

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055364.D
 Acq On : 2 May 2019 22:12
 Operator : JC/SP
 Sample : VN0502MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

Quant Time: May 03 05:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	378919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	632638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261337	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
35) Dibromofluoromethane	7.59	113	199155	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.09	98	732583	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	237544	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94245	20.300	ug/l	97
3) Chloromethane	2.06	50	105838	18.411	ug/l	100
4) Vinyl Chloride	2.19	62	93823	20.247	ug/l	98
5) Bromomethane	2.57	94	51835	21.118	ug/l	98
6) Chloroethane	2.71	64	51361	20.460	ug/l	97
7) Trichlorofluoromethane	3.02	101	132901	20.169	ug/l	98
8) Diethyl Ether	3.41	74	51917	22.520	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78879	20.103	ug/l	99
10) Methyl Iodide	3.96	142	106011	19.198	ug/l	99
11) Tert butyl alcohol	4.80	59	34174	120.412	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	74991	20.035	ug/l	96
13) Acrolein	3.62	56	14993	67.644	ug/l	97
14) Allyl chloride	4.33	41	155831	20.101	ug/l	99
15) Acrylonitrile	5.00	53	178783	112.071	ug/l	98
16) Acetone	3.82	43	134847	87.304	ug/l	98
17) Carbon Disulfide	4.06	76	174494	17.863	ug/l	99
18) Methyl Acetate	4.33	43	91448	23.761	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	237813	22.600	ug/l	98
20) Methylene Chloride	4.55	84	91645	19.439	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	79538	20.064	ug/l	97
22) Diisopropyl ether	5.96	45	338659	21.986	ug/l	97
23) Vinyl Acetate	5.90	43	1129519	111.887	ug/l	100
24) 1,1-Dichloroethane	5.85	63	173206	21.105	ug/l	99
25) 2-Butanone	6.84	43	209418	106.018	ug/l	99
26) 2,2-Dichloropropane	6.83	77	92676	16.353	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	92322	20.479	ug/l	99
28) Bromochloromethane	7.19	49	87097	21.054	ug/l	100
29) Tetrahydrofuran	7.21	42	145163	114.767	ug/l	99
30) Chloroform	7.37	83	159845	20.546	ug/l	97
31) Cyclohexane	7.66	56	151387	19.415	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	131031	20.752	ug/l	100
36) 1,1-Dichloropropene	7.80	75	112110	18.501	ug/l	100
37) Ethyl Acetate	6.94	43	102264	22.020	ug/l	99
38) Carbon Tetrachloride	7.78	117	108074	18.489	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	123288	19.136	ug/l	97
40) Benzene	8.04	78	351852	19.697	ug/l	99
41) Methacrylonitrile	7.21	41	147706	58.635	ug/l #	23
42) 1,2-Dichloroethane	8.13	62	125678	19.864	ug/l	99
43) Isopropyl Acetate	8.17	43	171088	22.923	ug/l #	86
44) Trichloroethene	8.84	130	88769	19.493	ug/l	98
45) 1,2-Dichloropropane	9.12	63	102520	19.898	ug/l	96
46) Dibromomethane	9.21	93	55946	19.866	ug/l	99
47) Bromodichloromethane	9.40	83	119408	19.764	ug/l	98
48) Methyl methacrylate	9.20	41	78003	21.259	ug/l	98
49) 1,4-Dioxane	9.20	88	16114	424.848	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	463316	110.258	ug/l	99
52) Toluene	10.16	92	205521	20.052	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	102484	19.540	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	129015	19.730	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	78366	20.590	ug/l	96
56) Ethyl methacrylate	10.43	69	100551	21.464	ug/l	98
57) 1,3-Dichloropropane	10.71	76	137280	20.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	118079	89.591	ug/l	97
59) 2-Hexanone	10.75	43	291598	110.908	ug/l	98
60) Dibromochloromethane	10.90	129	78117	20.082	ug/l	98
61) 1,2-Dibromoethane	11.01	107	72557	20.625	ug/l	99
64) Tetrachloroethene	10.63	164	88593	20.631	ug/l	98
65) Chlorobenzene	11.44	112	205256	19.993	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	79480	19.771	ug/l	99
67) Ethyl Benzene	11.51	91	375161	20.237	ug/l	99
68) m/p-Xylenes	11.62	106	272206	41.135	ug/l	98
69) o-Xylene	11.95	106	135693	20.688	ug/l	99
70) Styrene	11.96	104	214600	21.310	ug/l	100
71) Bromoform	12.13	173	47165	21.144	ug/l #	98
73) Isopropylbenzene	12.25	105	357568	21.220	ug/l	99
74) N-amyl acetate	12.07	43	110399	22.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94639	22.757	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110662	29.491	ug/l #	100
77) Bromobenzene	12.53	156	83440	21.153	ug/l	98
78) n-propylbenzene	12.59	91	383583	19.145	ug/l	99
79) 2-Chlorotoluene	12.67	91	242554	21.425	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	300479	19.651	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18813	18.279	ug/l	89
82) 4-Chlorotoluene	12.77	91	227832	19.558	ug/l	98
83) tert-Butylbenzene	12.99	119	258977	22.317	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	287945	21.056	ug/l	100
85) sec-Butylbenzene	13.17	105	319330	19.214	ug/l	98
86) p-Isopropyltoluene	13.29	119	272086	19.918	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131024	20.075	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	123103	20.029	ug/l	98
89) n-Butylbenzene	13.62	91	192058	19.786	ug/l	98
90) Hexachloroethane	13.87	117	43578	19.177	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	134945	20.861	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13396	26.106	ug/l	92

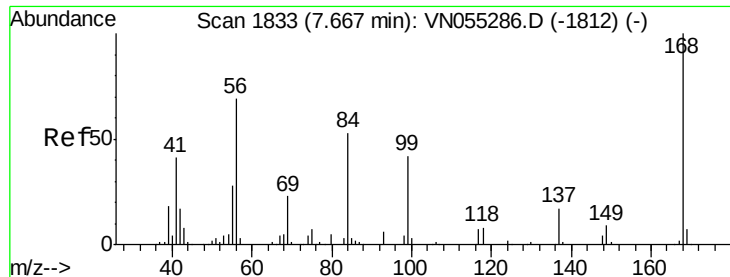
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38525	17.417	ug/l	99
94) Hexachlorobutadiene	15.01	225	45805	21.962	ug/l	97
95) Naphthalene	15.13	128	88464	18.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45521	19.791	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

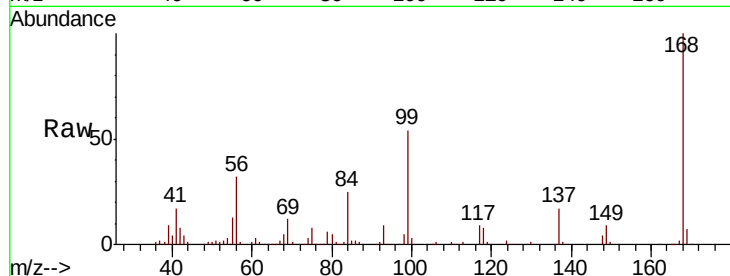
VN0502MBS02

Tot Ion:168 Resp: 378919

Ion Ratio Lower Upper

168 100

99 52.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

150000

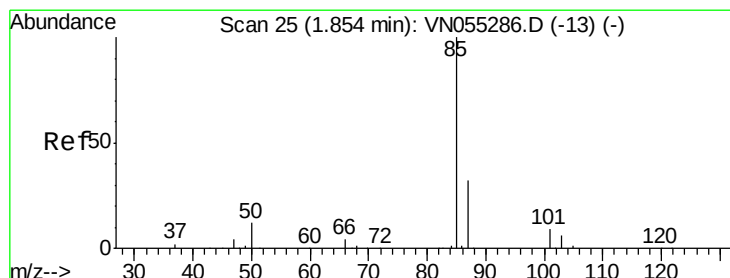
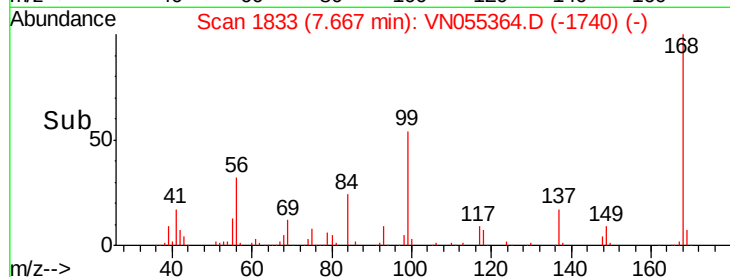
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.300 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055364.D

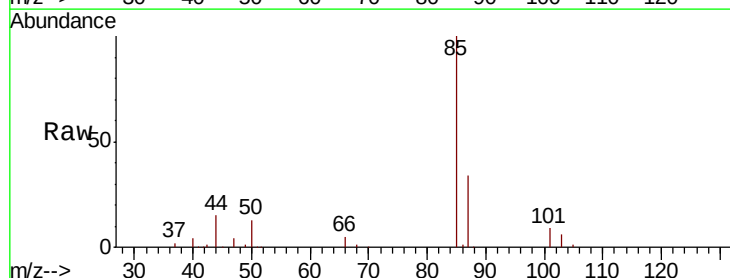
Acq: 2 May 2019 22:12

Tgt Ion: 85 Resp: 94245

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

1.85

60000

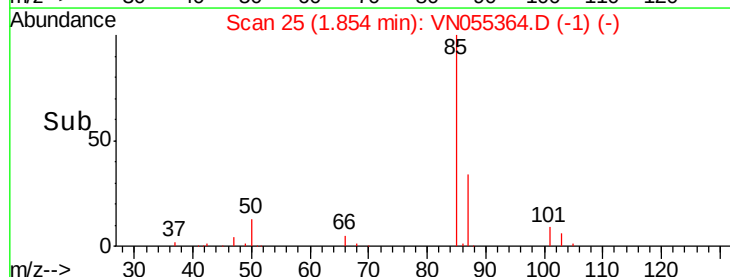
40000

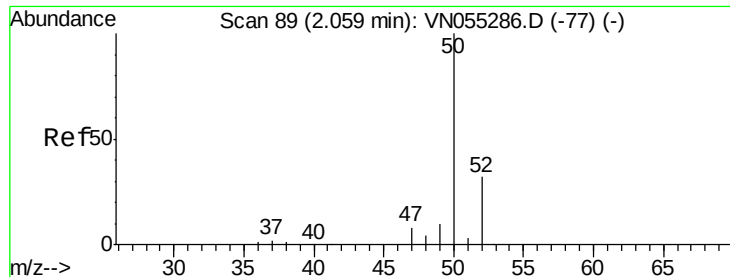
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.411 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

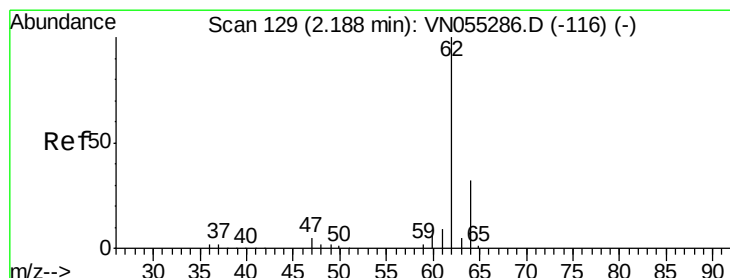
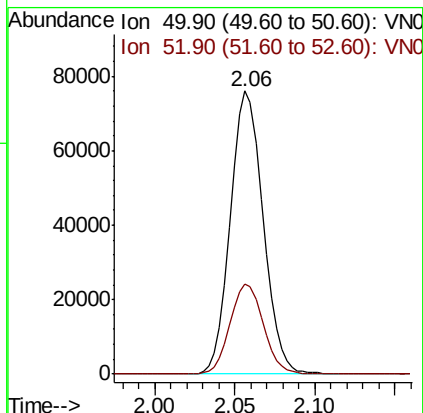
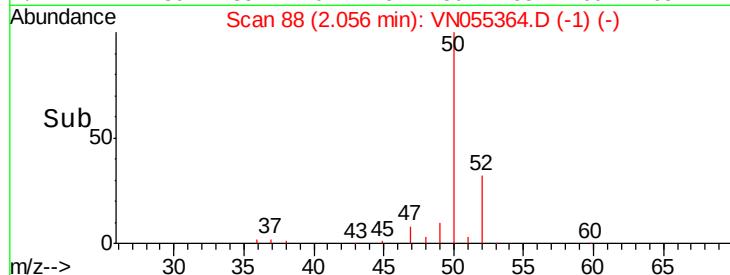
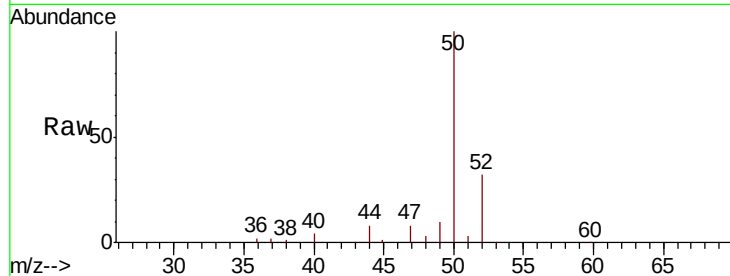
VN0502MBS02

Tot Ion: 50 Resp: 105838

Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5



#4

Vinyl Chloride

Concen: 20.247 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055364.D

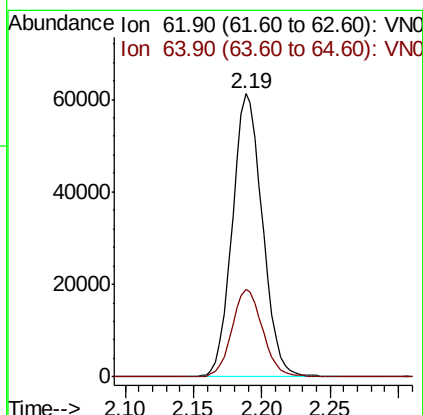
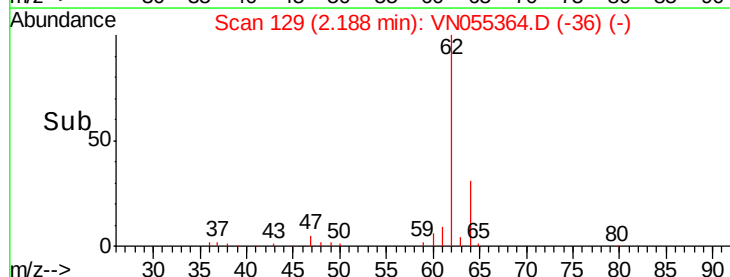
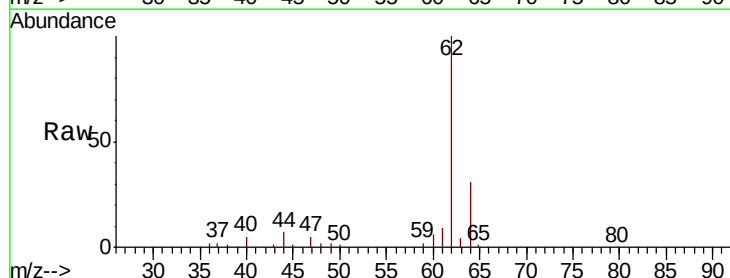
Acq: 2 May 2019 22:12

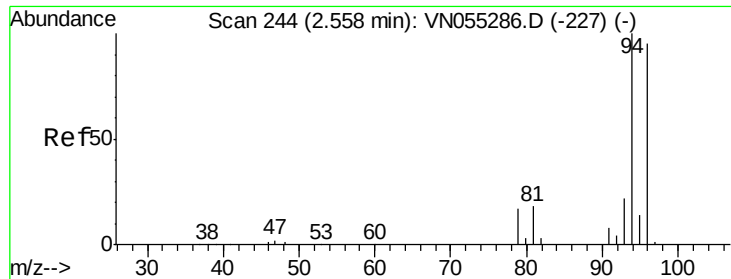
Tgt Ion: 62 Resp: 93823

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 21.118 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

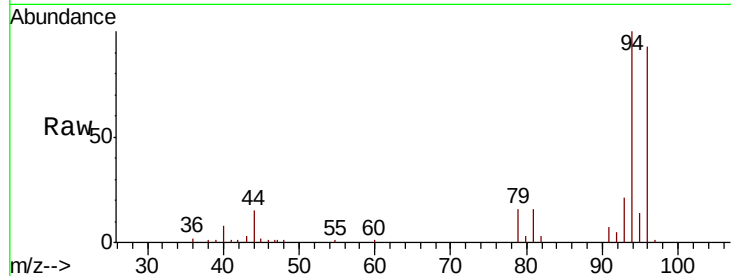
VN0502MBS02

Tot Ion: 94 Resp: 51835

Ion Ratio Lower Upper

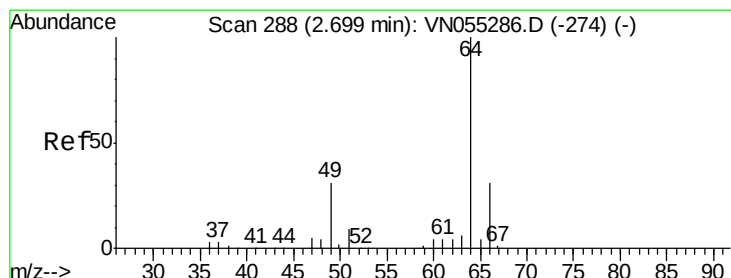
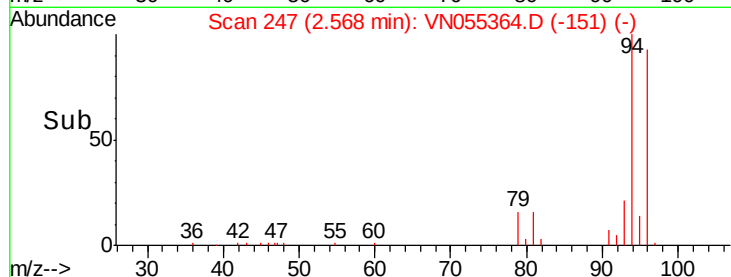
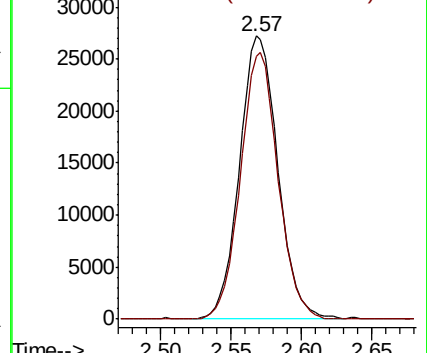
94 100

96 92.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.460 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055364.D

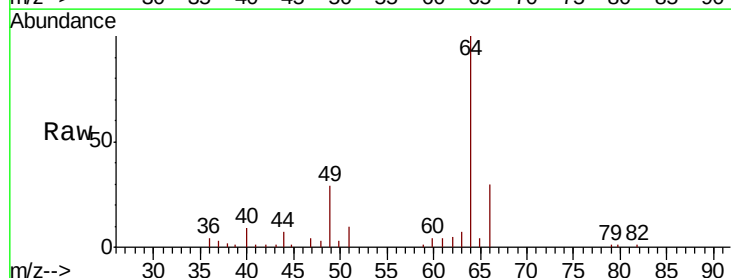
Acq: 2 May 2019 22:12

Tgt Ion: 64 Resp: 51361

Ion Ratio Lower Upper

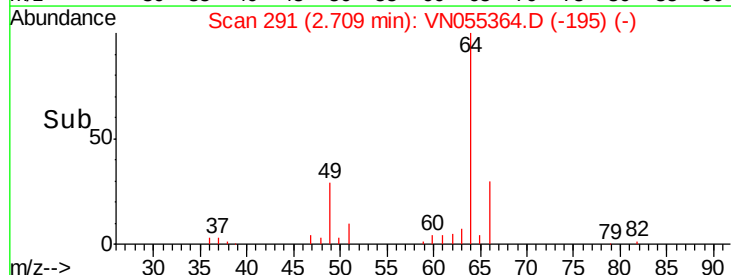
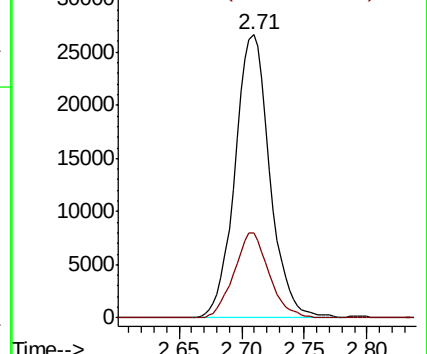
64 100

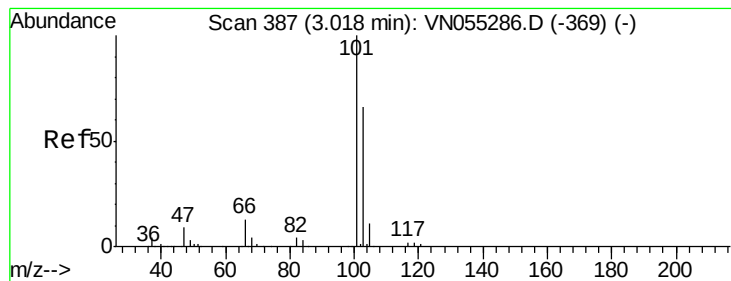
66 29.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



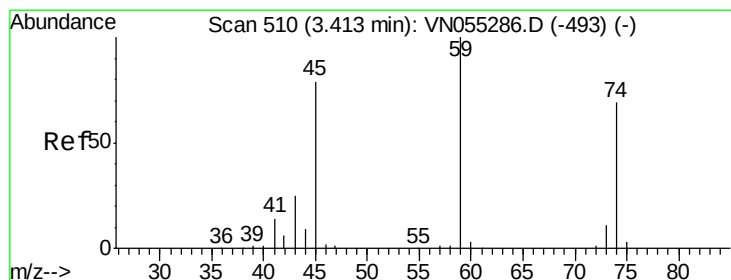
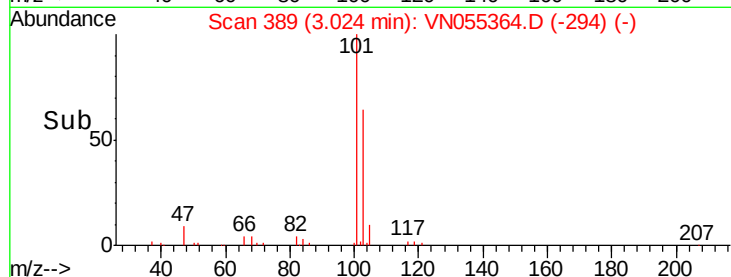
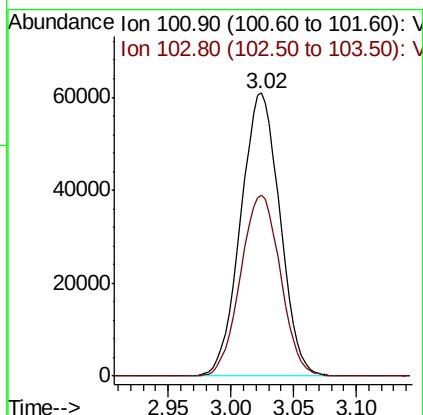
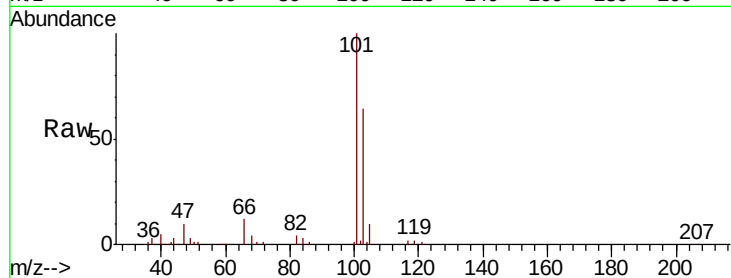


#7

Trichlorofluoromethane
 Concen: 20.169 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

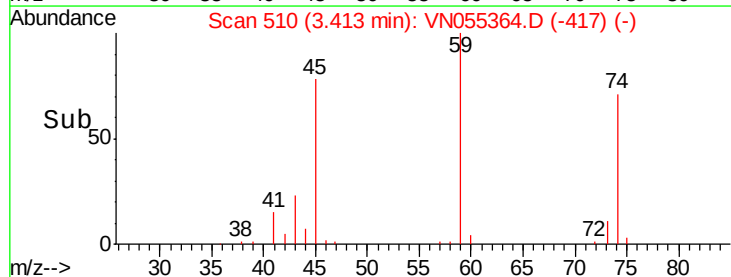
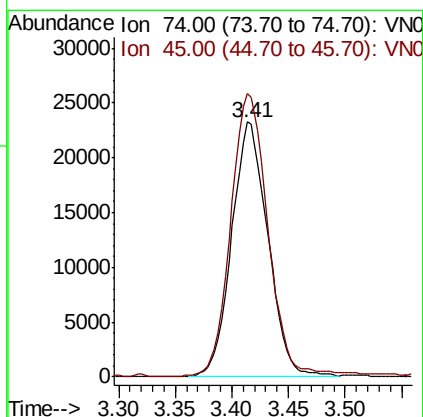
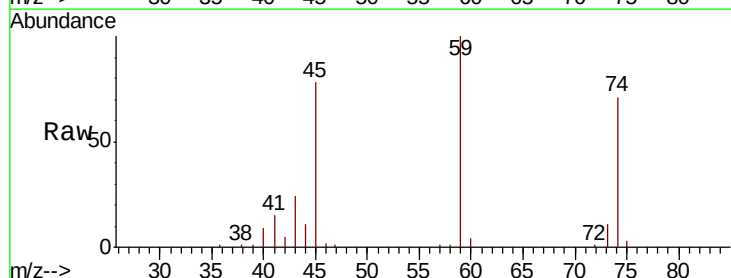
Tot Ion:101 Resp: 132901
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.6 79.0

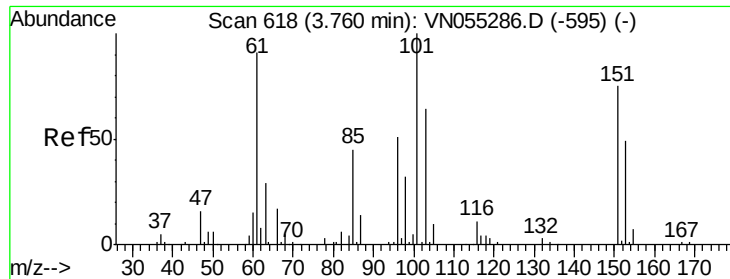


#8

Diethyl Ether
 Concen: 22.520 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 74 Resp: 51917
 Ion Ratio Lower Upper
 74 100
 45 113.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.103 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

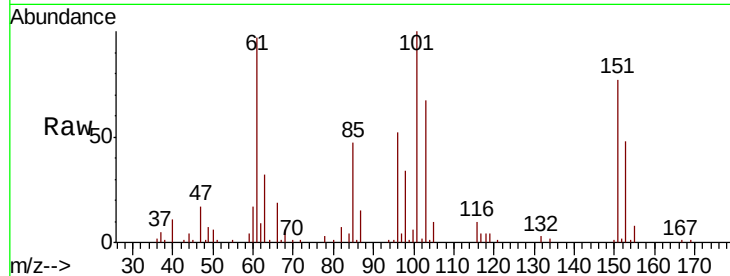
Tot Ion:101 Resp: 78879

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

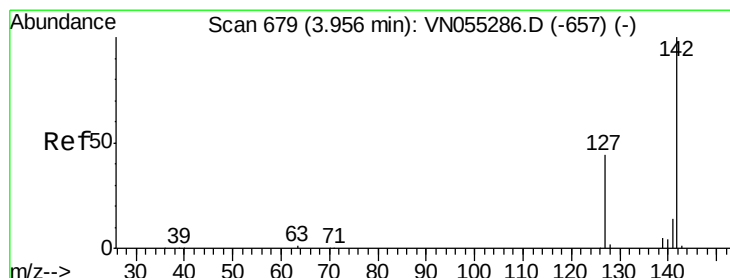
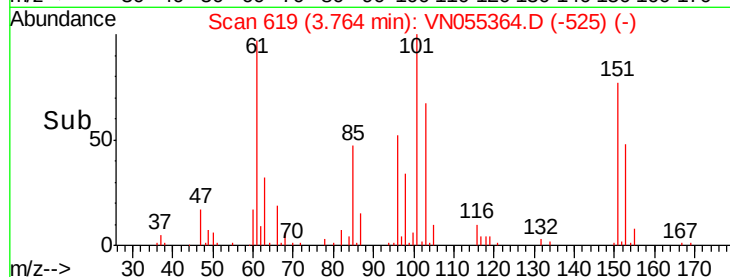
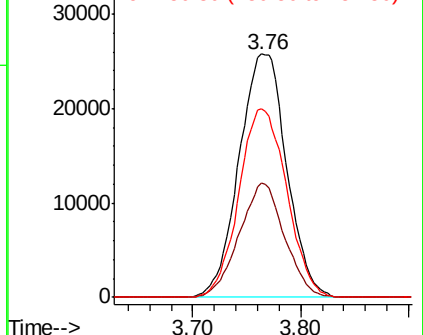
151 77.8 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.198 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

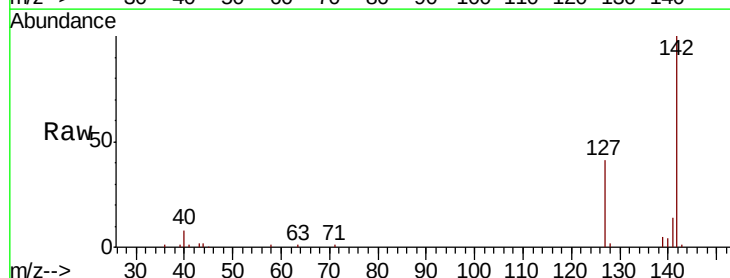
Tgt Ion:142 Resp: 106011

Ion Ratio Lower Upper

142 100

127 41.9 34.4 51.6

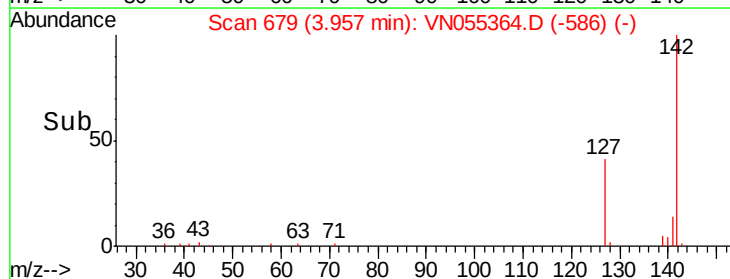
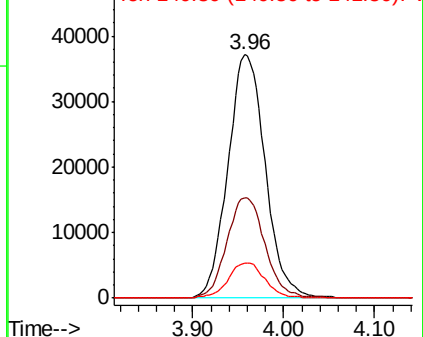
141 14.2 11.5 17.3

