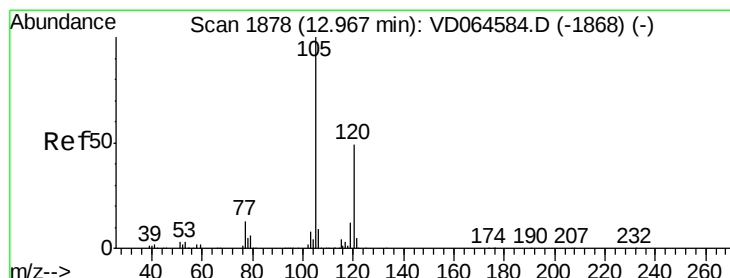
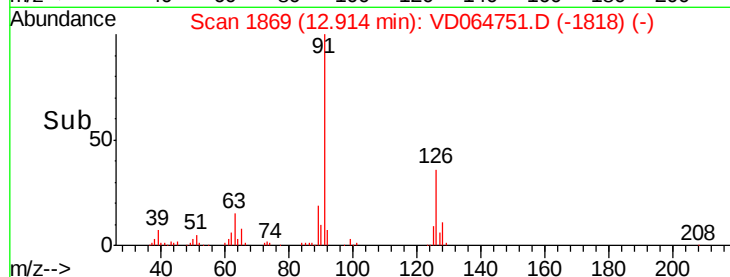
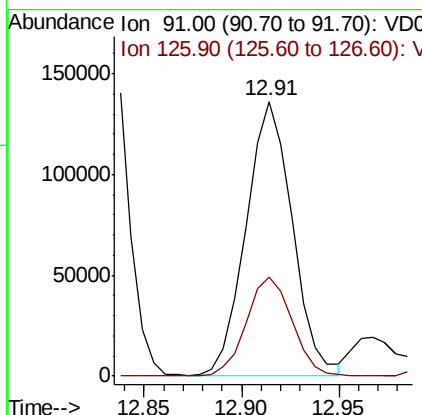
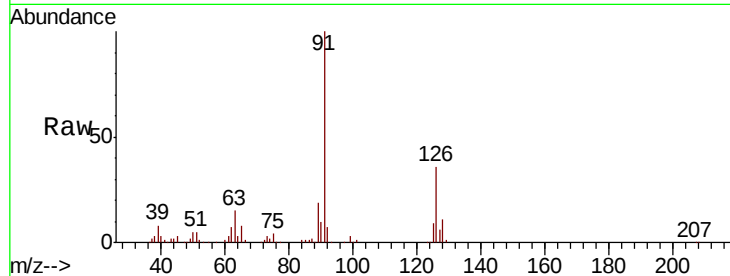




#79
 2-Chlorotoluene
 Concen: 20.352 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

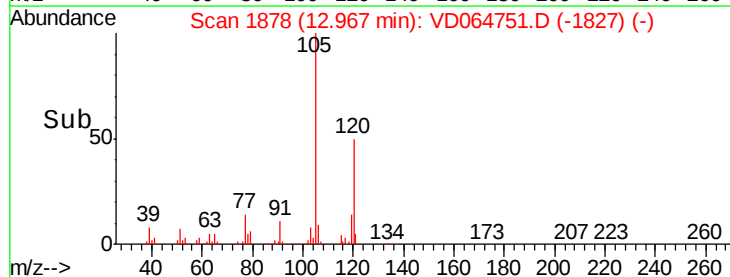
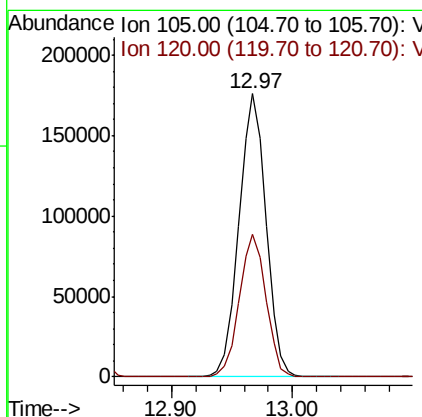
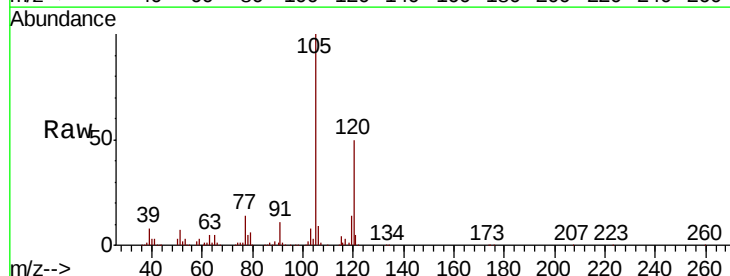
Instrument :
 MSVOA_D
 ClientSampleId :

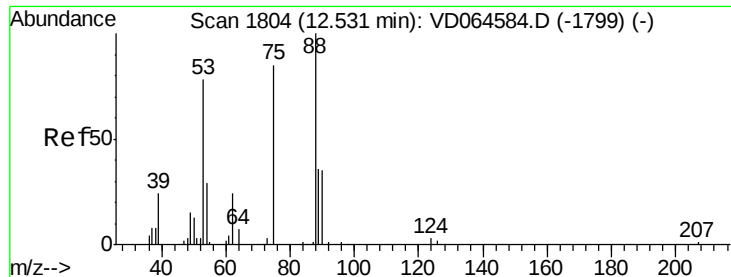
Tot Ion: 91 Resp: 224439
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.510 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion:105 Resp: 275776
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.0 75.0

