

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055794.D
 Acq On : 24 May 2019 14:27
 Operator : JC/SP
 Sample : VN0524MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

Quant Time: May 25 04:27:12 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	372559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	189610	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.59	113	171866	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	652685	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	220295	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	44326	17.678	ug/l 98
3) Chloromethane	2.06	50	65583	18.668	ug/l 99
4) Vinyl Chloride	2.18	62	69581	18.570	ug/l 98
5) Bromomethane	2.54	94	45194	19.279	ug/l 99
6) Chloroethane	2.69	64	44061	19.531	ug/l 99
7) Trichlorofluoromethane	3.01	101	92059	18.740	ug/l 98
8) Diethyl Ether	3.40	74	41841	19.003	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57193	18.651	ug/l 99
10) Methyl Iodide	3.94	142	88895	19.828	ug/l 99
11) Tert butyl alcohol	4.81	59	70339	95.683	ug/l # 89
12) 1,1-Dichloroethene	3.72	96	60854	19.206	ug/l 95
13) Acrolein	3.60	56	42843	81.391	ug/l 93
14) Allyl chloride	4.31	41	102526	18.875	ug/l 98
15) Acrylonitrile	4.99	53	166686	98.745	ug/l 100
16) Acetone	3.82	43	144891	85.670	ug/l 100
17) Carbon Disulfide	4.04	76	161777	17.971	ug/l 99
18) Methyl Acetate	4.33	43	70905	19.860	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	206673	19.557	ug/l 97
20) Methylene Chloride	4.54	84	71004	19.385	ug/l 96
21) trans-1,2-Dichloroethene	5.03	96	66034	19.399	ug/l 98
22) Diisopropyl ether	5.96	45	203234	19.237	ug/l 98
23) Vinyl Acetate	5.90	43	863599	95.342	ug/l 100
24) 1,1-Dichloroethane	5.84	63	117616	19.121	ug/l 99
25) 2-Butanone	6.84	43	222574	94.231	ug/l 99
26) 2,2-Dichloropropane	6.82	77	92654	17.405	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	77988	19.637	ug/l 98
28) Bromochloromethane	7.19	49	59502	20.318	ug/l 97
29) Tetrahydrofuran	7.22	42	147446	98.574	ug/l 98
30) Chloroform	7.37	83	118832	19.372	ug/l 99
31) Cyclohexane	7.65	56	110785	19.184	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	104203	19.036	ug/l 100
36) 1,1-Dichloropropene	7.79	75	87287	18.707	ug/l 99
37) Ethyl Acetate	6.93	43	91459	20.281	ug/l 99
38) Carbon Tetrachloride	7.77	117	91784	18.885	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106532	18.438	ug/l	100
40) Benzene	8.04	78	279293	19.861	ug/l	99
41) Methacrylonitrile	7.18	41	37823	16.601	ug/l	86
42) 1,2-Dichloroethane	8.12	62	90424	19.679	ug/l	100
43) Isopropyl Acetate	8.17	43	145359	19.184	ug/l #	92
44) Trichloroethene	8.83	130	78951	20.139	ug/l	98
45) 1,2-Dichloropropane	9.12	63	72034	19.661	ug/l	99
46) Dibromomethane	9.21	93	47238	19.660	ug/l	96
47) Bromodichloromethane	9.40	83	93165	18.909	ug/l	99
48) Methyl methacrylate	9.20	41	70051	20.060	ug/l	97
49) 1,4-Dioxane	9.20	88	29348	404.422	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	443015	98.998	ug/l	99
52) Toluene	10.16	92	179386	20.283	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	99514	18.922	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	113693	19.514	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71536	20.190	ug/l	99
56) Ethyl methacrylate	10.43	69	109491	19.996	ug/l	99
57) 1,3-Dichloropropane	10.71	76	115456	20.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	196872	94.080	ug/l	99
59) 2-Hexanone	10.75	43	308230	97.093	ug/l	100
60) Dibromochloromethane	10.90	129	79666	19.301	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74448	20.258	ug/l	98
64) Tetrachloroethene	10.63	164	81591	20.333	ug/l	99
65) Chlorobenzene	11.43	112	191843	20.142	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	73001	19.217	ug/l	99
67) Ethyl Benzene	11.51	91	343657	20.120	ug/l	99
68) m/p-Xylenes	11.62	106	277292	42.944	ug/l	99
69) o-Xylene	11.95	106	130121	20.311	ug/l	98
70) Styrene	11.96	104	207353	19.987	ug/l	100
71) Bromoform	12.13	173	60004	18.519	ug/l #	99
73) Isopropylbenzene	12.25	105	335434	21.603	ug/l	99
74) N-amyl acetate	12.07	43	115926	19.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	101193	21.672	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	120285	33.188	ug/l #	100
77) Bromobenzene	12.53	156	120730	27.737	ug/l	66
78) n-propylbenzene	12.59	91	353285	19.928	ug/l	99
79) 2-Chlorotoluene	12.67	91	217484	21.313	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281646	21.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27033	17.832	ug/l	97
82) 4-Chlorotoluene	12.77	91	203005	19.480	ug/l	100
83) tert-Butylbenzene	12.99	119	241881	21.167	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	300375	23.389	ug/l	99
85) sec-Butylbenzene	13.17	105	304764	20.817	ug/l	100
86) p-Isopropyltoluene	13.29	119	275031	19.416	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	138042	20.029	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	128921	19.675	ug/l	100
89) n-Butylbenzene	13.61	91	206461	19.022	ug/l	98
90) Hexachloroethane	13.87	117	50763	18.827	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	137806	20.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16716	18.495	ug/l	93

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QLast Update : Fri May 24 06:41:54 2019
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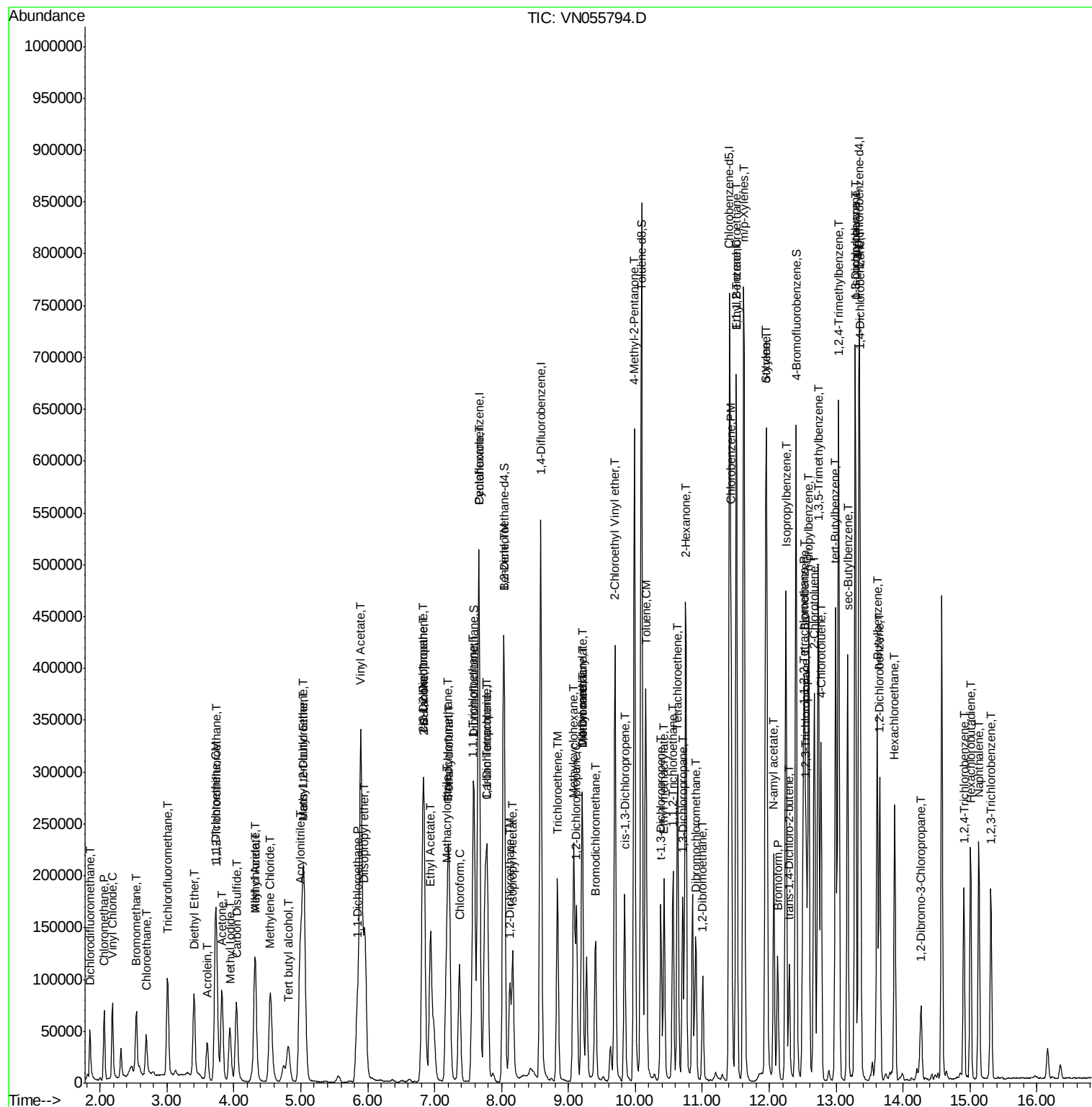
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67361	19.425	ug/l	98
94) Hexachlorobutadiene	15.01	225	49837	19.479	ug/l	97
95) Naphthalene	15.13	128	208503	22.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	71897	19.780	ug/l	99

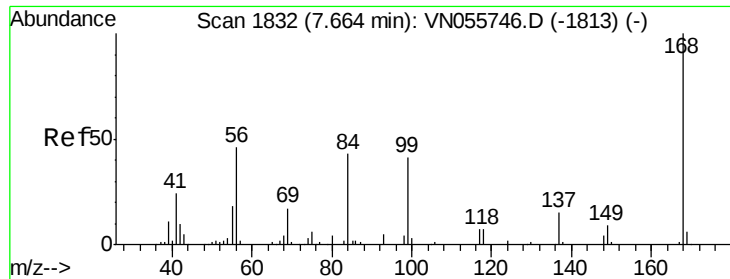
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

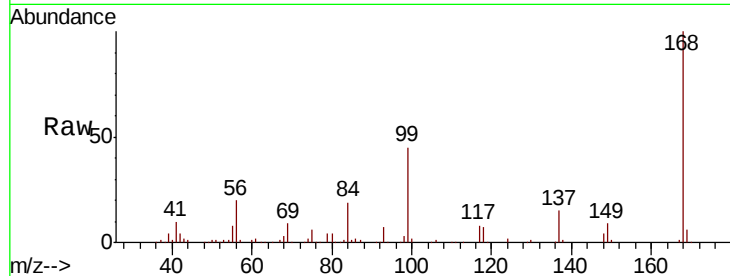
VN0524MBSD01

Tot Ion:168 Resp: 372559

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

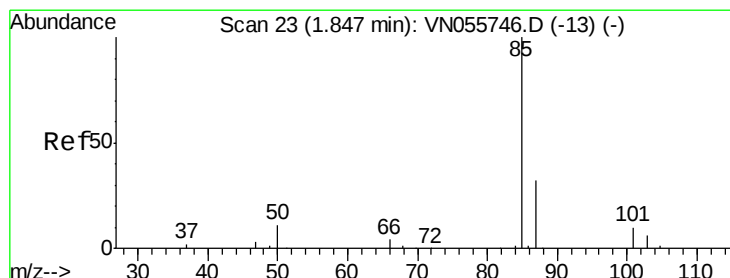
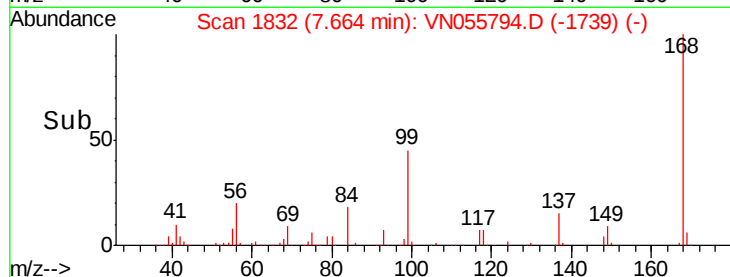
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.678 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055794.D

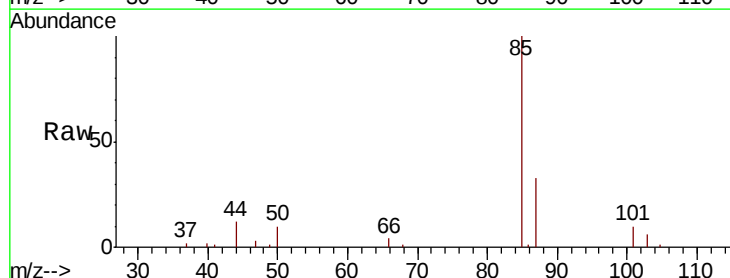
Acq: 24 May 2019 14:27

Tgt Ion: 85 Resp: 44326

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

15000

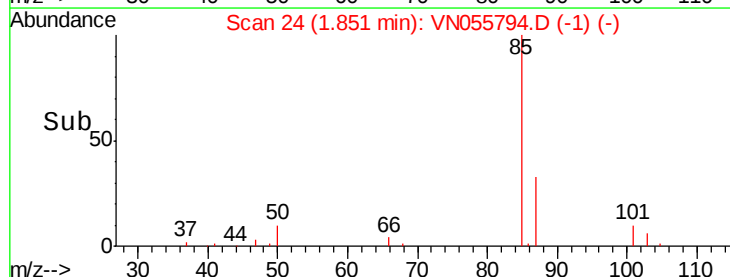
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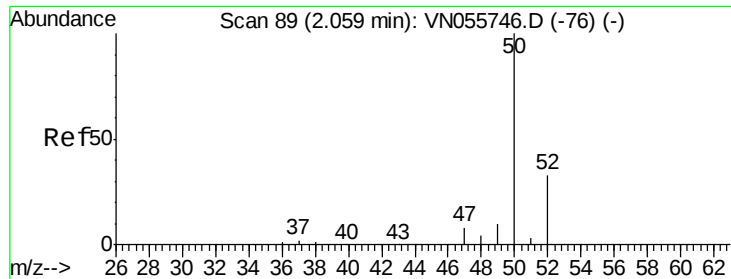
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0

1.80 1.85 1.90 1.95

Time-->

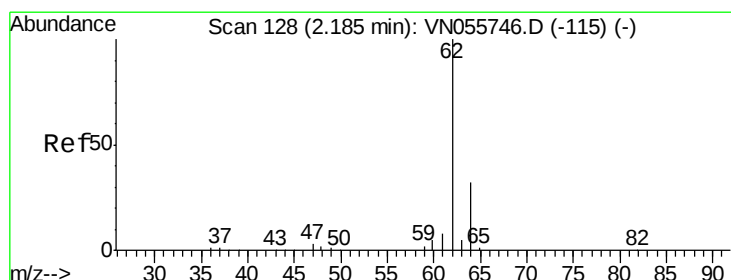
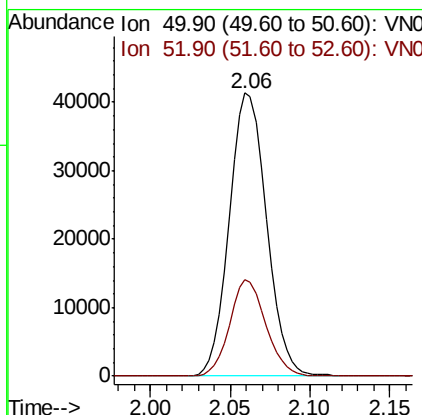
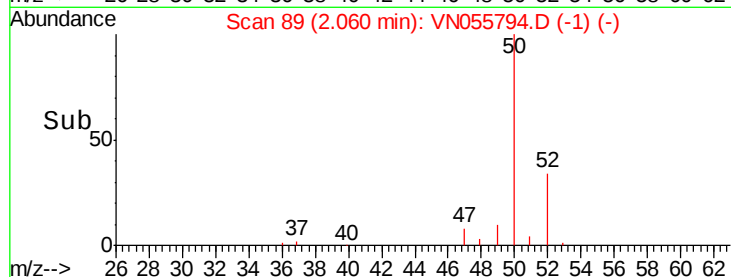
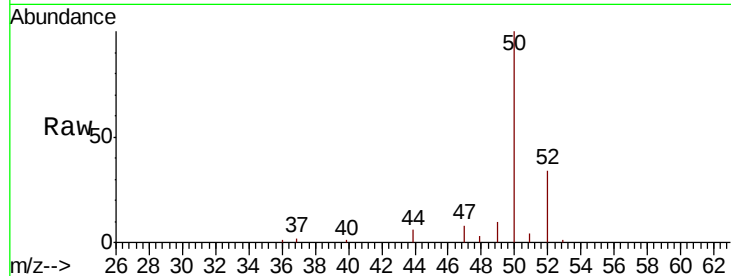




#3
 Chloromethane
 Concen: 18.668 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

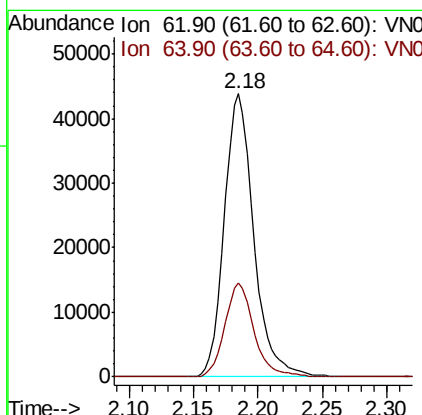
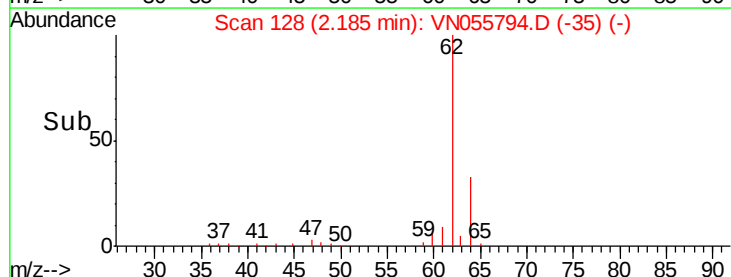
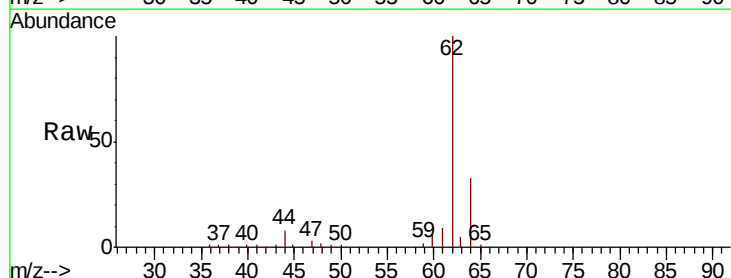
Instrument :
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 ClientSampleId :
 VN0524MBSD01

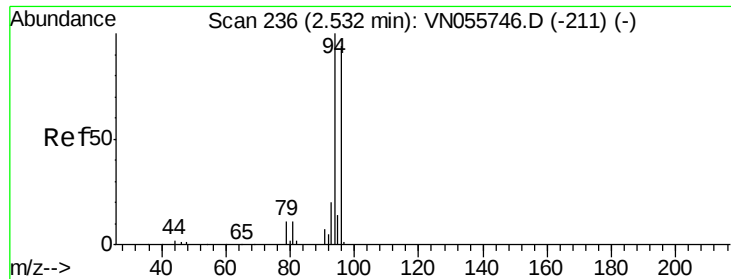
Tot Ion: 50 Resp: 65583
 Ion Ratio Lower Upper
 50 100
 52 34.1 26.6 40.0



#4
 Vinyl Chloride
 Concen: 18.570 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 62 Resp: 69581
 Ion Ratio Lower Upper
 62 100
 64 33.3 25.6 38.4





#5

Bromomethane

Concen: 19.279 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

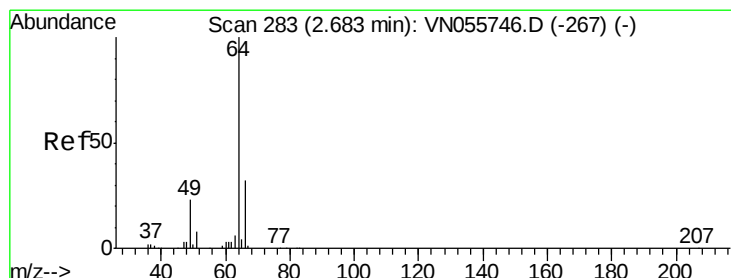
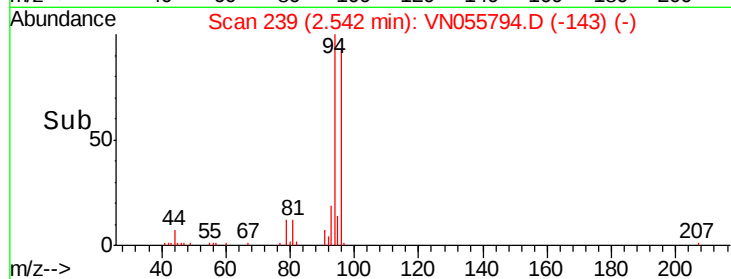
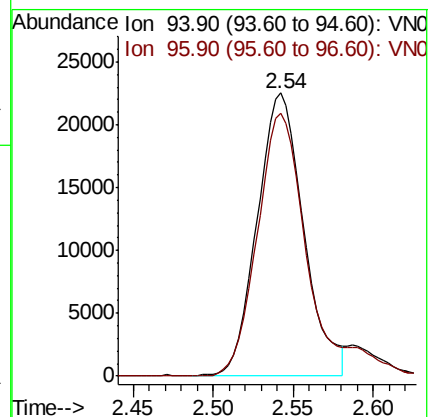
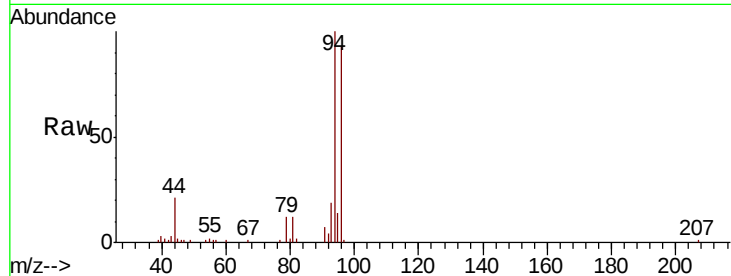
VN0524MBSD01

