

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064395.D
 Acq On : 27 Nov 2019 14:39
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:23:56 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	474001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	684710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	38194	8.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.80%	
35) Dibromofluoromethane	7.92	113	39683	9.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.40%	
50) Toluene-d8	10.34	98	148612	9.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.30%	
62) 4-Bromofluorobenzene	12.64	95	48856	9.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	46851	10.909	ug/l	100
3) Chloromethane	2.21	50	57592	10.632	ug/l	96
4) Vinyl Chloride	2.35	62	65068	10.403	ug/l	99
5) Bromomethane	2.77	94	47140	10.192	ug/l	96
6) Chloroethane	2.93	64	42056	10.060	ug/l	93
7) Trichlorofluoromethane	3.27	101	110186	10.597	ug/l	95
8) Diethyl Ether	3.71	74	22220	10.284	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46879	10.515	ug/l	97
10) Methyl Iodide	4.30	142	43909	9.326	ug/l	98
11) Tert butyl alcohol	5.26	59	14082	51.562	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	45091	10.554	ug/l	94
13) Acrolein	3.93	56	15955	42.831	ug/l	93
14) Allyl chloride	4.71	41	71375	10.705	ug/l	96
15) Acrylonitrile	5.44	53	49314	52.193	ug/l	96
16) Acetone	4.17	43	46858	54.046	ug/l	99
17) Carbon Disulfide	4.40	76	141697	10.472	ug/l	97
18) Methyl Acetate	4.73	43	26746	10.576	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	96956	9.893	ug/l	94
20) Methylene Chloride	4.96	84	51221	7.881	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	49026	10.145	ug/l	97
22) Diisopropyl ether	6.37	45	126243	9.591	ug/l	96
23) Vinyl Acetate	6.31	43	386130	49.760	ug/l	99
24) 1,1-Dichloroethane	6.27	63	79767	10.077	ug/l	98
25) 2-Butanone	7.23	43	63516	51.802	ug/l	97
26) 2,2-Dichloropropane	7.21	77	72081	10.471	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	52468	9.958	ug/l	100
28) Bromochloromethane	7.55	49	13489	4.986	ug/l	99
29) Tetrahydrofuran	7.58	42	41466	53.155	ug/l	97
30) Chloroform	7.71	83	86571	10.560	ug/l	91
31) Cyclohexane	7.98	56	81284	7.899	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	75167	9.890	ug/l	98
36) 1,1-Dichloropropene	8.11	75	66028	10.195	ug/l	99
37) Ethyl Acetate	7.31	43	28360	10.320	ug/l #	96
38) Carbon Tetrachloride	8.10	117	71419	10.448	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064395.D
 Acq On : 27 Nov 2019 14:39
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:23:56 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)
39) Methylcyclohexane	9.36	83	83082	10.342	ug/l	95
40) Benzene	8.36	78	181922	10.114	ug/l	96
41) Methacrylonitrile	7.53	41	17964	11.399	ug/l	95
42) 1,2-Dichloroethane	8.43	62	52949	10.094	ug/l	100
43) Isopropyl Acetate	8.46	43	56388	10.436	ug/l	97
44) Trichloroethene	9.11	130	54580	10.073	ug/l	91
45) 1,2-Dichloropropane	9.39	63	43540	10.121	ug/l	98
46) Dibromomethane	9.47	93	24596	10.130	ug/l	98
47) Bromodichloromethane	9.67	83	61319	9.829	ug/l	99
48) Methyl methacrylate	9.46	41	24671	9.978	ug/l	99
49) 1,4-Dioxane	9.47	88	6595	219.964	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	135573	50.710	ug/l	100
52) Toluene	10.41	92	117103	9.989	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	59957	10.084	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	70231	9.943	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	33538	10.088	ug/l	92
56) Ethyl methacrylate	10.67	69	43124	10.170	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57549	10.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89280	52.817	ug/l	100
59) 2-Hexanone	10.99	43	94548	50.967	ug/l	99
60) Dibromochloromethane	11.14	129	43696	9.694	ug/l	98
61) 1,2-Dibromoethane	11.25	107	33369	10.052	ug/l	99
64) Tetrachloroethene	10.88	164	46483	10.210	ug/l	97
65) Chlorobenzene	11.67	112	122386	9.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	45005	9.764	ug/l	98
67) Ethyl Benzene	11.75	91	217368	9.812	ug/l	97
68) m/p-Xylenes	11.86	106	169602	20.079	ug/l	100
69) o-Xylene	12.18	106	77120	9.886	ug/l	99
70) Styrene	12.20	104	130712	9.642	ug/l	99
71) Bromoform	12.36	173	27526	9.982	ug/l #	97
73) Isopropylbenzene	12.48	105	209430	10.094	ug/l	100
74) N-amyl acetate	12.30	43	47423	10.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34812	10.146	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	46928	19.780	ug/l #	100
77) Bromobenzene	12.77	156	52391	10.225	ug/l	98
78) n-propylbenzene	12.83	91	243961	10.191	ug/l	99
79) 2-Chlorotoluene	12.91	91	135193	10.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	172889	10.197	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	11743	10.793	ug/l	96
82) 4-Chlorotoluene	13.01	91	141221	10.125	ug/l	100
83) tert-Butylbenzene	13.23	119	149406	10.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	169892	9.965	ug/l	99
85) sec-Butylbenzene	13.41	105	205597	10.162	ug/l	99
86) p-Isopropyltoluene	13.53	119	189419	9.917	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	96791	9.953	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	97547	10.160	ug/l	97
89) n-Butylbenzene	13.85	91	178723	10.304	ug/l	99
90) Hexachloroethane	14.12	117	36030	10.085	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81891	9.853	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5937	7.890	ug/l	96

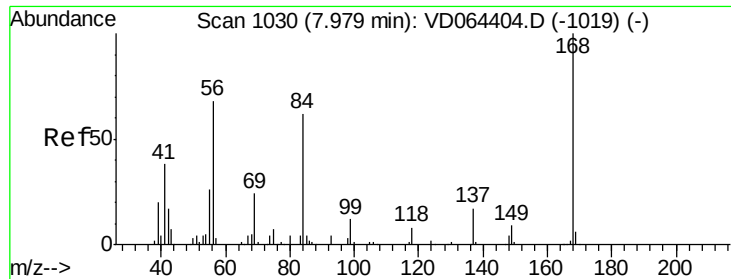
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
Data File : VD064395.D
Acq On : 27 Nov 2019 14:39
Operator : VA/SY
Sample : VSTDICC010
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 29 07:23:56 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)
93) 1,2,4-Trichlorobenzene	15.18	180	63165	9.924	ug/l	99
94) Hexachlorobutadiene	15.28	225	41432	10.544	ug/l	96
95) Naphthalene	15.41	128	107359	10.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	55232	10.166	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: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

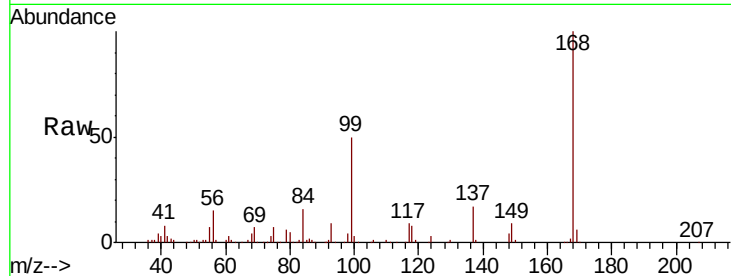
ClientSampleId :

Tot Ion:168 Resp: 474001

Ion Ratio Lower Upper

168 100

99 49.9 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

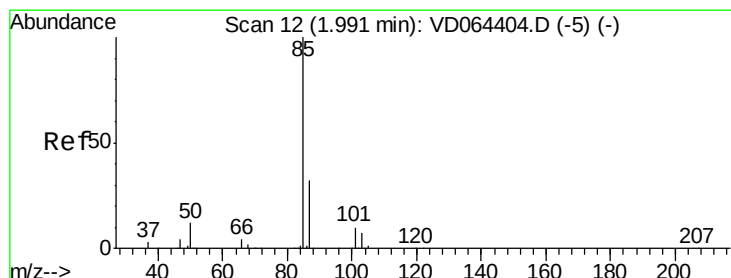
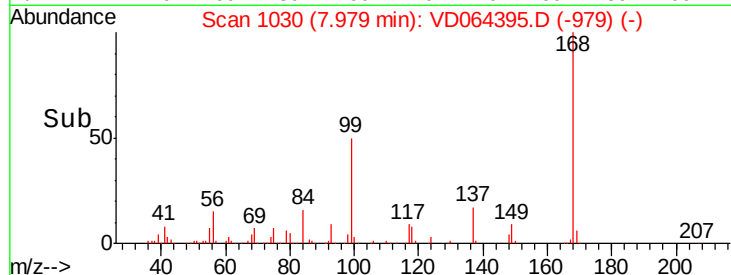
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.909 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064395.D

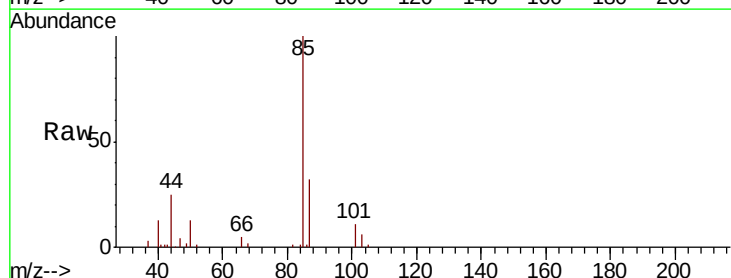
Acq: 27 Nov 2019 14:39

Tgt Ion: 85 Resp: 46851

Ion Ratio Lower Upper

85 100

87 31.9 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

40000

30000

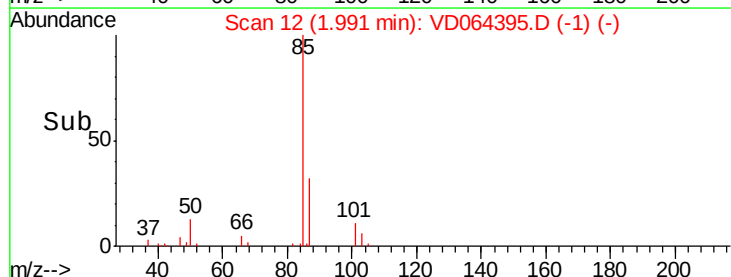
20000

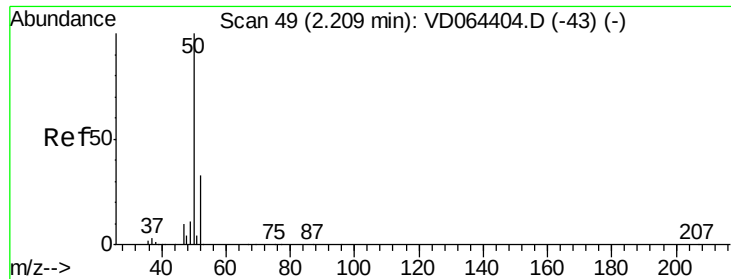
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 10.632 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

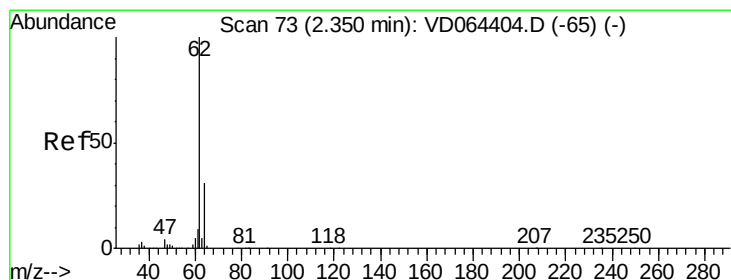
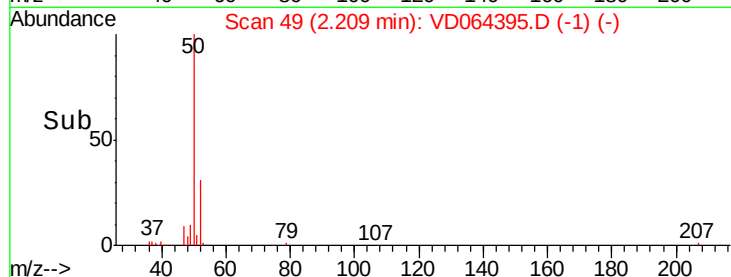
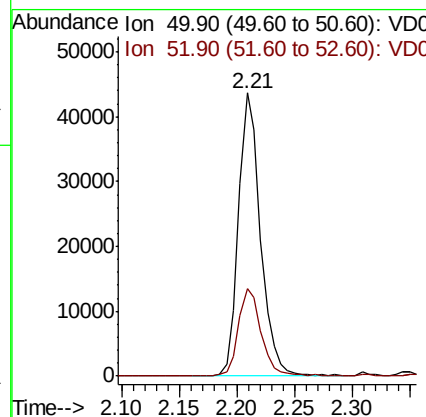
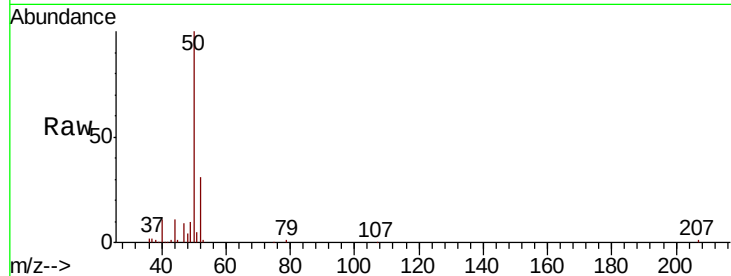
ClientSampleId :

Tot Ion: 50 Resp: 57592

Ion Ratio Lower Upper

50 100

52 30.9 26.7 40.1



#4

Vinyl Chloride

Concen: 10.403 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064395.D

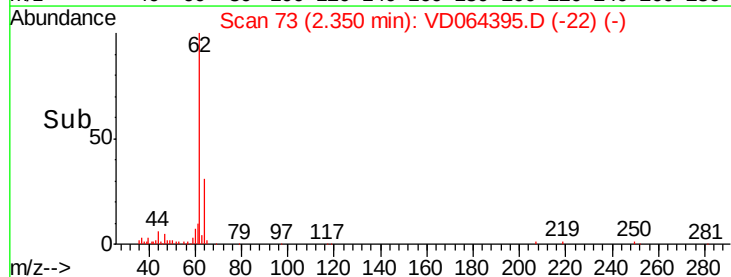
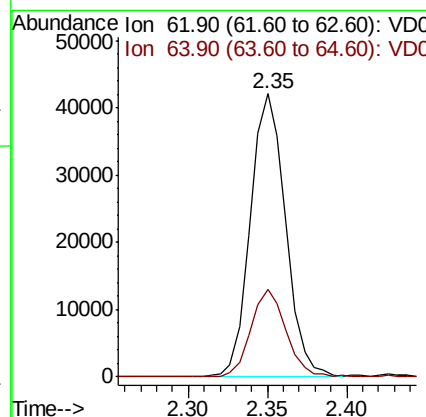
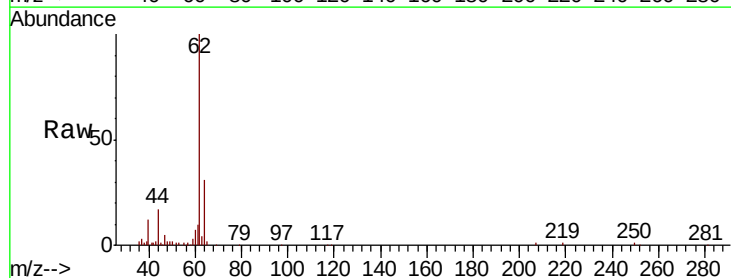
Acq: 27 Nov 2019 14:39

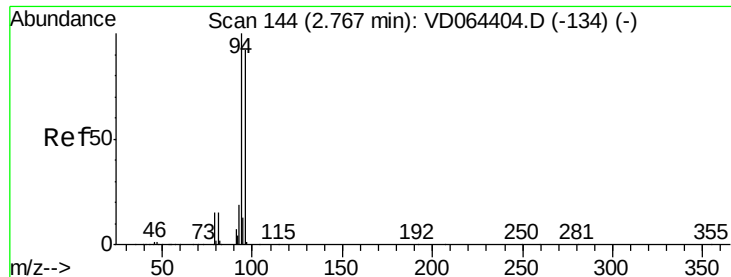
Tgt Ion: 62 Resp: 65068

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 10.192 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

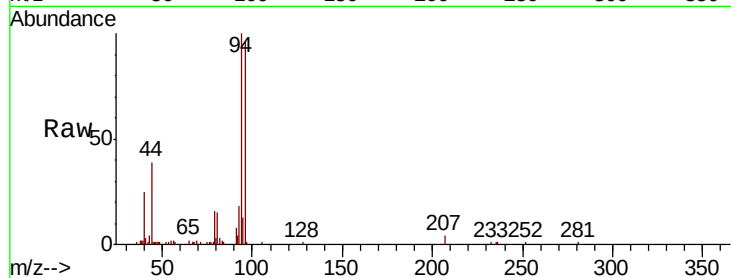
ClientSampleId :

Tot Ion: 94 Resp: 47140

Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

20000

15000

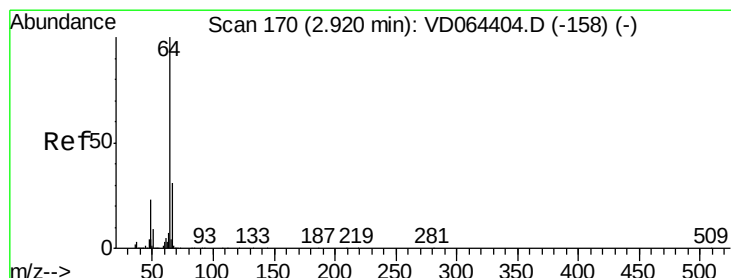
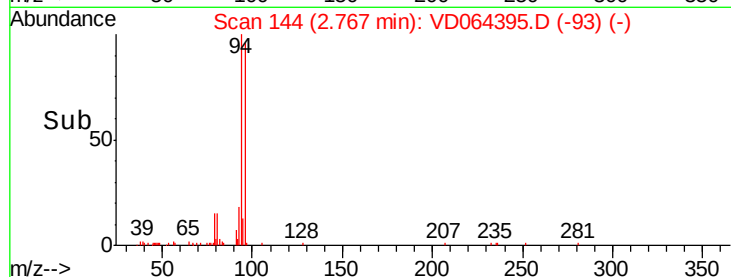
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 10.060 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064395.D

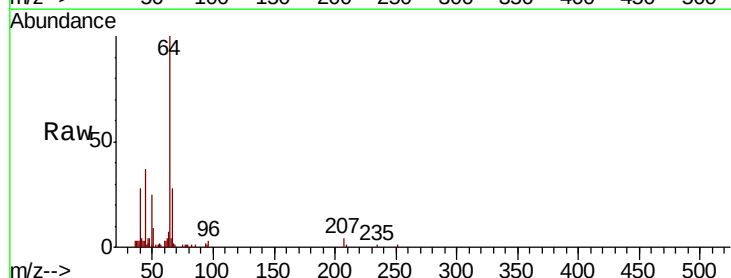
Acq: 27 Nov 2019 14:39

Tgt Ion: 64 Resp: 42056

Ion Ratio Lower Upper

64 100

66 27.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

20000

15000

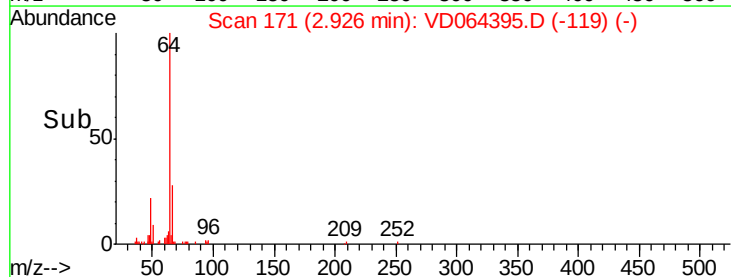
10000

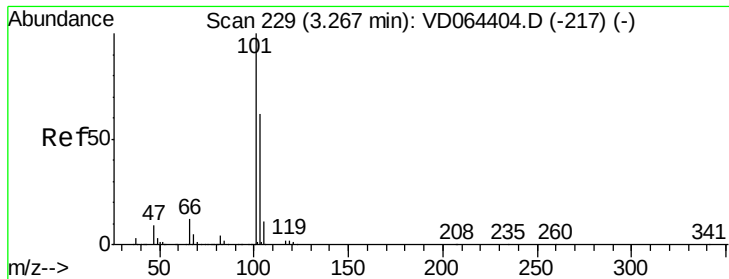
5000

0

2.80 2.90 3.00

Time-->



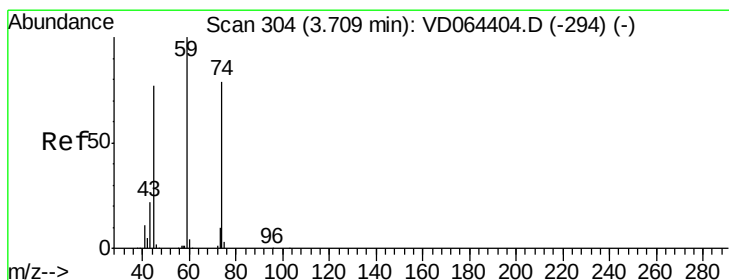
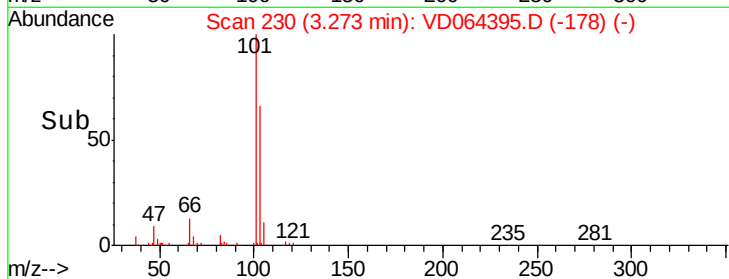
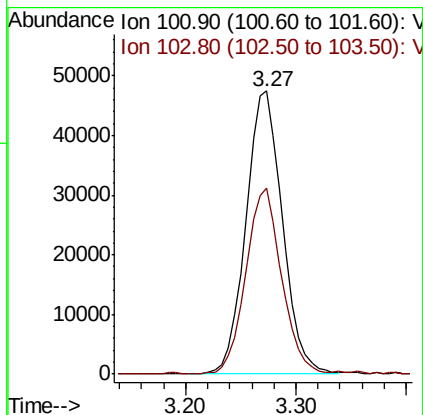
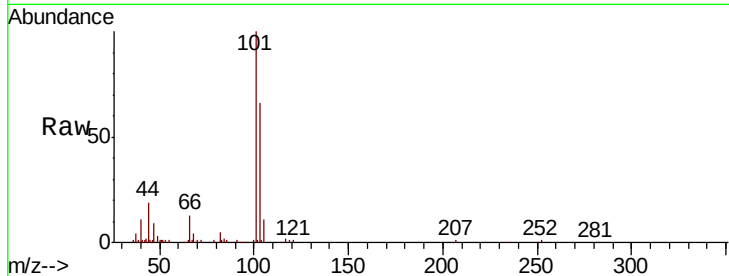


#7

Trichlorofluoromethane
 Concen: 10.597 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

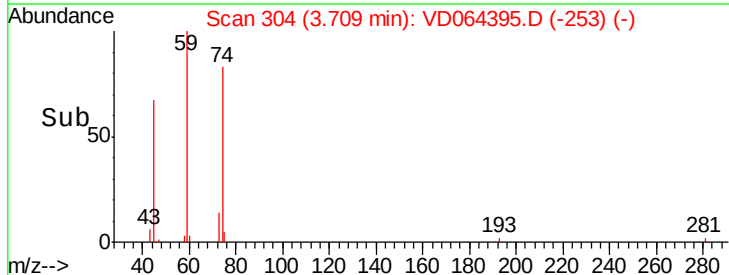
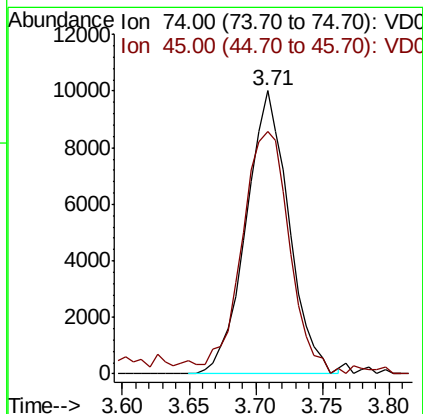
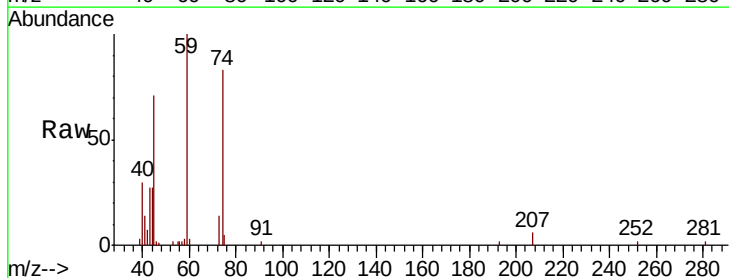
Tot Ion:101 Resp: 110186
 Ion Ratio Lower Upper
 101 100
 103 65.7 49.8 74.6

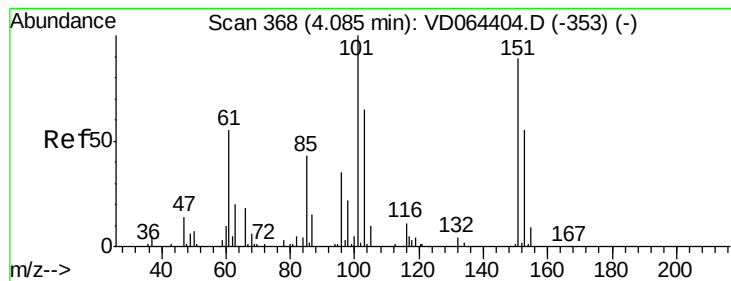


#8

Diethyl Ether
 Concen: 10.284 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion: 74 Resp: 22220
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.515 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

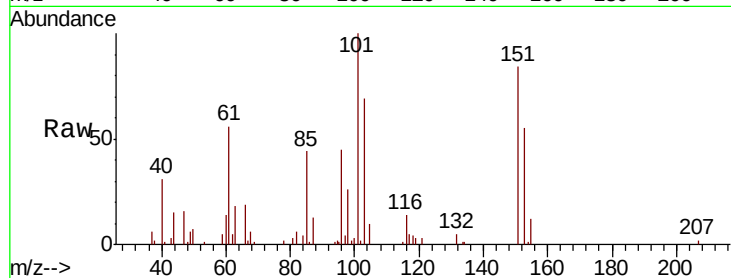
Tot Ion:101 Resp: 46879

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

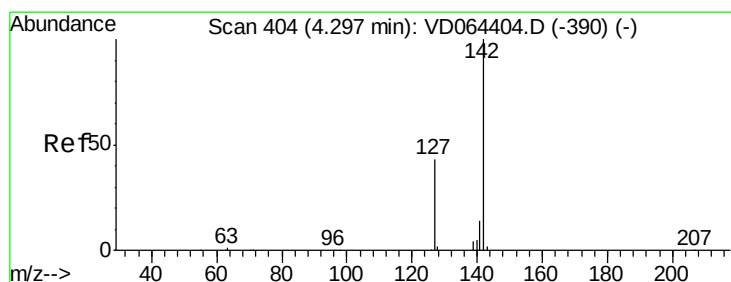
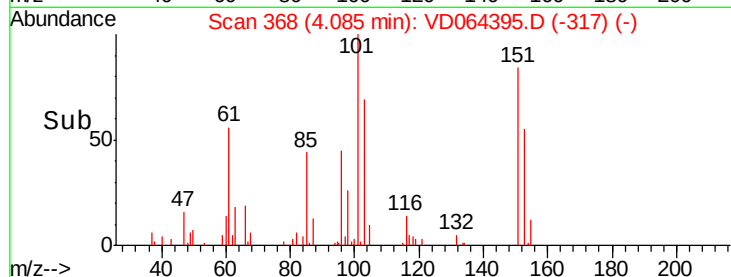
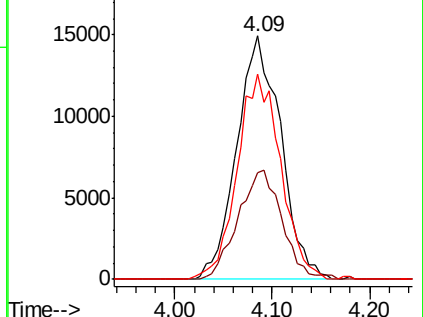
151 83.2 68.8 103.2



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: 9.326 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

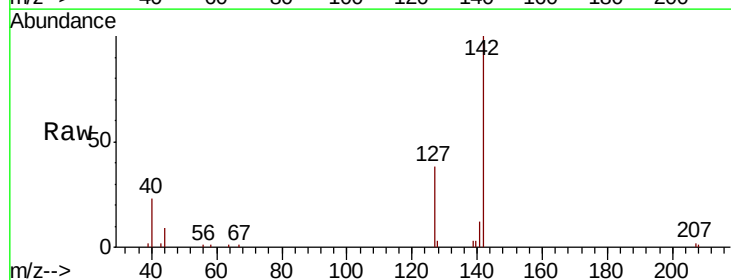
Tgt Ion:142 Resp: 43909

Ion Ratio Lower Upper

142 100

127 42.8 35.3 52.9

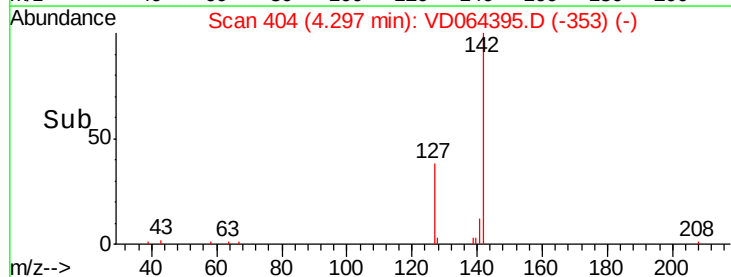
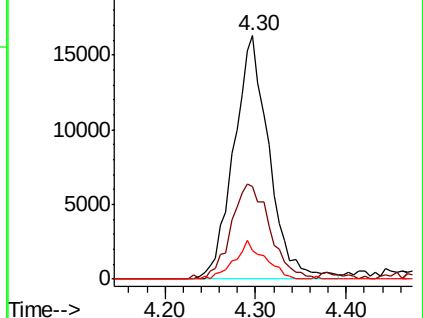
141 13.7 11.6 17.4

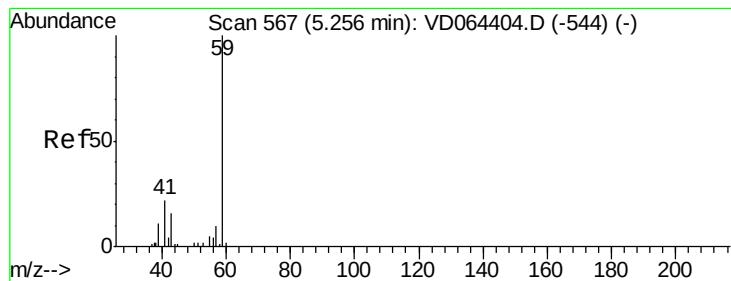


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



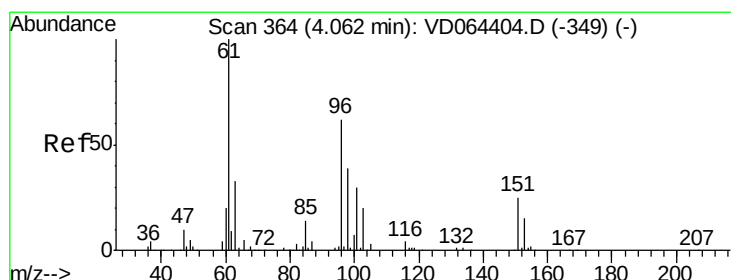
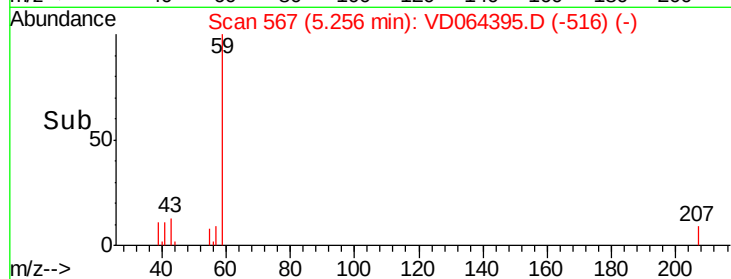
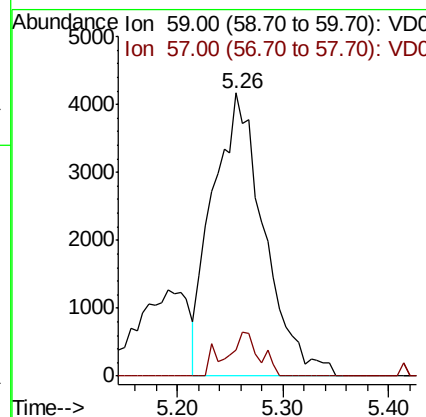
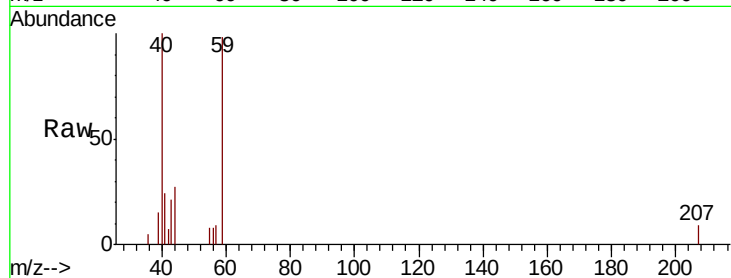


