

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055847.D
 Acq On : 28 May 2019 12:51
 Operator : JC/SP
 Sample : VN0528WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Quant Time: May 28 17:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192655	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	190300	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	168323	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.09	98	641774	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	209452	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45066	18.547	ug/l	100
3) Chloromethane	2.06	50	62619	18.393	ug/l	100
4) Vinyl Chloride	2.18	62	69086	19.026	ug/l	100
5) Bromomethane	2.54	94	49593	21.831	ug/l	99
6) Chloroethane	2.69	64	44441	20.328	ug/l	96
7) Trichlorofluoromethane	3.01	101	92797	19.493	ug/l	100
8) Diethyl Ether	3.40	74	42183	19.770	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58953	19.838	ug/l	99
10) Methyl Iodide	3.94	142	89353	20.566	ug/l	98
11) Tert butyl alcohol	4.81	59	68862	96.661	ug/l	98
12) 1,1-Dichloroethene	3.72	96	60257	19.624	ug/l	96
13) Acrolein	3.60	56	45794	89.773	ug/l	96
14) Allyl chloride	4.31	41	98157	18.647	ug/l	99
15) Acrylonitrile	4.99	53	167697	102.513	ug/l	99
16) Acetone	3.82	43	143253	87.403	ug/l	99
17) Carbon Disulfide	4.04	76	150589	17.262	ug/l	98
18) Methyl Acetate	4.33	43	72903	21.150	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	203021	19.825	ug/l	100
20) Methylene Chloride	4.54	84	70524	19.869	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64539	19.564	ug/l	97
22) Diisopropyl ether	5.95	45	202187	19.749	ug/l	95
23) Vinyl Acetate	5.90	43	853399	97.221	ug/l	100
24) 1,1-Dichloroethane	5.84	63	115058	19.302	ug/l	98
25) 2-Butanone	6.84	43	221969	96.973	ug/l	100
26) 2,2-Dichloropropane	6.82	77	88898	17.232	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76645	19.915	ug/l	98
28) Bromochloromethane	7.19	49	57678	20.323	ug/l	97
29) Tetrahydrofuran	7.22	42	144844	99.923	ug/l	99
30) Chloroform	7.37	83	119122	20.038	ug/l	98
31) Cyclohexane	7.65	56	107799	19.262	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	103528	19.516	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84298	18.584	ug/l	98
37) Ethyl Acetate	6.93	43	91123	20.785	ug/l	98
38) Carbon Tetrachloride	7.77	117	93311	19.749	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106927	19.036	ug/l	99
40) Benzene	8.04	78	274604	20.087	ug/l	100
41) Methacrylonitrile	7.18	41	41191	18.598	ug/l	97
42) 1,2-Dichloroethane	8.12	62	90237	20.201	ug/l	99
43) Isopropyl Acetate	8.17	43	143192	19.440	ug/l #	91
44) Trichloroethene	8.83	130	76882	20.173	ug/l	98
45) 1,2-Dichloropropane	9.12	63	70992	19.932	ug/l	98
46) Dibromomethane	9.21	93	47585	20.372	ug/l	96
47) Bromodichloromethane	9.40	83	92315	19.274	ug/l	100
48) Methyl methacrylate	9.20	41	68199	20.089	ug/l	98
49) 1,4-Dioxane	9.21	88	29031	411.517	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	443302	101.901	ug/l	100
52) Toluene	10.16	92	174372	20.281	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95103	18.601	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	107664	19.009	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70026	20.330	ug/l	99
56) Ethyl methacrylate	10.43	69	105077	19.739	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113204	20.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	186395	91.626	ug/l	100
59) 2-Hexanone	10.75	43	300583	97.397	ug/l	100
60) Dibromochloromethane	10.90	129	77382	19.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74497	20.852	ug/l	99
64) Tetrachloroethene	10.63	164	80821	20.652	ug/l	98
65) Chlorobenzene	11.43	112	187366	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72387	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	326409	19.595	ug/l	98
68) m/p-Xylenes	11.62	106	248361	39.439	ug/l	99
69) o-Xylene	11.95	106	125241	20.046	ug/l	99
70) Styrene	11.96	104	198798	19.648	ug/l	100
71) Bromoform	12.13	173	58043	18.368	ug/l #	98
73) Isopropylbenzene	12.25	105	326748	22.369	ug/l	100
74) N-amyl acetate	12.07	43	111494	20.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96991	22.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115155	33.686	ug/l #	100
77) Bromobenzene	12.53	156	86078	20.938	ug/l	96
78) n-propylbenzene	12.59	91	331448	19.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	207569	21.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	263150	21.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25779	18.004	ug/l	96
82) 4-Chlorotoluene	12.77	91	194378	19.748	ug/l	100
83) tert-Butylbenzene	12.99	119	238148	22.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261492	21.365	ug/l	99
85) sec-Butylbenzene	13.17	105	296655	21.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	266292	19.904	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129899	19.955	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	122036	19.718	ug/l	99
89) n-Butylbenzene	13.61	91	189609	18.496	ug/l	99
90) Hexachloroethane	13.87	117	48683	19.117	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	133150	20.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16053	18.806	ug/l	97

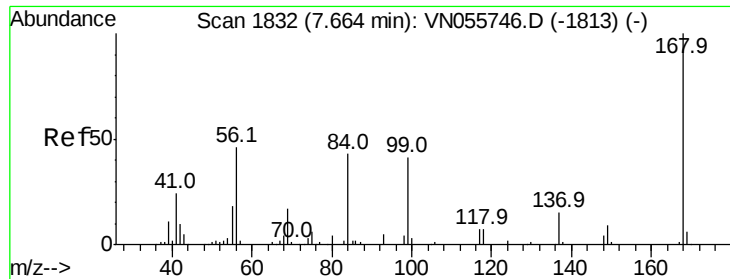
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57959	18.020	ug/l	99
94) Hexachlorobutadiene	15.01	225	49670	20.660	ug/l	98
95) Naphthalene	15.13	128	156969	17.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	64629	18.825	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

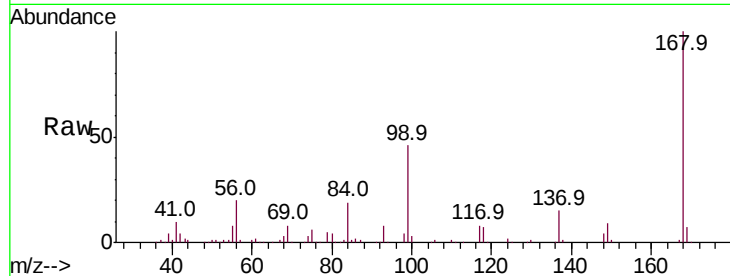
VN0528WBS01

Tot Ion:168 Resp: 361043

Ion Ratio Lower Upper

168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

150000

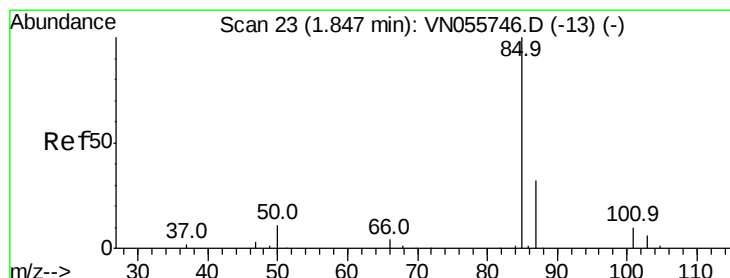
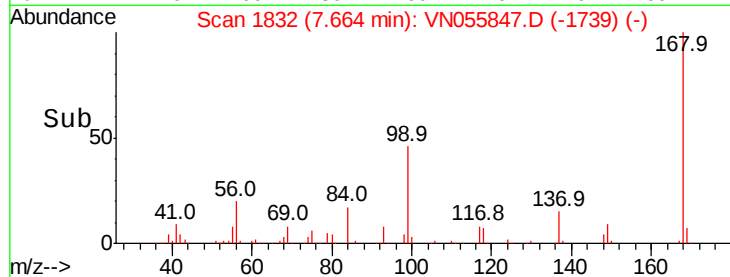
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.547 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055847.D

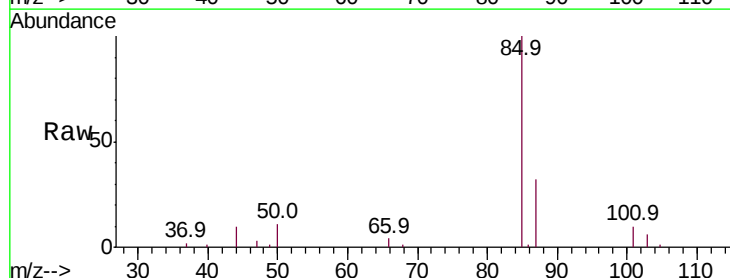
Acq: 28 May 2019 12:51

Tgt Ion: 85 Resp: 45066

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

30000

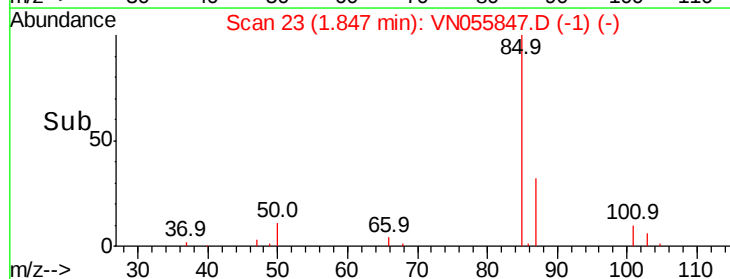
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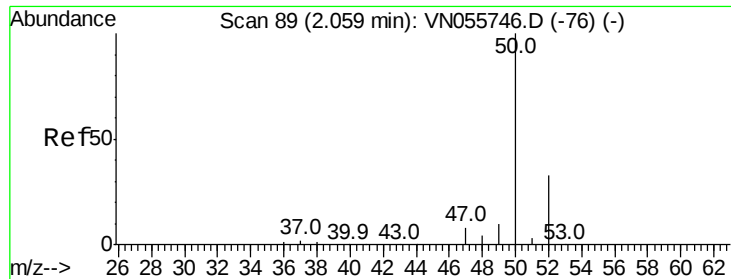
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.393 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

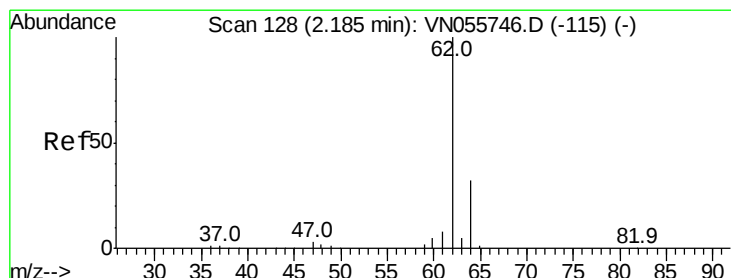
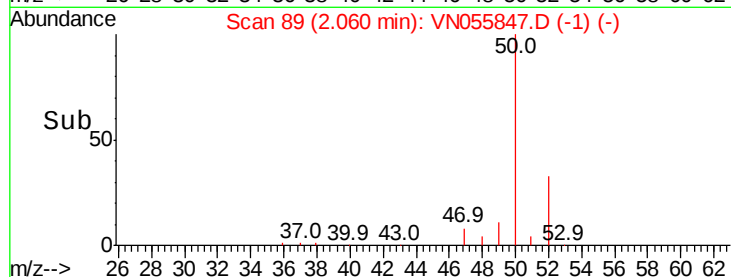
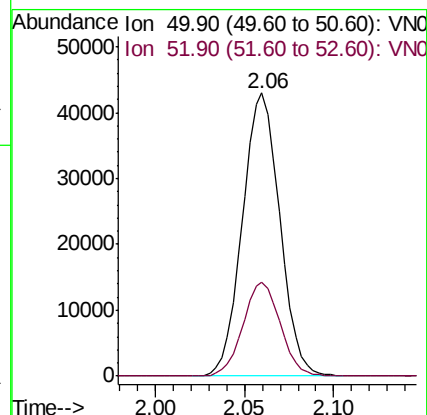
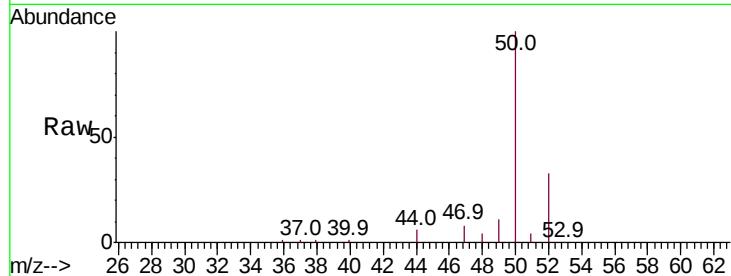
VN0528WBS01

Tot Ion: 50 Resp: 62619

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 19.026 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055847.D

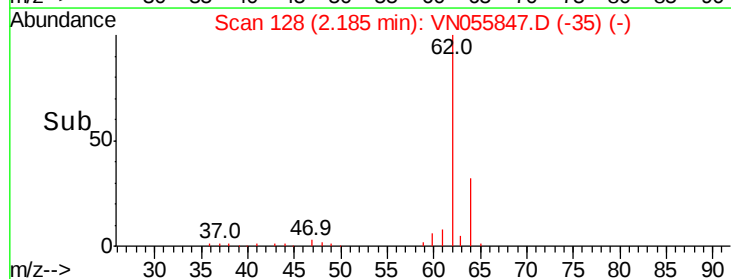
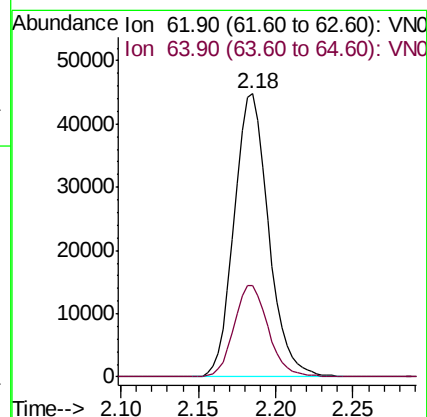
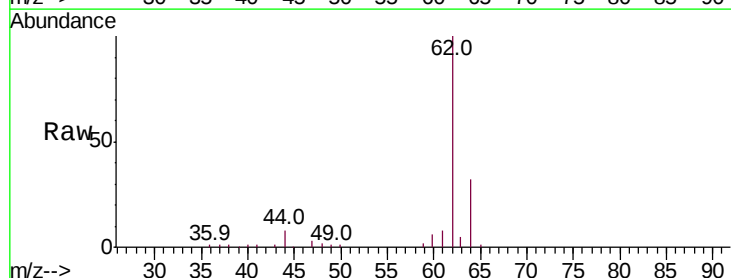
Acq: 28 May 2019 12:51

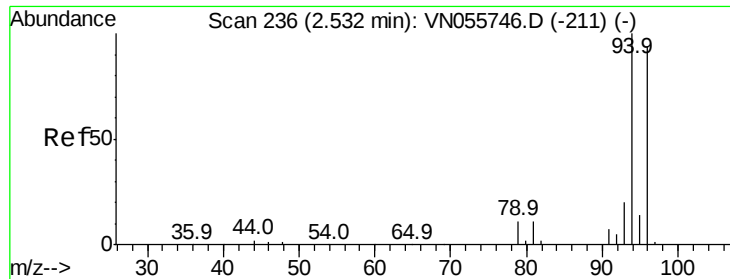
Tgt Ion: 62 Resp: 69086

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 21.831 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

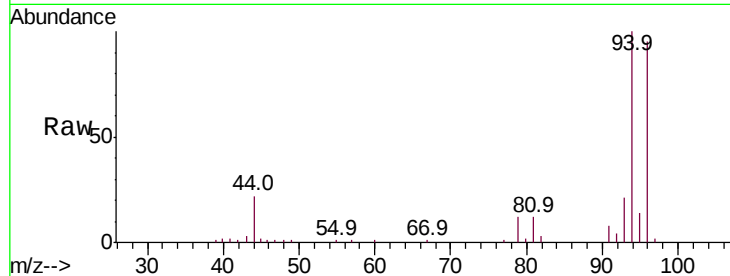
VN0528WBS01

Tot Ion: 94 Resp: 49593

Ion Ratio Lower Upper

94 100

96 95.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

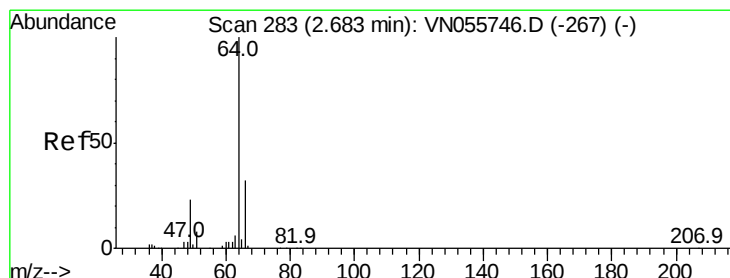
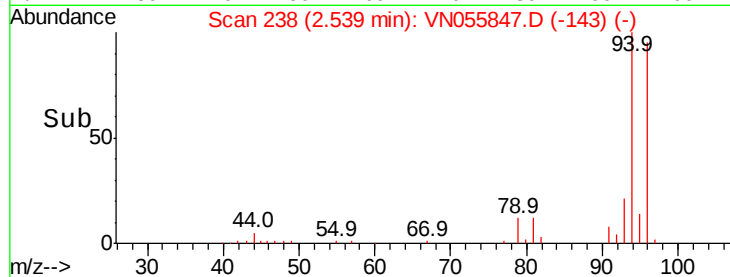
5000

0

2.54

2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 20.328 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055847.D

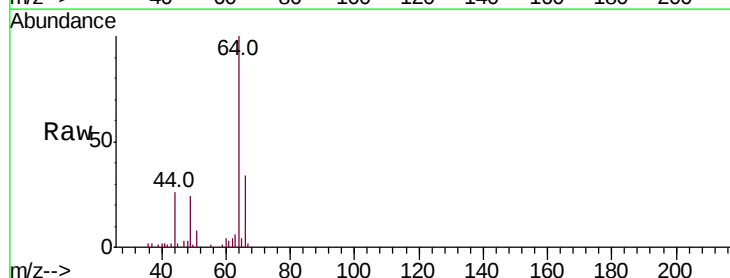
Acq: 28 May 2019 12:51

Tgt Ion: 64 Resp: 44441

Ion Ratio Lower Upper

64 100

66 34.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

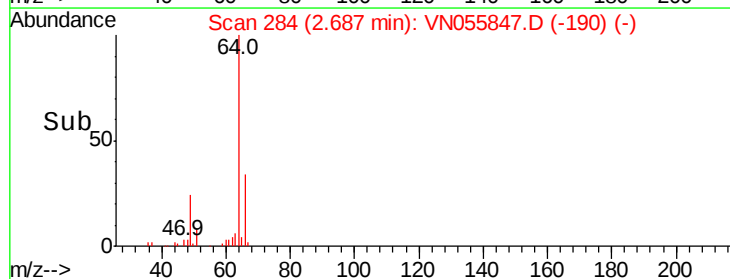
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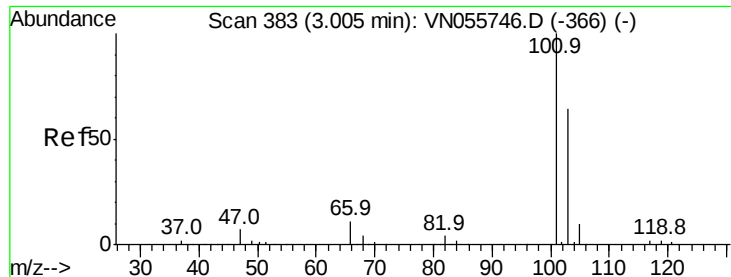
0

2.69

2.60 2.70 2.80

Time-->



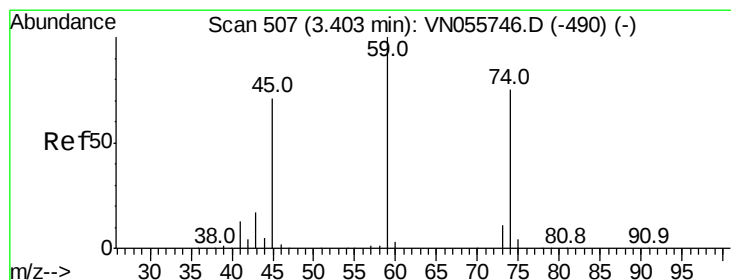
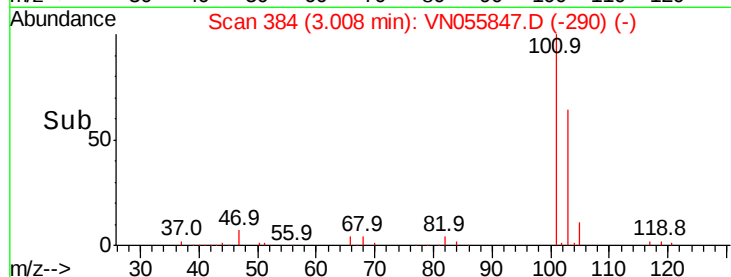
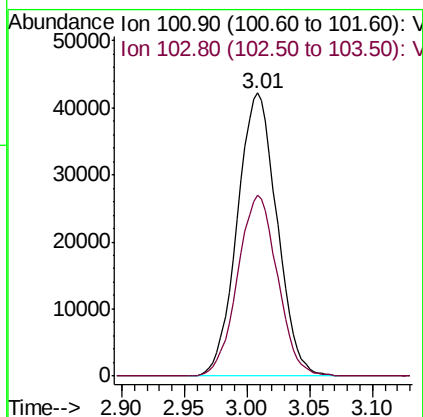
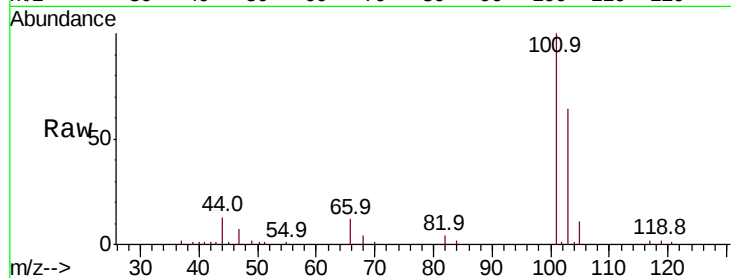


#7

Trichlorofluoromethane
 Concen: 19.493 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

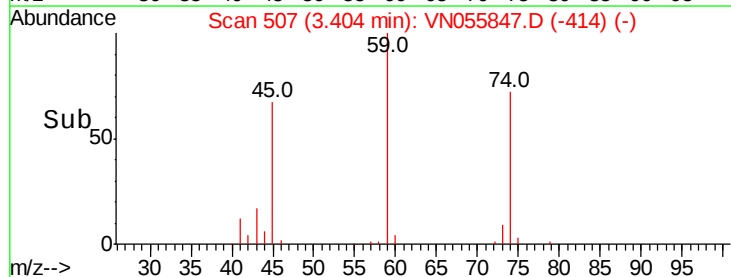
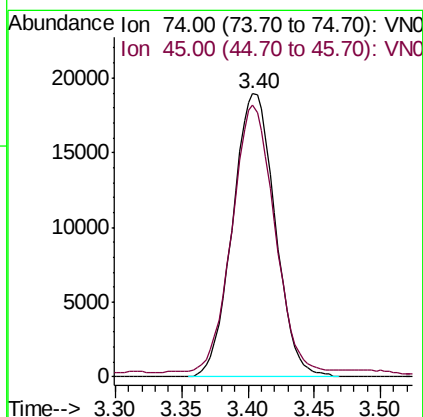
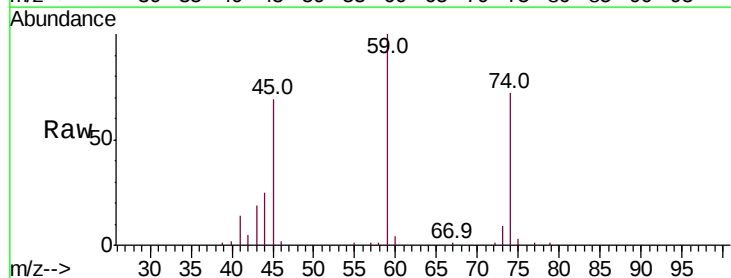
Tot Ion:101 Resp: 92797
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

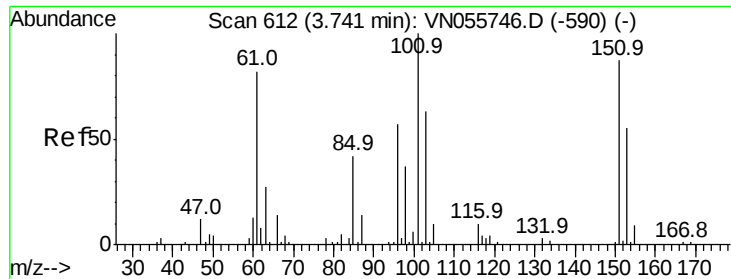


#8

Diethyl Ether
 Concen: 19.770 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion: 74 Resp: 42183
 Ion Ratio Lower Upper
 74 100
 45 93.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.838 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0528WBS01

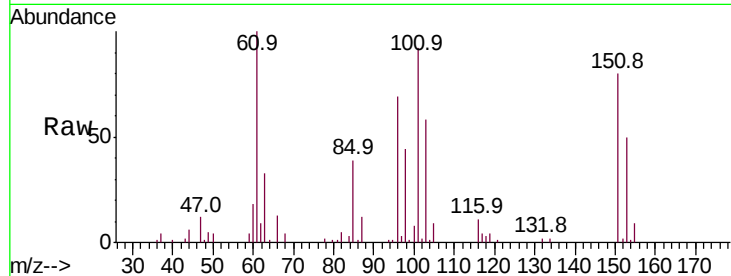
Tot Ion:101 Resp: 58953

Ion Ratio Lower Upper

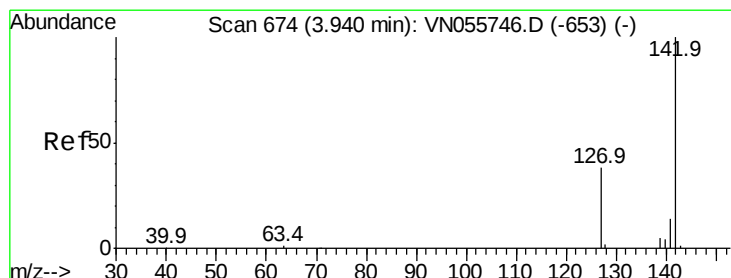
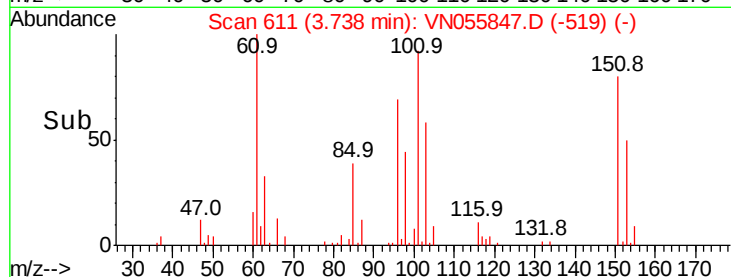
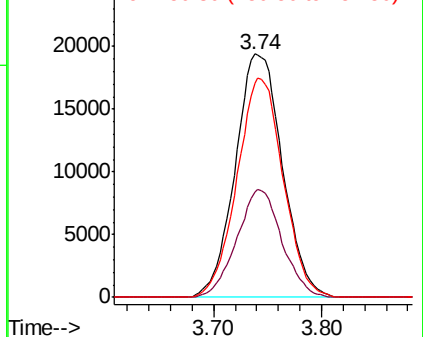
101 100

85 42.2 33.4 50.2

151 88.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.566 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

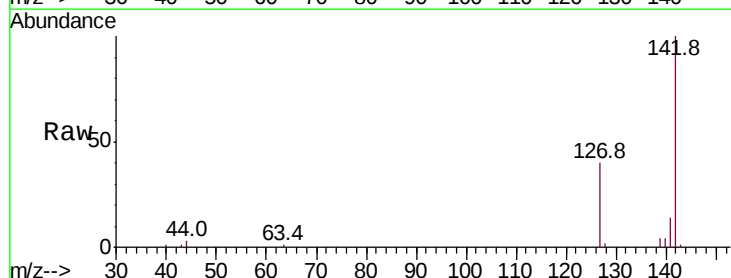
Tgt Ion:142 Resp: 89353

Ion Ratio Lower Upper

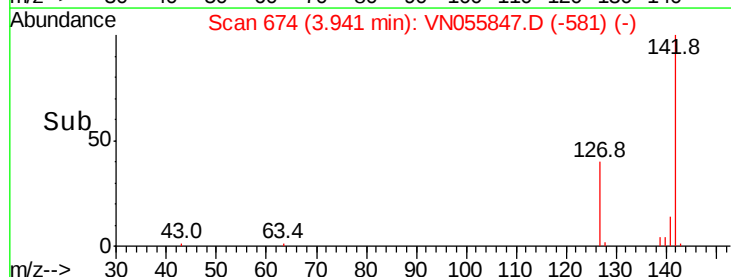
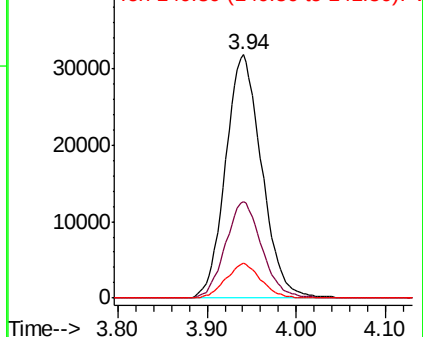
142 100

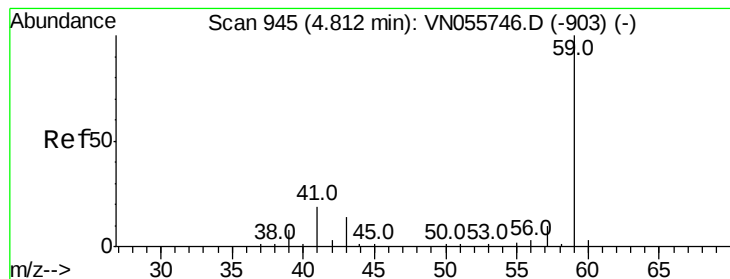
127 39.8 31.0 46.4

141 13.8 11.4 17.0



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



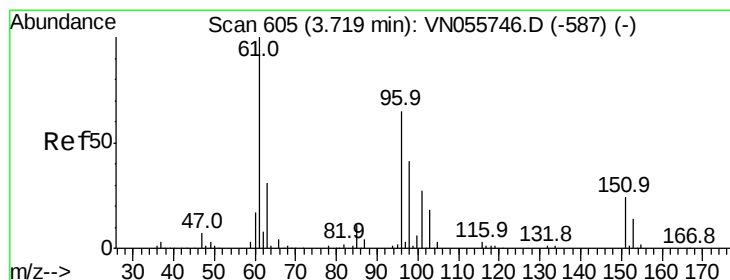
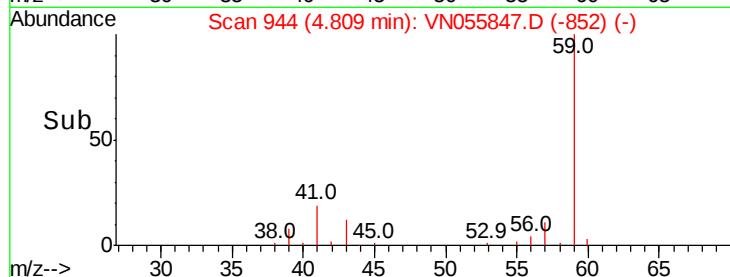
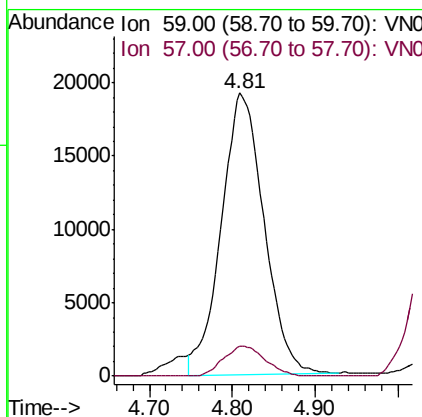
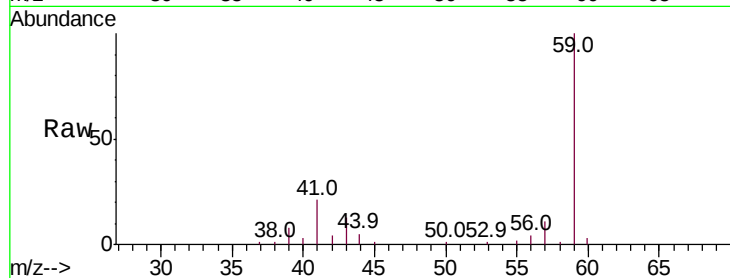