Tot Ion: 94 Resp: 45194

Ion Ratio Lower Upper

94 100

96 93.0 75.5 113.3



#6

Chloroethane

Concen: 19.531 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055794.D

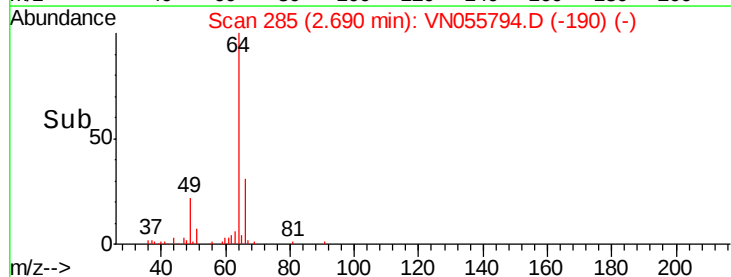
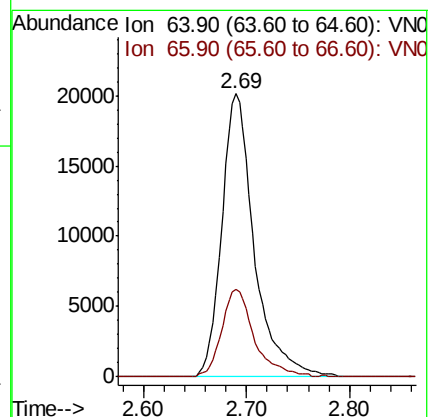
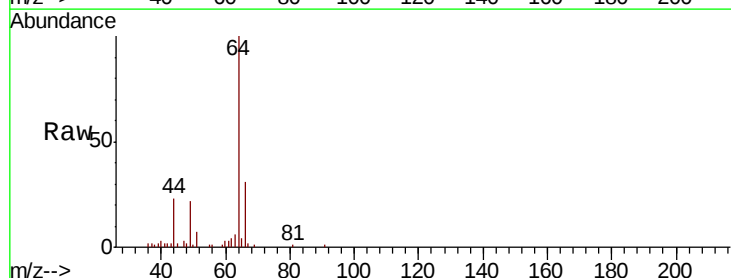
Acq: 24 May 2019 14:27

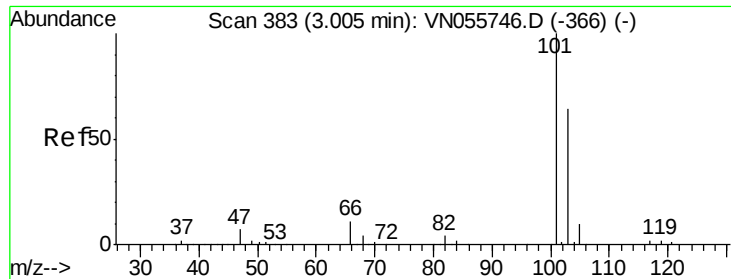
Tgt Ion: 64 Resp: 44061

Ion Ratio Lower Upper

64 100

66 31.0 25.4 38.0



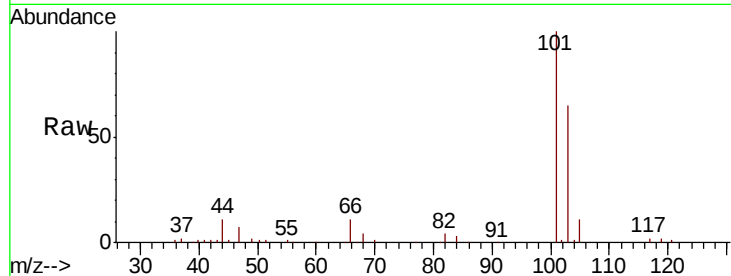


#7

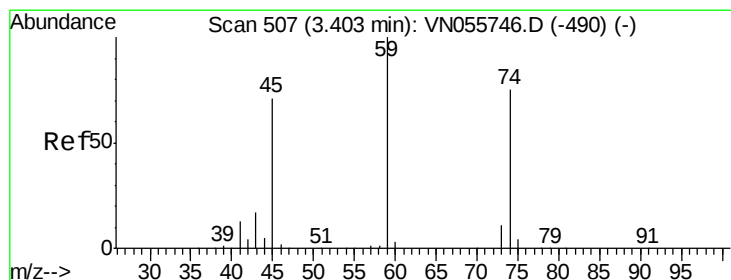
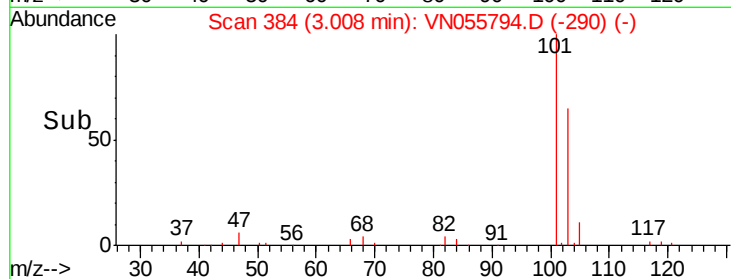
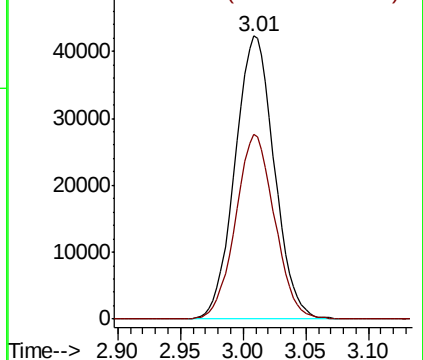
Trichlorofluoromethane
 Concen: 18.740 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
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Tot Ion:101 Resp: 92059
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8



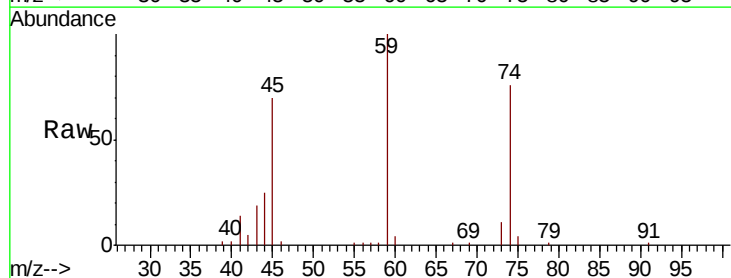
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



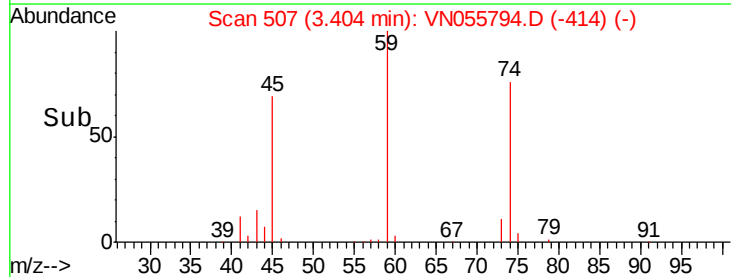
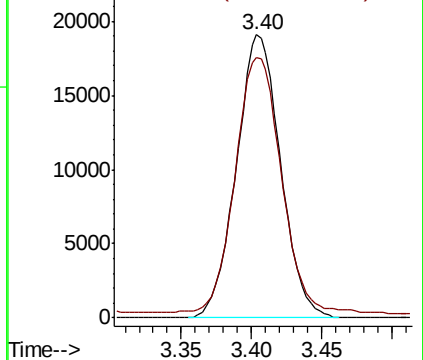
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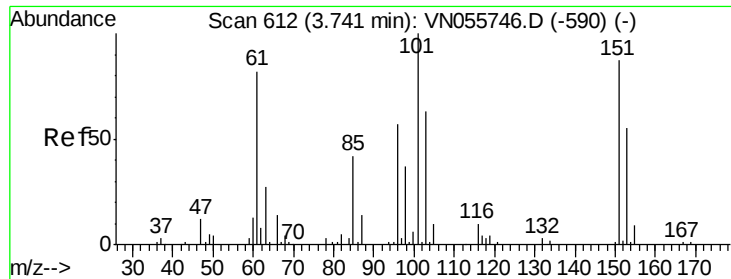
Diethyl Ether
 Concen: 19.003 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 74 Resp: 41841
 Ion Ratio Lower Upper
 74 100
 45 93.3 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.651 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

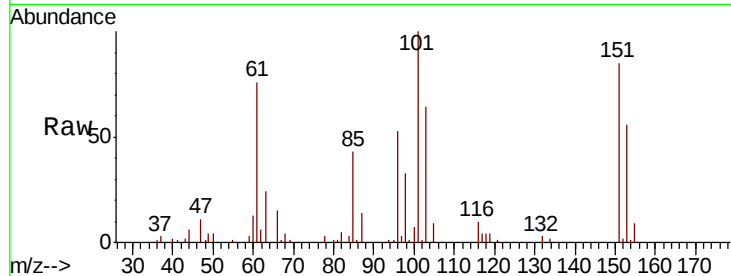
Tot Ion:101 Resp: 57193

Ion Ratio Lower Upper

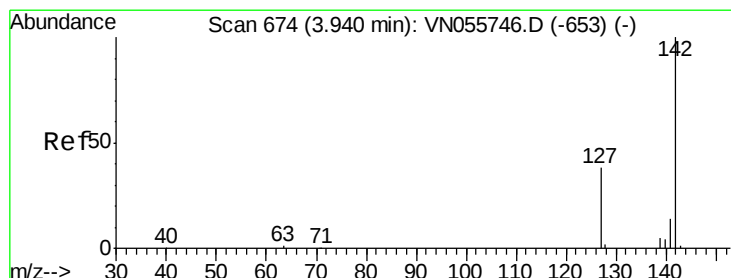
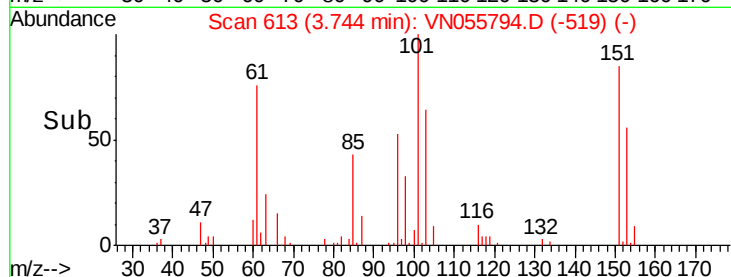
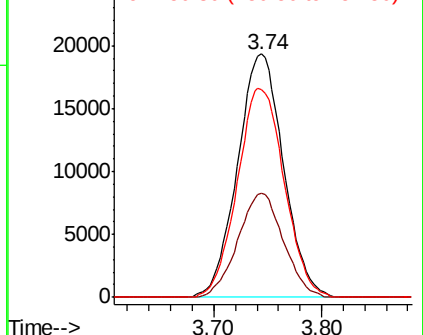
101 100

85 42.4 33.4 50.2

151 87.9 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: 19.828 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

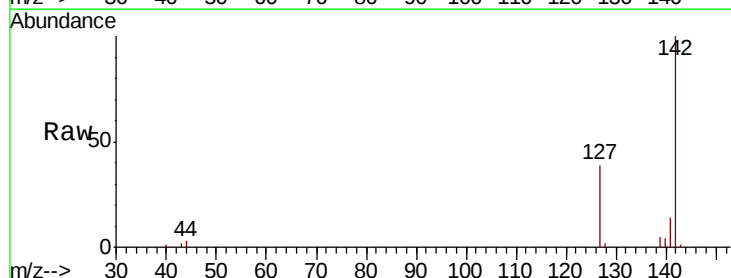
Tgt Ion:142 Resp: 88895

Ion Ratio Lower Upper

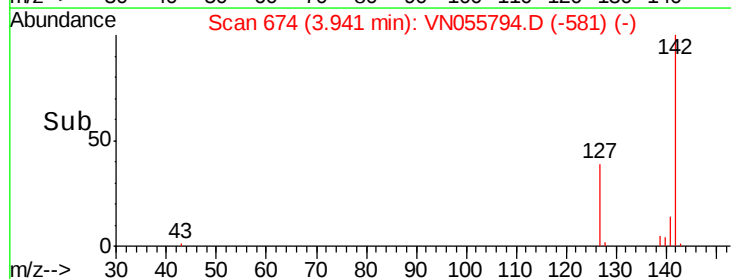
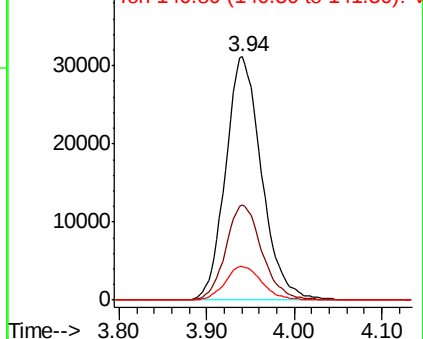
142 100

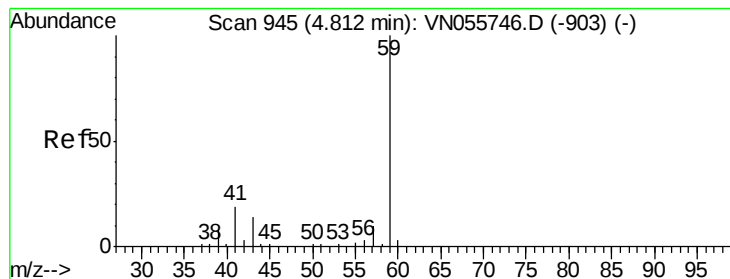
127 39.1 31.0 46.4

141 14.1 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



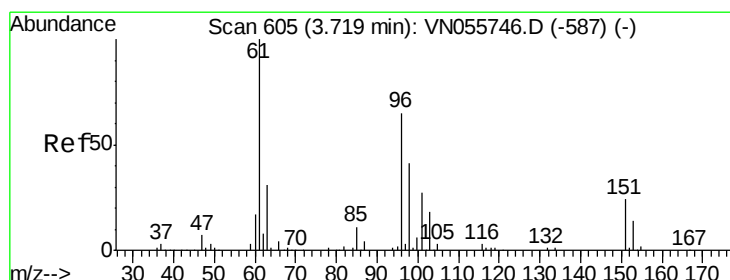
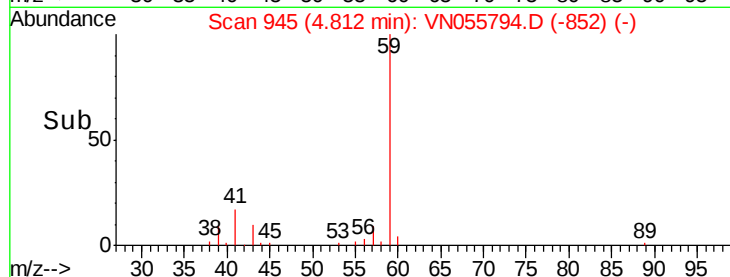
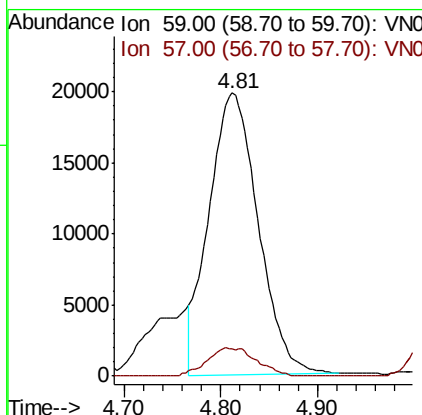
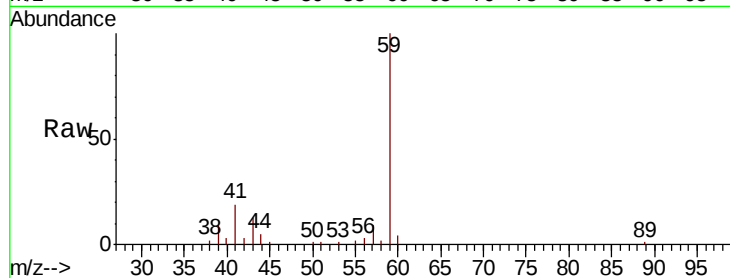


#11

Tert butyl alcohol
 Concen: 95.683 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

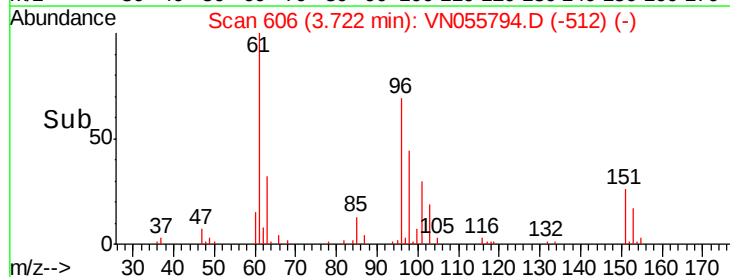
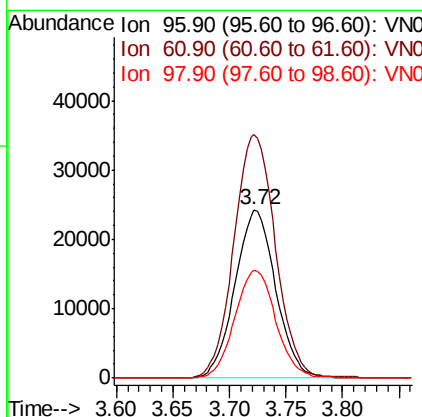
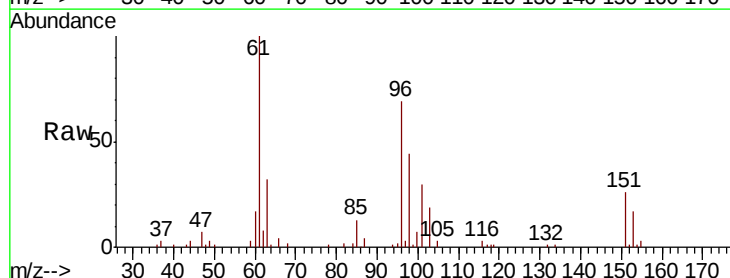
Tot Ion: 59 Resp: 70339
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.8 11.6#

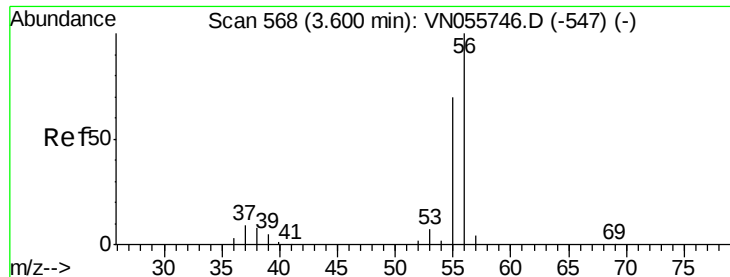


#12

1,1-Dichloroethene
 Concen: 19.206 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 96 Resp: 60854
 Ion Ratio Lower Upper
 96 100
 61 144.8 123.2 184.8
 98 64.0 50.4 75.6





#13

Acrolein

Concen: 81.391 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

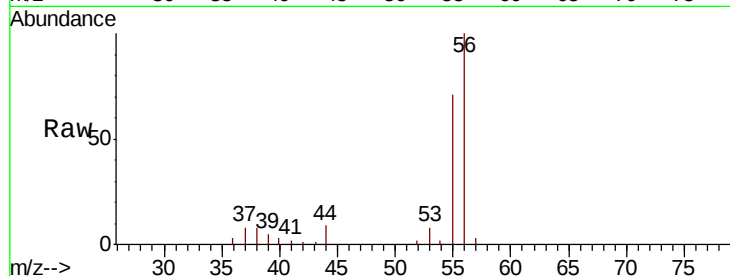
VN0524MBSD01

Tot Ion: 56 Resp: 42843

Ion Ratio Lower Upper

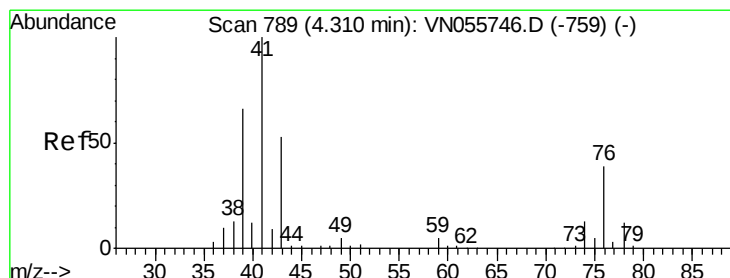
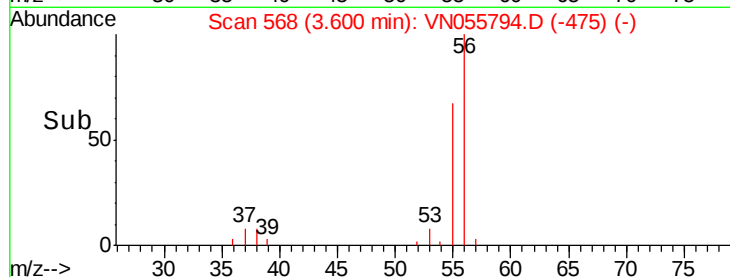
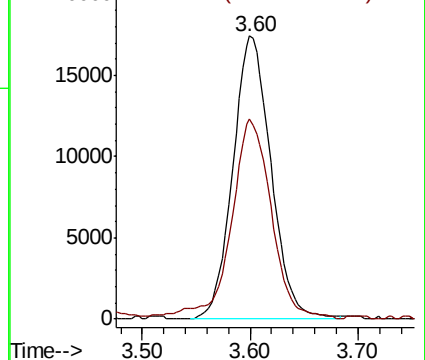
56 100

55 75.1 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: 18.875 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

