

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064484.D
 Acq On : 10 Dec 2019 11:43
 Operator : VA/SY
 Sample : VD1210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	603025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200551	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.91	113	209236	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.34	98	800329	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.64	95	249601	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94417	22.274	ug/l	98
3) Chloromethane	2.21	50	118073	22.084	ug/l	99
4) Vinyl Chloride	2.35	62	138643	22.459	ug/l	100
5) Bromomethane	2.76	94	93666	20.518	ug/l	99
6) Chloroethane	2.92	64	94917	23.004	ug/l	97
7) Trichlorofluoromethane	3.27	101	233809	22.783	ug/l	100
8) Diethyl Ether	3.70	74	43978	20.623	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100628	22.869	ug/l	95
10) Methyl Iodide	4.29	142	97369	20.954	ug/l	100
11) Tert butyl alcohol	5.25	59	25818	95.783	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	93658	22.211	ug/l	98
13) Acrolein	3.93	56	29807	81.073	ug/l	99
14) Allyl chloride	4.70	41	144676	21.985	ug/l	99
15) Acrylonitrile	5.43	53	90961	97.543	ug/l	97
16) Acetone	4.17	43	84735	99.024	ug/l	97
17) Carbon Disulfide	4.40	76	298509	22.352	ug/l	100
18) Methyl Acetate	4.73	43	46349	18.569	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	193414	19.996	ug/l	99
20) Methylene Chloride	4.96	84	104761	21.566	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	106191	22.263	ug/l	96
22) Diisopropyl ether	6.36	45	270506	20.822	ug/l	96
23) Vinyl Acetate	6.31	43	772772	100.900	ug/l	99
24) 1,1-Dichloroethane	6.26	63	172930	22.134	ug/l	98
25) 2-Butanone	7.22	43	112696	93.126	ug/l	99
26) 2,2-Dichloropropane	7.20	77	156158	22.983	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112194	21.575	ug/l	97
28) Bromochloromethane	7.54	49	42184	15.799	ug/l	99
29) Tetrahydrofuran	7.57	42	72599	94.294	ug/l	97
30) Chloroform	7.71	83	175988	21.750	ug/l	100
31) Cyclohexane	7.98	56	171513	22.634	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	166637	22.214	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141849	22.069	ug/l	99
37) Ethyl Acetate	7.30	43	53345	19.559	ug/l	100
38) Carbon Tetrachloride	8.10	117	154767	22.814	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	173254	21.730	ug/l	99
40) Benzene	8.35	78	393817	22.060	ug/l	97
41) Methacrylonitrile	7.53	41	22676	14.498	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	107766	20.700	ug/l	99
43) Isopropyl Acetate	8.46	43	103791	19.355	ug/l	97
44) Trichloroethene	9.11	130	116281	21.623	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95145	22.285	ug/l	96
46) Dibromomethane	9.47	93	49635	20.598	ug/l	98
47) Bromodichloromethane	9.66	83	135296	21.851	ug/l	98
48) Methyl methacrylate	9.46	41	48428	19.735	ug/l	96
49) 1,4-Dioxane	9.46	88	10531	353.910	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	251976	94.966	ug/l	100
52) Toluene	10.40	92	252835	21.732	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	123057	20.854	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147517	21.044	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66444	20.137	ug/l	97
56) Ethyl methacrylate	10.66	69	79856	18.975	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113991	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	157997	94.179	ug/l	100
59) 2-Hexanone	10.98	43	170837	92.790	ug/l	99
60) Dibromochloromethane	11.14	129	88069	19.686	ug/l	94
61) 1,2-Dibromoethane	11.25	107	64600	19.609	ug/l	98
64) Tetrachloroethene	10.88	164	99206	21.573	ug/l	95
65) Chlorobenzene	11.67	112	267787	21.292	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	99980	21.474	ug/l	99
67) Ethyl Benzene	11.75	91	481758	21.529	ug/l	98
68) m/p-Xylenes	11.86	106	367963	43.126	ug/l	100
69) o-Xylene	12.18	106	168068	21.328	ug/l	100
70) Styrene	12.20	104	286059	20.890	ug/l	99
71) Bromoform	12.37	173	54481	19.558	ug/l #	95
73) Isopropylbenzene	12.48	105	464172	21.951	ug/l	99
74) N-amyl acetate	12.29	43	92219	19.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	68036	19.456	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	89084	36.844	ug/l #	100
77) Bromobenzene	12.77	156	110110	21.086	ug/l	99
78) n-propylbenzene	12.83	91	538380	22.066	ug/l	100
79) 2-Chlorotoluene	12.91	91	294617	21.945	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	377062	21.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22525	20.314	ug/l	97
82) 4-Chlorotoluene	13.01	91	305794	21.513	ug/l	99
83) tert-Butylbenzene	13.23	119	330937	22.029	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	368076	21.183	ug/l	99
85) sec-Butylbenzene	13.41	105	450592	21.853	ug/l	99
86) p-Isopropyltoluene	13.53	119	417694	21.457	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	205344	20.719	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206197	21.073	ug/l	99
89) n-Butylbenzene	13.85	91	387063	21.896	ug/l	100
90) Hexachloroethane	14.12	117	81027	22.255	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178414	21.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11348	19.002	ug/l	90

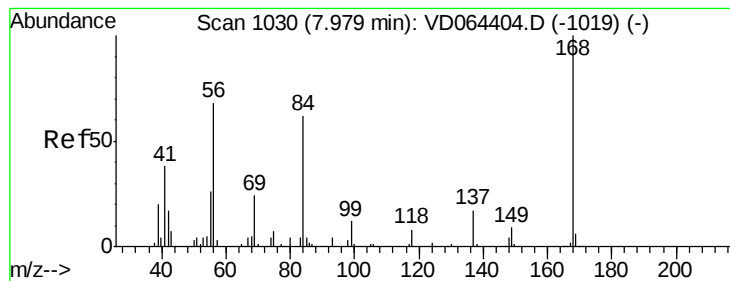
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130153	20.064	ug/l	100
94) Hexachlorobutadiene	15.28	225	86184	21.521	ug/l	98
95) Naphthalene	15.41	128	200401	18.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	112657	20.345	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

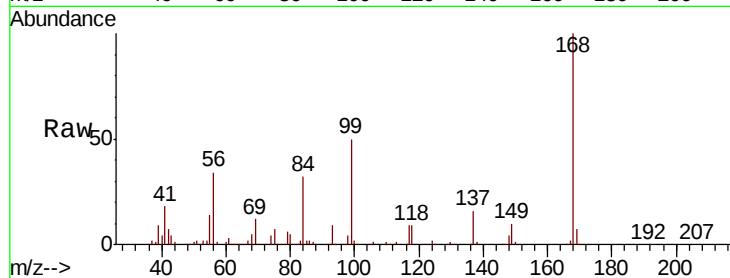
ClientSampleId :

Tot Ion:168 Resp: 467824

Ion Ratio Lower Upper

168 100

99 50.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

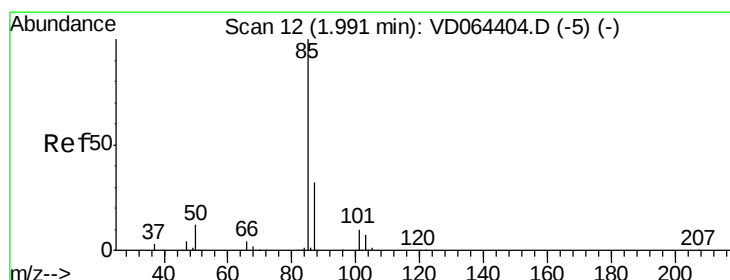
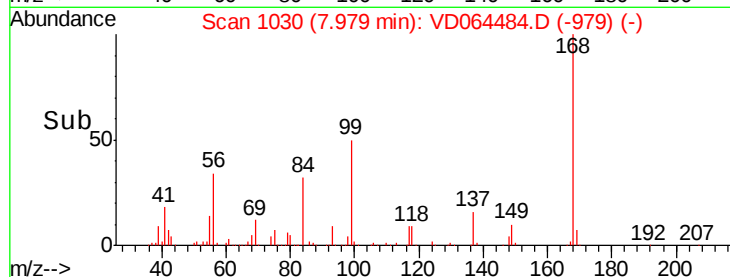
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.274 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064484.D

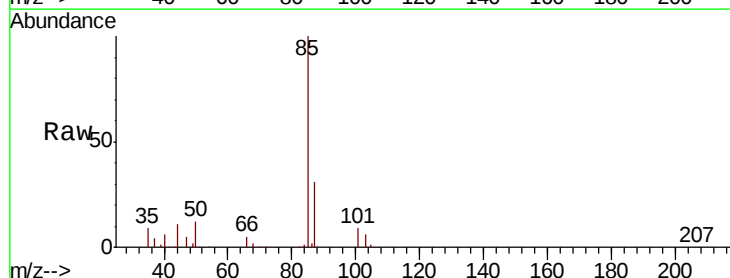
Acq: 10 Dec 2019 11:43

Tgt Ion: 85 Resp: 94417

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

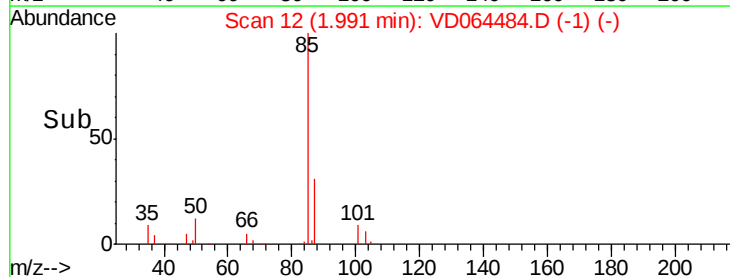
40000

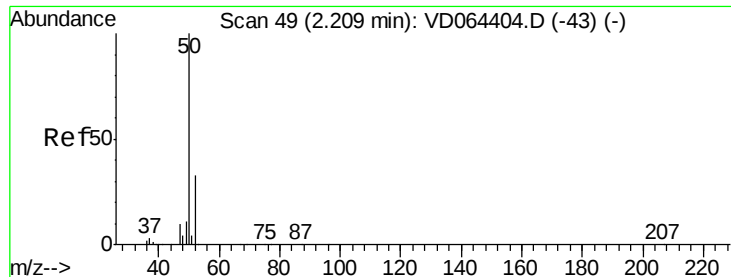
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.084 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

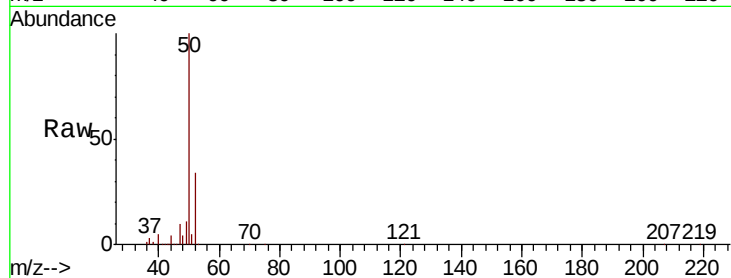
ClientSampleId :

Tot Ion: 50 Resp: 118073

Ion Ratio Lower Upper

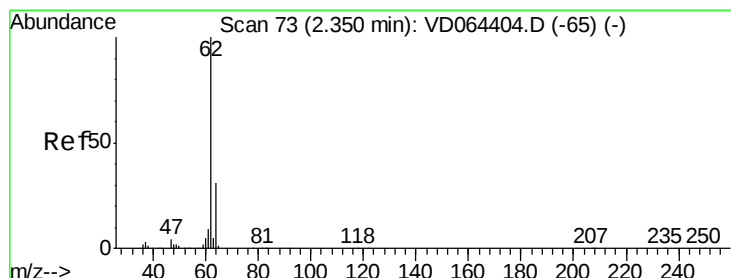
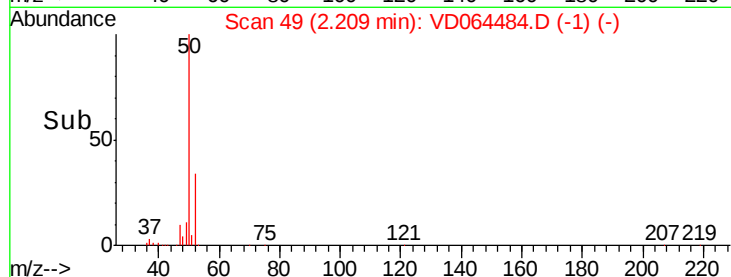
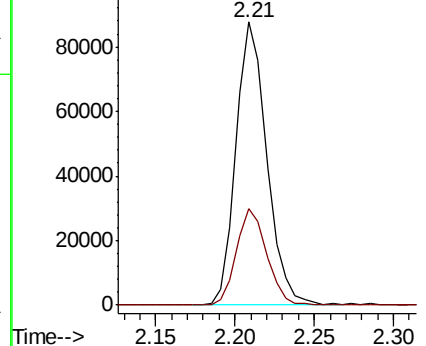
50 100

52 34.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.459 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064484.D

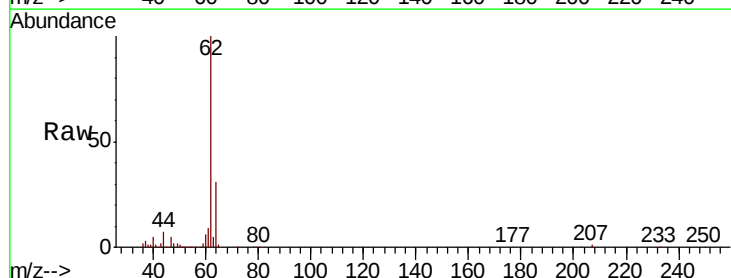
Acq: 10 Dec 2019 11:43

Tgt Ion: 62 Resp: 138643

Ion Ratio Lower Upper

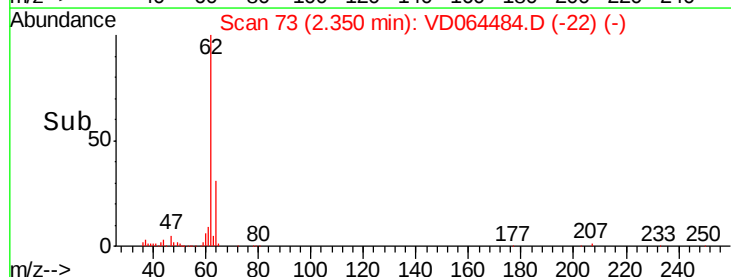
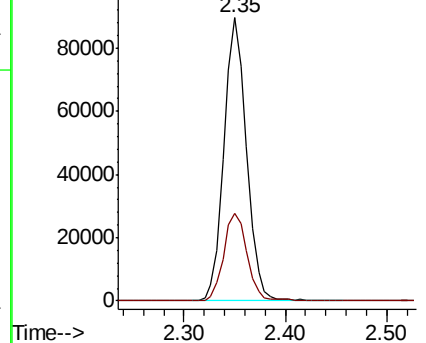
62 100

64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.518 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

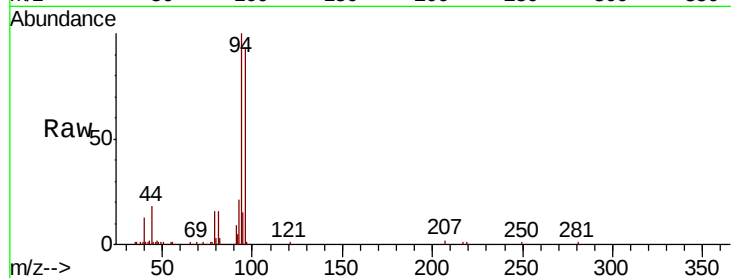
ClientSampleId :

Tot Ion: 94 Resp: 93666

Ion Ratio Lower Upper

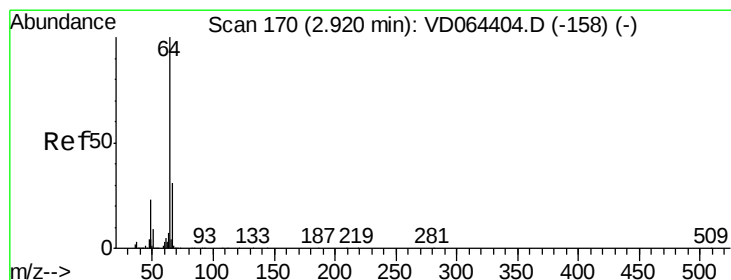
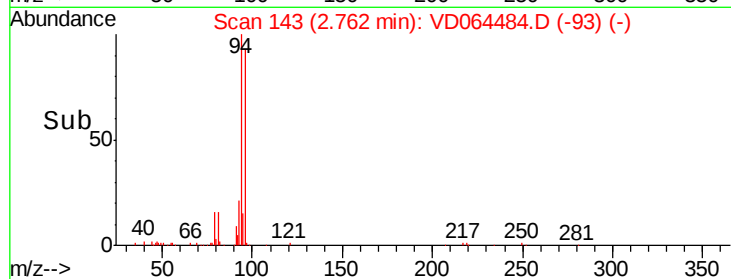
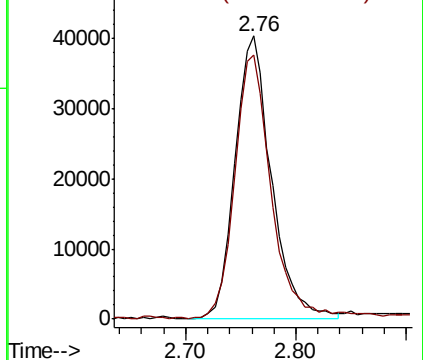
94 100

96 93.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.004 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064484.D

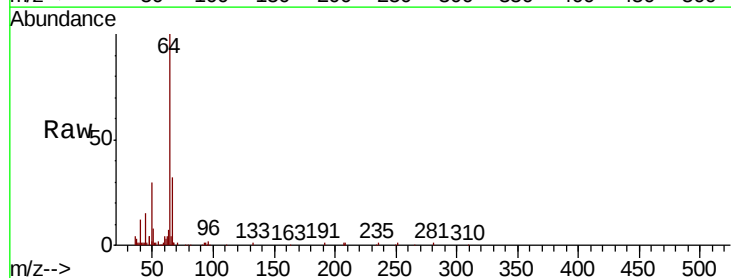
Acq: 10 Dec 2019 11:43

Tgt Ion: 64 Resp: 94917

Ion Ratio Lower Upper

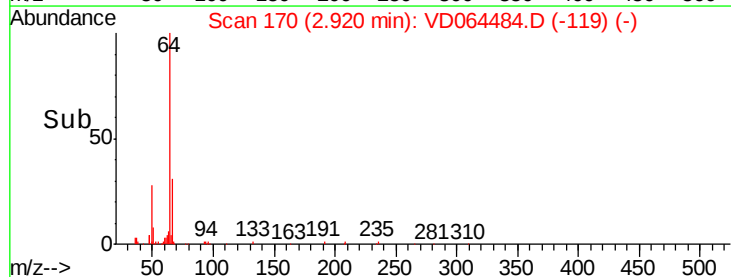
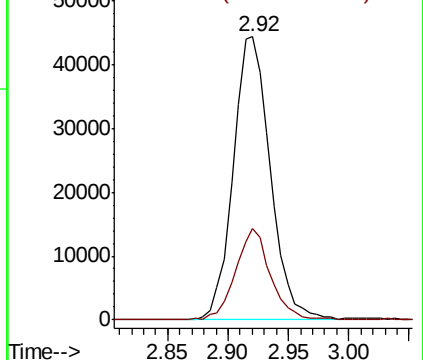
64 100

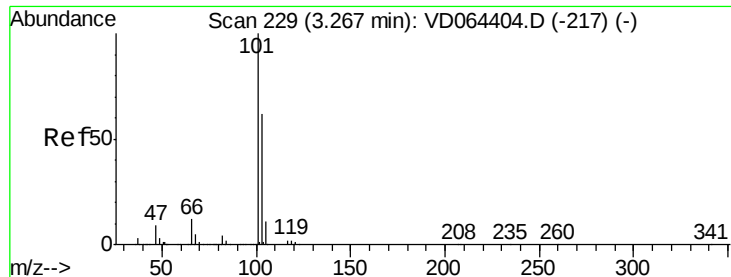
66 32.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



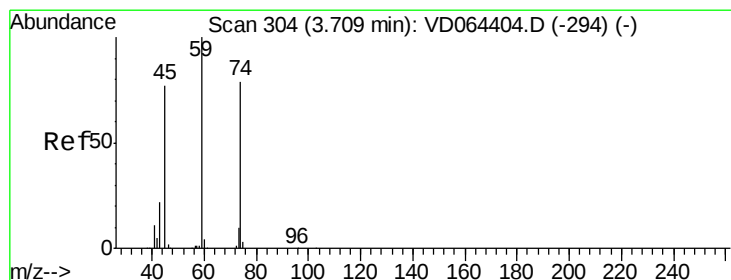
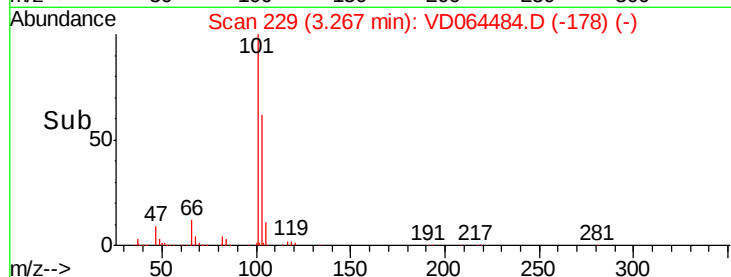
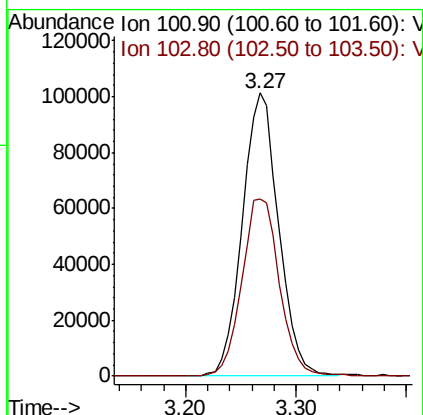
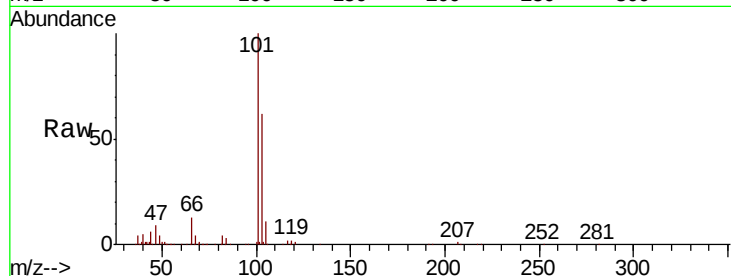


#7

Trichlorofluoromethane
 Concen: 22.783 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

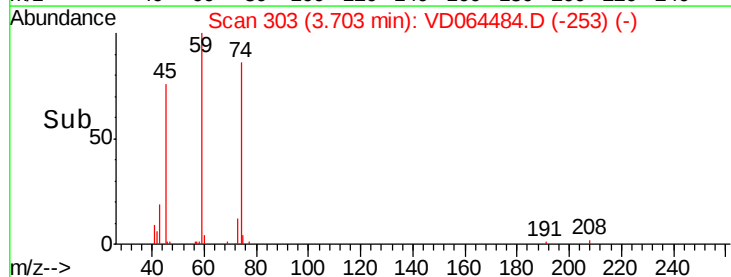
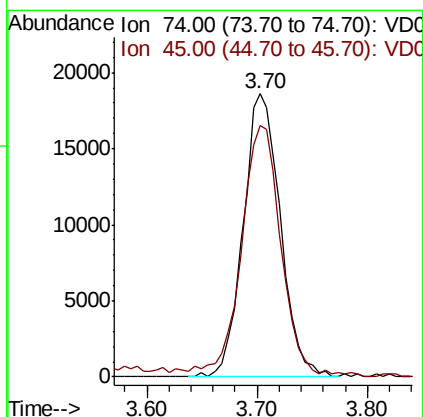
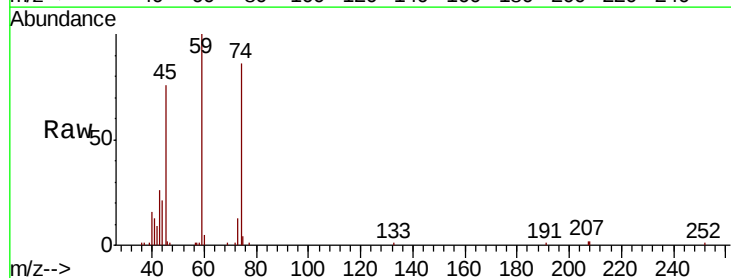
Tot Ion:101 Resp: 233809
 Ion Ratio Lower Upper
 101 100
 103 62.2 49.8 74.6

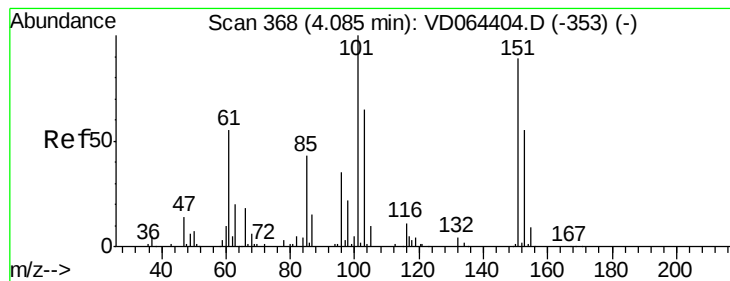


#8

Diethyl Ether
 Concen: 20.623 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 74 Resp: 43978
 Ion Ratio Lower Upper
 74 100
 45 90.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.869 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

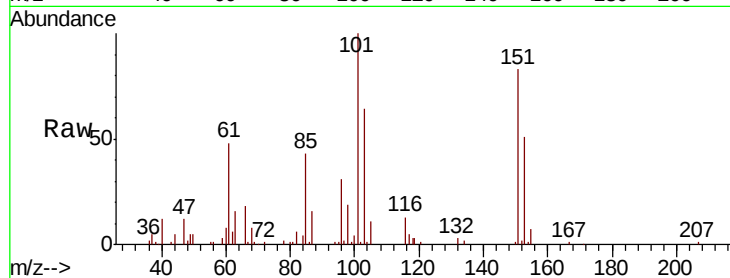
Tot Ion:101 Resp: 100628

Ion Ratio Lower Upper

101 100

85 42.5 34.8 52.2

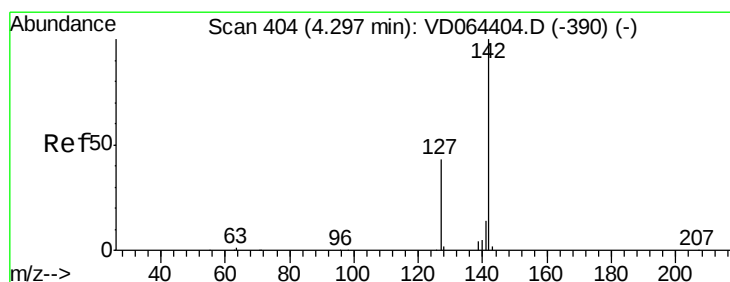
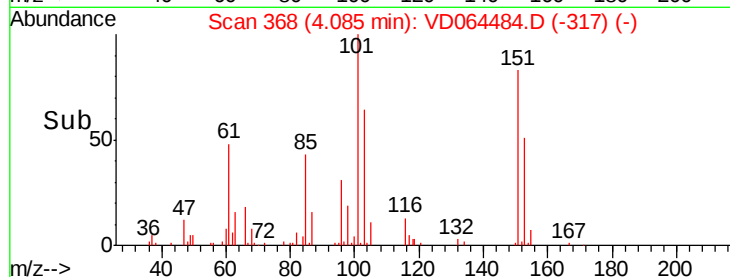
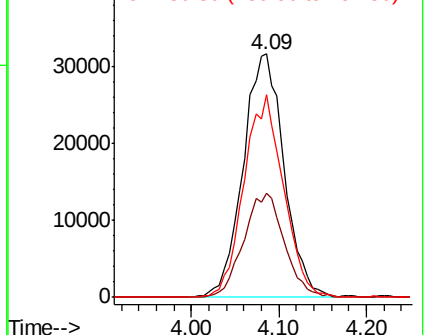
151 80.4 68.8 103.2



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: 20.954 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

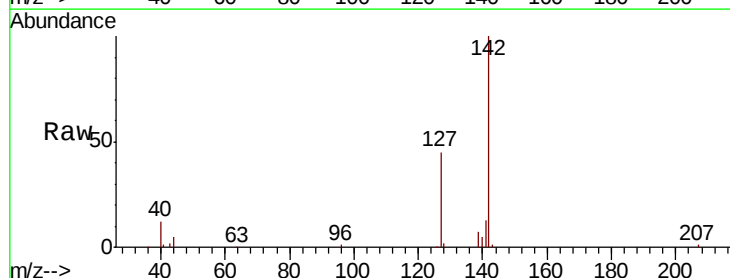
Tgt Ion:142 Resp: 97369

Ion Ratio Lower Upper

142 100

127 44.1 35.3 52.9

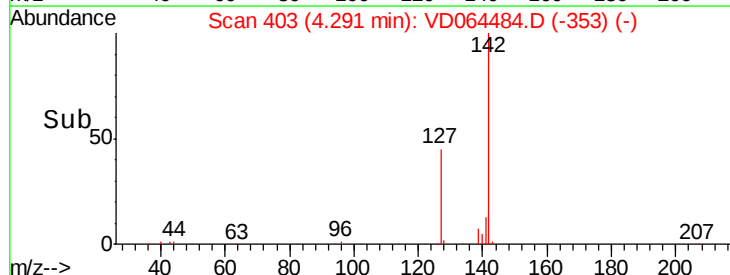
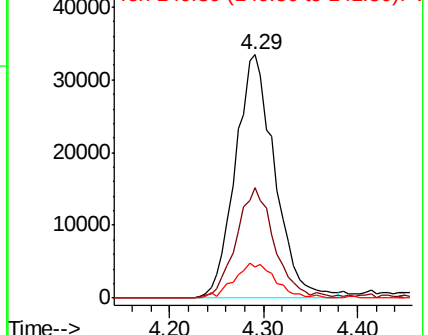
141 15.1 11.6 17.4

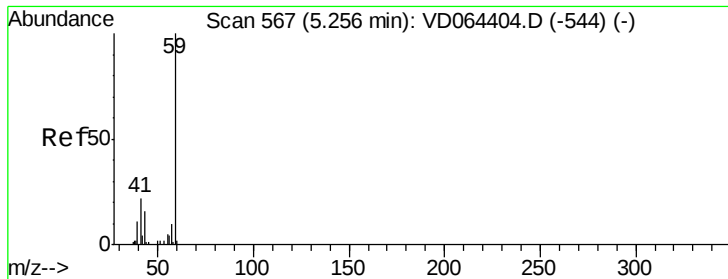


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



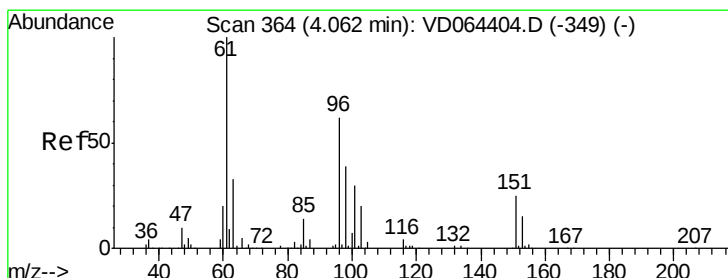
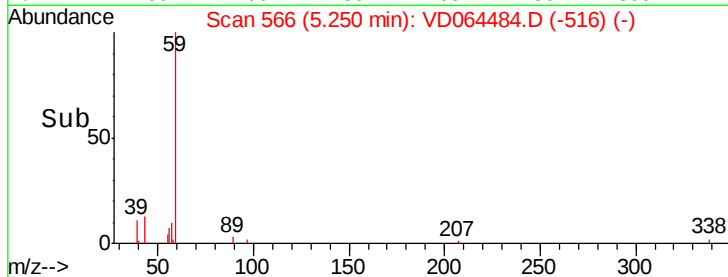
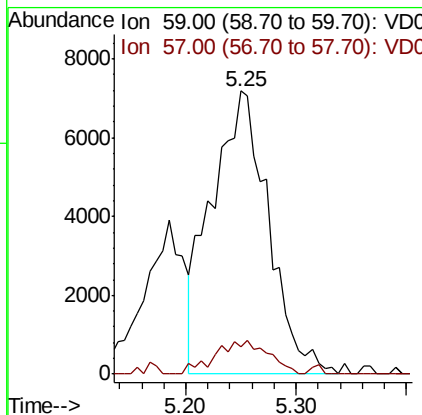
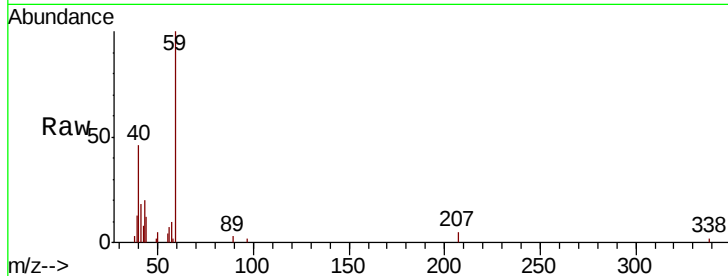