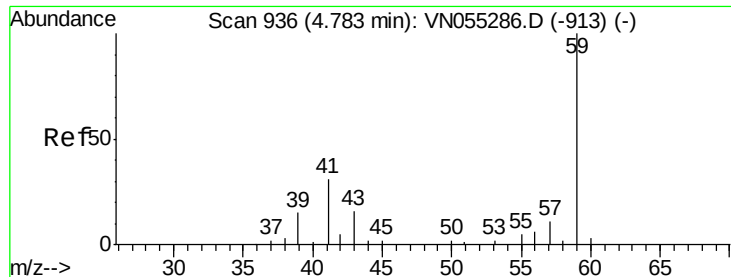


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



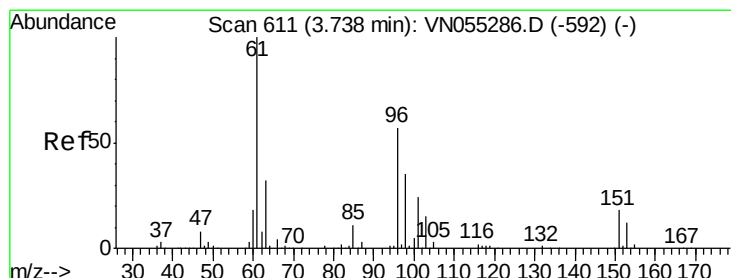
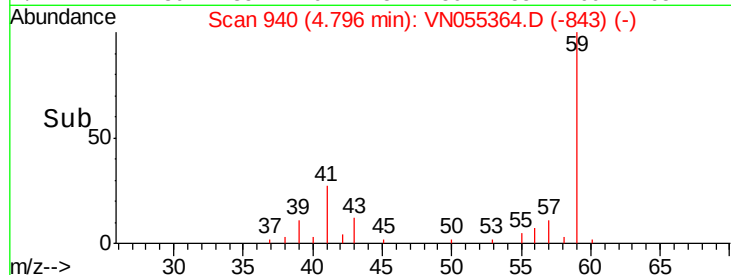
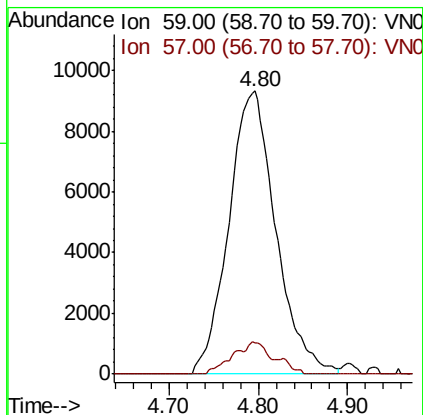
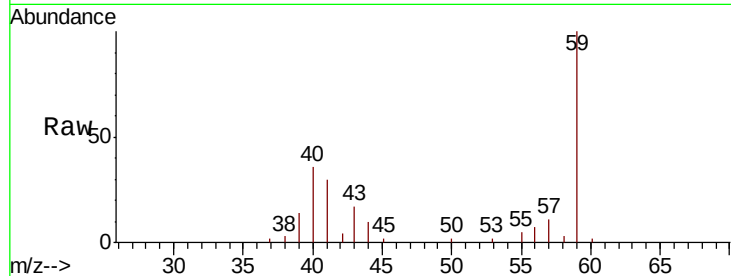


#11

Tert butyl alcohol
 Concen: 120.412 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

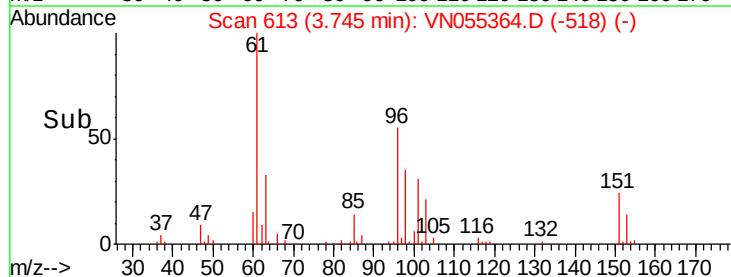
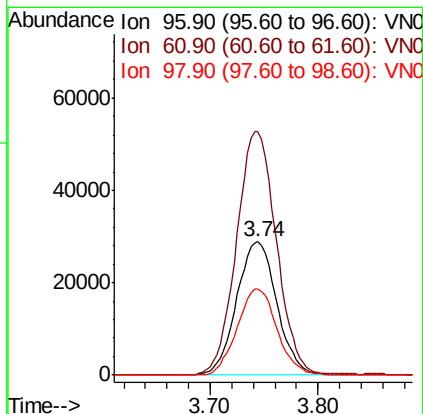
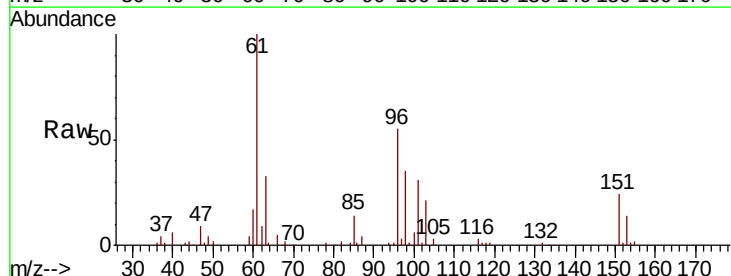
Tot Ion: 59 Resp: 34174
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

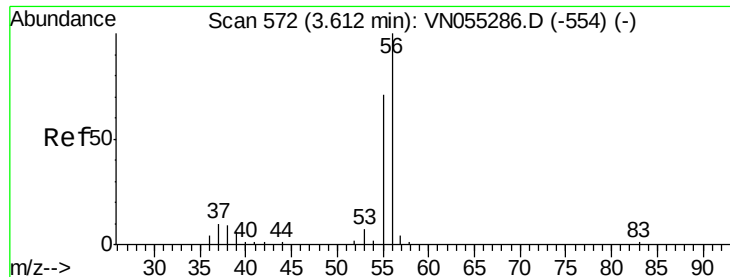


#12

1,1-Dichloroethene
 Concen: 20.035 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 96 Resp: 74991
 Ion Ratio Lower Upper
 96 100
 61 182.7 140.9 211.3
 98 64.8 50.0 75.0





#13

Acrolein

Concen: 67.644 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

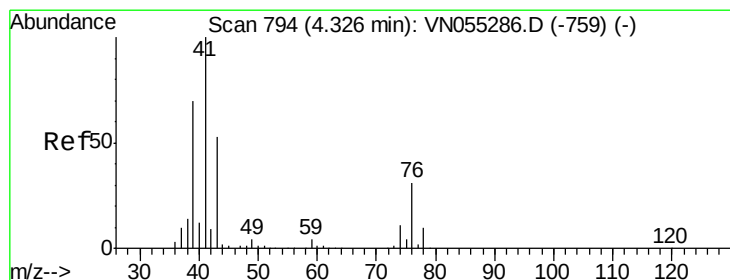
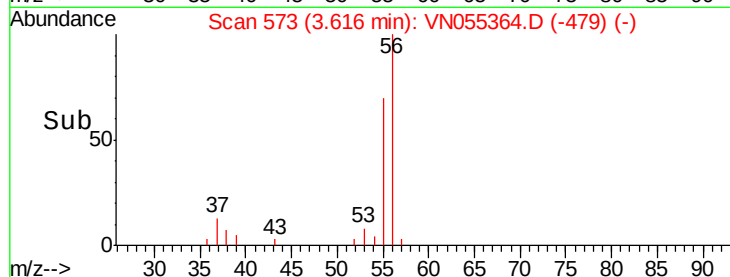
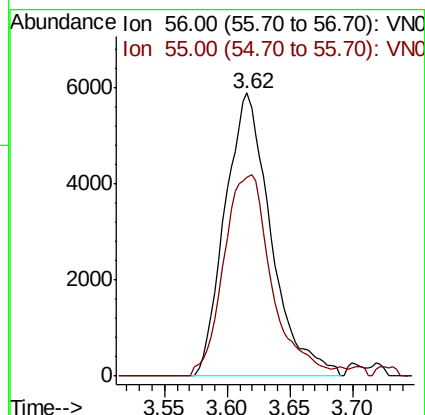
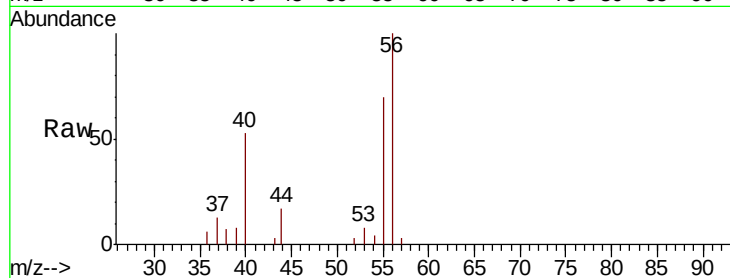
VN0502MBS02

Tot Ion: 56 Resp: 14993

Ion Ratio Lower Upper

56 100

55 74.1 57.4 86.2



#14

Allyl chloride

Concen: 20.101 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

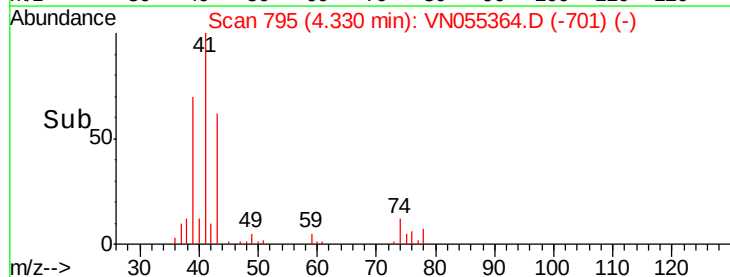
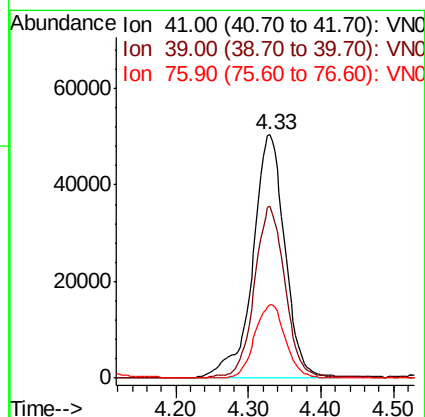
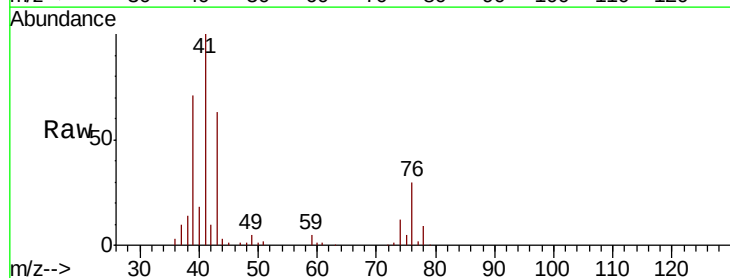
Tgt Ion: 41 Resp: 155831

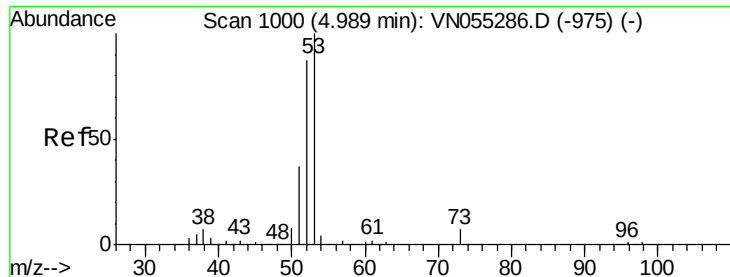
Ion Ratio Lower Upper

41 100

39 67.4 53.0 79.6

76 28.7 22.7 34.1





#15

Acrylonitrile

Concen: 112.071 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

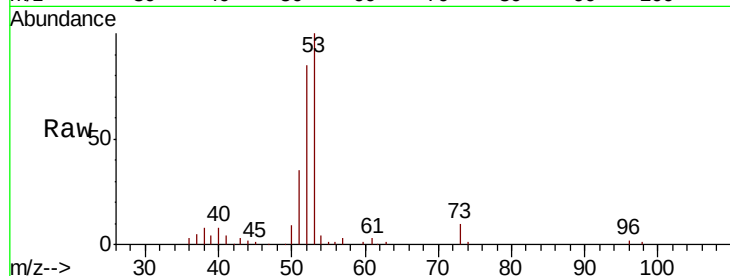
Tot Ion: 53 Resp: 178783

Ion Ratio Lower Upper

53 100

52 81.2 66.5 99.7

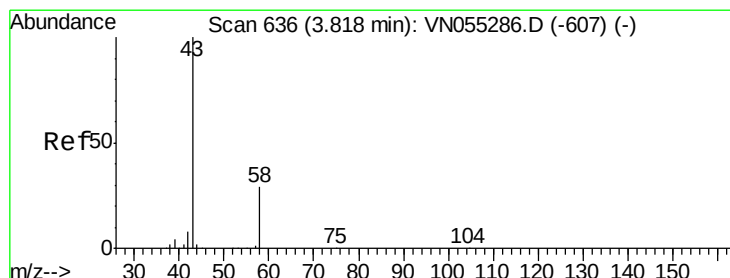
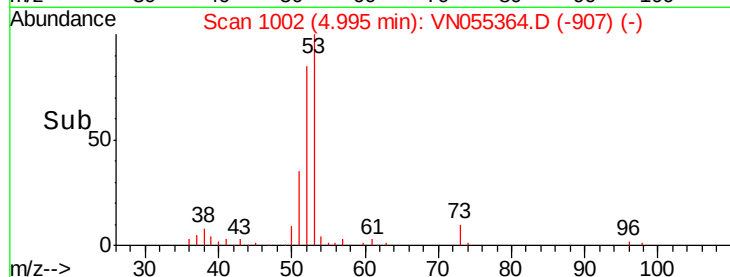
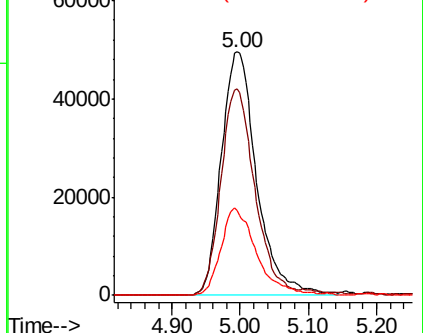
51 36.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.304 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055364.D

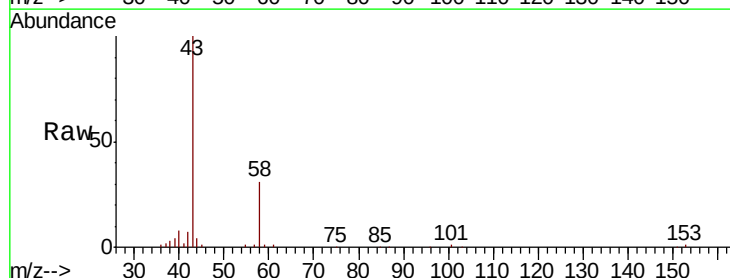
Acq: 2 May 2019 22:12

Tgt Ion: 43 Resp: 134847

Ion Ratio Lower Upper

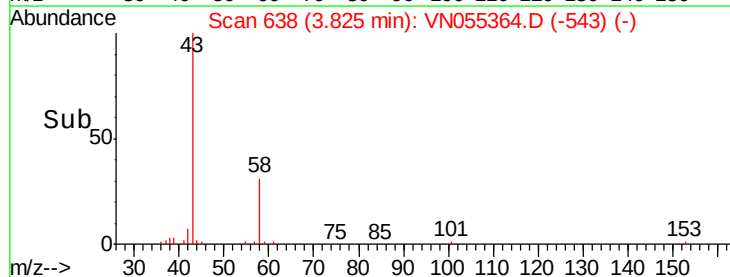
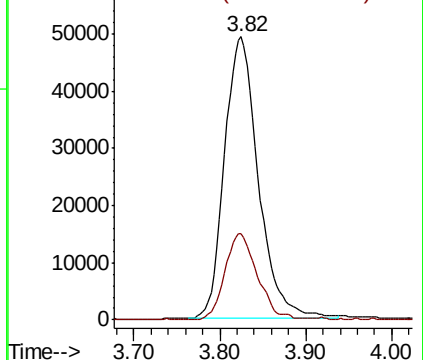
43 100

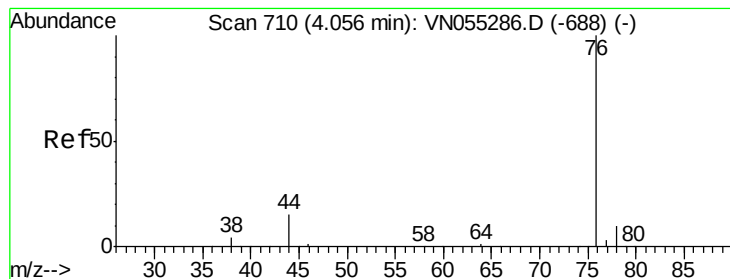
58 30.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.863 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

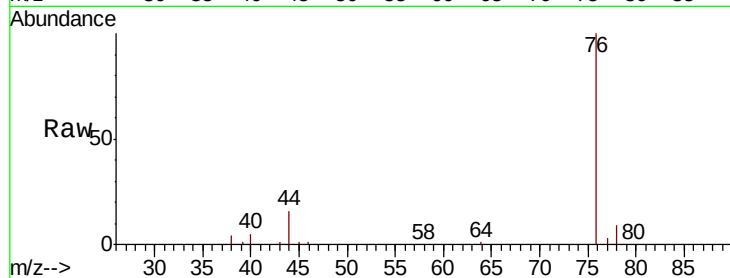
VN0502MBS02

Tot Ion: 76 Resp: 174494

Ion Ratio Lower Upper

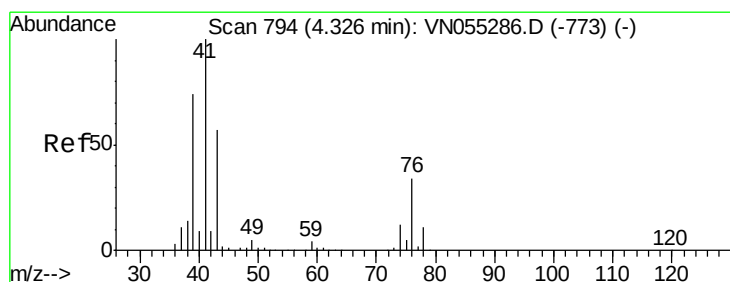
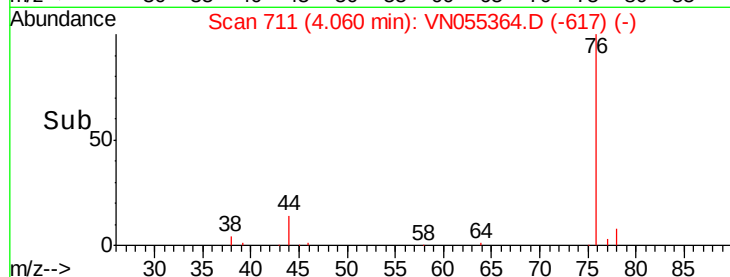
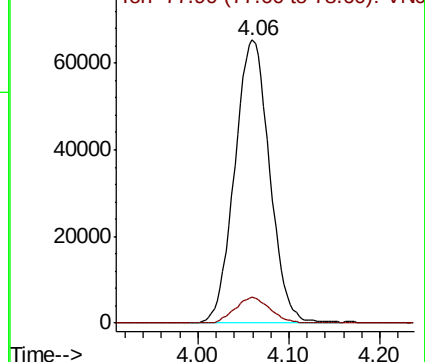
76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.761 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055364.D

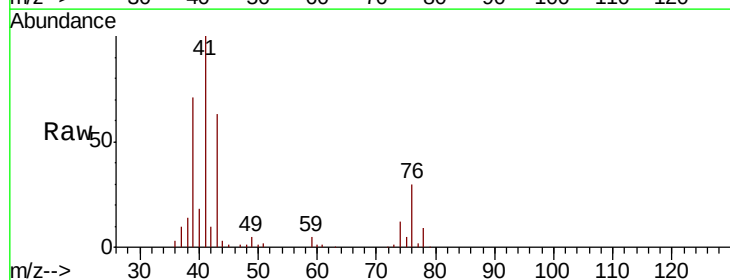
Acq: 2 May 2019 22:12

Tgt Ion: 43 Resp: 91448

Ion Ratio Lower Upper

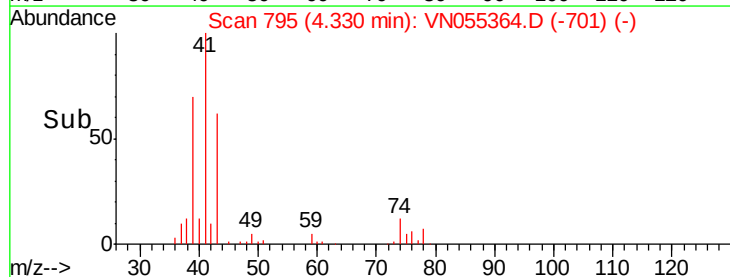
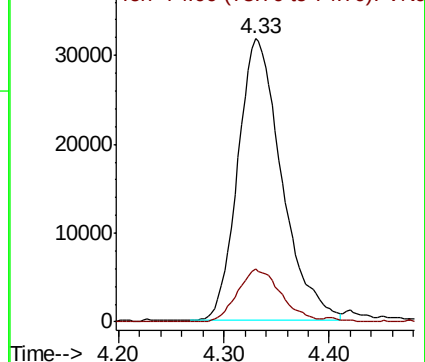
43 100

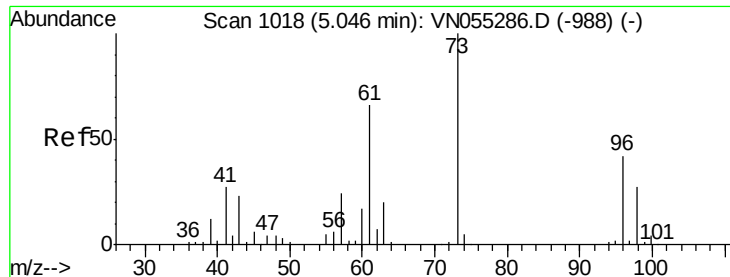
74 18.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

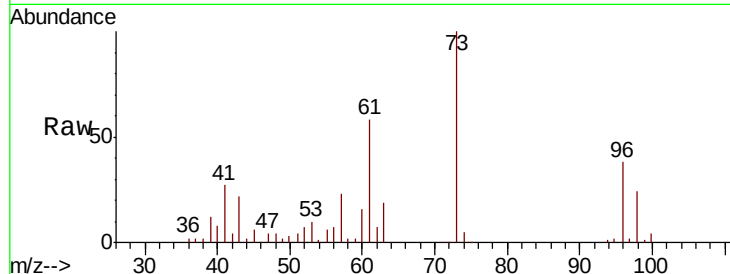




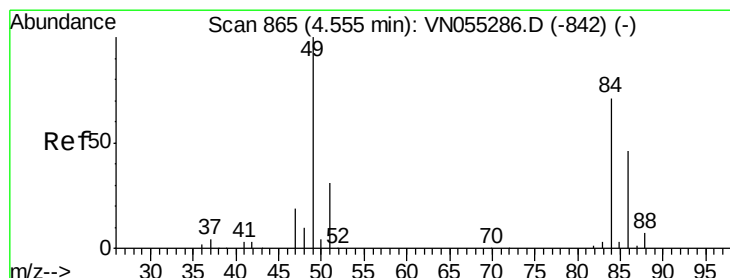
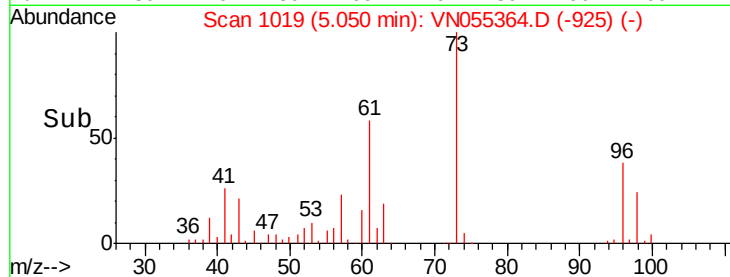
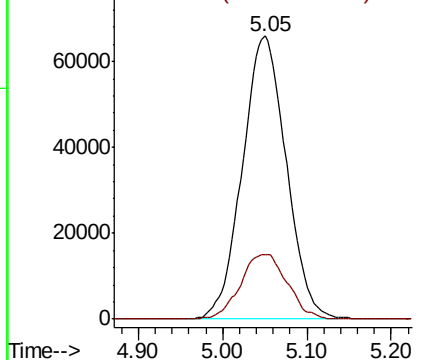
#19
Methyl tert-butyl Ether
Concen: 22.600 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

Tot Ion: 73 Resp: 237813
Ion Ratio Lower Upper
73 100
57 22.9 19.1 28.7

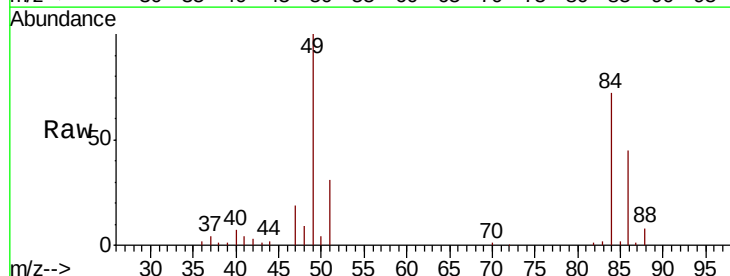


Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

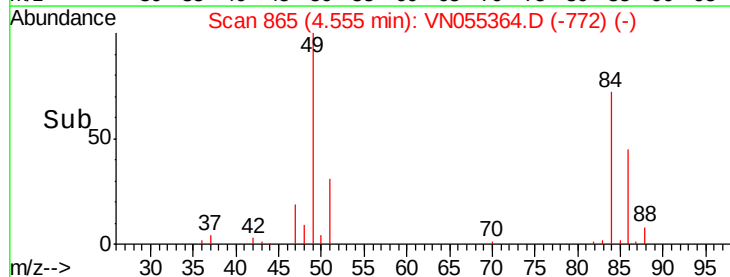
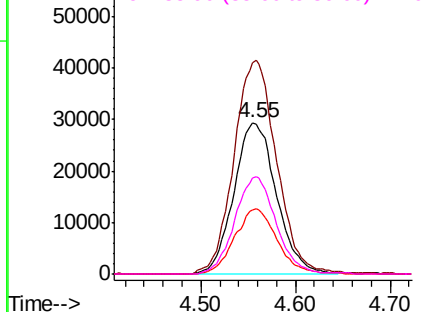


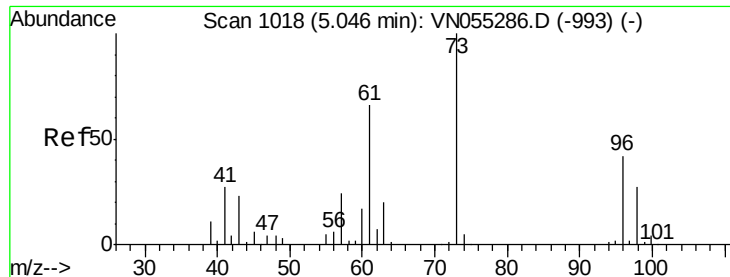
#20
Methylene Chloride
Concen: 19.439 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 84 Resp: 91645
Ion Ratio Lower Upper
84 100
49 139.2 112.4 168.6
51 42.5 34.6 51.8
86 63.2 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

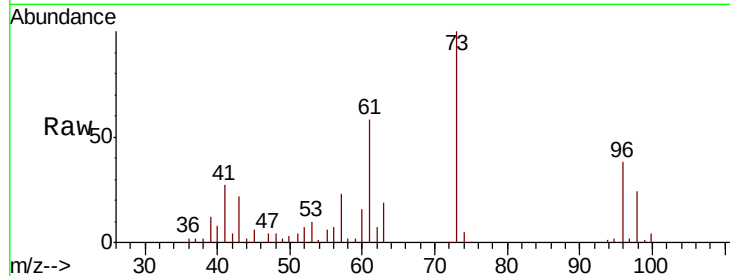




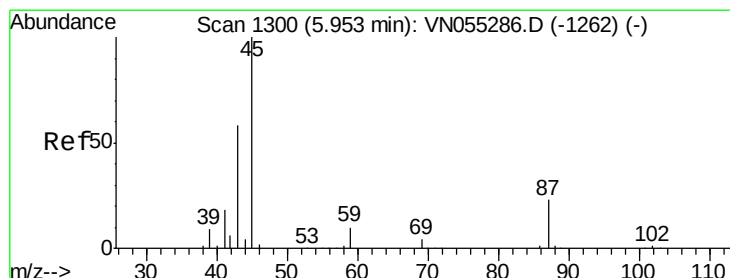
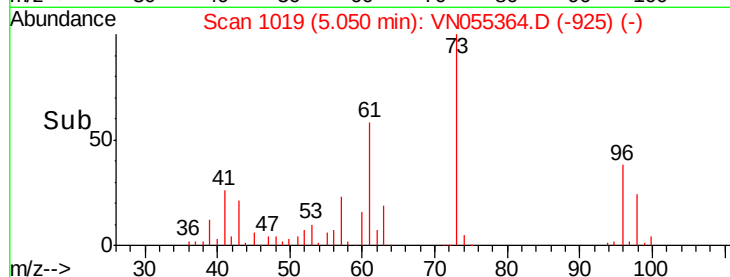
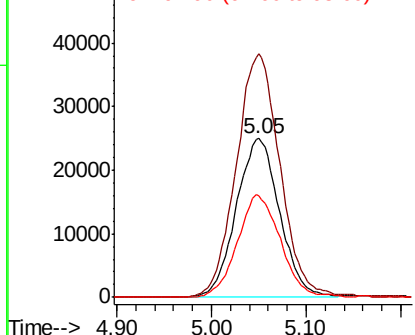
#21
trans-1,2-Dichloroethene
Concen: 20.064 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Instrument :
MSVOA_N
ClientSampled :
VN0502MBS02

Tot Ion: 96 Resp: 79538
Ion Ratio Lower Upper
96 100
61 153.6 126.2 189.4
98 64.5 52.2 78.2

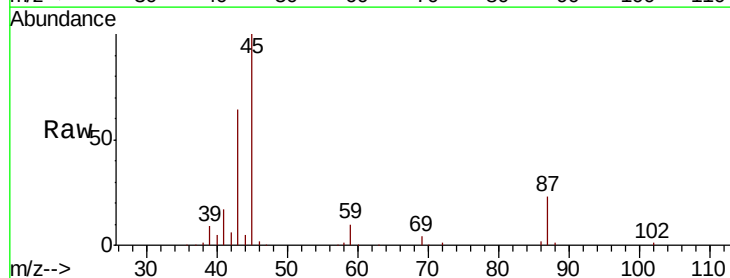


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

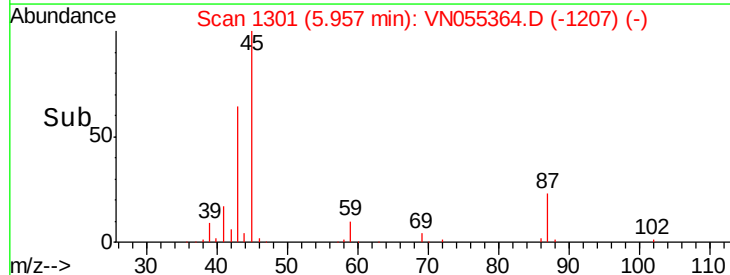
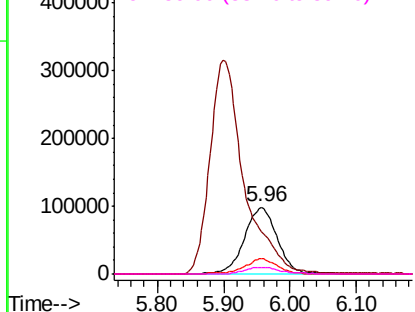


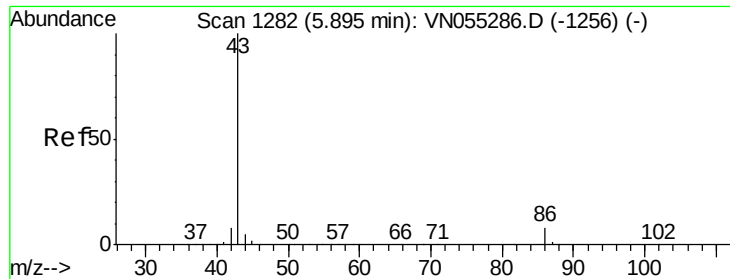
#22
Diisopropyl ether
Concen: 21.986 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 45 Resp: 338659
Ion Ratio Lower Upper
45 100
43 61.8 46.6 70.0
87 22.5 18.1 27.1
59 9.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

