

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055354.D
 Acq On : 2 May 2019 17:10
 Operator : JC/SP
 Sample : VN0502MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Quant Time: May 03 01:54:57 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	402741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	643517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	212352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	271684	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	209835	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.09	98	756914	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	248954	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89741	18.187	ug/l	98
3) Chloromethane	2.06	50	102867	16.836	ug/l	98
4) Vinyl Chloride	2.19	62	91089	18.494	ug/l	99
5) Bromomethane	2.57	94	47383	18.162	ug/l	99
6) Chloroethane	2.71	64	49674	18.618	ug/l	98
7) Trichlorofluoromethane	3.02	101	130609	18.649	ug/l	99
8) Diethyl Ether	3.42	74	51398	20.976	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	77660	18.621	ug/l	99
10) Methyl Iodide	3.96	142	101790	17.343	ug/l	99
11) Tert butyl alcohol	4.80	59	40568	134.486	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	75766	19.044	ug/l	98
13) Acrolein	3.62	56	13497	57.293	ug/l	89
14) Allyl chloride	4.33	41	159965	19.414	ug/l	99
15) Acrylonitrile	5.00	53	195068	115.047	ug/l	99
16) Acetone	3.82	43	189161	115.224	ug/l	97
17) Carbon Disulfide	4.06	76	162547	15.656	ug/l	99
18) Methyl Acetate	4.33	43	96328	23.539	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	245067	21.912	ug/l	98
20) Methylene Chloride	4.56	84	90511	18.063	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	80814	19.180	ug/l	95
22) Diisopropyl ether	5.96	45	342474	20.919	ug/l	95
23) Vinyl Acetate	5.90	43	1180062	109.980	ug/l	100
24) 1,1-Dichloroethane	5.85	63	172870	19.818	ug/l	100
25) 2-Butanone	6.84	43	248808	118.509	ug/l	97
26) 2,2-Dichloropropane	6.83	77	113581	18.856	ug/l	82
27) cis-1,2-Dichloroethene	6.83	96	94695	19.763	ug/l	97
28) Bromochloromethane	7.20	49	86959	19.777	ug/l	97
29) Tetrahydrofuran	7.22	42	166450	123.813	ug/l	99
30) Chloroform	7.38	83	162707	19.677	ug/l	98
31) Cyclohexane	7.66	56	152467	18.397	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	130275	19.412	ug/l	99
36) 1,1-Dichloropropene	7.80	75	116477	18.897	ug/l	99
37) Ethyl Acetate	6.93	43	101643	21.516	ug/l #	79
38) Carbon Tetrachloride	7.78	117	105068	17.671	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118460	18.076	ug/l	99
40) Benzene	8.04	78	360795	19.856	ug/l	99
41) Methacrylonitrile	7.18	41	60838	24.183	ug/l	97
42) 1,2-Dichloroethane	8.13	62	128315	19.938	ug/l	99
43) Isopropyl Acetate	8.17	43	187440	24.689	ug/l #	87
44) Trichloroethene	8.84	130	87886	18.973	ug/l	96
45) 1,2-Dichloropropane	9.12	63	104575	19.954	ug/l	99
46) Dibromomethane	9.21	93	57901	20.212	ug/l	99
47) Bromodichloromethane	9.40	83	119762	19.488	ug/l	98
48) Methyl methacrylate	9.20	41	83444	22.358	ug/l	99
49) 1,4-Dioxane	9.20	88	18074	468.468	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	507383	118.704	ug/l	99
52) Toluene	10.16	92	209663	20.110	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	110430	20.700	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135754	20.409	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	81201	20.974	ug/l	97
56) Ethyl methacrylate	10.43	69	108327	22.733	ug/l	99
57) 1,3-Dichloropropane	10.71	76	143343	21.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	125151	92.831	ug/l	98
59) 2-Hexanone	10.75	43	330146	123.446	ug/l	98
60) Dibromochloromethane	10.90	129	79445	20.078	ug/l	100
61) 1,2-Dibromoethane	11.01	107	75939	21.221	ug/l	99
64) Tetrachloroethene	10.63	164	87354	19.585	ug/l	98
65) Chlorobenzene	11.43	112	209834	19.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80033	19.168	ug/l	99
67) Ethyl Benzene	11.51	91	386329	20.063	ug/l	99
68) m/p-Xylenes	11.62	106	282143	41.049	ug/l	100
69) o-Xylene	11.95	106	138161	20.280	ug/l	98
70) Styrene	11.96	104	224834	21.494	ug/l	99
71) Bromoform	12.13	173	46098	19.896	ug/l #	96
73) Isopropylbenzene	12.25	105	383889	20.878	ug/l	99
74) N-amyl acetate	12.07	43	147029	26.979	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	98370	21.572	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	117805	28.777	ug/l #	100
77) Bromobenzene	12.53	156	90102	20.961	ug/l	99
78) n-propylbenzene	12.59	91	429228	19.678	ug/l	100
79) 2-Chlorotoluene	12.67	91	261169	21.158	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	350063	21.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21600	19.276	ug/l #	77
82) 4-Chlorotoluene	12.77	91	237109	18.695	ug/l	99
83) tert-Butylbenzene	12.99	119	265435	20.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	437817	29.406	ug/l	99
85) sec-Butylbenzene	13.17	105	346145	19.130	ug/l	98
86) p-Isopropyltoluene	13.29	119	303008	20.374	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	135473	19.065	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	132912	19.862	ug/l	99
89) n-Butylbenzene	13.62	91	235194	22.256	ug/l	95
90) Hexachloroethane	13.87	117	45696	18.410	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	142002	20.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14084	25.210	ug/l	98

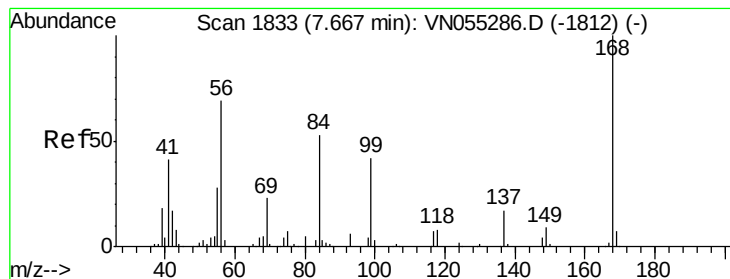
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48468	19.611	ug/l	96
94) Hexachlorobutadiene	15.01	225	48478	21.267	ug/l	99
95) Naphthalene	15.13	128	129118	23.747	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52860	20.935	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

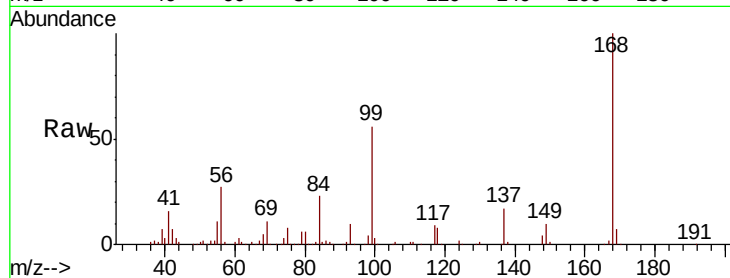
VN0502MBS01

Tot Ion:168 Resp: 402741

Ion Ratio Lower Upper

168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

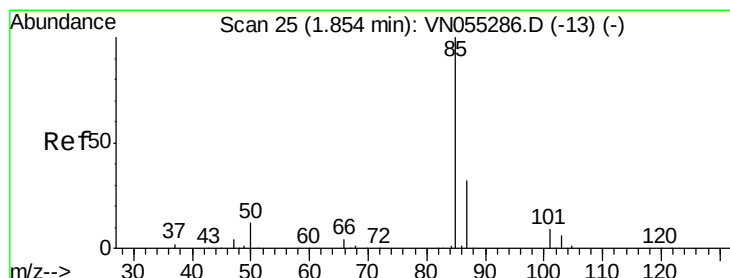
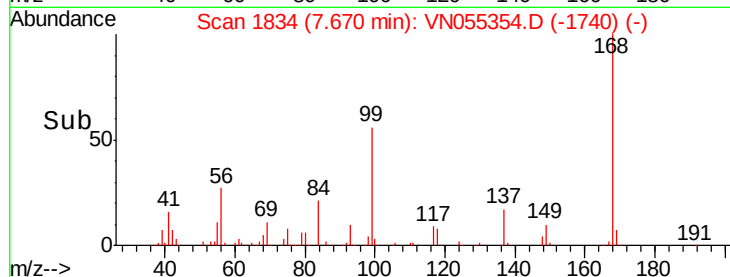
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.187 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055354.D

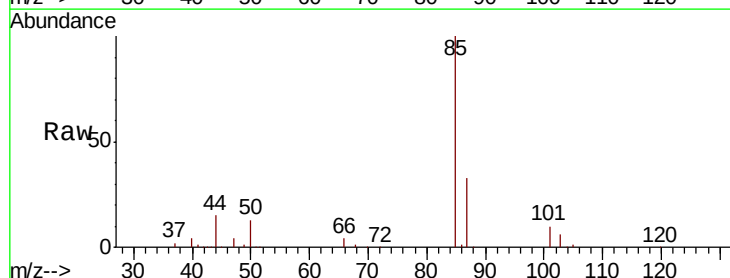
Acq: 2 May 2019 17:10

Tgt Ion: 85 Resp: 89741

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

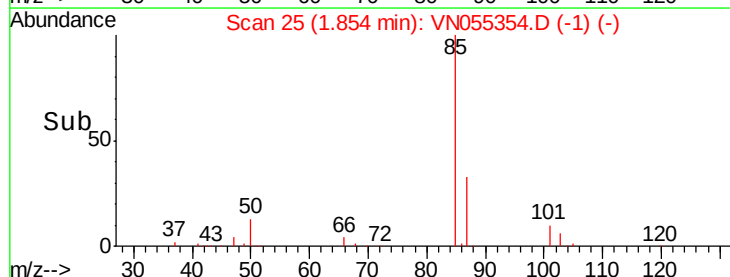
40000

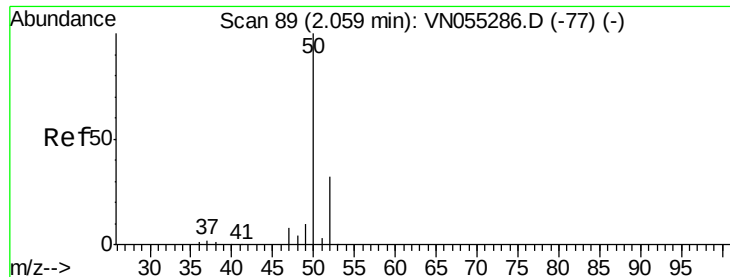
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.836 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

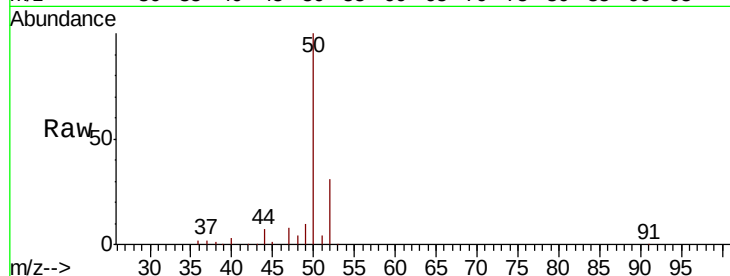
VN0502MBS01

Tot Ion: 50 Resp: 102867

Ion Ratio Lower Upper

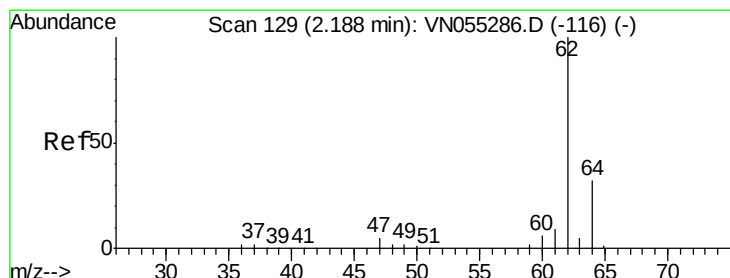
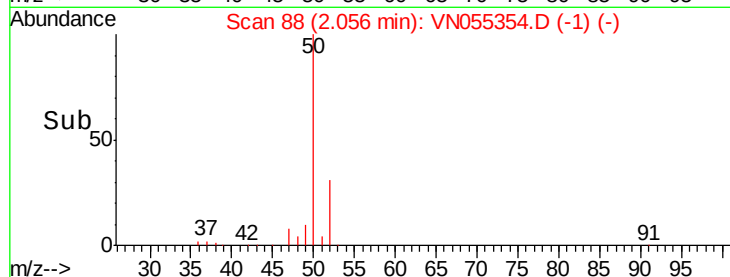
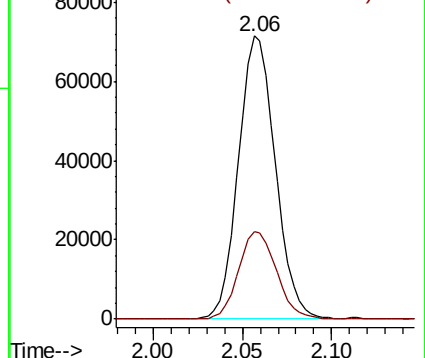
50 100

52 31.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.494 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055354.D

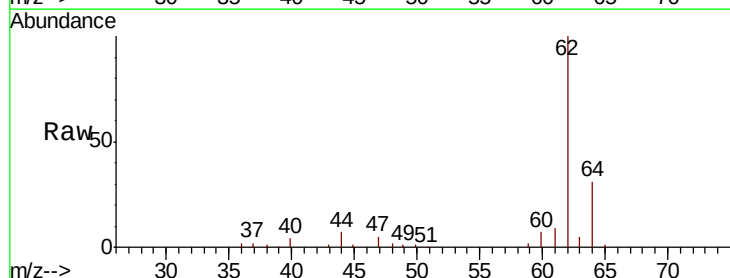
Acq: 2 May 2019 17:10

Tgt Ion: 62 Resp: 91089

Ion Ratio Lower Upper

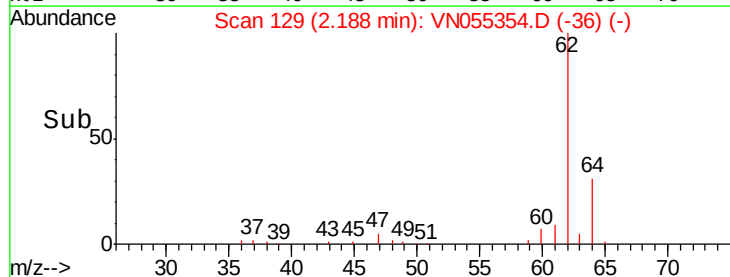
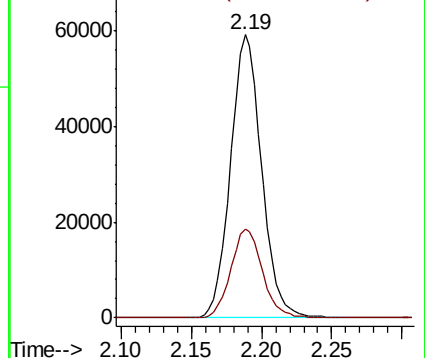
62 100

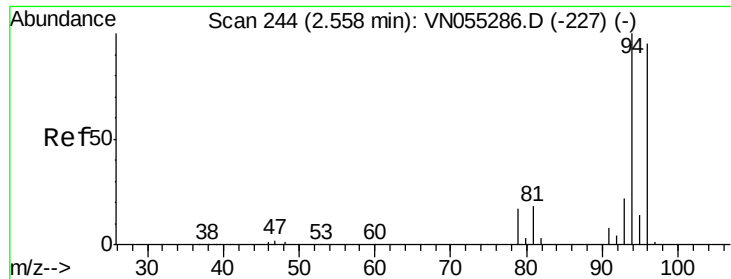
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.162 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

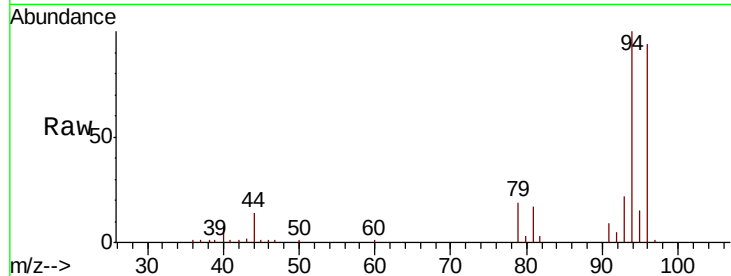
VN0502MBS01

Tot Ion: 94 Resp: 47383

Ion Ratio Lower Upper

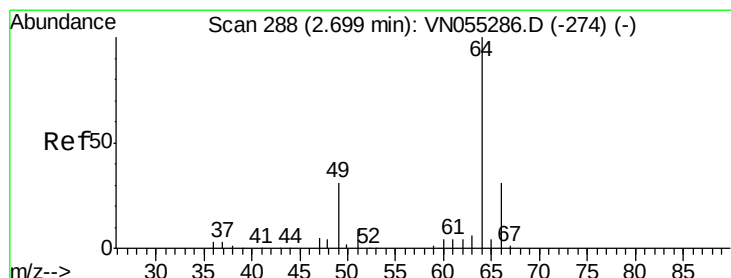
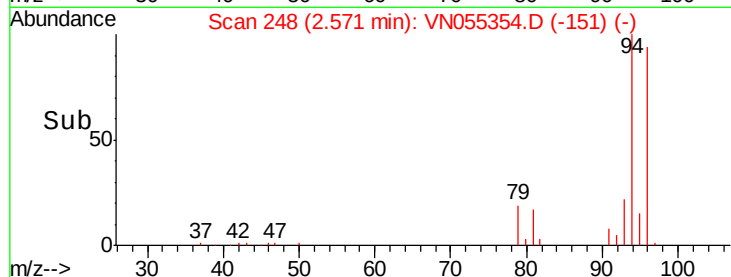
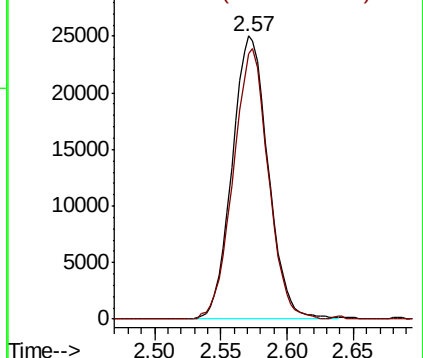
94 100

96 93.8 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: 18.618 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055354.D

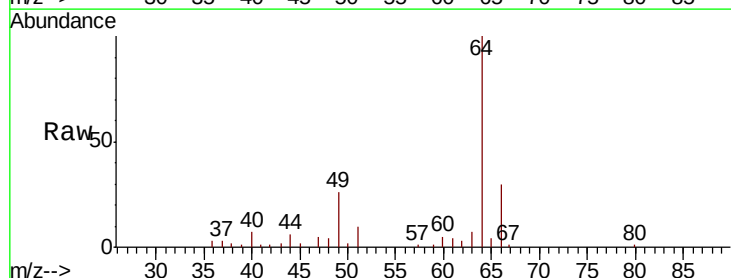
Acq: 2 May 2019 17:10

Tgt Ion: 64 Resp: 49674

Ion Ratio Lower Upper

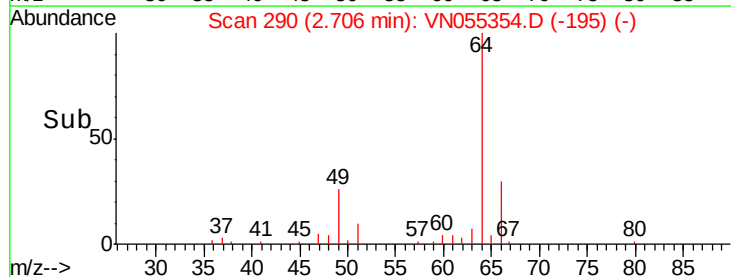
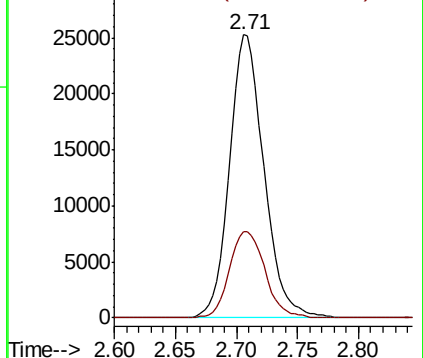
64 100

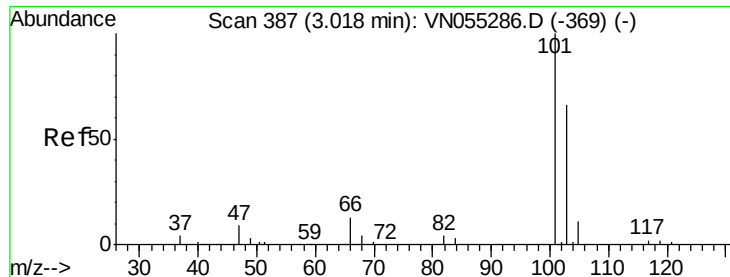
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



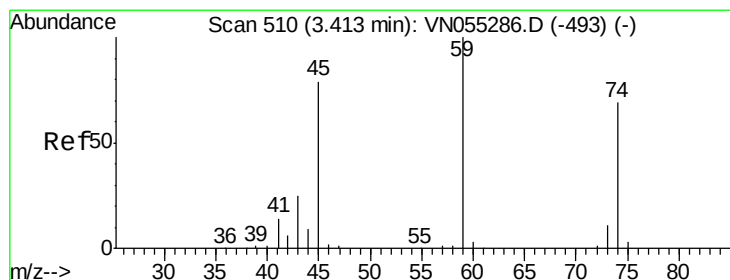
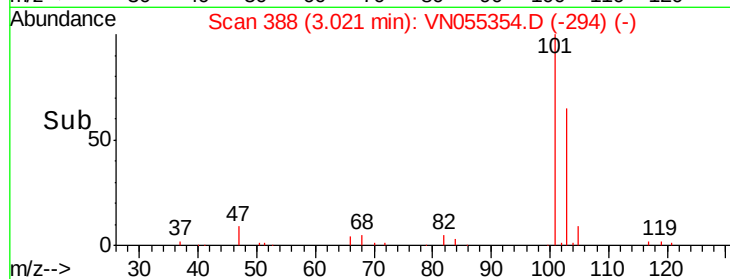
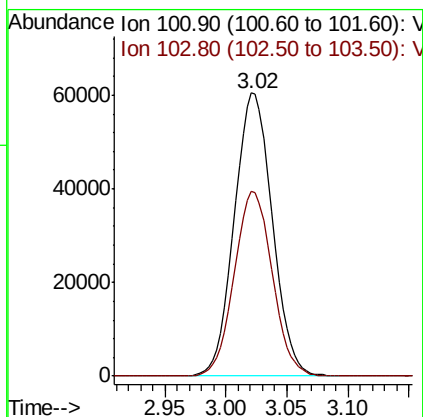
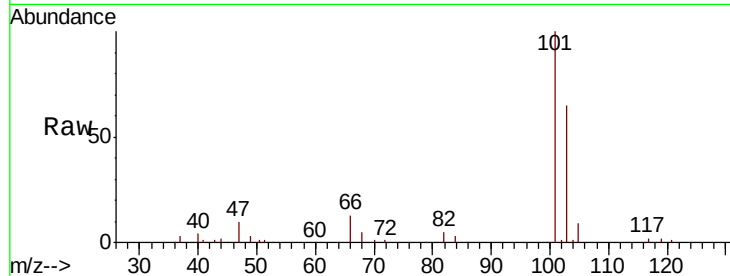


#7

Trichlorofluoromethane
 Concen: 18.649 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

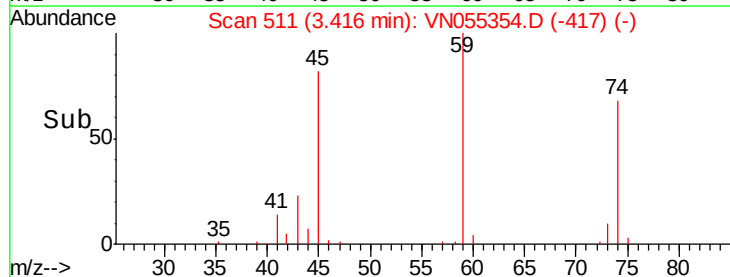
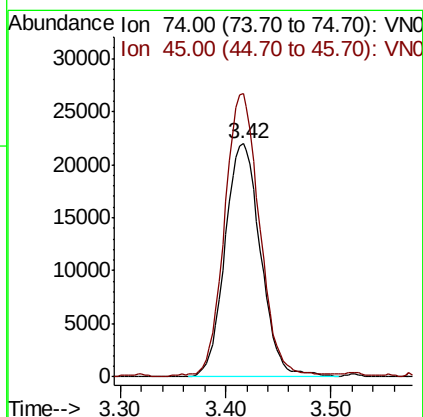
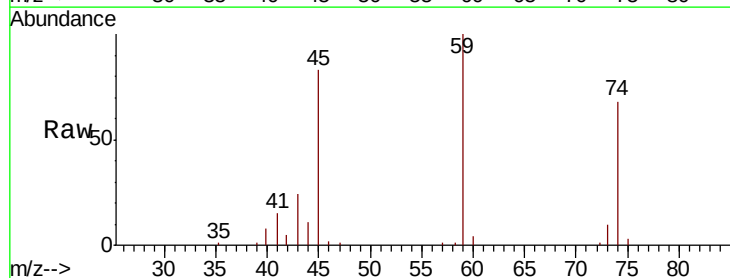
Tot Ion:101 Resp: 130609
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

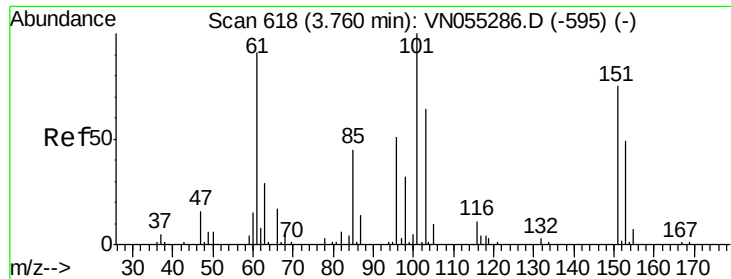


#8

Diethyl Ether
 Concen: 20.976 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 74 Resp: 51398
 Ion Ratio Lower Upper
 74 100
 45 120.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.621 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

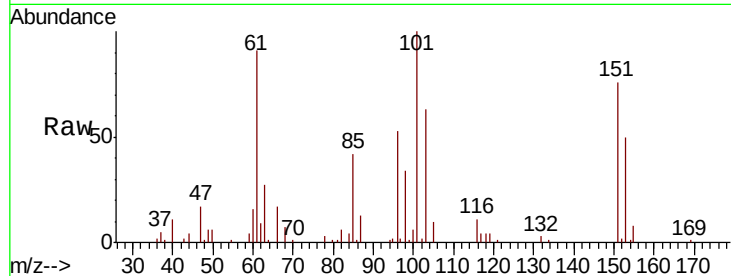
Tot Ion:101 Resp: 77660

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

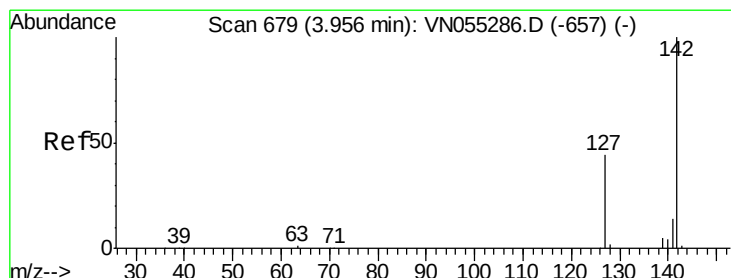
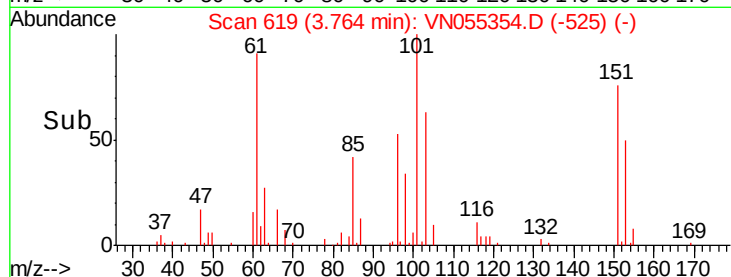
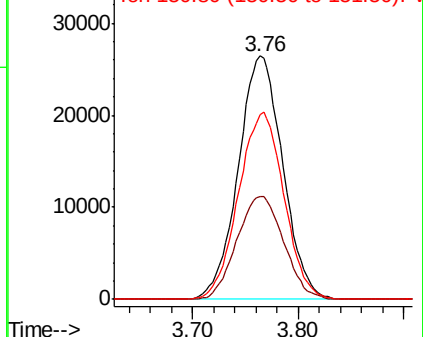
151 78.4 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.343 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

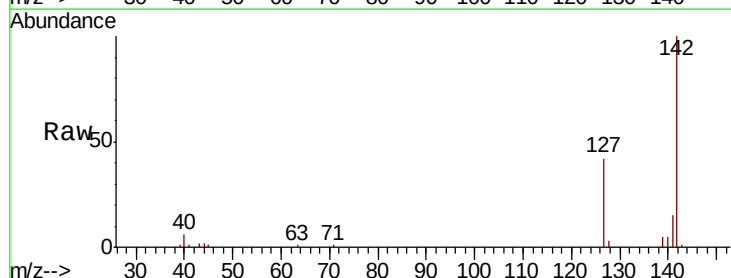
Tgt Ion:142 Resp: 101790

Ion Ratio Lower Upper

142 100

127 42.1 34.4 51.6

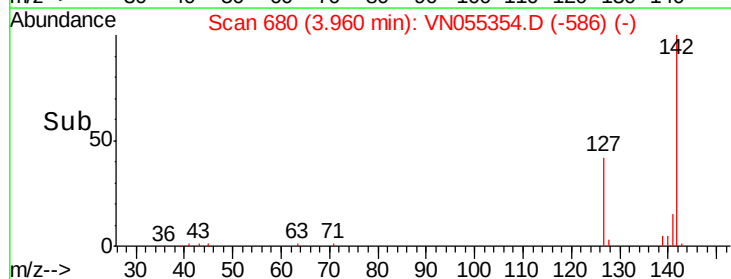
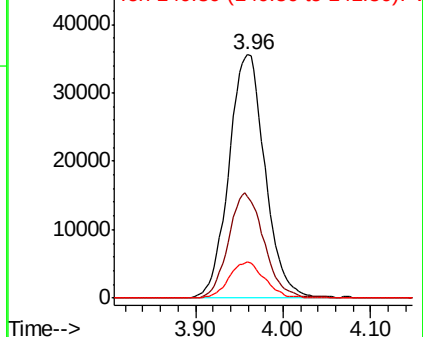
141 14.4 11.5 17.3