#11

Tert butyl alcohol
 Concen: 95.783 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Instrument :
 MSVOA_D
 ClientSampled :

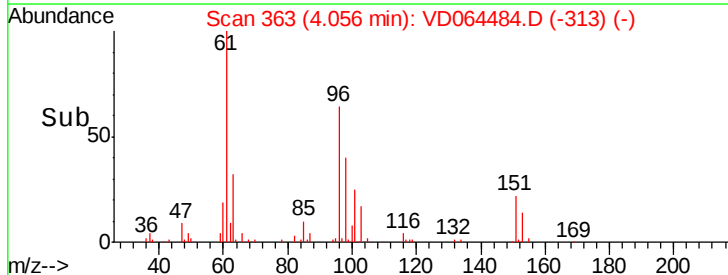
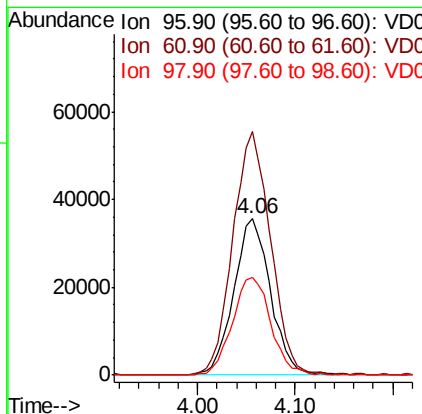
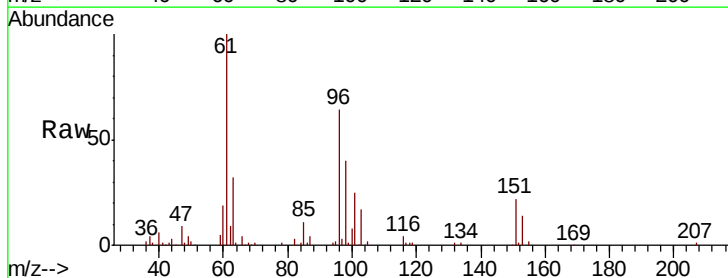
Tot Ion: 59 Resp: 25818
 Ion Ratio Lower Upper
 59 100
 57 11.1 0.0 0.0#

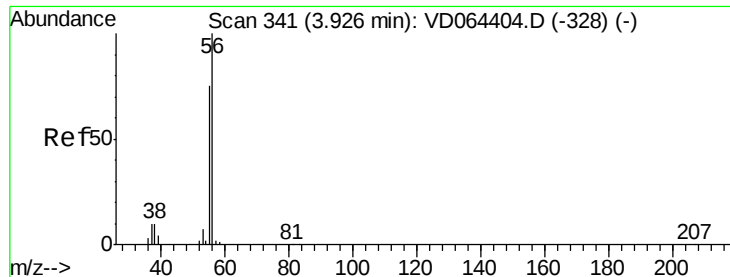


#12

1,1-Dichloroethene
 Concen: 22.211 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 96 Resp: 93658
 Ion Ratio Lower Upper
 96 100
 61 156.0 128.2 192.4
 98 62.6 50.4 75.6





#13

Acrolein

Concen: 81.073 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

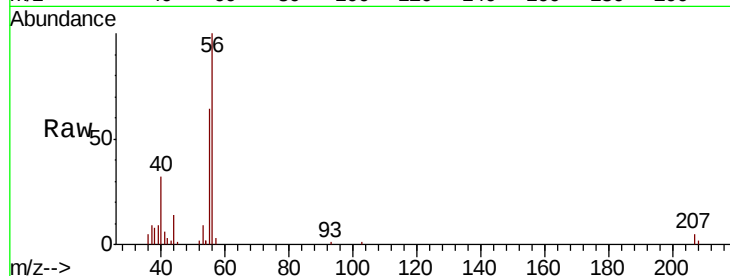
ClientSampleId :

Tot Ion: 56 Resp: 29807

Ion Ratio Lower Upper

56 100

55 70.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

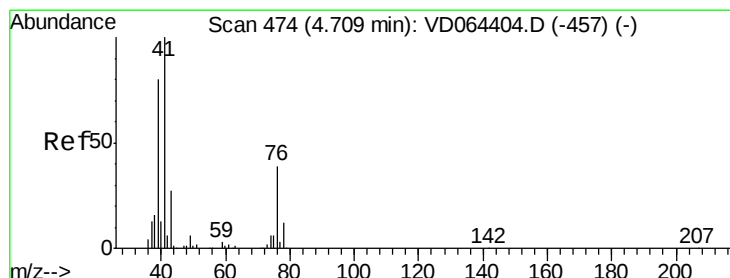
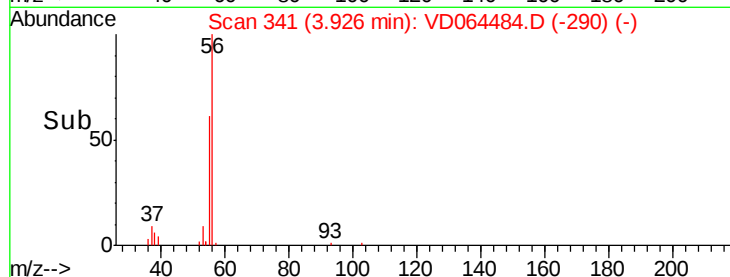
4000

2000

0

Time--> 3.80 3.90 4.00

3.93



#14

Allyl chloride

Concen: 21.985 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

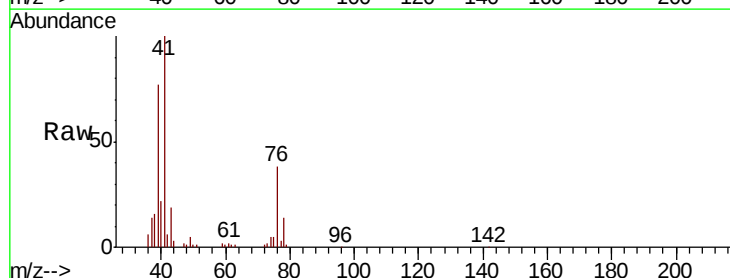
Tgt Ion: 41 Resp: 144676

Ion Ratio Lower Upper

41 100

39 77.0 62.1 93.1

76 38.1 29.8 44.8



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

60000

50000

40000

30000

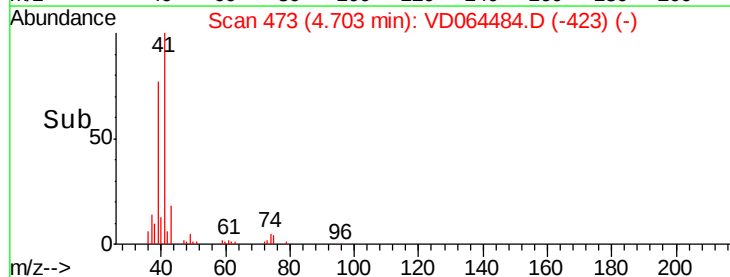
20000

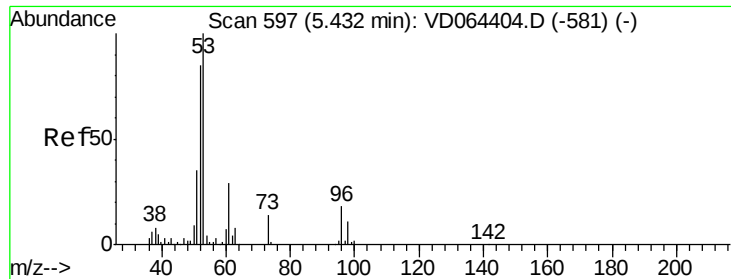
10000

0

Time--> 4.50 4.60 4.70 4.80

4.70





#15

Acrylonitrile

Concen: 97.543 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

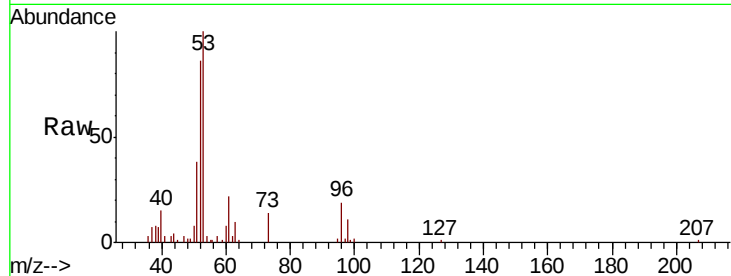
Tot Ion: 53 Resp: 90961

Ion Ratio Lower Upper

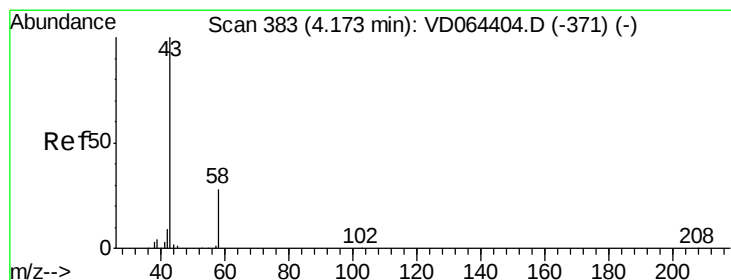
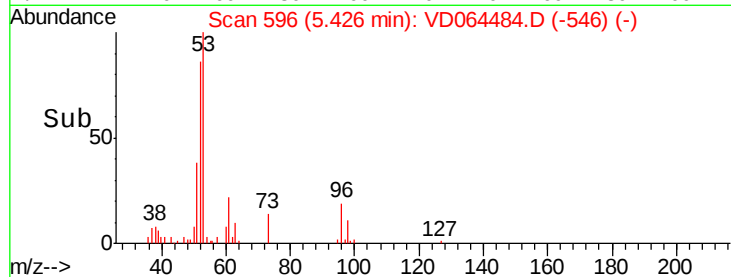
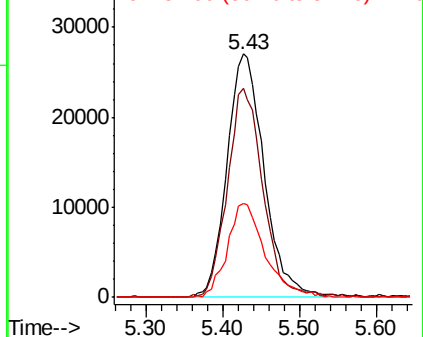
53 100

52 82.2 67.9 101.9

51 39.3 30.6 45.8



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: 99.024 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064484.D

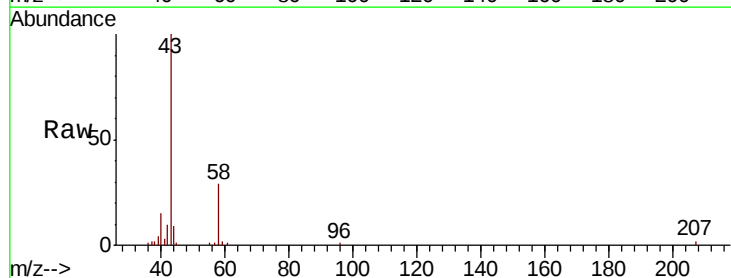
Acq: 10 Dec 2019 11:43

Tgt Ion: 43 Resp: 84735

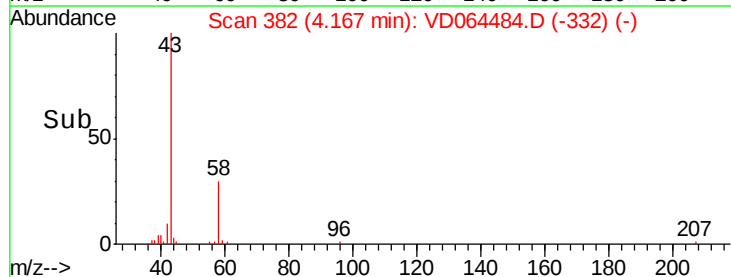
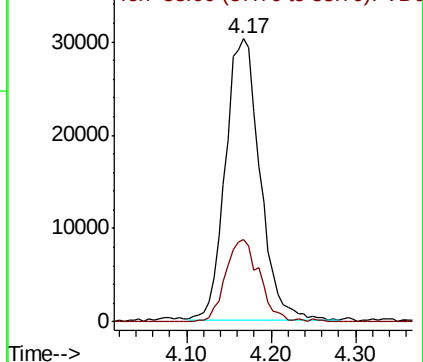
Ion Ratio Lower Upper

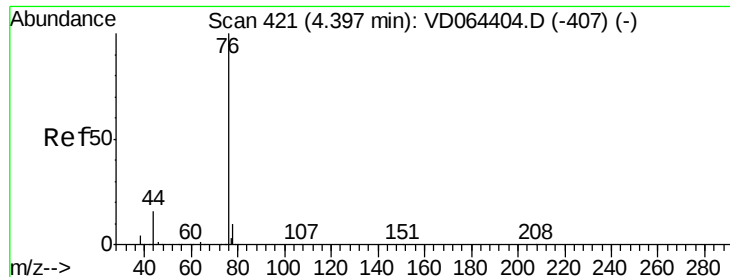
43 100

58 29.6 22.6 33.8



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

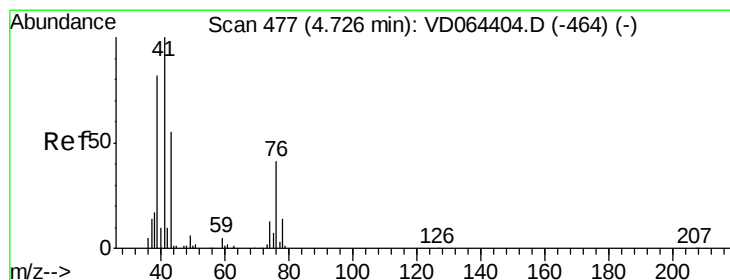
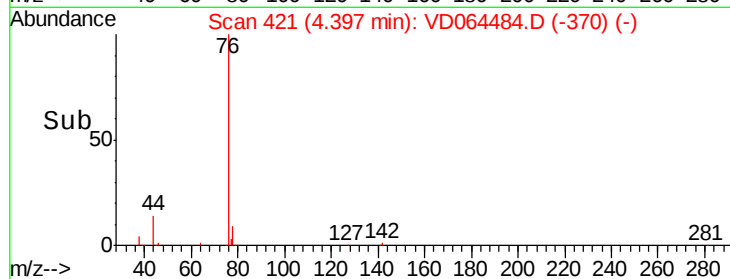
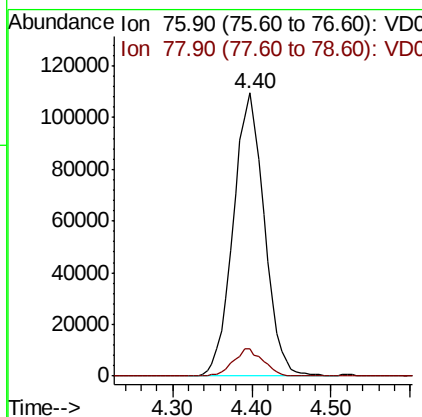
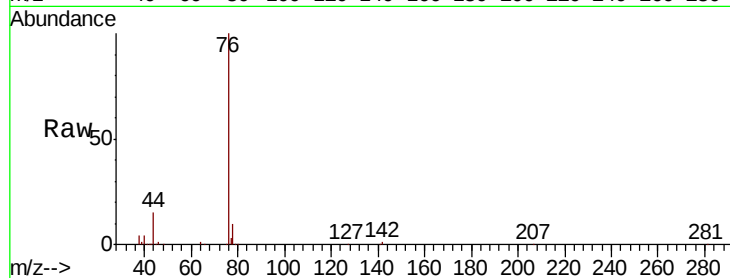




#17
Carbon Disulfide
Concen: 22.352 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

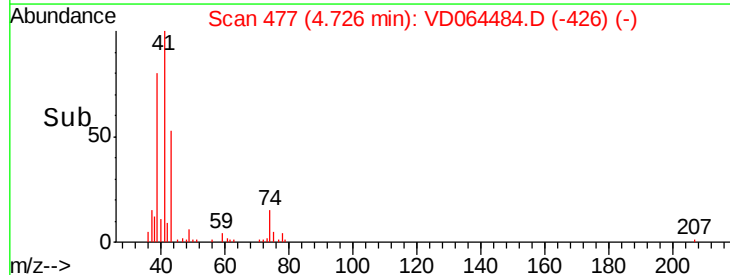
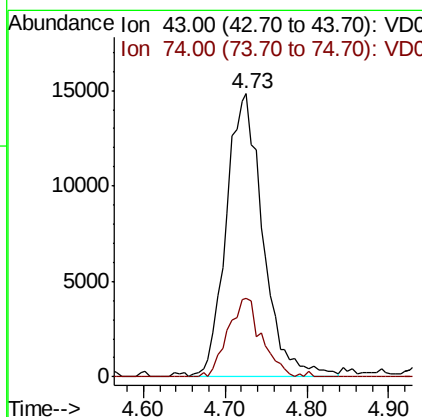
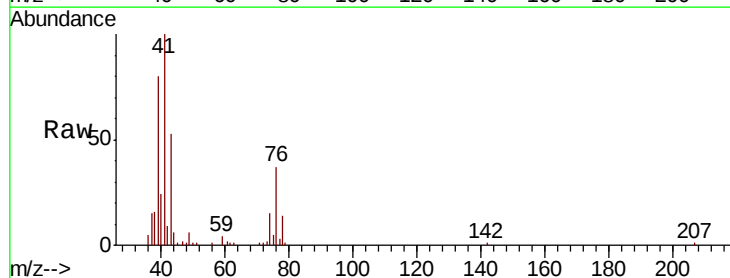
Instrument :
MSVOA_D
ClientSampleId :

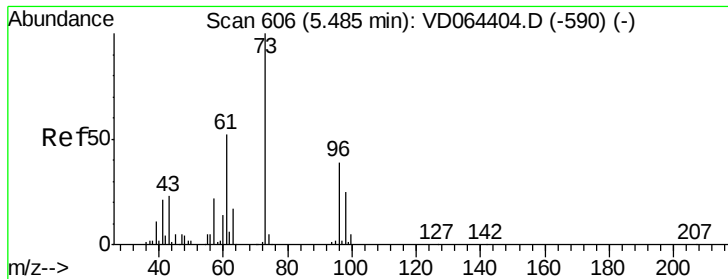
Tot Ion: 76 Resp: 298509
Ion Ratio Lower Upper
76 100
78 9.6 7.8 11.8



#18
Methyl Acetate
Concen: 18.569 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 43 Resp: 46349
Ion Ratio Lower Upper
43 100
74 25.5 19.7 29.5

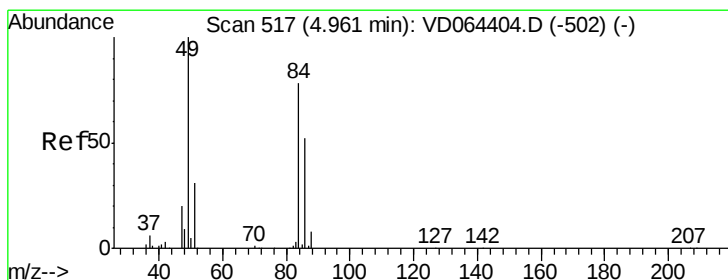
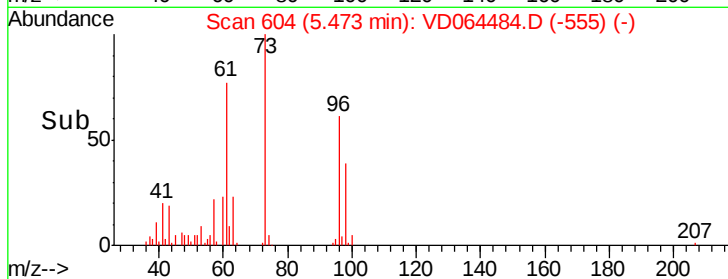
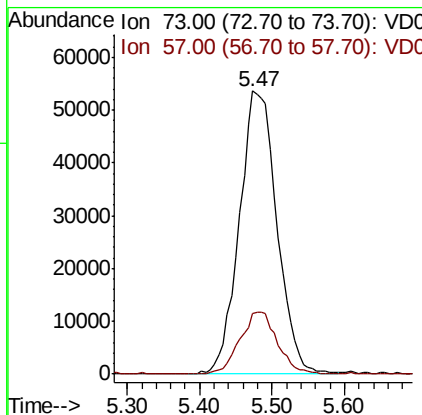
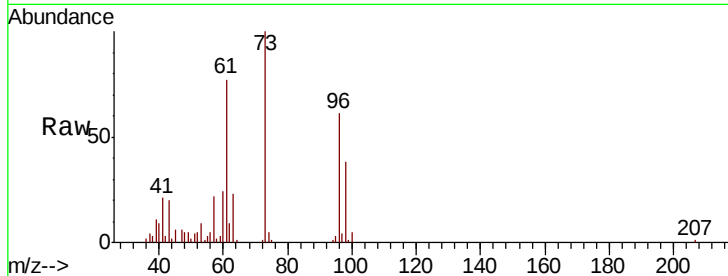




#19
Methyl tert-butyl Ether
Concen: 19.996 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

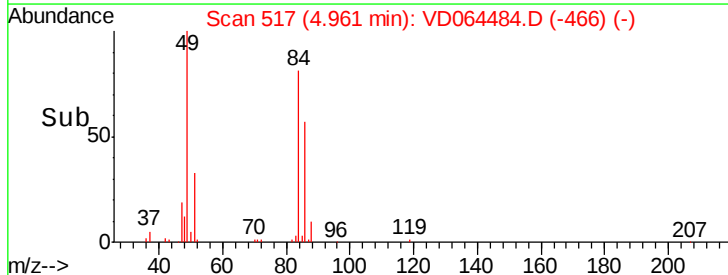
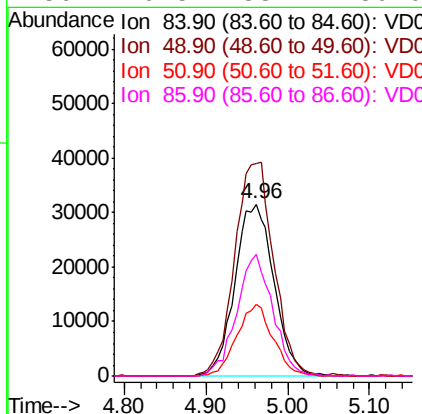
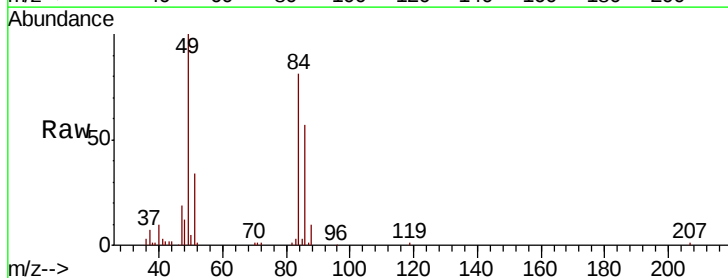
Instrument :
MSVOA_D
ClientSampled :

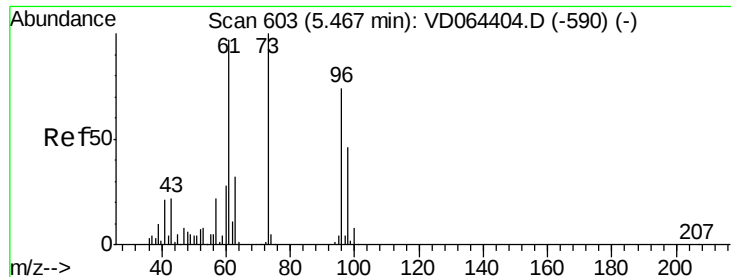
Tot Ion: 73 Resp: 193414
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4



#20
Methylene Chloride
Concen: 21.566 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 84 Resp: 104761
Ion Ratio Lower Upper
84 100
49 123.9 102.6 153.8
51 41.8 32.0 48.0
86 70.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 22.263 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

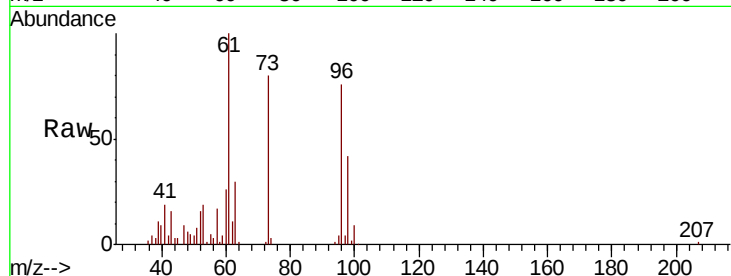
Tot Ion: 96 Resp: 106191

Ion Ratio Lower Upper

96 100

61 131.2 105.8 158.6

98 55.1 50.1 75.1

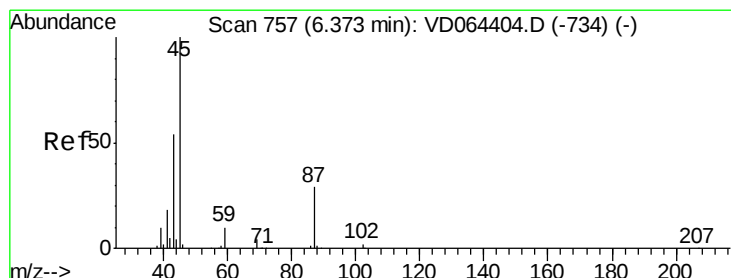
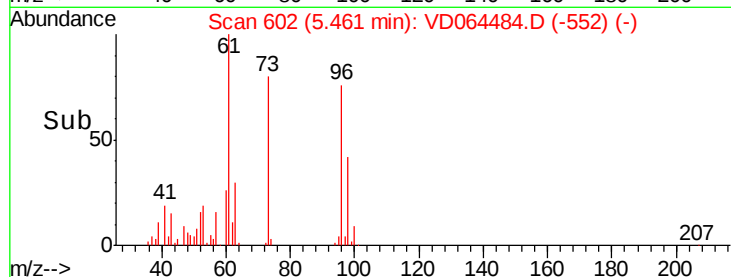
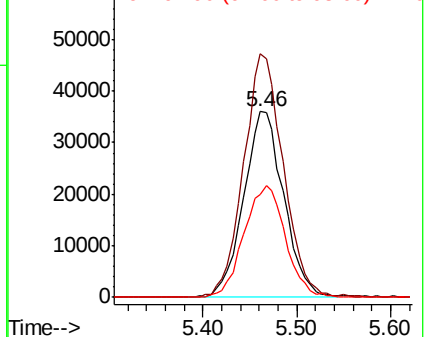


Abundance

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: 20.822 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Tgt Ion: 45 Resp: 270506

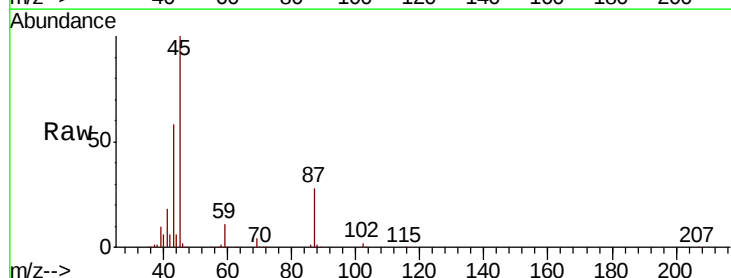
Ion Ratio Lower Upper

45 100

43 57.3 43.1 64.7

87 27.8 23.5 35.3

59 11.5 8.2 12.2



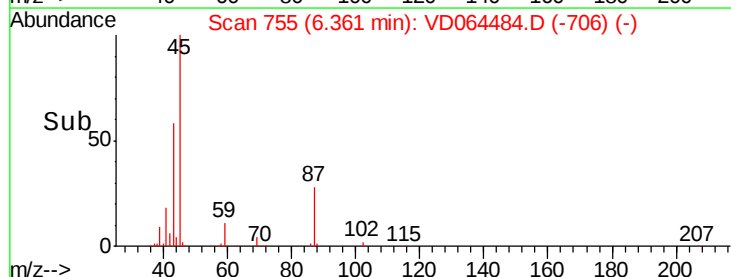
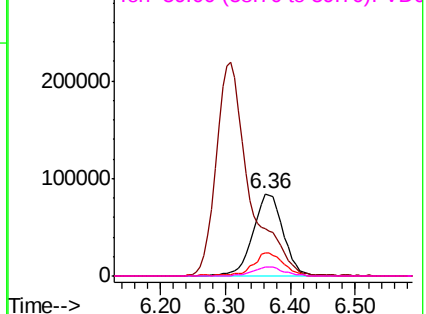
Abundance

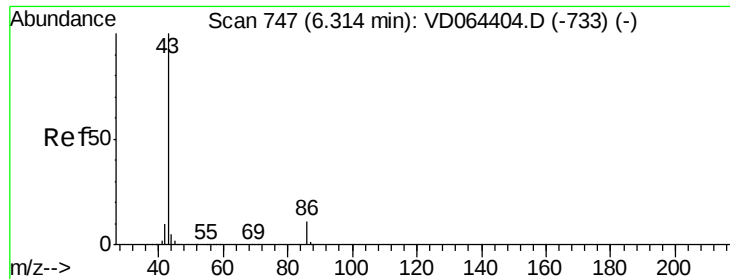
Ion 45.00 (44.70 to 45.70): VDC

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: 100.900 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

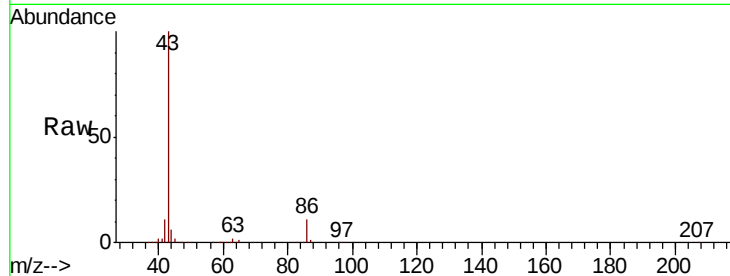
ClientSampleId :

