

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064582.D
 Acq On : 24 Dec 2019 10:51
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:09:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	630837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	554381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	37916	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
35) Dibromofluoromethane	7.92	113	39297	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	
50) Toluene-d8	10.34	98	147096	9.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.52%	
62) 4-Bromofluorobenzene	12.64	95	47091	9.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	36659	9.541	ug/l 97
3) Chloromethane	2.21	50	52431	10.674	ug/l 94
4) Vinyl Chloride	2.35	62	61836	10.899	ug/l 95
5) Bromomethane	2.77	94	43765	10.413	ug/l 100
6) Chloroethane	2.92	64	41424	10.833	ug/l 92
7) Trichlorofluoromethane	3.27	101	105589	11.127	ug/l 97
8) Diethyl Ether	3.70	74	20941	10.713	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	43244	10.653	ug/l 98
10) Methyl Iodide	4.30	142	37726	8.853	ug/l 96
11) Tert butyl alcohol	5.24	59	1862	7.609	ug/l # 1
12) 1,1-Dichloroethene	4.06	96	41554	10.723	ug/l 99
13) Acrolein	3.93	56	16049	47.587	ug/l 95
14) Allyl chloride	4.71	41	63437	10.512	ug/l 99
15) Acrylonitrile	5.43	53	42737	50.132	ug/l 98
16) Acetone	4.17	43	40994	52.608	ug/l 98
17) Carbon Disulfide	4.40	76	134045	10.946	ug/l 99
18) Methyl Acetate	4.72	43	23758	10.419	ug/l 95
19) Methyl tert-butyl Ether	5.48	73	86944	9.839	ug/l 98
20) Methylene Chloride	4.97	84	51292	11.375	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	45526	10.412	ug/l 98
22) Diisopropyl ether	6.36	45	123146	10.309	ug/l 92
23) Vinyl Acetate	6.31	43	335050	47.781	ug/l 99
24) 1,1-Dichloroethane	6.27	63	74694	10.425	ug/l 97
25) 2-Butanone	7.23	43	55571	50.338	ug/l 97
26) 2,2-Dichloropropane	7.21	77	69952	11.089	ug/l 98
27) cis-1,2-Dichloroethene	7.22	96	47680	9.996	ug/l 96
28) Bromochloromethane	7.55	49	26592	10.560	ug/l 93
29) Tetrahydrofuran	7.57	42	33539	47.617	ug/l 97
30) Chloroform	7.71	83	79310	10.674	ug/l 99
31) Cyclohexane	7.98	56	78203	11.070	ug/l # 84
32) 1,1,1-Trichloroethane	7.90	97	74410	10.762	ug/l 99
36) 1,1-Dichloropropene	8.11	75	62548	10.407	ug/l 96
37) Ethyl Acetate	7.30	43	25127	9.960	ug/l # 93
38) Carbon Tetrachloride	8.10	117	67561	10.669	ug/l 94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	74821	10.100	ug/l #	92
40) Benzene	8.36	78	171602	10.368	ug/l	100
41) Methacrylonitrile	7.53	41	13637	9.555	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	49754	10.298	ug/l	100
43) Isopropyl Acetate	8.46	43	49084	9.927	ug/l	99
44) Trichloroethene	9.11	130	50831	10.194	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41514	10.517	ug/l	94
46) Dibromomethane	9.48	93	23070	10.320	ug/l	96
47) Bromodichloromethane	9.66	83	60489	10.514	ug/l	95
48) Methyl methacrylate	9.46	41	22996	10.023	ug/l	95
49) 1,4-Dioxane	9.47	88	5628	205.127	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	120328	49.141	ug/l	100
52) Toluene	10.40	92	110902	10.232	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	55622	10.166	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	66422	10.217	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	32277	10.569	ug/l	92
56) Ethyl methacrylate	10.67	69	38288	9.873	ug/l	96
57) 1,3-Dichloropropane	10.95	76	54190	10.406	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	72430	47.093	ug/l	97
59) 2-Hexanone	10.98	43	79451	46.761	ug/l	98
60) Dibromochloromethane	11.14	129	42449	10.229	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30559	10.032	ug/l	99
64) Tetrachloroethene	10.88	164	44122	10.441	ug/l	95
65) Chlorobenzene	11.67	112	119569	10.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	43847	10.222	ug/l	99
67) Ethyl Benzene	11.75	91	210527	10.173	ug/l	99
68) m/p-Xylenes	11.85	106	161970	20.469	ug/l	99
69) o-Xylene	12.18	106	72531	9.974	ug/l	99
70) Styrene	12.20	104	127319	10.054	ug/l	99
71) Bromoform	12.37	173	24993	9.761	ug/l #	100
73) Isopropylbenzene	12.48	105	197574	10.149	ug/l	100
74) N-amyl acetate	12.29	43	42385	9.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	32648	10.263	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	43403	19.954	ug/l #	100
77) Bromobenzene	12.77	156	50445	10.541	ug/l	98
78) n-propylbenzene	12.83	91	235164	10.463	ug/l	100
79) 2-Chlorotoluene	12.91	91	129317	10.476	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	163404	10.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10238	10.062	ug/l	100
82) 4-Chlorotoluene	13.01	91	135714	10.366	ug/l	100
83) tert-Butylbenzene	13.23	119	139140	10.055	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	161062	10.071	ug/l	98
85) sec-Butylbenzene	13.41	105	195619	10.315	ug/l	99
86) p-Isopropyltoluene	13.53	119	184056	10.236	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	92368	10.147	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	91006	10.121	ug/l	96
89) n-Butylbenzene	13.85	91	169712	10.429	ug/l	98
90) Hexachloroethane	14.13	117	35178	10.450	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	79966	10.306	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5465	10.194	ug/l	89

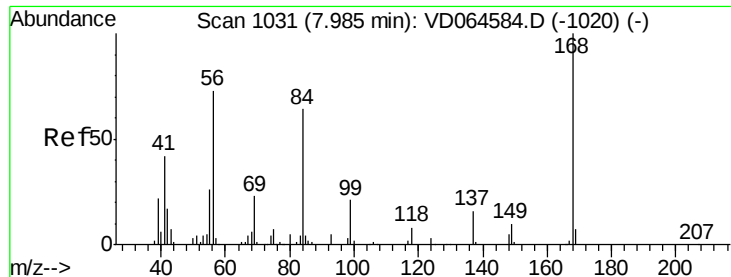
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QLast Update : Tue Dec 24 12:06:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	59247	9.994	ug/l	96
94) Hexachlorobutadiene	15.28	225	38248	10.478	ug/l	98
95) Naphthalene	15.41	128	91227	9.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	51834	10.271	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

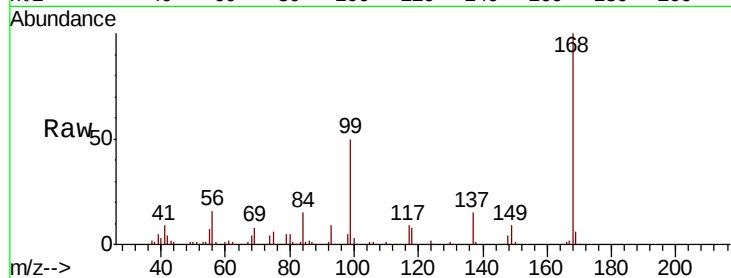
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 430345

Ion Ratio Lower Upper

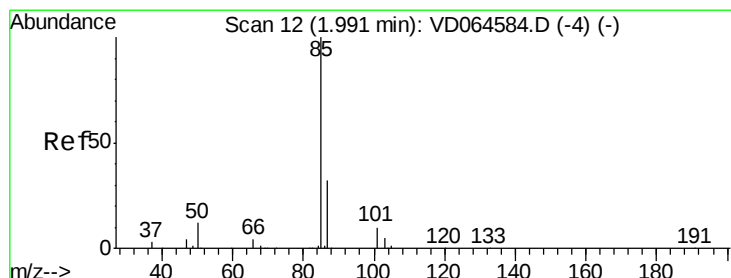
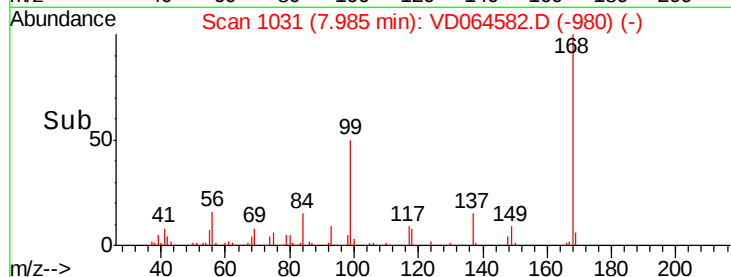
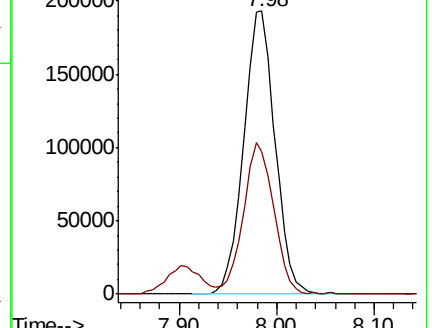
168 100

99 50.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#2

Dichlorodifluoromethane

Concen: 9.541 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064582.D

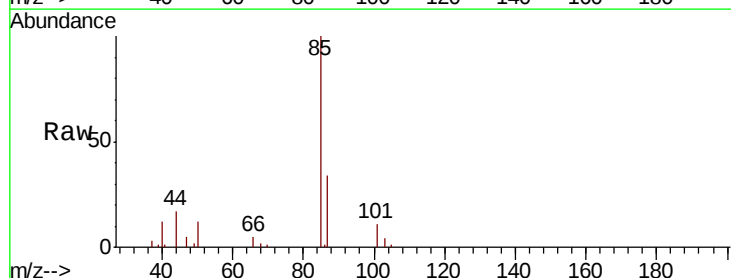
Acq: 24 Dec 2019 10:51

Tgt Ion: 85 Resp: 36659

Ion Ratio Lower Upper

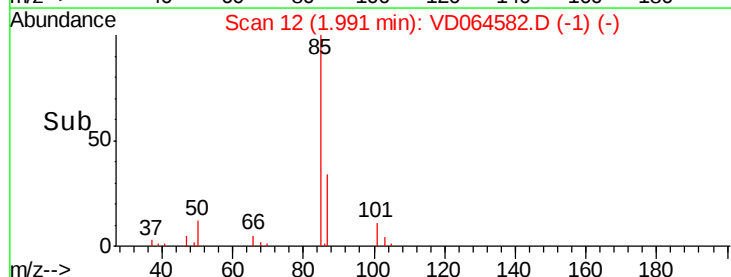
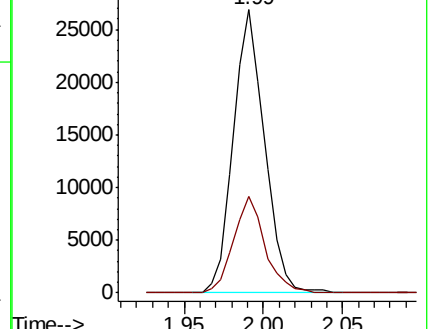
85 100

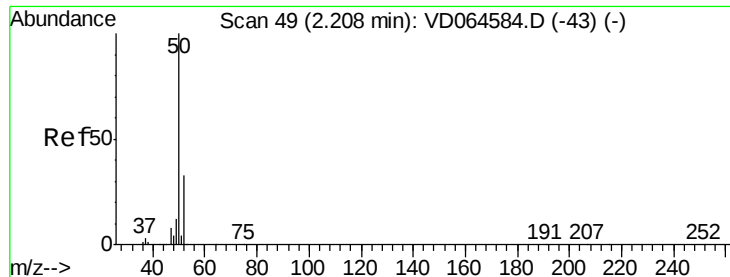
87 34.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 10.674 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

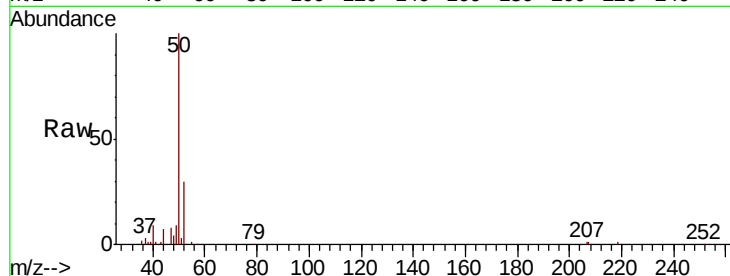
ClientSampleId :

Tot Ion: 50 Resp: 52431

Ion Ratio Lower Upper

50 100

52 29.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

40000

30000

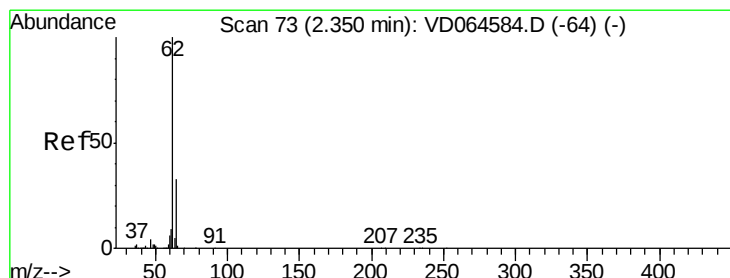
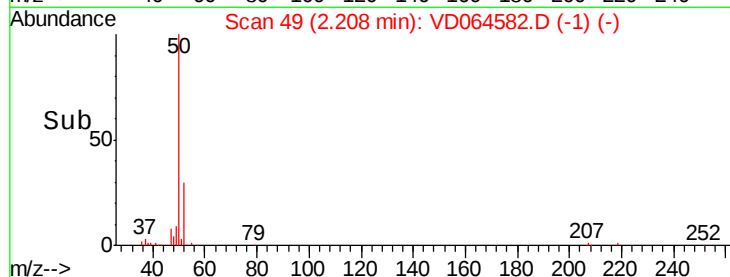
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 10.899 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064582.D

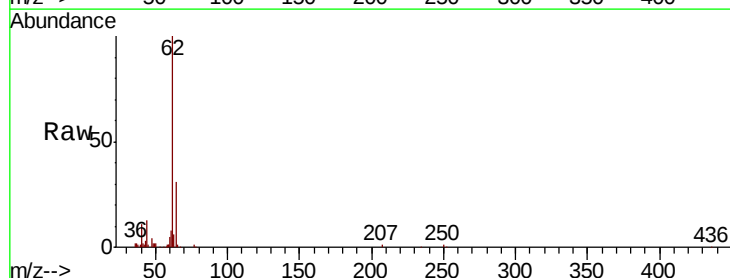
Acq: 24 Dec 2019 10:51

Tgt Ion: 62 Resp: 61836

Ion Ratio Lower Upper

62 100

64 30.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

40000

30000

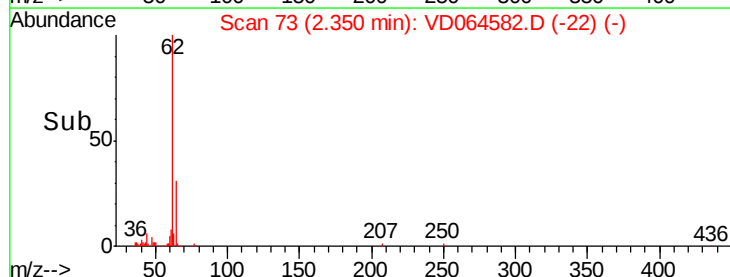
20000

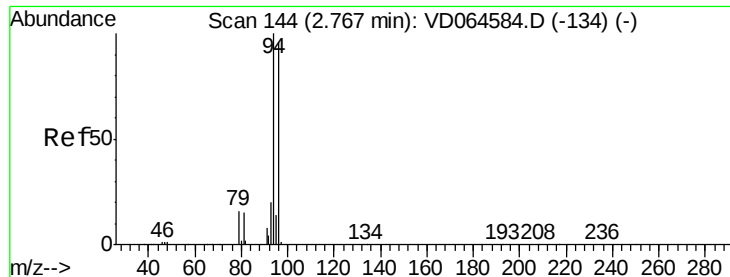
10000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 10.413 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

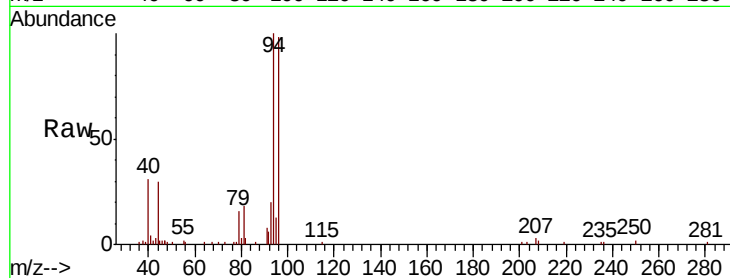
ClientSampleId :

Tot Ion: 94 Resp: 43765

Ion Ratio Lower Upper

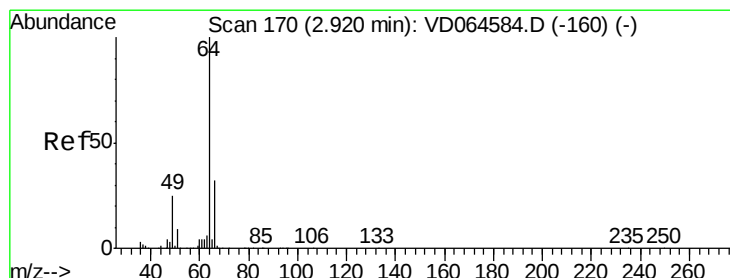
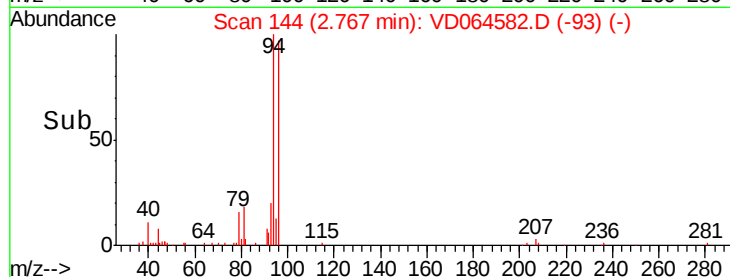
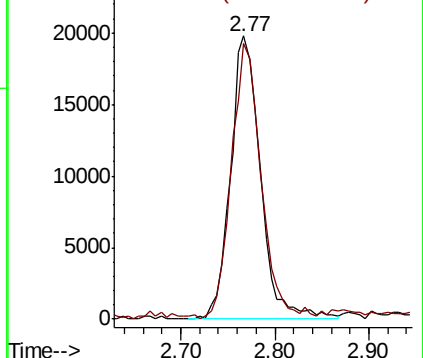
94 100

96 96.7 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: 10.833 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064582.D

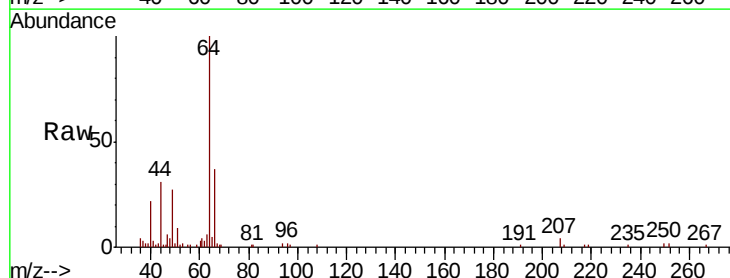
Acq: 24 Dec 2019 10:51

Tgt Ion: 64 Resp: 41424

Ion Ratio Lower Upper

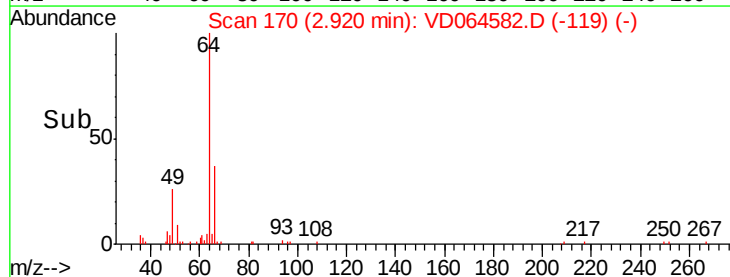
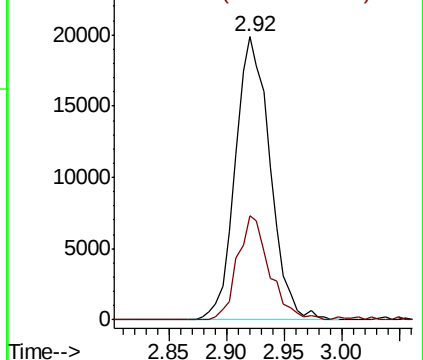
64 100

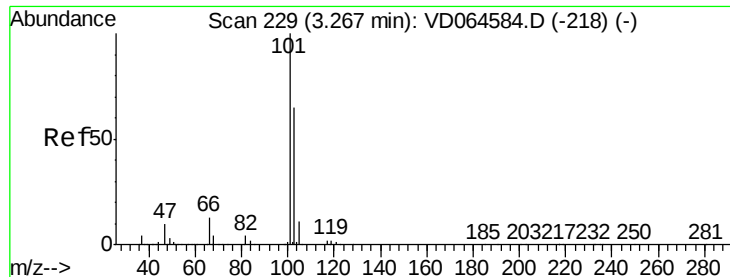
66 37.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



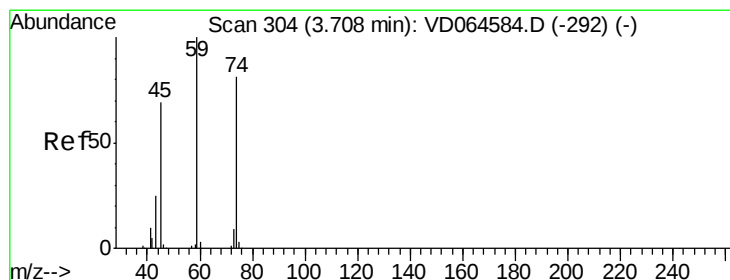
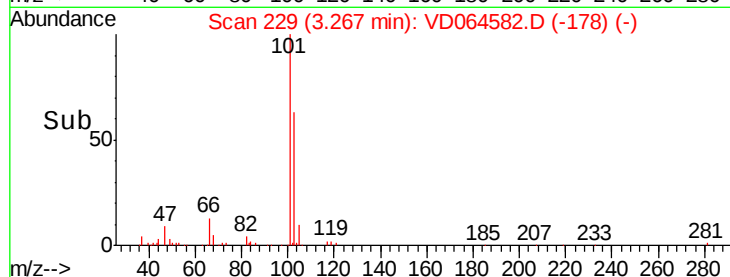
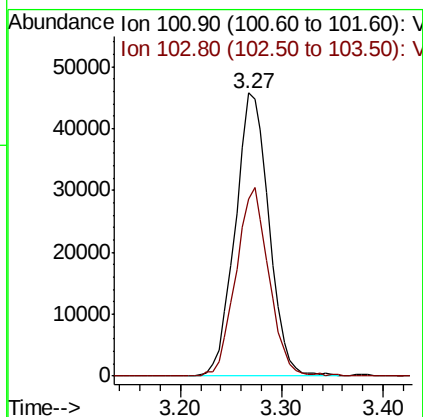
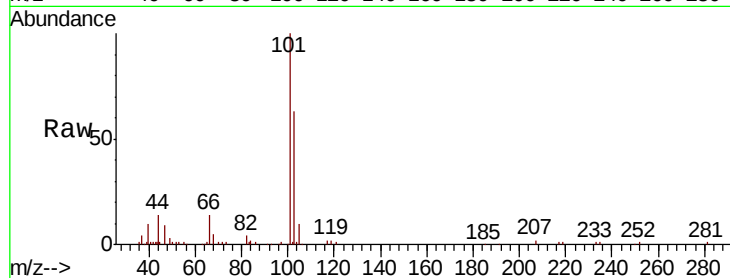


#7

Trichlorofluoromethane
Concen: 11.127 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

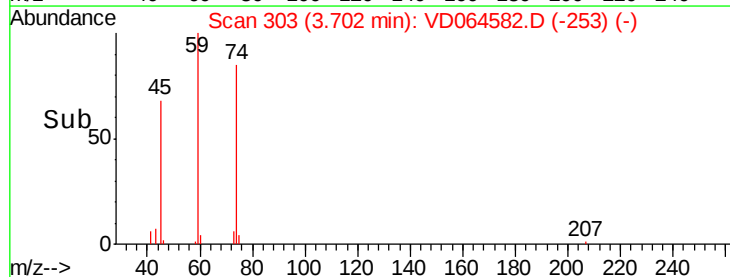
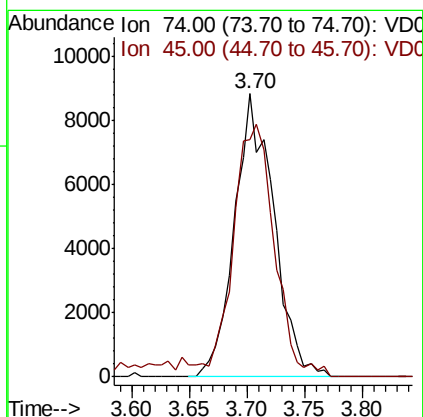
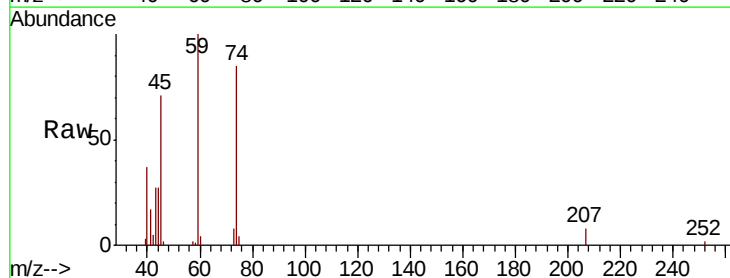
Tot Ion:101 Resp: 105589
Ion Ratio Lower Upper
101 100
103 62.6 52.2 78.4



#8

Diethyl Ether
Concen: 10.713 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 74 Resp: 20941
Ion Ratio Lower Upper
74 100
45 93.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.653 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampled :

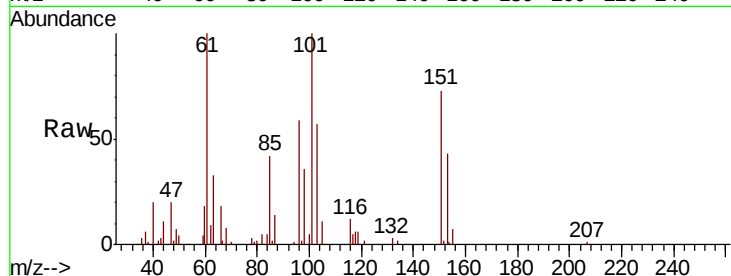
Tot Ion:101 Resp: 43244

Ion Ratio Lower Upper

101 100

85 46.6 35.2 52.8

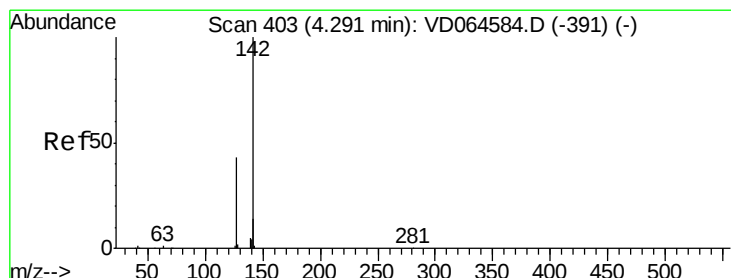
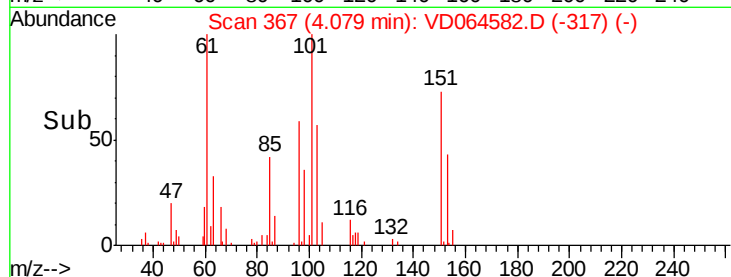
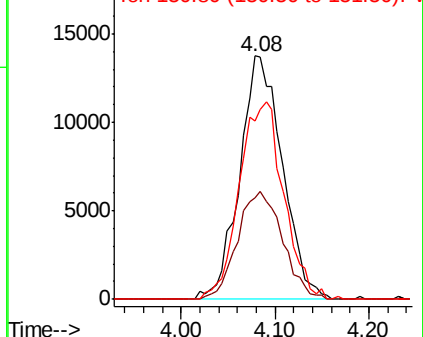
151 84.1 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.853 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

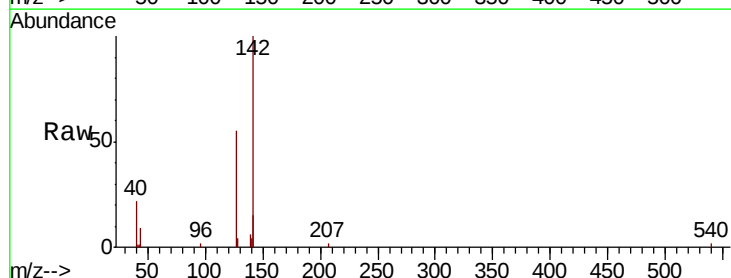
Tgt Ion:142 Resp: 37726

Ion Ratio Lower Upper

142 100

127 48.6 36.2 54.4

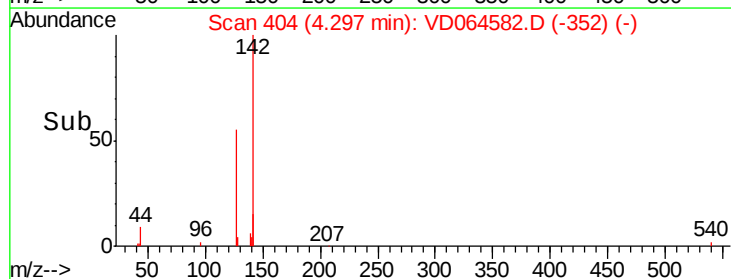
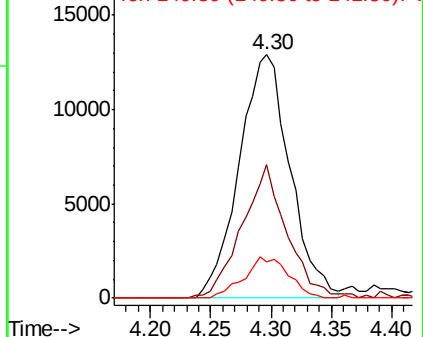
141 14.9 11.8 17.8