#11

Tert butyl alcohol
 Concen: 96.661 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

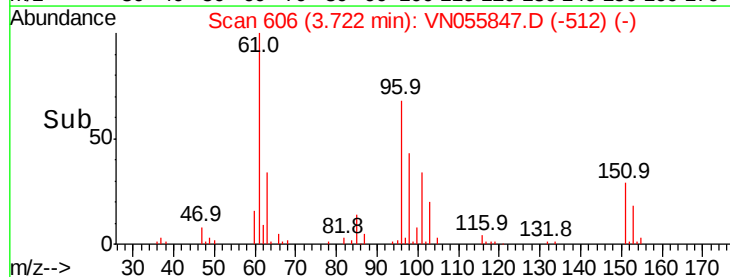
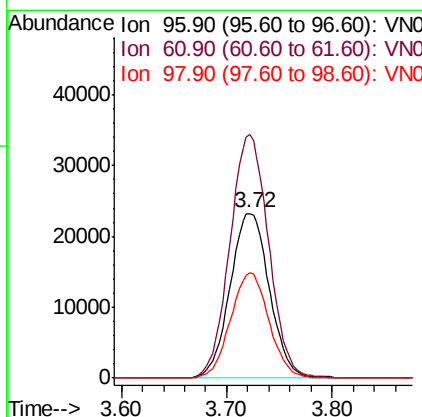
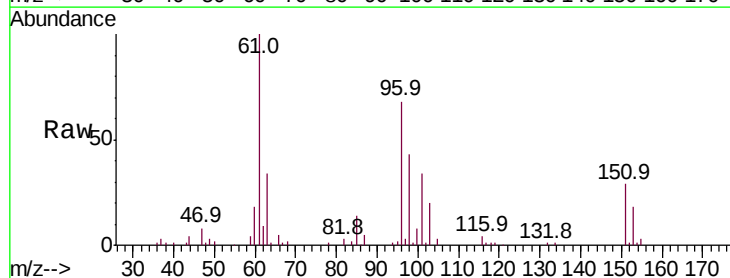
Tot Ion: 59 Resp: 68862
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.6

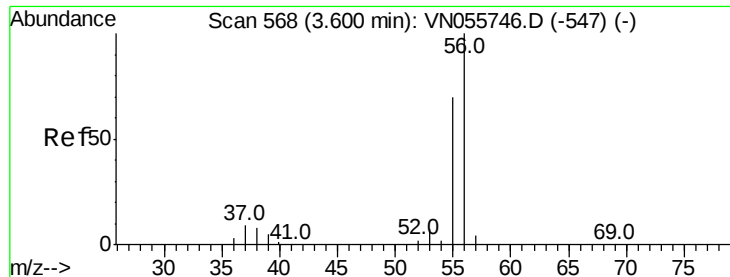


#12

1,1-Dichloroethene
 Concen: 19.624 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion: 96 Resp: 60257
 Ion Ratio Lower Upper
 96 100
 61 147.9 123.2 184.8
 98 64.3 50.4 75.6





#13

Acrolein

Concen: 89.773 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

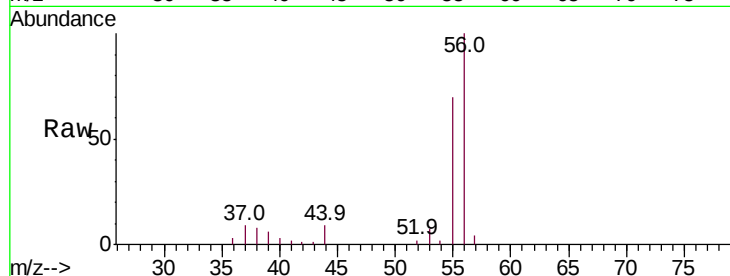
VN0528WBS01

Tot Ion: 56 Resp: 45794

Ion Ratio Lower Upper

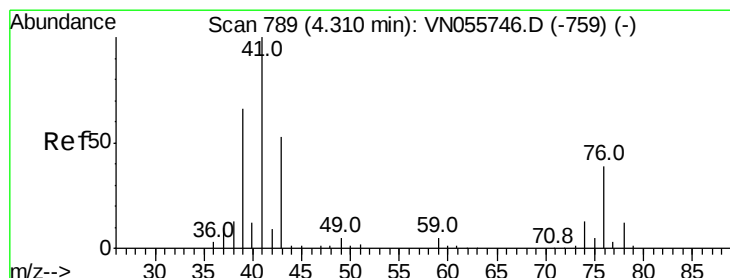
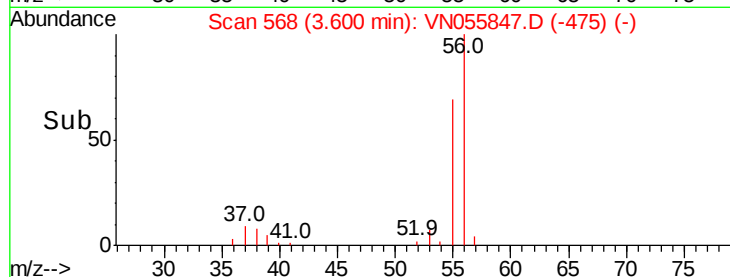
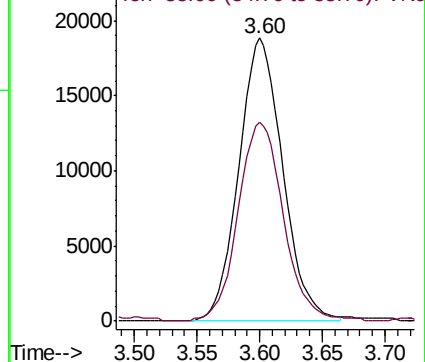
56 100

55 72.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.647 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

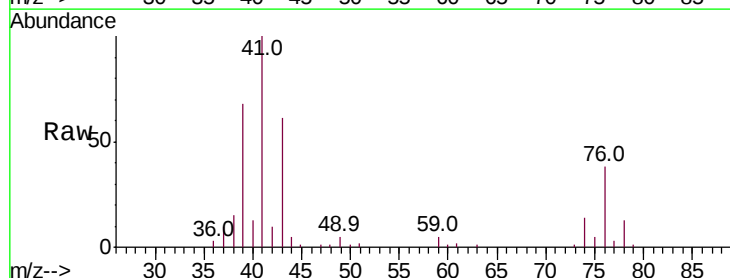
Tgt Ion: 41 Resp: 98157

Ion Ratio Lower Upper

41 100

39 63.4 50.0 75.0

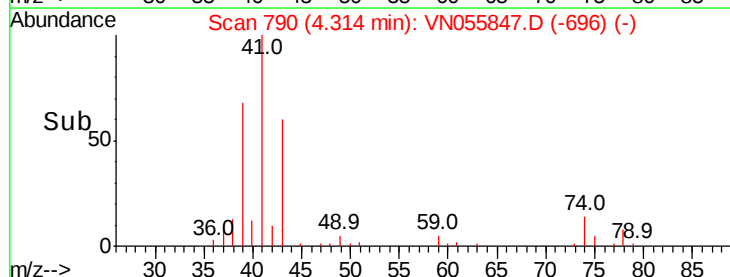
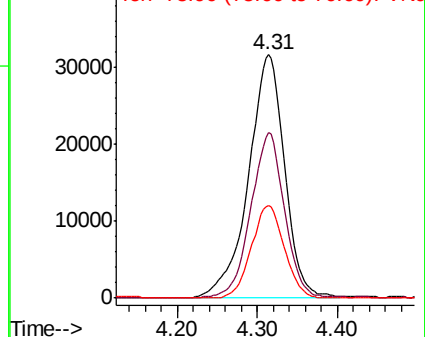
76 34.4 28.2 42.2

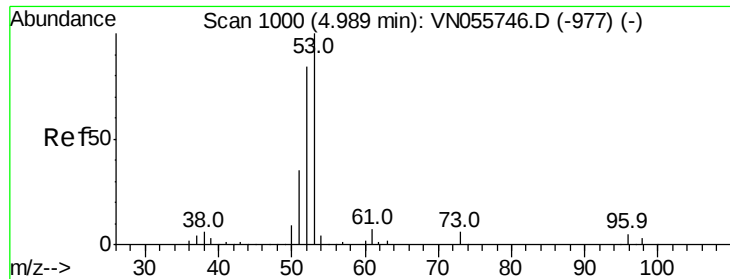


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.513 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

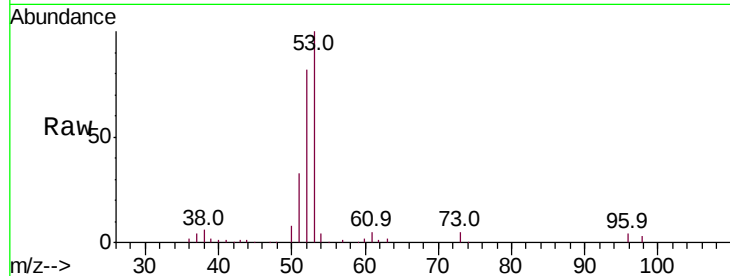
MSVOA_N

ClientSampleId :

VN0528WBS01

Tot Ion: 53 Resp: 167697

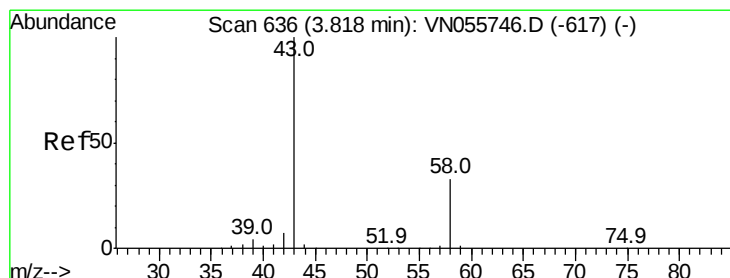
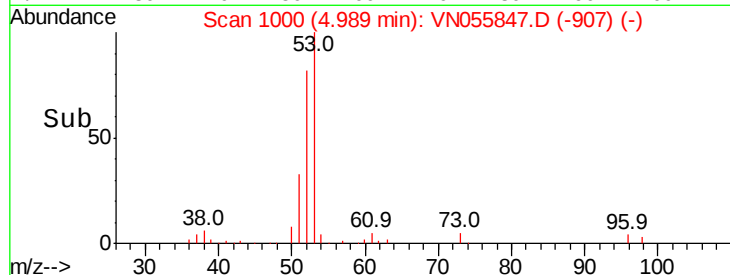
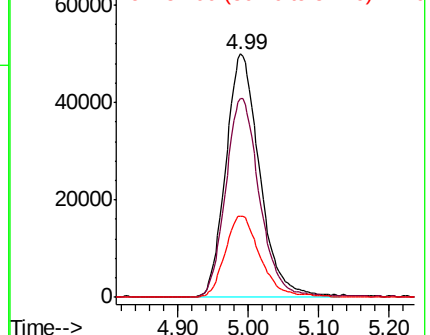
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	34.7	28.2	42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.403 ug/l

RT: 3.82 min Scan# 637

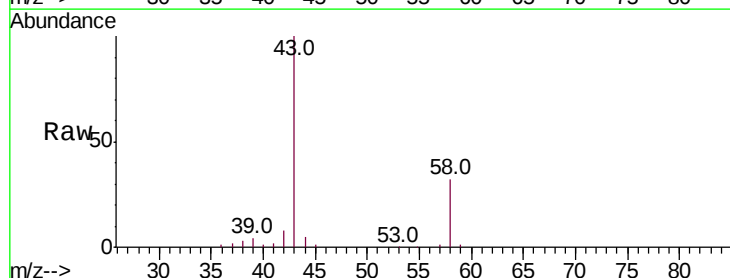
Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

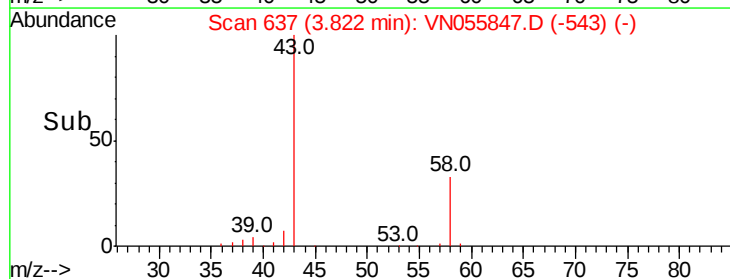
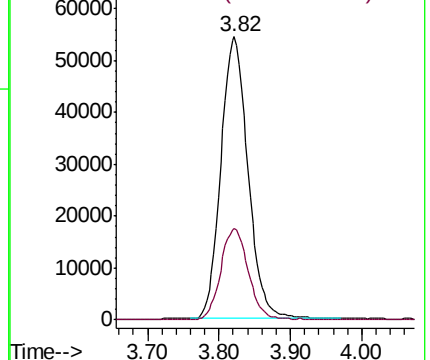
Tgt Ion: 43 Resp: 143253

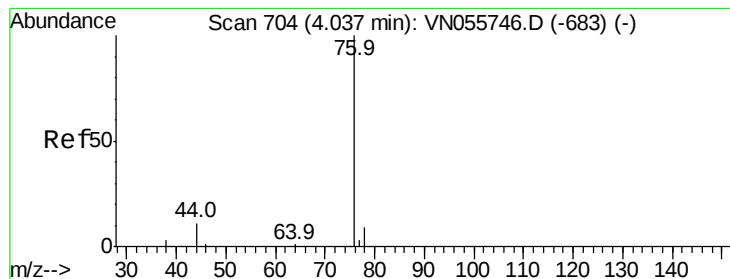
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.6	39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.262 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

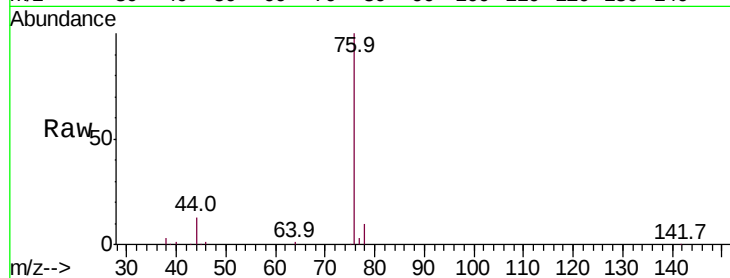
VN0528WBS01

Tot Ion: 76 Resp: 150589

Ion Ratio Lower Upper

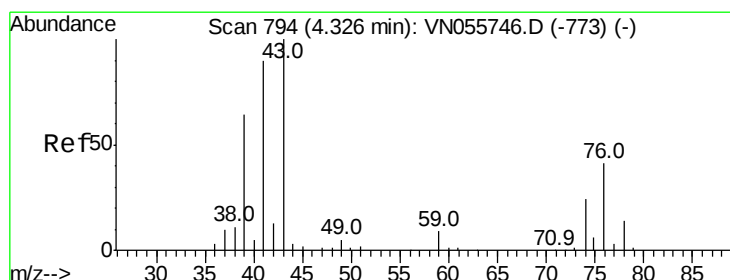
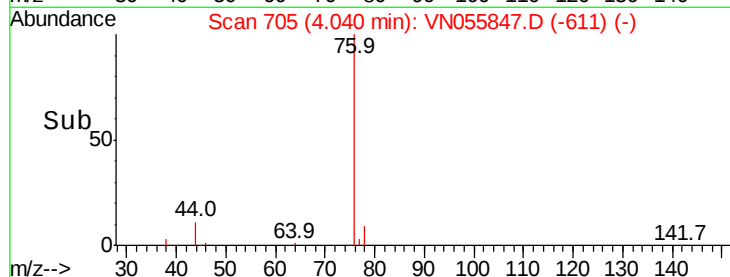
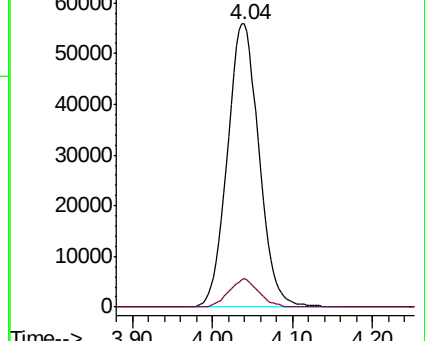
76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.150 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055847.D

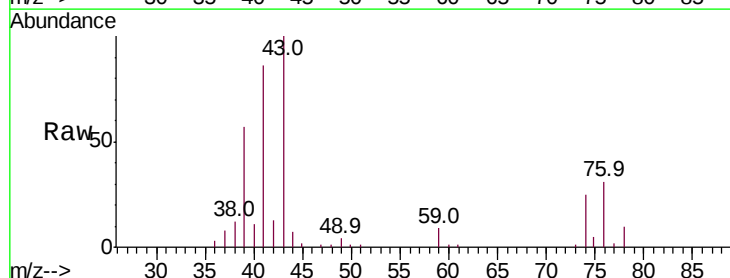
Acq: 28 May 2019 12:51

Tgt Ion: 43 Resp: 72903

Ion Ratio Lower Upper

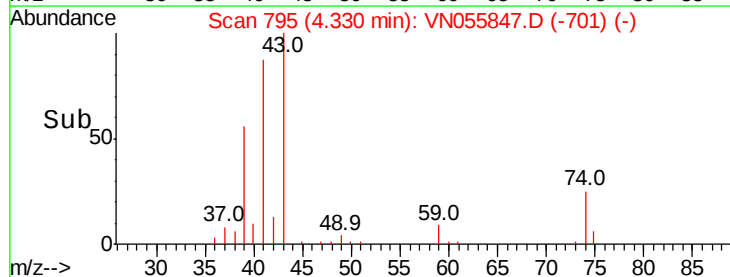
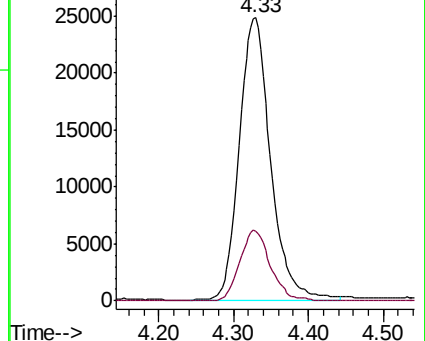
43 100

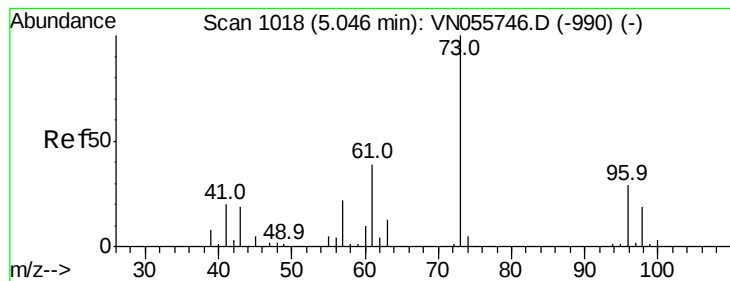
74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



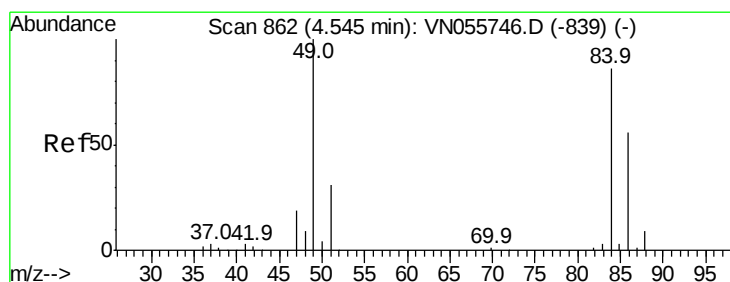
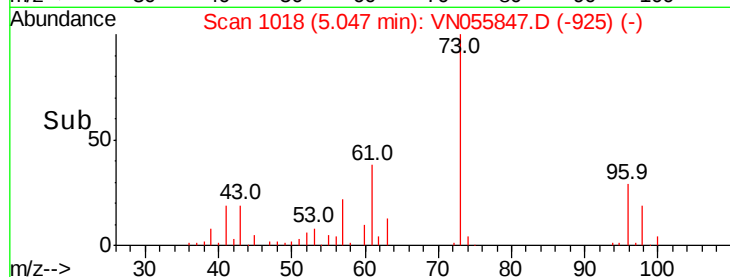
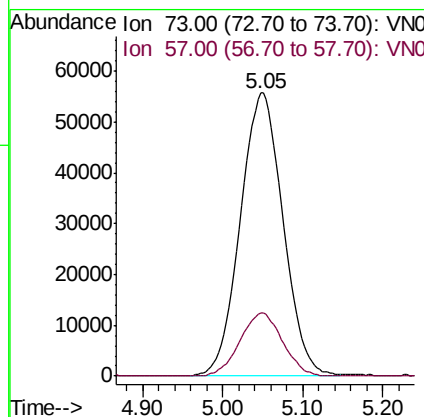
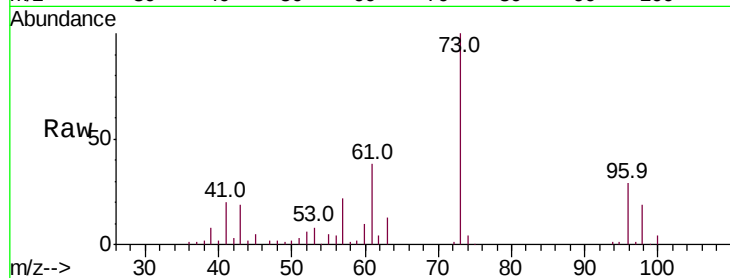


#19

Methyl tert-butyl Ether
 Concen: 19.825 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

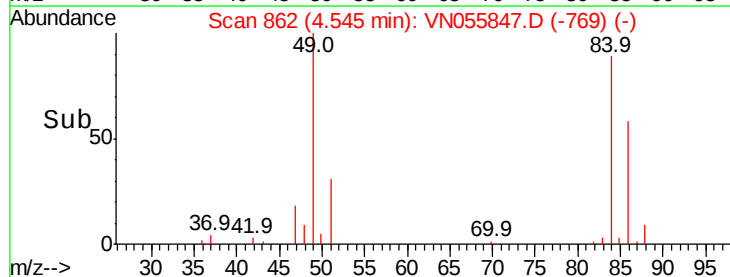
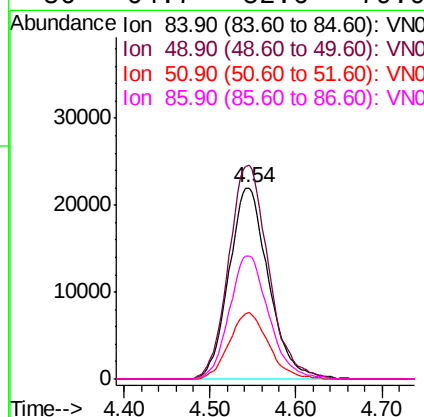
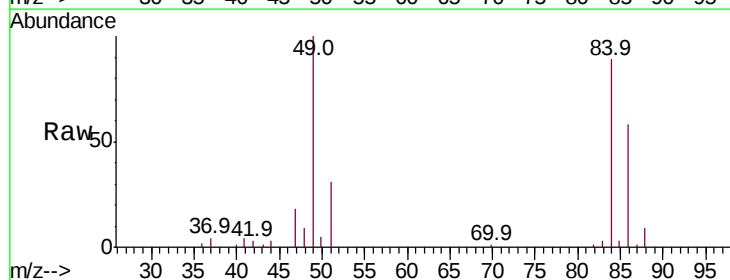
Tot Ion: 73 Resp: 203021
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

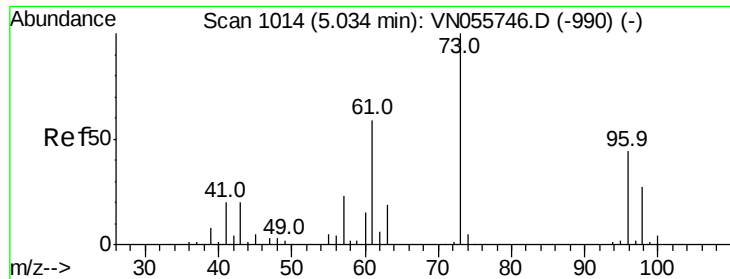


#20

Methylene Chloride
 Concen: 19.869 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion: 84 Resp: 70524
 Ion Ratio Lower Upper
 84 100
 49 111.9 93.5 140.3
 51 34.6 28.6 43.0
 86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.564 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

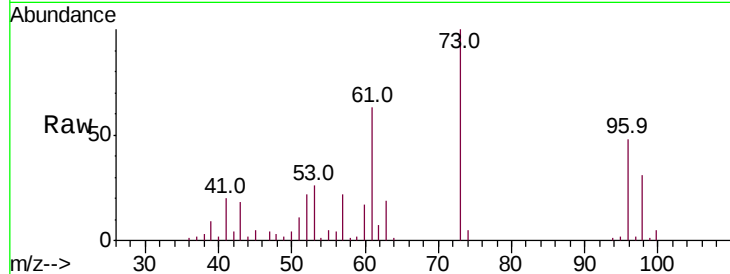
Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion: 96 Resp: 64539

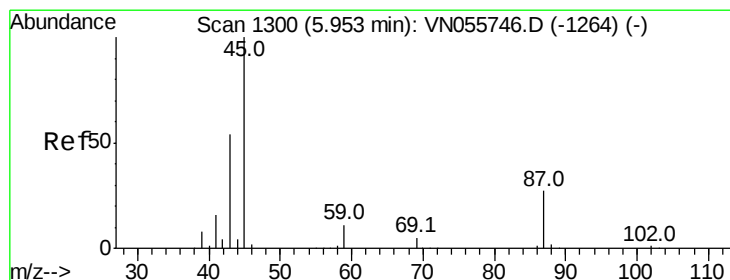
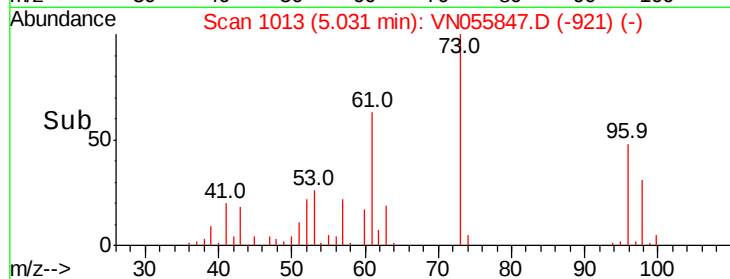
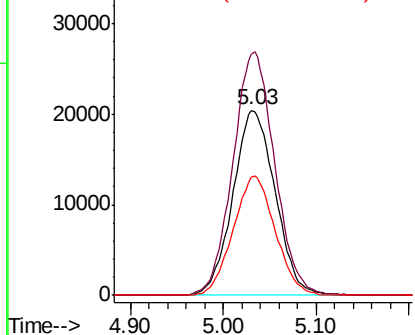
Ion	Ratio	Lower	Upper
96	100		
61	130.3	107.8	161.8
98	64.0	49.8	74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22

Diisopropyl ether

Concen: 19.749 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion: 45 Resp: 202187

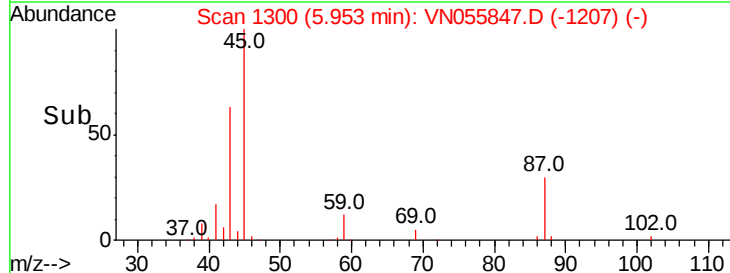
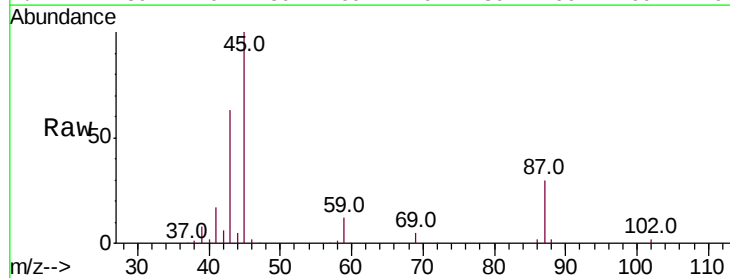
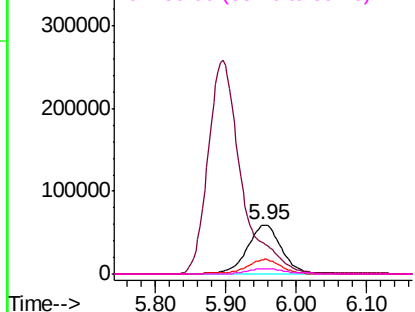
Ion	Ratio	Lower	Upper
45	100		
43	60.7	45.0	67.6
87	29.5	22.2	33.4
59	11.3	9.1	13.7

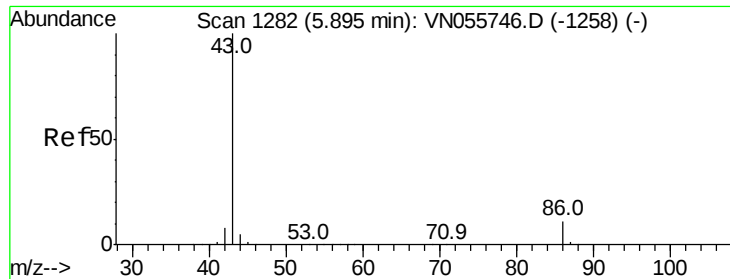
Abundance Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)