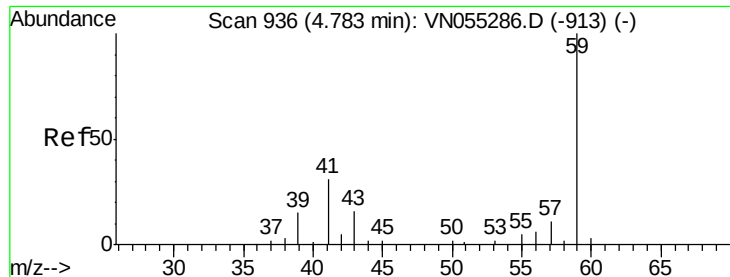


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



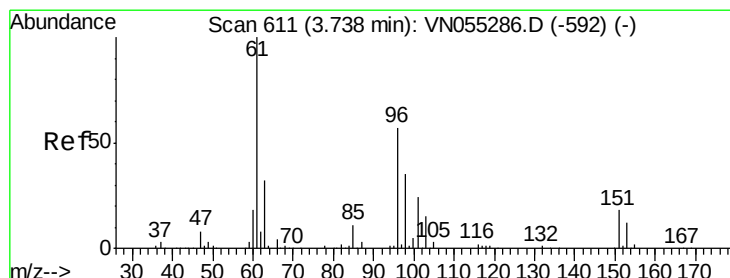
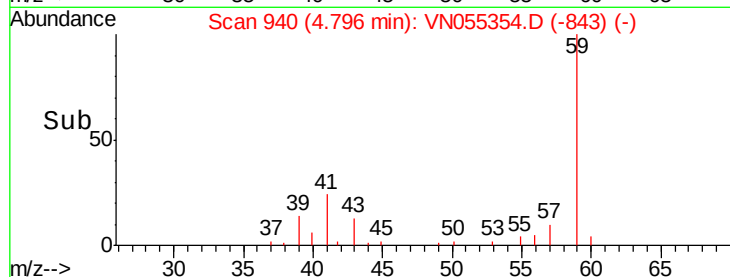
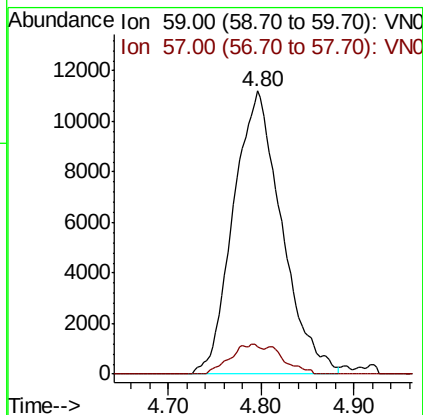
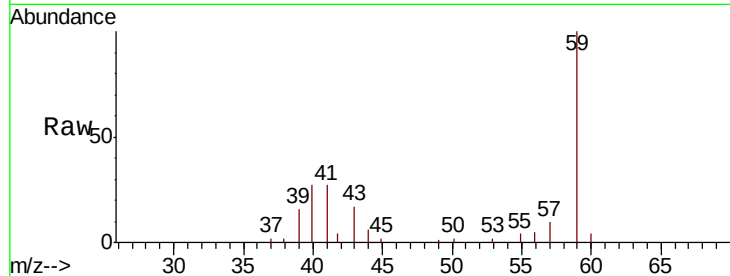


#11

Tert butyl alcohol
 Concen: 134.486 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

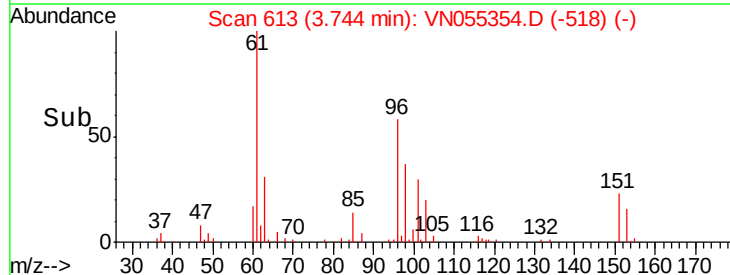
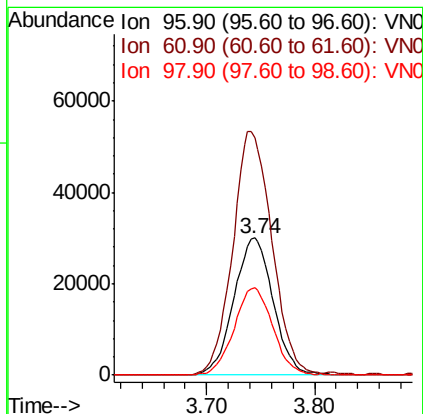
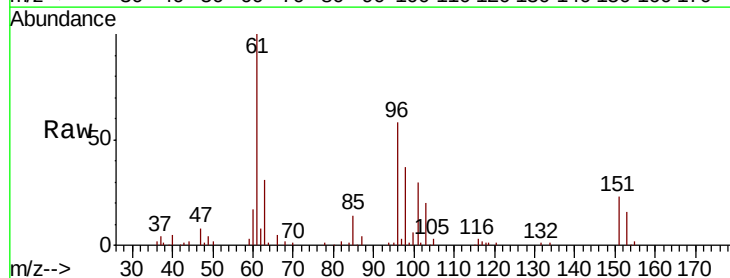
Tot Ion: 59 Resp: 40568
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.2 12.2#

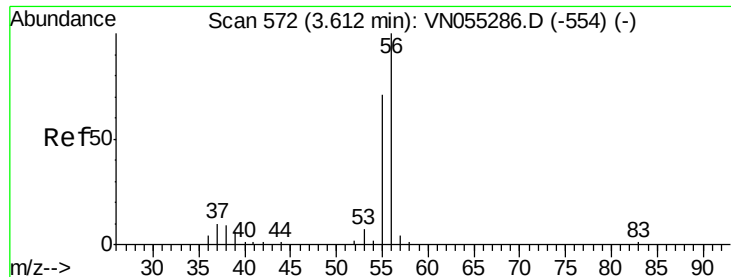


#12

1,1-Dichloroethene
 Concen: 19.044 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 96 Resp: 75766
 Ion Ratio Lower Upper
 96 100
 61 172.6 140.9 211.3
 98 64.2 50.0 75.0





#13

Acrolein

Concen: 57.293 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

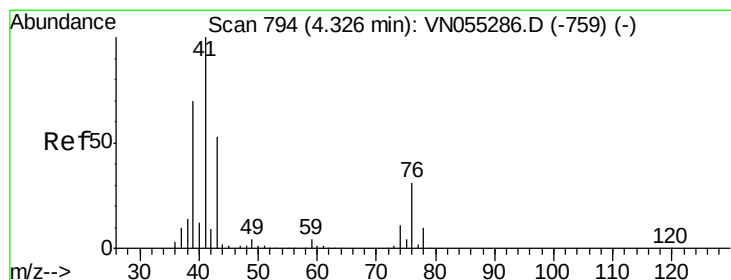
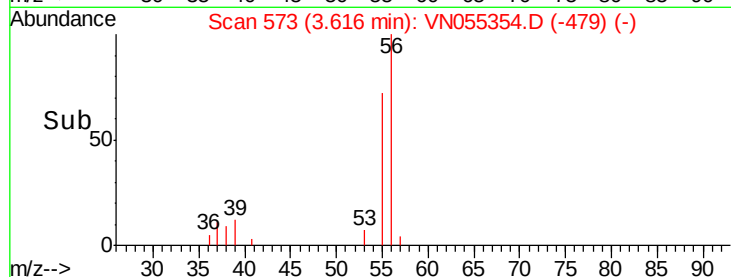
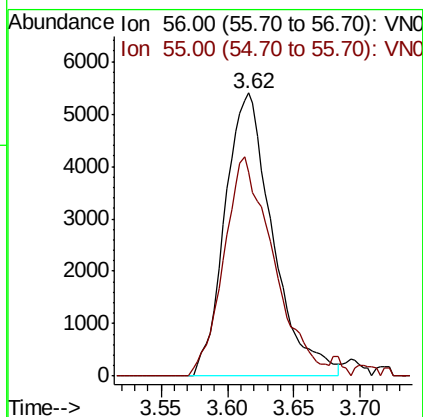
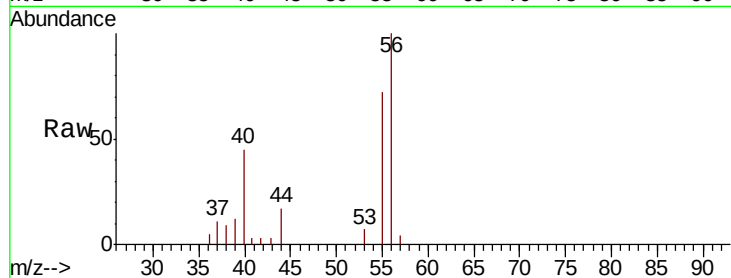
VN0502MBS01

Tot Ion: 56 Resp: 13497

Ion Ratio Lower Upper

56 100

55 80.6 57.4 86.2



#14

Allyl chloride

Concen: 19.414 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

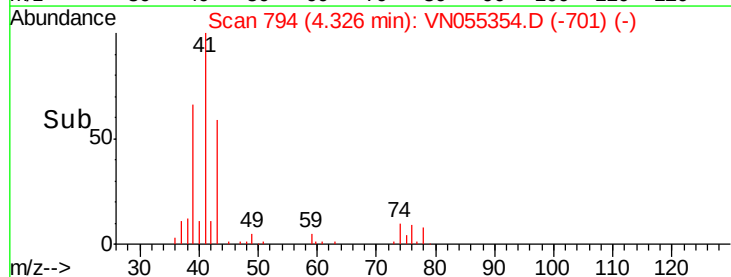
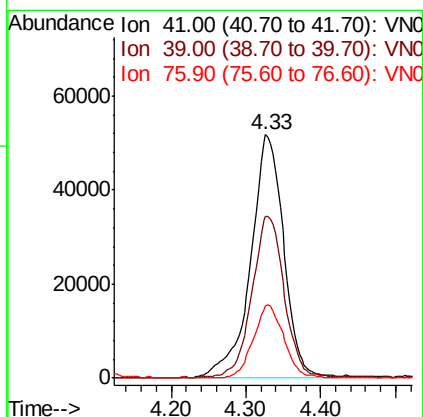
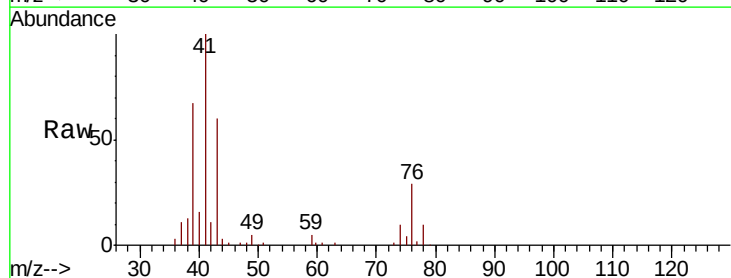
Tgt Ion: 41 Resp: 159965

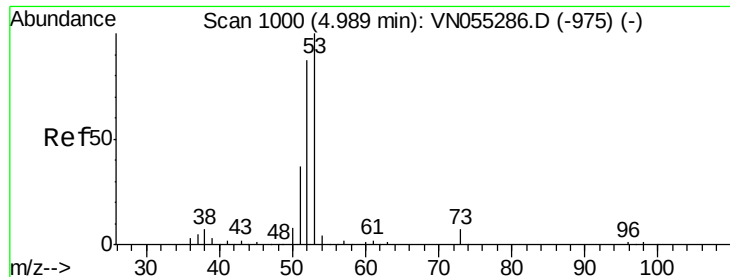
Ion Ratio Lower Upper

41 100

39 65.3 53.0 79.6

76 27.7 22.7 34.1

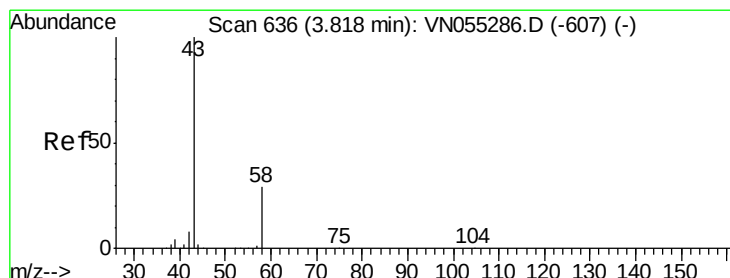
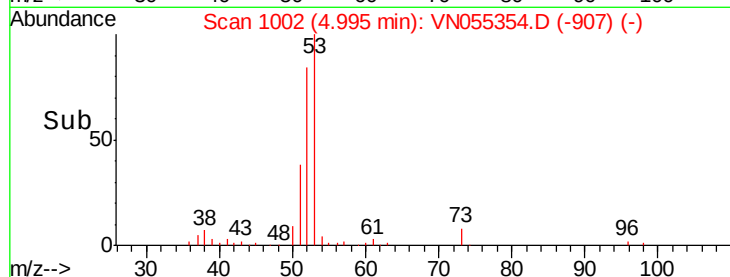
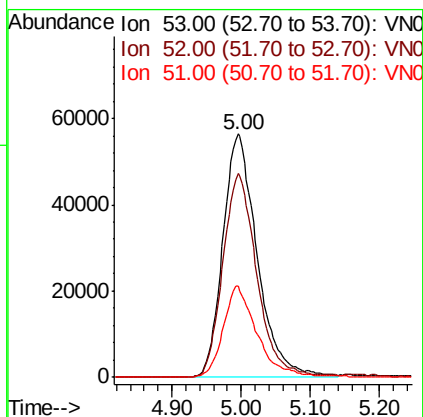
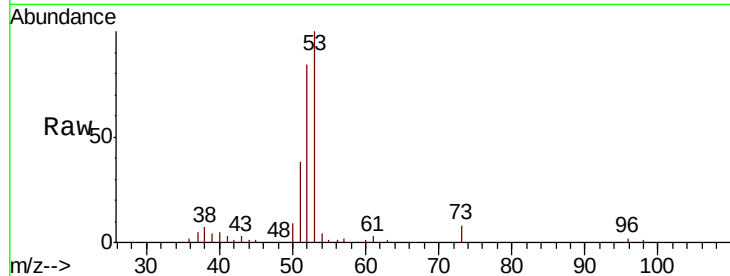




#15
 Acrylonitrile
 Concen: 115.047 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

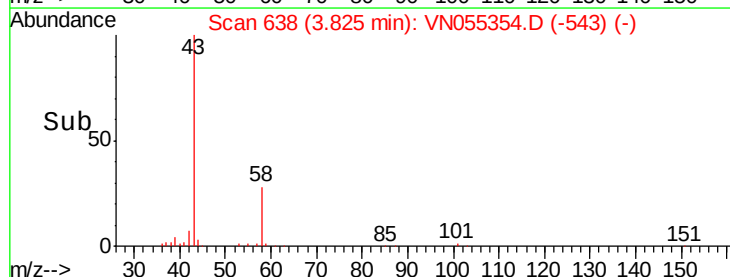
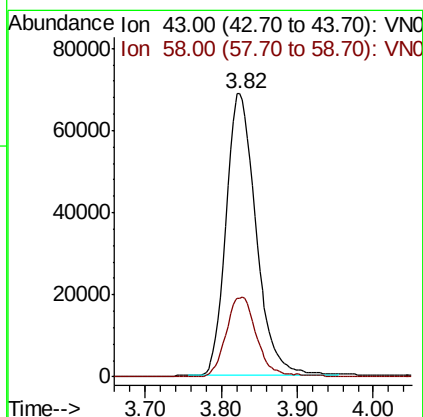
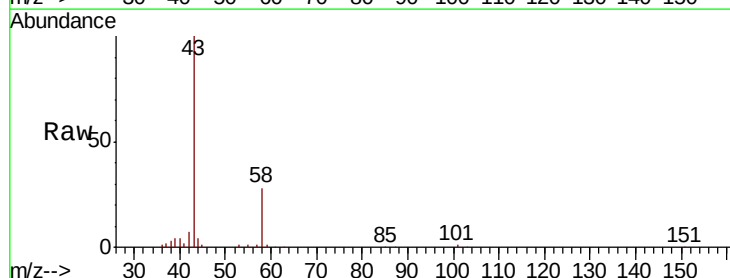
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

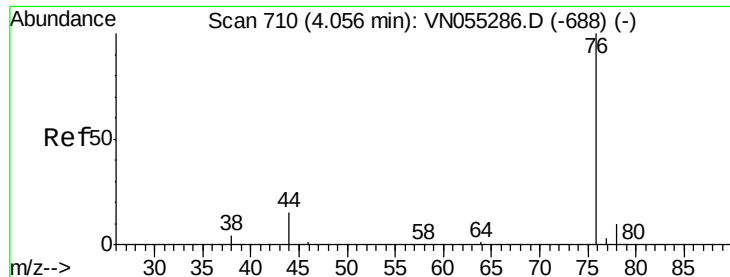
Tot Ion: 53 Resp: 195068
 Ion Ratio Lower Upper
 53 100
 52 82.5 66.5 99.7
 51 36.2 29.6 44.4



#16
 Acetone
 Concen: 115.224 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 43 Resp: 189161
 Ion Ratio Lower Upper
 43 100
 58 28.1 23.6 35.4





#17

Carbon Disulfide

Concen: 15.656 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

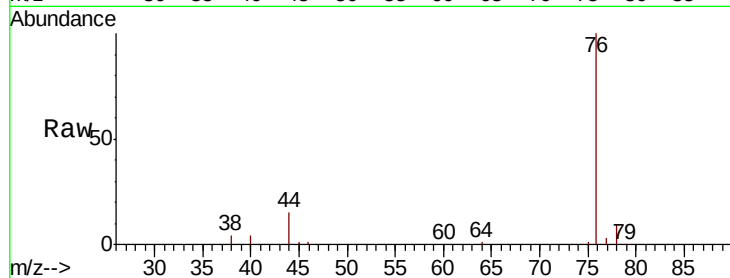
VN0502MBS01

Tot Ion: 76 Resp: 162547

Ion Ratio Lower Upper

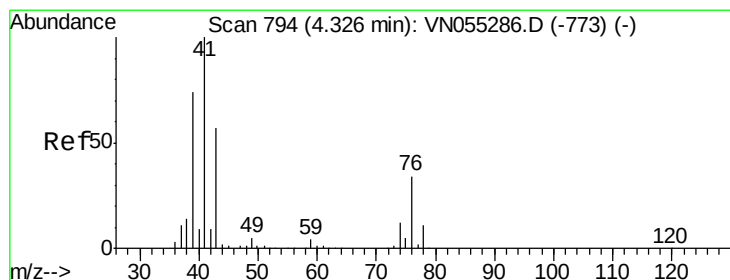
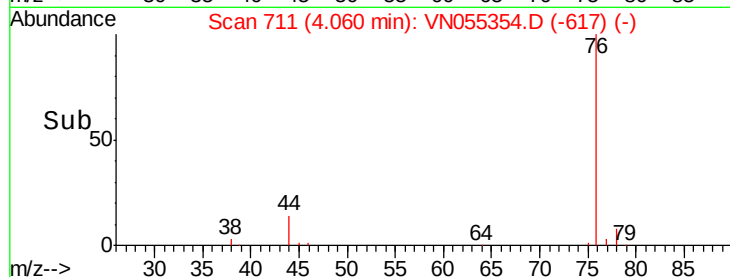
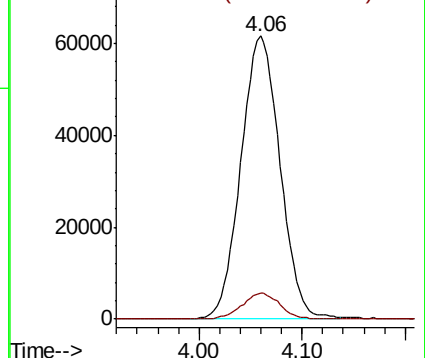
76 100

78 9.3 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: 23.539 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055354.D

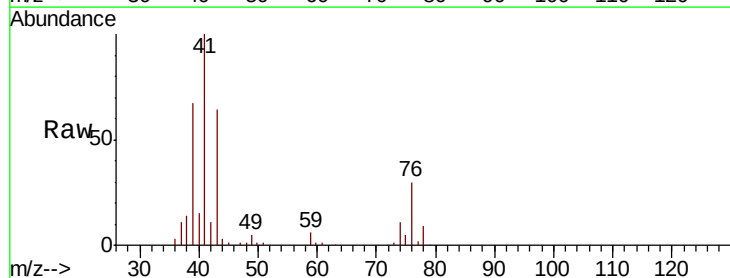
Acq: 2 May 2019 17:10

Tgt Ion: 43 Resp: 96328

Ion Ratio Lower Upper

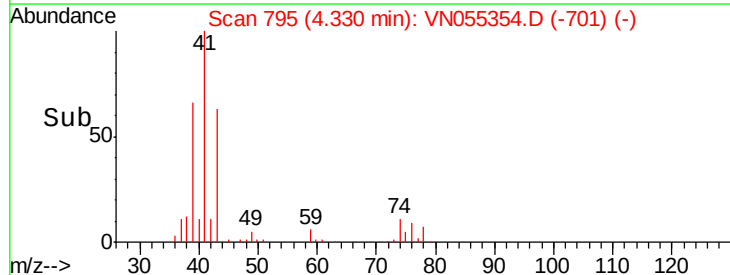
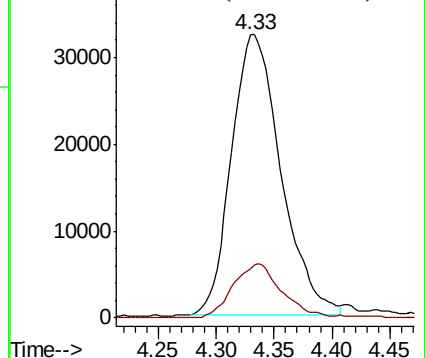
43 100

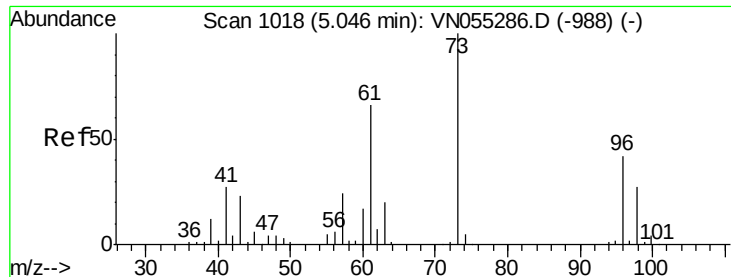
74 18.9 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

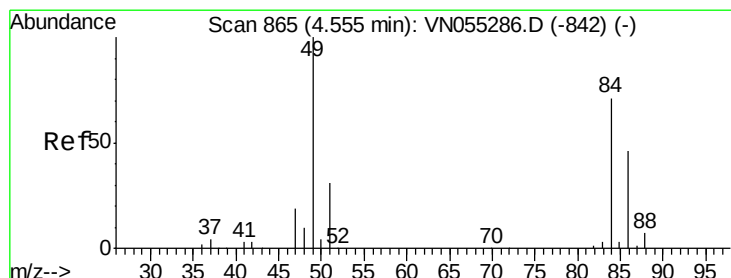
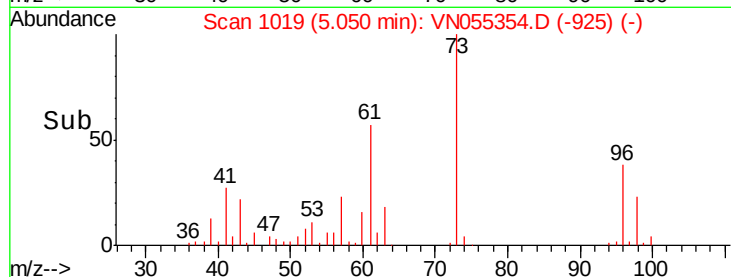
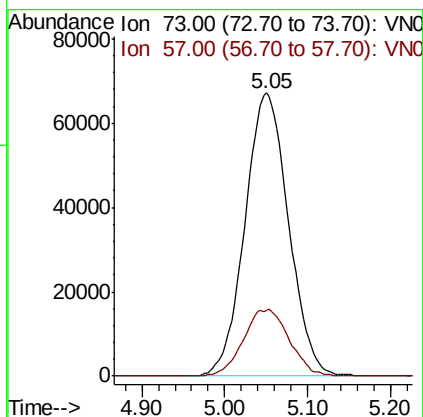
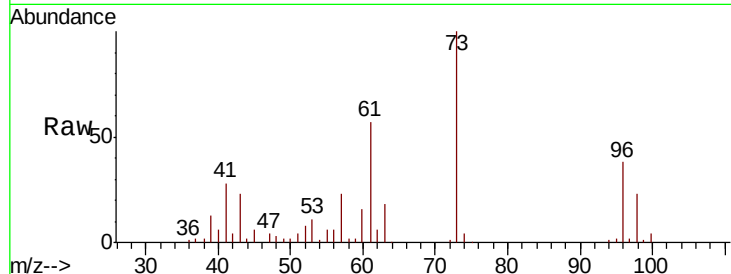




#19
Methyl tert-butyl Ether
Concen: 21.912 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

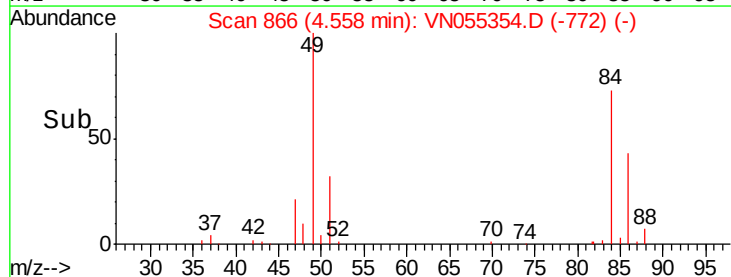
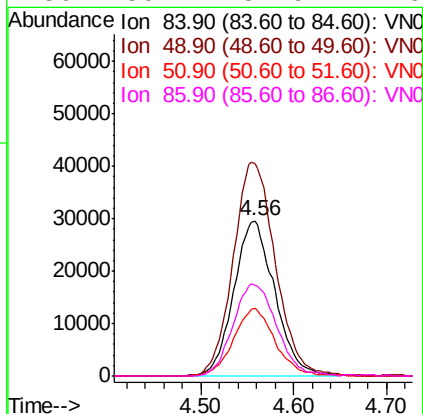
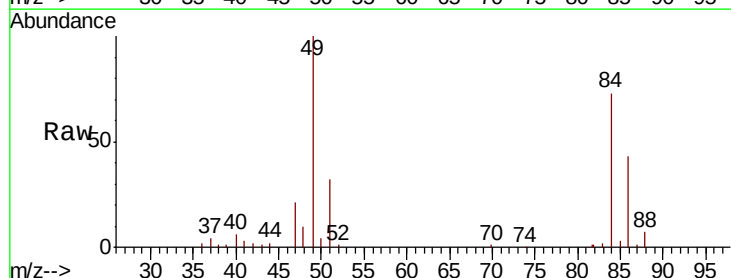
Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

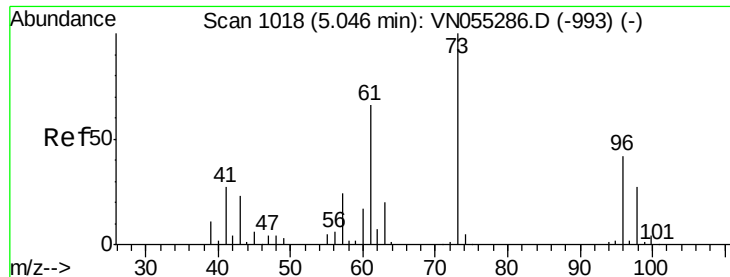
Tot Ion: 73 Resp: 245067
Ion Ratio Lower Upper
73 100
57 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 18.063 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 84 Resp: 90511
Ion Ratio Lower Upper
84 100
49 136.3 112.4 168.6
51 43.6 34.6 51.8
86 59.1 51.9 77.9

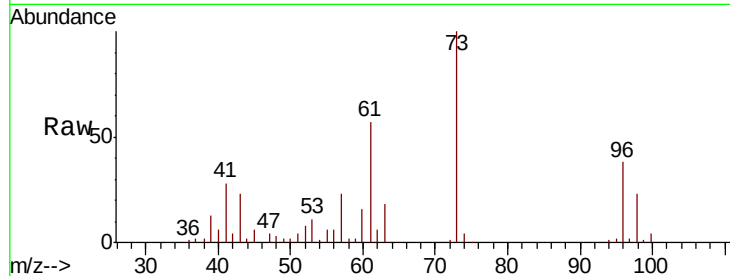




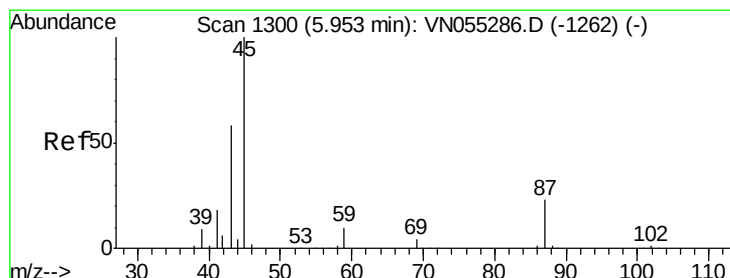
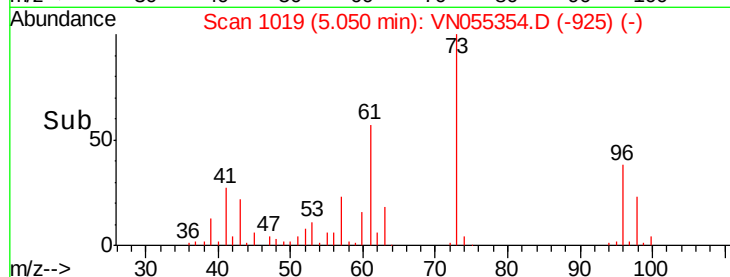
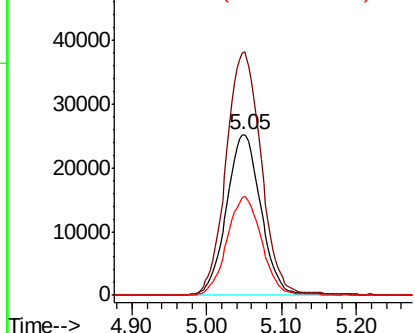
#21
trans-1,2-Dichloroethene
Concen: 19.180 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

Tot Ion: 96 Resp: 80814
Ion Ratio Lower Upper
96 100
61 151.3 126.2 189.4
98 61.5 52.2 78.2

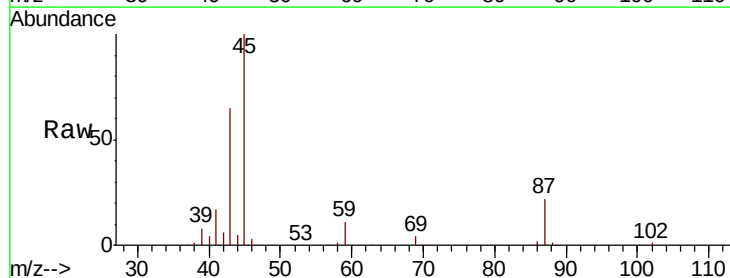


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

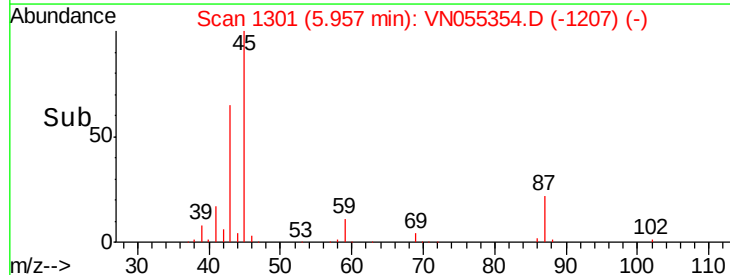
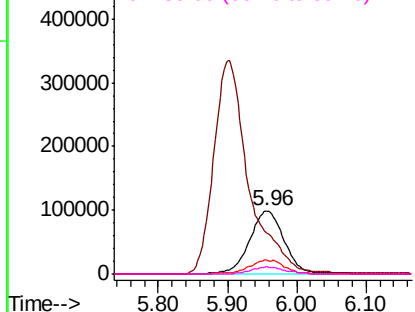


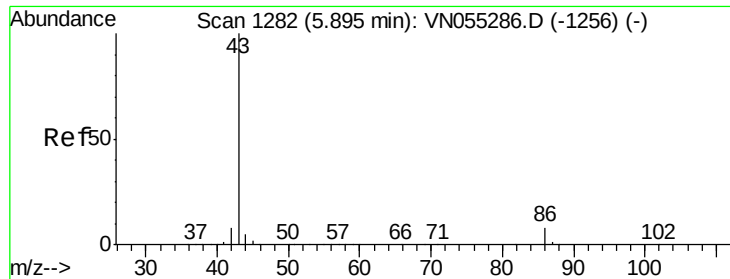
#22
Diisopropyl ether
Concen: 20.919 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 45 Resp: 342474
Ion Ratio Lower Upper
45 100
43 63.2 46.6 70.0
87 21.5 18.1 27.1
59 11.2 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