#11

Tert butyl alcohol
Concen: 51.562 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

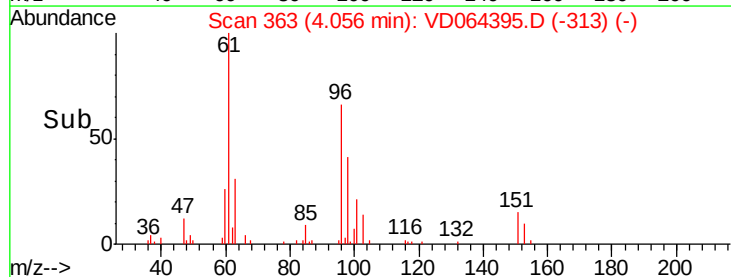
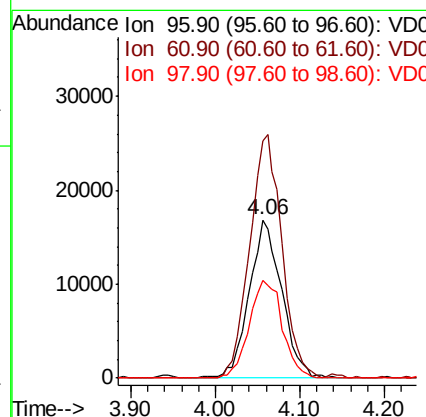
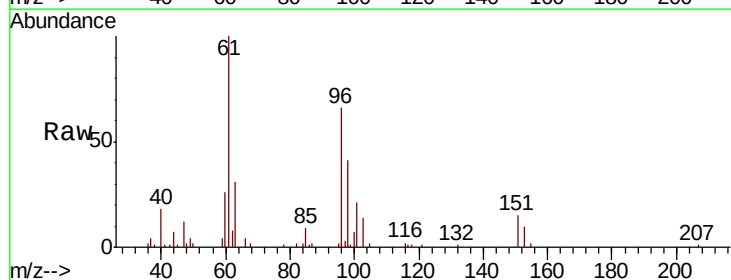
Tot Ion: 59 Resp: 14082
Ion Ratio Lower Upper
59 100
57 7.6 0.0 0.0#

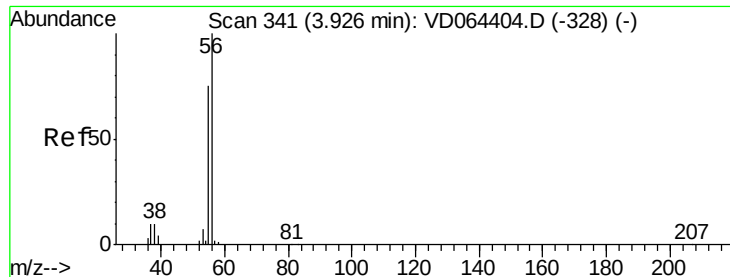


#12

1,1-Dichloroethene
Concen: 10.554 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 96 Resp: 45091
Ion Ratio Lower Upper
96 100
61 150.5 128.2 192.4
98 61.5 50.4 75.6





#13

Acrolein

Concen: 42.831 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

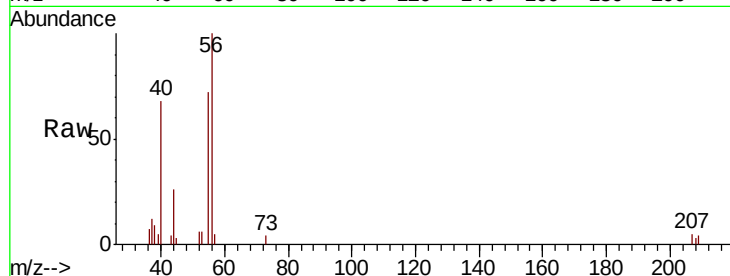
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15955

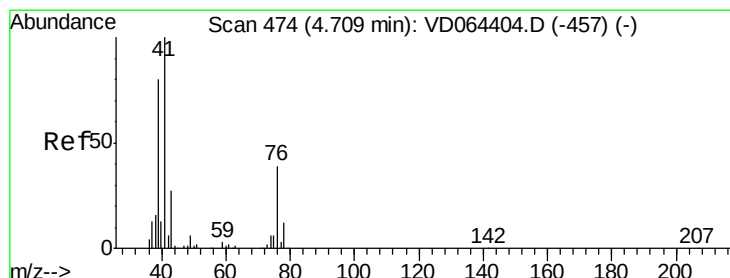
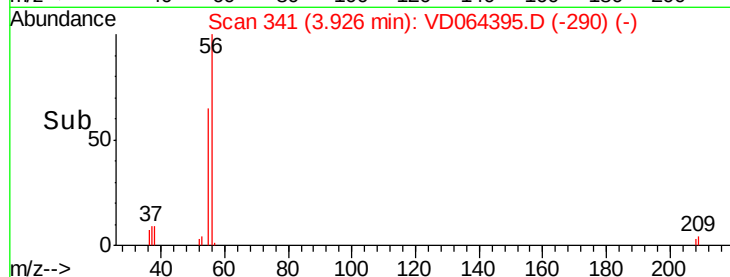
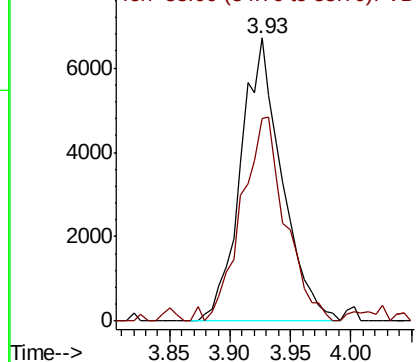
Ion Ratio Lower Upper

56 100

55 76.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.705 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

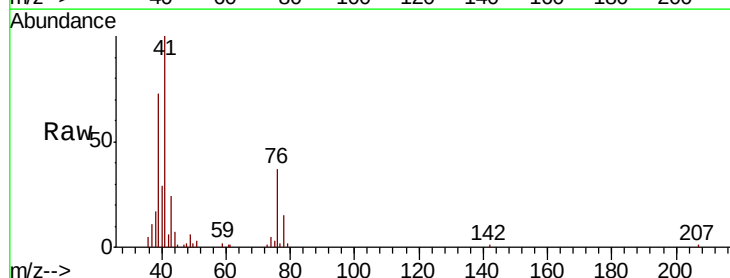
Tgt Ion: 41 Resp: 71375

Ion Ratio Lower Upper

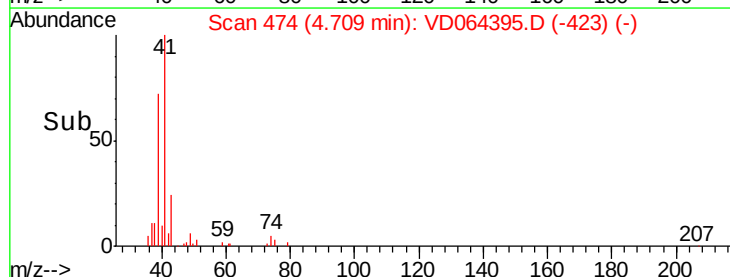
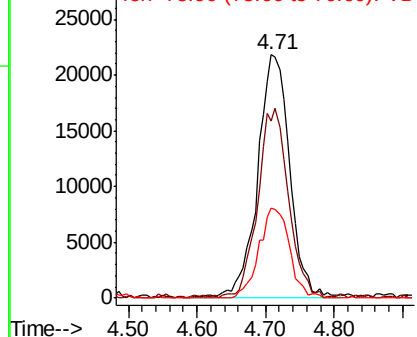
41 100

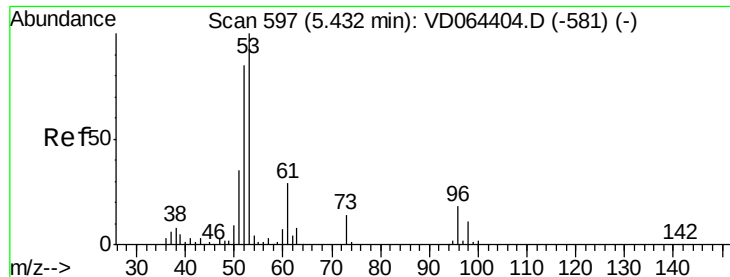
39 74.1 62.1 93.1

76 35.0 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





#15

Acrylonitrile

Concen: 52.193 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampled :

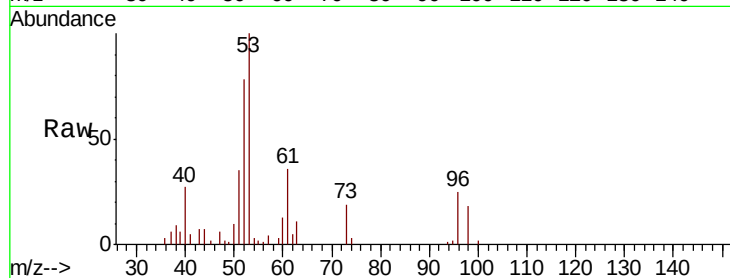
Tot Ion: 53 Resp: 49314

Ion Ratio Lower Upper

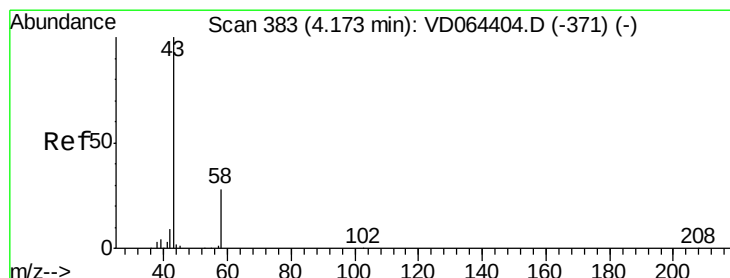
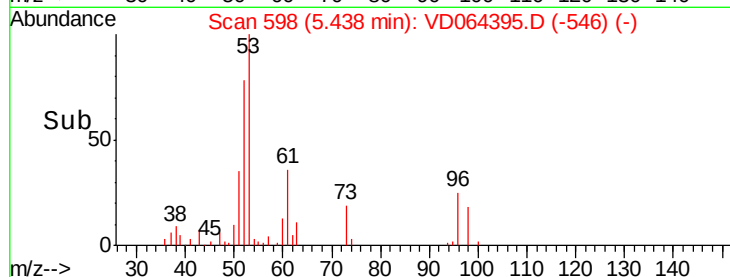
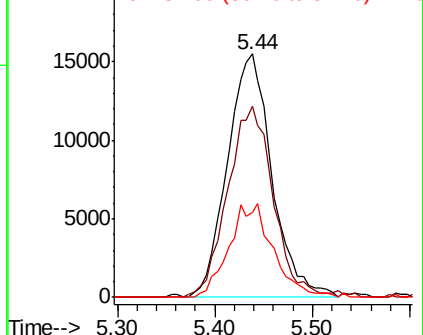
53 100

52 79.7 67.9 101.9

51 38.2 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: 54.046 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064395.D

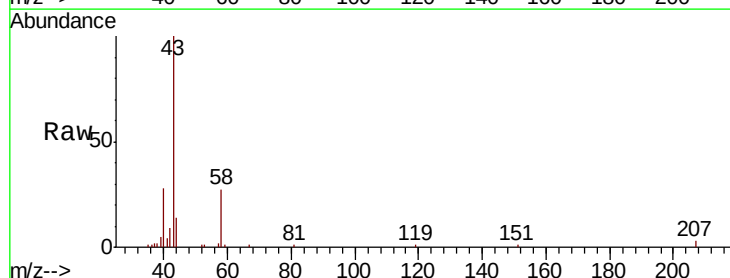
Acq: 27 Nov 2019 14:39

Tgt Ion: 43 Resp: 46858

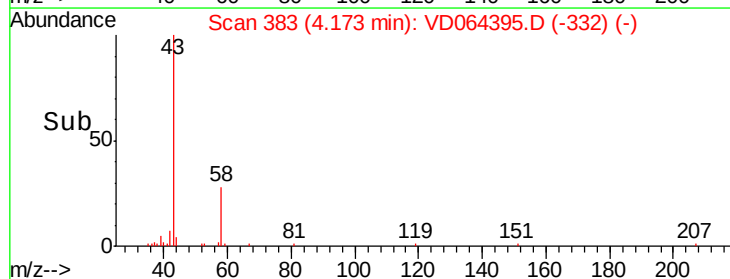
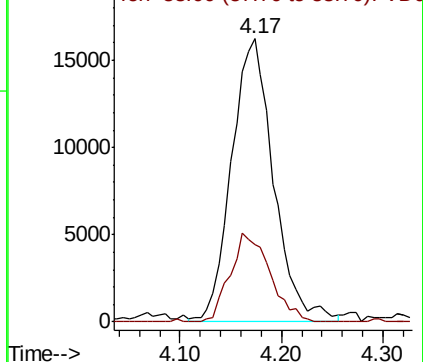
Ion Ratio Lower Upper

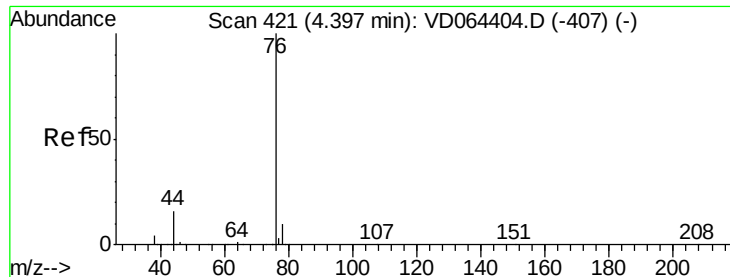
43 100

58 27.5 22.6 33.8



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

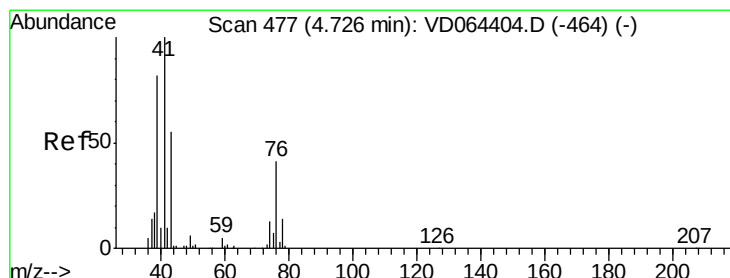
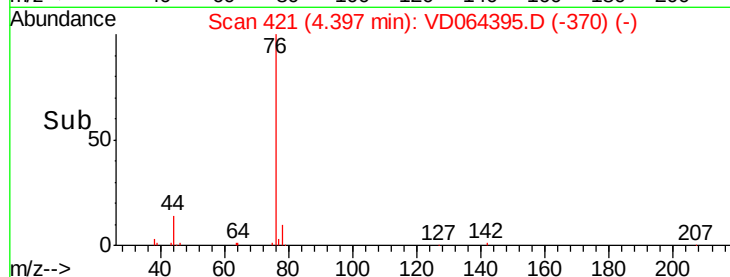
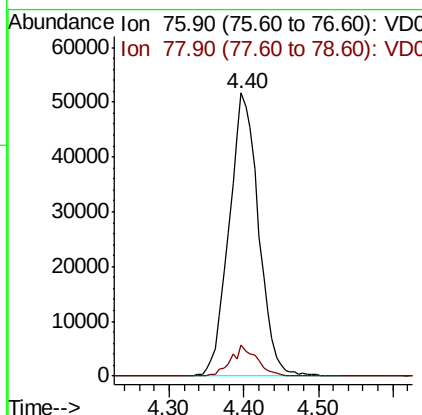
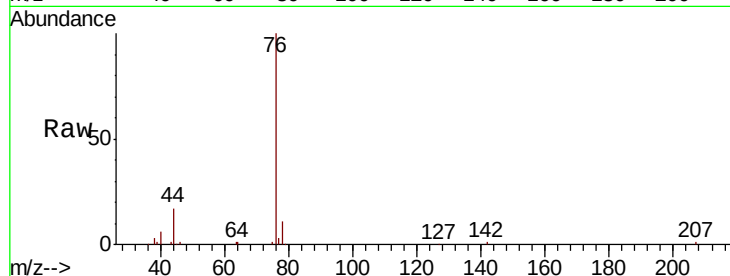




#17
Carbon Disulfide
Concen: 10.472 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

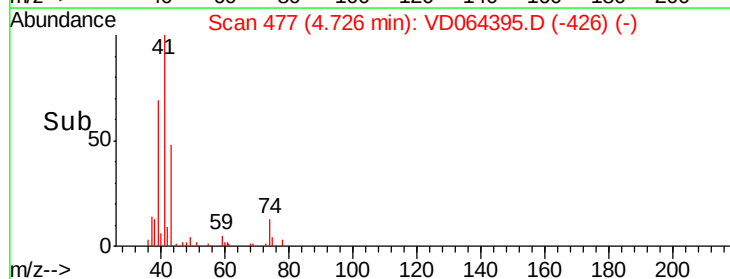
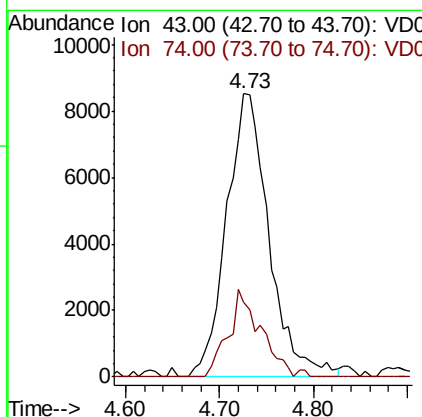
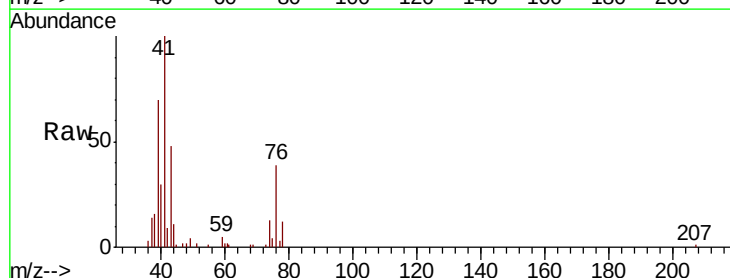
Instrument :
MSVOA_D
ClientSampleId :

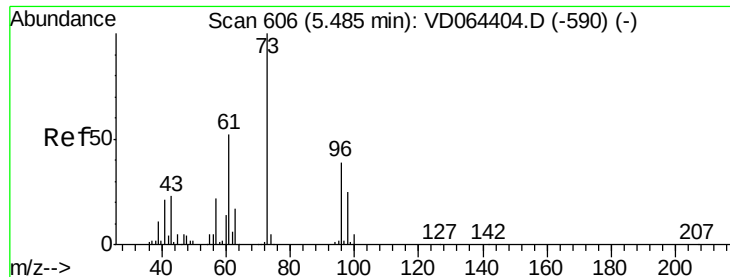
Tot Ion: 76 Resp: 141697
Ion Ratio Lower Upper
76 100
78 10.8 7.8 11.8



#18
Methyl Acetate
Concen: 10.576 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 43 Resp: 26746
Ion Ratio Lower Upper
43 100
74 23.5 19.7 29.5



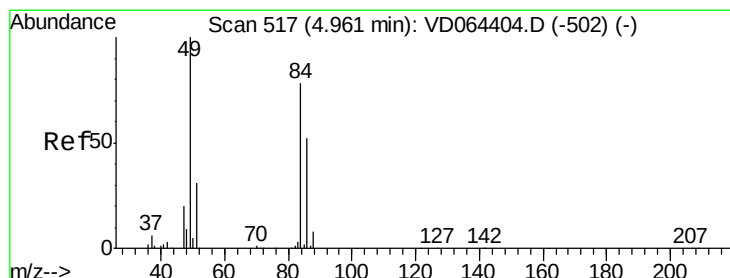
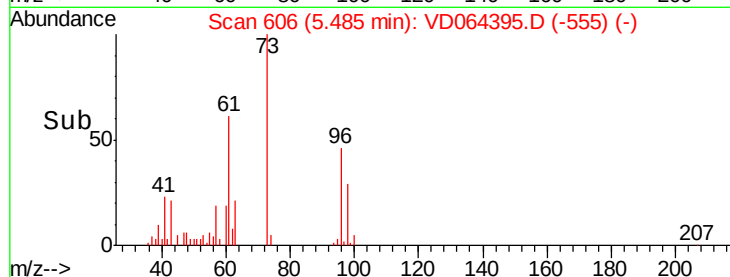
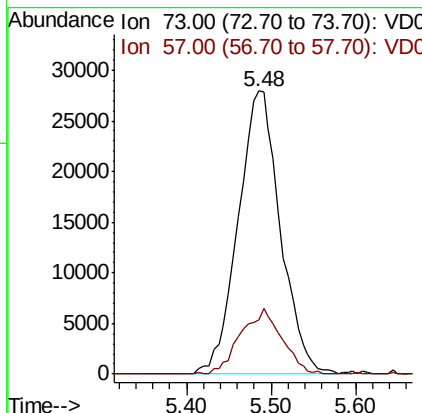
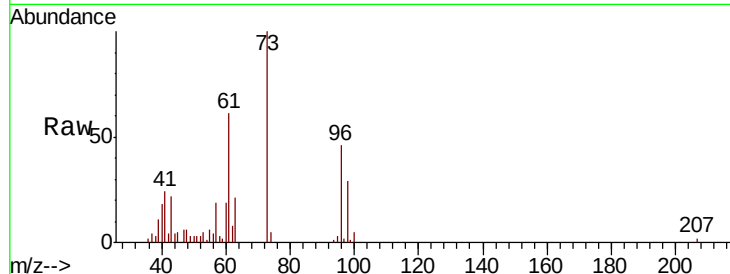


#19

Methyl tert-butyl Ether
 Concen: 9.893 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :

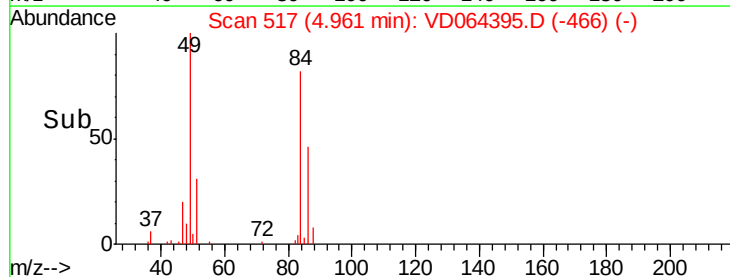
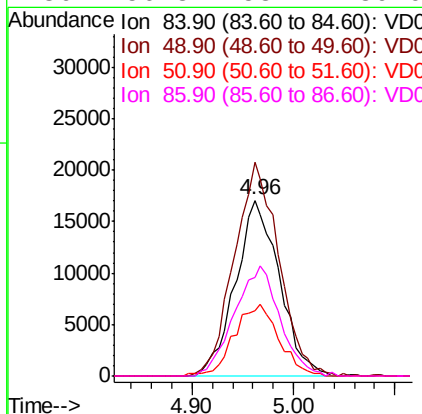
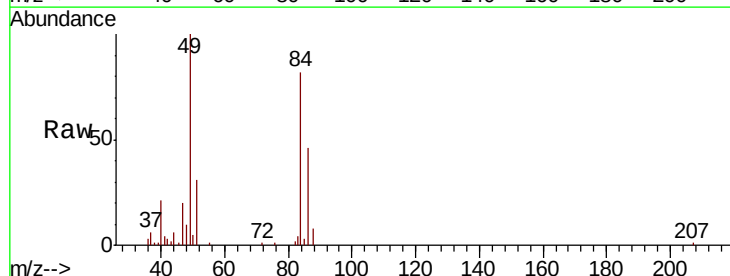
Tot Ion: 73 Resp: 96956
 Ion Ratio Lower Upper
 73 100
 57 19.2 17.6 26.4

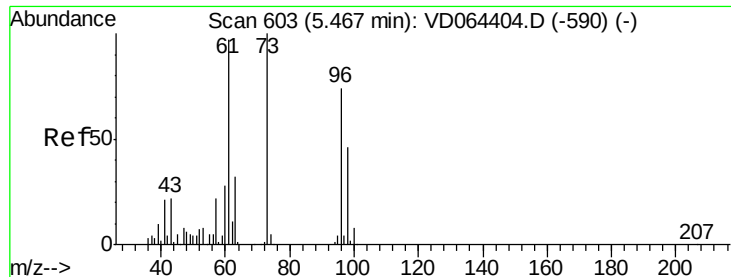


#20

Methylene Chloride
 Concen: 7.881 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion: 84 Resp: 51221
 Ion Ratio Lower Upper
 84 100
 49 121.7 102.6 153.8
 51 37.5 32.0 48.0
 86 56.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 10.145 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

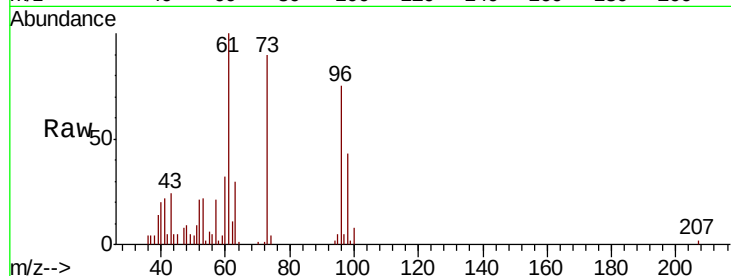
Tot Ion: 96 Resp: 49026

Ion Ratio Lower Upper

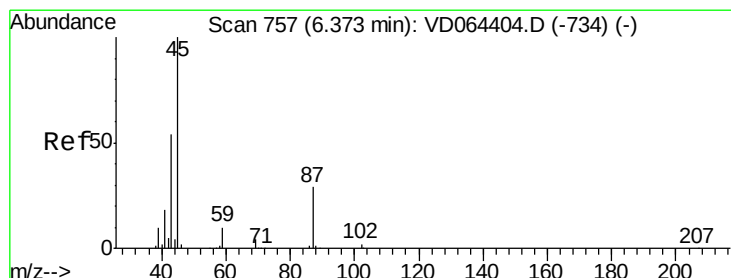
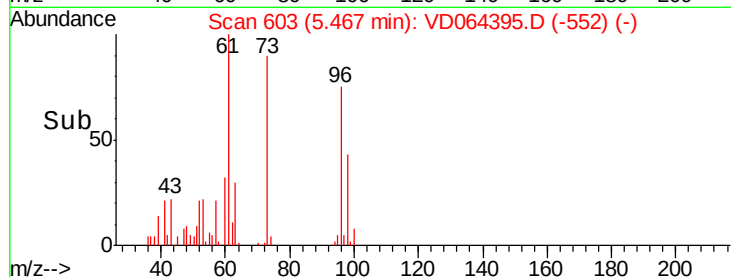
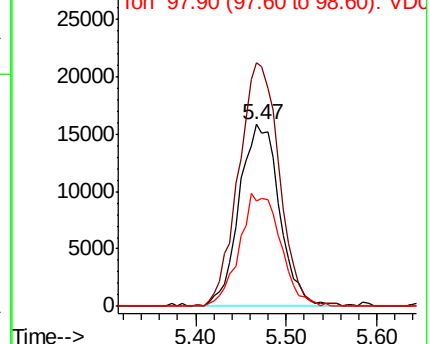
96 100

61 134.0 105.8 158.6

98 58.2 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: 9.591 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Tgt Ion: 45 Resp: 126243

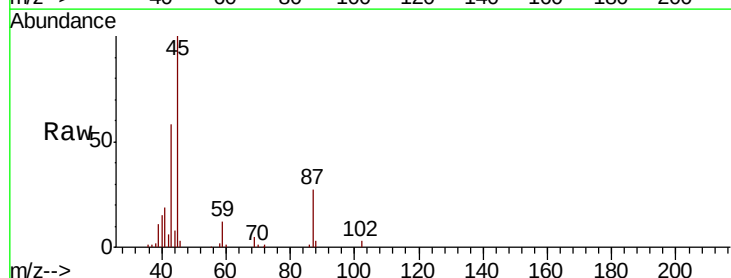
Ion Ratio Lower Upper

45 100

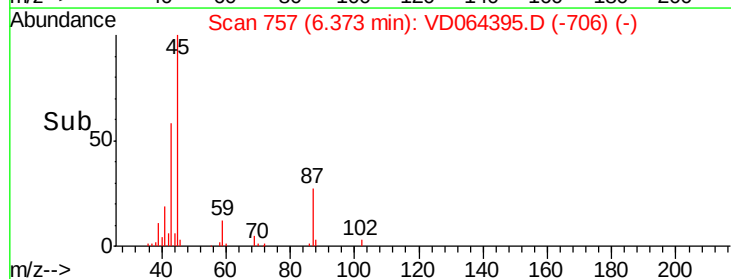
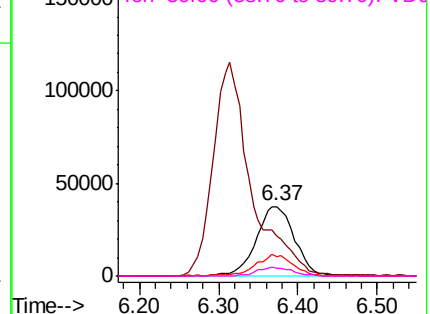
43 56.4 43.1 64.7

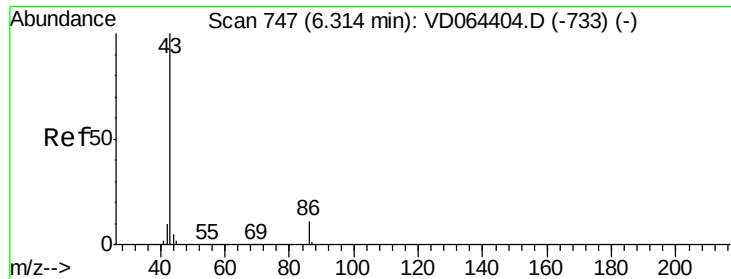
87 26.5 23.5 35.3

59 11.6 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: 49.760 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