#23

Vinyl Acetate

Concen: 97.221 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

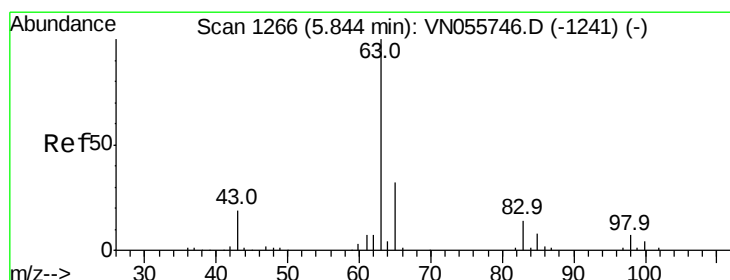
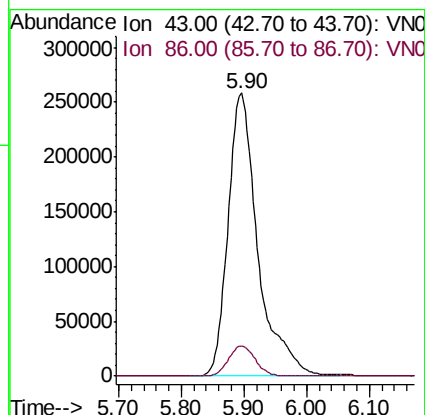
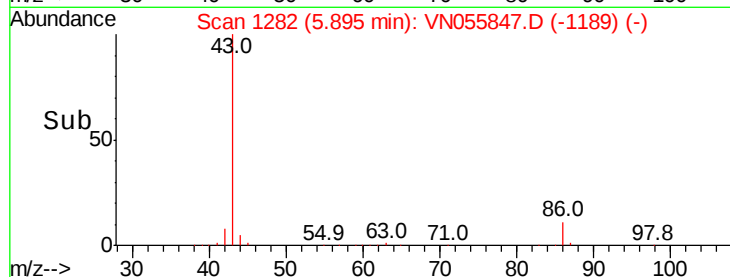
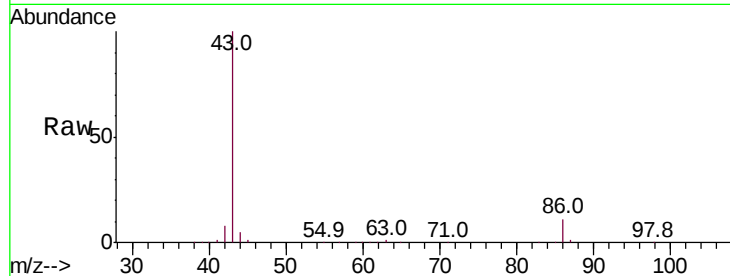
VN0528WBS01

Tot Ion: 43 Resp: 853399

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.302 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

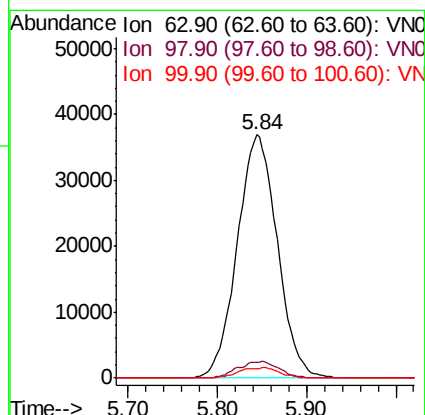
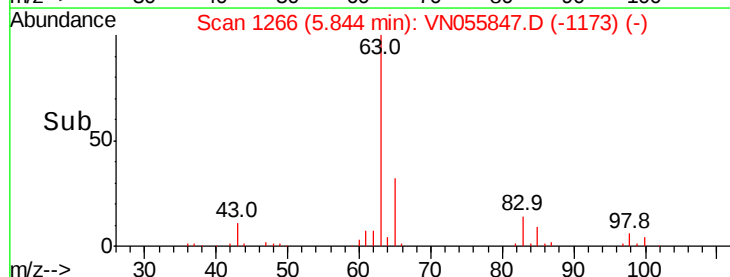
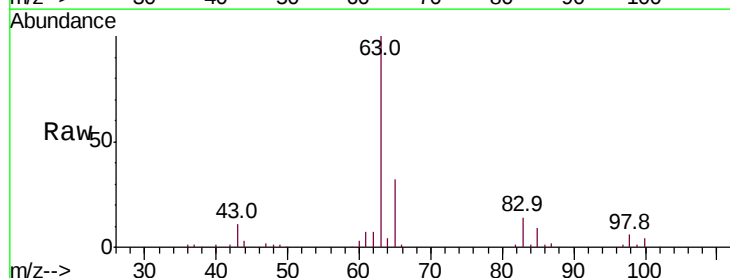
Tgt Ion: 63 Resp: 115058

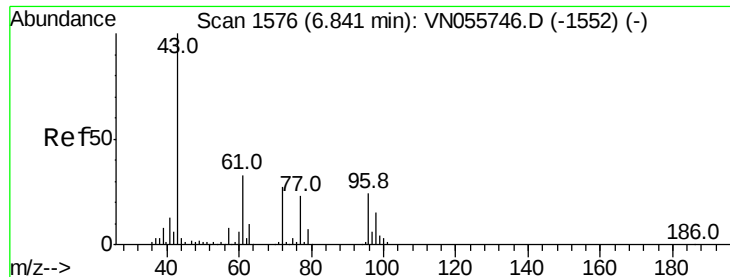
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 3.8 2.2 6.6





#25

2-Butanone

Concen: 96.973 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

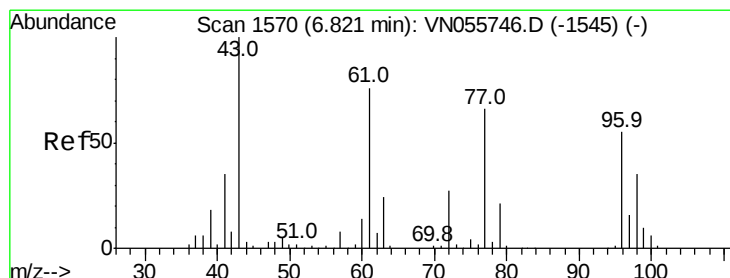
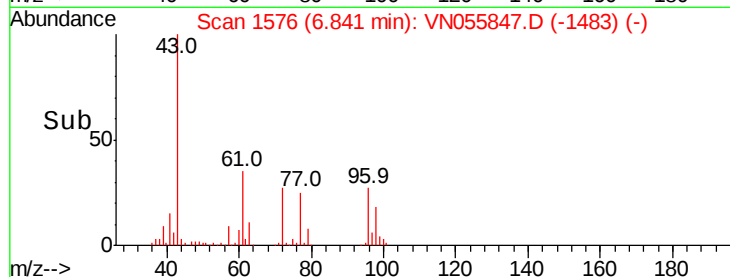
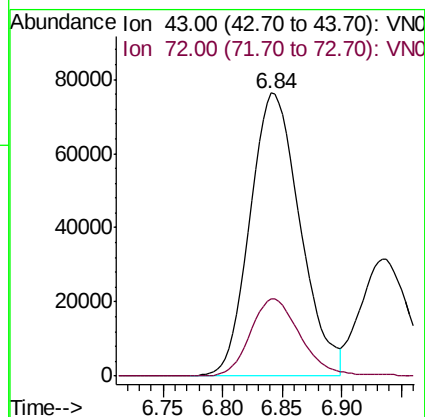
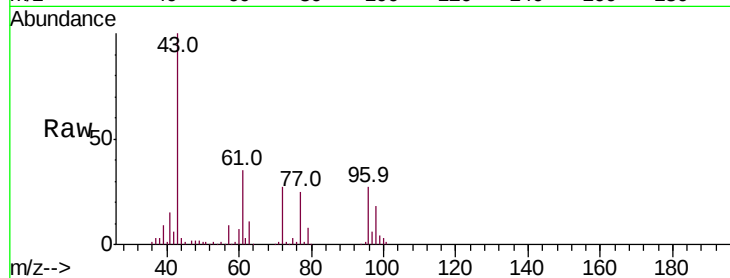
VN0528WBS01

Tot Ion: 43 Resp: 221969

Ion Ratio Lower Upper

43 100

72 27.4 21.9 32.9



#26

2,2-Dichloropropane

Concen: 17.232 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055847.D

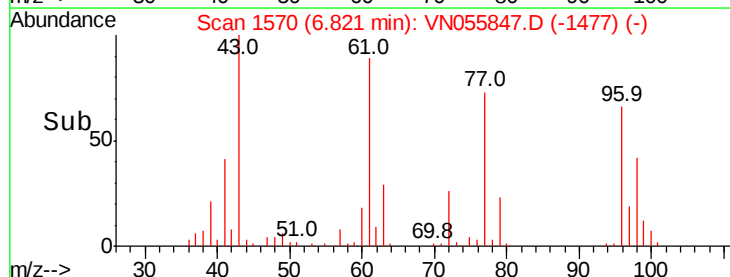
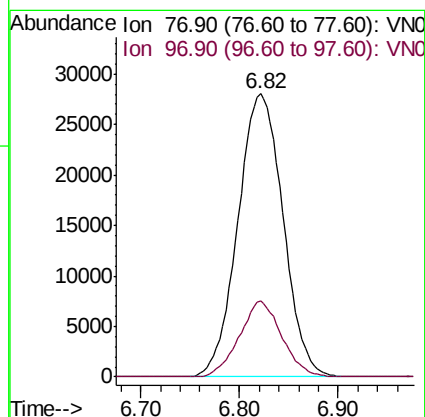
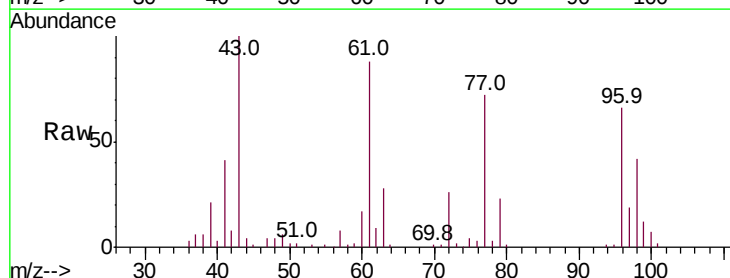
Acq: 28 May 2019 12:51

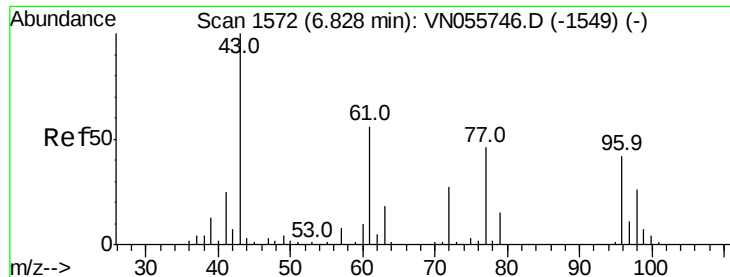
Tgt Ion: 77 Resp: 88898

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.915 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

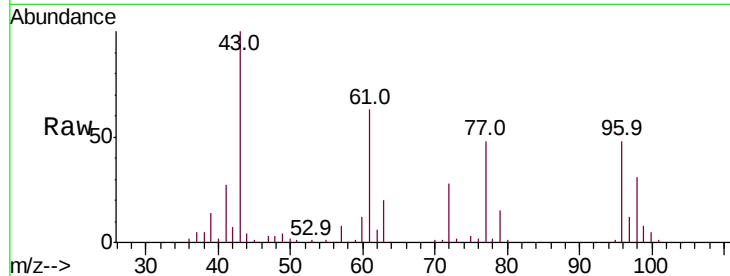
Tot Ion: 96 Resp: 76645

Ion Ratio Lower Upper

96 100

61 134.8 0.0 275.8

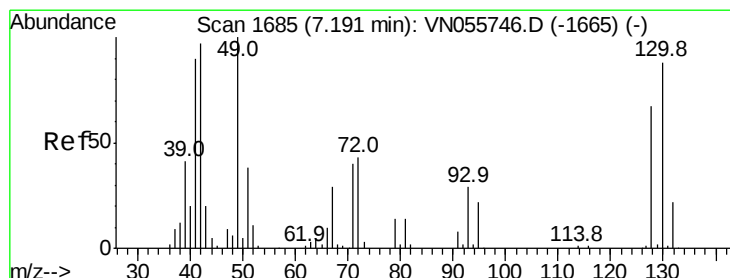
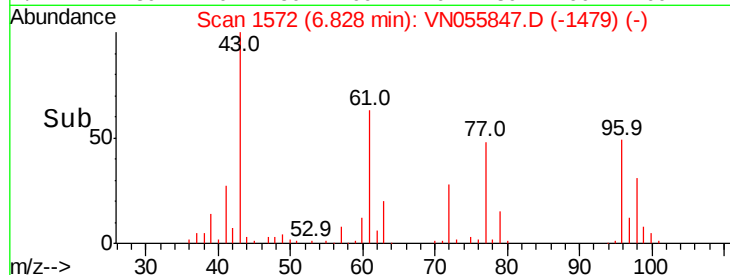
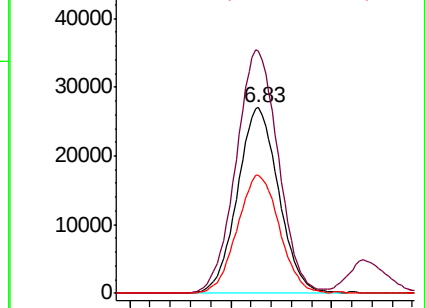
98 65.2 0.0 128.4



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: 20.323 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

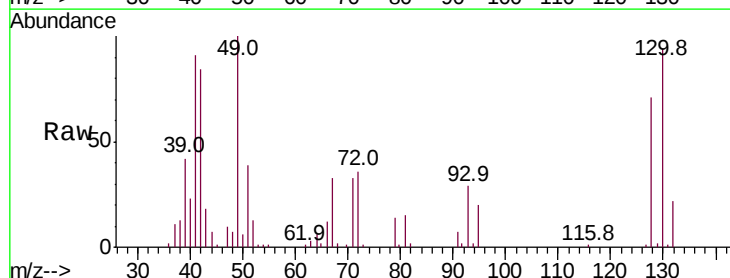
Tgt Ion: 49 Resp: 57678

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

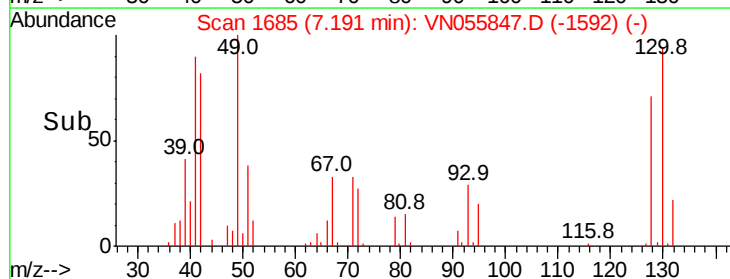
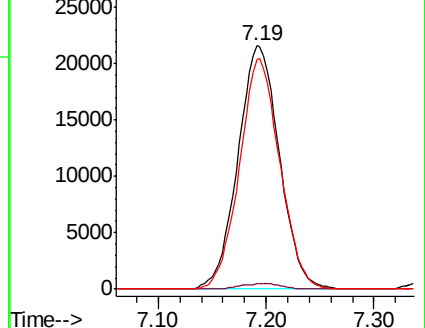
130 92.0 71.2 106.8

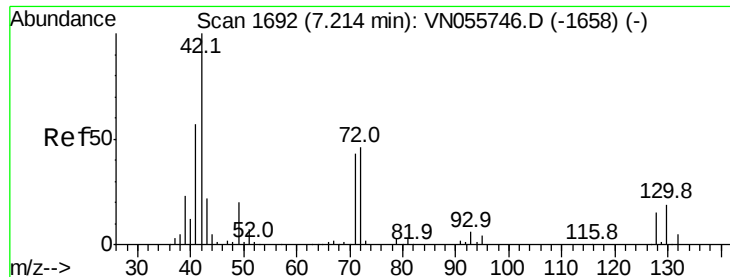


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.923 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0528WBS01

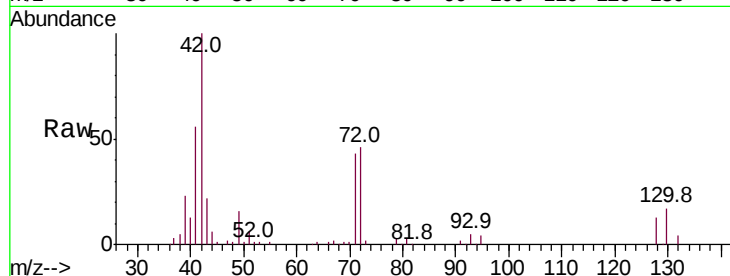
Tot Ion: 42 Resp: 144844

Ion Ratio Lower Upper

42 100

72 46.3 35.9 53.9

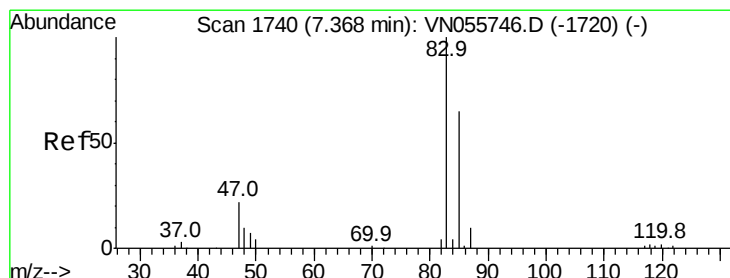
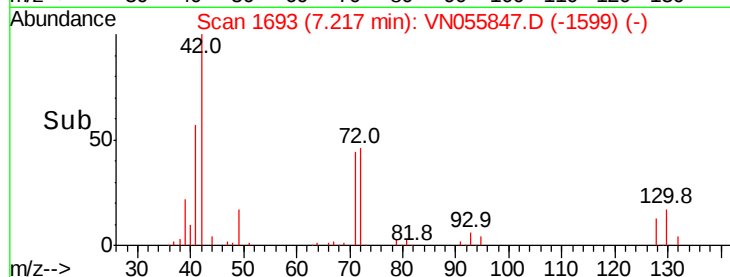
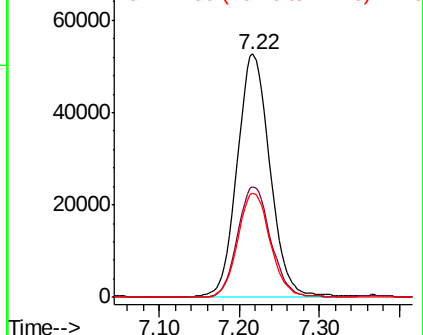
71 42.6 34.0 51.0



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: 20.038 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055847.D

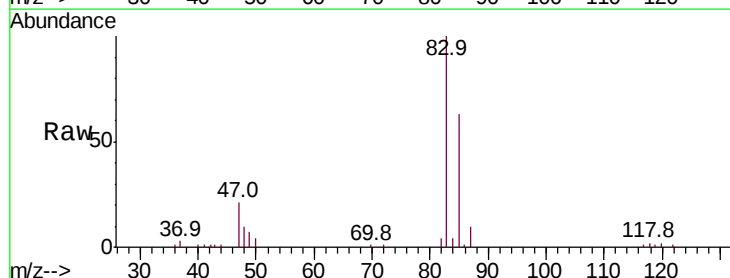
Acq: 28 May 2019 12:51

Tgt Ion: 83 Resp: 119122

Ion Ratio Lower Upper

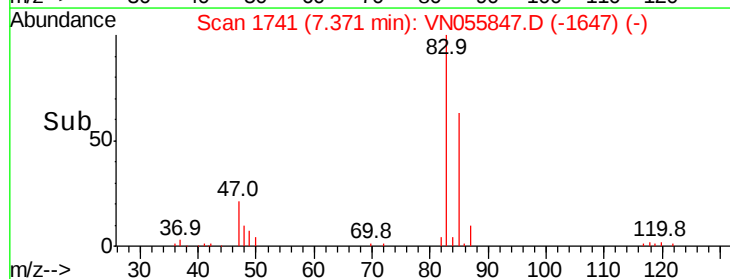
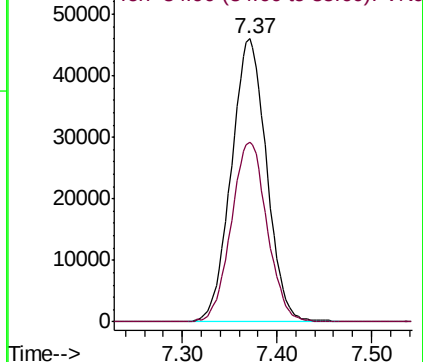
83 100

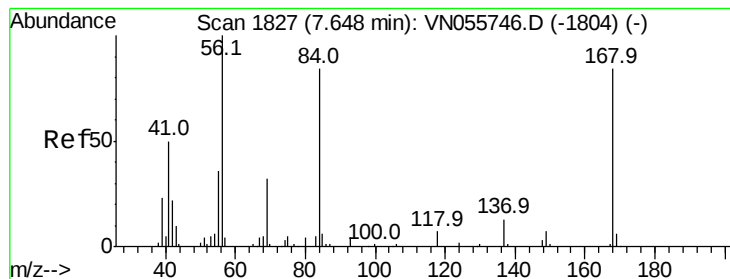
85 63.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.262 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0528WBS01

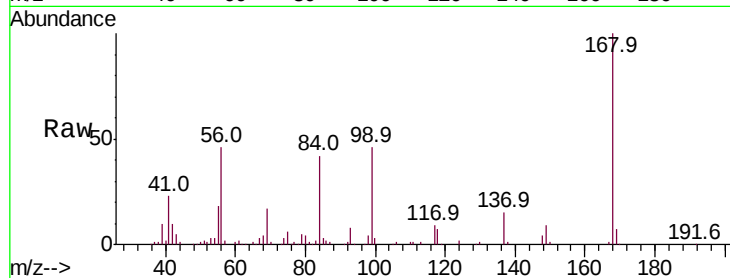
Tot Ion: 56 Resp: 107799

Ion Ratio Lower Upper

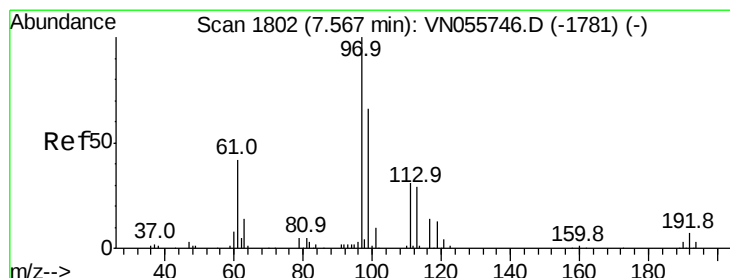
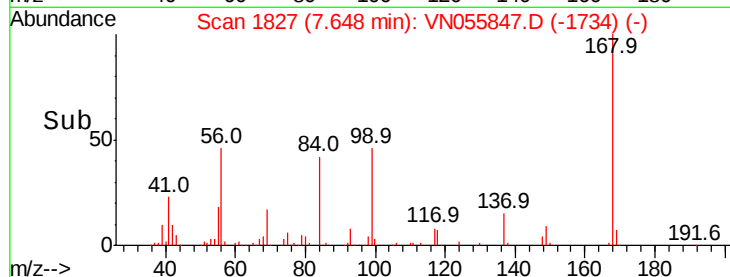
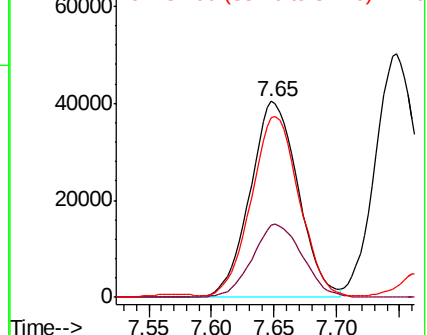
56 100

69 36.7 25.6 38.4

84 90.4 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 19.516 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

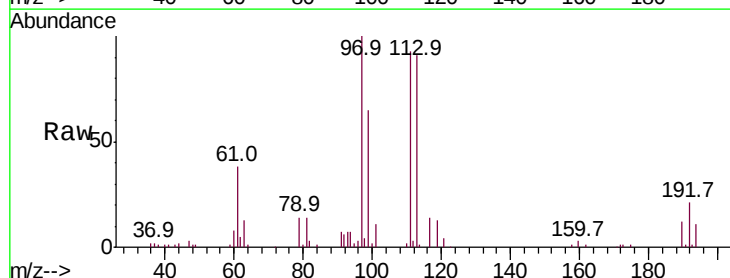
Tgt Ion: 97 Resp: 103528

Ion Ratio Lower Upper

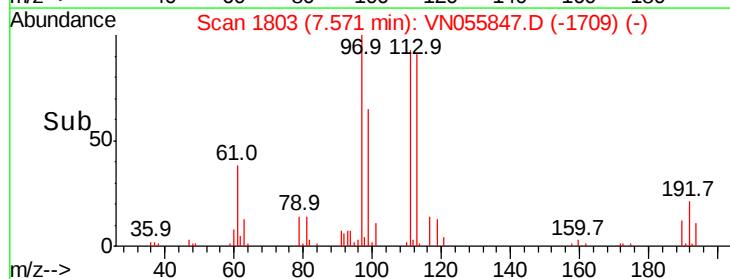
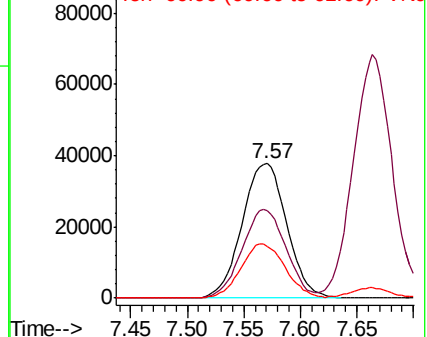
97 100

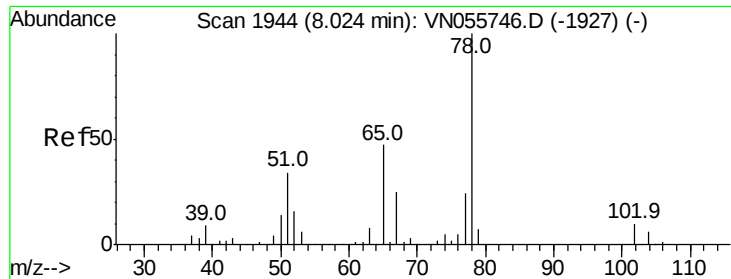
99 64.7 52.0 78.0

61 40.0 32.9 49.3



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

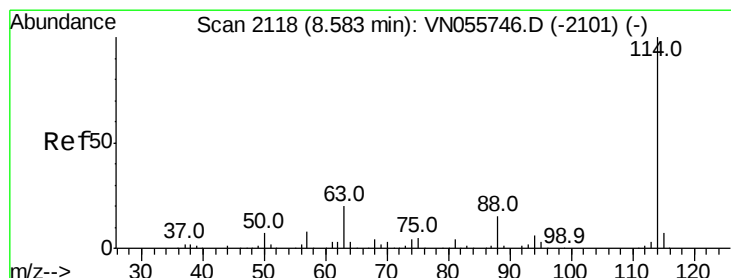
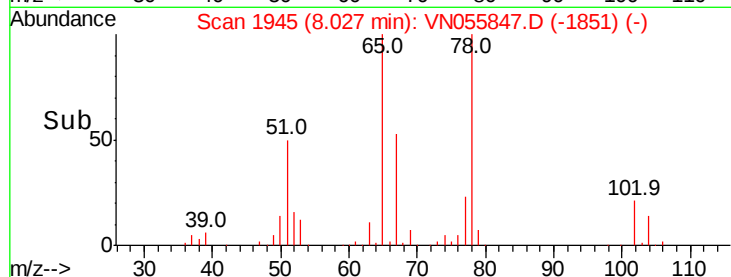
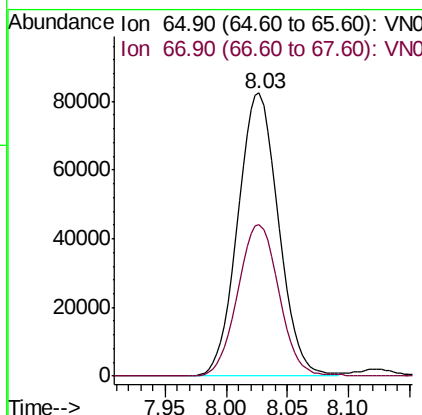
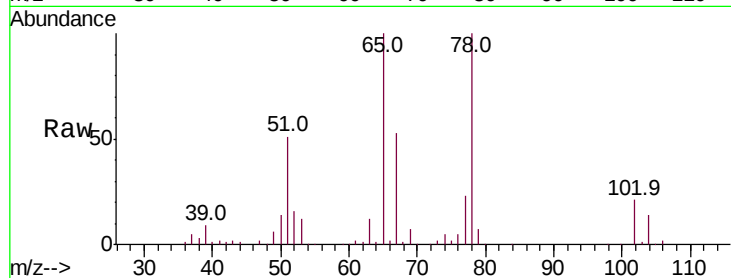




#33
 1,2-Dichloroethane-d4
 Concen: 51.038 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

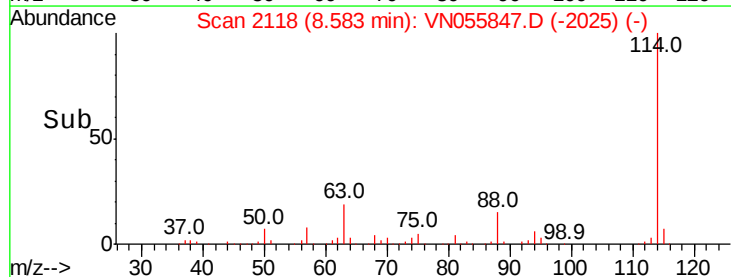
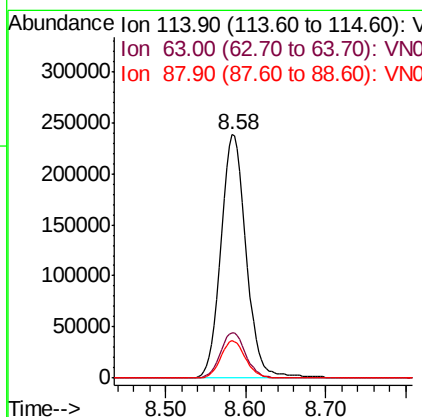
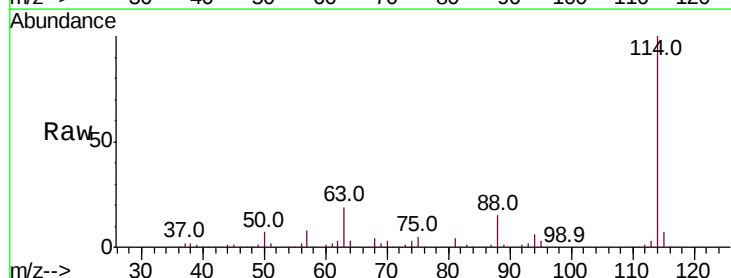
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Tot Ion: 65 Resp: 190300
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion: 114 Resp: 520505
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.149 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

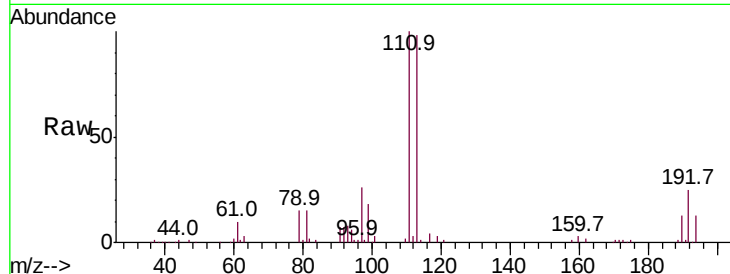
Tot Ion:113 Resp: 168323

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

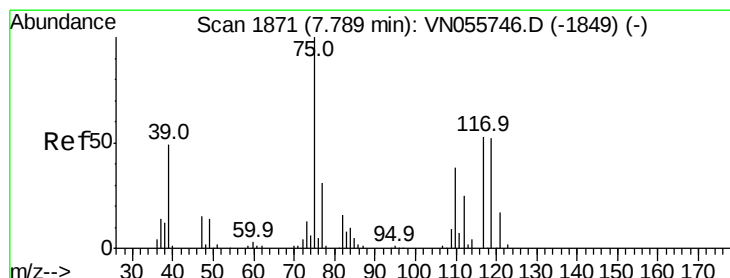
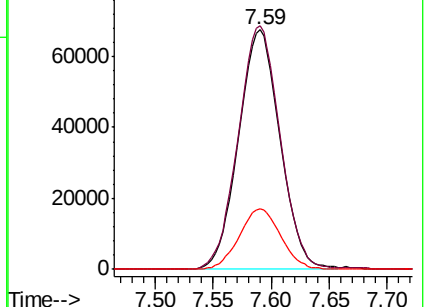
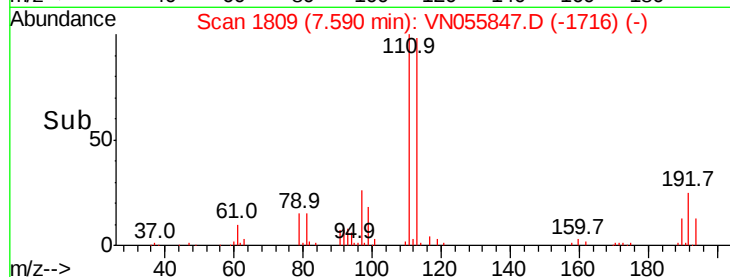
192 25.2 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.584 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