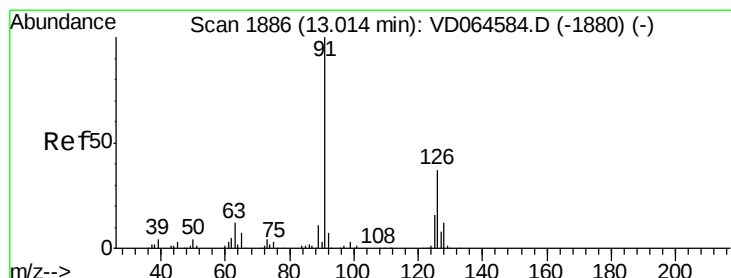
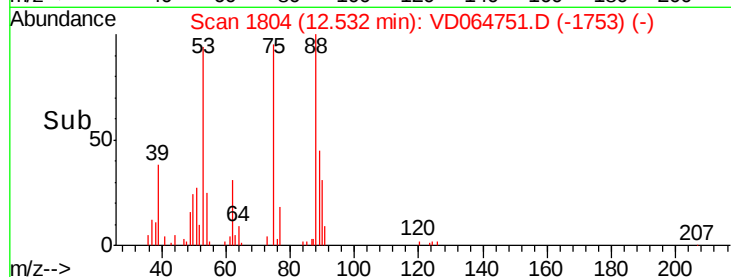
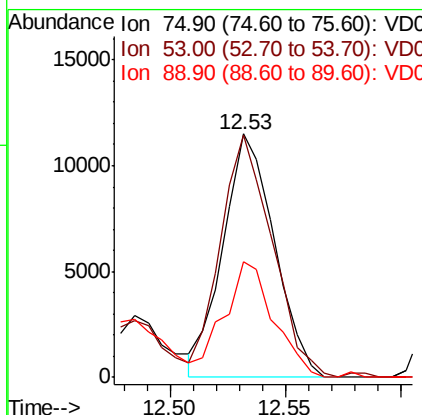
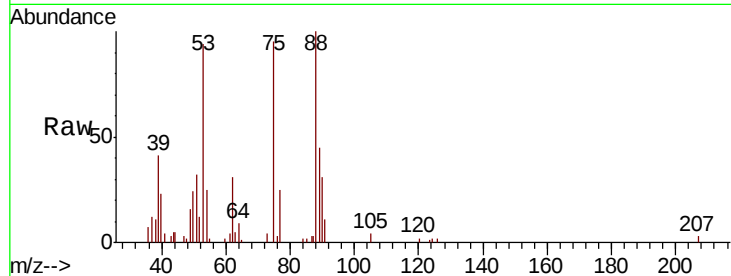




#81
trans-1,4-Dichloro-2-butene
Concen: 19.626 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

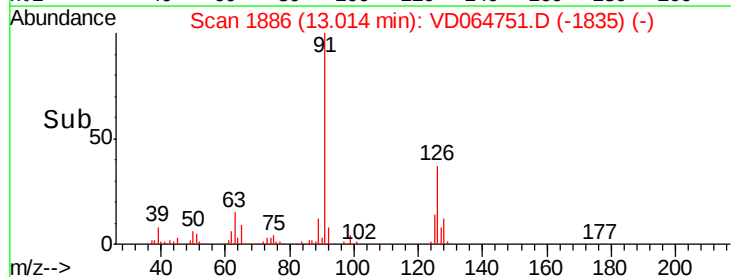
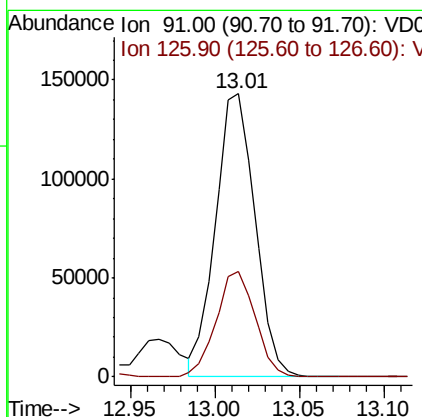
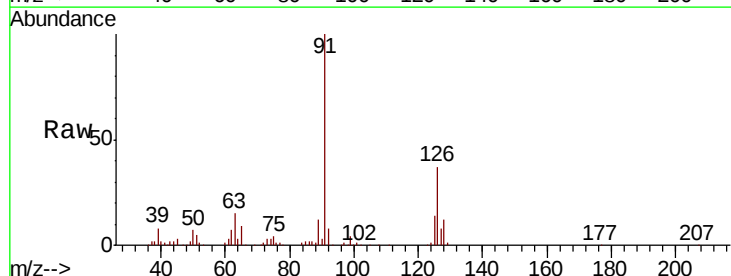
Instrument :
MSVOA_D
ClientSampleId :

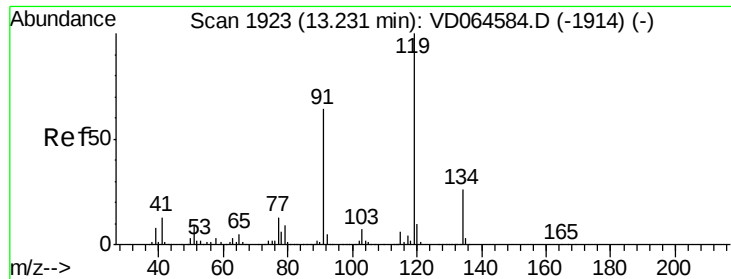
Tot Ion: 75 Resp: 17843
Ion Ratio Lower Upper
75 100
53 100.0 78.8 118.2
89 46.4 38.3 57.5