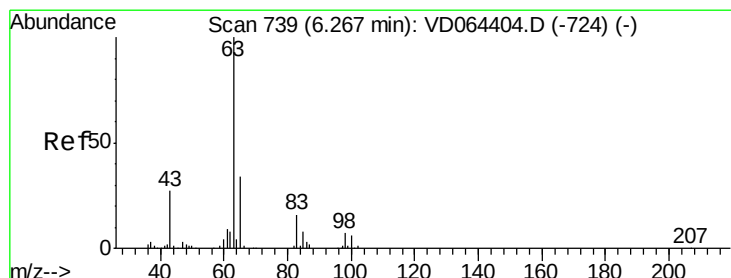
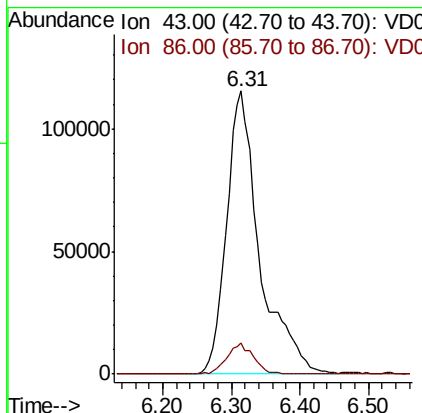
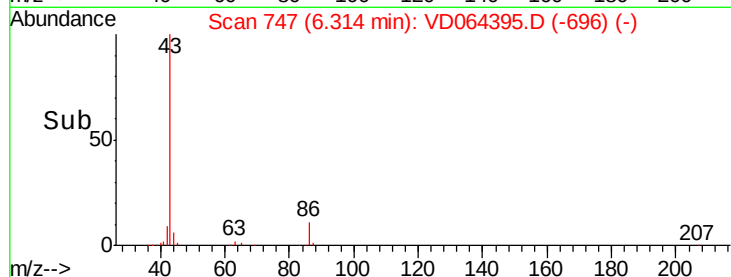
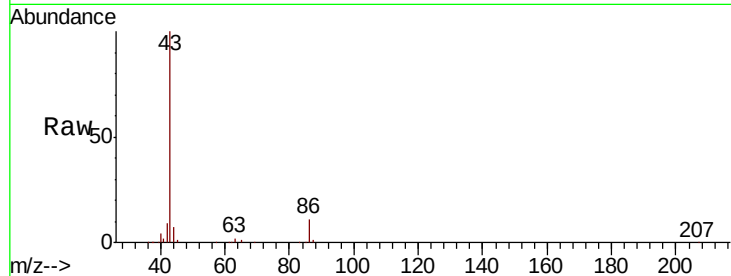
ClientSampleId :

Tot Ion: 43 Resp: 386130

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



#24

1,1-Dichloroethane

Concen: 10.077 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

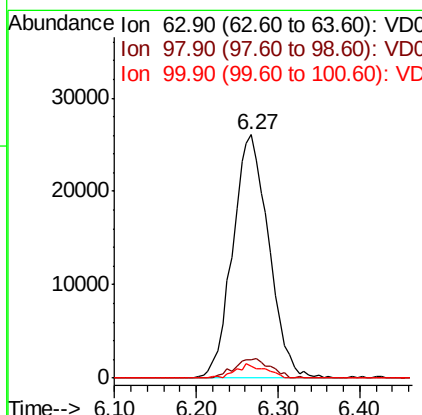
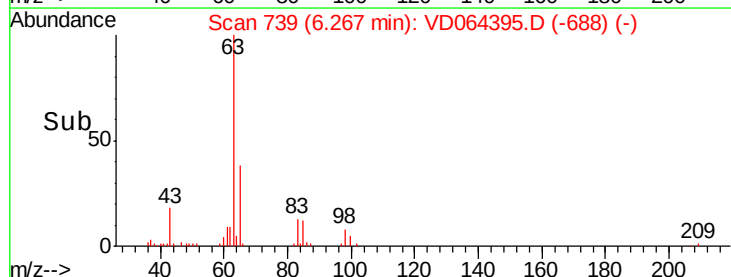
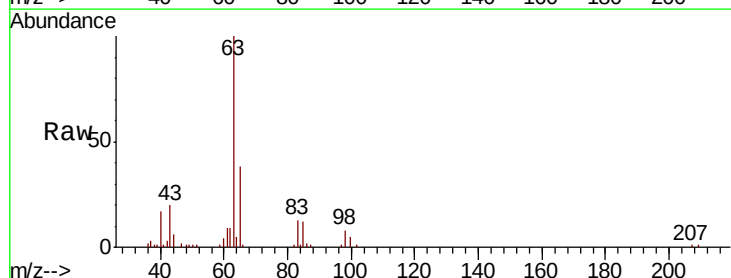
Tgt Ion: 63 Resp: 79767

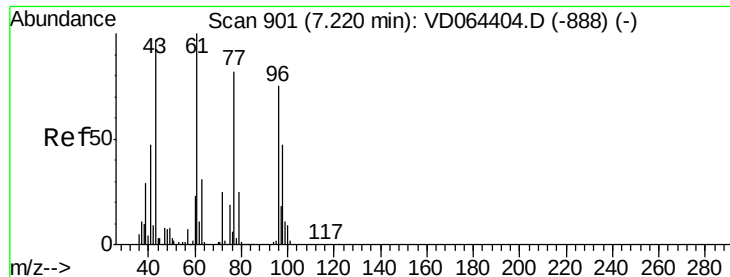
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.0 2.9 8.6





#25

2-Butanone

Concen: 51.802 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

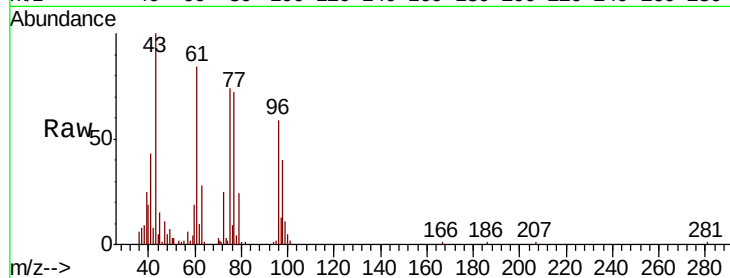
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 63516

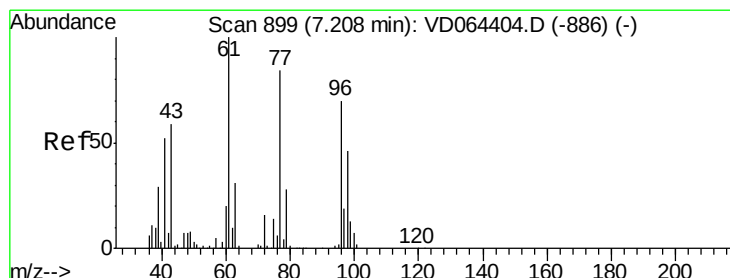
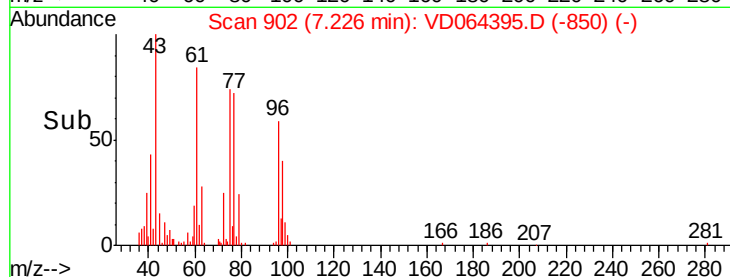
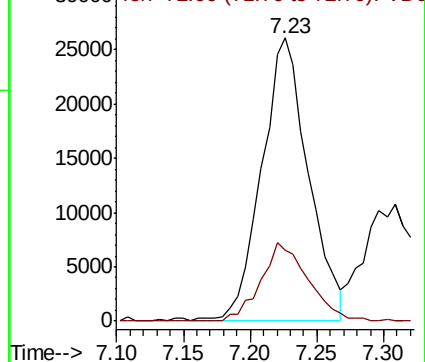
Ion Ratio Lower Upper

43 100

72 24.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.471 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064395.D

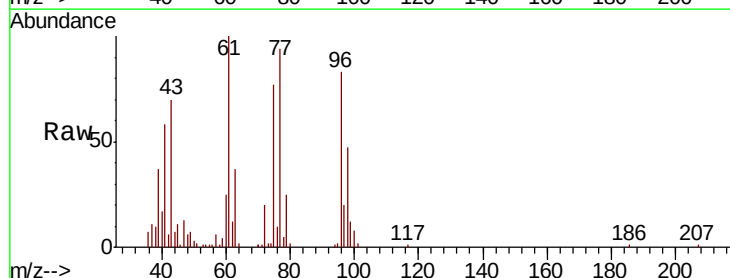
Acq: 27 Nov 2019 14:39

Tgt Ion: 77 Resp: 72081

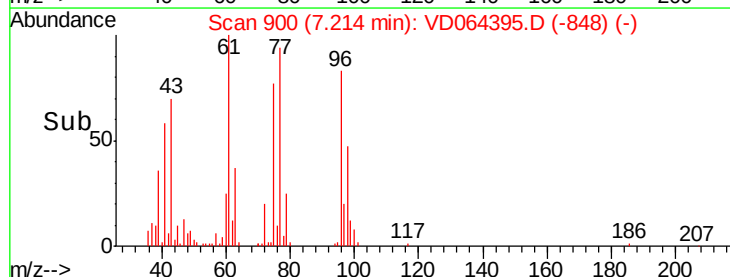
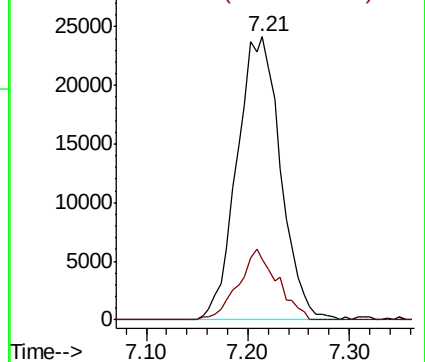
Ion Ratio Lower Upper

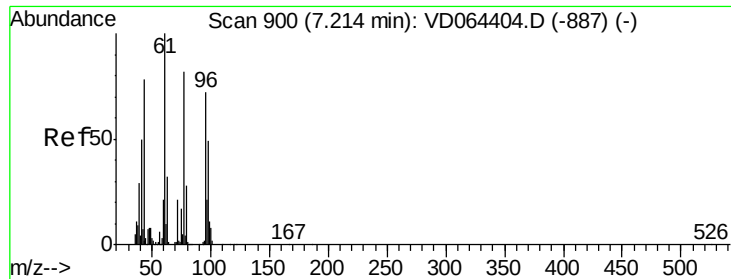
77 100

97 22.4 11.6 34.7



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





#27

cis-1,2-Dichloroethene

Concen: 9.958 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

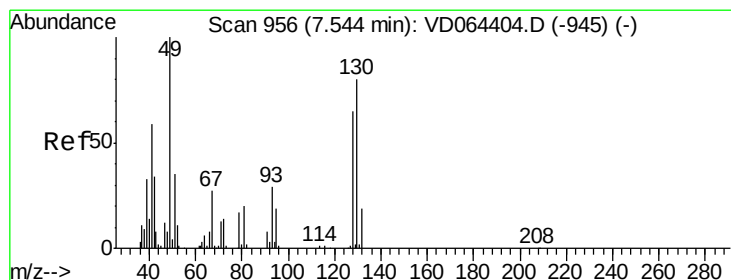
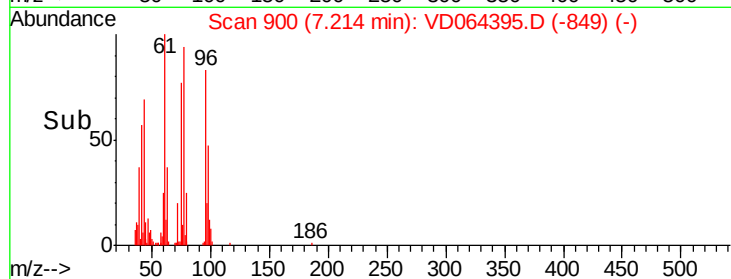
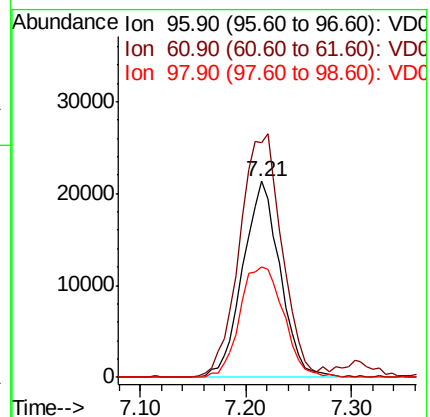
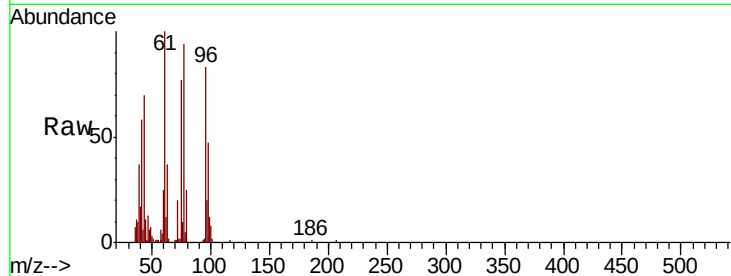
Tot Ion: 96 Resp: 52468

Ion Ratio Lower Upper

96 100

61 139.8 0.0 279.6

98 65.8 0.0 129.2



#28

Bromochloromethane

Concen: 4.986 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

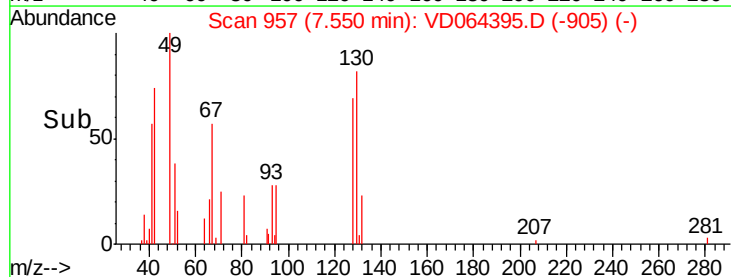
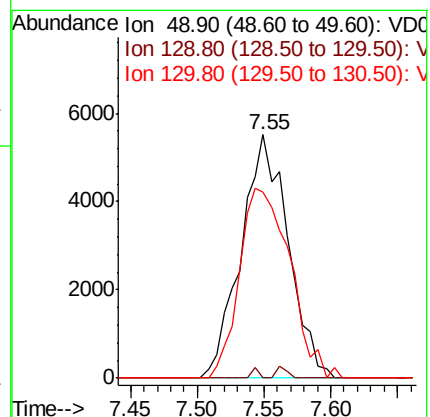
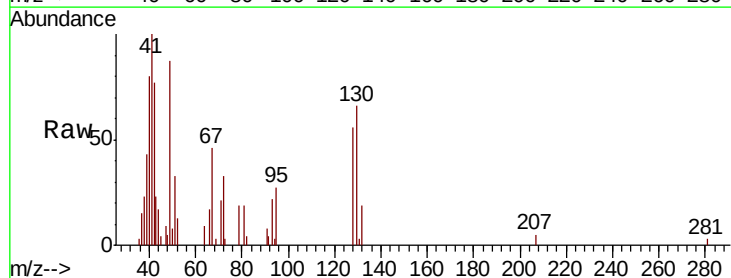
Tgt Ion: 49 Resp: 13489

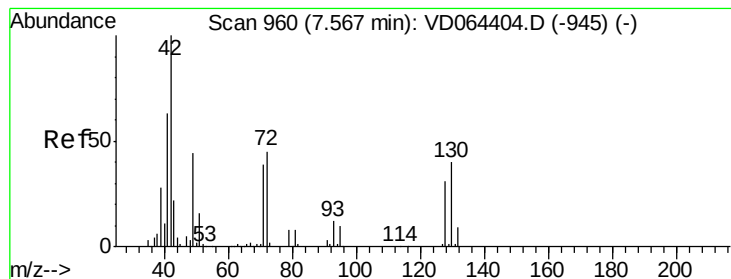
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.4

130 83.4 67.4 101.0





#29

Tetrahydrofuran

Concen: 53.155 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

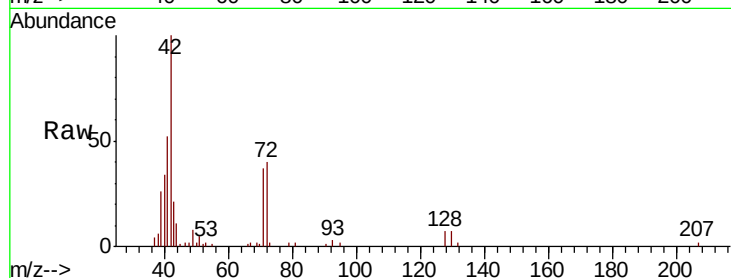
Tot Ion: 42 Resp: 41466

Ion Ratio Lower Upper

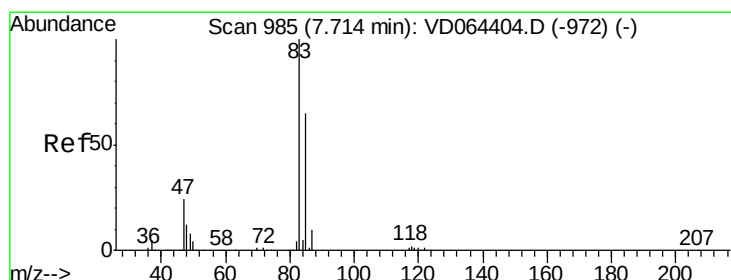
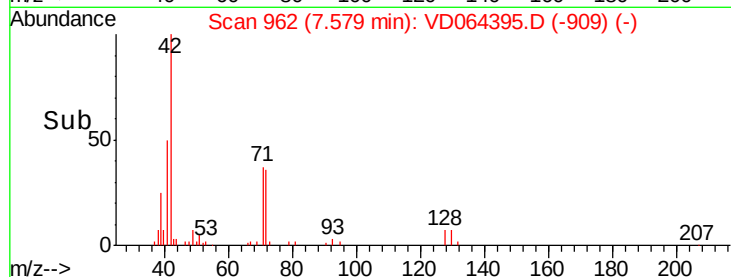
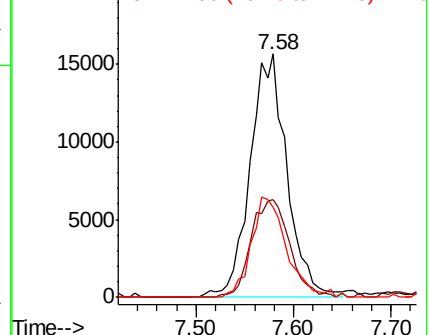
42 100

72 42.0 35.8 53.8

71 39.5 32.7 49.1



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



#30

Chloroform

Concen: 10.560 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064395.D

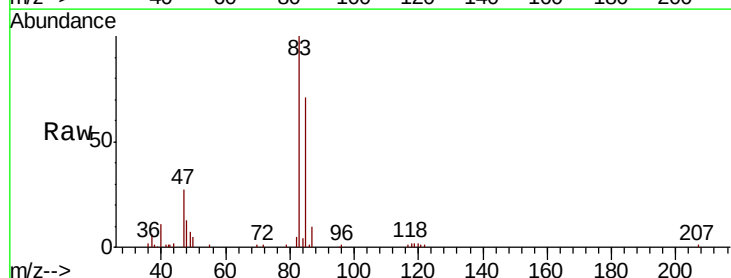
Acq: 27 Nov 2019 14:39

Tgt Ion: 83 Resp: 86571

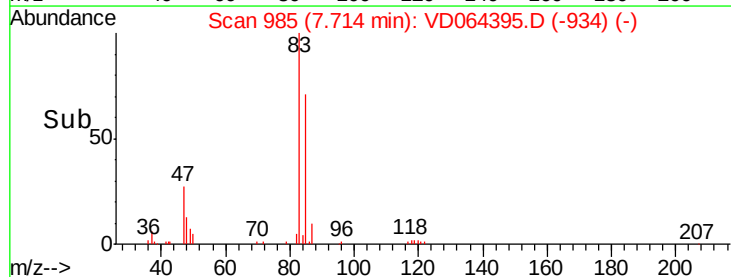
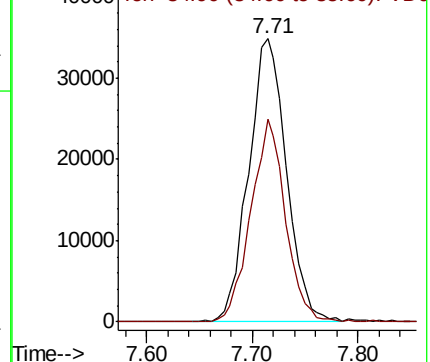
Ion Ratio Lower Upper

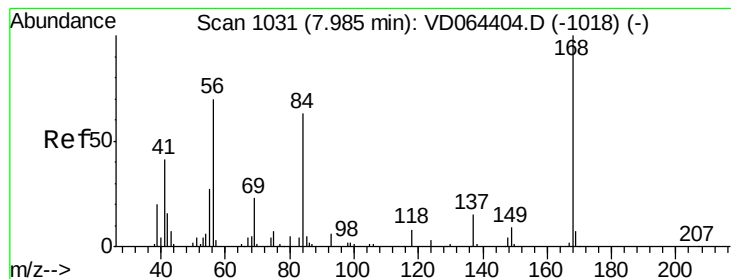
83 100

85 71.4 51.8 77.6



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





#31

Cyclohexane

Concen: 7.899 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleID :

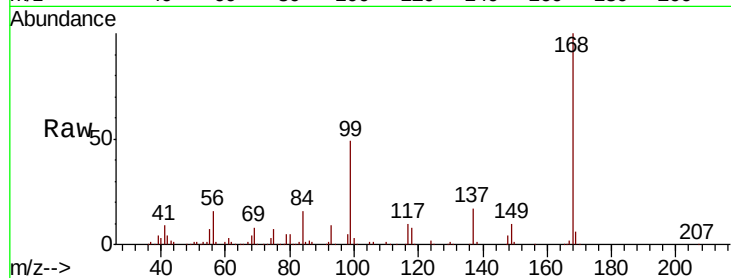
Tot Ion: 56 Resp: 81284

Ion Ratio Lower Upper

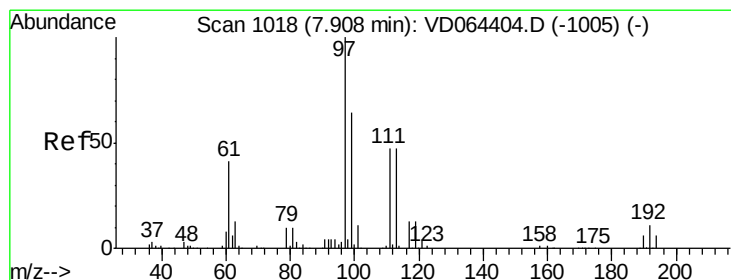
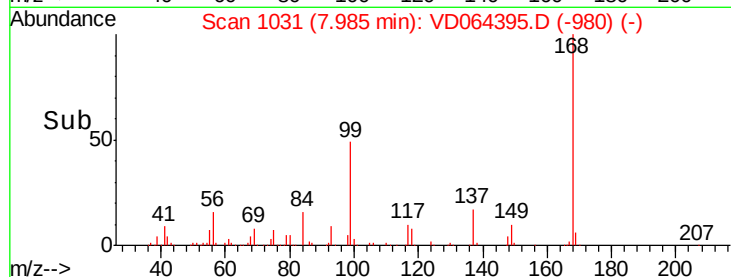
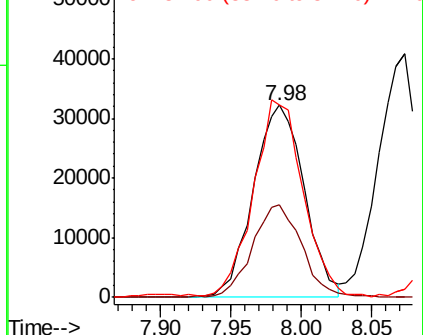
56 100

69 48.4 26.2 39.4#

84 98.3 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: 9.890 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

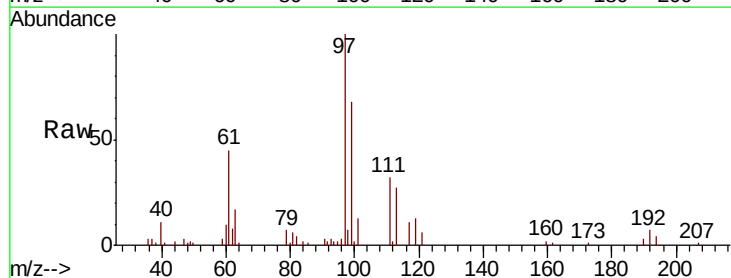
Tgt Ion: 97 Resp: 75167

Ion Ratio Lower Upper

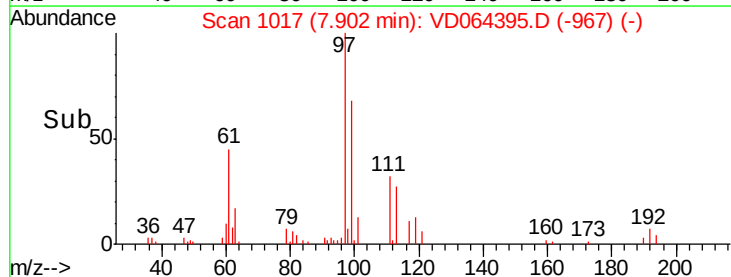
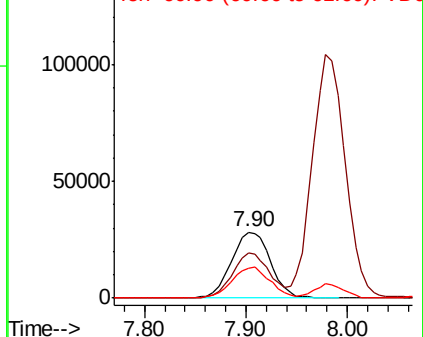
97 100

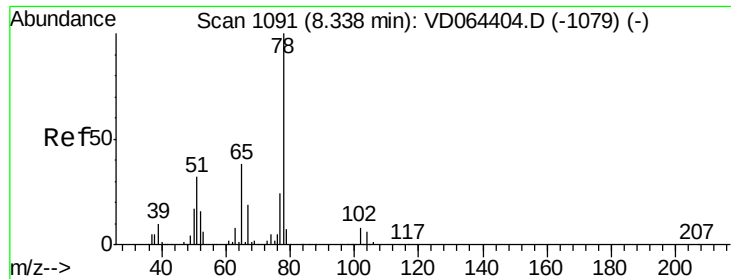
99 65.0 51.4 77.2

61 46.2 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

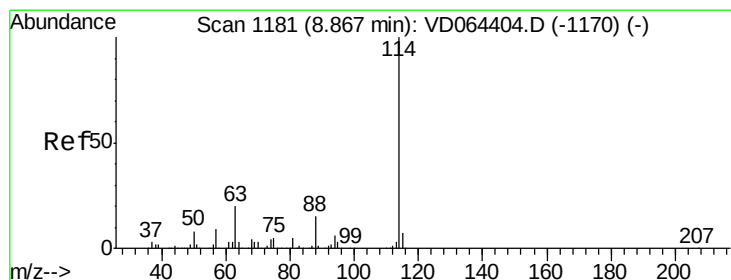
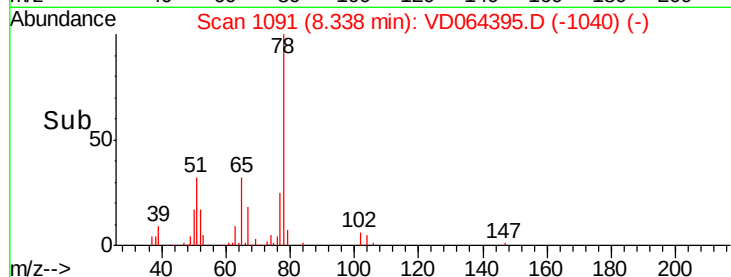
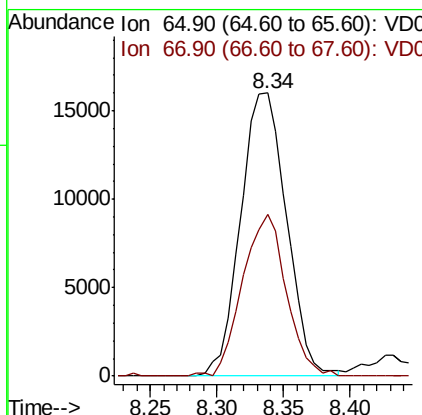
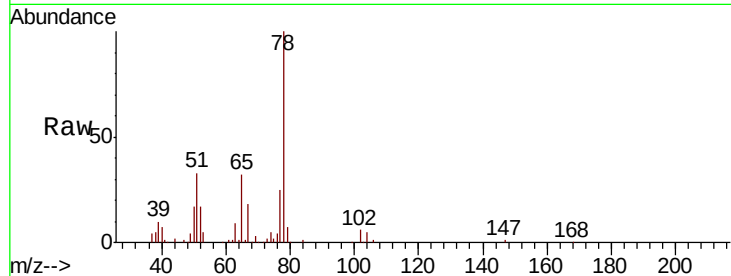




#33
 1,2-Dichloroethane-d4
 Concen: 8.902 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

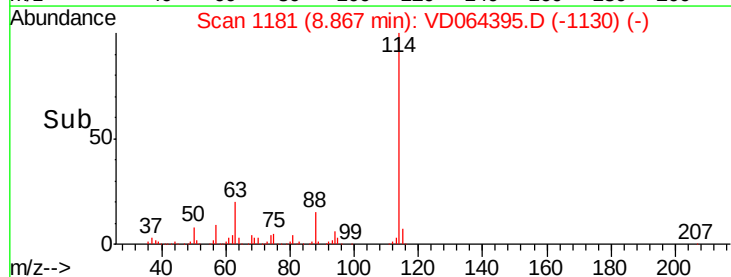
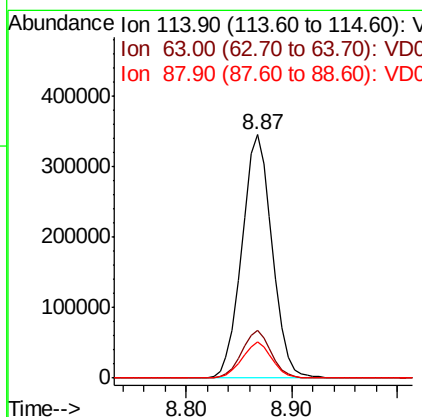
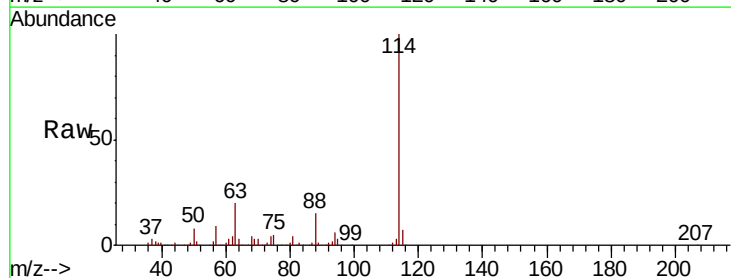
Instrument :
 MSVOA_D
 ClientSampleId :

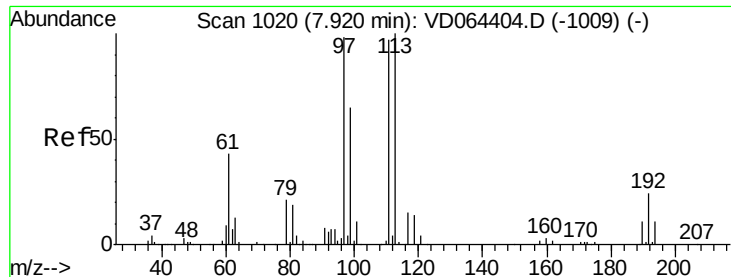
Tot Ion: 65 Resp: 38194
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion: 114 Resp: 684710
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.1 0.0 29.2