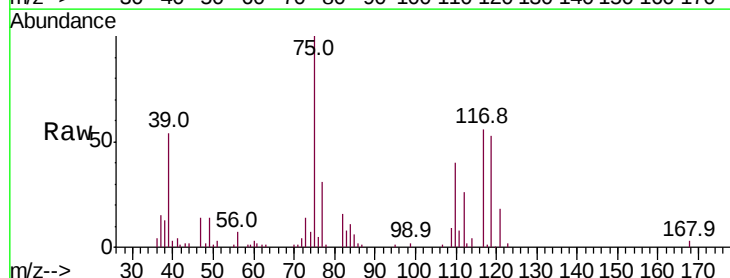
Tgt Ion: 75 Resp: 84298

Ion Ratio Lower Upper

75 100

110 39.8 19.0 57.0

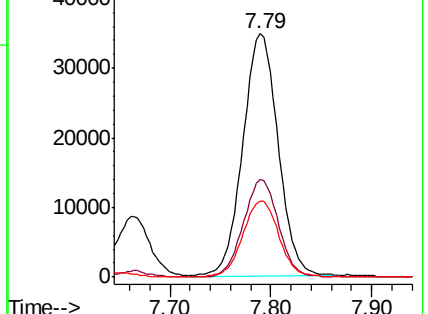
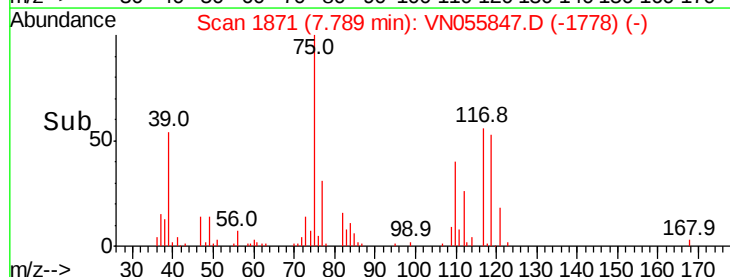
77 32.2 25.1 37.7

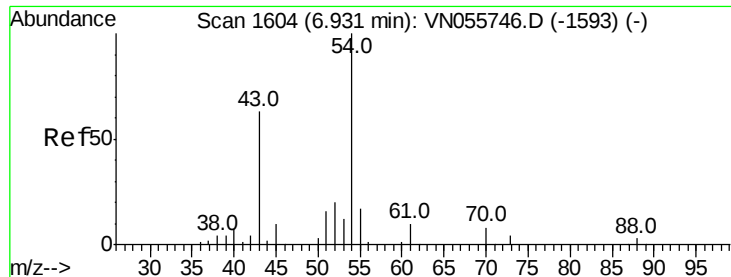


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 20.785 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

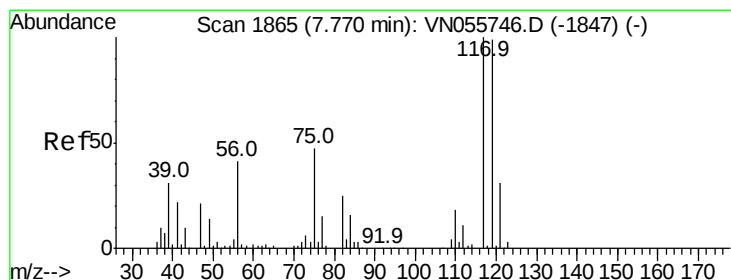
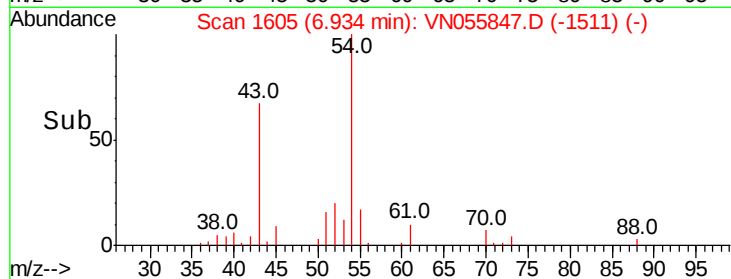
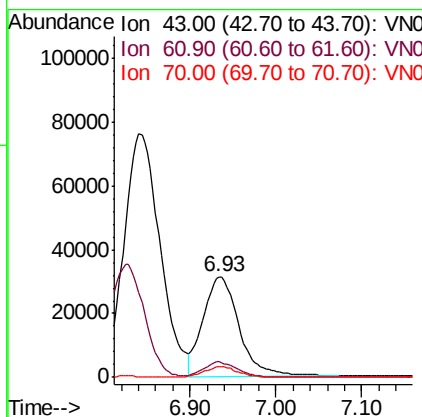
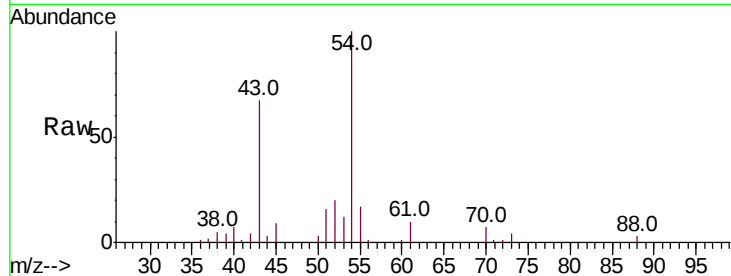
Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 43 Resp: 91123

Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.2	8.9	13.3



#38

Carbon Tetrachloride

Concen: 19.749 ug/l

RT: 7.77 min Scan# 1865

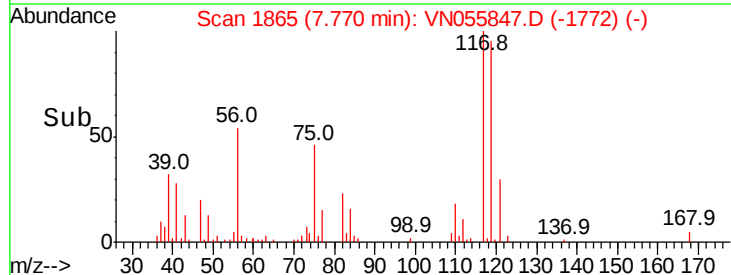
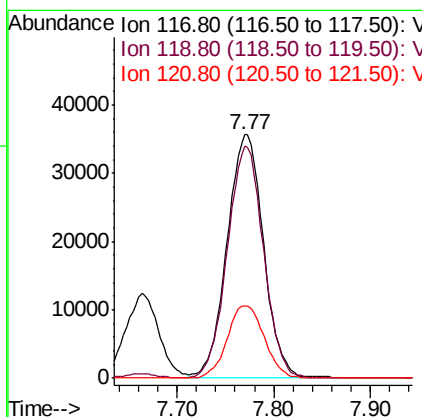
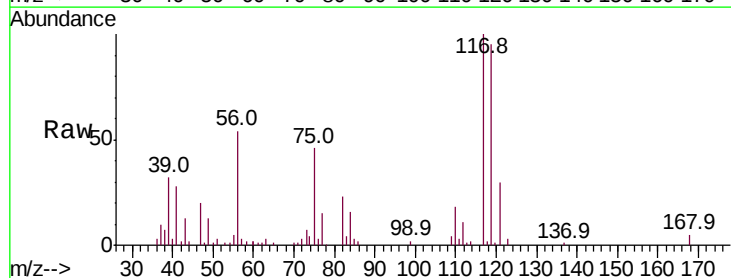
Delta R.T. 0.00 min

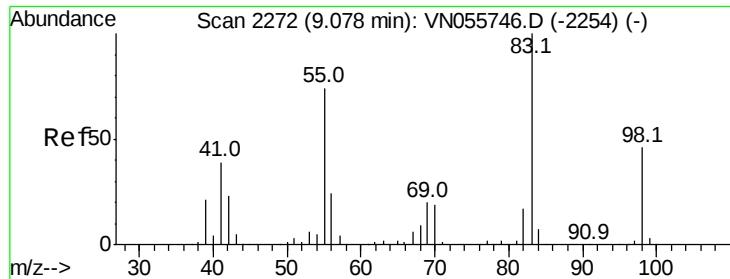
Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion: 117 Resp: 93311

Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.0	118.6
121	29.8	24.7	37.1

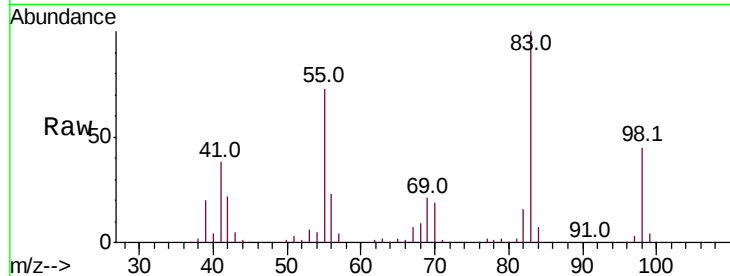




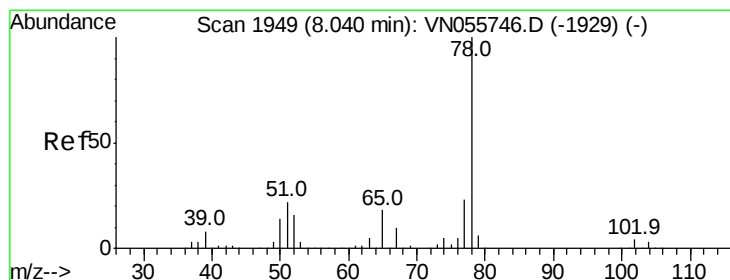
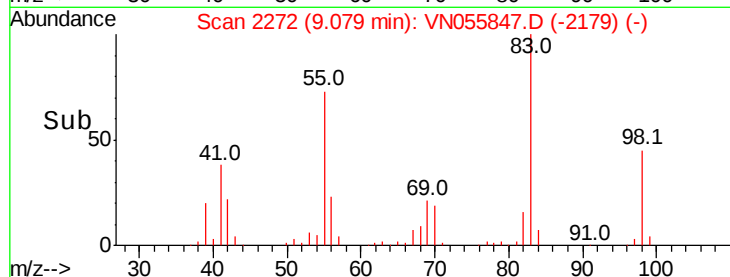
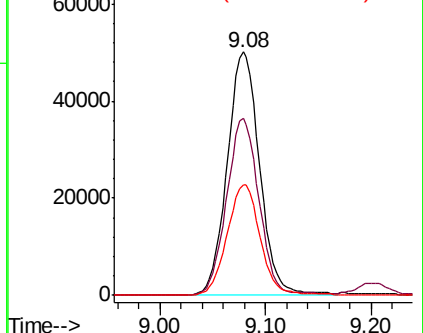
#39
Methvlcvclohexane
Concen: 19.036 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

Tot Ion: 83 Resp: 106927
Ion Ratio Lower Upper
83 100
55 72.8 59.3 88.9
98 45.4 36.6 54.8

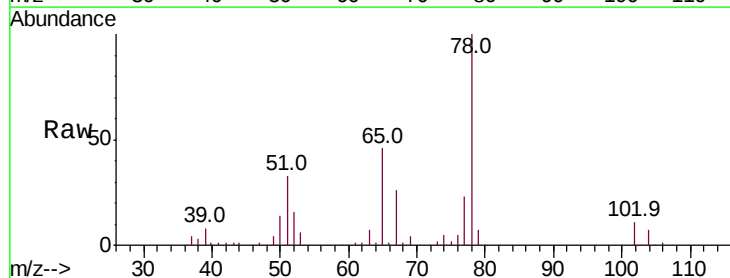


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

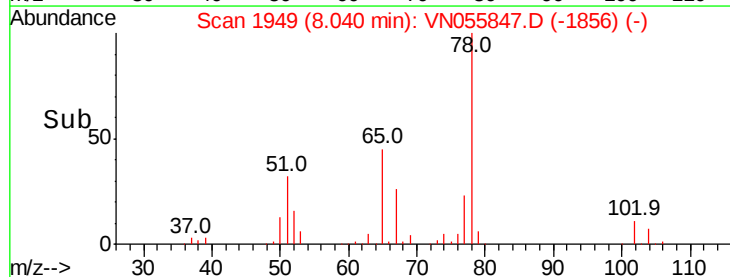
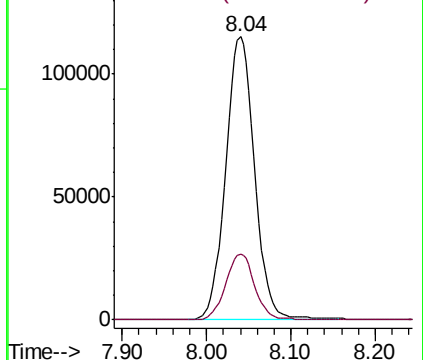


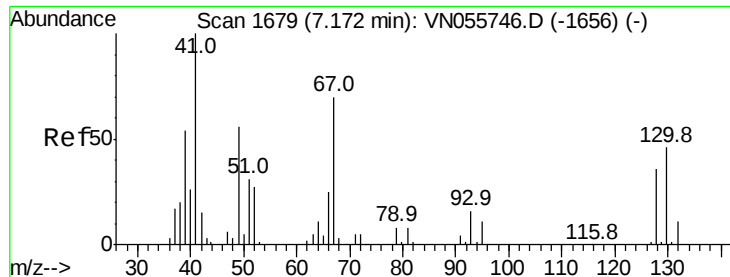
#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 78 Resp: 274604
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

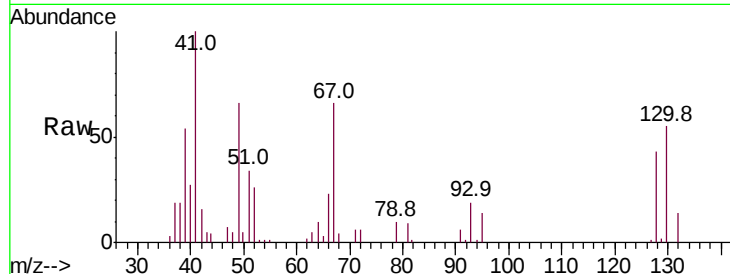




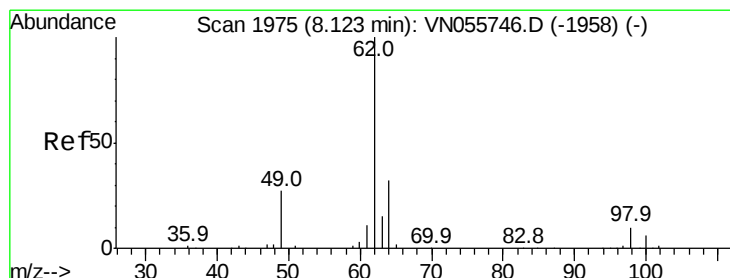
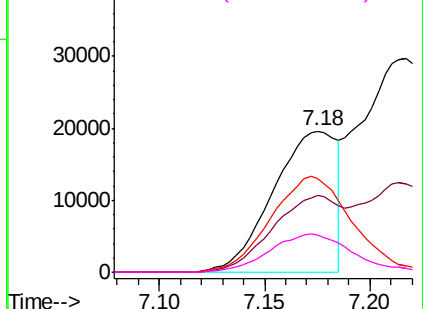
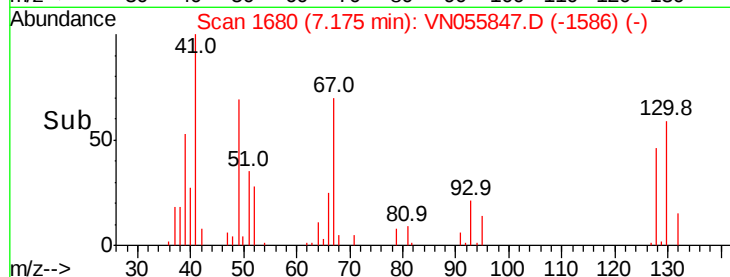
#41
Methacrylonitrile
Concen: 18.598 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion:	41	Resp:	41191
Ion	Ratio	Lower	Upper
41	100		
39	58.3	45.6	68.4
67	88.0	67.7	101.5
52	35.4	26.6	40.0

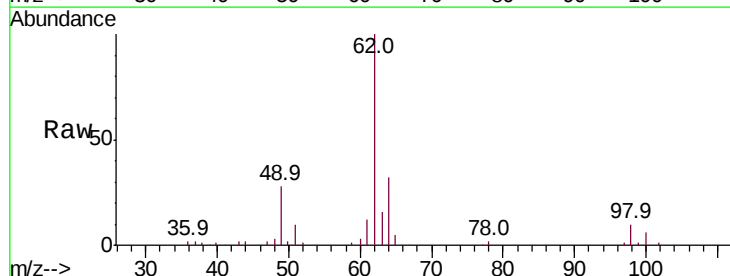


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

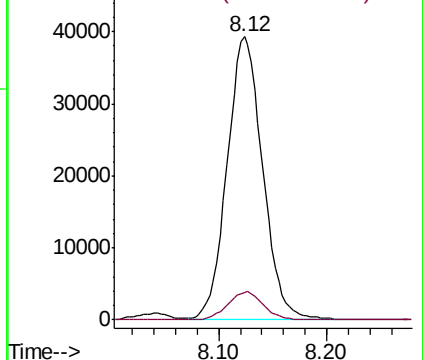
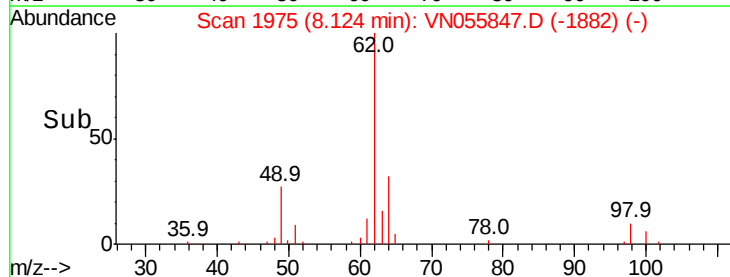


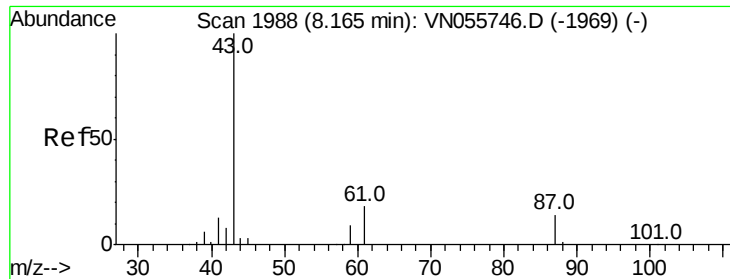
#42
1,2-Dichloroethane
Concen: 20.201 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:	62	Resp:	90237
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 19.440 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

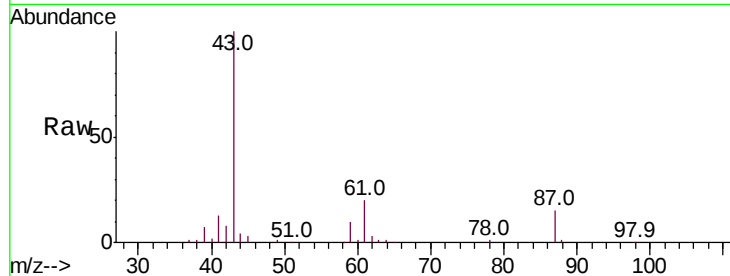
Tot Ion: 43 Resp: 143192

Ion Ratio Lower Upper

43 100

61 20.7 22.2 33.4#

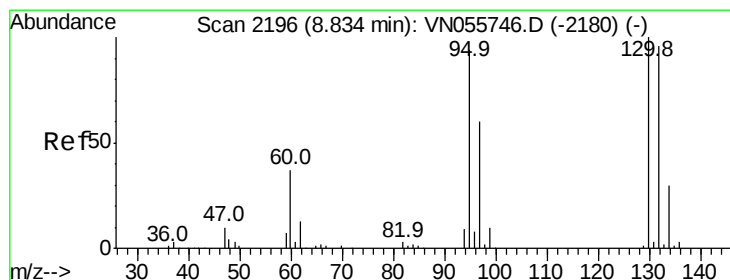
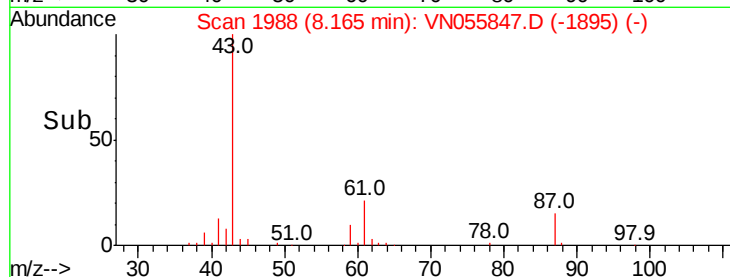
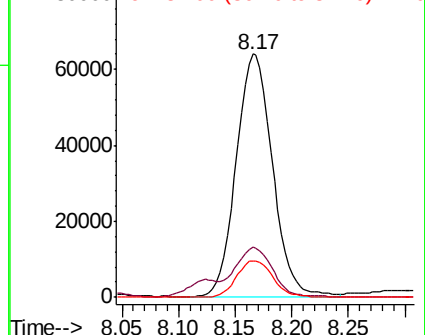
87 15.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 20.173 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055847.D

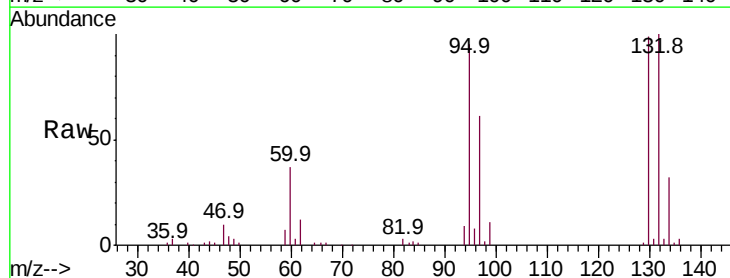
Acq: 28 May 2019 12:51

Tgt Ion:130 Resp: 76882

Ion Ratio Lower Upper

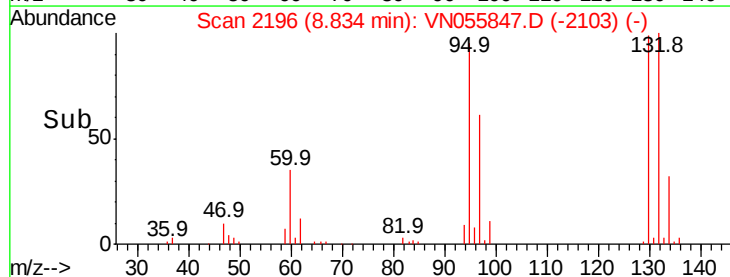
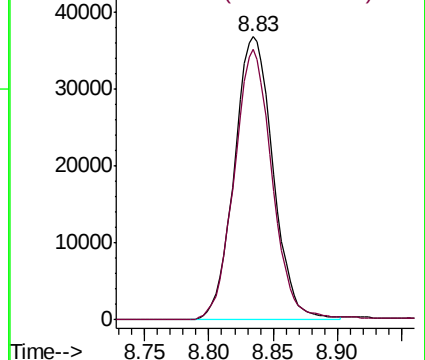
130 100

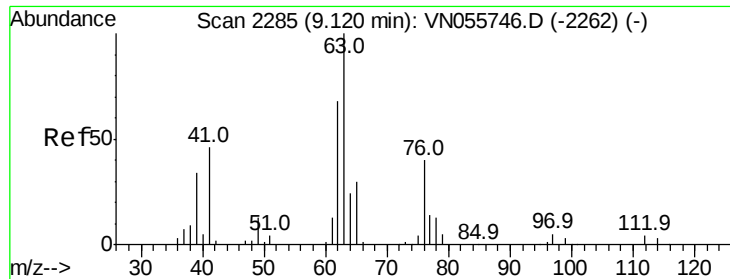
95 95.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.932 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

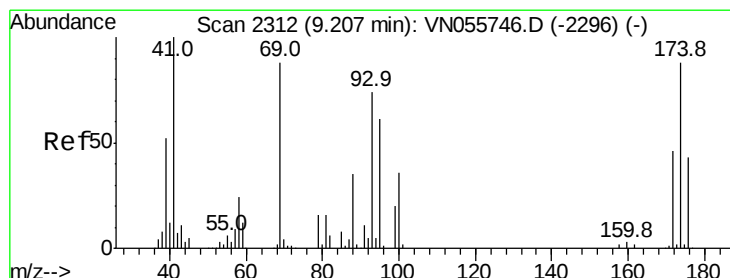
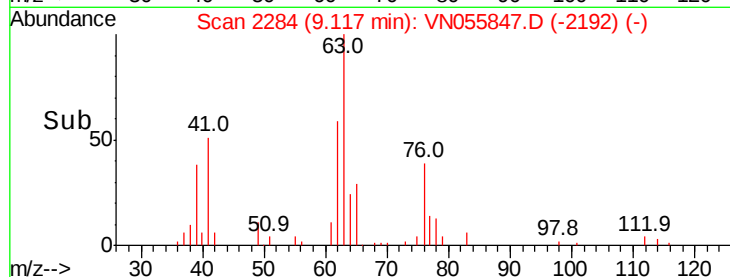
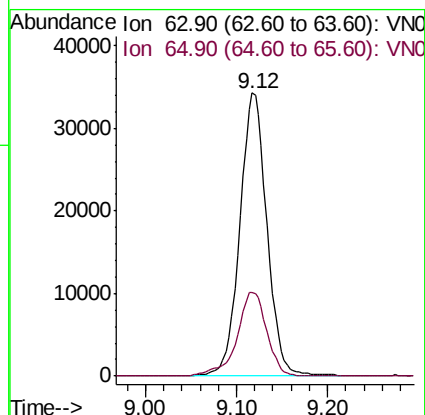
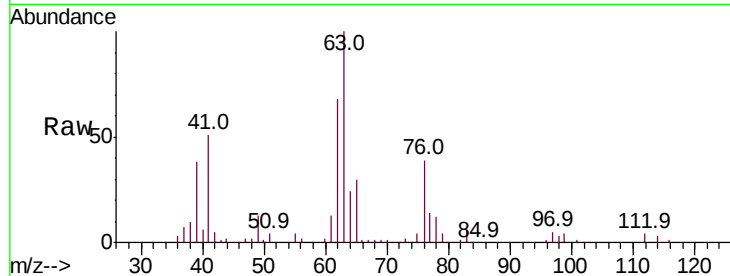
VN0528WBS01

Tot Ion: 63 Resp: 70992

Ion Ratio Lower Upper

63 100

65 29.8 24.6 36.8



#46

Dibromomethane

Concen: 20.372 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

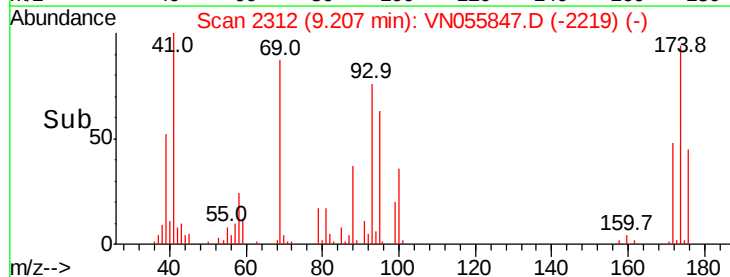
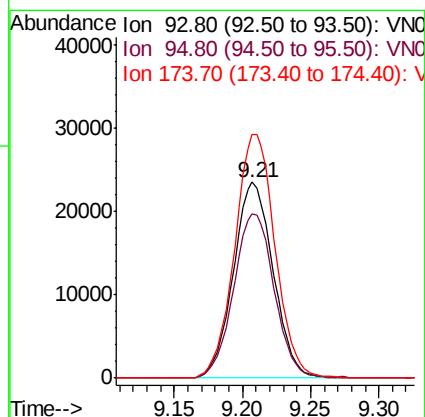
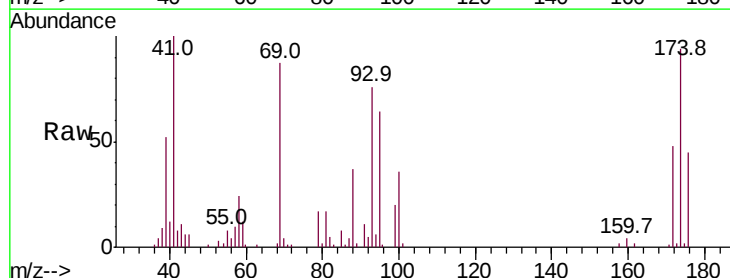
Tgt Ion: 93 Resp: 47585

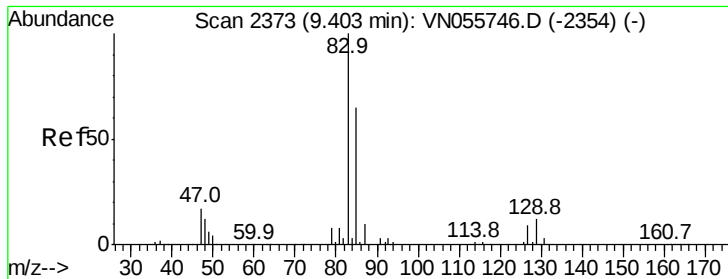
Ion Ratio Lower Upper

93 100

95 85.4 66.7 100.1

174 126.2 96.4 144.6





#47

Bromodichloromethane

Concen: 19.274 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

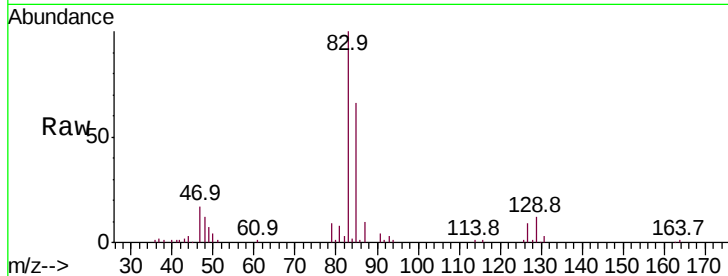
Tot Ion: 83 Resp: 92315

Ion Ratio Lower Upper

83 100

85 65.5 52.2 78.2

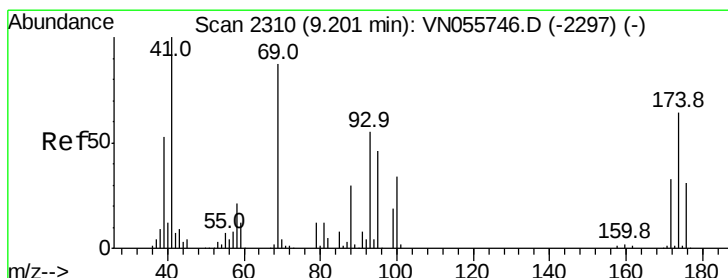
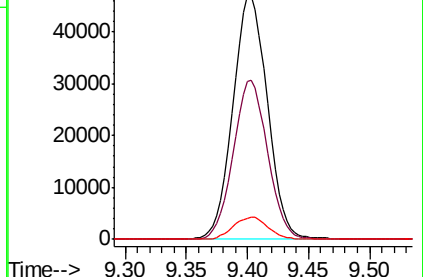
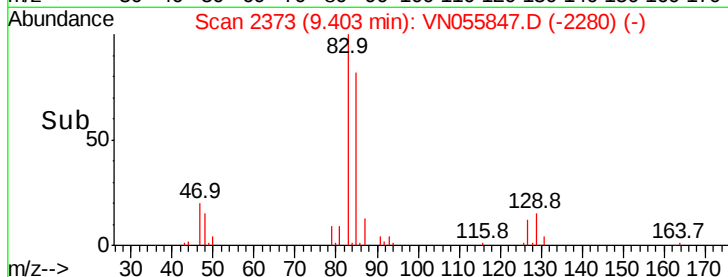
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055847.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055847.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055847.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.089 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