#82
4-Chlorotoluene
Concen: 19.891 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 91 Resp: 233435
Ion Ratio Lower Upper
91 100
126 37.1 17.8 53.5

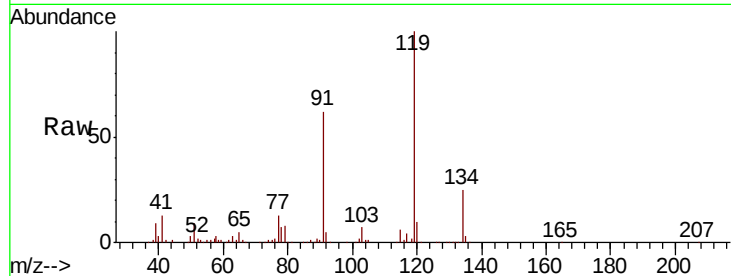




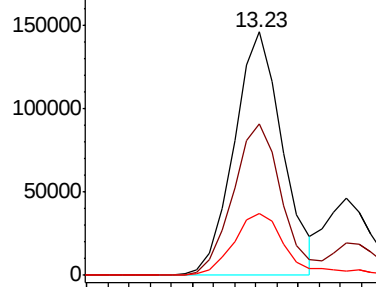
#83
tert-Butylbenzene
Concen: 19.014 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :

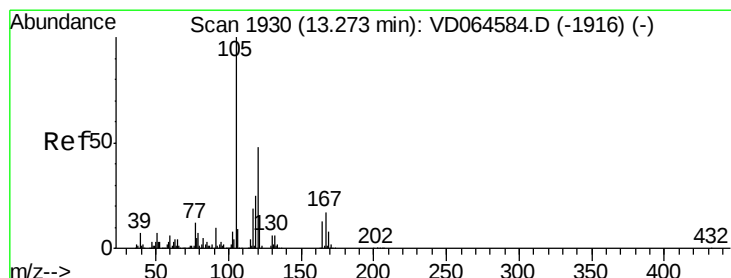
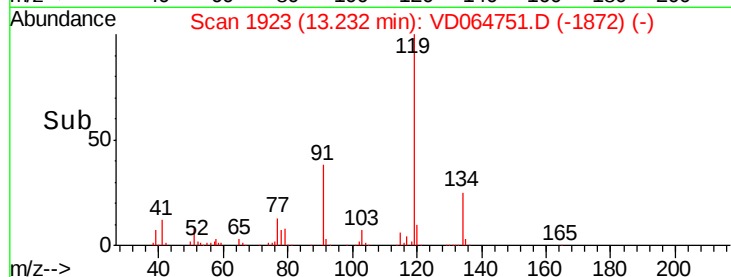
Tot Ion:119 Resp: 233353
Ion Ratio Lower Upper
119 100
91 63.0 30.8 92.4
134 28.1 12.8 38.3



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

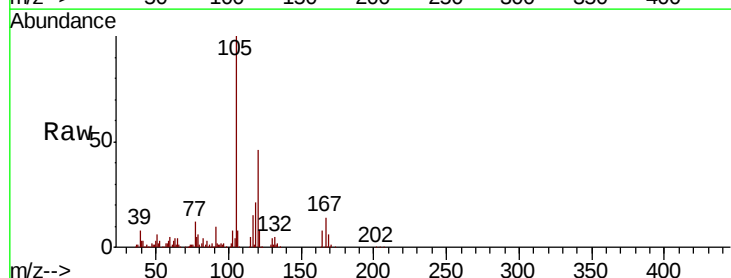


Time--> 13.15 13.20 13.25

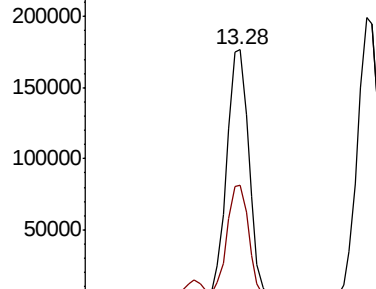


#84
1,2,4-Trimethylbenzene
Concen: 20.424 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

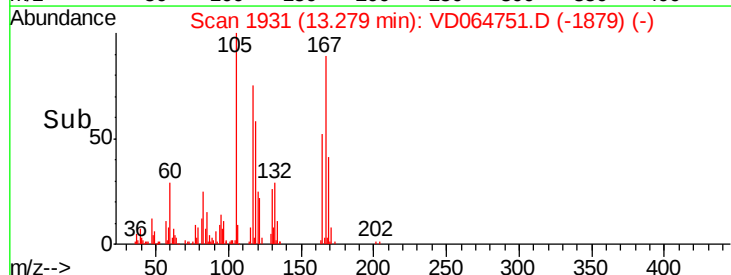
Tgt Ion:105 Resp: 287532
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.2