#35

Dibromofluoromethane

Concen: 9.199 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

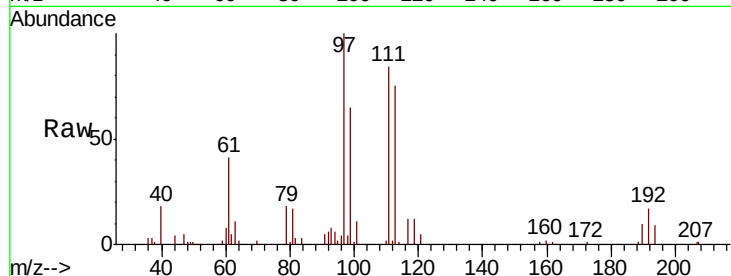
Tot Ion:113 Resp: 39683

Ion Ratio Lower Upper

113 100

111 101.0 79.4 119.2

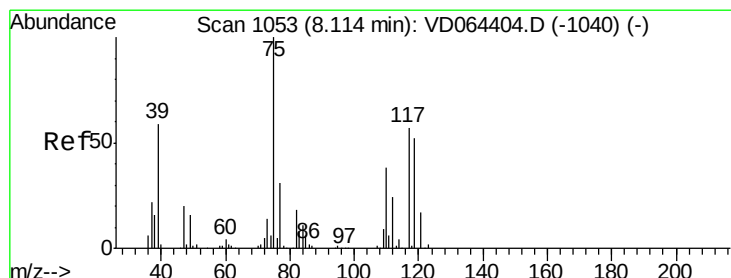
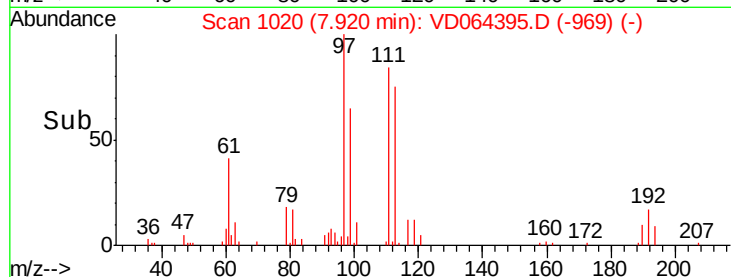
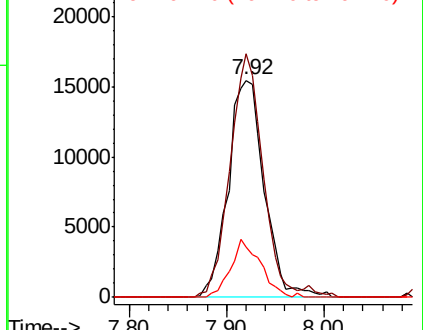
192 22.0 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.195 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

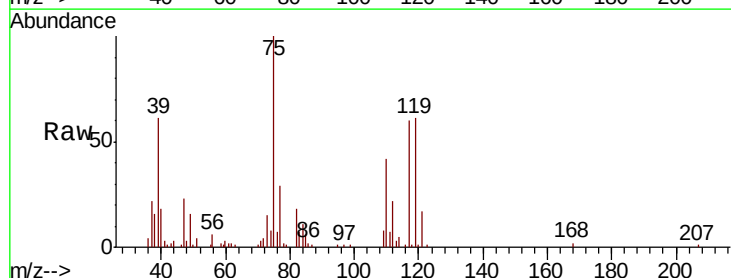
Tgt Ion: 75 Resp: 66028

Ion Ratio Lower Upper

75 100

110 38.1 18.6 55.8

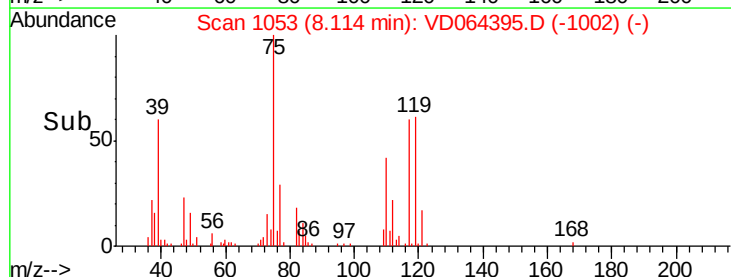
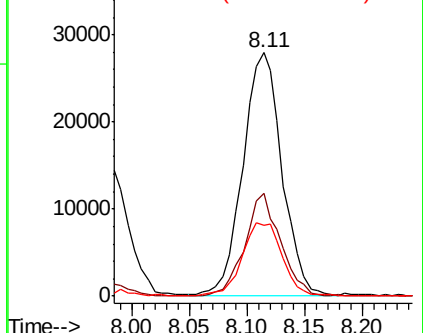
77 31.0 25.0 37.4

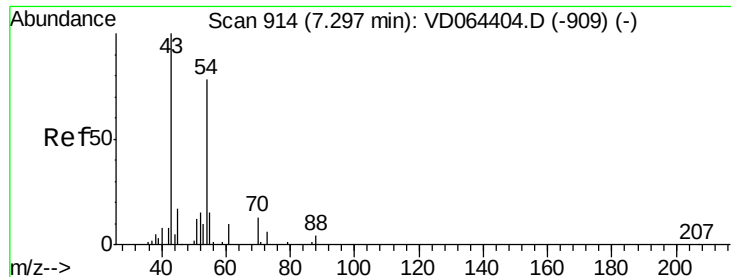


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

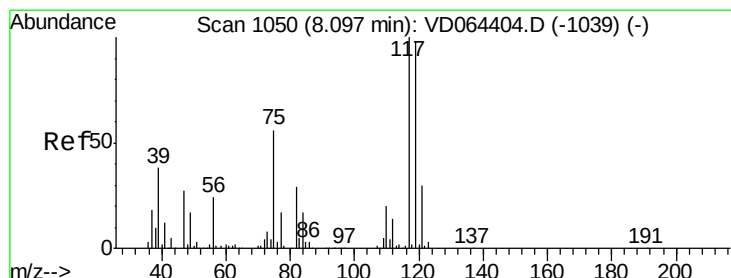
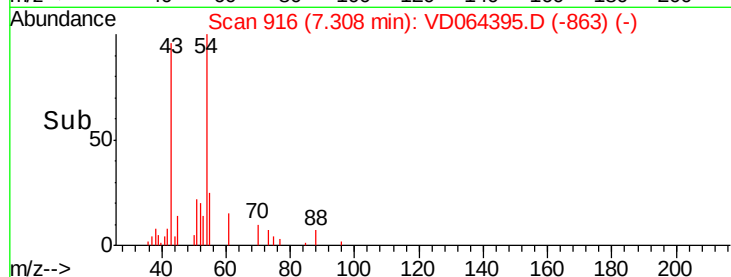
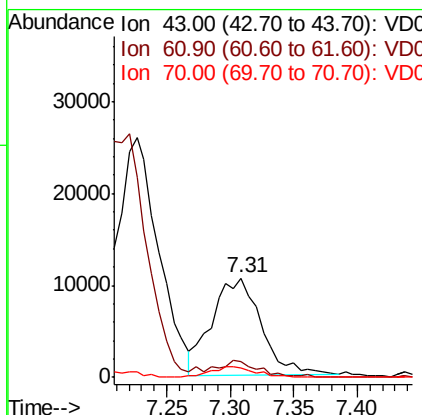
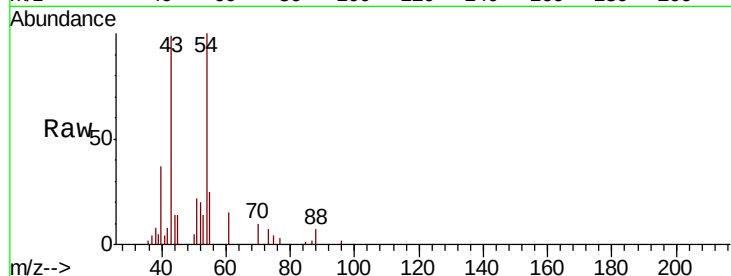




#37
Ethyl Acetate
Concen: 10.320 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

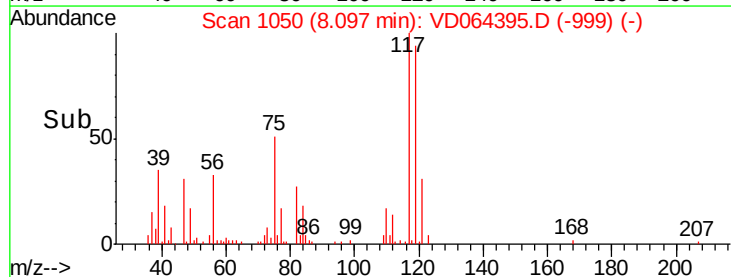
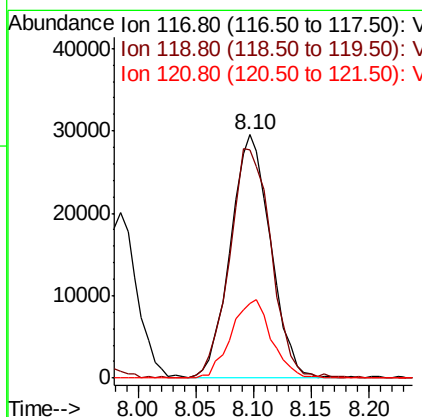
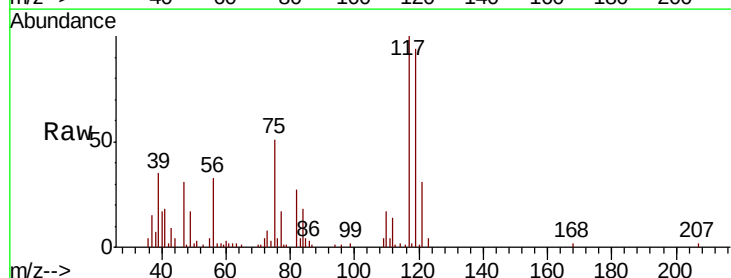
Instrument :
MSVOA_D
ClientSampleId :

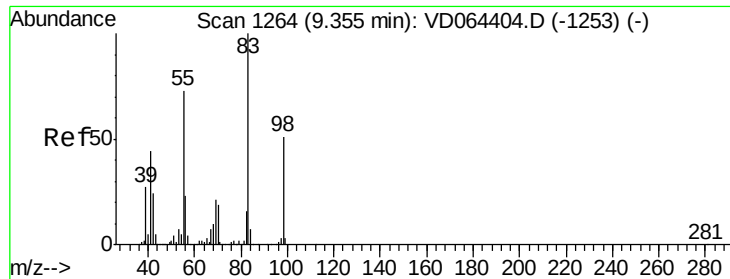
Tot Ion: 43 Resp: 28360
Ion Ratio Lower Upper
43 100
61 16.6 10.9 16.3#
70 10.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 10.448 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 117 Resp: 71419
Ion Ratio Lower Upper
117 100
119 93.5 78.8 118.2
121 30.8 24.2 36.2

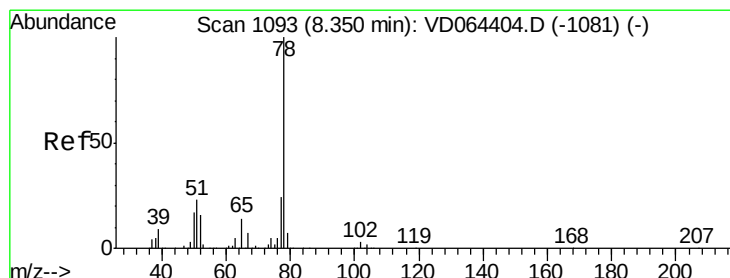
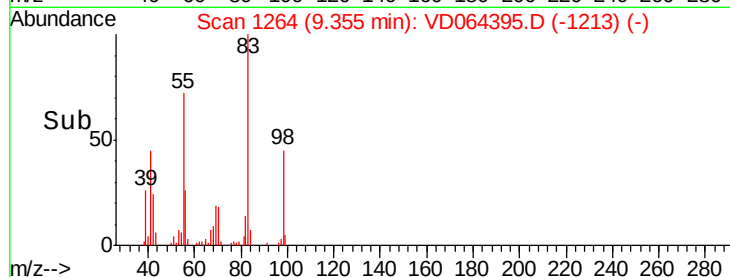
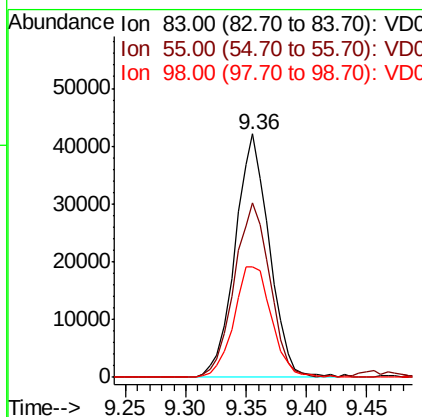
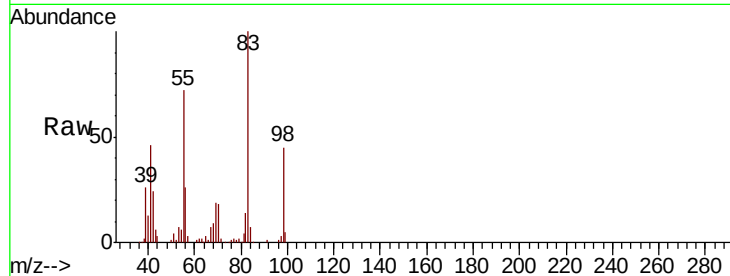




#39
Methylvlcyclohexane
Concen: 10.342 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

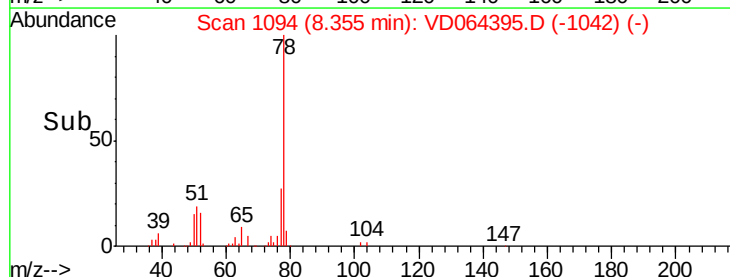
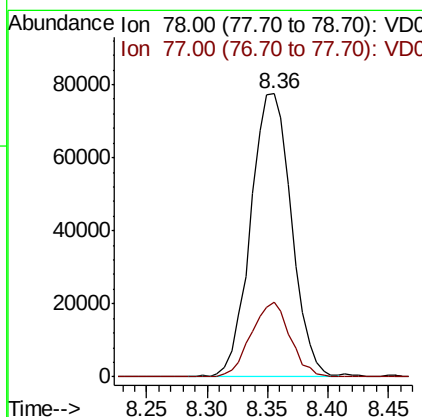
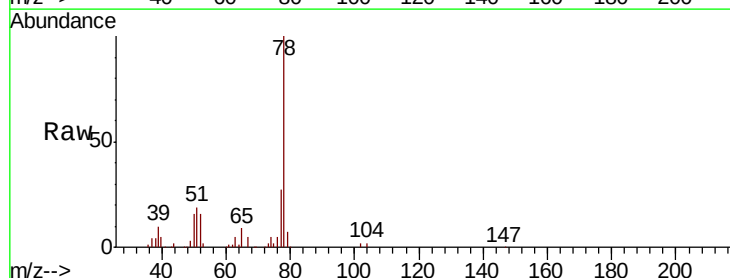
Instrument :
MSVOA_D
ClientSampled :

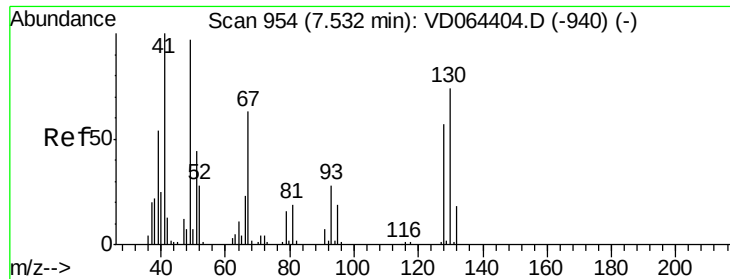
Tot Ion: 83 Resp: 83082
Ion Ratio Lower Upper
83 100
55 71.7 58.6 87.8
98 45.2 40.9 61.3



#40
Benzene
Concen: 10.114 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 78 Resp: 181922
Ion Ratio Lower Upper
78 100
77 26.6 19.6 29.4

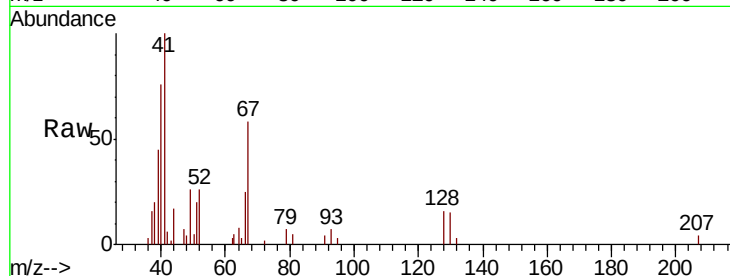




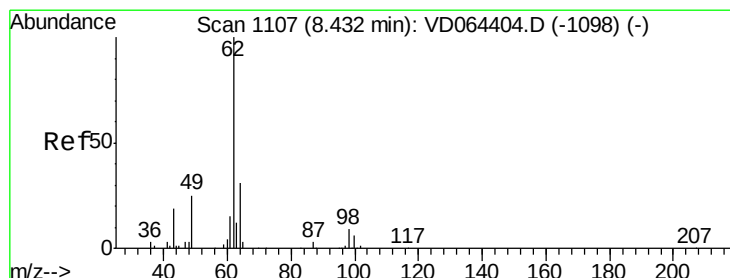
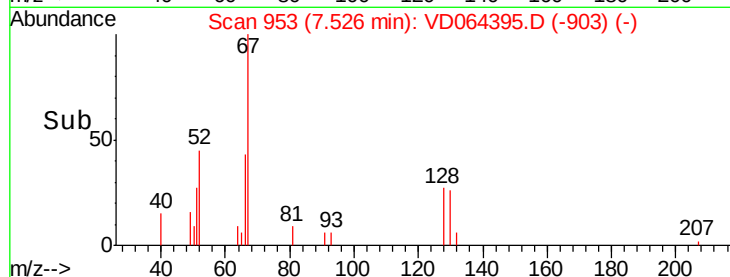
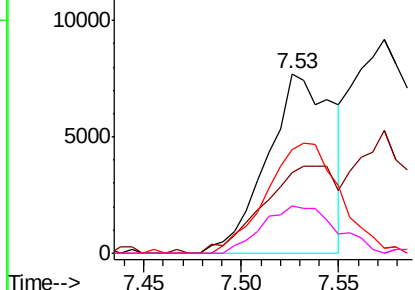
#41
Methacrylonitrile
Concen: 11.399 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	17964
Ion	Ratio	Lower	Upper
41	100		
39	53.5	44.6	67.0
67	69.0	50.9	76.3
52	29.4	22.5	33.7

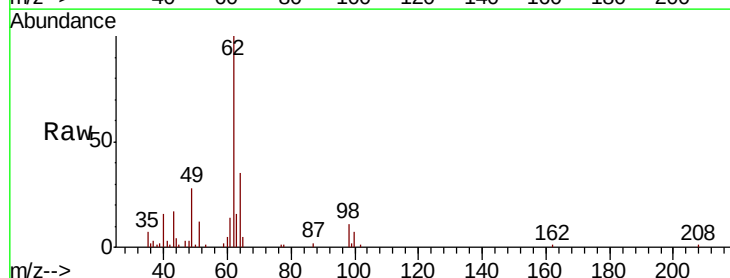


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

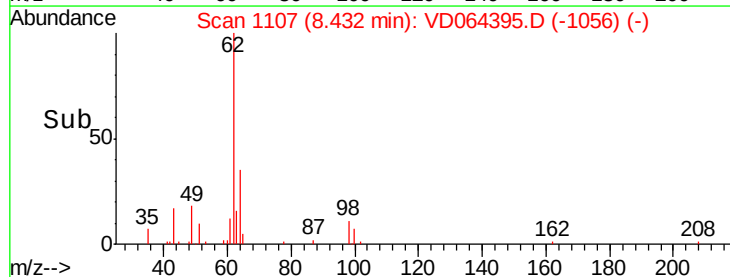
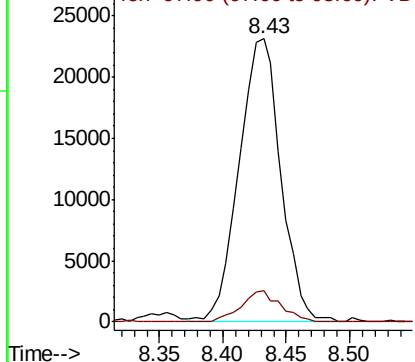


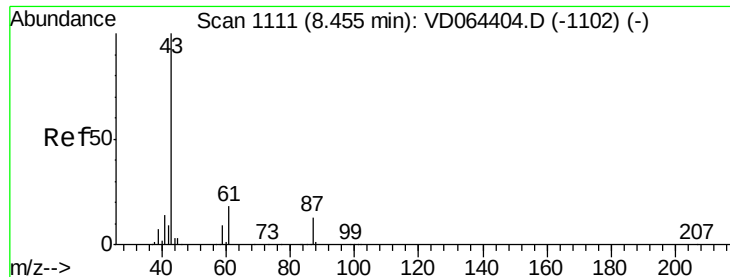
#42
1,2-Dichloroethane
Concen: 10.094 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion:	62	Resp:	52949
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 10.436 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

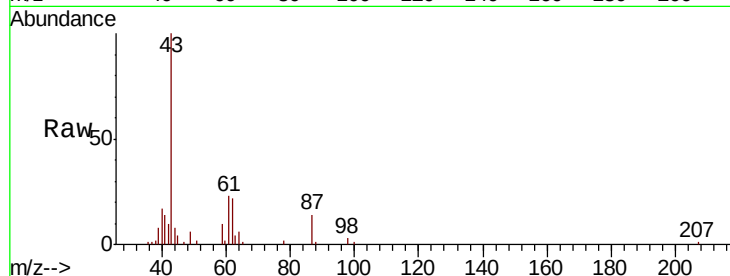
Tot Ion: 43 Resp: 56388

Ion Ratio Lower Upper

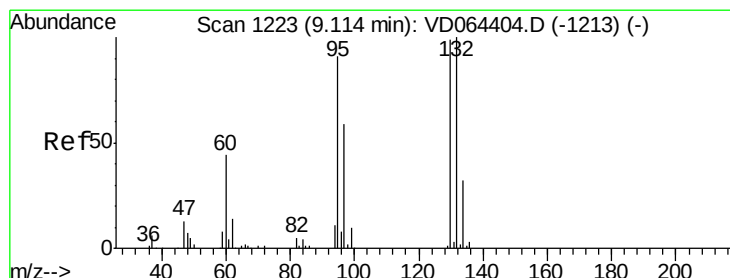
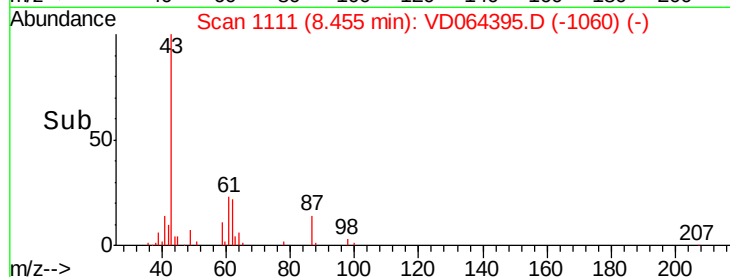
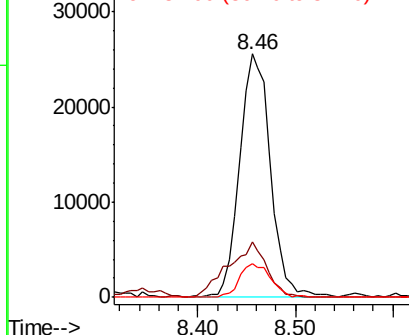
43 100

61 28.1 24.0 36.0

87 14.0 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: 10.073 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064395.D

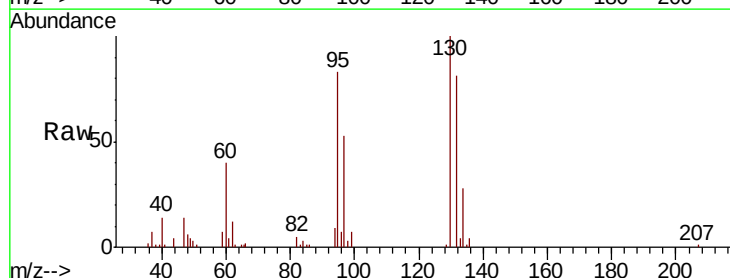
Acq: 27 Nov 2019 14:39

Tgt Ion:130 Resp: 54580

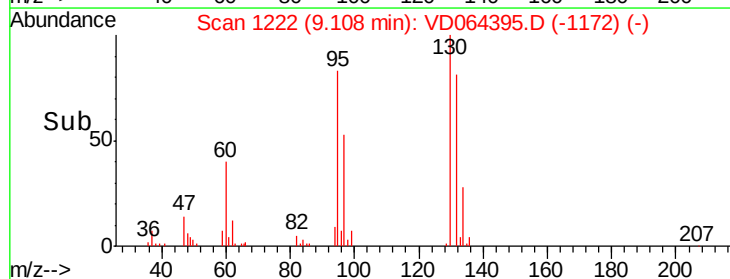
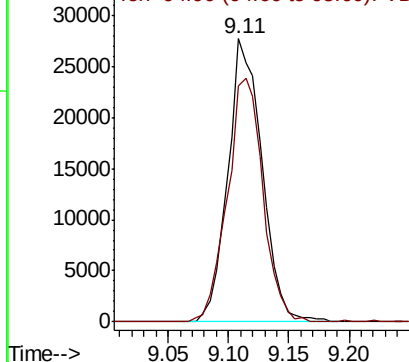
Ion Ratio Lower Upper

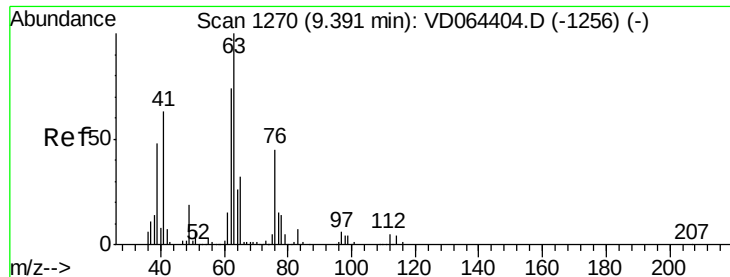
130 100

95 83.3 0.0 184.6



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

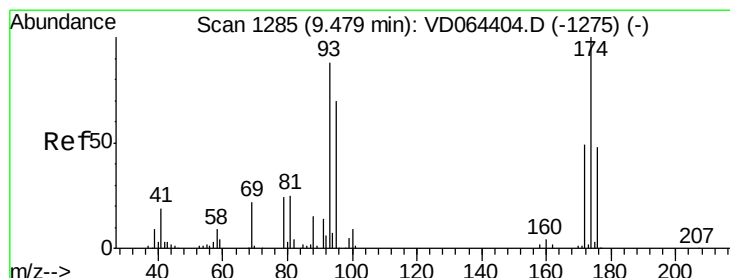
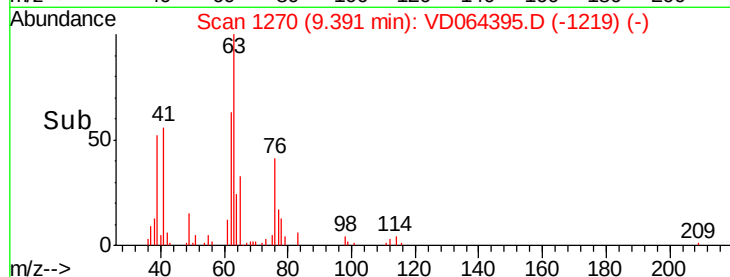
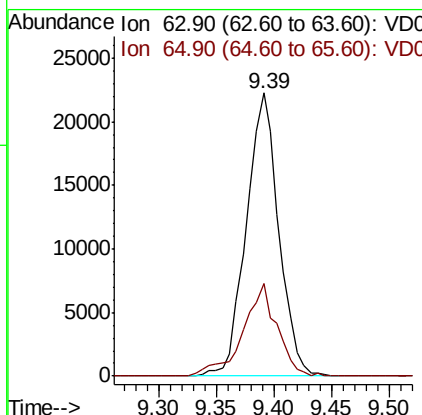
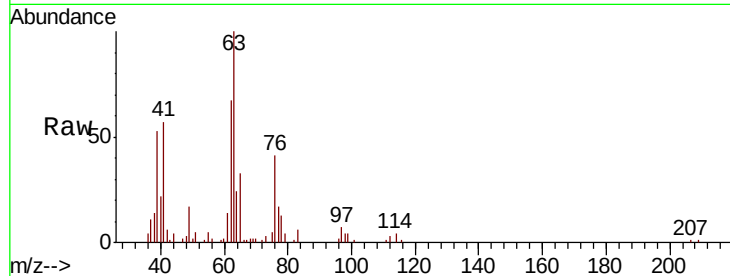




#45
 1,2-Dichloropropane
 Concen: 10.121 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

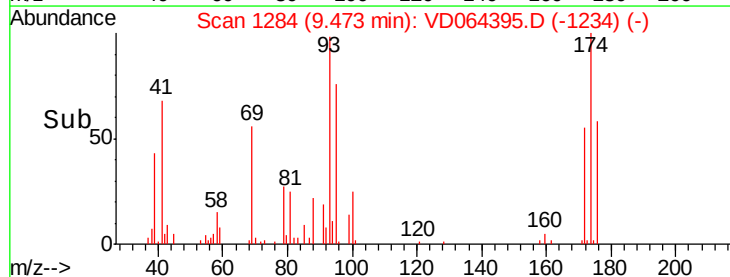
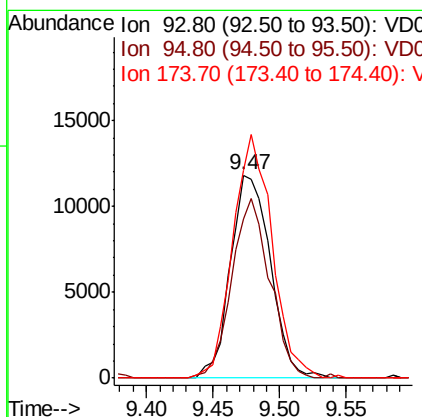
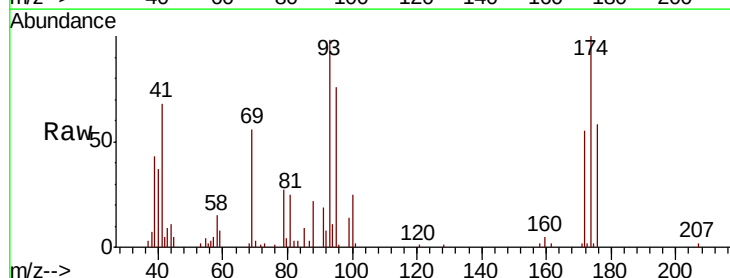
Instrument :
 MSVOA_D
 ClientSampleId :

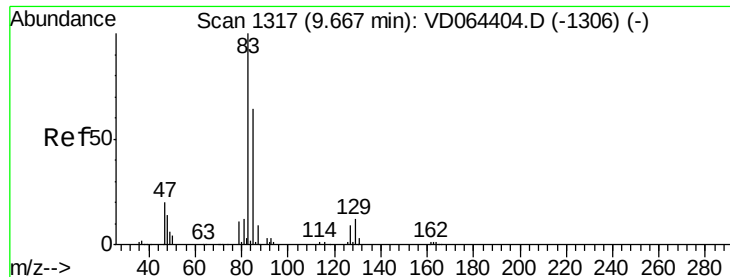
Tot Ion: 63 Resp: 43540
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.0



#46
 Dibromomethane
 Concen: 10.130 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion: 93 Resp: 24596
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 117.8 92.3 138.5