Tot Ion: 43 Resp: 772772

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

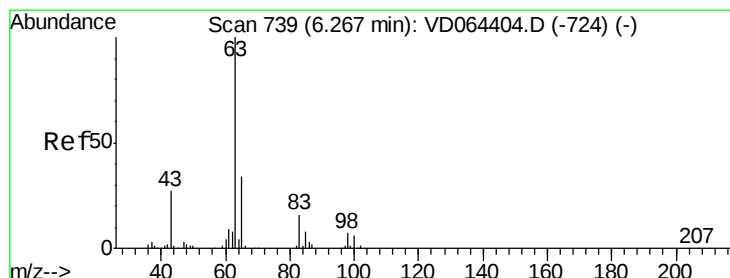
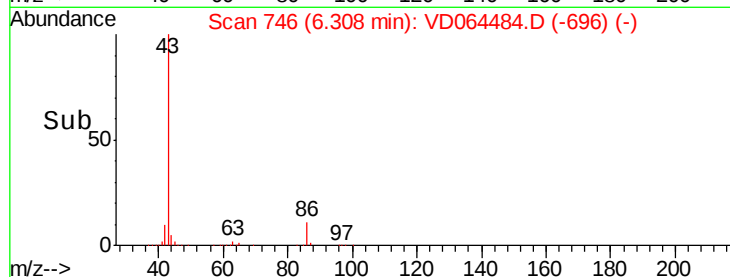
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.134 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

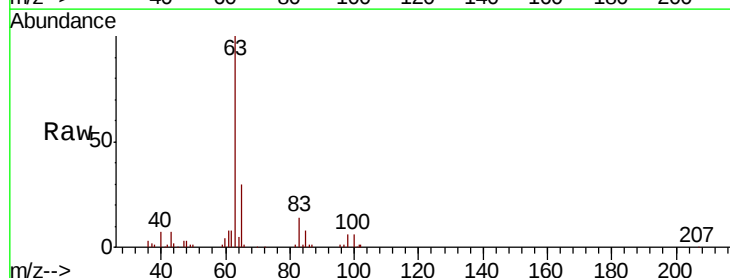
Tgt Ion: 63 Resp: 172930

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.9

100 6.1 2.9 8.6



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

6.26

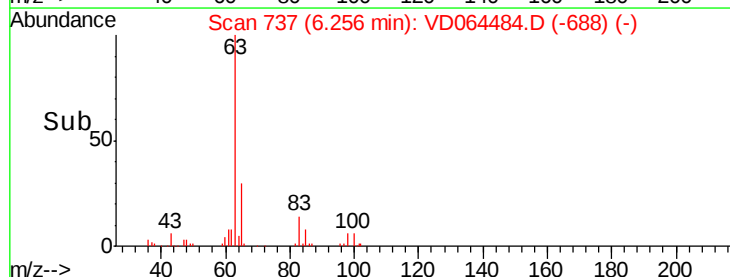
60000

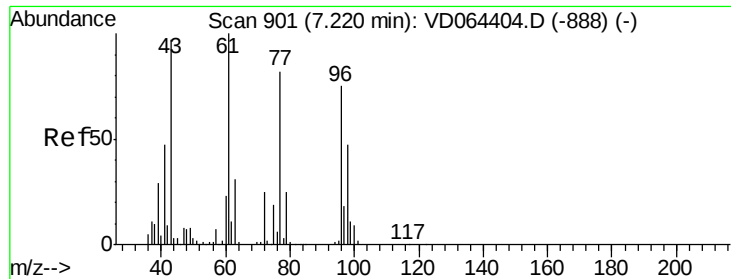
40000

20000

0

Time-->





#25

2-Butanone

Concen: 93.126 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

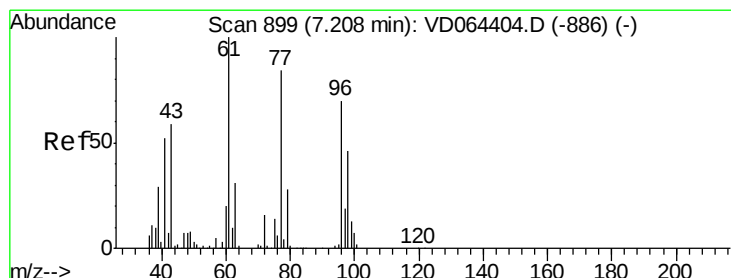
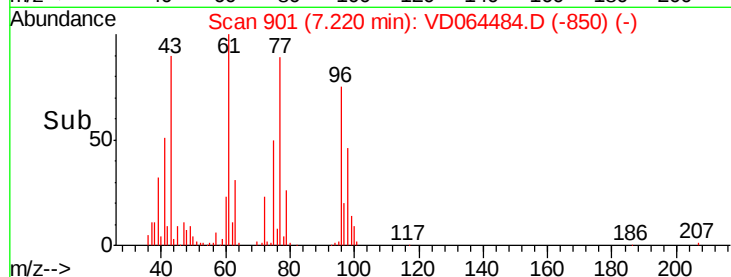
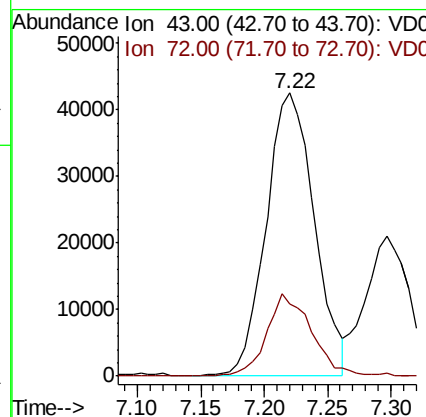
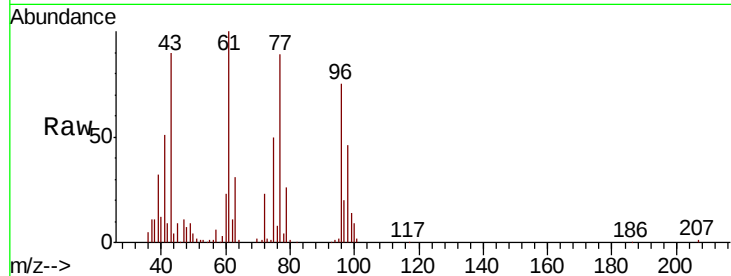
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 112696

Ion Ratio Lower Upper

43 100

72 25.5 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.983 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064484.D

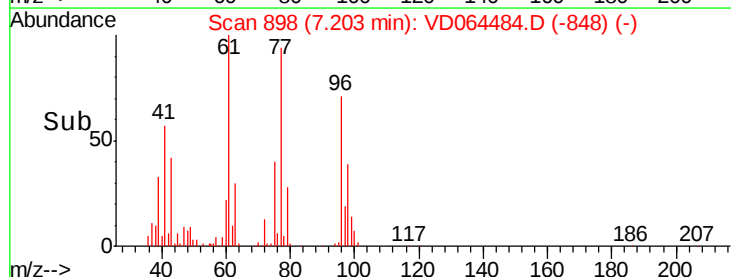
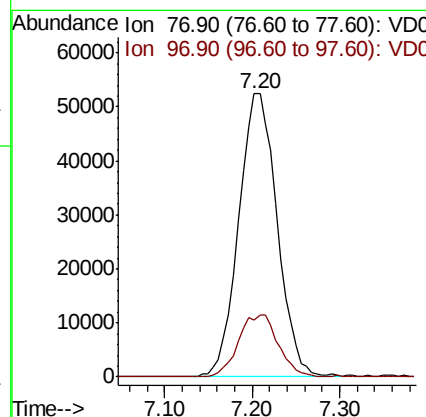
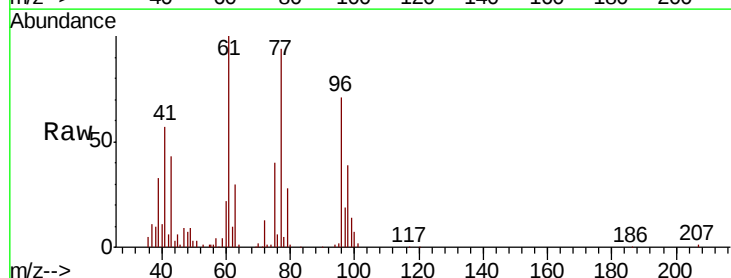
Acq: 10 Dec 2019 11:43

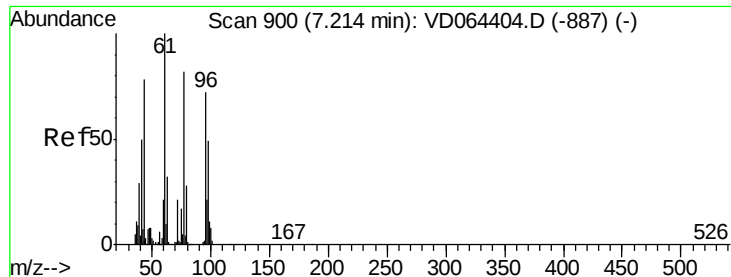
Tgt Ion: 77 Resp: 156158

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7



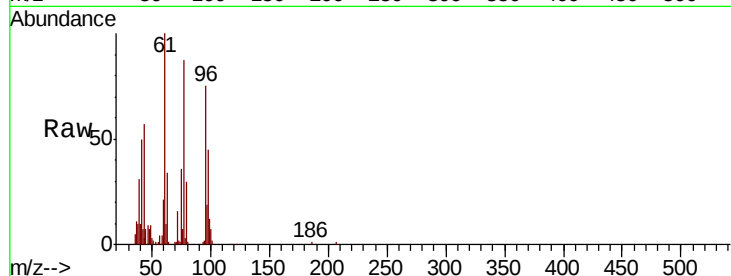


#27

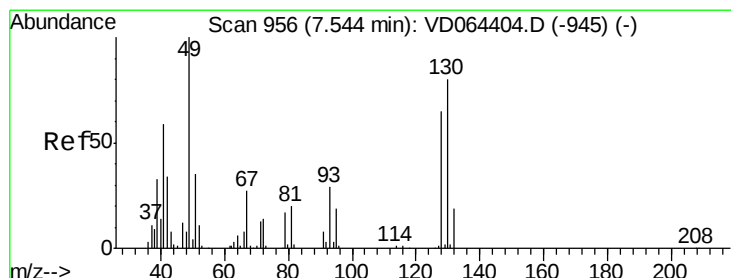
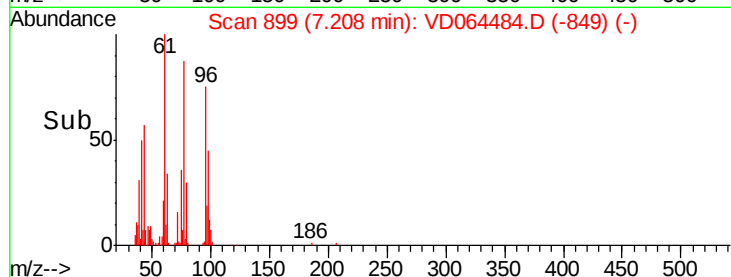
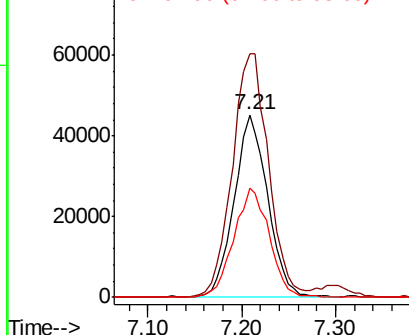
cis-1,2-Dichloroethene
Concen: 21.575 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	279.6
98	62.8	0.0	129.2



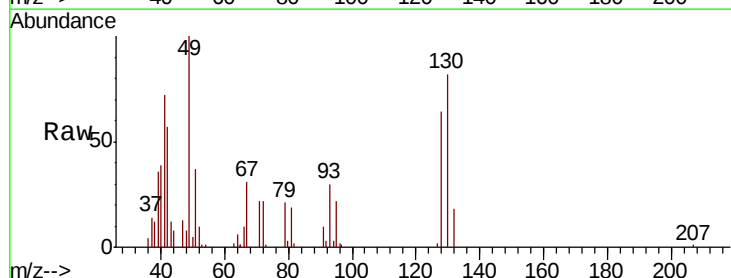
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



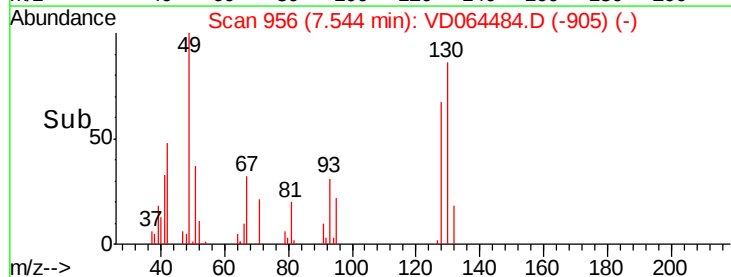
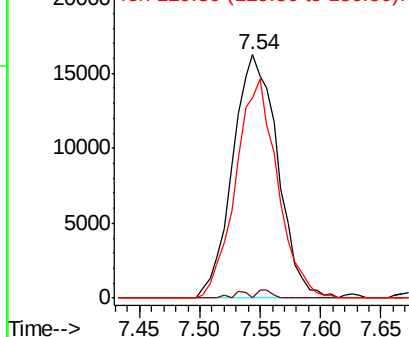
#28

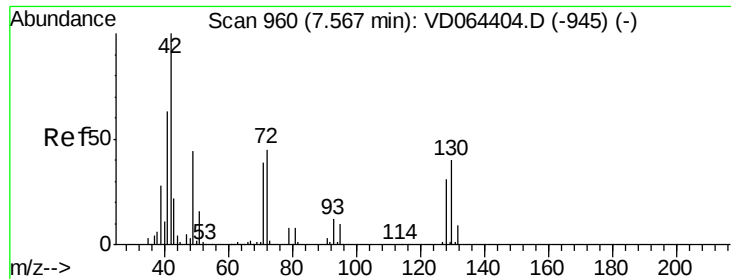
Bromochloromethane
Concen: 15.799 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	83.7	67.4	101.0



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

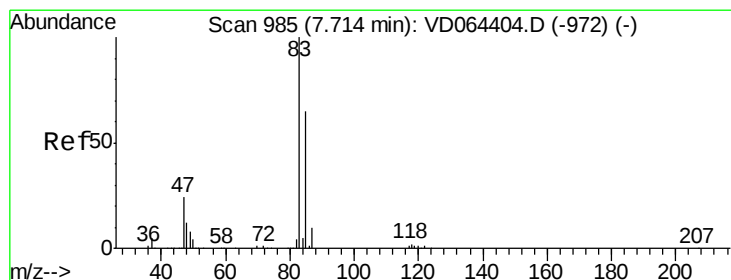
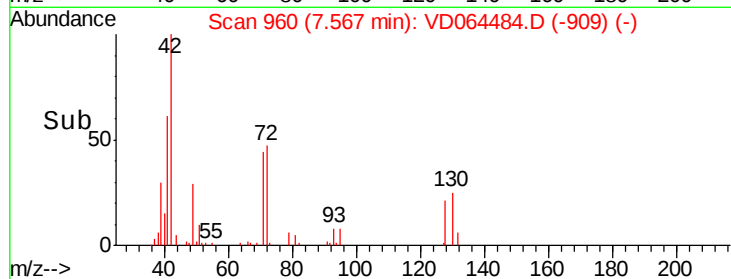
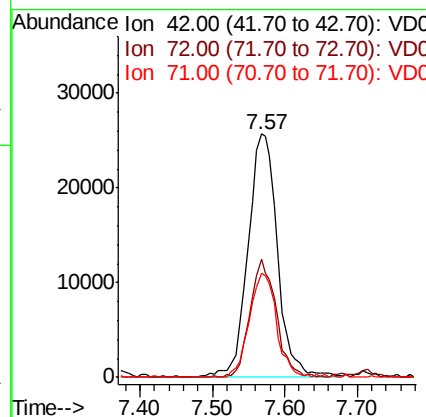
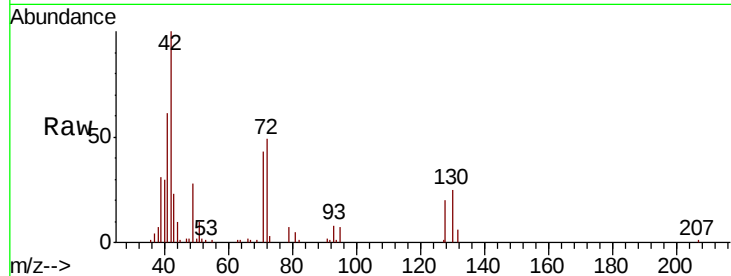




#29
Tetrahydrofuran
Concen: 94.294 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

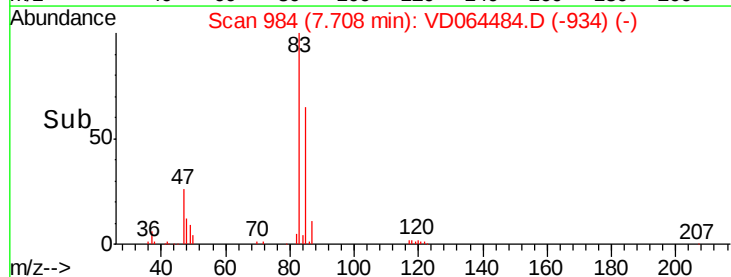
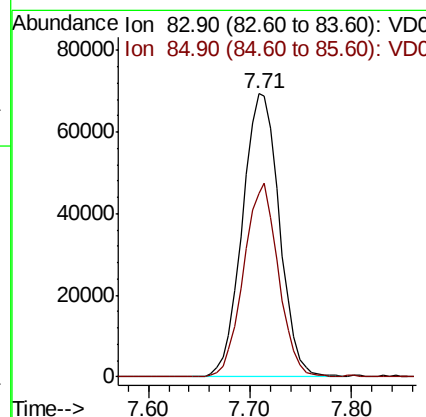
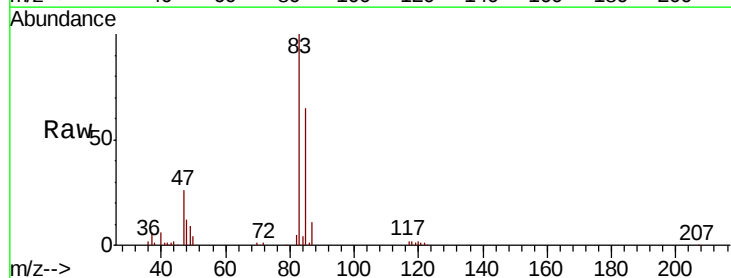
Instrument :
MSVOA_D
ClientSampleId :

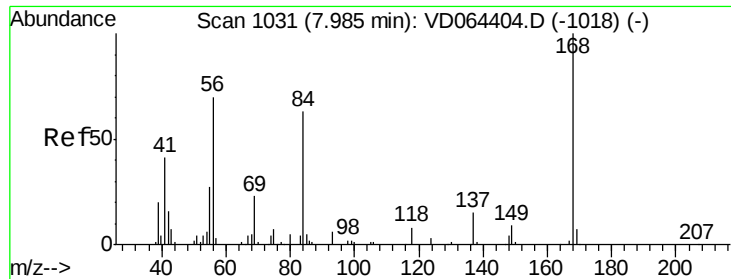
Tot Ion: 42 Resp: 72599
Ion Ratio Lower Upper
42 100
72 43.0 35.8 53.8
71 39.4 32.7 49.1



#30
Chloroform
Concen: 21.750 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 83 Resp: 175988
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6





#31

Cyclohexane

Concen: 22.634 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampled :

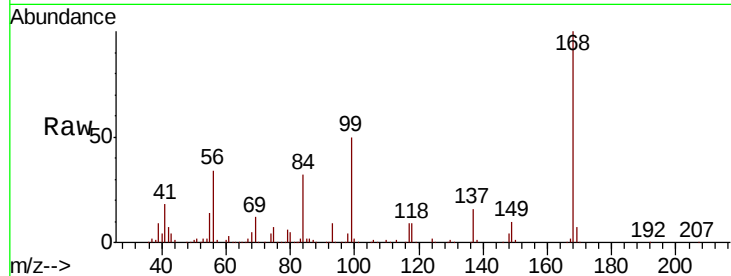
Tot Ion: 56 Resp: 171513

Ion Ratio Lower Upper

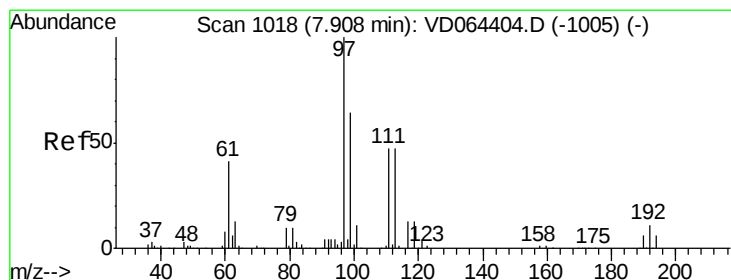
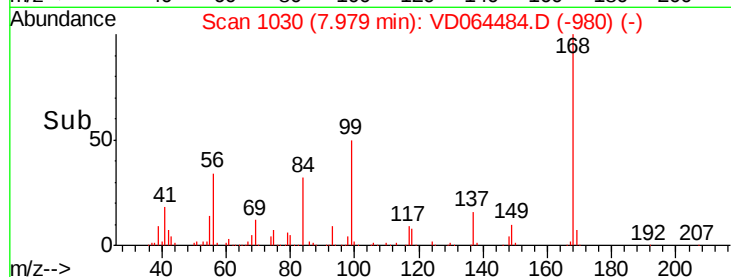
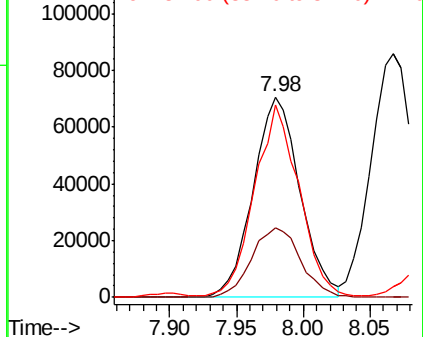
56 100

69 34.5 26.2 39.4

84 94.9 70.3 105.5



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: 22.214 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

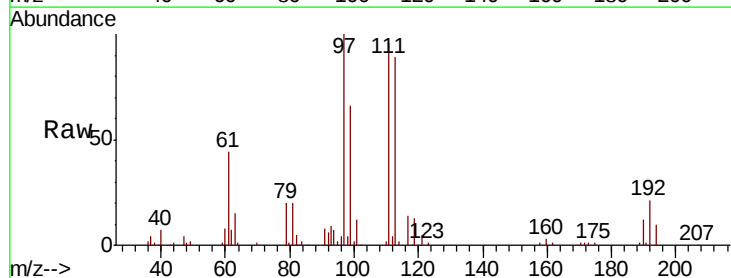
Tgt Ion: 97 Resp: 166637

Ion Ratio Lower Upper

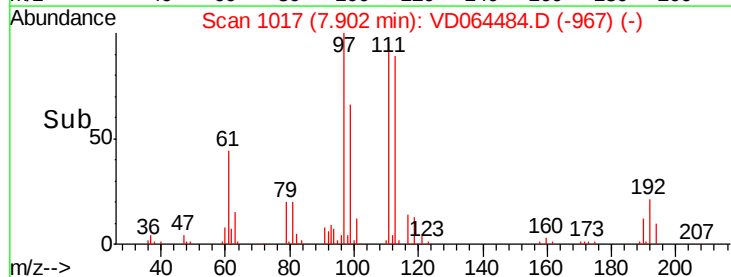
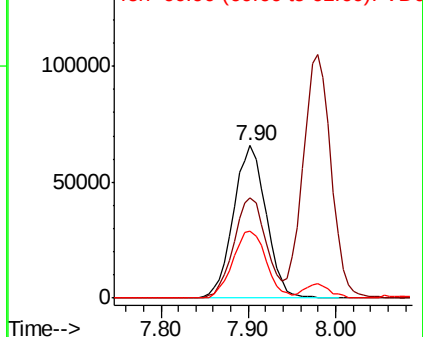
97 100

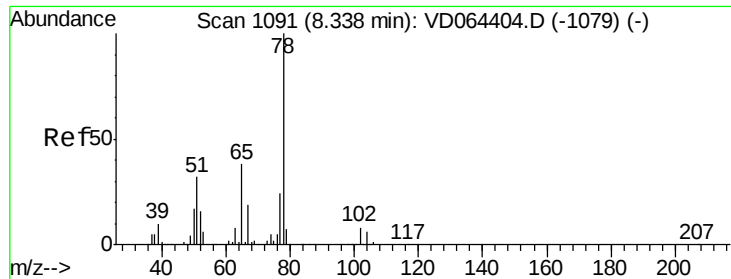
99 65.2 51.4 77.2

61 45.0 35.0 52.4



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: 47.361 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

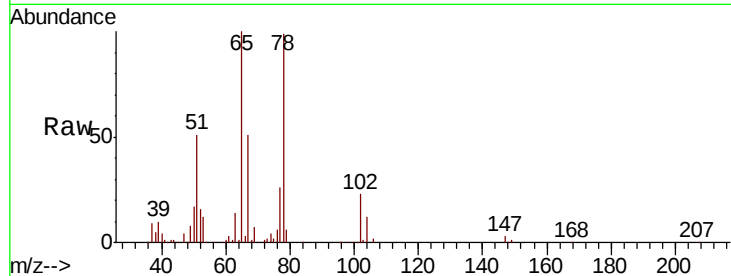
ClientSampled :

Tot Ion: 65 Resp: 200551

Ion Ratio Lower Upper

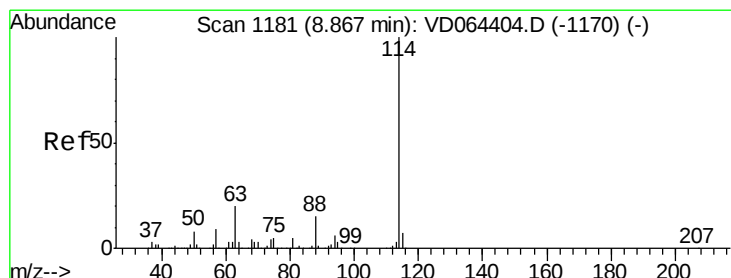
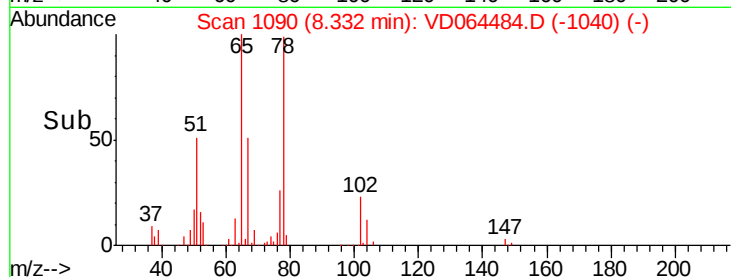
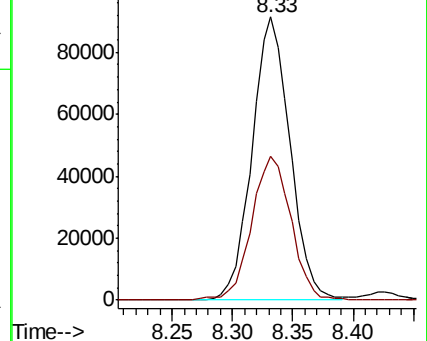
65 100

67 52.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

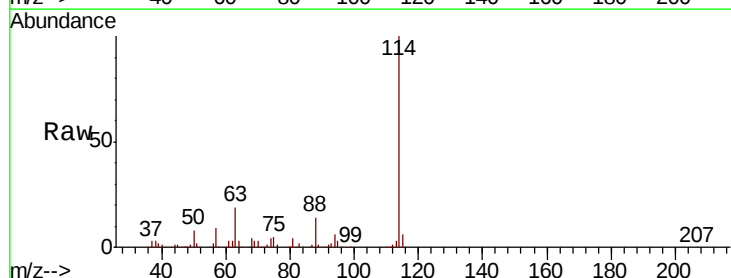
Tgt Ion: 114 Resp: 679550

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

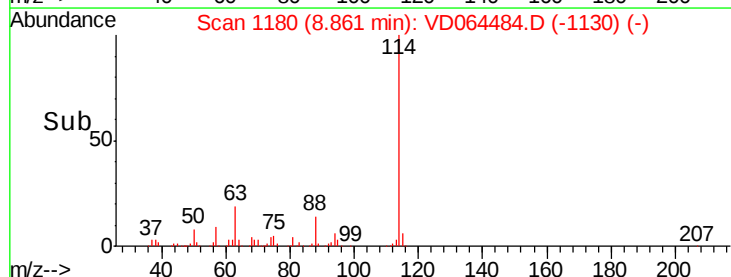
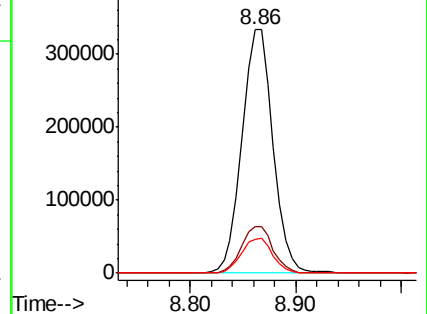
88 14.1 0.0 29.2

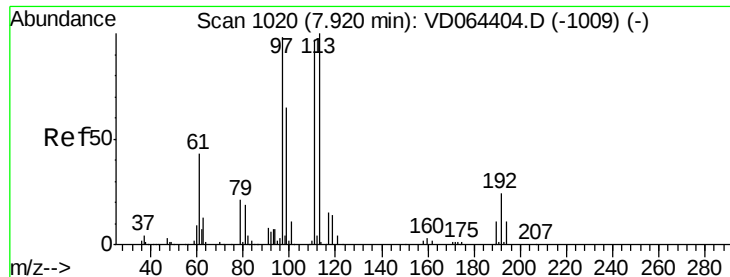


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

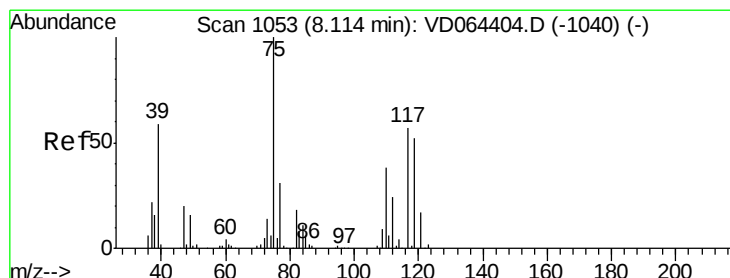
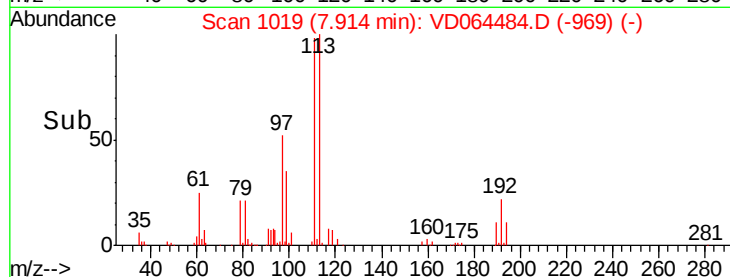
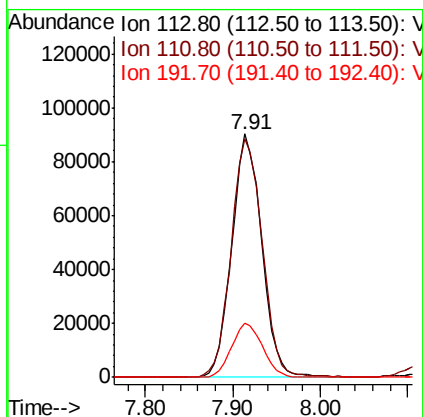
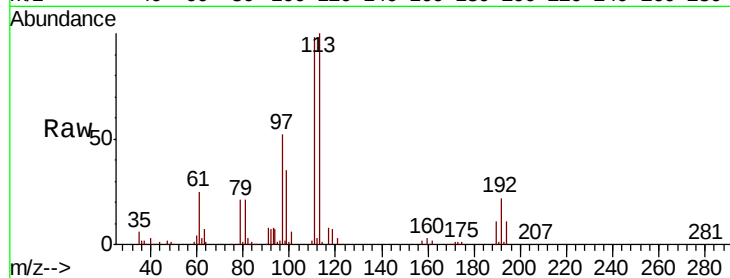