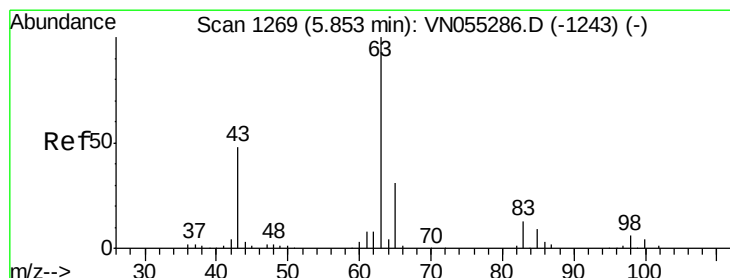
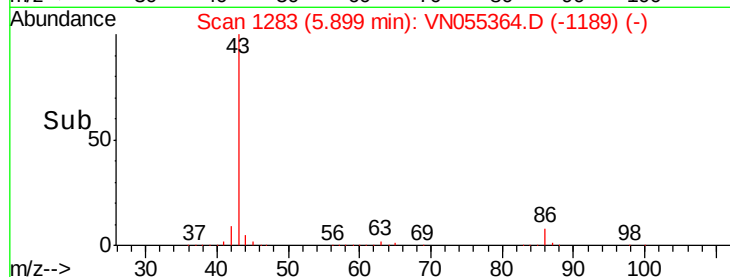
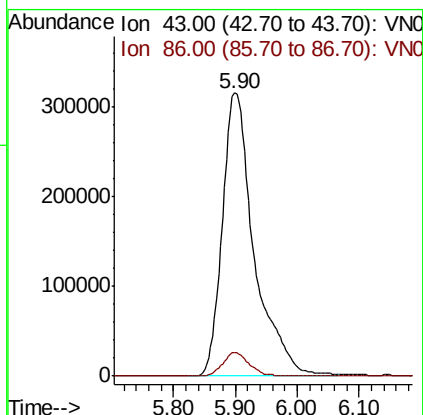
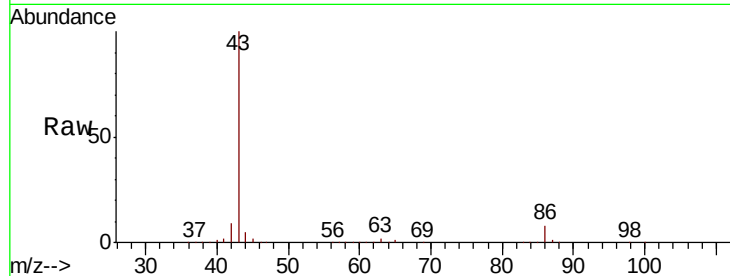




#23
Vinyl Acetate
Concen: 111.887 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

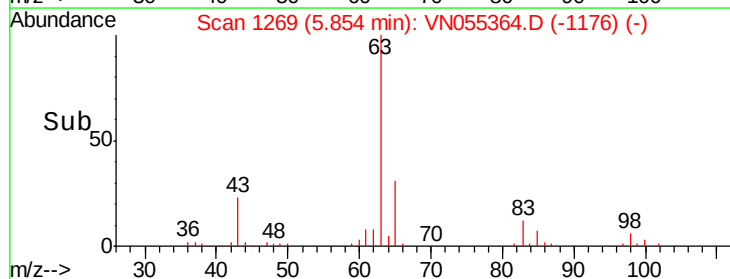
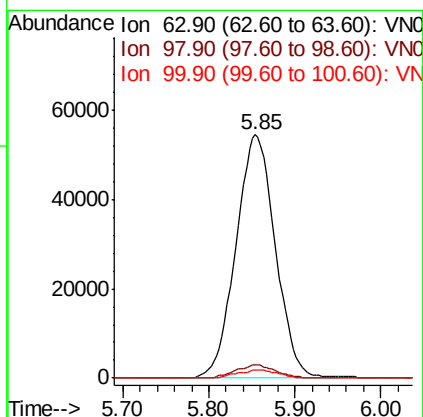
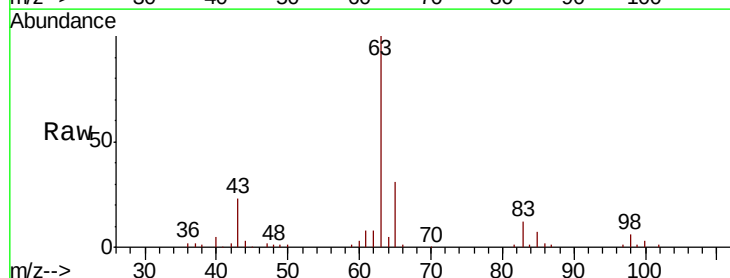
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

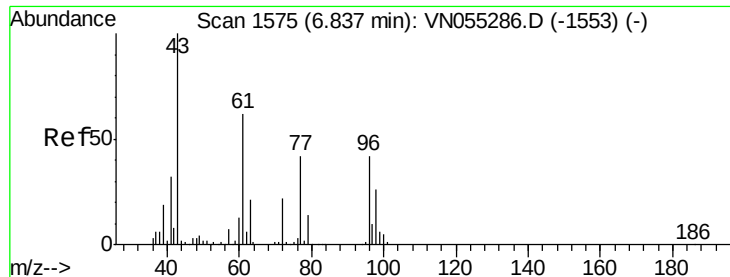
Tot Ion: 43 Resp: 1129519
Ion Ratio Lower Upper
43 100
86 8.3 6.6 10.0



#24
1,1-Dichloroethane
Concen: 21.105 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 63 Resp: 173206
Ion Ratio Lower Upper
63 100
98 5.6 3.0 9.0
100 3.4 1.8 5.4

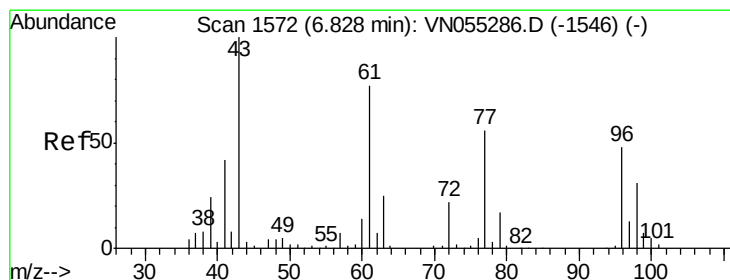
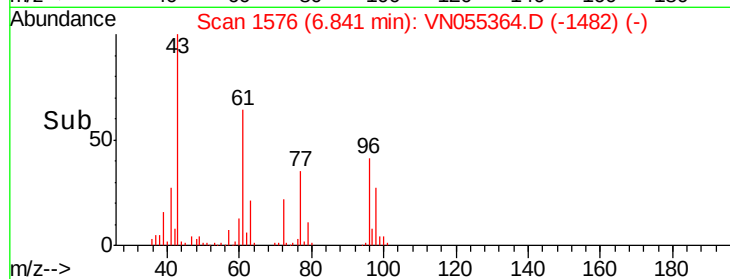
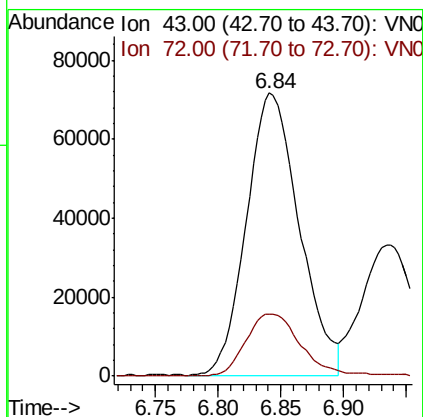
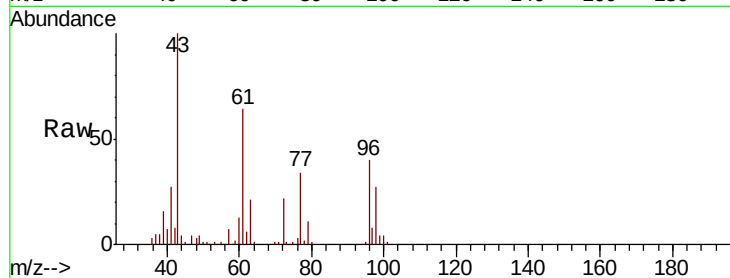




#25
2-Butanone
Concen: 106.018 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

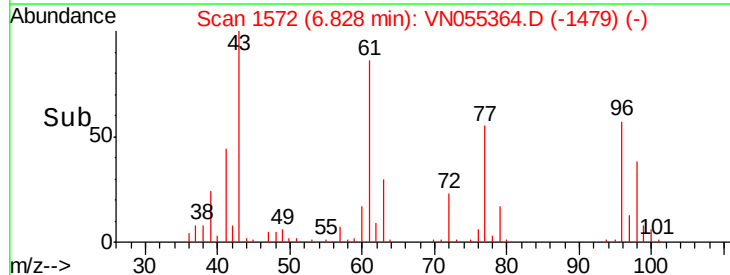
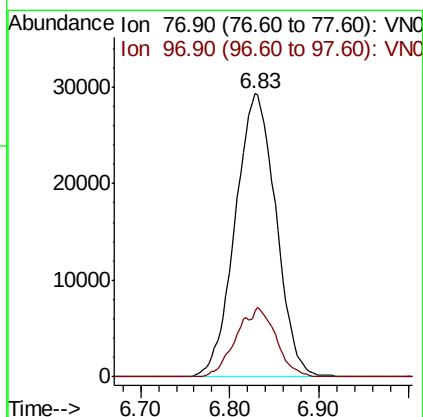
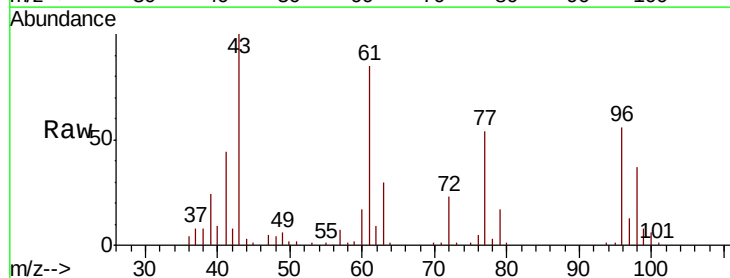
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

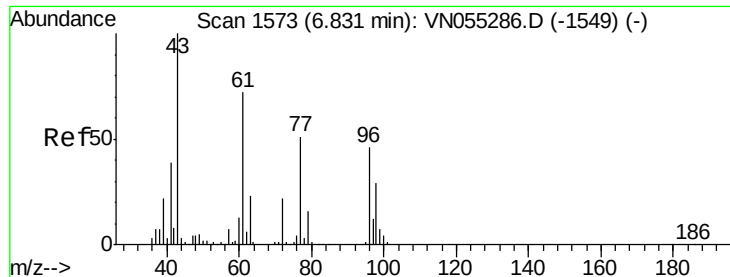
Tot Ion: 43 Resp: 209418
Ion Ratio Lower Upper
43 100
72 22.1 18.0 27.0



#26
2,2-Dichloropropane
Concen: 16.353 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 77 Resp: 92676
Ion Ratio Lower Upper
77 100
97 24.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.479 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

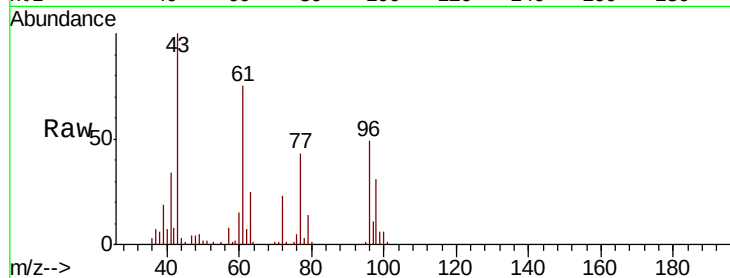
Tot Ion: 96 Resp: 92322

Ion Ratio Lower Upper

96 100

61 157.8 0.0 316.2

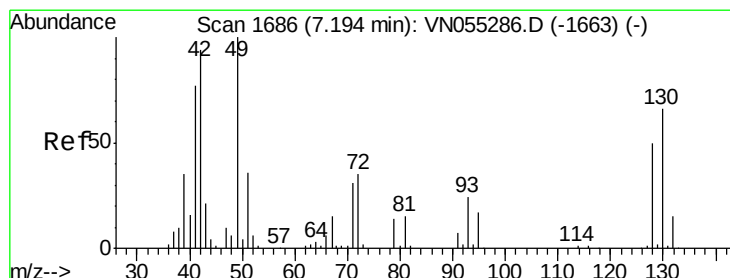
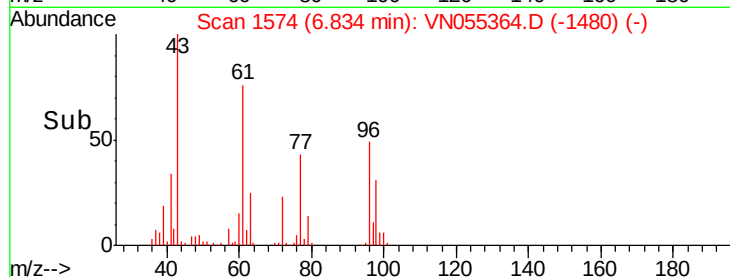
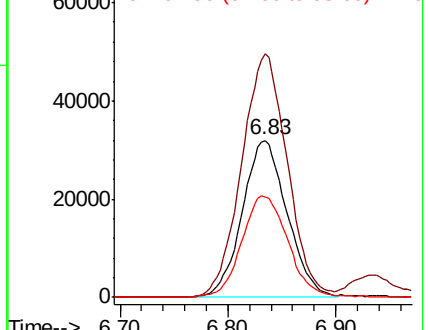
98 66.2 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.054 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

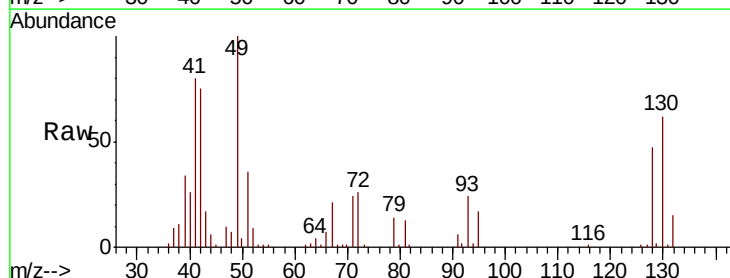
Tgt Ion: 49 Resp: 87097

Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.4

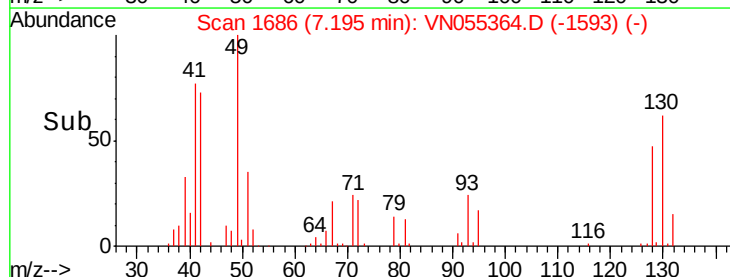
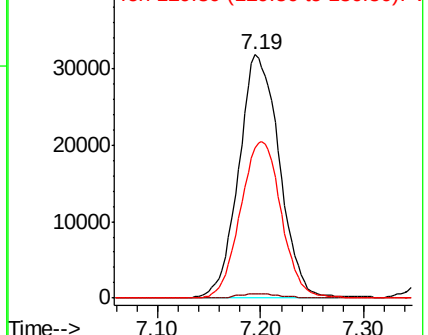
130 64.6 52.0 78.0

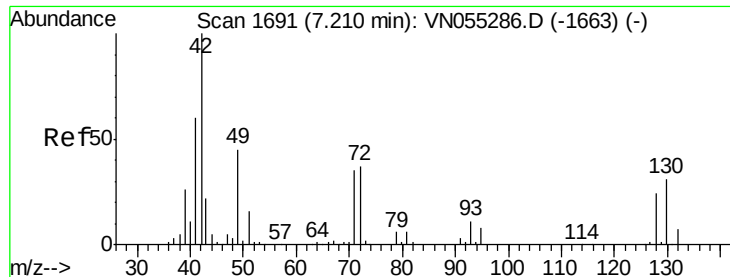


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

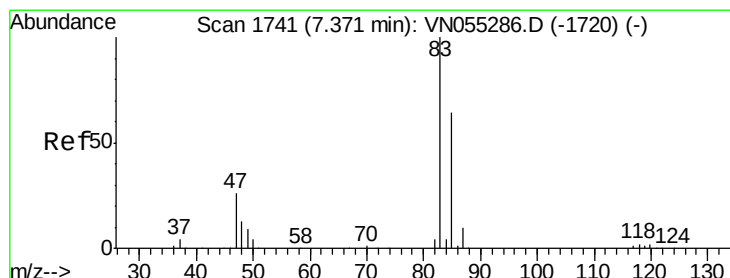
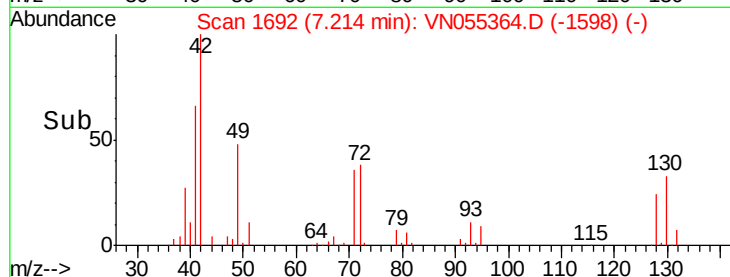
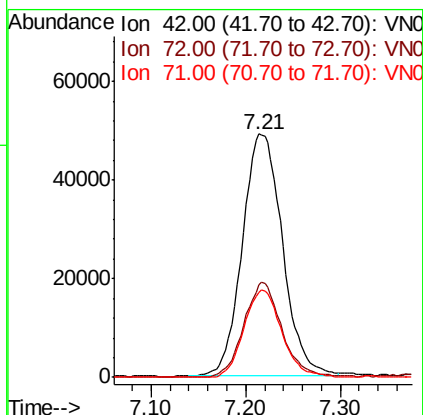
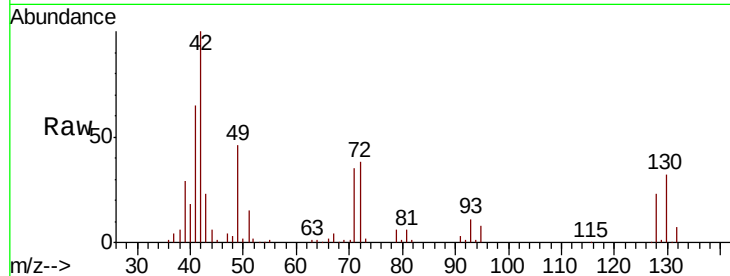




#29
Tetrahydrofuran
Concen: 114.767 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

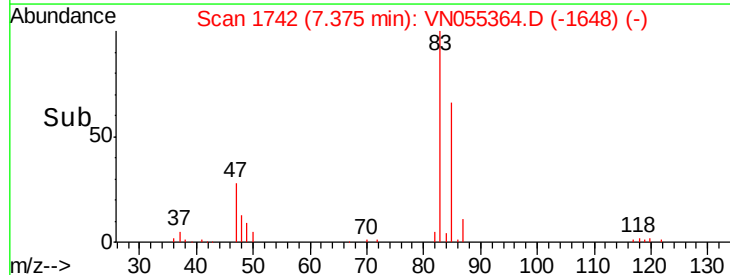
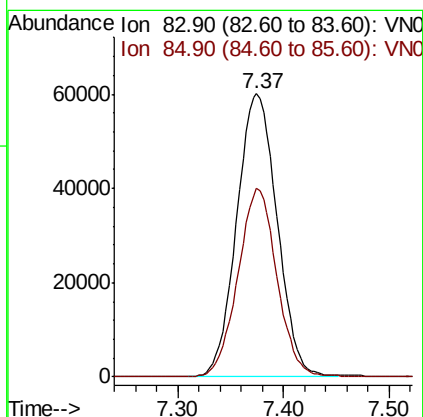
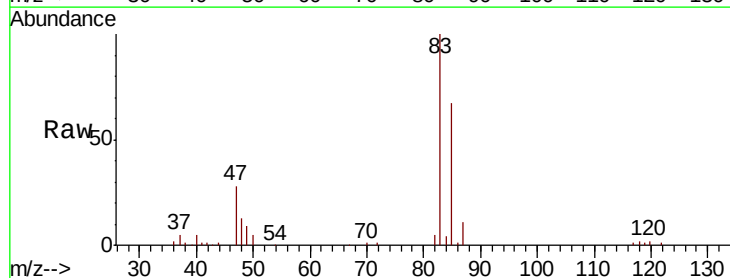
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

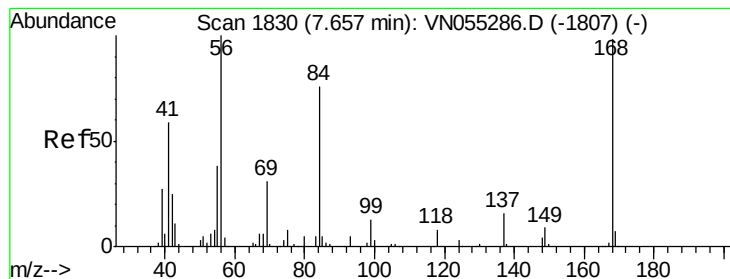
Tot Ion: 42 Resp: 145163
Ion Ratio Lower Upper
42 100
72 37.2 29.0 43.6
71 33.9 27.1 40.7



#30
Chloroform
Concen: 20.546 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 83 Resp: 159845
Ion Ratio Lower Upper
83 100
85 66.5 51.4 77.2





#31

Cyclohexane

Concen: 19.415 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

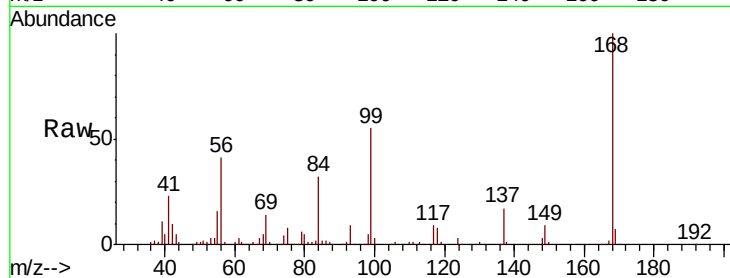
Tot Ion: 56 Resp: 151387

Ion Ratio Lower Upper

56 100

69 35.3 25.2 37.8

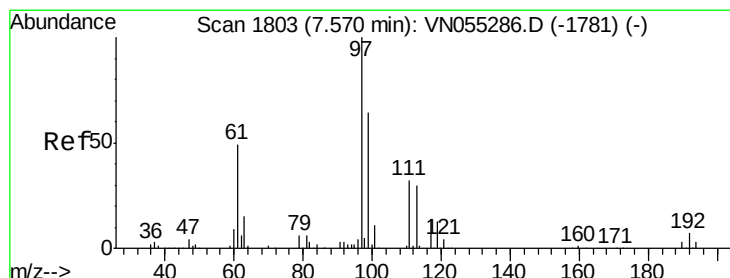
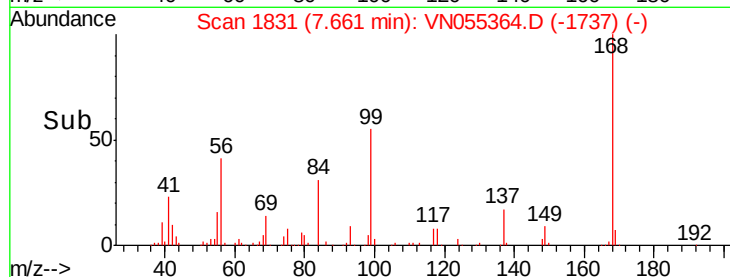
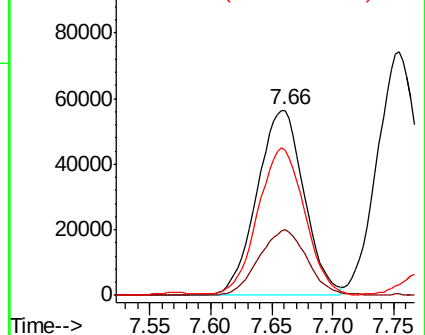
84 77.4 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055364.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055364.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055364.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 20.752 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

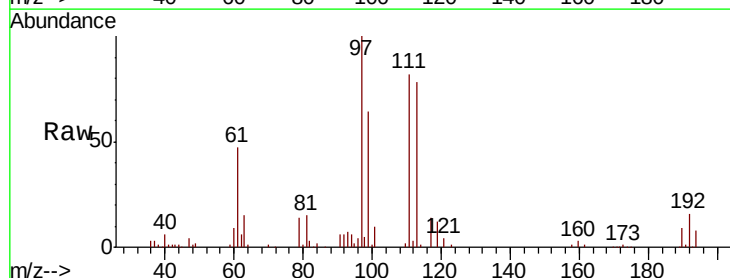
Tgt Ion: 97 Resp: 131031

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

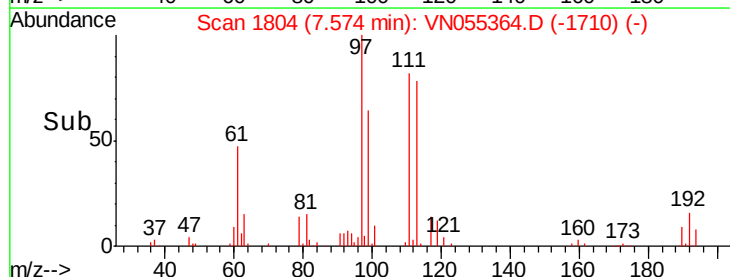
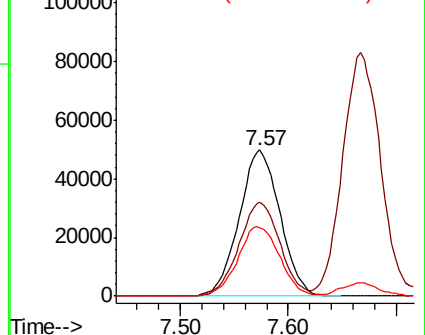
61 48.8 39.0 58.6

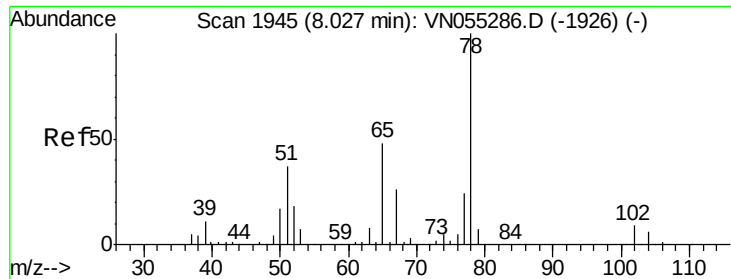


Abundance Ion 96.90 (96.60 to 97.60): VN055364.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055364.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055364.D (-1710) (-)

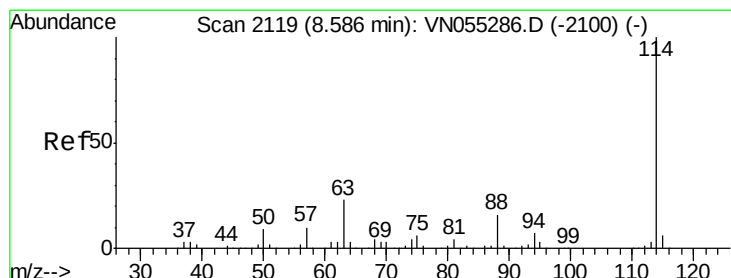
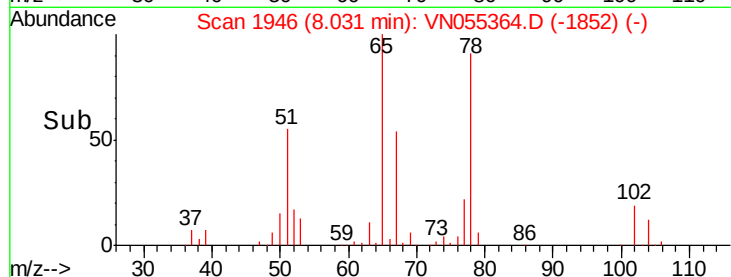
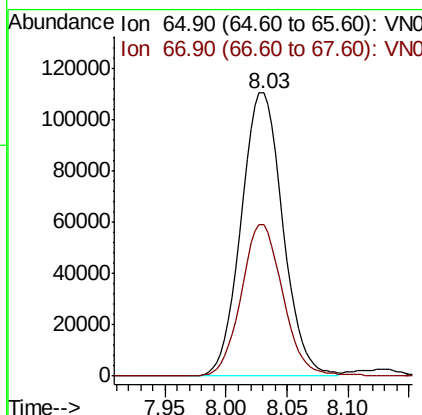
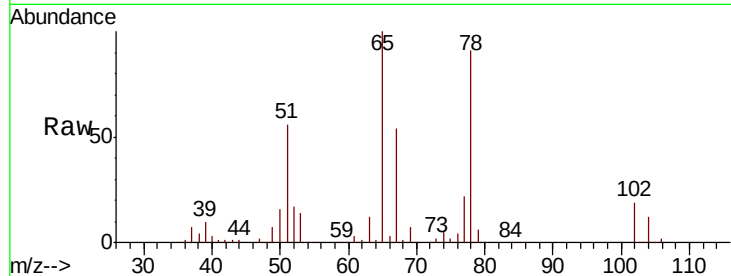




#33
 1,2-Dichloroethane-d4
 Concen: 52.720 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

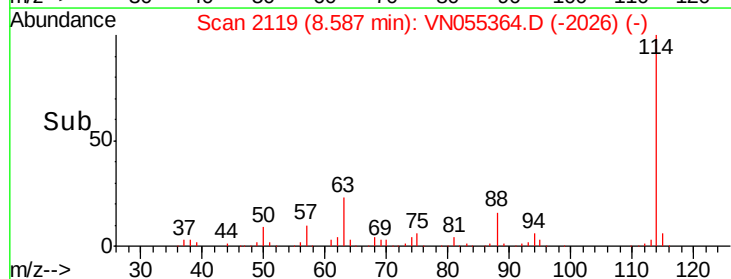
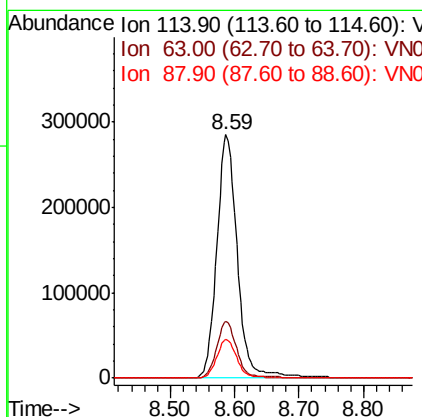
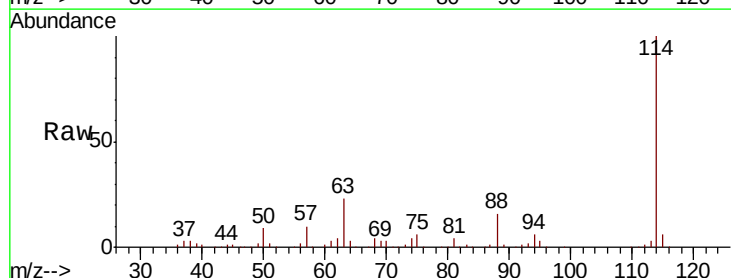
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

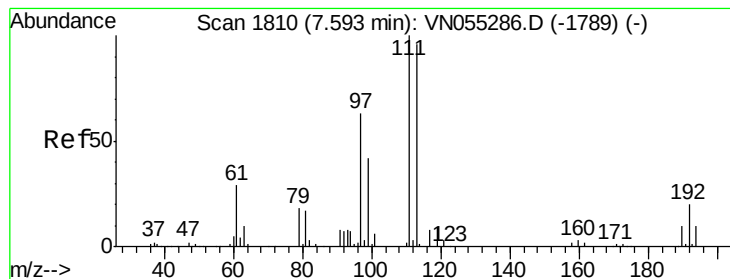
Tot Ion: 65 Resp: 261337
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 114 Resp: 632638
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.961 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