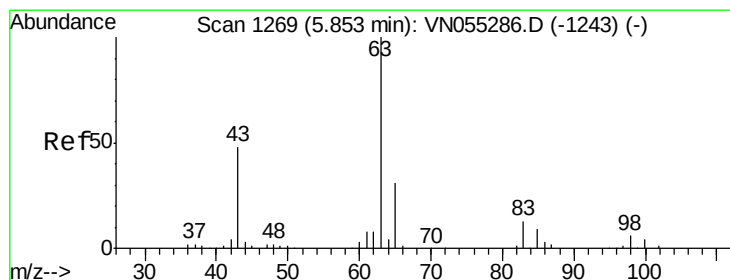
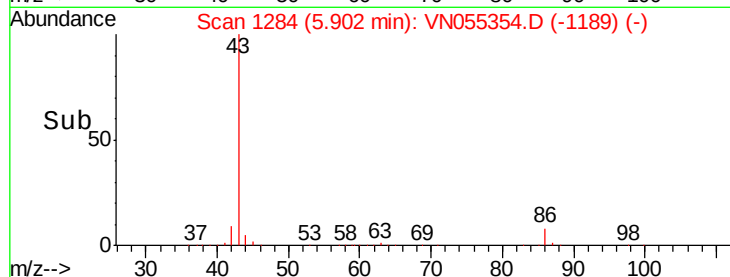
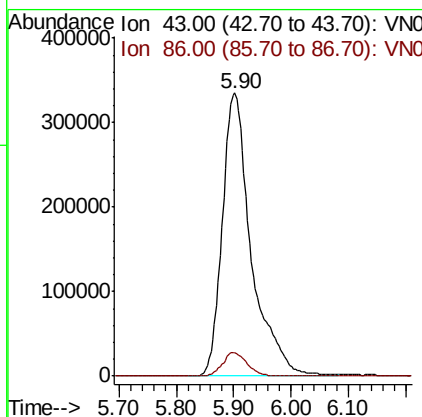
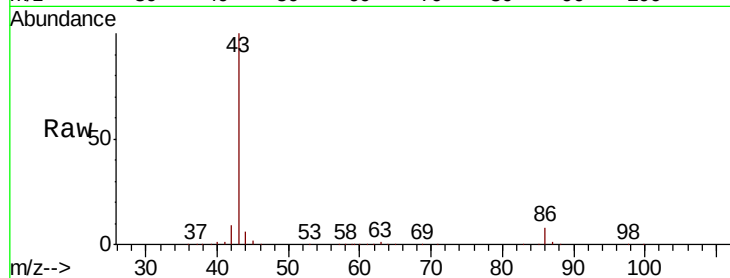




#23
 Vinyl Acetate
 Concen: 109.980 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

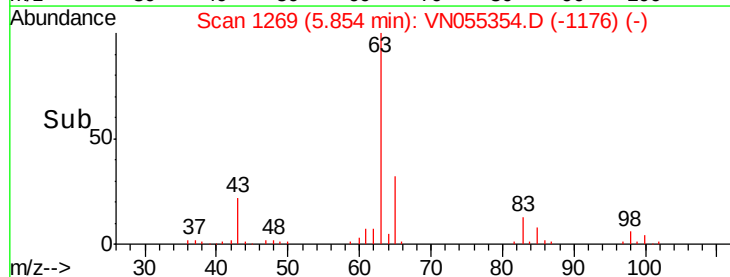
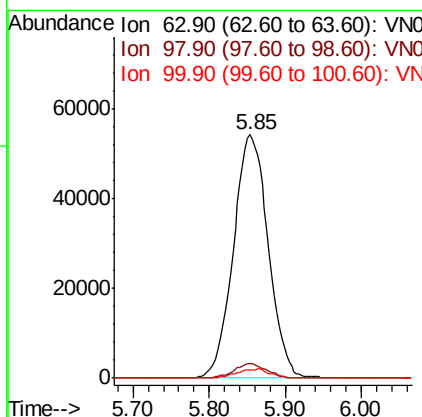
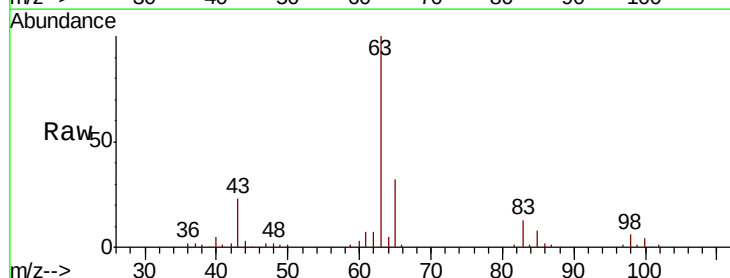
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

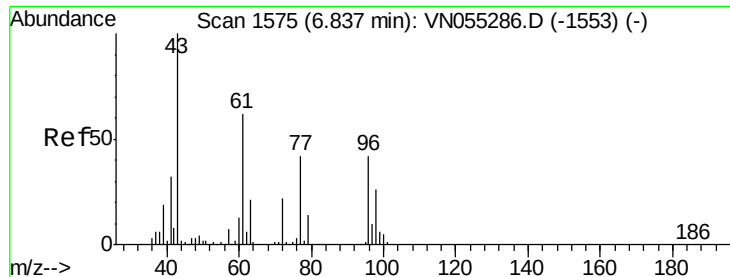
Tot Ion: 43 Resp: 1180062
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 19.818 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 63 Resp: 172870
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 3.5 1.8 5.4

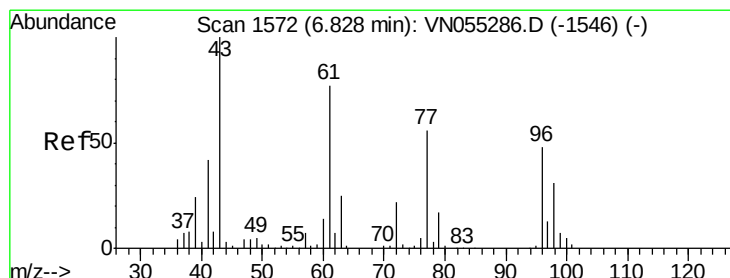
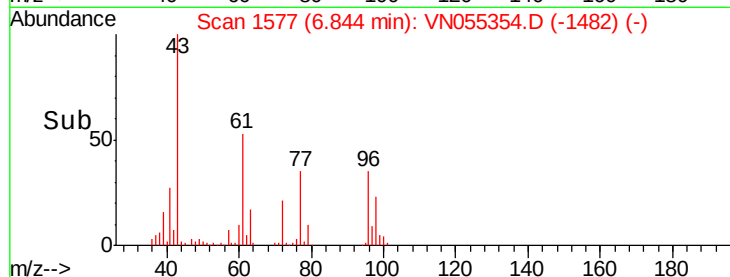
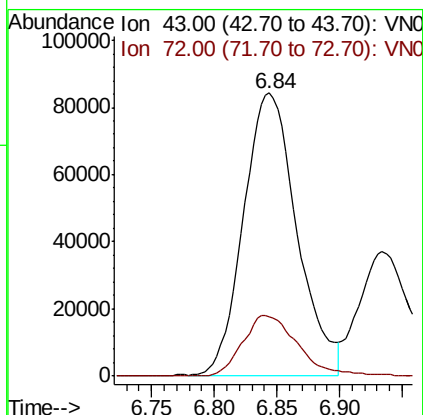
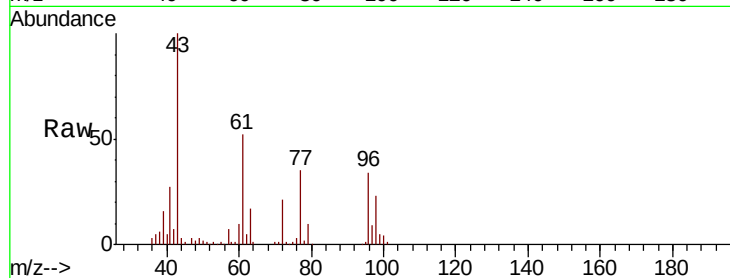




#25
2-Butanone
Concen: 118.509 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

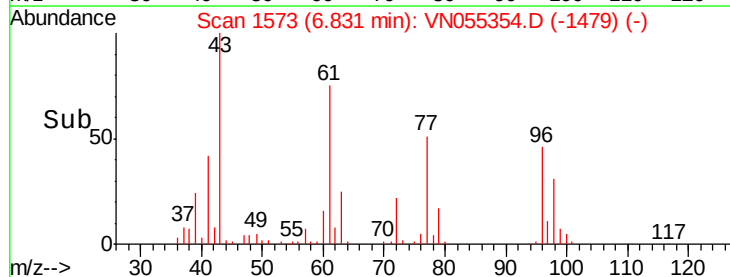
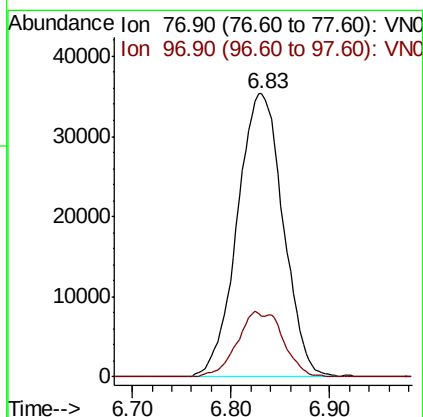
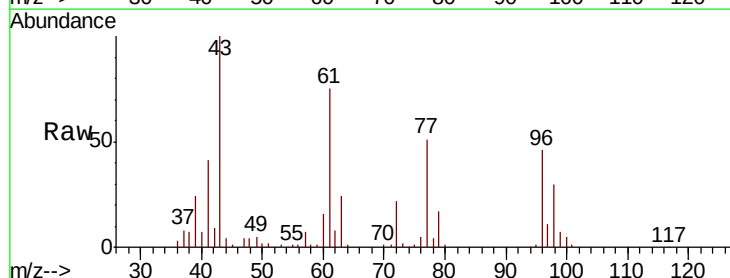
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

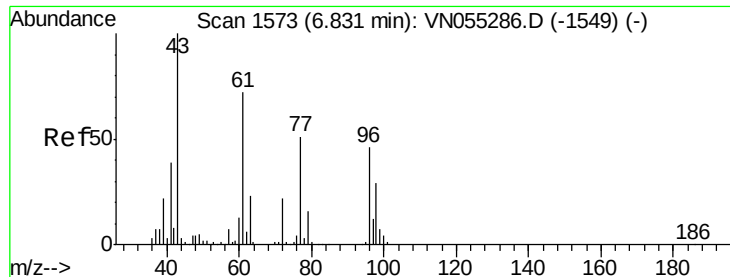
Tot Ion: 43 Resp: 248808
Ion Ratio Lower Upper
43 100
72 21.3 18.0 27.0



#26
2,2-Dichloropropane
Concen: 18.856 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 77 Resp: 113581
Ion Ratio Lower Upper
77 100
97 13.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.763 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

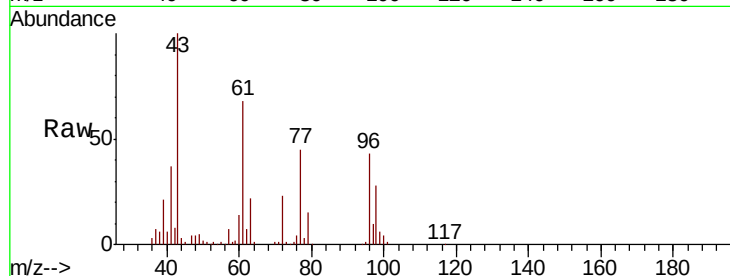
Tot Ion: 96 Resp: 94695

Ion Ratio Lower Upper

96 100

61 161.8 0.0 316.2

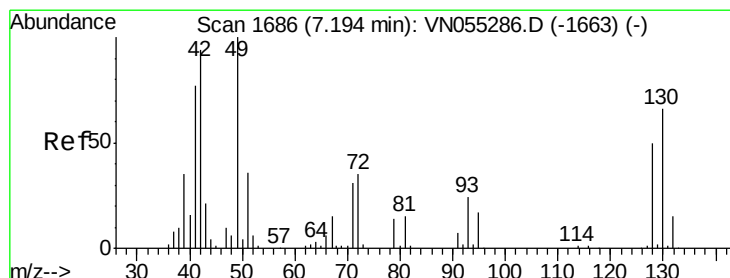
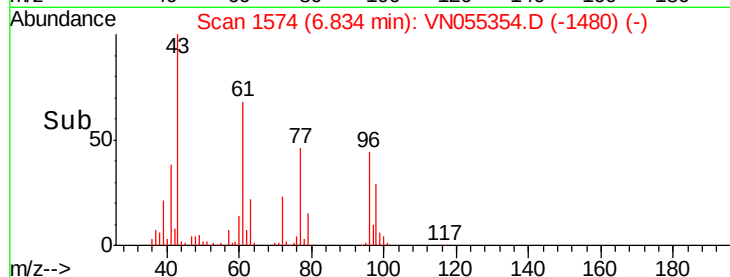
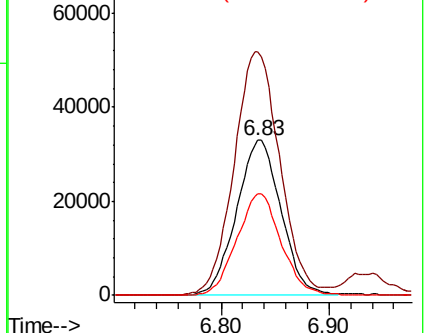
98 65.1 0.0 126.6



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: 19.777 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

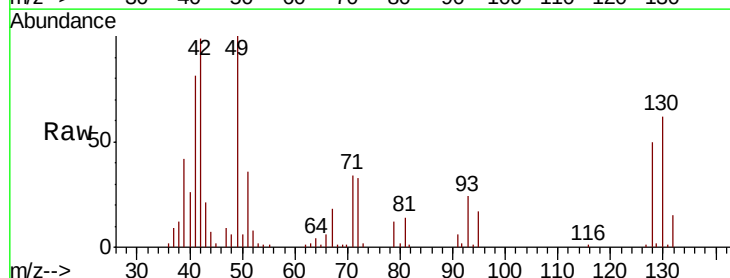
Tgt Ion: 49 Resp: 86959

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.4

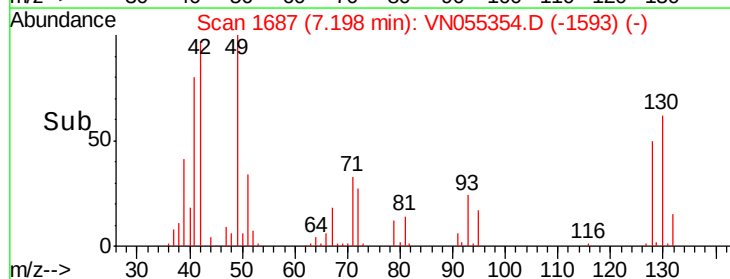
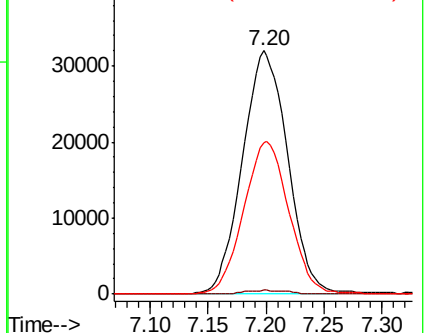
130 62.8 52.0 78.0

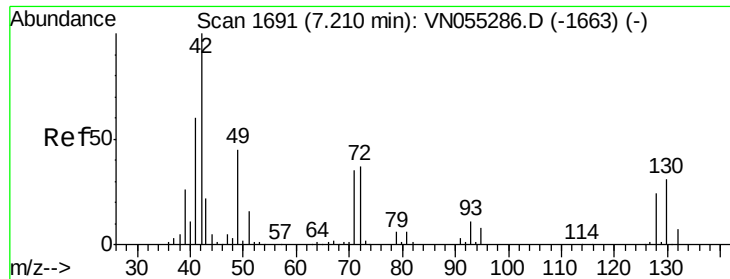


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

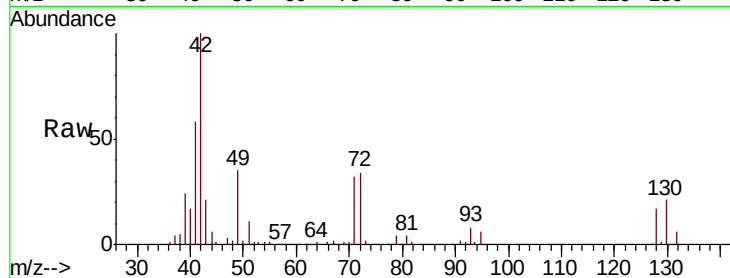




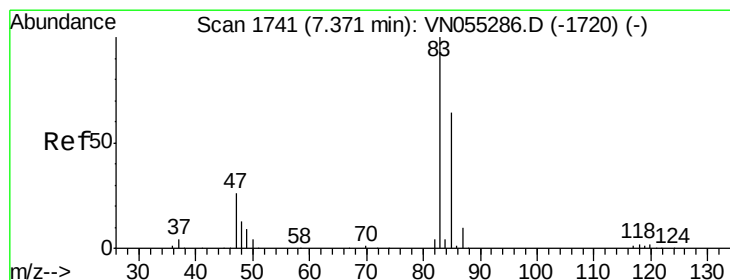
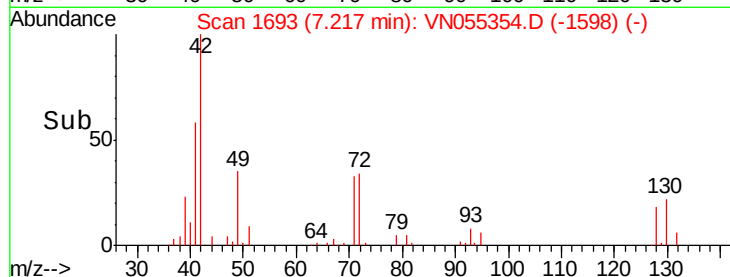
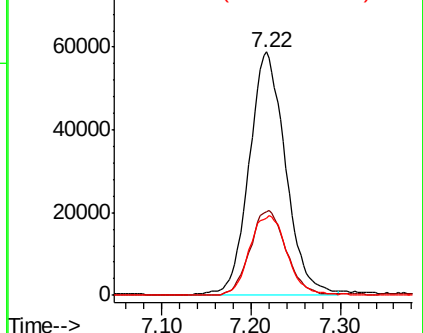
#29
Tetrahydrofuran
Concen: 123.813 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tot Ion: 42 Resp: 166450
Ion Ratio Lower Upper
42 100
72 34.8 29.0 43.6
71 33.9 27.1 40.7

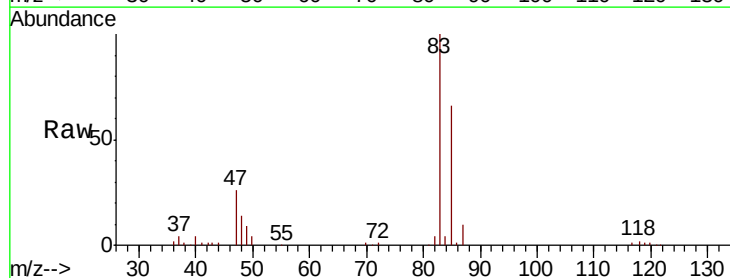


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

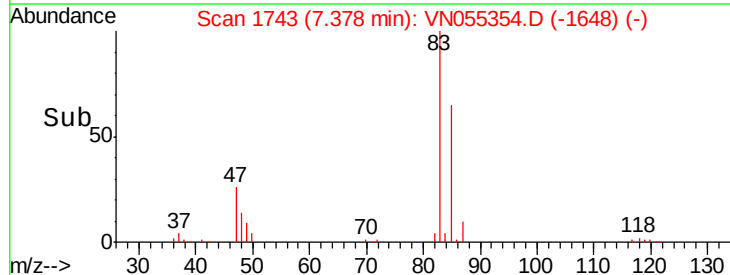
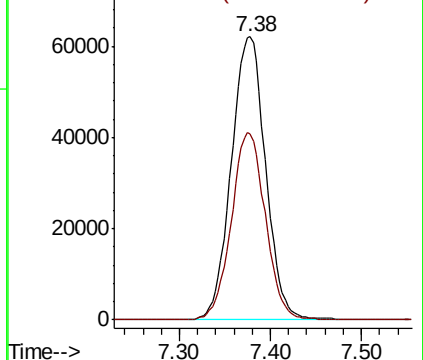


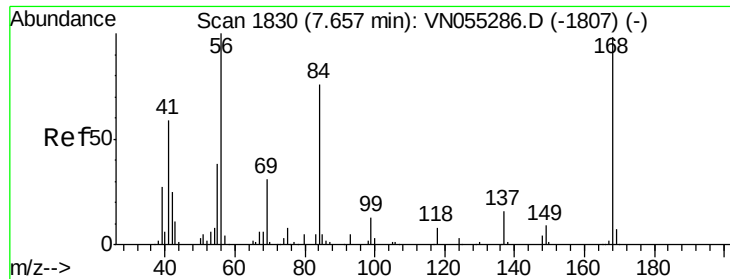
#30
Chloroform
Concen: 19.677 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 83 Resp: 162707
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

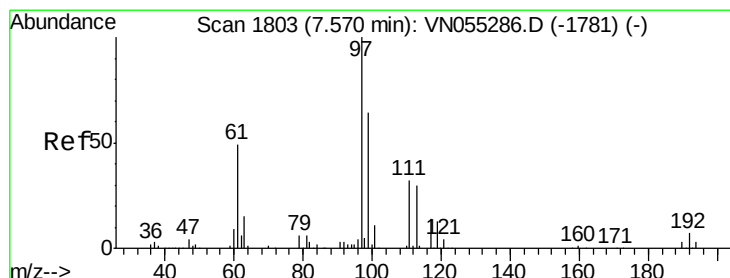
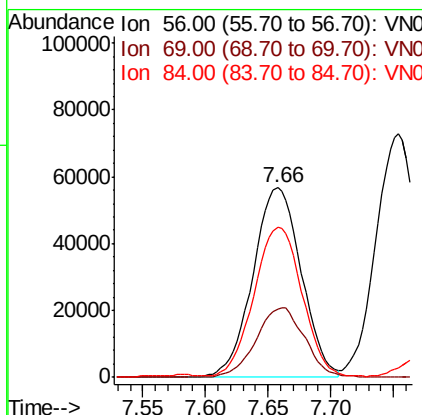
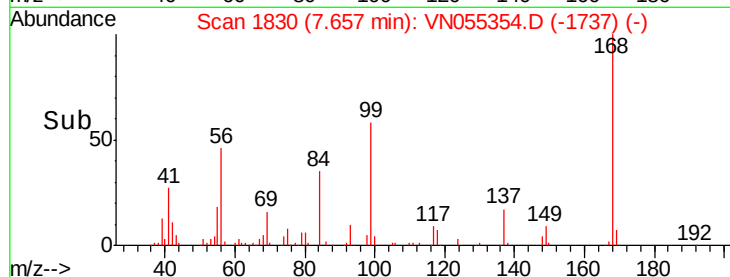
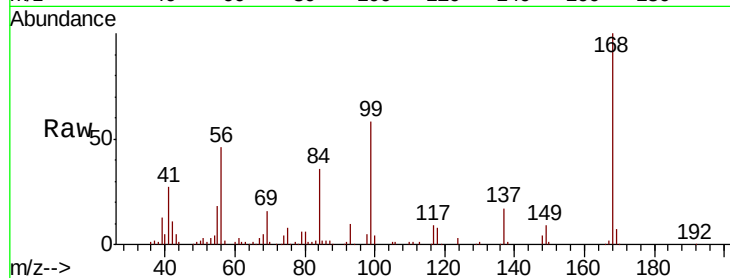




#31
Cyclohexane
Concen: 18.397 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

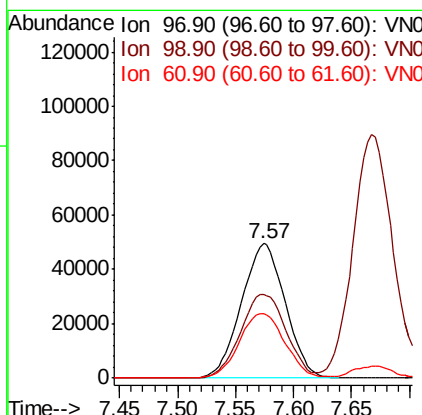
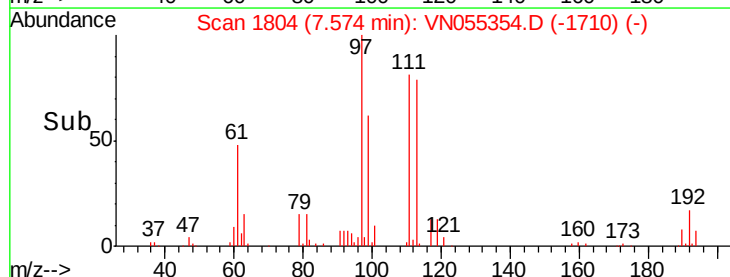
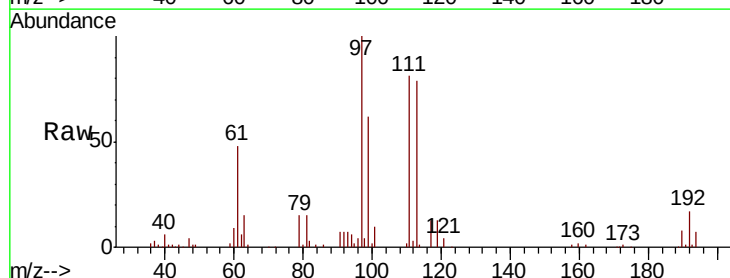
Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

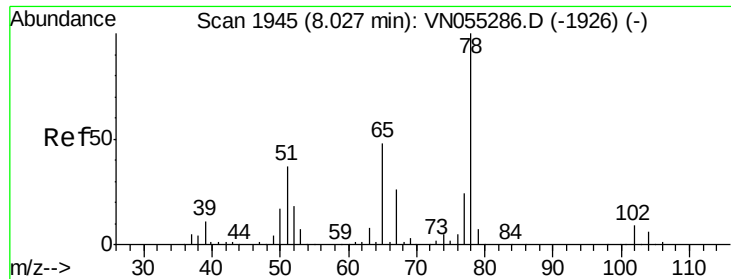
Tot Ion: 56 Resp: 152467
Ion Ratio Lower Upper
56 100
69 35.7 25.2 37.8
84 78.1 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 19.412 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 97 Resp: 130275
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 49.9 39.0 58.6

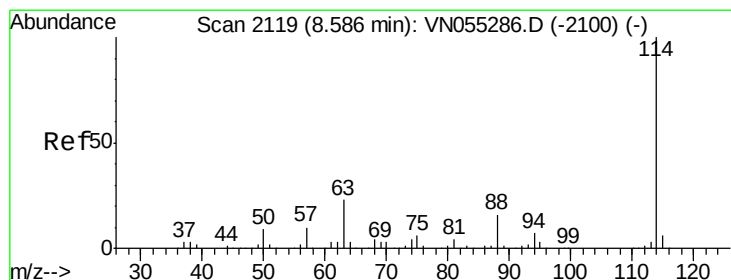
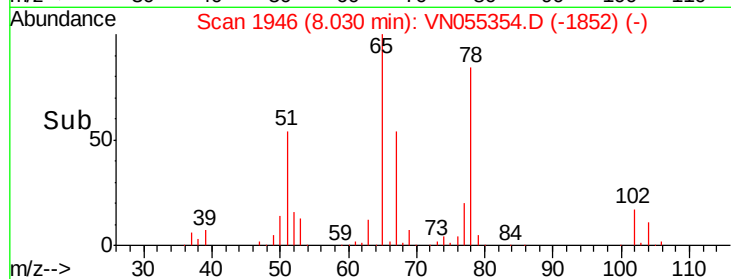
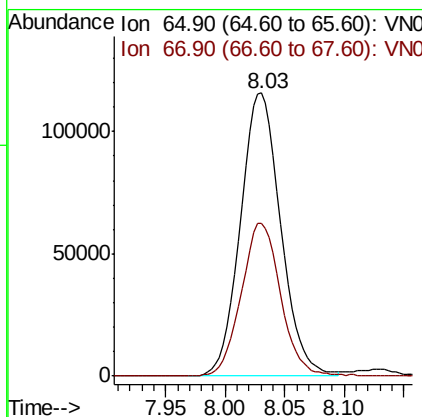
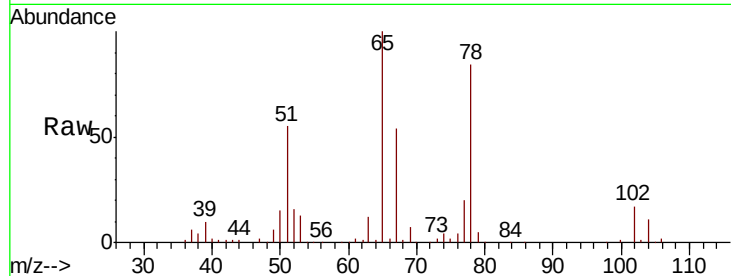




#33
 1,2-Dichloroethane-d4
 Concen: 51.565 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

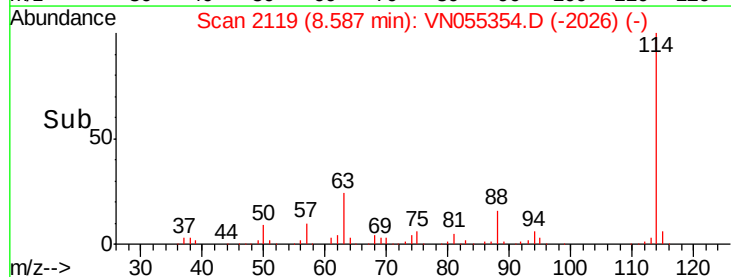
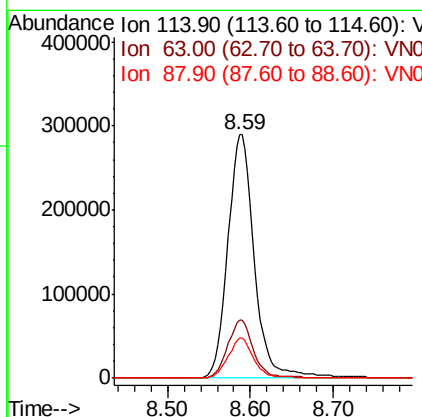
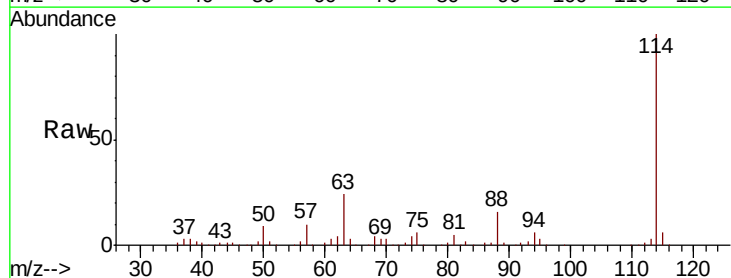
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

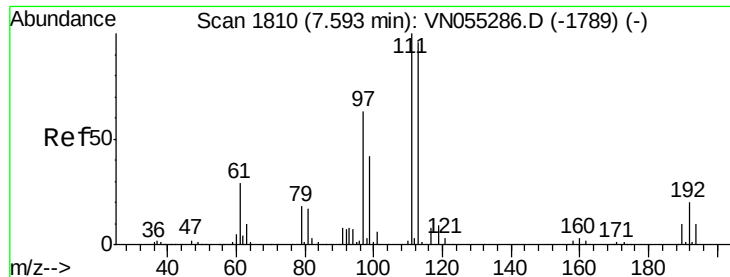
Tot Ion: 65 Resp: 271684
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 114 Resp: 643517
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.2
 88 16.4 0.0 31.6