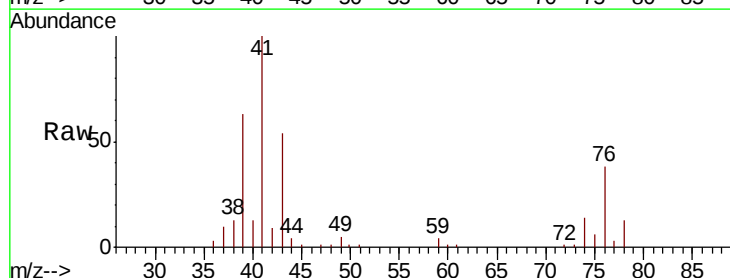
Tgt Ion: 41 Resp: 102526

Ion Ratio Lower Upper

41 100

39 60.4 50.0 75.0

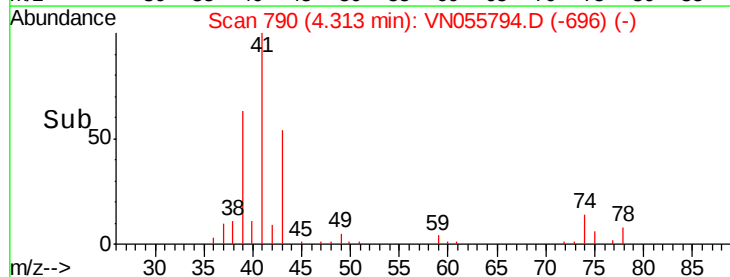
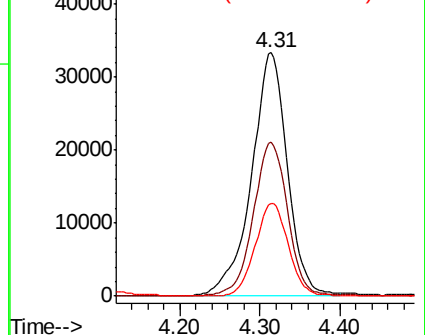
76 35.0 28.2 42.2

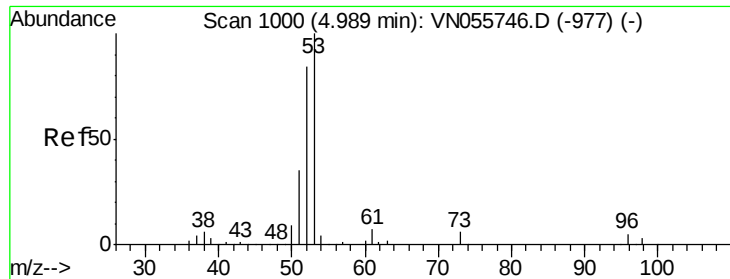


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

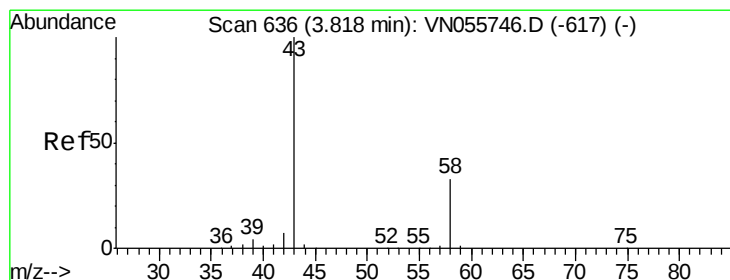
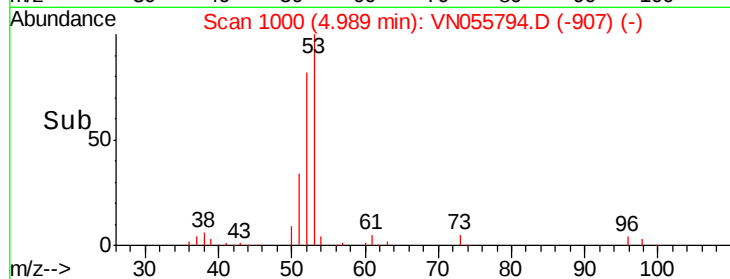
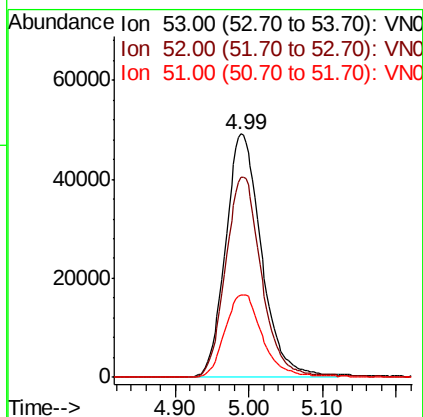
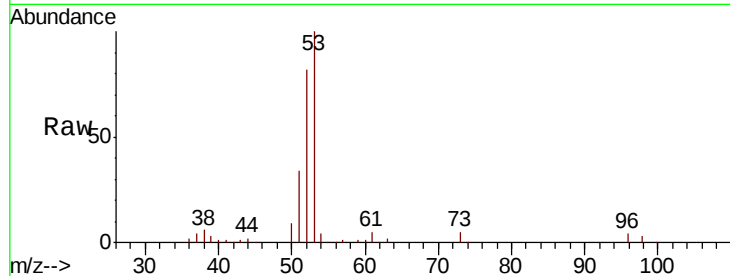




#15
 Acrylonitrile
 Concen: 98.745 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

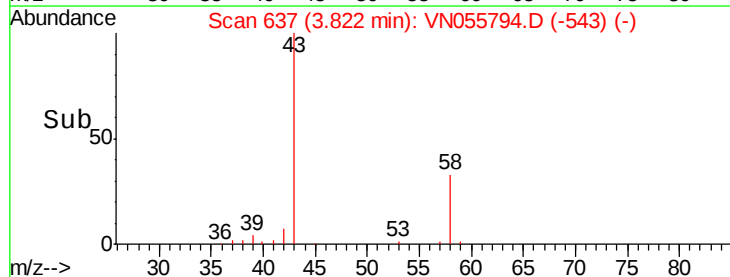
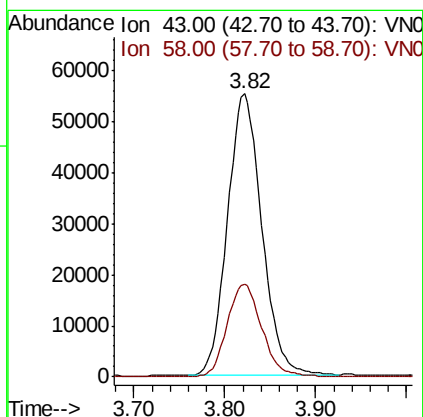
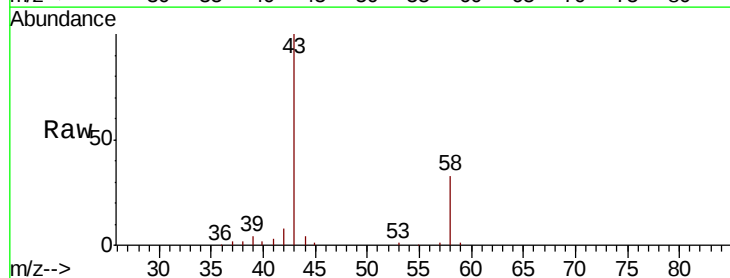
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

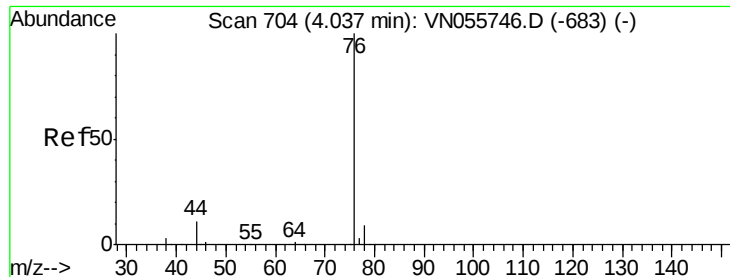
Tot Ion: 53 Resp: 166686
 Ion Ratio Lower Upper
 53 100
 52 81.9 65.8 98.8
 51 35.5 28.2 42.4



#16
 Acetone
 Concen: 85.670 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 43 Resp: 144891
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.6 39.8

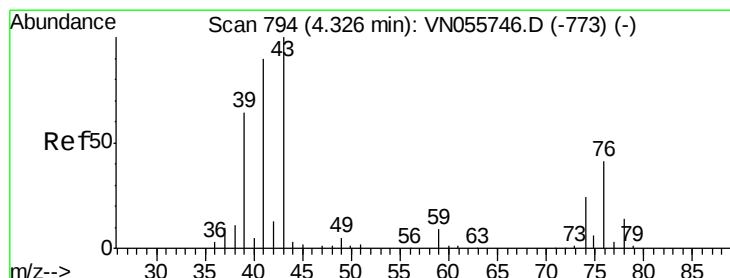
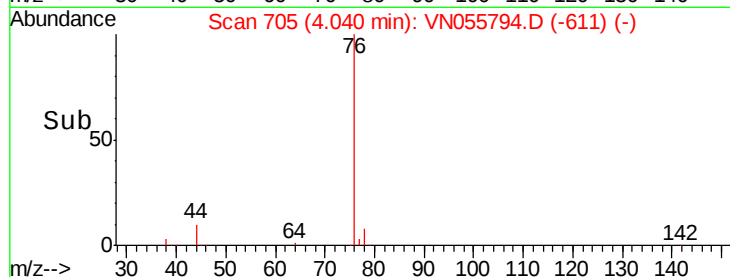
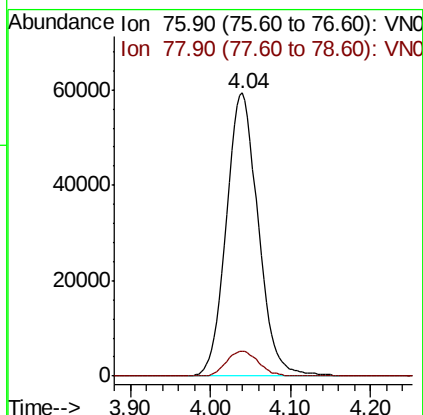
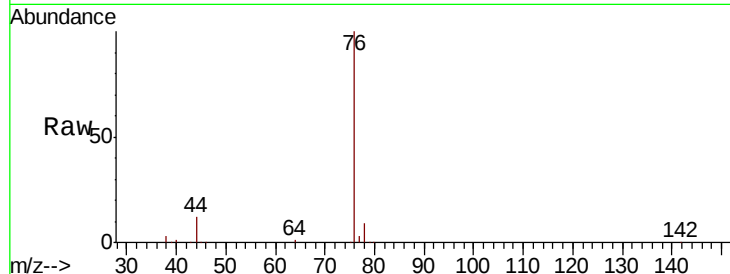




#17
Carbon Disulfide
Concen: 17.971 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

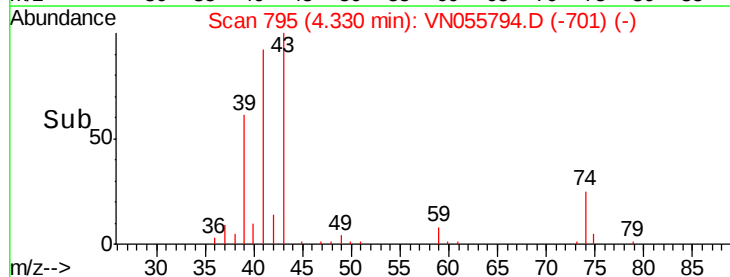
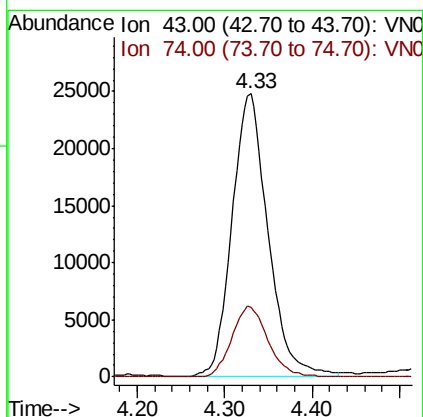
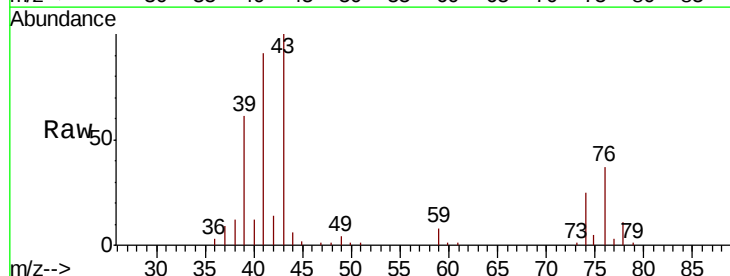
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

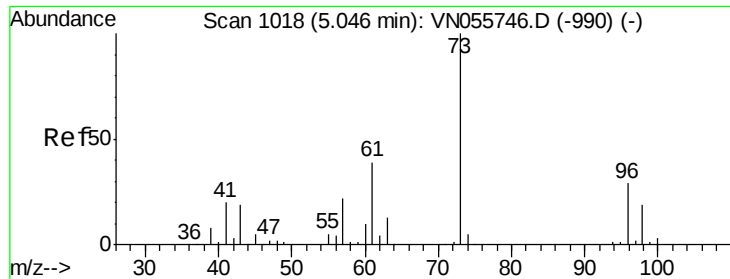
Tot Ion: 76 Resp: 161777
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 19.860 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 43 Resp: 70905
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9

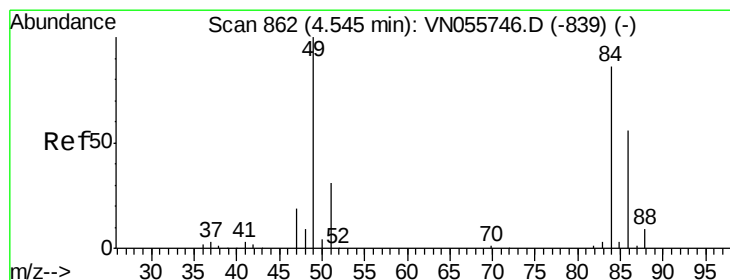
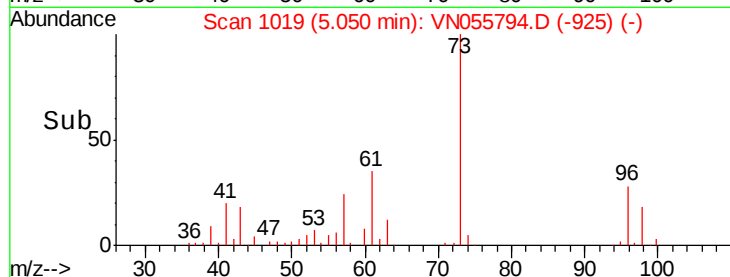
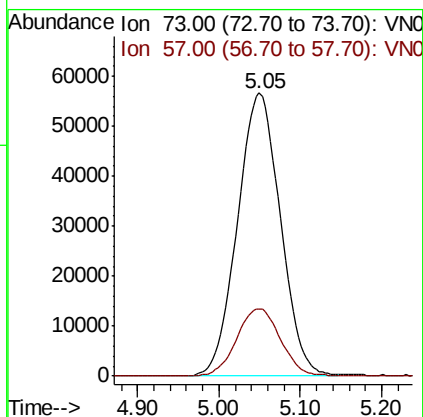
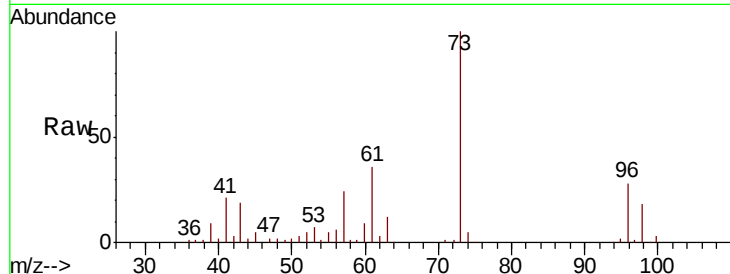




#19
Methvl tert-butvl Ether
Concen: 19.557 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

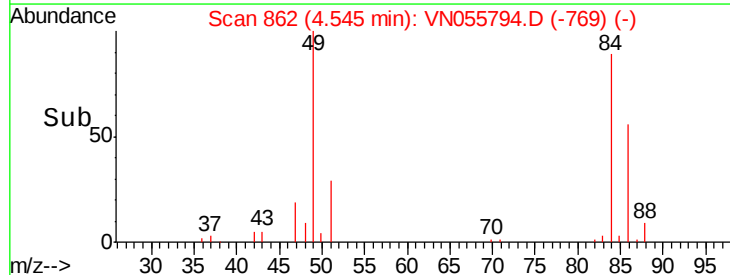
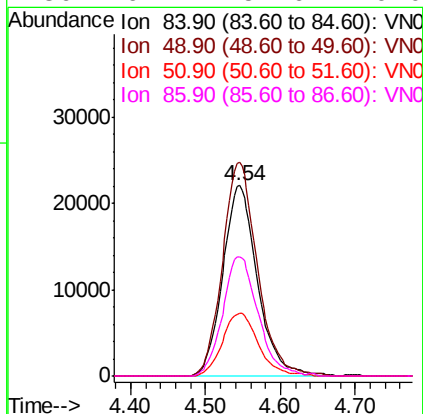
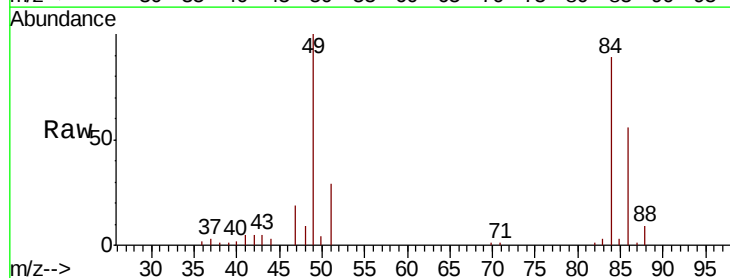
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

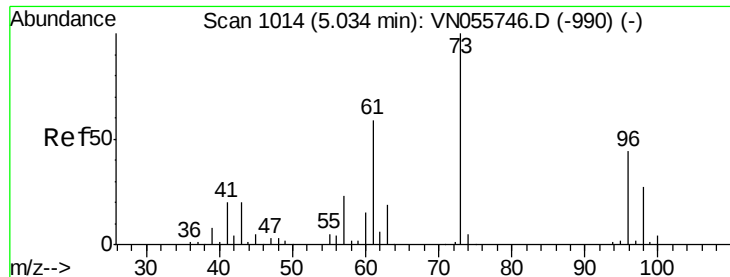
Tot Ion: 73 Resp: 206673
Ion Ratio Lower Upper
73 100
57 23.8 17.8 26.8



#20
Methylene Chloride
Concen: 19.385 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 84 Resp: 71004
Ion Ratio Lower Upper
84 100
49 112.2 93.5 140.3
51 32.9 28.6 43.0
86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.399 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

VN0524MBSD01

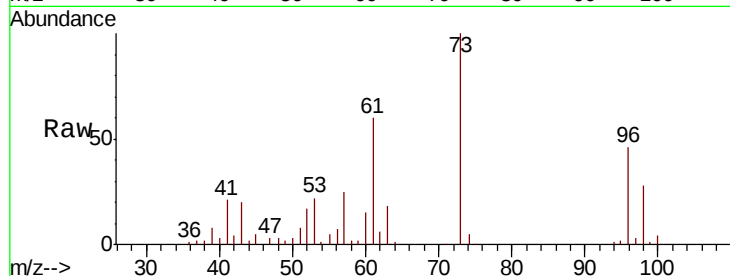
Tot Ion: 96 Resp: 66034

Ion Ratio Lower Upper

96 100

61 131.2 107.8 161.8

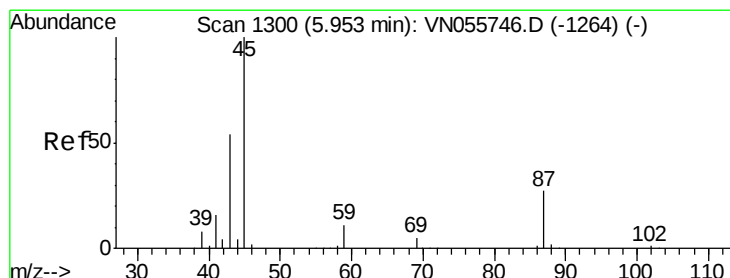
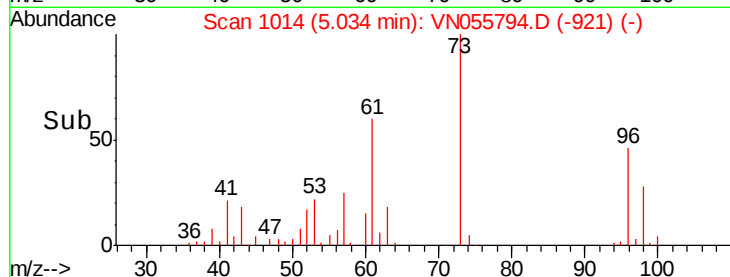
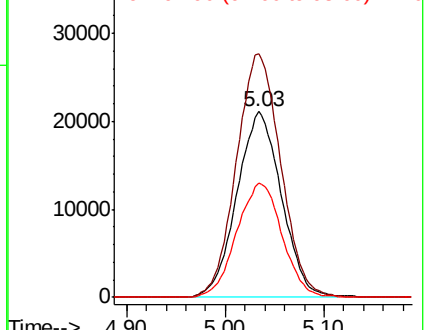
98 61.4 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055794.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055794.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055794.D (-1207) (-)



#22

Diisopropyl ether

Concen: 19.237 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion: 45 Resp: 203234