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

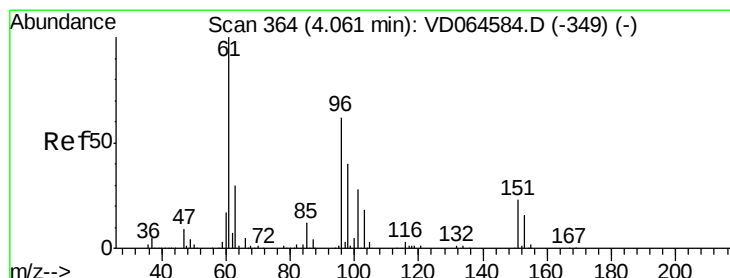
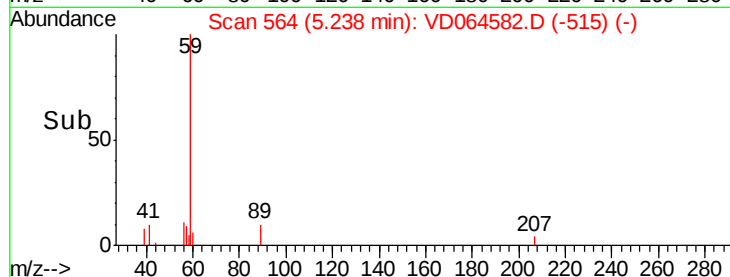
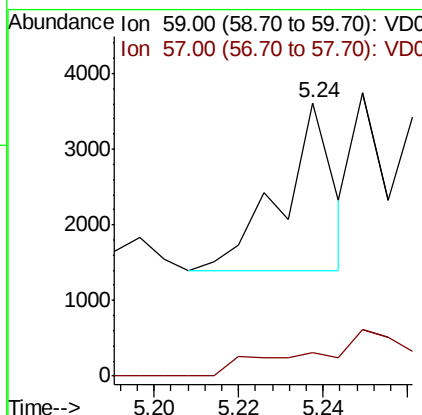
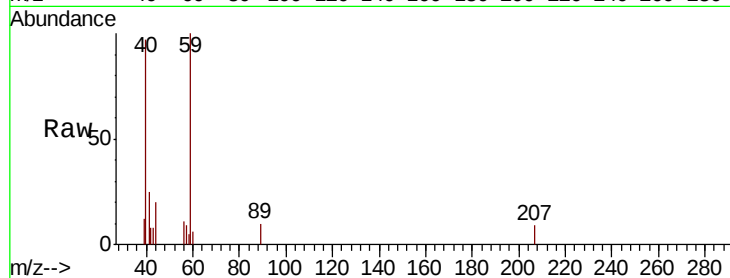




#11
Tert butyl alcohol
Concen: 7.609 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

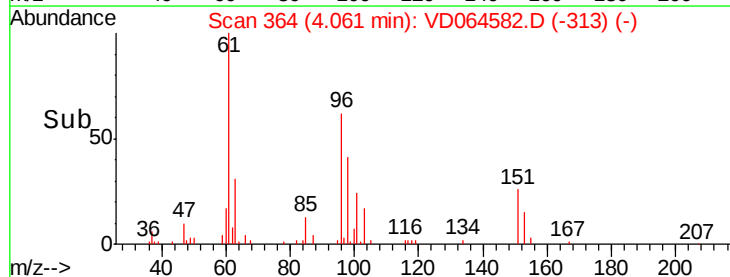
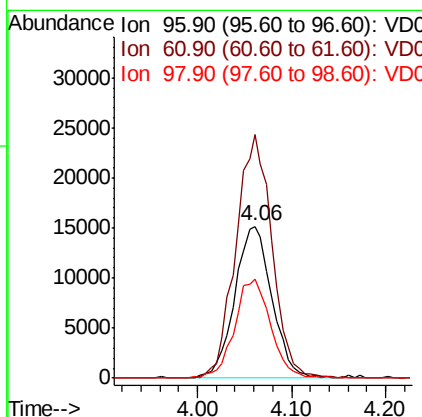
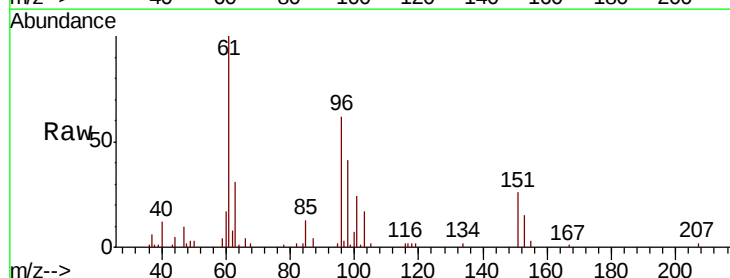
Instrument :
MSVOA_D
ClientSampled :

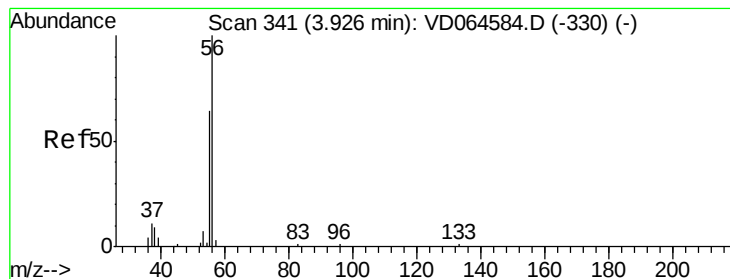
Tot Ion: 59 Resp: 1862
Ion Ratio Lower Upper
59 100
57 65.2 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 10.723 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 96 Resp: 41554
Ion Ratio Lower Upper
96 100
61 160.1 129.4 194.0
98 65.0 51.4 77.0





#13

Acrolein

Concen: 47.587 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

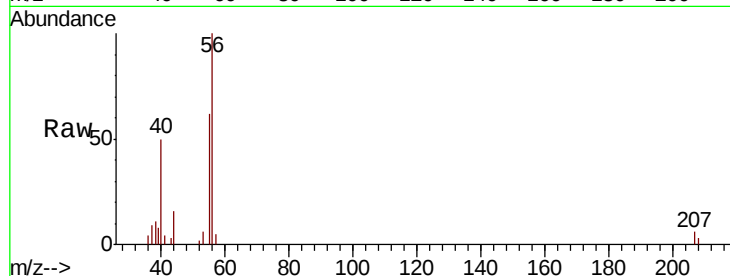
ClientSampleId :

Tot Ion: 56 Resp: 16049

Ion Ratio Lower Upper

56 100

55 74.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

8000

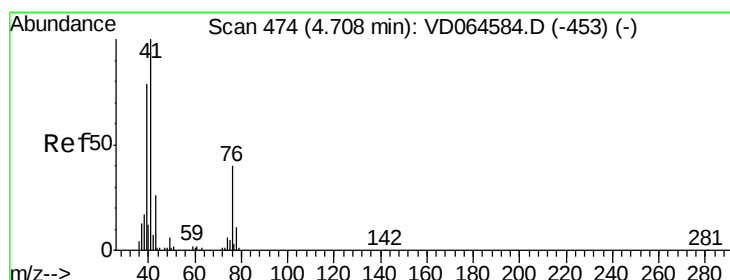
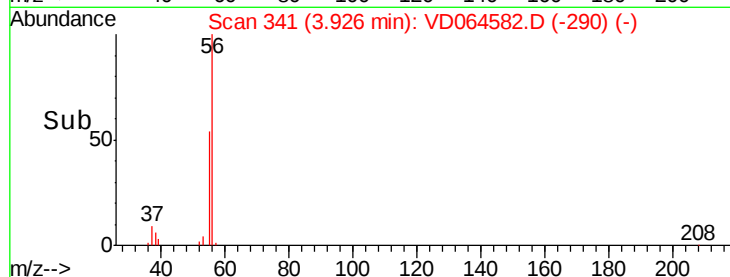
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 10.512 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

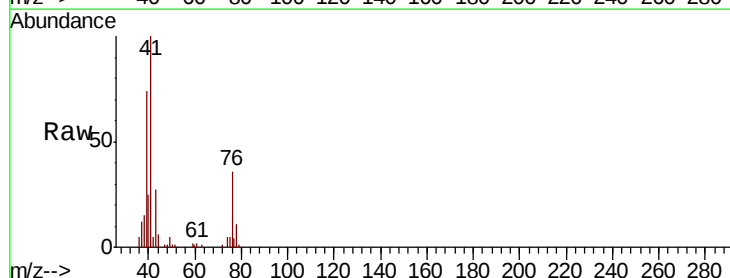
Tgt Ion: 41 Resp: 63437

Ion Ratio Lower Upper

41 100

39 77.4 62.3 93.5

76 36.3 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

25000

20000

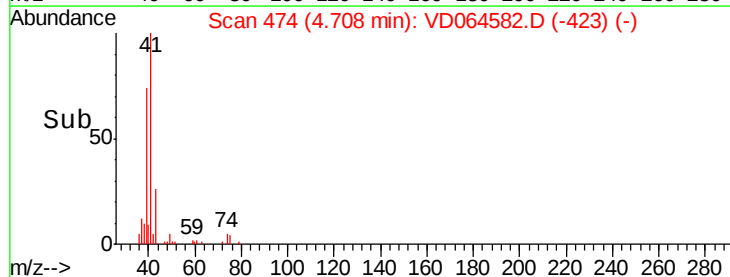
15000

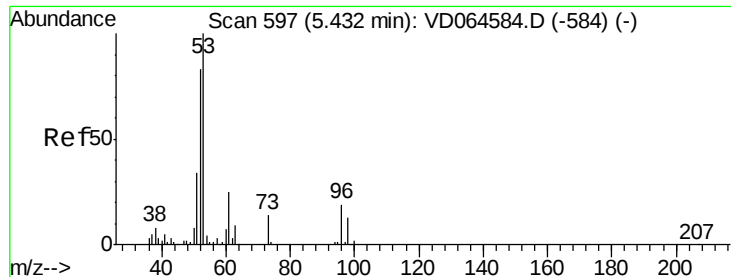
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 50.132 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

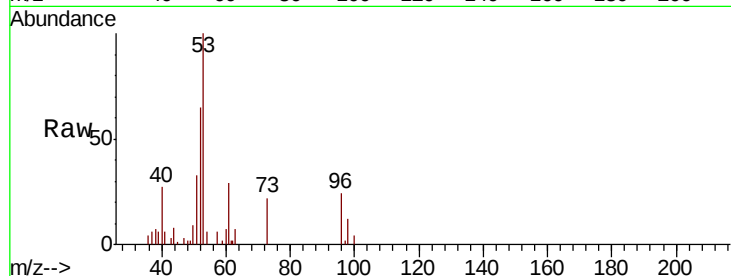
Tot Ion: 53 Resp: 42737

Ion Ratio Lower Upper

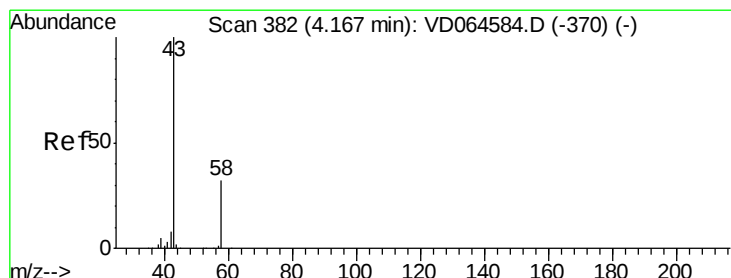
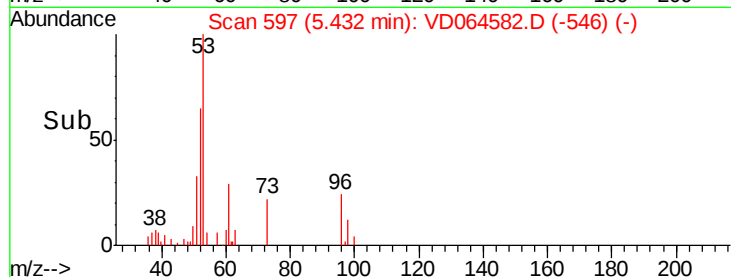
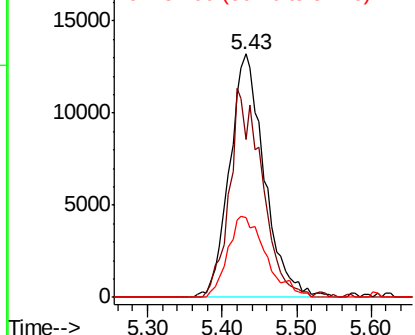
53 100

52 80.5 66.2 99.2

51 36.5 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: 52.608 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064582.D

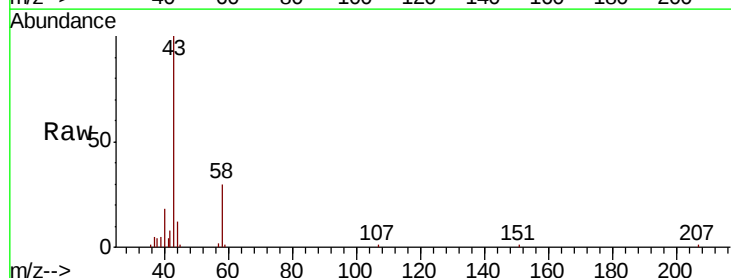
Acq: 24 Dec 2019 10:51

Tgt Ion: 43 Resp: 40994

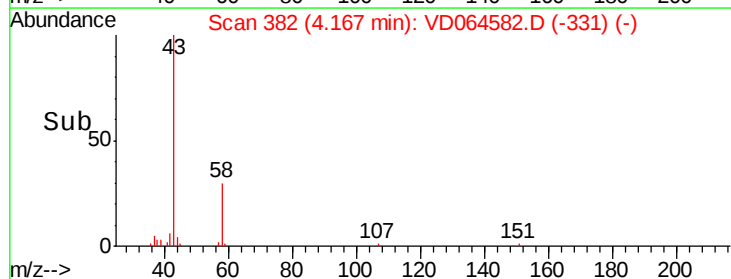
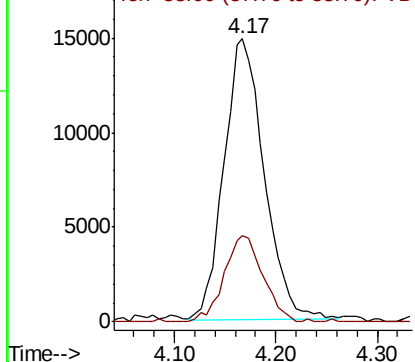
Ion Ratio Lower Upper

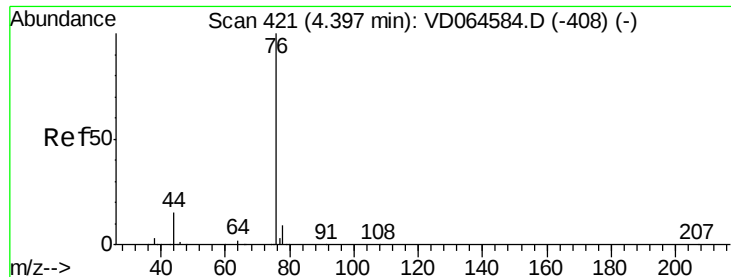
43 100

58 30.8 25.8 38.6



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

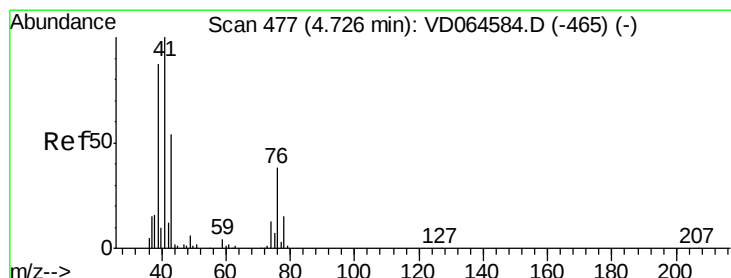
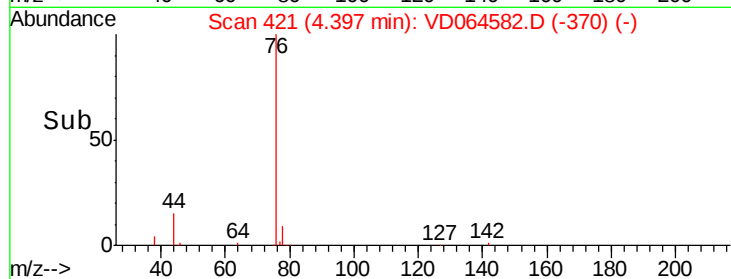
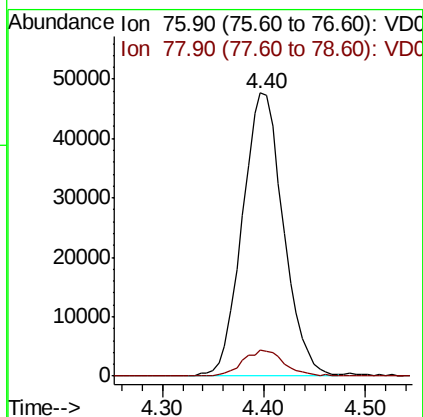
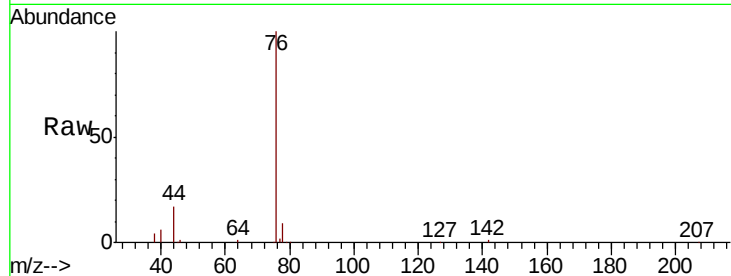




#17
Carbon Disulfide
Concen: 10.946 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

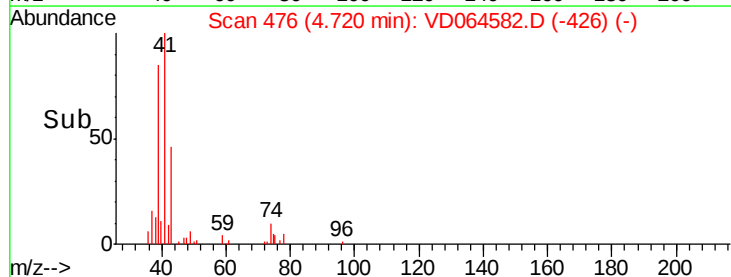
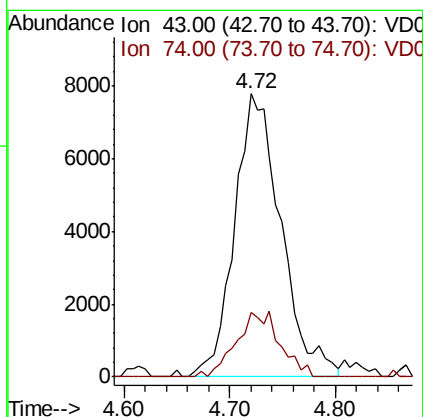
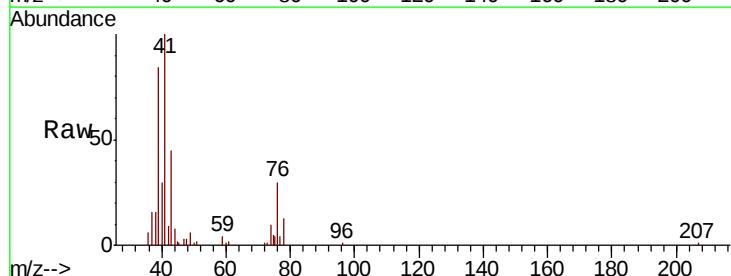
Instrument :
MSVOA_D
ClientSampled :

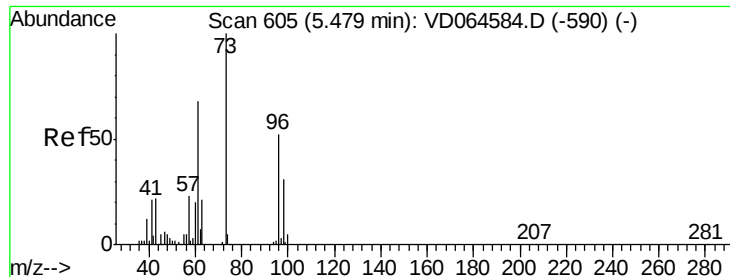
Tot Ion: 76 Resp: 134045
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 10.419 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 43 Resp: 23758
Ion Ratio Lower Upper
43 100
74 21.6 19.2 28.8

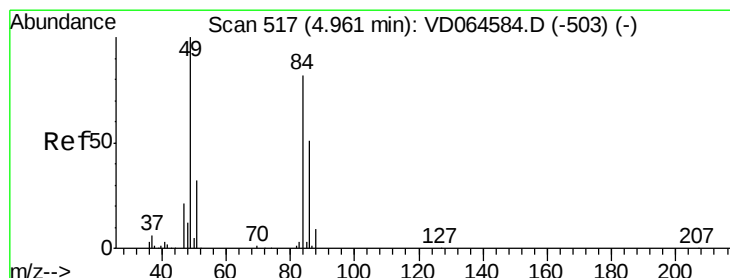
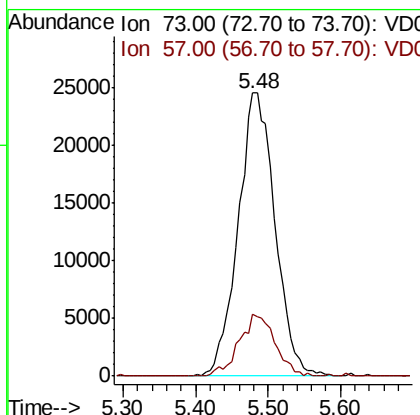
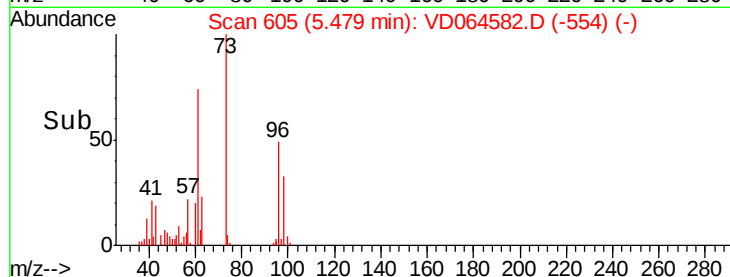
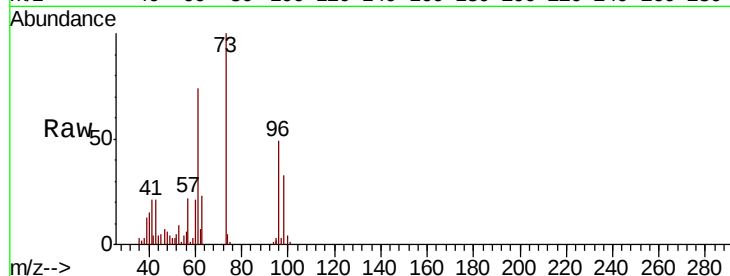




#19
Methyl tert-butyl Ether
Concen: 9.839 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

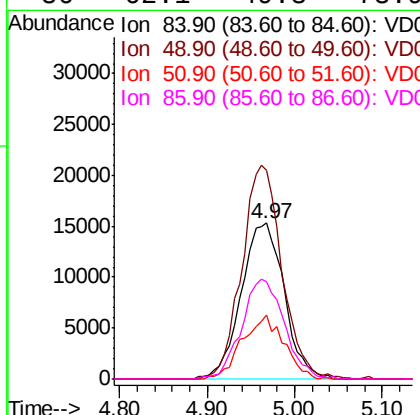
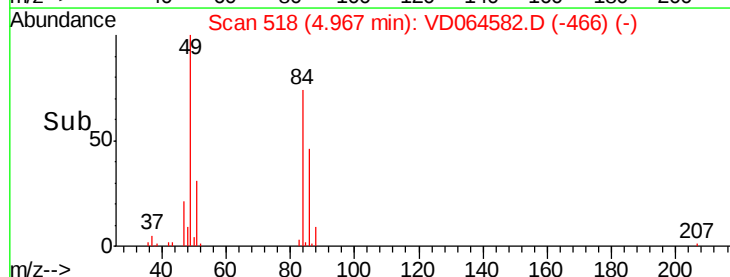
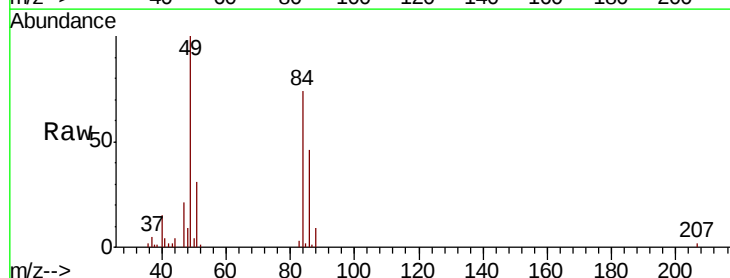
Instrument :
MSVOA_D
ClientSampled :

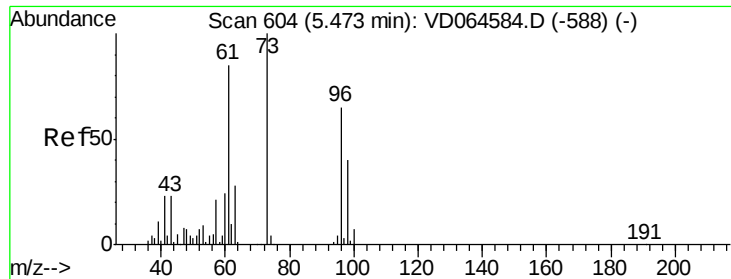
Tot Ion: 73 Resp: 86944
Ion Ratio Lower Upper
73 100
57 22.0 18.6 27.8



#20
Methylene Chloride
Concen: 11.375 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 84 Resp: 51292
Ion Ratio Lower Upper
84 100
49 134.2 97.2 145.8
51 41.3 31.4 47.0
86 62.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 10.412 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampled :

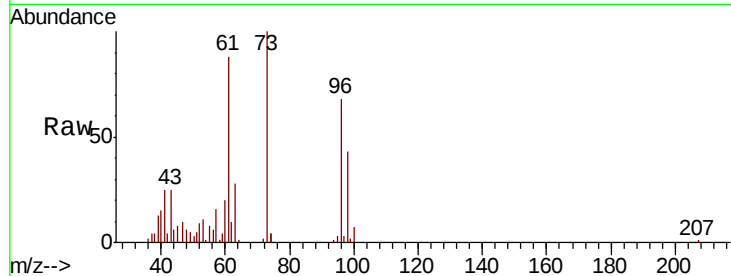
Tot Ion: 96 Resp: 45526

Ion Ratio Lower Upper

96 100

61 128.9 104.7 157.1

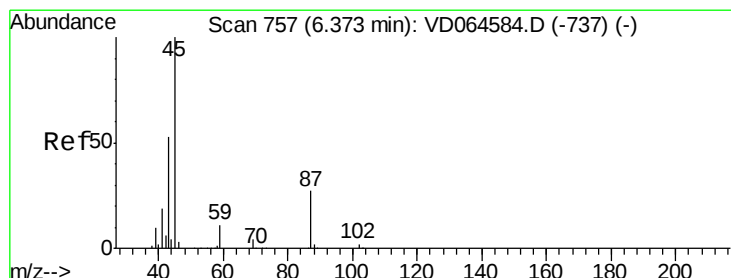
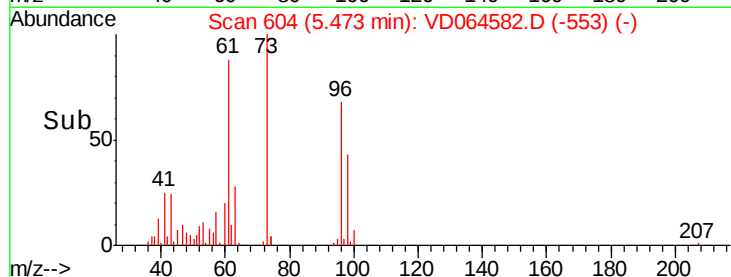
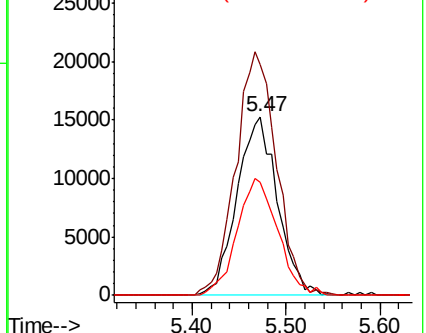
98 63.3 49.4 74.2



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: 10.309 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Tgt Ion: 45 Resp: 123146

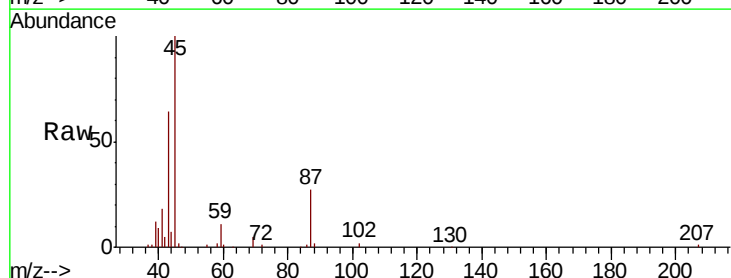
Ion Ratio Lower Upper

45 100

43 63.1 43.2 64.8

87 26.2 21.9 32.9

59 11.1 9.0 13.4

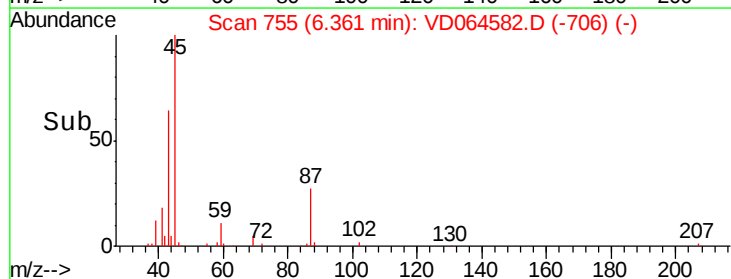
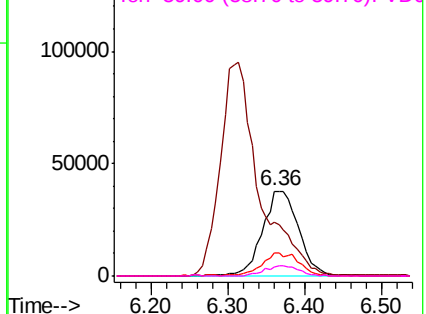


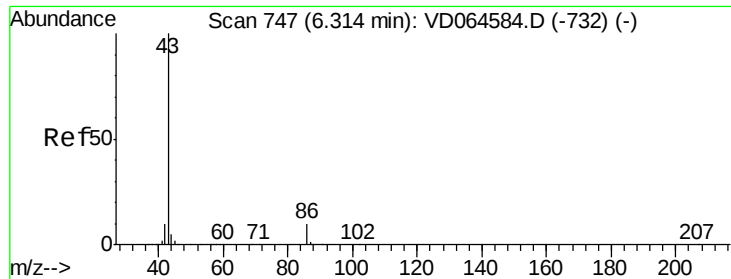
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 47.781 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