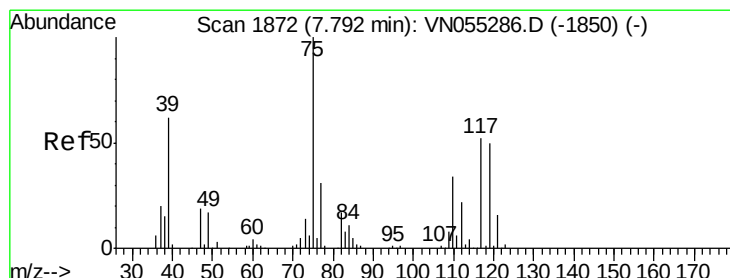
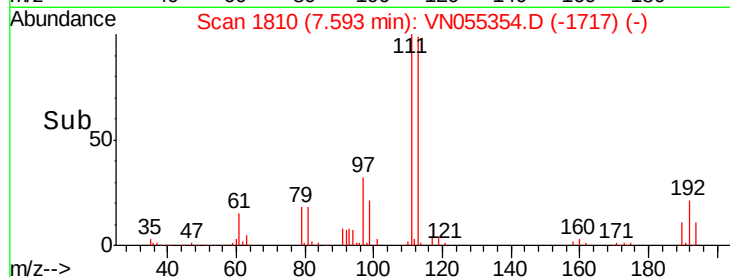
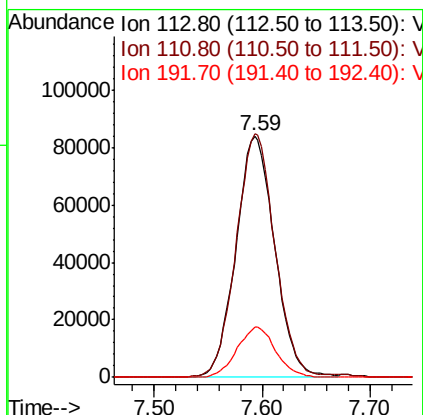
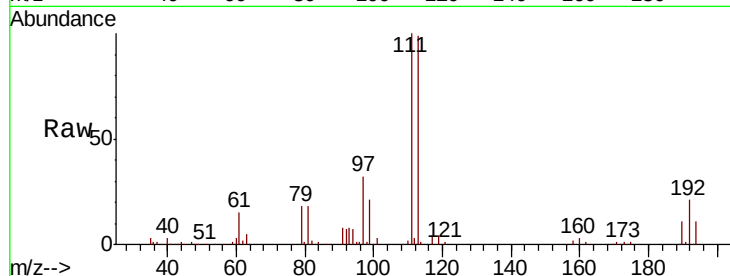




#35
 Dibromofluoromethane
 Concen: 49.679 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

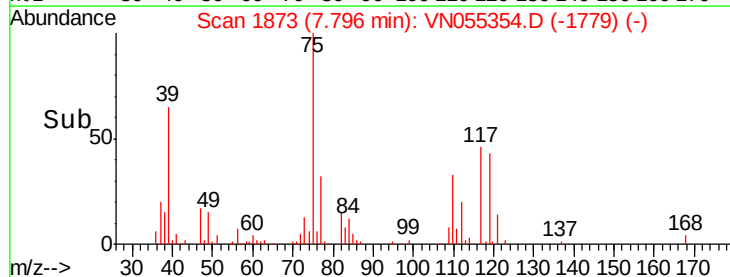
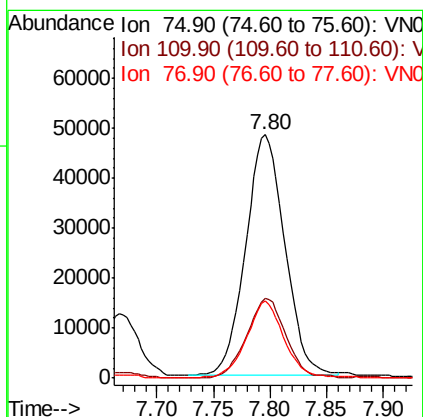
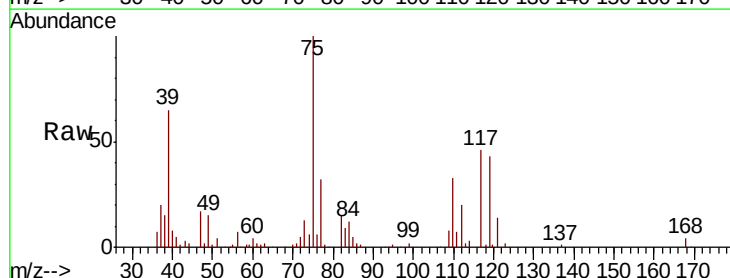
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

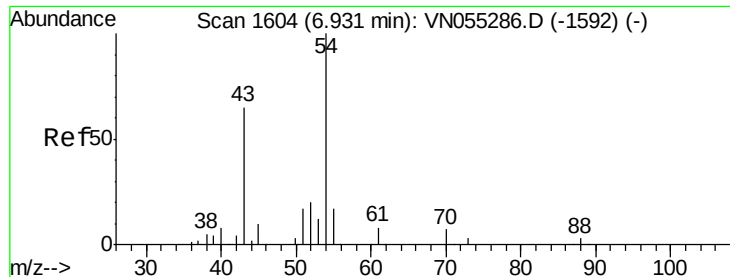
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.3	123.5
192	20.7	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 18.897 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.8	50.4
77	30.7	25.0	37.6

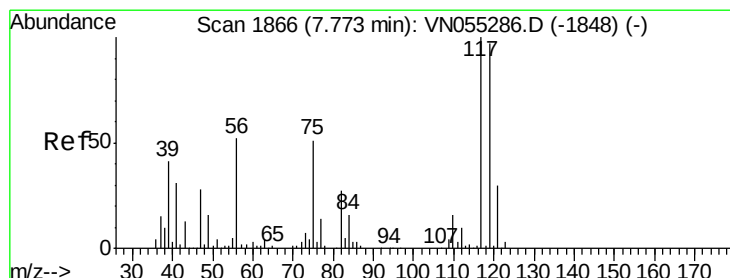
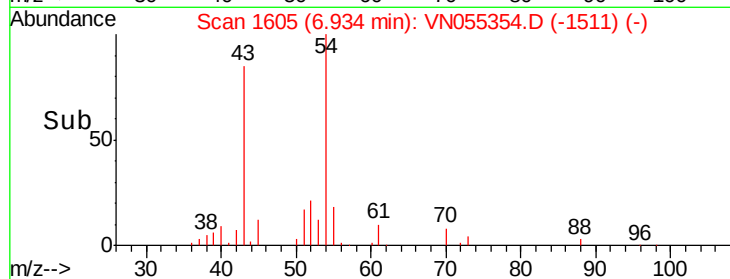
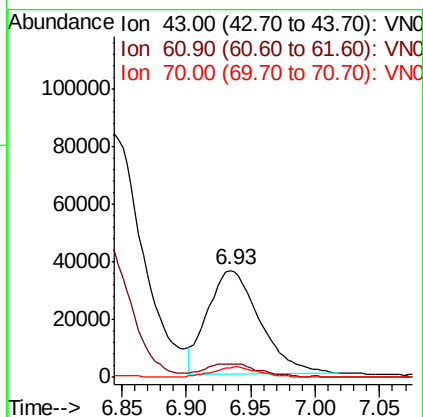
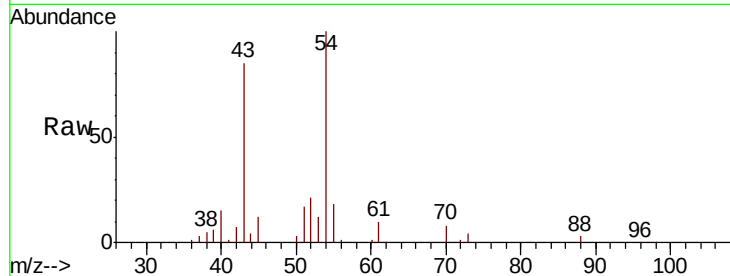




#37
Ethyl Acetate
Concen: 21.516 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

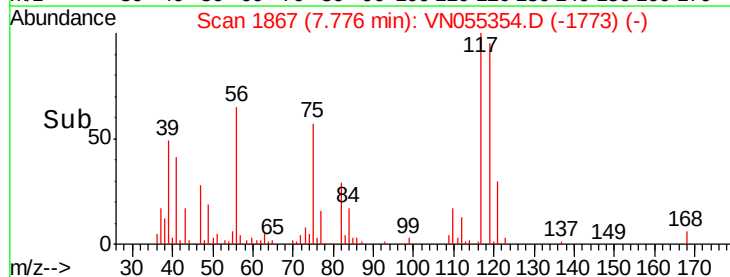
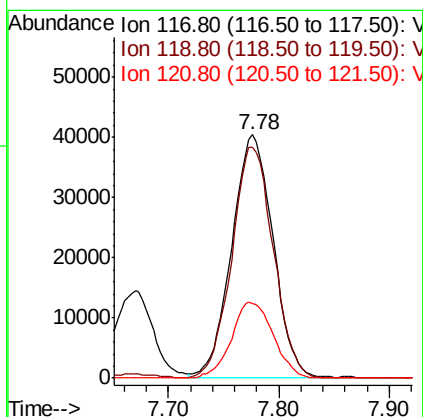
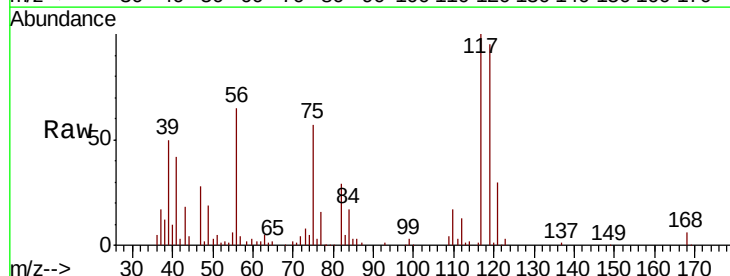
Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

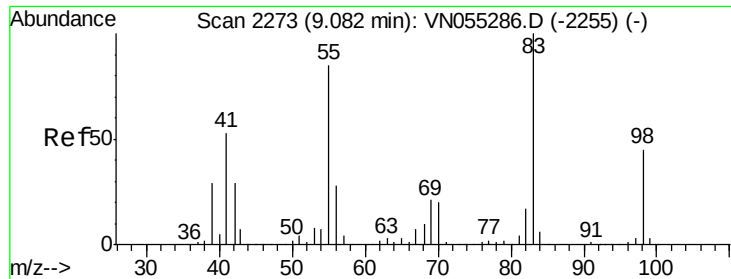
Tot Ion: 43 Resp: 101643
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 9.2 6.6 10.0



#38
Carbon Tetrachloride
Concen: 17.671 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 117 Resp: 105068
Ion Ratio Lower Upper
117 100
119 94.8 77.0 115.6
121 30.5 23.8 35.8

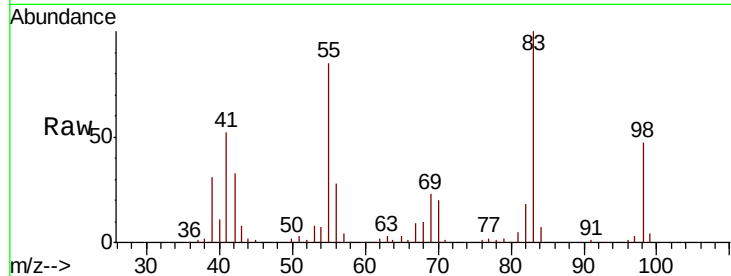




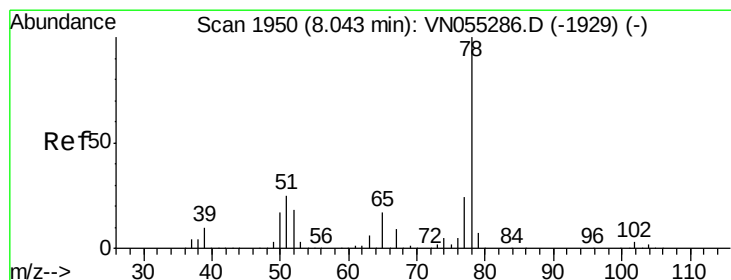
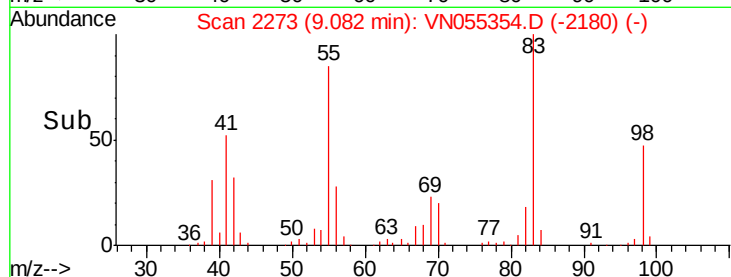
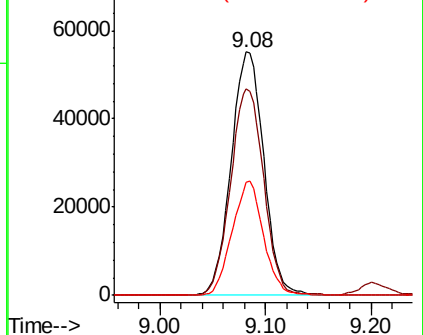
#39
Methylvlcyclohexane
Concen: 18.076 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tot Ion: 83 Resp: 118460
Ion Ratio Lower Upper
83 100
55 84.9 67.8 101.6
98 46.6 36.2 54.4

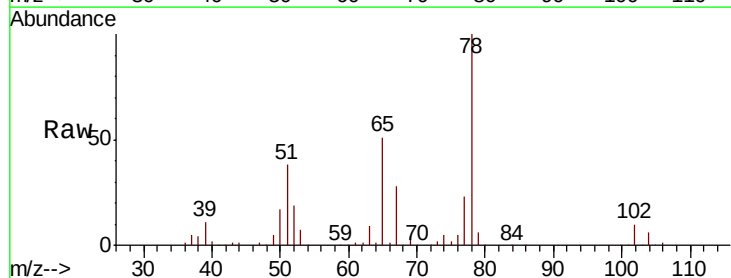


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

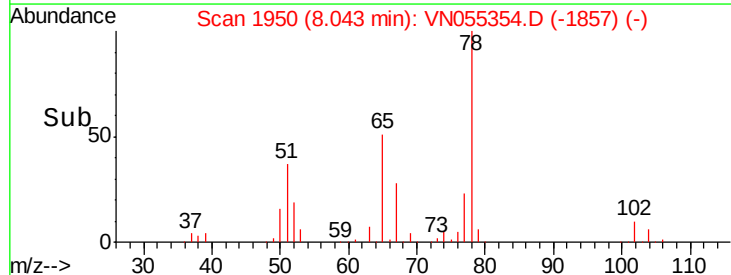
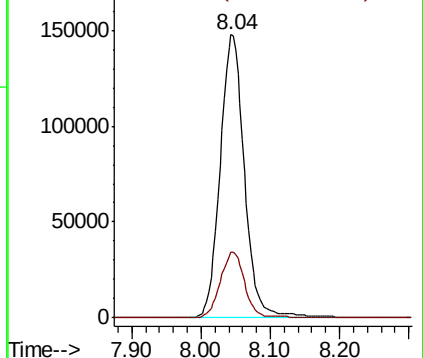


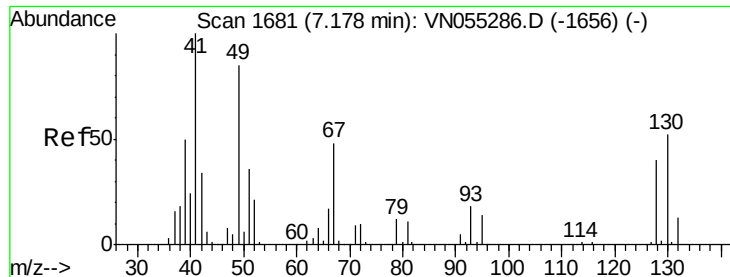
#40
Benzene
Concen: 19.856 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 78 Resp: 360795
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

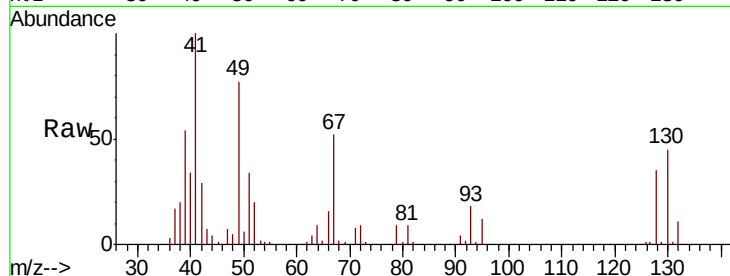




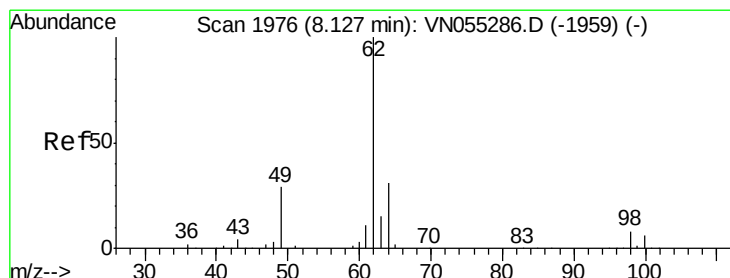
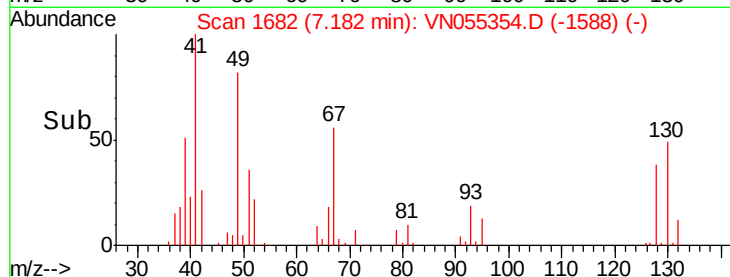
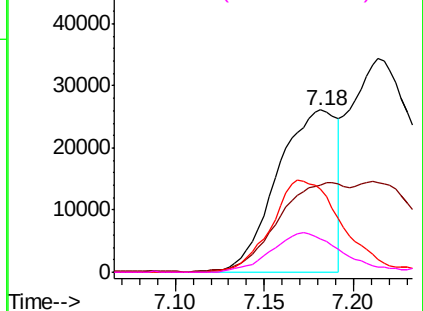
#41
Methacrylonitrile
Concen: 24.183 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

Tot Ion:	41	Resp:	60838
Ion	Ratio	Lower	Upper
41	100		
39	63.8	48.5	72.7
67	68.3	54.9	82.3
52	28.5	24.9	37.3

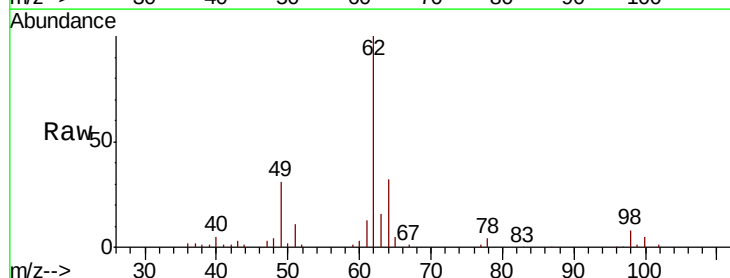


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

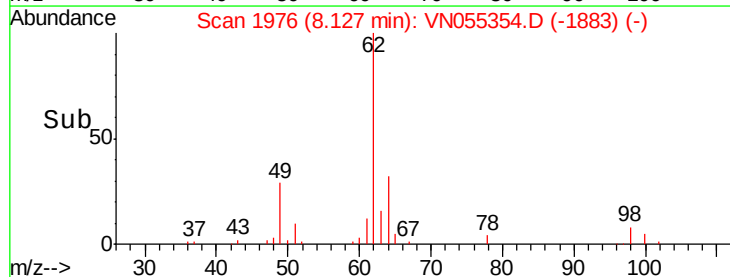
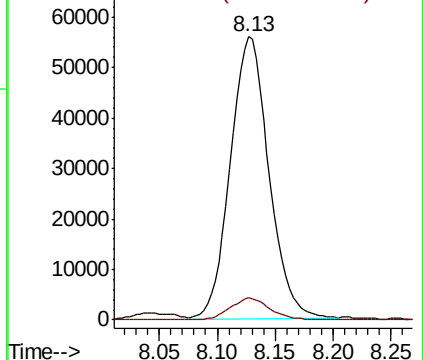


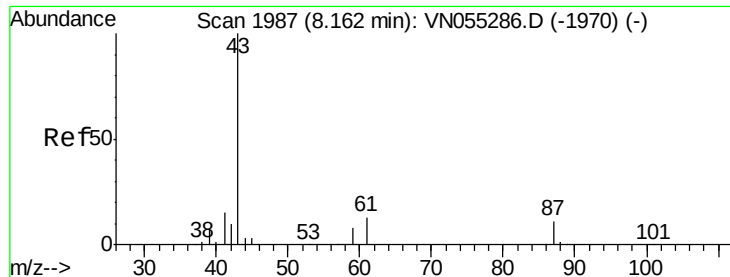
#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:	62	Resp:	128315
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 24.689 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS01

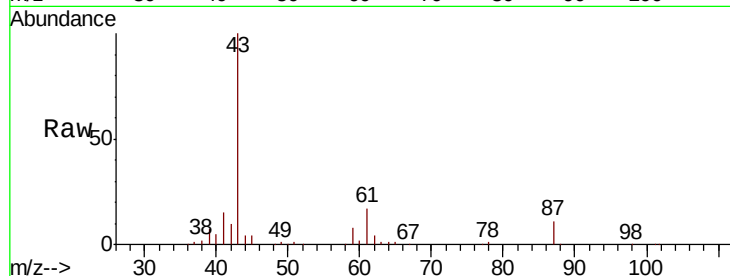
Tot Ion: 43 Resp: 187440

Ion Ratio Lower Upper

43 100

61 17.1 20.8 31.2#

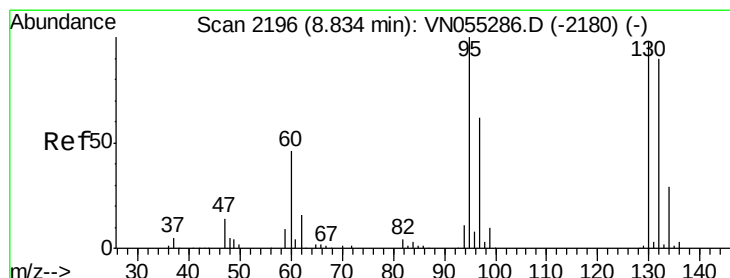
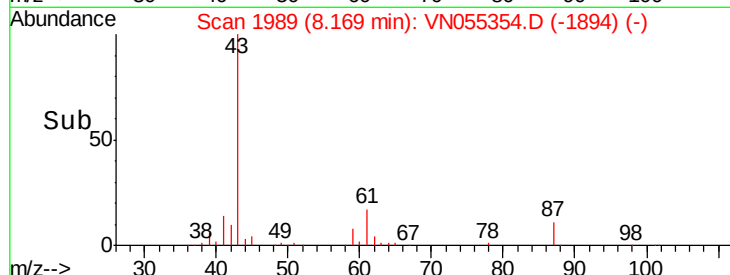
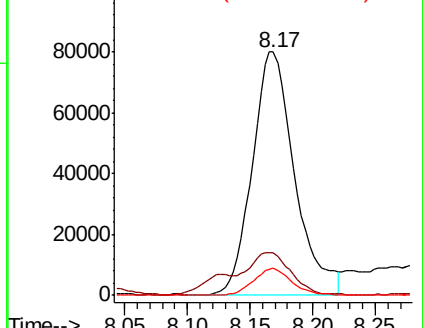
87 10.0 8.5 12.7



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: 18.973 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN055354.D

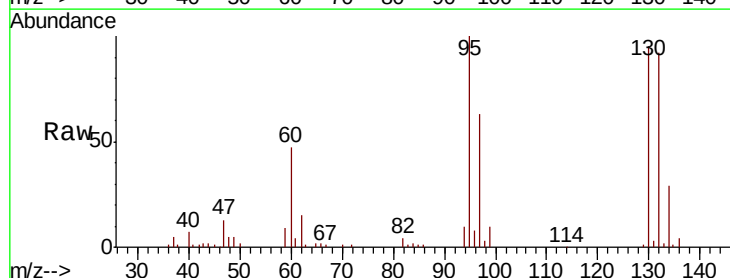
Acq: 2 May 2019 17:10

Tgt Ion:130 Resp: 87886

Ion Ratio Lower Upper

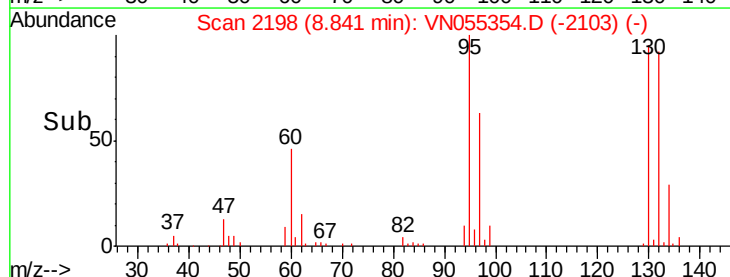
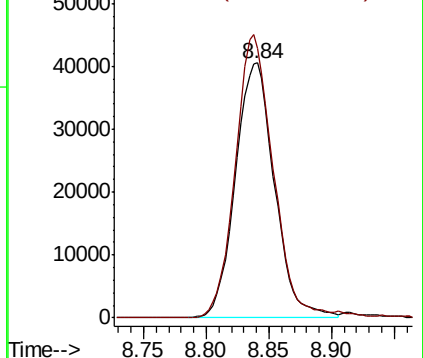
130 100

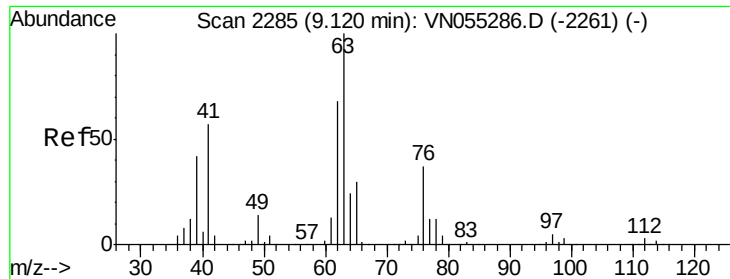
95 105.7 0.0 203.4



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

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

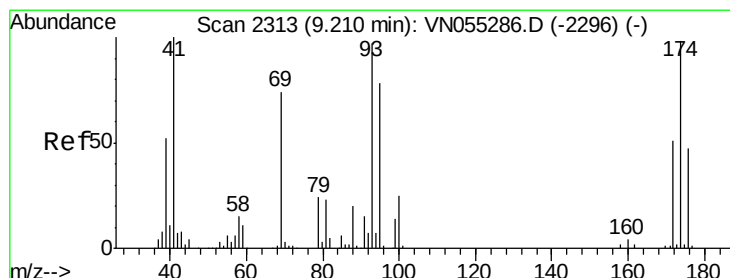
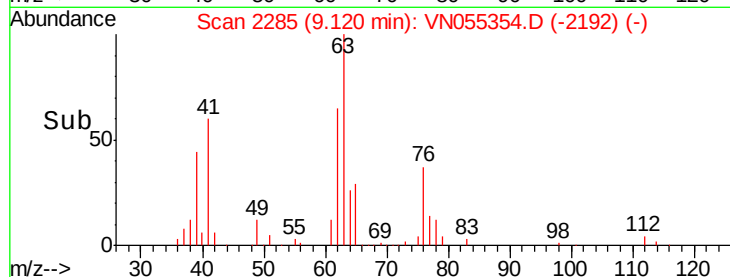
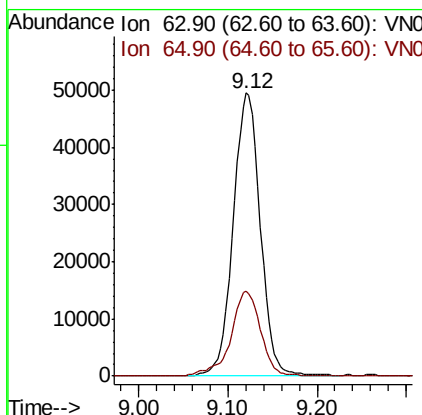
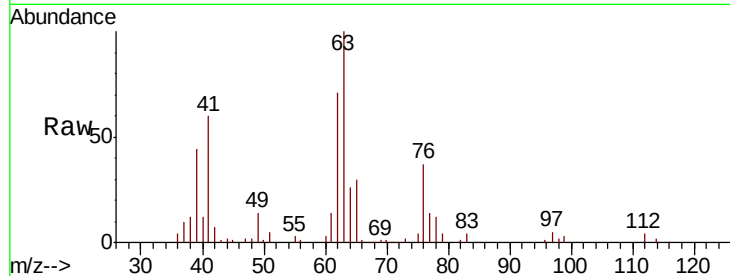




#45
 1,2-Dichloropropane
 Concen: 19.954 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

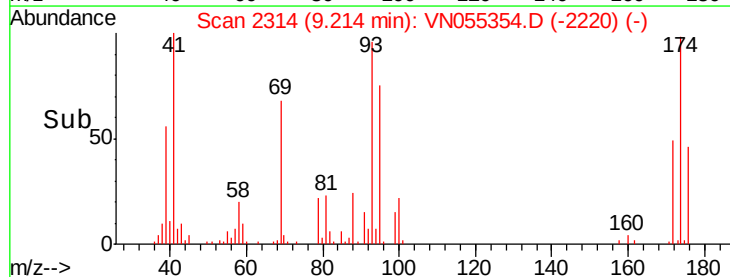
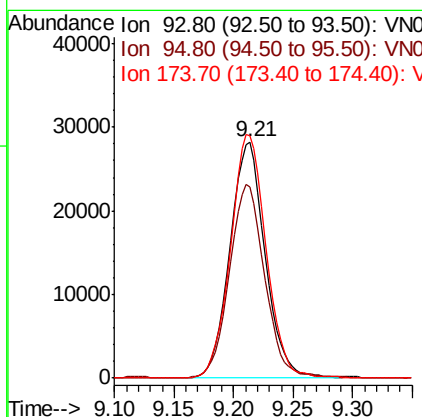
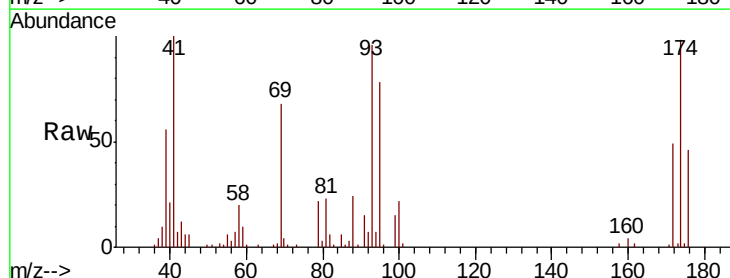
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

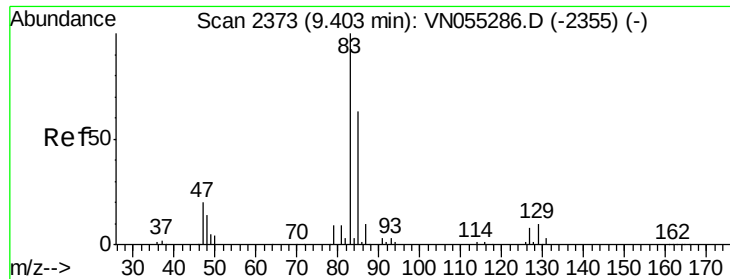
Tot Ion: 63 Resp: 104575
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9



#46
 Dibromomethane
 Concen: 20.212 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 93 Resp: 57901
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.7 98.5
 174 103.9 81.5 122.3