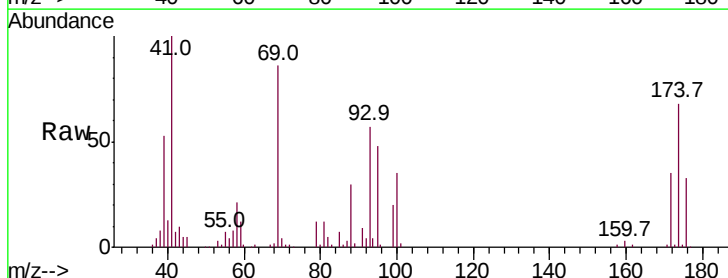
Tgt Ion: 41 Resp: 68199

Ion Ratio Lower Upper

41 100

69 89.9 71.0 106.6

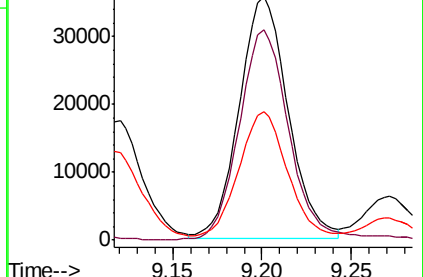
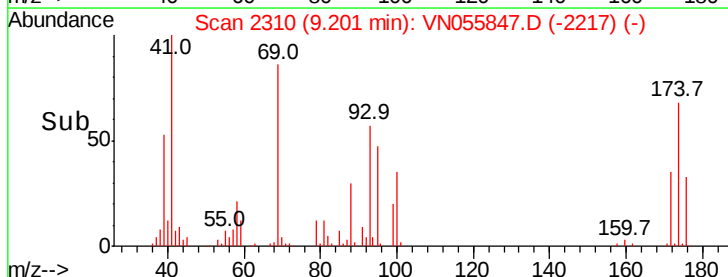
39 53.6 44.2 66.2

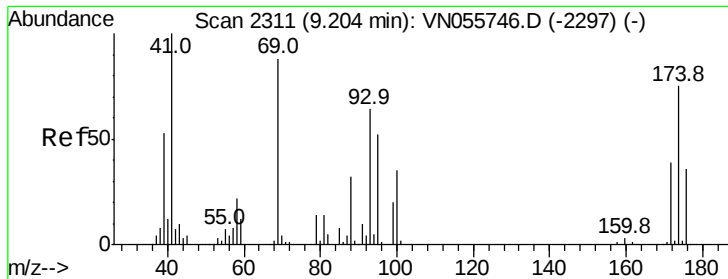


Abundance Ion 41.00 (40.70 to 41.70): VN055847.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055847.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055847.D (-2217) (-)





#49

1,4-Dioxane

Concen: 411.517 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

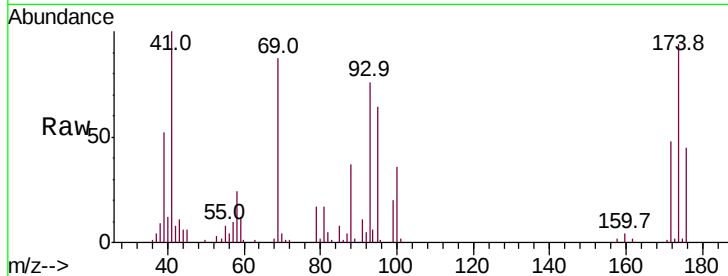
Tot Ion: 88 Resp: 29031

Ion Ratio Lower Upper

88 100

43 25.3 20.5 30.7

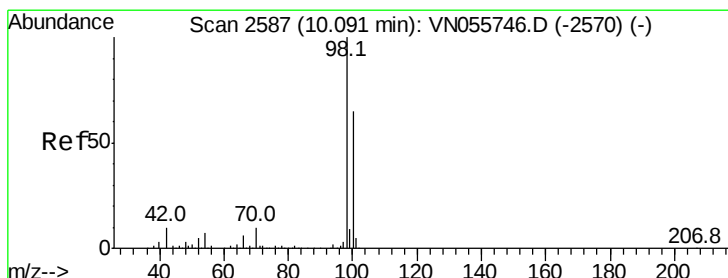
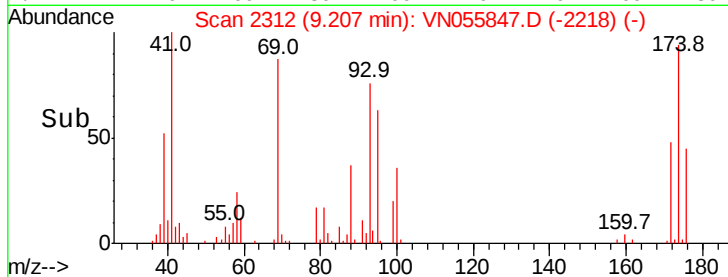
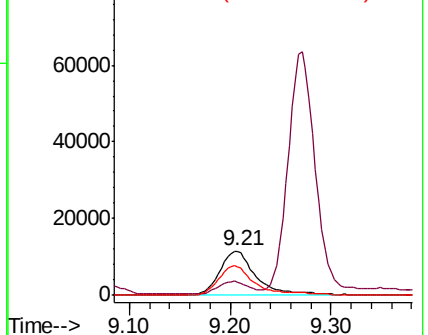
58 63.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055847.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055847.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055847.D (-2297) (-)



#50

Toluene-d8

Concen: 50.841 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055847.D

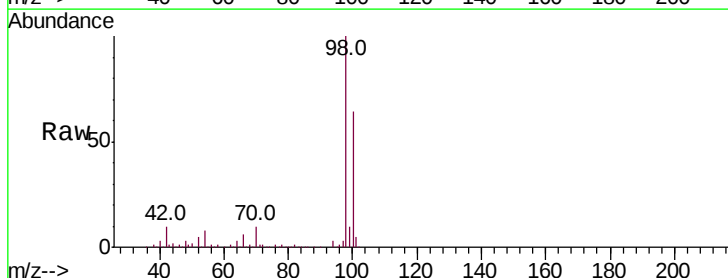
Acq: 28 May 2019 12:51

Tgt Ion: 98 Resp: 641774

Ion Ratio Lower Upper

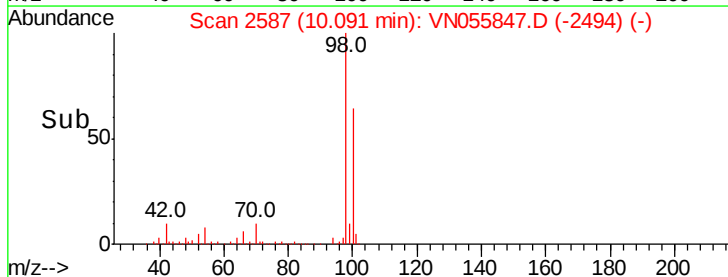
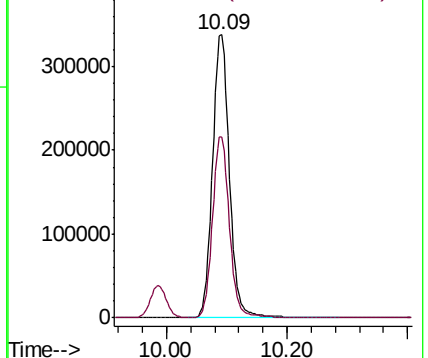
98 100

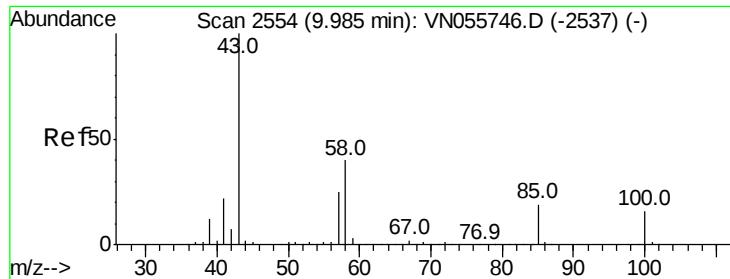
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055847.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055847.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.901 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

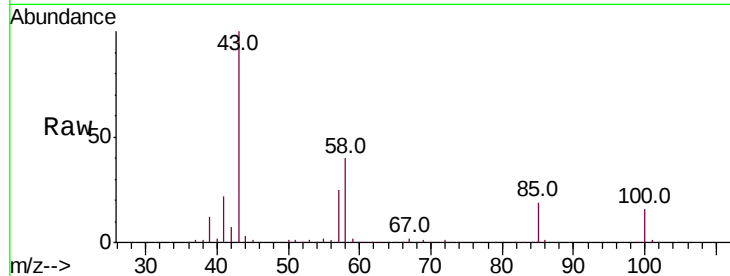
VN0528WBS01

Tot Ion: 43 Resp: 443302

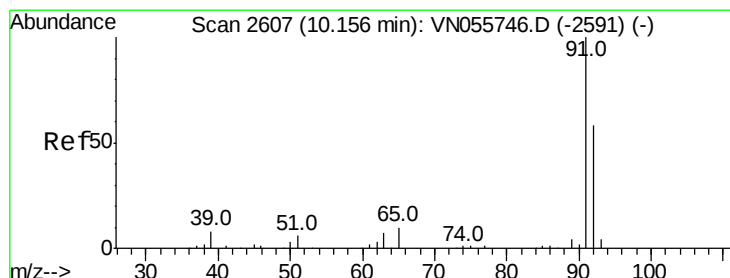
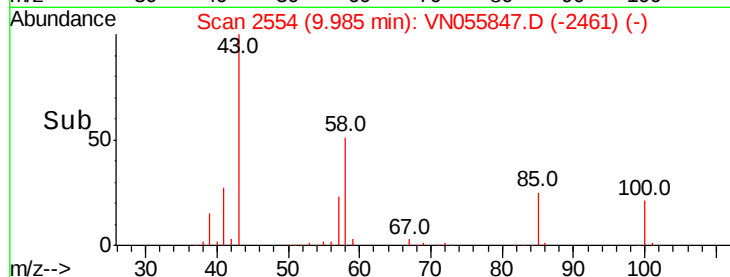
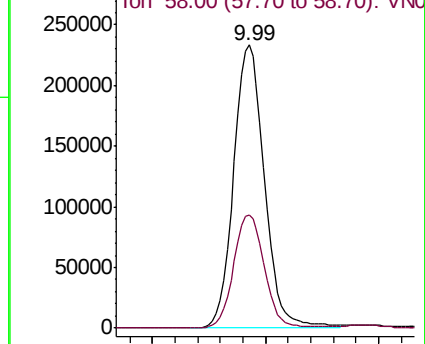
Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0



#52

Toluene

Concen: 20.281 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055847.D

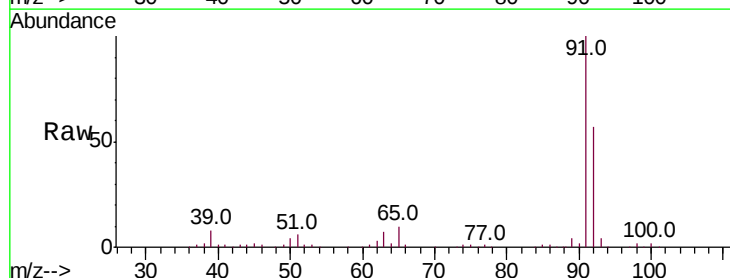
Acq: 28 May 2019 12:51

Tgt Ion: 92 Resp: 174372

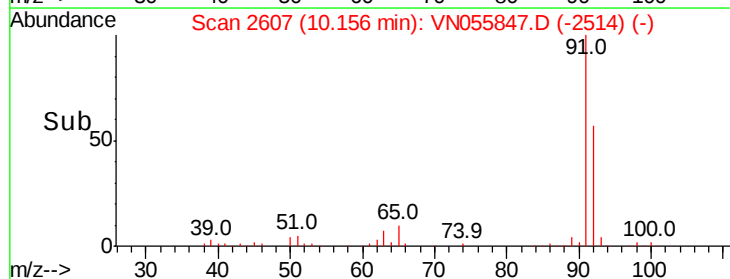
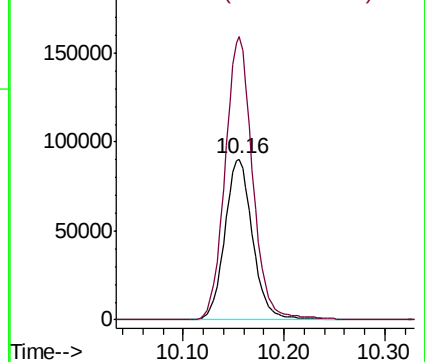
Ion Ratio Lower Upper

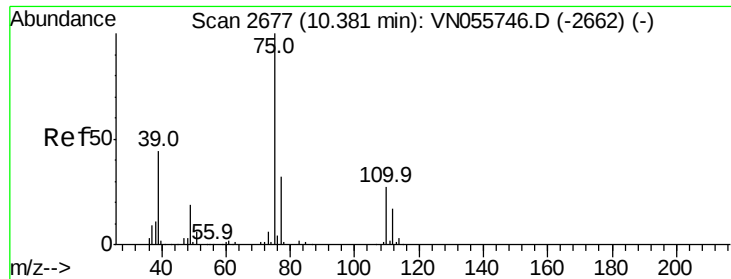
92 100

91 174.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.601 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

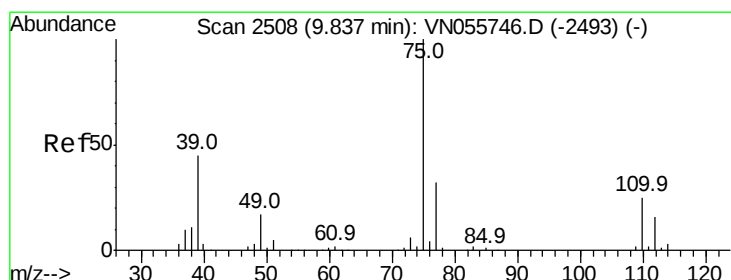
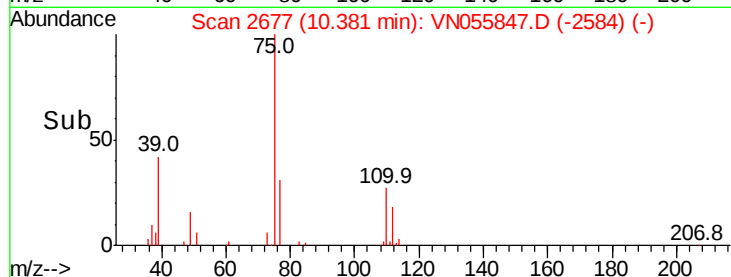
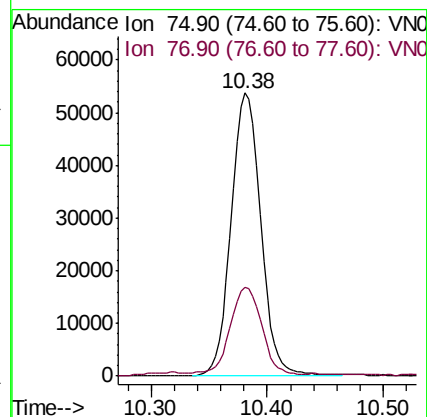
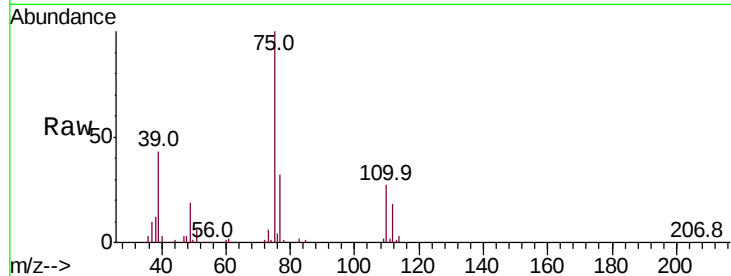
VN0528WBS01

Tot Ion: 75 Resp: 95103

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.009 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

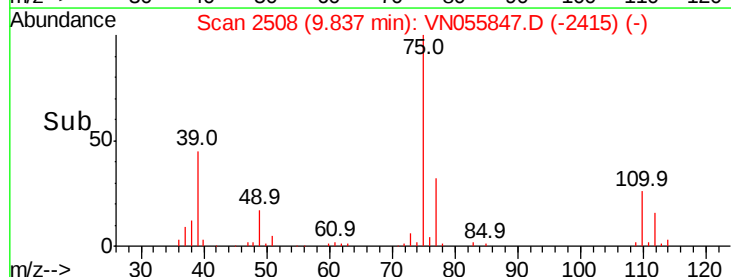
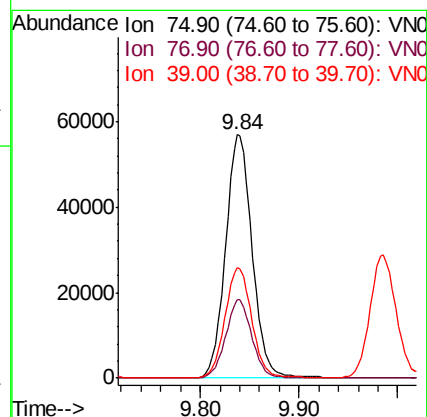
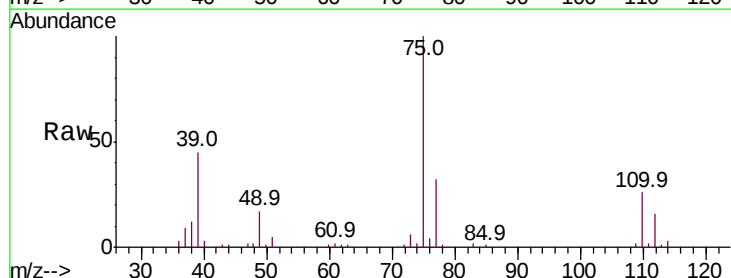
Tgt Ion: 75 Resp: 107664

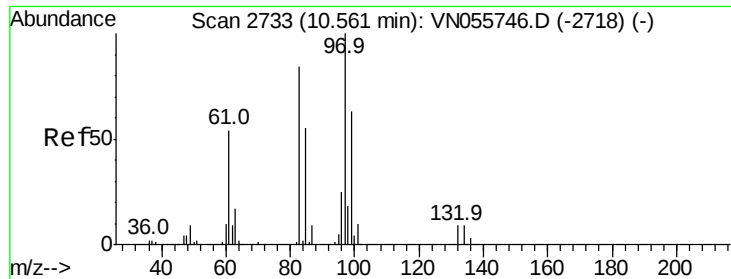
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 45.4 36.3 54.5

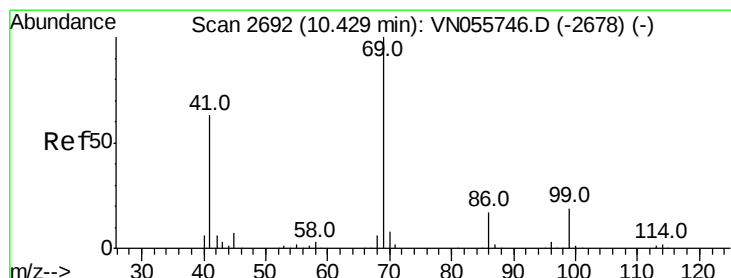
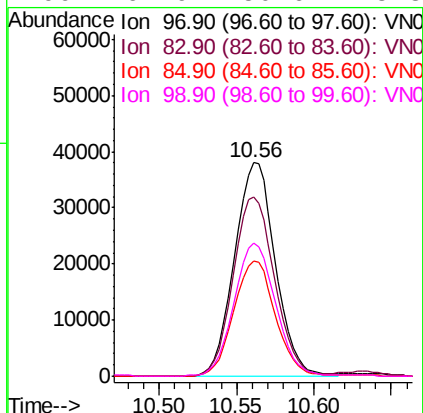
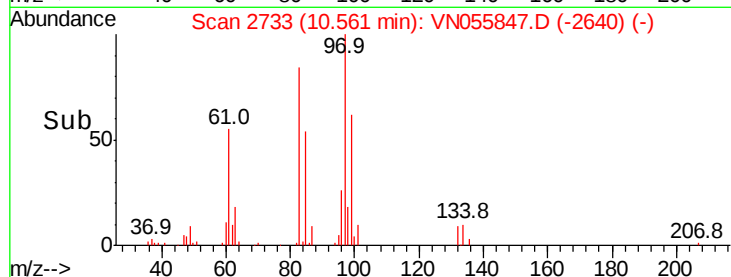
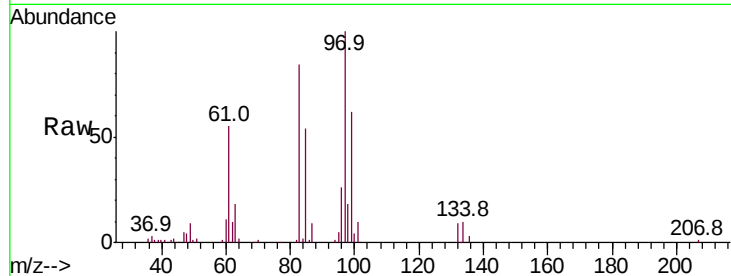




#55
 1,1,2-Trichloroethane
 Concen: 20.330 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

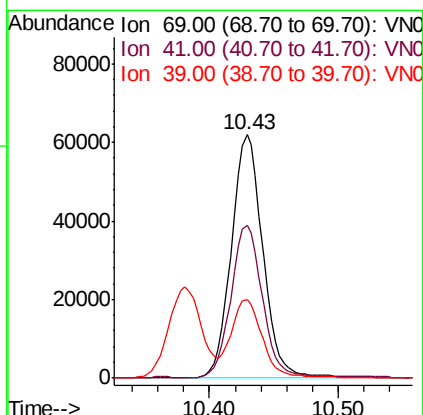
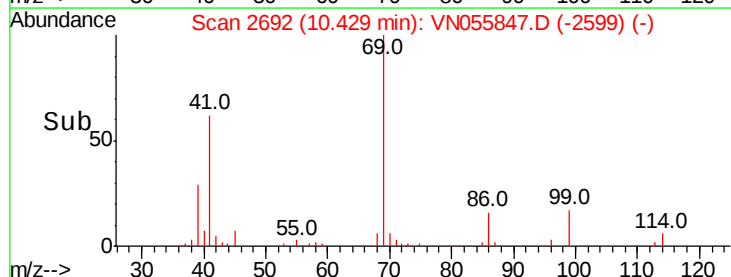
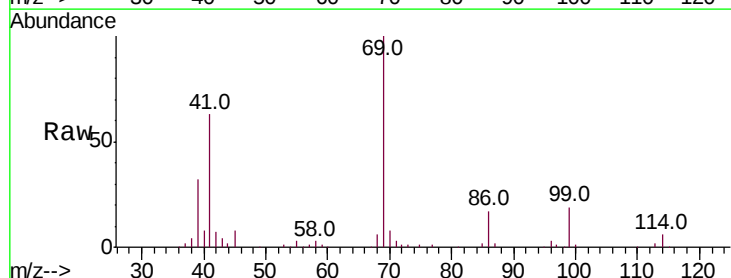
Instrument :
 MSVOA_N
 ClientSampled :
 VN0528WBS01

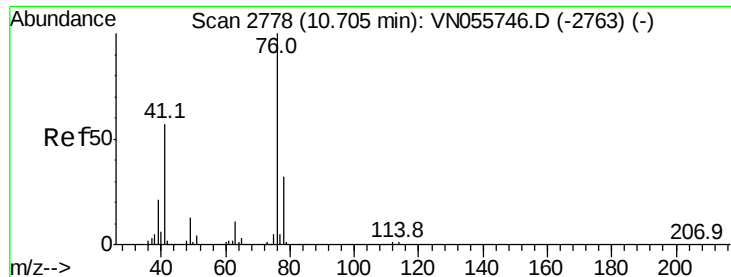
Tot Ion:	97	Resp:	70026
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	54.2	44.0	66.0
99	61.9	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.739 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion:	69	Resp:	105077
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.7	74.5
39	31.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.220 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

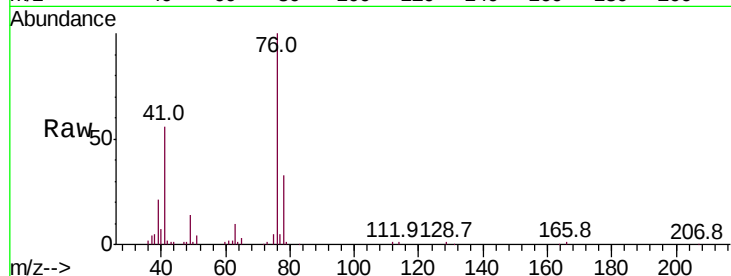
VN0528WBS01

Tot Ion: 76 Resp: 113204

Ion Ratio Lower Upper

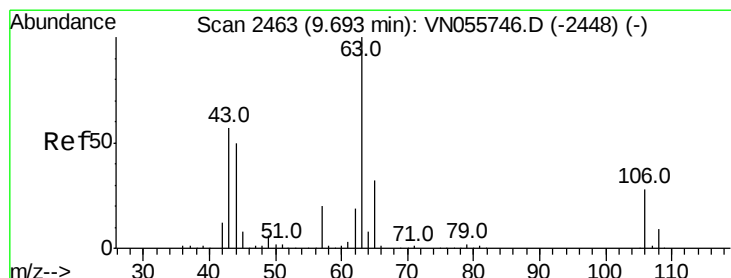
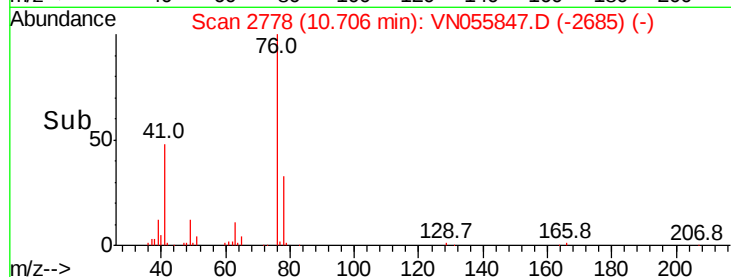
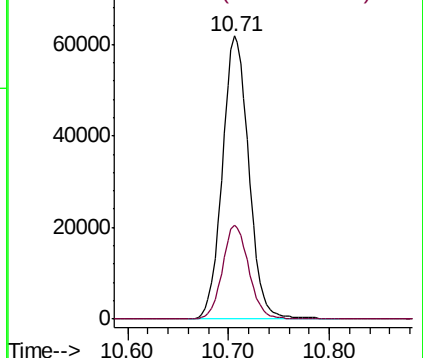
76 100

78 33.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.626 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055847.D

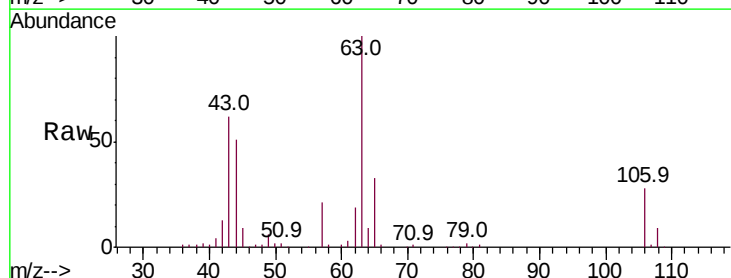
Acq: 28 May 2019 12:51

Tgt Ion: 63 Resp: 186395

Ion Ratio Lower Upper

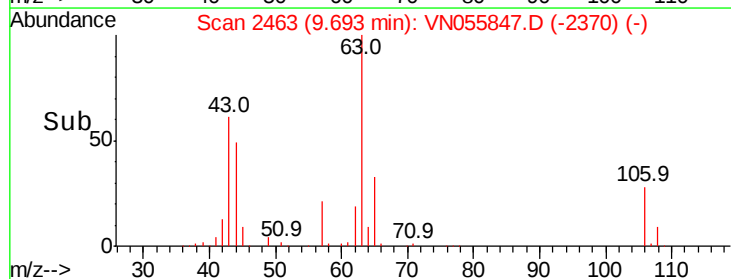
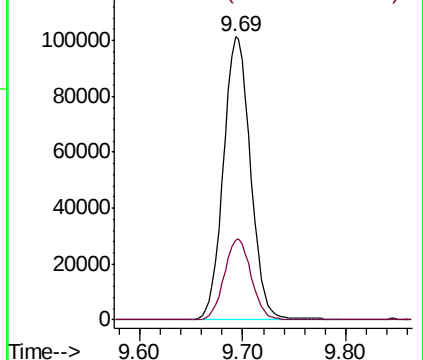
63 100

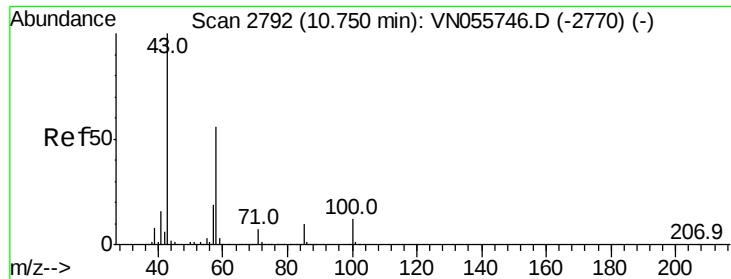
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 97.397 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

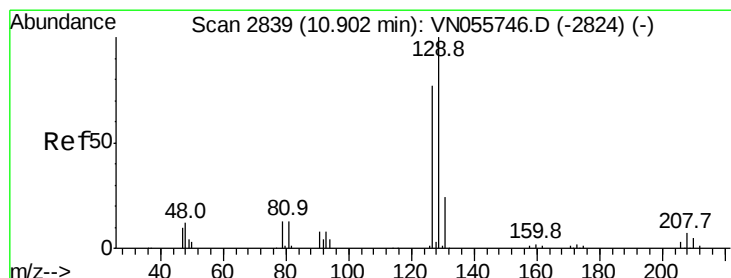
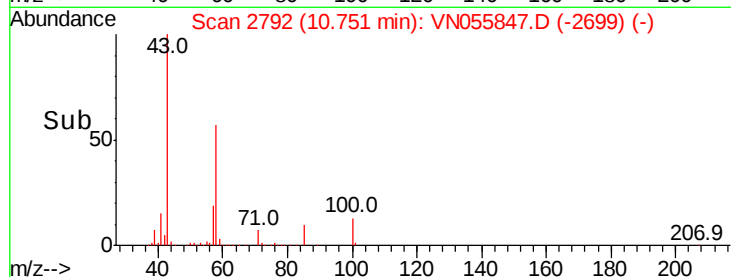
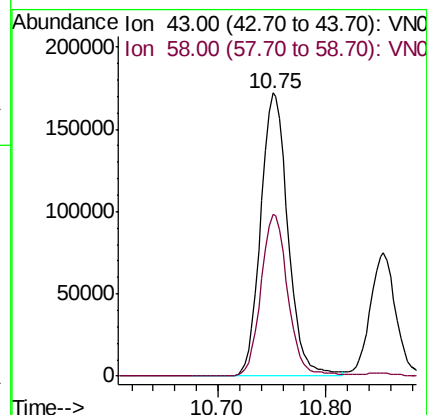
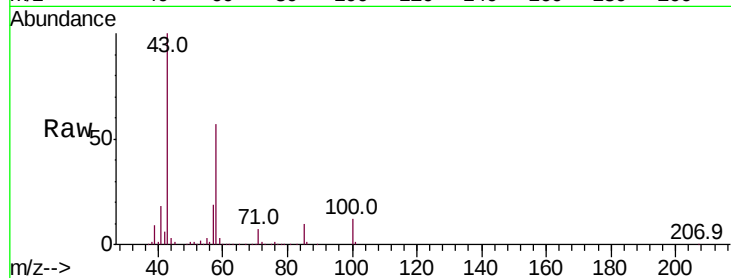
VN0528WBS01