#35
 Dibromofluoromethane
 Concen: 48.870 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

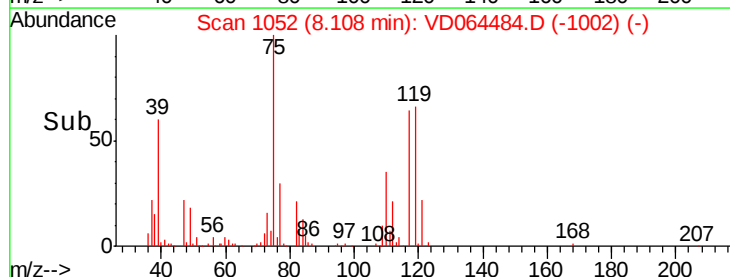
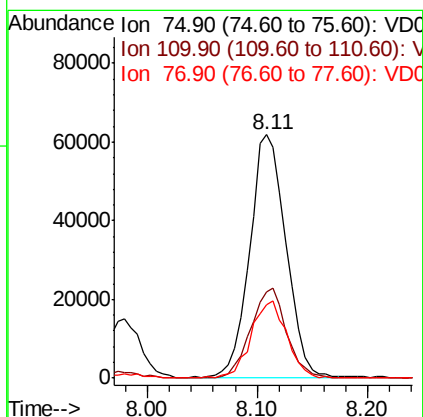
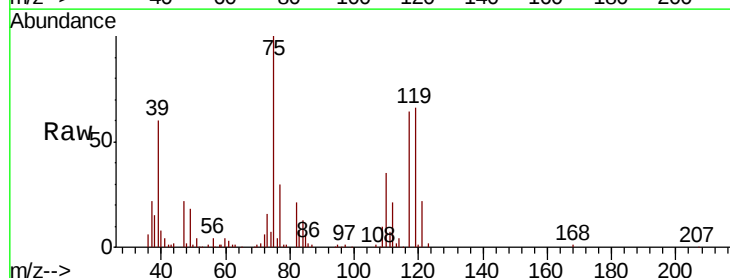
Instrument :
 MSVOA_D
 ClientSampleId :

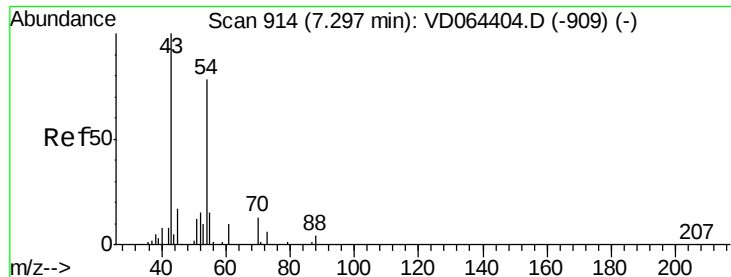
Tot Ion:113 Resp: 209236
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.4 119.2
 192 22.8 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 22.069 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 75 Resp: 141849
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.6 55.8
 77 31.7 25.0 37.4

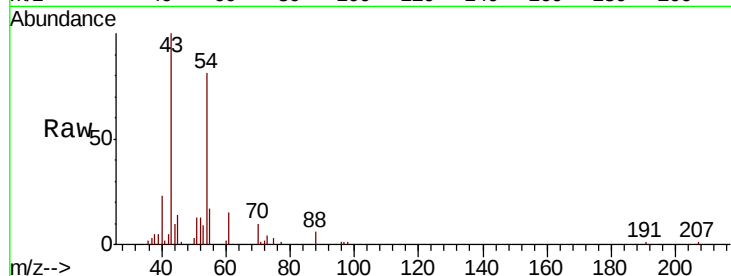




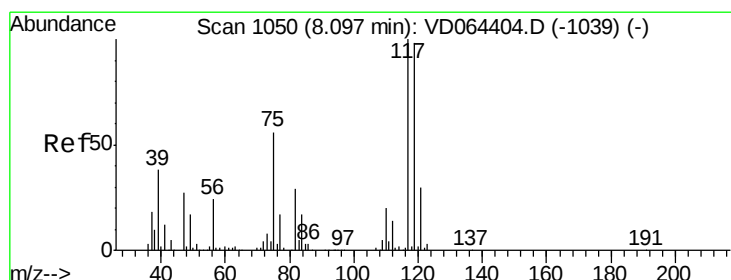
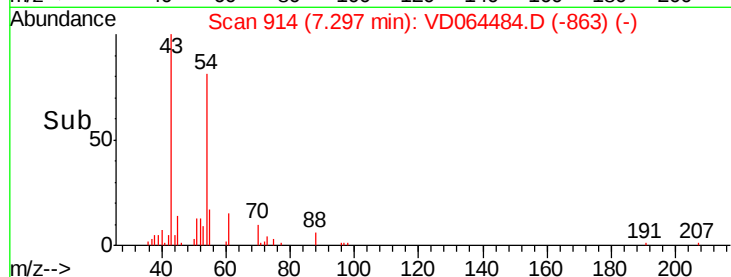
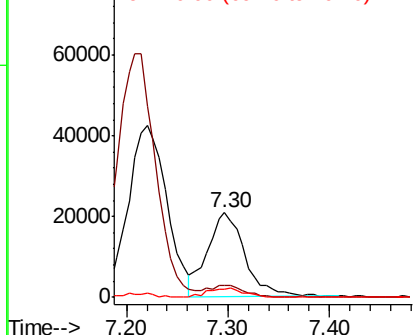
#37
Ethyl Acetate
Concen: 19.559 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 53345
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 10.6 8.3 12.5

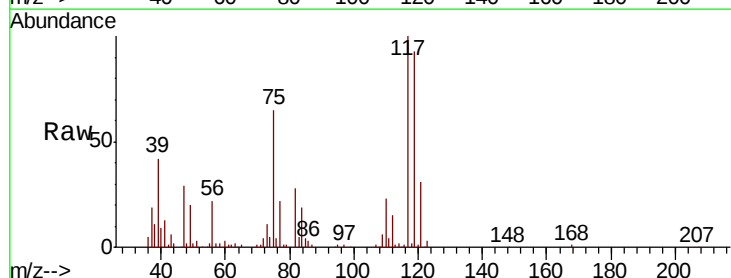


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

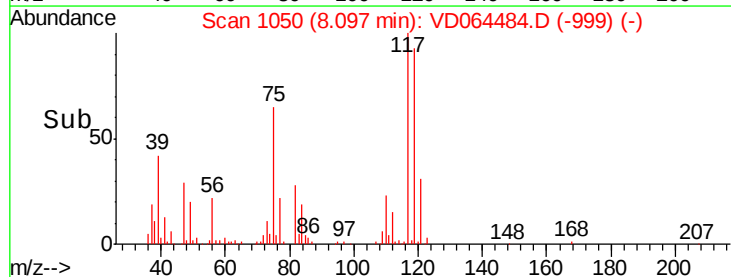
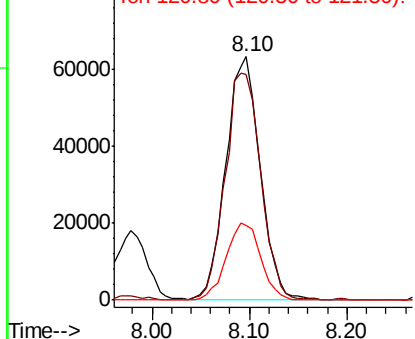


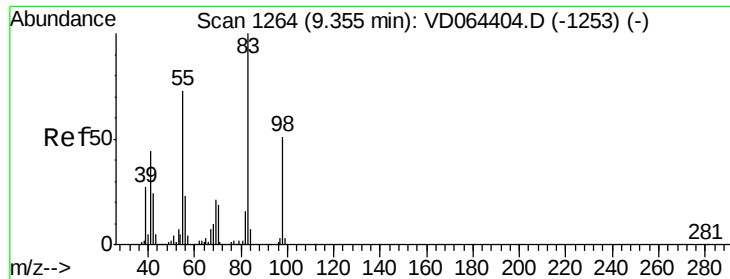
#38
Carbon Tetrachloride
Concen: 22.814 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 117 Resp: 154767
Ion Ratio Lower Upper
117 100
119 92.1 78.8 118.2
121 30.5 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

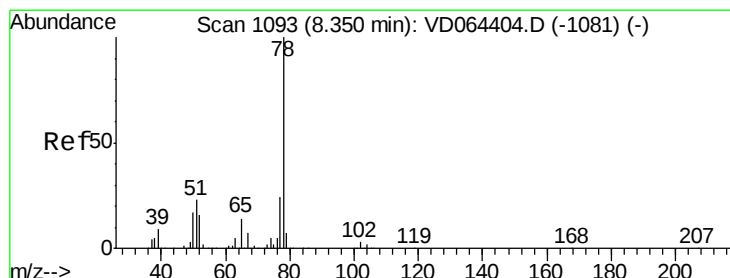
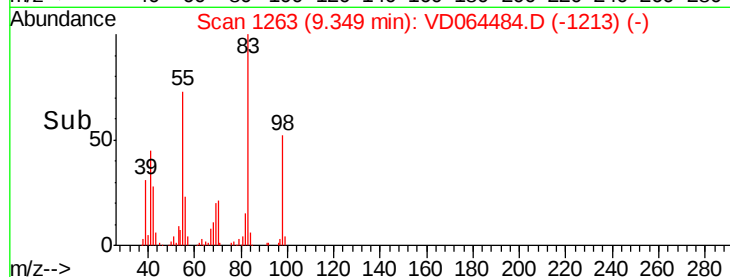
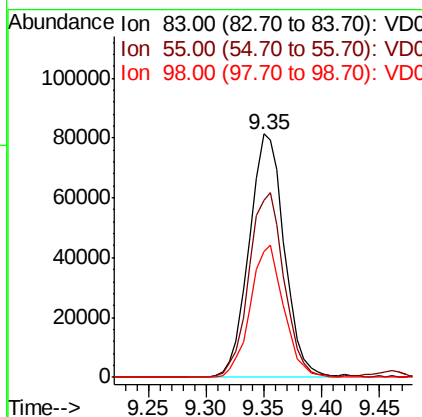
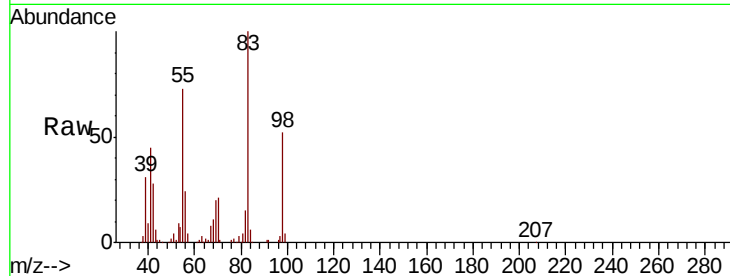




#39
Methvlcvclohexane
Concen: 21.730 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

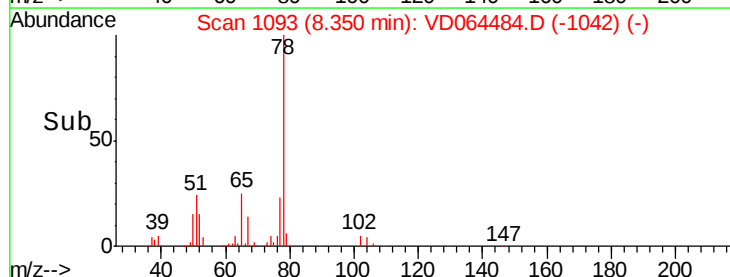
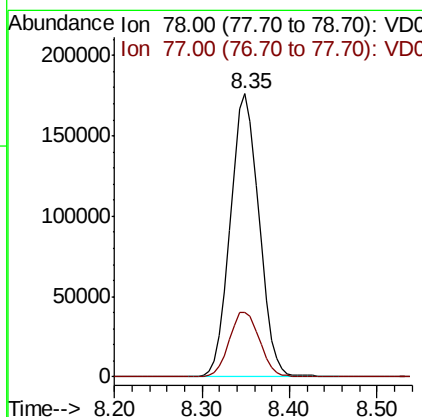
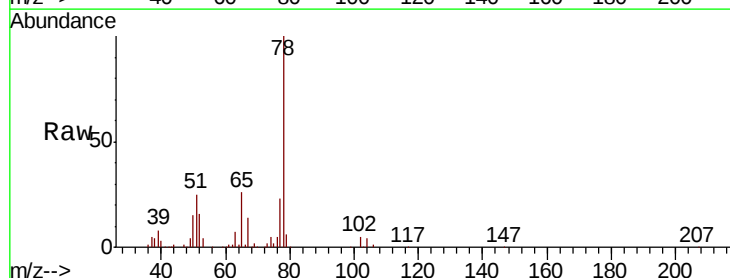
Instrument :
MSVOA_D
ClientSampled :

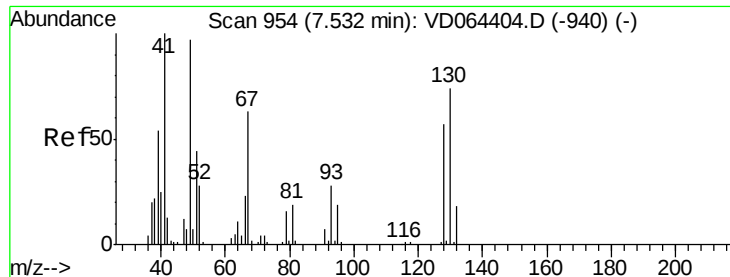
Tot Ion: 83 Resp: 173254
Ion Ratio Lower Upper
83 100
55 72.8 58.6 87.8
98 51.6 40.9 61.3



#40
Benzene
Concen: 22.060 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 78 Resp: 393817
Ion Ratio Lower Upper
78 100
77 23.0 19.6 29.4





#41

Methacrylonitrile

Concen: 14.498 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 22676

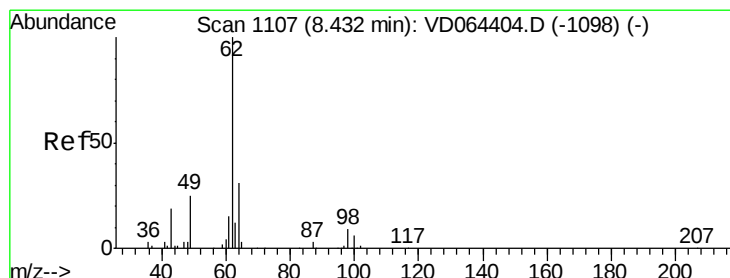
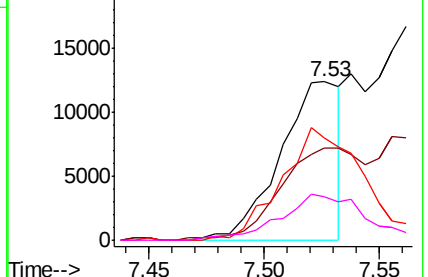
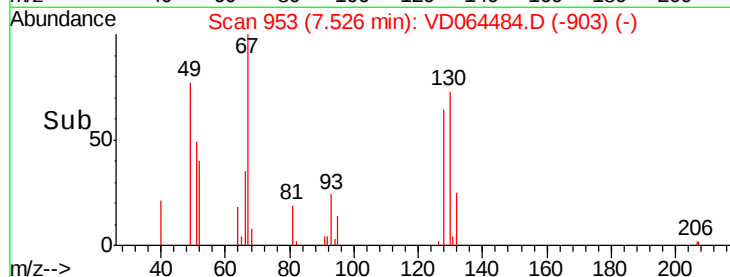
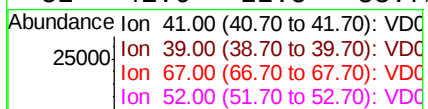
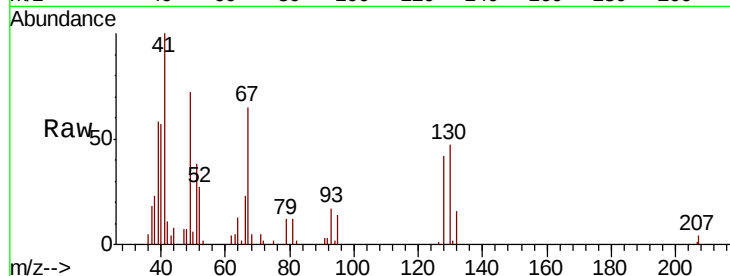
Ion Ratio Lower Upper

41 100

39 78.3 44.6 67.0#

67 94.6 50.9 76.3#

52 41.6 22.5 33.7#



#42

1,2-Dichloroethane

Concen: 20.700 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064484.D

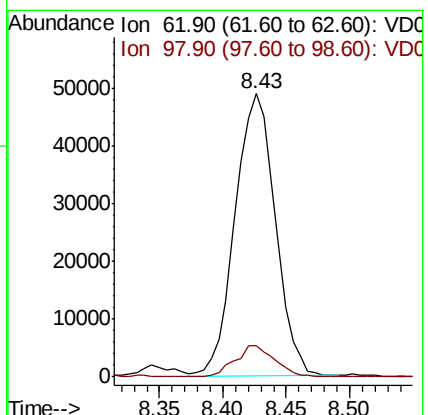
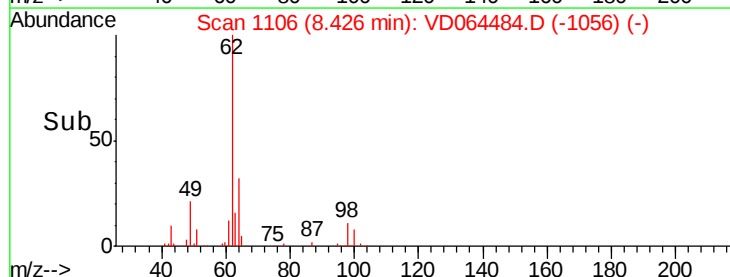
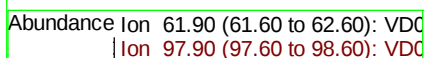
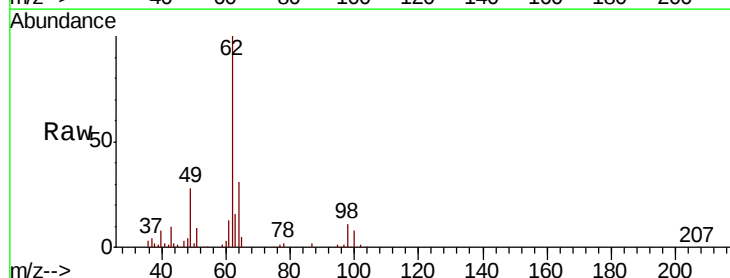
Acq: 10 Dec 2019 11:43

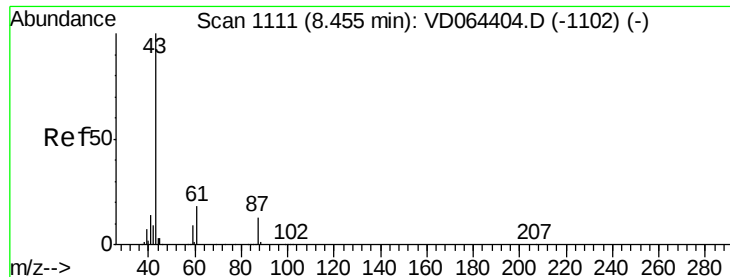
Tgt Ion: 62 Resp: 107766

Ion Ratio Lower Upper

62 100

98 10.8 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.355 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

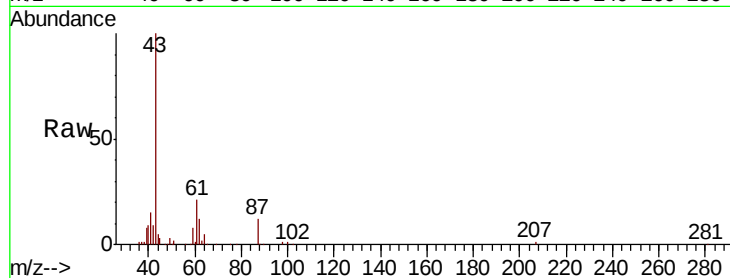
Tot Ion: 43 Resp: 103791

Ion Ratio Lower Upper

43 100

61 32.0 24.0 36.0

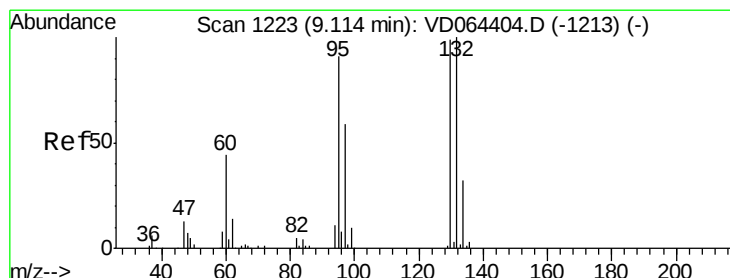
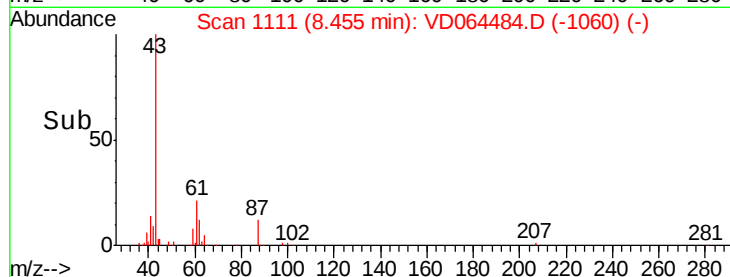
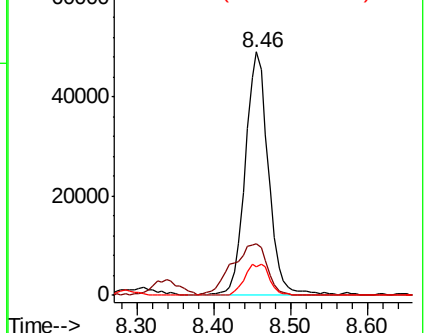
87 13.7 10.6 15.8



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: 21.623 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064484.D

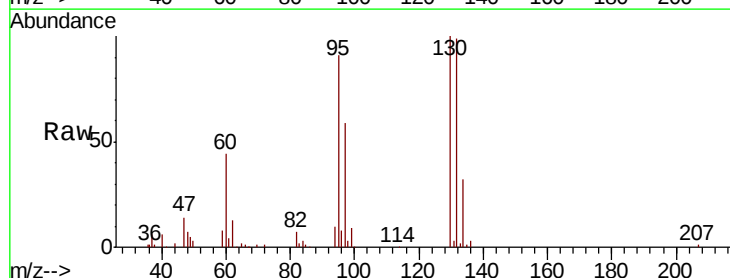
Acq: 10 Dec 2019 11:43

Tgt Ion:130 Resp: 116281

Ion Ratio Lower Upper

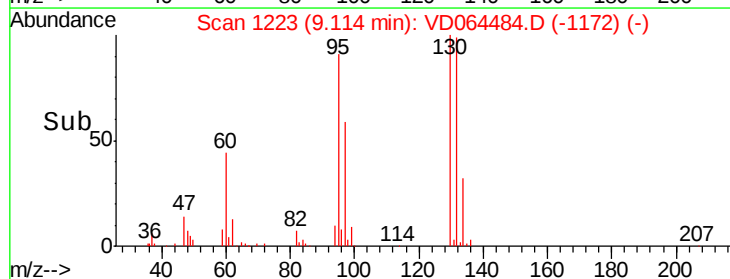
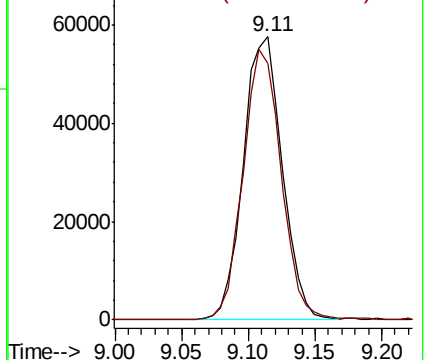
130 100

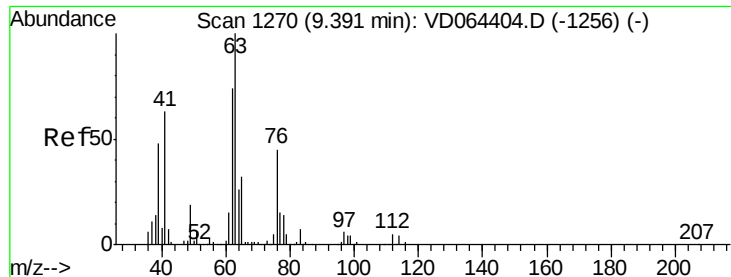
95 90.7 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.285 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

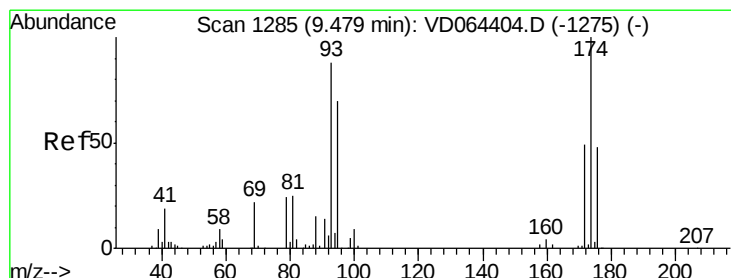
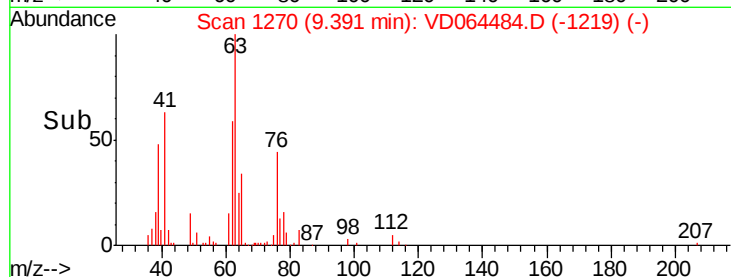
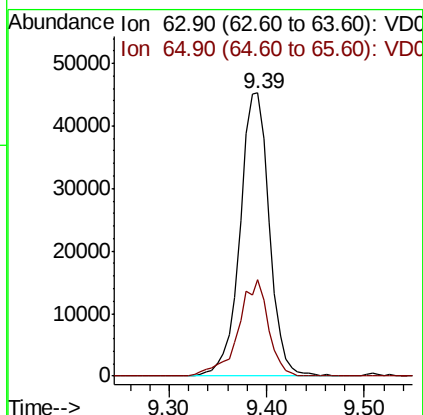
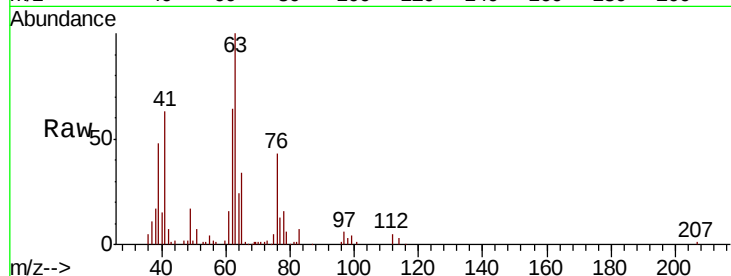
ClientSampled :

Tot Ion: 63 Resp: 95145

Ion Ratio Lower Upper

63 100

65 33.9 25.4 38.0



#46

Dibromomethane

Concen: 20.598 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

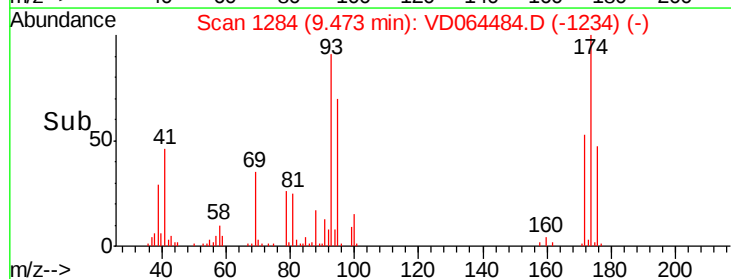
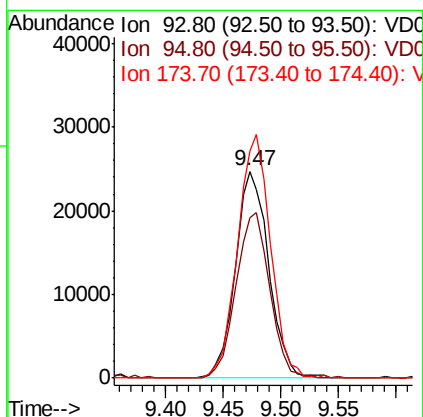
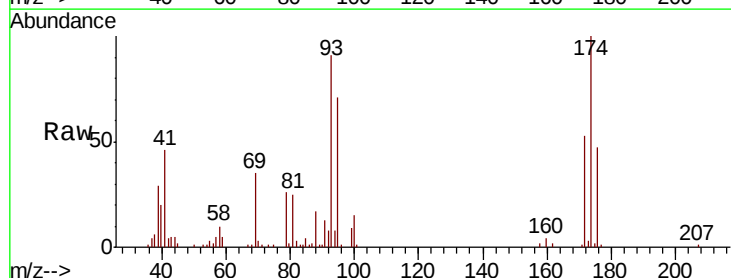
Tgt Ion: 93 Resp: 49635

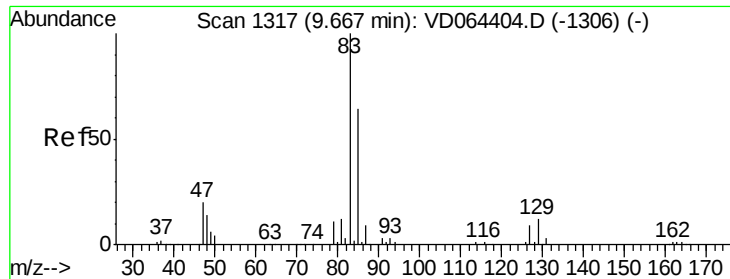
Ion Ratio Lower Upper

93 100

95 80.2 66.7 100.1

174 116.0 92.3 138.5





#47

Bromodichloromethane

Concen: 21.851 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

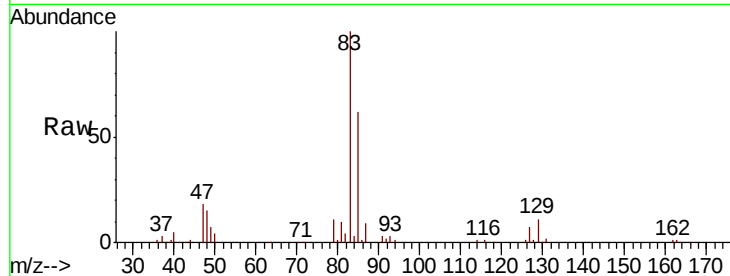
Tot Ion: 83 Resp: 135296

Ion Ratio Lower Upper

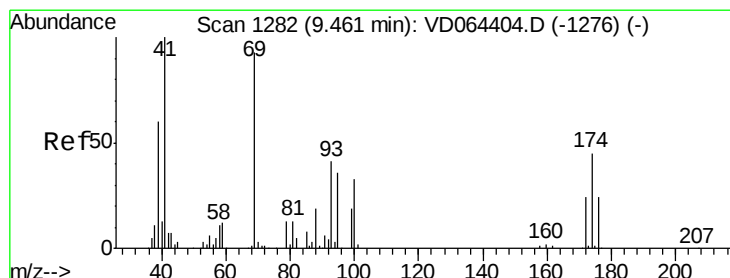
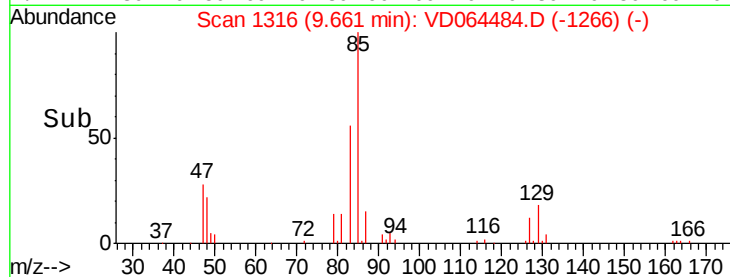
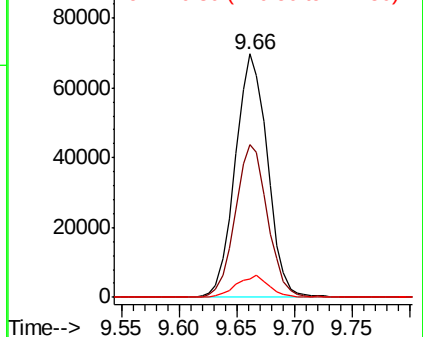
83 100