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



Time--> 13.20 13.30

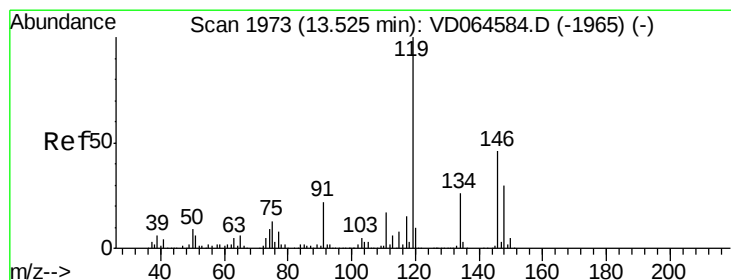
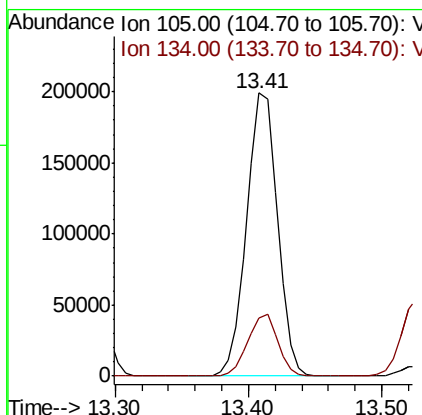
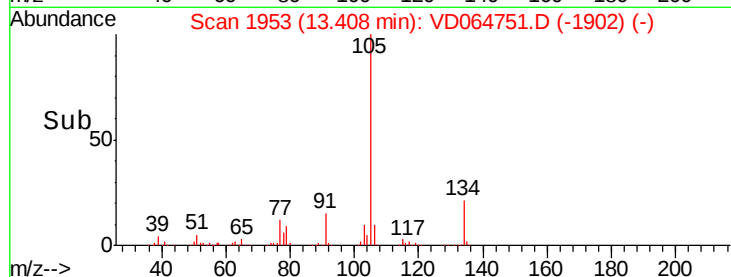
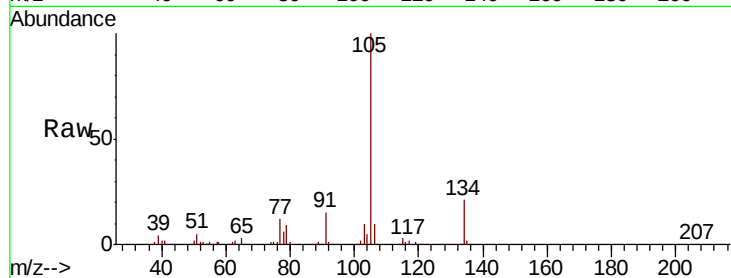




#85
 sec-Butylbenzene
 Concen: 18.875 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

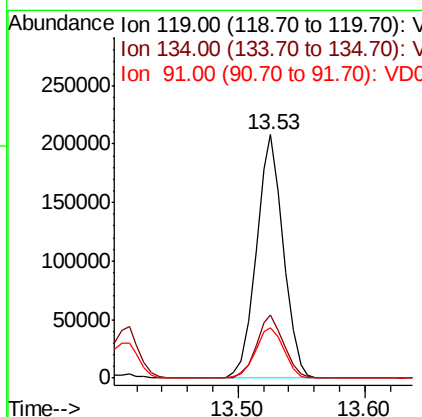
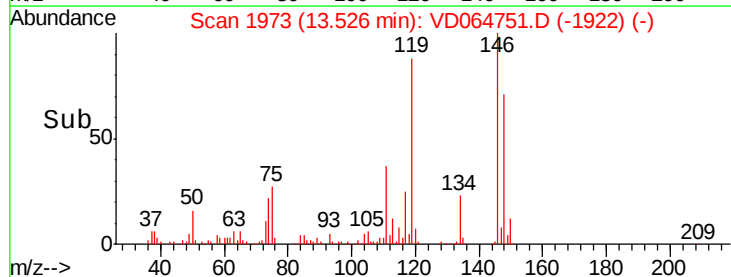
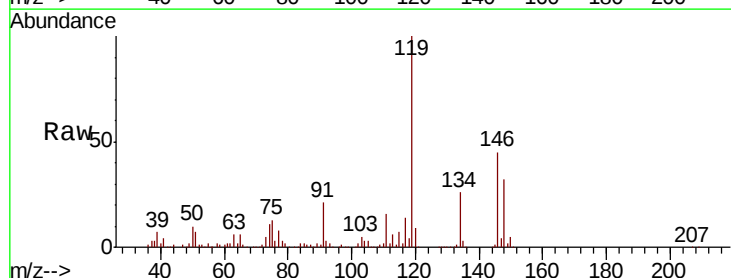
Instrument :
 MSVOA_D
 ClientSampleId :

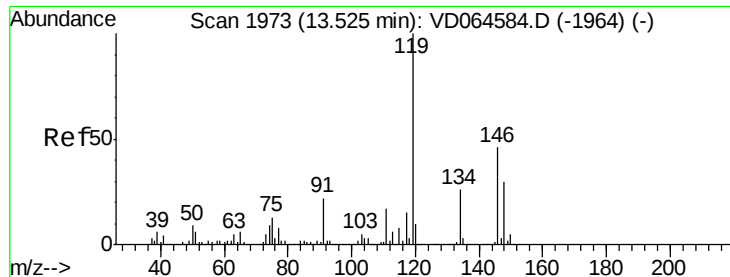
Tot Ion:105 Resp: 317585
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 19.039 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion:119 Resp: 306312
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 22.1 11.2 33.6