#47

Bromodichloromethane

Concen: 9.829 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

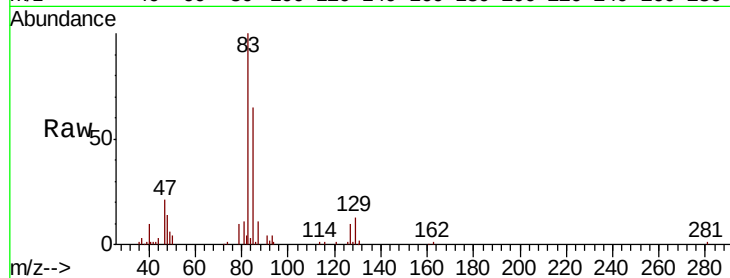
Tot Ion: 83 Resp: 61319

Ion Ratio Lower Upper

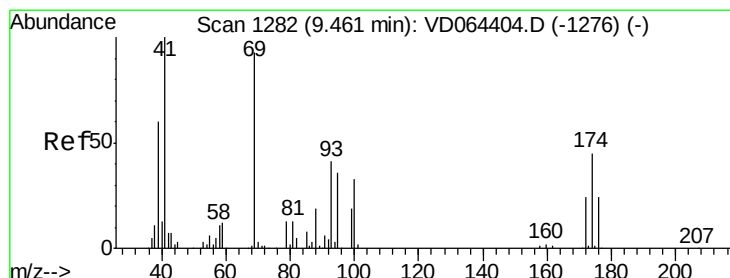
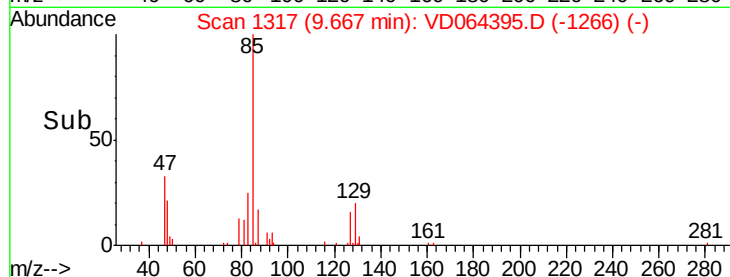
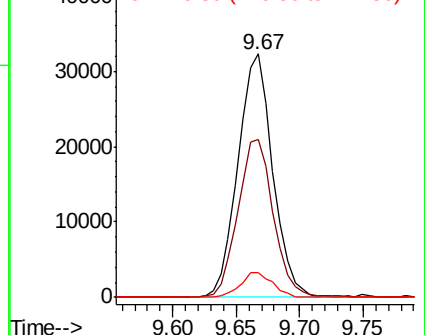
83 100

85 64.7 51.1 76.7

127 10.4 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: 9.978 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

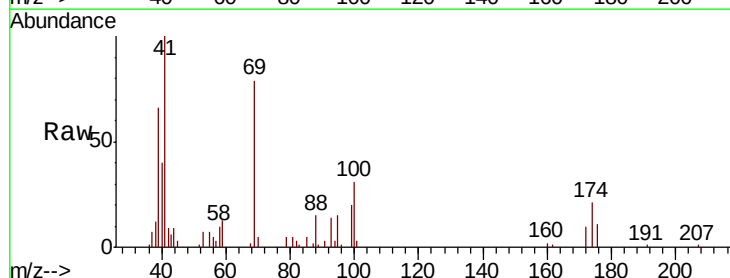
Tgt Ion: 41 Resp: 24671

Ion Ratio Lower Upper

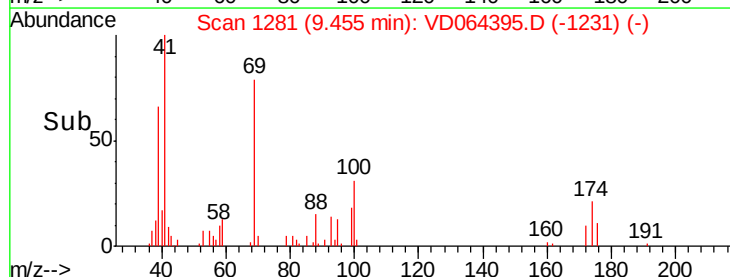
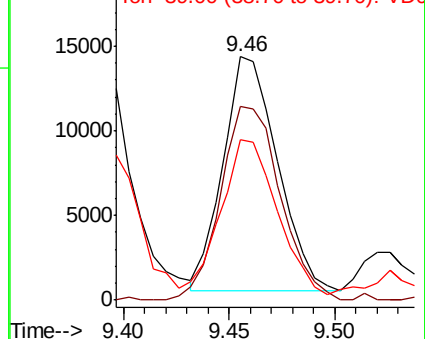
41 100

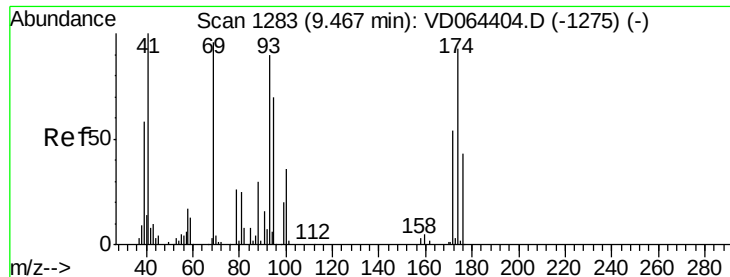
69 91.5 72.0 108.0

39 67.9 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

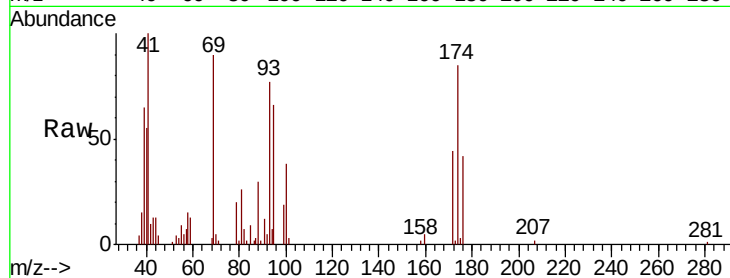




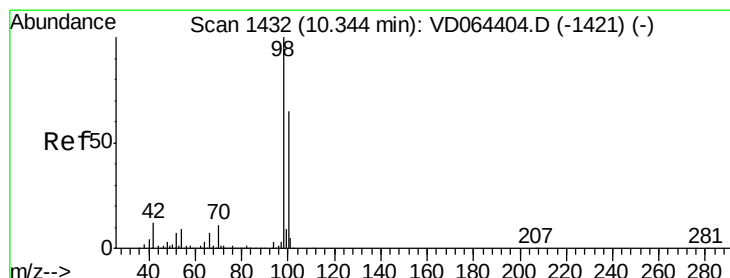
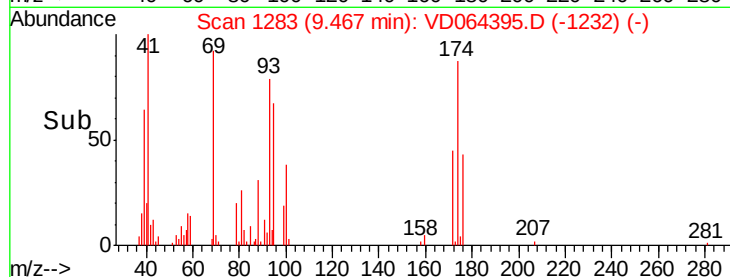
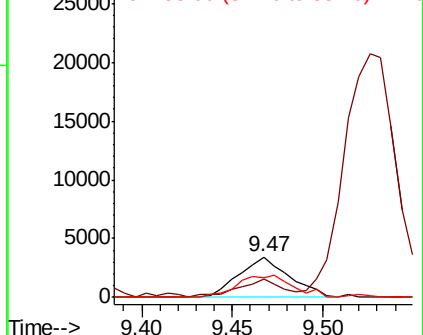
#49
1,4-Dioxane
Concen: 219.964 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 6595
Ion Ratio Lower Upper
88 100
43 39.3 26.7 40.1
58 59.7 52.3 78.5

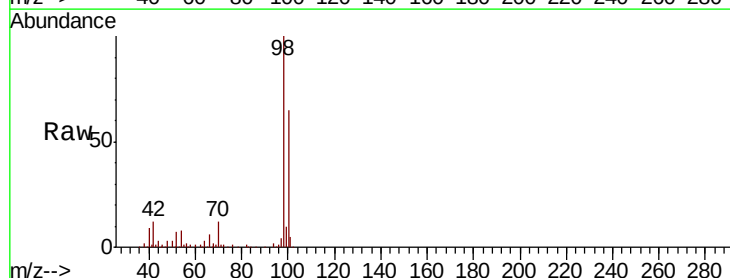


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

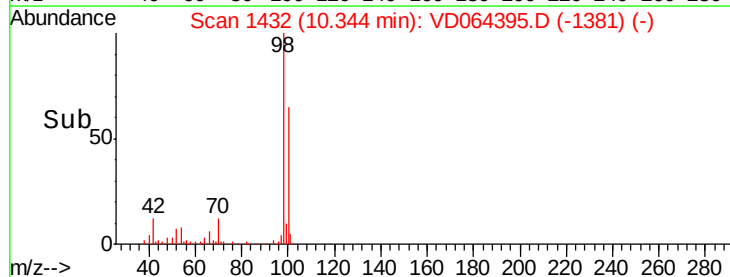
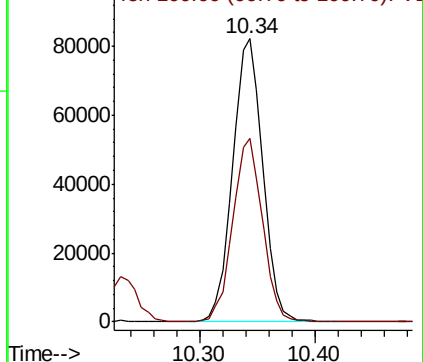


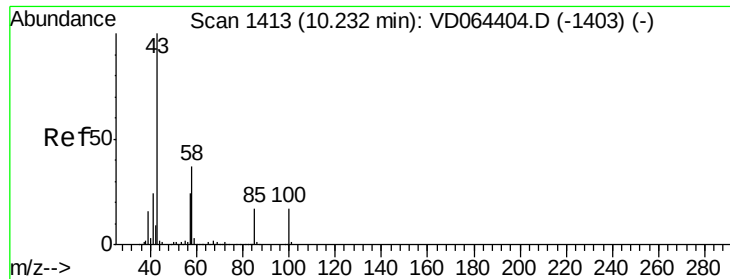
#50
Toluene-d8
Concen: 9.145 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 98 Resp: 148612
Ion Ratio Lower Upper
98 100
100 64.0 52.6 79.0



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

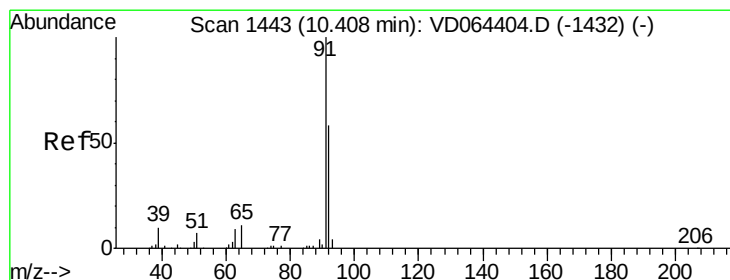
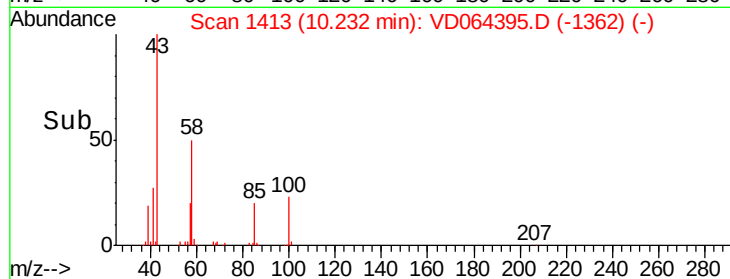
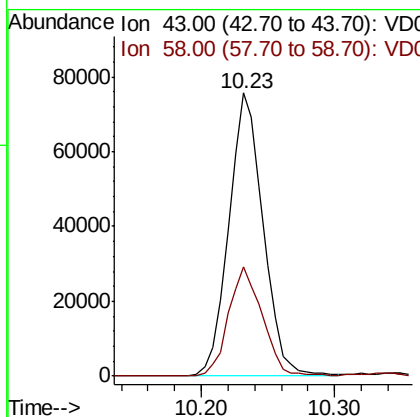
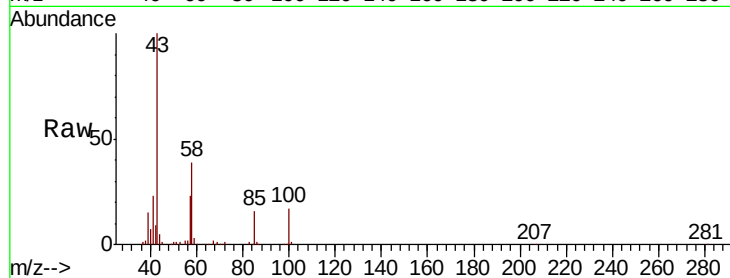




#51
4-Methyl-2-Pentanone
Concen: 50.710 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

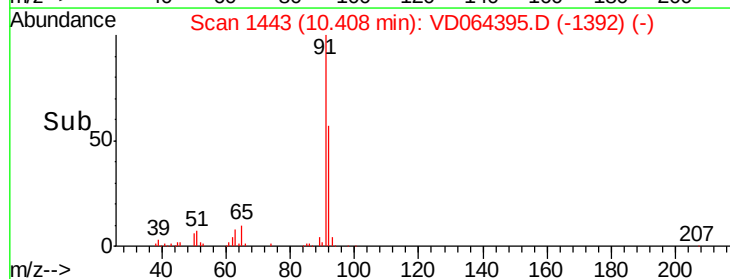
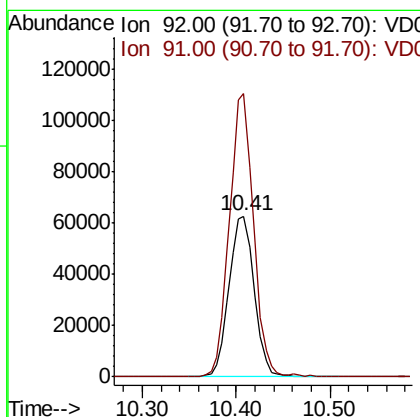
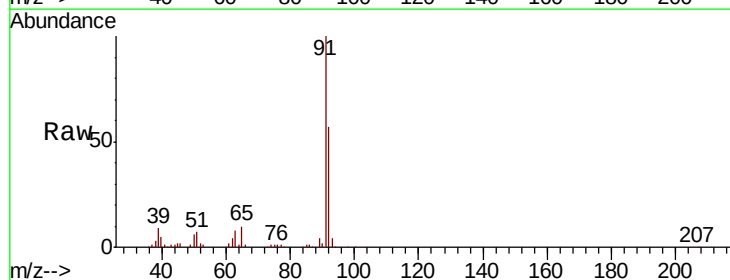
Instrument :
MSVOA_D
ClientSampleId :

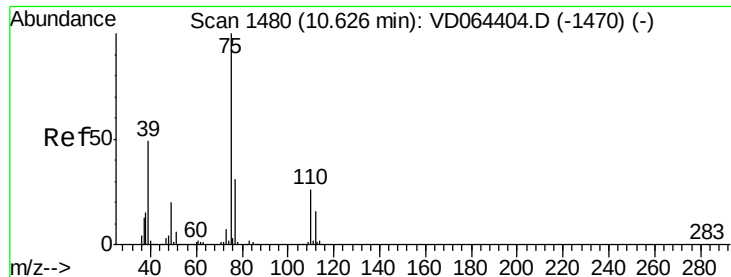
Tot Ion: 43 Resp: 135573
Ion Ratio Lower Upper
43 100
58 38.1 30.6 46.0



#52
Toluene
Concen: 9.989 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 92 Resp: 117103
Ion Ratio Lower Upper
92 100
91 167.4 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 10.084 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

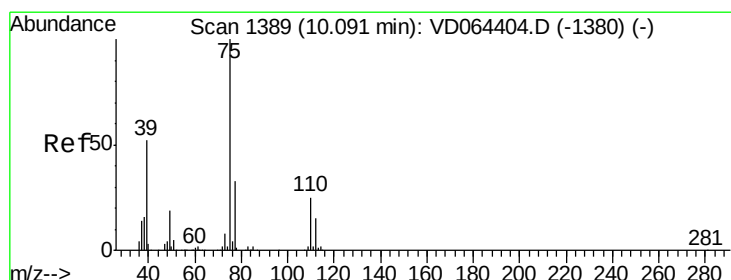
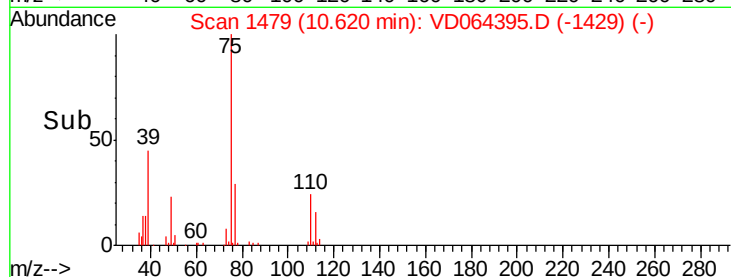
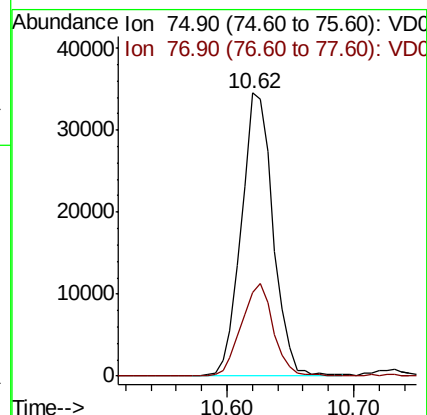
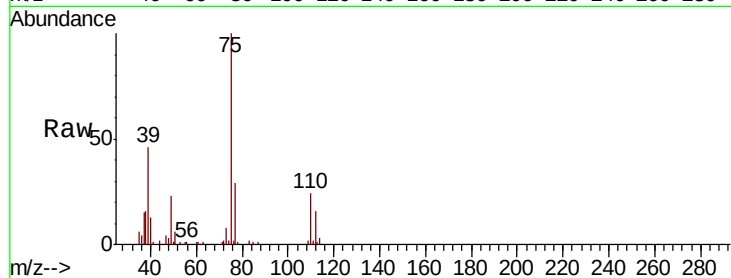
ClientSampleId :

Tot Ion: 75 Resp: 59957

Ion Ratio Lower Upper

75 100

77 29.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 9.943 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

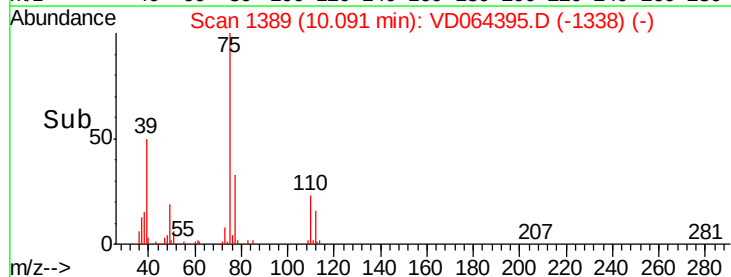
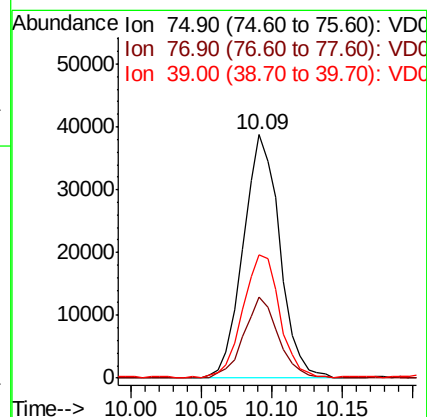
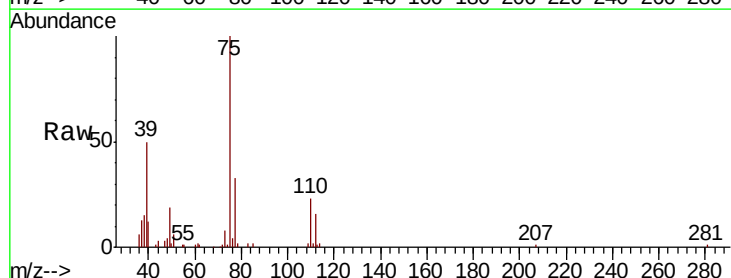
Tgt Ion: 75 Resp: 70231

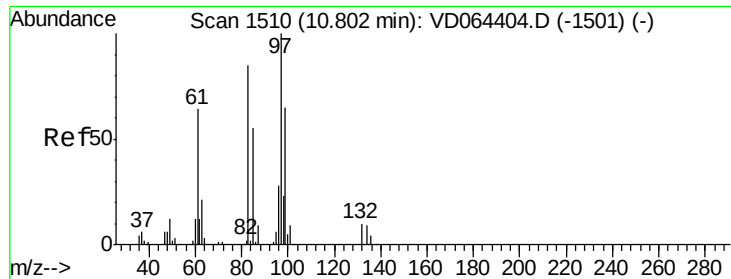
Ion Ratio Lower Upper

75 100

77 33.2 26.1 39.1

39 49.8 41.5 62.3

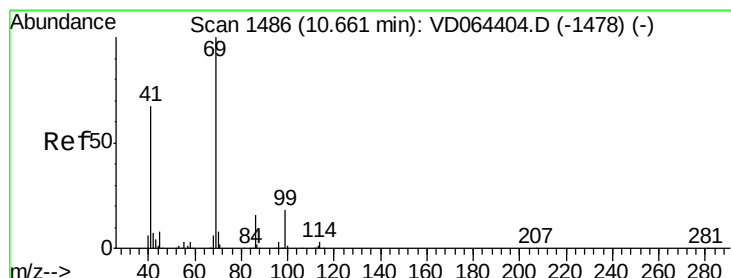
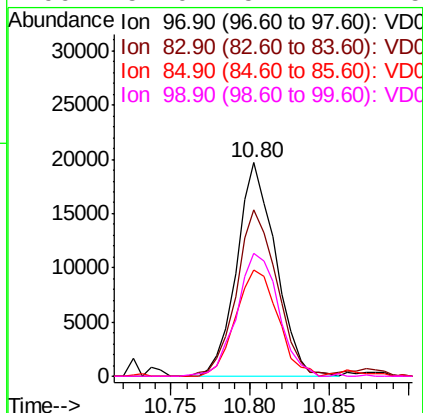
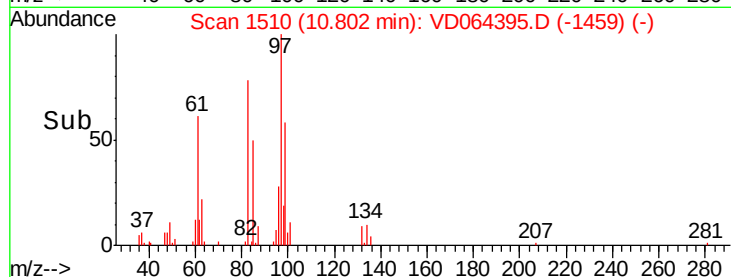
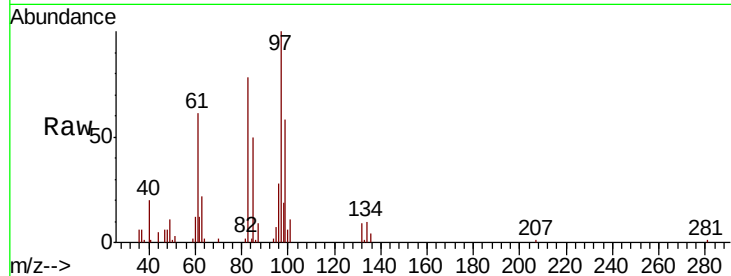




#55
 1,1,2-Trichloroethane
 Concen: 10.088 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

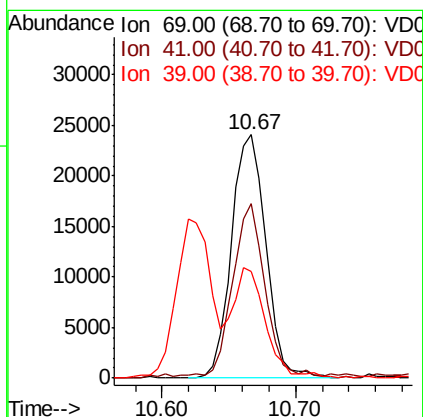
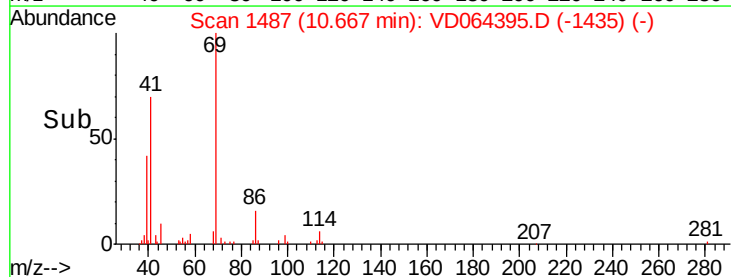
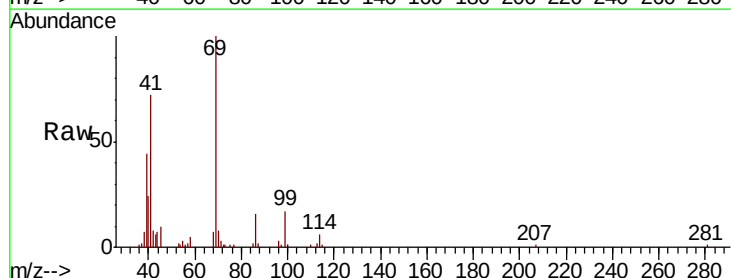
Instrument :
 MSVOA_D
 ClientSampleId :

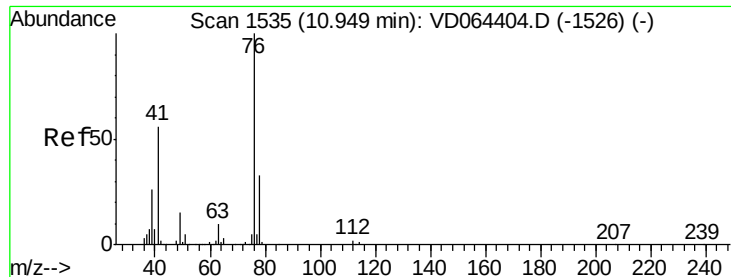
Tot Ion:	97	Resp:	33538
Ion	Ratio	Lower	Upper
97	100		
83	78.1	67.8	101.8
85	49.7	43.7	65.5
99	57.0	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 10.170 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion:	69	Resp:	43124
Ion	Ratio	Lower	Upper
69	100		
41	65.8	55.0	82.4
39	40.6	33.0	49.6





#57

1,3-Dichloropropane

Concen: 10.169 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

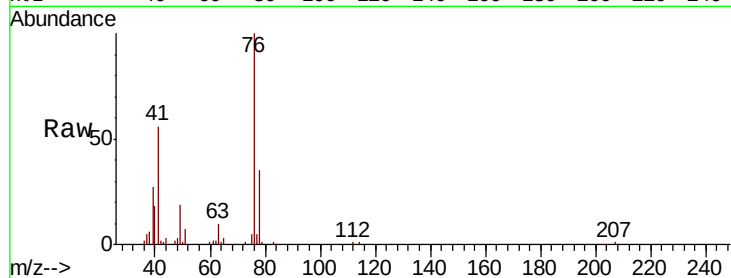
ClientSampled :

Tot Ion: 76 Resp: 57549

Ion Ratio Lower Upper

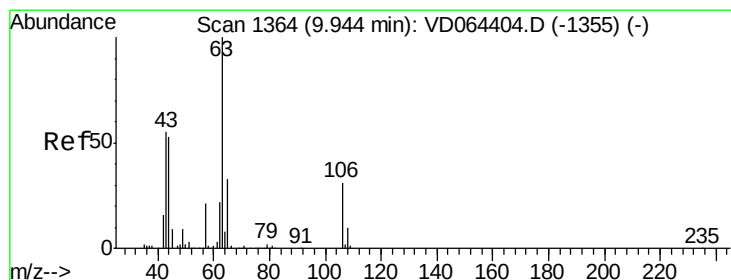
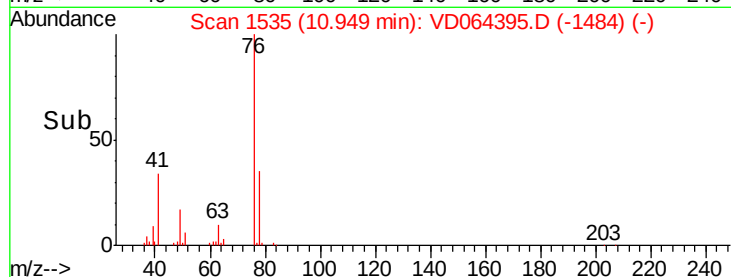
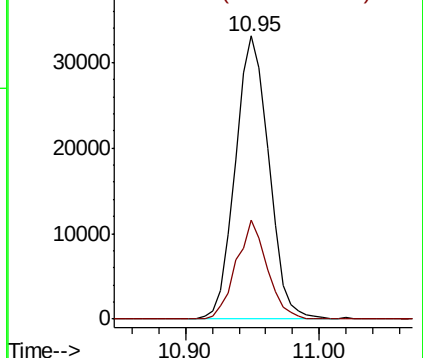
76 100

78 32.4 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: 52.817 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064395.D

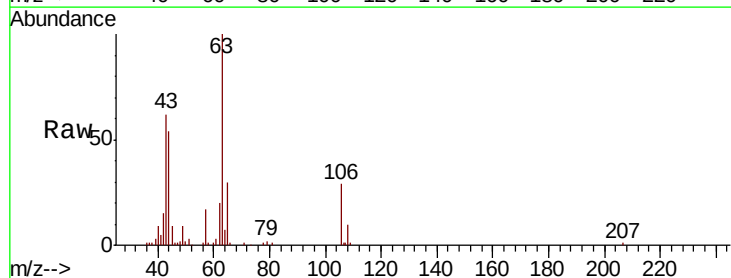
Acq: 27 Nov 2019 14:39

Tgt Ion: 63 Resp: 89280

Ion Ratio Lower Upper

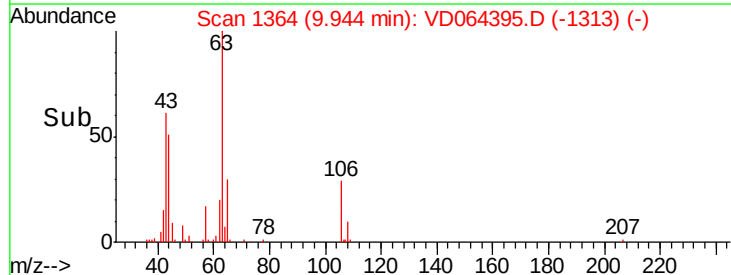
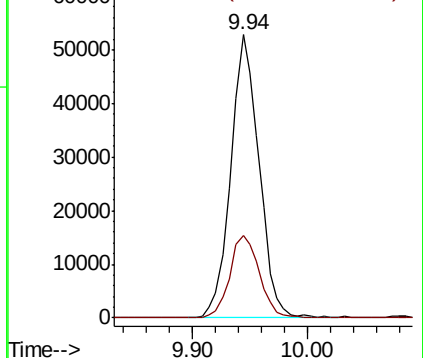
63 100

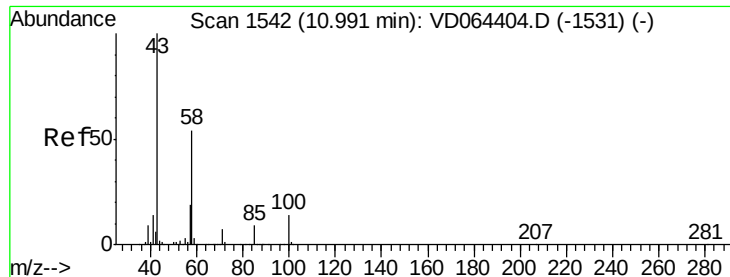
106 30.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