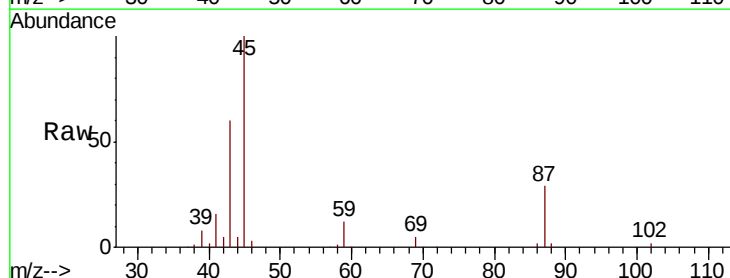
Ion Ratio Lower Upper

45 100

43 57.8 45.0 67.6

87 28.5 22.2 33.4

59 11.6 9.1 13.7

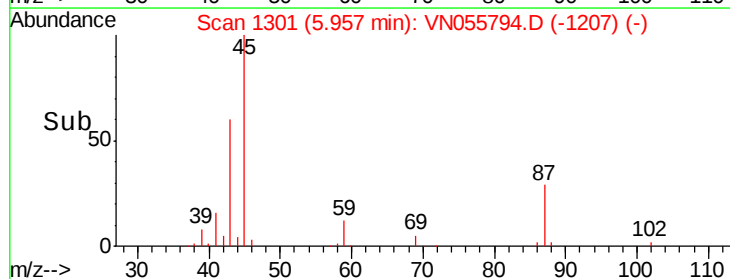
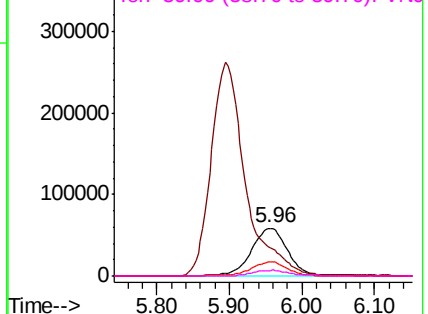


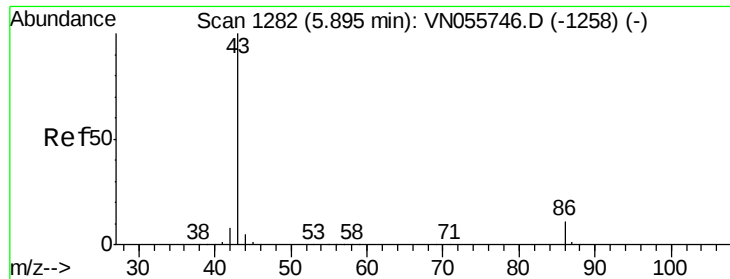
Abundance Ion 45.00 (44.70 to 45.70): VN055794.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055794.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055794.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055794.D (-1207) (-)





#23

Vinyl Acetate

Concen: 95.342 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

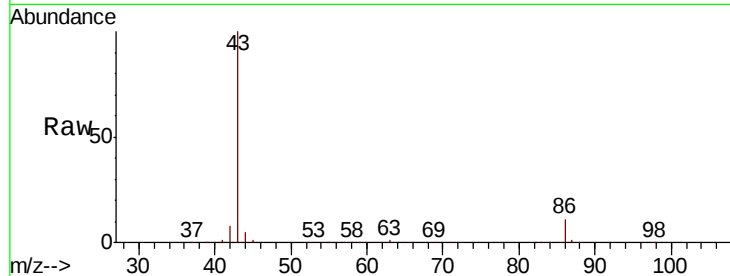
VN0524MBSD01

Tot Ion: 43 Resp: 863599

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055794.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN055794.D (-1189) (-)

5.90

250000

200000

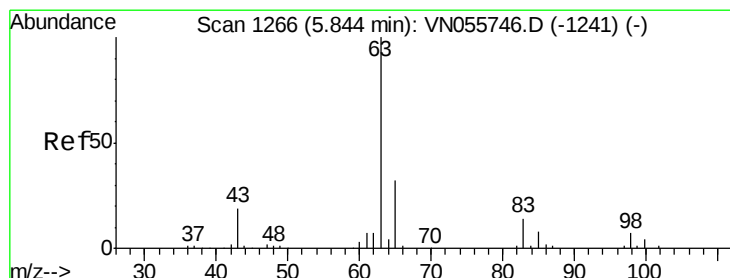
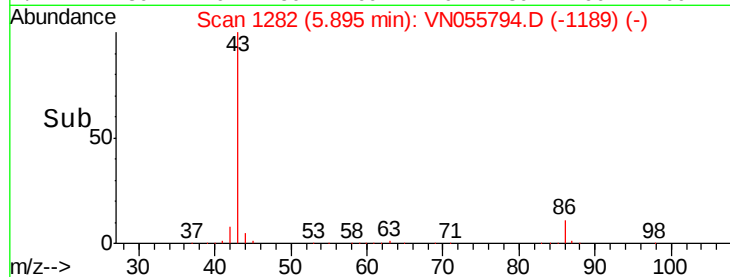
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.121 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

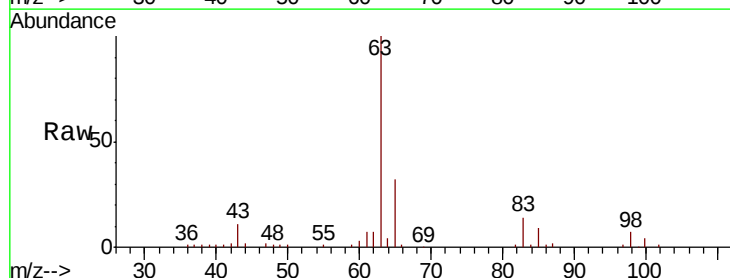
Tgt Ion: 63 Resp: 117616

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055794.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055794.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055794.D (-1173) (-)

5.84

50000

40000

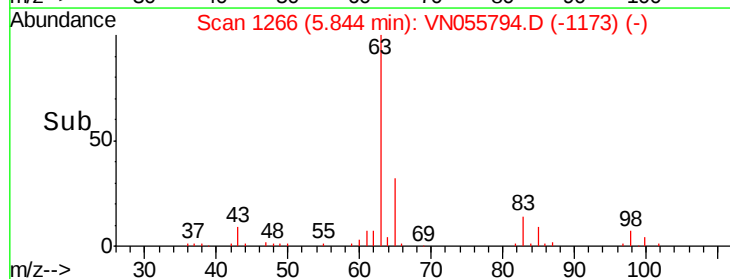
30000

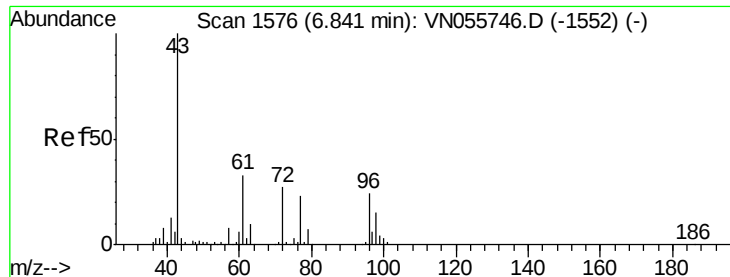
20000

10000

0

Time--> 5.70 5.80 5.90

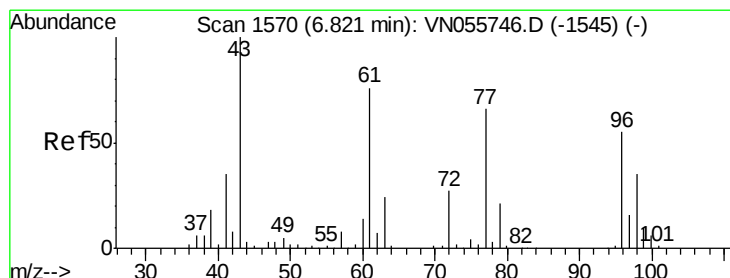
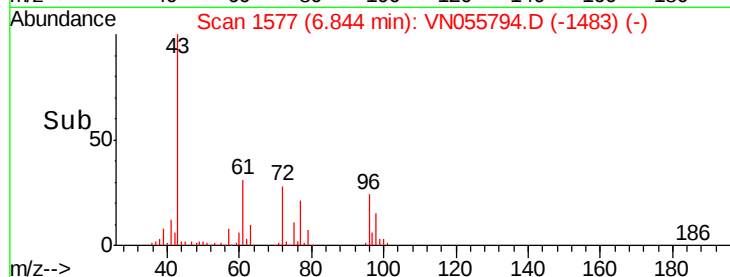
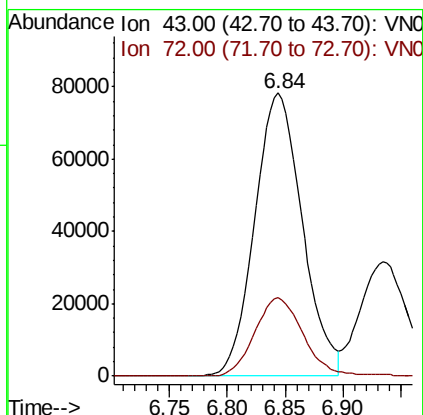
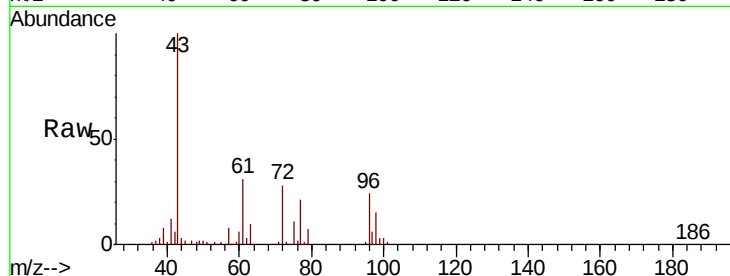




#25
2-Butanone
Concen: 94.231 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

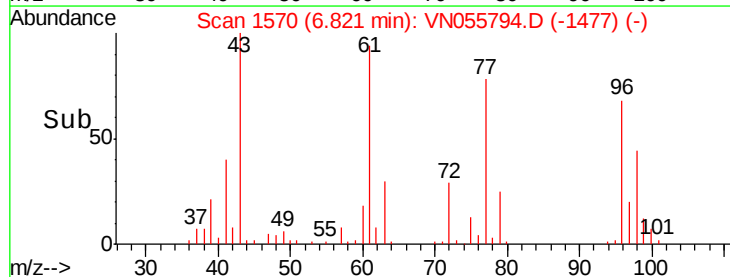
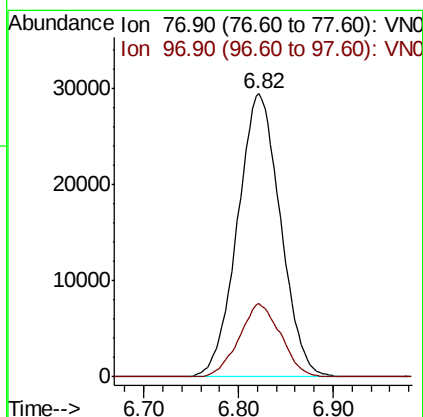
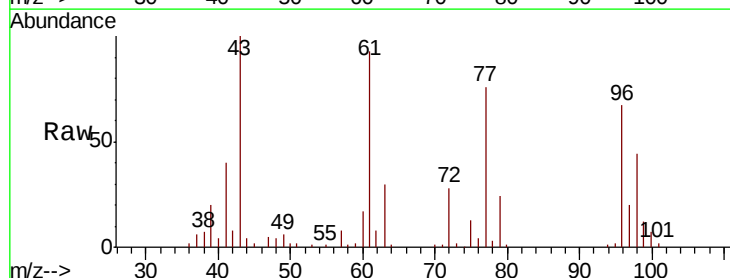
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

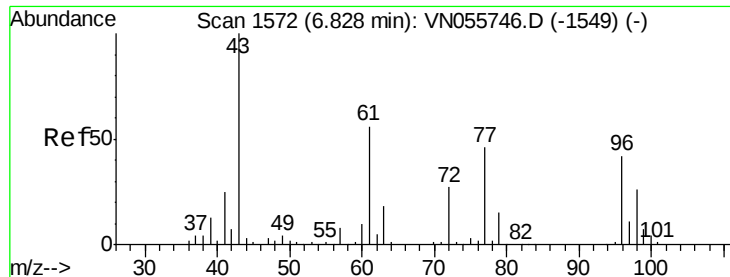
Tot Ion: 43 Resp: 222574
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9



#26
2,2-Dichloropropane
Concen: 17.405 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 77 Resp: 92654
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.637 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

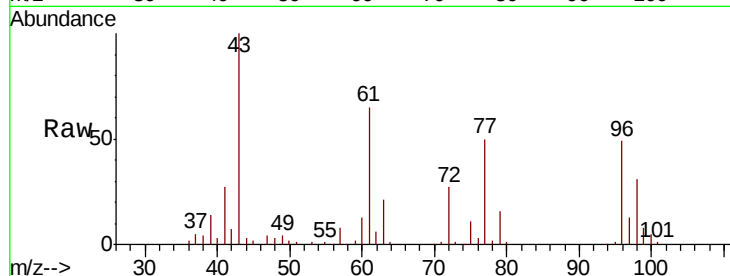
Tot Ion: 96 Resp: 77988

Ion Ratio Lower Upper

96 100

61 135.2 0.0 275.8

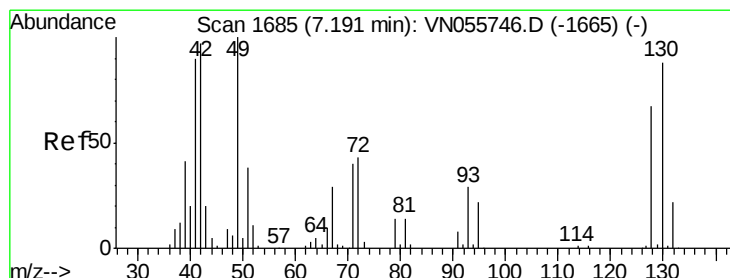
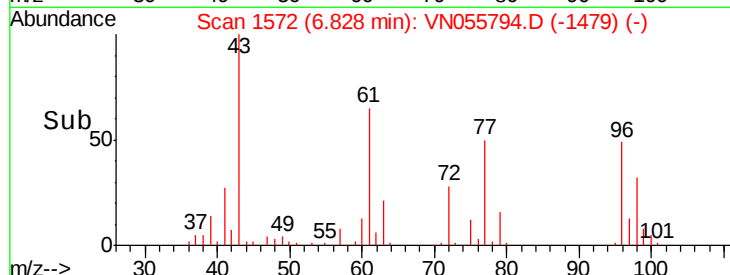
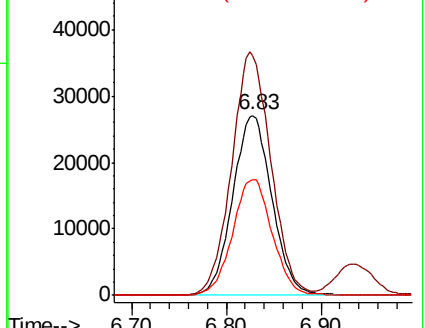
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN055794.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055794.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN055794.D (-1479) (-)



#28

Bromochloromethane

Concen: 20.318 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

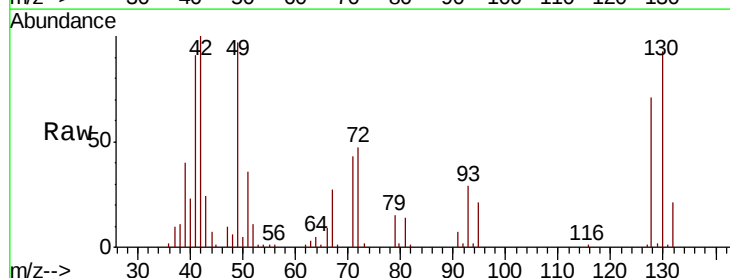
Tgt Ion: 49 Resp: 59502

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

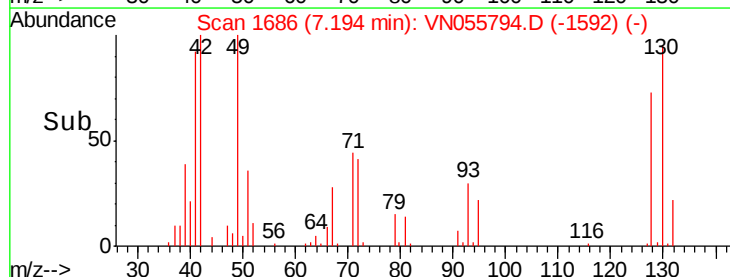
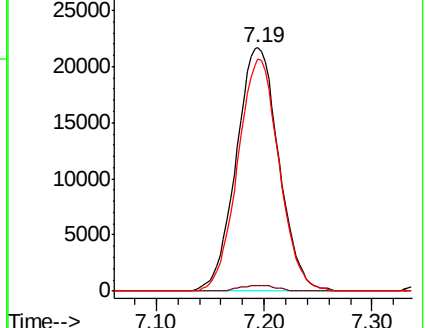
130 92.3 71.2 106.8

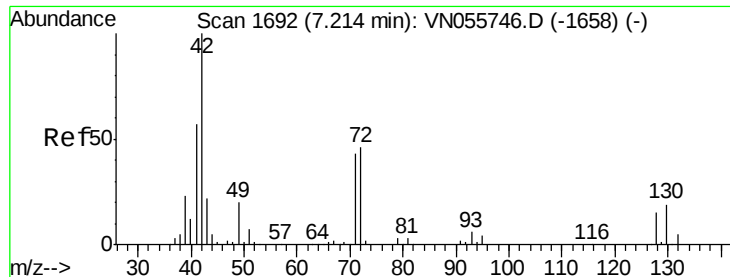


Abundance Ion 48.90 (48.60 to 49.60): VN055794.D (-1592) (-)

Ion 128.80 (128.50 to 129.50): VN055794.D (-1592) (-)

Ion 129.80 (129.50 to 130.50): VN055794.D (-1592) (-)





#29

Tetrahydrofuran

Concen: 98.574 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

VN0524MBSD01

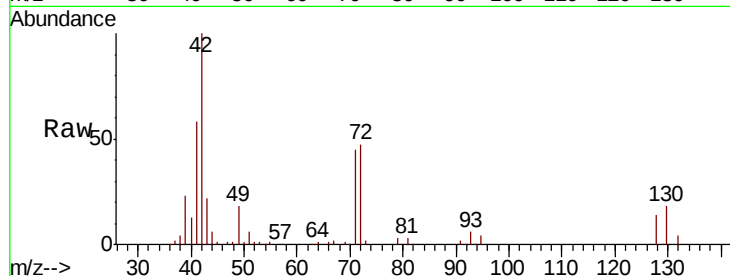
Tot Ion: 42 Resp: 147446

Ion Ratio Lower Upper

42 100

72 45.9 35.9 53.9

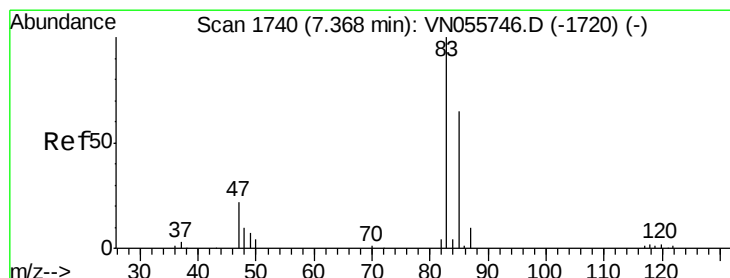
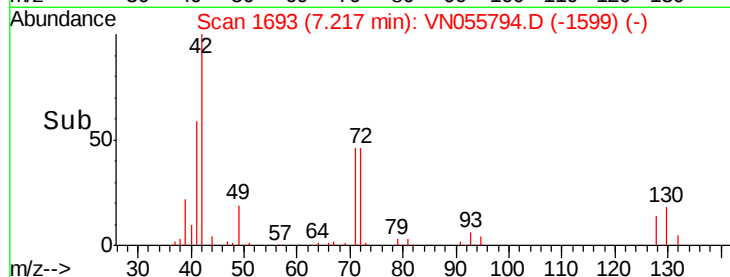
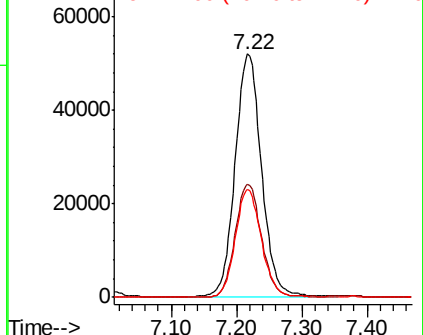
71 43.4 34.0 51.0



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: 19.372 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055794.D

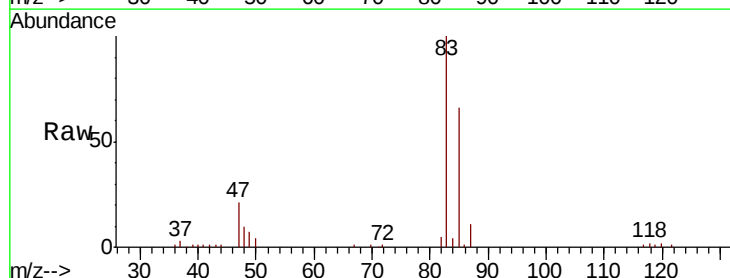
Acq: 24 May 2019 14:27

Tgt Ion: 83 Resp: 118832

Ion Ratio Lower Upper

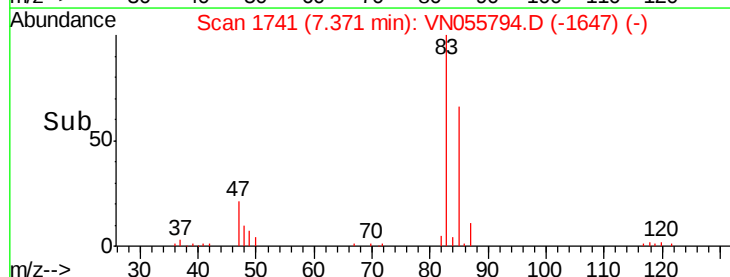
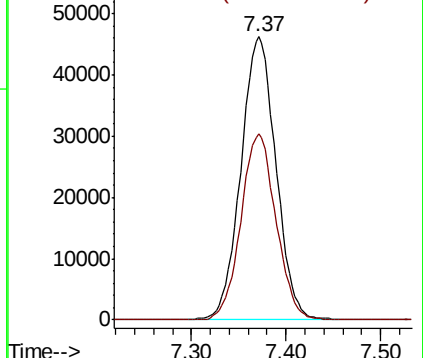
83 100

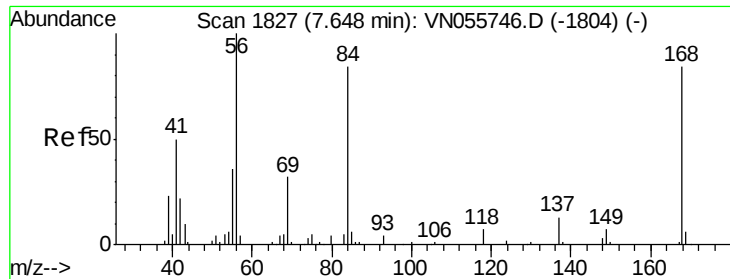
85 65.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