85 62.5 51.1 76.7

127 7.4 7.4 11.0



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



#48

Methyl methacrylate

Concen: 19.735 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

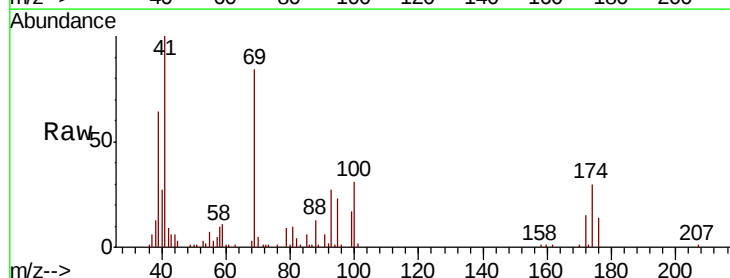
Tgt Ion: 41 Resp: 48428

Ion Ratio Lower Upper

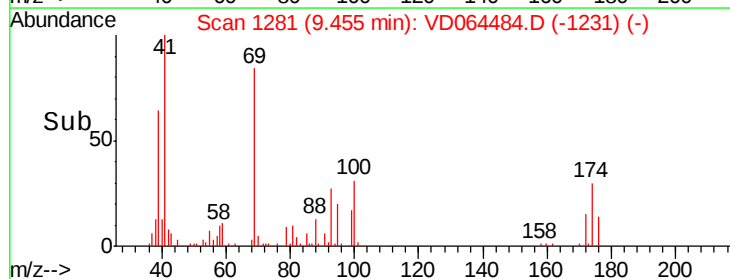
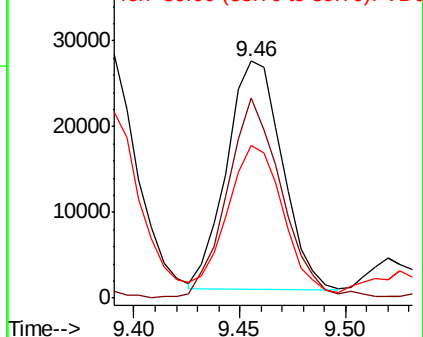
41 100

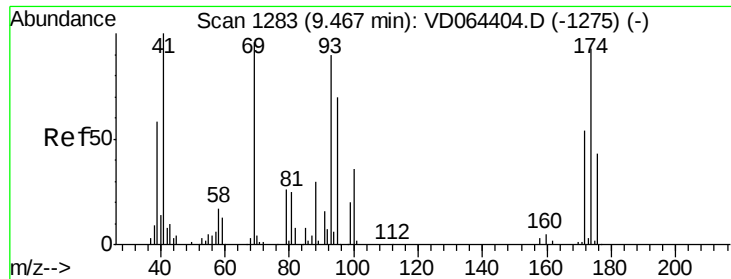
69 86.9 72.0 108.0

39 64.1 55.2 82.8



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

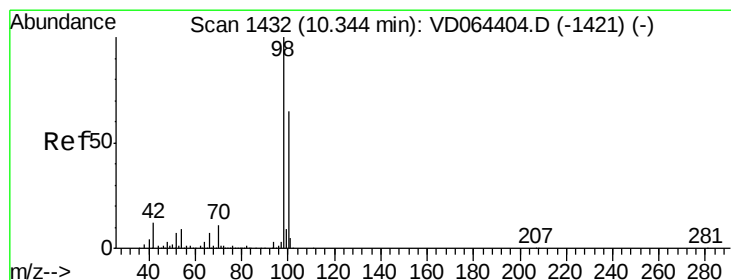
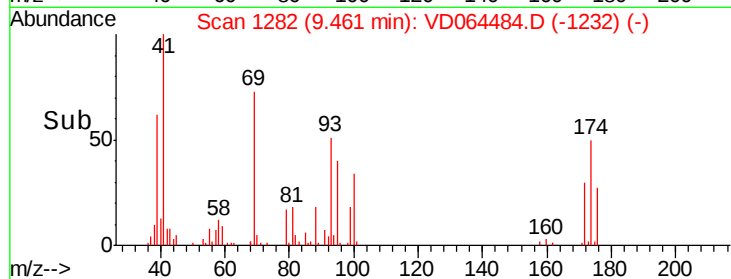
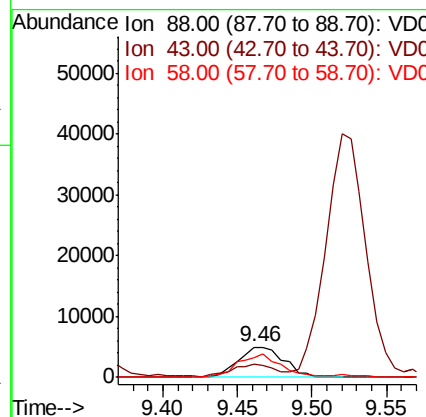
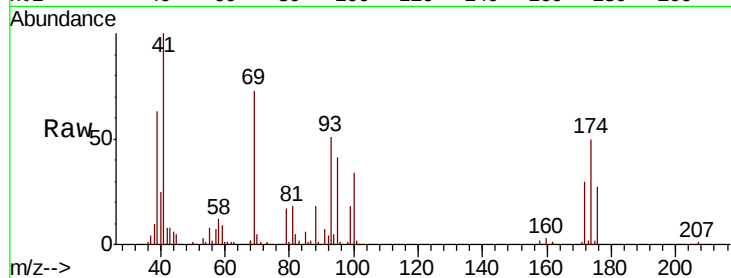




#49
 1,4-Dioxane
 Concen: 353.910 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

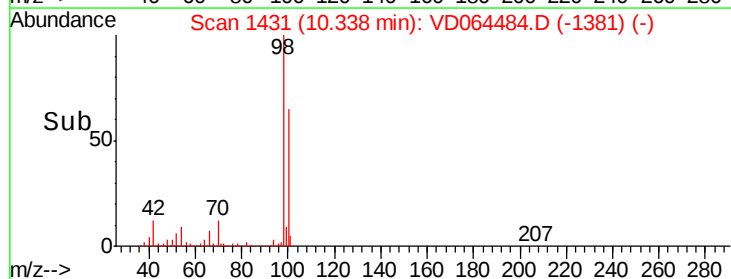
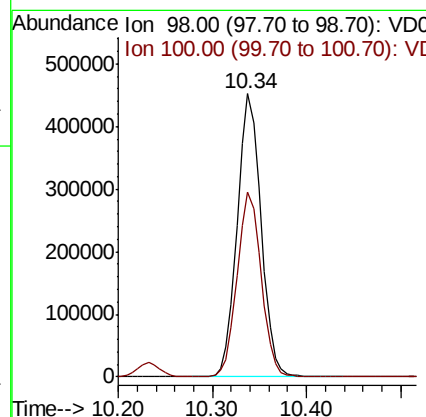
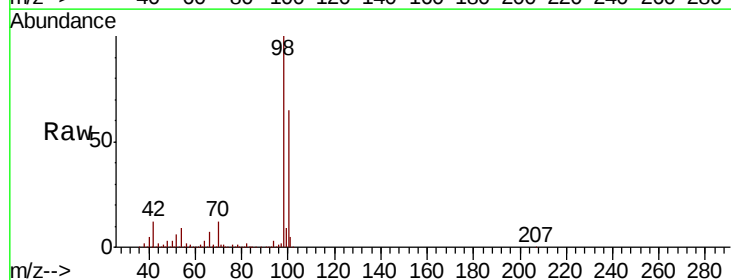
Instrument :
 MSVOA_D
 ClientSampleId :

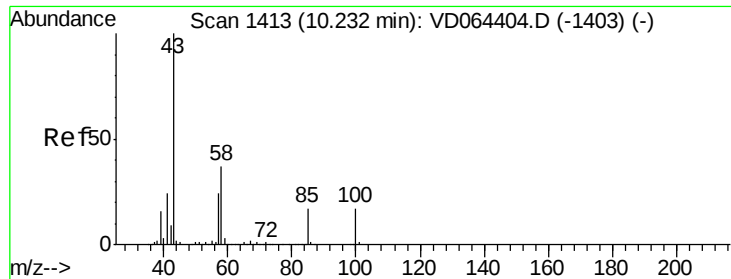
Tot Ion: 88 Resp: 10531
 Ion Ratio Lower Upper
 88 100
 43 35.5 26.7 40.1
 58 72.2 52.3 78.5



#50
 Toluene-d8
 Concen: 49.624 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 98 Resp: 800329
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 94.966 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

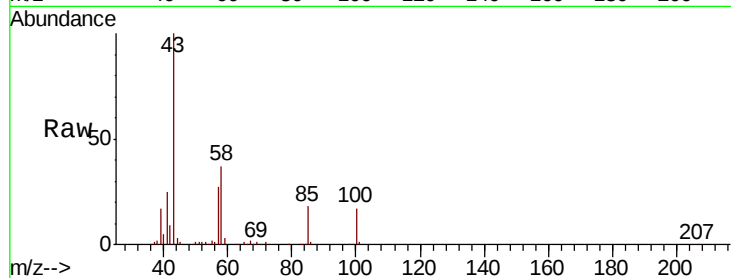
ClientSampled :

Tot Ion: 43 Resp: 251976

Ion Ratio Lower Upper

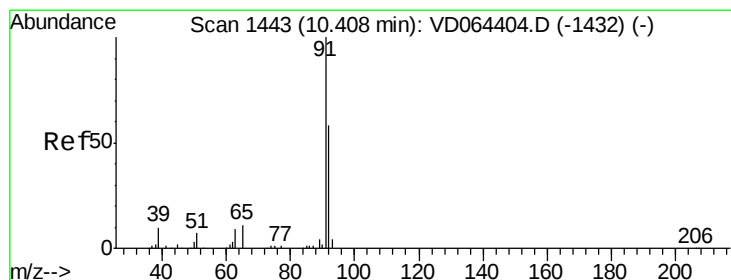
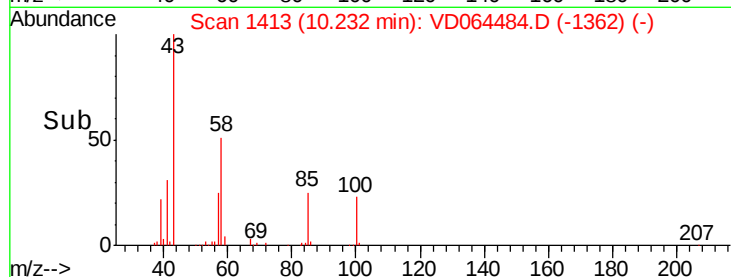
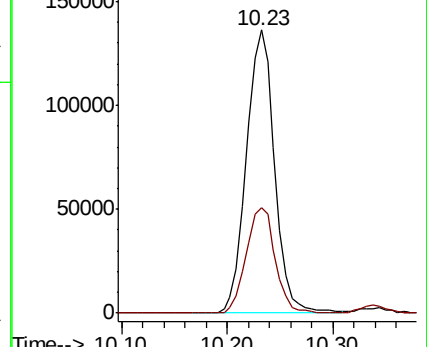
43 100

58 38.4 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.732 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064484.D

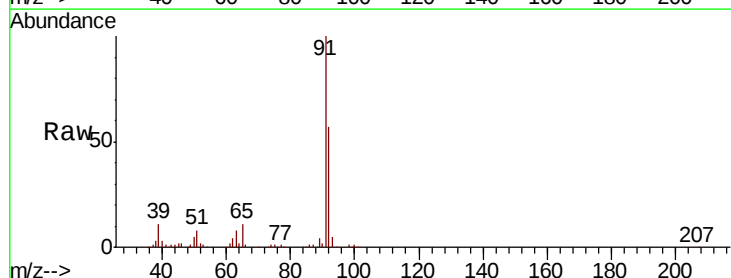
Acq: 10 Dec 2019 11:43

Tgt Ion: 92 Resp: 252835

Ion Ratio Lower Upper

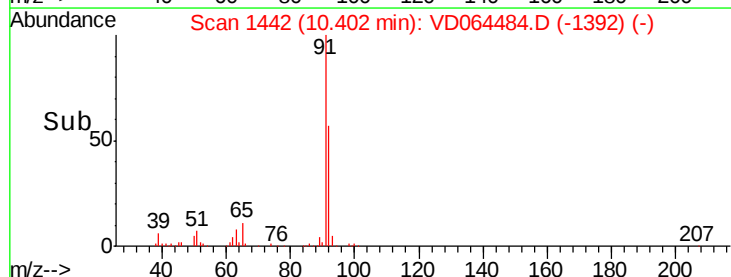
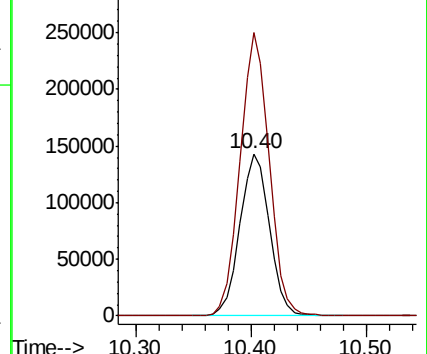
92 100

91 172.6 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.854 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

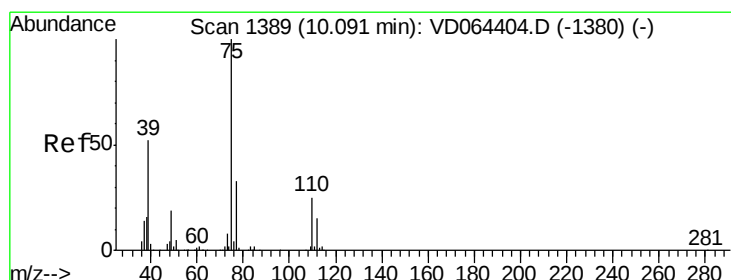
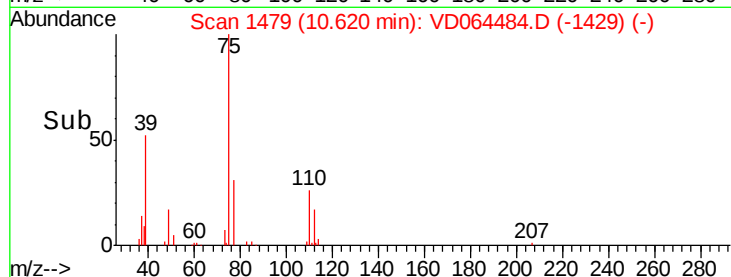
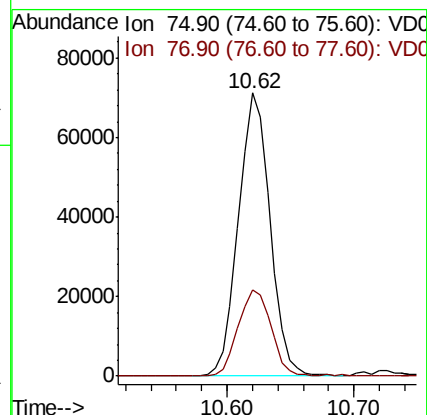
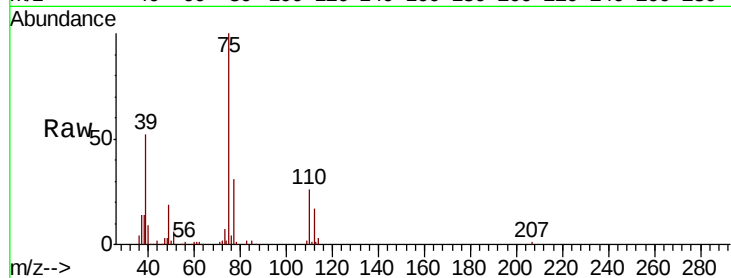
ClientSampleId :

Tot Ion: 75 Resp: 123057

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.044 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

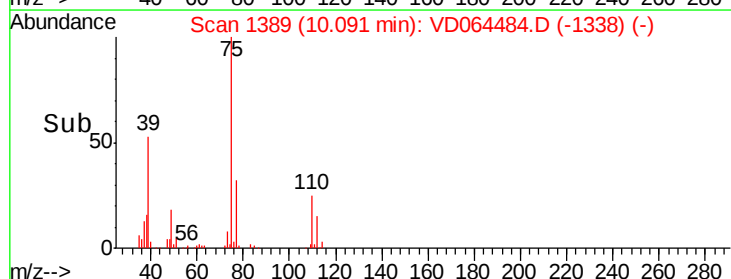
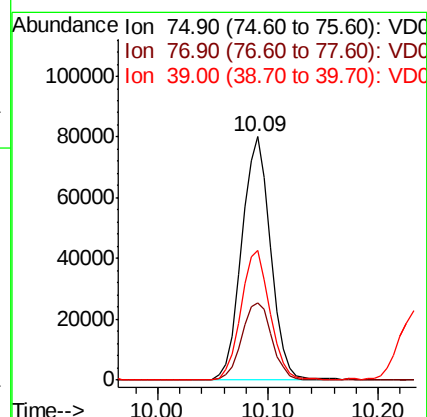
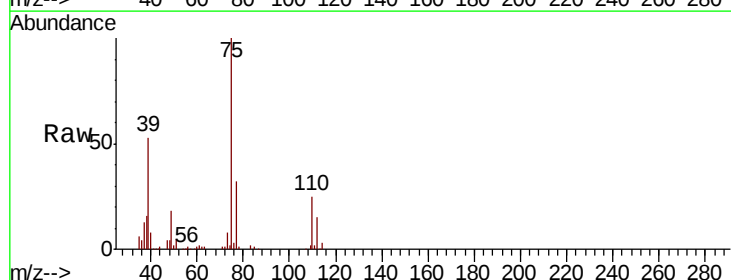
Tgt Ion: 75 Resp: 147517

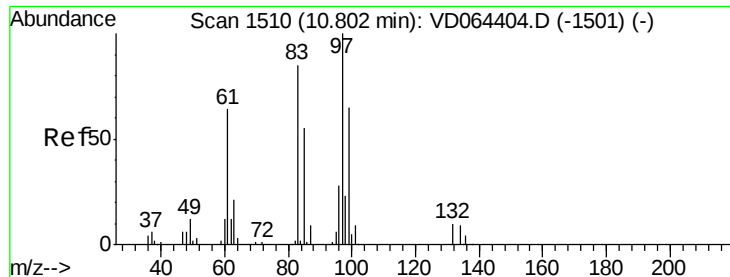
Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1

39 53.5 41.5 62.3

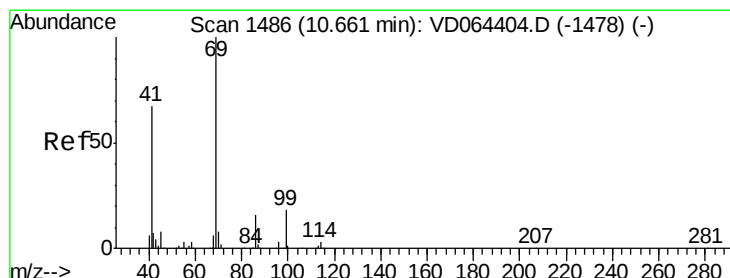
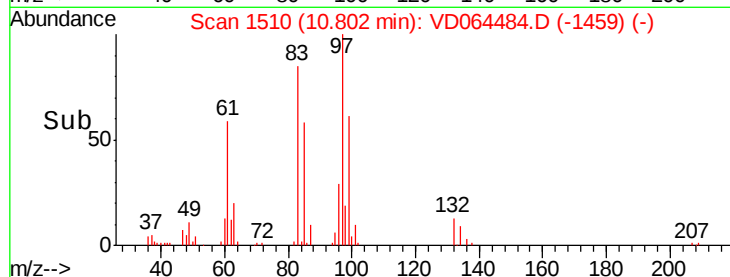
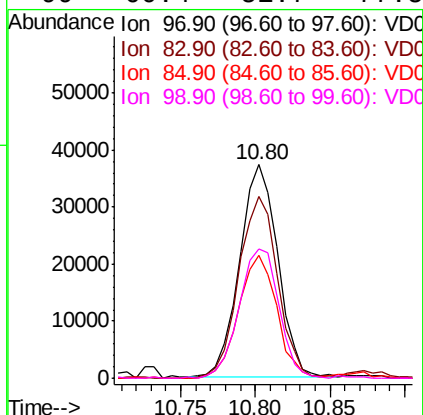
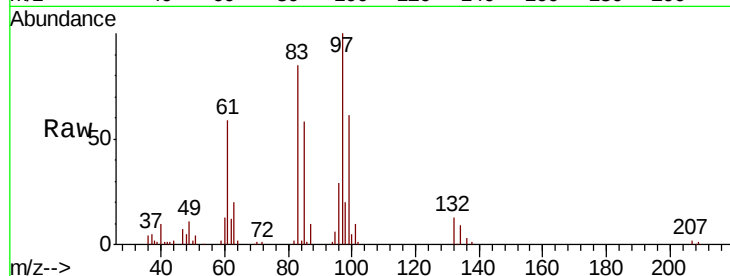




#55
 1,1,2-Trichloroethane
 Concen: 20.137 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

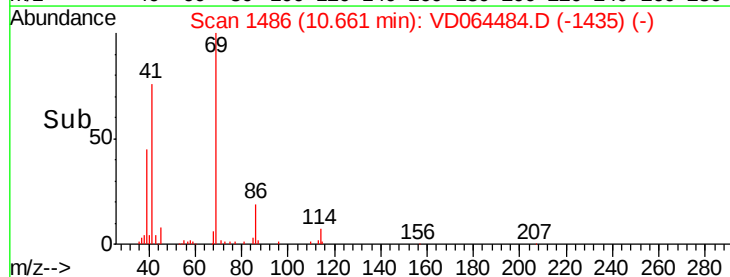
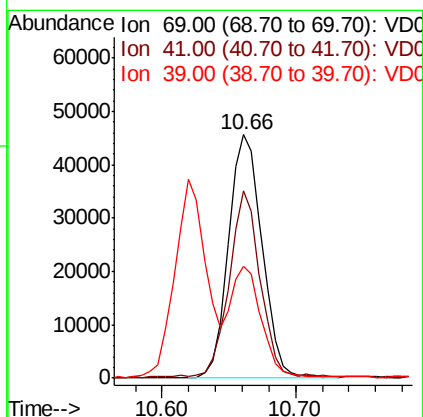
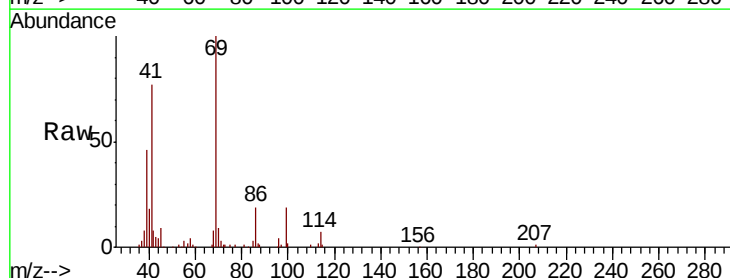
Instrument :
 MSVOA_D
 ClientSampleID :

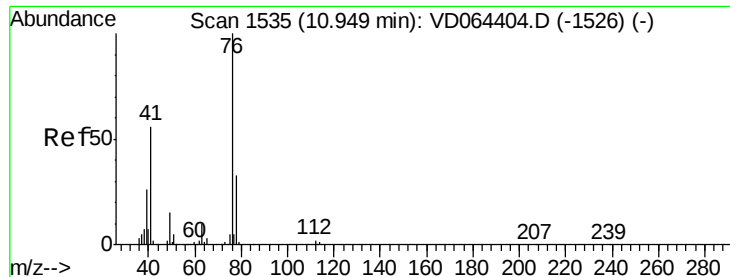
Tot Ion: 97 Resp: 66444
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.8 101.8
 85 57.9 43.7 65.5
 99 60.4 51.7 77.5



#56
 Ethyl methacrylate
 Concen: 18.975 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 69 Resp: 79856
 Ion Ratio Lower Upper
 69 100
 41 70.5 55.0 82.4
 39 41.8 33.0 49.6





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

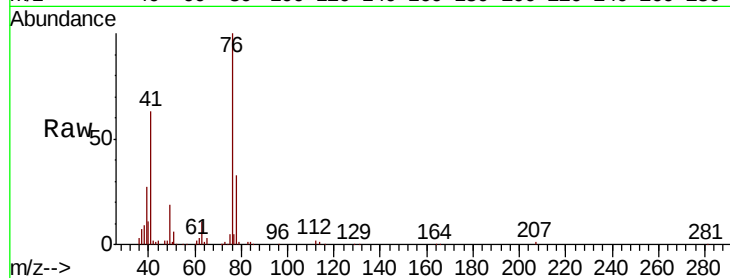
ClientSampleId :

Tot Ion: 76 Resp: 113991

Ion Ratio Lower Upper

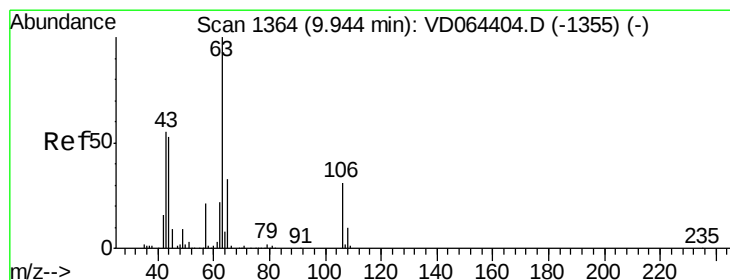
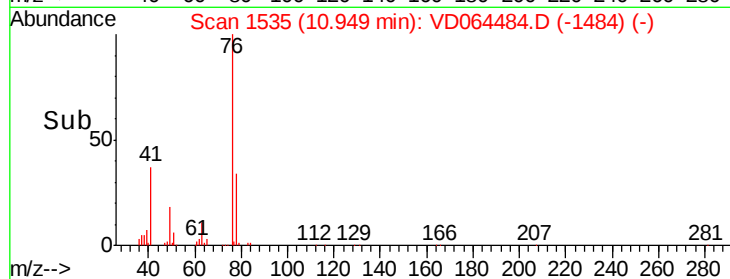
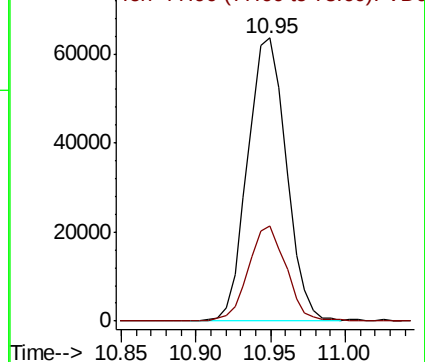
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 94.179 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064484.D

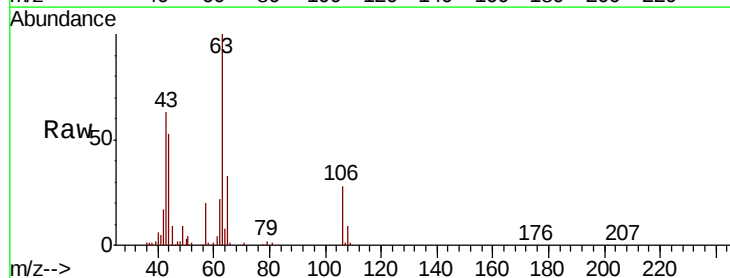
Acq: 10 Dec 2019 11:43

Tgt Ion: 63 Resp: 157997

Ion Ratio Lower Upper

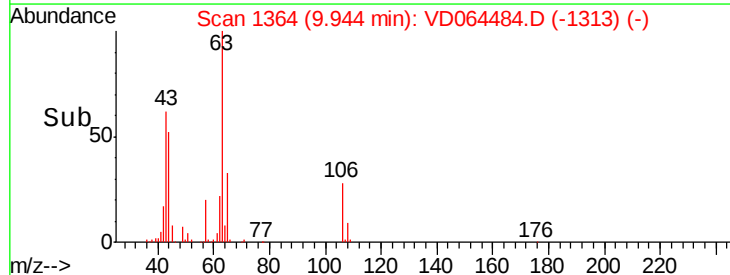
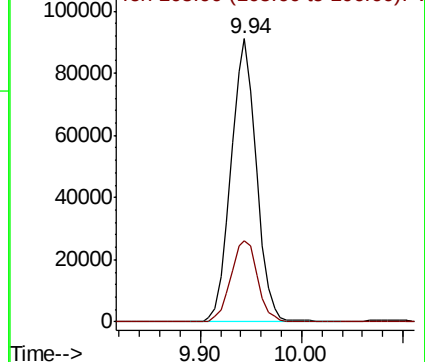
63 100

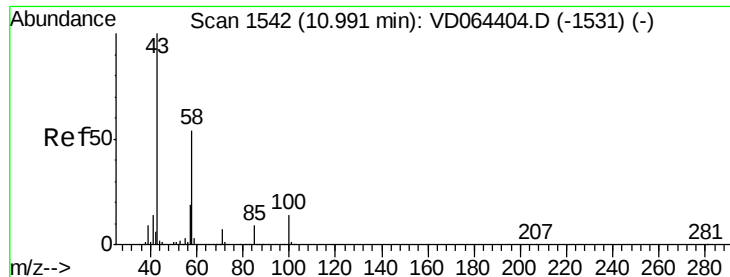
106 30.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

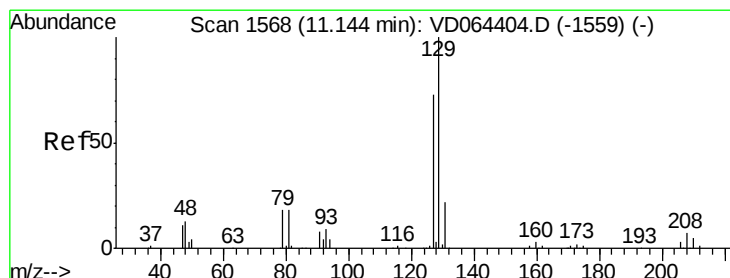
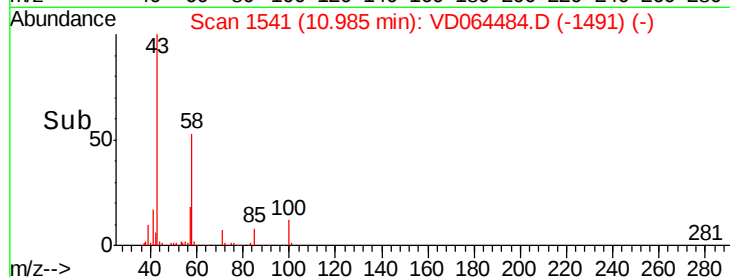
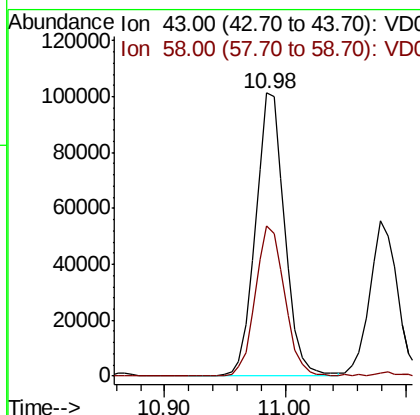
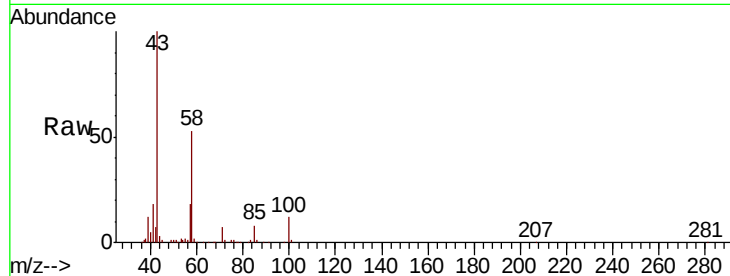