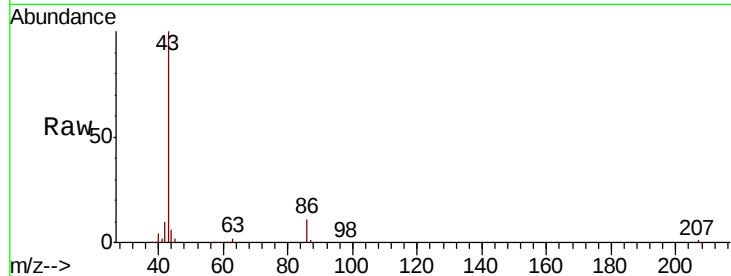
ClientSampleId :

Tot Ion: 43 Resp: 335050

Ion Ratio Lower Upper

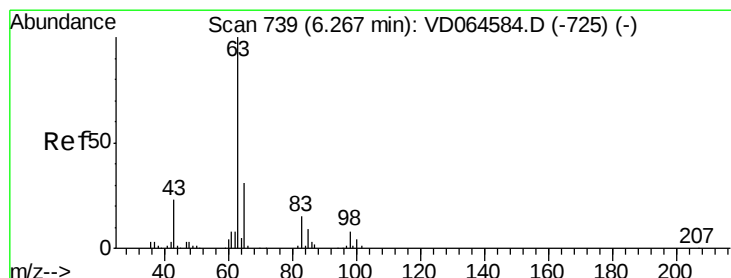
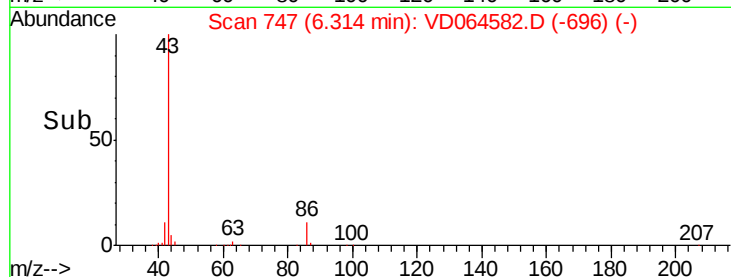
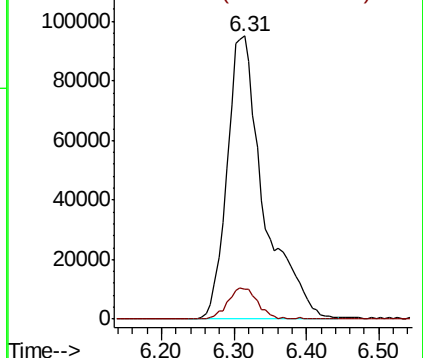
43 100

86 10.8 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: 10.425 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

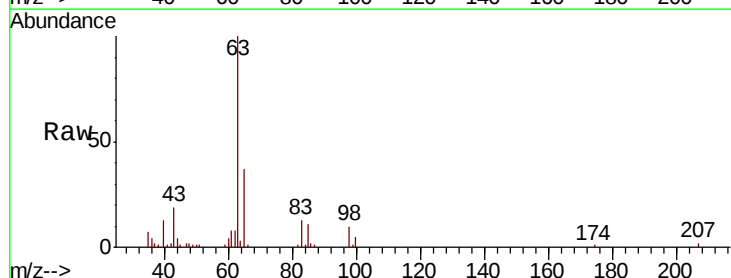
Tgt Ion: 63 Resp: 74694

Ion Ratio Lower Upper

63 100

98 9.5 4.1 12.3

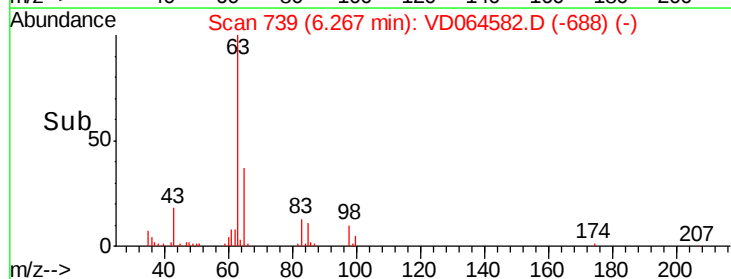
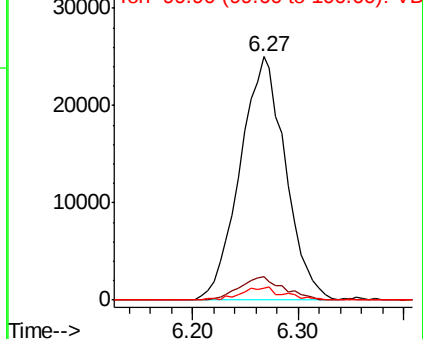
100 5.1 2.2 6.6

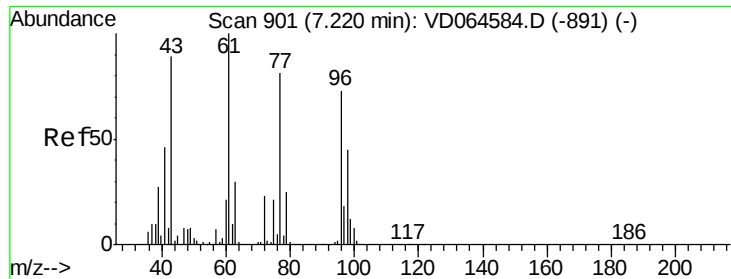


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 50.338 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

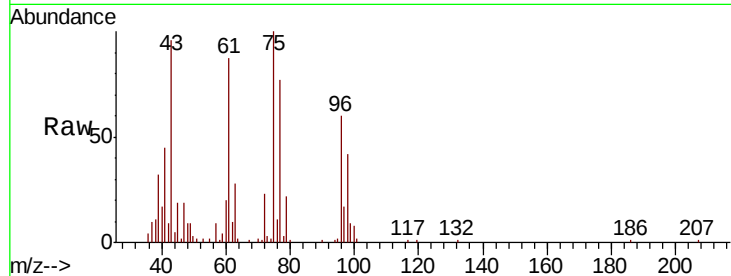
ClientSampled :

Tot Ion: 43 Resp: 55571

Ion Ratio Lower Upper

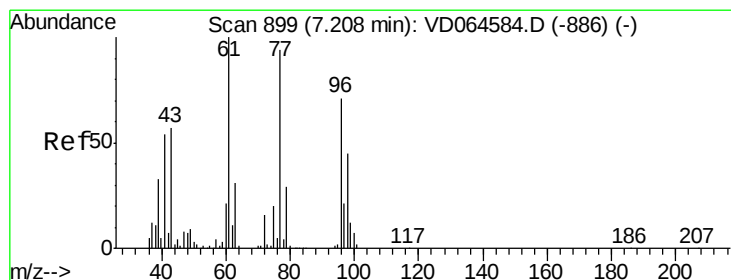
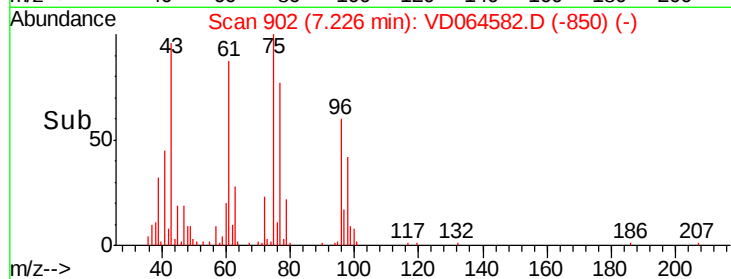
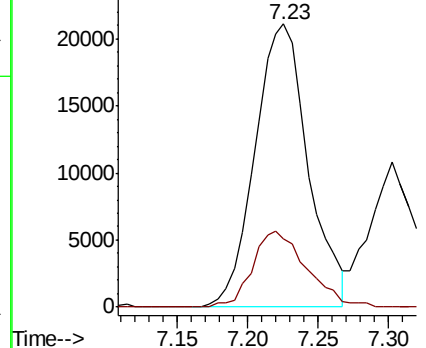
43 100

72 24.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.089 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064582.D

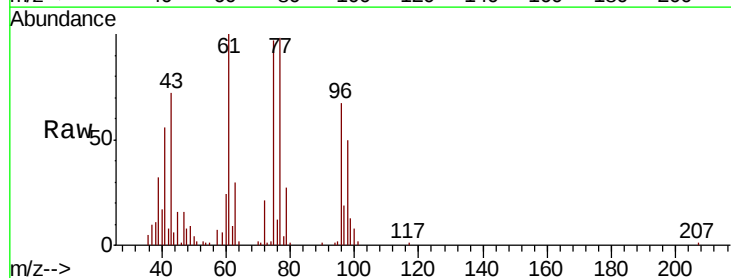
Acq: 24 Dec 2019 10:51

Tgt Ion: 77 Resp: 69952

Ion Ratio Lower Upper

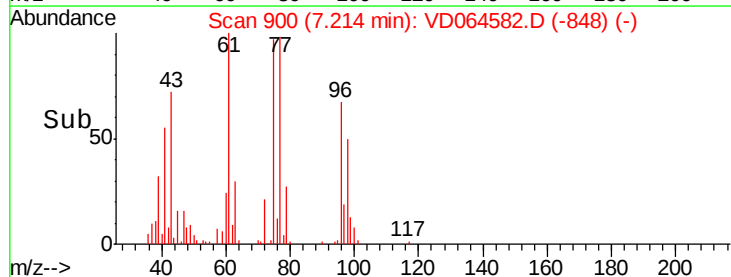
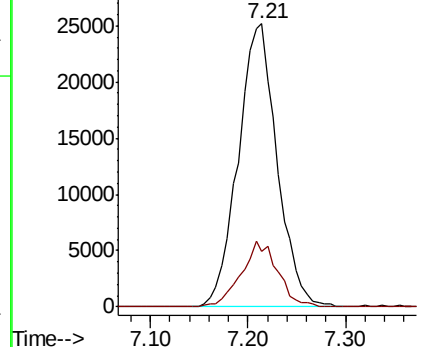
77 100

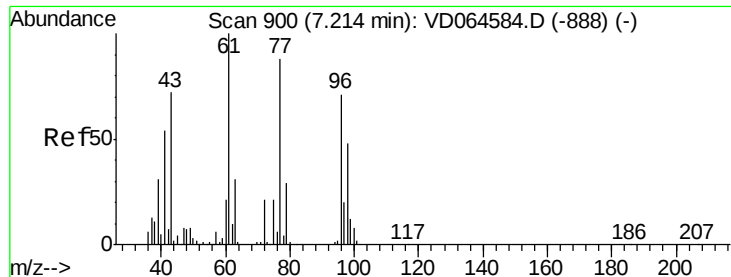
97 21.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



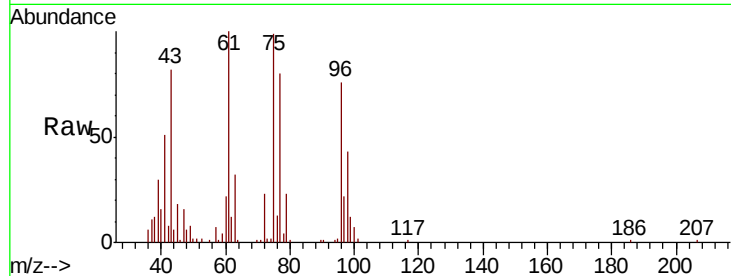


#27

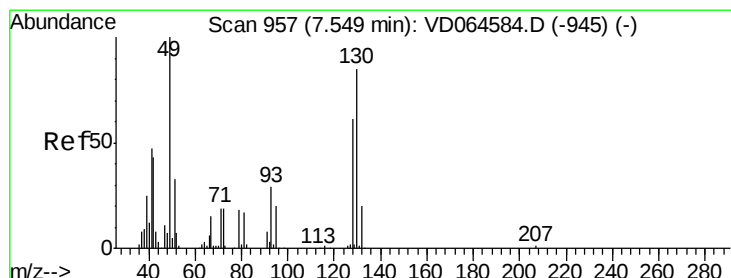
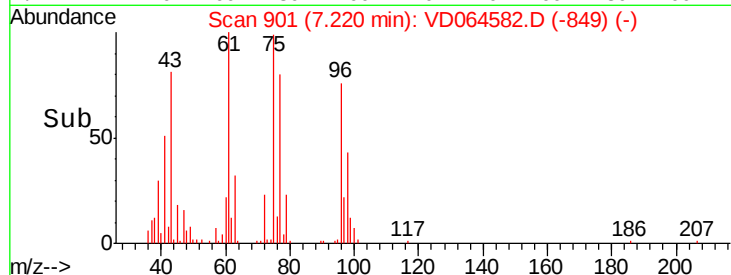
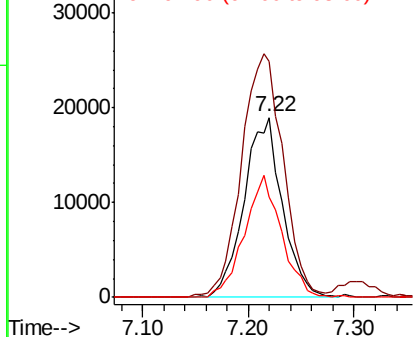
cis-1,2-Dichloroethene
Concen: 9.996 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 47680
Ion Ratio Lower Upper
96 100
61 147.7 0.0 282.6
98 65.7 0.0 130.8



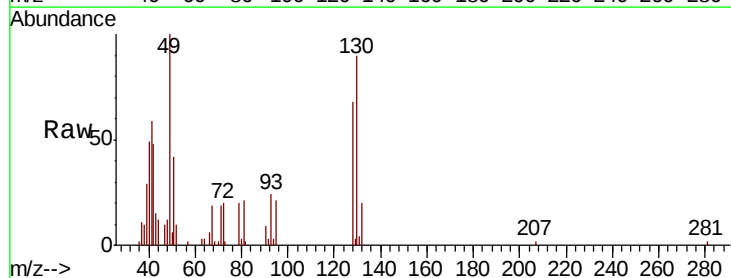
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



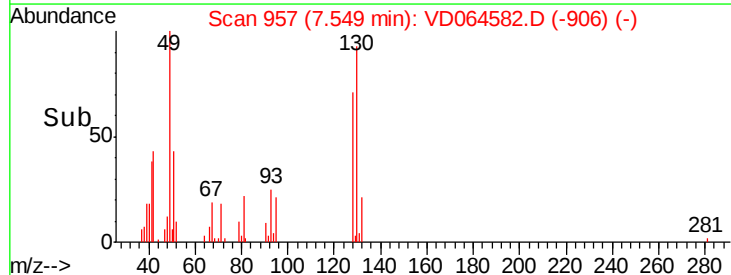
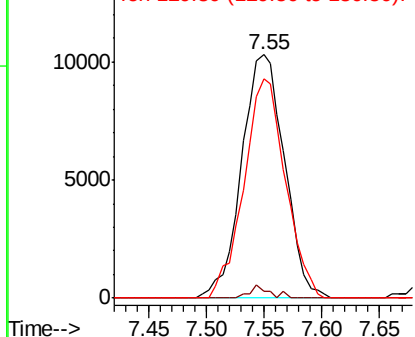
#28

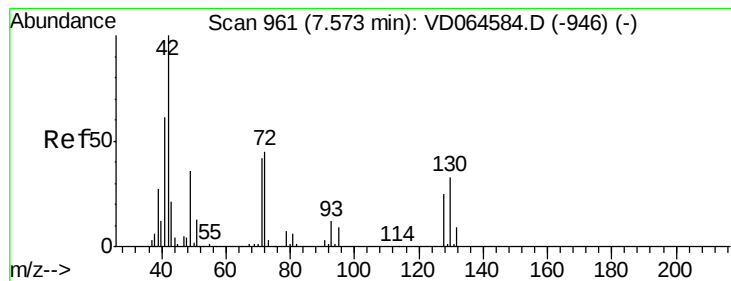
Bromochloromethane
Concen: 10.560 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 49 Resp: 26592
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.8
130 87.4 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 47.617 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

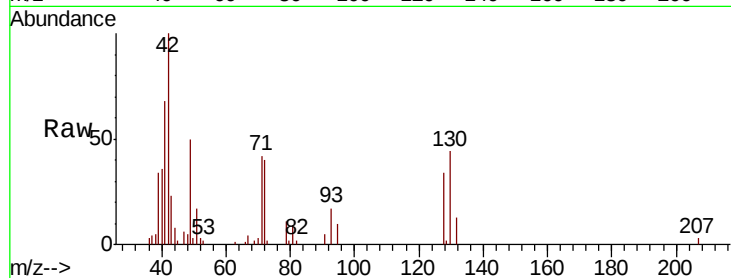
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 42 Resp: 33539

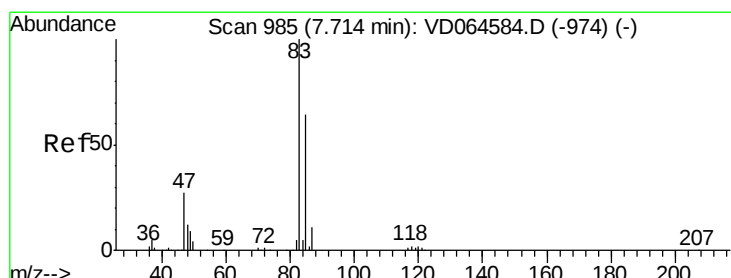
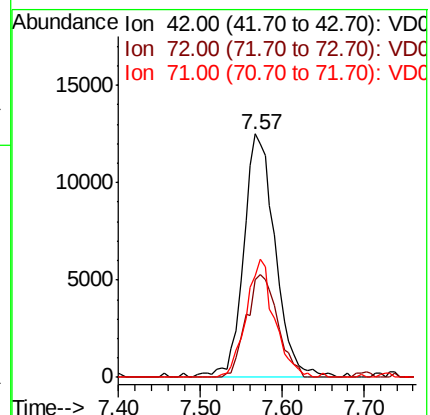
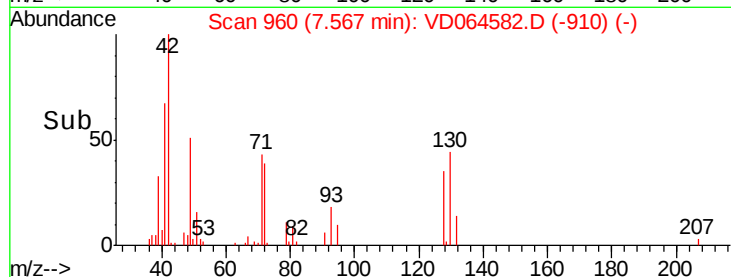
Ion	Ratio	Lower	Upper
42	100		
72	41.9	35.0	52.4
71	43.6	32.9	49.3



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: 10.674 ug/l

RT: 7.71 min Scan# 985

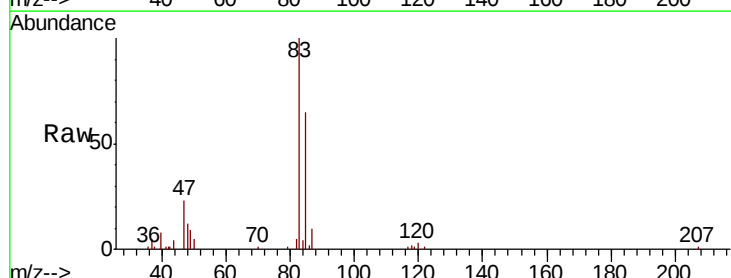
Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

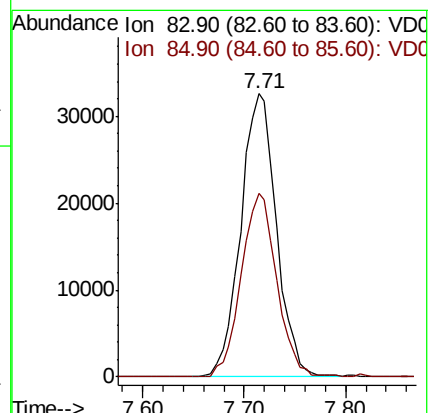
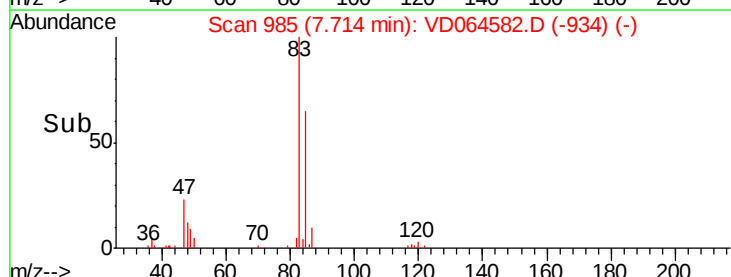
Tgt Ion: 83 Resp: 79310

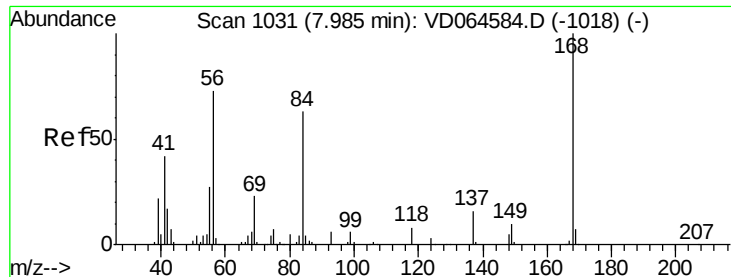
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

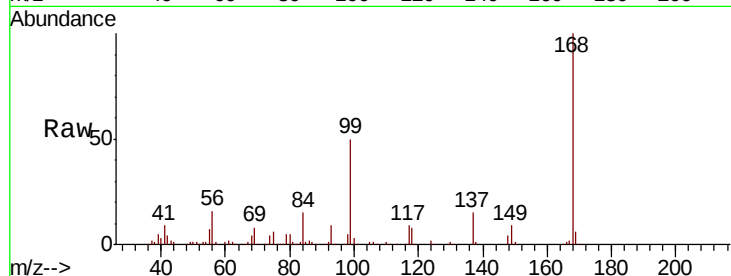




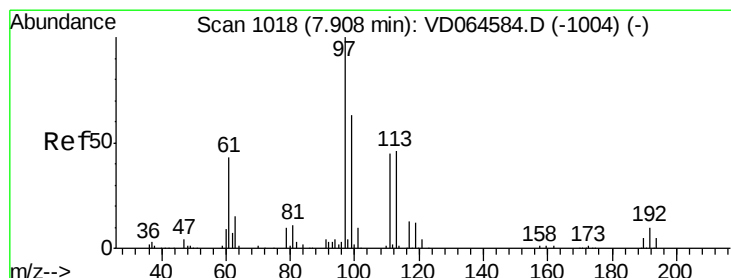
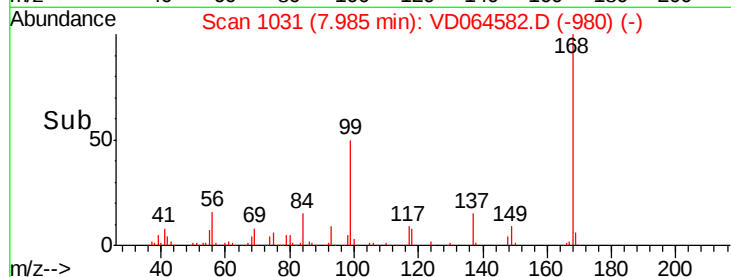
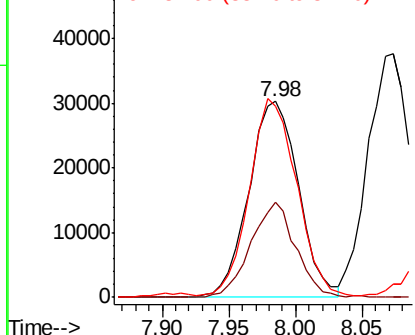
#31
Cyclohexane
Concen: 11.070 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 78203
Ion Ratio Lower Upper
56 100
69 48.5 24.7 37.1#
84 96.1 69.4 104.2

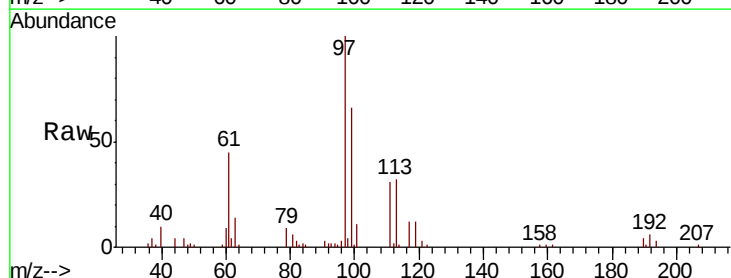


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

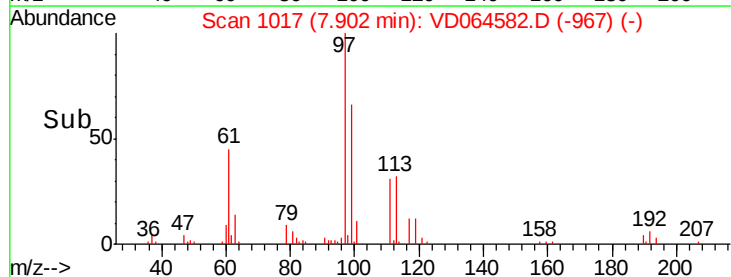
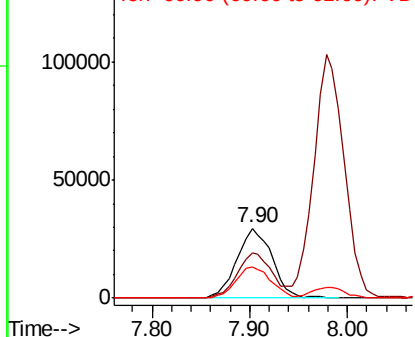


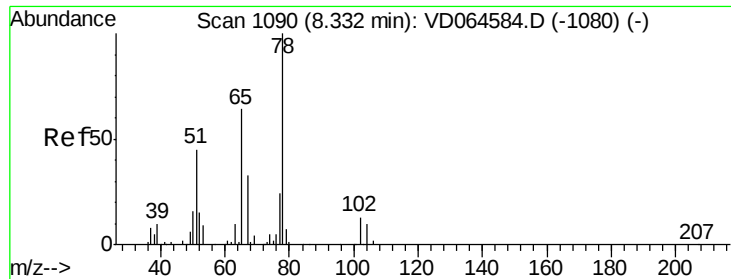
#32
1,1,1-Trichloroethane
Concen: 10.762 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 97 Resp: 74410
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 44.8 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 9.708 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

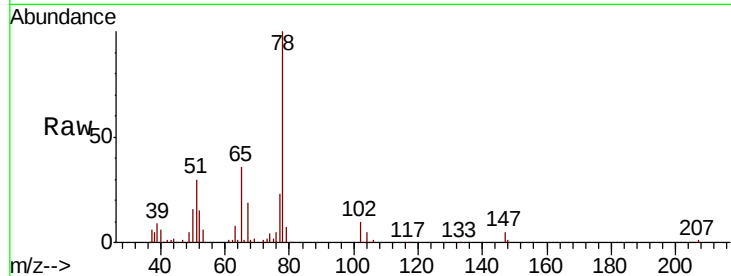
ClientSampleId :

Tot Ion: 65 Resp: 37916

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

15000

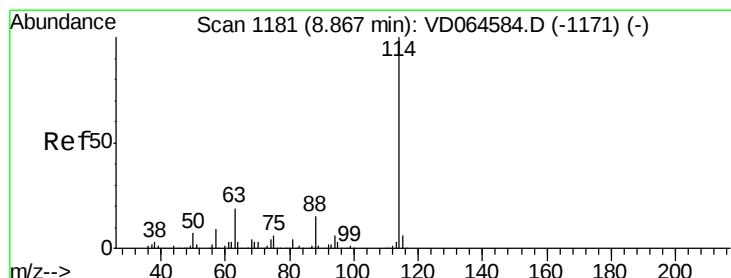
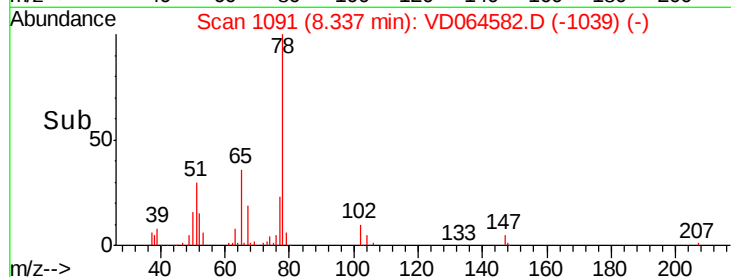
10000

5000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

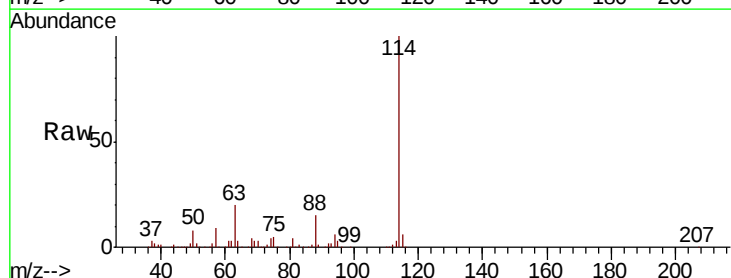
Tgt Ion: 114 Resp: 630837

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 14.9 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

300000

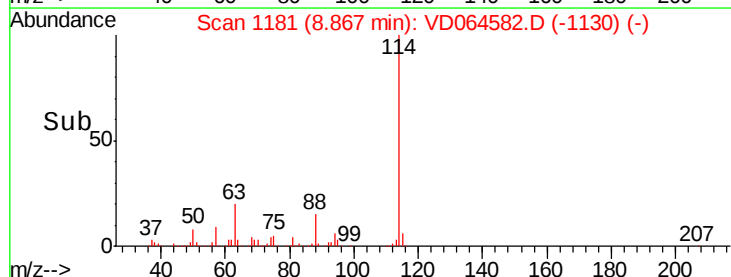
200000

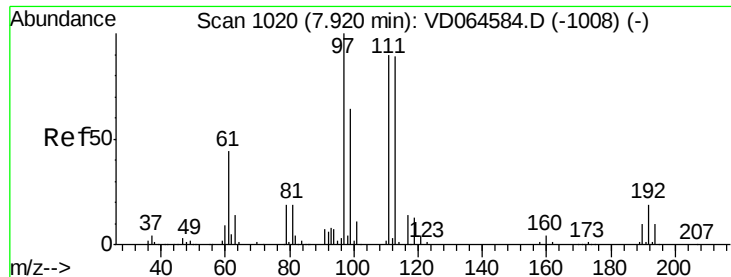
100000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 9.860 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