#47

Bromodichloromethane

Concen: 19.488 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

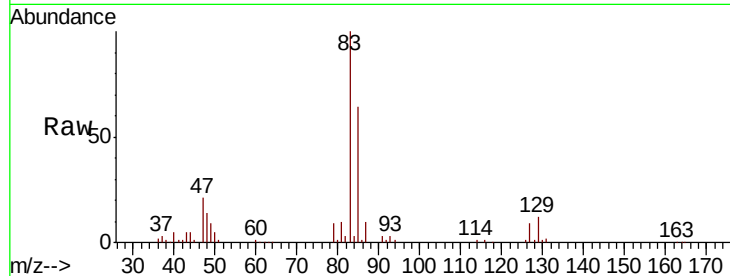
Tot Ion: 83 Resp: 119762

Ion Ratio Lower Upper

83 100

85 64.2 50.1 75.1

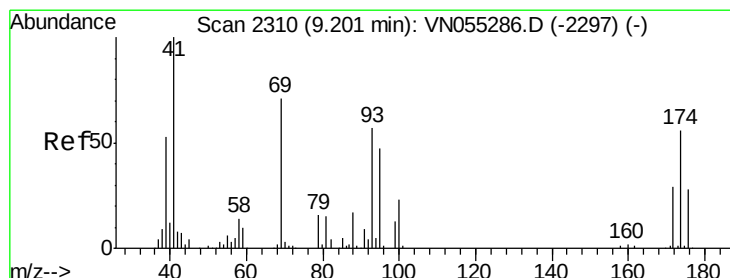
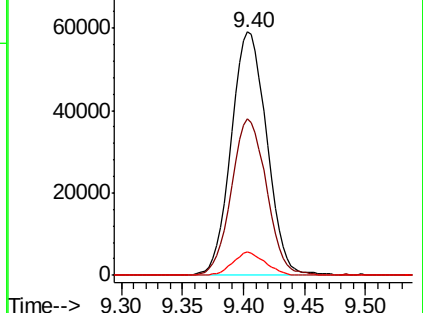
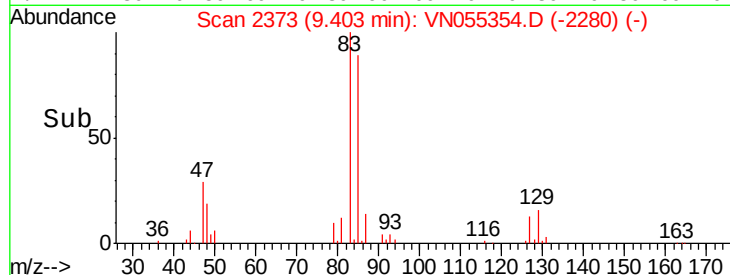
127 9.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055354.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055354.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055354.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.358 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

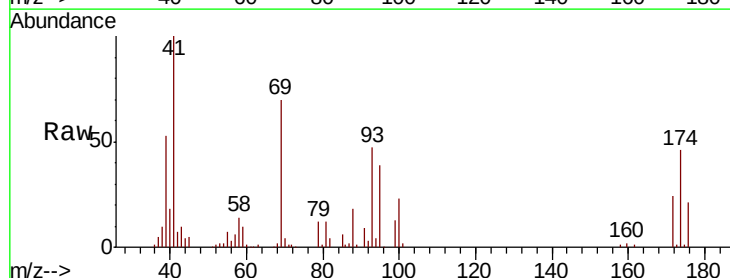
Tgt Ion: 41 Resp: 83444

Ion Ratio Lower Upper

41 100

69 74.3 58.6 87.8

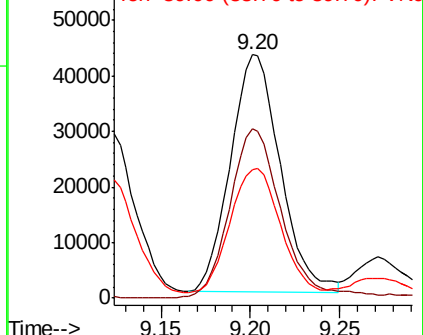
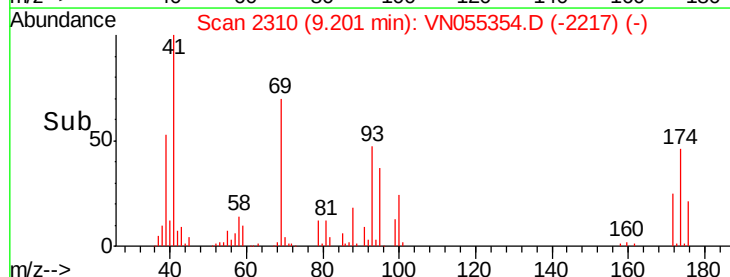
39 55.8 43.8 65.6

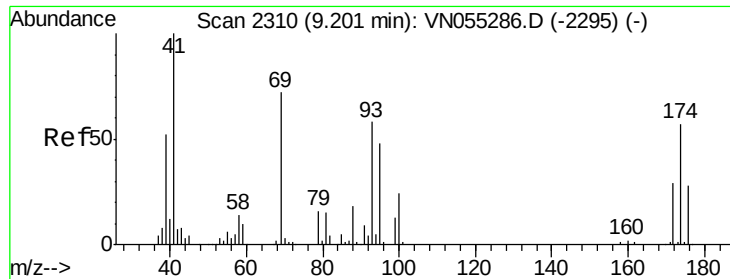


Abundance Ion 41.00 (40.70 to 41.70): VN055354.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055354.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055354.D (-2217) (-)





#49

1,4-Dioxane

Concen: 468.468 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

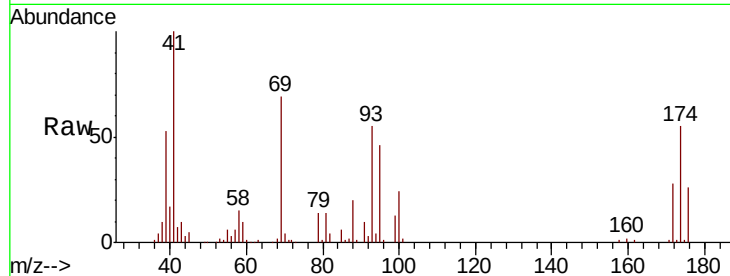
Tot Ion: 88 Resp: 18074

Ion Ratio Lower Upper

88 100

43 45.1 33.3 49.9

58 84.8 62.7 94.1

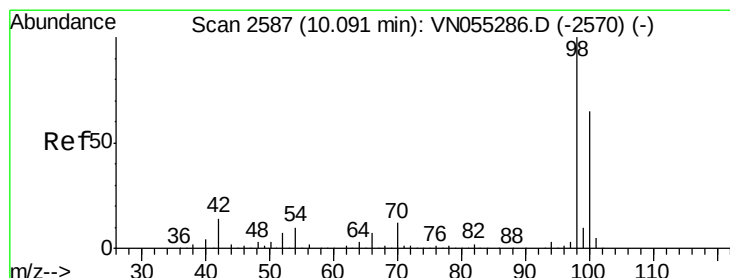
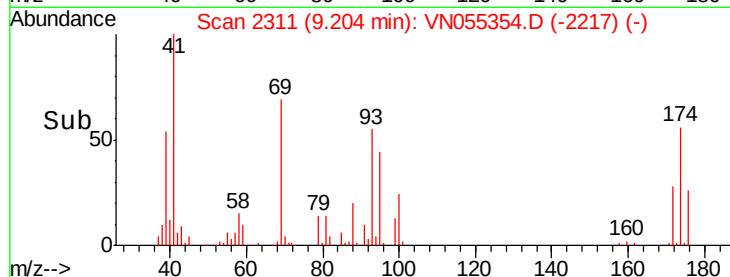
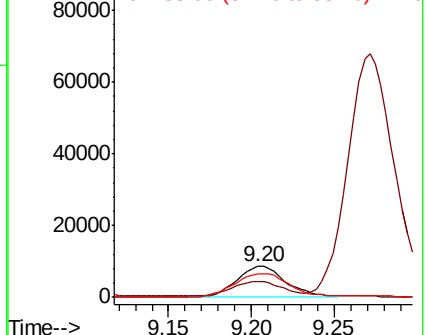


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.628 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055354.D

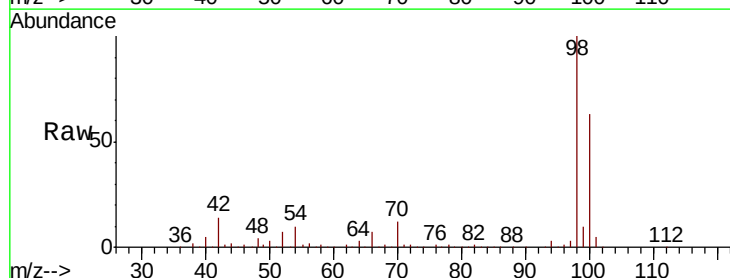
Acq: 2 May 2019 17:10

Tgt Ion: 98 Resp: 756914

Ion Ratio Lower Upper

98 100

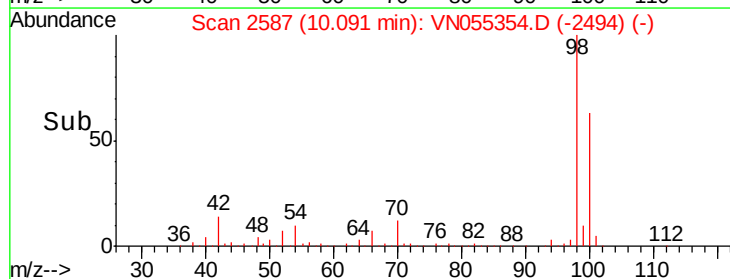
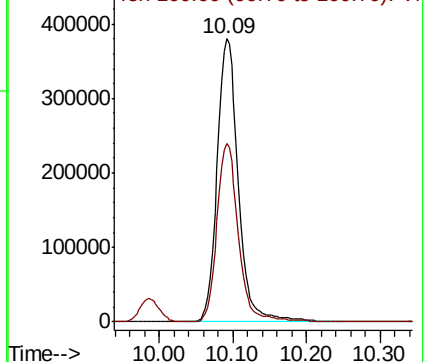
100 63.8 51.7 77.5

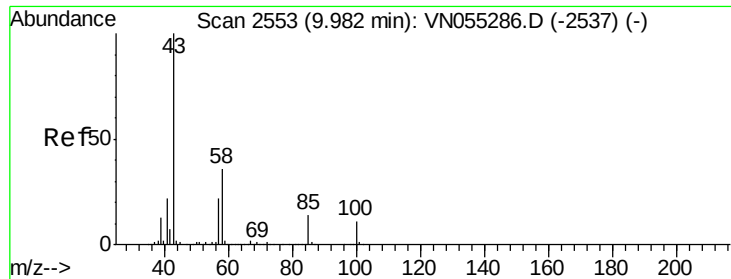


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 118.704 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

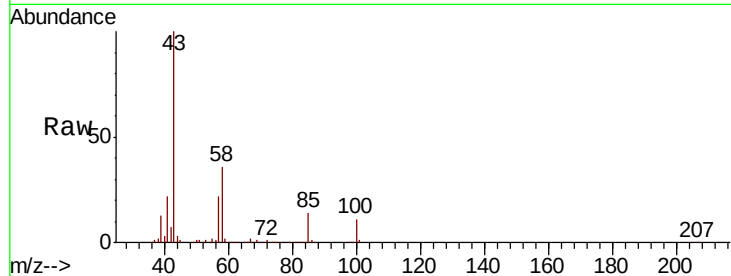
VN0502MBS01

Tot Ion: 43 Resp: 507383

Ion Ratio Lower Upper

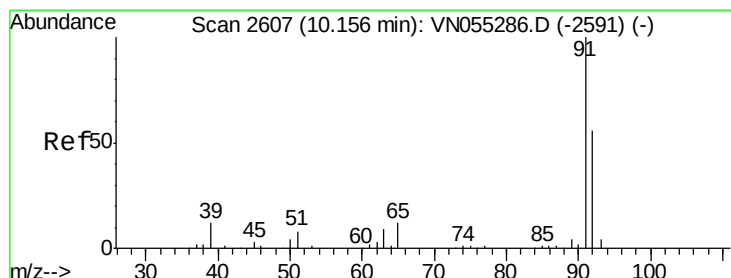
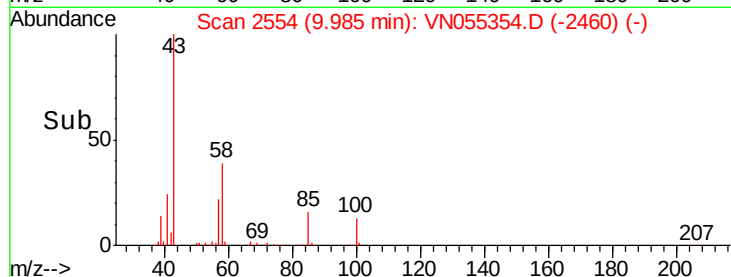
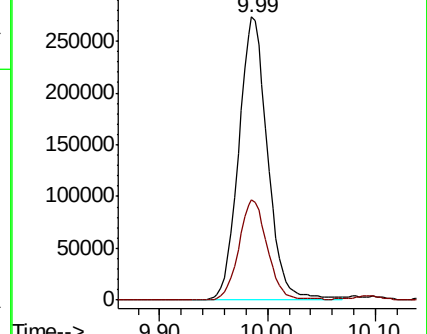
43 100

58 35.1 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: 20.110 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055354.D

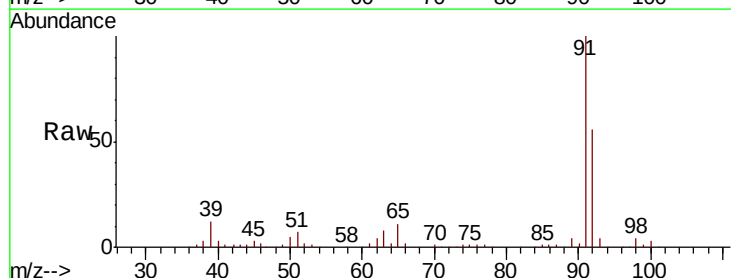
Acq: 2 May 2019 17:10

Tgt Ion: 92 Resp: 209663

Ion Ratio Lower Upper

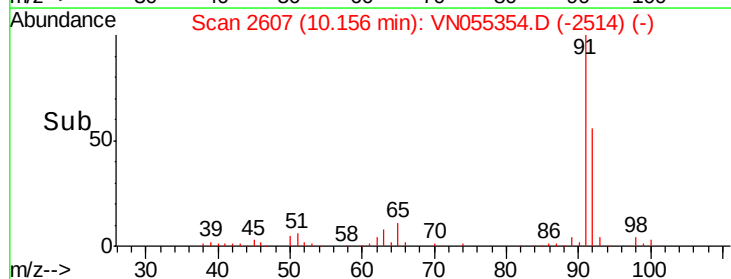
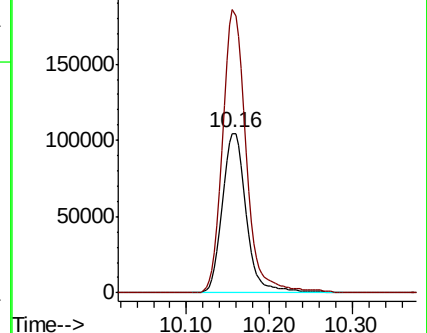
92 100

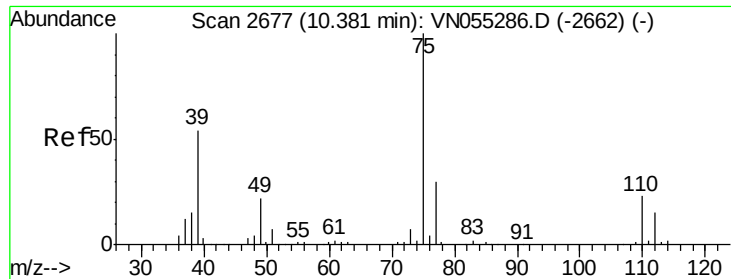
91 174.3 140.1 210.1



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: 20.700 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

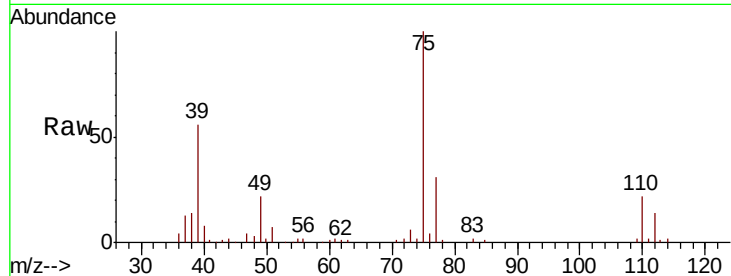
VN0502MBS01

Tot Ion: 75 Resp: 110430

Ion Ratio Lower Upper

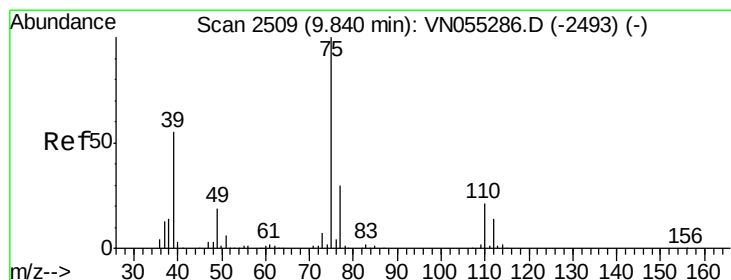
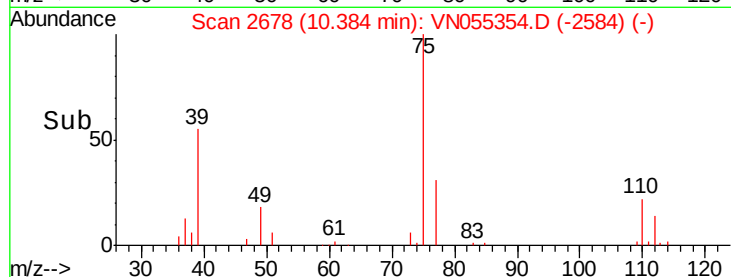
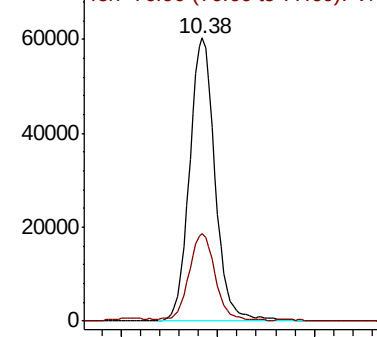
75 100

77 30.8 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.409 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

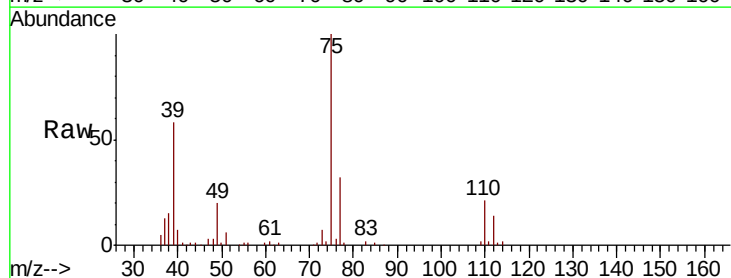
Tgt Ion: 75 Resp: 135754

Ion Ratio Lower Upper

75 100

77 32.2 24.2 36.2

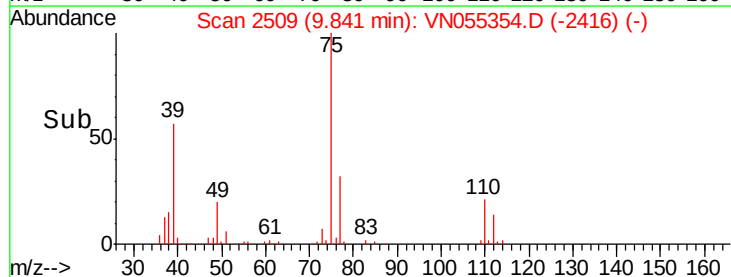
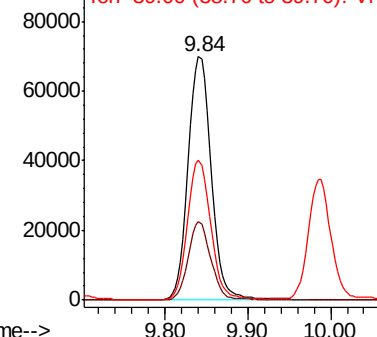
39 57.3 44.2 66.2

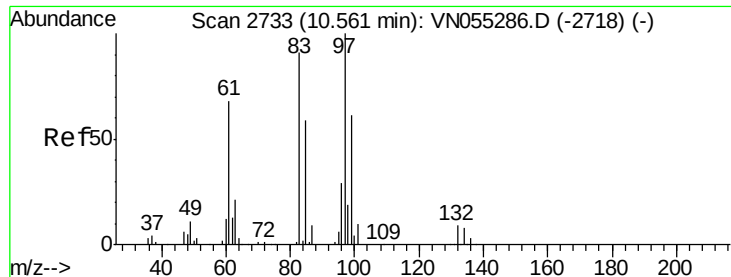


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

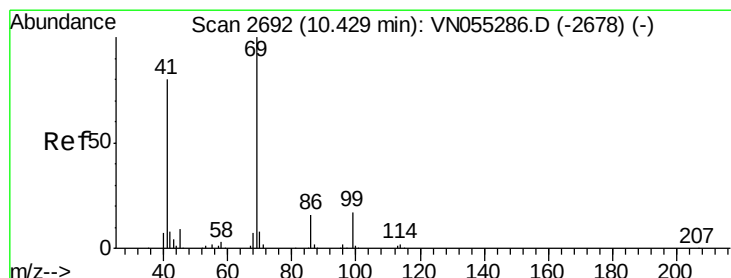
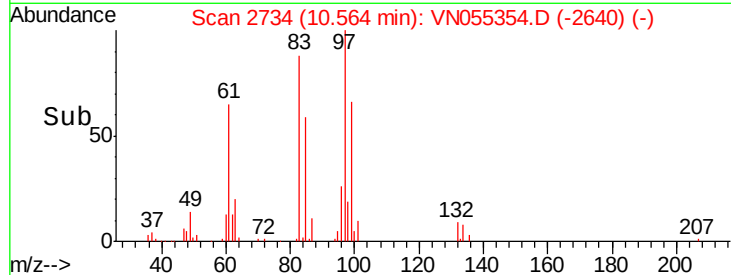
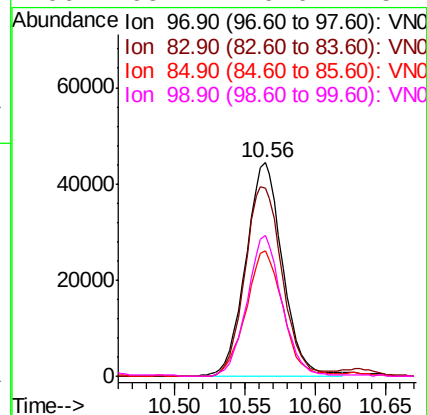
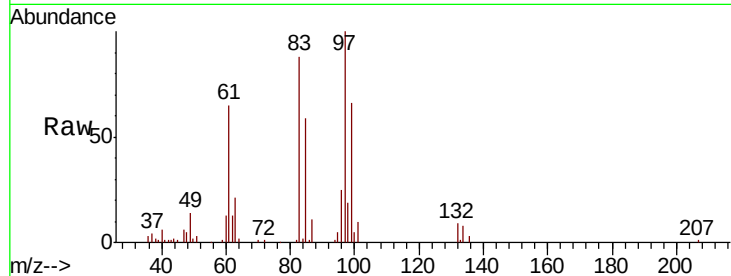




#55
 1,1,2-Trichloroethane
 Concen: 20.974 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

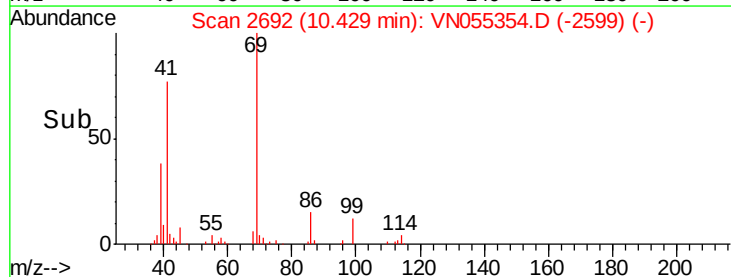
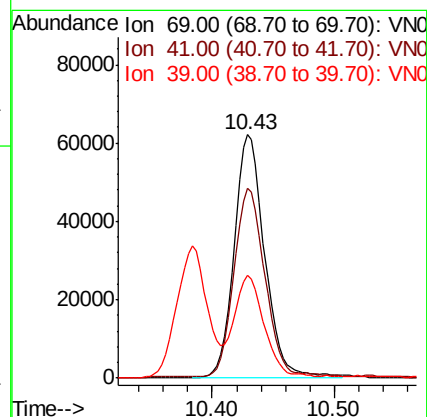
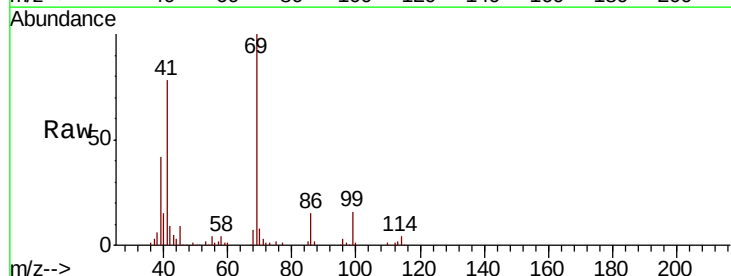
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

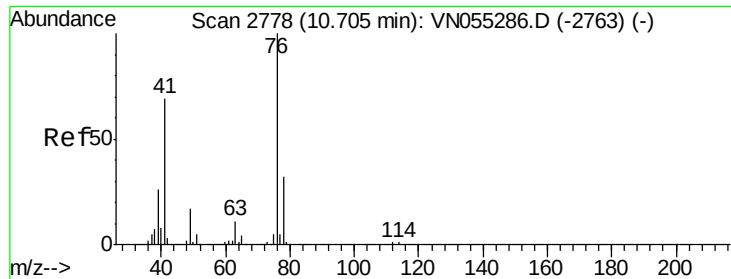
Tot Ion: 97 Resp: 81201
 Ion Ratio Lower Upper
 97 100
 83 87.8 72.8 109.2
 85 58.9 47.0 70.6
 99 65.7 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 22.733 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 69 Resp: 108327
 Ion Ratio Lower Upper
 69 100
 41 78.5 62.7 94.1
 39 41.2 32.0 48.0





#57

1,3-Dichloropropane

Concen: 21.105 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

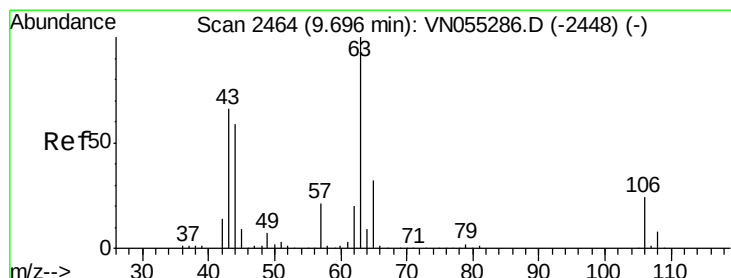
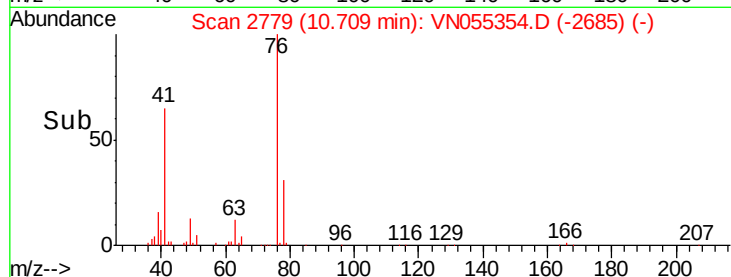
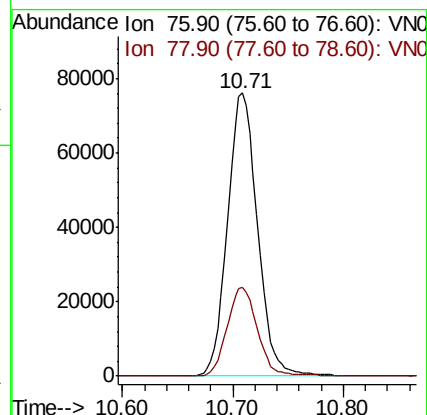
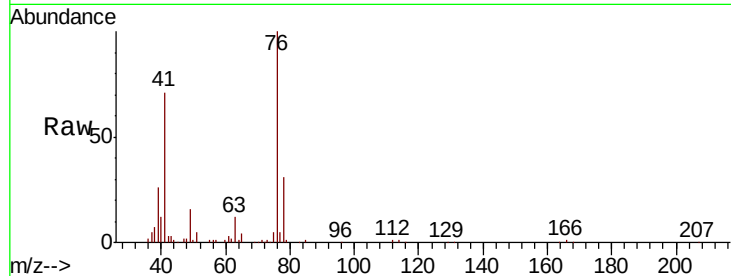
VN0502MBS01

Tot Ion: 76 Resp: 143343

Ion Ratio Lower Upper

76 100

78 31.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 92.831 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055354.D

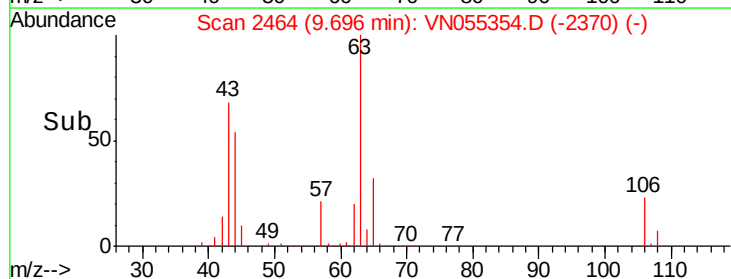
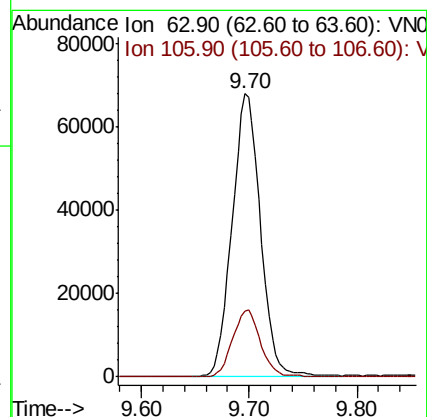
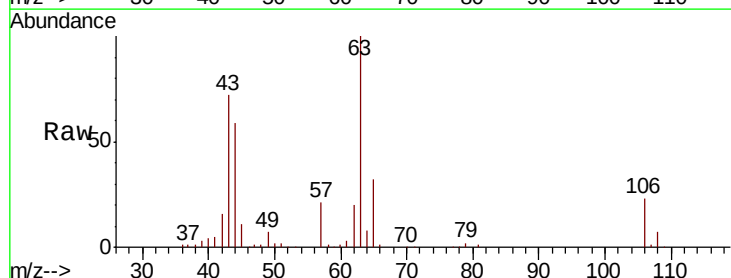
Acq: 2 May 2019 17:10

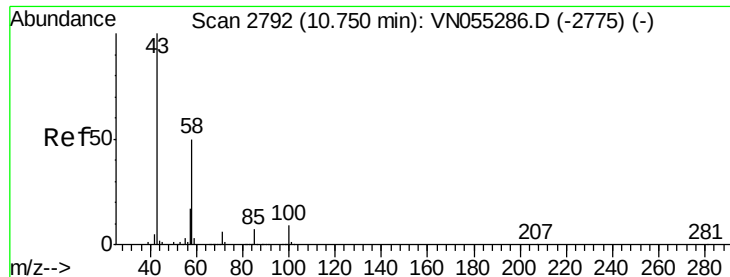
Tgt Ion: 63 Resp: 125151

Ion Ratio Lower Upper

63 100

106 22.9 19.0 28.4

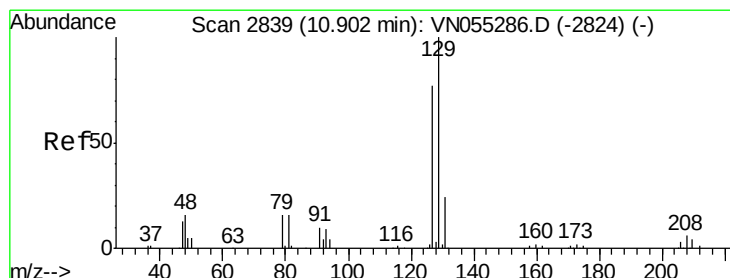
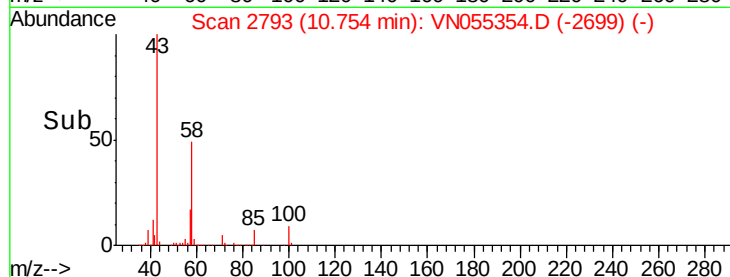
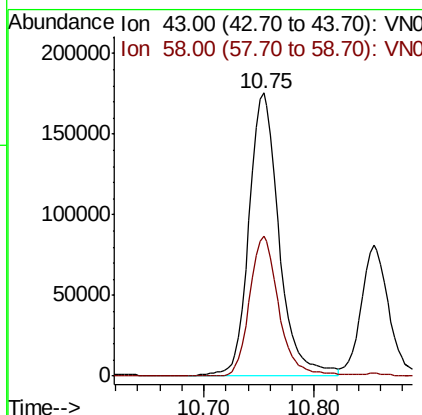
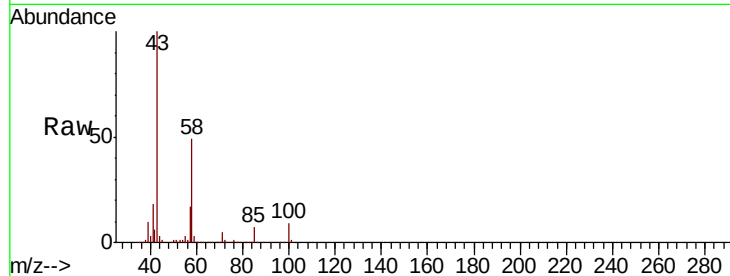