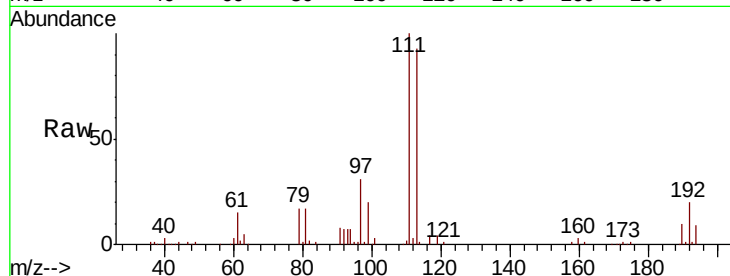
Tot Ion:113 Resp: 199155

Ion Ratio Lower Upper

113 100

111 106.8 82.3 123.5

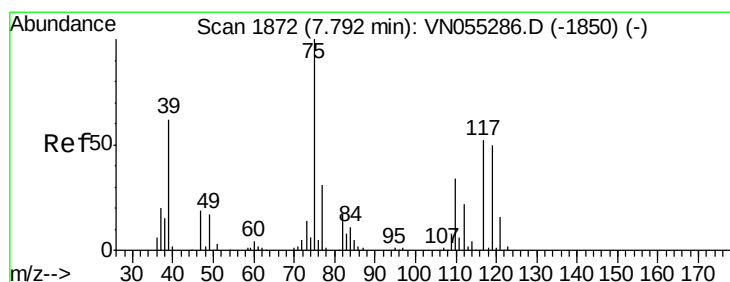
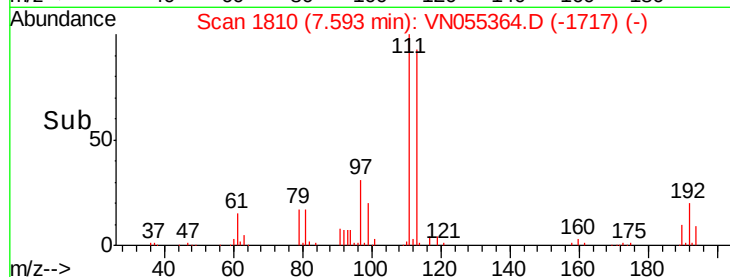
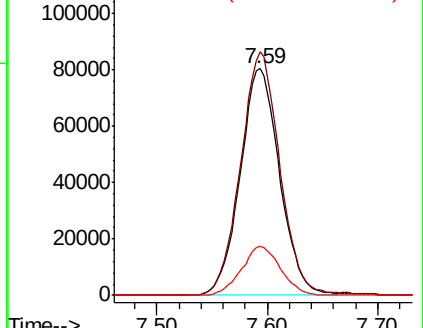
192 21.5 17.0 25.6



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: 18.501 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

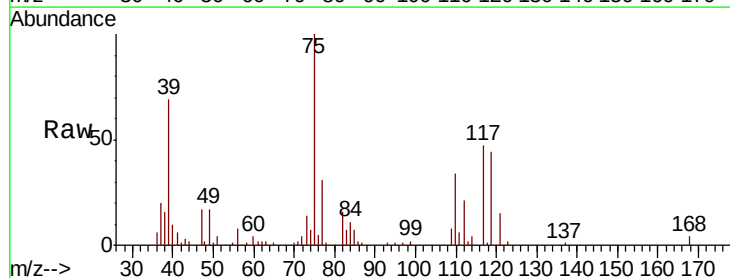
Tgt Ion: 75 Resp: 112110

Ion Ratio Lower Upper

75 100

110 33.9 16.8 50.4

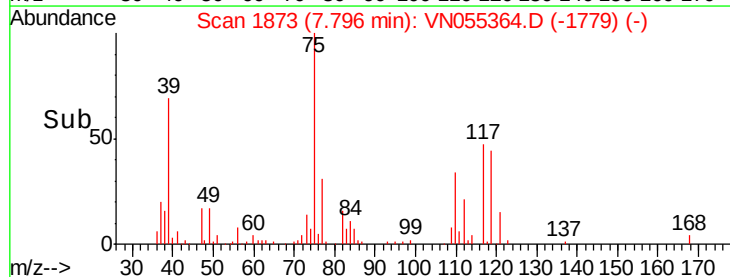
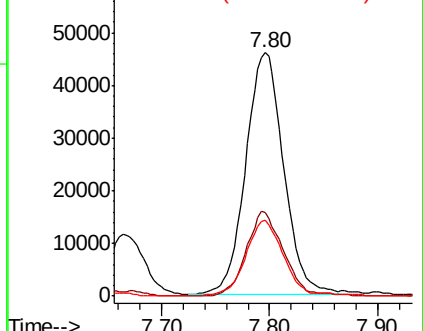
77 31.4 25.0 37.6

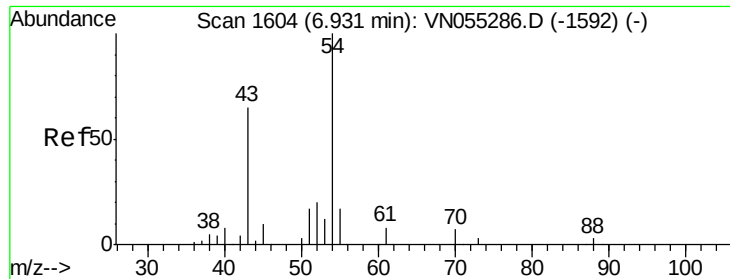


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

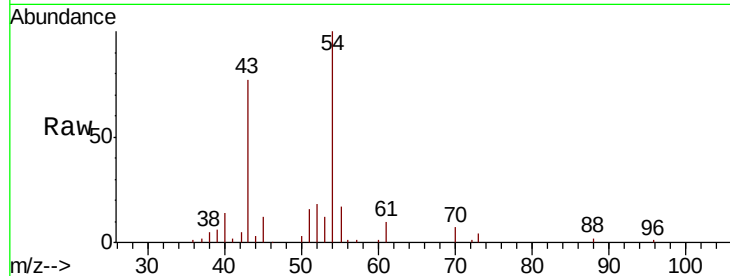




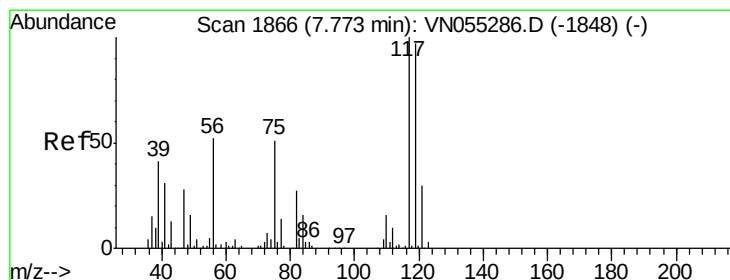
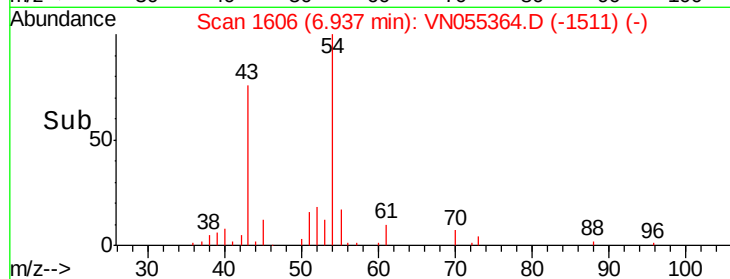
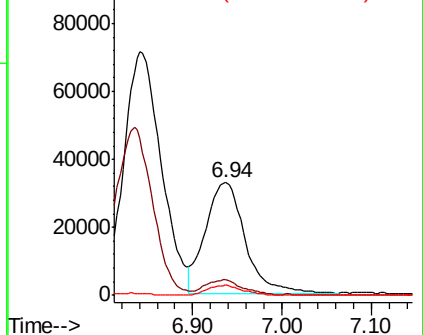
#37
Ethyl Acetate
Concen: 22.020 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Instrument :
MSVOA_N
ClientSampleID :
VN0502MBS02

Tot Ion: 43 Resp: 102264
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 8.1 6.6 10.0

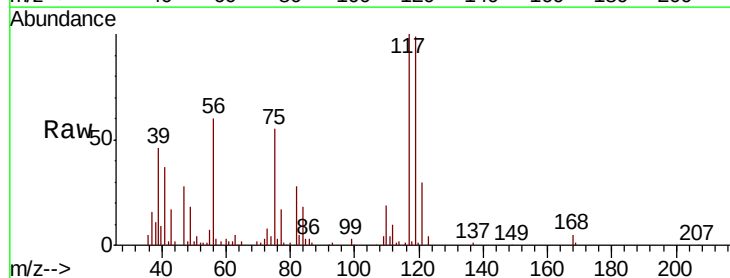


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

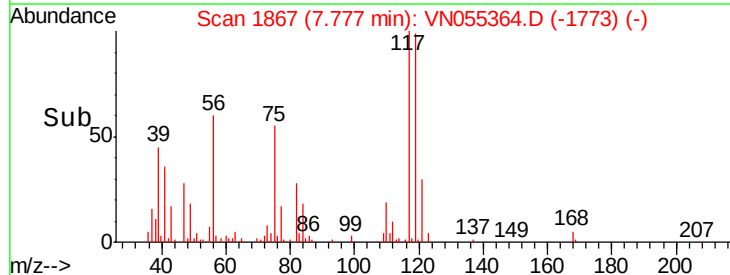
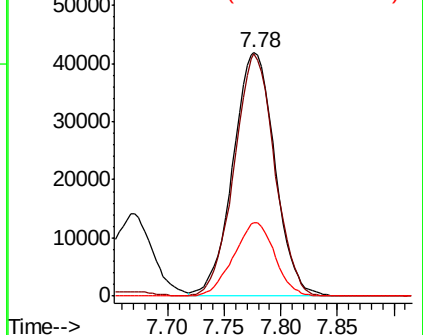


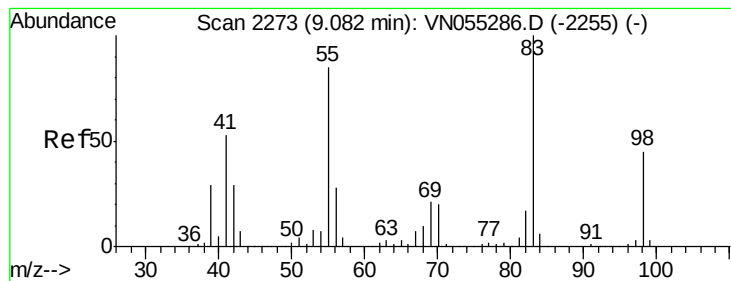
#38
Carbon Tetrachloride
Concen: 18.489 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 117 Resp: 108074
Ion Ratio Lower Upper
117 100
119 99.0 77.0 115.6
121 30.3 23.8 35.8



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





#39

Methylvlcyclohexane

Concen: 19.136 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

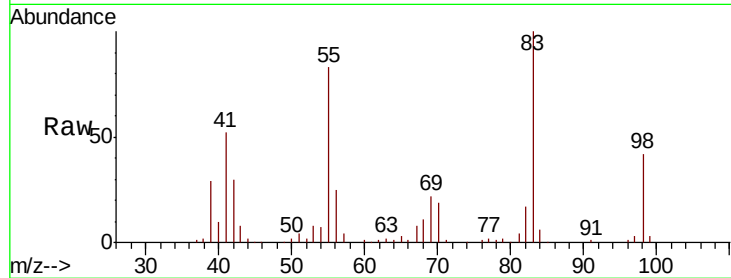
Tot Ion: 83 Resp: 123288

Ion Ratio Lower Upper

83 100

55 82.7 67.8 101.6

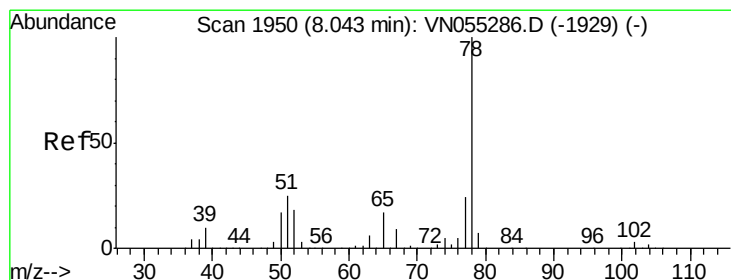
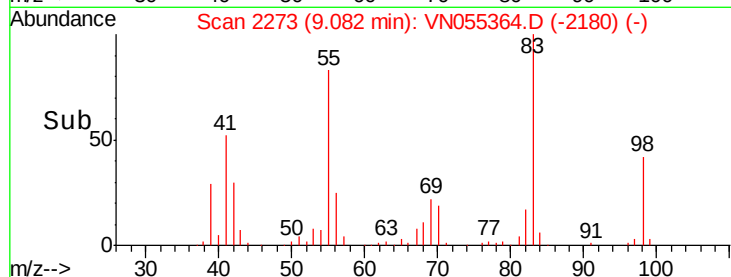
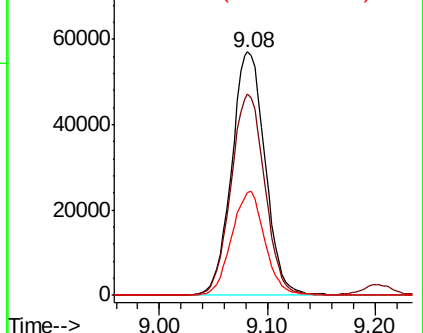
98 42.3 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.697 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055364.D

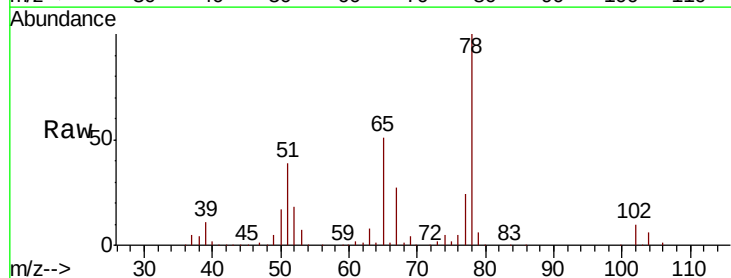
Acq: 2 May 2019 22:12

Tgt Ion: 78 Resp: 351852

Ion Ratio Lower Upper

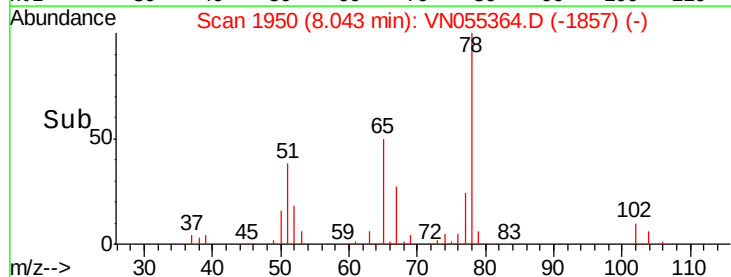
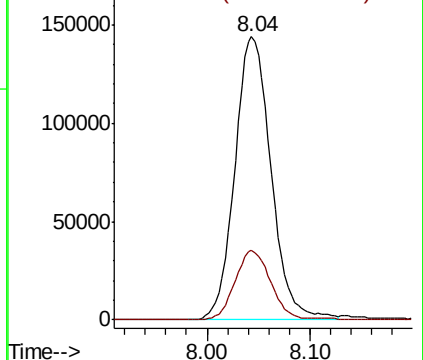
78 100

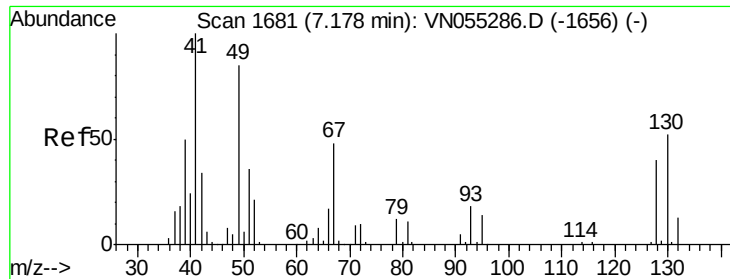
77 24.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

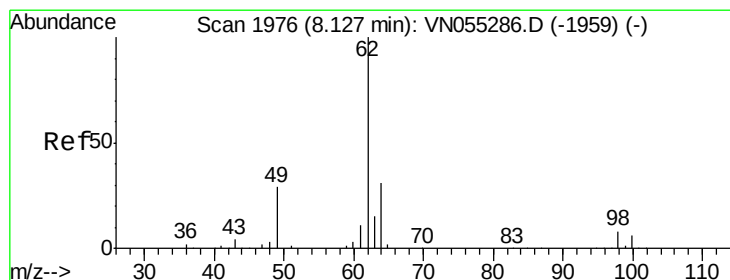
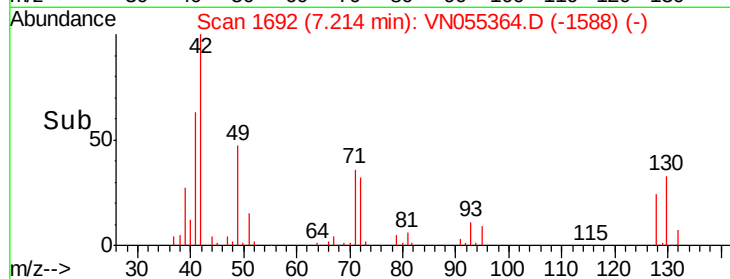
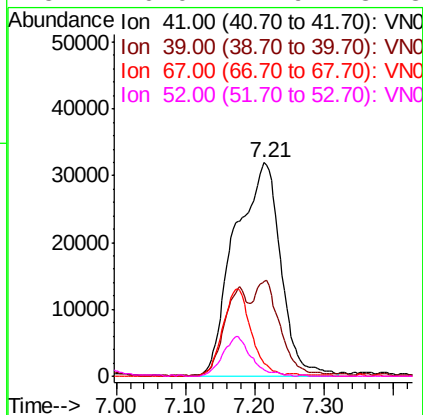
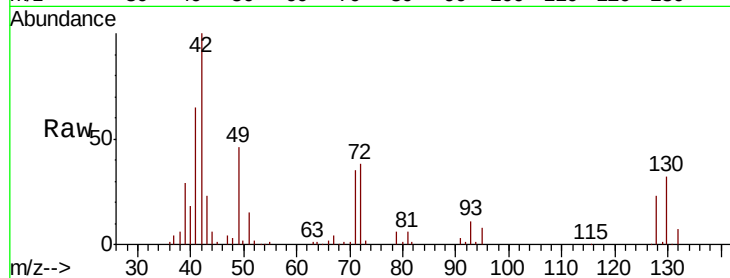




#41
Methacrylonitrile
Concen: 58.635 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

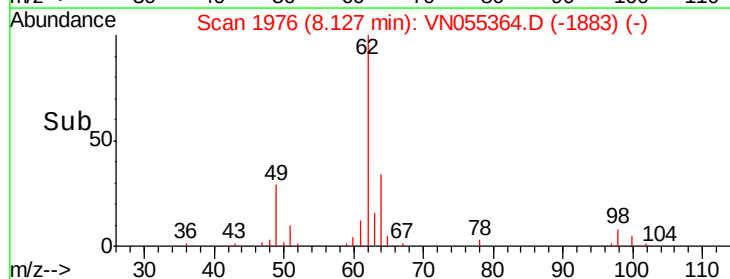
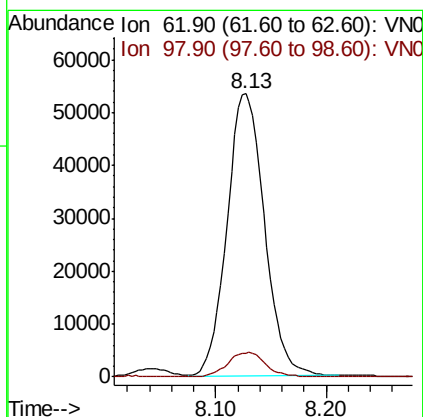
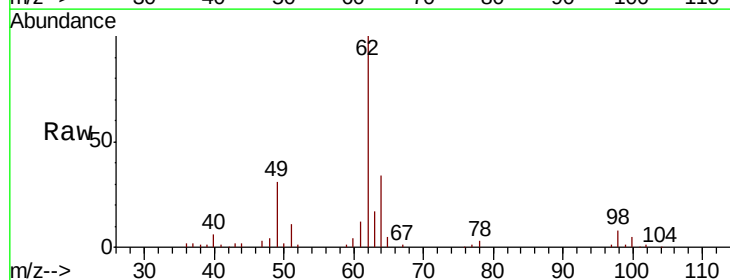
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

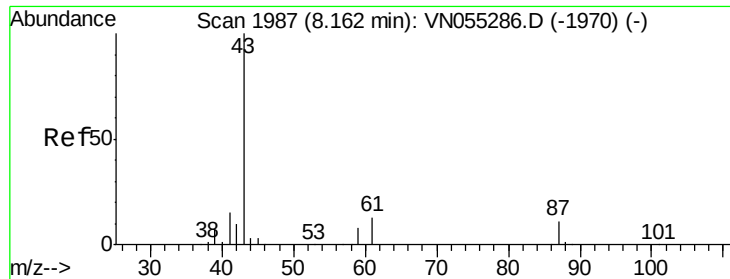
Tot Ion: 41 Resp: 147706
Ion Ratio Lower Upper
41 100
39 0.0 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#42
1,2-Dichloroethane
Concen: 19.864 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 62 Resp: 125678
Ion Ratio Lower Upper
62 100
98 8.7 0.0 16.4





#43

Isopropyl Acetate

Concen: 22.923 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

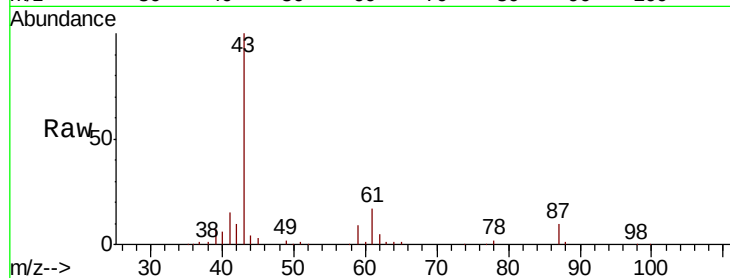
Tot Ion: 43 Resp: 171088

Ion Ratio Lower Upper

43 100

61 16.3 20.8 31.2#

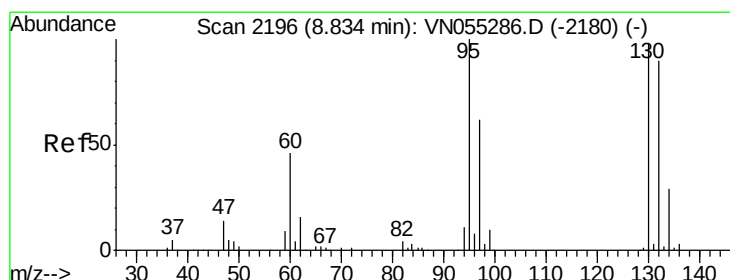
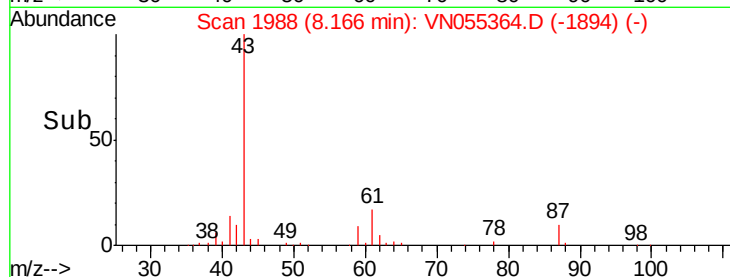
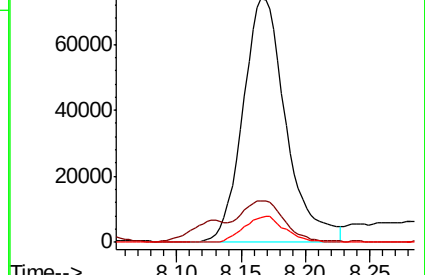
87 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#44

Trichloroethene

Concen: 19.493 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055364.D

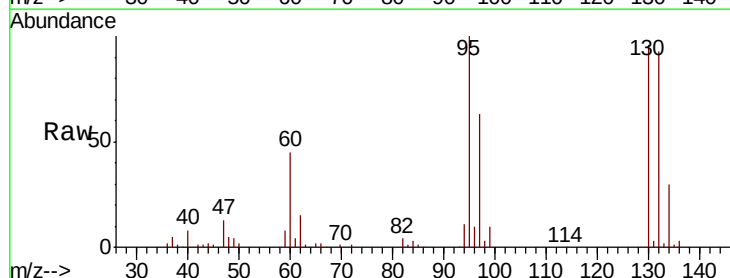
Acq: 2 May 2019 22:12

Tgt Ion:130 Resp: 88769

Ion Ratio Lower Upper

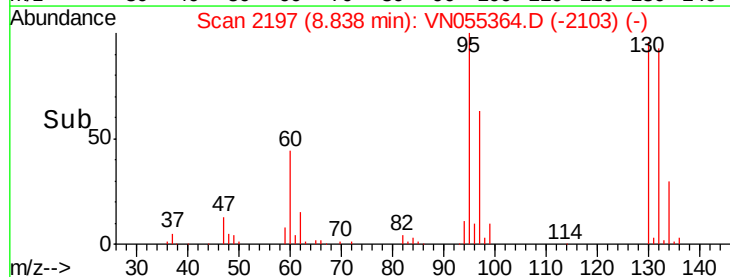
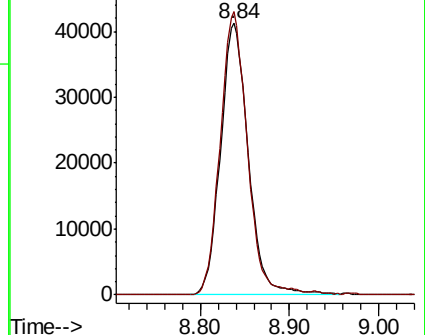
130 100

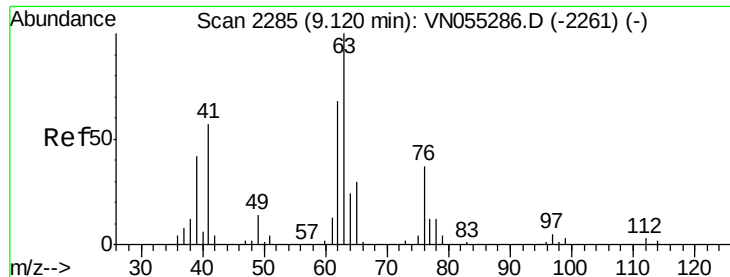
95 104.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

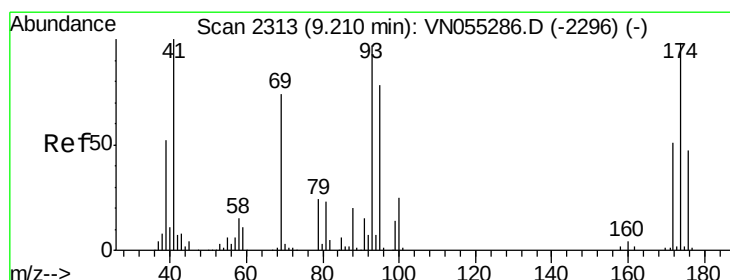
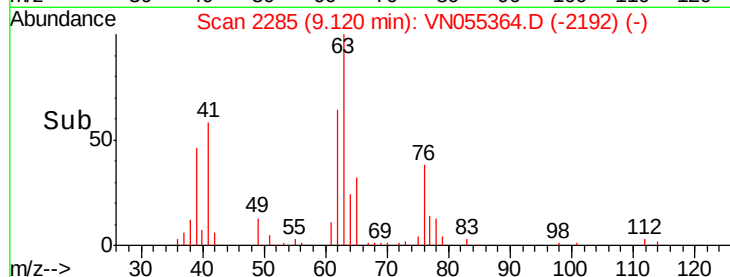
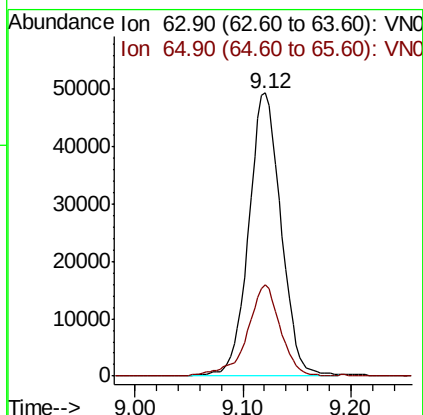
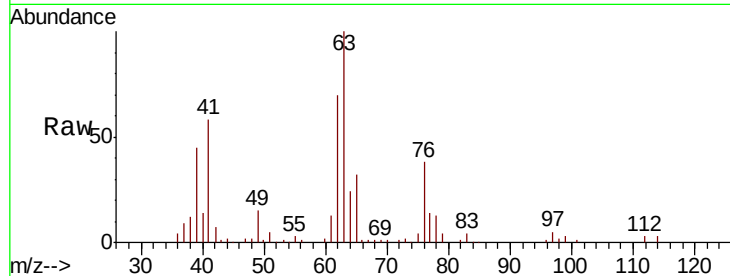




#45
 1,2-Dichloropropane
 Concen: 19.898 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

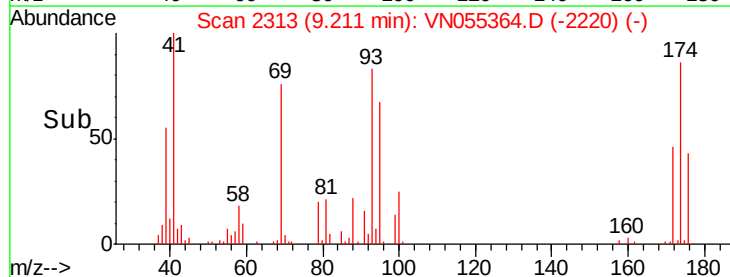
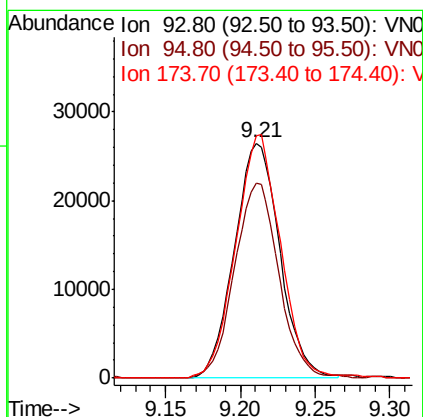
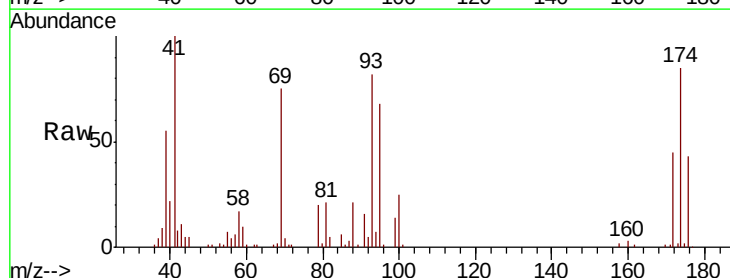
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS02

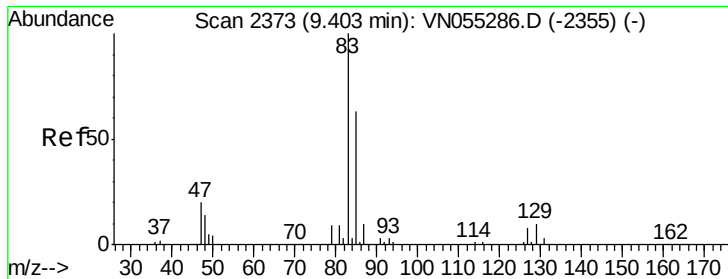
Tot Ion: 63 Resp: 102520
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.9 35.9



#46
 Dibromomethane
 Concen: 19.866 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 93 Resp: 55946
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.7 98.5
 174 102.4 81.5 122.3





#47

Bromodichloromethane

Concen: 19.764 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

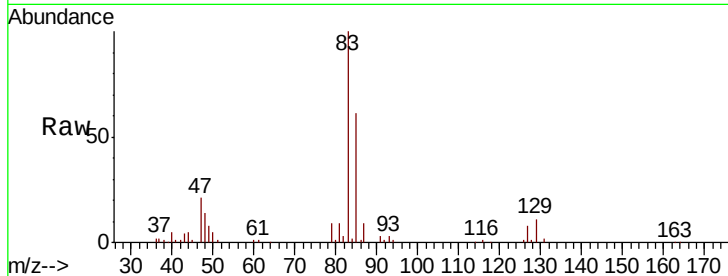
Tot Ion: 83 Resp: 119408

Ion Ratio Lower Upper

83 100

85 61.1 50.1 75.1

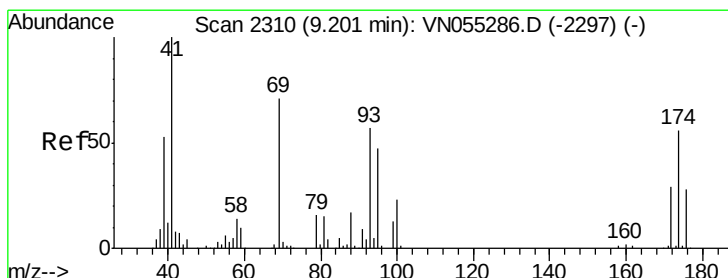
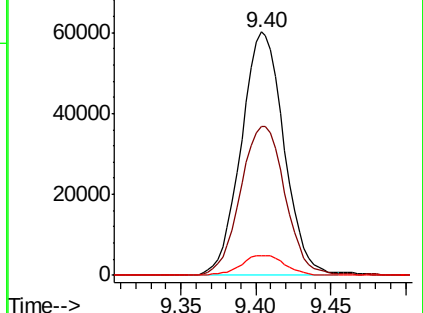
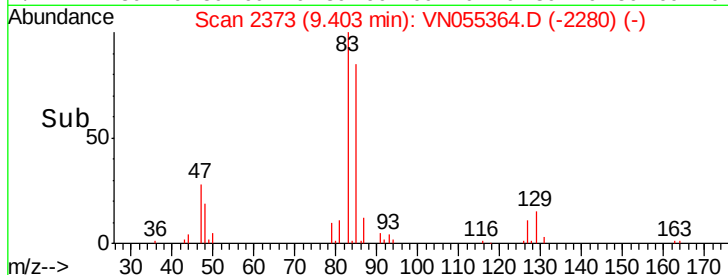
127 8.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055364.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055364.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055364.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.259 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