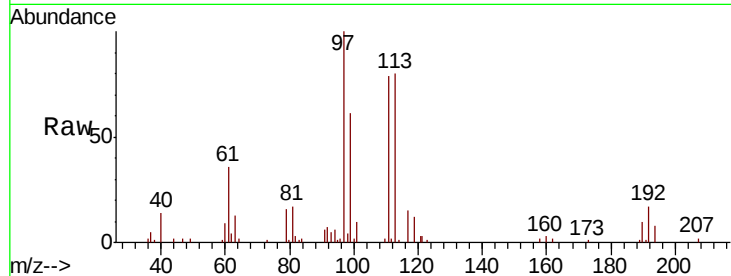
Tot Ion:113 Resp: 39297

Ion Ratio Lower Upper

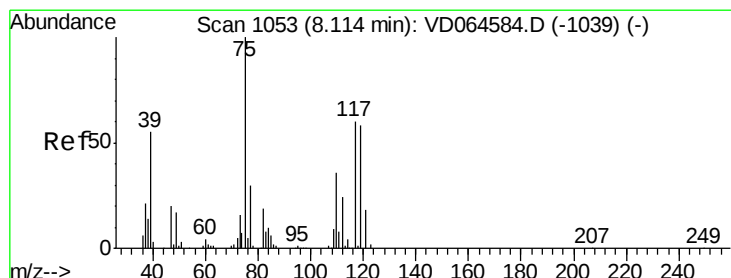
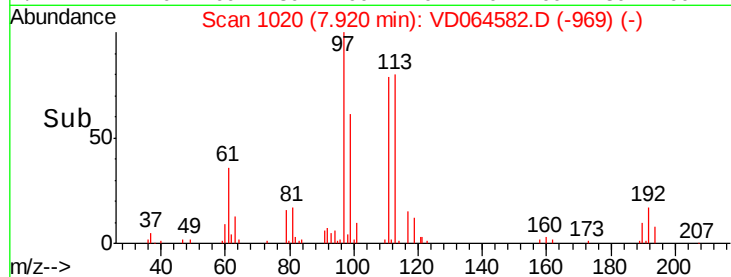
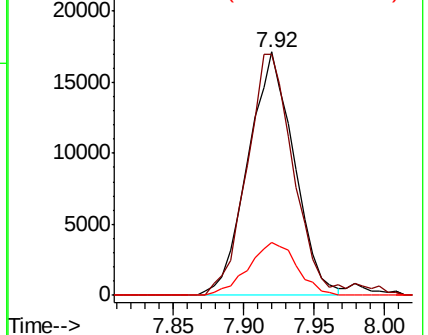
113 100

111 98.9 80.6 121.0

192 22.8 17.9 26.9



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



#36

1,1-Dichloropropene

Concen: 10.407 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

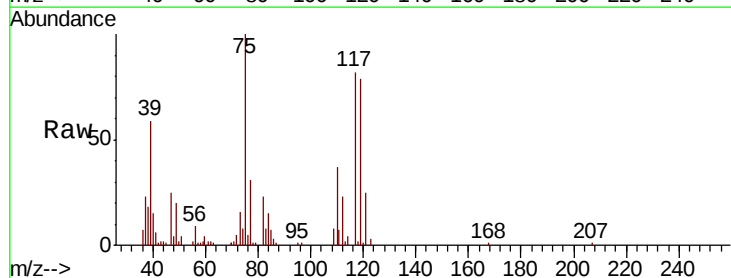
Tgt Ion: 75 Resp: 62548

Ion Ratio Lower Upper

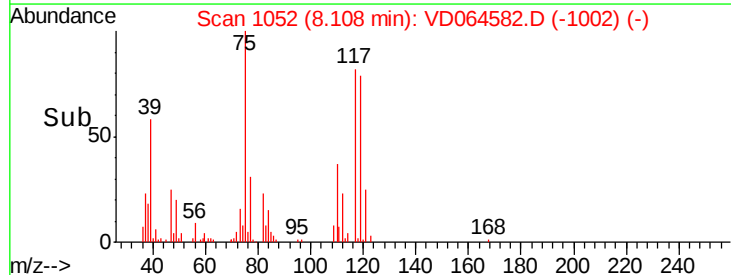
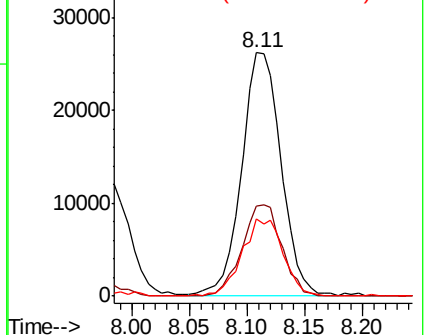
75 100

110 37.5 18.1 54.1

77 33.0 24.2 36.4



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

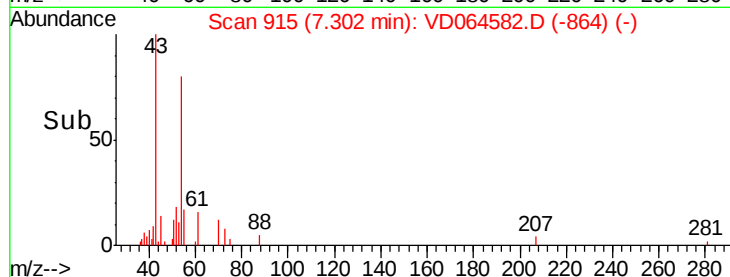
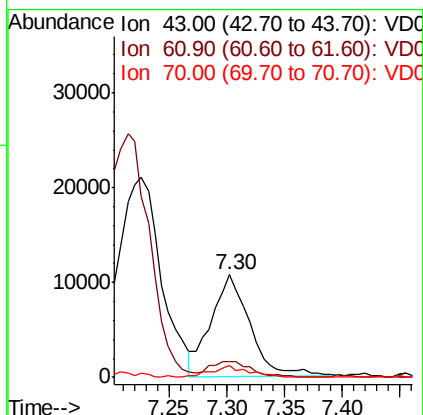
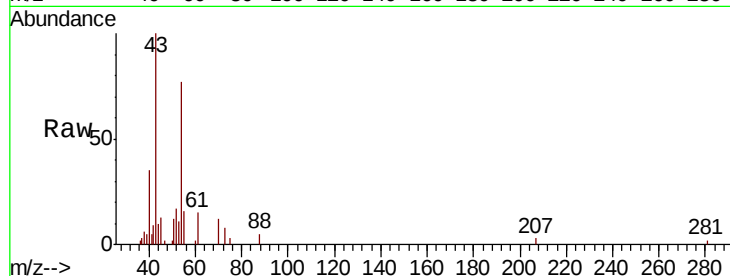




#37
Ethyl Acetate
Concen: 9.960 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

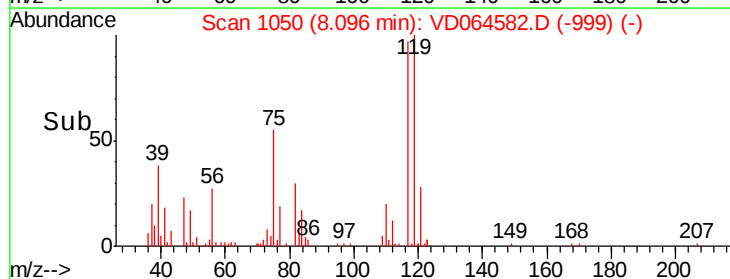
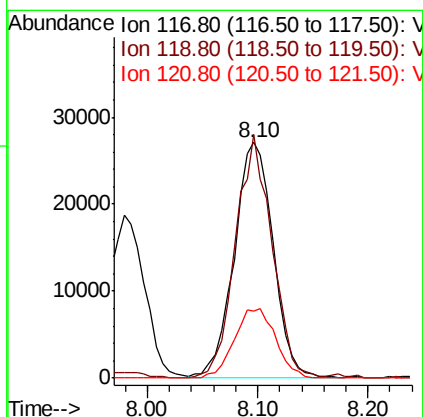
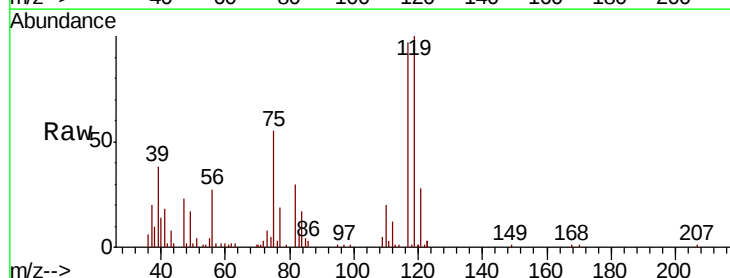
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 25127
Ion Ratio Lower Upper
43 100
61 17.0 10.3 15.5#
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 10.669 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 117 Resp: 67561
Ion Ratio Lower Upper
117 100
119 103.3 77.3 115.9
121 28.6 25.0 37.6

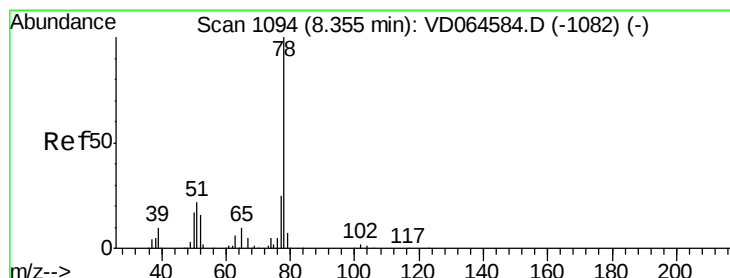
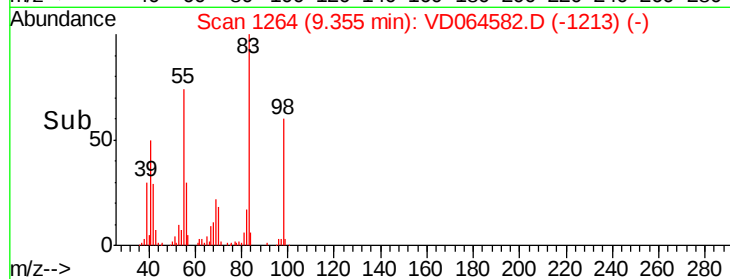
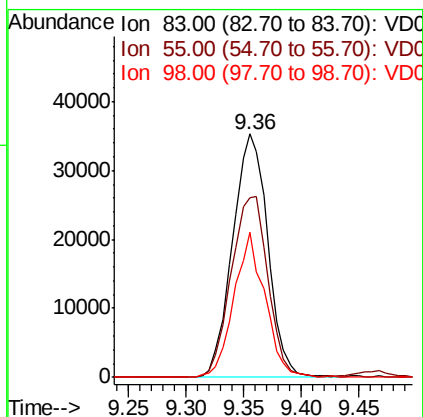
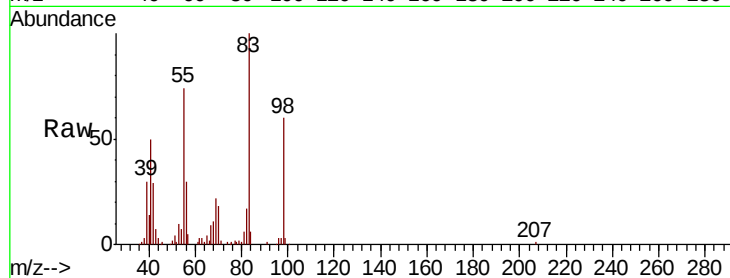




#39
Methvlcvclohexane
Concen: 10.100 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

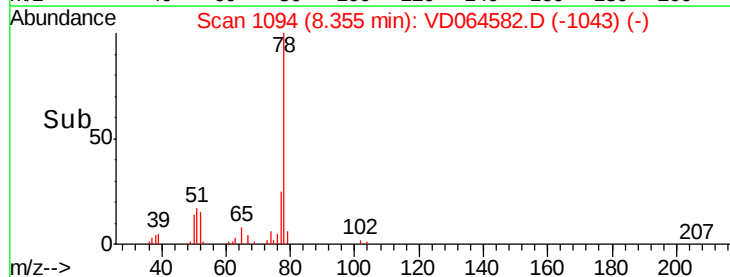
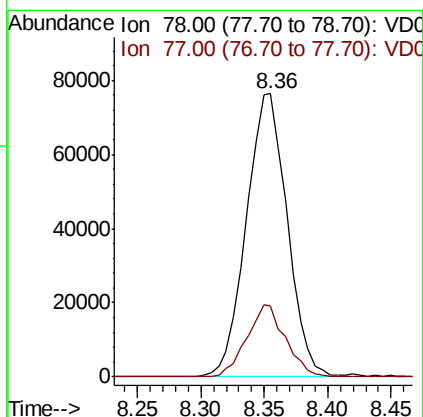
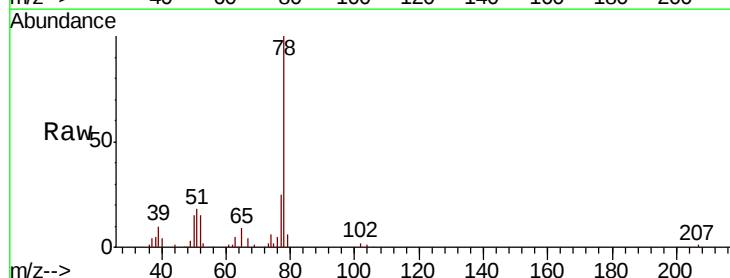
Instrument :
MSVOA_D
ClientSampleId :

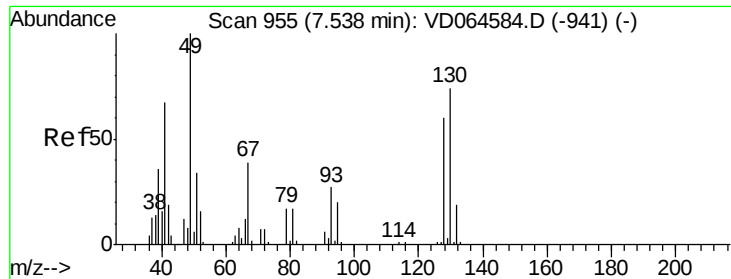
Tot Ion: 83 Resp: 74821
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 59.5 38.7 58.1#



#40
Benzene
Concen: 10.368 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 78 Resp: 171602
Ion Ratio Lower Upper
78 100
77 25.0 19.9 29.9

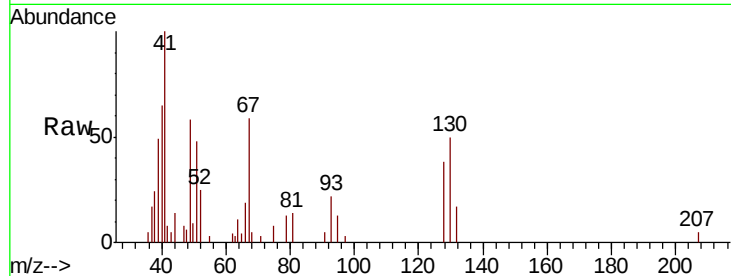




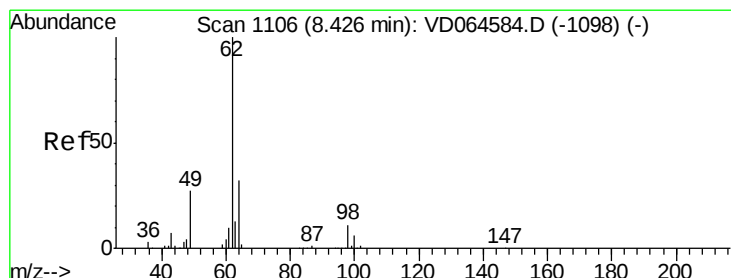
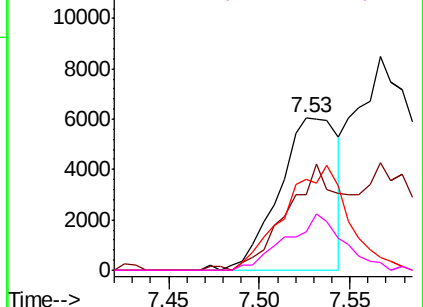
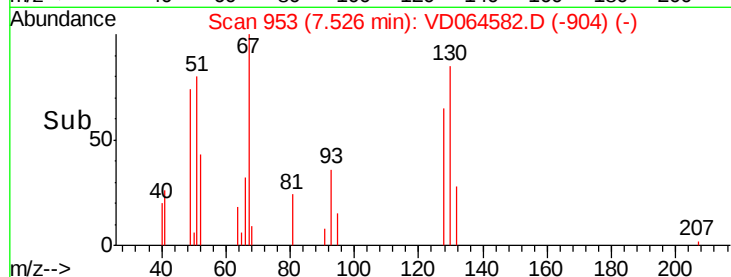
#41
Methacrylonitrile
Concen: 9.555 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 13637
Ion Ratio Lower Upper
41 100
39 73.1 46.7 70.1#
67 75.5 52.5 78.7
52 36.6 24.1 36.1#

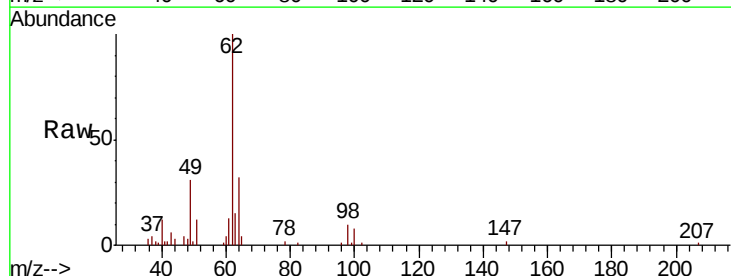


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

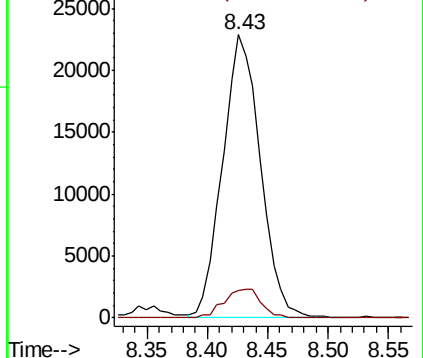
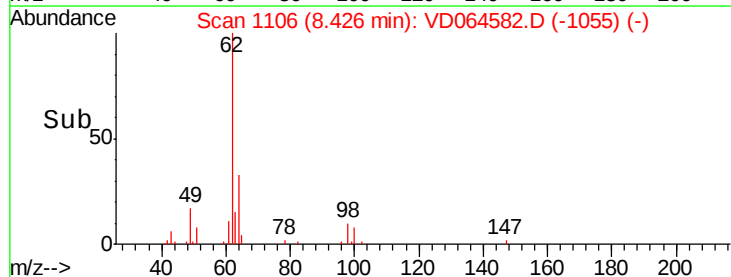


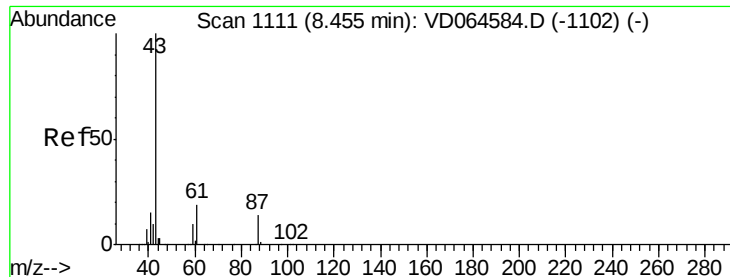
#42
1,2-Dichloroethane
Concen: 10.298 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 62 Resp: 49754
Ion Ratio Lower Upper
62 100
98 10.0 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: 9.927 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

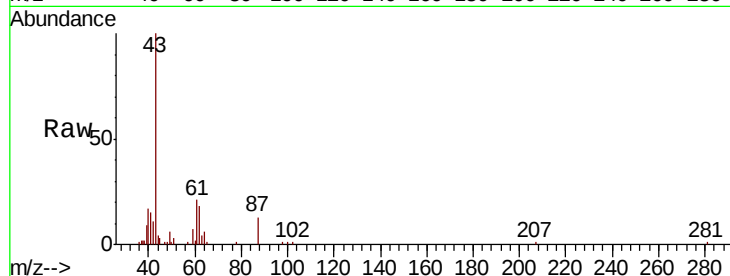
Tot Ion: 43 Resp: 49084

Ion Ratio Lower Upper

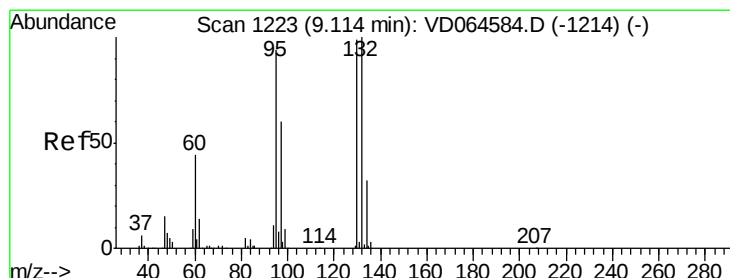
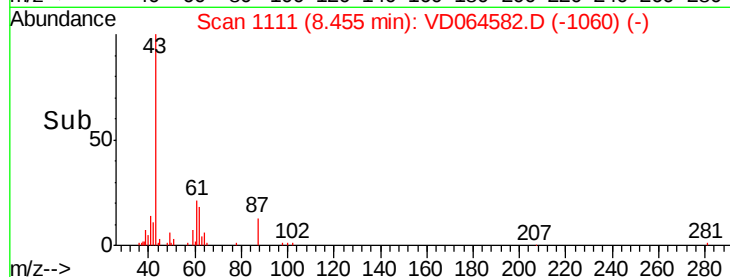
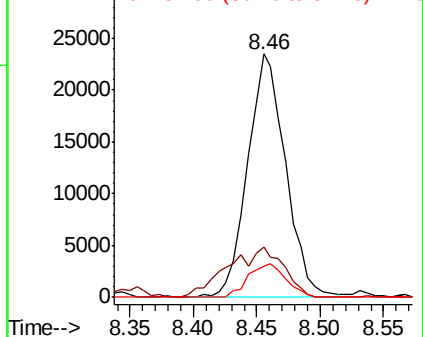
43 100

61 30.2 23.7 35.5

87 13.7 10.5 15.7



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



#44

Trichloroethene

Concen: 10.194 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064582.D

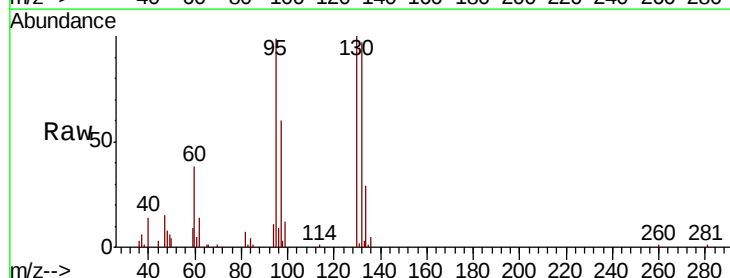
Acq: 24 Dec 2019 10:51

Tgt Ion: 130 Resp: 50831

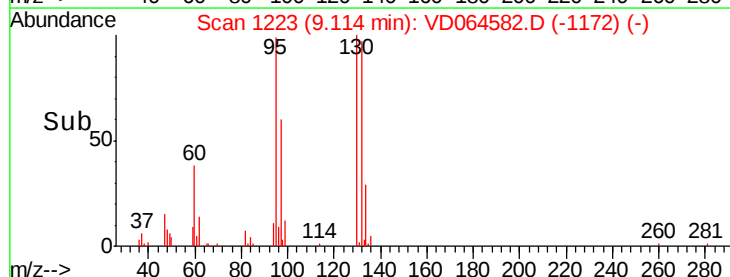
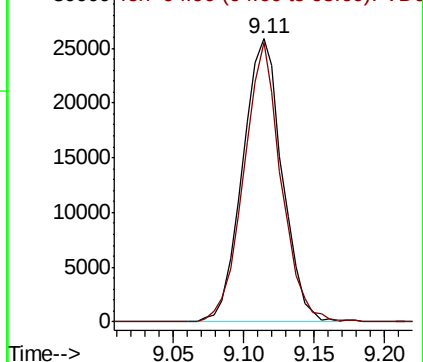
Ion Ratio Lower Upper

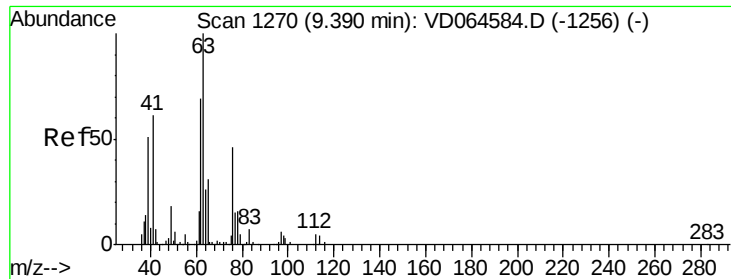
130 100

95 98.8 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 10.517 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

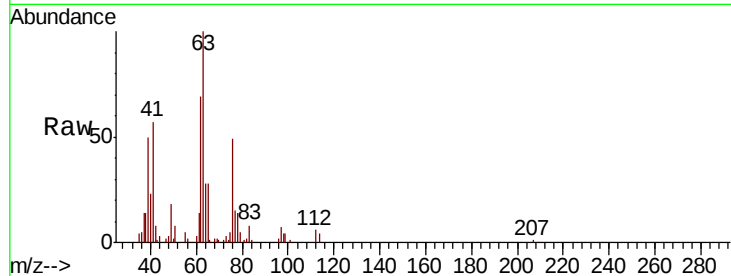
ClientSampleId :

Tot Ion: 63 Resp: 41514

Ion Ratio Lower Upper

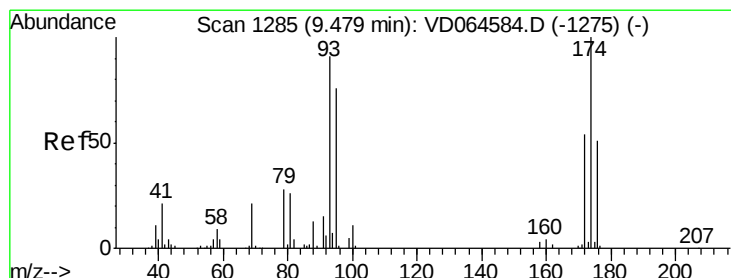
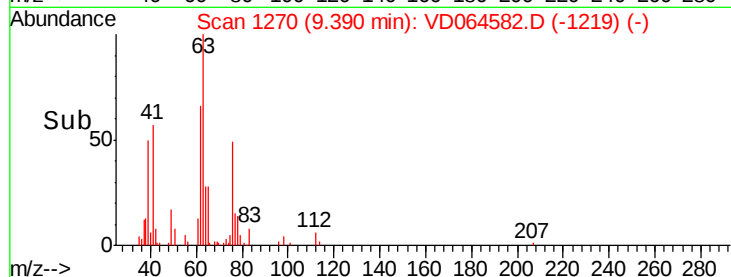
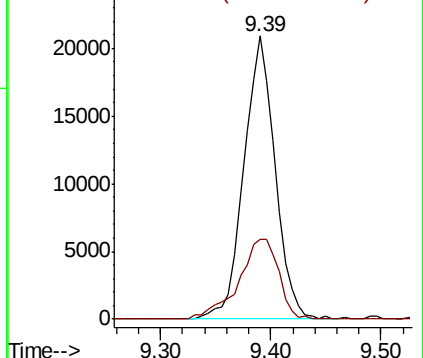
63 100

65 28.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 10.320 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

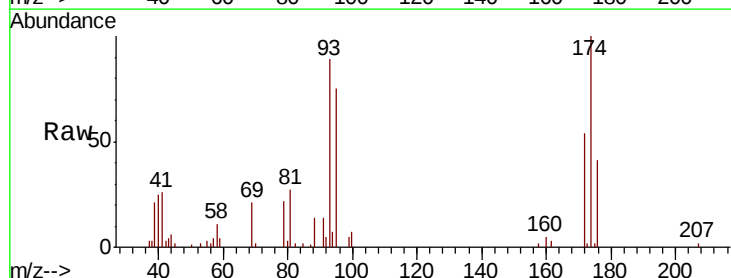
Tgt Ion: 93 Resp: 23070

Ion Ratio Lower Upper

93 100

95 86.7 64.6 97.0

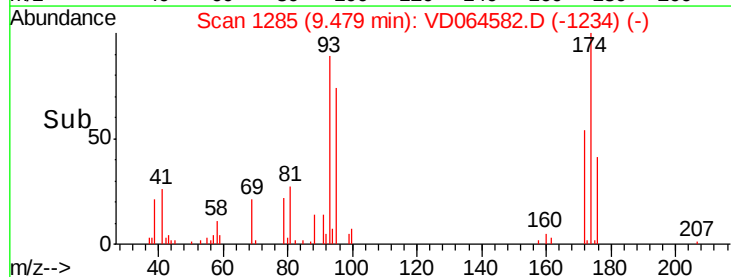
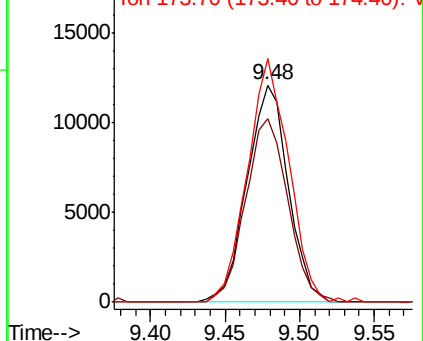
174 112.7 88.1 132.1

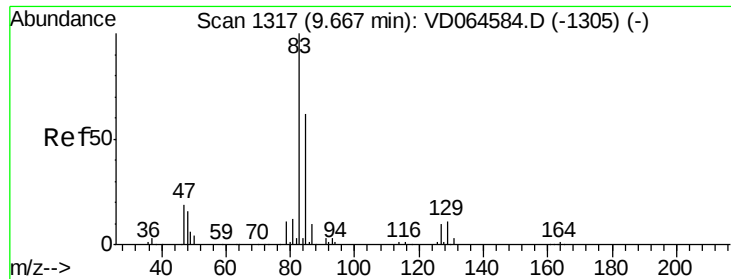


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 10.514 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

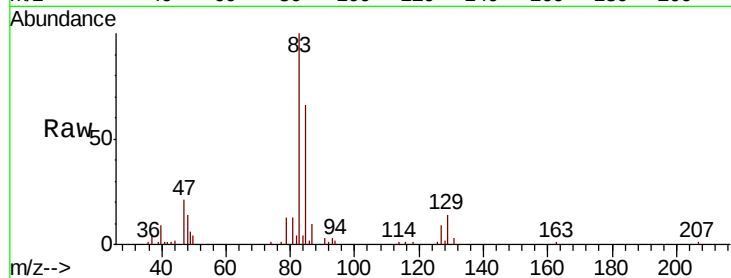
Tot Ion: 83 Resp: 60489

Ion Ratio Lower Upper

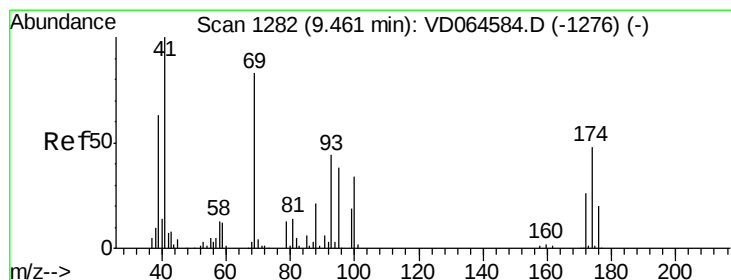
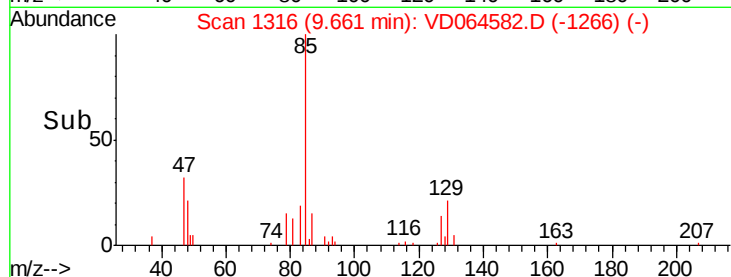
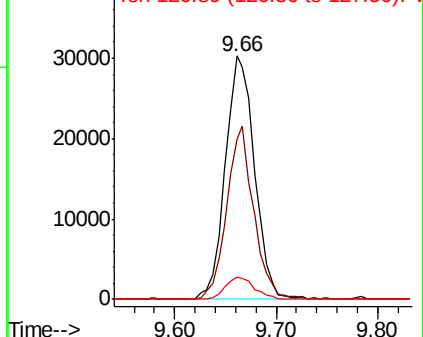
83 100