#59
2-Hexanone
Concen: 123.446 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

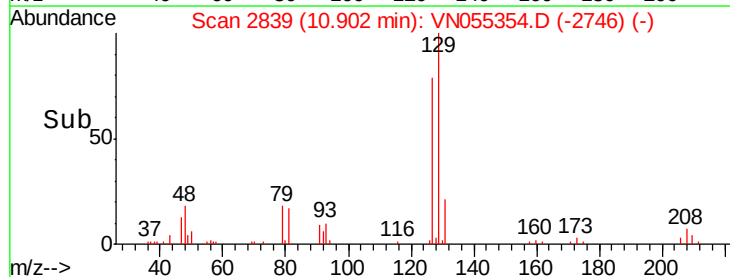
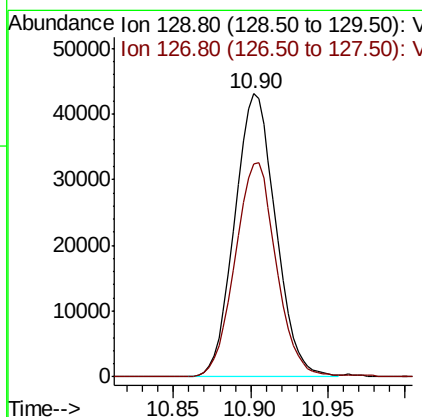
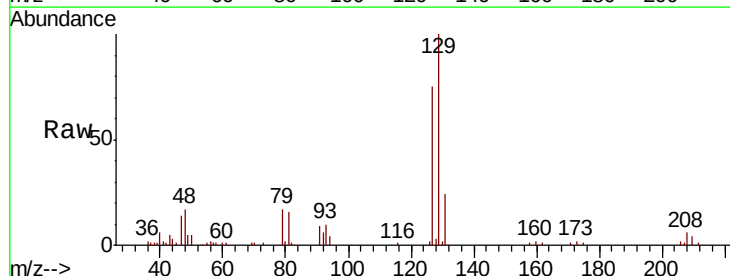
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

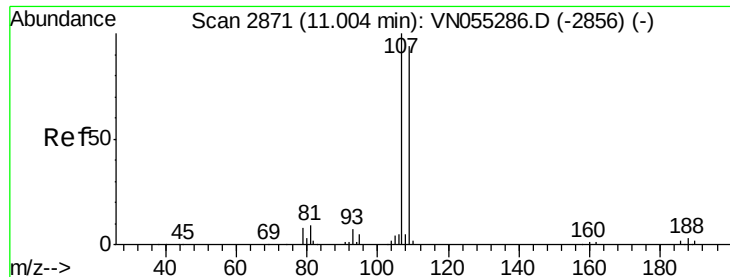
Tot Ion: 43 Resp: 330146
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6



#60
Dibromochloromethane
Concen: 20.078 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 129 Resp: 79445
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.5

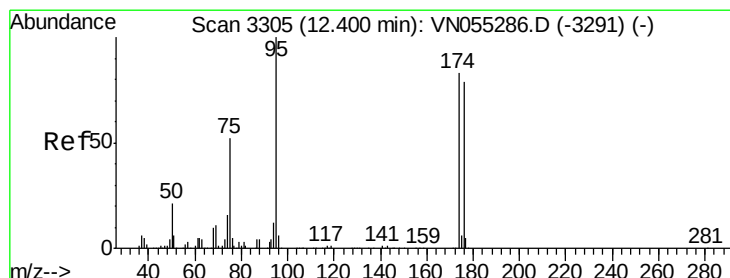
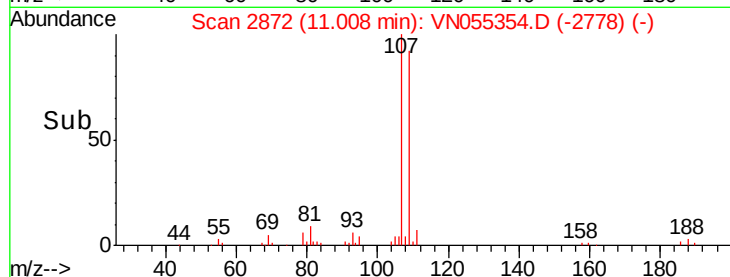
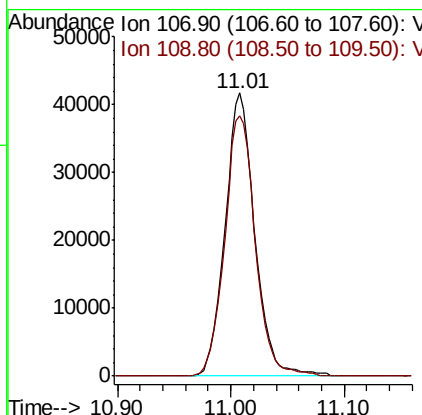
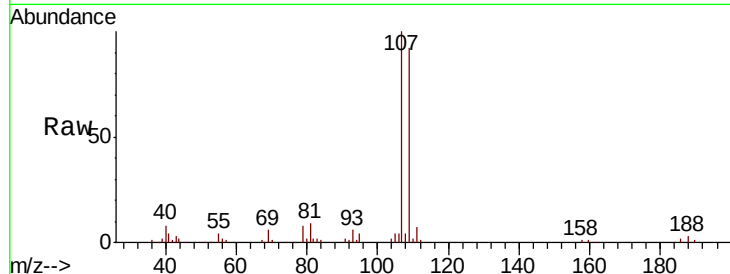




#61
 1,2-Dibromoethane
 Concen: 21.221 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

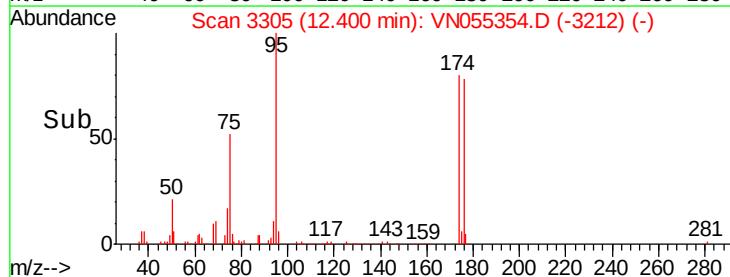
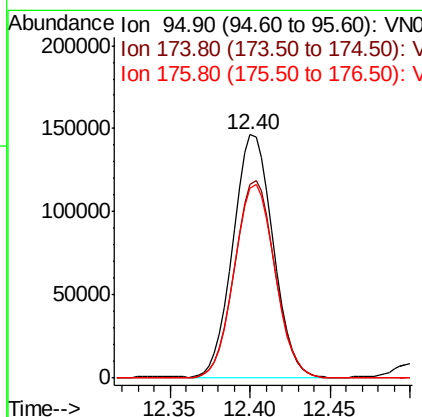
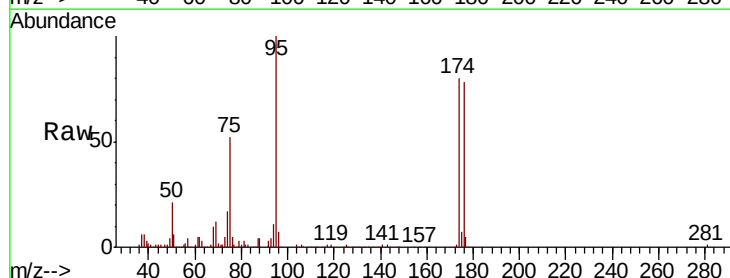
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

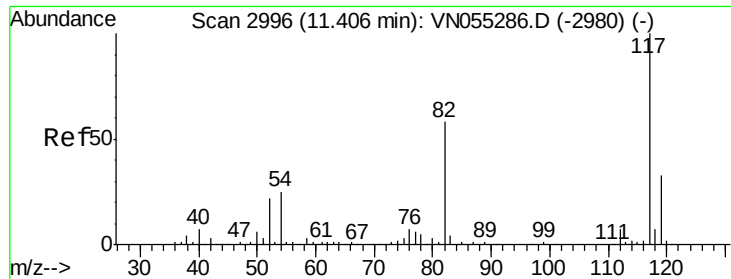
Tot Ion:107 Resp: 75939
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.227 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 95 Resp: 248954
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 166.6
 176 81.0 0.0 157.8

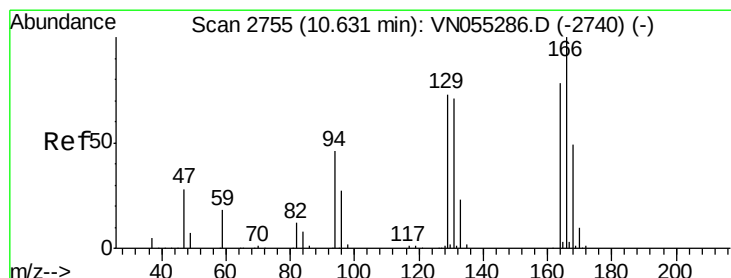
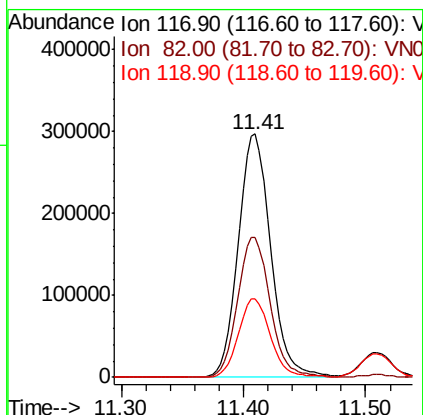
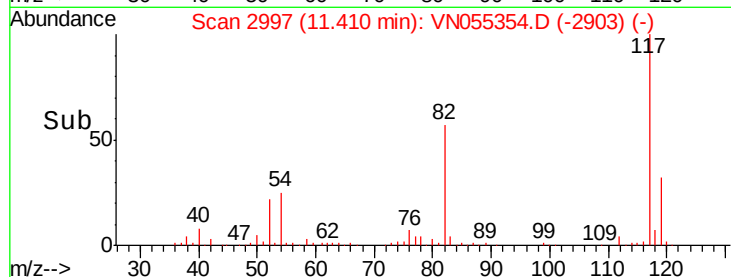
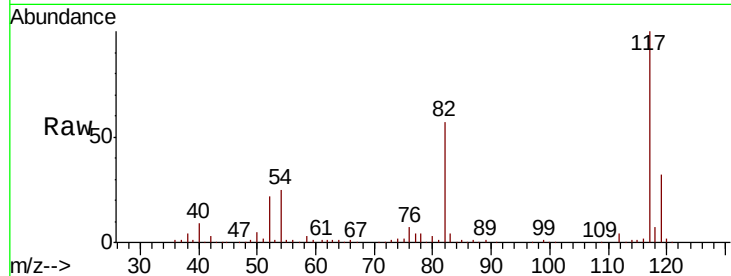




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

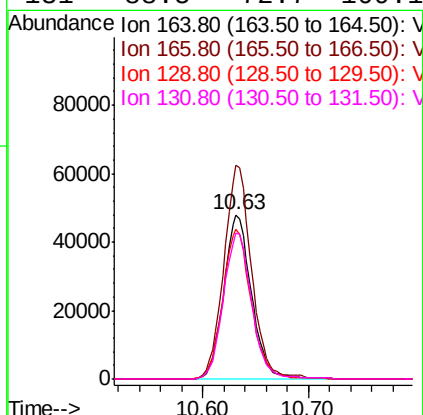
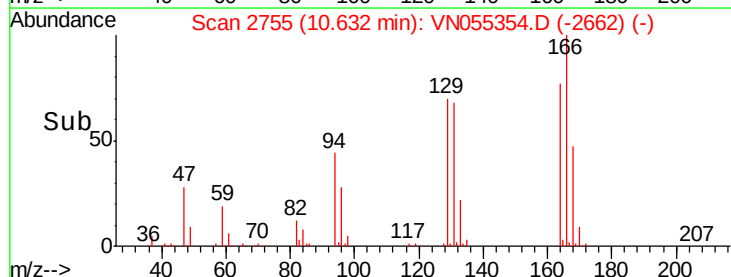
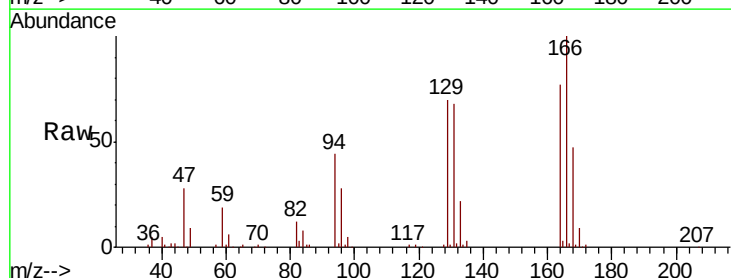
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

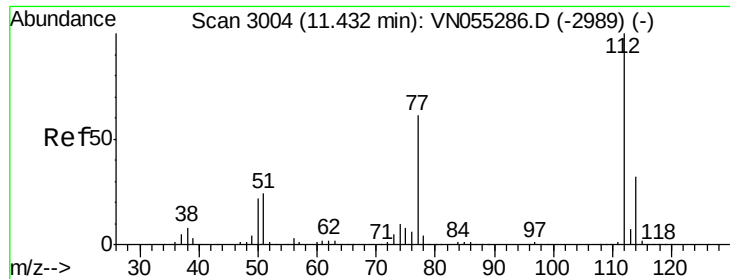
Tot Ion:117 Resp: 545406
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.2 26.6 40.0



#64
Tetrachloroethene
Concen: 19.585 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:164 Resp: 87354
Ion Ratio Lower Upper
164 100
166 130.0 102.3 153.5
129 91.3 75.0 112.6
131 88.5 72.7 109.1

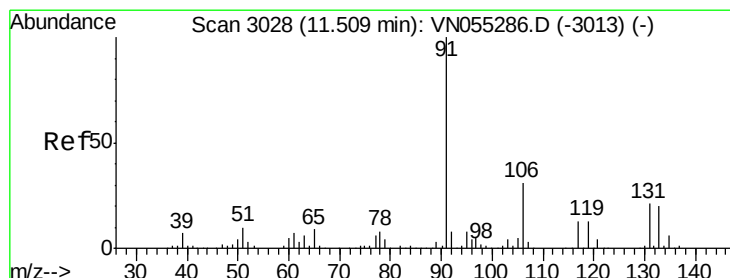
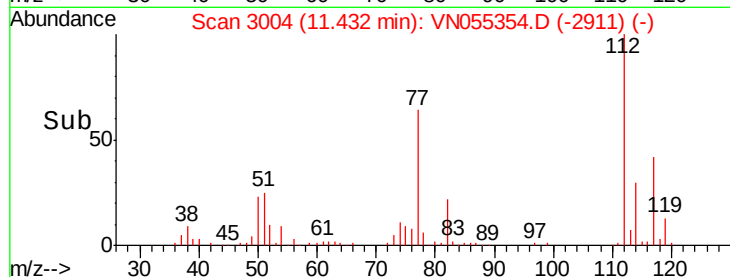
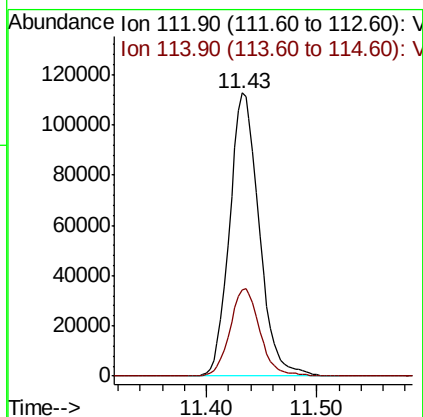
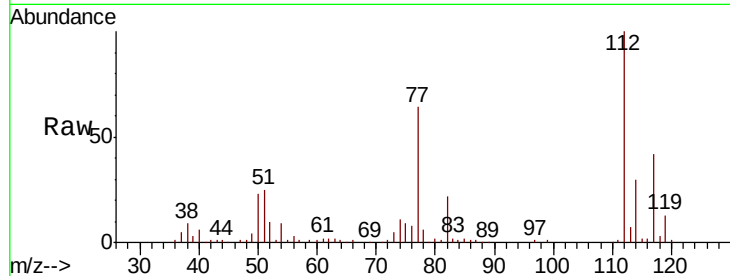




#65
Chlorobenzene
Concen: 19.678 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

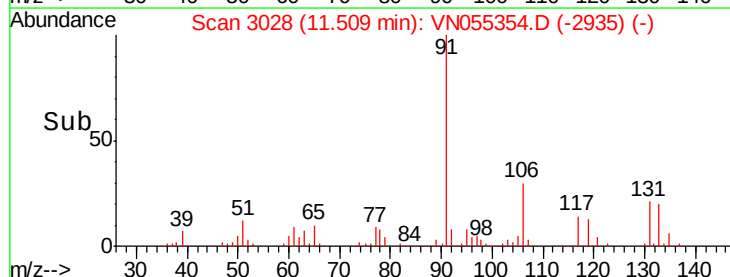
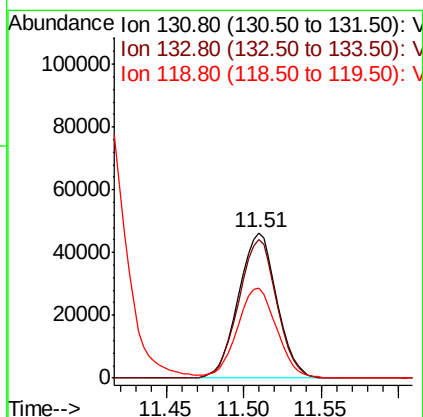
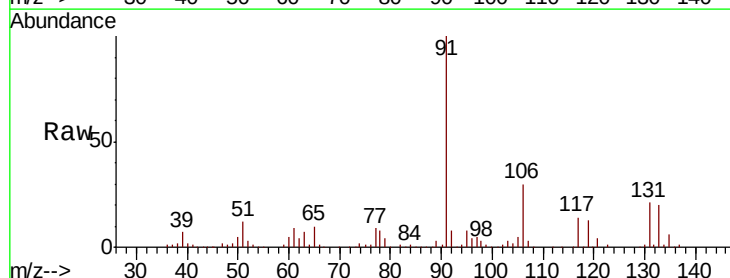
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

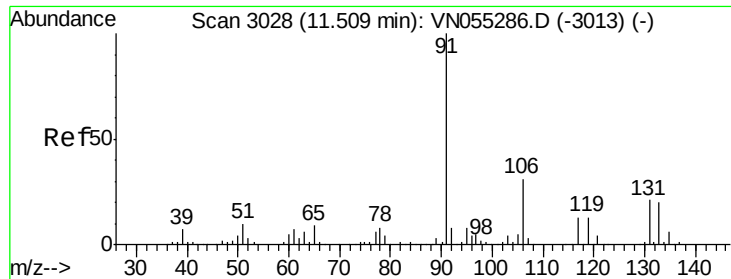
Tot Ion:112 Resp: 209834
Ion Ratio Lower Upper
112 100
114 30.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:131 Resp: 80033
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 63.7 32.7 98.1





#67

Ethyl Benzene

Concen: 20.063 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

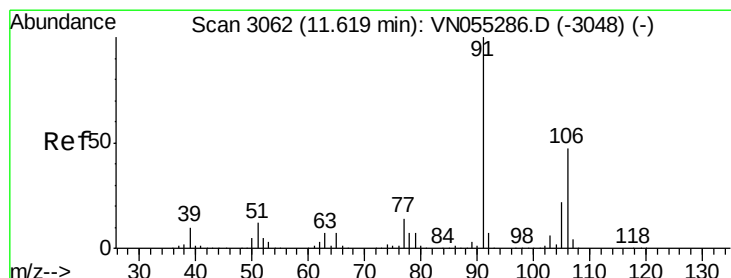
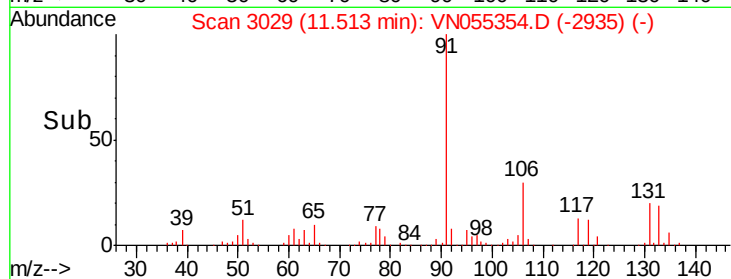
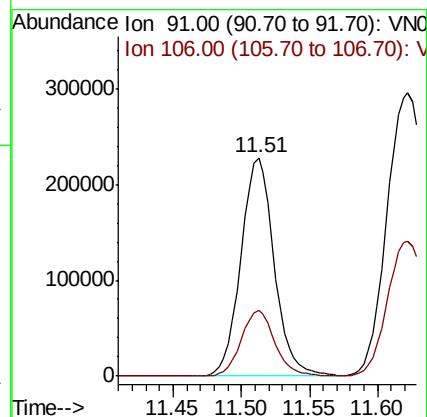
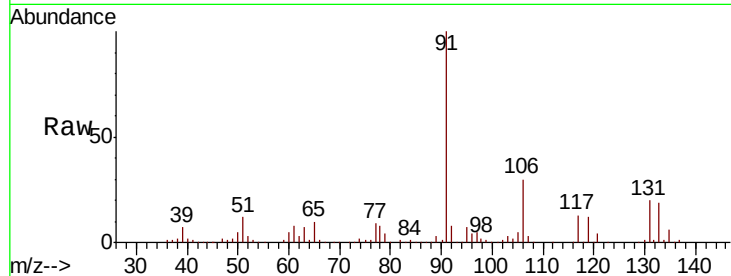
VN0502MBS01

Tot Ion: 91 Resp: 386329

Ion Ratio Lower Upper

91 100

106 29.9 24.6 36.8



#68

m/p-Xylenes

Concen: 41.049 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055354.D

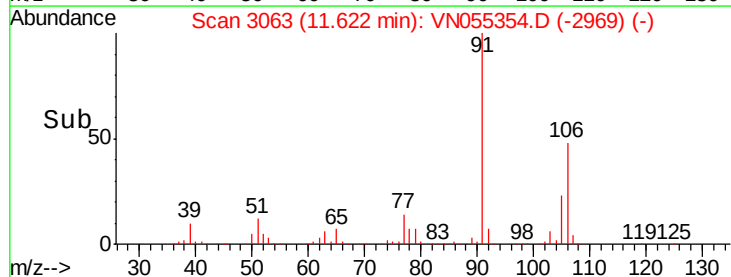
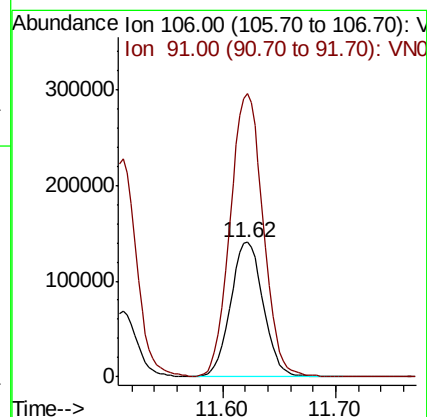
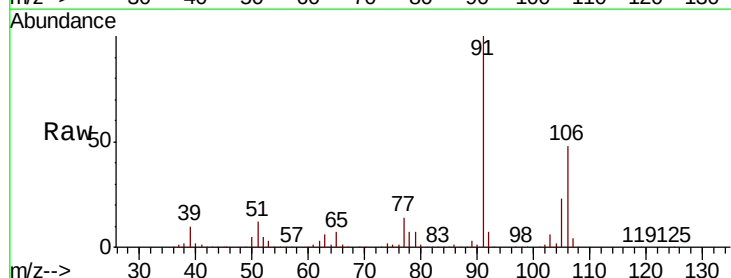
Acq: 2 May 2019 17:10

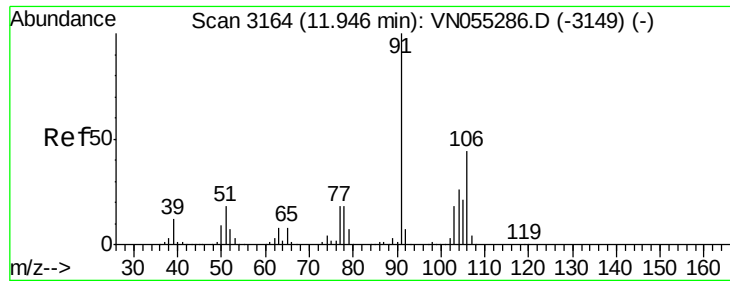
Tgt Ion: 106 Resp: 282143

Ion Ratio Lower Upper

106 100

91 211.9 169.5 254.3

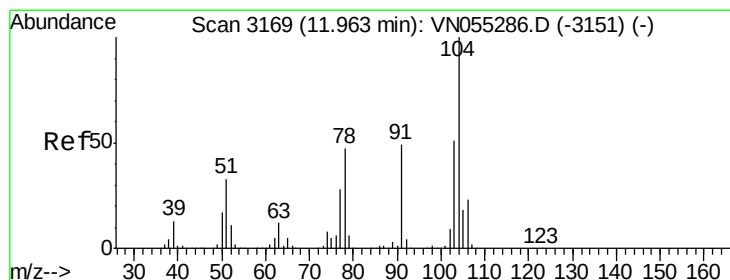
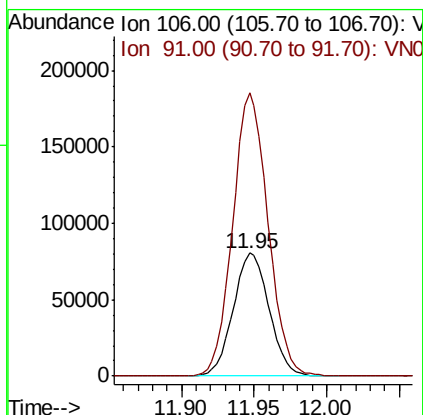
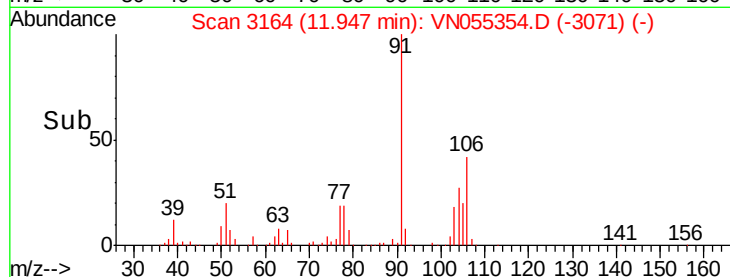
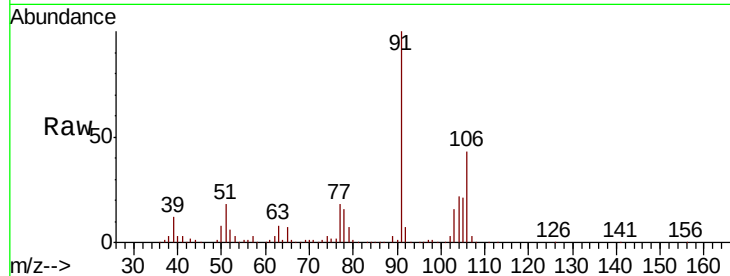




#69
o-Xylene
Concen: 20.280 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

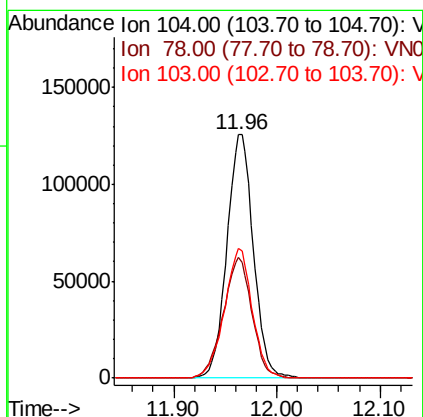
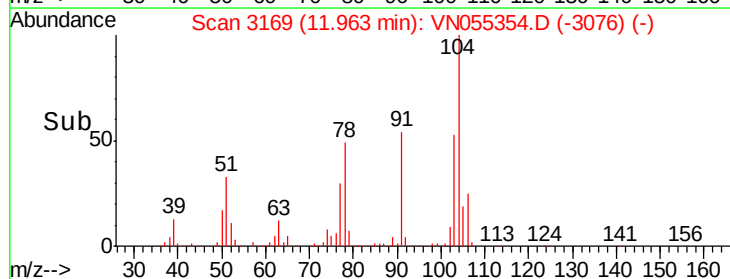
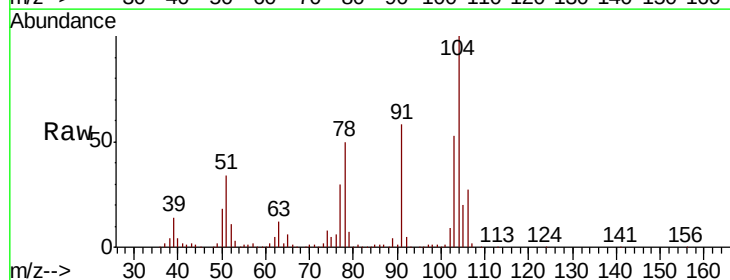
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

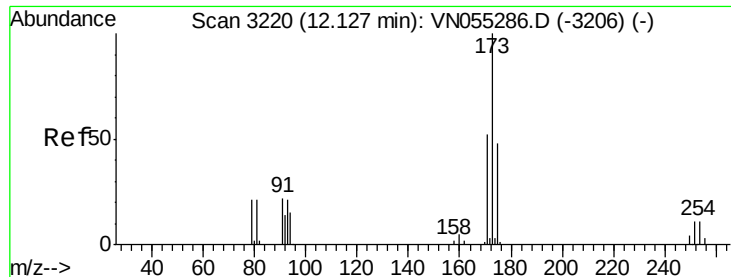
Tot Ion:106 Resp: 138161
Ion Ratio Lower Upper
106 100
91 226.9 111.5 334.5



#70
Styrene
Concen: 21.494 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:104 Resp: 224834
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 56.0 44.6 67.0





#71

Bromoform

Concen: 19.896 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS01

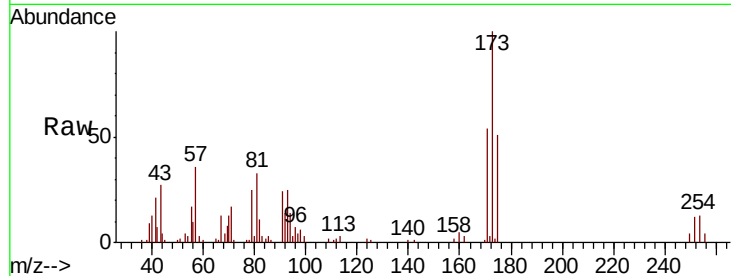
Tot Ion:173 Resp: 46098

Ion Ratio Lower Upper

173 100

175 50.1 23.6 71.0

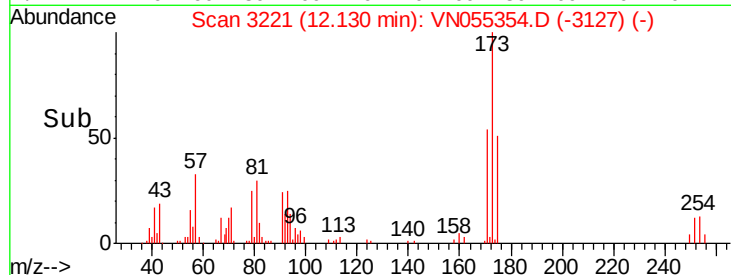
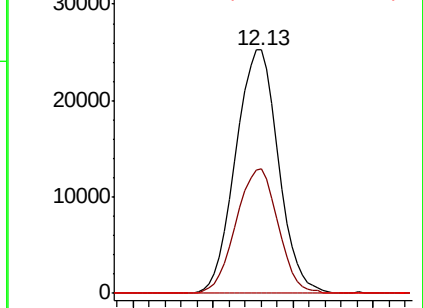
254 0.0 0.0 0.0