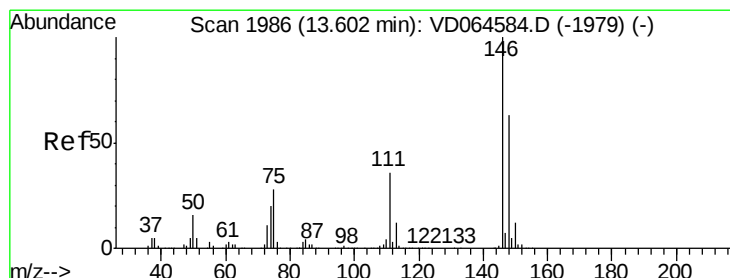
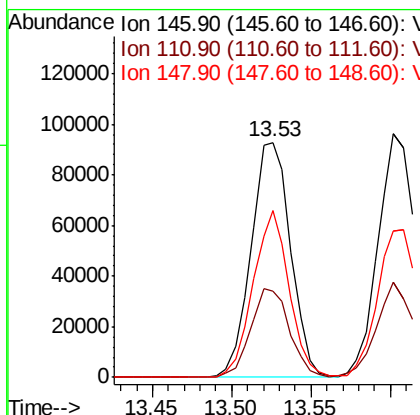
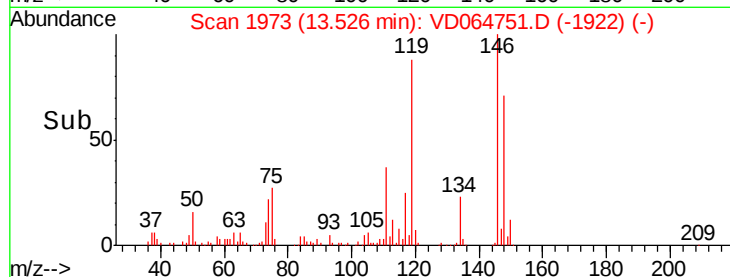
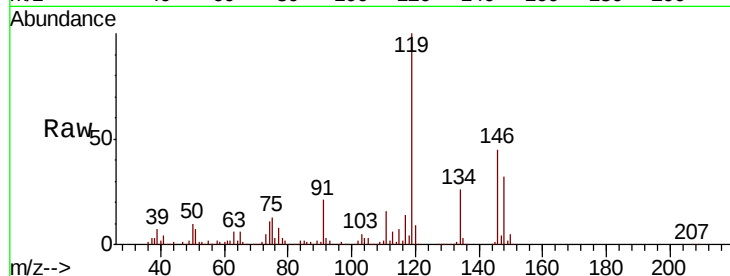




#87
 1,3-Dichlorobenzene
 Concen: 19.989 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

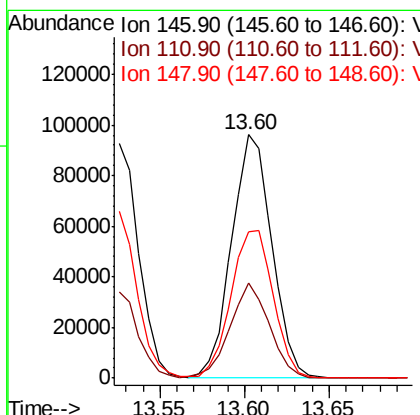
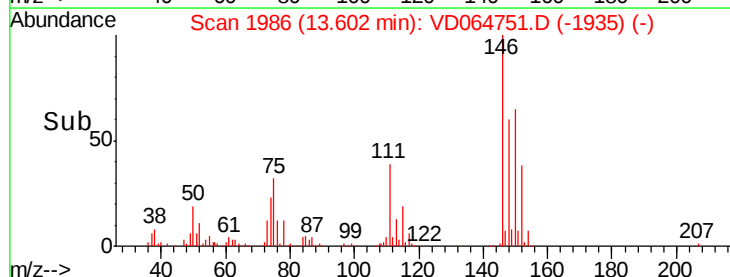
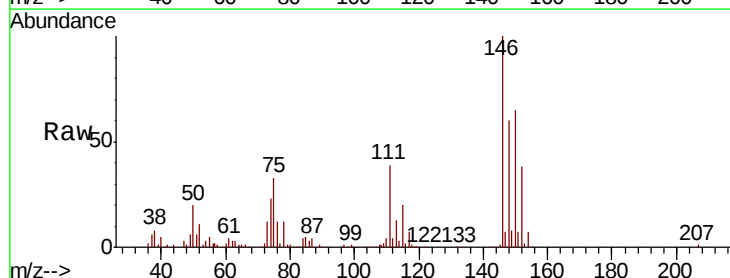
Instrument :
 MSVOA_D
 ClientSampleId :

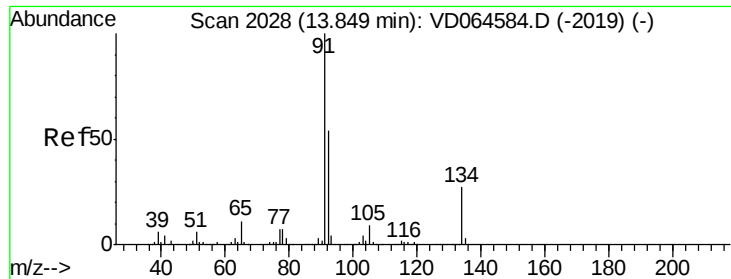
Tot Ion:146 Resp: 161117
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 64.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.134 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion:146 Resp: 159426
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.1 54.1
 148 63.9 32.3 96.9