85 65.7 49.5 74.3

127 8.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 10.023 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

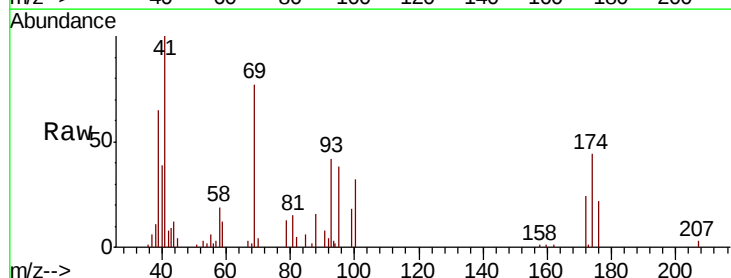
Tgt Ion: 41 Resp: 22996

Ion Ratio Lower Upper

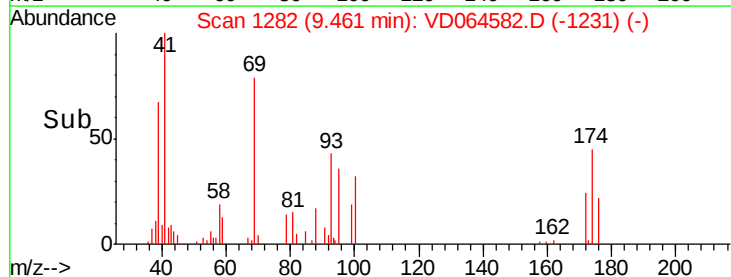
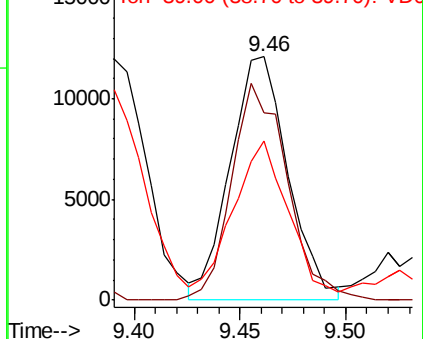
41 100

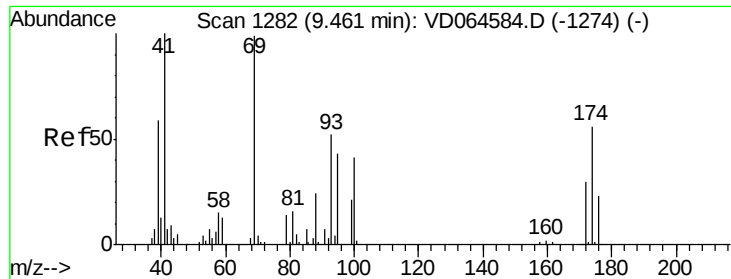
69 85.5 63.0 94.6

39 58.0 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

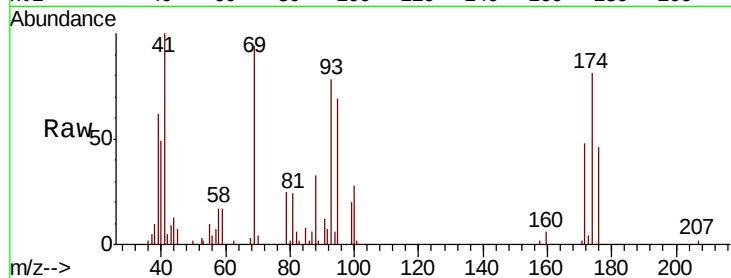




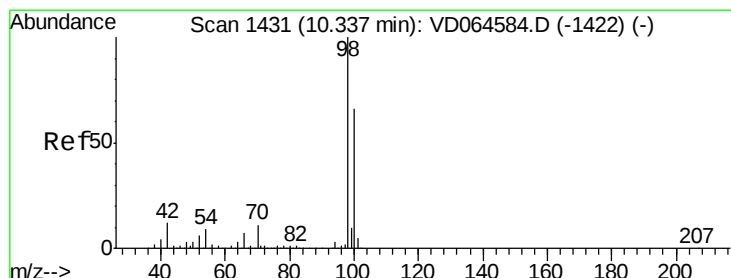
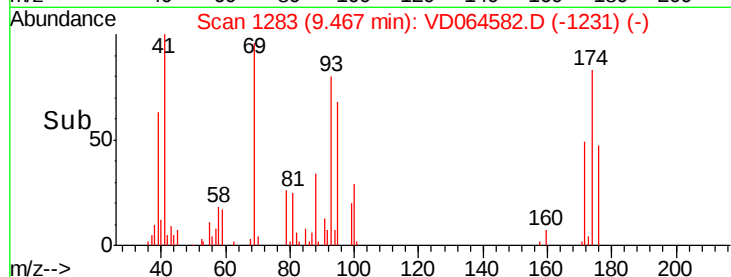
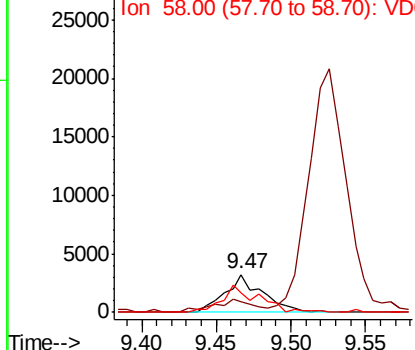
#49
1,4-Dioxane
Concen: 205.127 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 5628
Ion Ratio Lower Upper
88 100
43 37.5 27.7 41.5
58 69.6 53.8 80.6

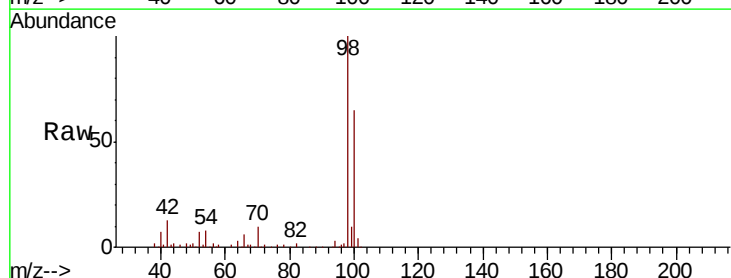


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

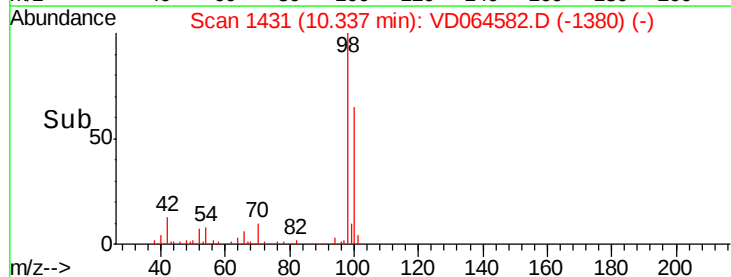
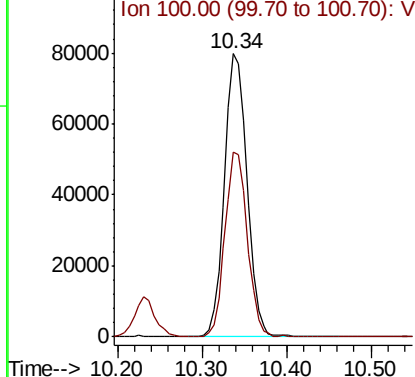


#50
Toluene-d8
Concen: 9.755 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 98 Resp: 147096
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 49.141 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

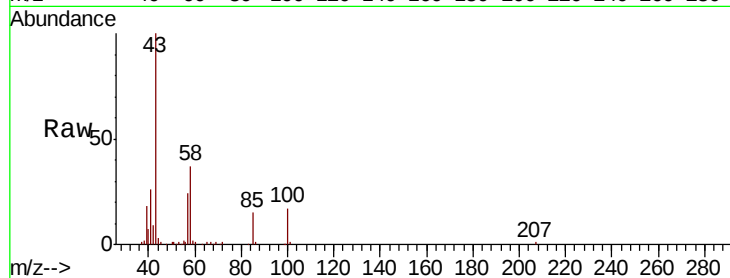
ClientSampled :

Tot Ion: 43 Resp: 120328

Ion Ratio Lower Upper

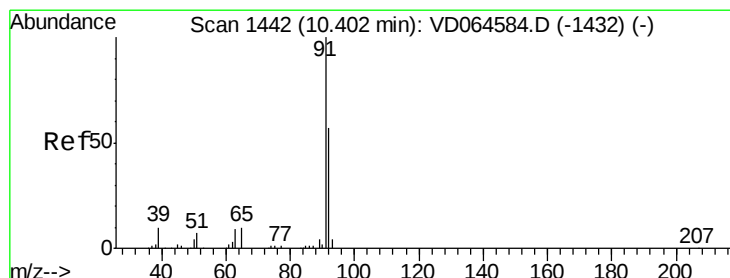
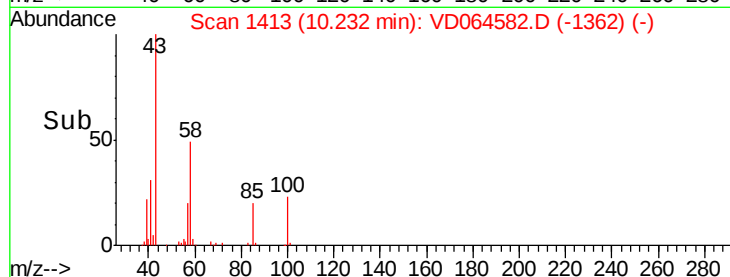
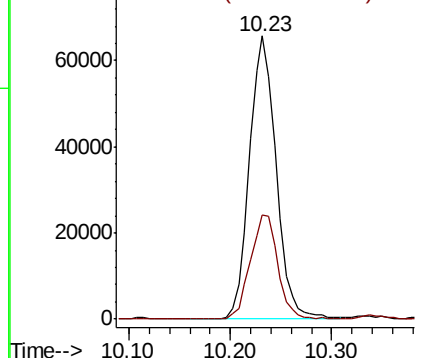
43 100

58 37.6 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: 10.232 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD064582.D

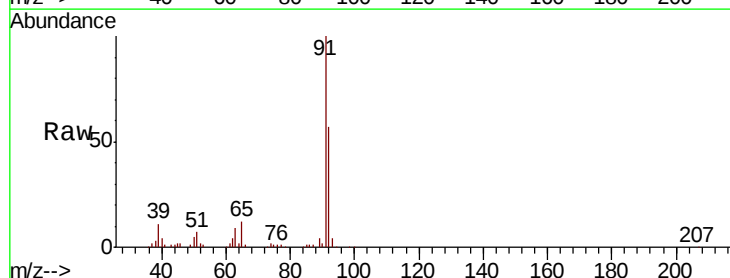
Acq: 24 Dec 2019 10:51

Tgt Ion: 92 Resp: 110902

Ion Ratio Lower Upper

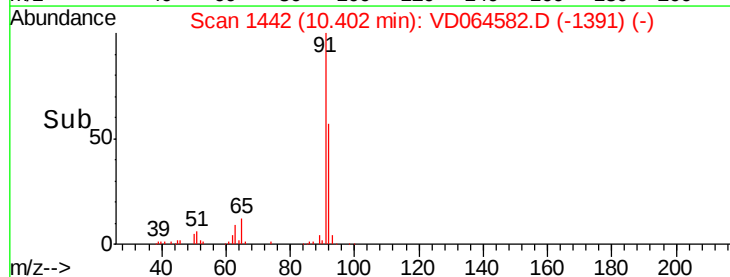
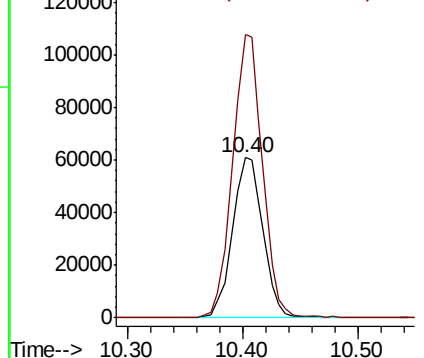
92 100

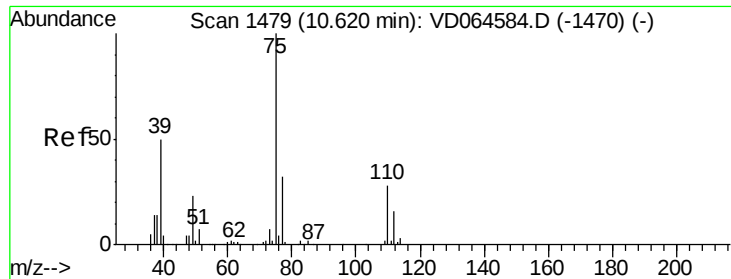
91 173.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

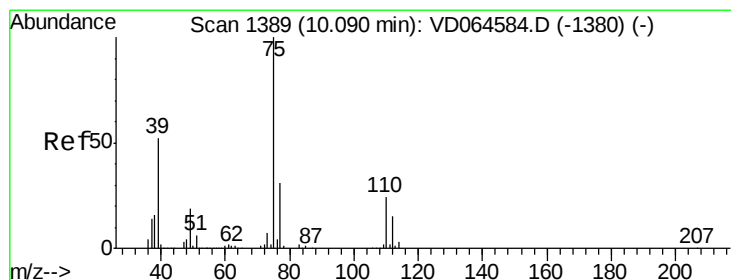
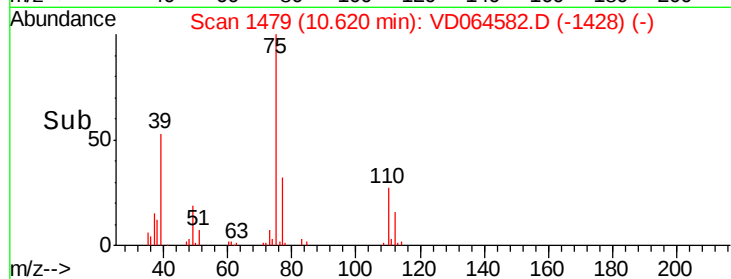
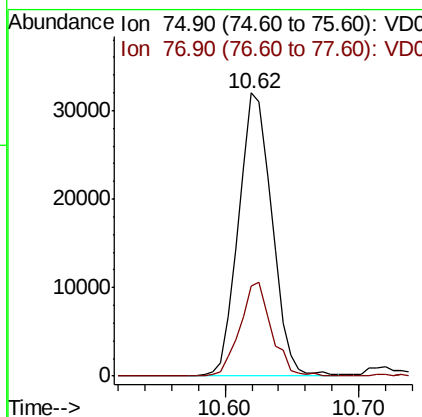
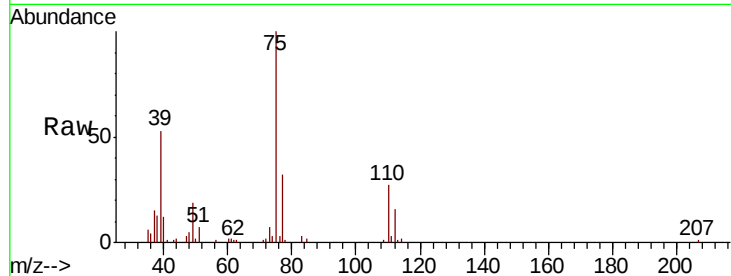




#53
 t-1,3-Dichloropropene
 Concen: 10.166 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

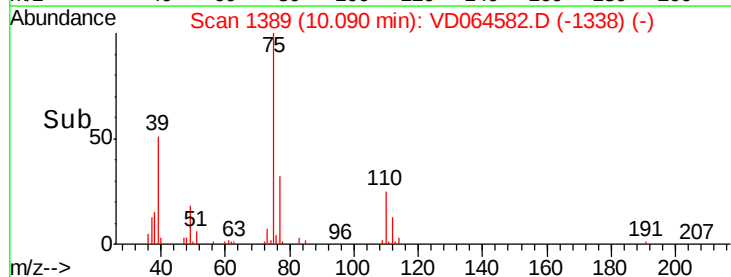
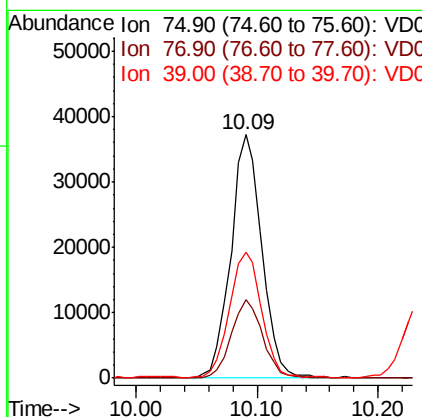
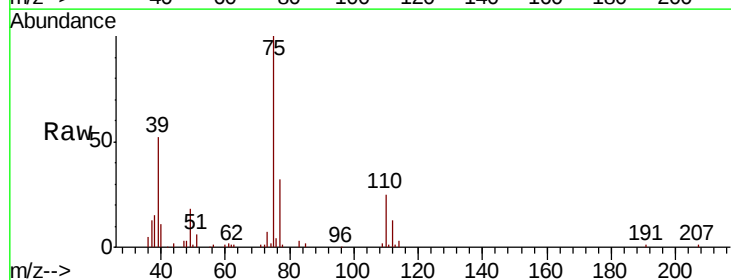
Instrument :
 MSVOA_D
 ClientSampleId :

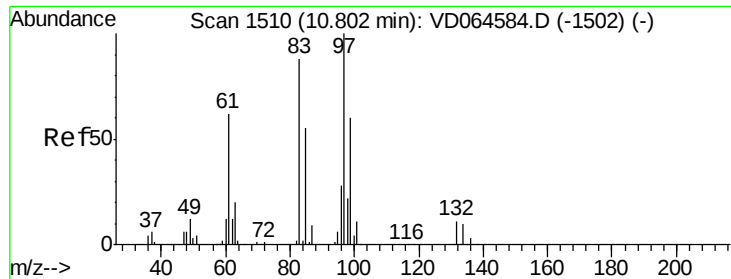
Tot Ion: 75 Resp: 55622
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 10.217 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

Tgt Ion: 75 Resp: 66422
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.6 36.8
 39 51.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 10.569 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 32277

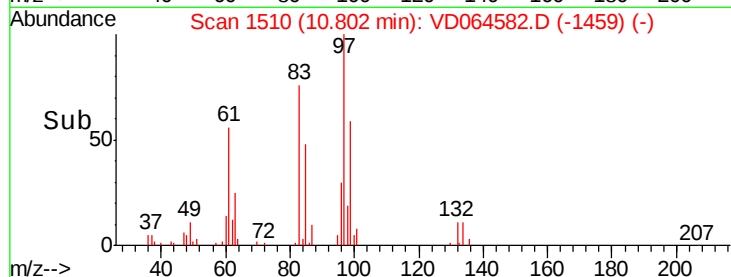
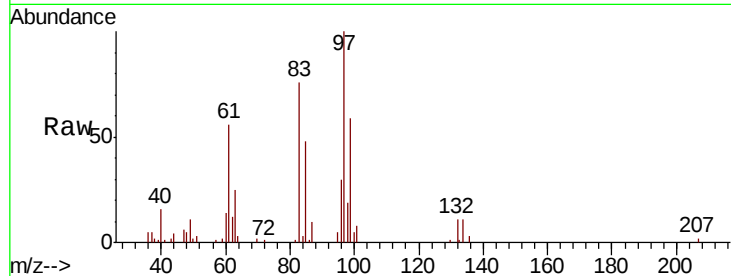
Ion	Ratio	Lower	Upper
97	100		
83	76.3	70.2	105.4
85	47.9	44.0	66.0
99	58.9	47.8	71.6

97 100

83 76.3 70.2 105.4

85 47.9 44.0 66.0

99 58.9 47.8 71.6



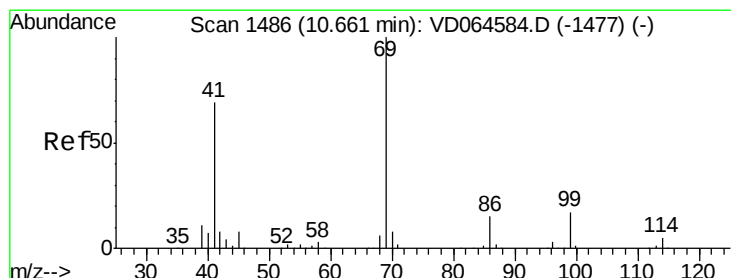
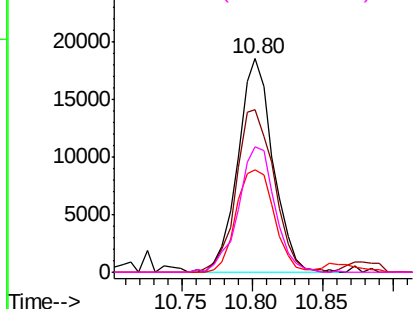
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 9.873 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

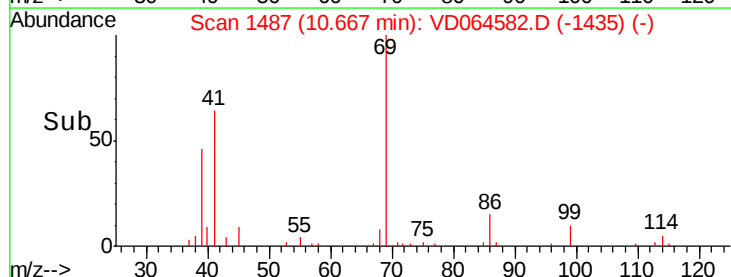
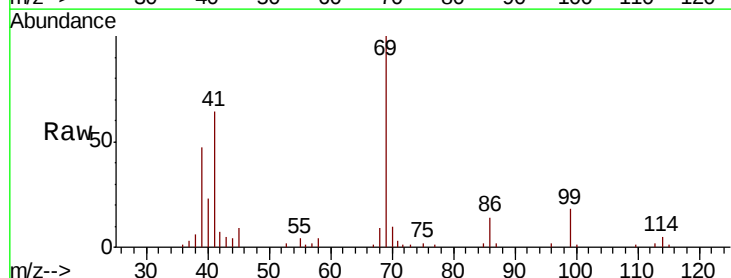
Tgt Ion: 69 Resp: 38288

Ion	Ratio	Lower	Upper
69	100		
41	64.4	55.3	82.9
39	41.6	33.8	50.8

69 100

41 64.4 55.3 82.9

39 41.6 33.8 50.8

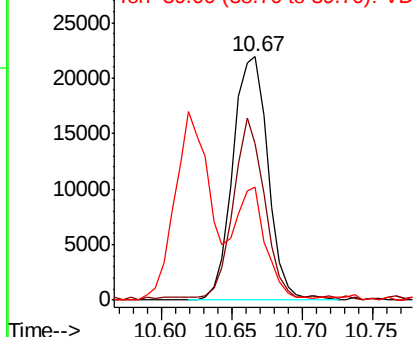


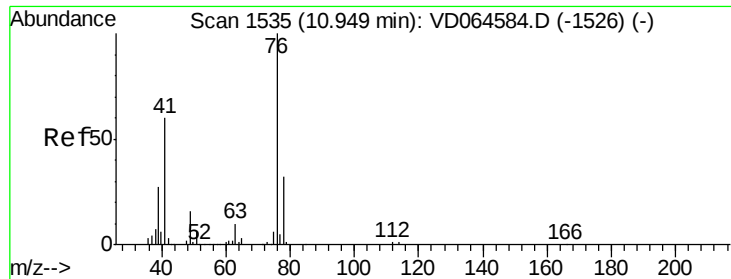
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

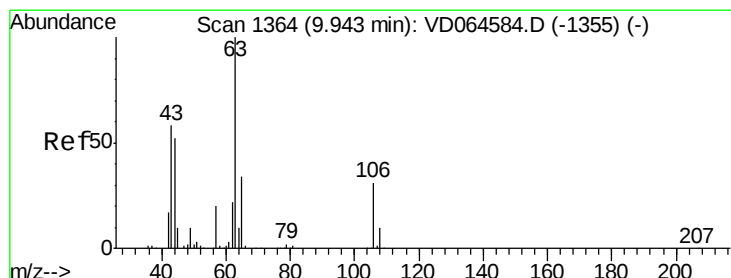
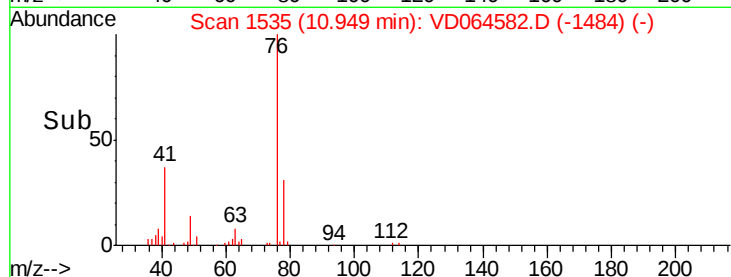
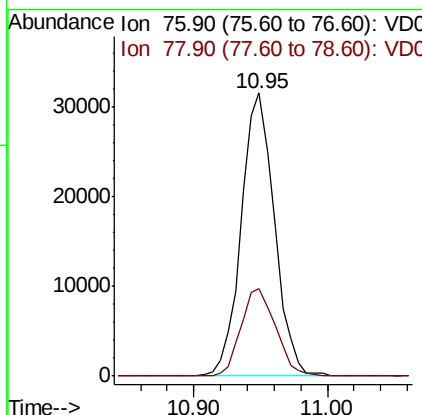
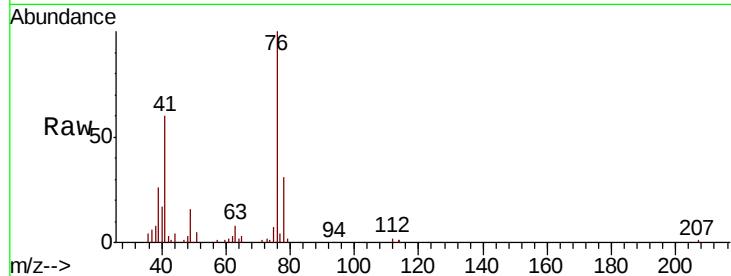




#57
 1,3-Dichloropropane
 Concen: 10.406 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

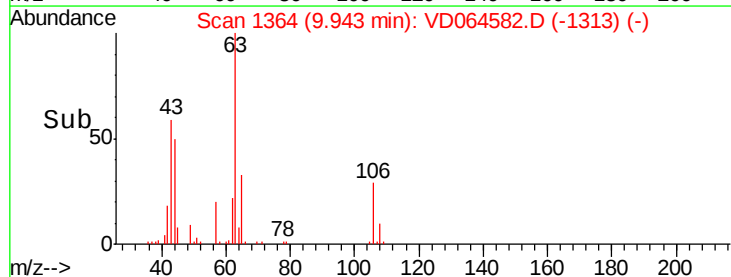
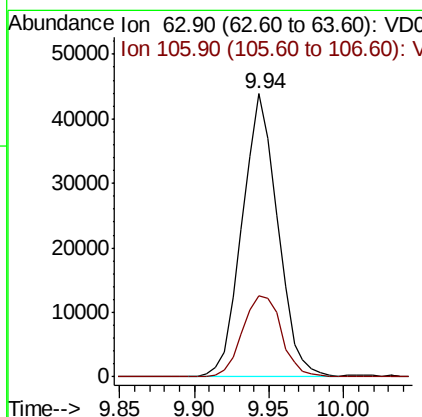
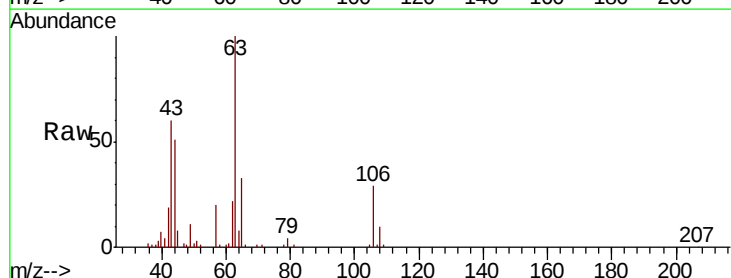
Instrument :
 MSVOA_D
 ClientSampleId :

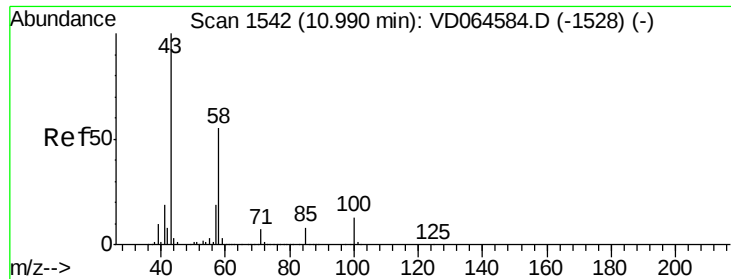
Tot Ion: 76 Resp: 54190
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 47.093 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

Tgt Ion: 63 Resp: 72430
 Ion Ratio Lower Upper
 63 100
 106 31.4 23.8 35.8

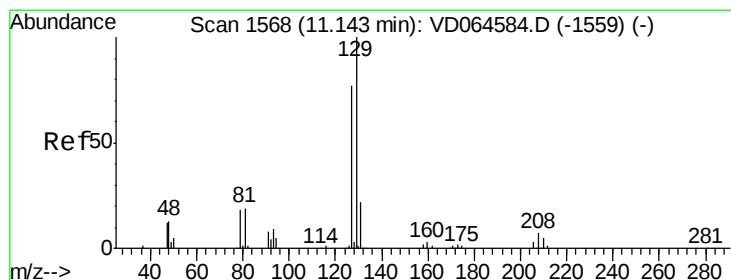
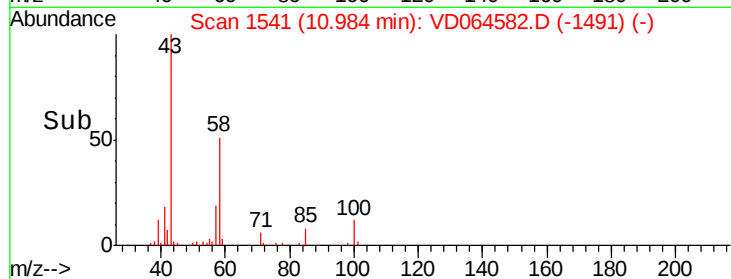
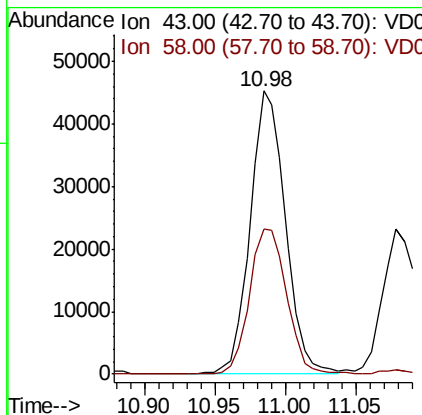
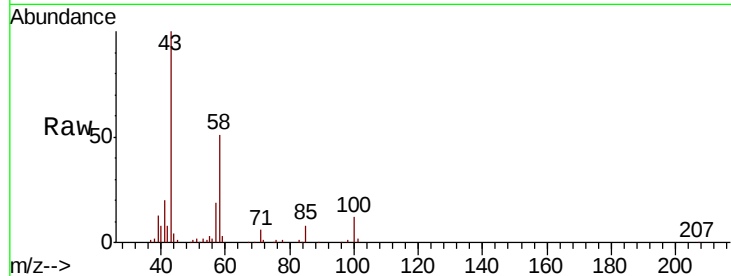