Tot Ion: 43 Resp: 300583

Ion Ratio Lower Upper

43 100

58 56.6 28.2 84.7



#60

Dibromochloromethane

Concen: 19.285 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055847.D

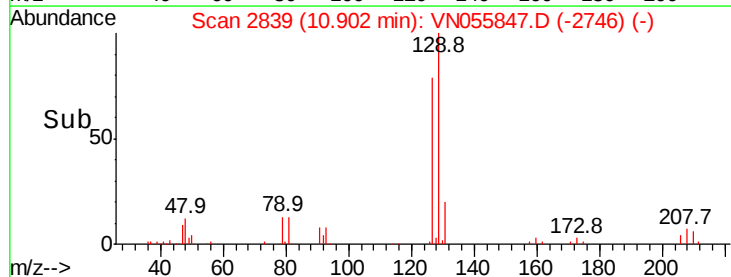
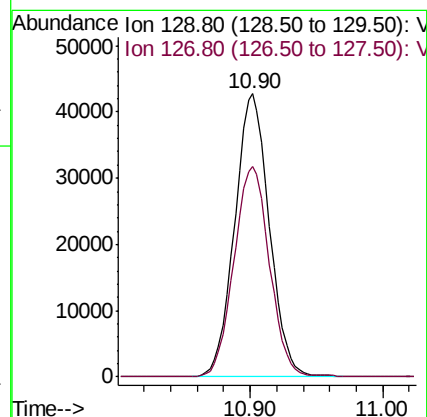
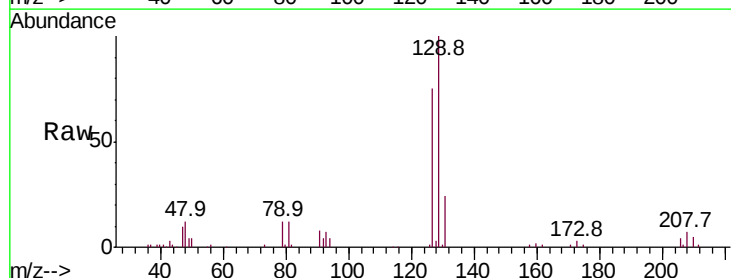
Acq: 28 May 2019 12:51

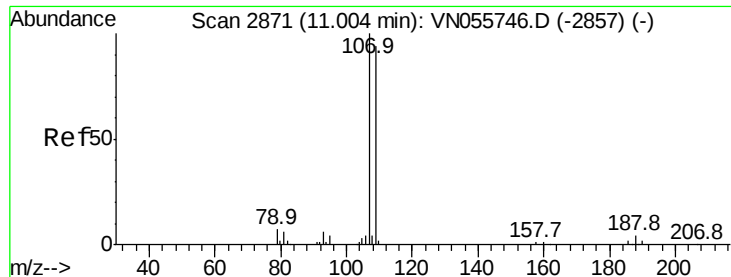
Tgt Ion: 129 Resp: 77382

Ion Ratio Lower Upper

129 100

127 76.0 38.1 114.3

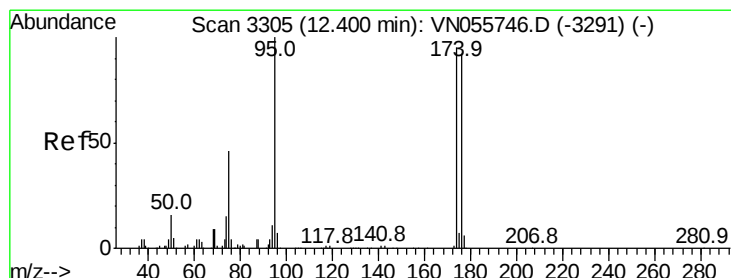
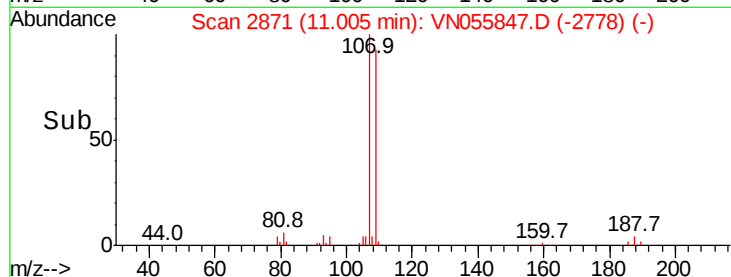
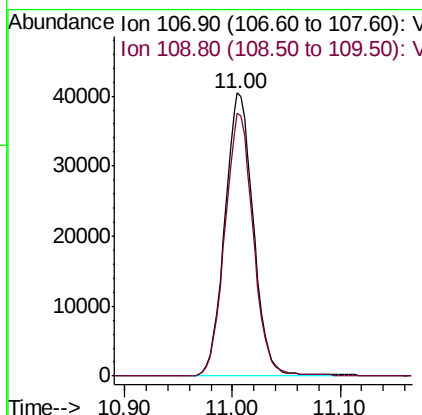
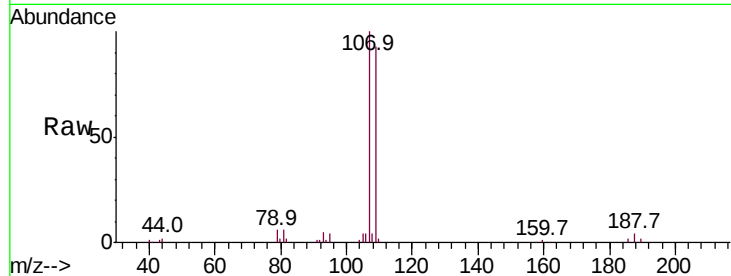




#61
 1,2-Dibromoethane
 Concen: 20.852 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

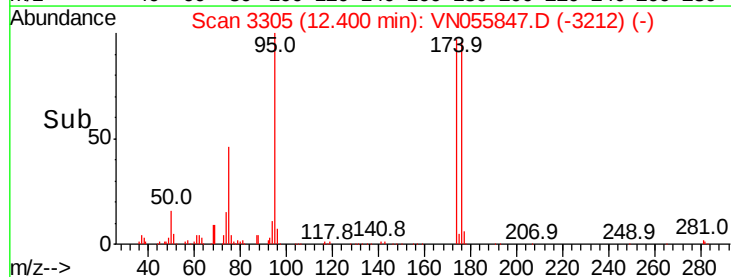
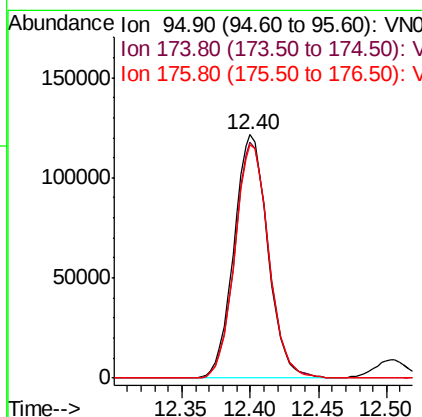
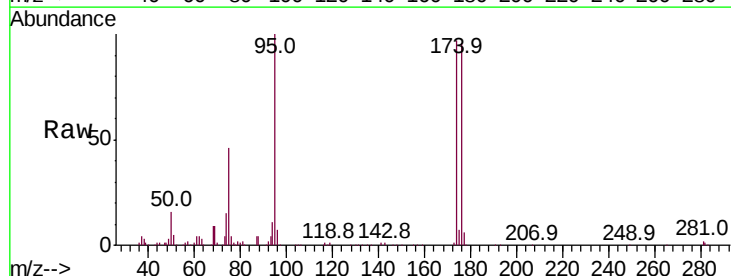
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

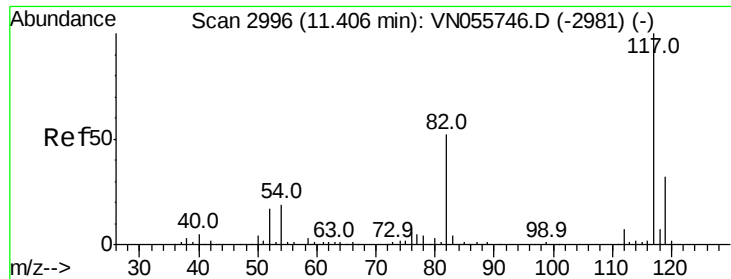
Tot Ion:107 Resp: 74497
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.391 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion: 95 Resp: 209452
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 191.0
 176 95.7 0.0 185.2

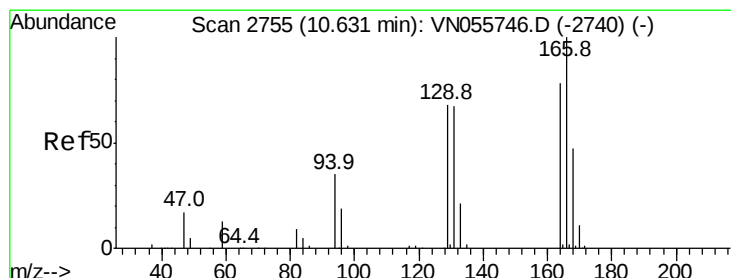
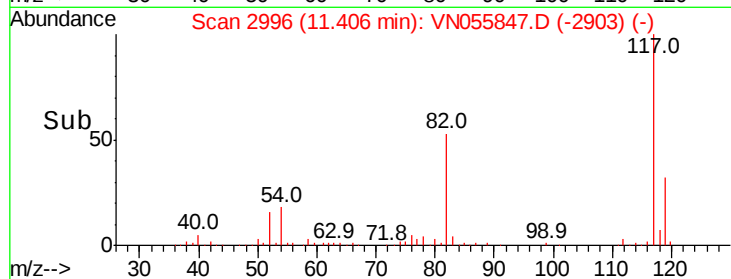
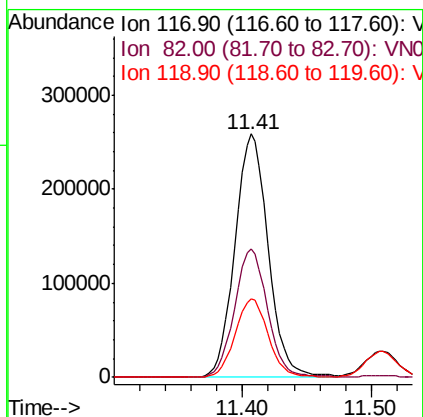
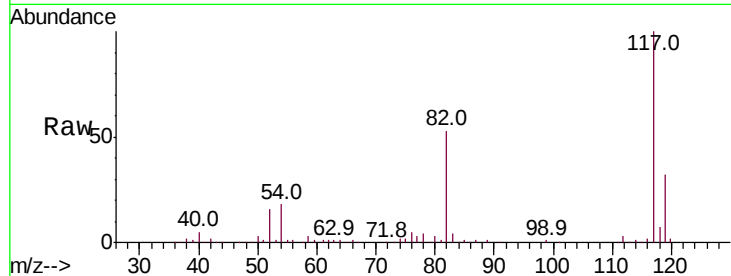




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

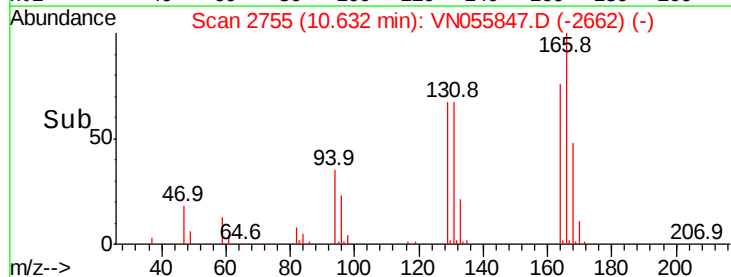
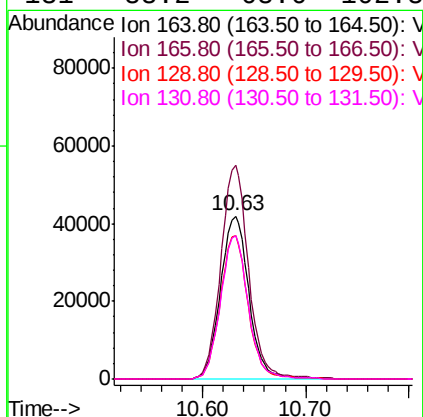
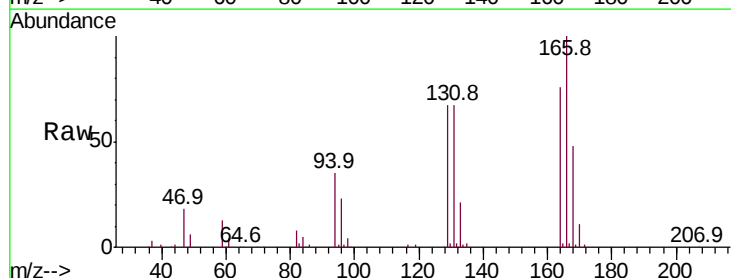
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

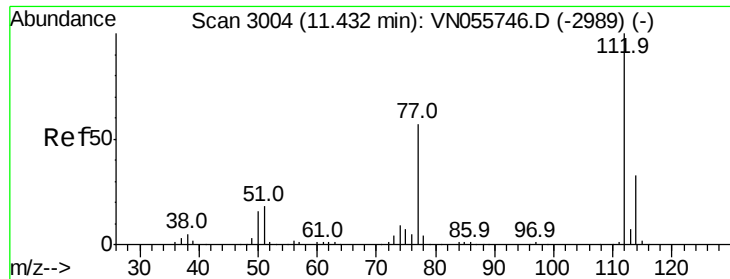
Tot Ion:117 Resp: 464002
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 20.652 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:164 Resp: 80821
Ion Ratio Lower Upper
164 100
166 131.3 103.0 154.6
129 88.2 70.6 105.8
131 88.2 68.6 102.8

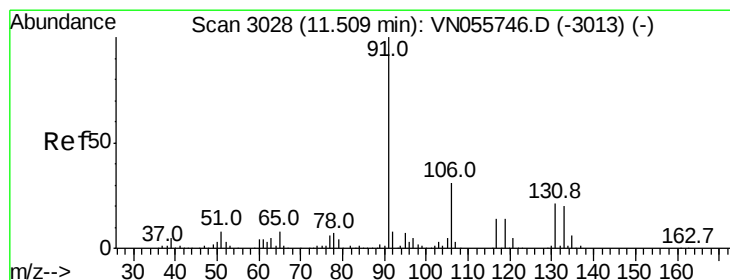
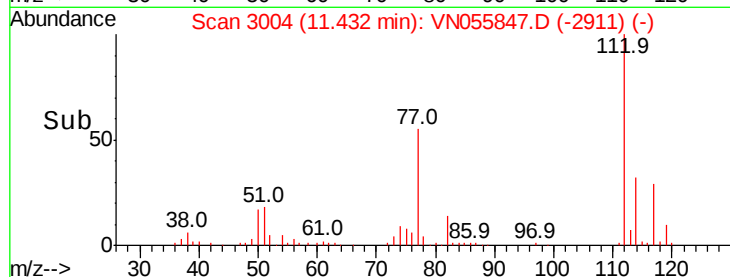
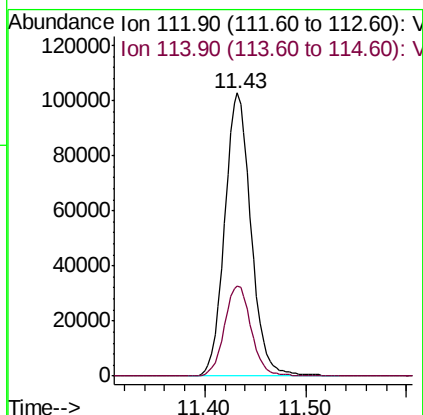
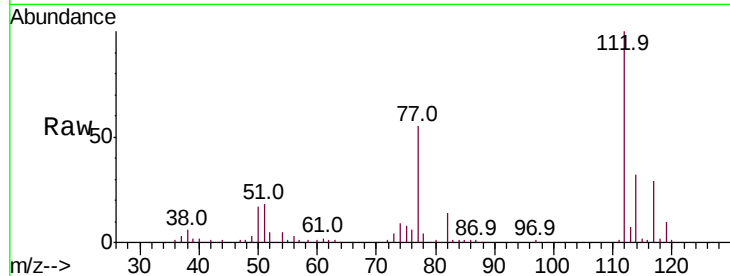




#65
Chlorobenzene
Concen: 20.171 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

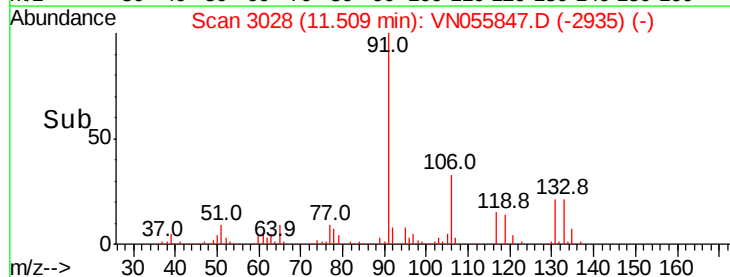
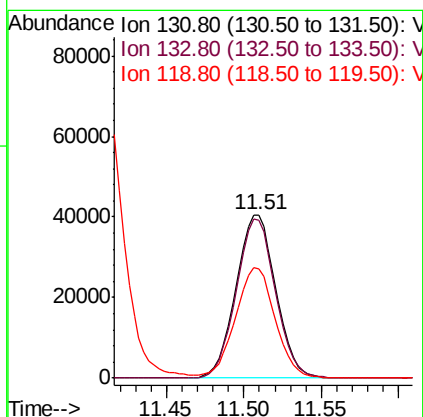
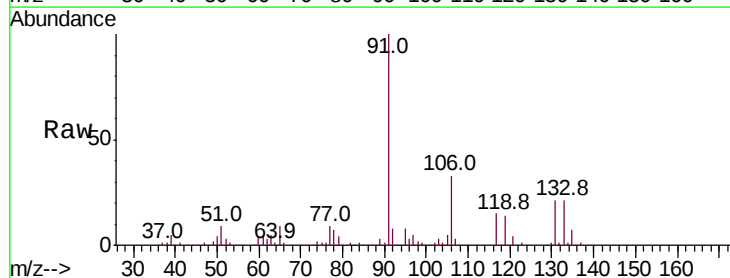
Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

Tot Ion:112 Resp: 187366
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:131 Resp: 72387
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 67.8 33.1 99.5

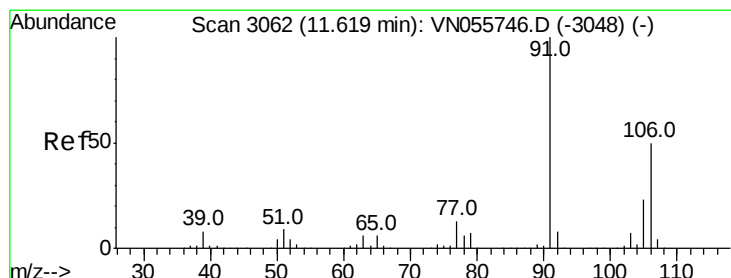
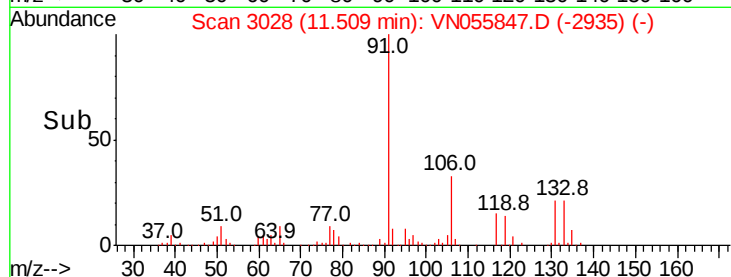
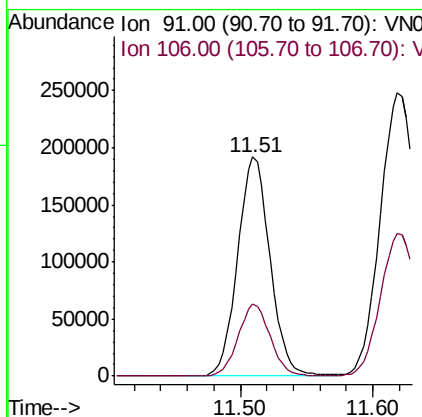
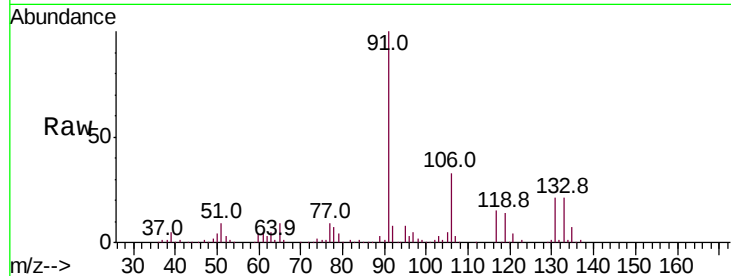




#67
Ethyl Benzene
Concen: 19.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

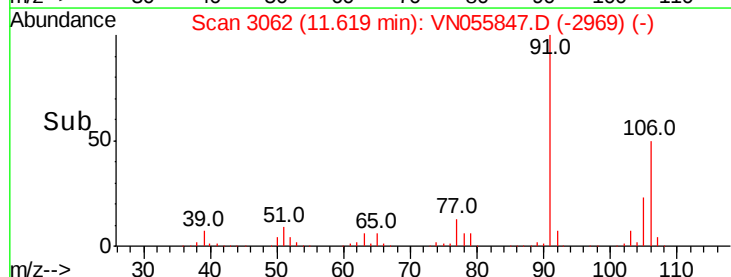
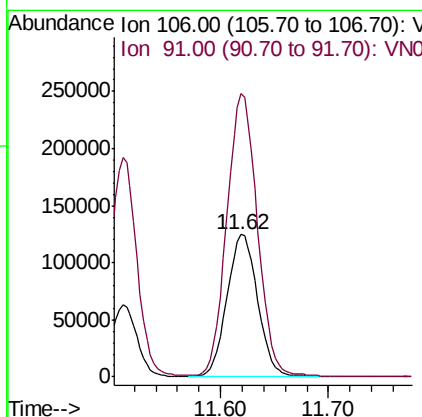
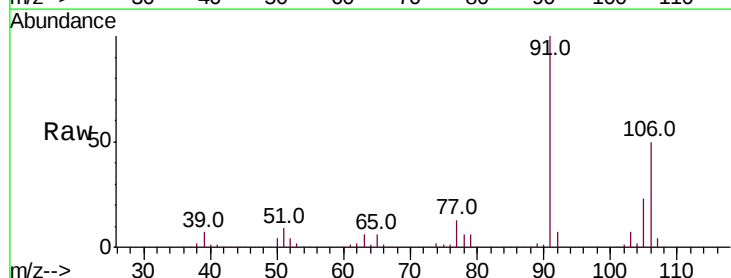
Instrument :
MSVOA_N
ClientSampled :
VN0528WBS01

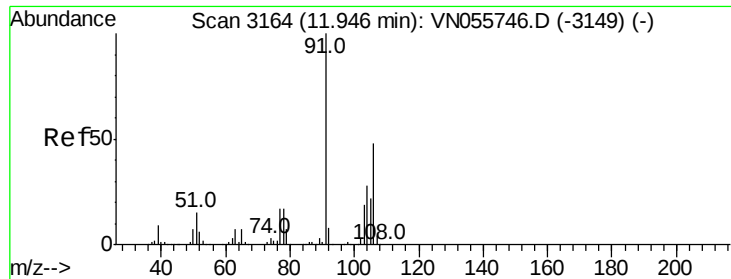
Tot Ion: 91 Resp: 326409
Ion Ratio Lower Upper
91 100
106 32.7 25.1 37.7



#68
m/p-Xylenes
Concen: 39.439 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 106 Resp: 248361
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9

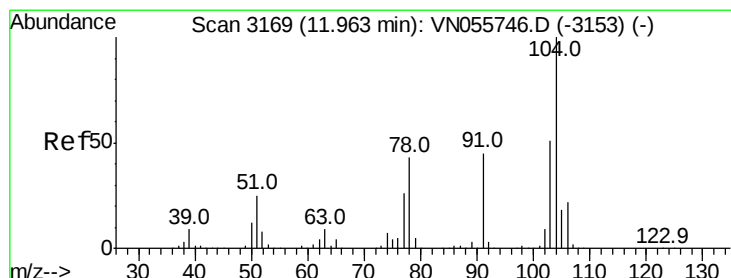
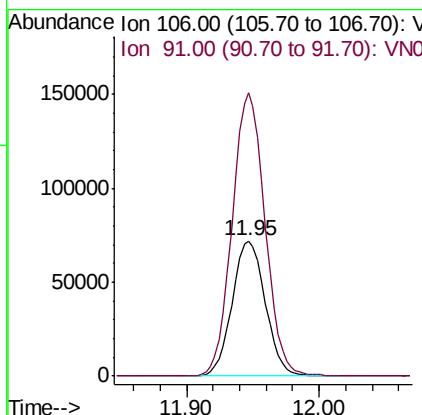
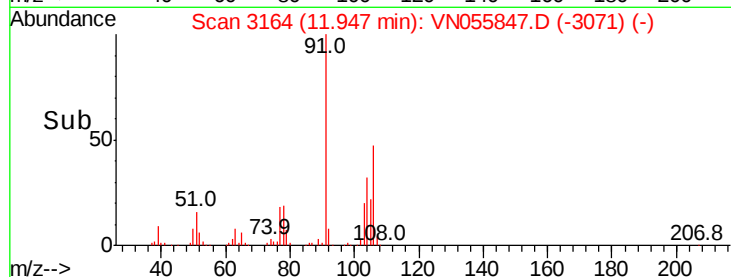
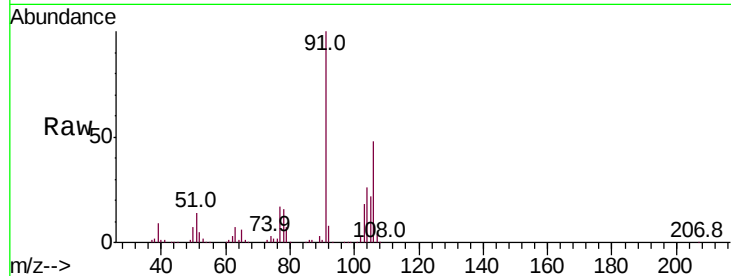




#69
o-Xylene
Concen: 20.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

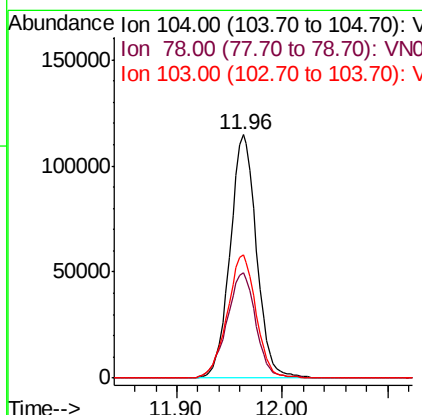
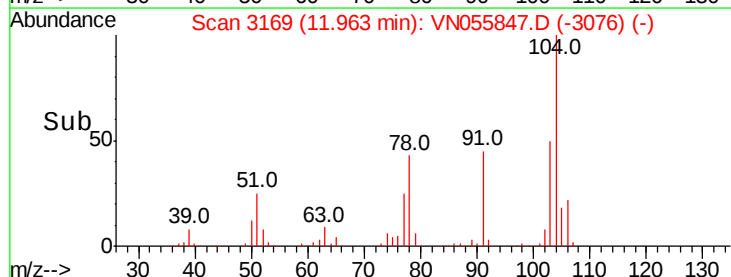
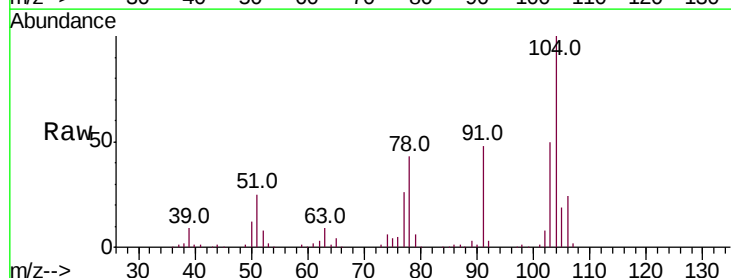
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

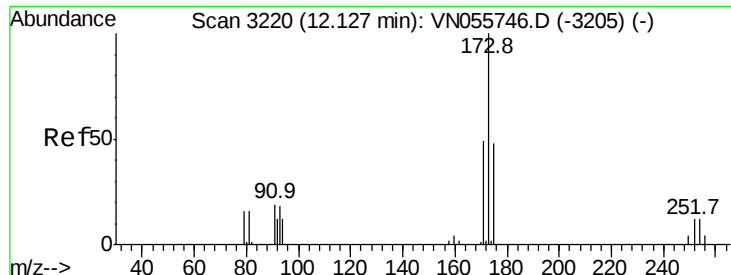
Tot Ion:106 Resp: 125241
Ion Ratio Lower Upper
106 100
91 207.3 104.7 314.1



#70
Styrene
Concen: 19.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:104 Resp: 198798
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.2 44.2 66.2

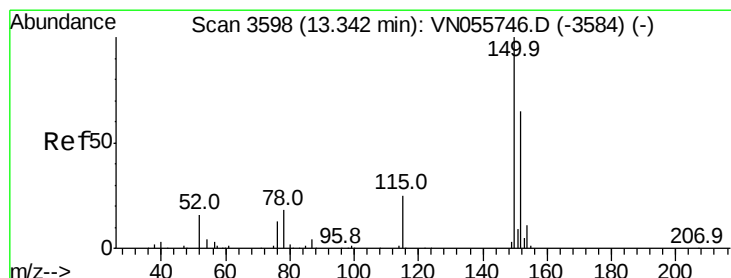
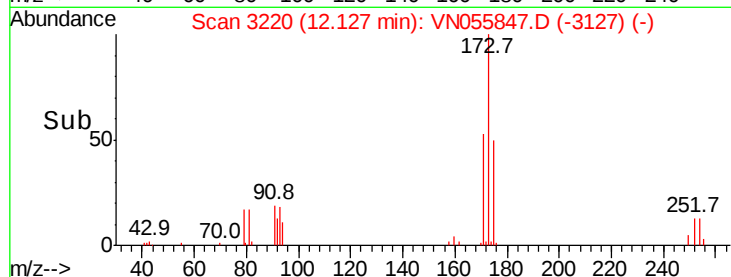
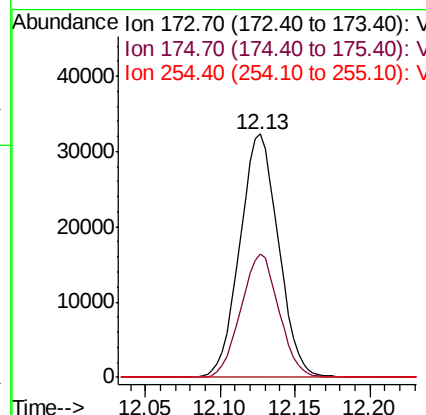
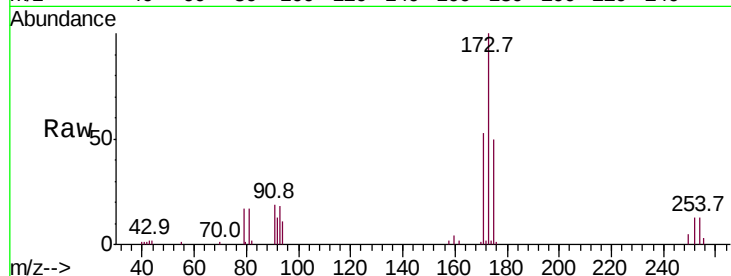