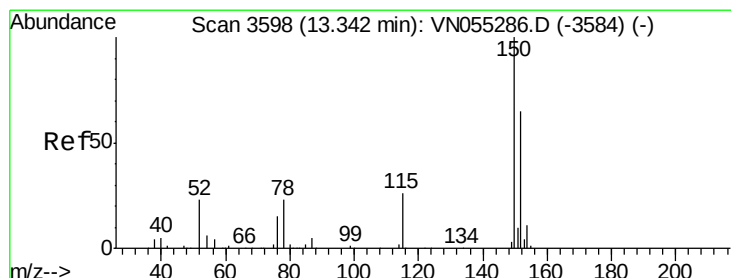
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.05 12.10 12.15 12.20



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

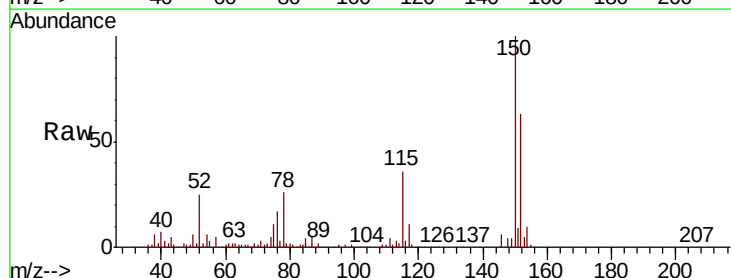
Tgt Ion:152 Resp: 212352

Ion Ratio Lower Upper

152 100

115 58.3 29.0 87.0

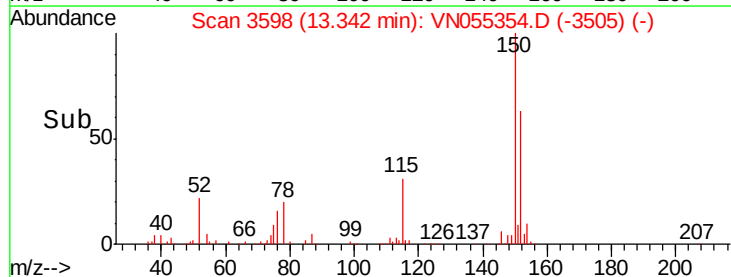
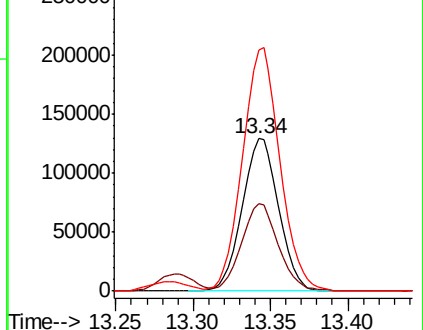
150 163.4 0.0 345.6



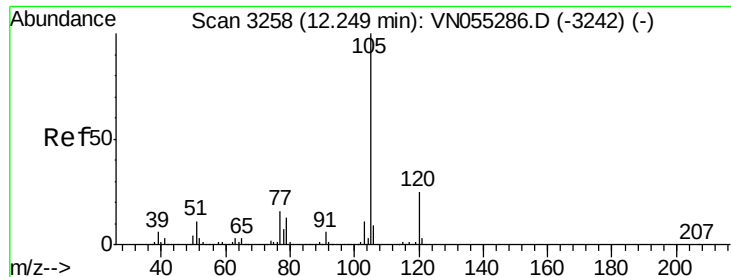
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.25 13.30 13.35 13.40



#73

Isopropylbenzene

Concen: 20.878 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

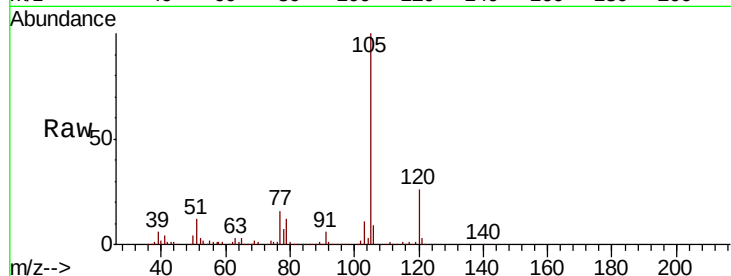
VN0502MBS01

Tot Ion:105 Resp: 383889

Ion Ratio Lower Upper

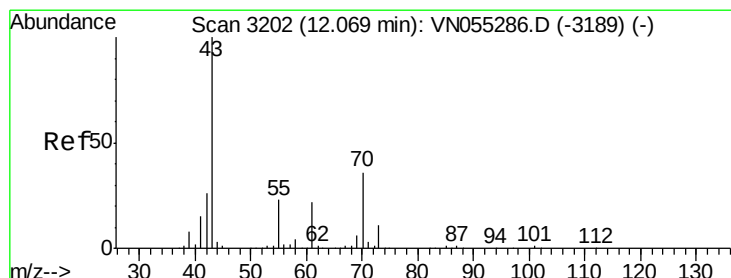
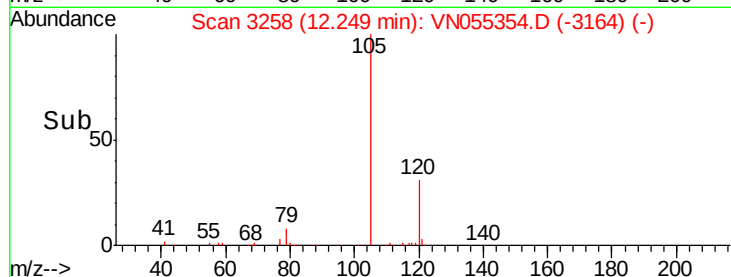
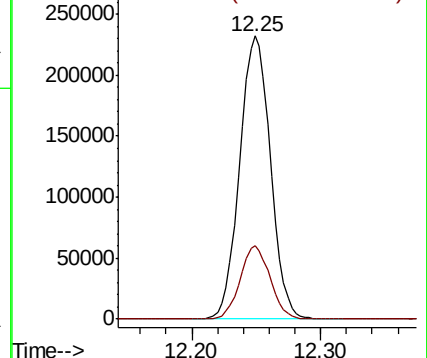
105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.979 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion: 43 Resp: 147029

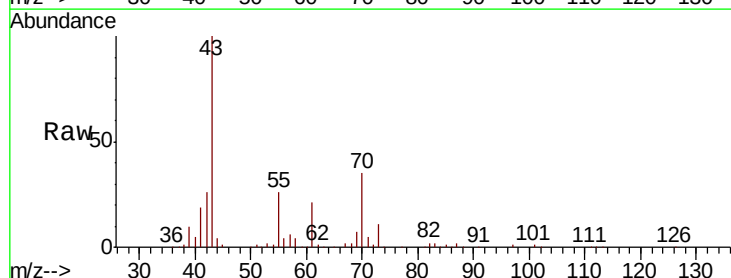
Ion Ratio Lower Upper

43 100

70 29.2 27.9 41.9

55 23.4 18.2 27.2

61 17.9 16.9 25.3

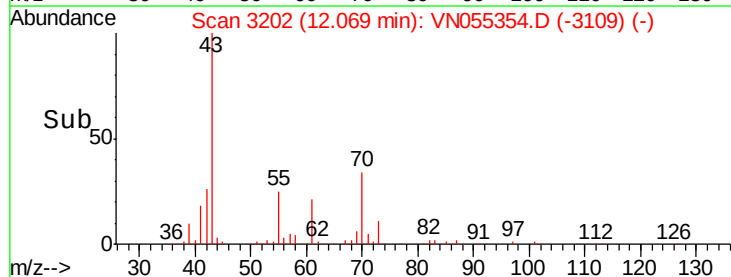
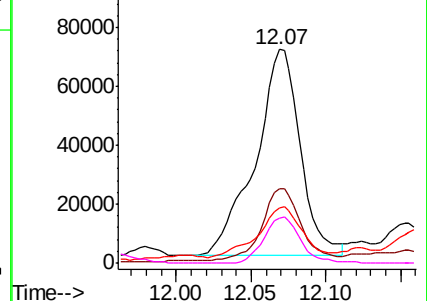


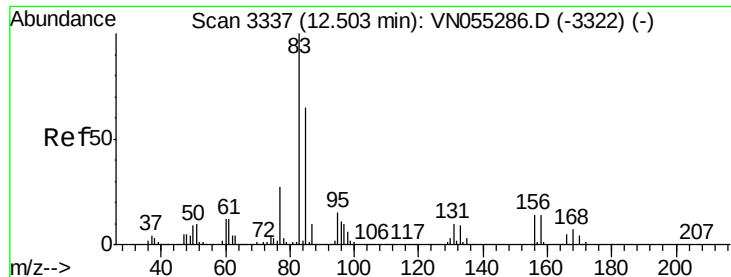
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.572 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

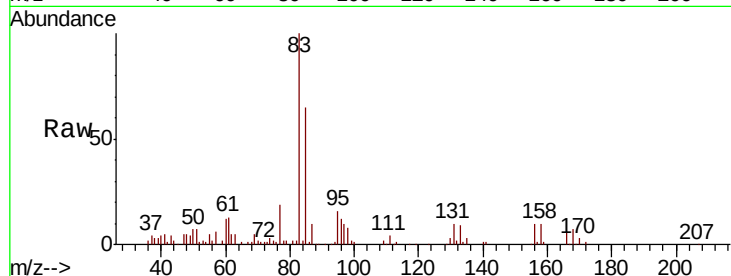
Tot Ion: 83 Resp: 98370

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

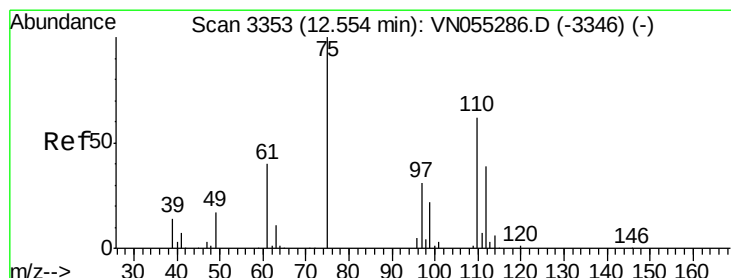
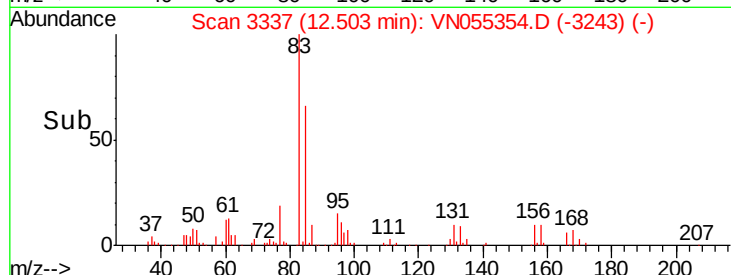
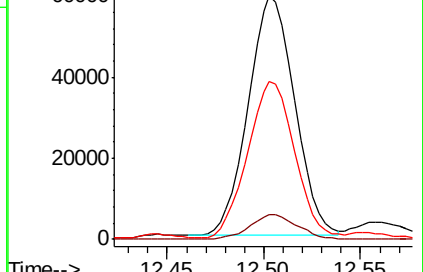
85 65.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055354.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055354.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055354.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.777 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055354.D

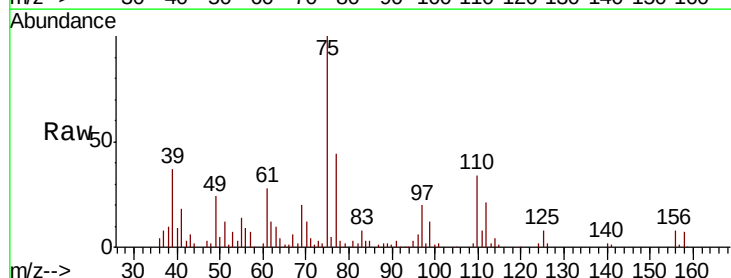
Acq: 2 May 2019 17:10

Tgt Ion: 75 Resp: 117805

Ion Ratio Lower Upper

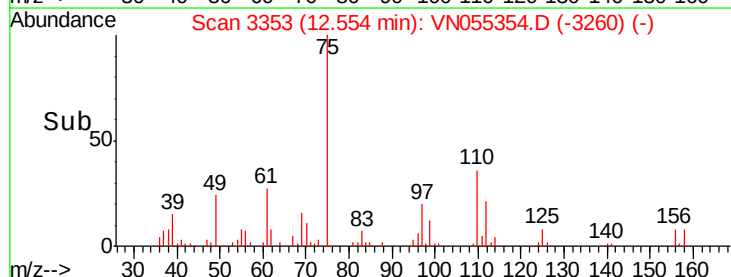
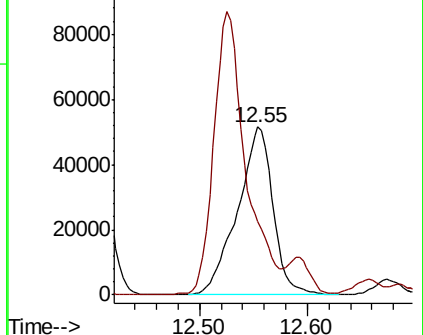
75 100

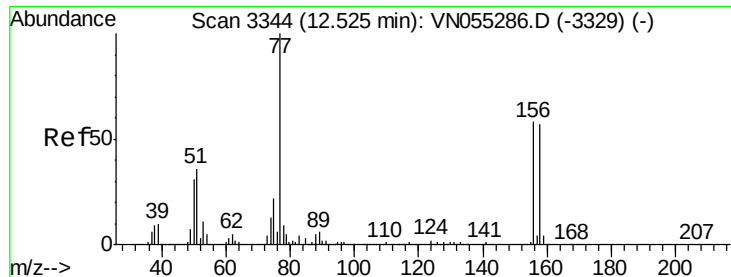
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055354.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055354.D (-3260) (-)





#77

Bromobenzene

Concen: 20.961 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

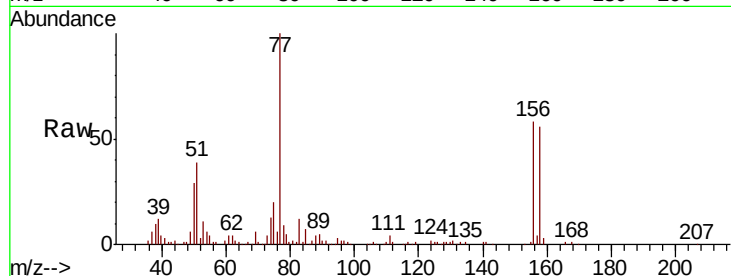
Tot Ion:156 Resp: 90102

Ion Ratio Lower Upper

156 100

77 199.5 99.6 298.8

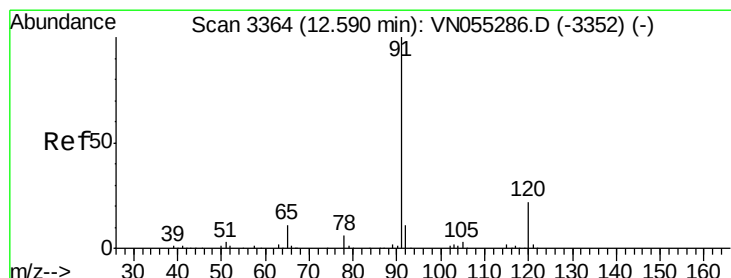
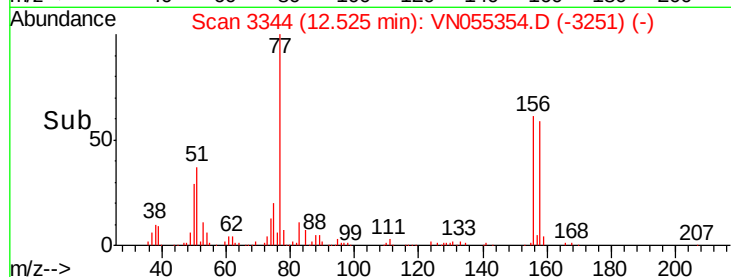
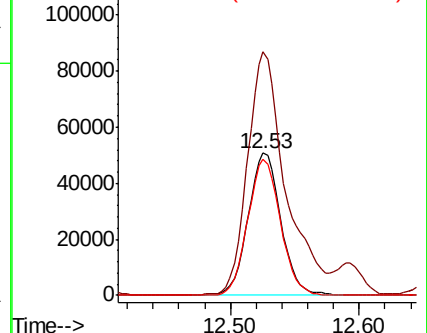
158 95.0 49.3 147.8



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: 19.678 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055354.D

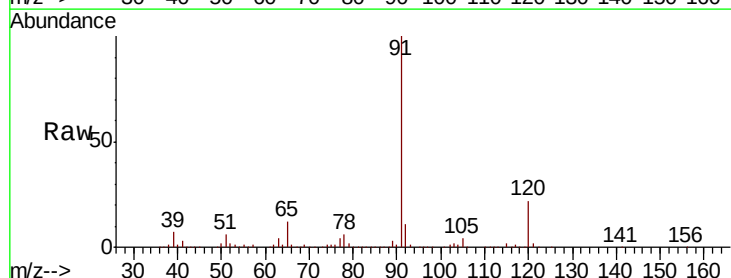
Acq: 2 May 2019 17:10

Tgt Ion: 91 Resp: 429228

Ion Ratio Lower Upper

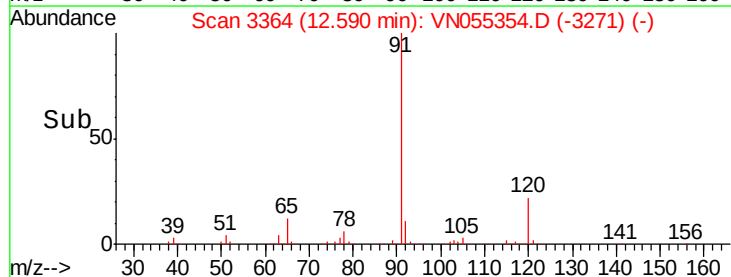
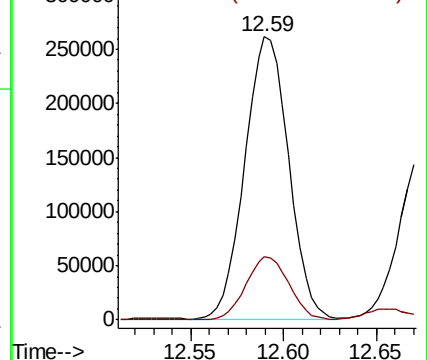
91 100

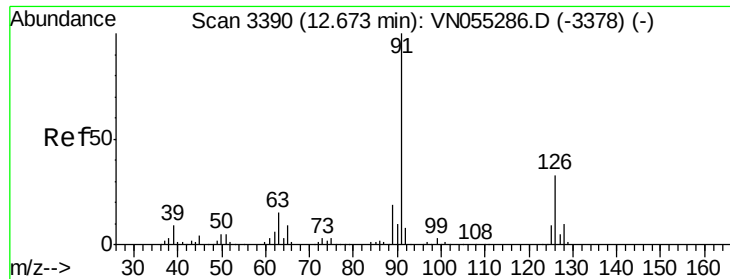
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.158 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

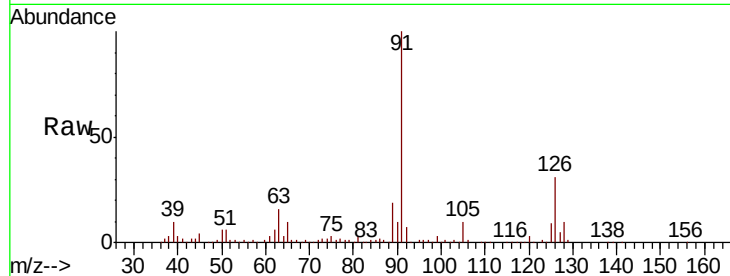
VN0502MBS01

Tot Ion: 91 Resp: 261169

Ion Ratio Lower Upper

91 100

126 31.6 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) (-)

250000

200000

150000

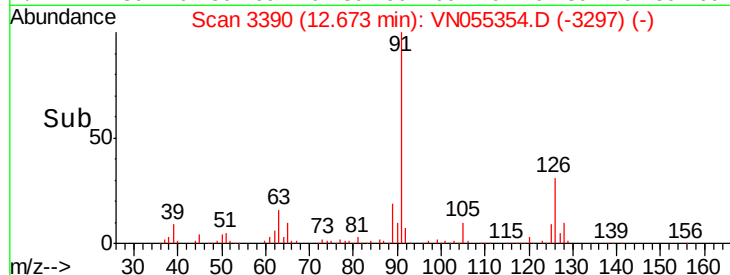
100000

50000

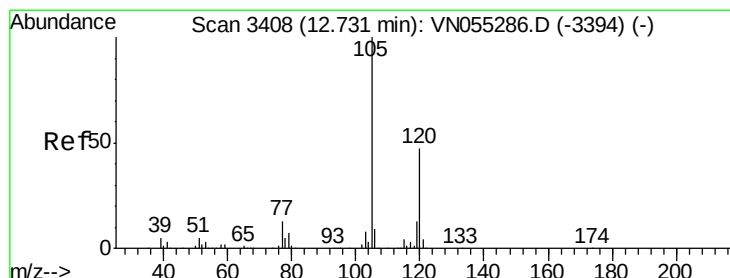
0

12.60 12.65 12.70

12.67



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.028 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055354.D

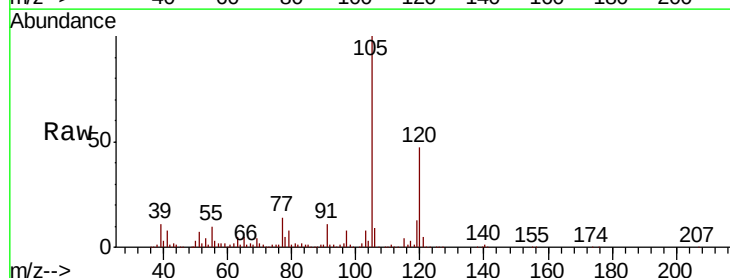
Acq: 2 May 2019 17:10

Tgt Ion:105 Resp: 350063

Ion Ratio Lower Upper

105 100

120 46.9 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) (-)

250000

200000

150000

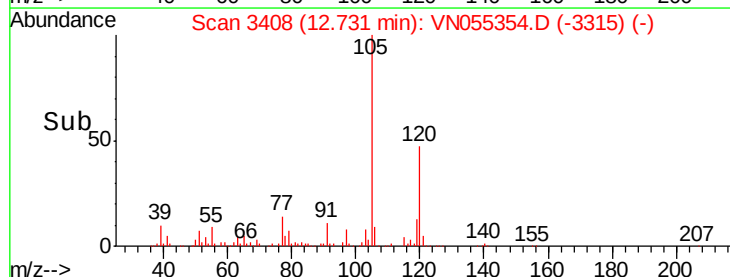
100000

50000

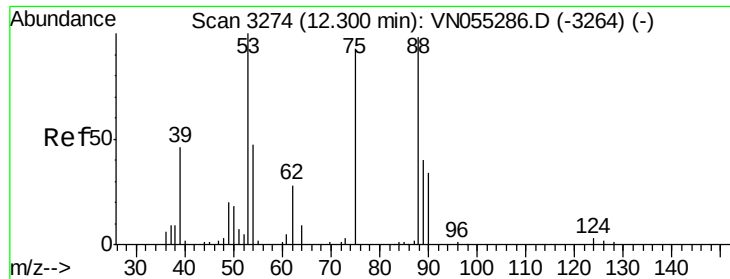
0

12.70 12.75 12.80

12.73



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 19.276 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS01

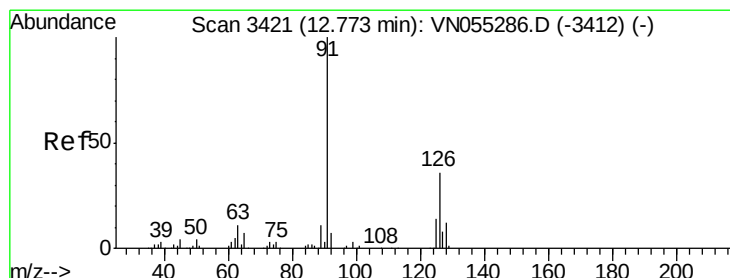
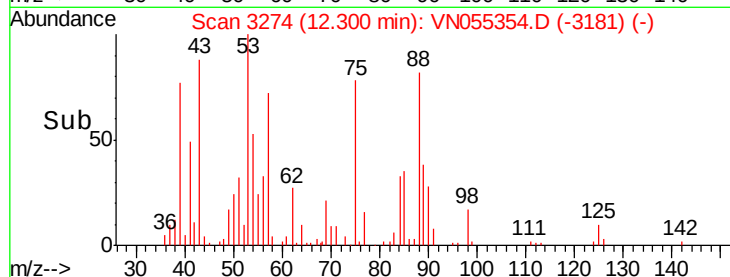
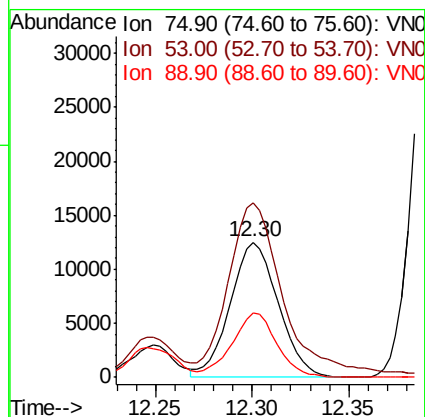
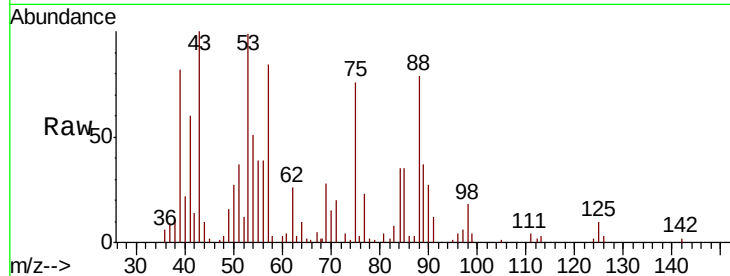
Tot Ion: 75 Resp: 21600

Ion Ratio Lower Upper

75 100

53 140.7 86.3 129.5#

89 44.9 34.6 51.8



#82

4-Chlorotoluene

Concen: 18.695 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055354.D

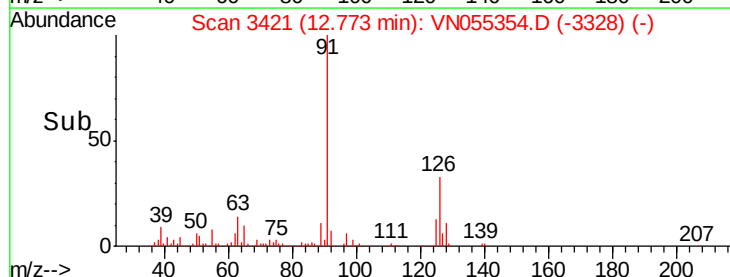
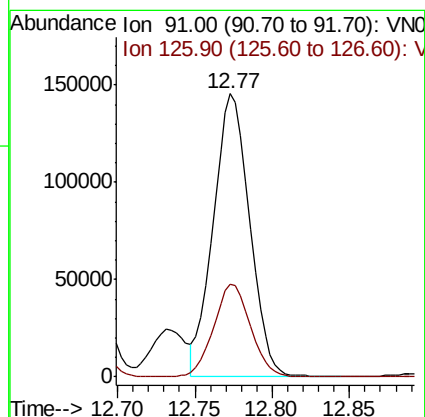
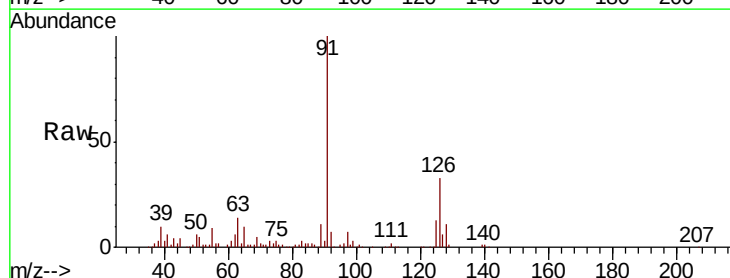
Acq: 2 May 2019 17:10

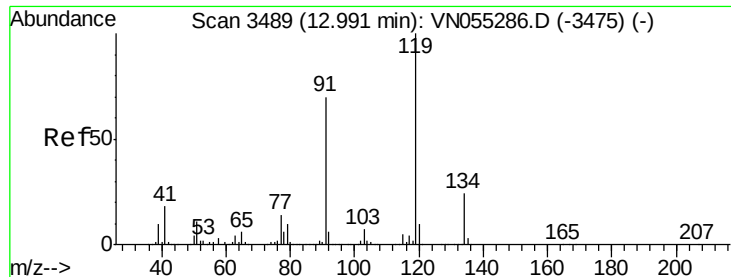
Tgt Ion: 91 Resp: 237109

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.7

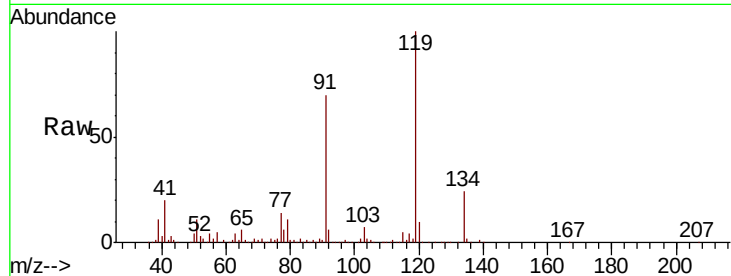




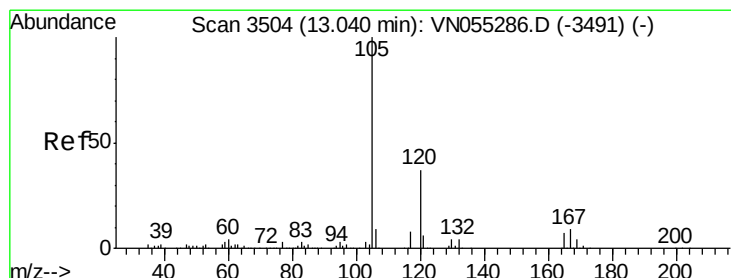
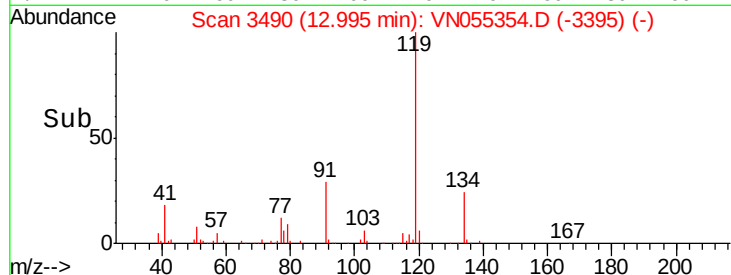
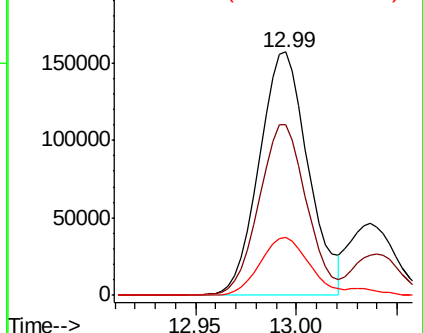
#83
 tert-Butylbenzene
 Concen: 20.828 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tot Ion:119 Resp: 265435
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.3 102.9
 134 23.8 13.1 39.3