#59
2-Hexanone
Concen: 46.761 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

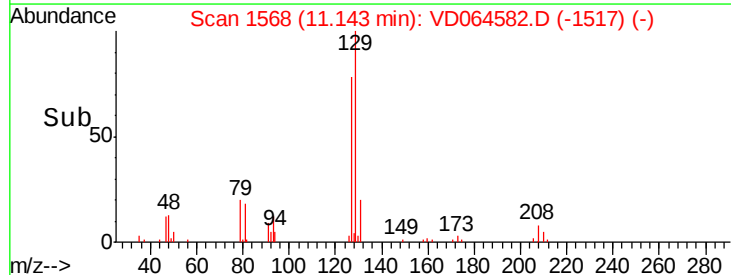
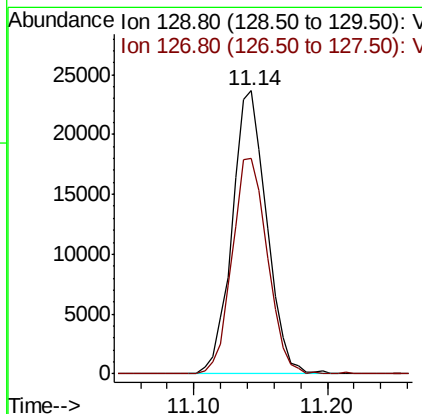
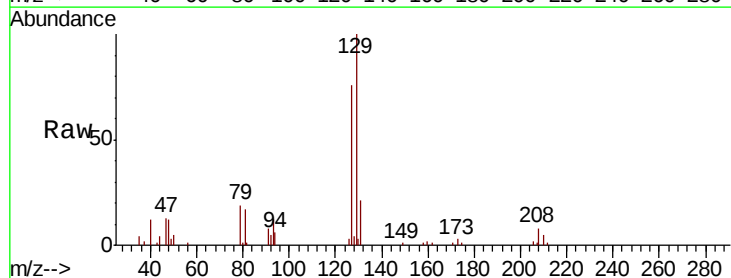
Instrument :
MSVOA_D
ClientSampleId :

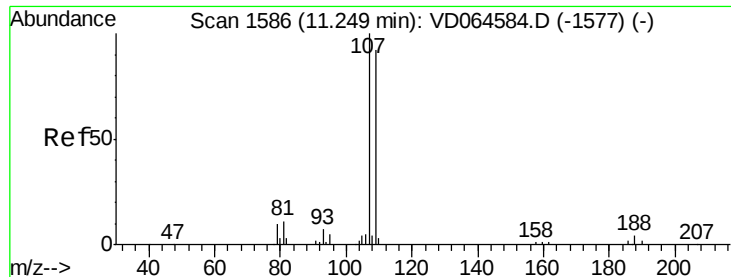
Tot Ion: 43 Resp: 79451
Ion Ratio Lower Upper
43 100
58 54.0 26.4 79.0



#60
Dibromochloromethane
Concen: 10.229 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 129 Resp: 42449
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

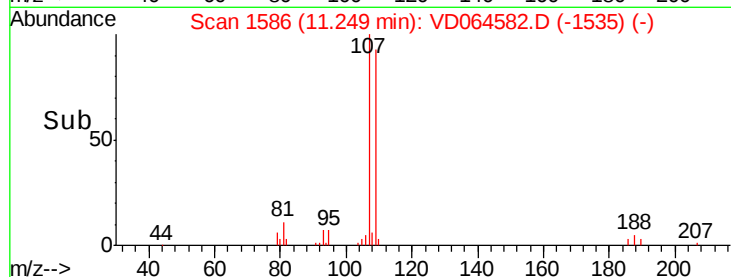
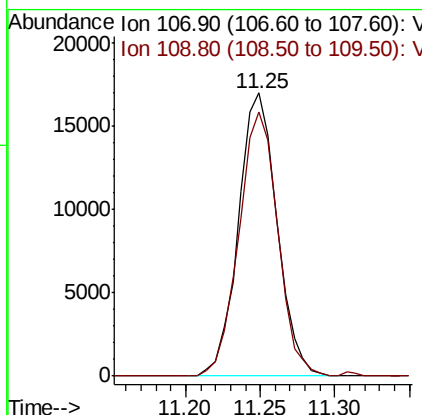
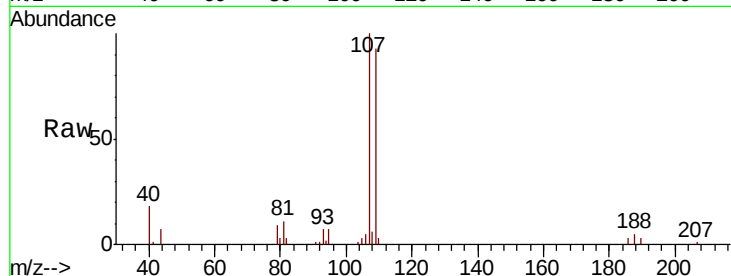




#61
 1,2-Dibromoethane
 Concen: 10.032 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

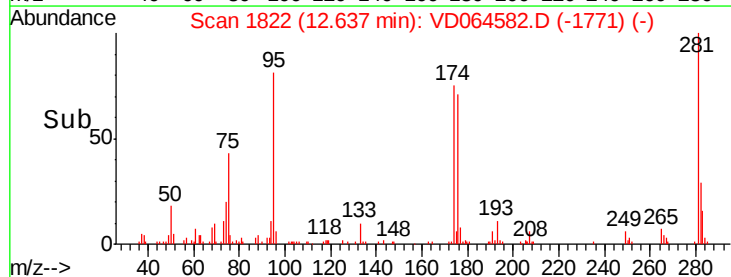
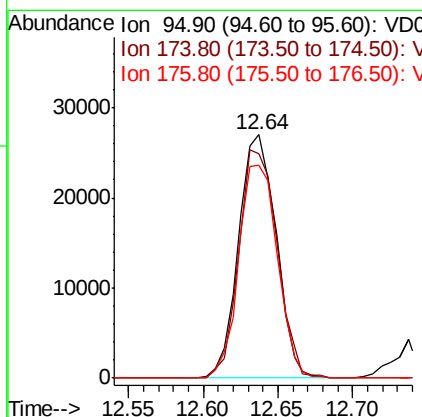
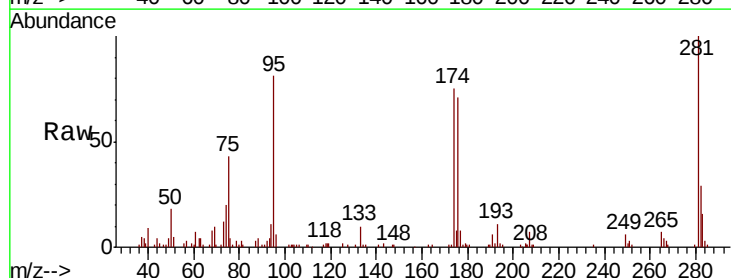
Instrument :
 MSVOA_D
 ClientSampleId :

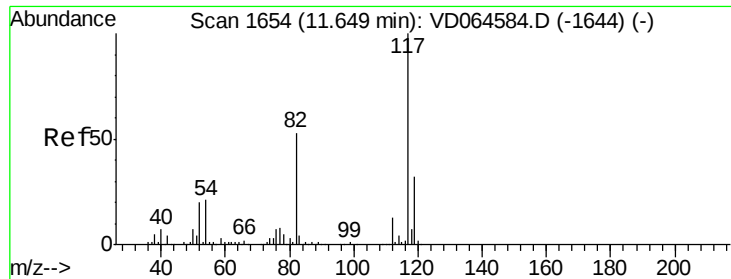
Tot Ion:107 Resp: 30559
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 9.700 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

Tgt Ion: 95 Resp: 47091
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 193.2
 176 90.4 0.0 184.2

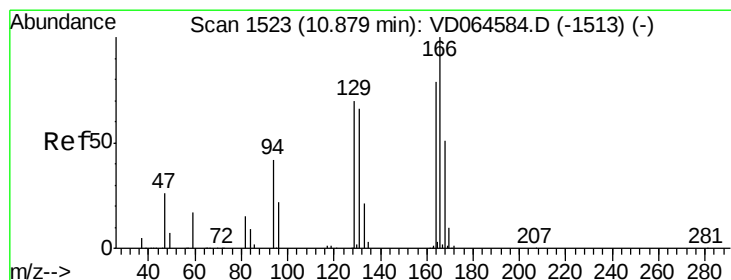
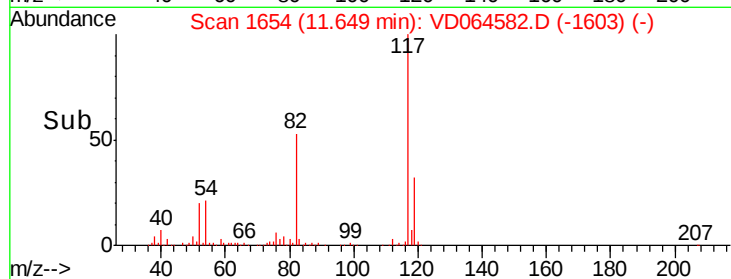
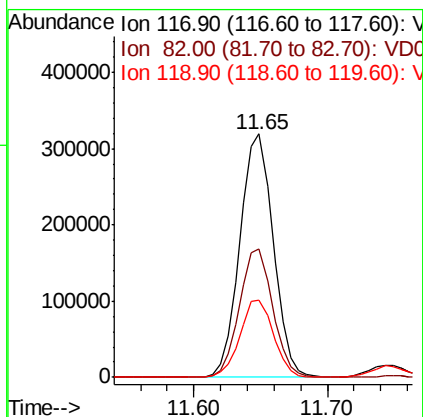
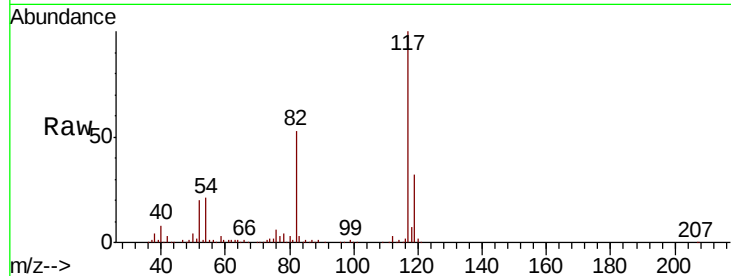




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

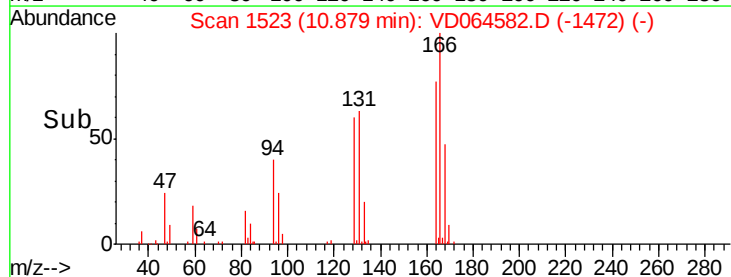
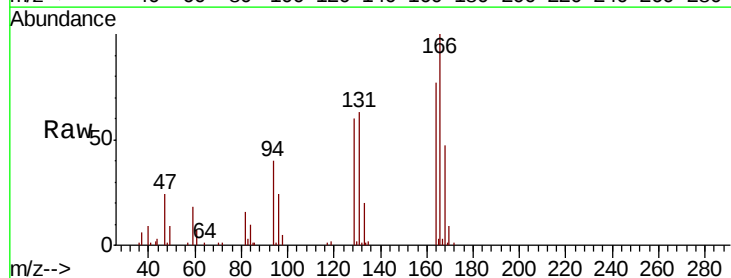
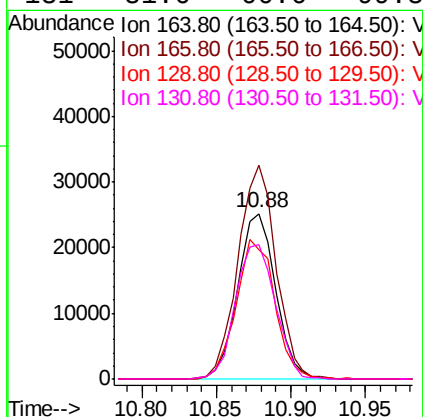
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 554381
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 10.441 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion:164 Resp: 44122
Ion Ratio Lower Upper
164 100
166 129.2 101.3 151.9
129 77.9 70.5 105.7
131 81.6 66.6 99.8

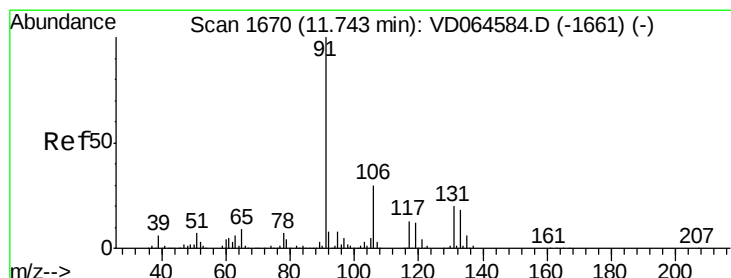
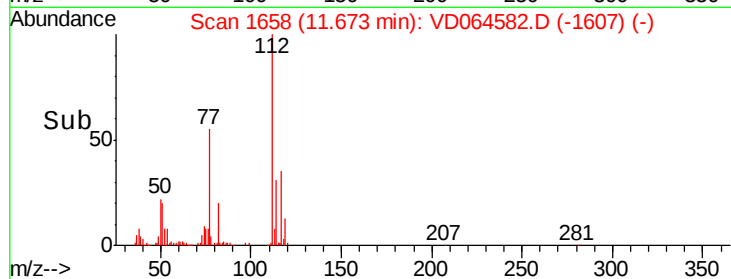
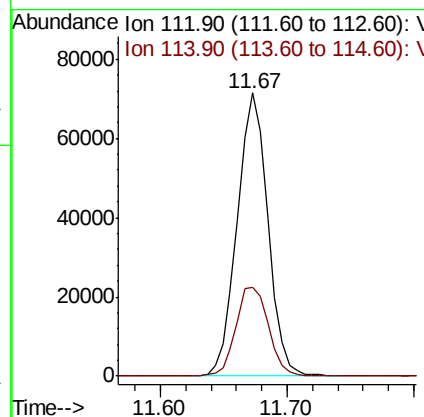
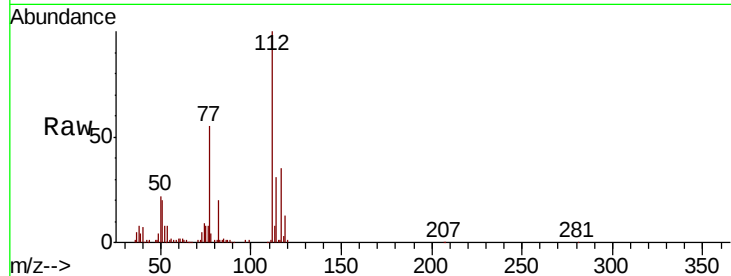




#65
Chlorobenzene
Concen: 10.298 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

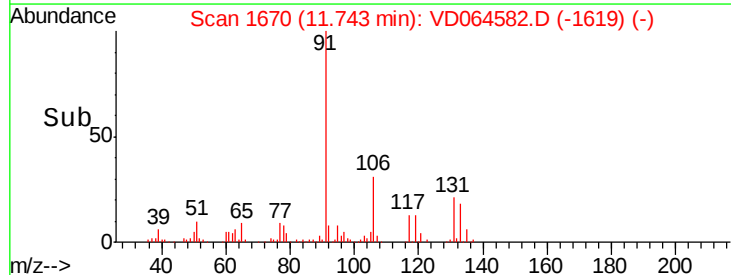
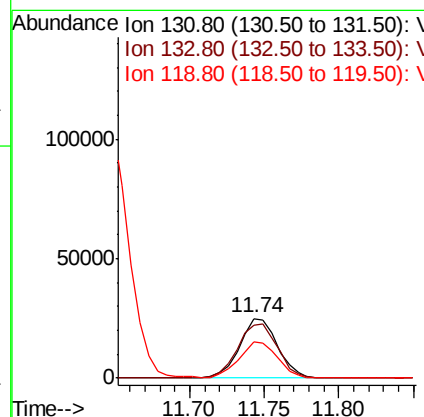
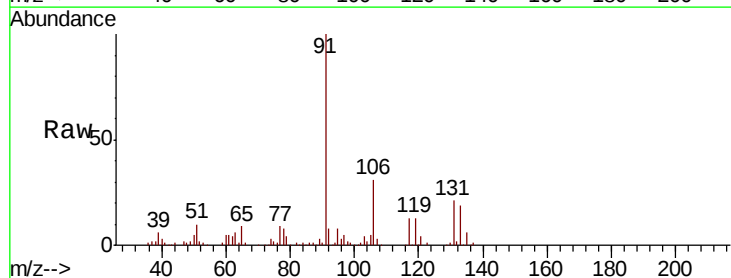
Instrument :
MSVOA_D
ClientSampleId :

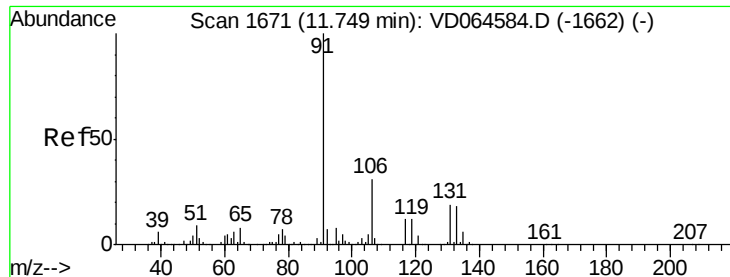
Tot Ion:112 Resp: 119569
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 10.222 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion:131 Resp: 43847
Ion Ratio Lower Upper
131 100
133 96.0 48.3 144.8
119 62.7 32.1 96.3





#67

Ethyl Benzene

Concen: 10.173 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

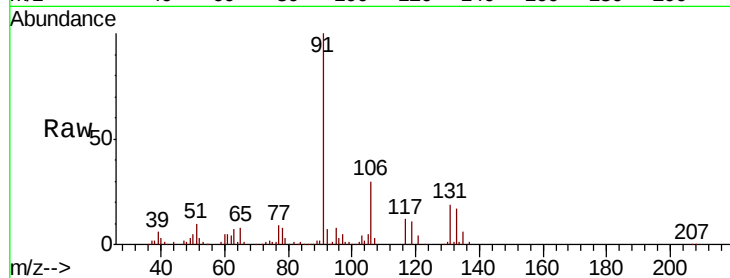
ClientSampleId :

Tot Ion: 91 Resp: 210527

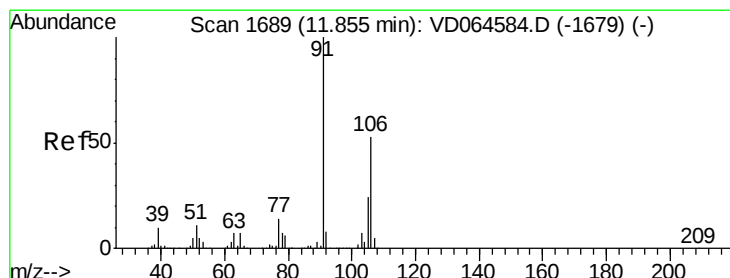
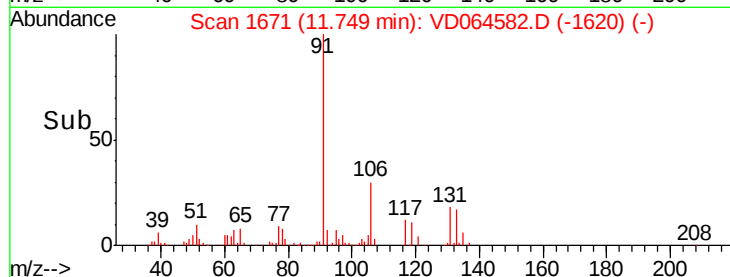
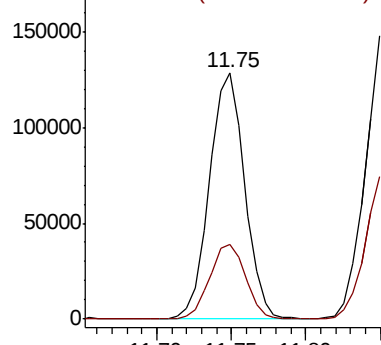
Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 20.469 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064582.D

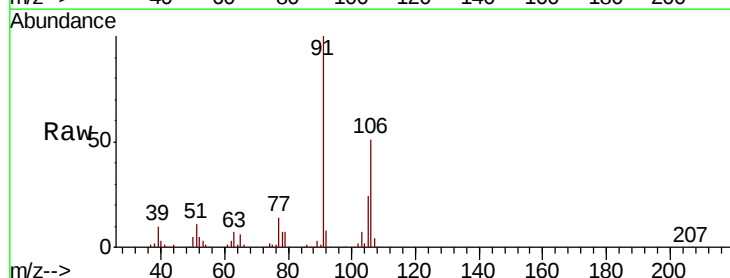
Acq: 24 Dec 2019 10:51

Tgt Ion: 106 Resp: 161970

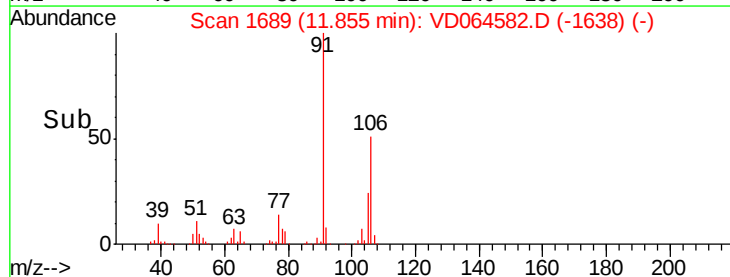
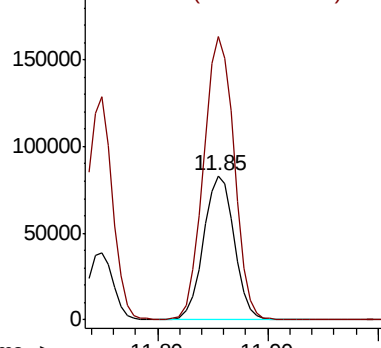
Ion Ratio Lower Upper

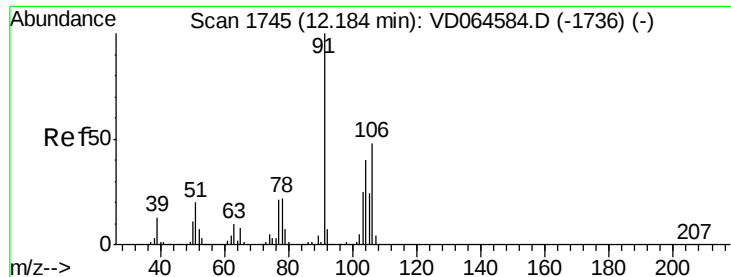
106 100

91 197.1 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

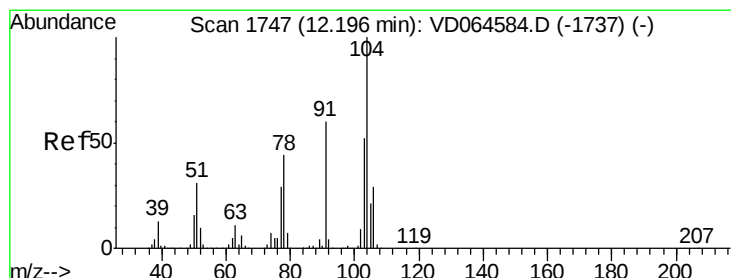
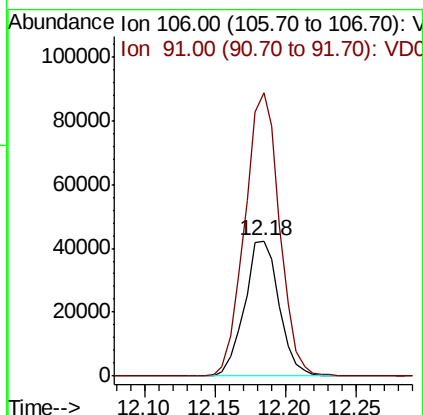
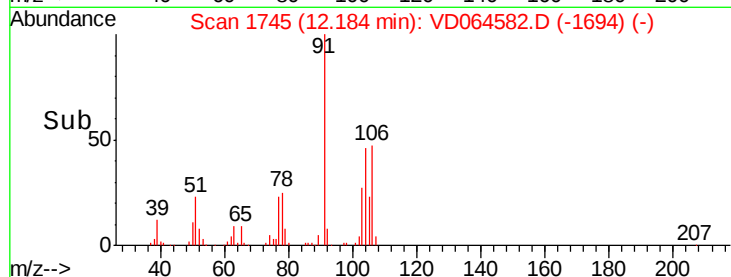
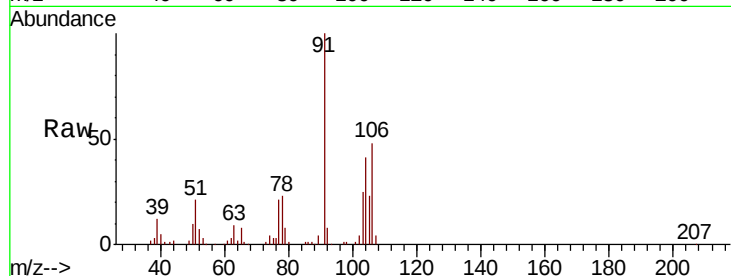




#69
o-Xylene
Concen: 9.974 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

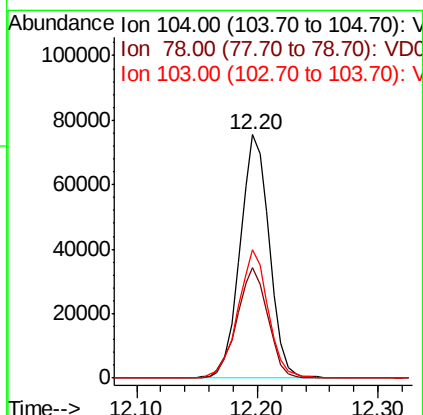
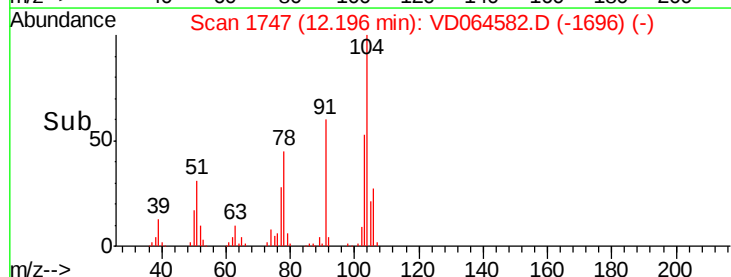
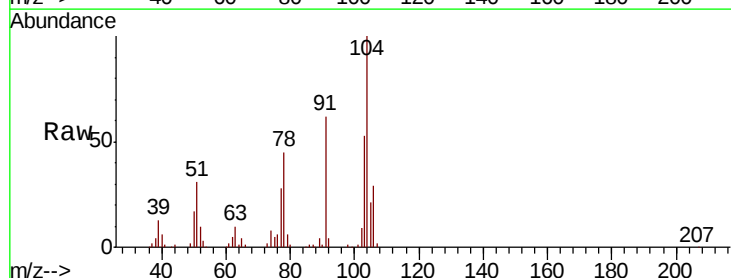
Instrument :
MSVOA_D
ClientSampleId :

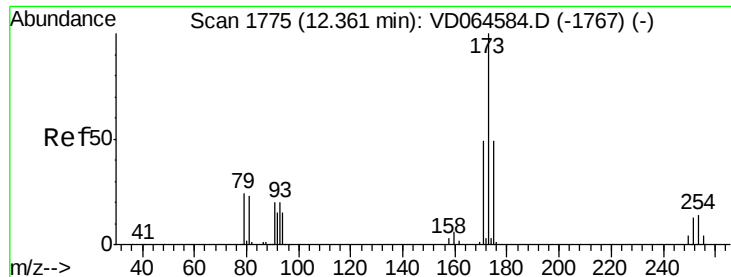
Tot Ion:106 Resp: 72531
Ion Ratio Lower Upper
106 100
91 211.2 104.8 314.4



#70
Styrene
Concen: 10.054 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion:104 Resp: 127319
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 54.4 44.6 67.0





#71

Bromoform

Concen: 9.761 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

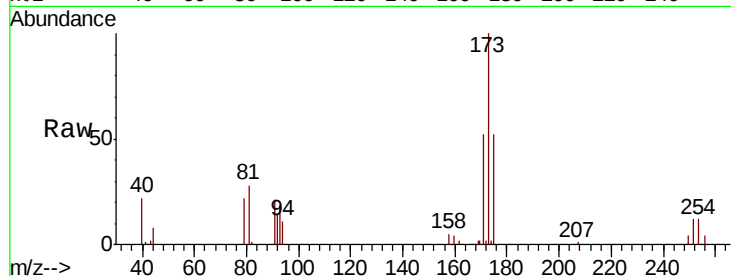
Tot Ion:173 Resp: 24993

Ion Ratio Lower Upper

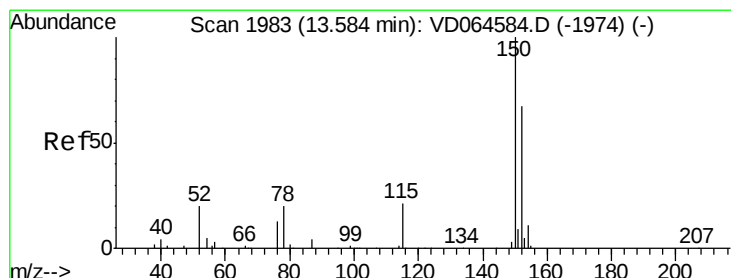
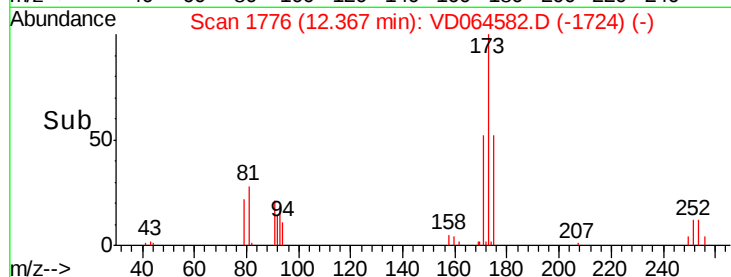
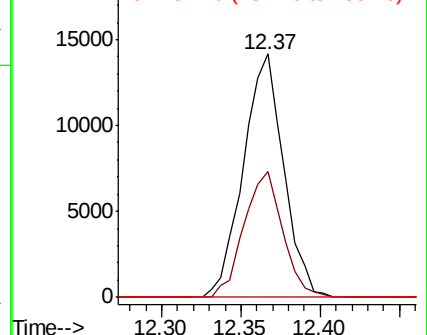
173 100