#59
2-Hexanone
Concen: 92.790 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

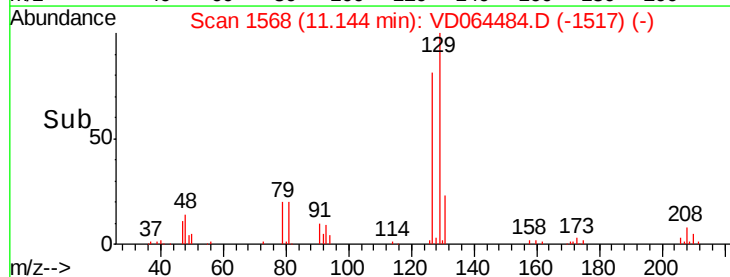
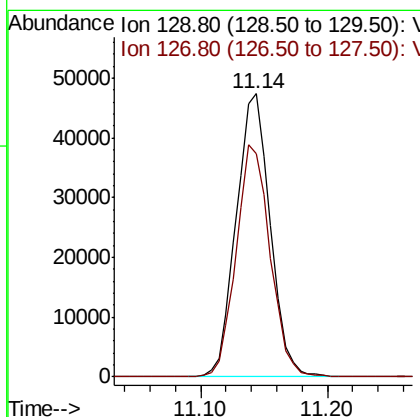
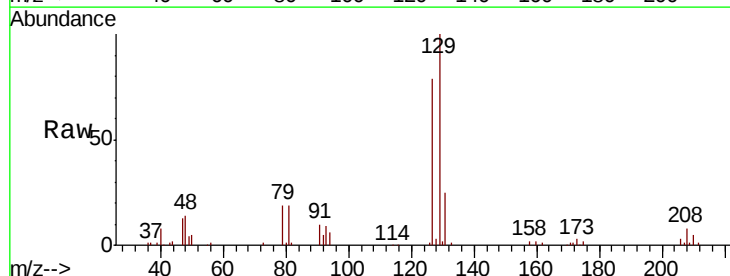
Instrument :
MSVOA_D
ClientSampled :

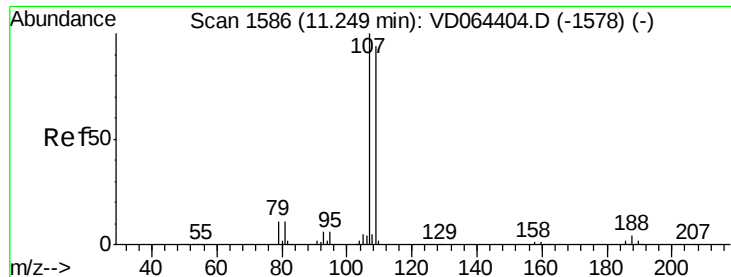
Tot Ion: 43 Resp: 170837
Ion Ratio Lower Upper
43 100
58 53.5 26.3 78.8



#60
Dibromochloromethane
Concen: 19.686 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 129 Resp: 88069
Ion Ratio Lower Upper
129 100
127 81.6 38.1 114.3

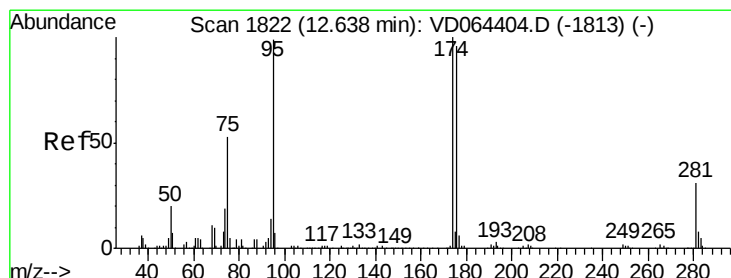
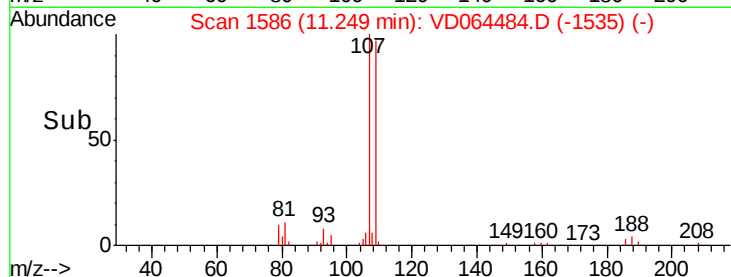
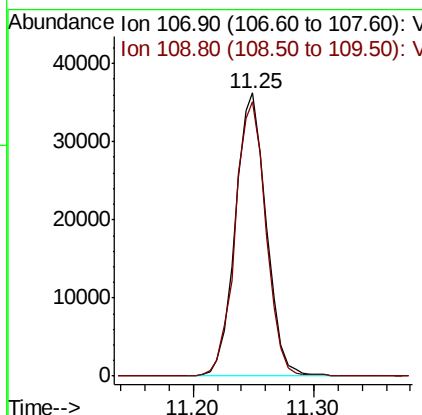
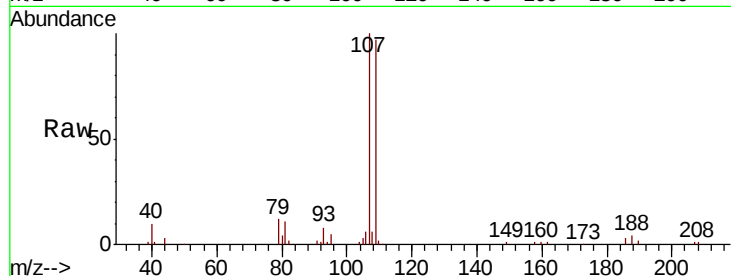




#61
 1,2-Dibromoethane
 Concen: 19.609 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

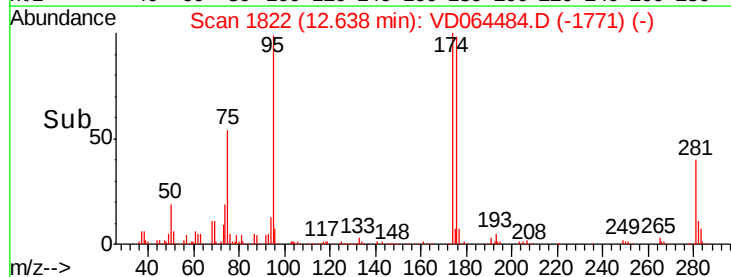
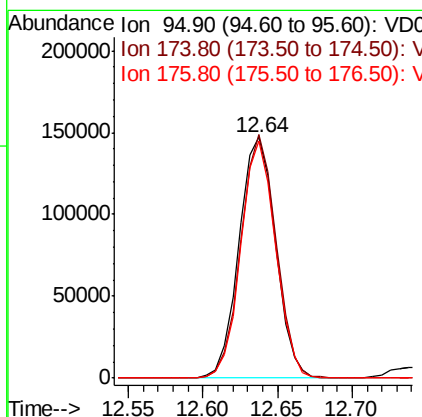
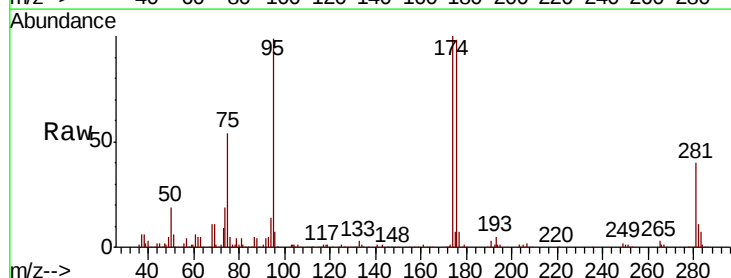
Instrument :
 MSVOA_D
 ClientSampleId :

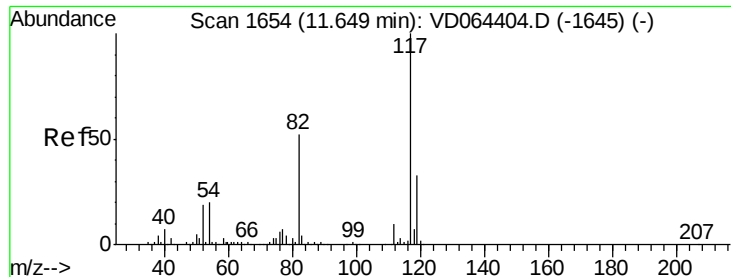
Tot Ion:107 Resp: 64600
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 48.157 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion: 95 Resp: 249601
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 197.2
 176 93.7 0.0 189.6

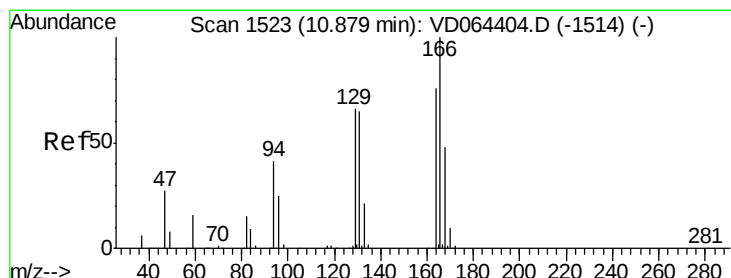
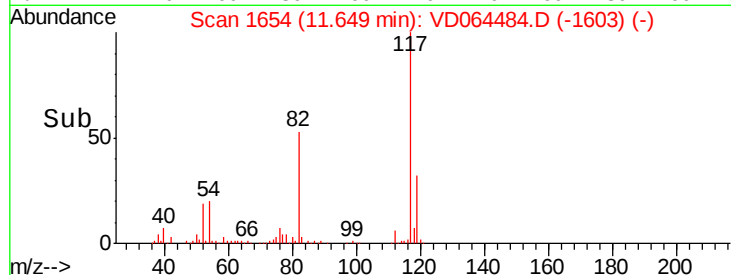
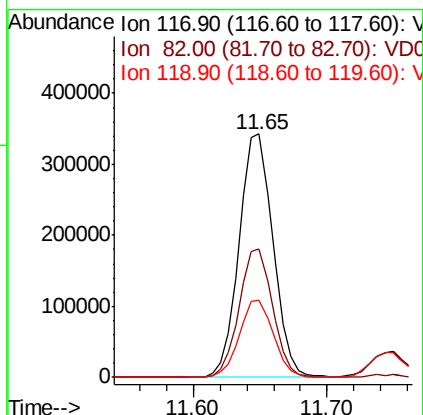
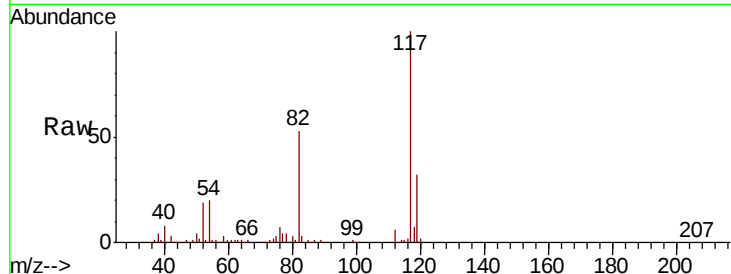




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

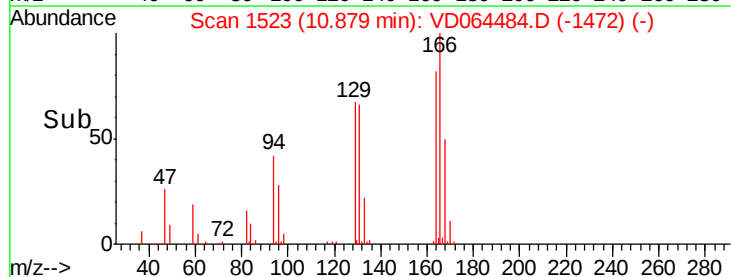
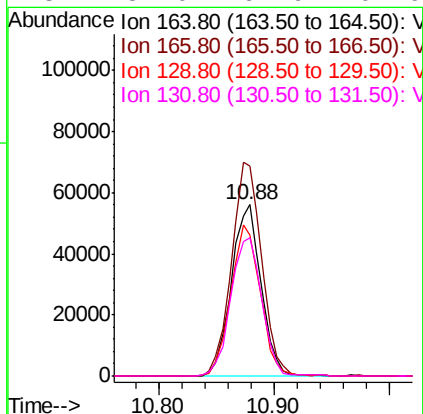
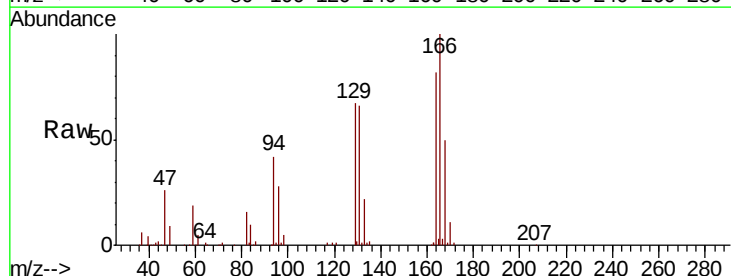
Instrument :
MSVOA_D
ClientSampled :

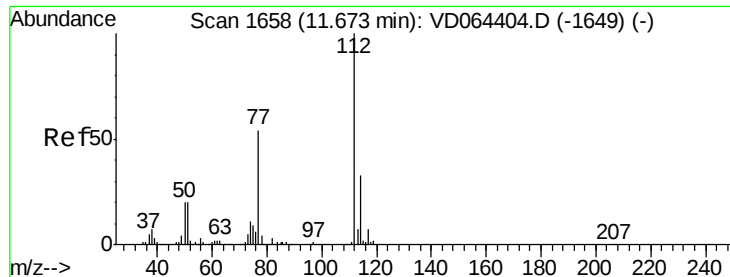
Tot Ion:117 Resp: 603025
Ion Ratio Lower Upper
117 100
82 52.9 41.4 62.2
119 31.7 26.2 39.2



#64
Tetrachloroethene
Concen: 21.573 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion:164 Resp: 99206
Ion Ratio Lower Upper
164 100
166 122.4 104.8 157.2
129 82.3 68.7 103.1
131 81.0 67.9 101.9

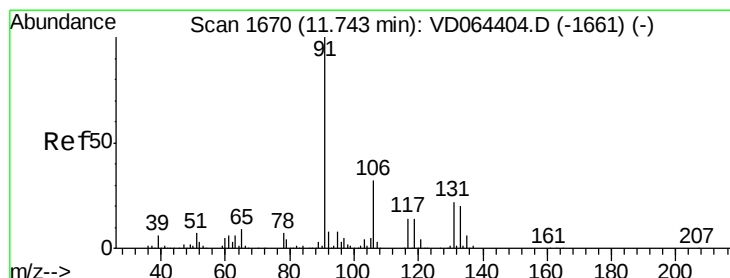
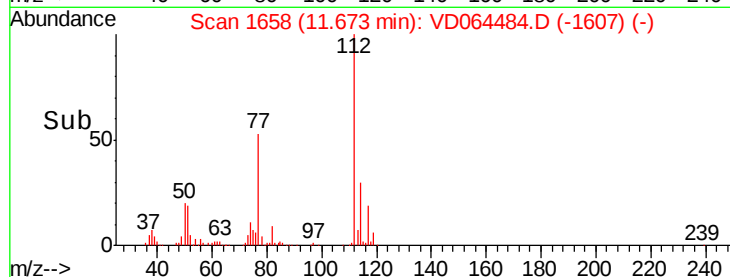
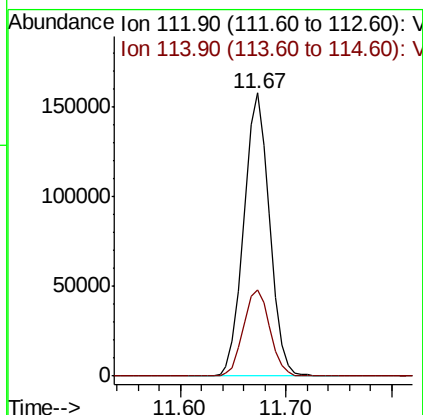
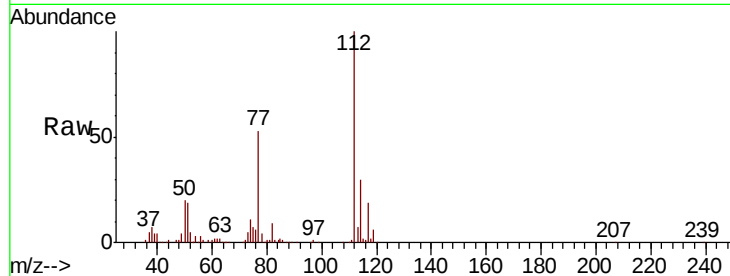




#65
Chlorobenzene
Concen: 21.292 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

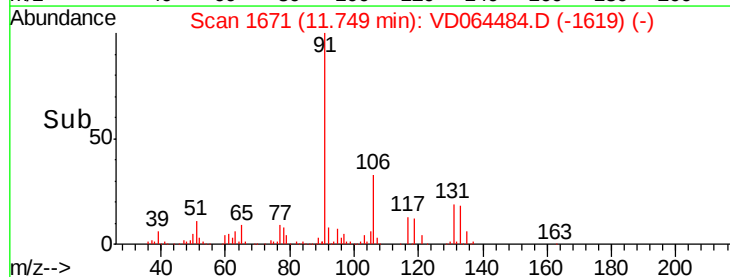
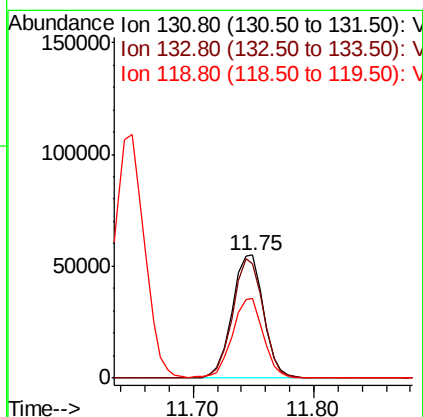
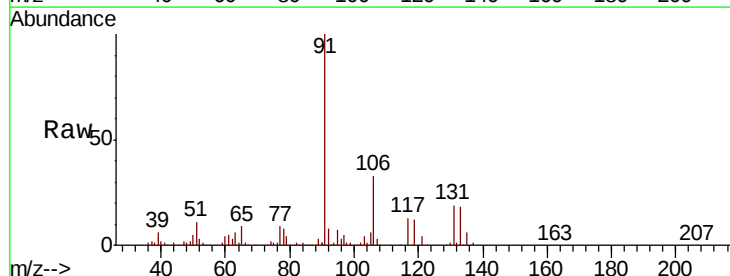
Instrument :
MSVOA_D
ClientSampleId :

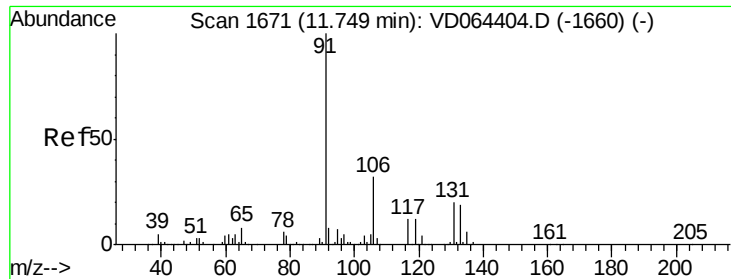
Tot Ion:112 Resp: 267787
Ion Ratio Lower Upper
112 100
114 30.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.474 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion:131 Resp: 99980
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.9
119 63.7 31.9 95.9





#67

Ethyl Benzene

Concen: 21.529 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

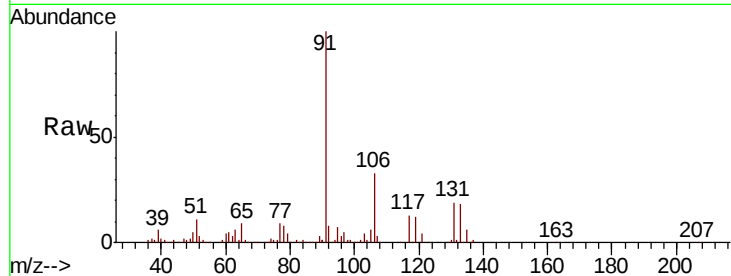
ClientSampleId :

Tot Ion: 91 Resp: 481758

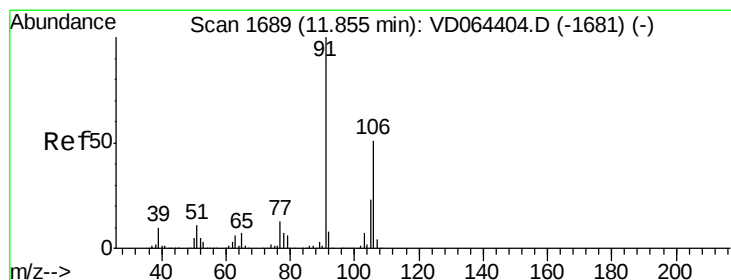
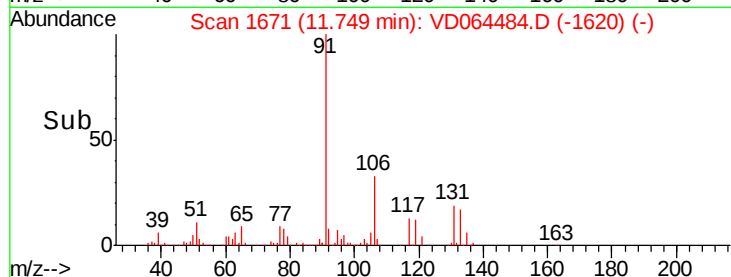
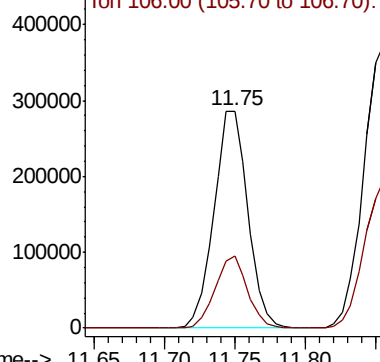
Ion Ratio Lower Upper

91 100

106 33.2 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.126 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064484.D

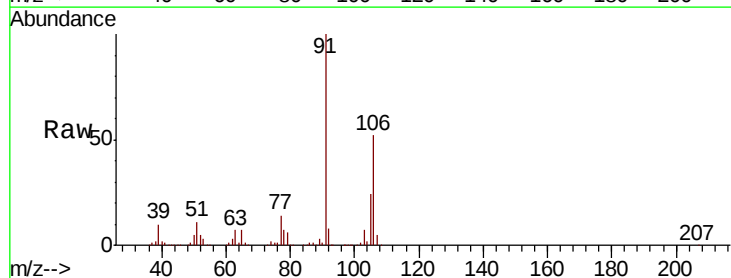
Acq: 10 Dec 2019 11:43

Tgt Ion: 106 Resp: 367963

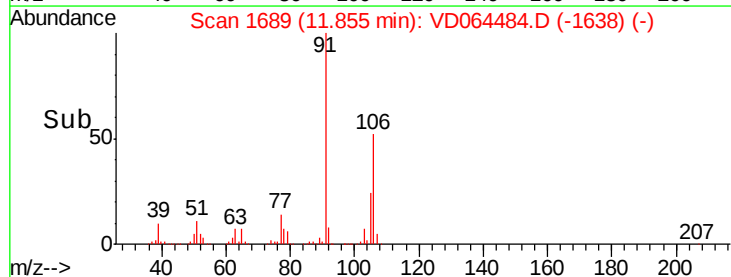
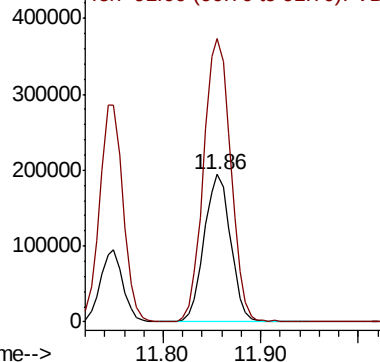
Ion Ratio Lower Upper

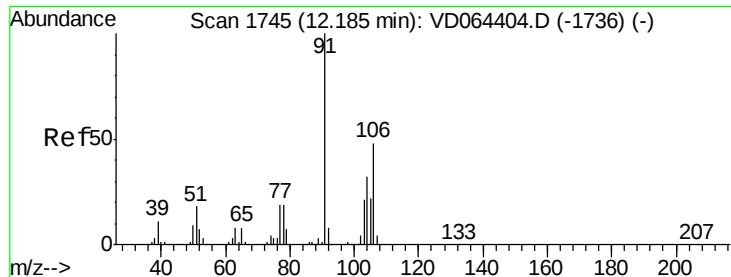
106 100

91 196.3 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

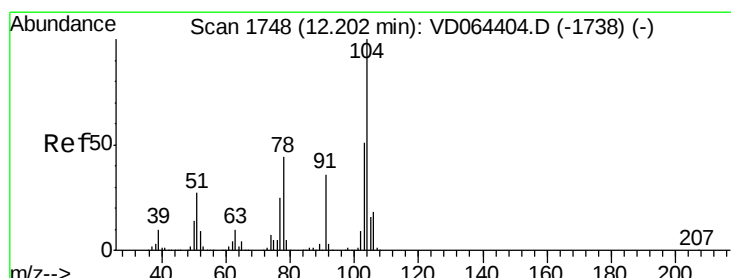
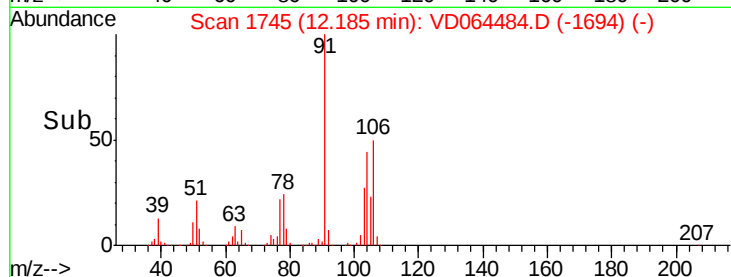
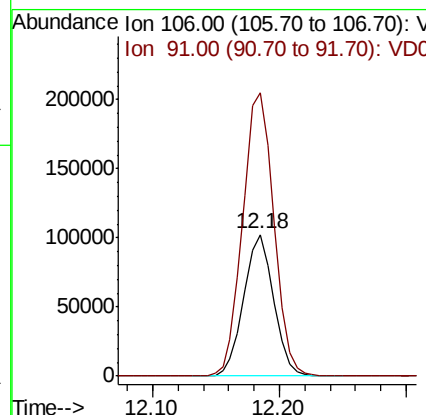
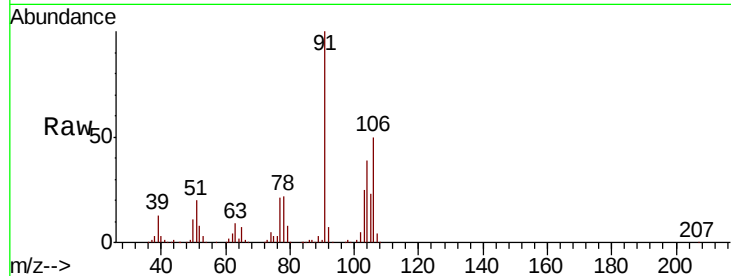




#69
o-Xylene
Concen: 21.328 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

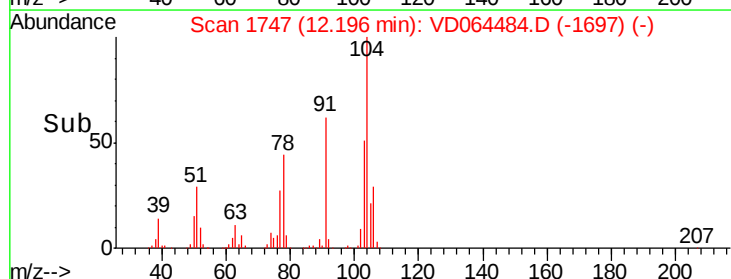
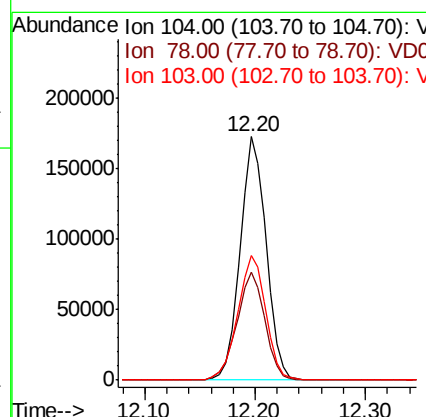
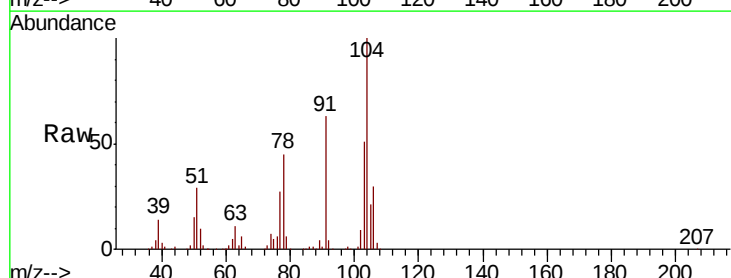
Instrument :
MSVOA_D
ClientSampled :

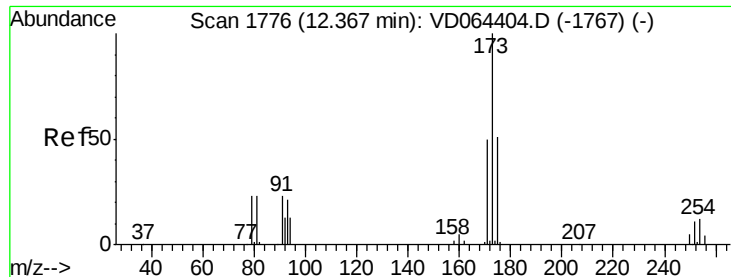
Tot Ion:106 Resp: 168068
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.4



#70
Styrene
Concen: 20.890 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion:104 Resp: 286059
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 55.2 44.2 66.4

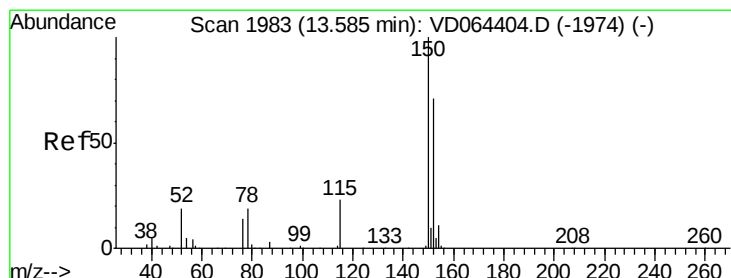
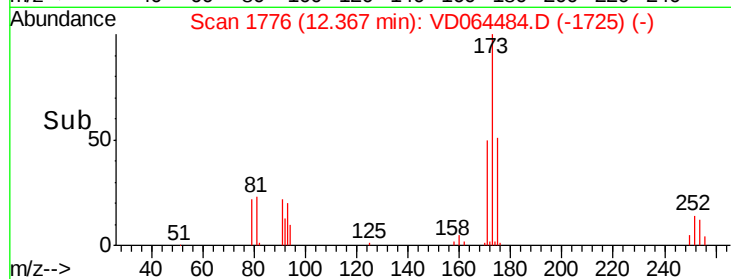
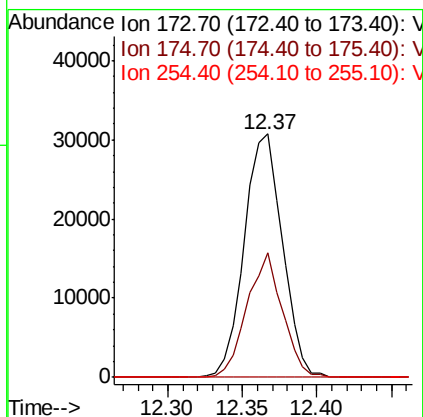
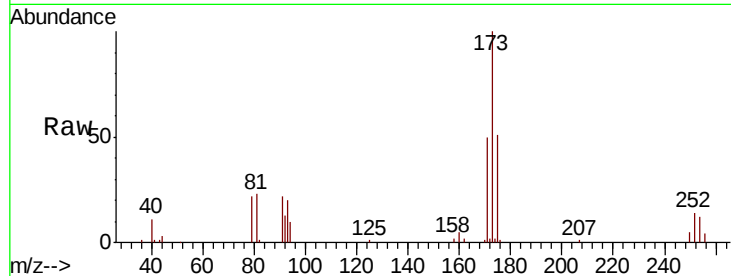