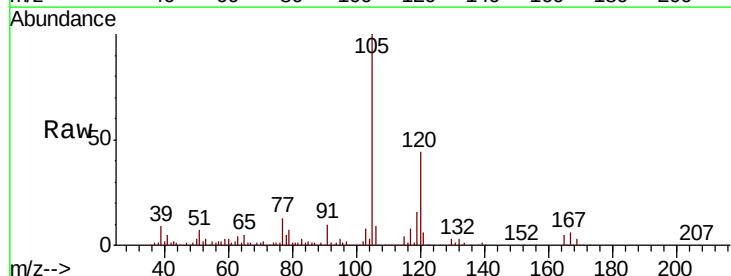


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

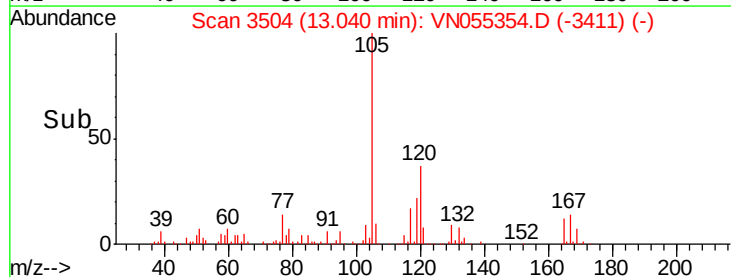
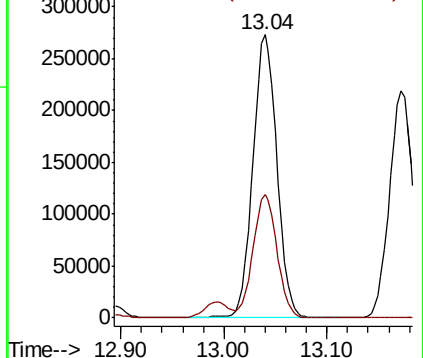


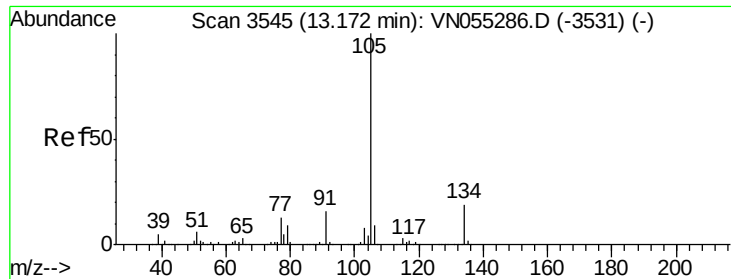
#84
 1,2,4-Trimethylbenzene
 Concen: 29.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion:105 Resp: 437817
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 19.130 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

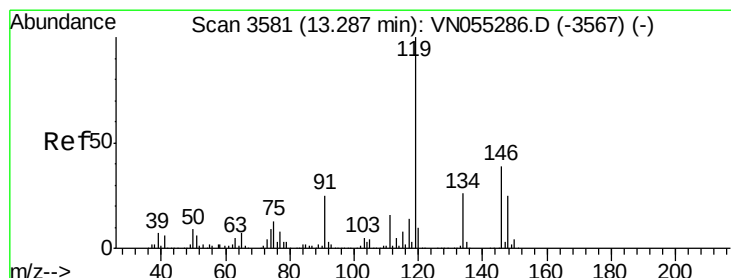
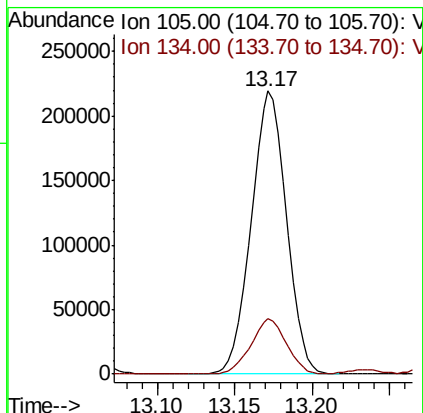
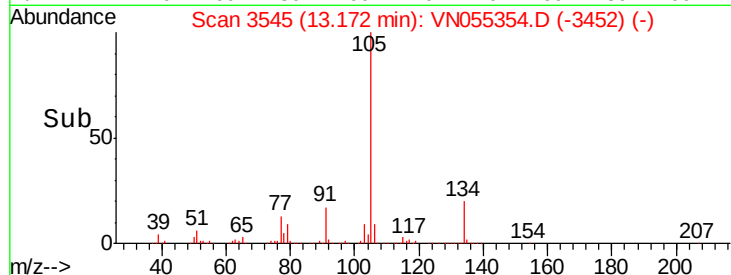
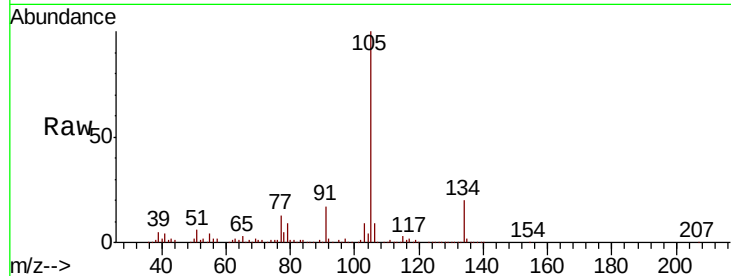
VN0502MBS01

Tot Ion:105 Resp: 346145

Ion Ratio Lower Upper

105 100

134 20.0 9.6 28.8



#86

p-Isopropyltoluene

Concen: 20.374 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

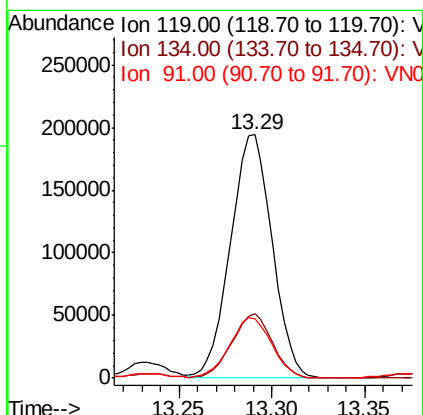
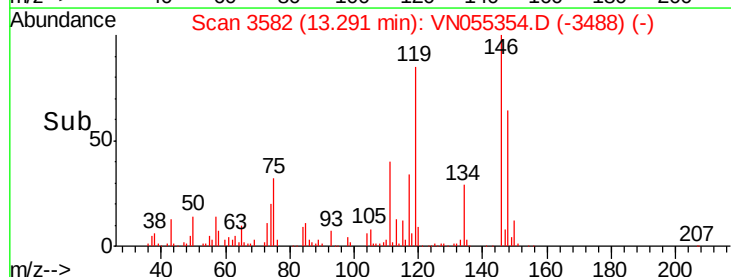
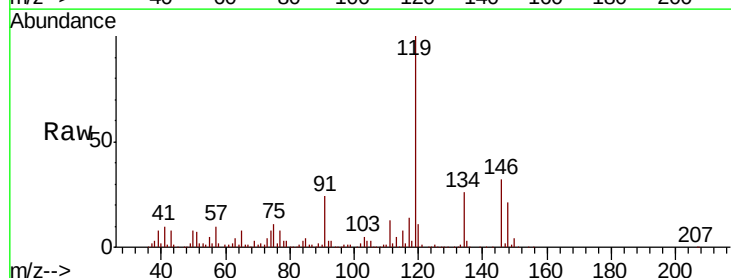
Tgt Ion:119 Resp: 303008

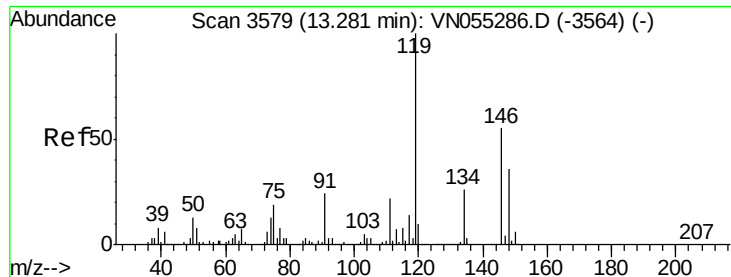
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 24.7 12.2 36.6

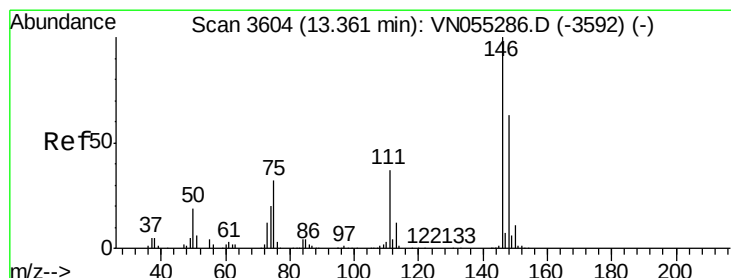
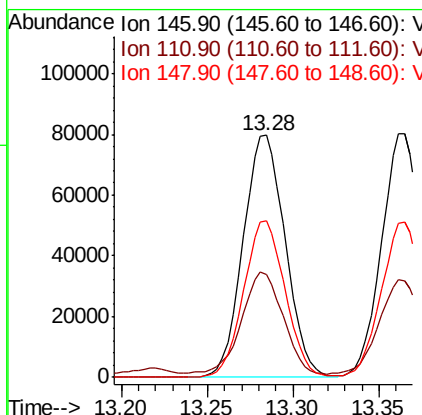
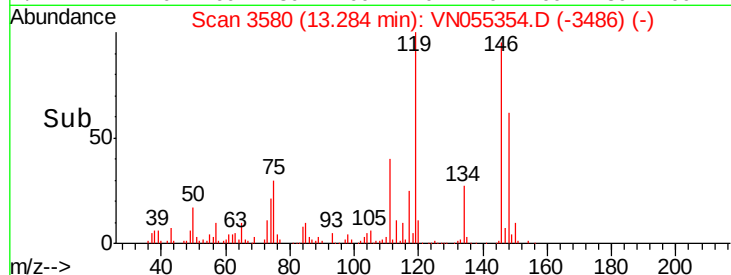
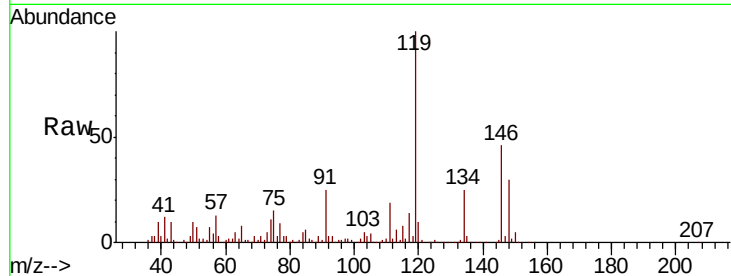




#87
 1,3-Dichlorobenzene
 Concen: 19.065 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

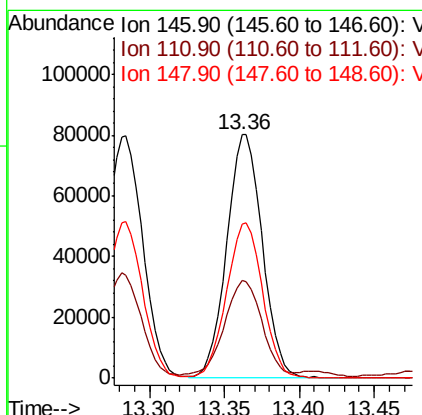
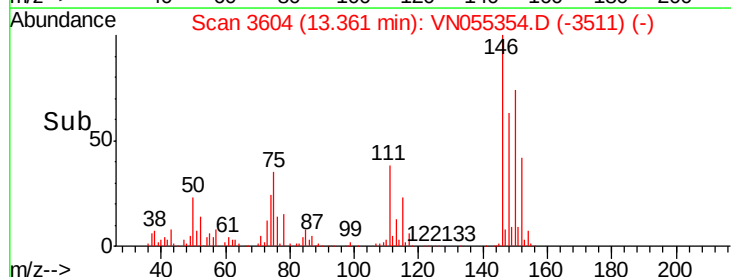
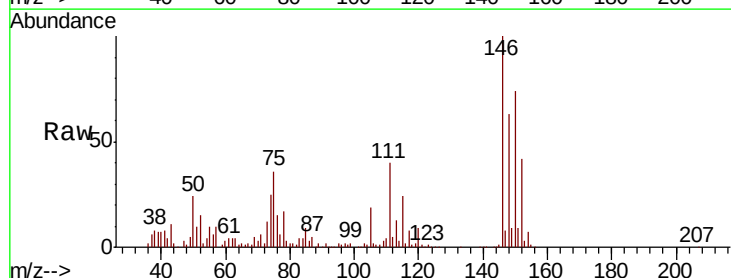
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

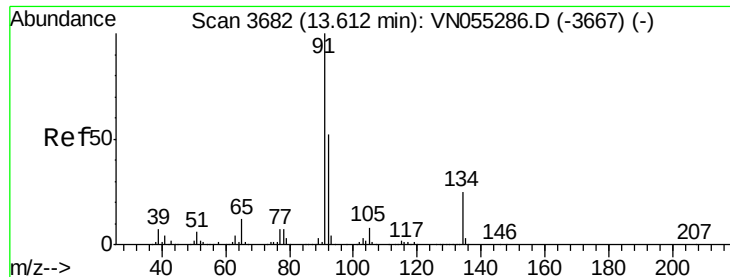
Tot Ion:146 Resp: 135473
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 60.8
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.862 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion:146 Resp: 132912
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.5 58.5
 148 64.9 32.5 97.4





#89

n-Butylbenzene

Concen: 22.256 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

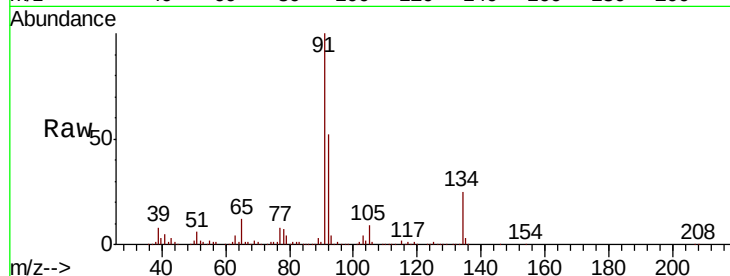
Tot Ion: 91 Resp: 235194

Ion Ratio Lower Upper

91 100

92 51.1 26.1 78.3

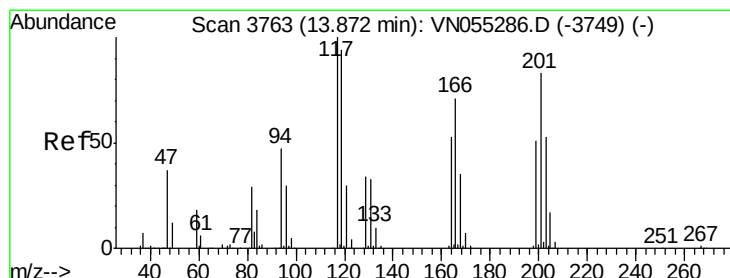
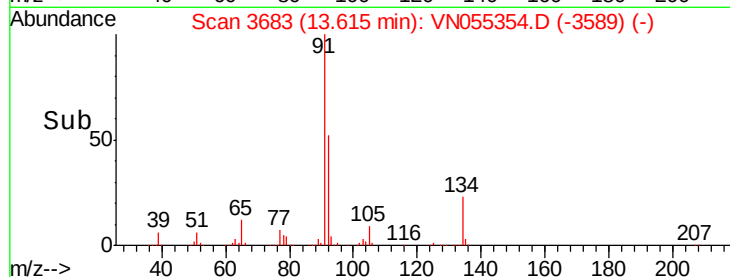
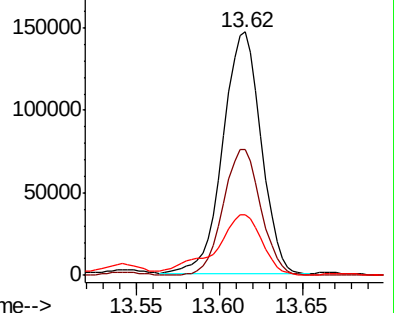
134 30.7 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.410 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055354.D

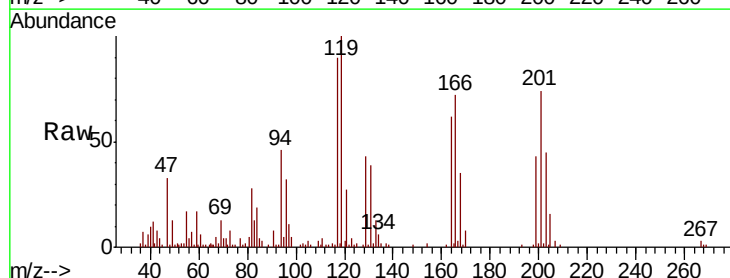
Acq: 2 May 2019 17:10

Tgt Ion: 117 Resp: 45696

Ion Ratio Lower Upper

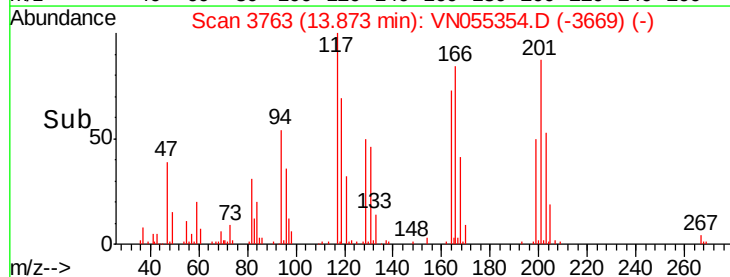
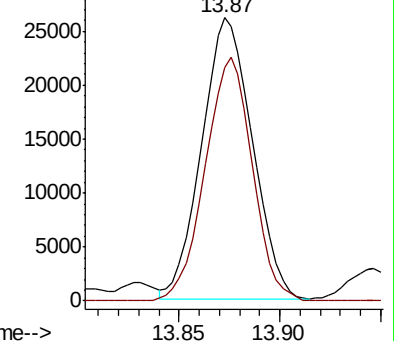
117 100

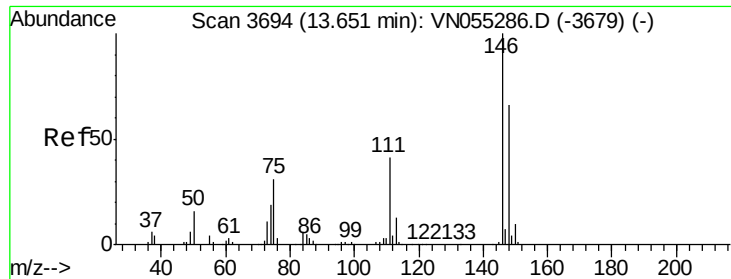
201 80.8 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)

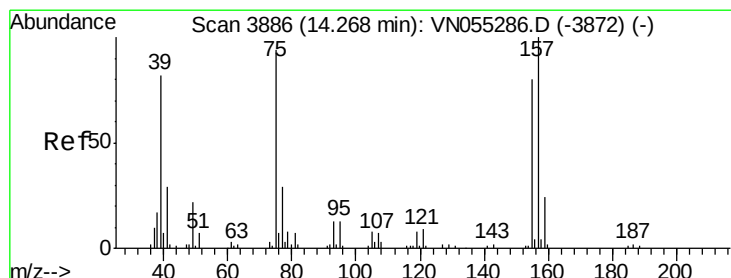
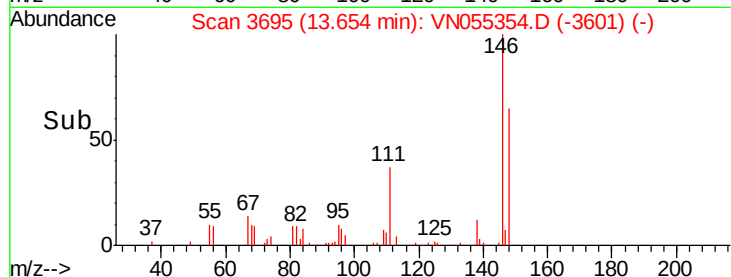
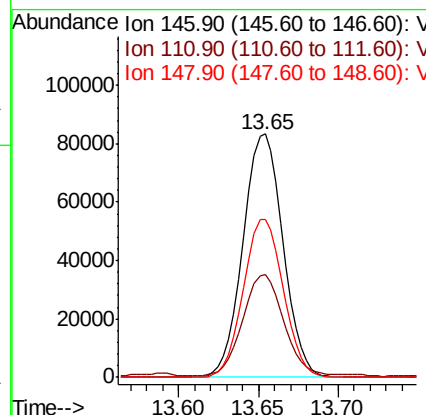
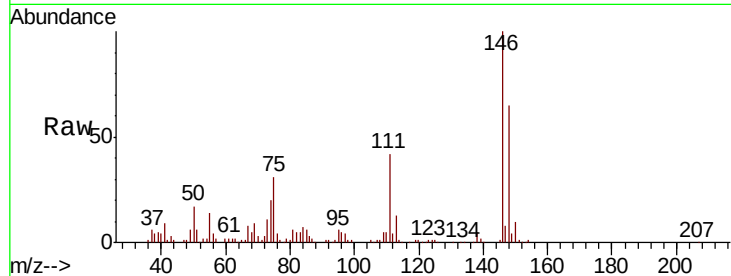




#91
 1,2-Dichlorobenzene
 Concen: 20.163 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

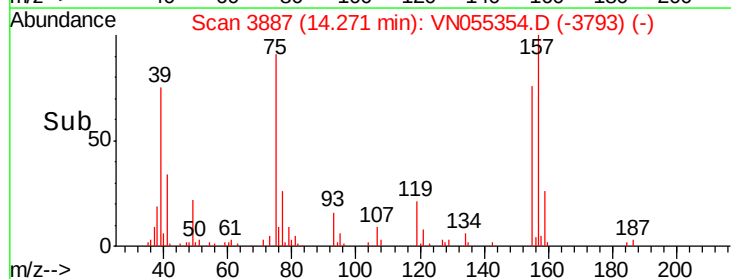
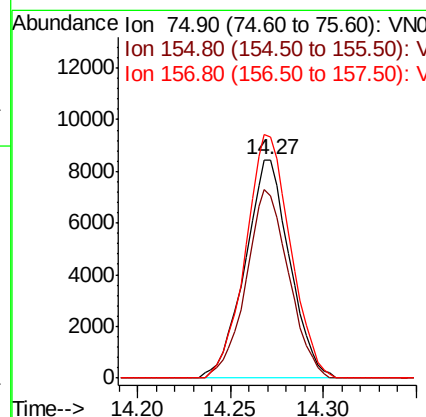
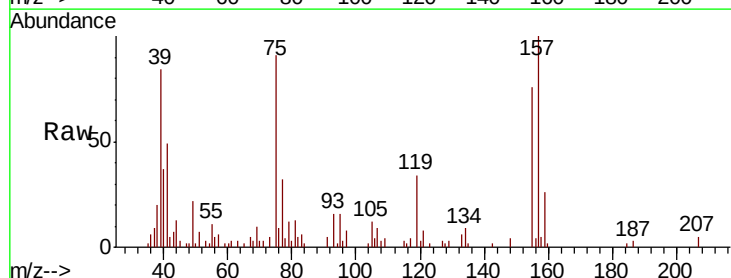
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

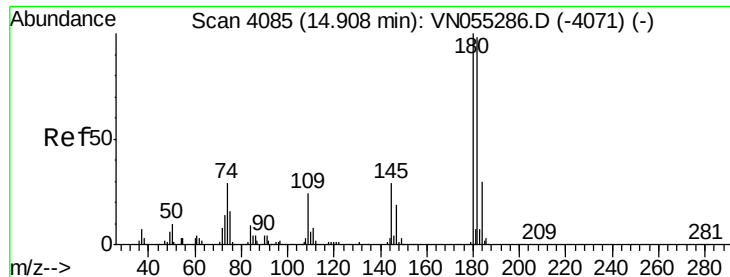
Tot Ion:146 Resp: 142002
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.3 61.0
 148 64.8 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.210 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 75 Resp: 14084
 Ion Ratio Lower Upper
 75 100
 155 82.4 41.5 124.6
 157 111.8 54.0 162.2

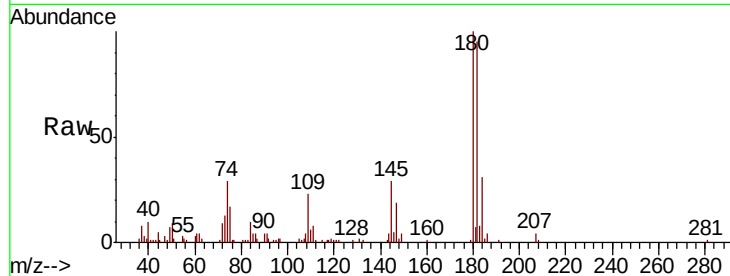




#93
 1,2,4-Trichlorobenzene
 Concen: 19.611 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	32.5	14.2	42.6

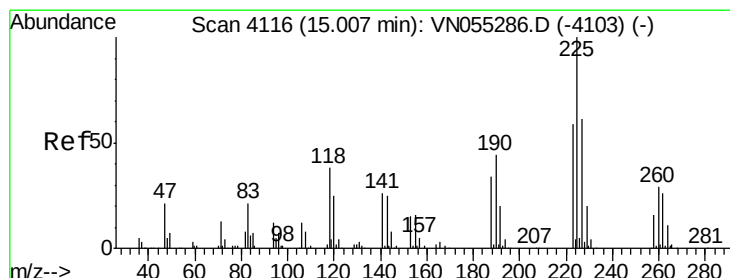
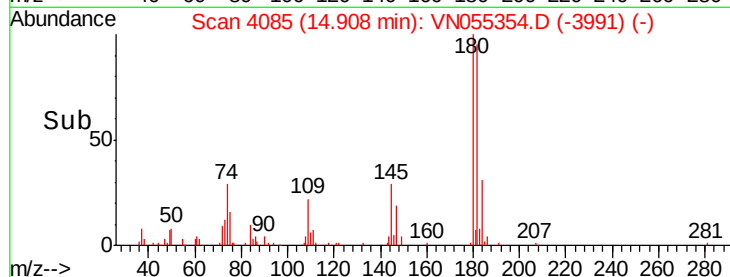
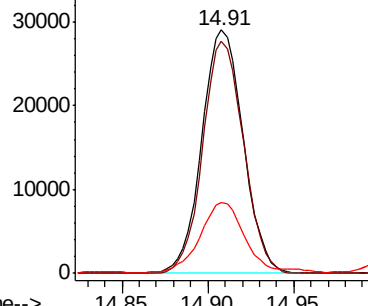


Abundance

Ion 179.80 (179.50 to 180.50): V

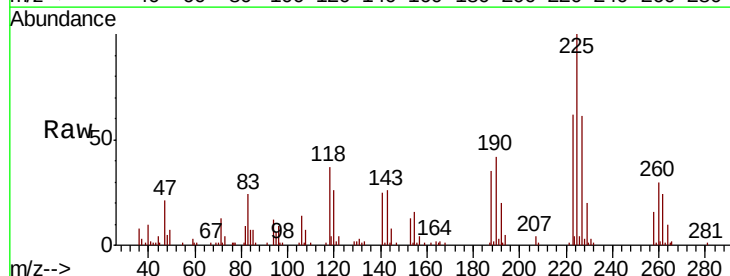
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.267 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.3	90.8
227	61.1	30.9	92.7

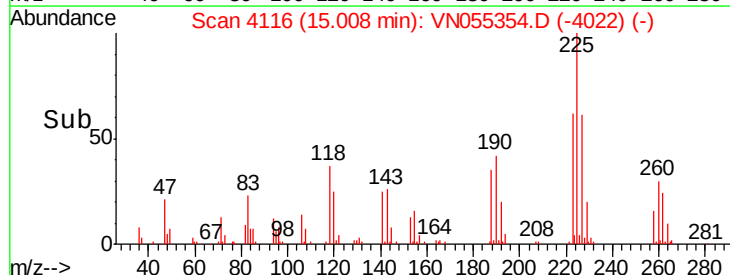
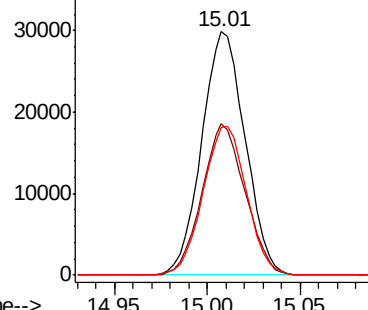


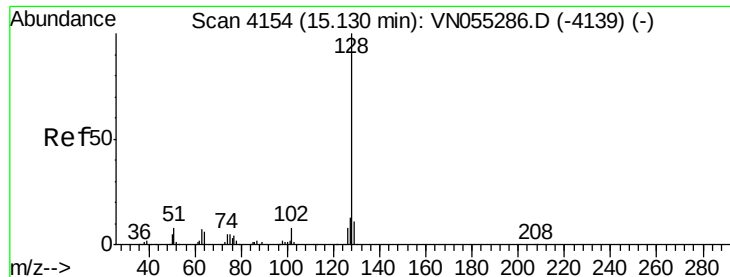
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.747 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

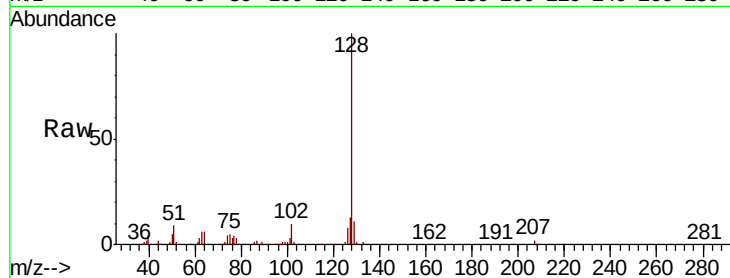
Tot Ion:128 Resp: 129118

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.1 8.6 13.0

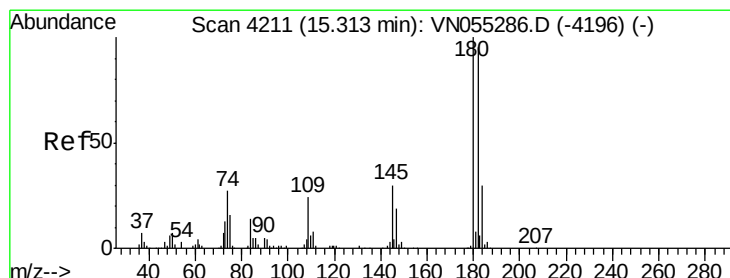
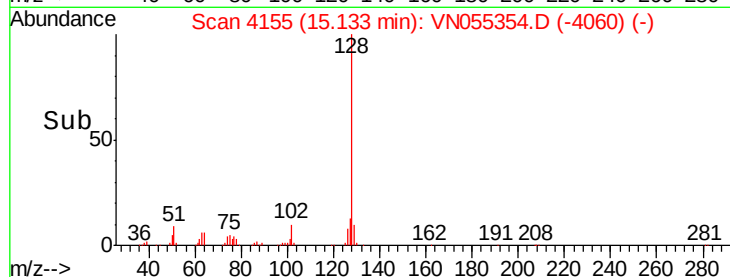
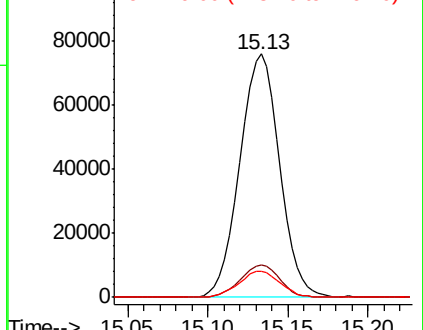


Abundance

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: 20.935 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

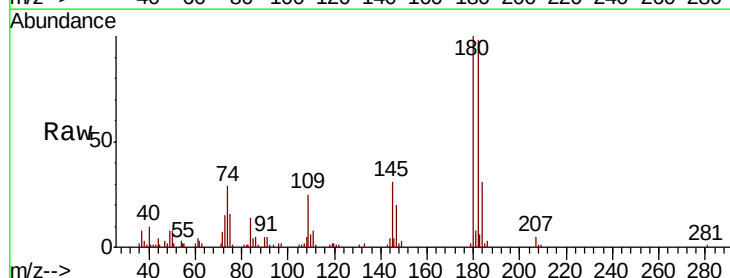
Tgt Ion:180 Resp: 52860

Ion Ratio Lower Upper

180 100

182 97.5 48.3 144.9

145 31.2 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