175 49.4 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: VD064582.D

Acq: 24 Dec 2019 10:51

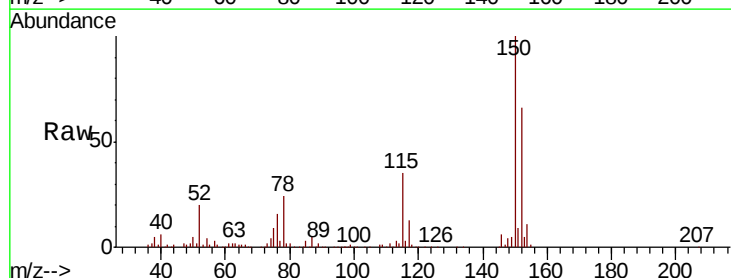
Tgt Ion:152 Resp: 269886

Ion Ratio Lower Upper

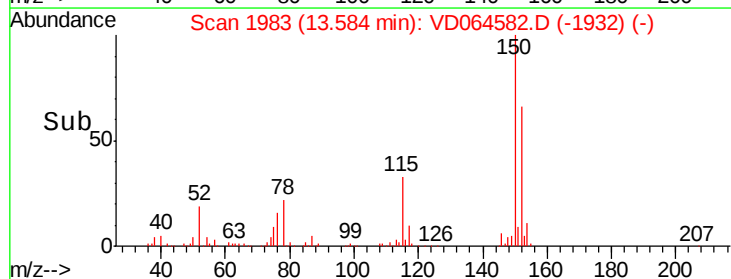
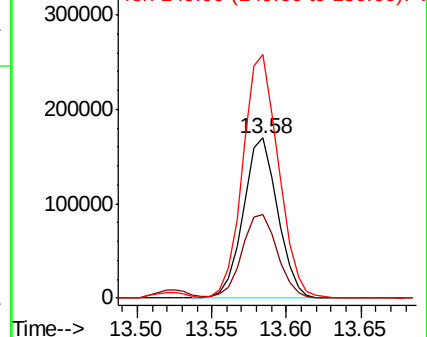
152 100

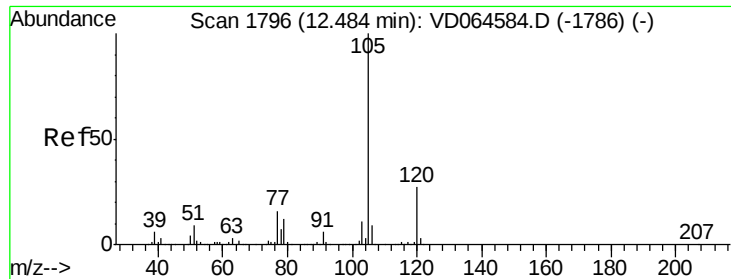
115 54.4 27.8 83.4

150 158.1 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: 10.149 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

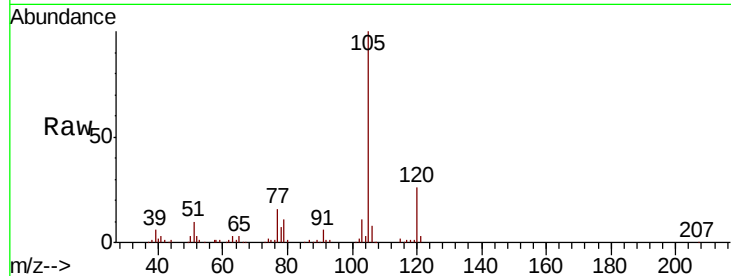
ClientSampleId :

Tot Ion:105 Resp: 197574

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

100000

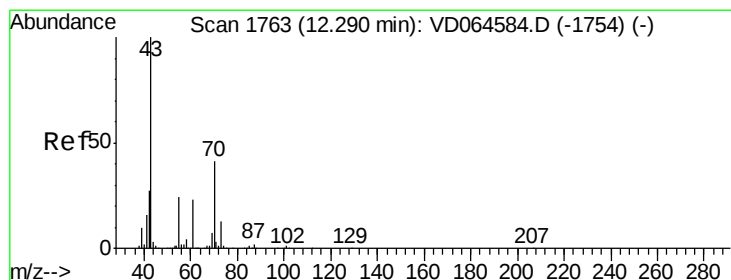
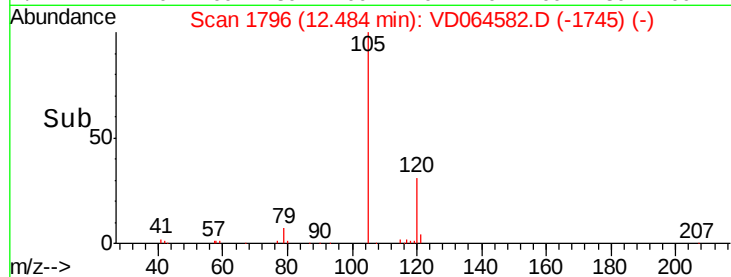
50000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 9.708 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Tgt Ion: 43 Resp: 42385

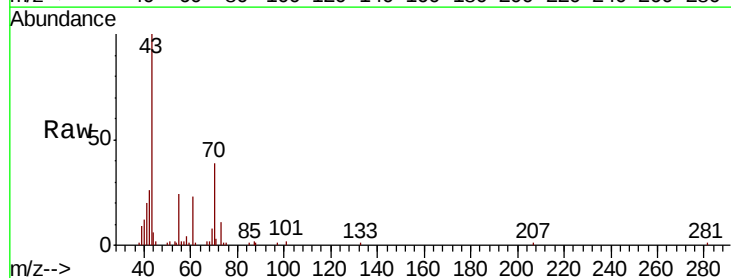
Ion Ratio Lower Upper

43 100

70 39.5 33.4 50.0

55 26.4 19.4 29.0

61 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

20000

10000

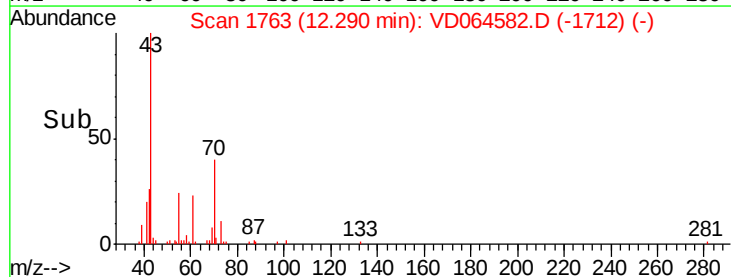
0

Time-->

12.20

12.30

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 10.263 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampled :

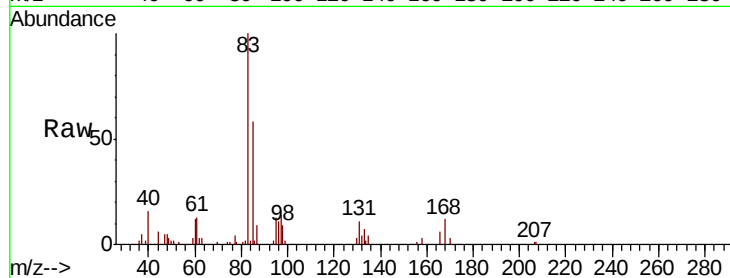
Tot Ion: 83 Resp: 32648

Ion Ratio Lower Upper

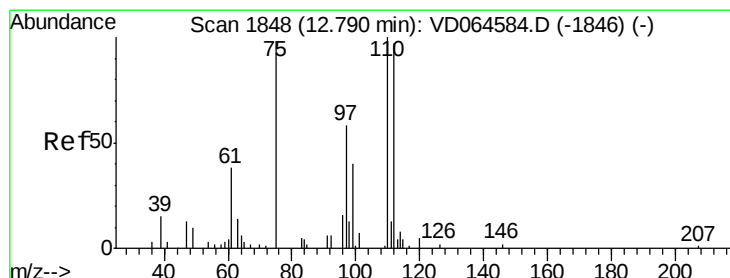
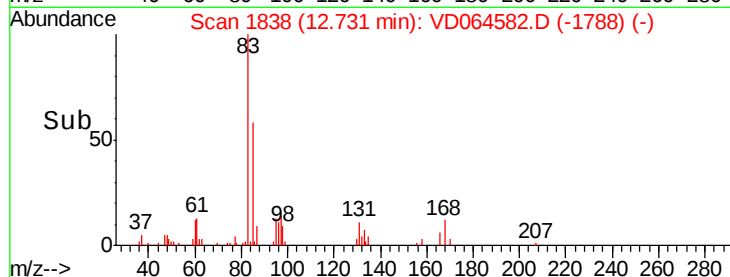
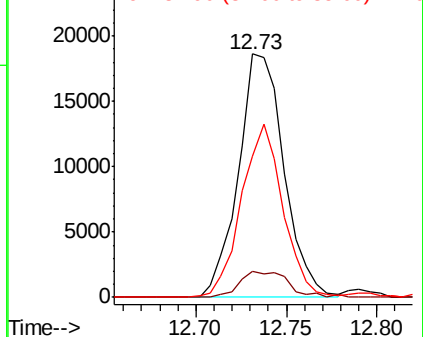
83 100

131 11.3 5.8 17.4

85 64.7 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: 19.954 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064582.D

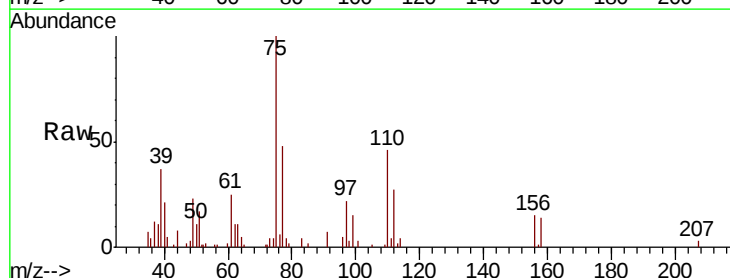
Acq: 24 Dec 2019 10:51

Tgt Ion: 75 Resp: 43403

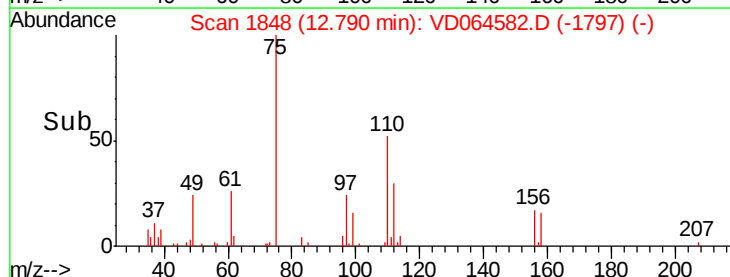
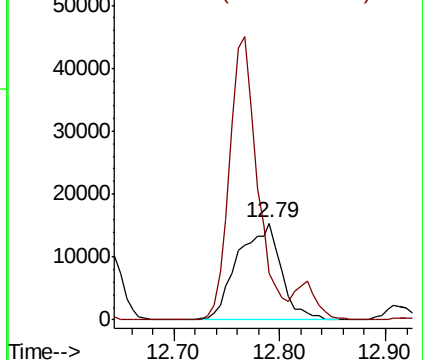
Ion Ratio Lower Upper

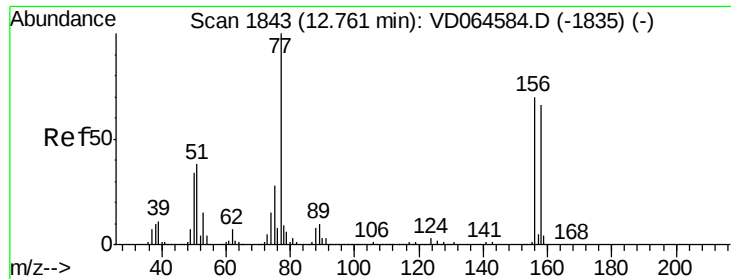
75 100

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: 10.541 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampled :

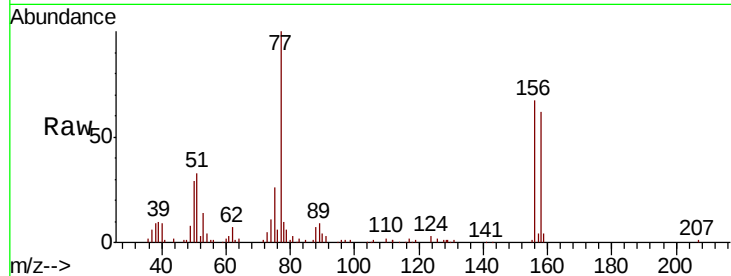
Tot Ion:156 Resp: 50445

Ion Ratio Lower Upper

156 100

77 164.0 80.9 242.7

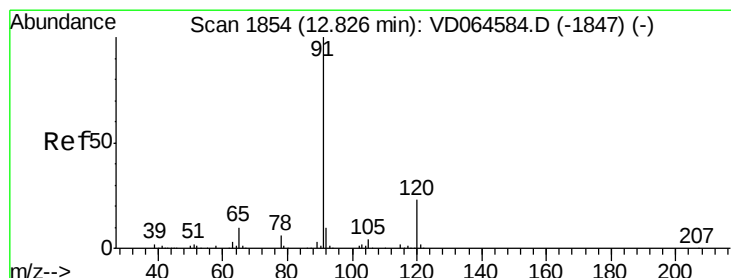
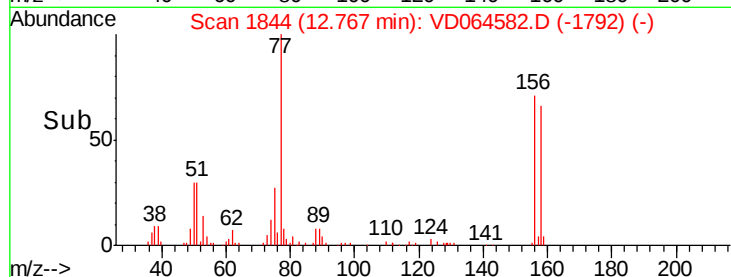
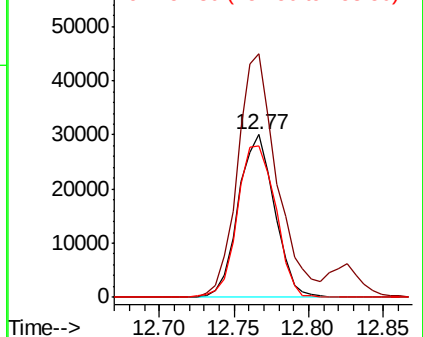
158 98.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.463 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064582.D

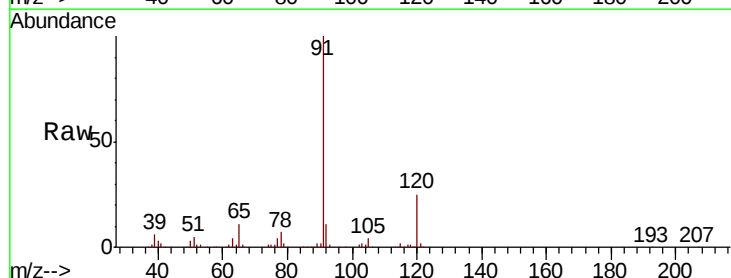
Acq: 24 Dec 2019 10:51

Tgt Ion: 91 Resp: 235164

Ion Ratio Lower Upper

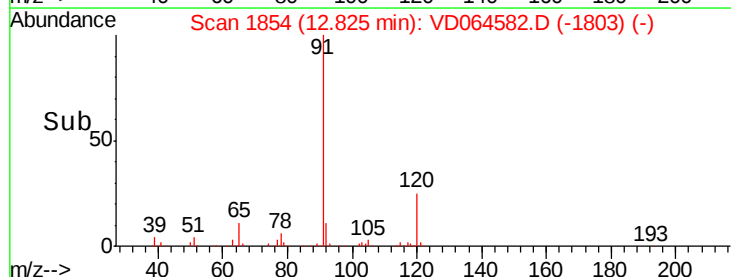
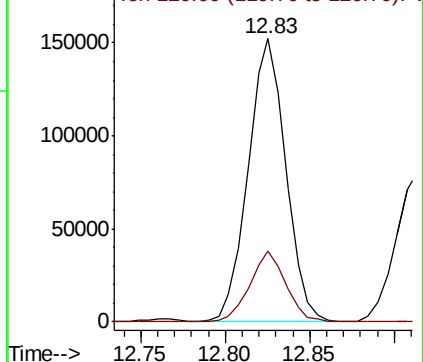
91 100

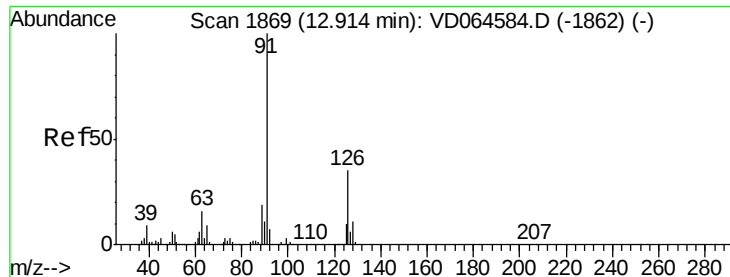
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.476 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

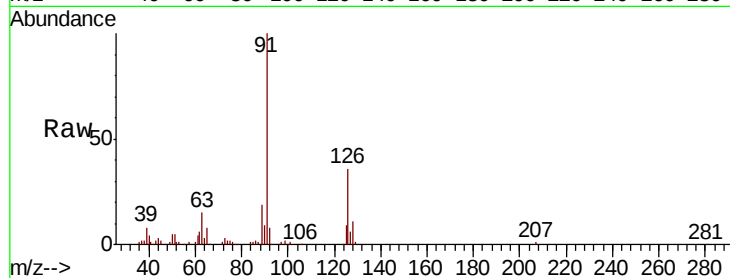
ClientSampleId :

Tot Ion: 91 Resp: 129317

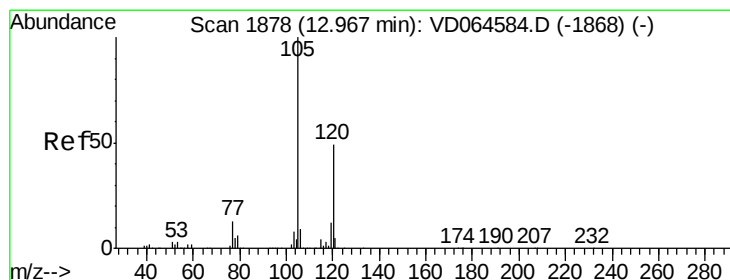
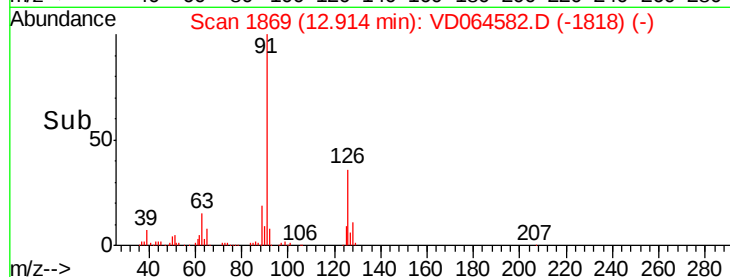
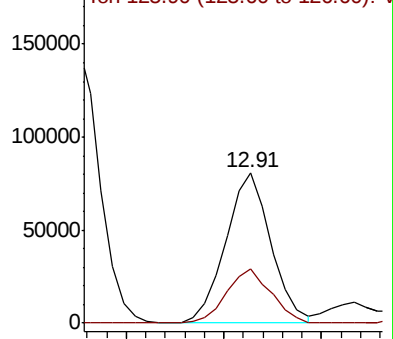
Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064582.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.271 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064582.D

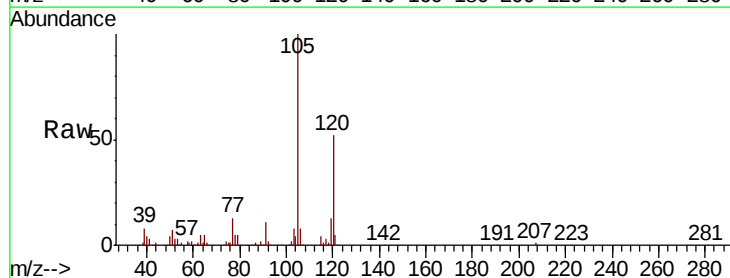
Acq: 24 Dec 2019 10:51

Tgt Ion:105 Resp: 163404

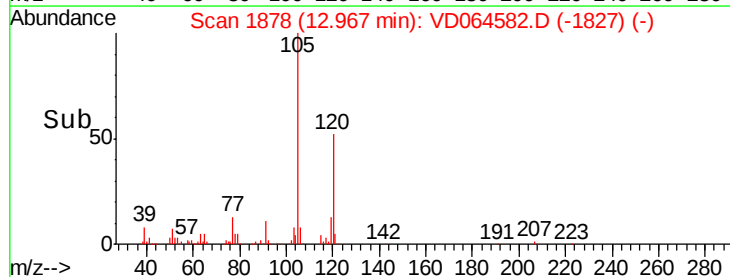
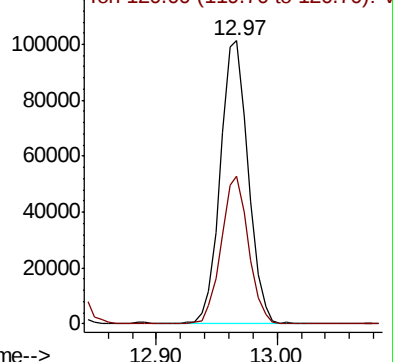
Ion Ratio Lower Upper

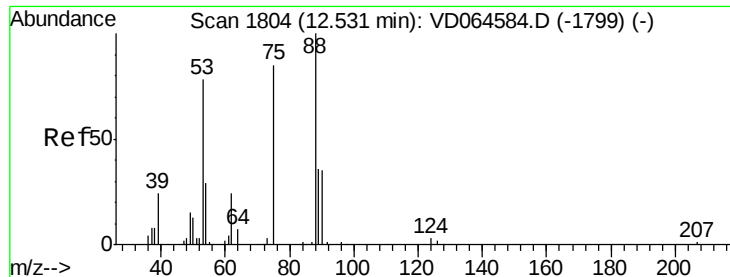
105 100

120 50.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064582.D (-1868) (-)

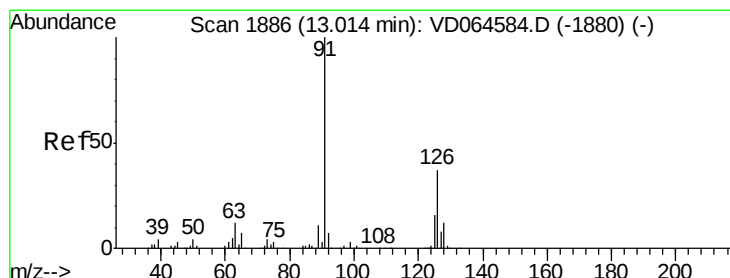
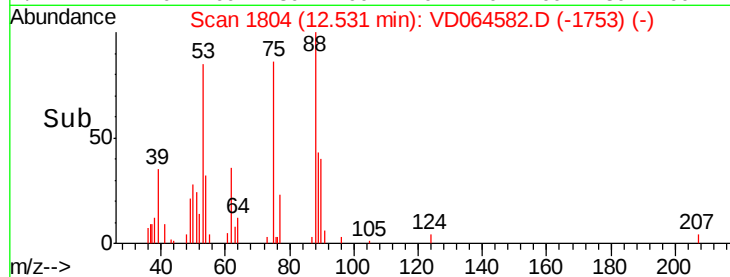
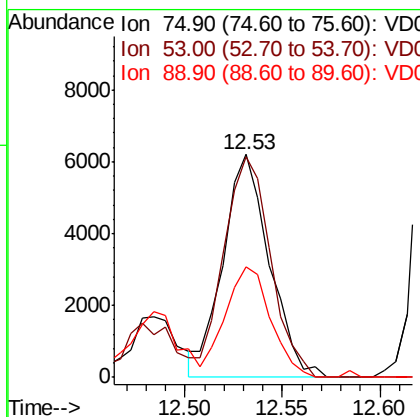
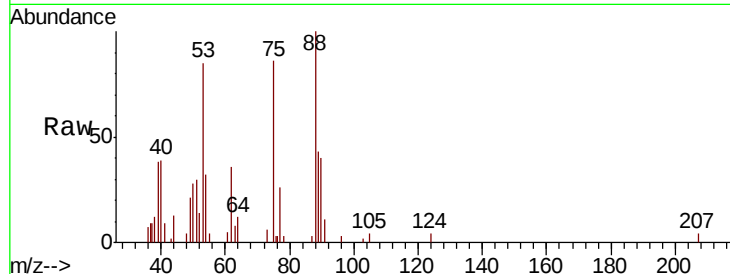




#81
trans-1,4-Dichloro-2-butene
Concen: 10.062 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

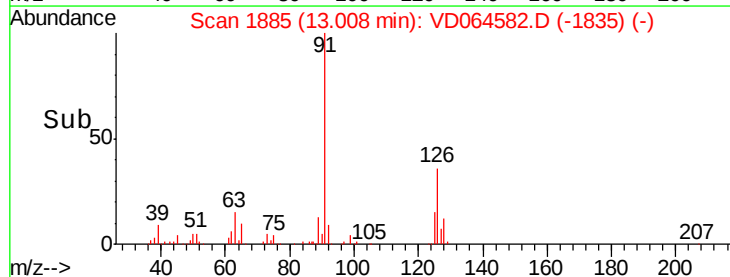
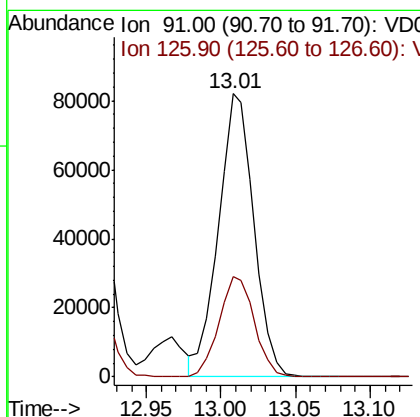
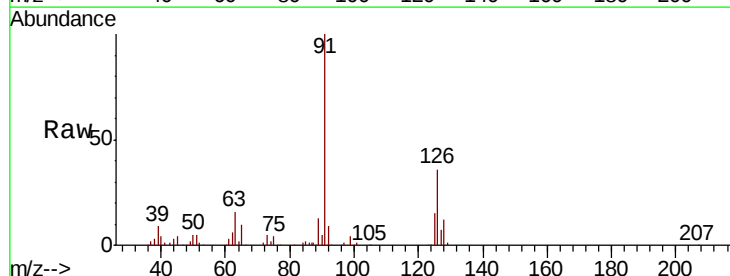
Instrument :
MSVOA_D
ClientSampled :

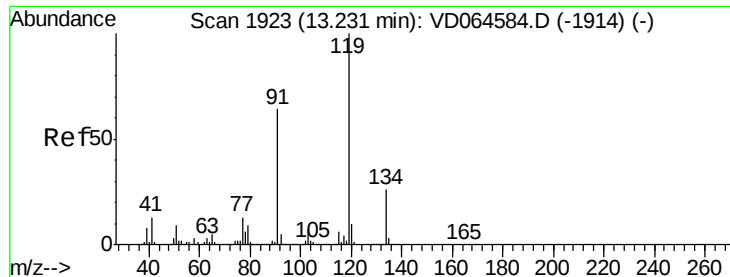
Tot Ion: 75 Resp: 10238
Ion Ratio Lower Upper
75 100
53 98.2 78.8 118.2
89 48.4 38.3 57.5



#82
4-Chlorotoluene
Concen: 10.366 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 91 Resp: 135714
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.5

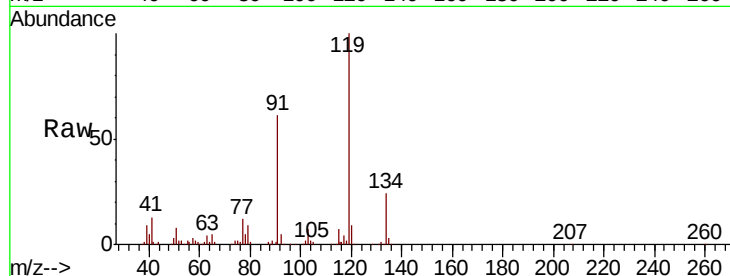




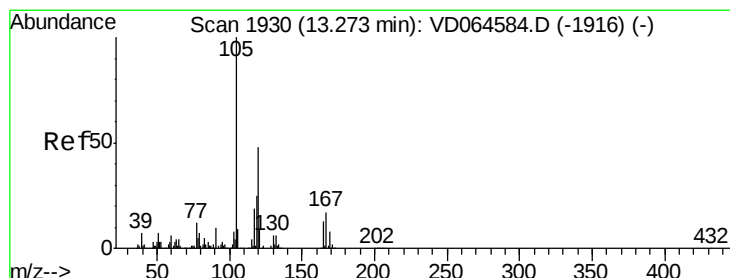
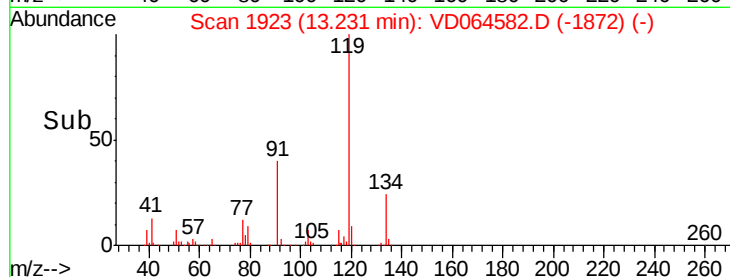
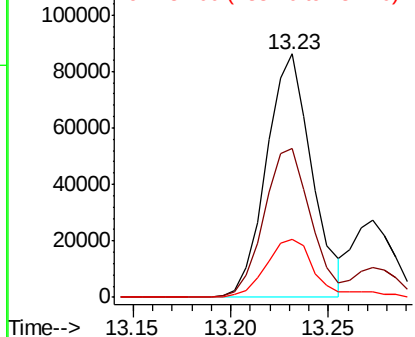
#83
tert-Butylbenzene
Concen: 10.055 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.8	92.4
134	26.4	12.8	38.3