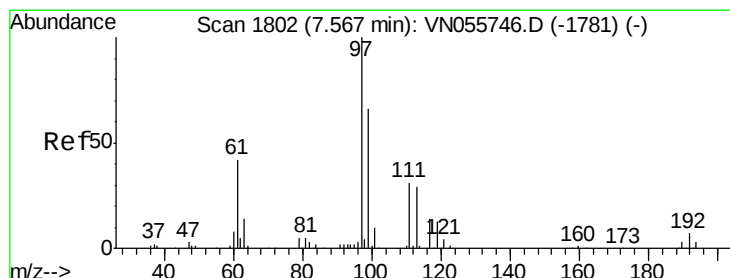
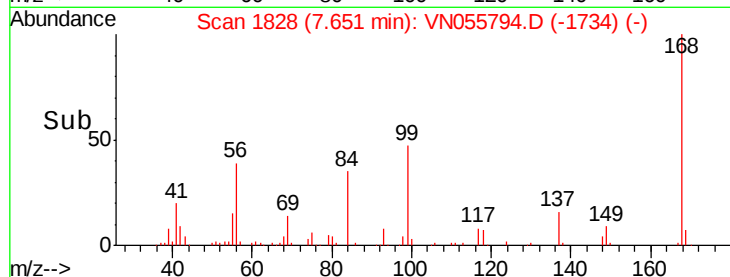
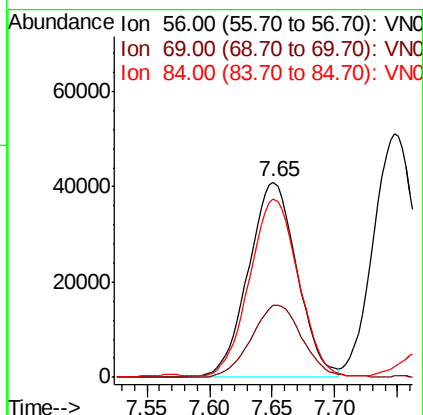
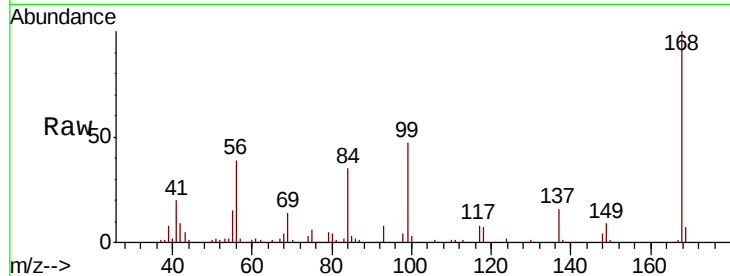




#31
Cyclohexane
Concen: 19.184 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

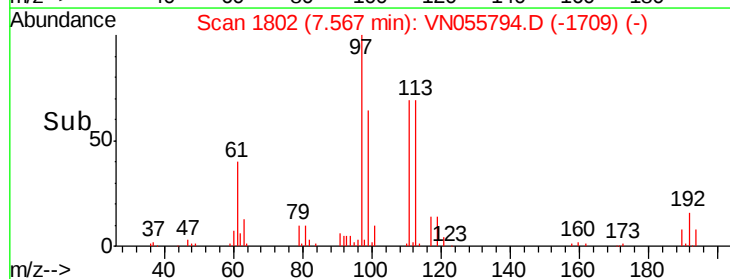
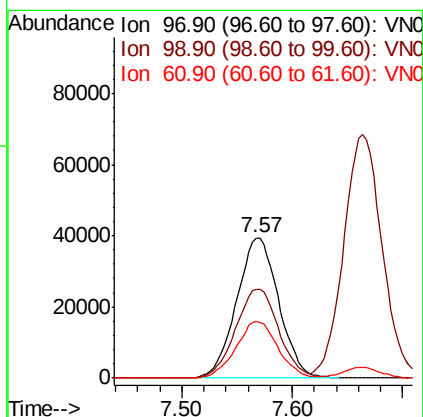
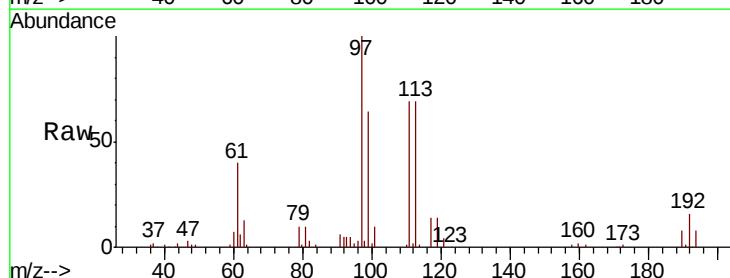
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

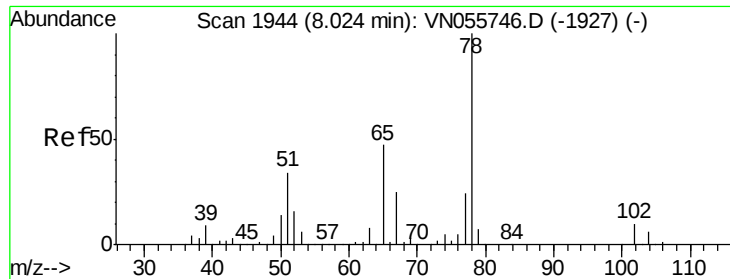
Tot Ion: 56 Resp: 110785
Ion Ratio Lower Upper
56 100
69 36.8 25.6 38.4
84 90.1 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 19.036 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 97 Resp: 104203
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 40.5 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 49.281 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

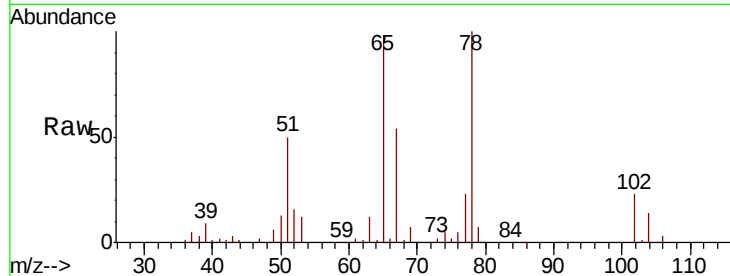
VN0524MBSD01

Tot Ion: 65 Resp: 189610

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055794.D (-1851) (-)

Ion 66.90 (66.60 to 67.60): VN055794.D (-1851) (-)

8.03

80000

60000

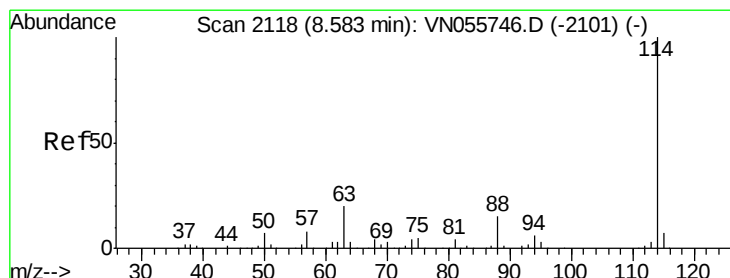
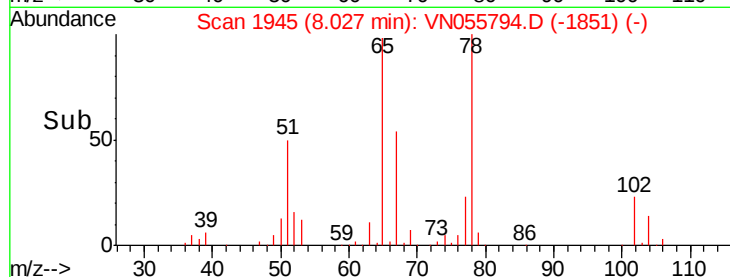
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

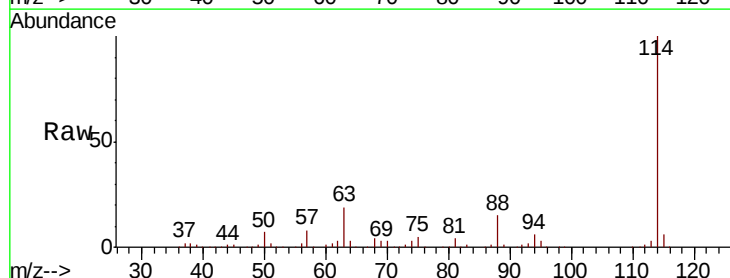
Tgt Ion: 114 Resp: 535420

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055794.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055794.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055794.D (-2025) (-)

8.59

300000

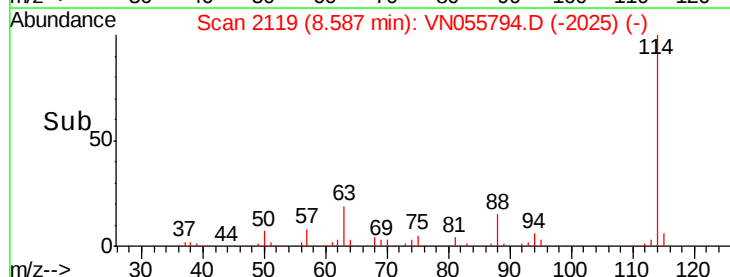
200000

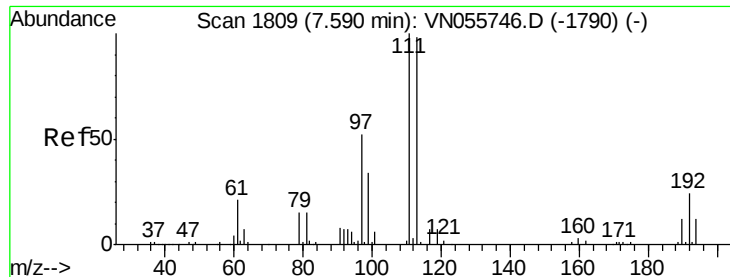
100000

0

8.50 8.60 8.70 8.80

Time-->

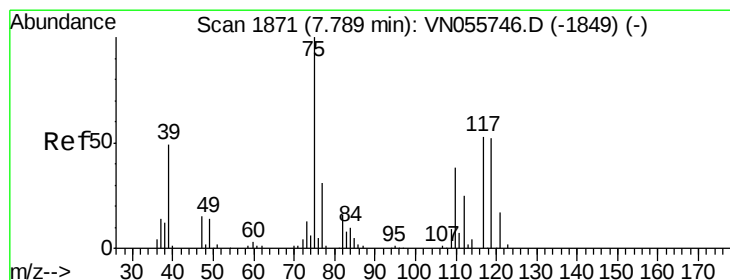
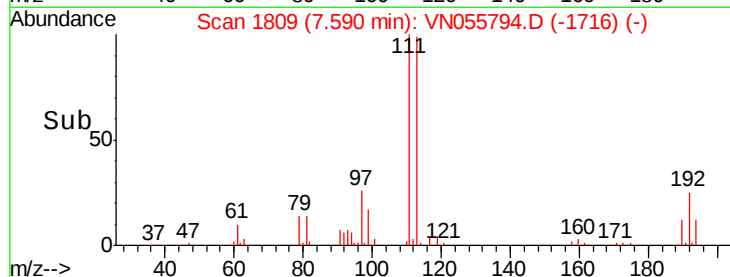
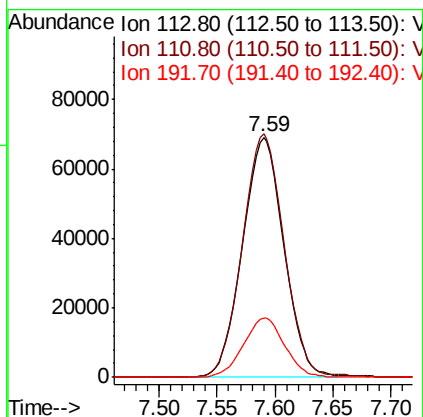
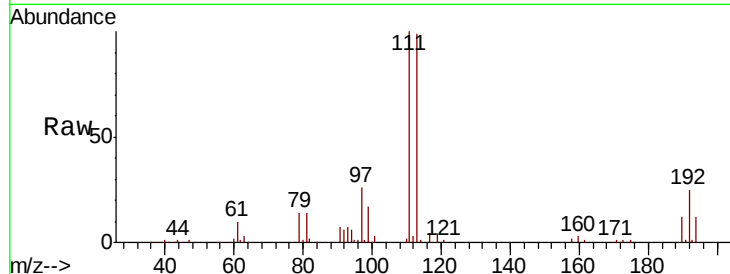




#35
 Dibromofluoromethane
 Concen: 50.771 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

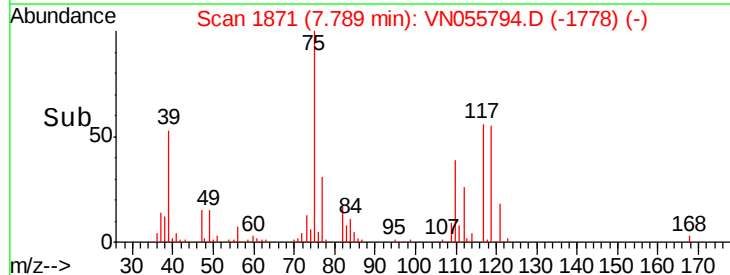
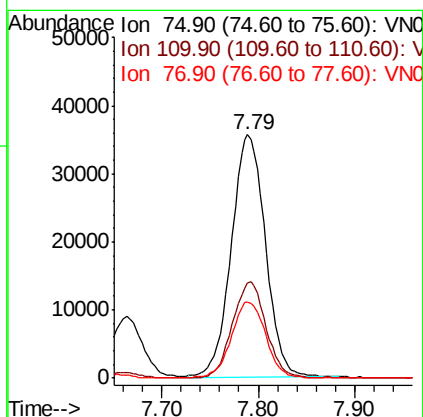
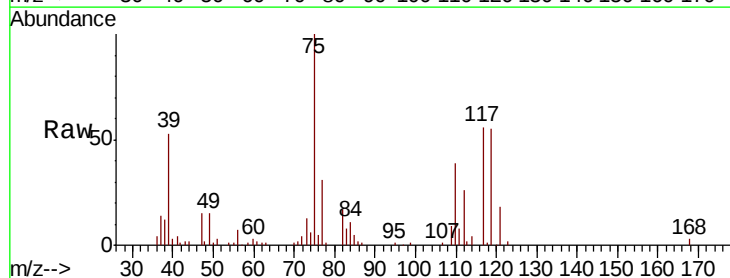
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

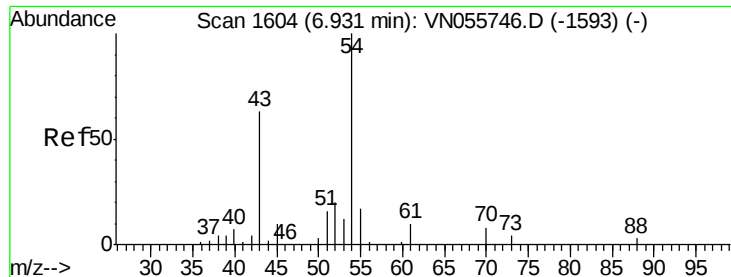
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	24.7	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 18.707 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.0	57.0
77	31.7	25.1	37.7

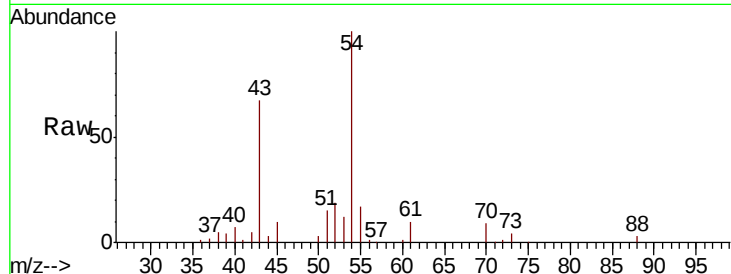




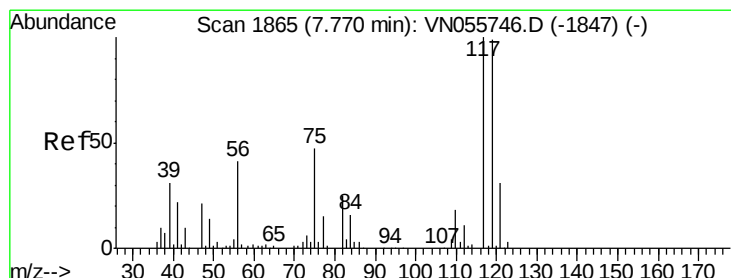
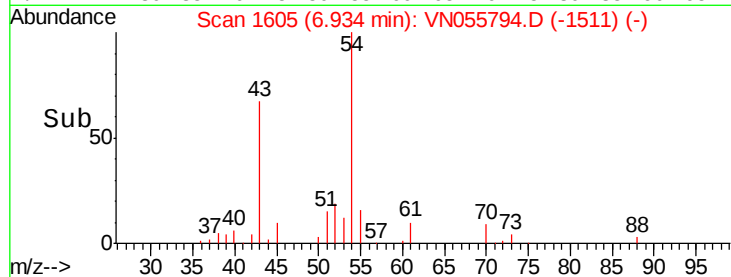
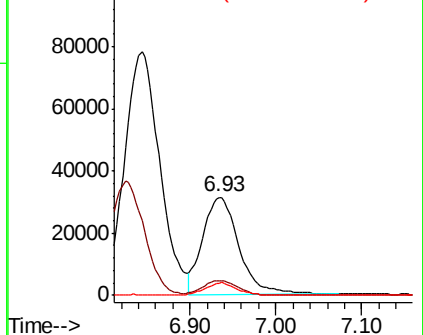
#37
Ethyl Acetate
Concen: 20.281 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleID :
VN0524MBSD01

Tot Ion: 43 Resp: 91459
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 11.4 8.9 13.3

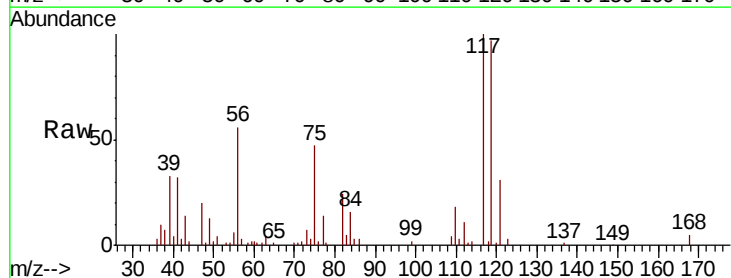


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

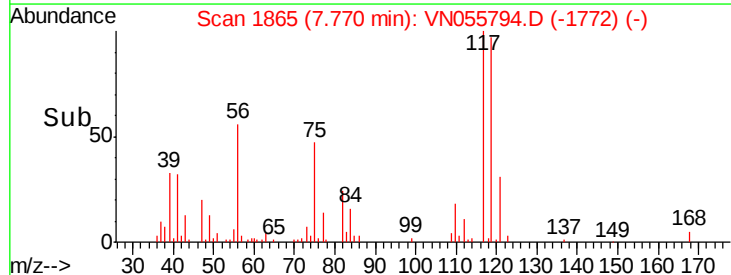
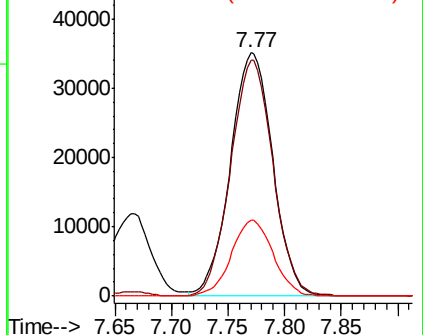


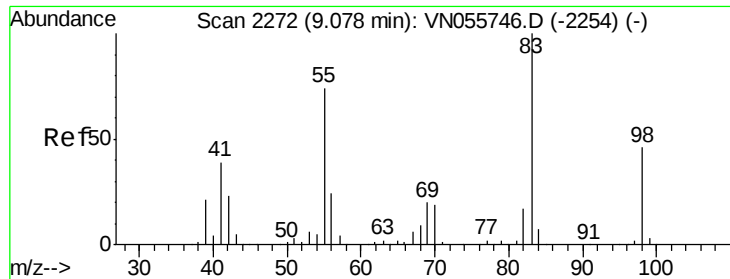
#38
Carbon Tetrachloride
Concen: 18.885 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 117 Resp: 91784
Ion Ratio Lower Upper
117 100
119 96.8 79.0 118.6
121 31.2 24.7 37.1



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

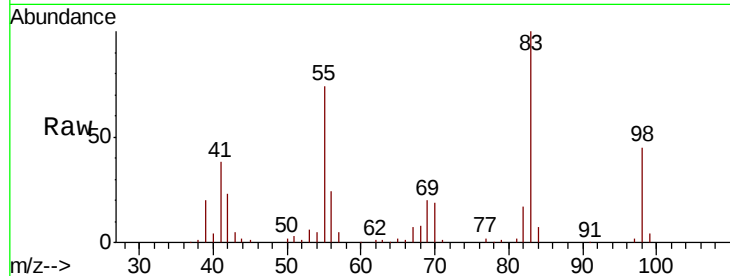




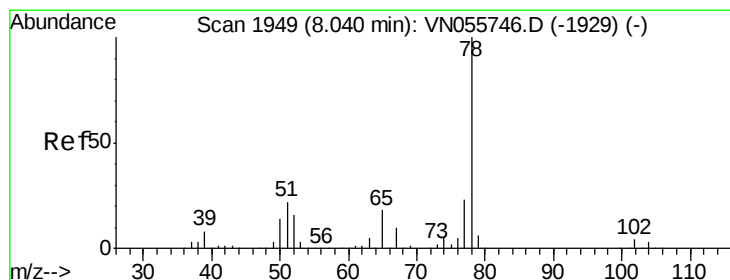
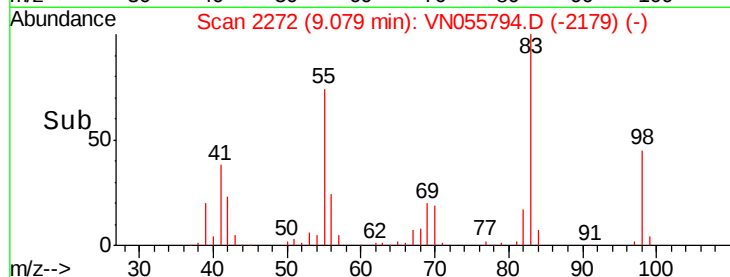
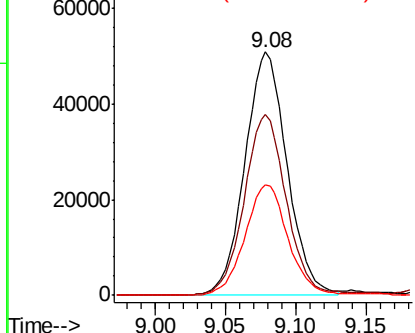
#39
Methvlcvclohexane
Concen: 18.438 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion: 83 Resp: 106532
Ion Ratio Lower Upper
83 100
55 74.2 59.3 88.9
98 45.3 36.6 54.8