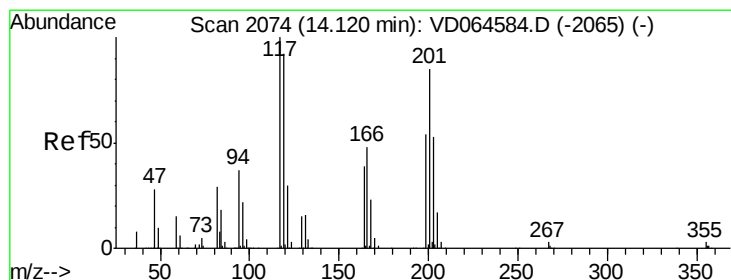
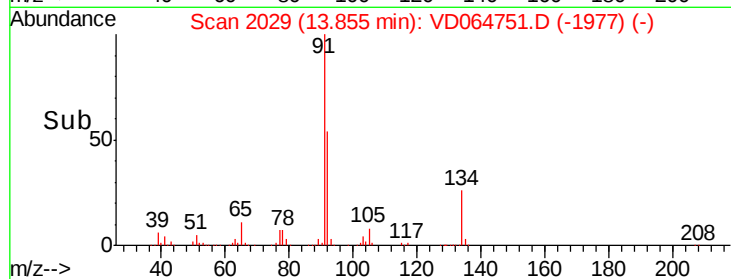
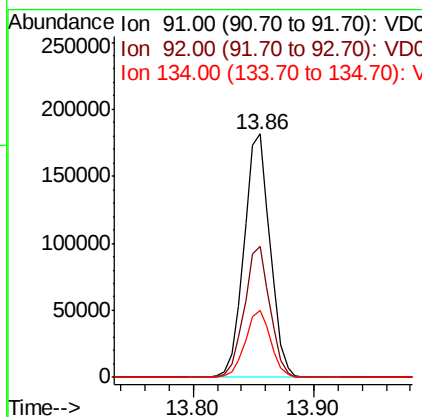
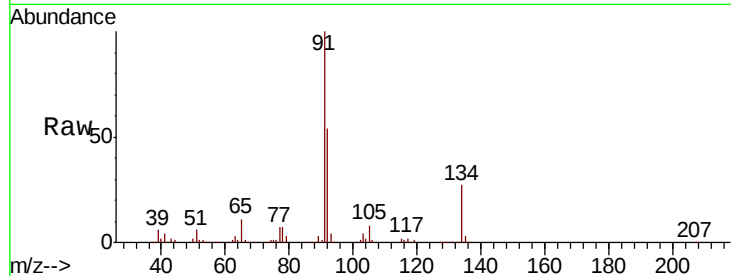




#89
n-Butylbenzene
Concen: 18.846 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

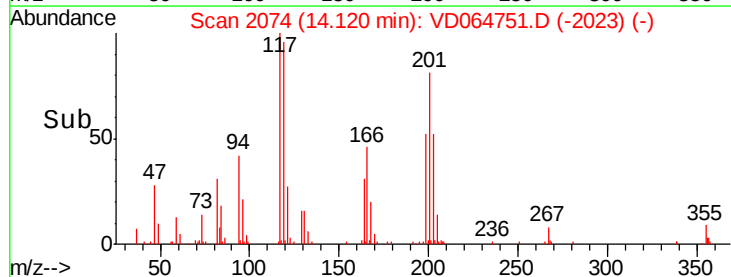
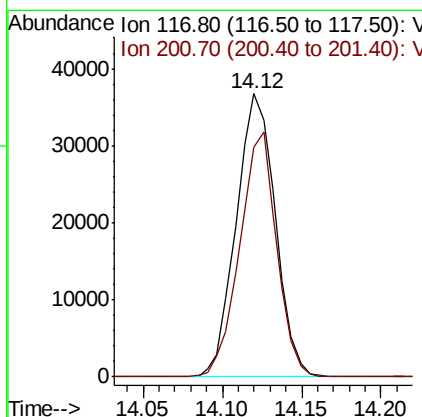
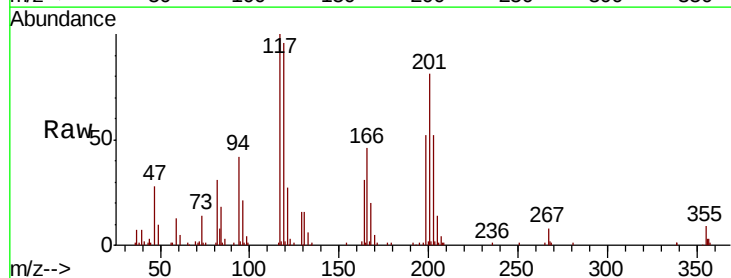
Instrument :
MSVOA_D
ClientSampled :

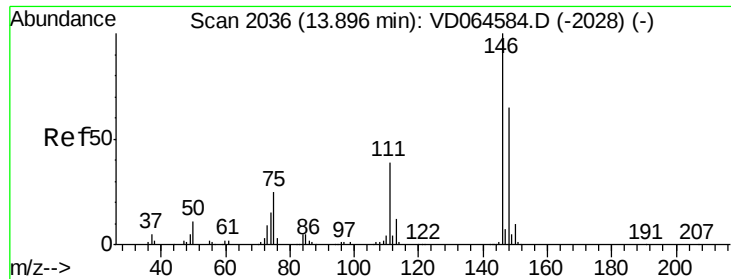
Tot Ion: 91 Resp: 273039
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 20.466 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 117 Resp: 62897
Ion Ratio Lower Upper
117 100
201 81.8 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 20.260 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