#71
Bromoform
Concen: 19.558 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

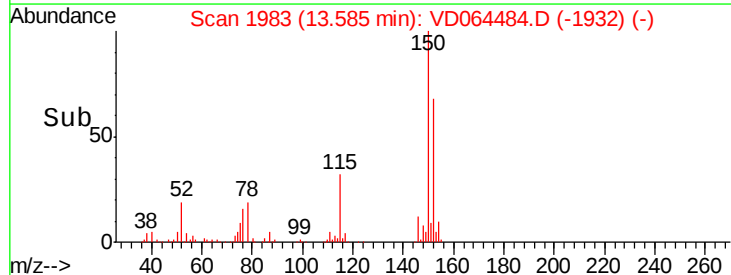
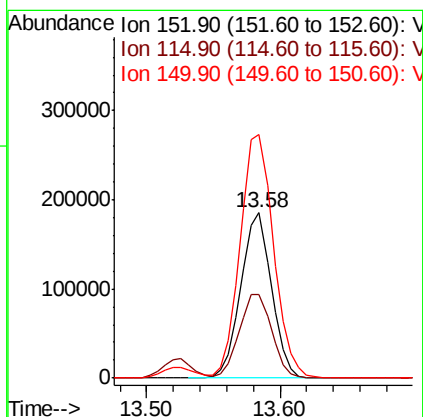
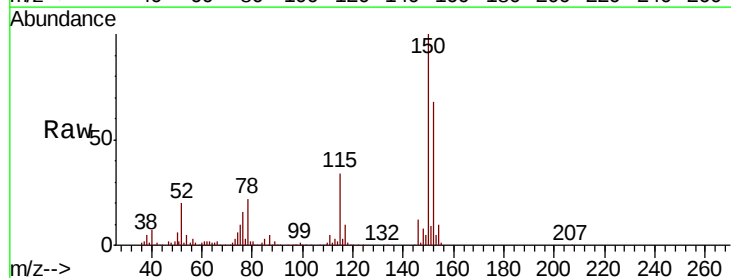
Instrument :
MSVOA_D
ClientSampleId :

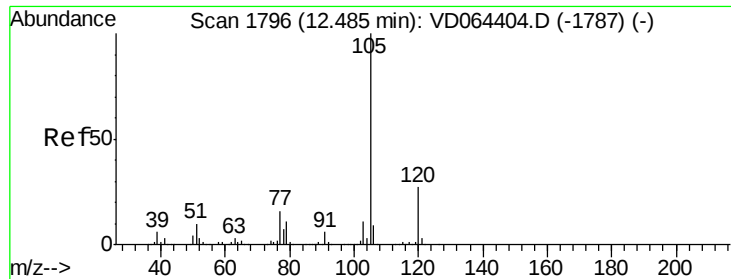
Tot Ion:173 Resp: 54481
Ion Ratio Lower Upper
173 100
175 47.2 25.3 75.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion:152 Resp: 294015
Ion Ratio Lower Upper
152 100
115 53.6 26.7 80.1
150 161.4 0.0 347.2





#73

Isopropylbenzene

Concen: 21.951 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

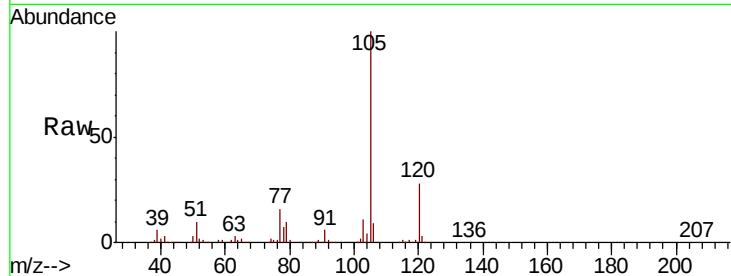
ClientSampleId :

Tot Ion:105 Resp: 464172

Ion Ratio Lower Upper

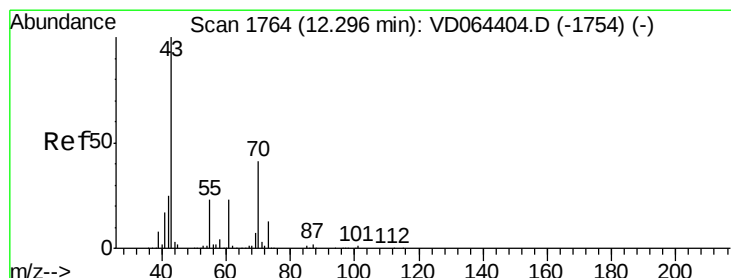
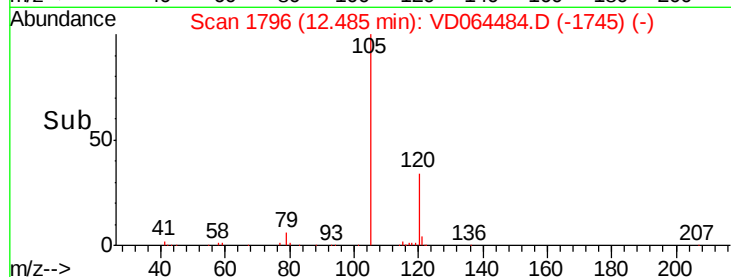
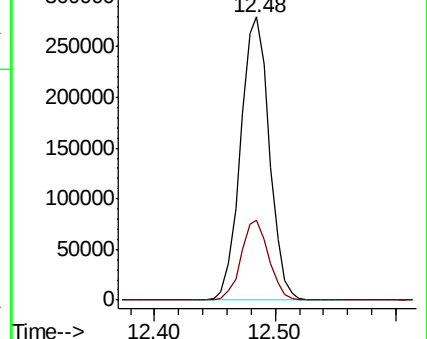
105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.215 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Tgt Ion: 43 Resp: 92219

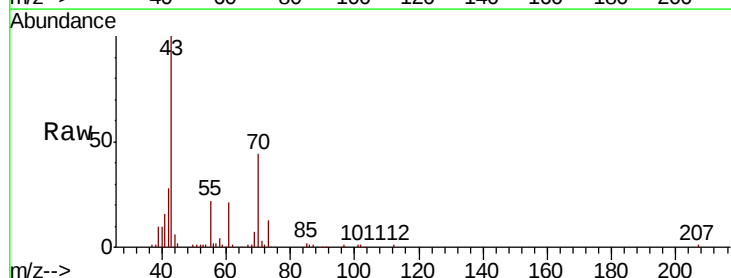
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 24.6 18.9 28.3

61 22.7 18.5 27.7

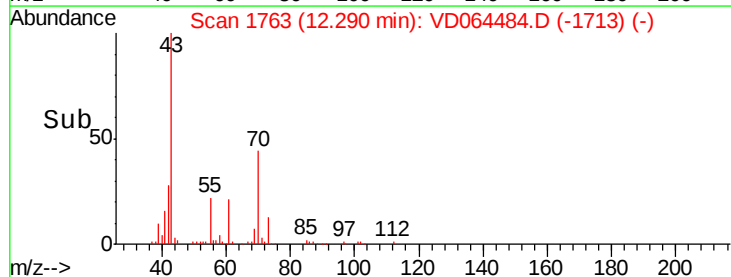
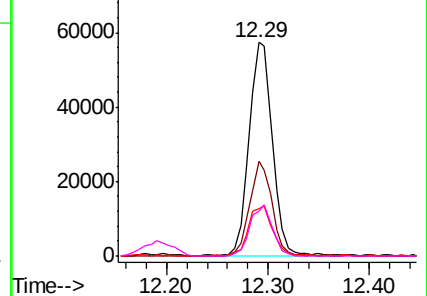


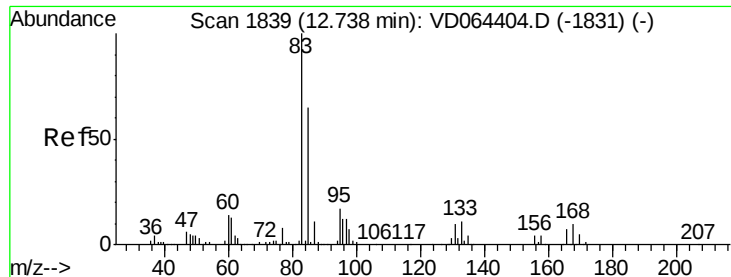
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.456 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

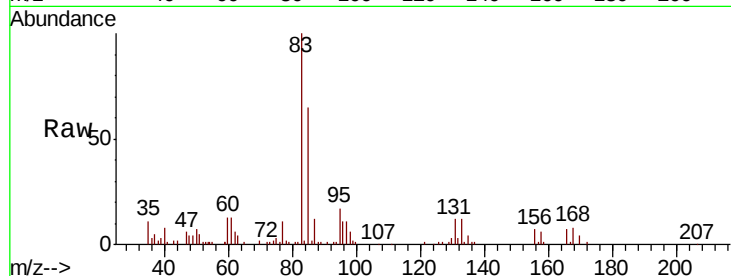
Tot Ion: 83 Resp: 68036

Ion Ratio Lower Upper

83 100

131 12.0 5.7 17.0

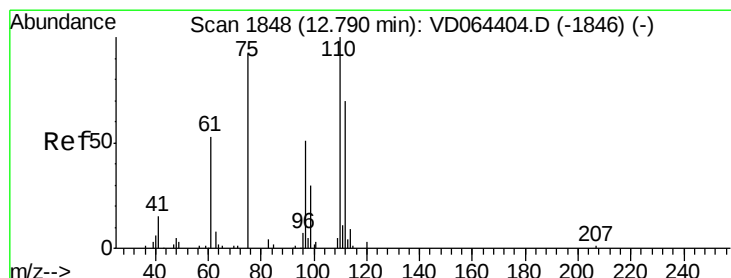
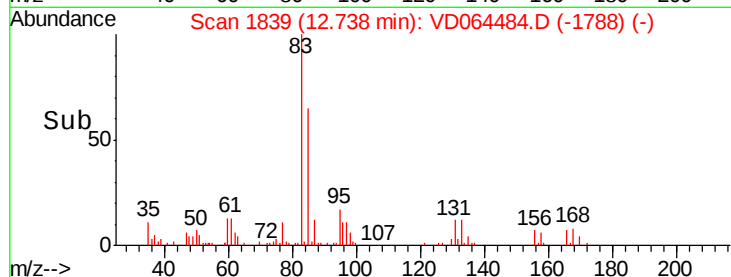
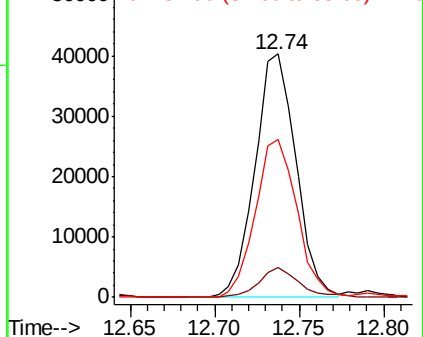
85 65.7 31.3 93.9



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: 36.844 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064484.D

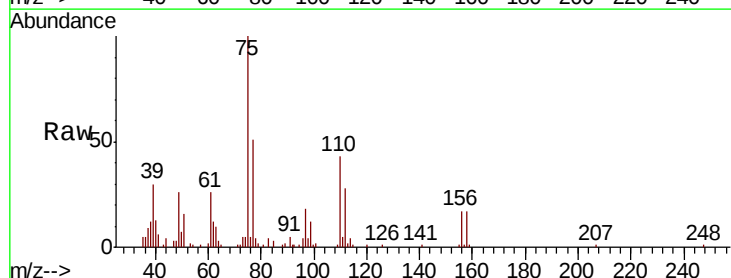
Acq: 10 Dec 2019 11:43

Tgt Ion: 75 Resp: 89084

Ion Ratio Lower Upper

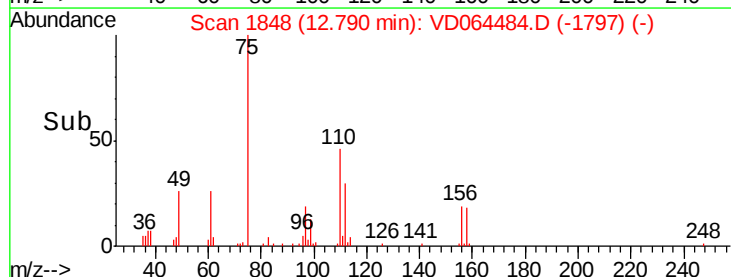
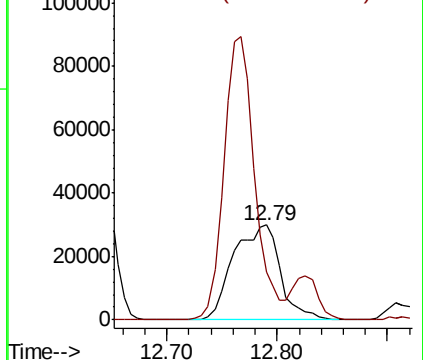
75 100

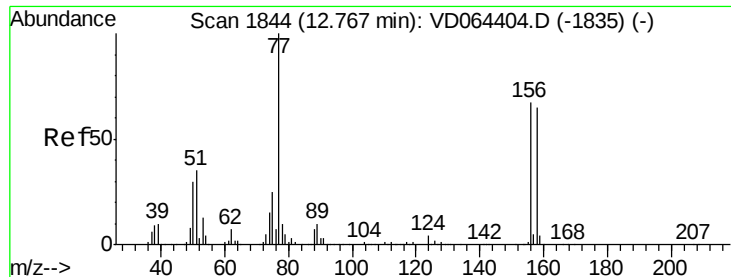
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.086 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampled :

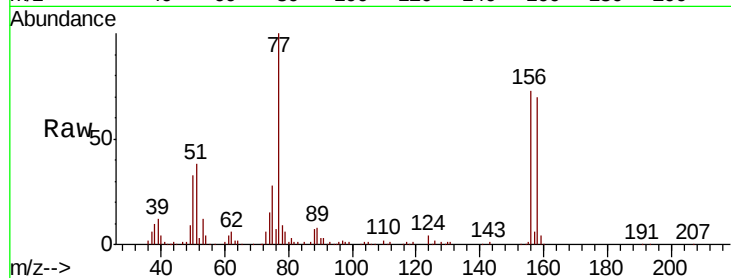
Tot Ion:156 Resp: 110110

Ion Ratio Lower Upper

156 100

77 158.9 80.0 240.2

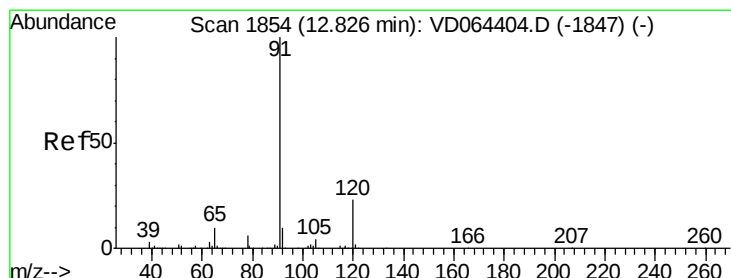
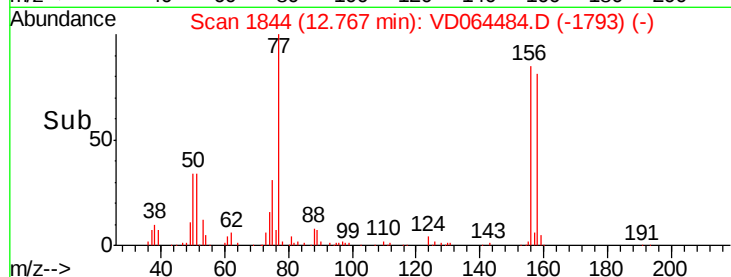
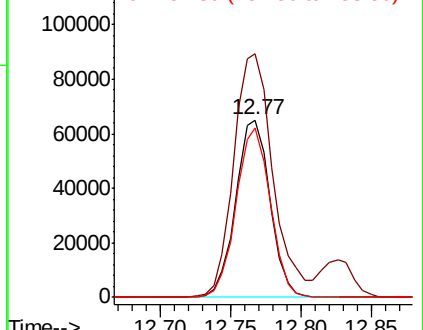
158 95.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.066 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064484.D

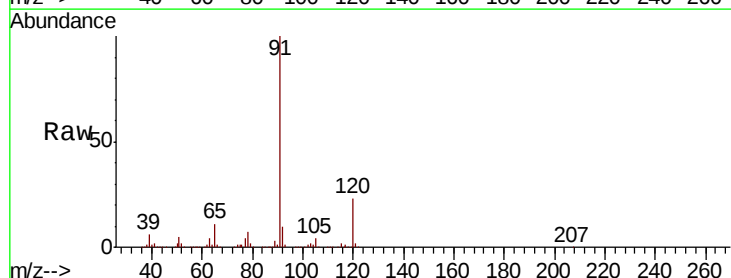
Acq: 10 Dec 2019 11:43

Tgt Ion: 91 Resp: 538380

Ion Ratio Lower Upper

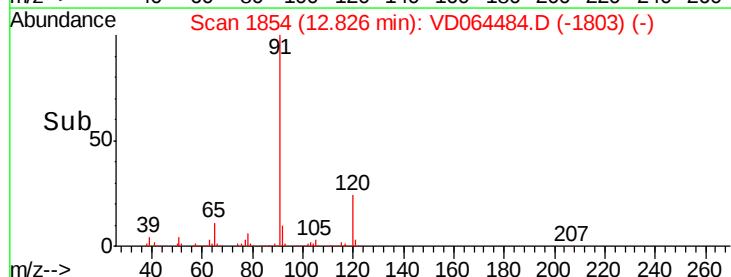
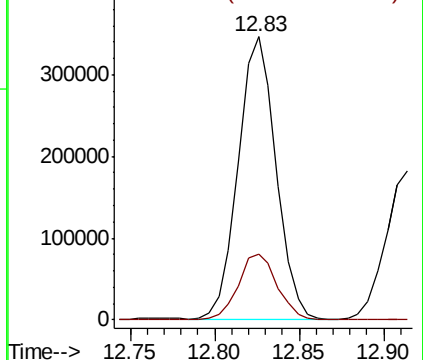
91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.945 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

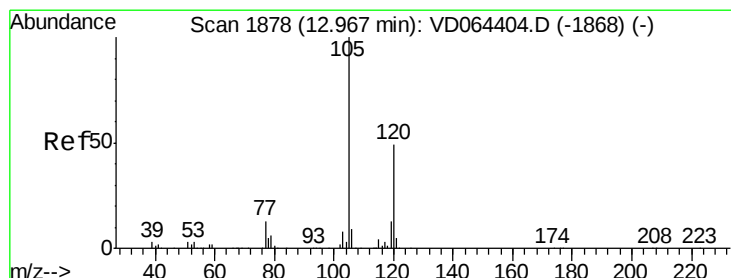
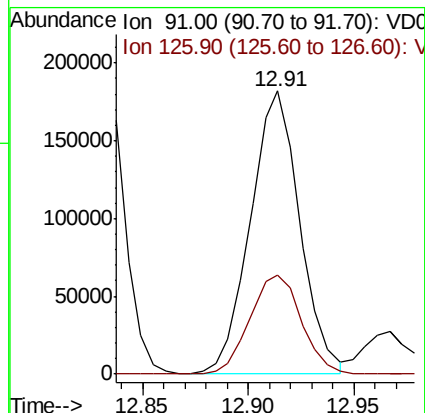
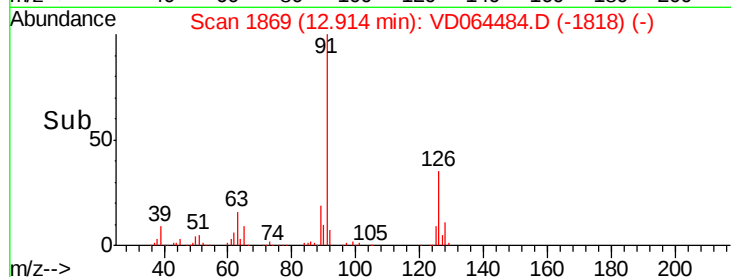
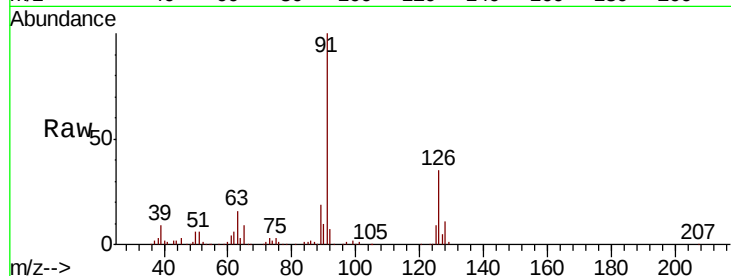
ClientSampleId :

Tot Ion: 91 Resp: 294617

Ion Ratio Lower Upper

91 100

126 36.5 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 21.820 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064484.D

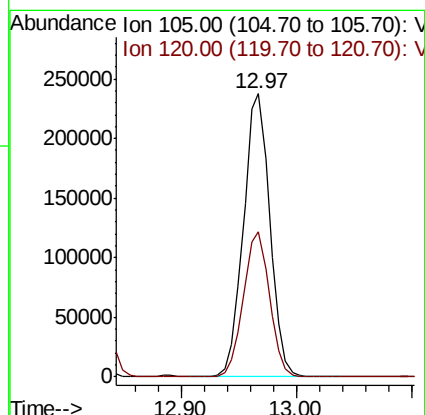
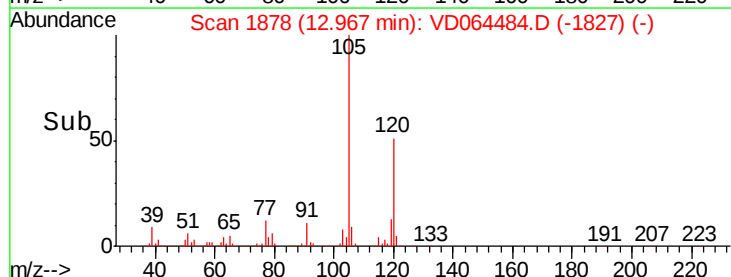
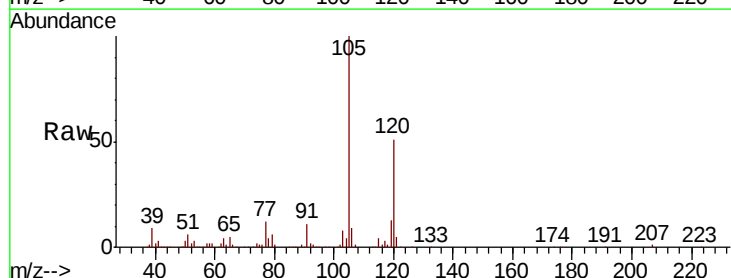
Acq: 10 Dec 2019 11:43

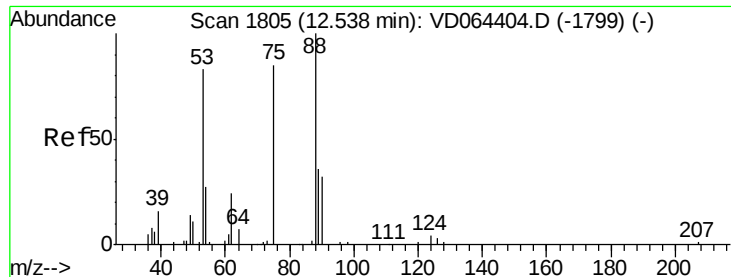
Tgt Ion:105 Resp: 377062

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.314 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

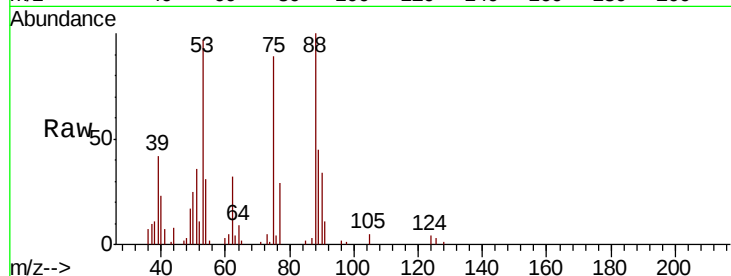
Tot Ion: 75 Resp: 22525

Ion Ratio Lower Upper

75 100

53 98.1 81.0 121.6

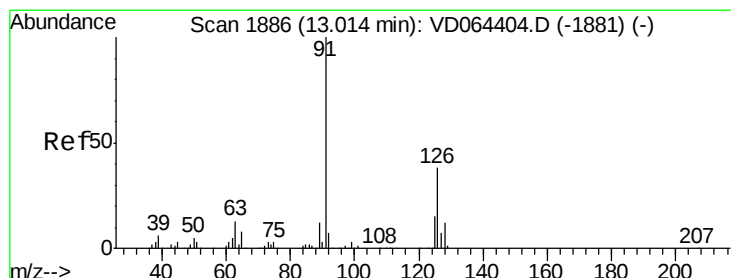
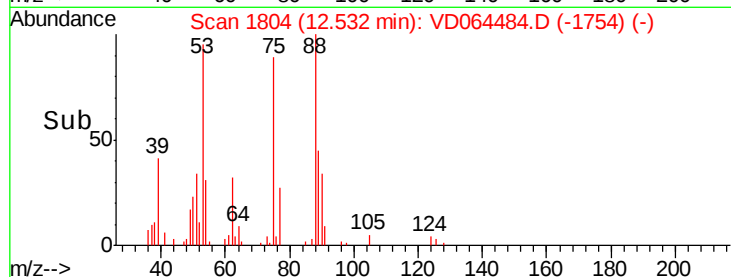
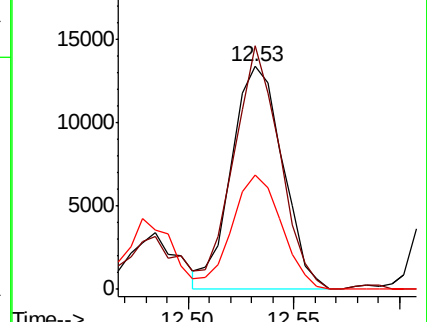
89 49.8 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.513 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064484.D

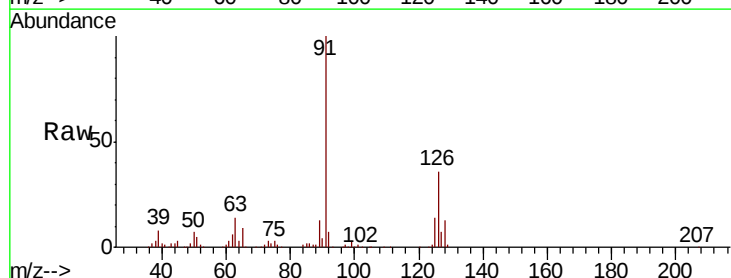
Acq: 10 Dec 2019 11:43

Tgt Ion: 91 Resp: 305794

Ion Ratio Lower Upper

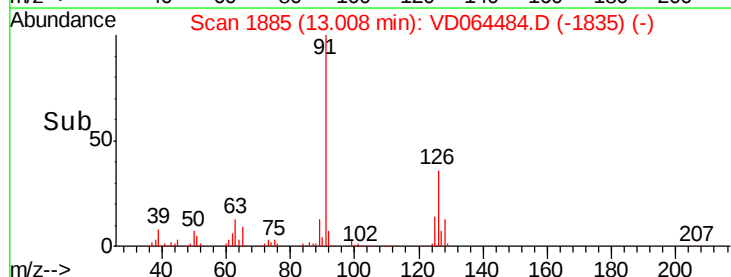
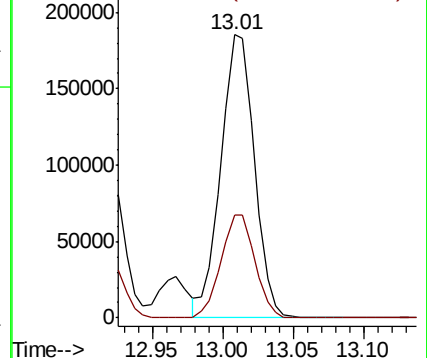
91 100

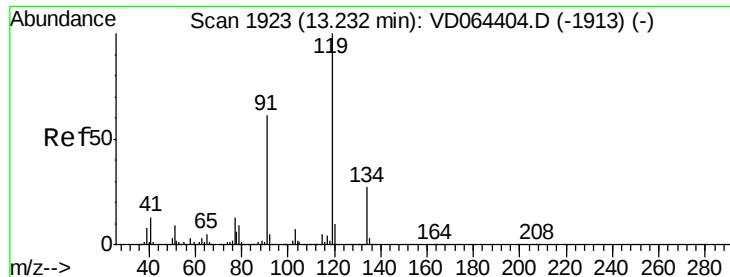
126 36.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.029 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampled :

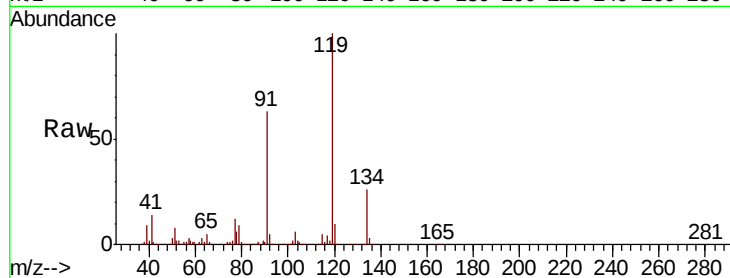
Tot Ion:119 Resp: 330937

Ion Ratio Lower Upper

119 100

91 60.7 31.2 93.6

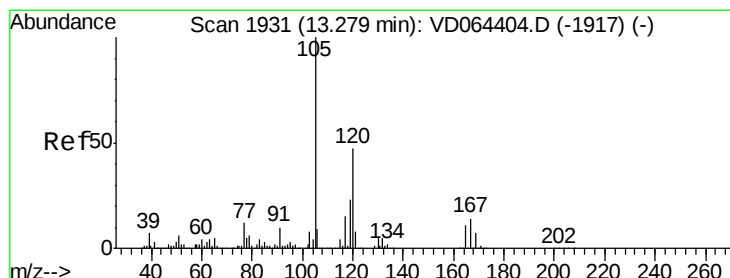
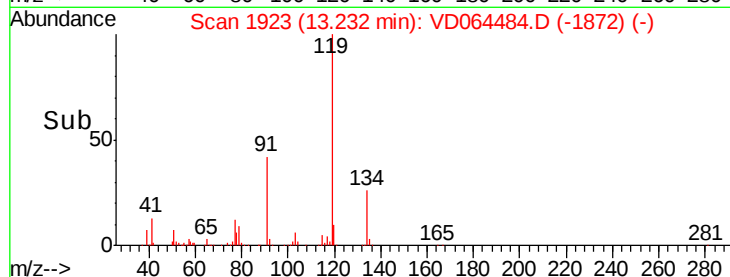
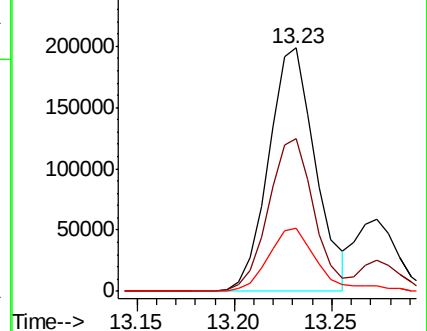
134 27.6 13.9 41.7