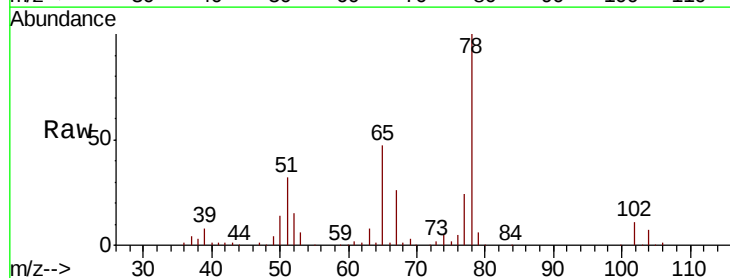


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

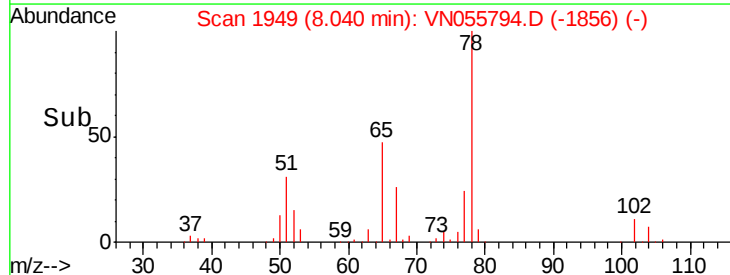
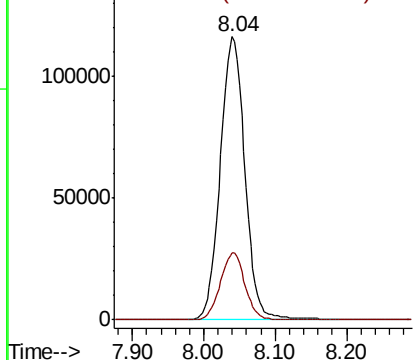


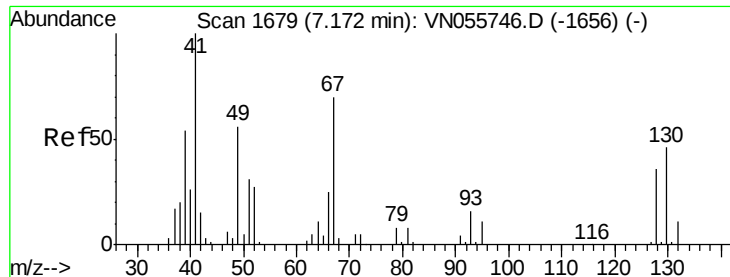
#40
Benzene
Concen: 19.861 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 78 Resp: 279293
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

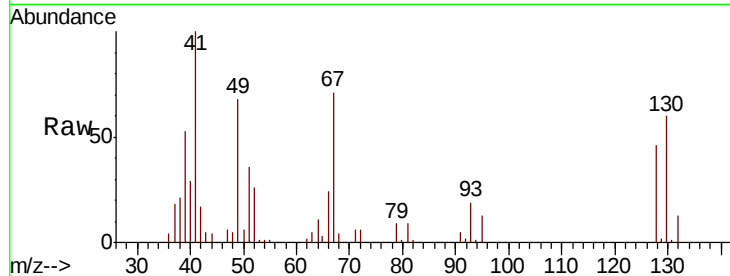




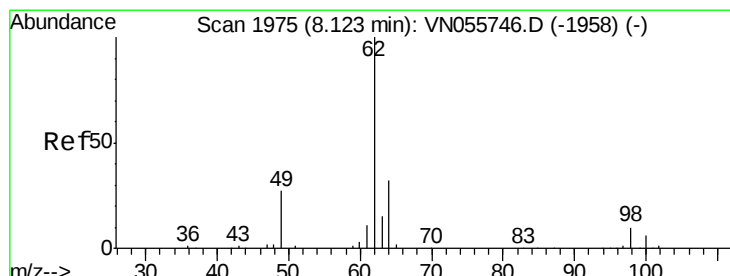
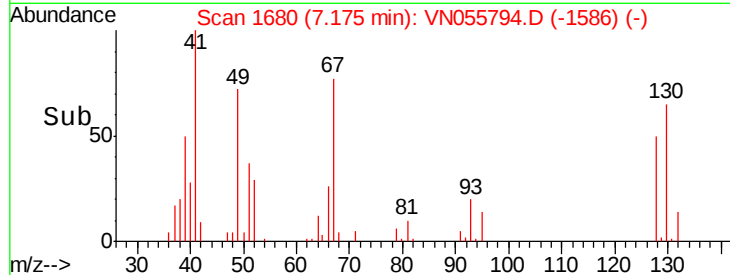
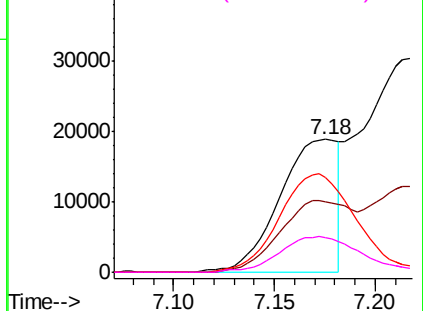
#41
Methacrylonitrile
Concen: 16.601 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

Tot Ion:	41	Resp:	37823
Ion	Ratio	Lower	Upper
41	100		
39	66.6	45.6	68.4
67	99.2	67.7	101.5
52	38.2	26.6	40.0

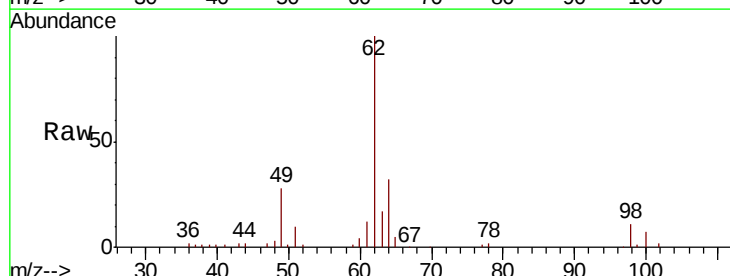


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

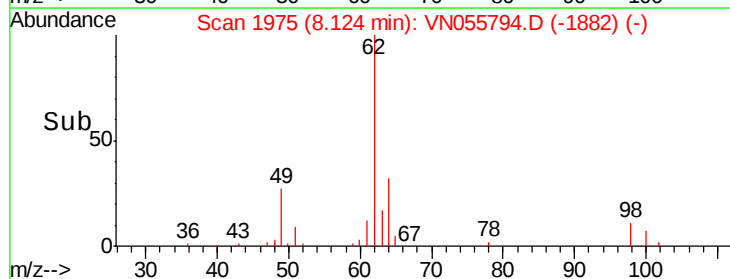
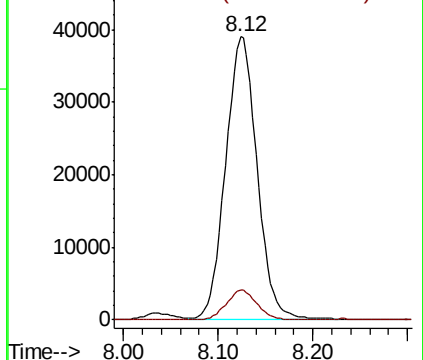


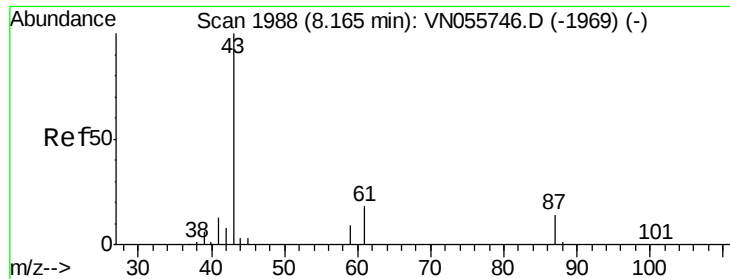
#42
1,2-Dichloroethane
Concen: 19.679 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:	62	Resp:	90424
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 19.184 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

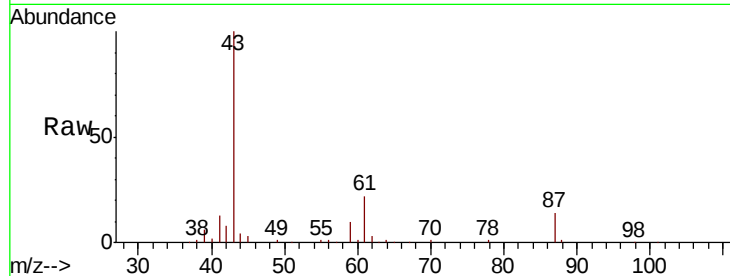
Tot Ion: 43 Resp: 145359

Ion Ratio Lower Upper

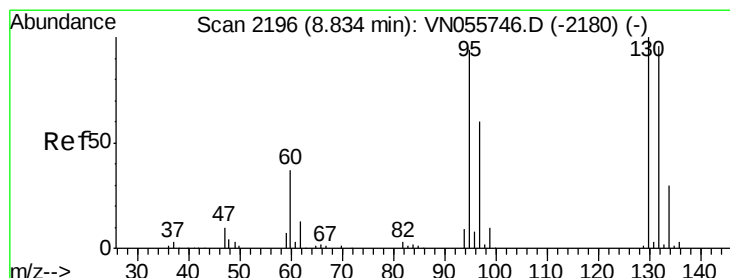
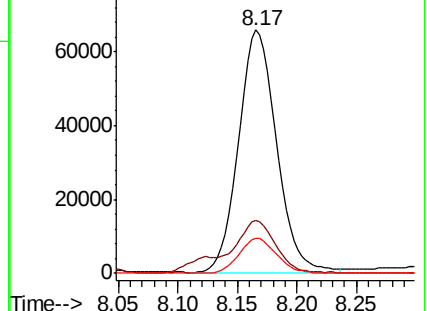
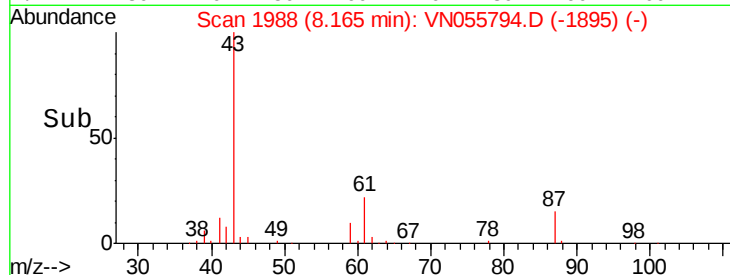
43 100

61 21.1 22.2 33.4#

87 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055794.D (-1895) (-)



#44

Trichloroethene

Concen: 20.139 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055794.D

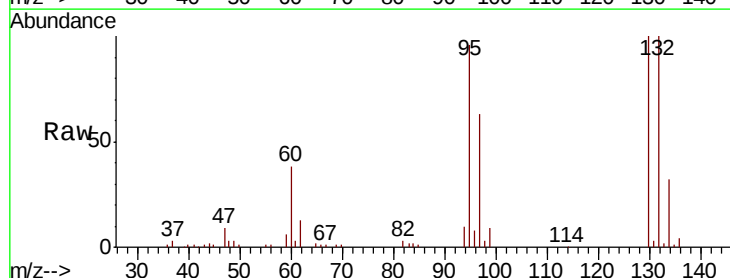
Acq: 24 May 2019 14:27

Tgt Ion:130 Resp: 78951

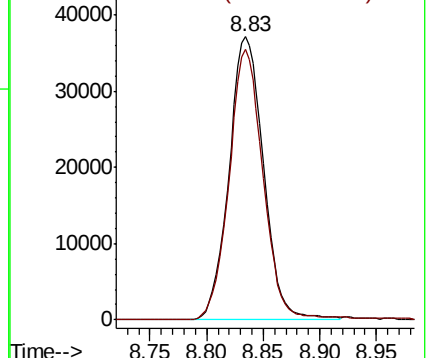
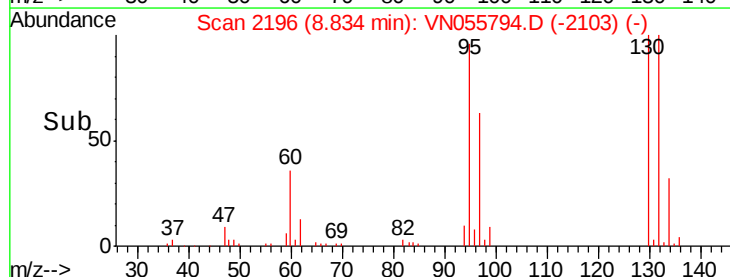
Ion Ratio Lower Upper

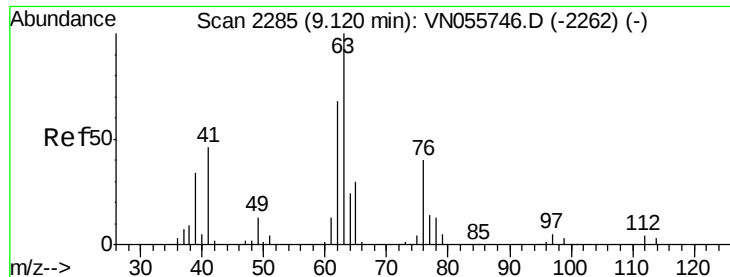
130 100

95 95.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055794.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.661 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

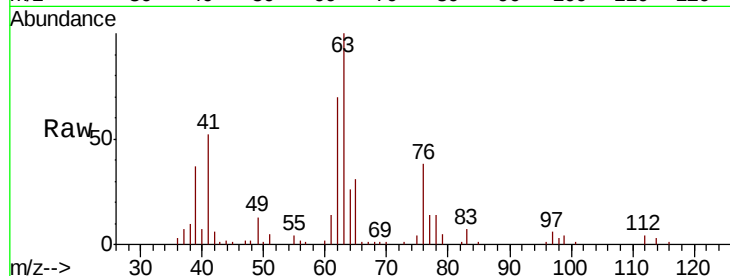
VN0524MBSD01

Tot Ion: 63 Resp: 72034

Ion Ratio Lower Upper

63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055794.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055794.D (-2262) (-)

9.12

30000

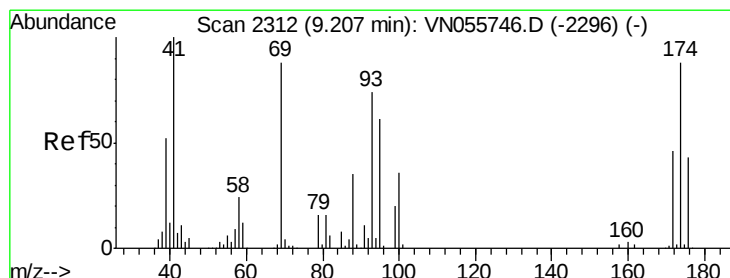
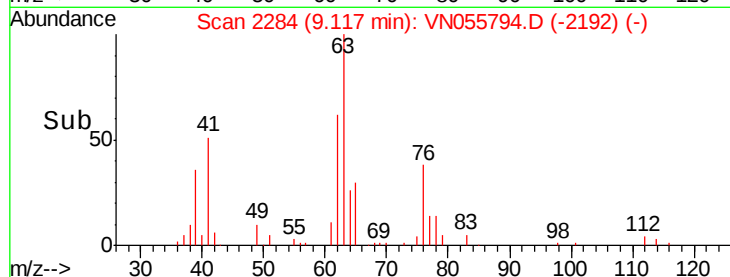
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.660 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

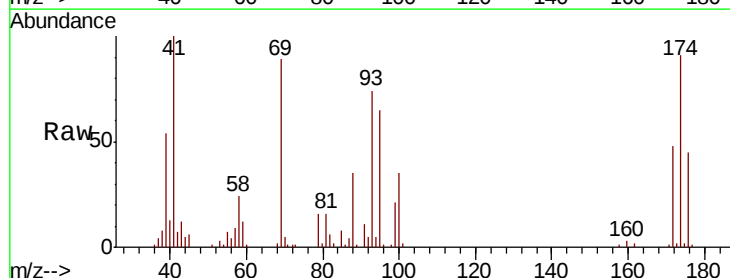
Tgt Ion: 93 Resp: 47238

Ion Ratio Lower Upper

93 100

95 87.1 66.7 100.1

174 125.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055794.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055794.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055794.D (-2296) (-)

9.21

30000

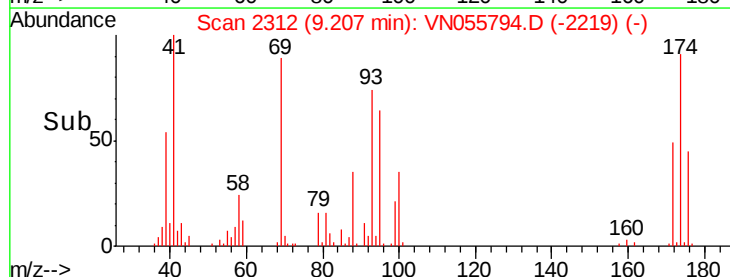
20000

10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 18.909 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

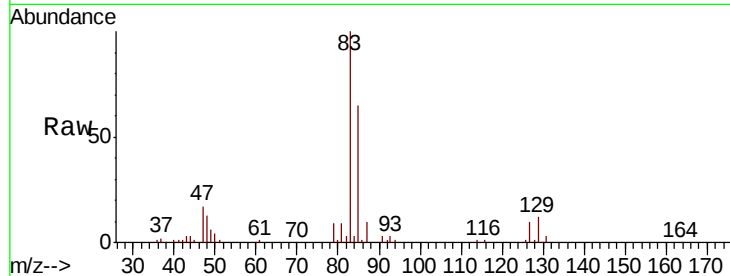
Tot Ion: 83 Resp: 93165

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.2

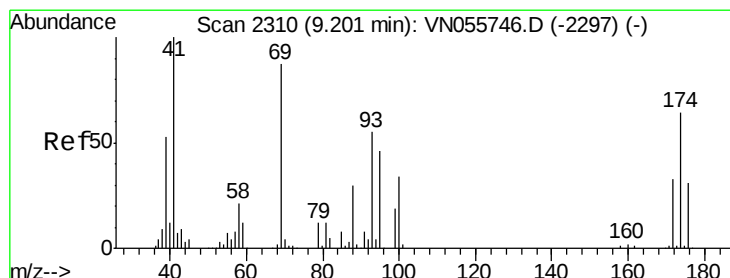
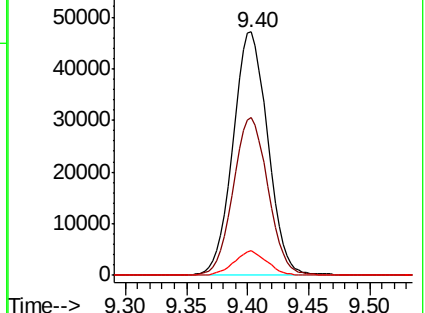
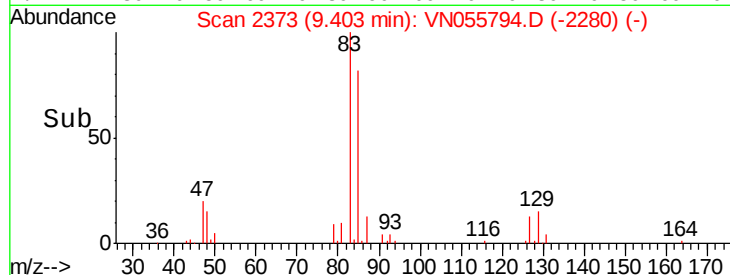
127 9.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055794.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055794.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055794.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.060 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

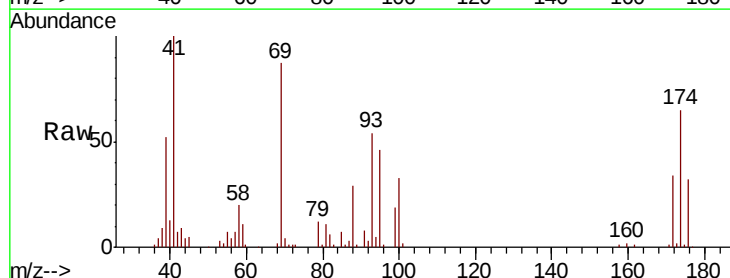
Tgt Ion: 41 Resp: 70051

Ion Ratio Lower Upper

41 100

69 91.8 71.0 106.6

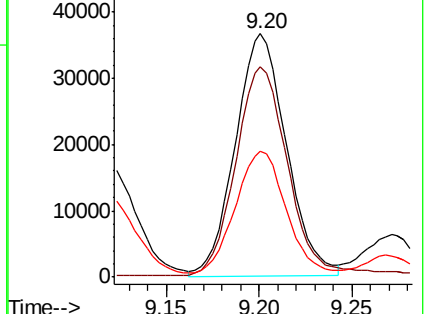
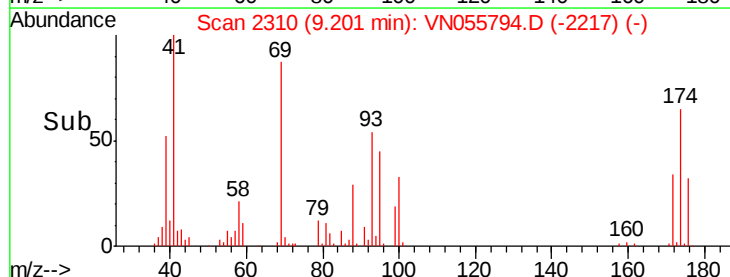
39 52.4 44.2 66.2