#71
Bromoform
Concen: 18.368 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

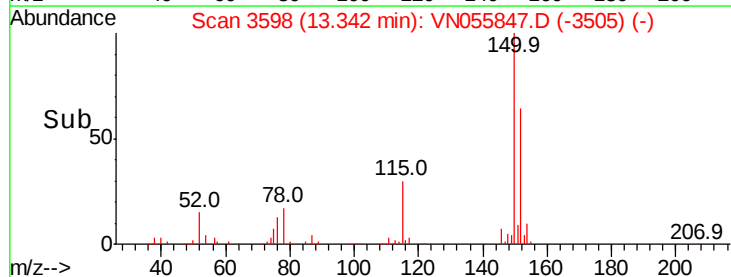
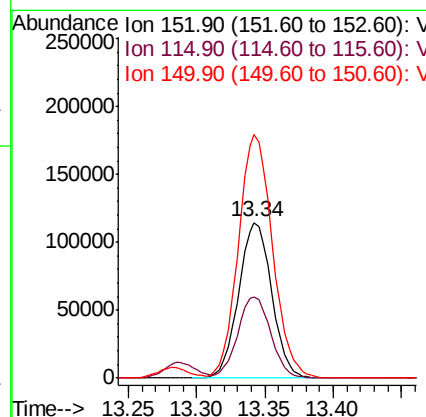
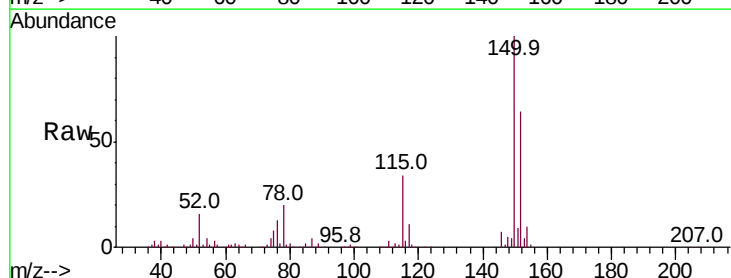
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

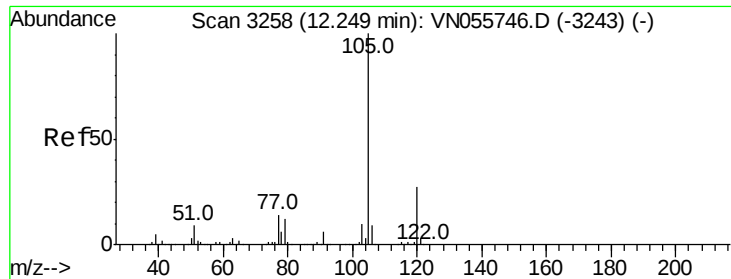
Tot Ion:173 Resp: 58043
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion:152 Resp: 192655
Ion Ratio Lower Upper
152 100
115 52.5 27.0 81.0
150 162.0 0.0 343.2





#73

Isopropylbenzene

Concen: 22.369 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

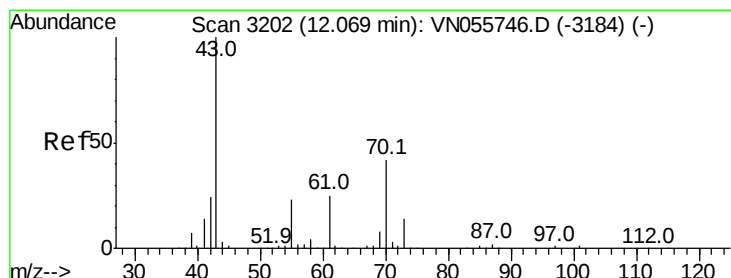
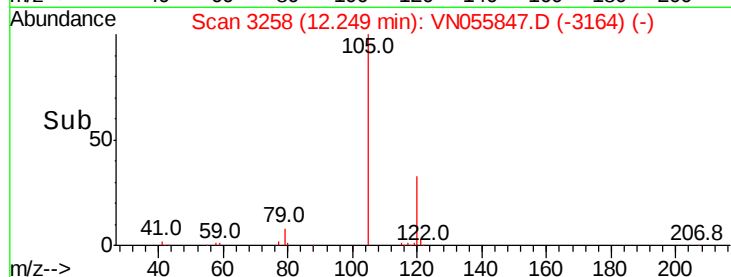
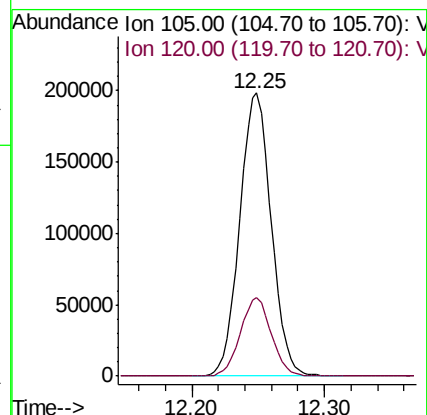
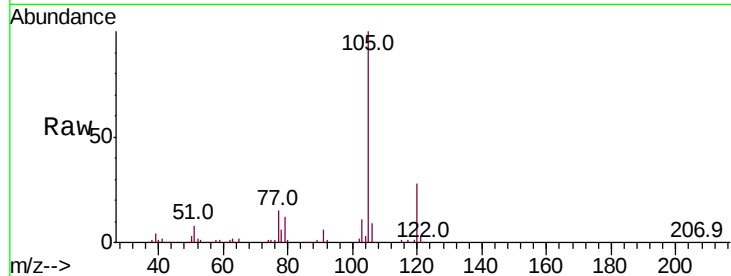
VN0528WBS01

Tot Ion:105 Resp: 326748

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 20.005 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Tgt Ion: 43 Resp: 111494

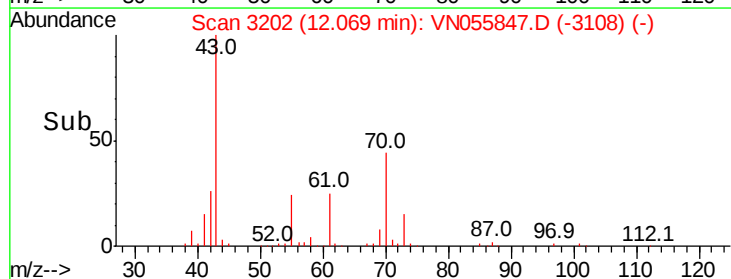
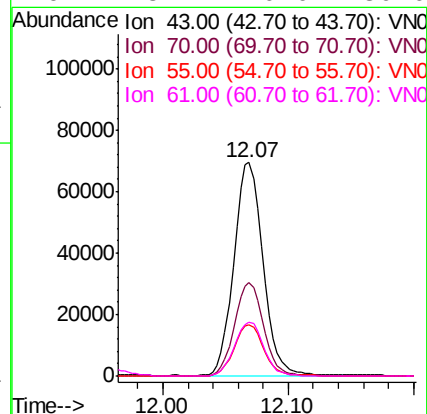
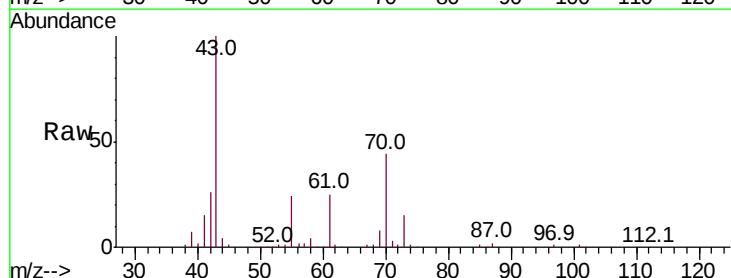
Ion Ratio Lower Upper

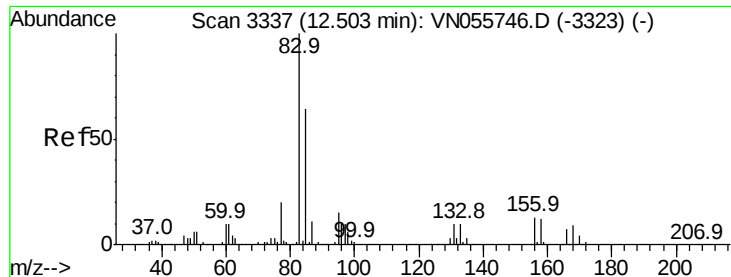
43 100

70 43.8 34.0 51.0

55 24.7 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.045 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

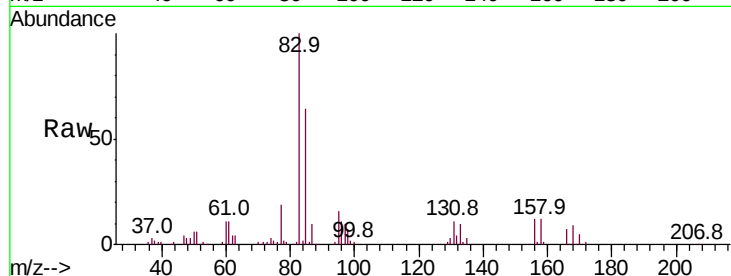
Tot Ion: 83 Resp: 96991

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

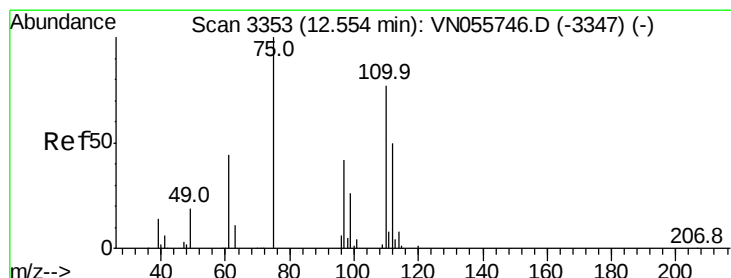
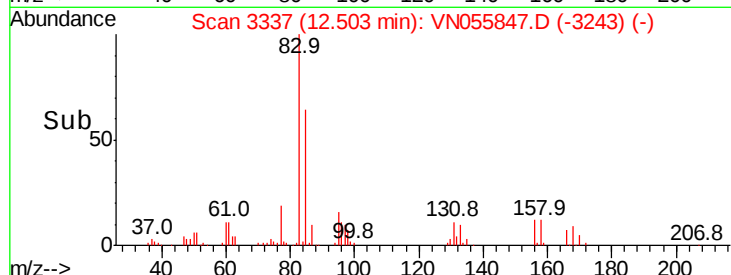
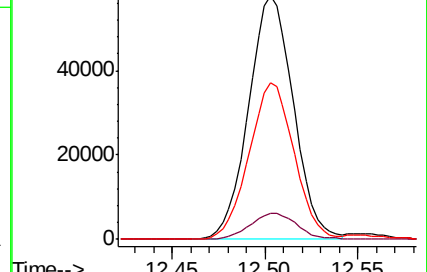
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 33.686 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055847.D

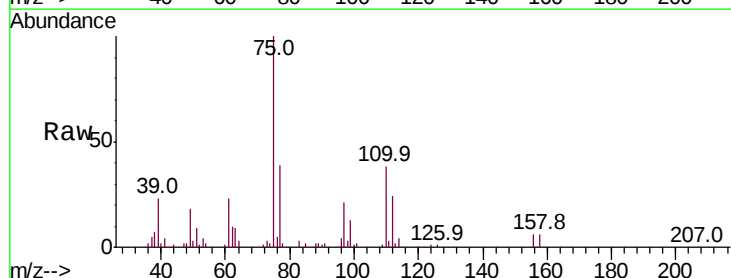
Acq: 28 May 2019 12:51

Tgt Ion: 75 Resp: 115155

Ion Ratio Lower Upper

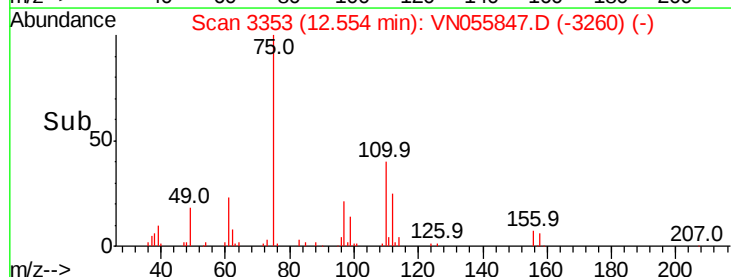
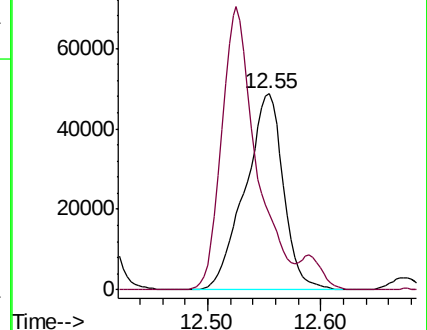
75 100

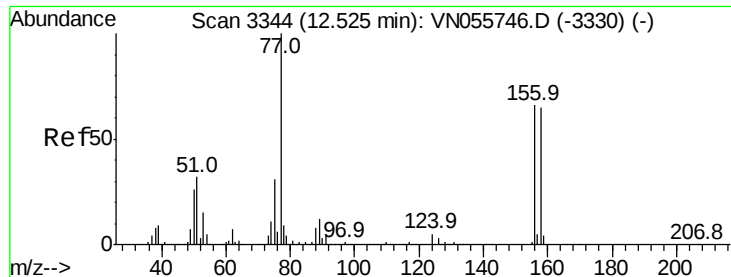
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)

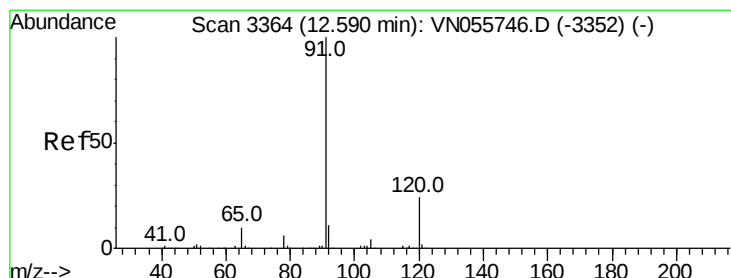
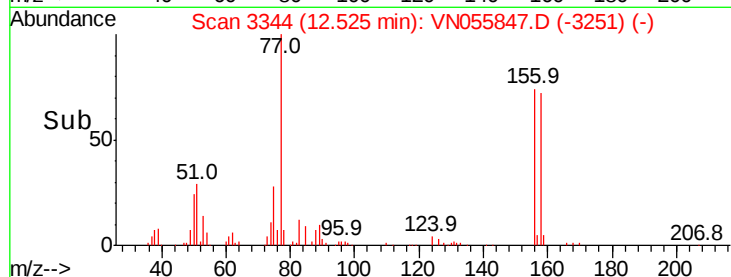
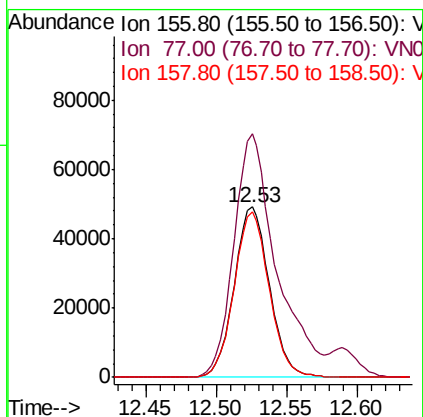
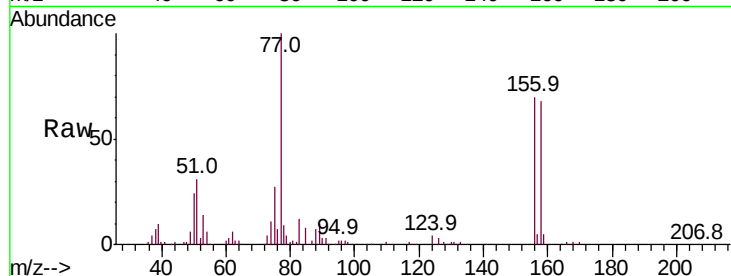




#77
Bromobenzene
Concen: 20.938 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

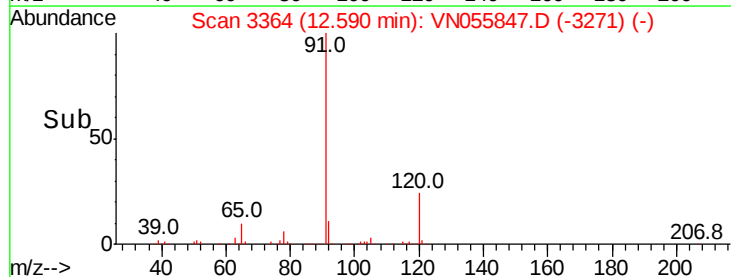
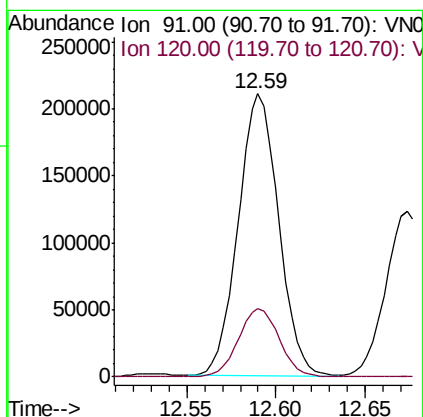
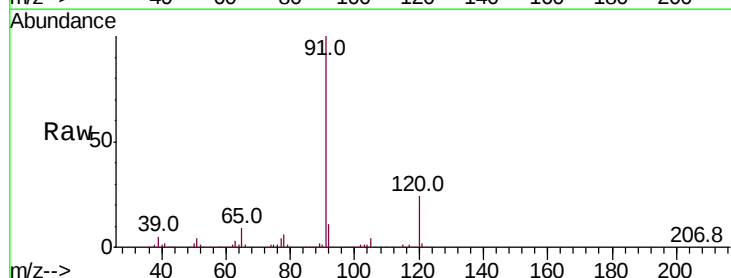
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

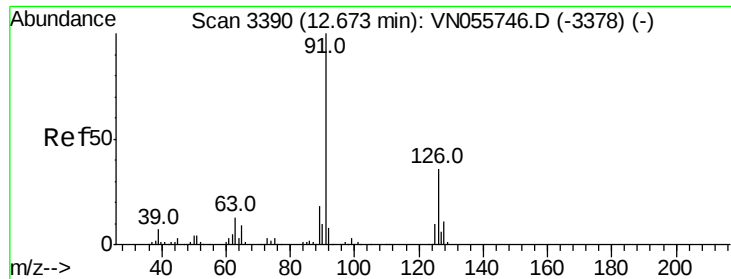
Tot Ion:156 Resp: 86078
Ion Ratio Lower Upper
156 100
77 173.4 90.8 272.5
158 97.2 49.3 147.8



#78
n-propylbenzene
Concen: 19.795 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 91 Resp: 331448
Ion Ratio Lower Upper
91 100
120 24.6 12.0 36.0





#79

2-Chlorotoluene

Concen: 21.564 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

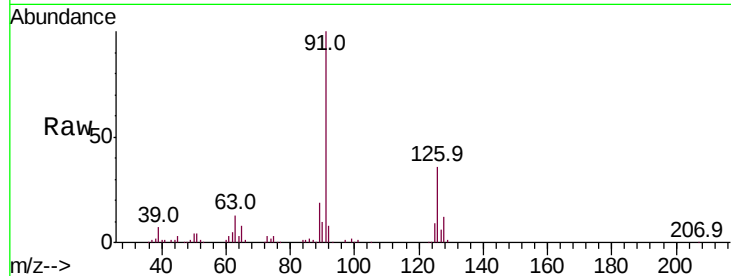
VN0528WBS01

Tot Ion: 91 Resp: 207569

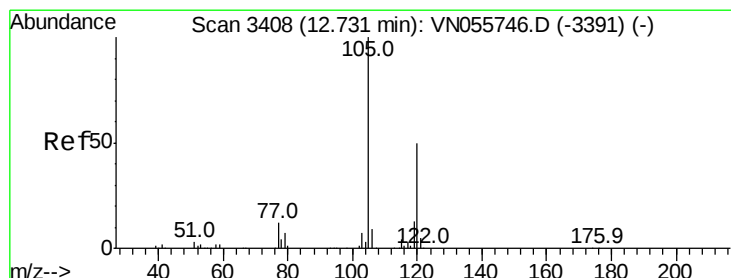
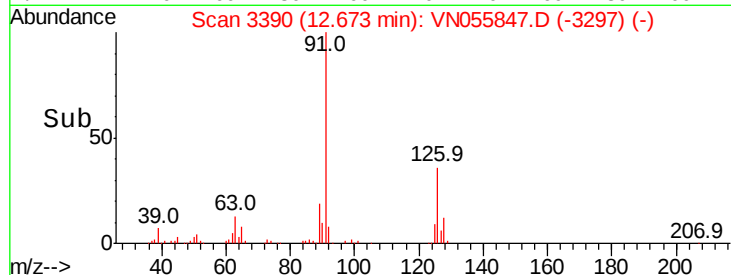
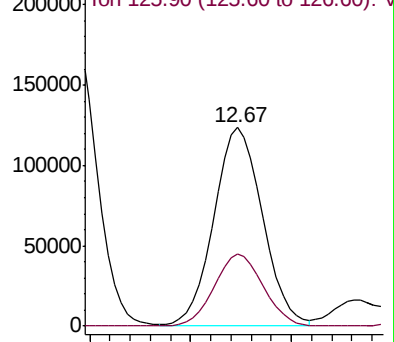
Ion Ratio Lower Upper

91 100

126 36.9 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.346 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055847.D

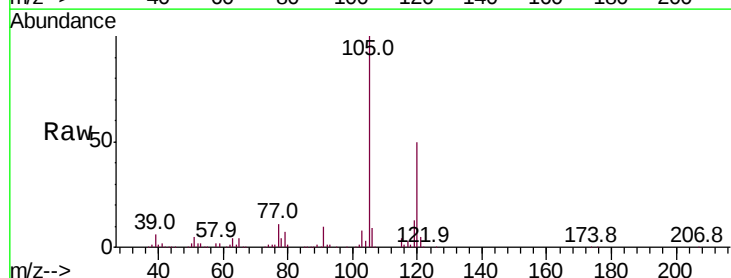
Acq: 28 May 2019 12:51

Tgt Ion:105 Resp: 263150

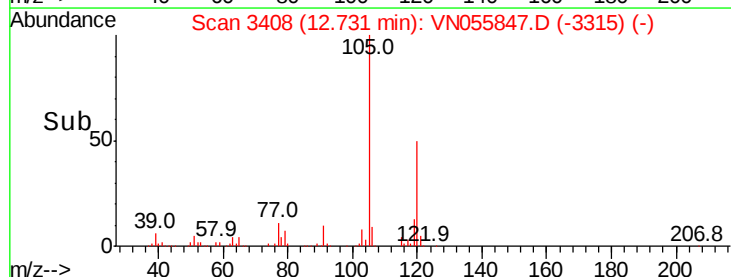
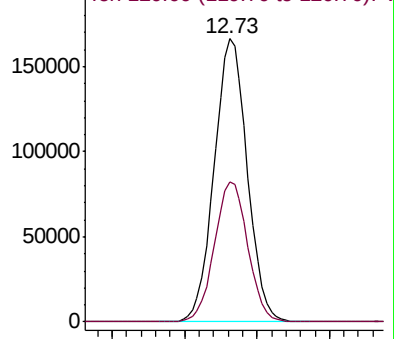
Ion Ratio Lower Upper

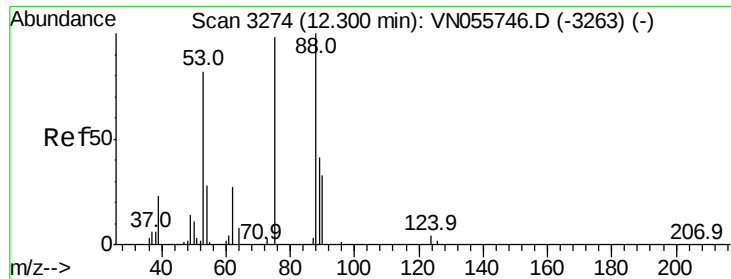
105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

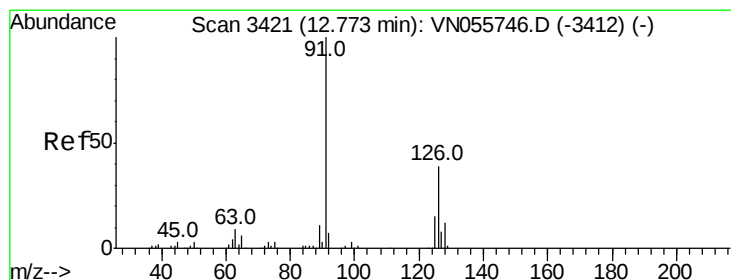
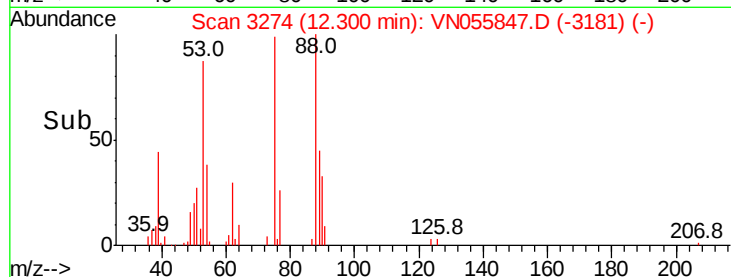
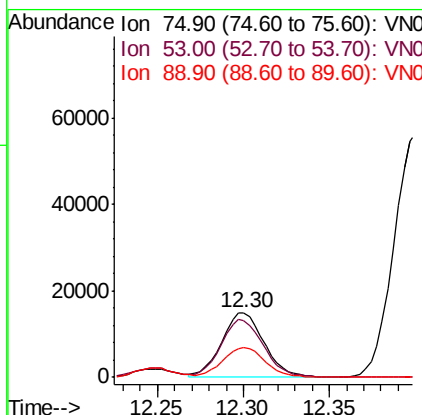
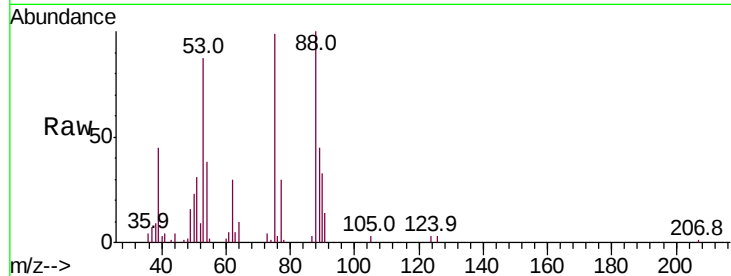




#81
trans-1,4-Dichloro-2-butene
Concen: 18.004 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

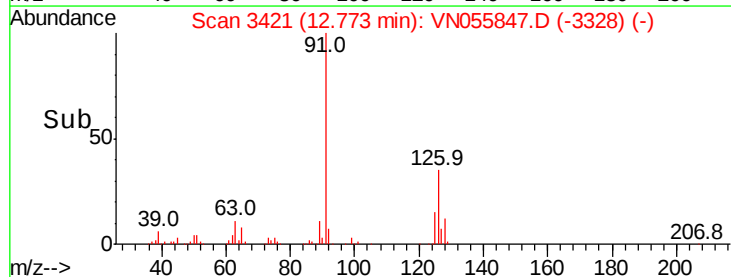
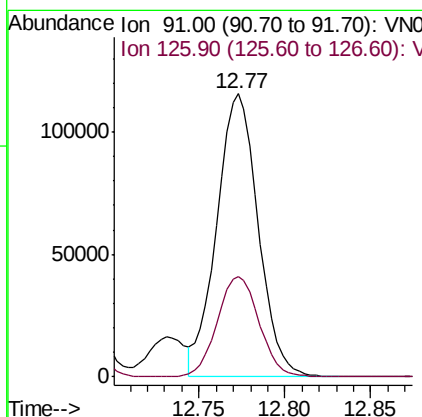
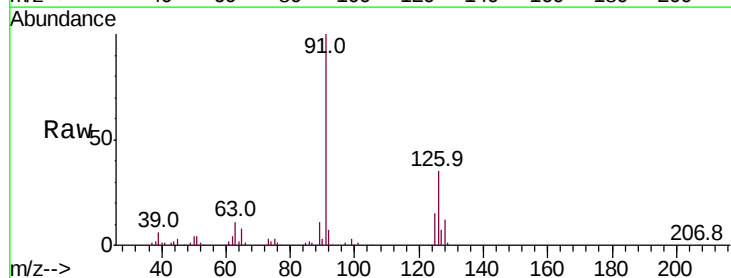
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

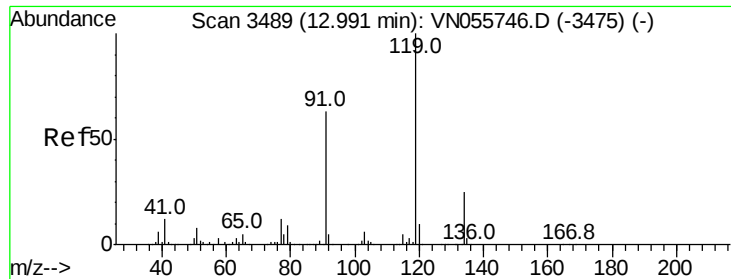
Tot Ion: 75 Resp: 25779
Ion Ratio Lower Upper
75 100
53 90.4 68.1 102.1
89 46.0 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.748 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 91 Resp: 194378
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.3





#83

tert-Butylbenzene

Concen: 22.201 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

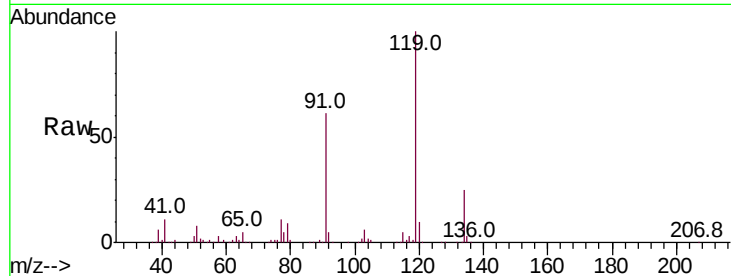
Tot Ion:119 Resp: 238148

Ion Ratio Lower Upper

119 100

91 61.0 30.9 92.8

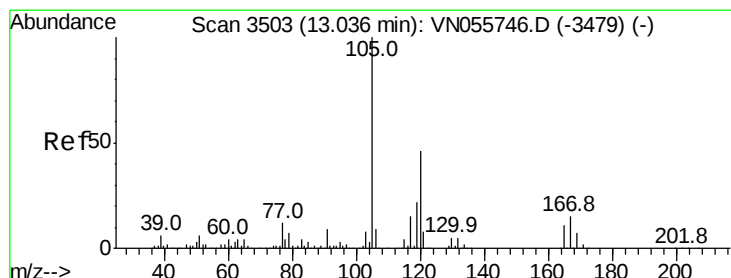
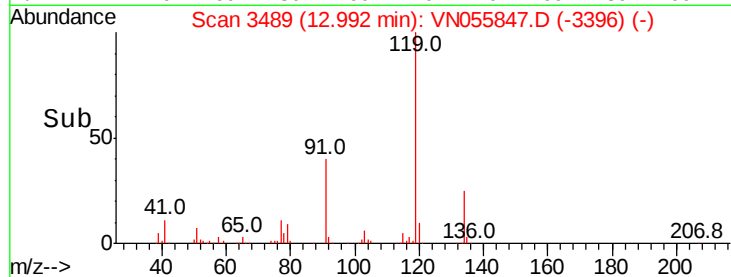
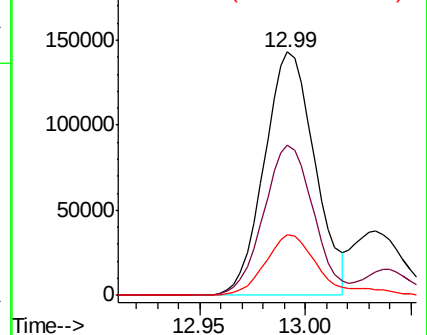
134 26.4 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.365 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055847.D