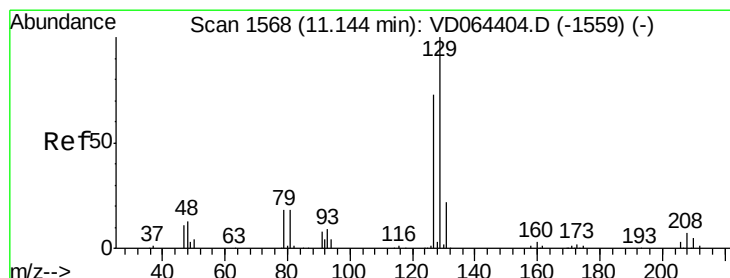
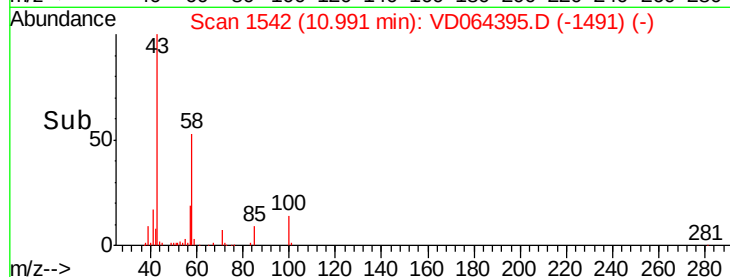
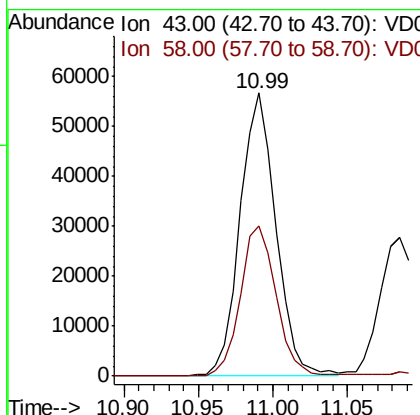
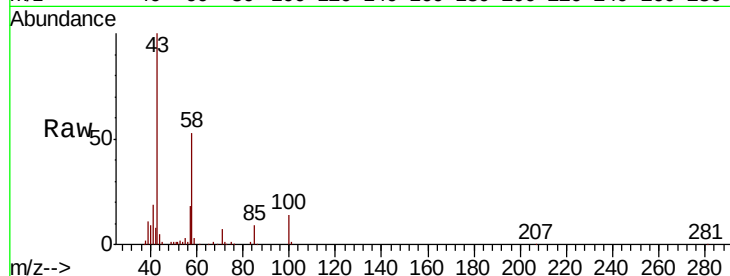




#59
2-Hexanone
Concen: 50.967 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

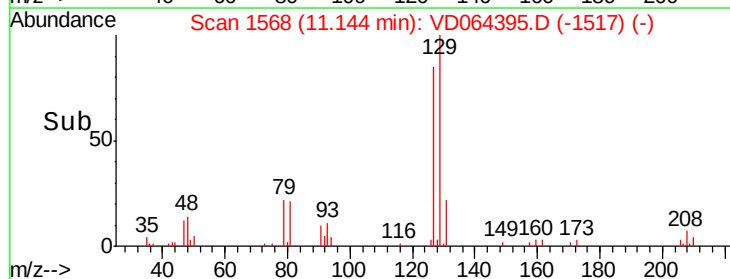
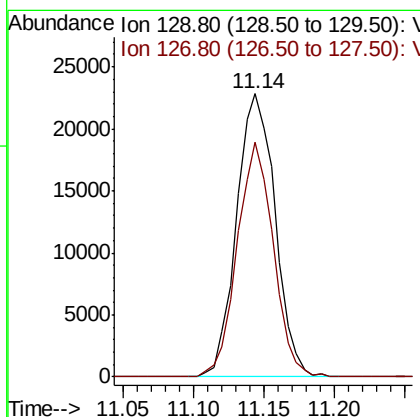
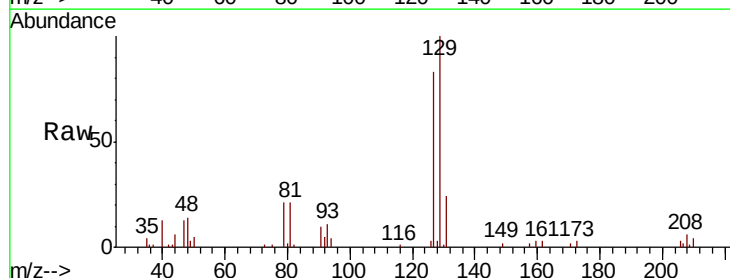
Instrument :
MSVOA_D
ClientSampleId :

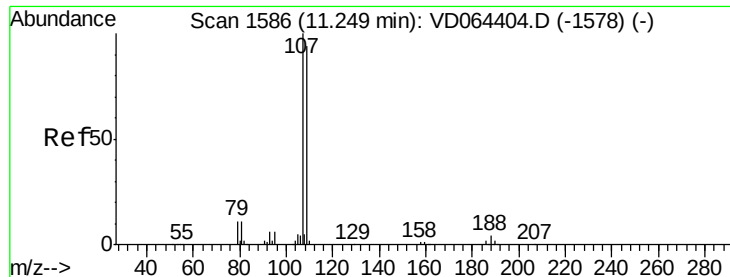
Tot Ion: 43 Resp: 94548
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 9.694 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 129 Resp: 43696
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

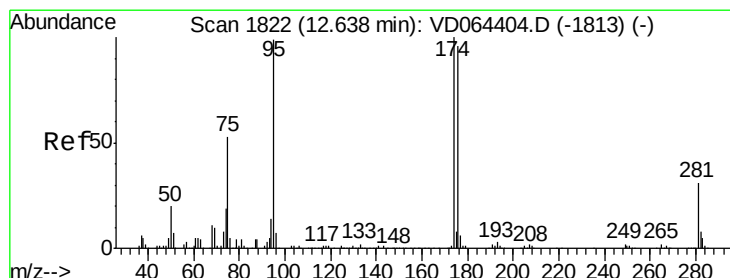
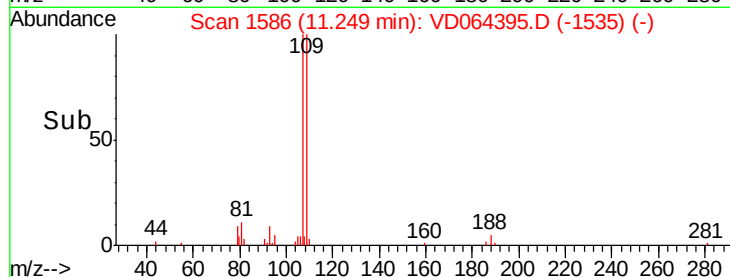
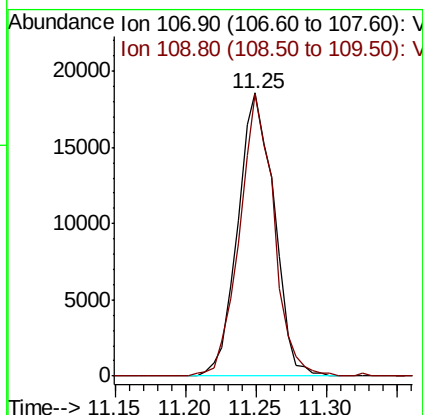
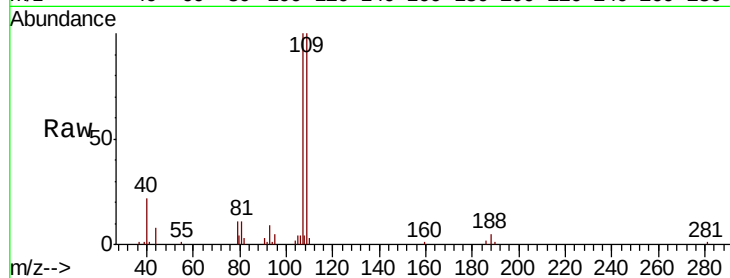




#61
 1,2-Dibromoethane
 Concen: 10.052 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

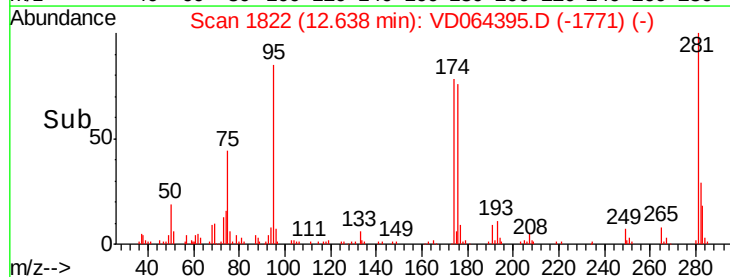
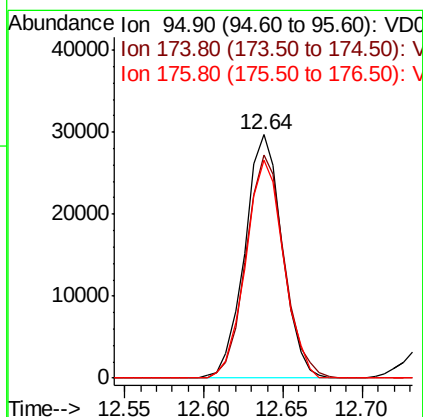
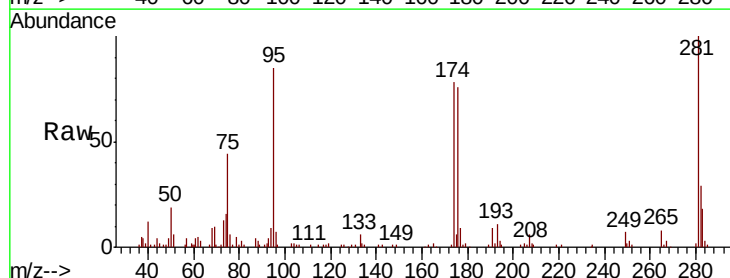
Instrument :
 MSVOA_D
 ClientSampleId :

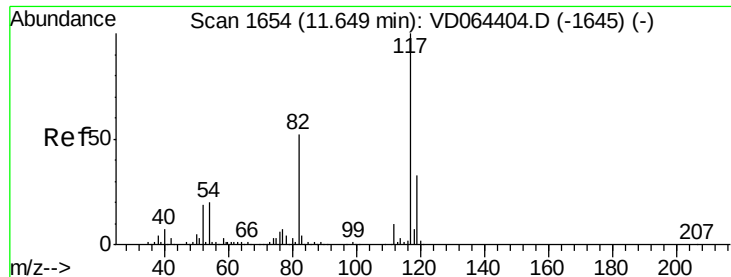
Tot Ion:107 Resp: 33369
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 9.355 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion: 95 Resp: 48856
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 197.2
 176 90.3 0.0 189.6

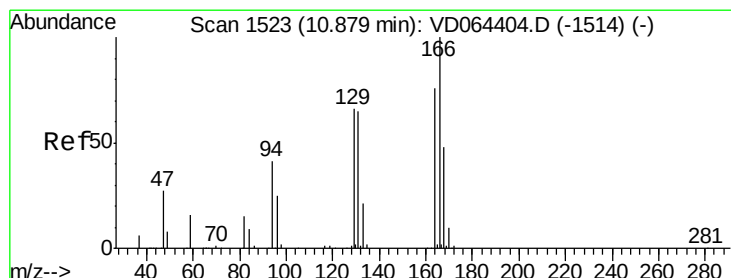
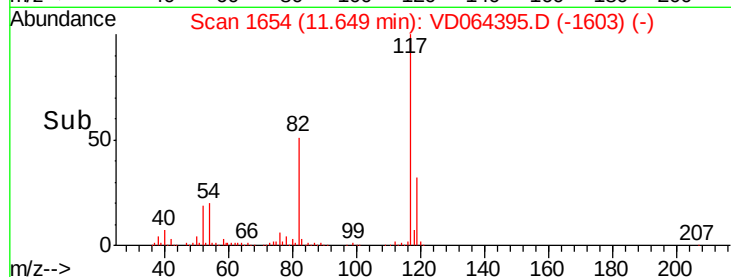
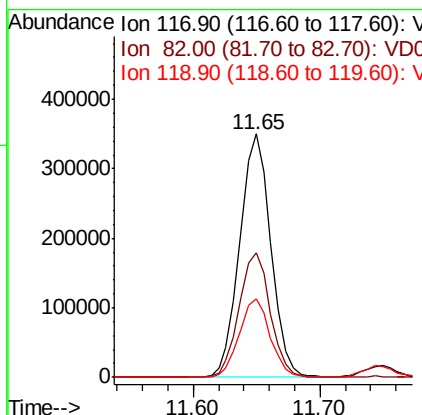
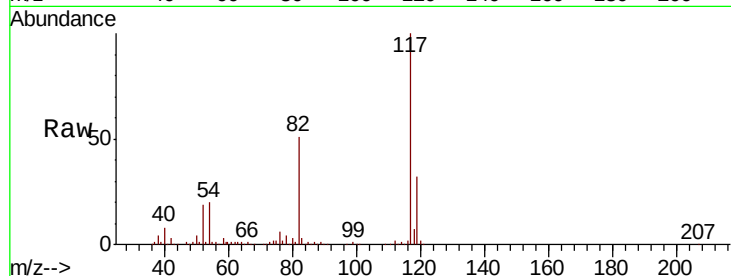




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

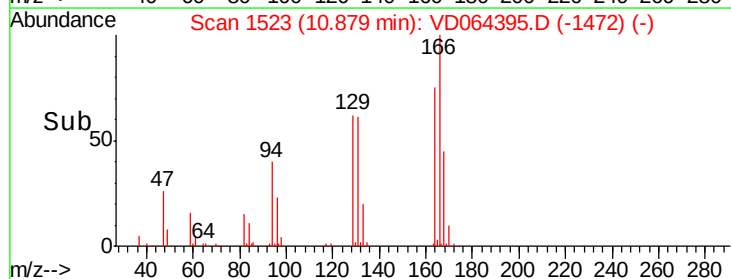
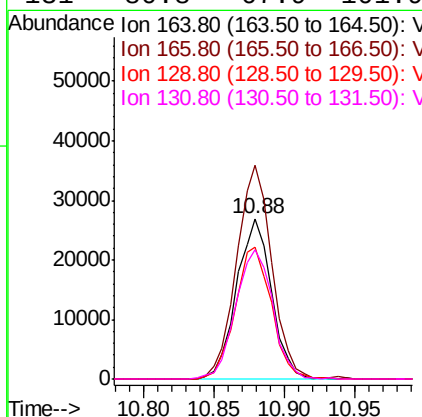
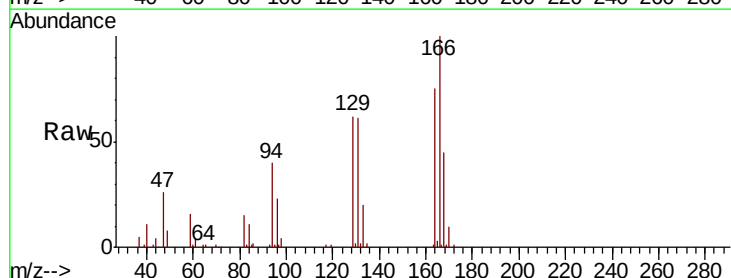
Instrument :
MSVOA_D
ClientSampled :

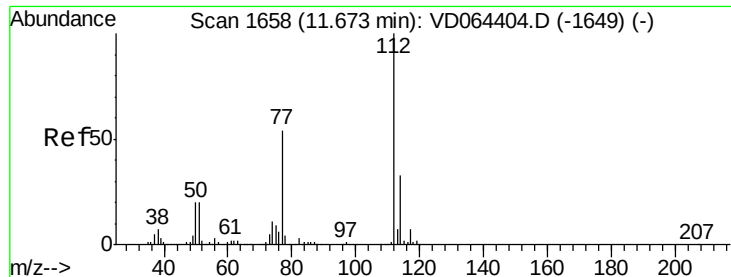
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.4	62.2
119	32.2	26.2	39.2



#64
Tetrachloroethene
Concen: 10.210 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	104.8	157.2
129	82.5	68.7	103.1
131	80.8	67.9	101.9

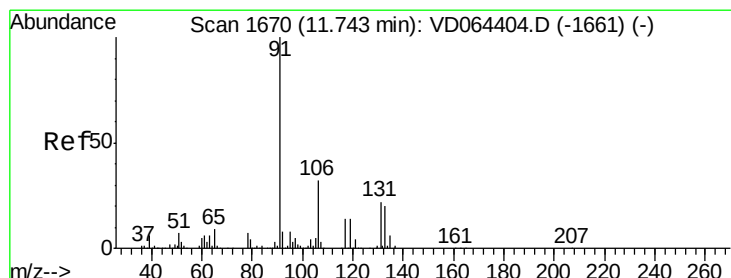
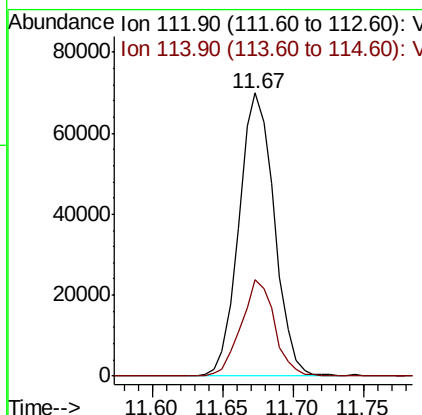
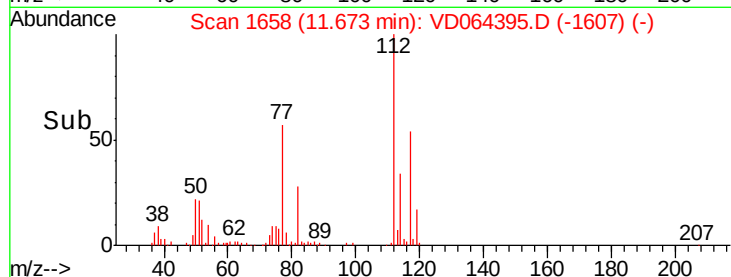
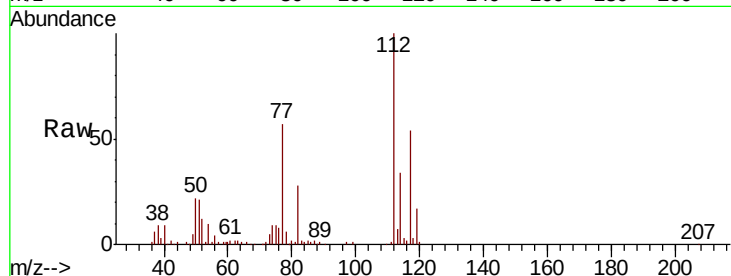




#65
Chlorobenzene
Concen: 9.829 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

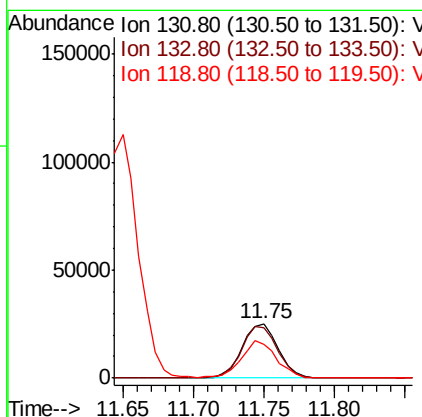
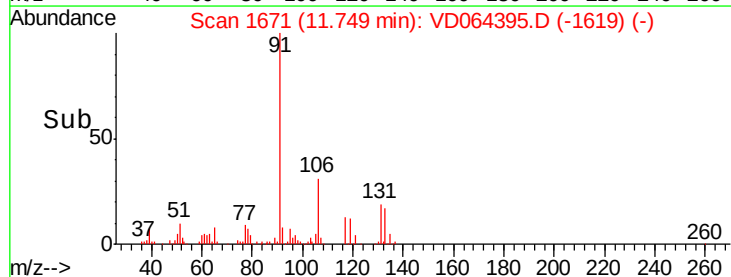
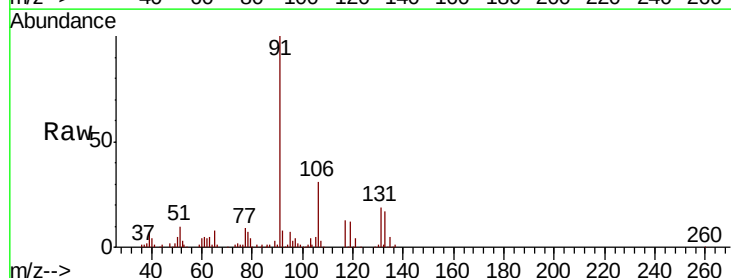
Instrument :
MSVOA_D
ClientSampleId :

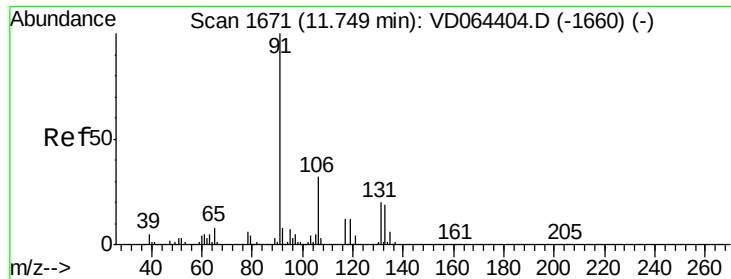
Tot Ion:112 Resp: 122386
Ion Ratio Lower Upper
112 100
114 34.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 9.764 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion:131 Resp: 45005
Ion Ratio Lower Upper
131 100
133 96.3 48.3 144.9
119 67.2 31.9 95.9





#67

Ethyl Benzene

Concen: 9.812 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

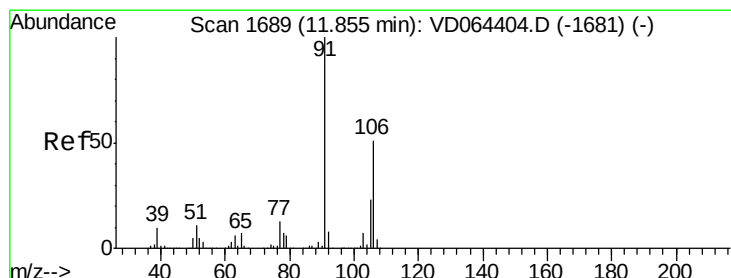
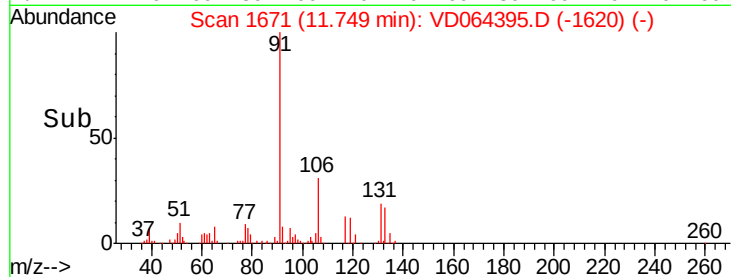
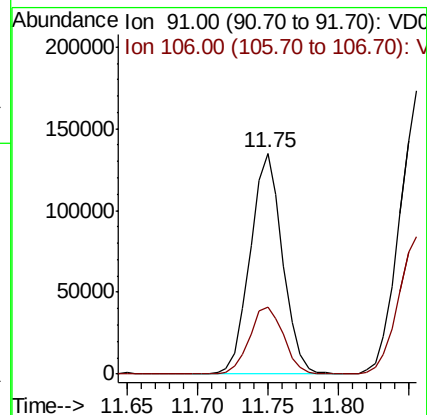
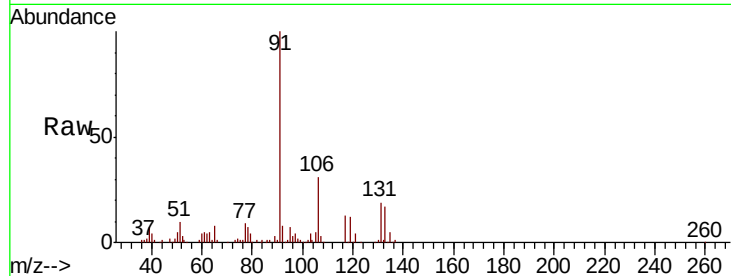
ClientSampleId :

Tot Ion: 91 Resp: 217368

Ion Ratio Lower Upper

91 100

106 30.6 25.8 38.8



#68

m/p-Xylenes

Concen: 20.079 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064395.D

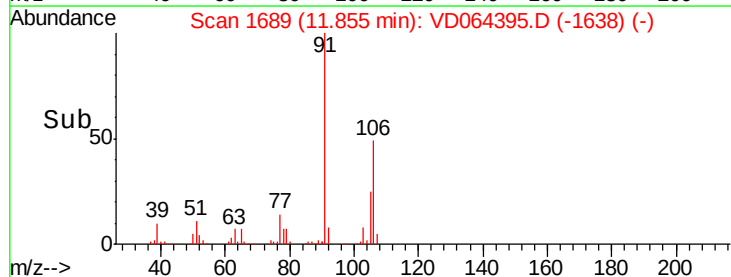
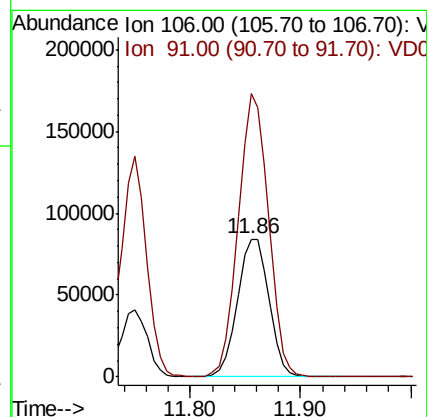
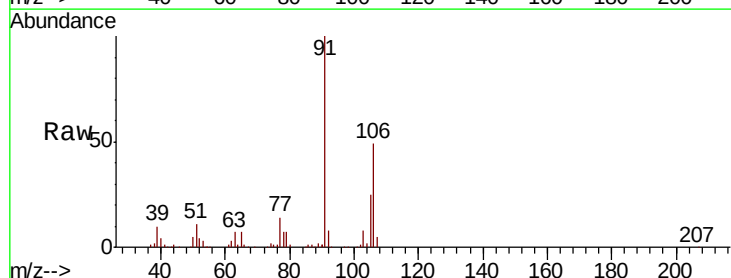
Acq: 27 Nov 2019 14:39

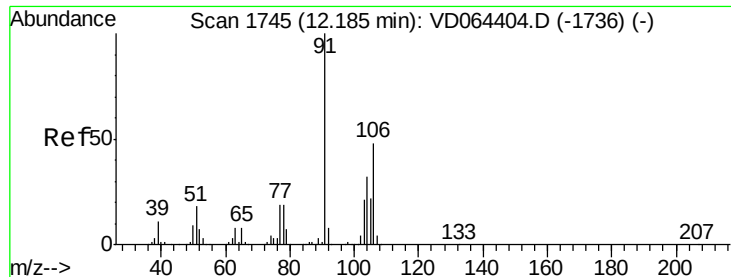
Tgt Ion: 106 Resp: 169602

Ion Ratio Lower Upper

106 100

91 197.0 157.4 236.2

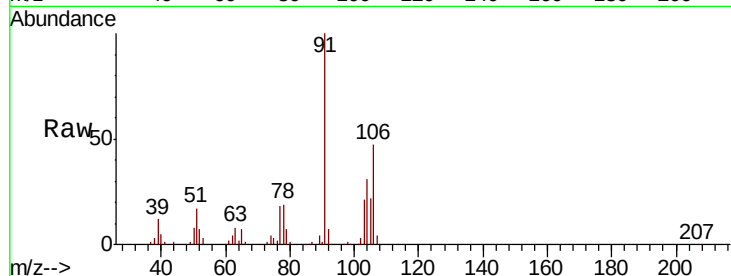




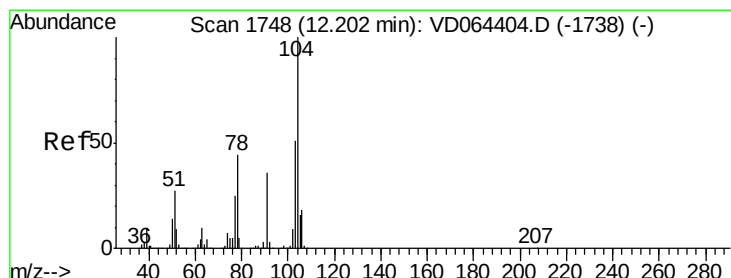
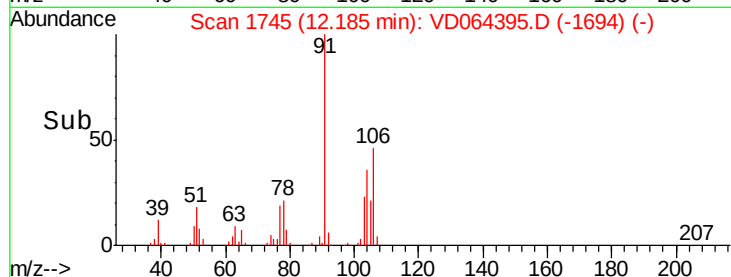
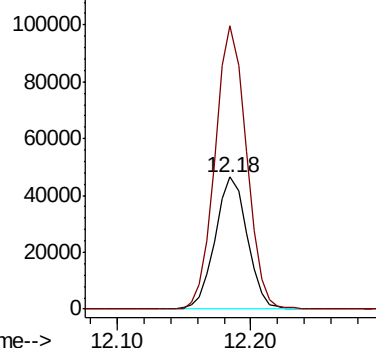
#69
o-Xylene
Concen: 9.886 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 77120
Ion Ratio Lower Upper
106 100
91 209.5 103.8 311.4

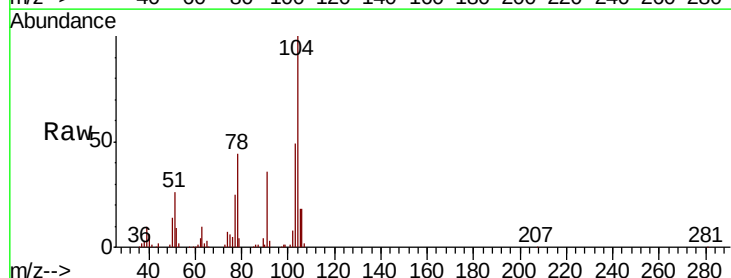


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

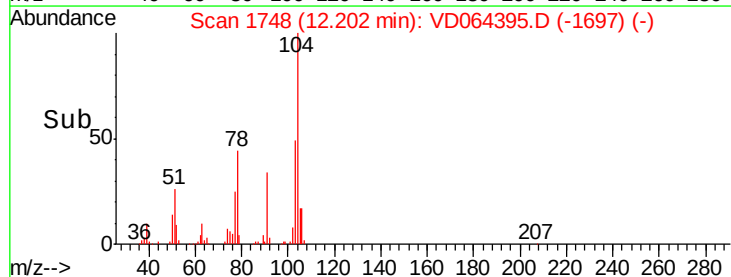
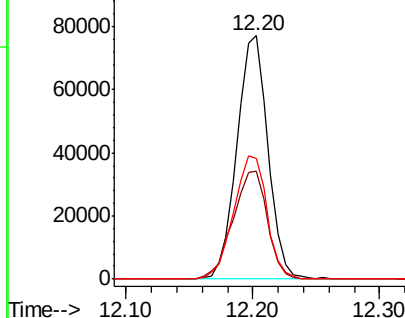


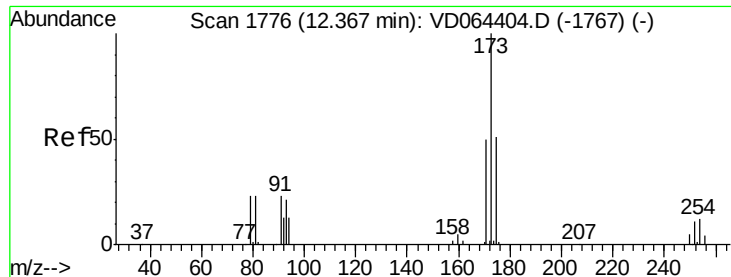
#70
Styrene
Concen: 9.642 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion:104 Resp: 130712
Ion Ratio Lower Upper
104 100
78 49.1 38.8 58.2
103 54.3 44.2 66.4