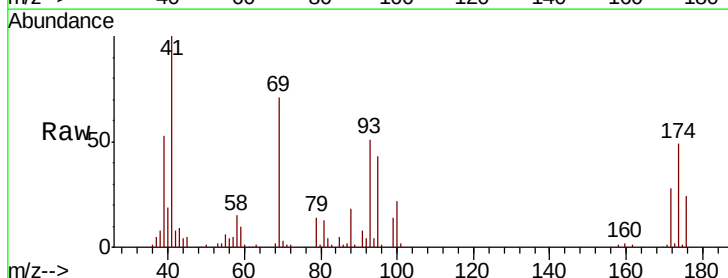
Tgt Ion: 41 Resp: 78003

Ion Ratio Lower Upper

41 100

69 74.4 58.6 87.8

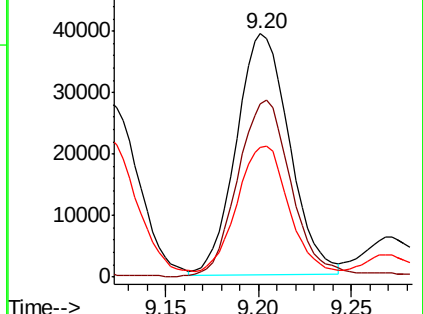
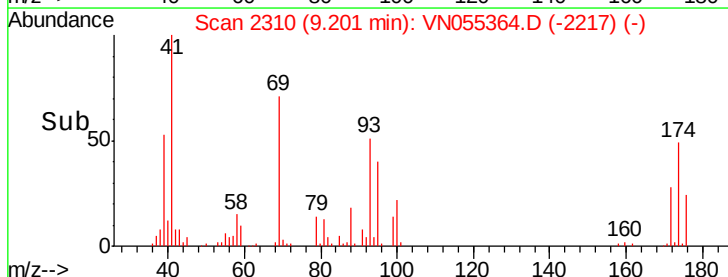
39 53.5 43.8 65.6

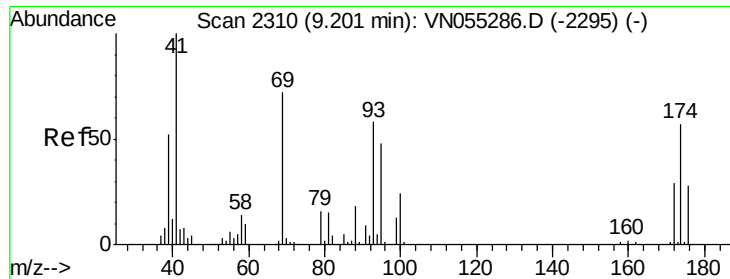


Abundance Ion 41.00 (40.70 to 41.70): VN055364.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055364.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055364.D (-2217) (-)





#49

1,4-Dioxane

Concen: 424.848 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

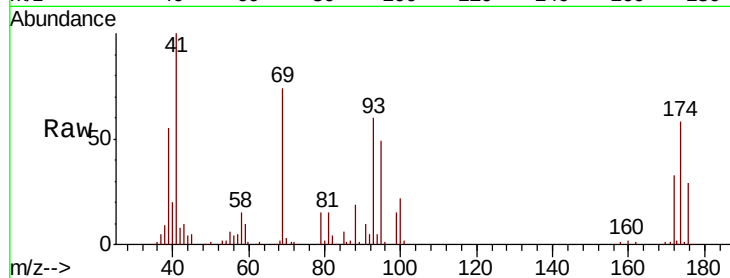
Tot Ion: 88 Resp: 16114

Ion Ratio Lower Upper

88 100

43 43.5 33.3 49.9

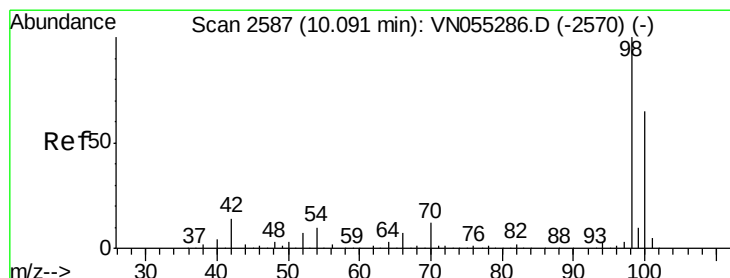
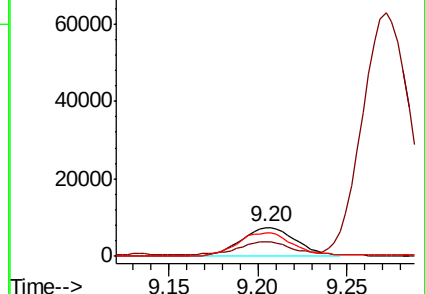
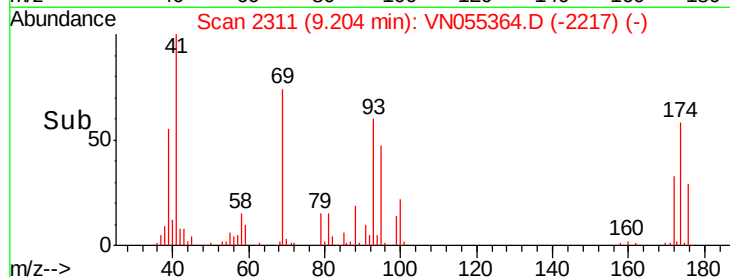
58 82.9 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055364.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055364.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055364.D (-2217) (-)



#50

Toluene-d8

Concen: 48.859 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055364.D

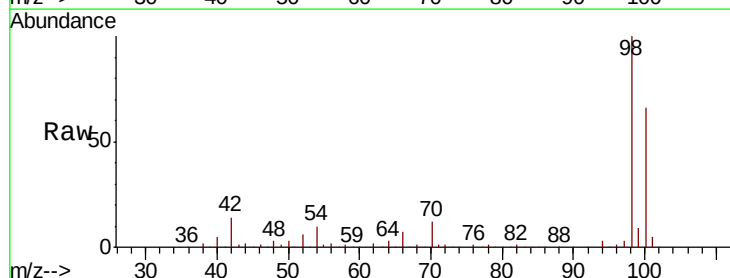
Acq: 2 May 2019 22:12

Tgt Ion: 98 Resp: 732583

Ion Ratio Lower Upper

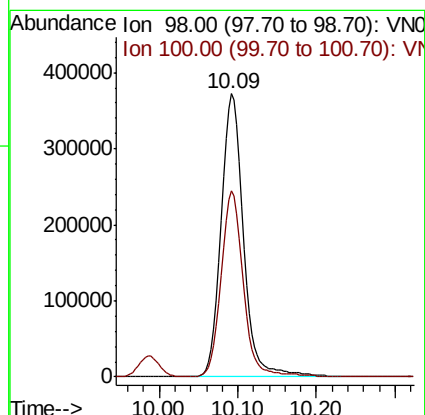
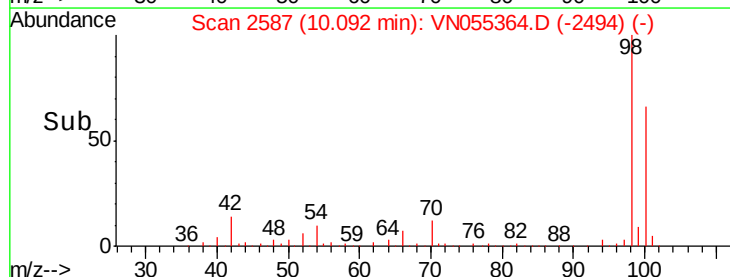
98 100

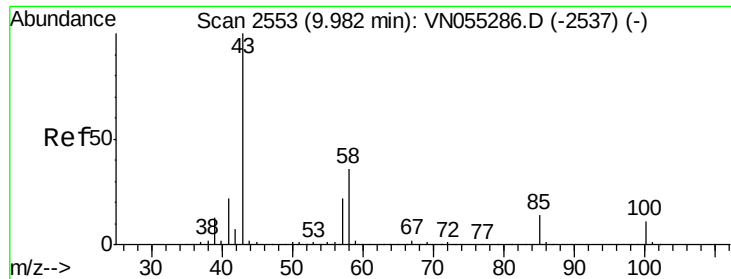
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055364.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055364.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 110.258 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

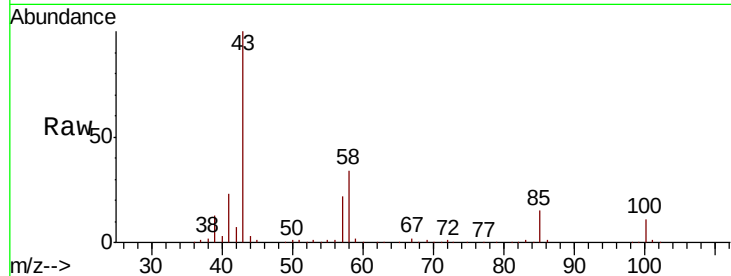
VN0502MBS02

Tot Ion: 43 Resp: 463316

Ion Ratio Lower Upper

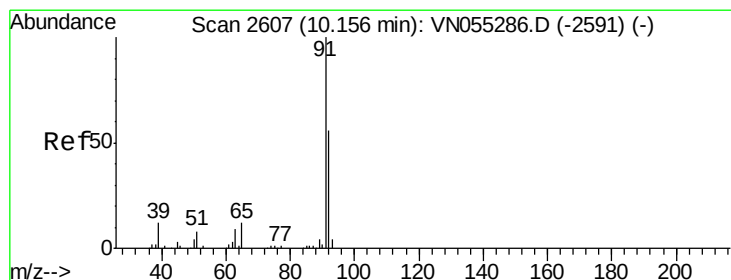
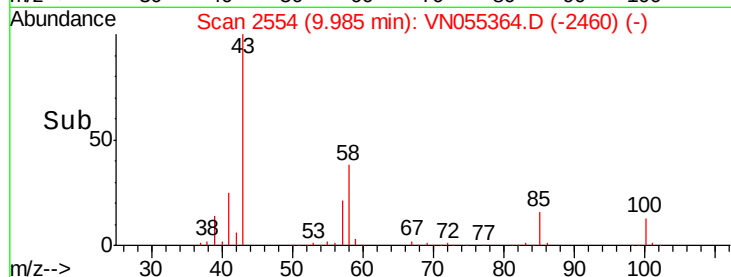
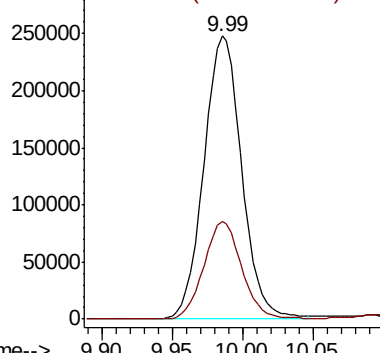
43 100

58 34.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.052 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055364.D

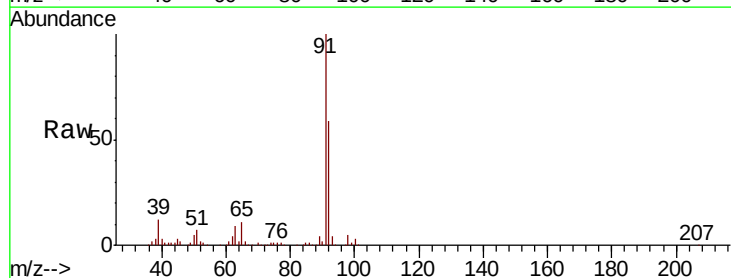
Acq: 2 May 2019 22:12

Tgt Ion: 92 Resp: 205521

Ion Ratio Lower Upper

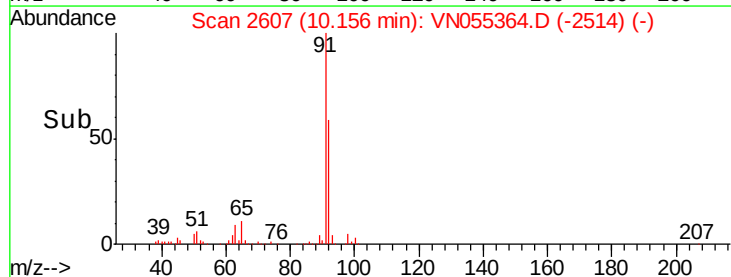
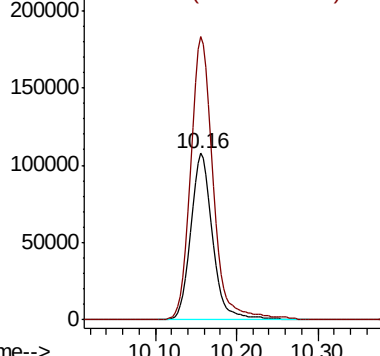
92 100

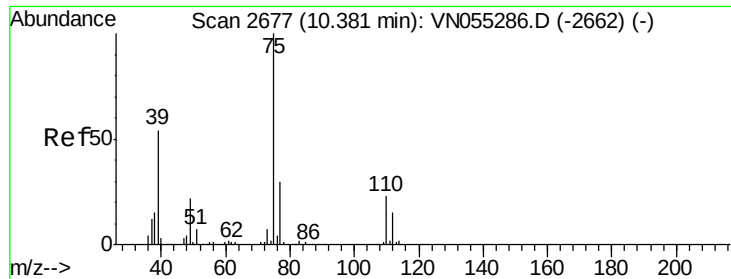
91 174.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.540 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

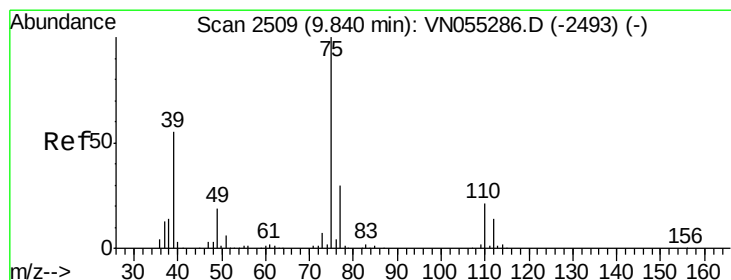
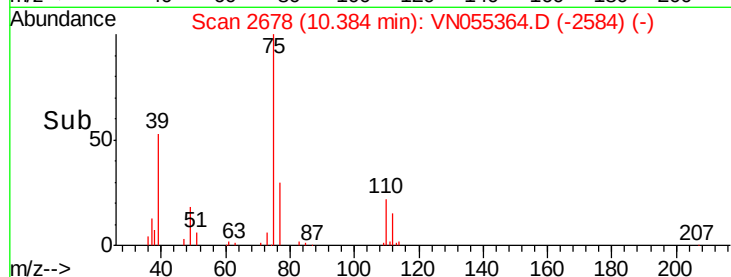
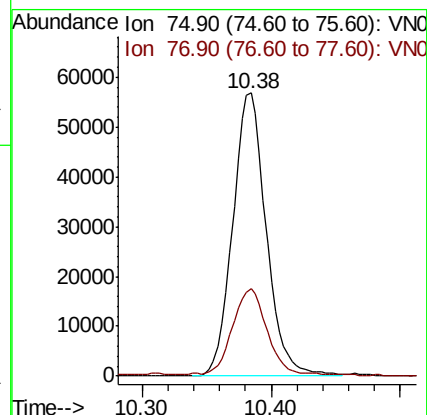
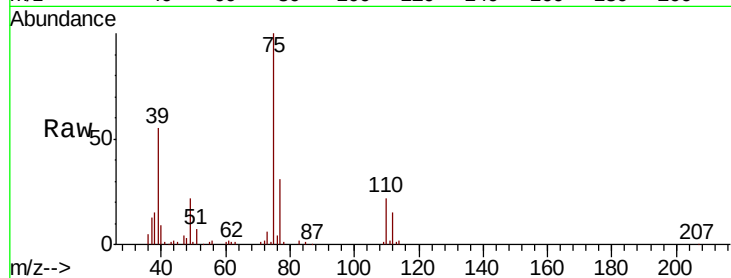
VN0502MBS02

Tot Ion: 75 Resp: 102484

Ion Ratio Lower Upper

75 100

77 30.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.730 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

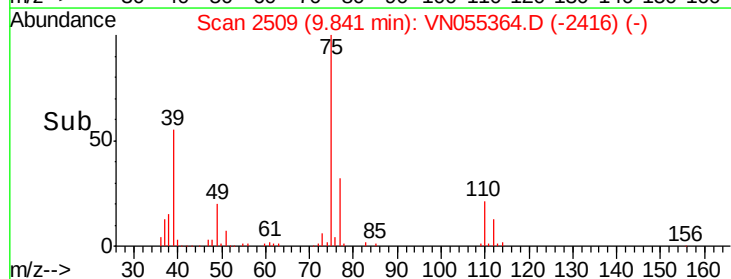
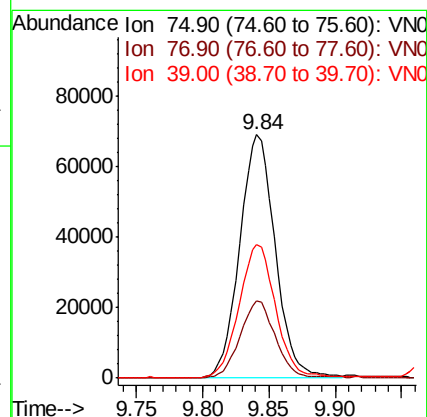
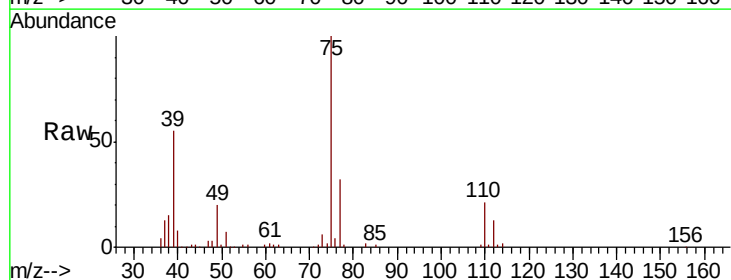
Tgt Ion: 75 Resp: 129015

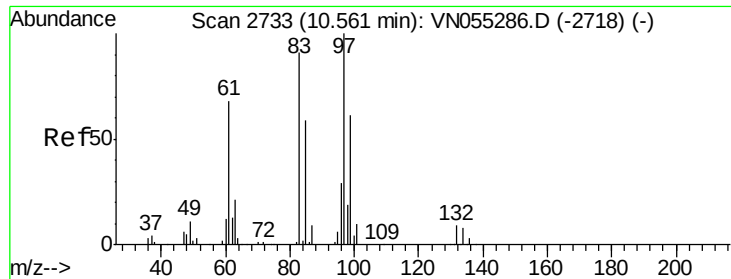
Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.2

39 55.0 44.2 66.2

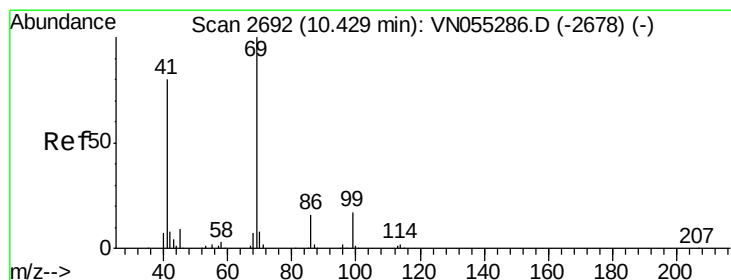
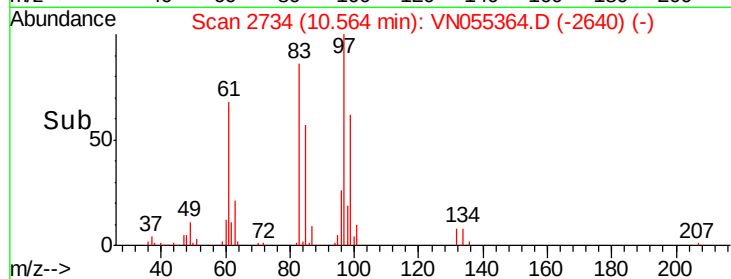
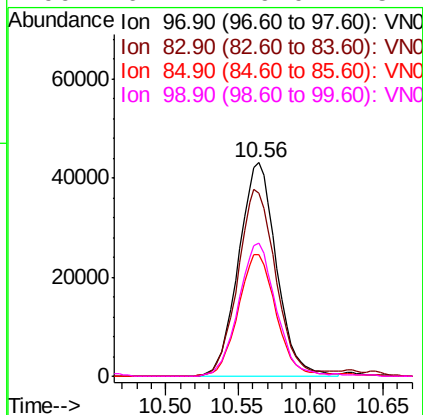
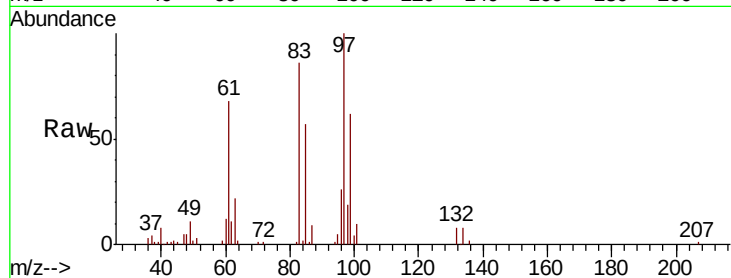




#55
 1,1,2-Trichloroethane
 Concen: 20.590 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

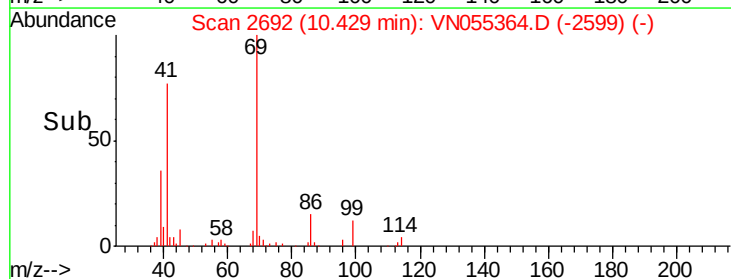
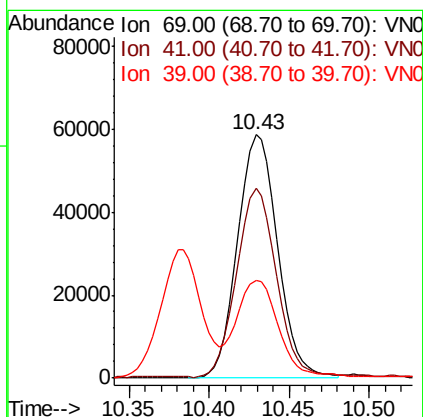
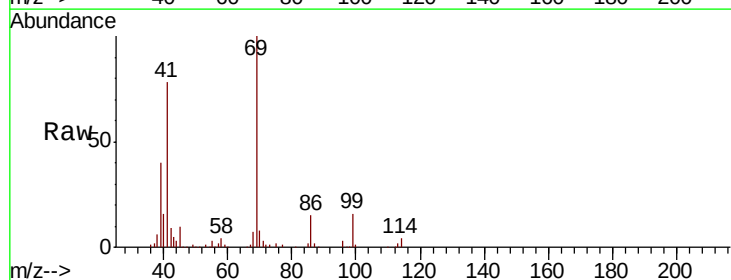
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

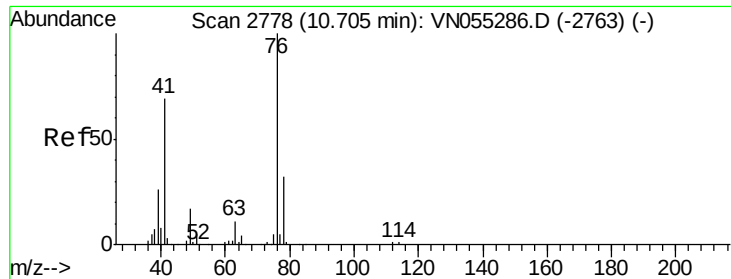
Tot Ion: 97 Resp: 78366
 Ion Ratio Lower Upper
 97 100
 83 85.5 72.8 109.2
 85 56.8 47.0 70.6
 99 62.1 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 21.464 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 69 Resp: 100551
 Ion Ratio Lower Upper
 69 100
 41 76.9 62.7 94.1
 39 41.6 32.0 48.0





#57

1,3-Dichloropropane

Concen: 20.560 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

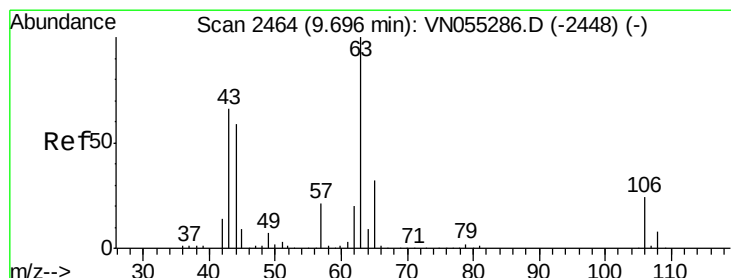
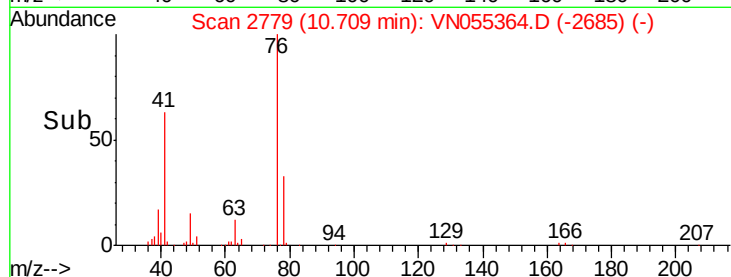
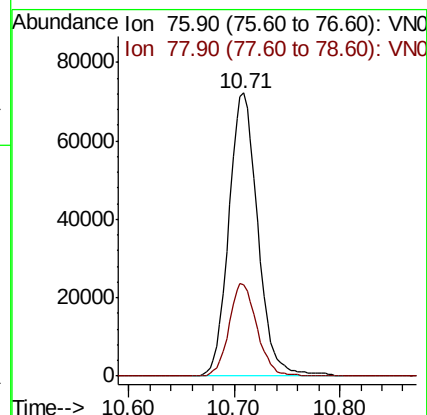
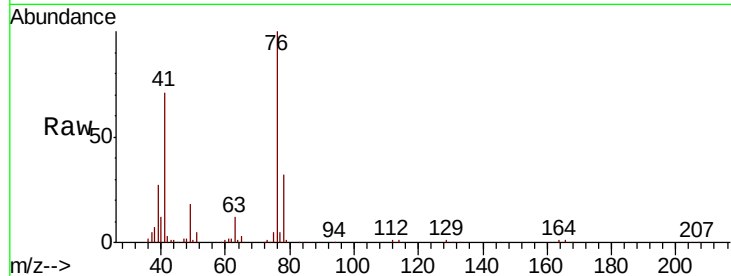
VN0502MBS02

Tot Ion: 76 Resp: 137280

Ion Ratio Lower Upper

76 100

78 31.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 89.591 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055364.D

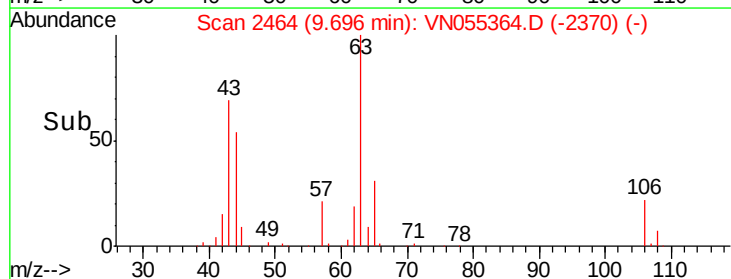
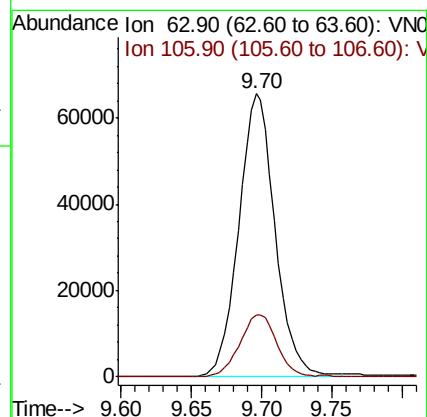
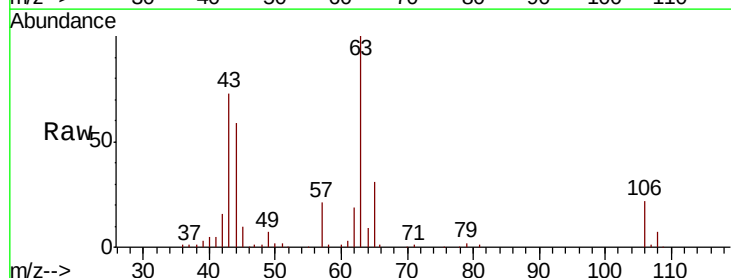
Acq: 2 May 2019 22:12

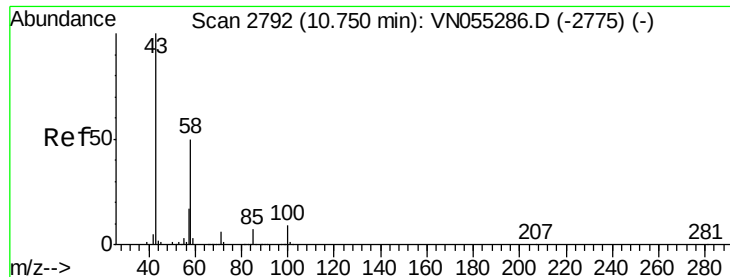
Tgt Ion: 63 Resp: 118079

Ion Ratio Lower Upper

63 100

106 22.4 19.0 28.4

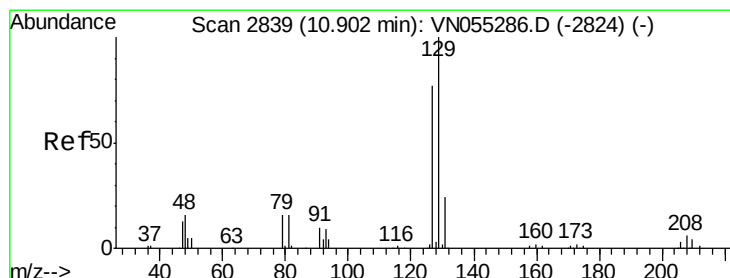
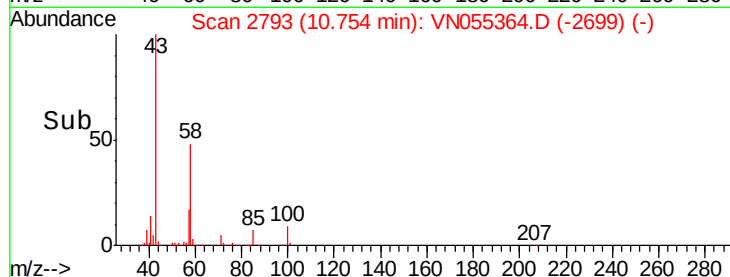
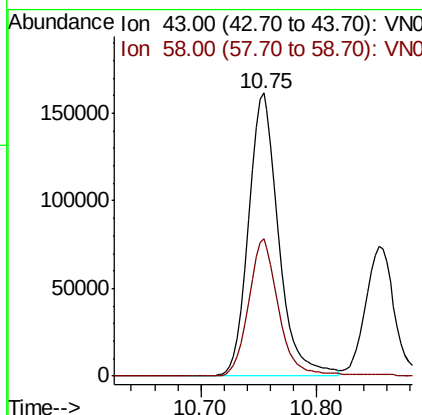
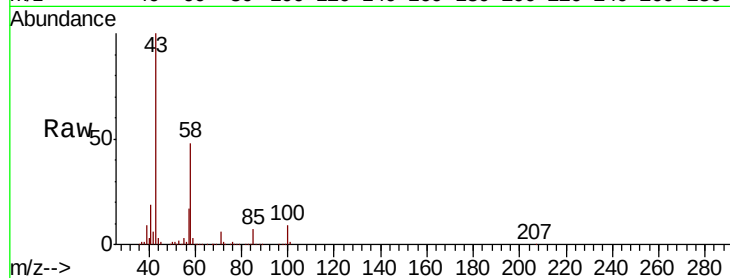