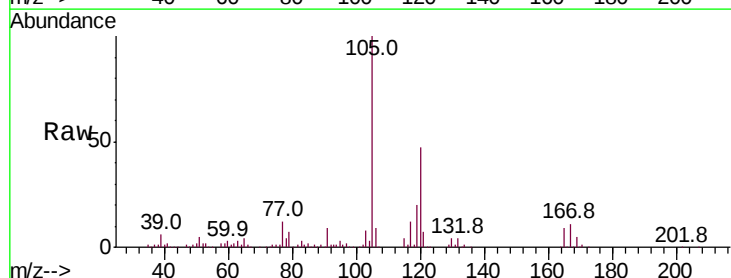
Acq: 28 May 2019 12:51

Tgt Ion:105 Resp: 261492

Ion Ratio Lower Upper

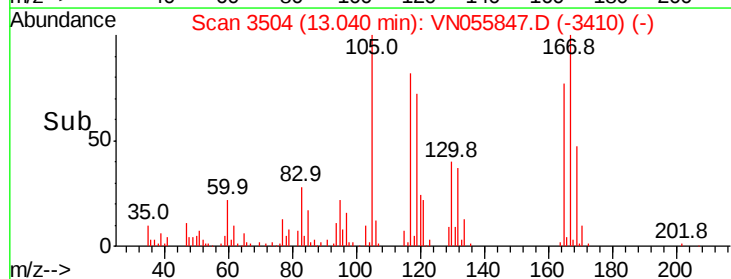
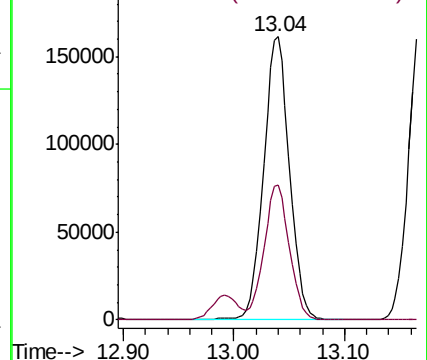
105 100

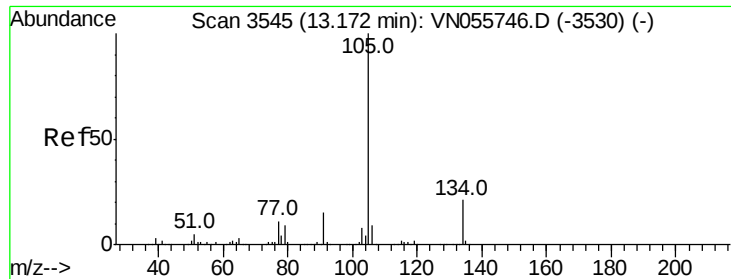
120 46.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.529 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

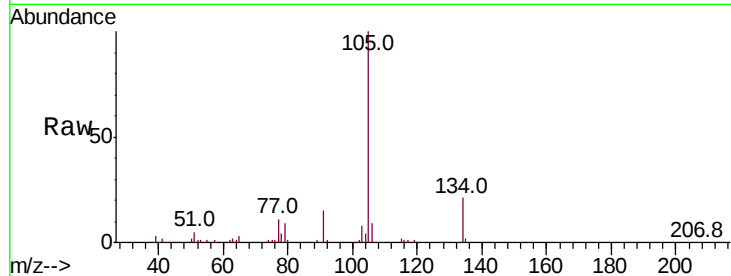
VN0528WBS01

Tot Ion:105 Resp: 296655

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

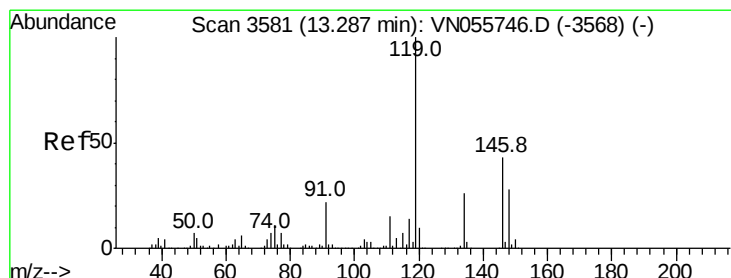
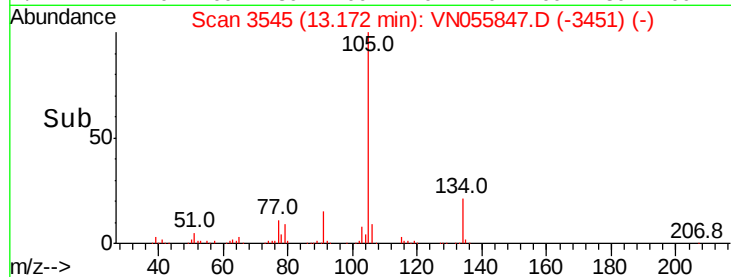
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.904 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

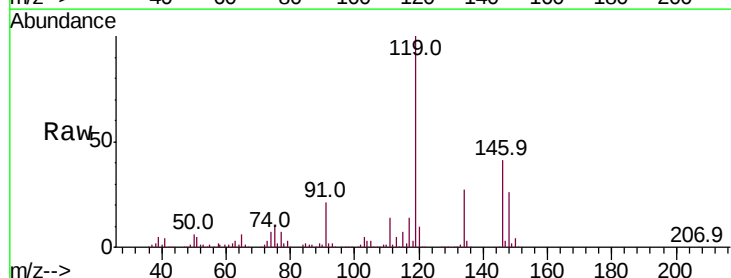
Tgt Ion:119 Resp: 266292

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.1 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

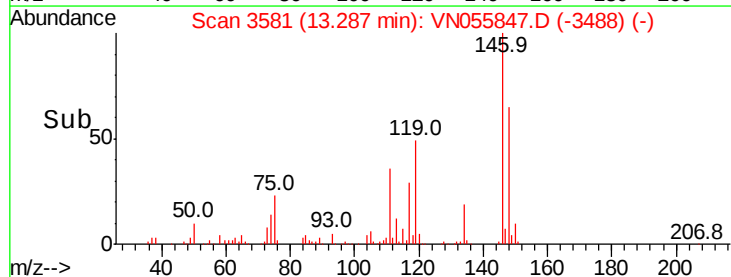
150000

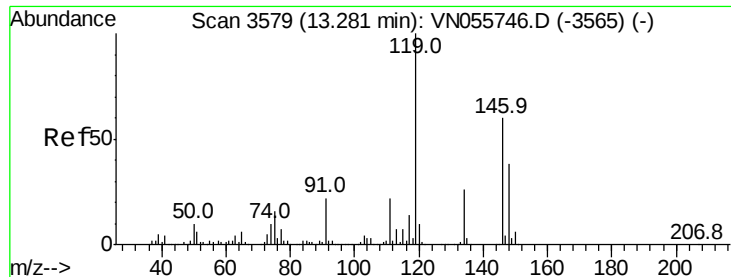
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

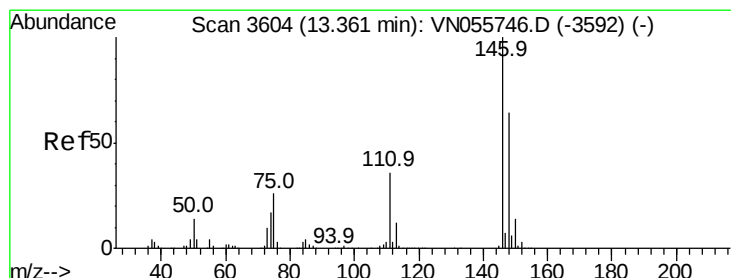
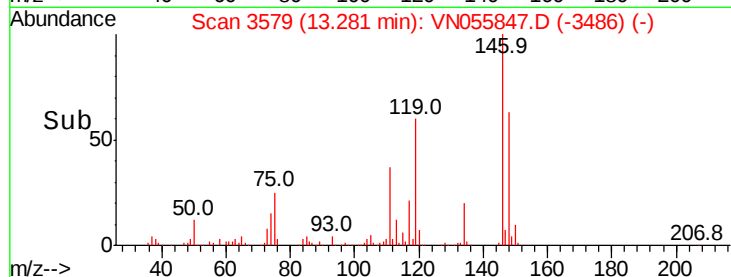
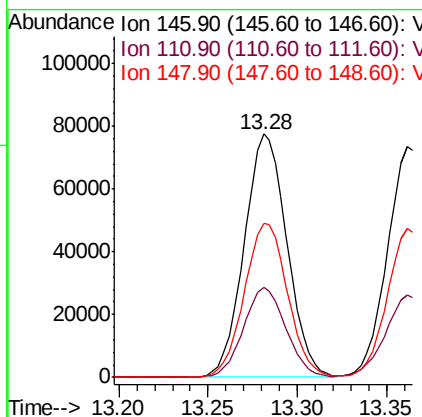
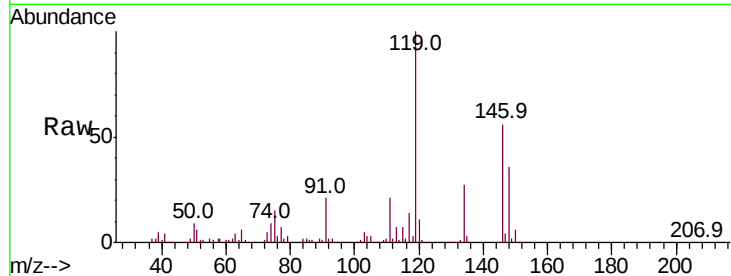




#87
 1,3-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

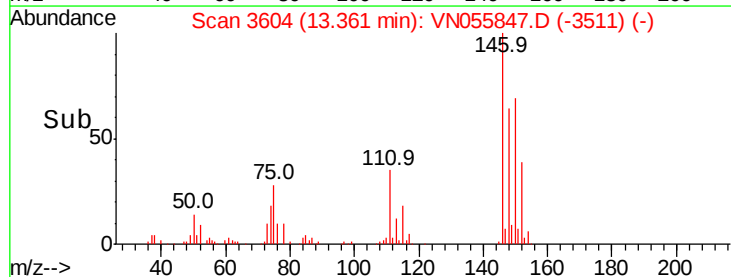
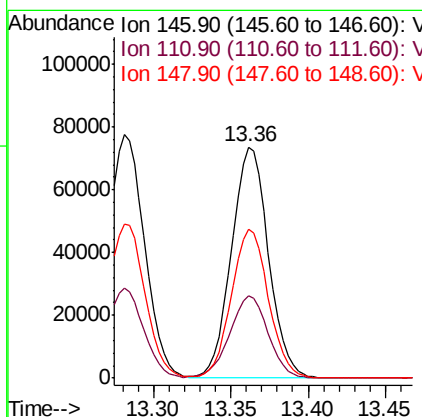
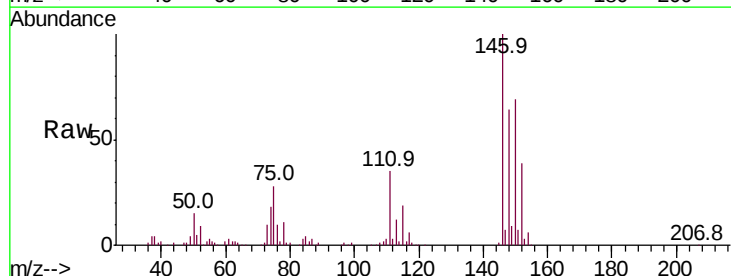
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

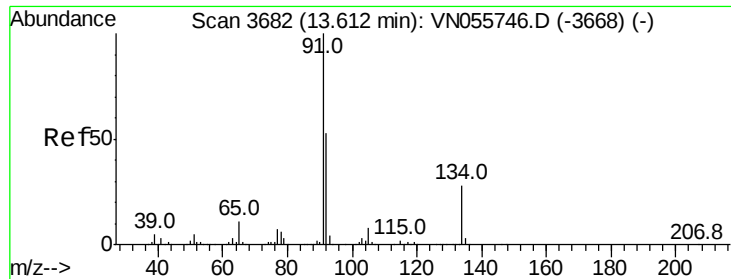
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	64.0	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.718 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.7	32.1	96.5

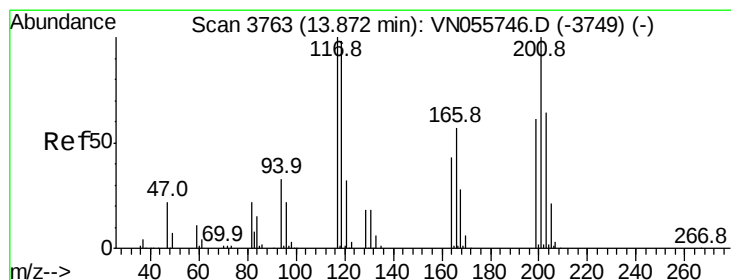
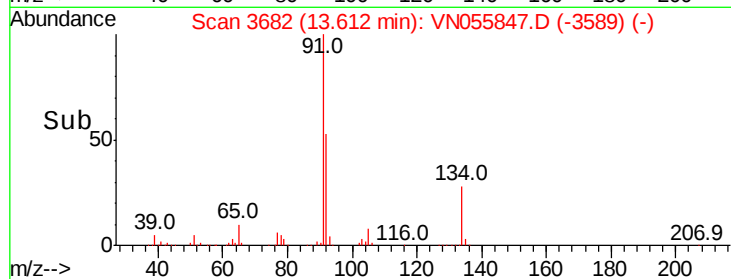
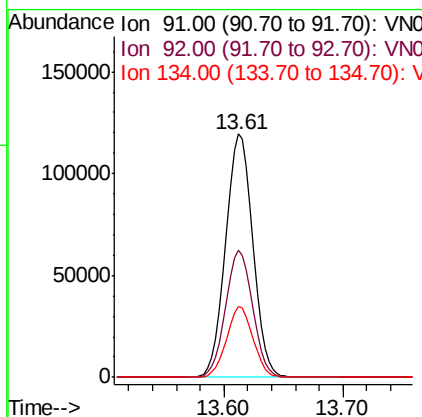
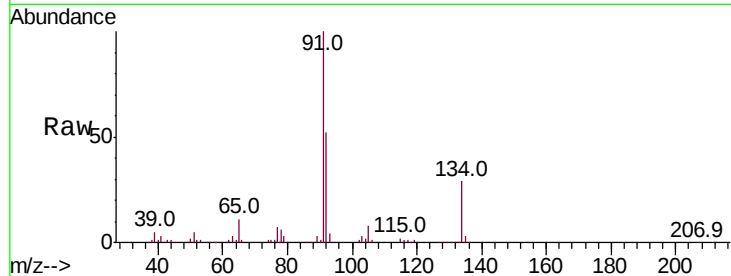




#89
n-Butylbenzene
Concen: 18.496 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

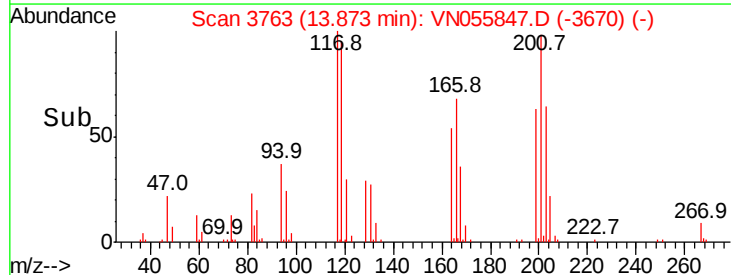
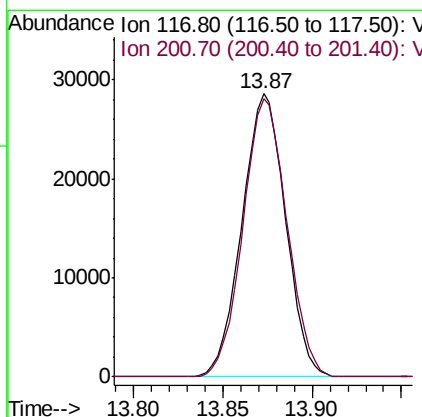
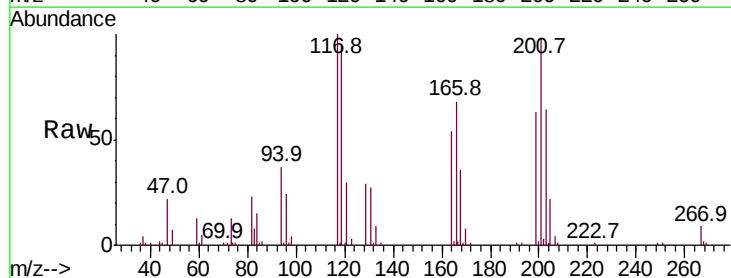
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBS01

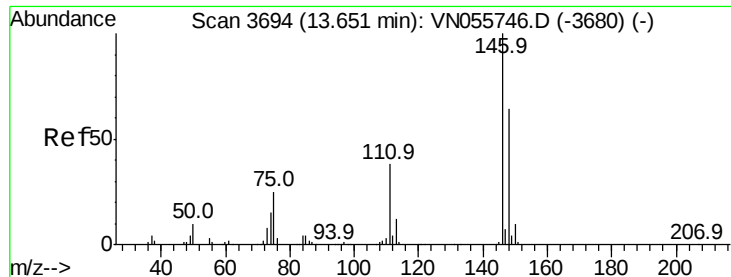
Tot Ion: 91 Resp: 189609
Ion Ratio Lower Upper
91 100
92 51.8 26.4 79.0
134 28.2 13.9 41.7



#90
Hexachloroethane
Concen: 19.117 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055847.D
Acq: 28 May 2019 12:51

Tgt Ion: 117 Resp: 48683
Ion Ratio Lower Upper
117 100
201 99.3 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.502 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0528WBS01

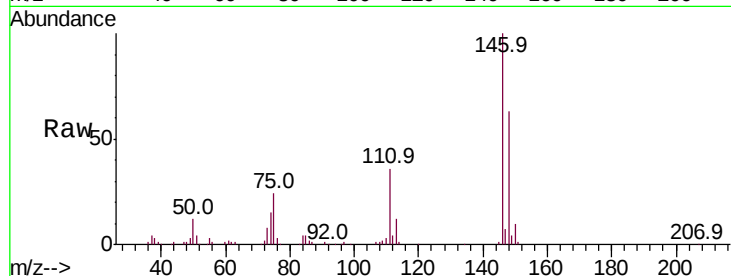
Tot Ion:146 Resp: 133150

Ion Ratio Lower Upper

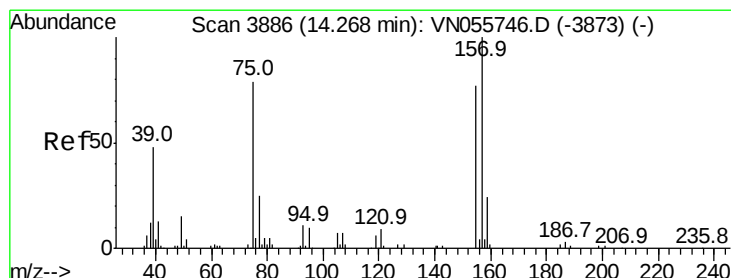
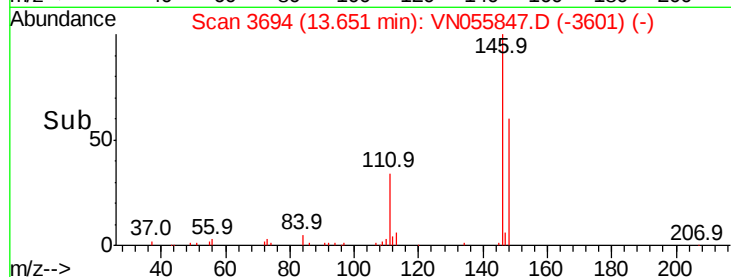
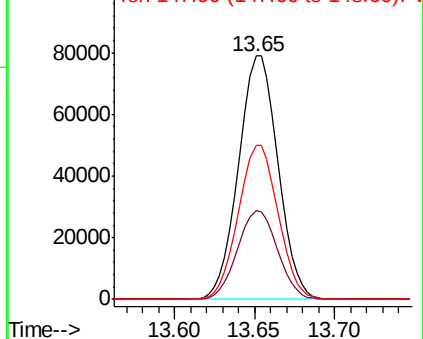
146 100

111 36.8 19.1 57.5

148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.806 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

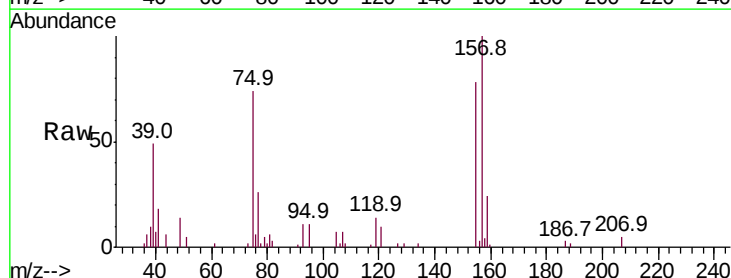
Tgt Ion: 75 Resp: 16053

Ion Ratio Lower Upper

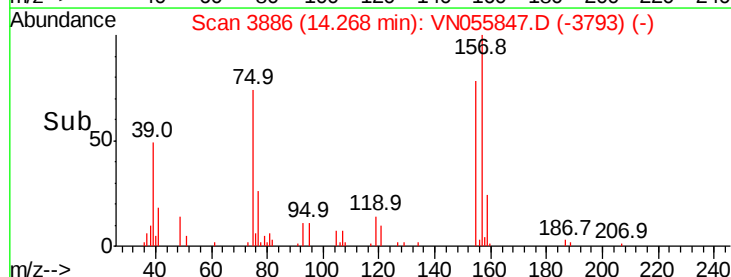
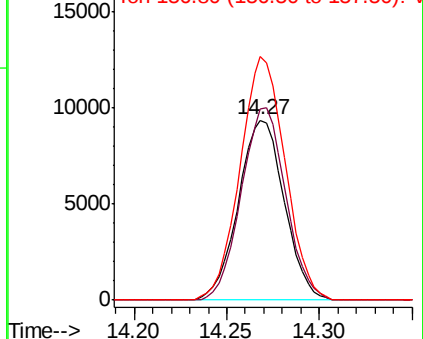
75 100

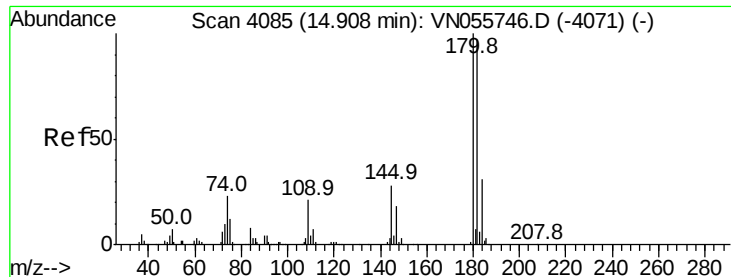
155 103.6 50.0 150.1

157 133.1 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

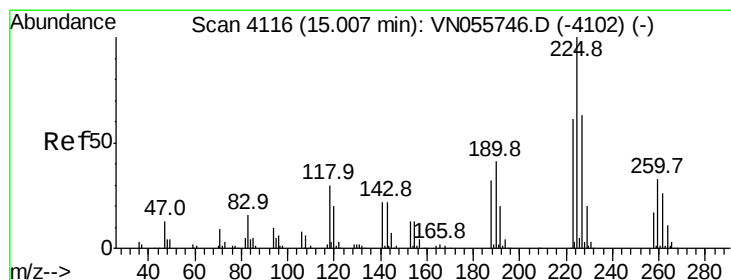
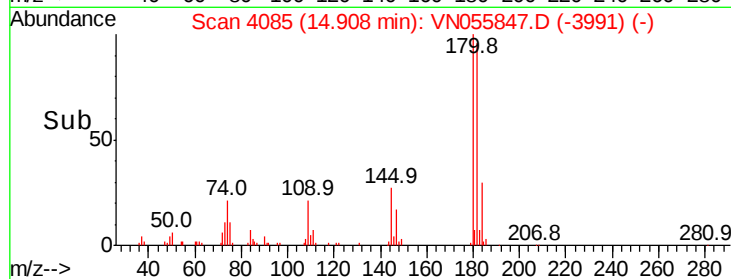
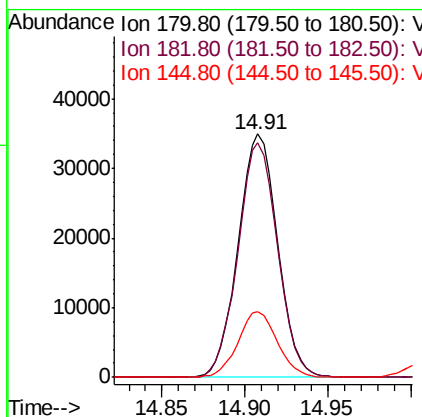
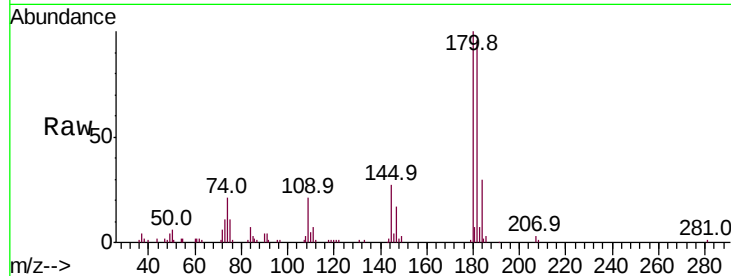




#93
 1,2,4-Trichlorobenzene
 Concen: 18.020 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

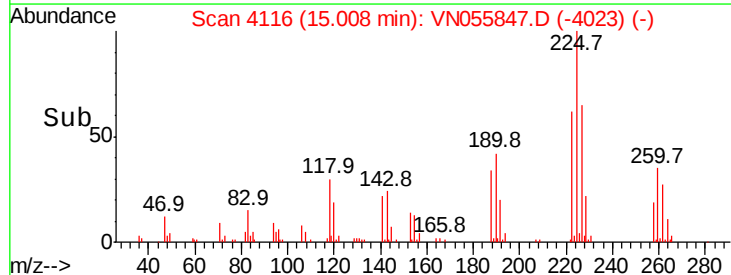
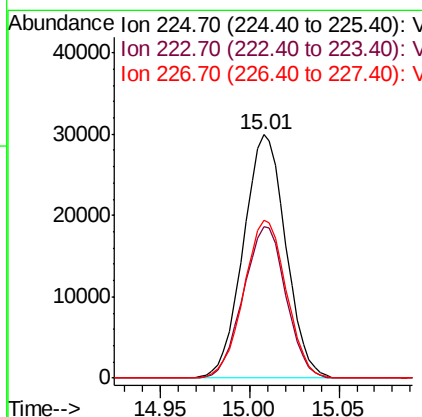
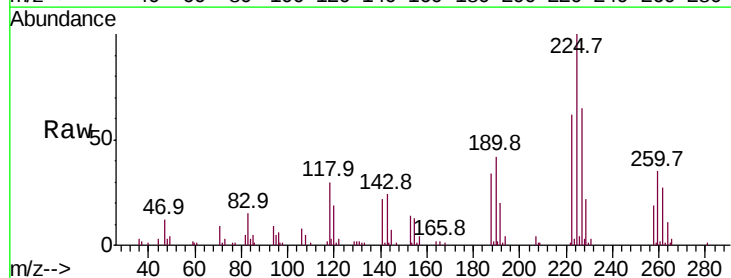
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

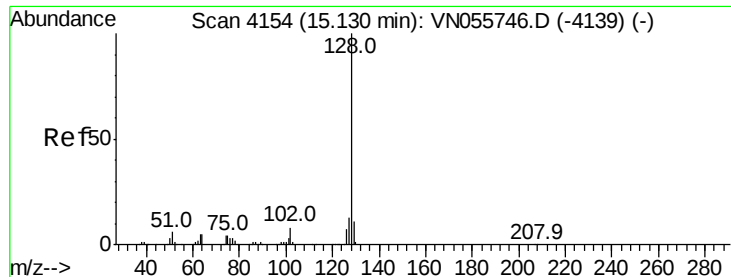
Tot Ion:180 Resp: 57959
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 26.8 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.660 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055847.D
 Acq: 28 May 2019 12:51

Tgt Ion:225 Resp: 49670
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.7
 227 64.9 31.6 94.7





#95

Naphthalene

Concen: 17.613 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBS01

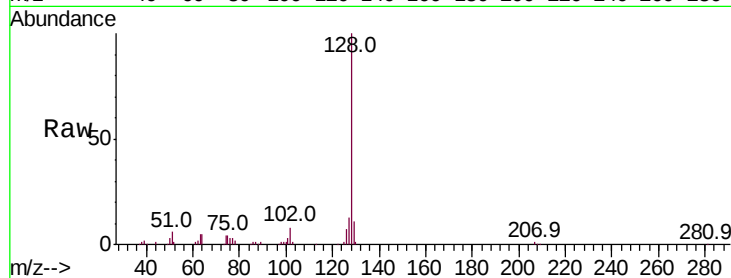
Tot Ion:128 Resp: 156969

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

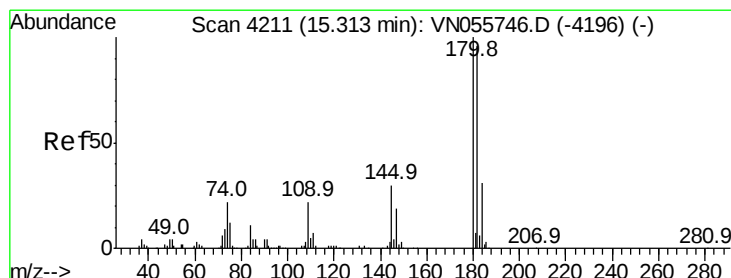
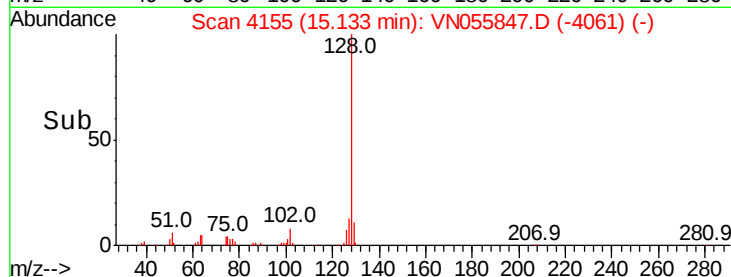
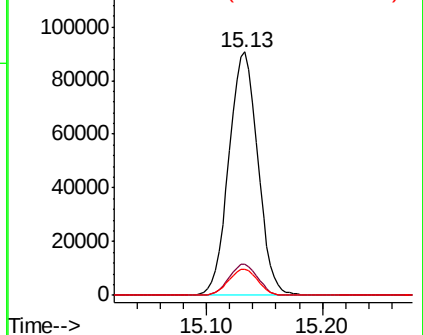
129 10.9 8.7 13.1



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: 18.825 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055847.D

Acq: 28 May 2019 12:51

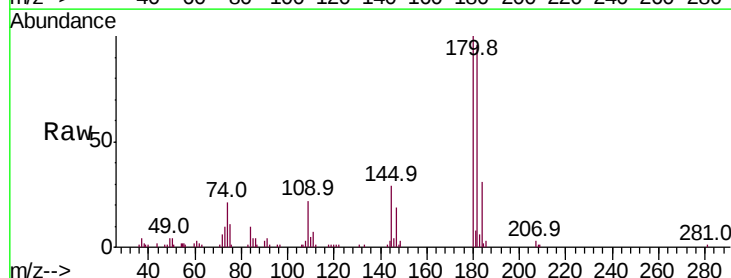
Tgt Ion:180 Resp: 64629

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 29.0 14.9 44.7



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