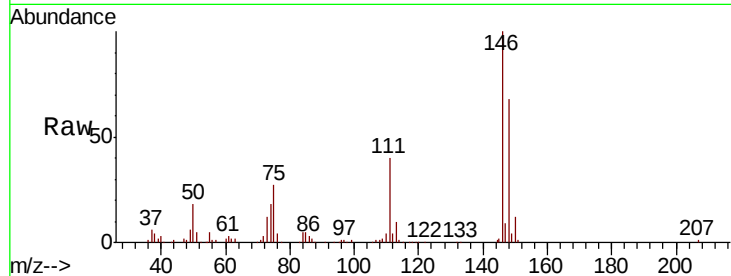
Tot Ion:146 Resp: 139250

Ion Ratio Lower Upper

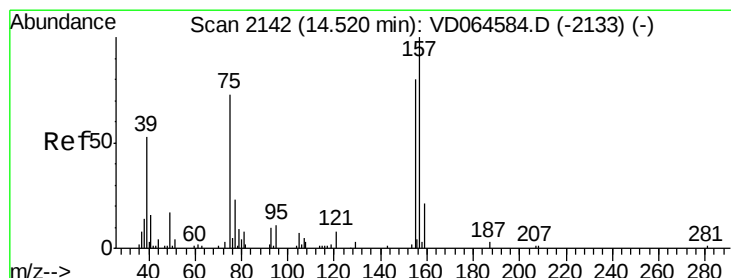
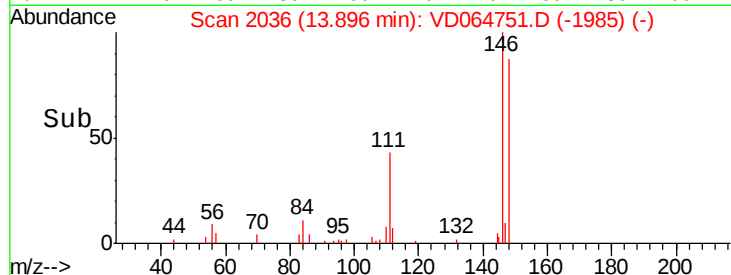
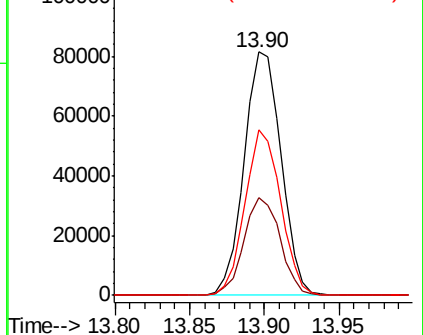
146 100

111 39.4 19.3 57.9

148 65.7 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: 21.031 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

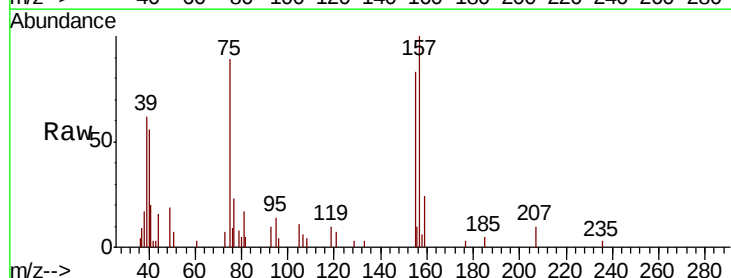
Tgt Ion: 75 Resp: 9216

Ion Ratio Lower Upper

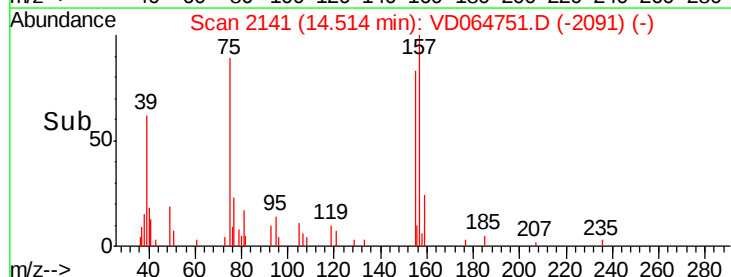
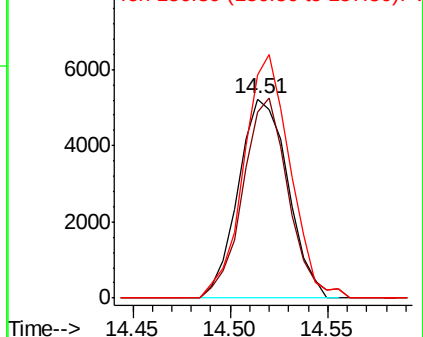
75 100

155 92.3 48.0 144.0

157 114.1 64.1 192.3



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

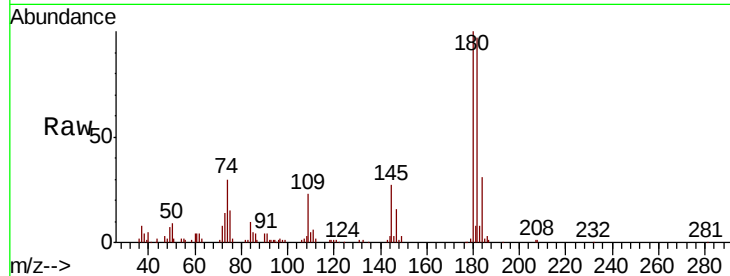




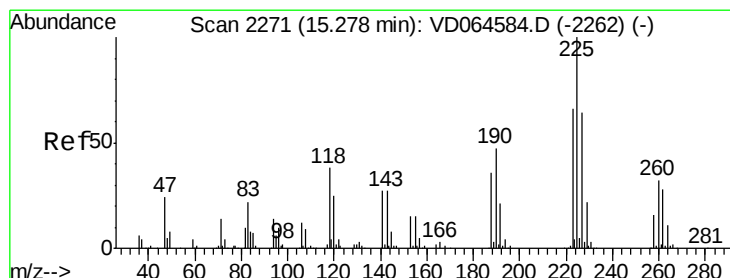
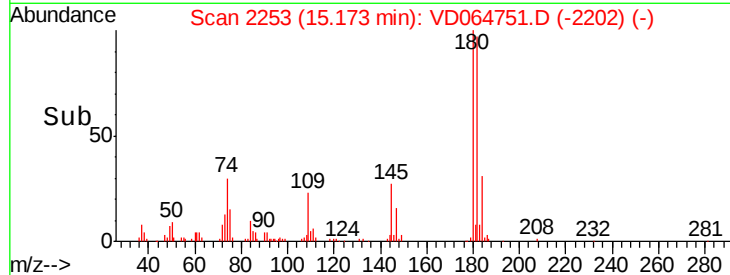
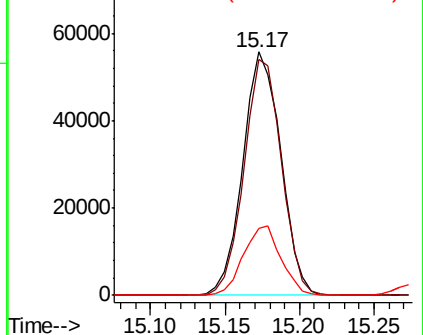
#93
 1,2,4-Trichlorobenzene
 Concen: 19.369 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	28.4	13.8	41.4