#59
2-Hexanone
Concen: 110.908 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

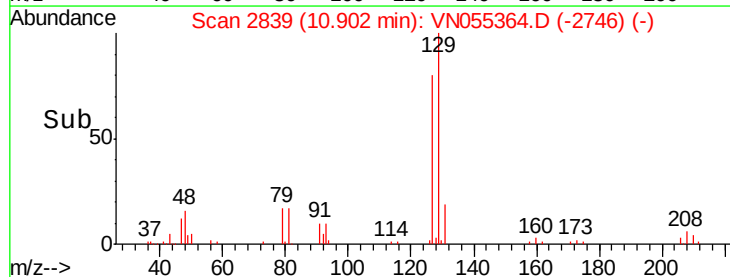
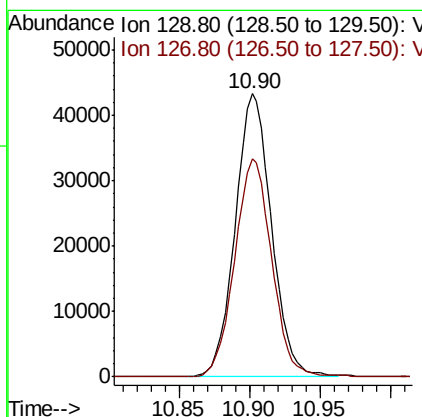
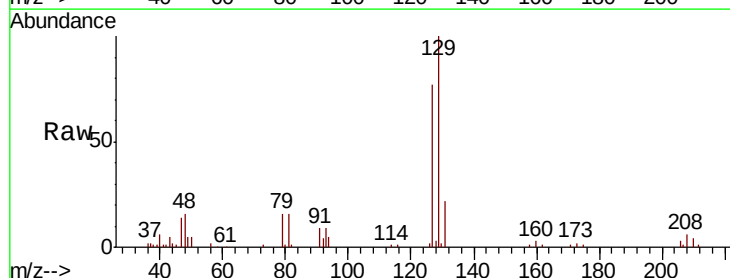
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

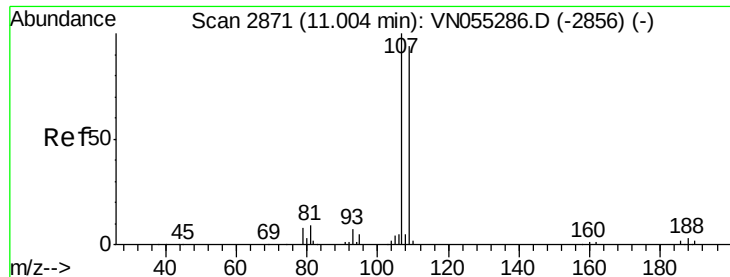
Tot Ion: 43 Resp: 291598
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 20.082 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 129 Resp: 78117
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.625 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

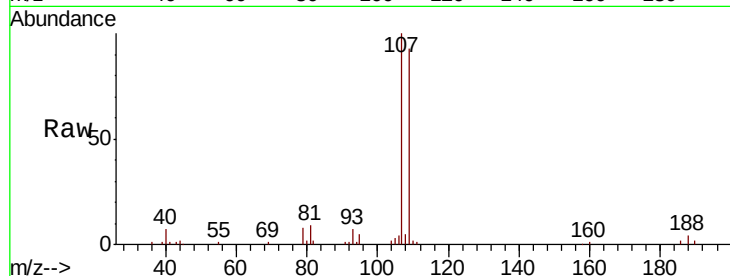
VN0502MBS02

Tot Ion:107 Resp: 72557

Ion Ratio Lower Upper

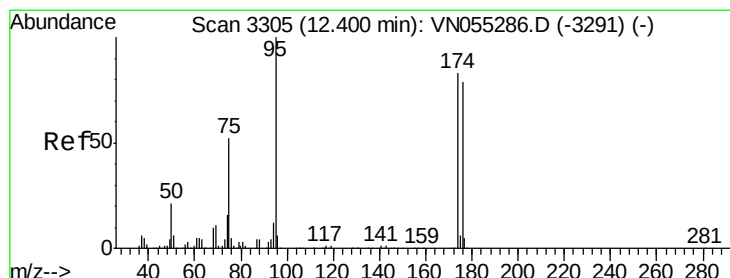
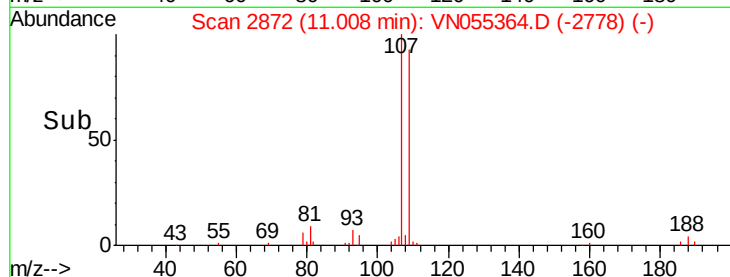
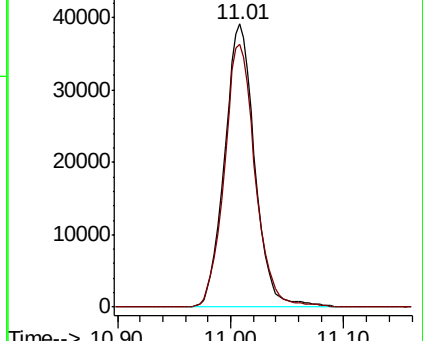
107 100

109 94.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

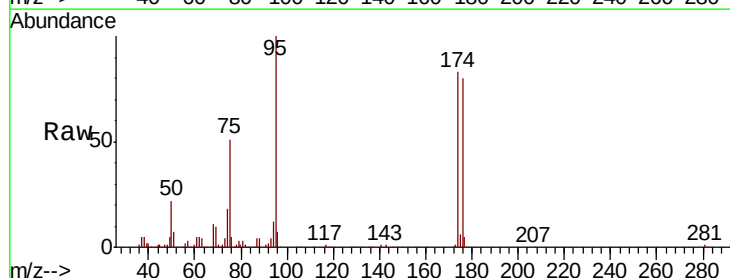
Tgt Ion: 95 Resp: 237544

Ion Ratio Lower Upper

95 100

174 82.1 0.0 166.6

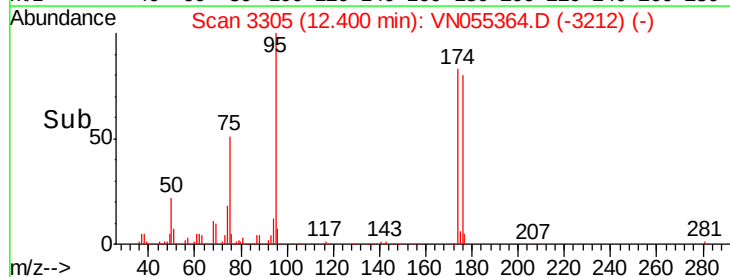
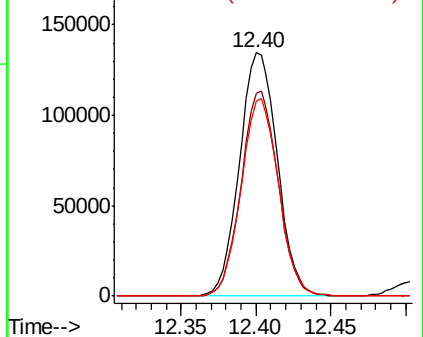
176 80.1 0.0 157.8

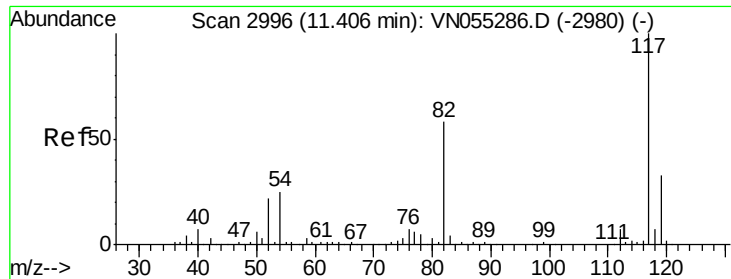


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

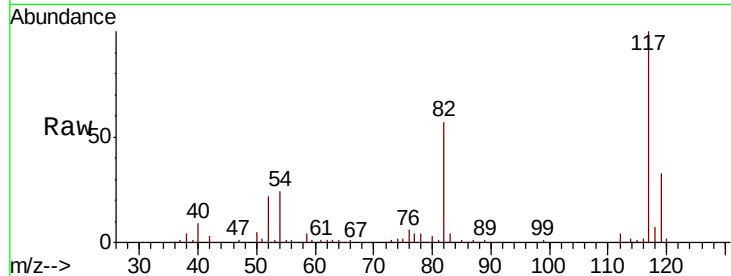




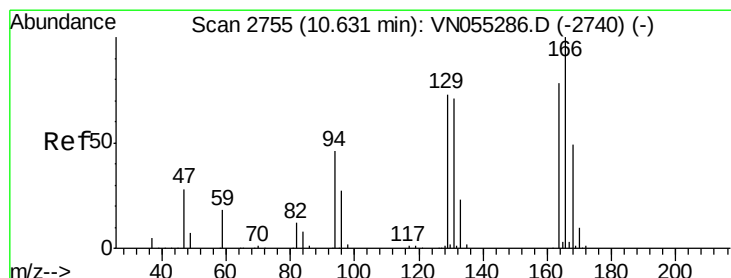
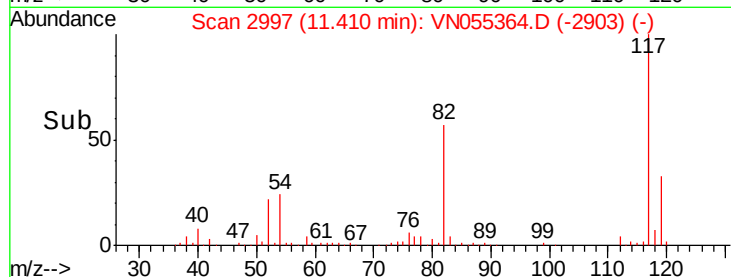
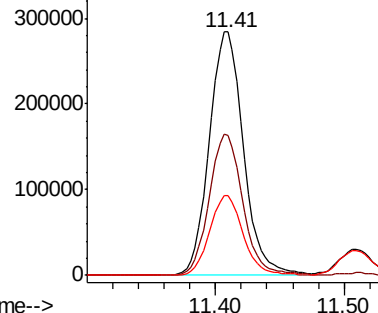
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

Tot Ion:117 Resp: 525094
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.6 26.6 40.0

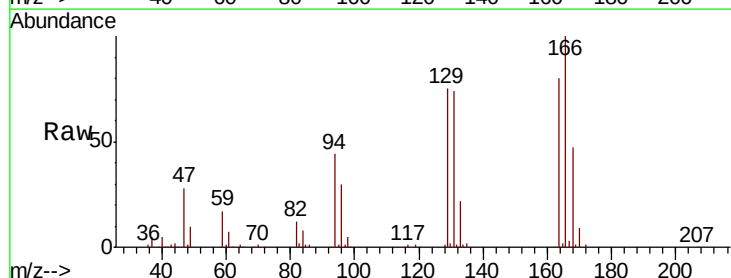


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

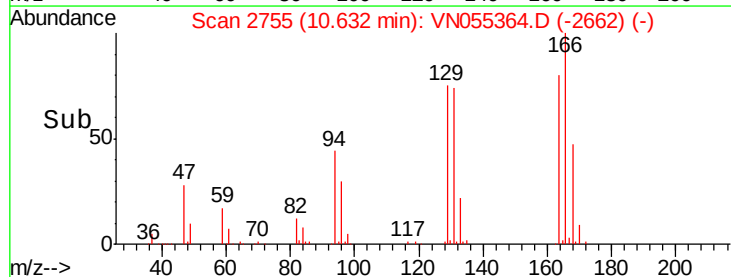
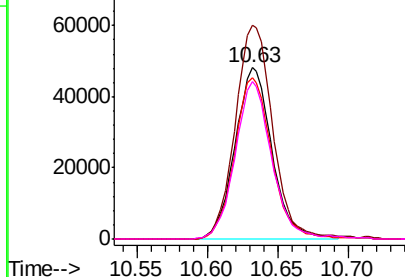


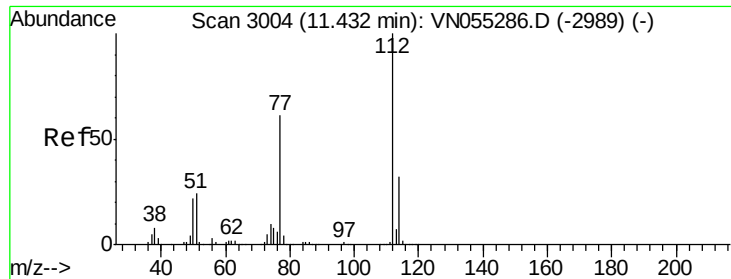
#64
Tetrachloroethene
Concen: 20.631 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion:164 Resp: 88593
Ion Ratio Lower Upper
164 100
166 124.7 102.3 153.5
129 94.1 75.0 112.6
131 92.0 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

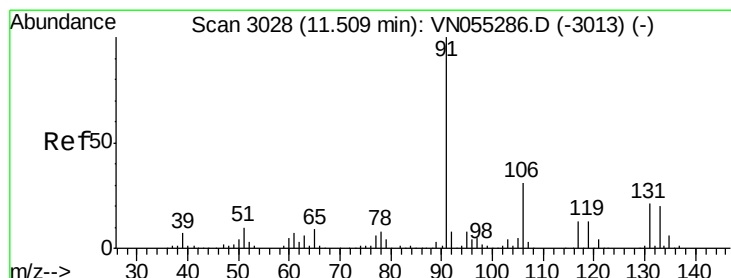
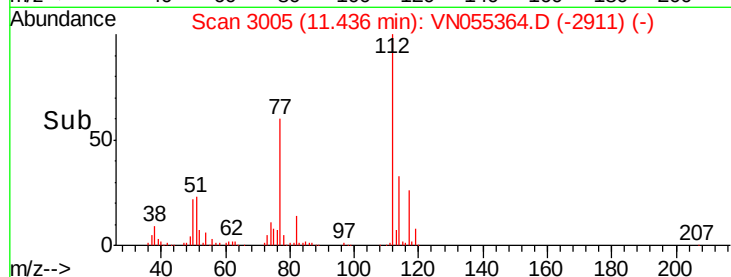
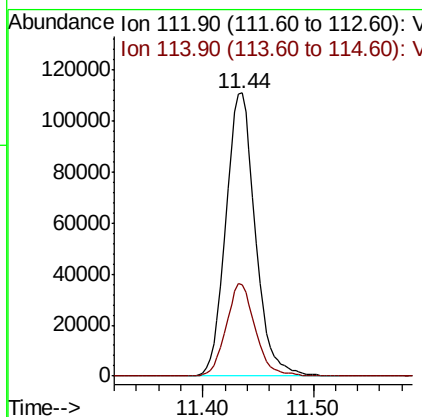
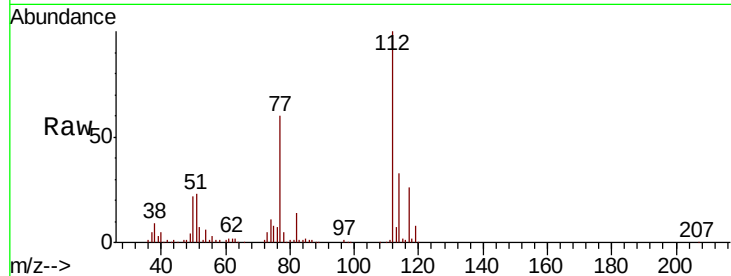




#65
Chlorobenzene
Concen: 19.993 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

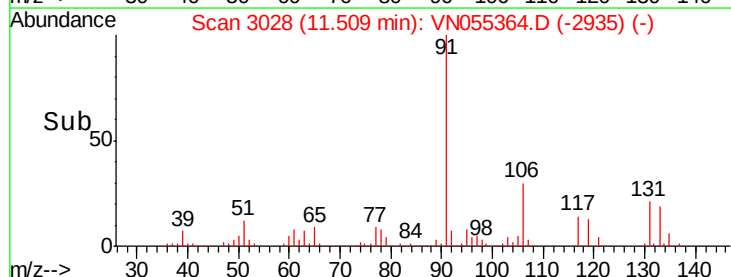
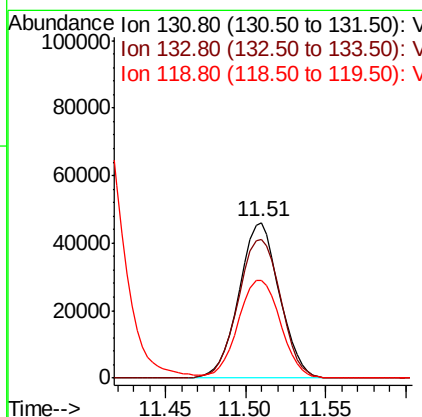
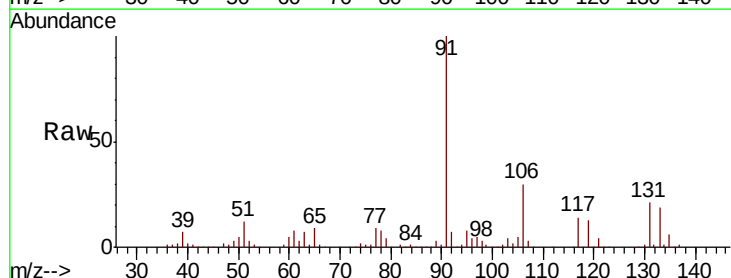
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

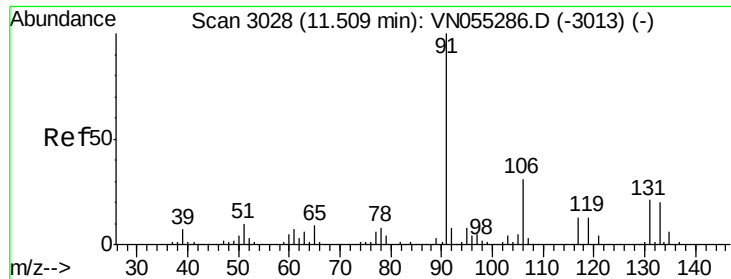
Tot Ion:112 Resp: 205256
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.771 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion:131 Resp: 79480
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.3 32.7 98.1

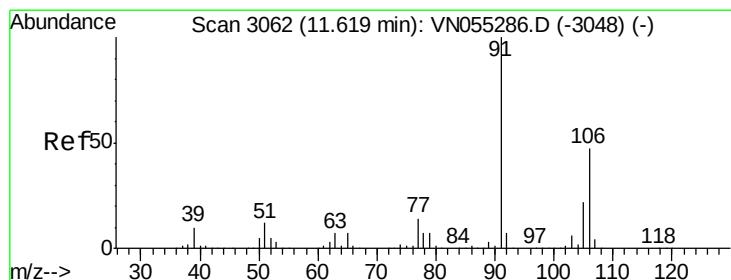
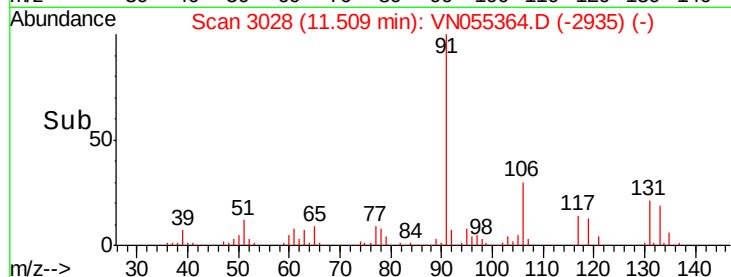
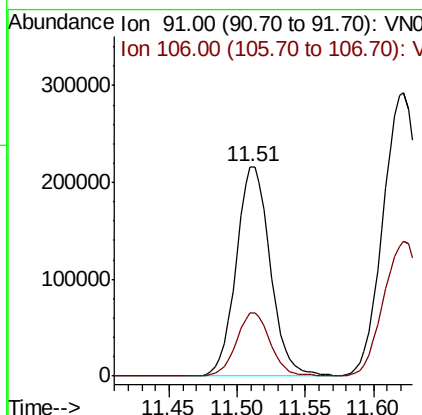
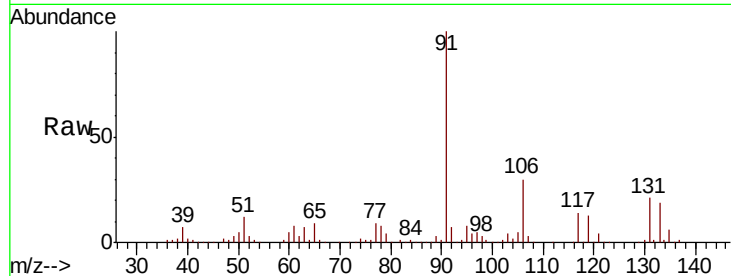




#67
Ethyl Benzene
Concen: 20.237 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

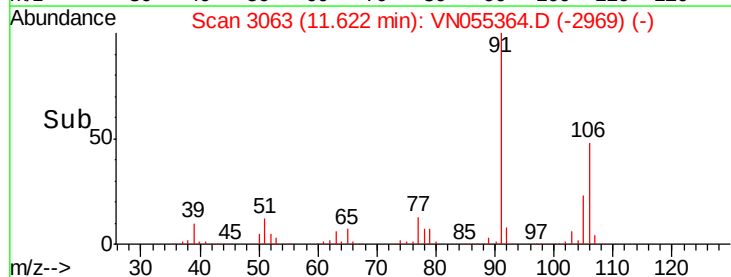
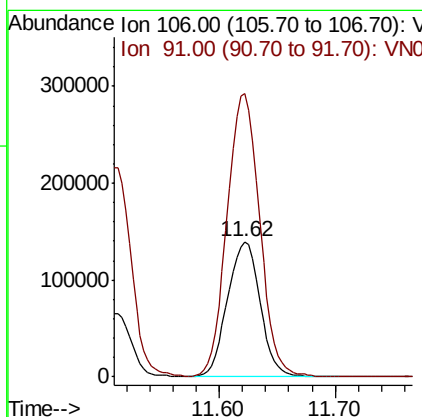
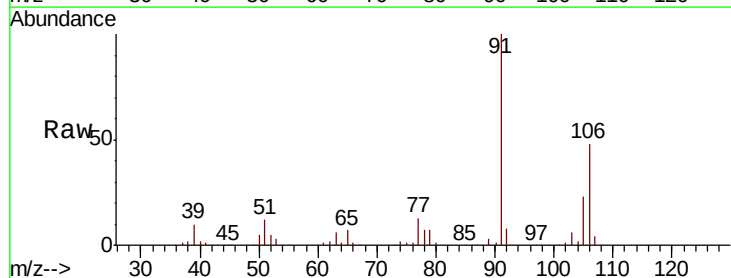
Instrument :
MSVOA_N
ClientSampled :
VN0502MBS02

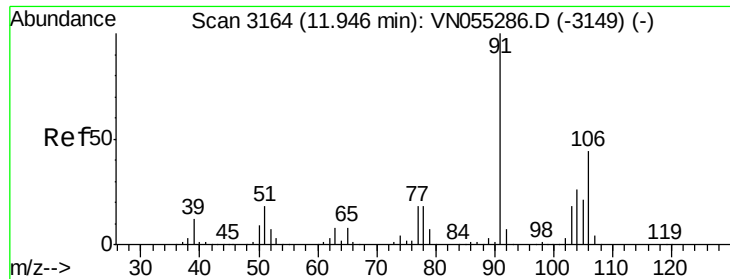
Tot Ion: 91 Resp: 375161
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 41.135 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion: 106 Resp: 272206
Ion Ratio Lower Upper
106 100
91 209.2 169.5 254.3

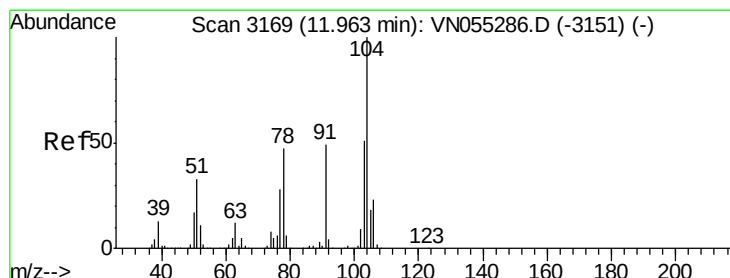
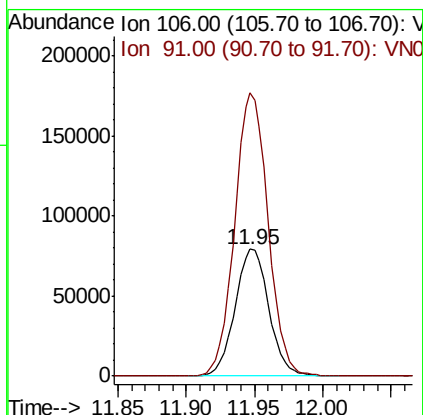
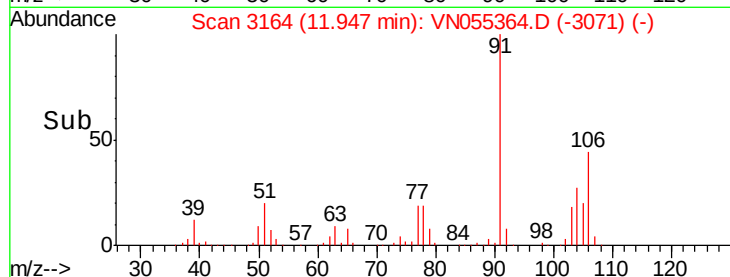
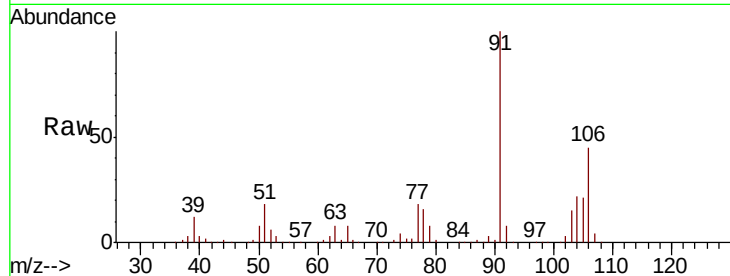




#69
o-Xylene
Concen: 20.688 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

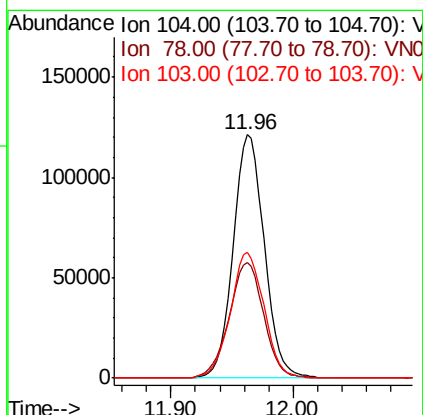
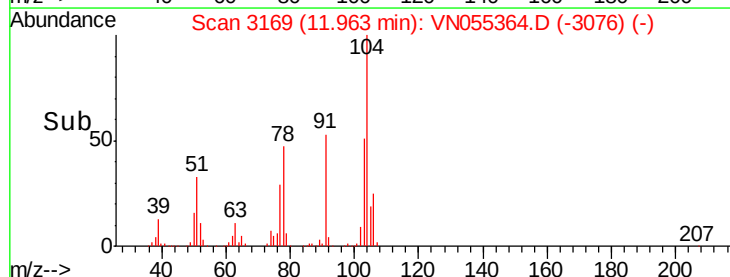
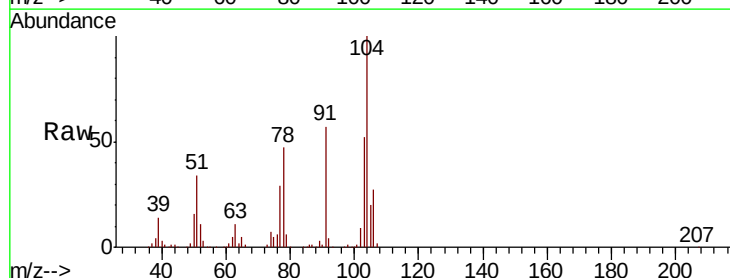
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

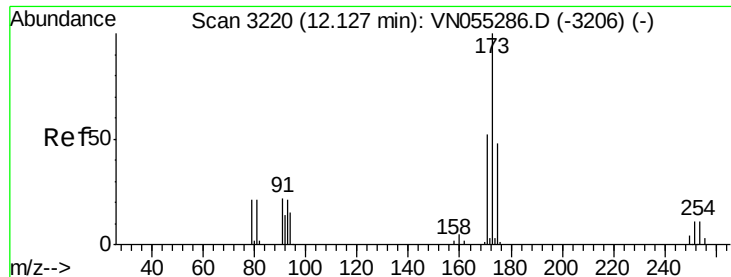
Tot Ion:106 Resp: 135693
Ion Ratio Lower Upper
106 100
91 220.8 111.5 334.5



#70
Styrene
Concen: 21.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion:104 Resp: 214600
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.2
103 56.1 44.6 67.0

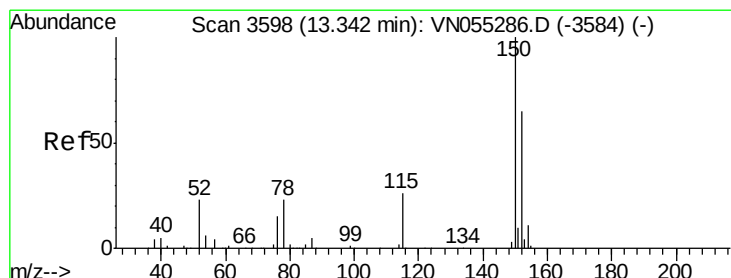
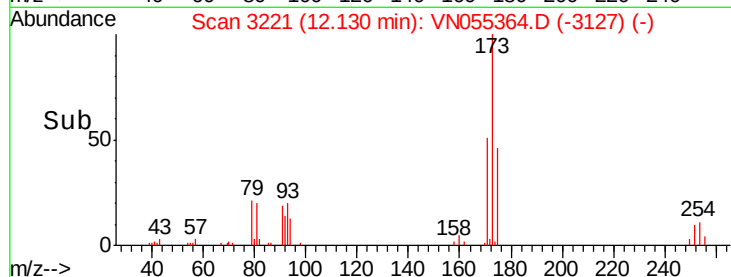
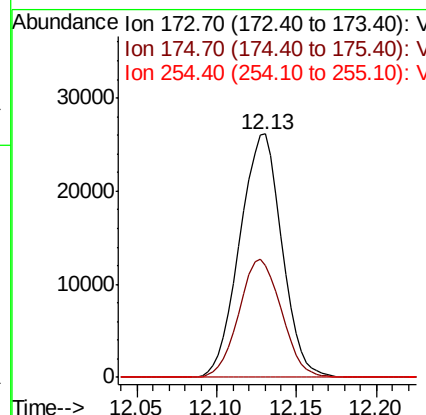
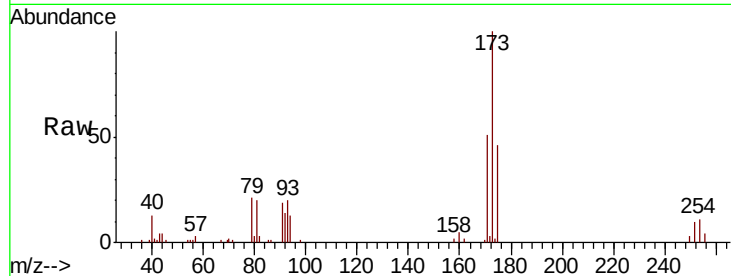