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

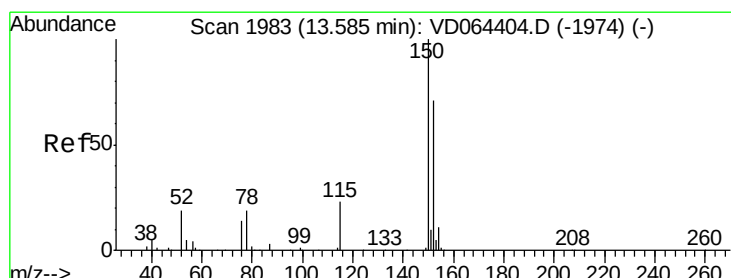
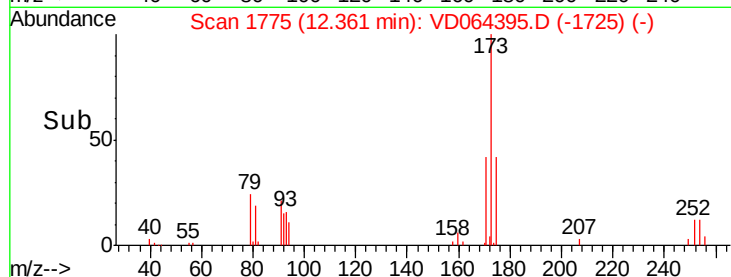
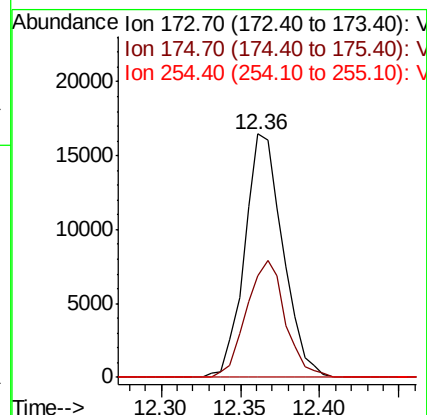
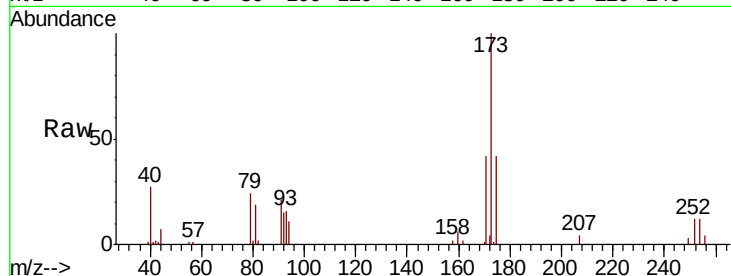




#71
Bromoform
Concen: 9.982 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

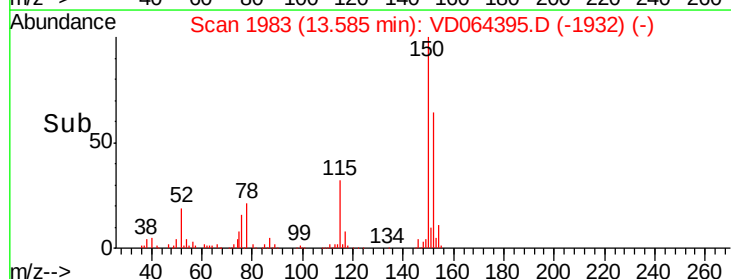
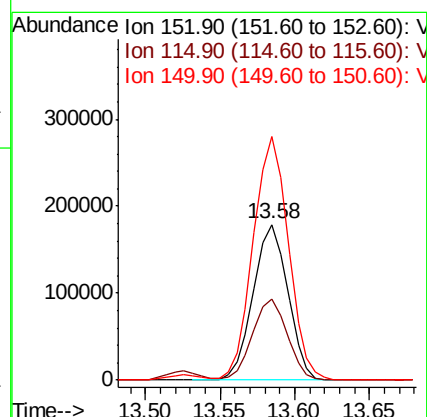
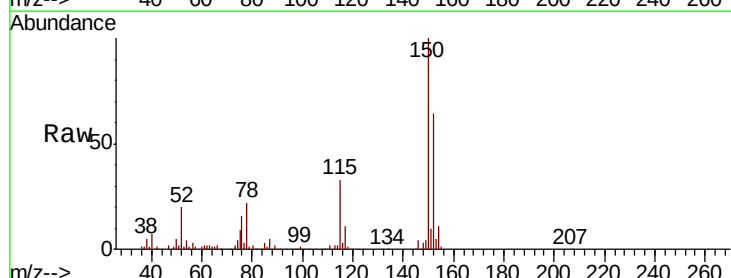
Instrument :
MSVOA_D
ClientSampleId :

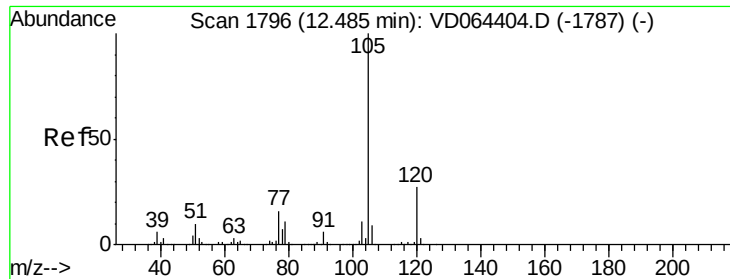
Tot Ion:173 Resp: 27526
Ion Ratio Lower Upper
173 100
175 48.7 25.3 75.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion:152 Resp: 288490
Ion Ratio Lower Upper
152 100
115 52.0 26.7 80.1
150 158.9 0.0 347.2





#73

Isopropylbenzene

Concen: 10.094 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

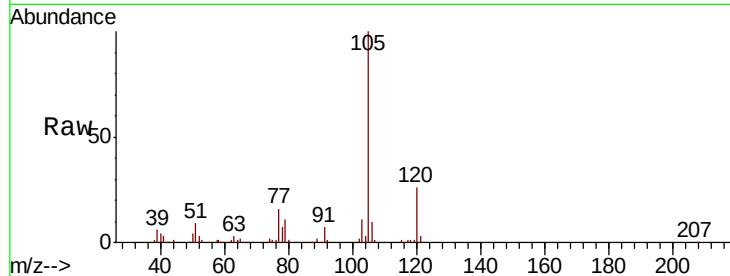
ClientSampled :

Tot Ion:105 Resp: 209430

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

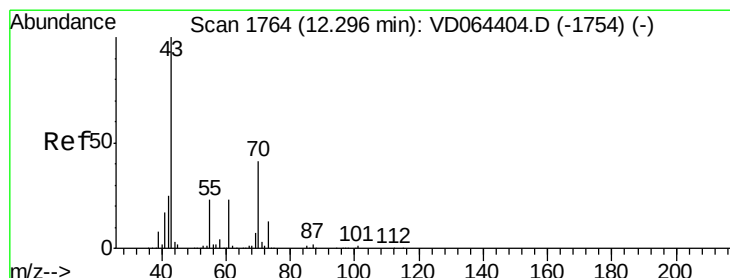
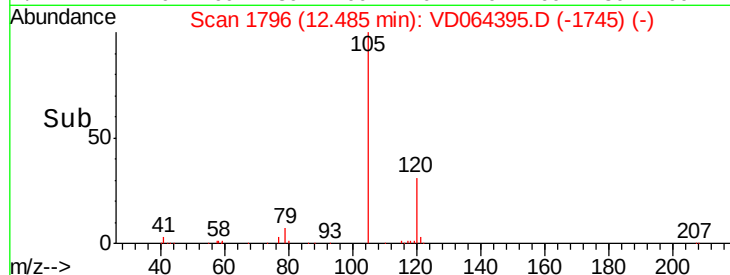
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 10.070 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Tgt Ion: 43 Resp: 47423

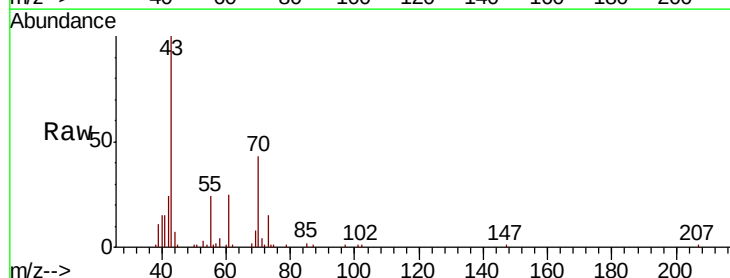
Ion Ratio Lower Upper

43 100

70 44.7 33.4 50.2

55 23.7 18.9 28.3

61 23.5 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

40000

30000

20000

10000

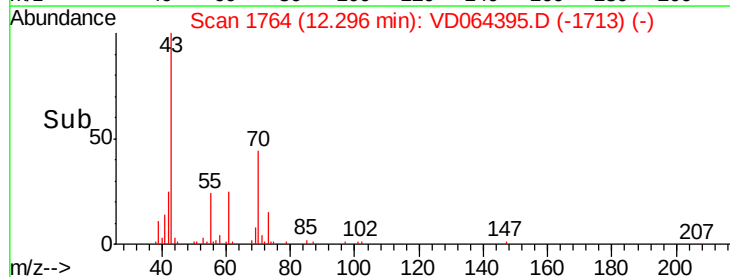
0

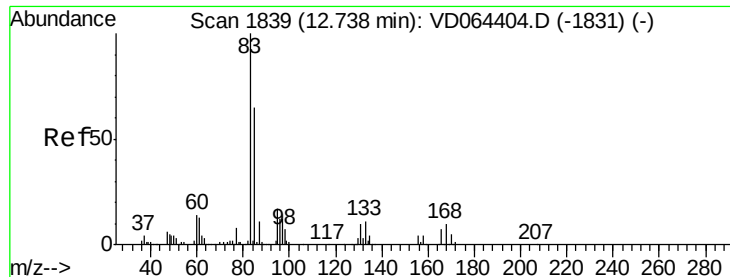
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.146 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampled :

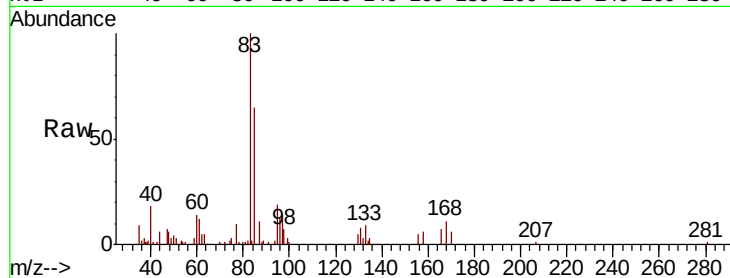
Tot Ion: 83 Resp: 34812

Ion Ratio Lower Upper

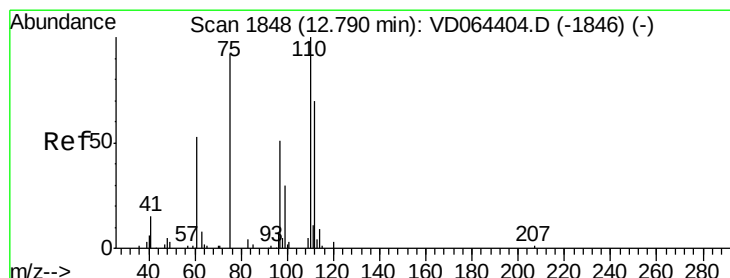
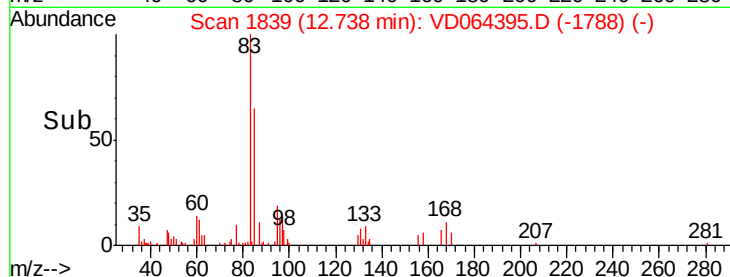
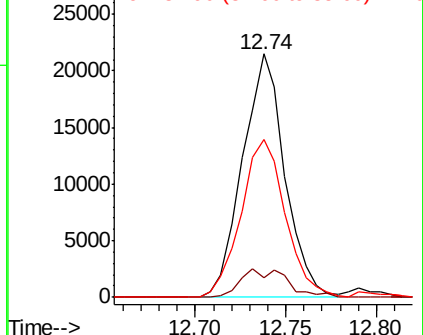
83 100

131 12.9 5.7 17.0

85 68.1 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: 19.780 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064395.D

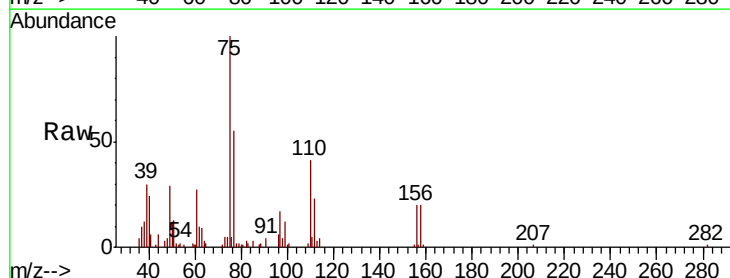
Acq: 27 Nov 2019 14:39

Tgt Ion: 75 Resp: 46928

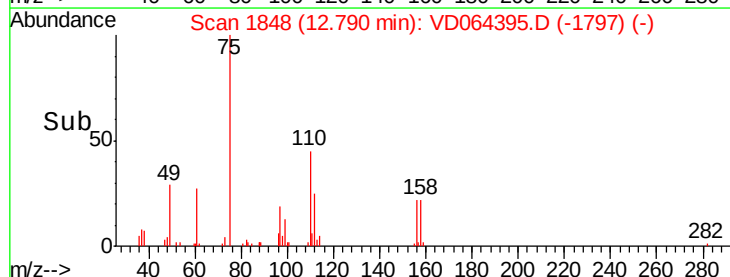
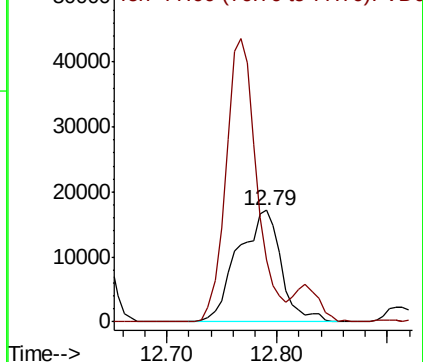
Ion Ratio Lower Upper

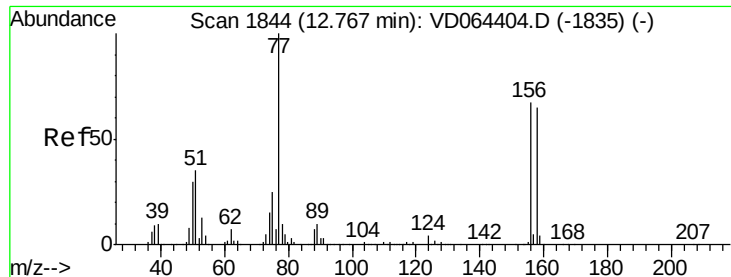
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 10.225 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampled :

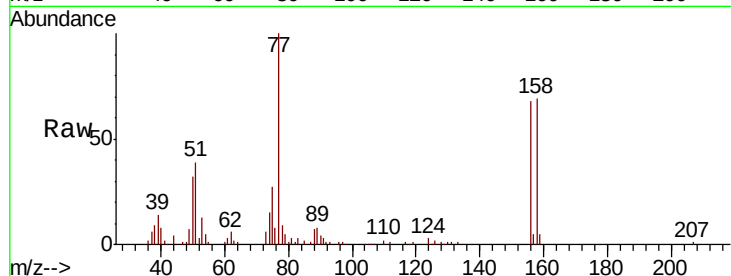
Tot Ion:156 Resp: 52391

Ion Ratio Lower Upper

156 100

77 163.0 80.0 240.2

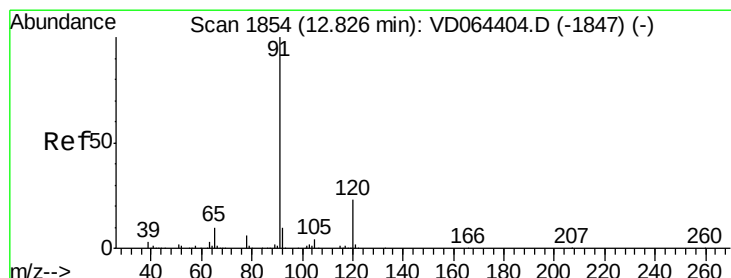
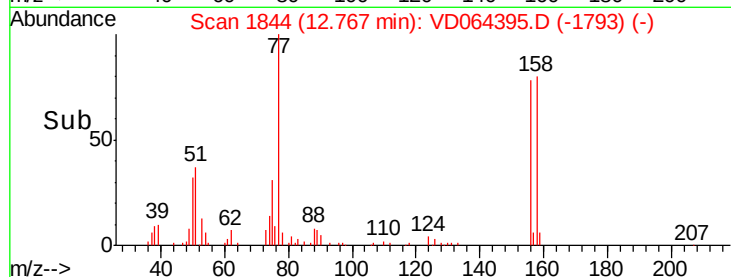
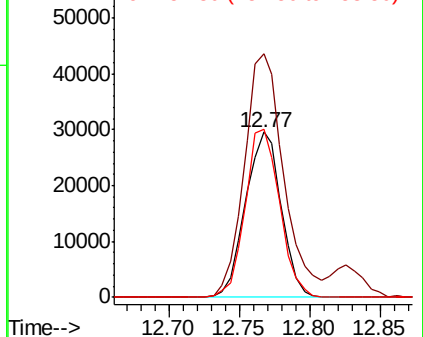
158 98.5 48.9 146.6



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: 10.191 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064395.D

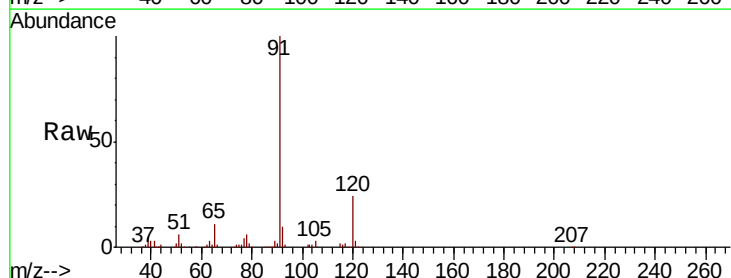
Acq: 27 Nov 2019 14:39

Tgt Ion: 91 Resp: 243961

Ion Ratio Lower Upper

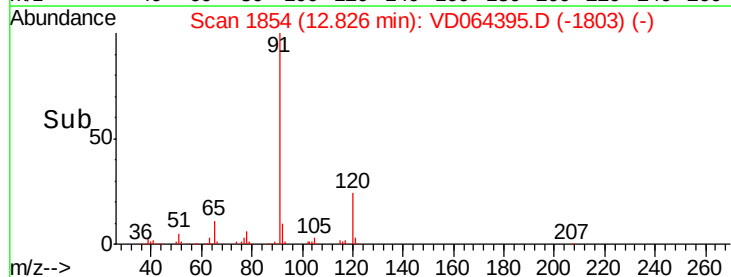
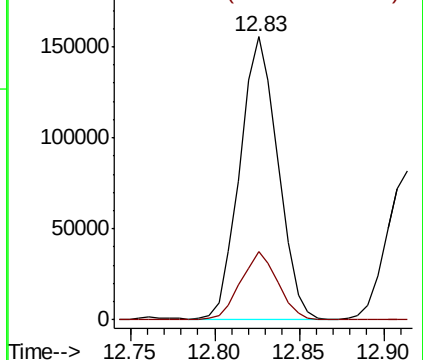
91 100

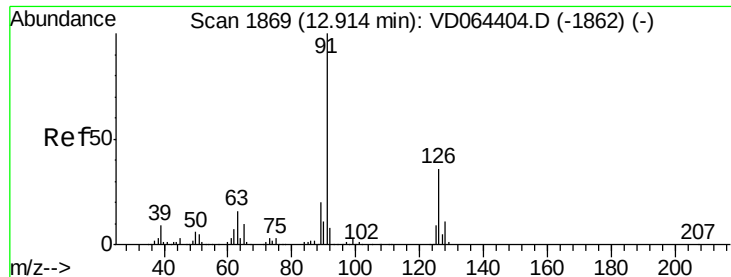
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

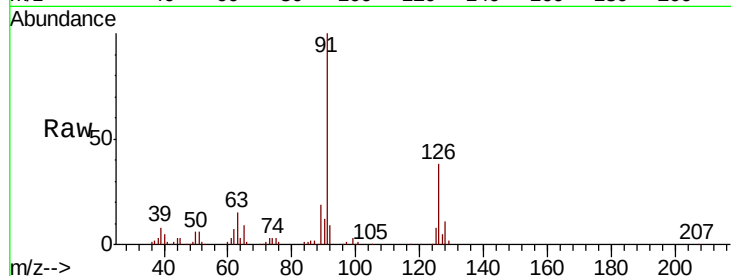




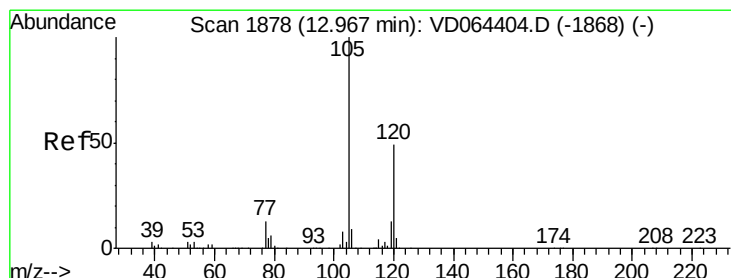
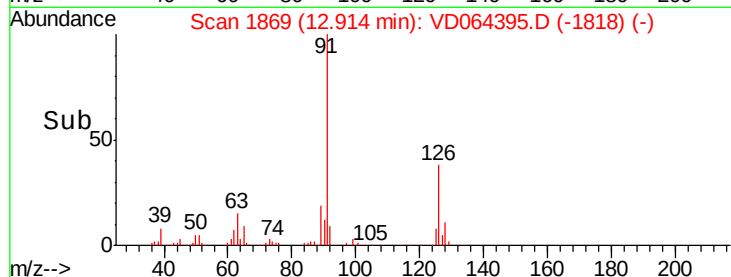
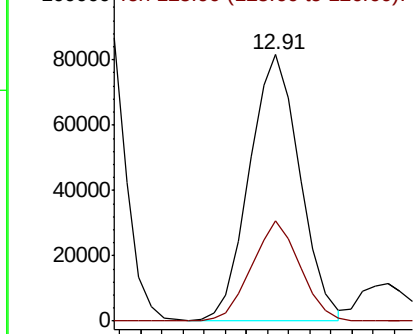
#79
2-Chlorotoluene
Concen: 10.263 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 135193
Ion Ratio Lower Upper
91 100
126 36.2 18.0 54.0

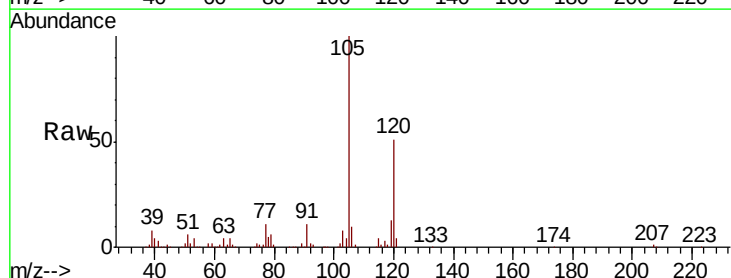


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

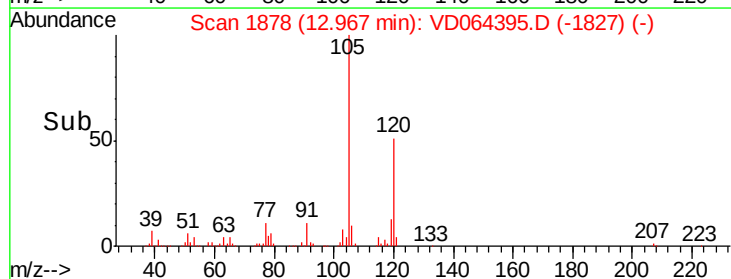
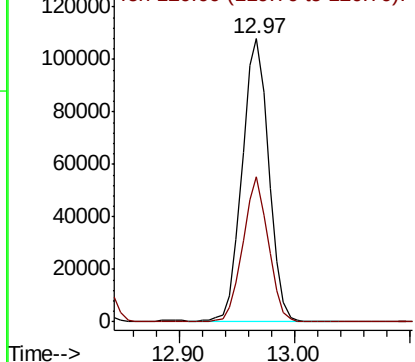


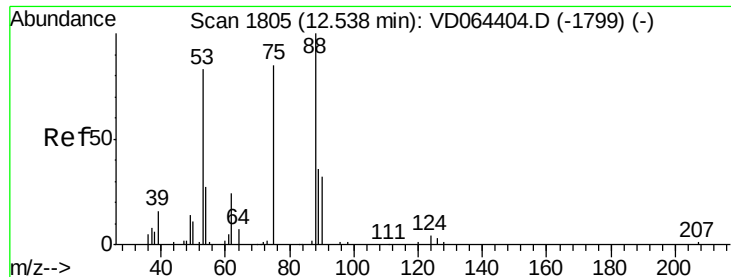
#80
1,3,5-Trimethylbenzene
Concen: 10.197 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion:105 Resp: 172889
Ion Ratio Lower Upper
105 100
120 48.7 25.1 75.3



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





#81

trans-1,4-Dichloro-2-butene

Concen: 10.793 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

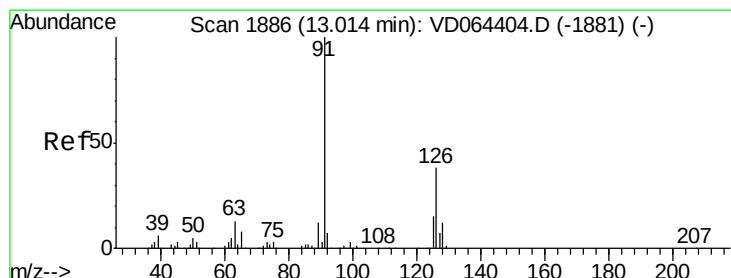
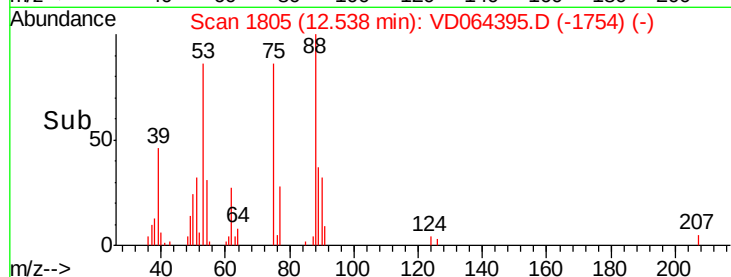
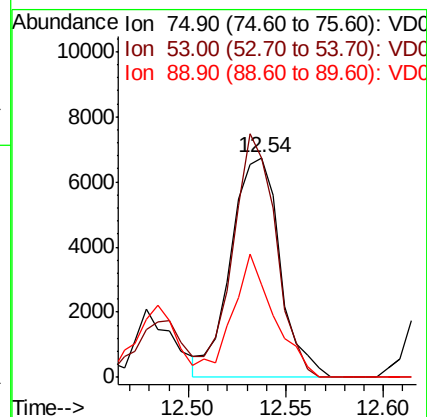
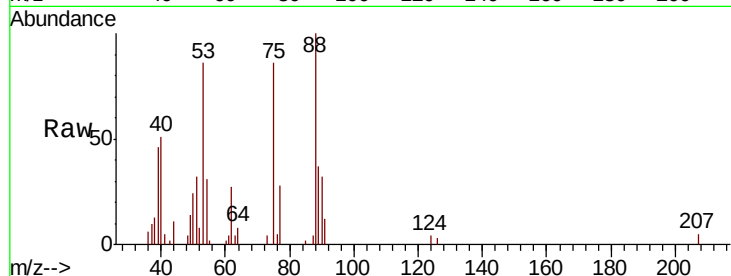
Tot Ion: 75 Resp: 11743

Ion Ratio Lower Upper

75 100

53 96.1 81.0 121.6

89 48.4 38.5 57.7



#82

4-Chlorotoluene

Concen: 10.125 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064395.D

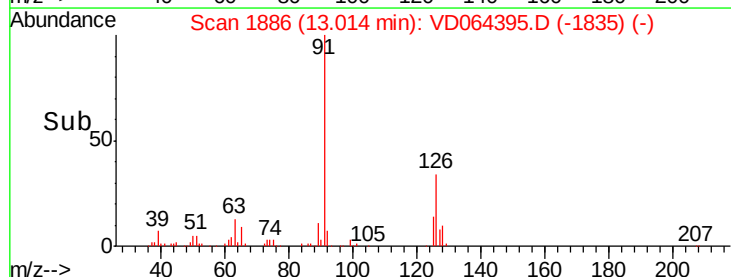
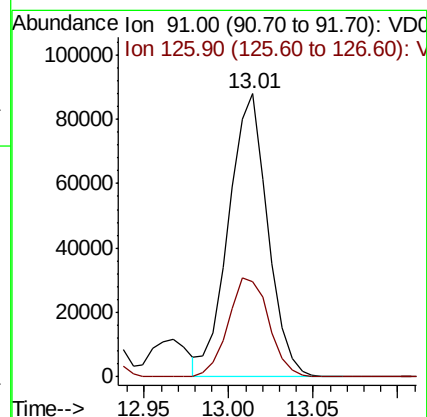
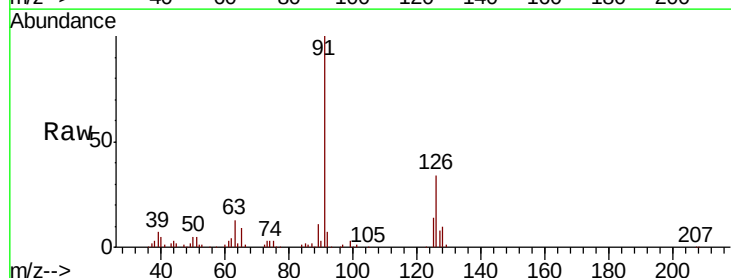
Acq: 27 Nov 2019 14:39

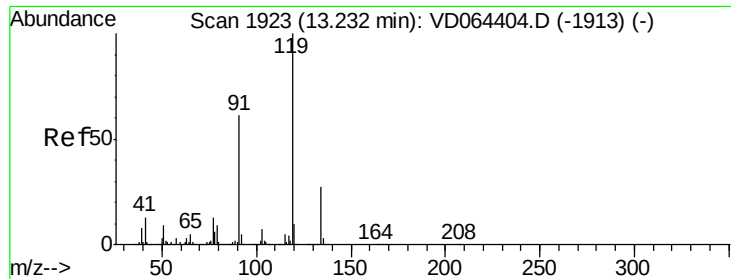
Tgt Ion: 91 Resp: 141221

Ion Ratio Lower Upper

91 100

126 36.5 18.2 54.6

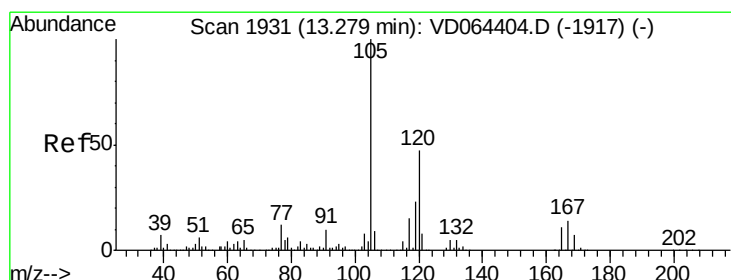
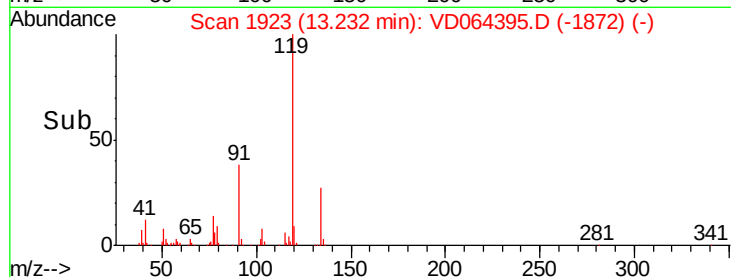
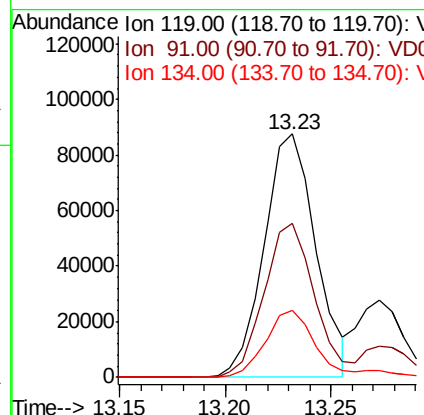
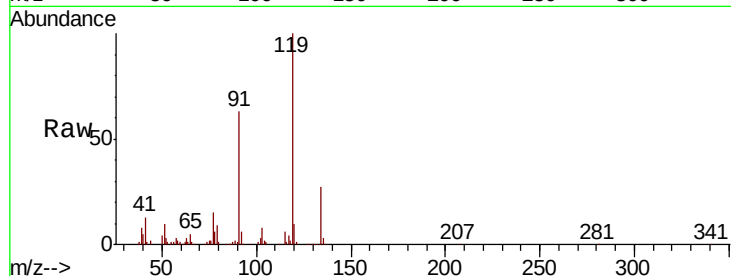