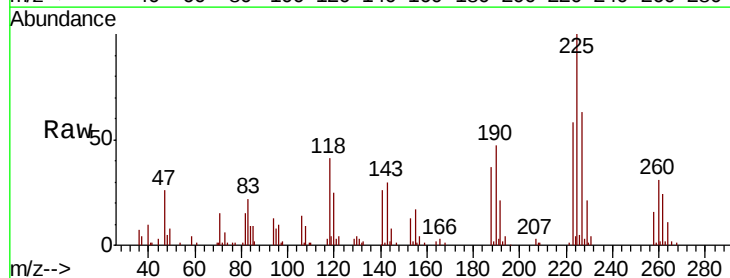


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

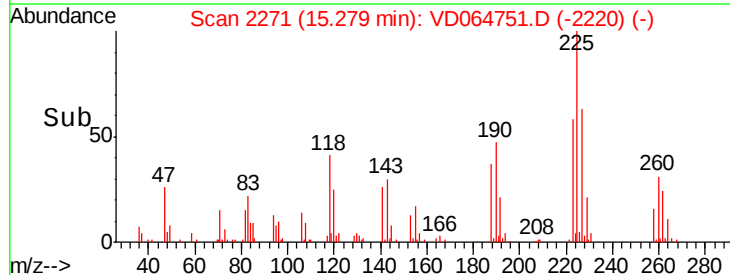
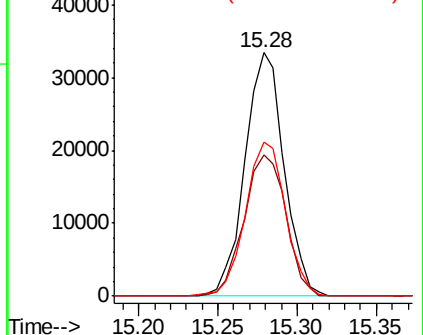


#94
 Hexachlorobutadiene
 Concen: 18.006 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.2
227	64.9	30.9	92.7



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

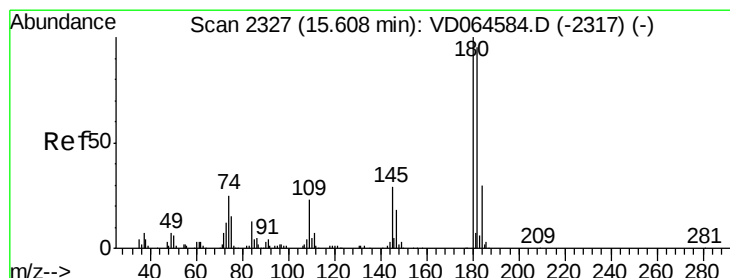
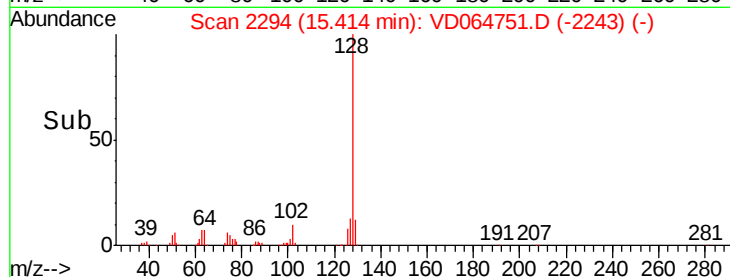
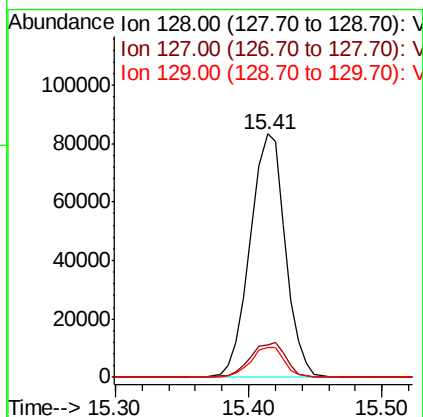
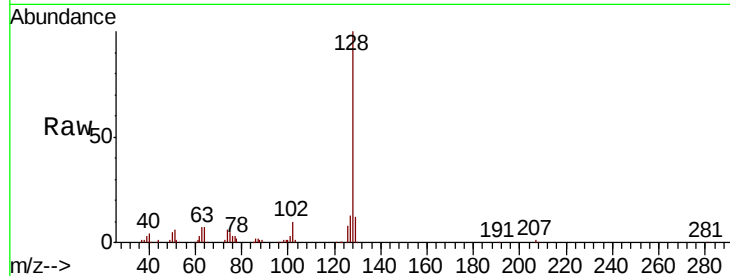




#95
Naphthalene
Concen: 18.900 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 151318
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 11.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.772 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion:180 Resp: 85423
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 31.0 14.9 44.7