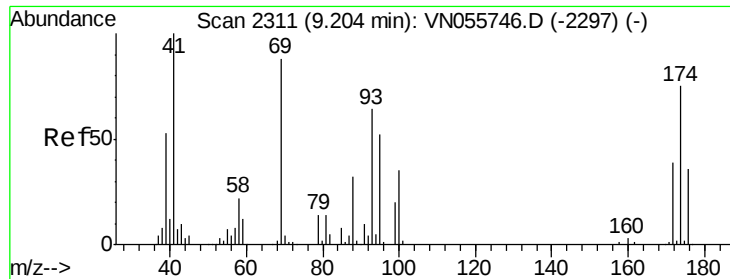


Abundance Ion 41.00 (40.70 to 41.70): VN055794.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055794.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055794.D (-2217) (-)





#49

1,4-Dioxane

Concen: 404.422 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

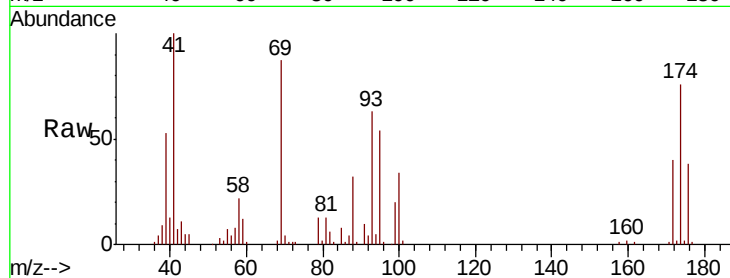
Tot Ion: 88 Resp: 29348

Ion Ratio Lower Upper

88 100

43 22.6 20.5 30.7

58 62.2 55.8 83.6

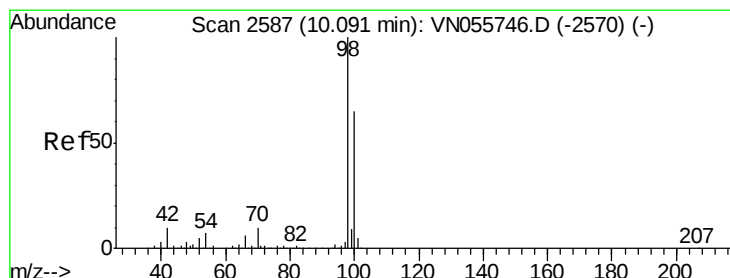
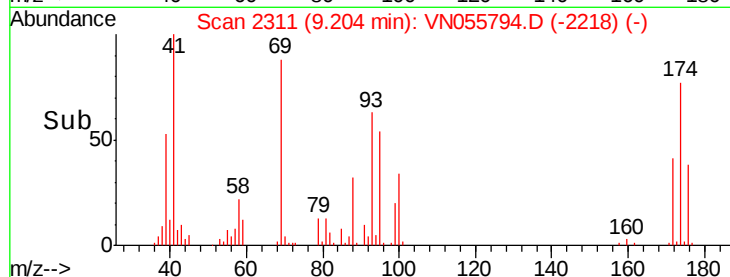
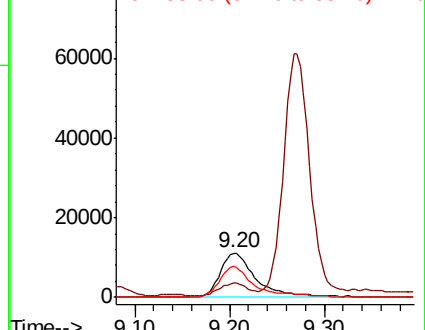


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.265 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055794.D

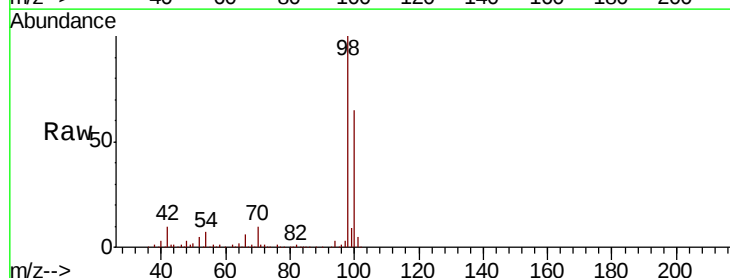
Acq: 24 May 2019 14:27

Tgt Ion: 98 Resp: 652685

Ion Ratio Lower Upper

98 100

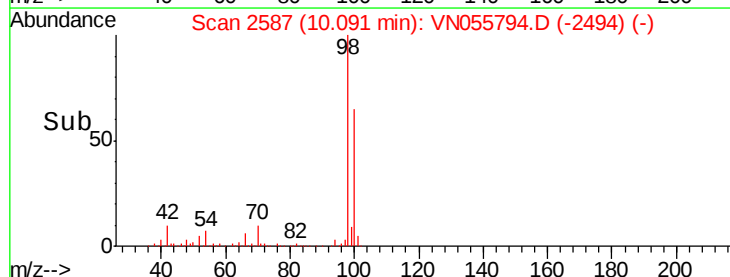
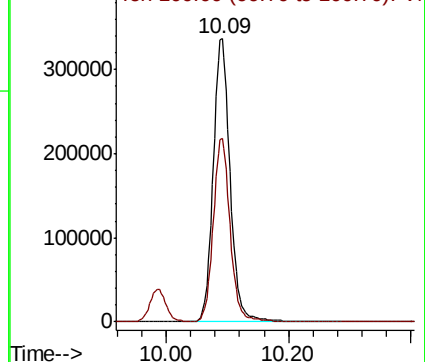
100 64.1 51.9 77.9

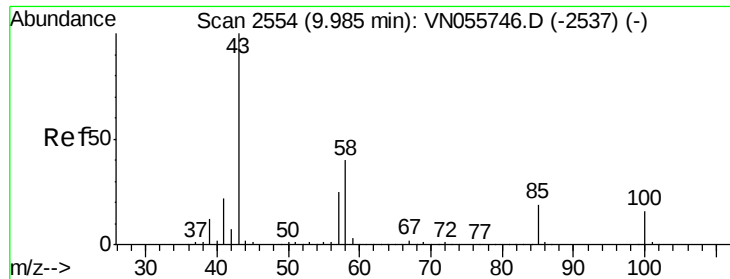


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.998 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleID :

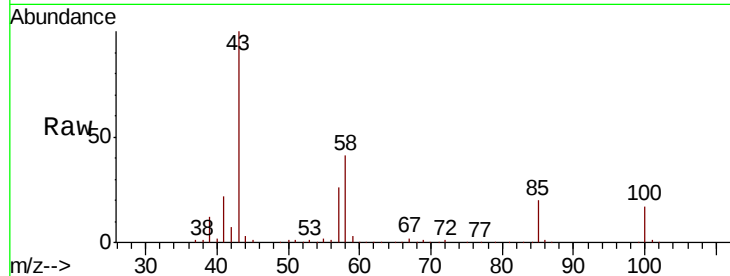
VN0524MBSD01

Tot Ion: 43 Resp: 443015

Ion Ratio Lower Upper

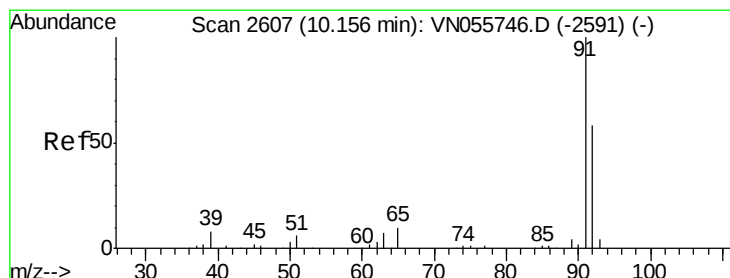
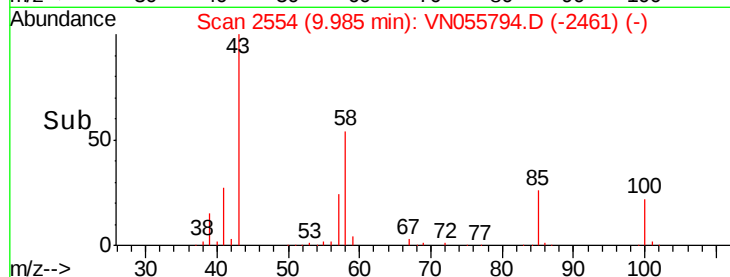
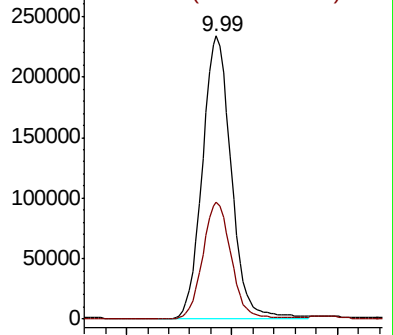
43 100

58 41.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.283 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055794.D

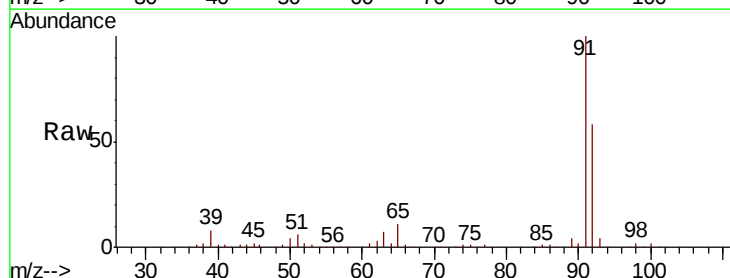
Acq: 24 May 2019 14:27

Tgt Ion: 92 Resp: 179386

Ion Ratio Lower Upper

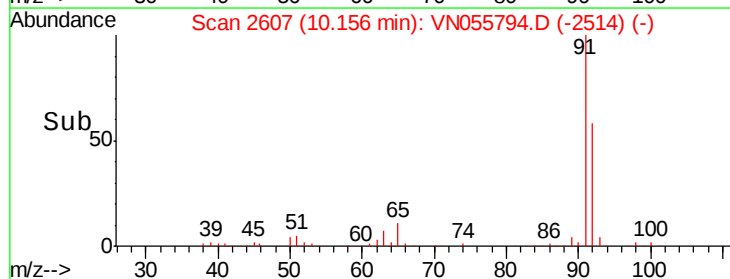
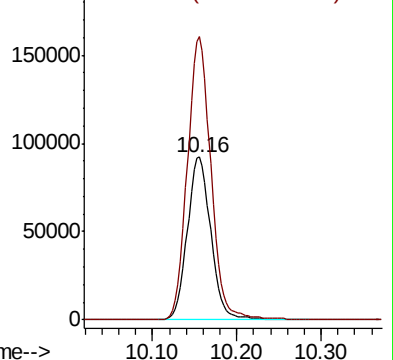
92 100

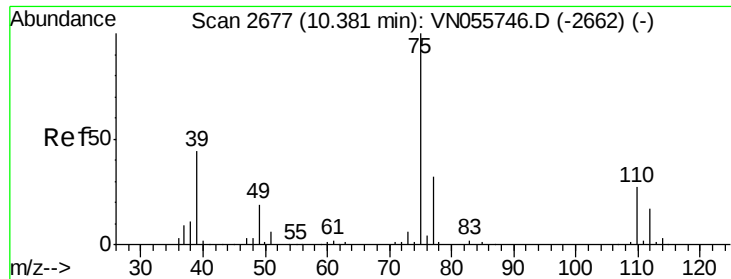
91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.922 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

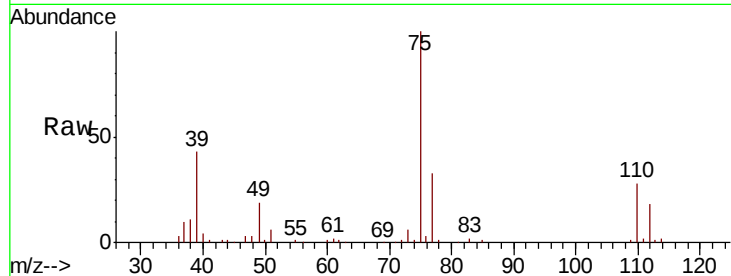
VN0524MBSD01

Tot Ion: 75 Resp: 99514

Ion Ratio Lower Upper

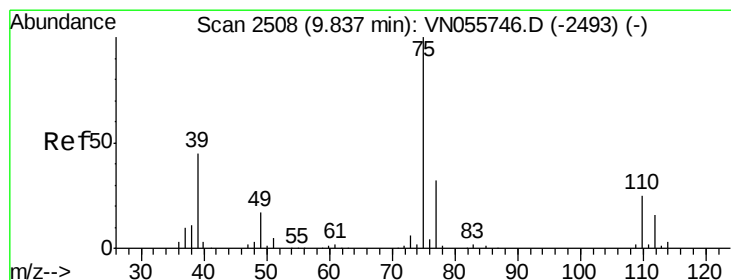
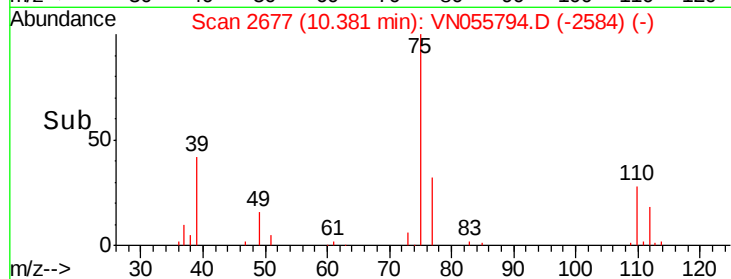
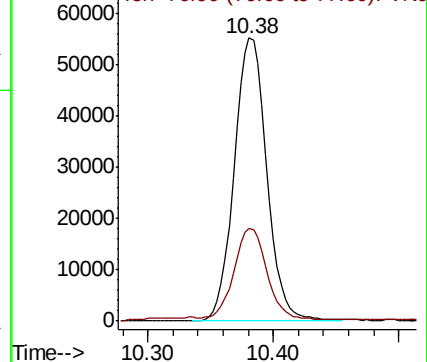
75 100

77 32.3 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.514 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

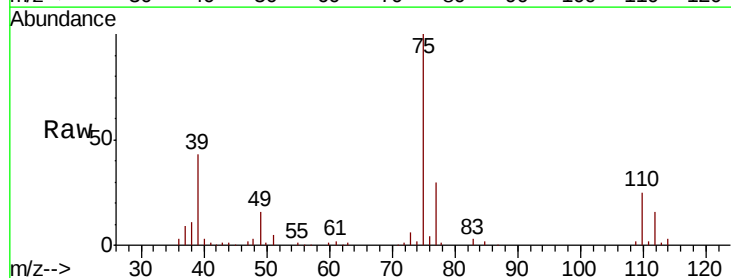
Tgt Ion: 75 Resp: 113693

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

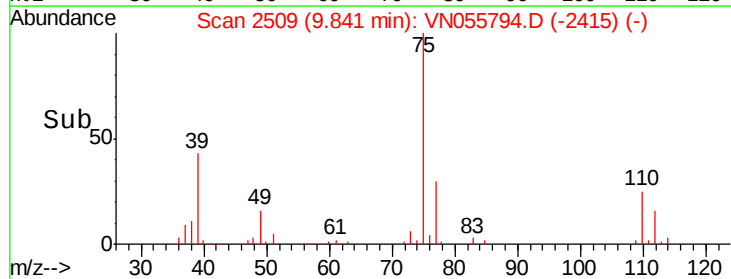
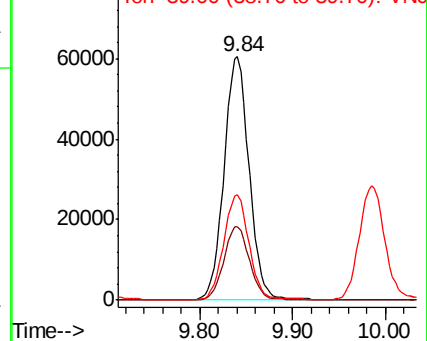
39 43.4 36.3 54.5

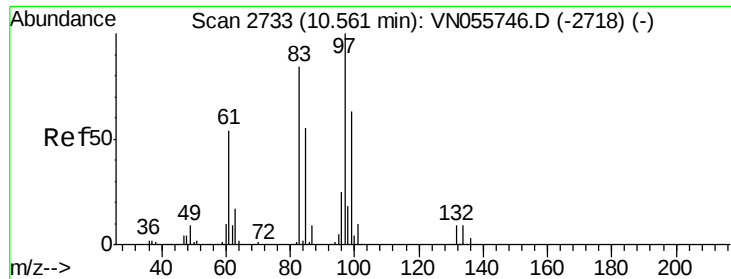


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.190 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

Tot Ion: 97 Resp: 71536

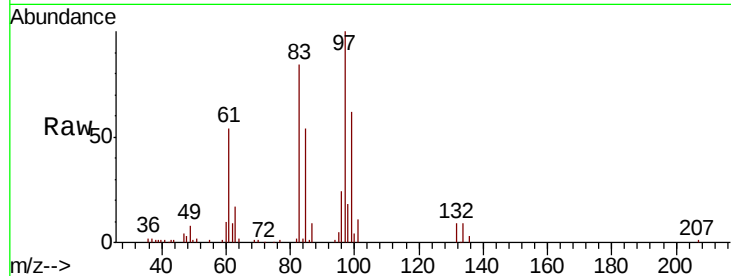
Ion Ratio Lower Upper

97 100

83 84.2 67.0 100.6

85 53.9 44.0 66.0

99 62.3 50.6 75.8

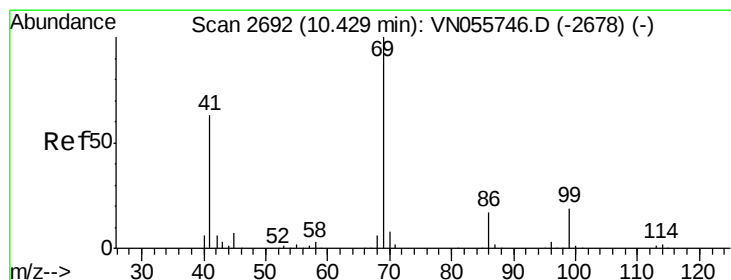
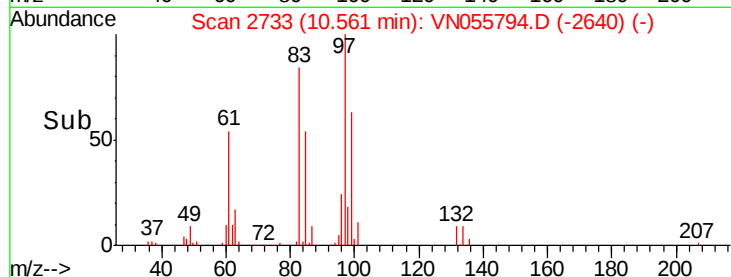
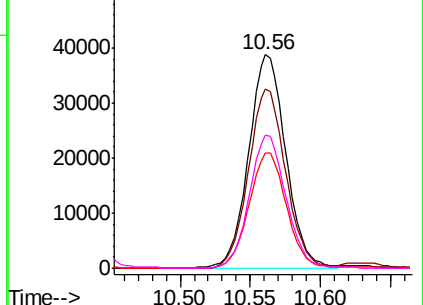


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.996 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

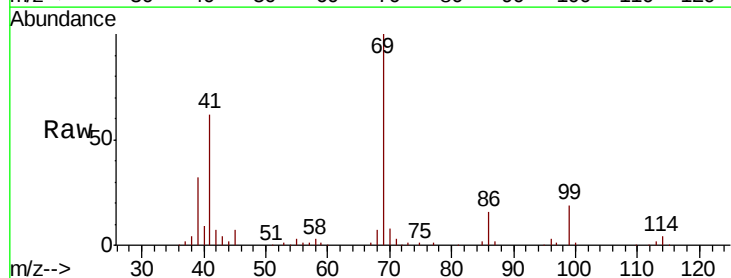
Tgt Ion: 69 Resp: 109491

Ion Ratio Lower Upper

69 100

41 60.9 49.7 74.5

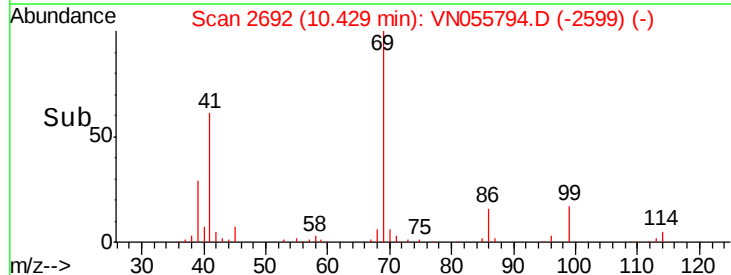
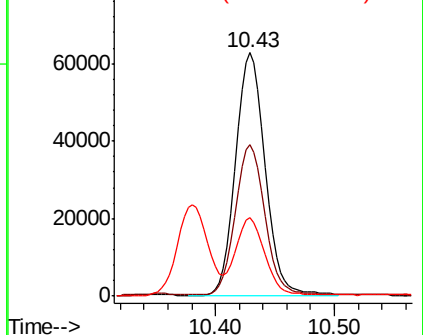
39 30.8 24.7 37.1