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: 21.183 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064484.D

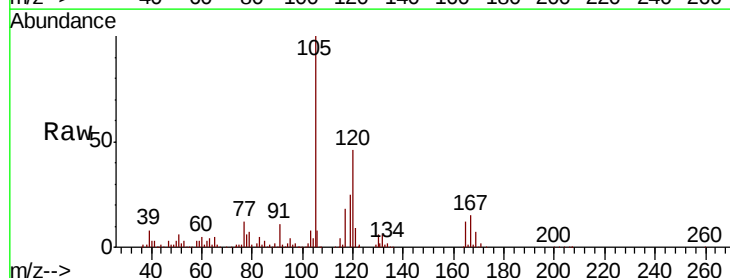
Acq: 10 Dec 2019 11:43

Tgt Ion:105 Resp: 368076

Ion Ratio Lower Upper

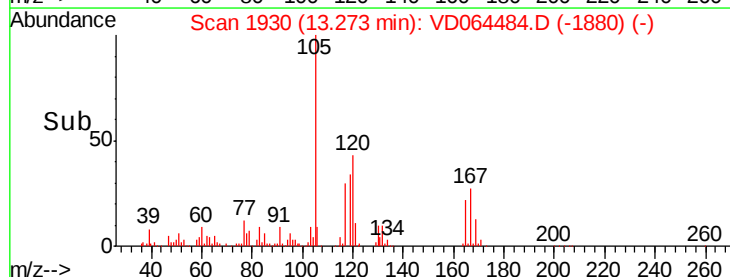
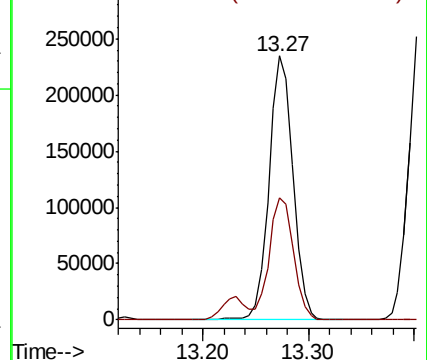
105 100

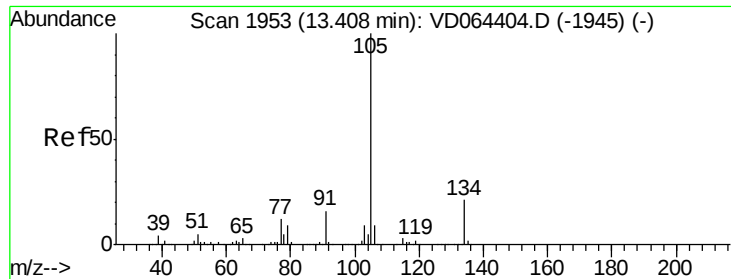
120 47.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

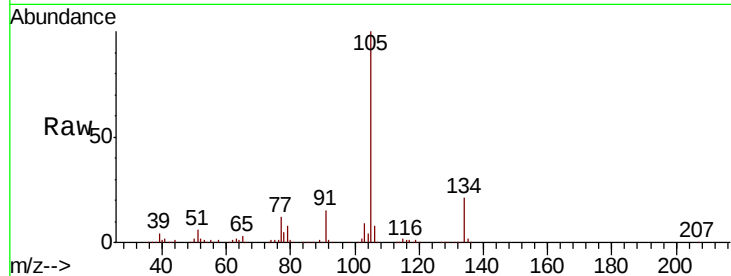
ClientSampleId :

Tot Ion:105 Resp: 450592

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

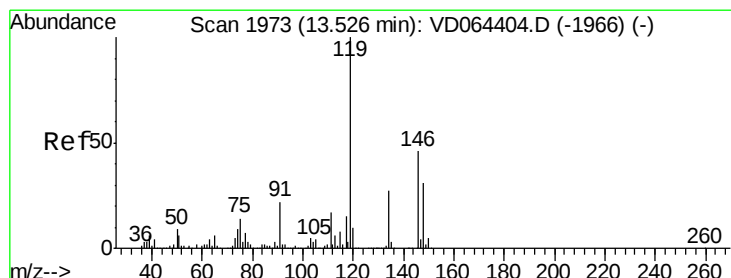
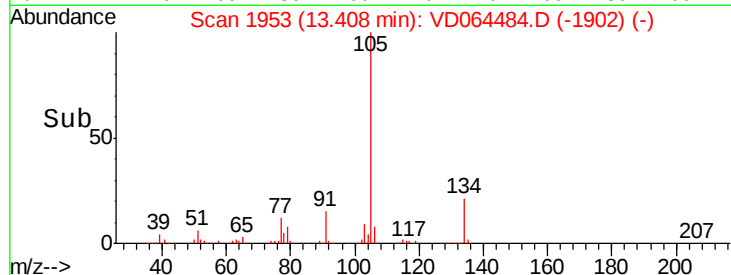
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.457 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

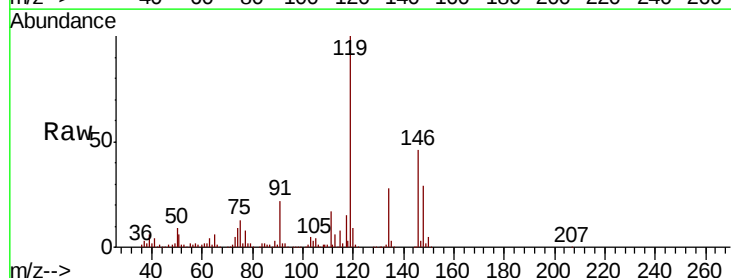
Tgt Ion:119 Resp: 417694

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

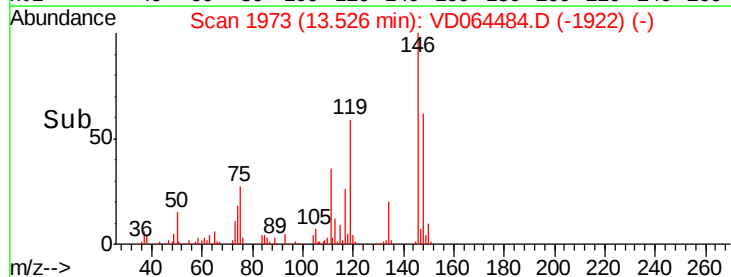
300000

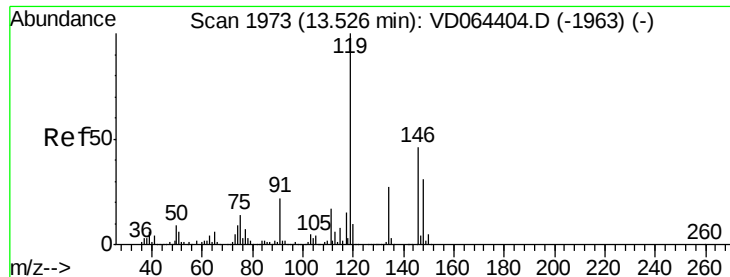
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.719 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

Instrument :

MSVOA_D

ClientSampleId :

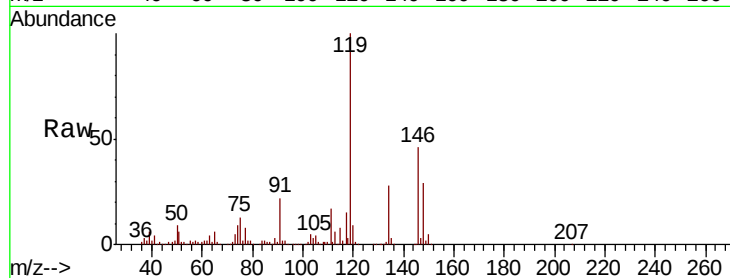
Tot Ion:146 Resp: 205344

Ion Ratio Lower Upper

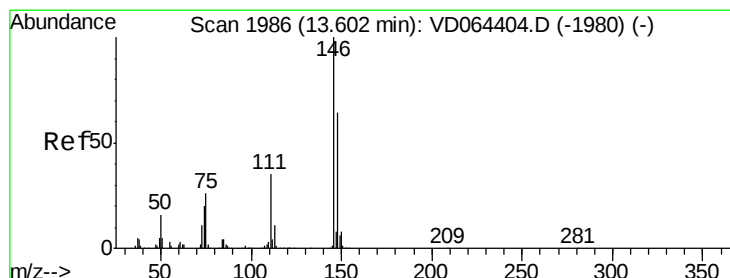
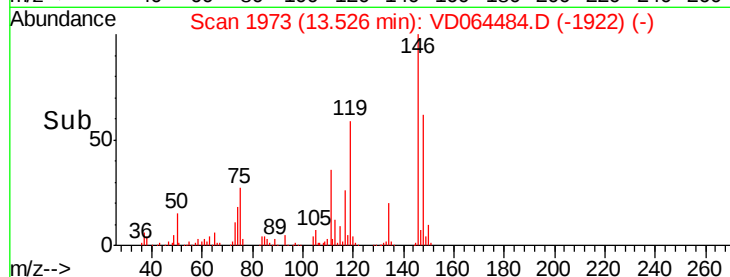
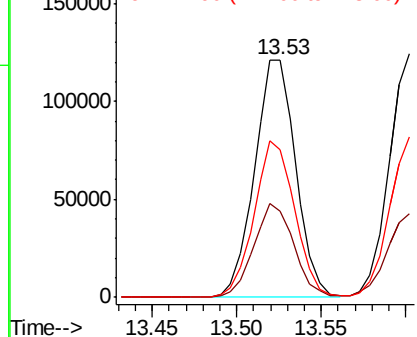
146 100

111 38.2 18.8 56.4

148 64.8 32.6 97.8



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: 21.073 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064484.D

Acq: 10 Dec 2019 11:43

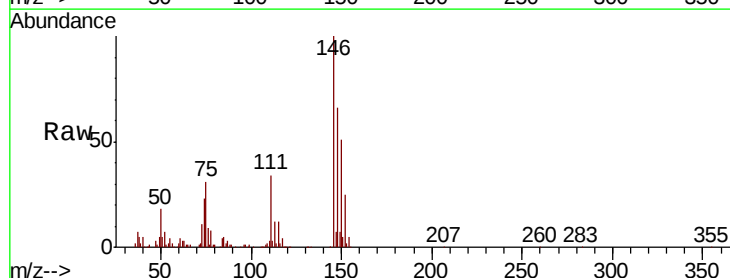
Tgt Ion:146 Resp: 206197

Ion Ratio Lower Upper

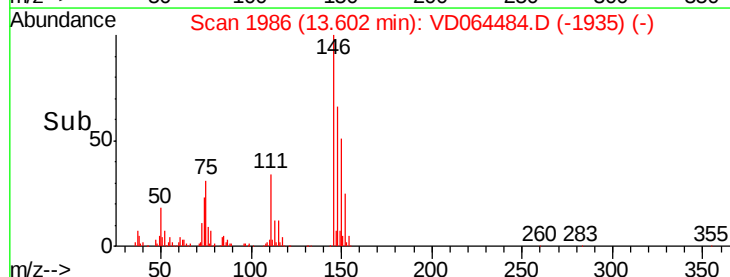
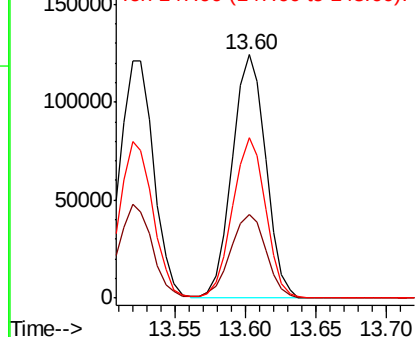
146 100

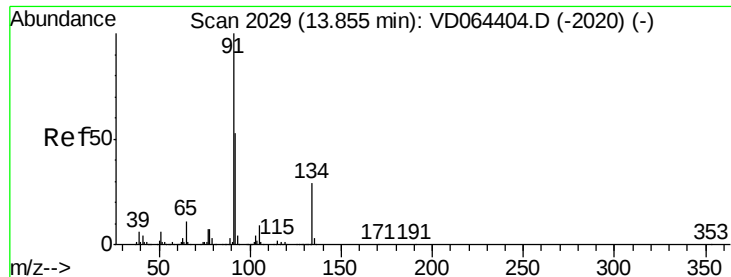
111 36.7 18.2 54.6

148 64.9 31.8 95.4



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

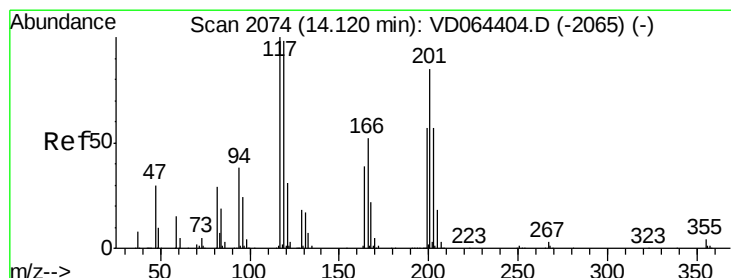
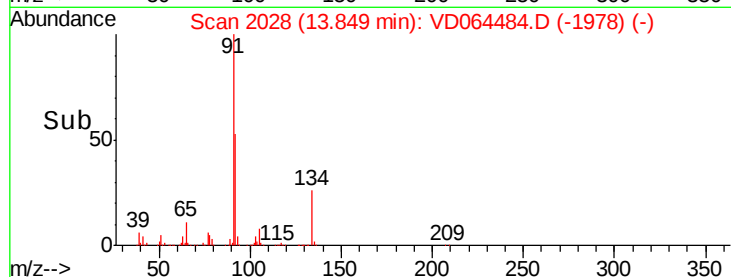
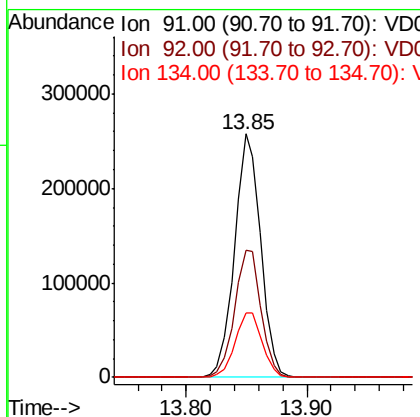
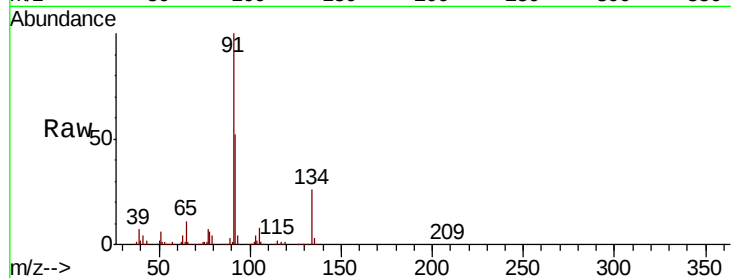




#89
n-Butylbenzene
Concen: 21.896 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

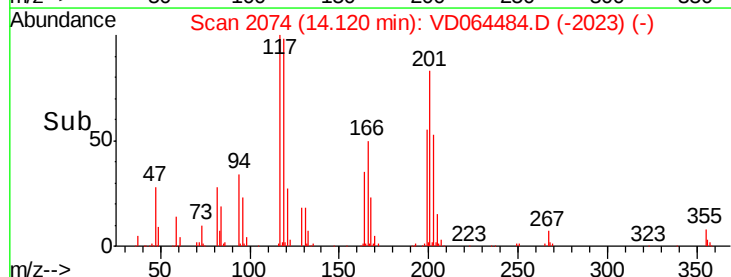
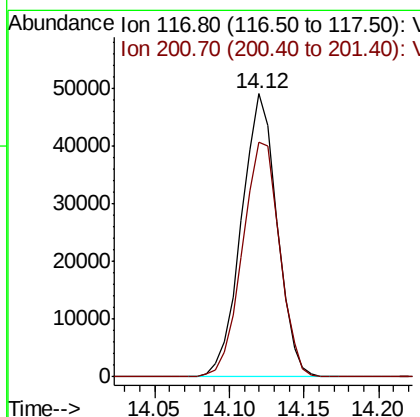
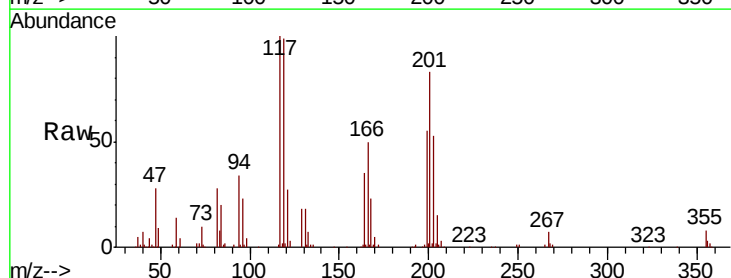
Instrument :
MSVOA_D
ClientSampleId :

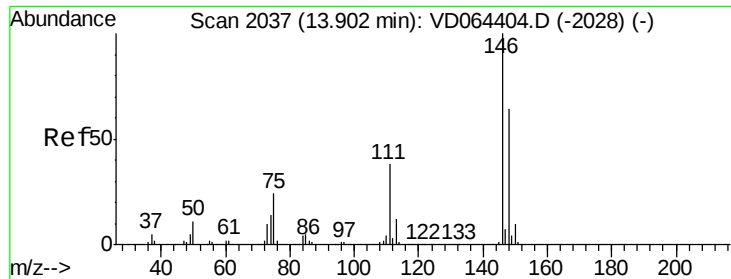
Tot Ion: 91 Resp: 387063
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.4
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 22.255 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion: 117 Resp: 81027
Ion Ratio Lower Upper
117 100
201 86.4 44.3 132.8

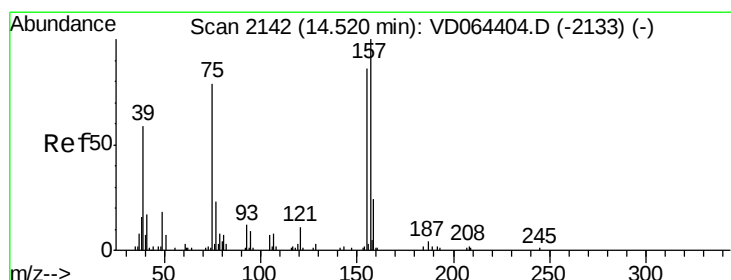
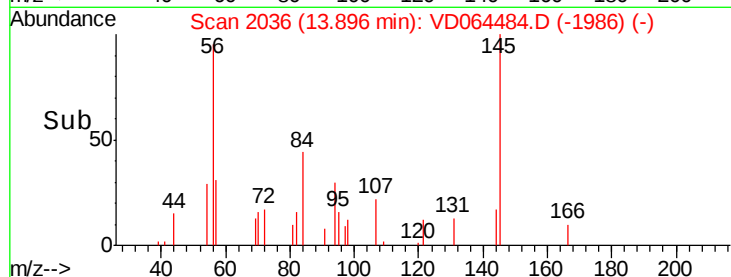
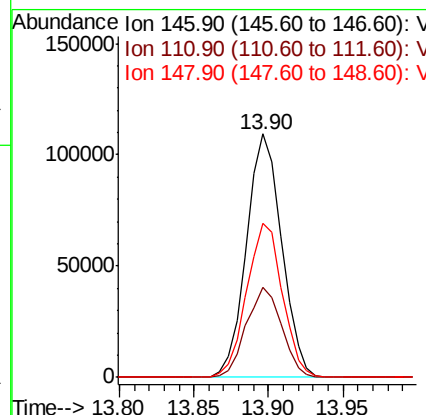
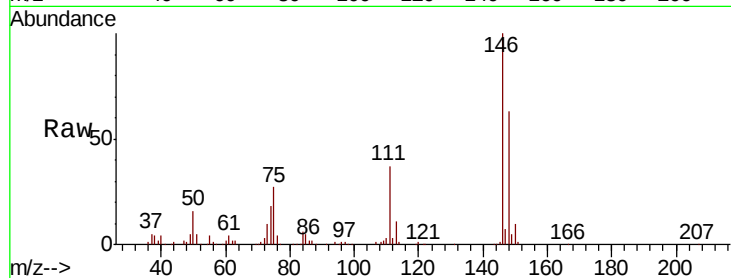




#91
 1,2-Dichlorobenzene
 Concen: 21.064 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

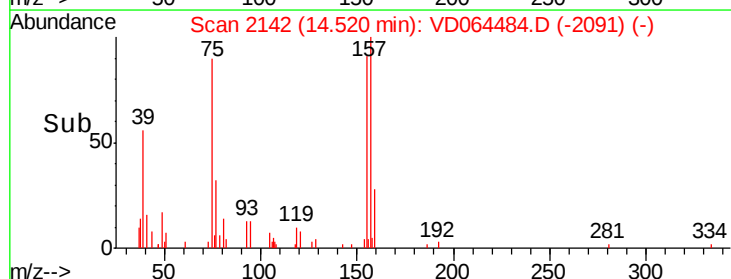
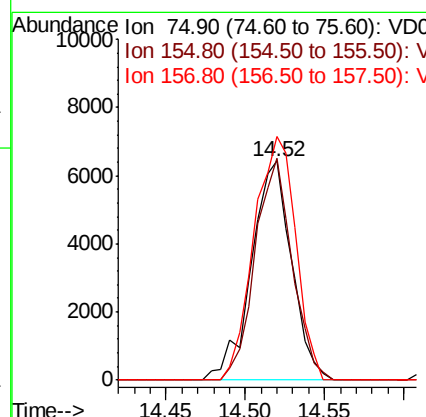
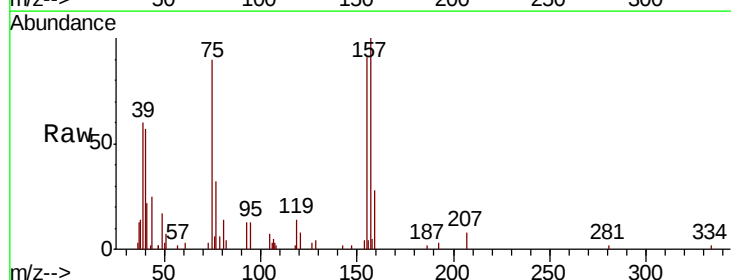
Instrument :
 MSVOA_D
 ClientSampleID :

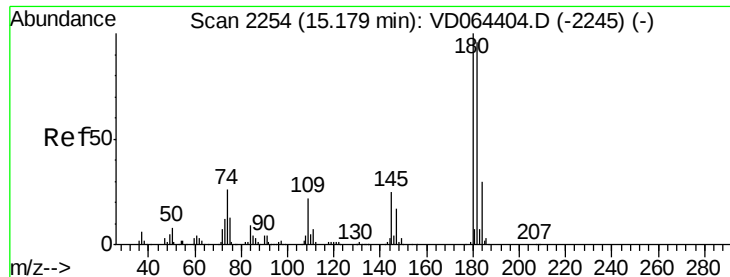
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	64.1	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.002 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	51.9	155.7
157	114.9	63.2	189.8

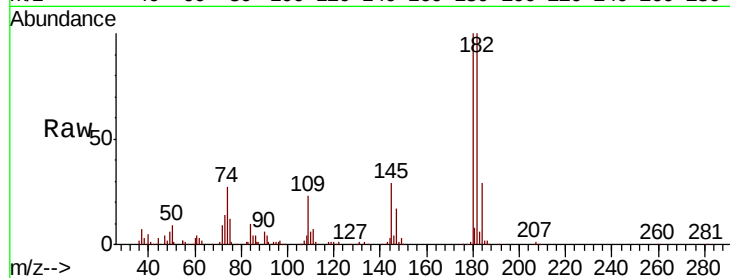




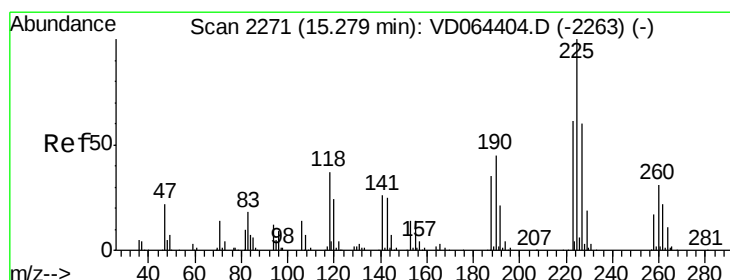
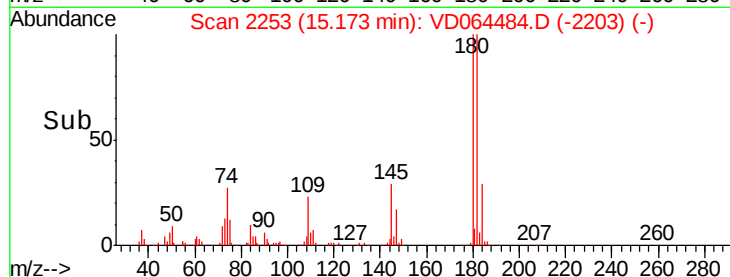
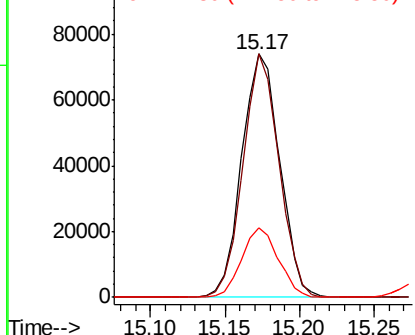
#93
 1,2,4-Trichlorobenzene
 Concen: 20.064 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	27.6	14.0	41.9

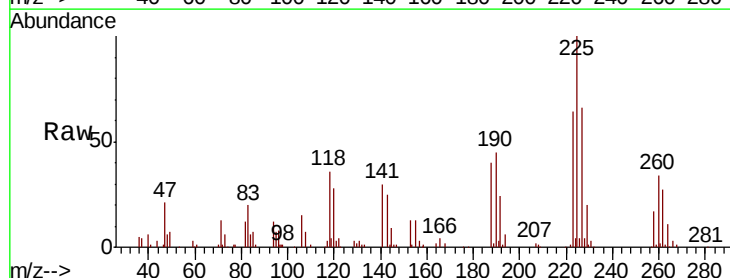


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

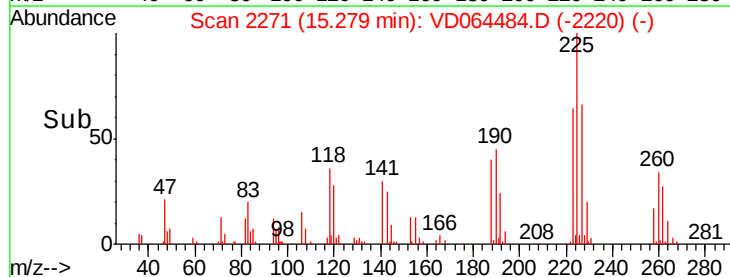
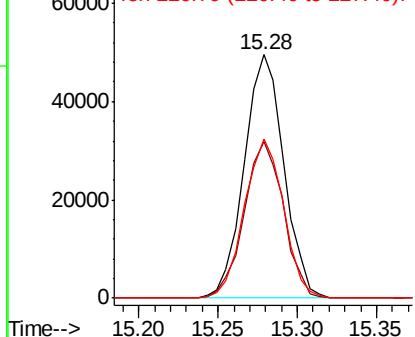


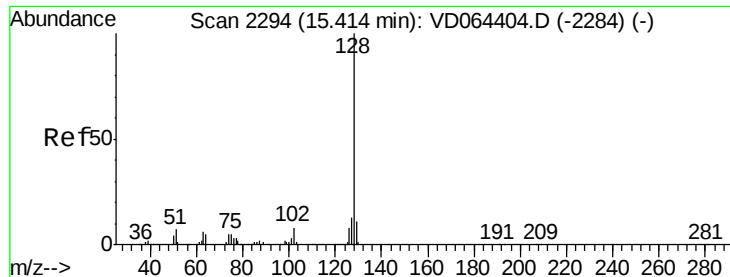
#94
 Hexachlorobutadiene
 Concen: 21.521 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064484.D
 Acq: 10 Dec 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.1	93.3
227	64.7	31.8	95.4



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

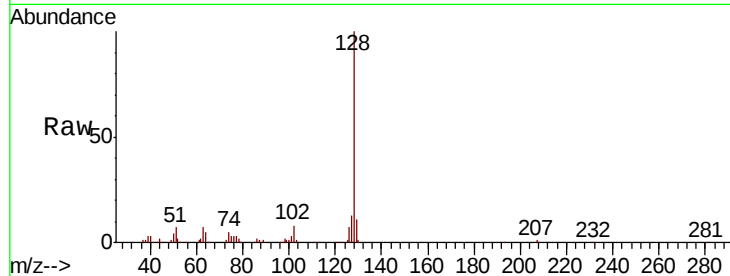




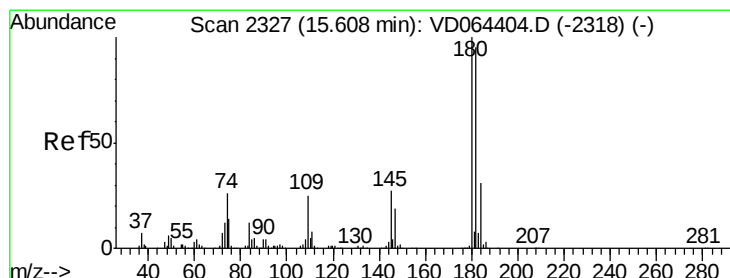
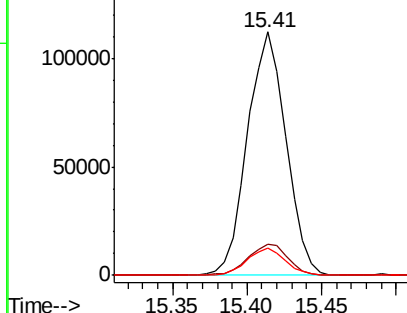
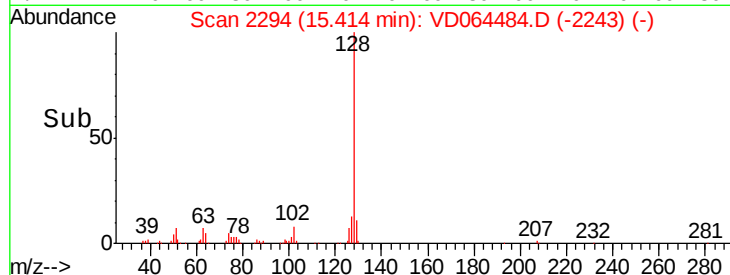
#95
Naphthalene
Concen: 18.511 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.8	13.2

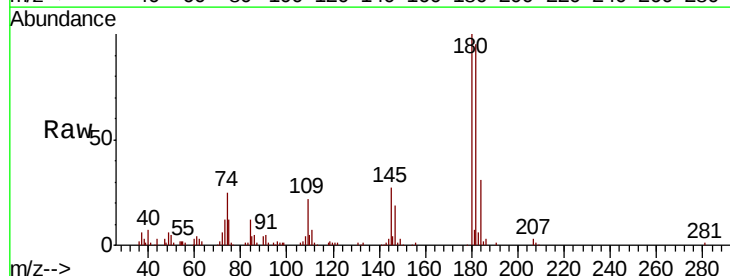


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.345 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064484.D
Acq: 10 Dec 2019 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.6	142.9
145	28.1	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