#71
Bromoform
Concen: 21.144 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

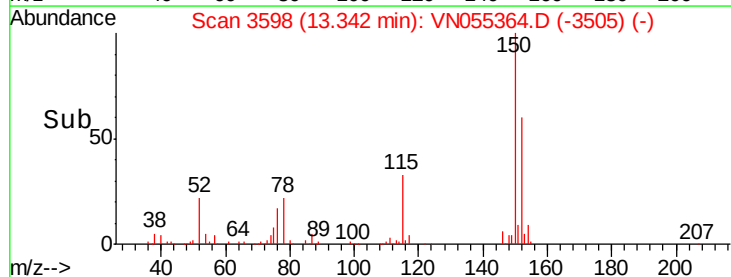
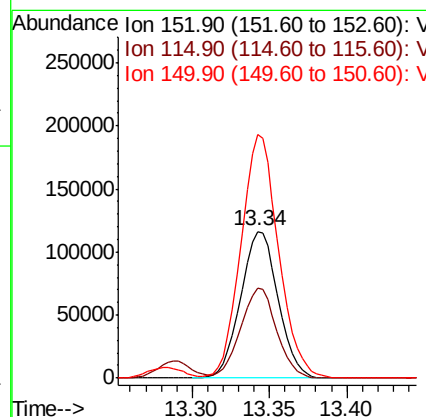
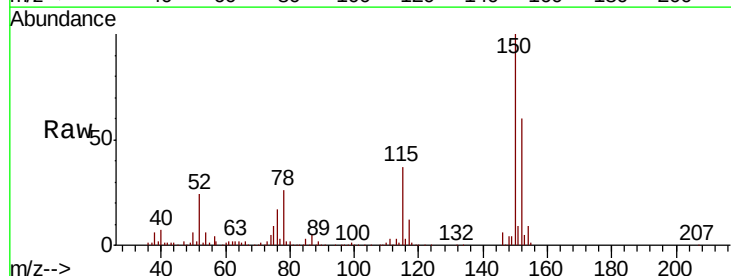
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS02

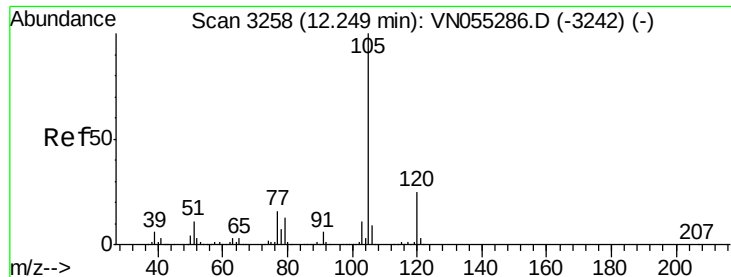
Tot Ion:173 Resp: 47165
Ion Ratio Lower Upper
173 100
175 48.6 23.6 71.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055364.D
Acq: 2 May 2019 22:12

Tgt Ion:152 Resp: 195045
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 166.5 0.0 345.6





#73

Isopropylbenzene

Concen: 21.220 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

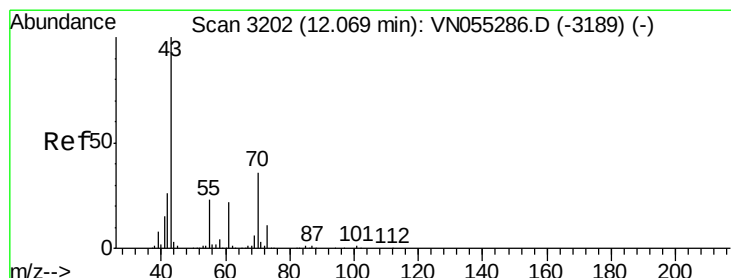
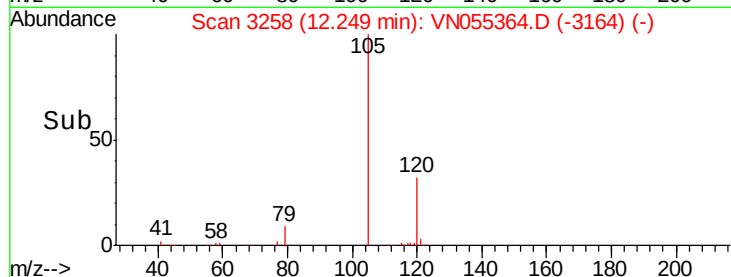
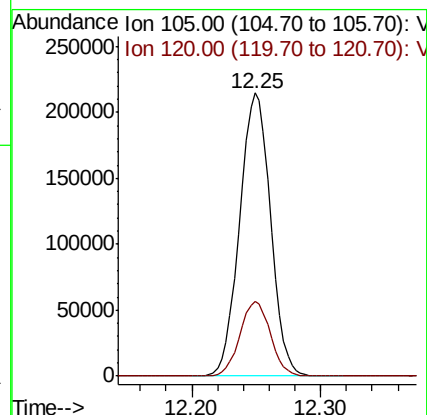
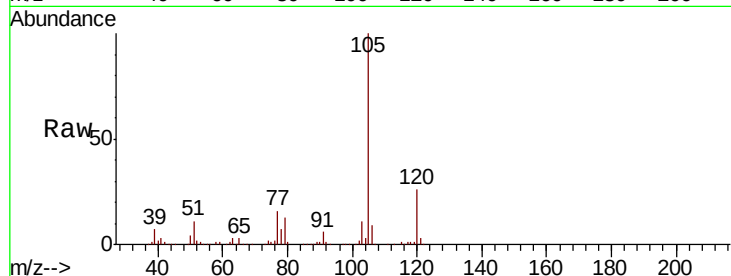
VN0502MBS02

Tot Ion:105 Resp: 357568

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 22.055 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Tgt Ion: 43 Resp: 110399

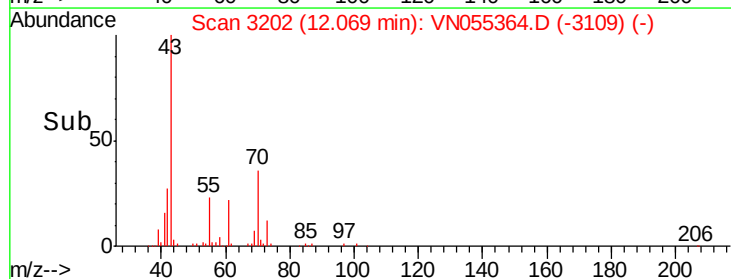
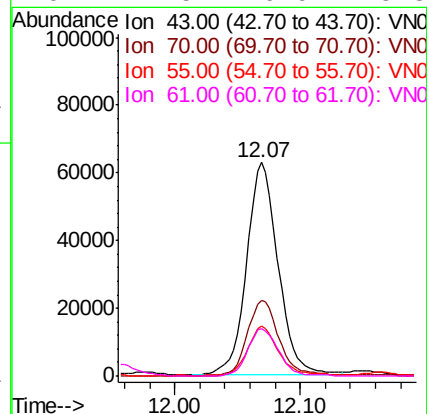
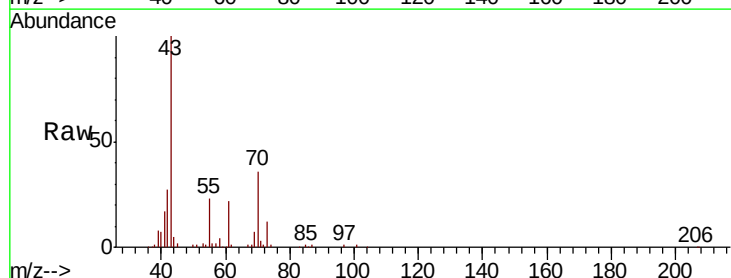
Ion Ratio Lower Upper

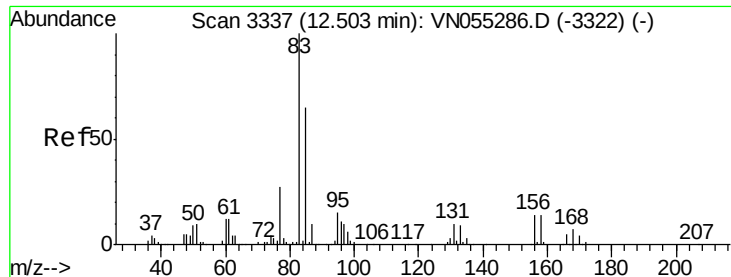
43 100

70 35.7 27.9 41.9

55 23.5 18.2 27.2

61 21.5 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.757 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

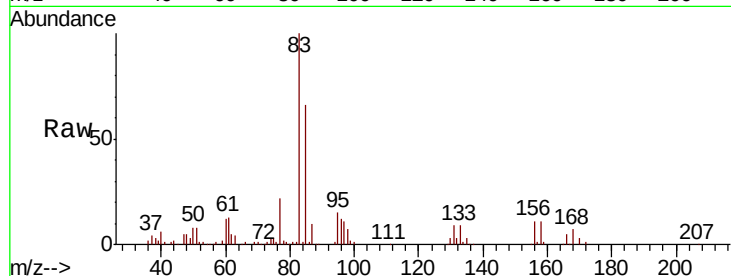
Tot Ion: 83 Resp: 94639

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

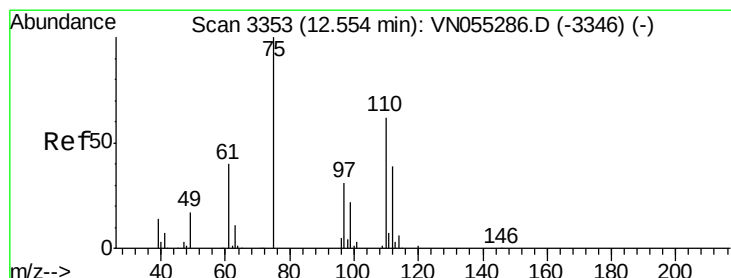
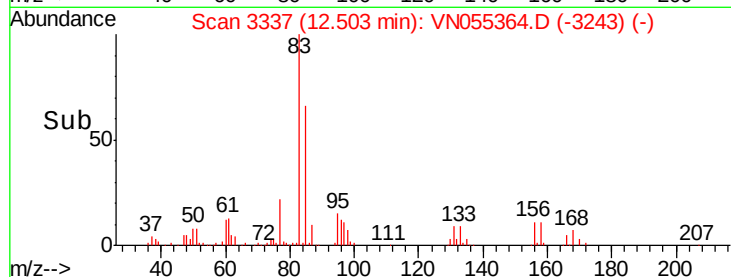
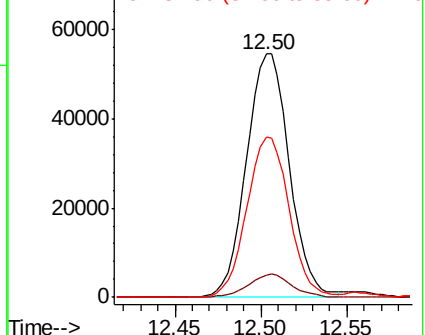
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.491 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055364.D

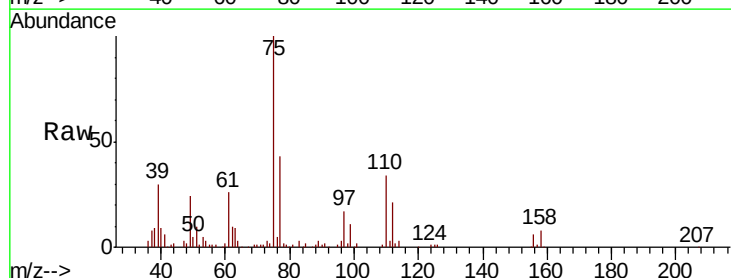
Acq: 2 May 2019 22:12

Tgt Ion: 75 Resp: 110662

Ion Ratio Lower Upper

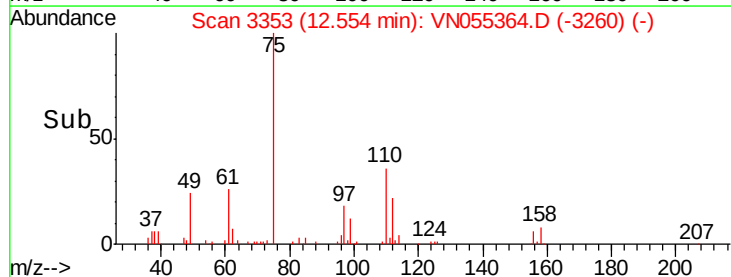
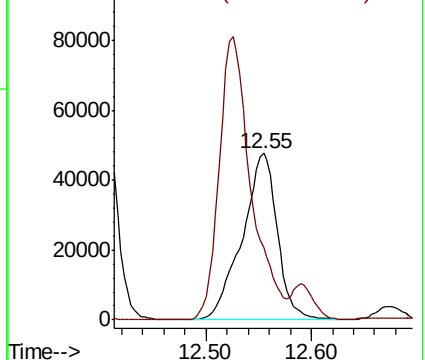
75 100

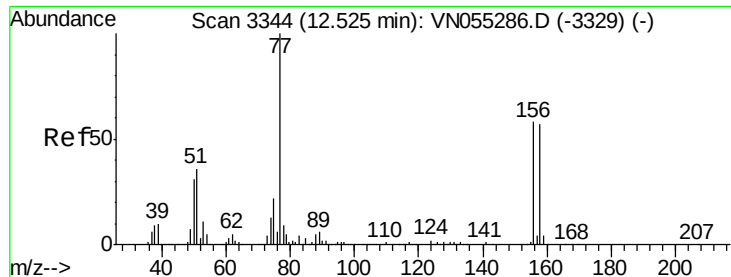
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.153 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS02

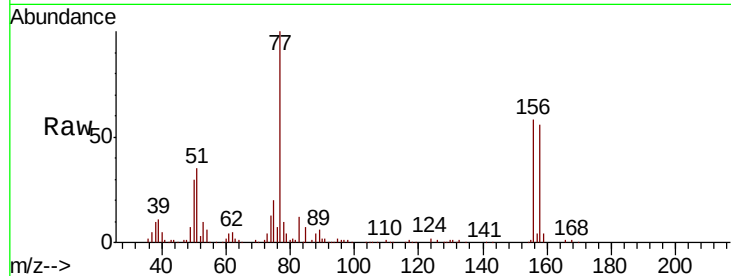
Tot Ion:156 Resp: 83440

Ion Ratio Lower Upper

156 100

77 204.1 99.6 298.8

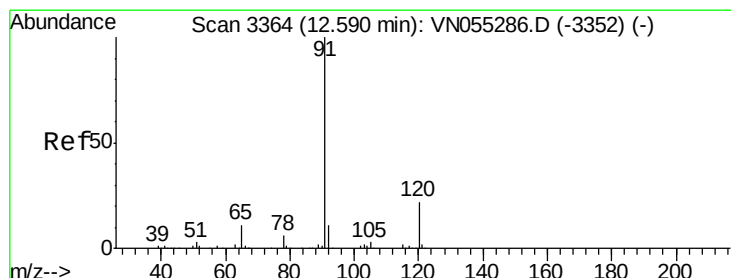
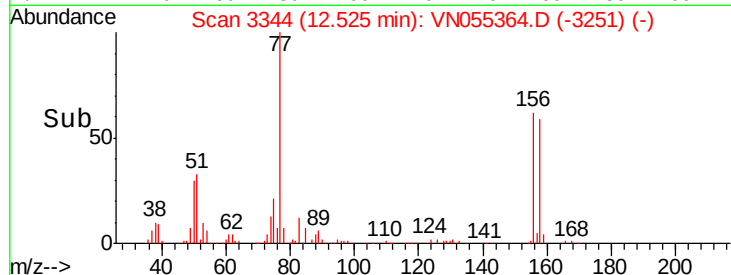
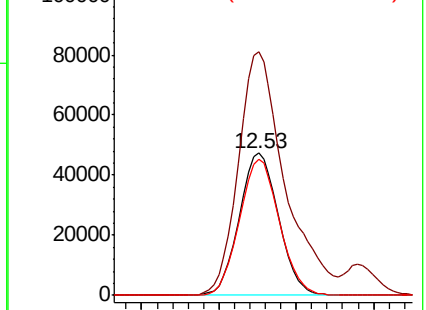
158 97.6 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.145 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055364.D

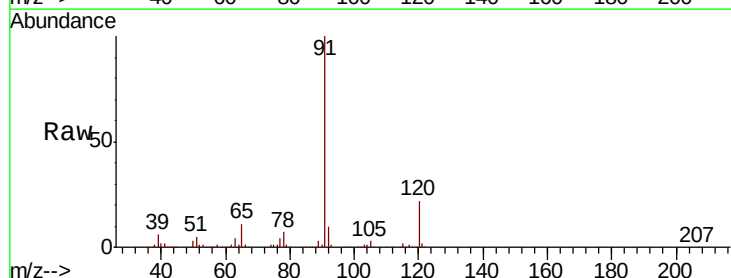
Acq: 2 May 2019 22:12

Tgt Ion: 91 Resp: 383583

Ion Ratio Lower Upper

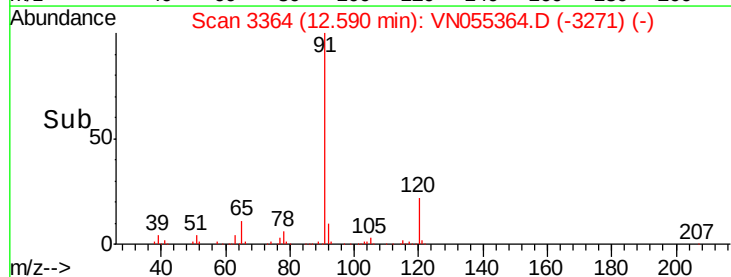
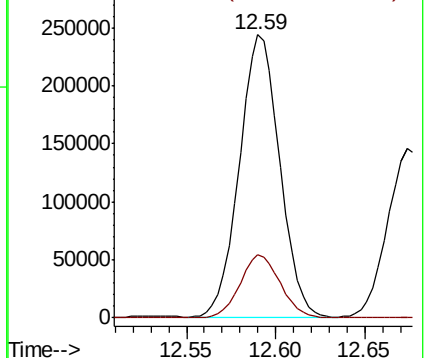
91 100

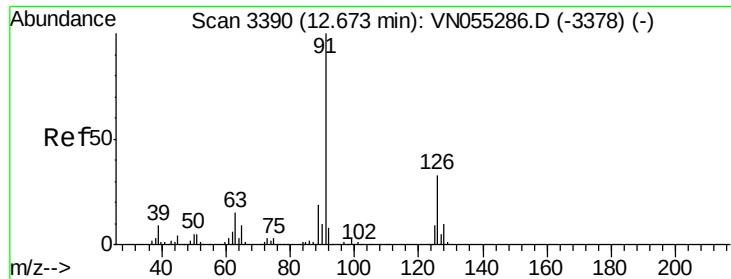
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.425 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

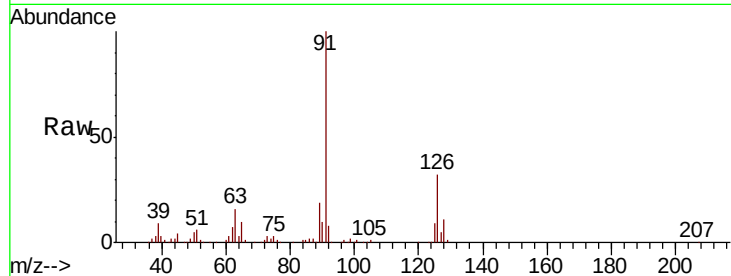
VN0502MBS02

Tot Ion: 91 Resp: 242554

Ion Ratio Lower Upper

91 100

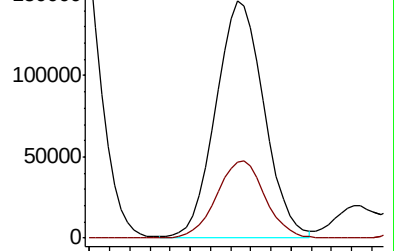
126 32.9 16.6 49.7



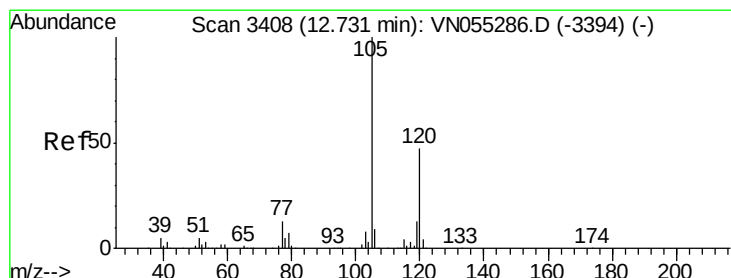
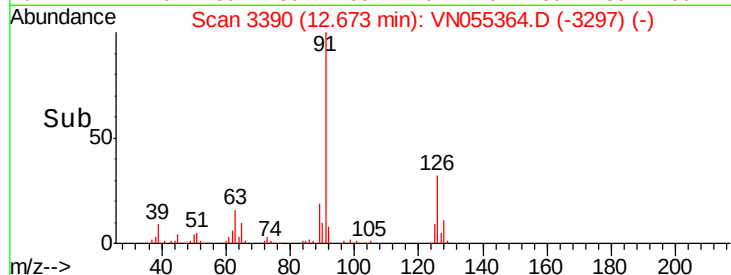
Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

12.67



Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.651 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055364.D

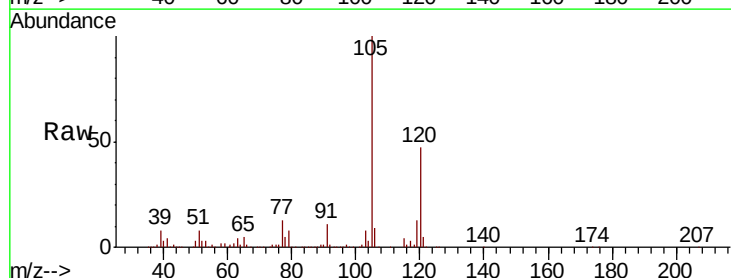
Acq: 2 May 2019 22:12

Tgt Ion:105 Resp: 300479

Ion Ratio Lower Upper

105 100

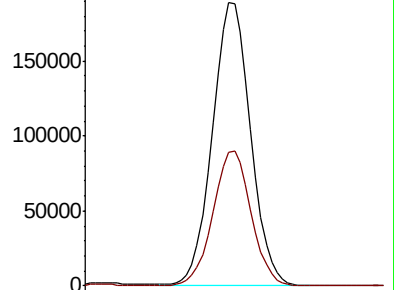
120 48.0 23.4 70.0



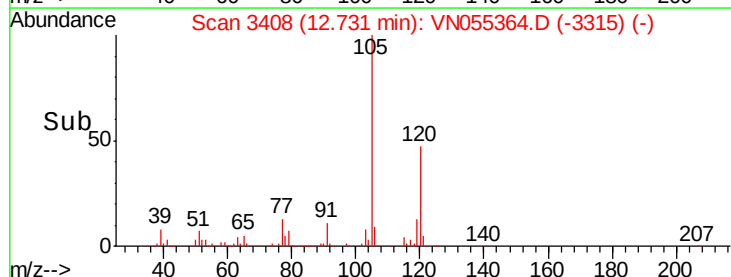
Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

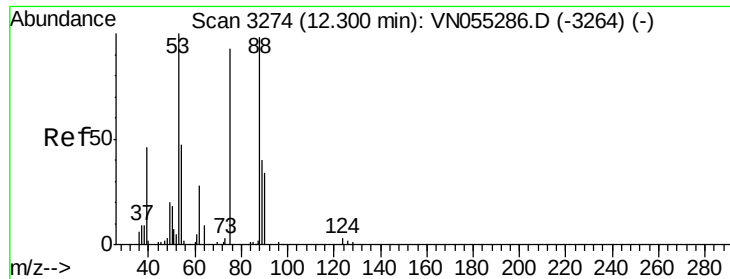
Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)

12.73



Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 18.279 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

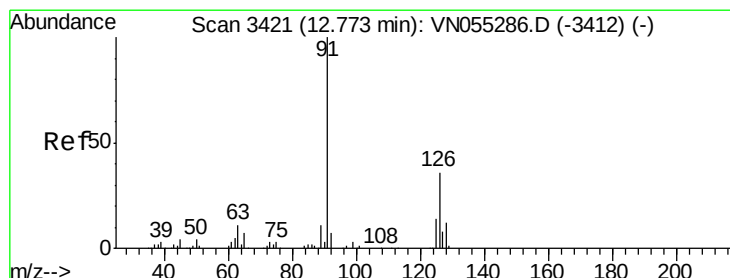
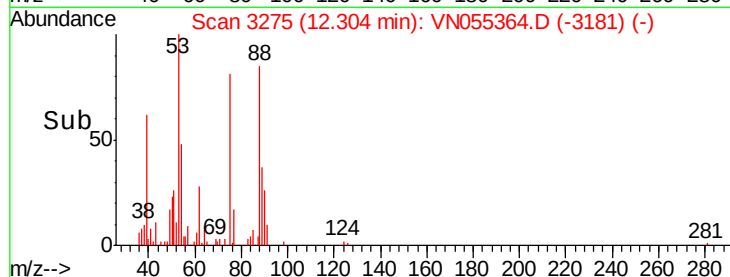
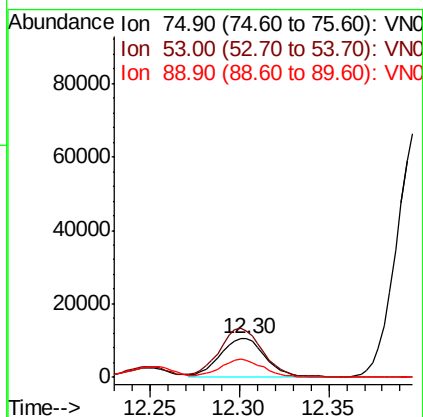
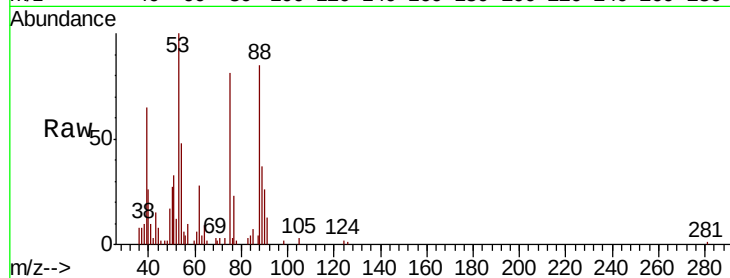
Tot Ion: 75 Resp: 18813

Ion Ratio Lower Upper

75 100

53 122.9 86.3 129.5

89 43.9 34.6 51.8



#82

4-Chlorotoluene

Concen: 19.558 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055364.D

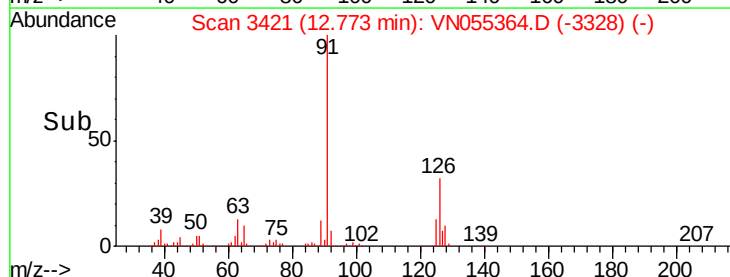
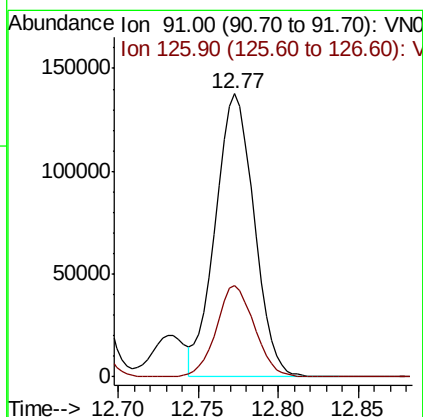
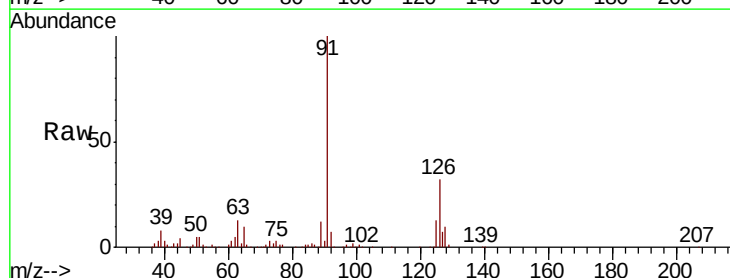
Acq: 2 May 2019 22:12

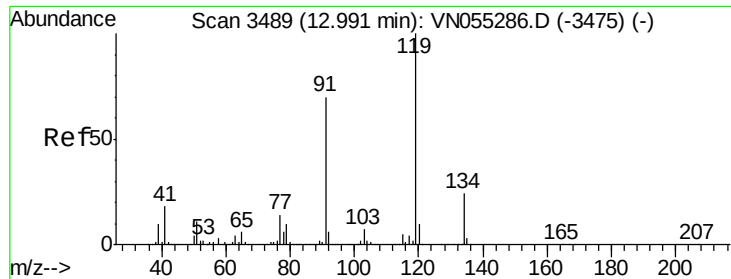
Tgt Ion: 91 Resp: 227832

Ion Ratio Lower Upper

91 100

126 31.8 16.6 49.7

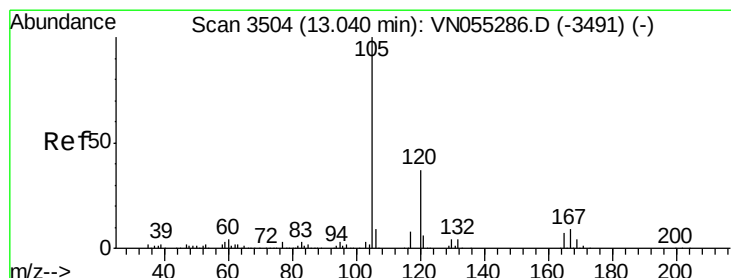
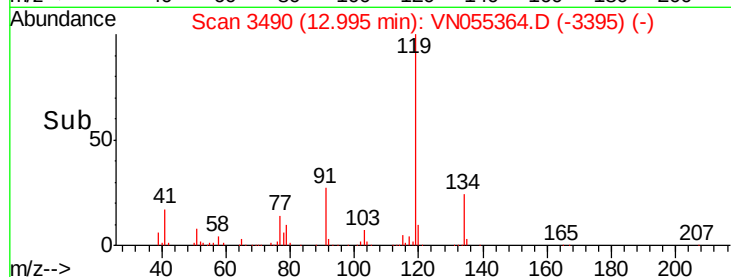
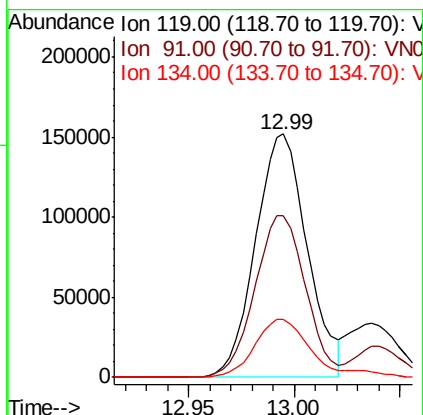
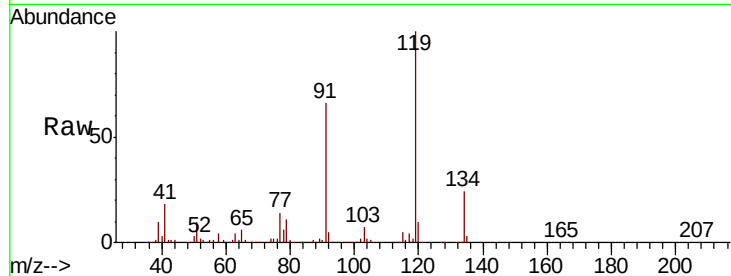




#83
 tert-Butylbenzene
 Concen: 22.317 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