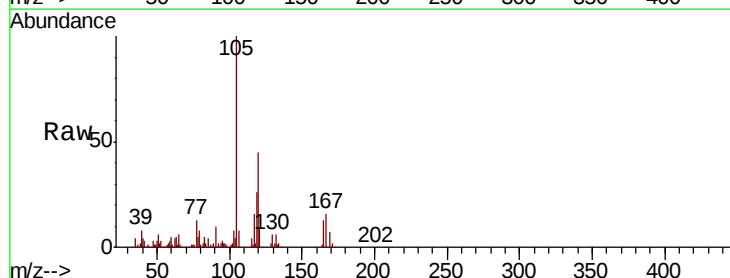


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

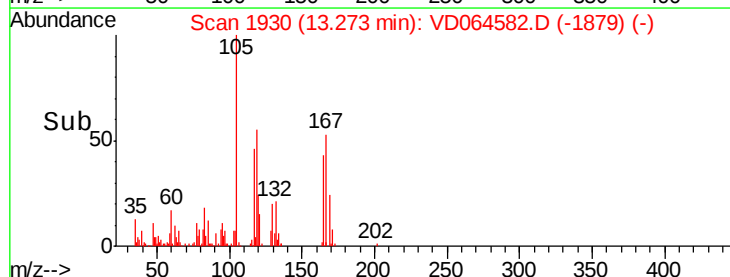
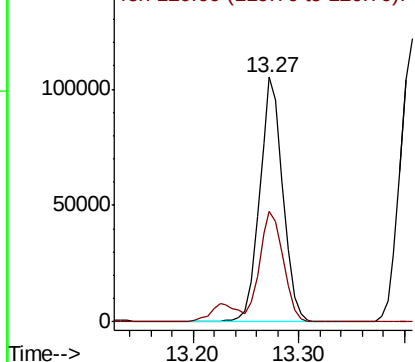


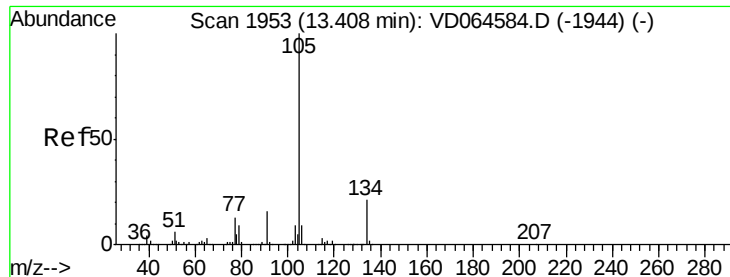
#84
1,2,4-Trimethylbenzene
Concen: 10.071 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.8	71.2



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





#85

sec-Butylbenzene

Concen: 10.315 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

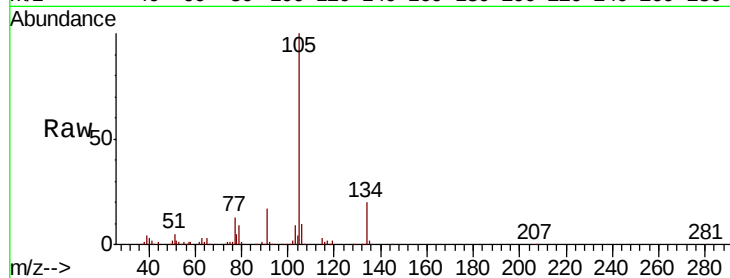
ClientSampled :

Tot Ion:105 Resp: 195619

Ion Ratio Lower Upper

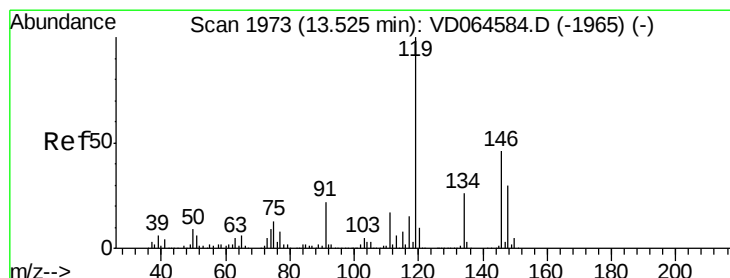
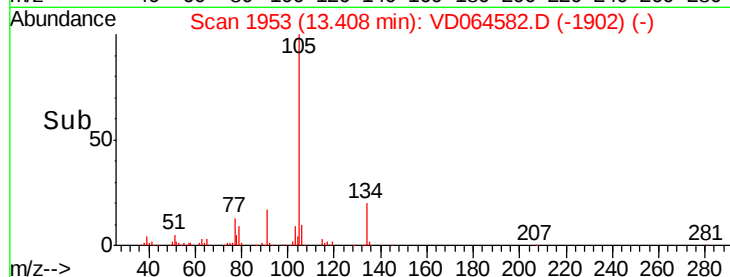
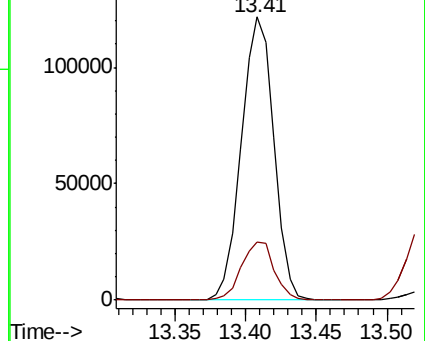
105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.236 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

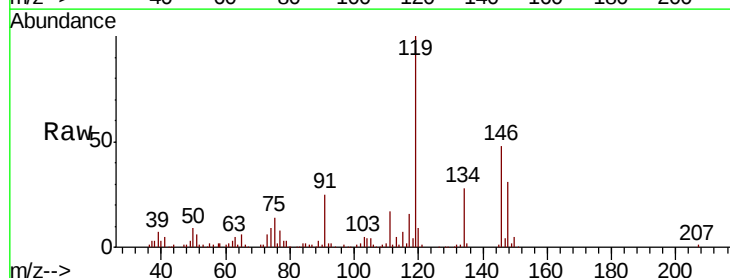
Tgt Ion:119 Resp: 184056

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

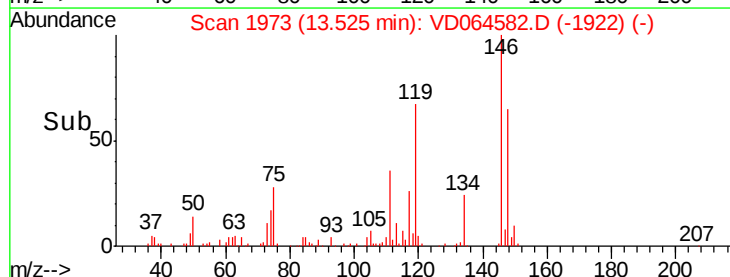
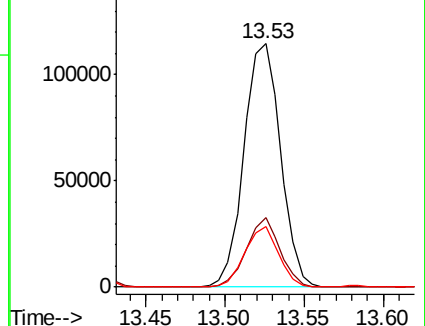
91 23.0 11.2 33.6

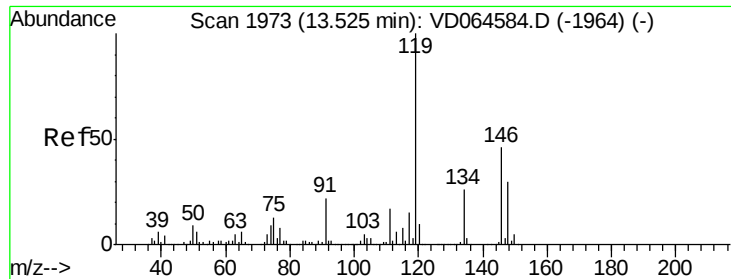


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 10.147 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

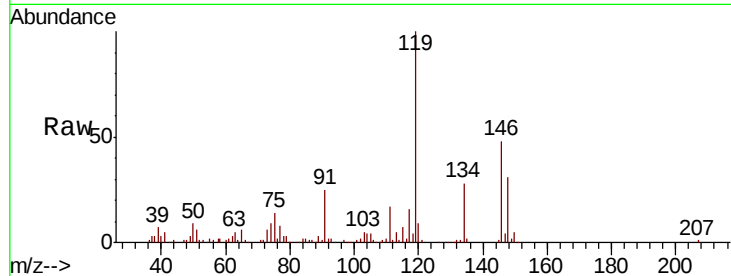
Tot Ion:146 Resp: 92368

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.4

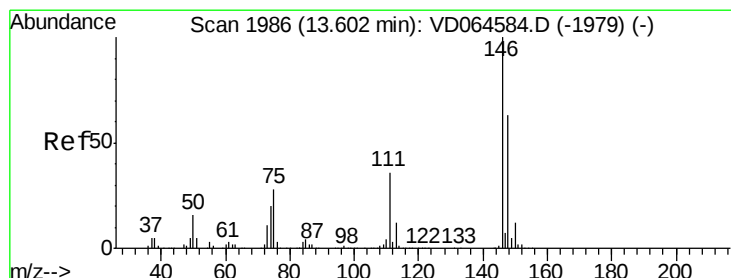
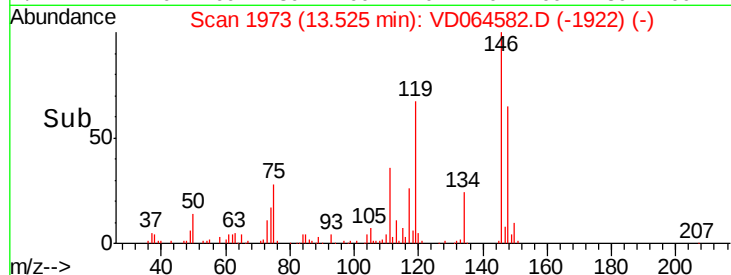
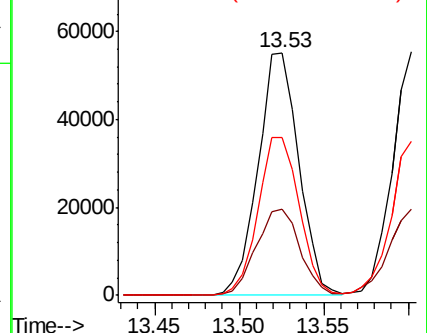
148 65.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.121 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

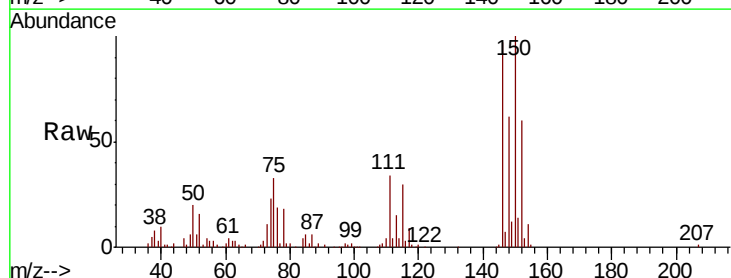
Tgt Ion:146 Resp: 91006

Ion Ratio Lower Upper

146 100

111 39.1 18.1 54.1

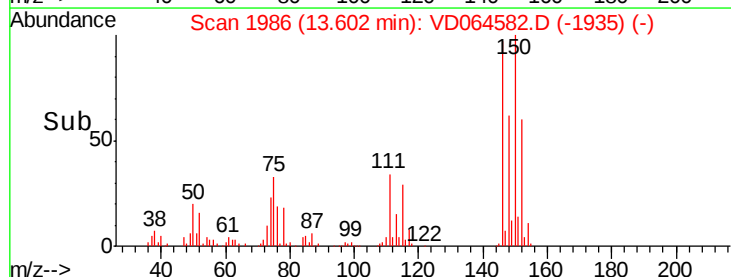
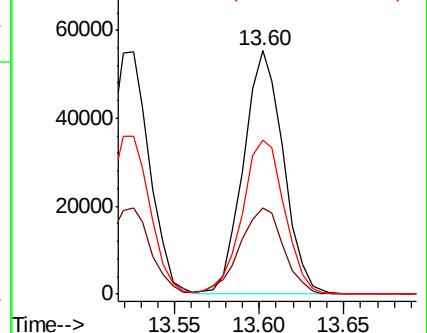
148 67.2 32.3 96.9

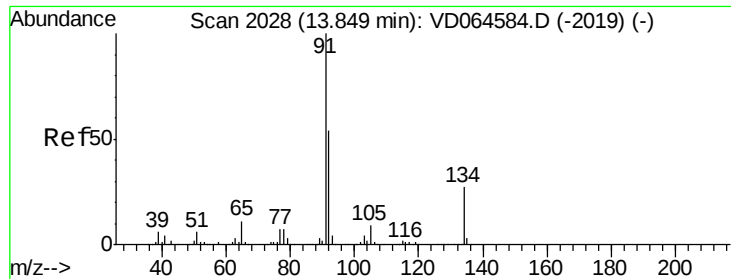


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

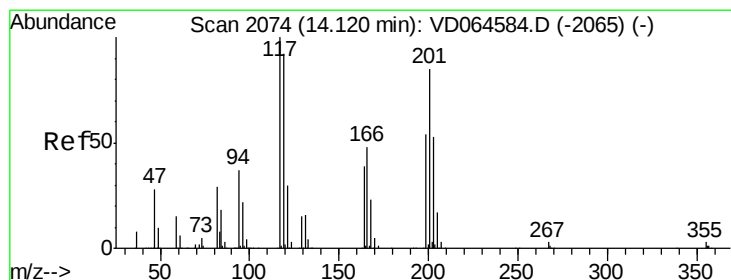
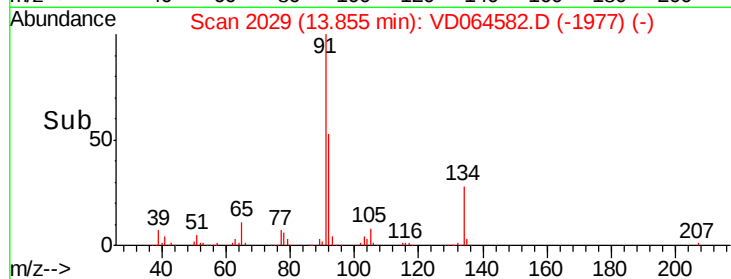
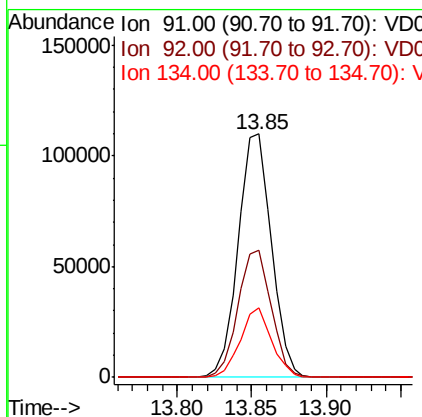
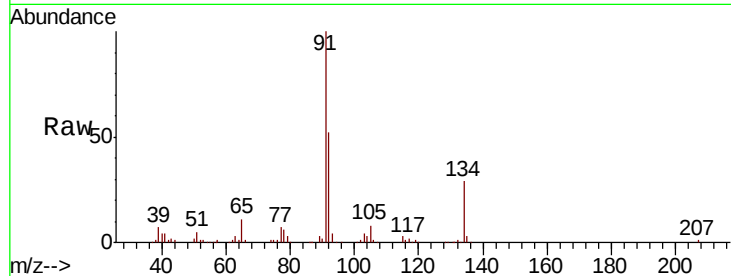




#89
n-Butylbenzene
Concen: 10.429 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

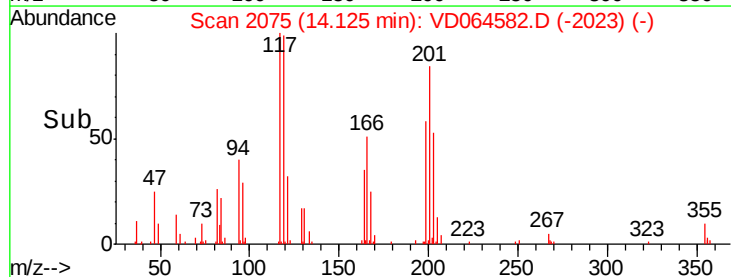
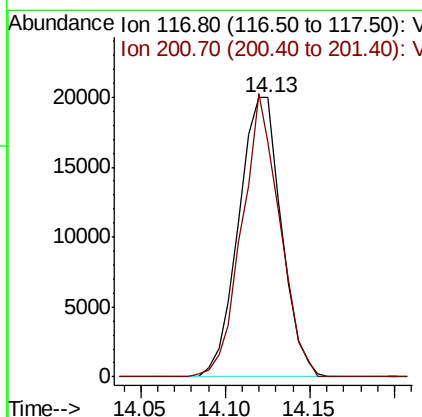
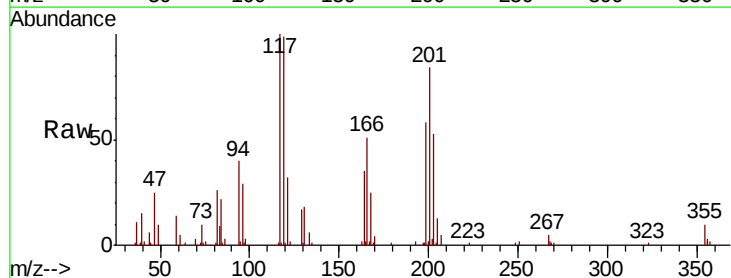
Instrument :
MSVOA_D
ClientSampled :

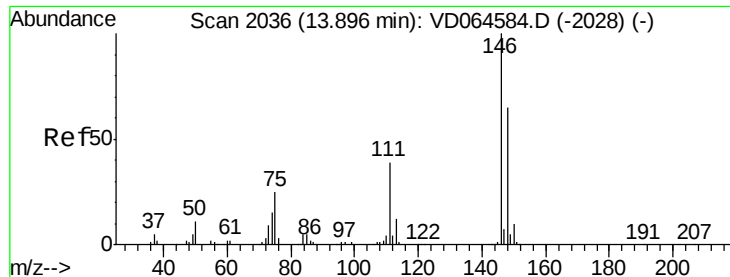
Tot Ion: 91 Resp: 169712
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 10.450 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion: 117 Resp: 35178
Ion Ratio Lower Upper
117 100
201 89.4 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 10.306 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

Instrument :

MSVOA_D

ClientSampleId :

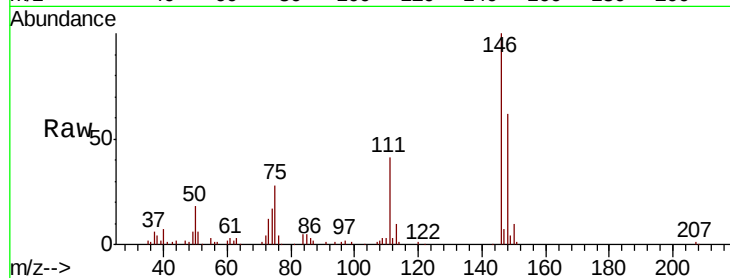
Tot Ion:146 Resp: 79966

Ion Ratio Lower Upper

146 100

111 40.2 19.3 57.9

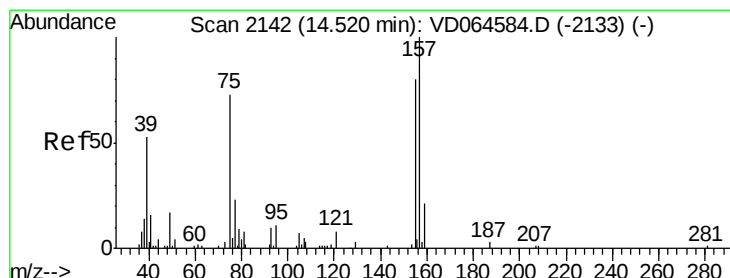
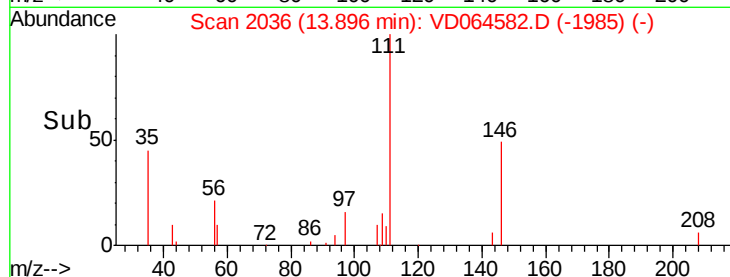
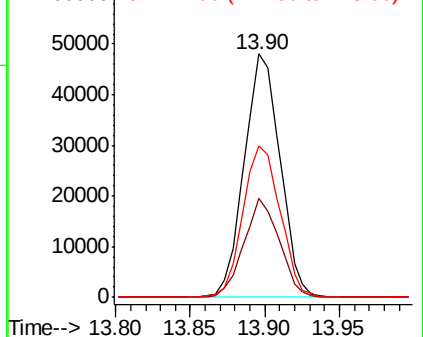
148 64.4 31.9 95.5



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: 10.194 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD064582.D

Acq: 24 Dec 2019 10:51

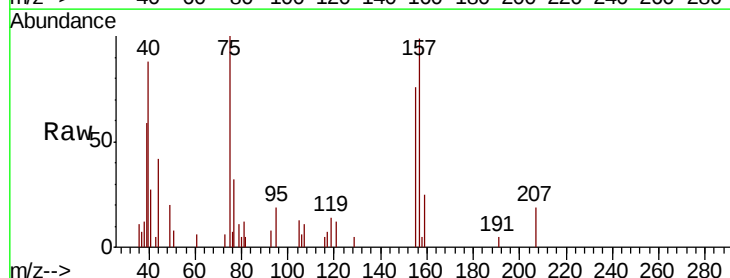
Tgt Ion: 75 Resp: 5465

Ion Ratio Lower Upper

75 100

155 90.1 48.0 144.0

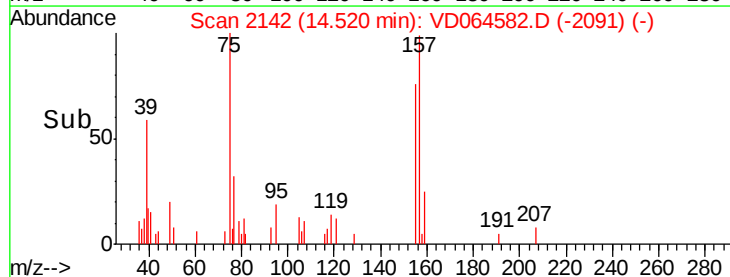
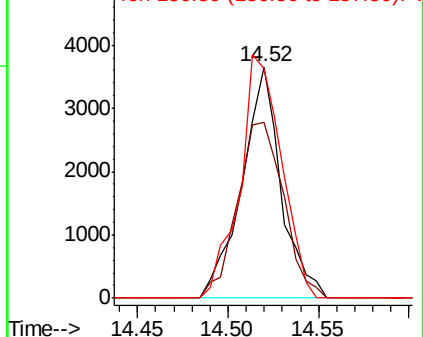
157 112.0 64.1 192.3

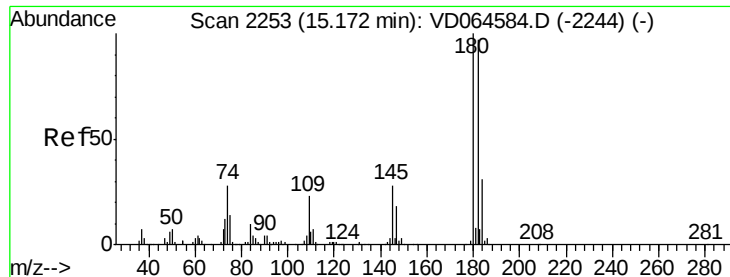


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

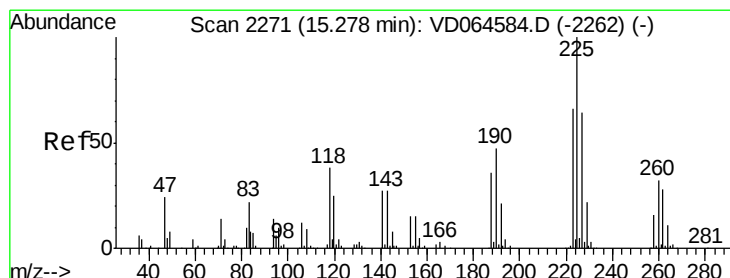
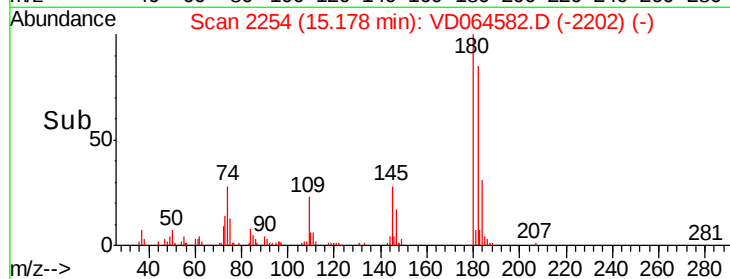
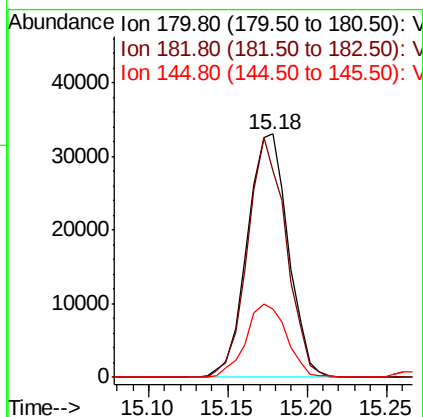
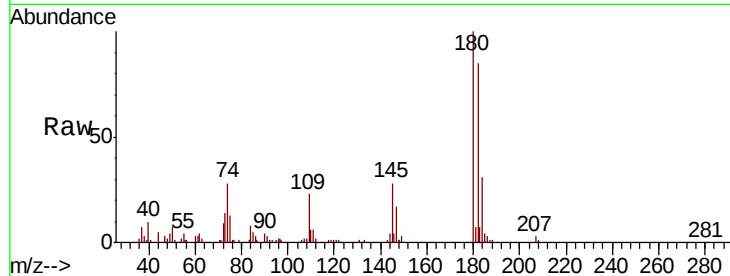




#93
 1,2,4-Trichlorobenzene
 Concen: 9.994 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

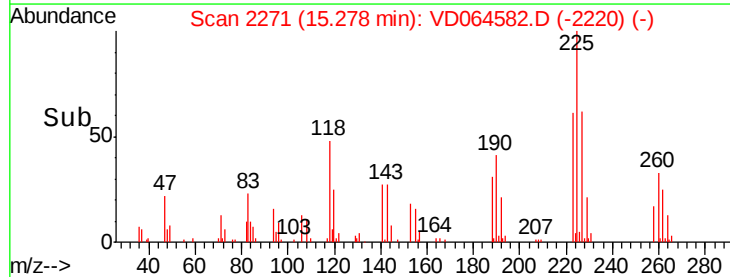
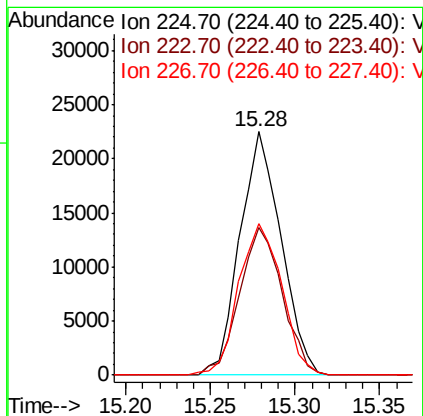
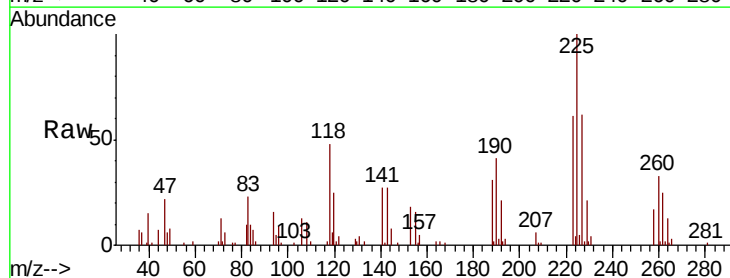
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 59247
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.0 144.2
 145 30.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 10.478 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064582.D
 Acq: 24 Dec 2019 10:51

Tgt Ion:225 Resp: 38248
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 64.9 30.9 92.7

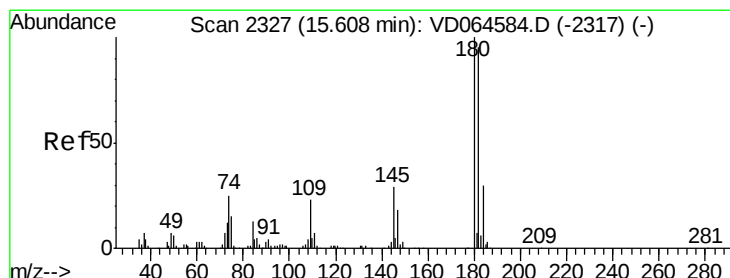
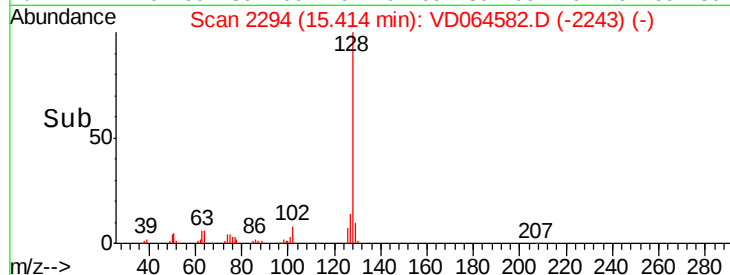
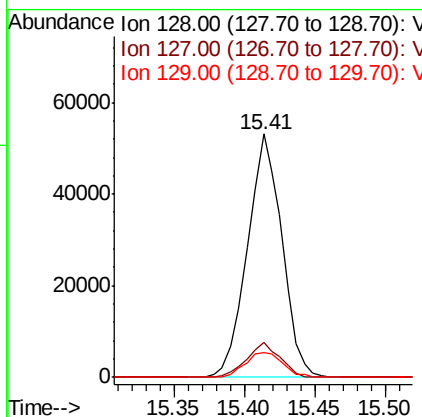
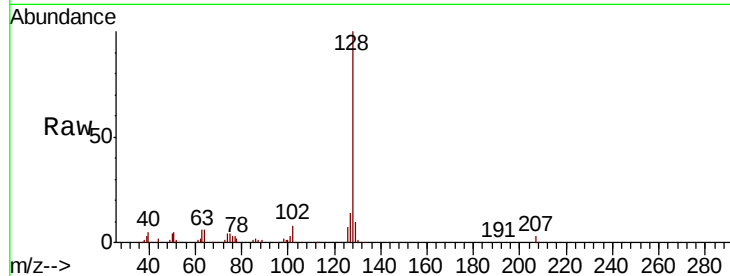




#95
Naphthalene
Concen: 9.272 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.8	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 10.271 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064582.D
Acq: 24 Dec 2019 10:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	29.9	14.9	44.7