#83
 tert-Butylbenzene
 Concen: 10.136 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

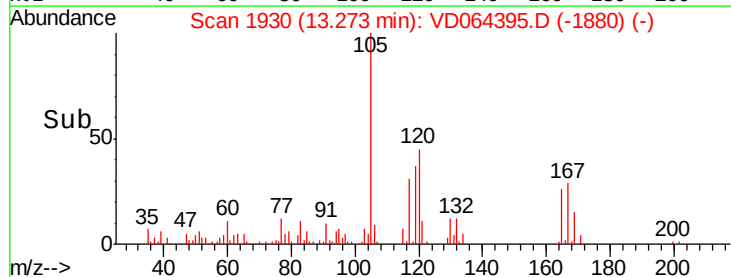
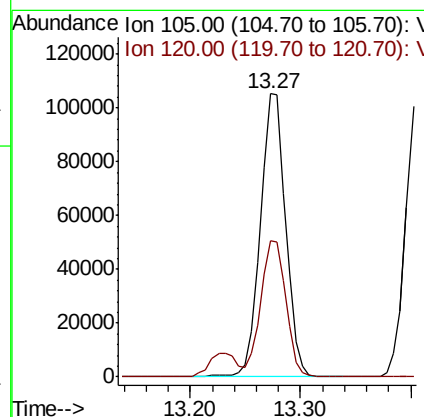
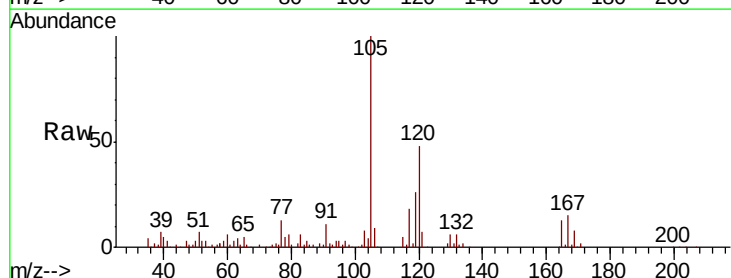
Instrument :
 MSVOA_D
 ClientSampled :

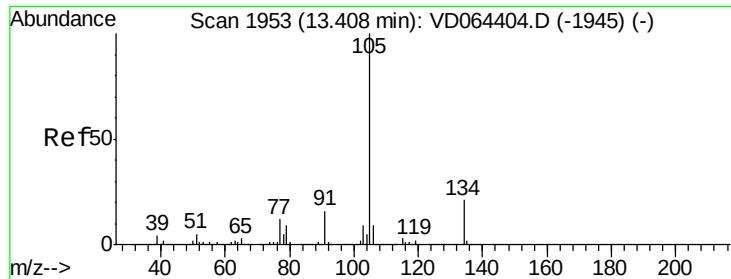
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.2	93.6
134	26.0	13.9	41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 9.965 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8





#85

sec-Butylbenzene

Concen: 10.162 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Instrument :

MSVOA_D

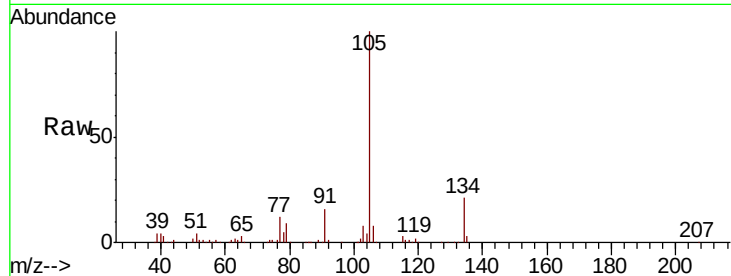
ClientSampled :

Tot Ion:105 Resp: 205597

Ion Ratio Lower Upper

105 100

134 20.7 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

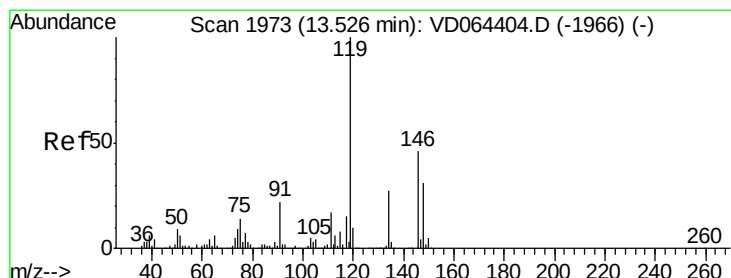
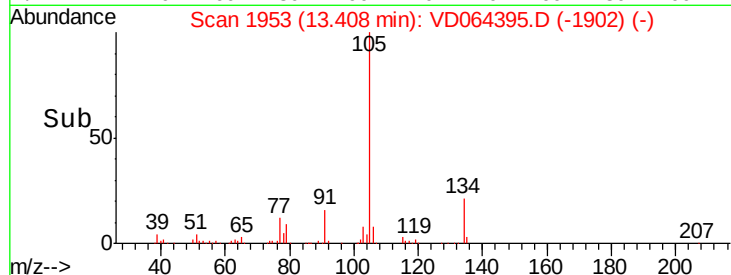
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 9.917 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

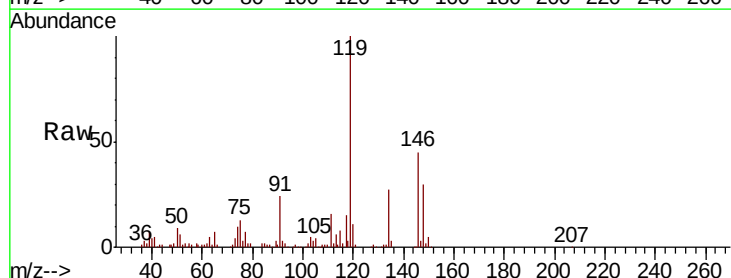
Tgt Ion:119 Resp: 189419

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

91 23.1 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

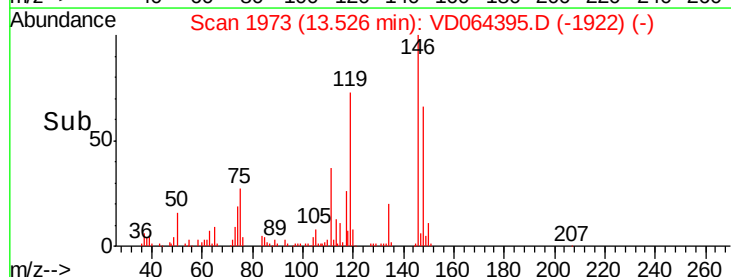
150000

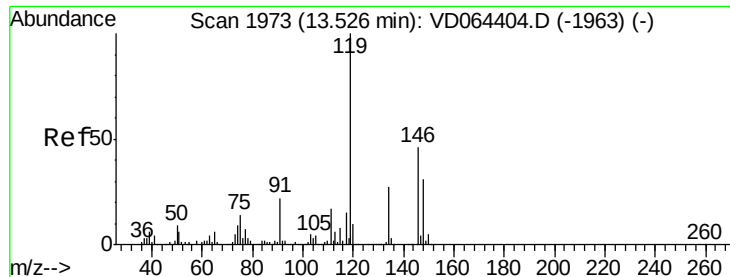
100000

50000

0

Time-->

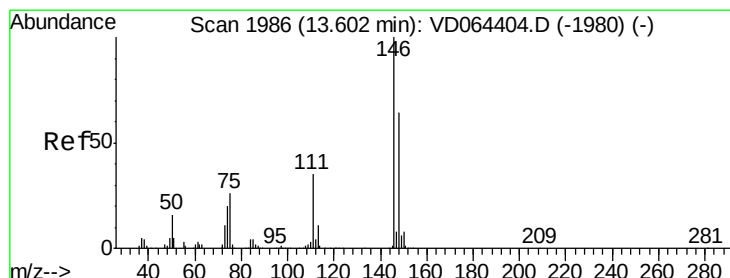
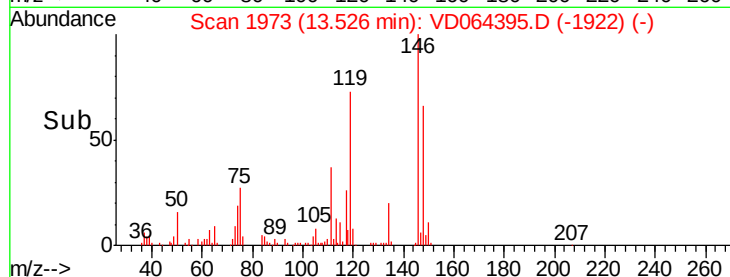
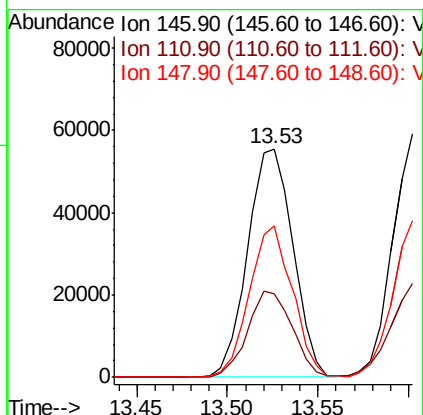
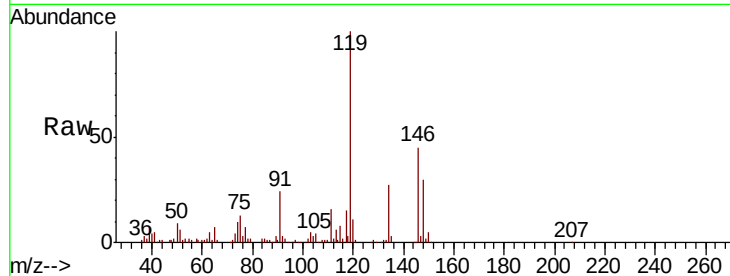




#87
 1,3-Dichlorobenzene
 Concen: 9.953 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

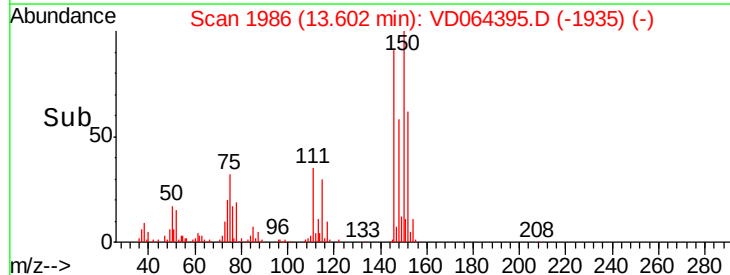
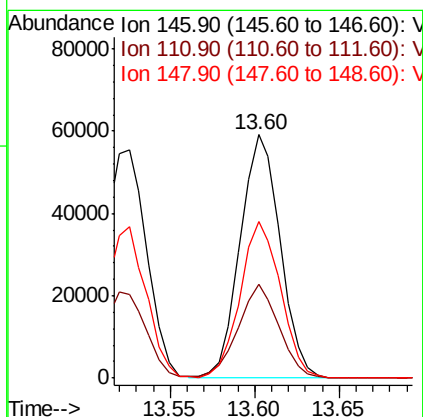
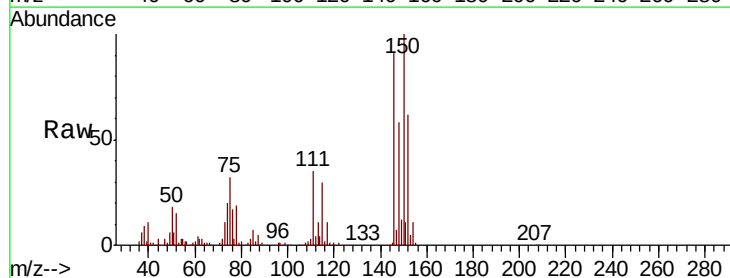
Instrument :
 MSVOA_D
 ClientSampleId :

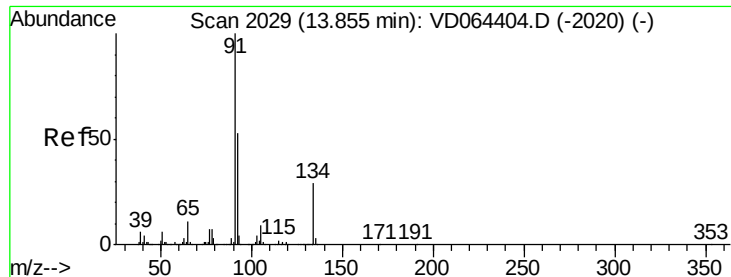
Tot Ion:146 Resp: 96791
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 62.9 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 10.160 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion:146 Resp: 97547
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.2 54.6
 148 65.0 31.8 95.4

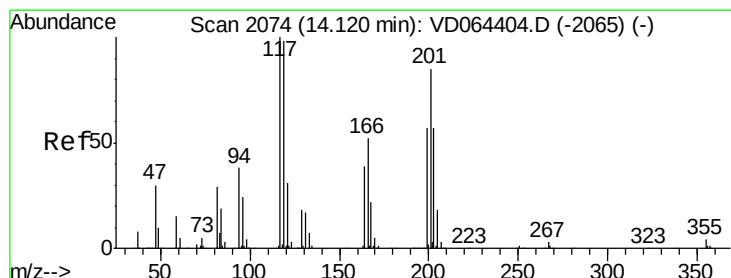
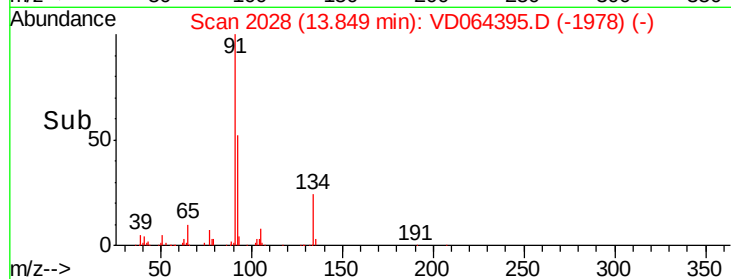
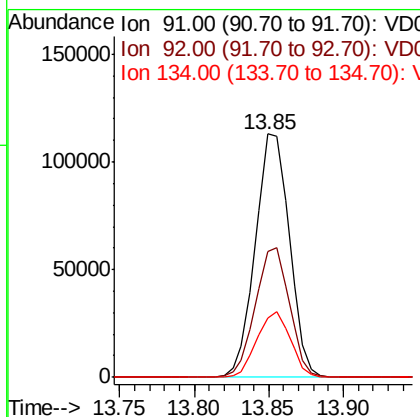
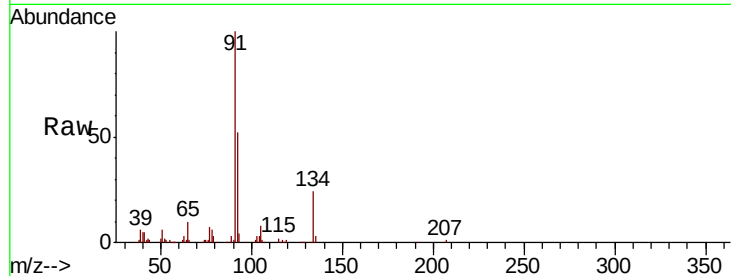




#89
n-Butylbenzene
Concen: 10.304 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

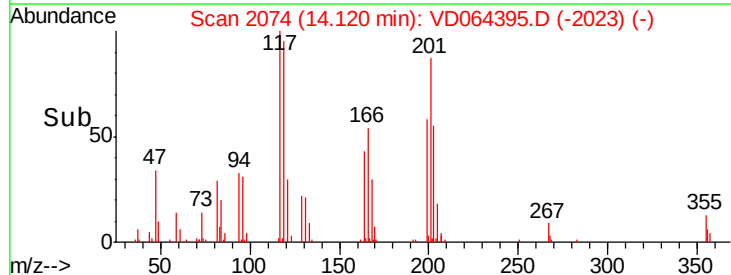
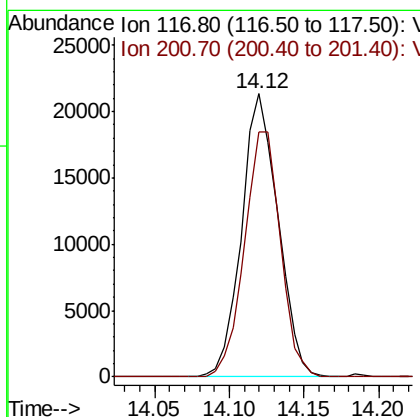
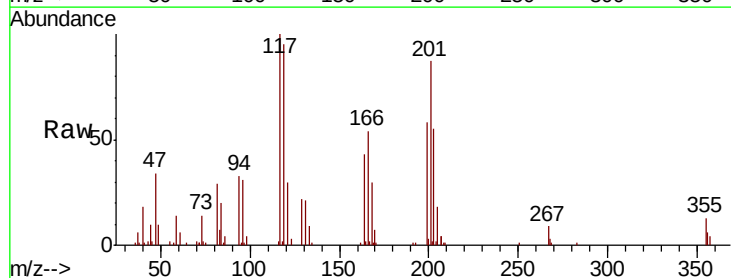
Instrument :
MSVOA_D
ClientSampleId :

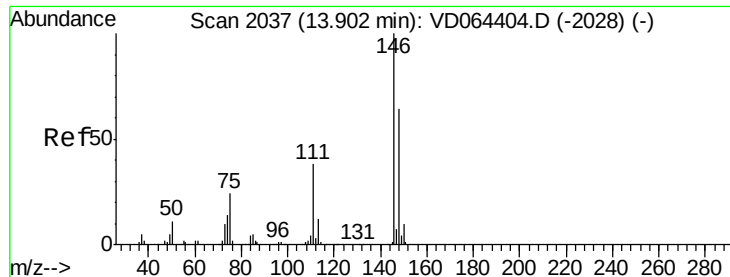
Tot Ion: 91 Resp: 178723
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.4
134 26.3 13.9 41.7



#90
Hexachloroethane
Concen: 10.085 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064395.D
Acq: 27 Nov 2019 14:39

Tgt Ion: 117 Resp: 36030
Ion Ratio Lower Upper
117 100
201 85.3 44.3 132.8

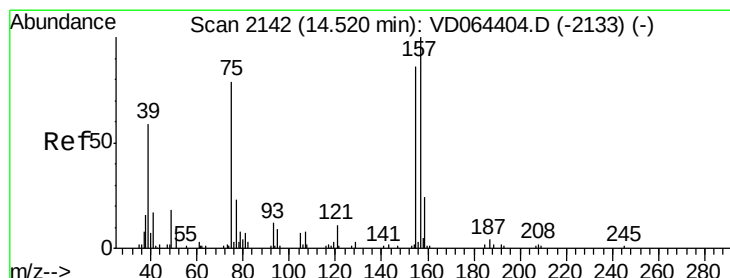
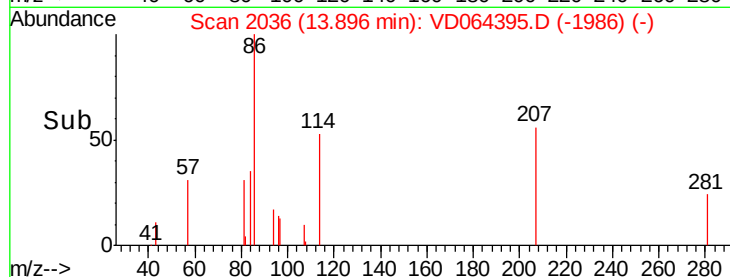
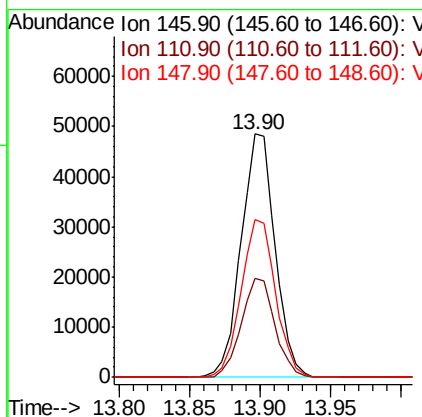
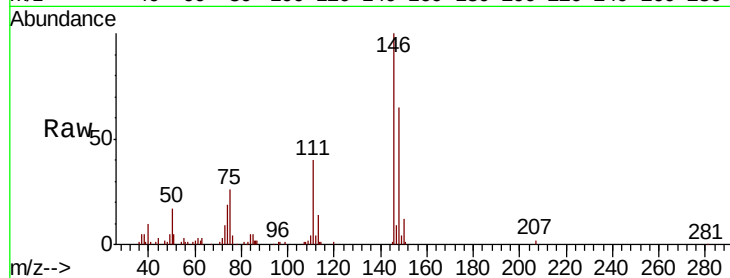




#91
 1,2-Dichlorobenzene
 Concen: 9.853 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

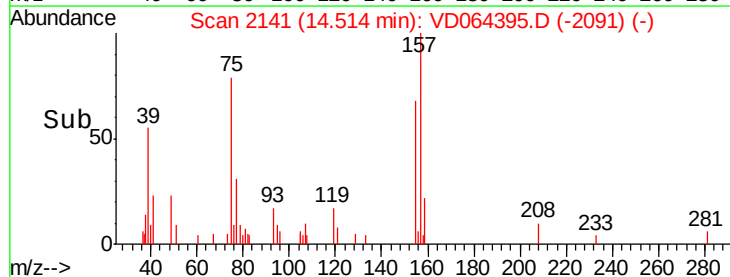
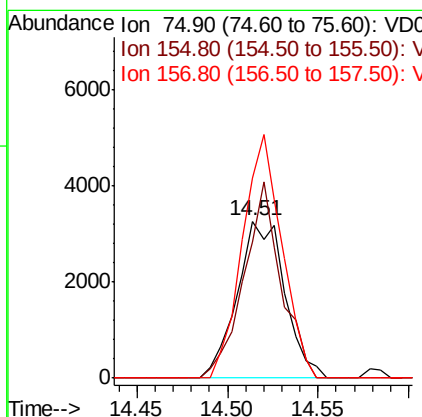
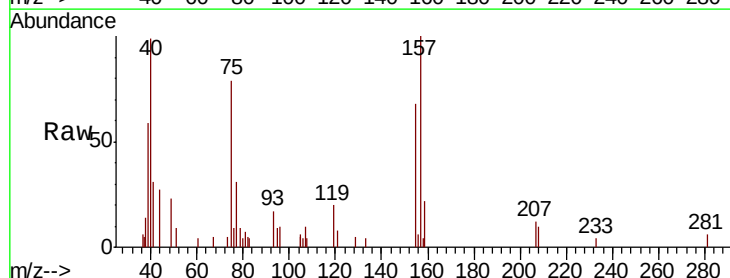
Instrument :
 MSVOA_D
 ClientSampleId :

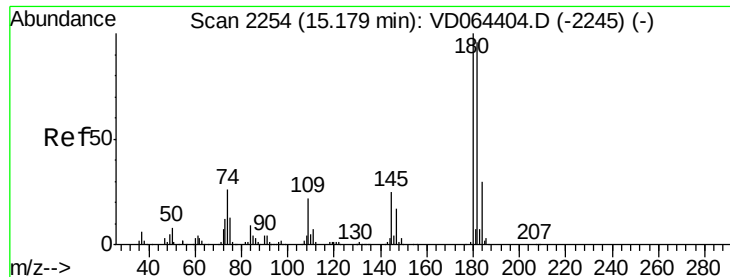
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.1	57.3
148	65.6	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.890 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	51.9	155.7
157	128.9	63.2	189.8

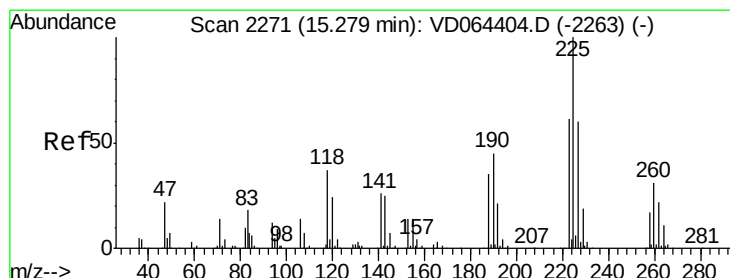
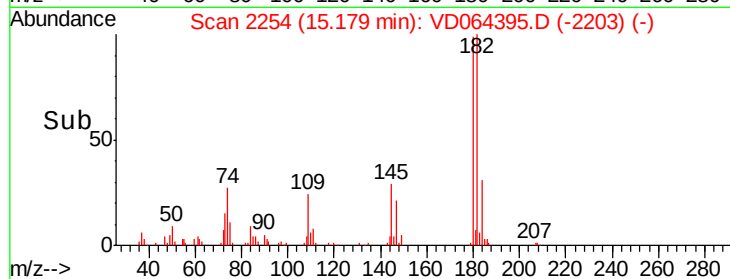
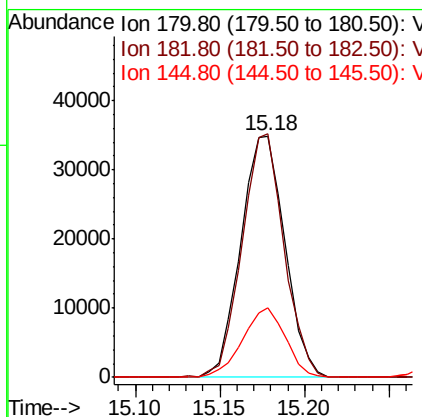
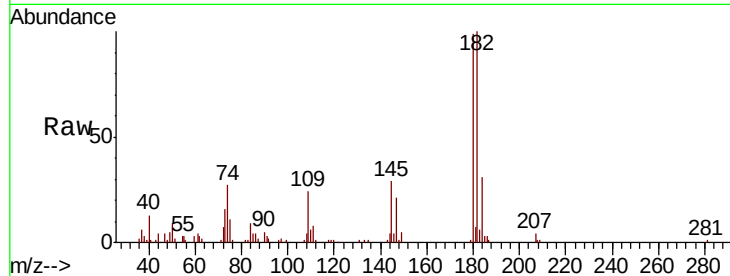




#93
 1,2,4-Trichlorobenzene
 Concen: 9.924 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

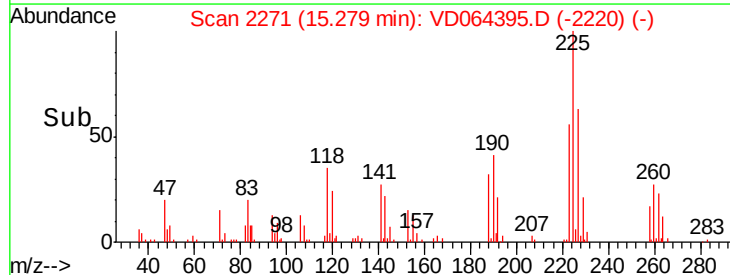
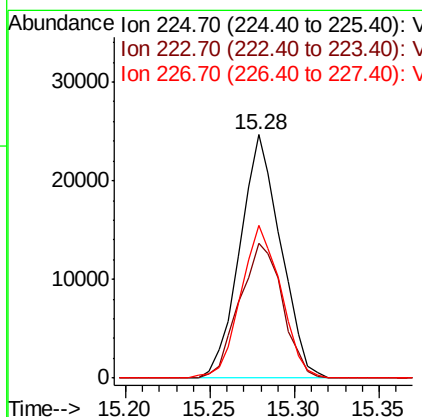
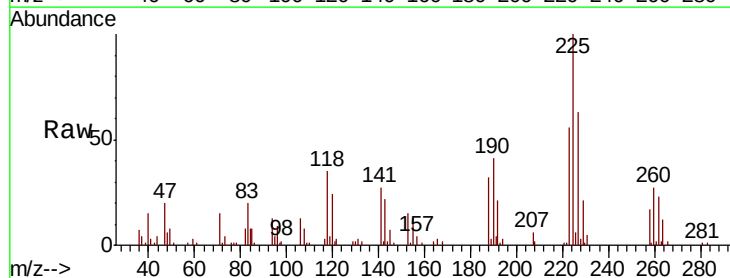
Instrument :
 MSVOA_D
 ClientSampleId :

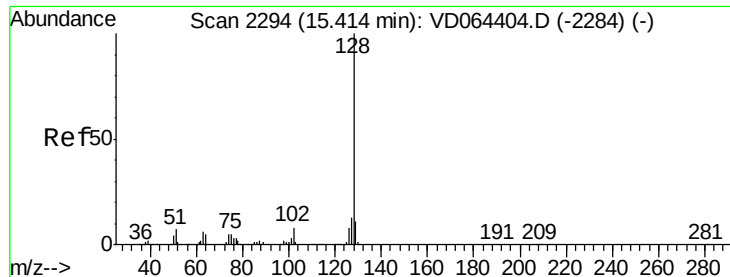
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	28.0	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 10.544 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064395.D
 Acq: 27 Nov 2019 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	31.1	93.3
227	61.9	31.8	95.4





#95

Naphthalene

Concen: 10.107 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

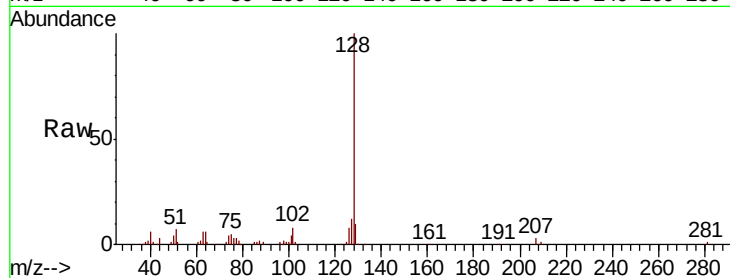
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 107359

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.8	13.2

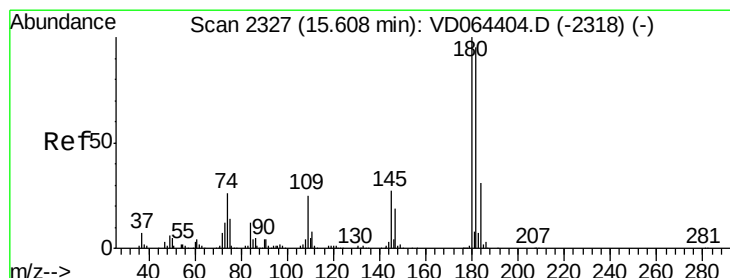
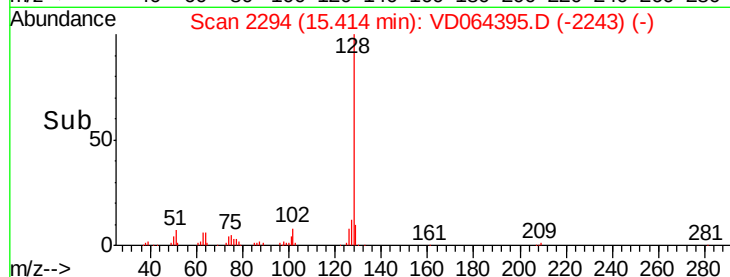
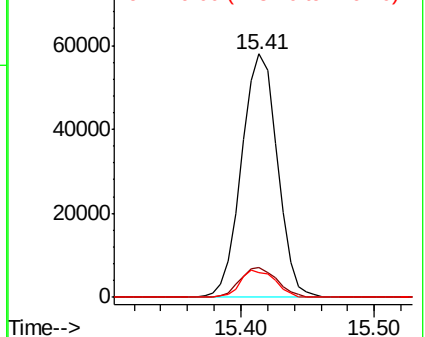


Abundance

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: 10.166 ug/l

RT: 15.61 min Scan# 2327

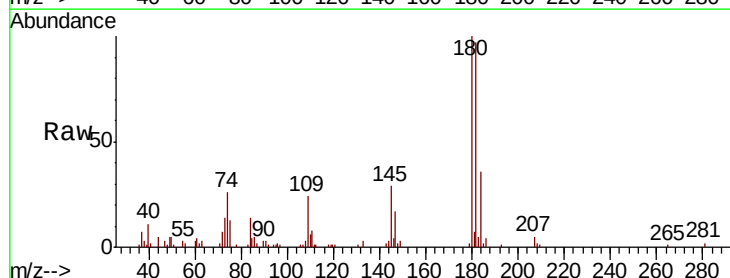
Delta R.T. 0.00 min

Lab File: VD064395.D

Acq: 27 Nov 2019 14:39

Tgt Ion:180 Resp: 55232

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.6	142.9
145	30.5	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