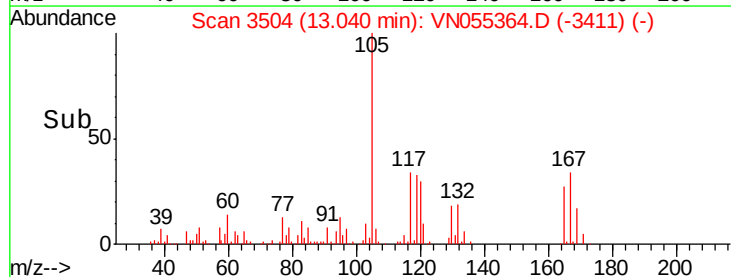
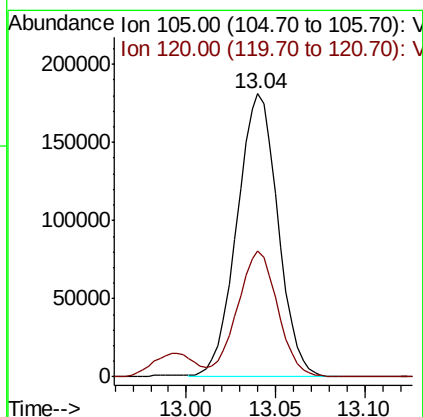
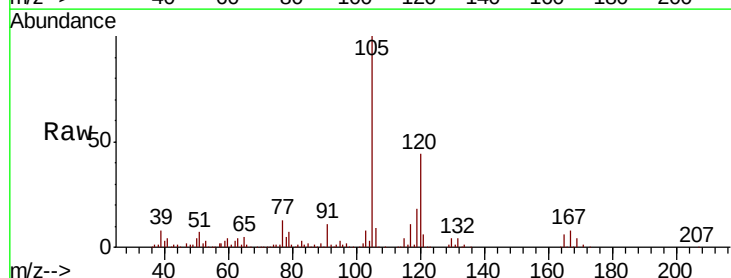
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

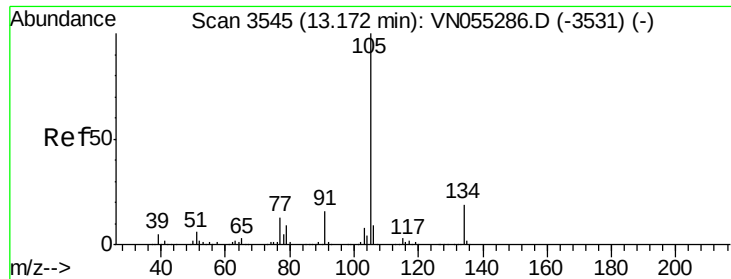
Tot Ion:119 Resp: 258977
 Ion Ratio Lower Upper
 119 100
 91 65.3 34.3 102.9
 134 26.3 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.056 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion:105 Resp: 287945
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.214 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

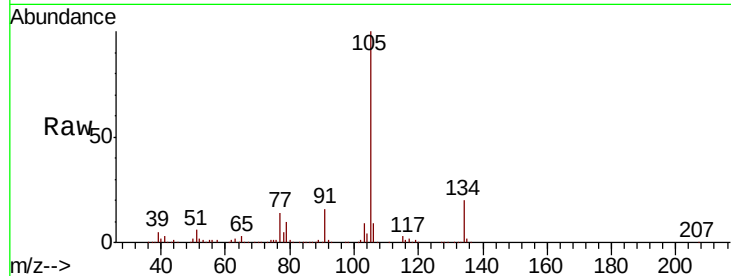
VN0502MBS02

Tot Ion:105 Resp: 319330

Ion Ratio Lower Upper

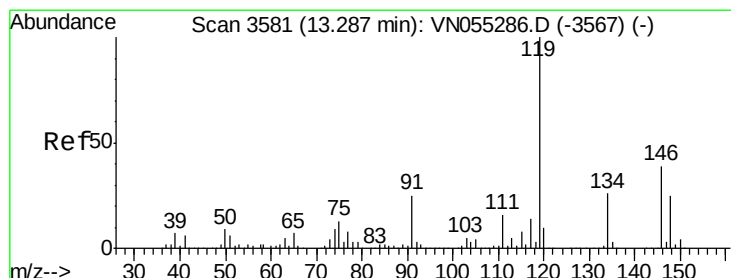
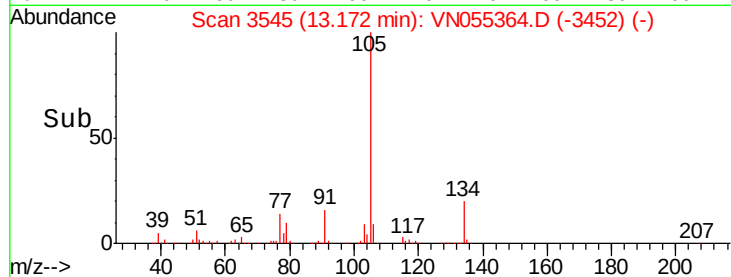
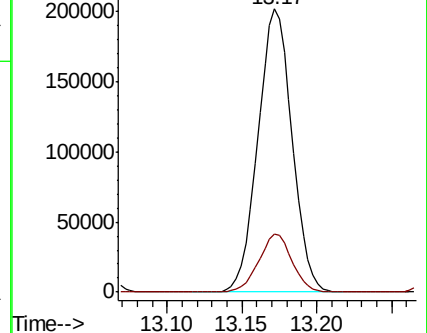
105 100

134 20.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.918 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

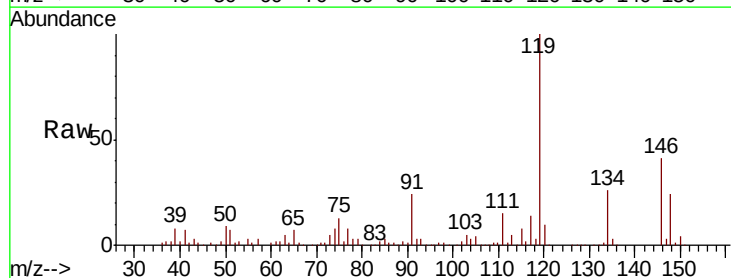
Tgt Ion:119 Resp: 272086

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

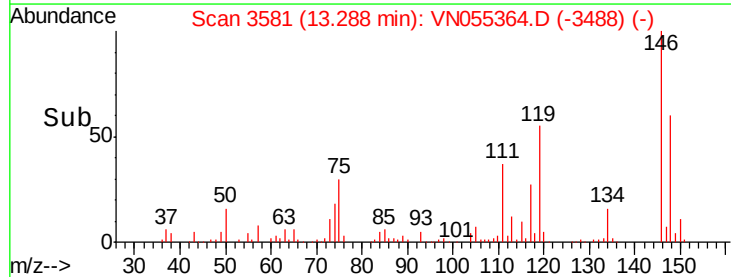
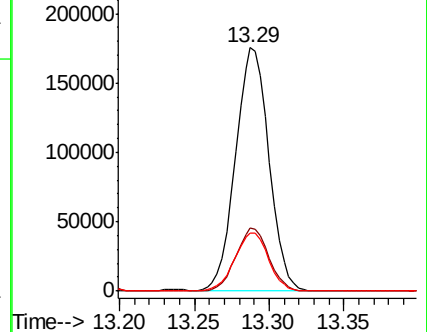
91 23.8 12.2 36.6

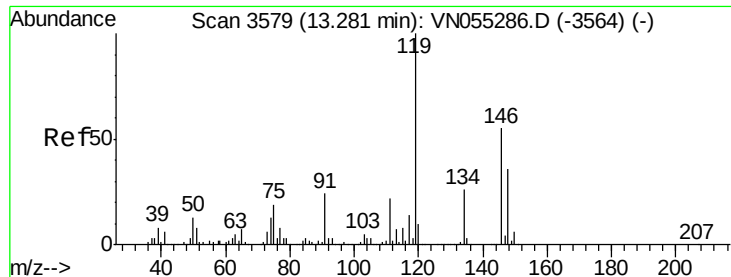


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.075 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS02

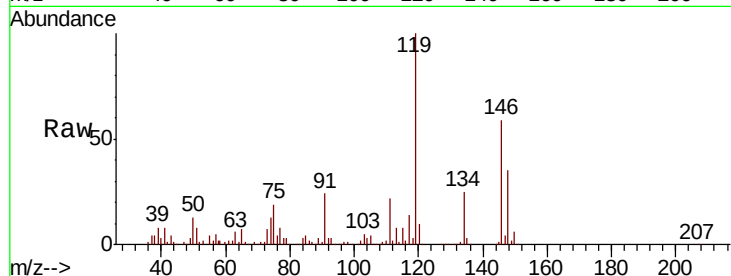
Tot Ion:146 Resp: 131024

Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.8

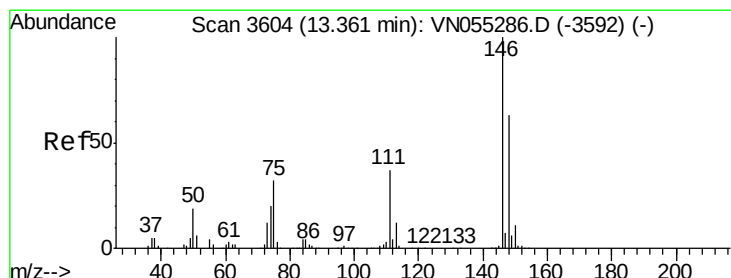
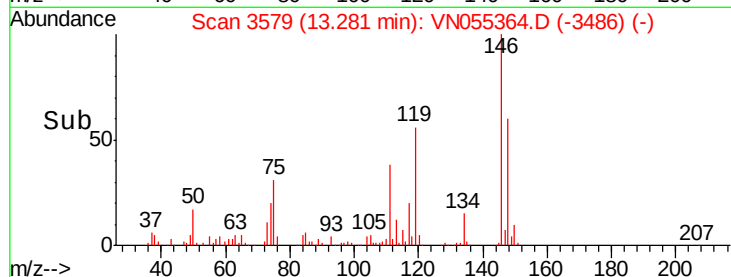
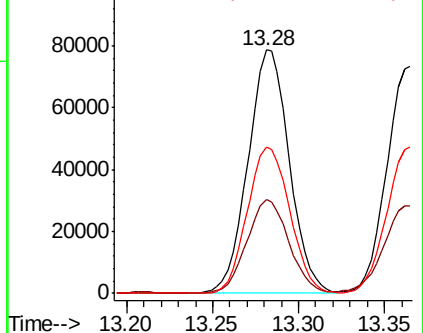
148 61.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.029 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

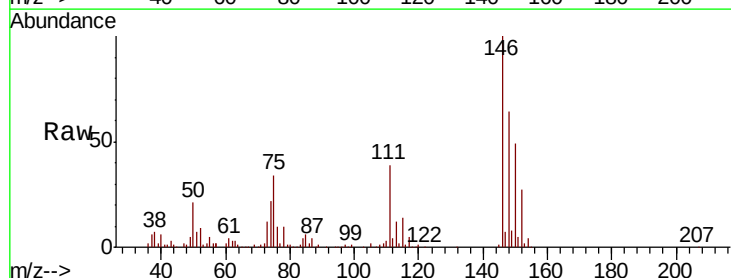
Tgt Ion:146 Resp: 123103

Ion Ratio Lower Upper

146 100

111 41.4 19.5 58.5

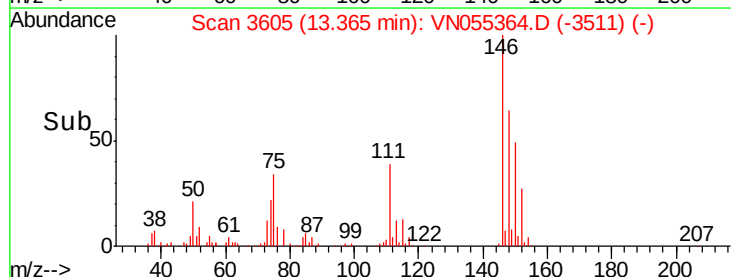
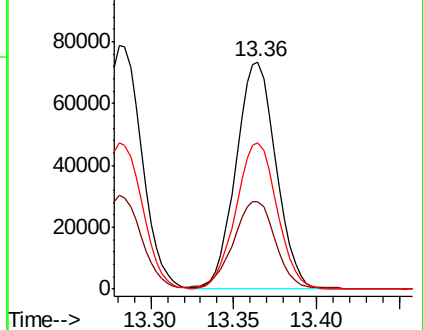
148 66.0 32.5 97.4

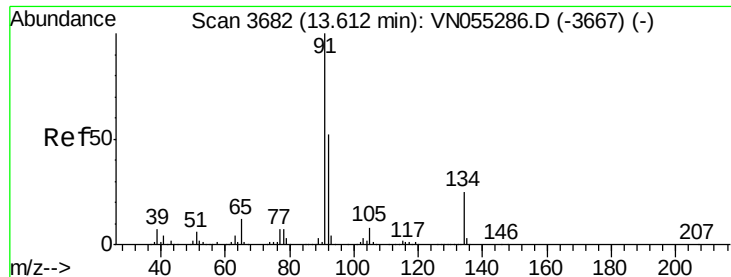


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.786 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

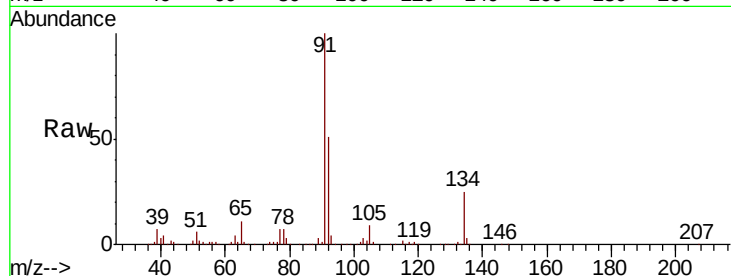
Tot Ion: 91 Resp: 192058

Ion Ratio Lower Upper

91 100

92 50.3 26.1 78.3

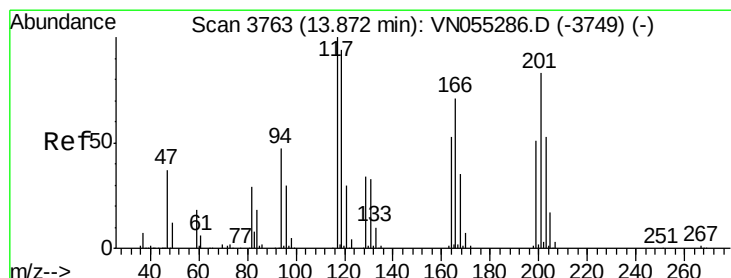
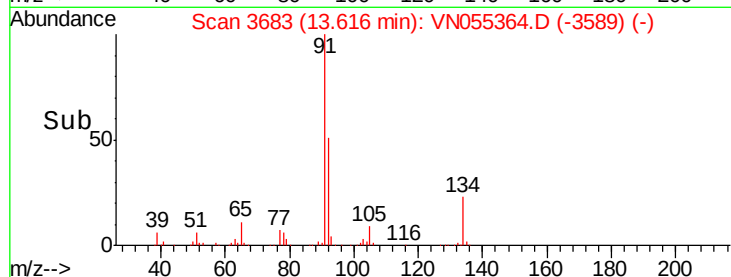
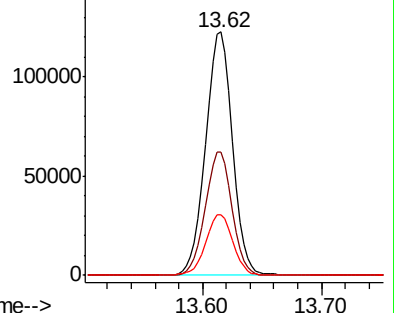
134 25.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055364.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN055364.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN055364.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.177 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055364.D

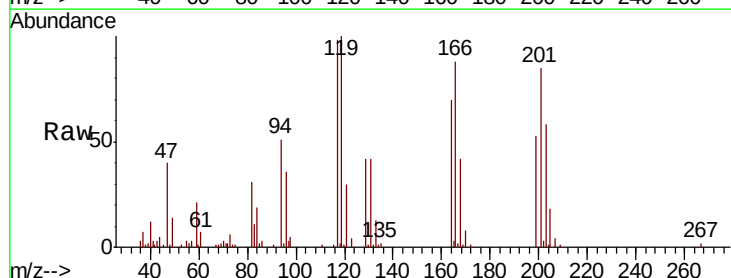
Acq: 2 May 2019 22:12

Tgt Ion: 117 Resp: 43578

Ion Ratio Lower Upper

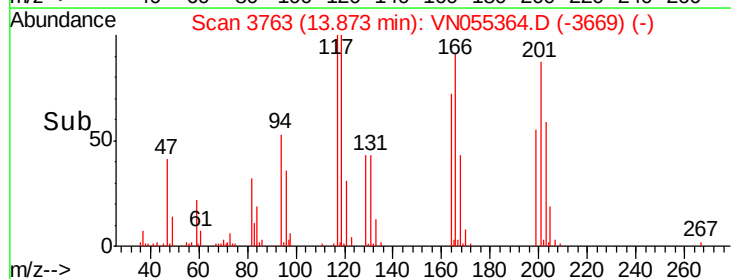
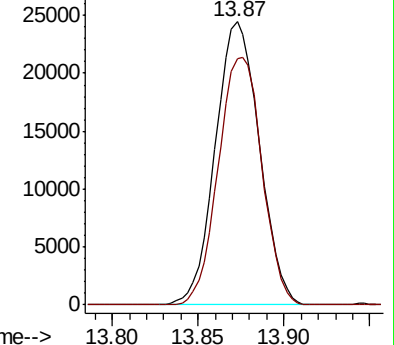
117 100

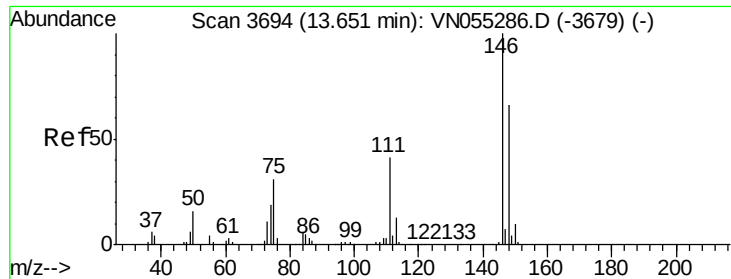
201 86.3 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055364.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN055364.D (-3669) (-)

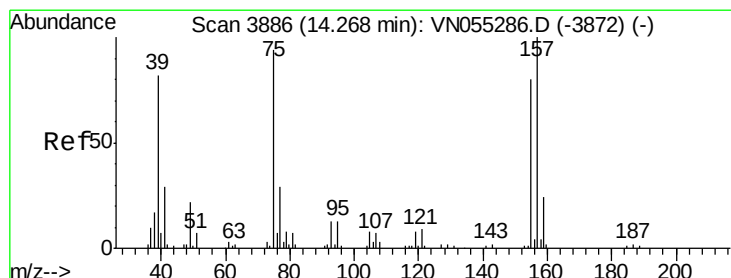
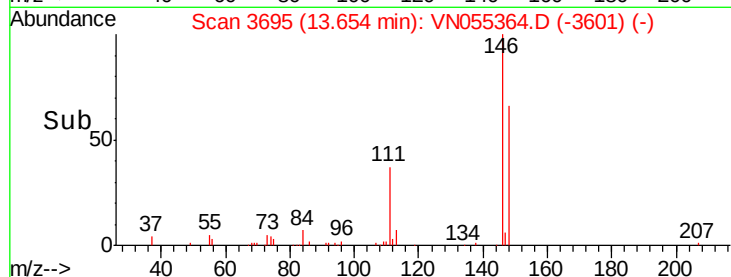
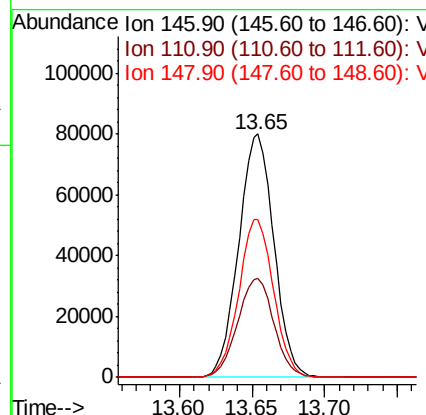
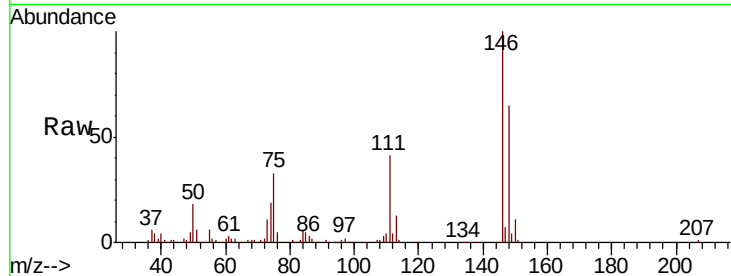




#91
 1,2-Dichlorobenzene
 Concen: 20.861 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

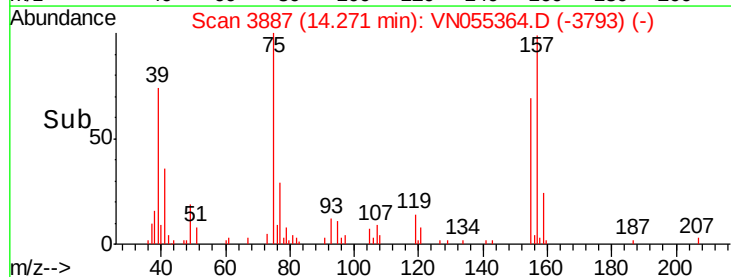
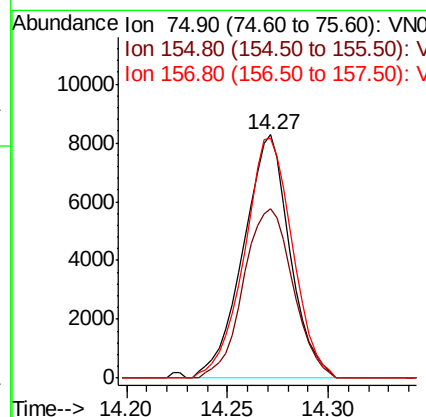
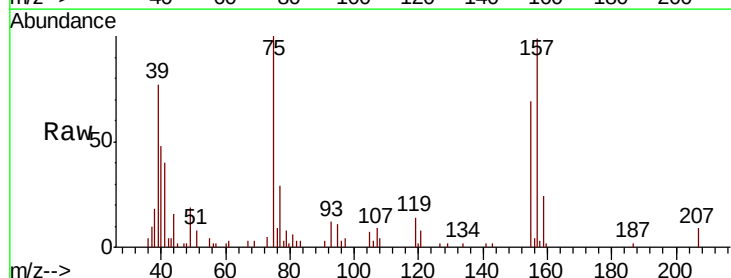
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

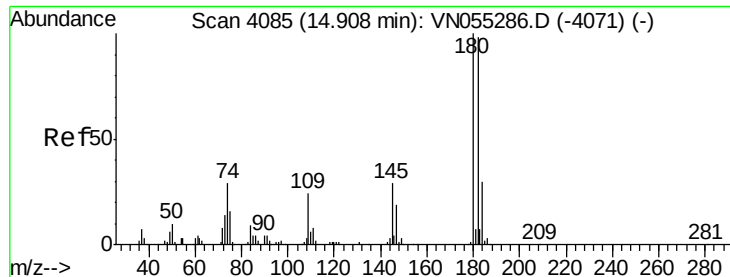
Tot Ion:146 Resp: 134945
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 64.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.106 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion: 75 Resp: 13396
 Ion Ratio Lower Upper
 75 100
 155 73.9 41.5 124.6
 157 101.5 54.0 162.2

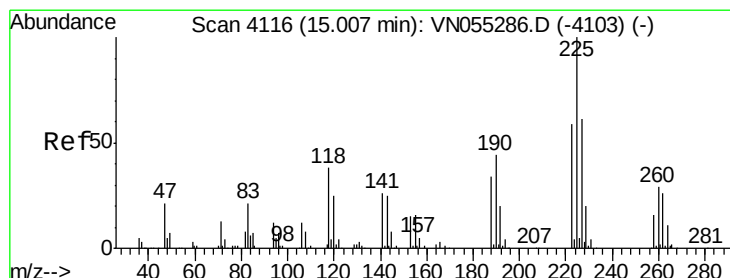
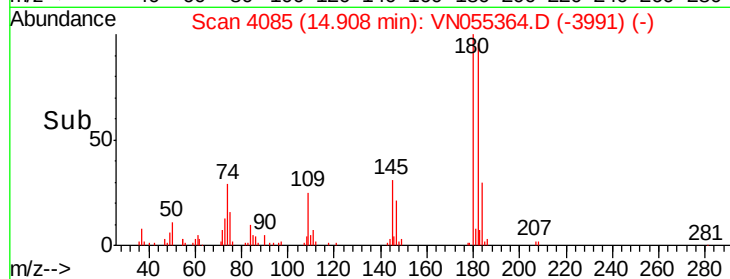
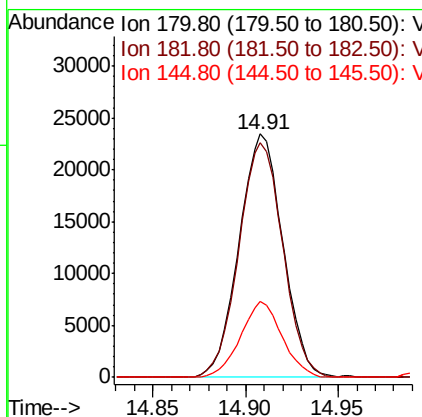
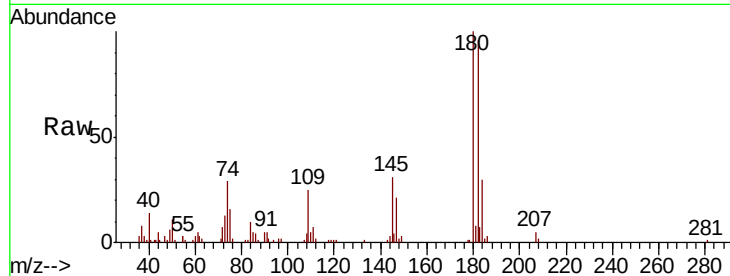




#93
 1,2,4-Trichlorobenzene
 Concen: 17.417 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

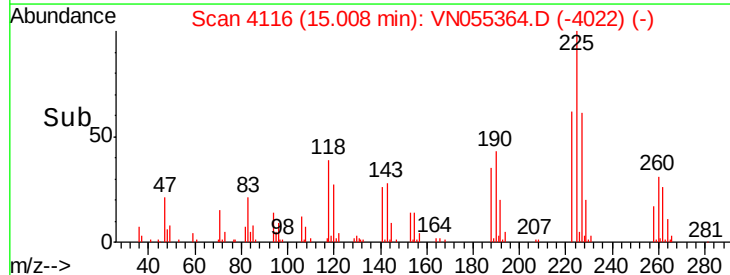
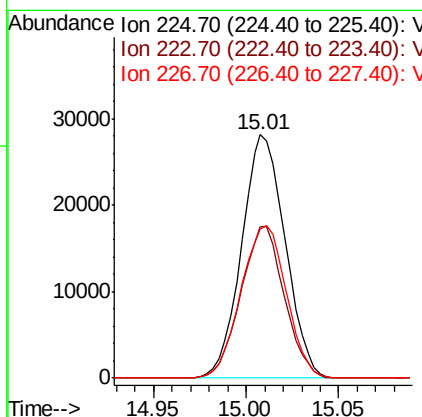
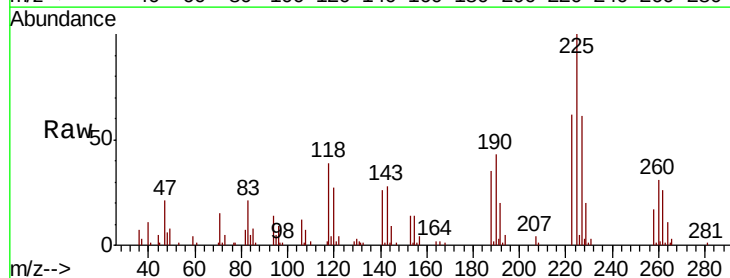
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS02

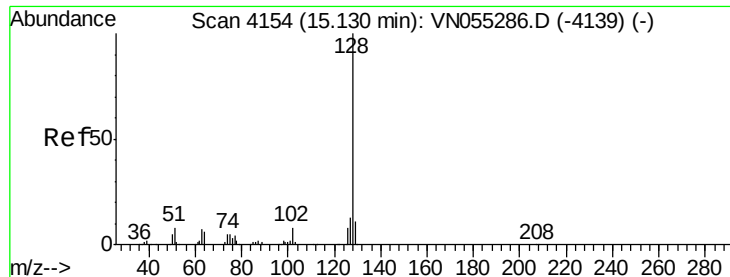
Tot Ion:180 Resp: 38525
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.3 144.9
 145 29.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.962 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055364.D
 Acq: 2 May 2019 22:12

Tgt Ion:225 Resp: 45805
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.3 90.8
 227 65.4 30.9 92.7





#95

Naphthalene

Concen: 18.560 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS02

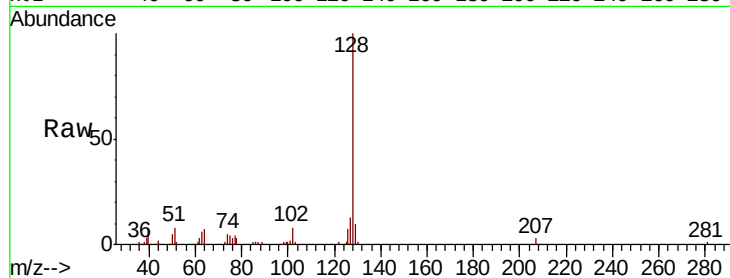
Tot Ion:128 Resp: 88464

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

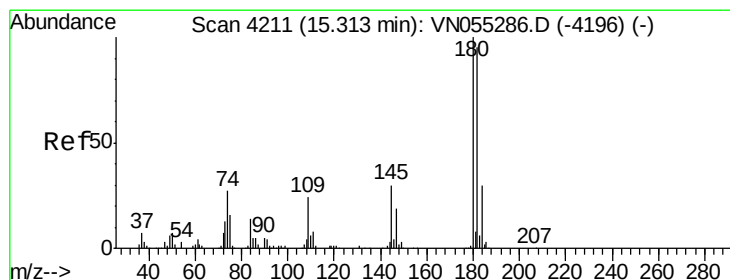
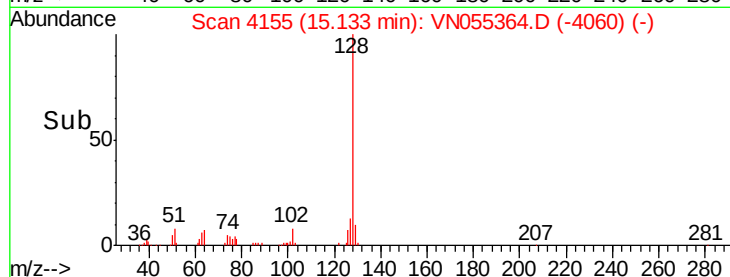
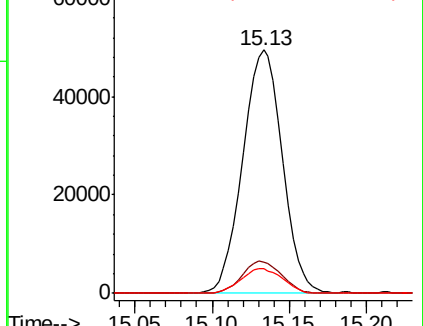
129 10.8 8.6 13.0



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: 19.791 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055364.D

Acq: 2 May 2019 22:12

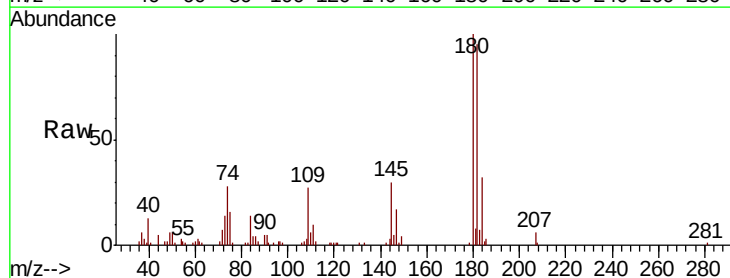
Tgt Ion:180 Resp: 45521

Ion Ratio Lower Upper

180 100

182 96.5 48.3 144.9

145 31.3 15.2 45.6



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