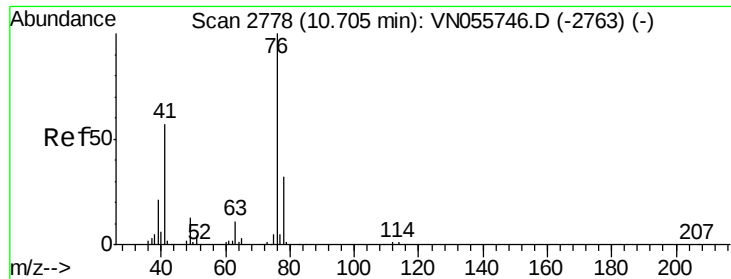


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

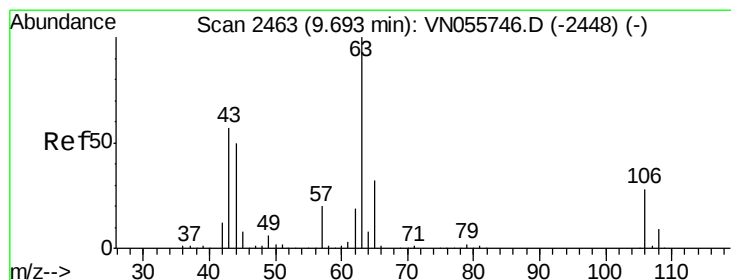
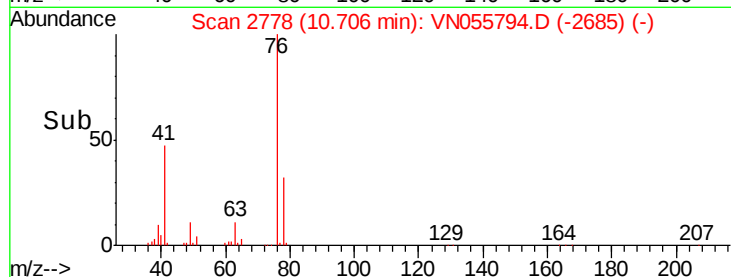
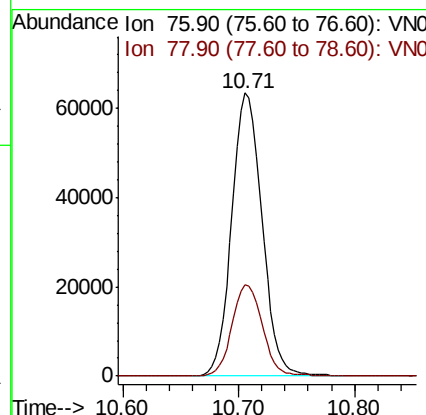
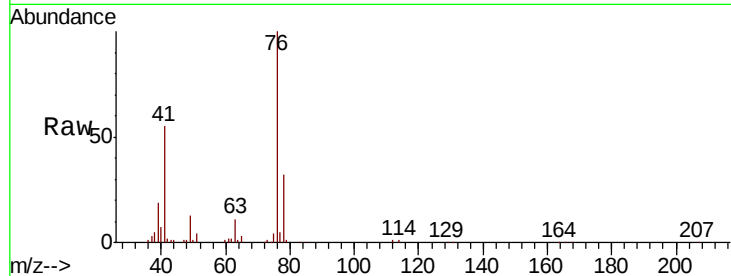




#57
 1,3-Dichloropropane
 Concen: 20.047 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

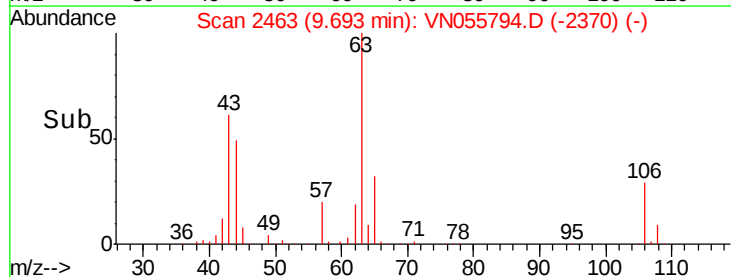
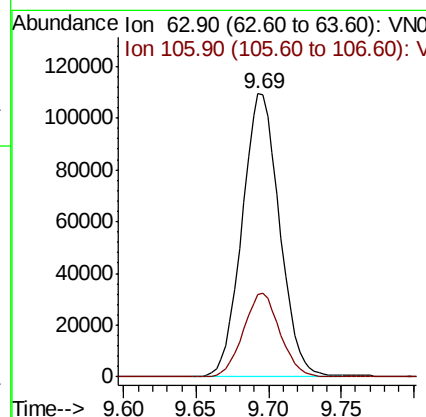
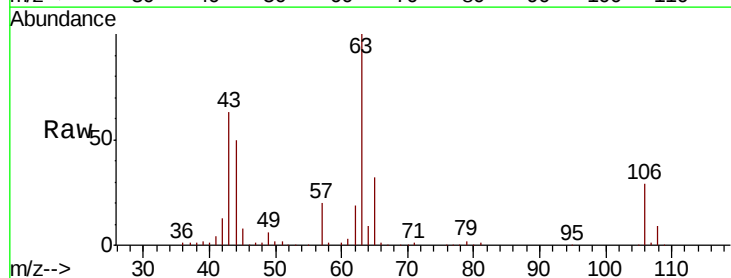
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

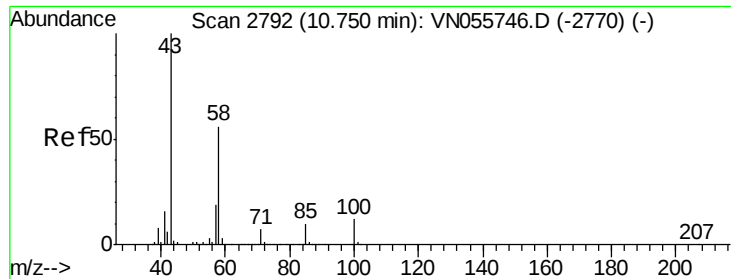
Tot Ion: 76 Resp: 115456
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.080 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 63 Resp: 196872
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.7 34.1

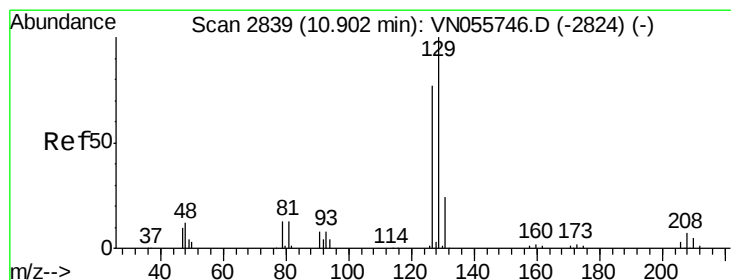
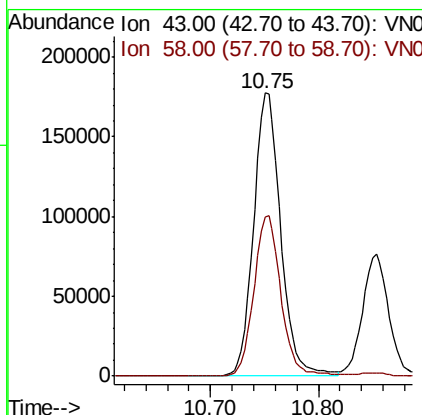
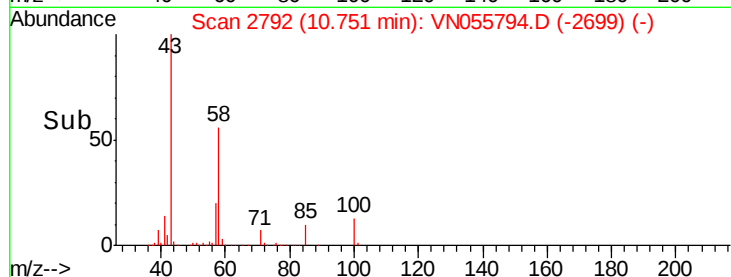
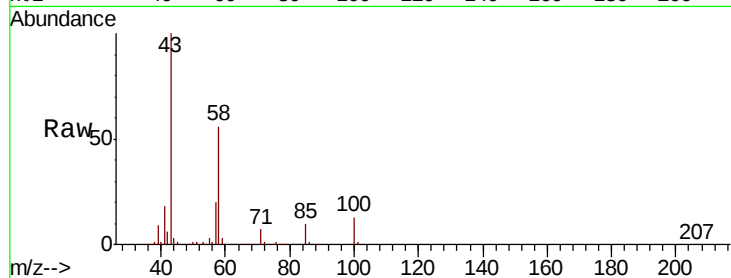




#59
2-Hexanone
Concen: 97.093 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

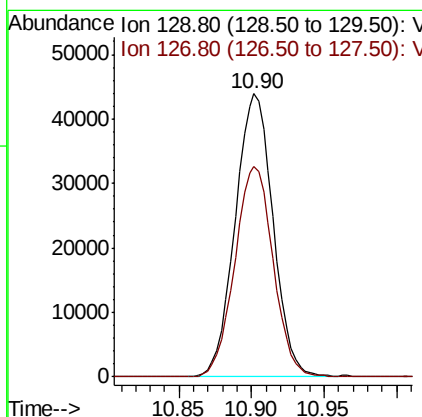
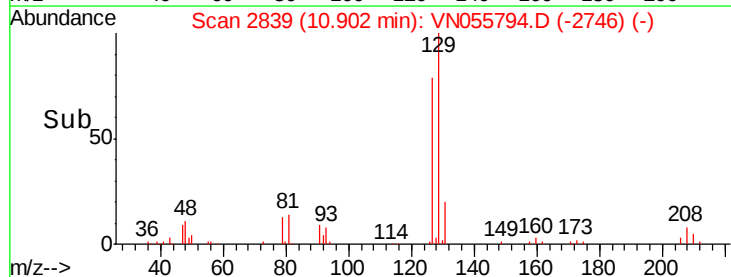
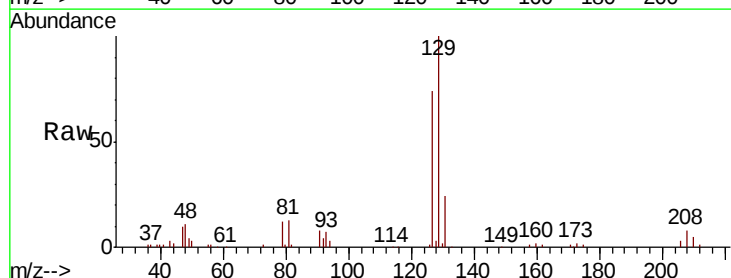
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

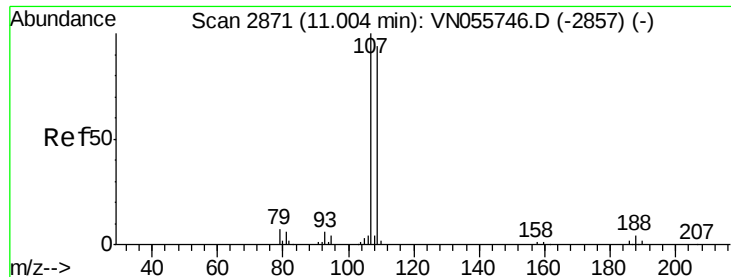
Tot Ion: 43 Resp: 308230
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7



#60
Dibromochloromethane
Concen: 19.301 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 129 Resp: 79666
Ion Ratio Lower Upper
129 100
127 75.1 38.1 114.3

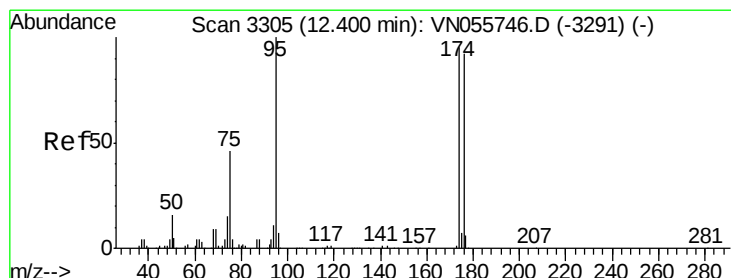
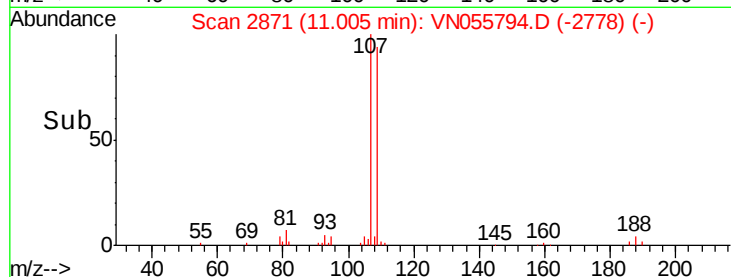
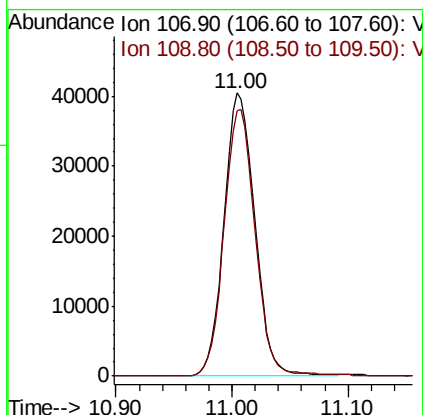
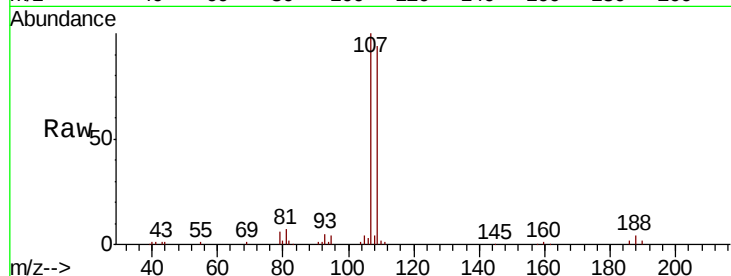




#61
 1,2-Dibromoethane
 Concen: 20.258 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

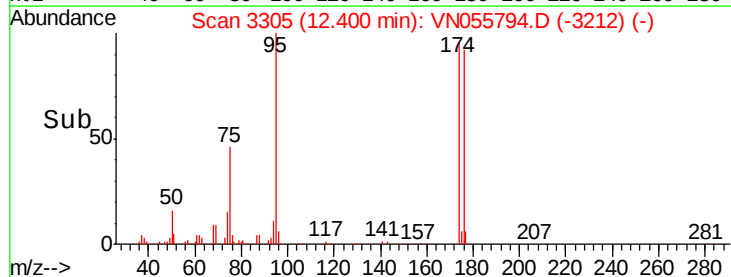
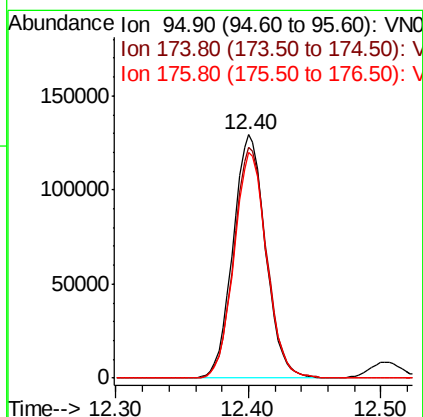
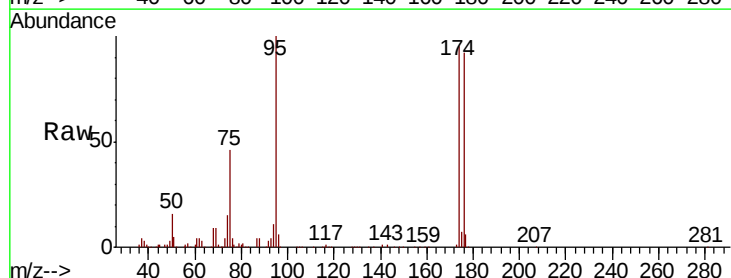
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

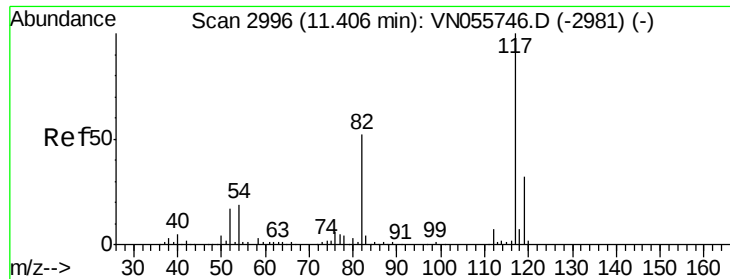
Tot Ion:107 Resp: 74448
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.478 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion: 95 Resp: 220295
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 191.0
 176 92.9 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: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

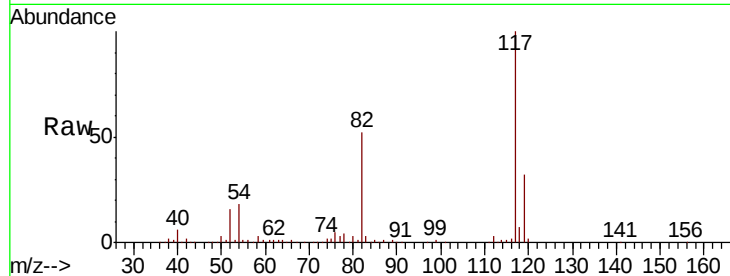
Tot Ion:117 Resp: 475772

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

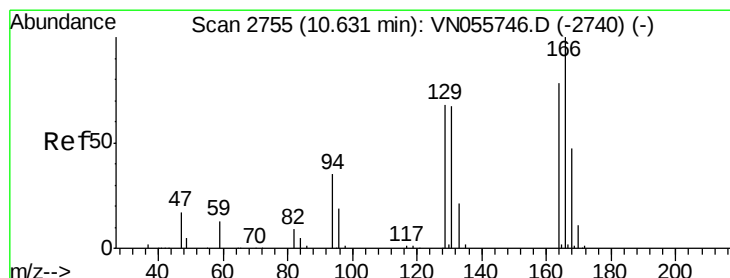
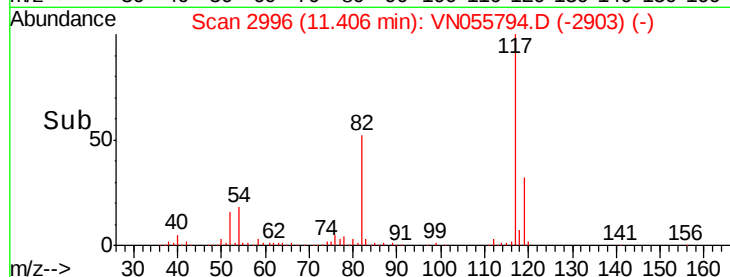
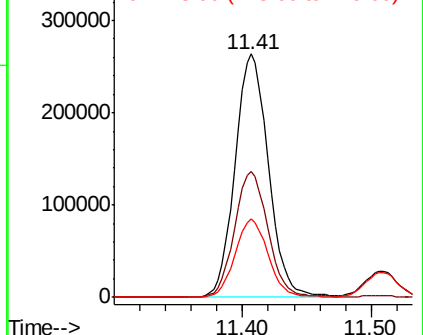
119 32.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.333 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion:164 Resp: 81591

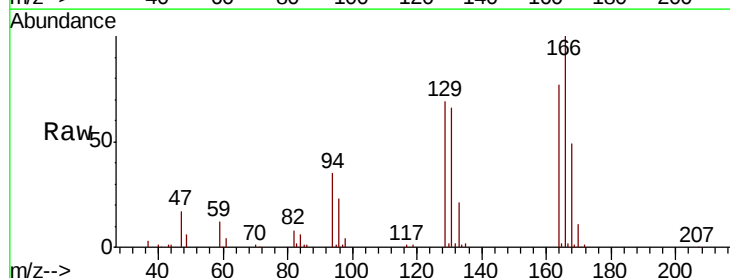
Ion Ratio Lower Upper

164 100

166 130.0 103.0 154.6

129 89.7 70.6 105.8

131 85.5 68.6 102.8

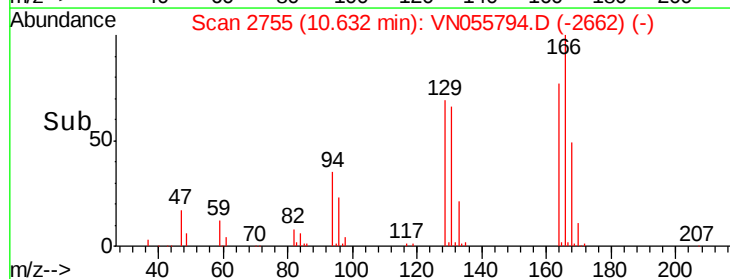
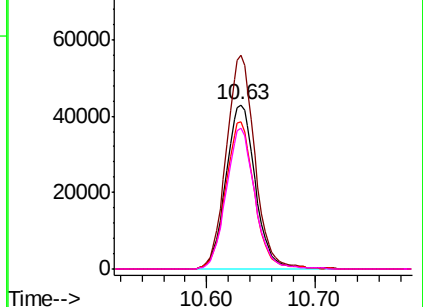


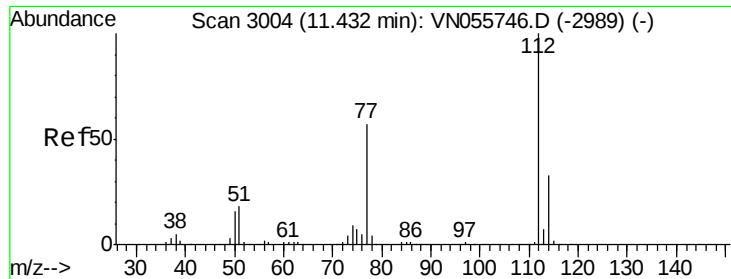
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

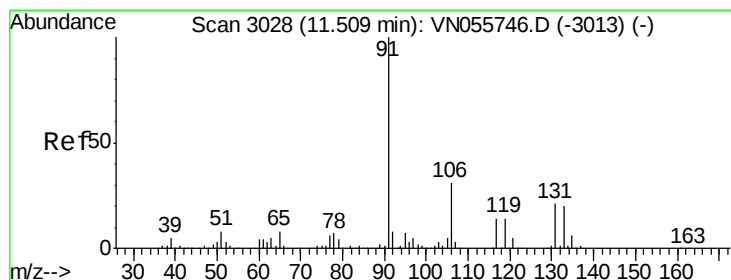
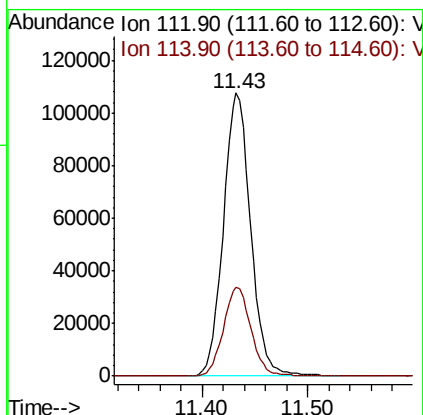
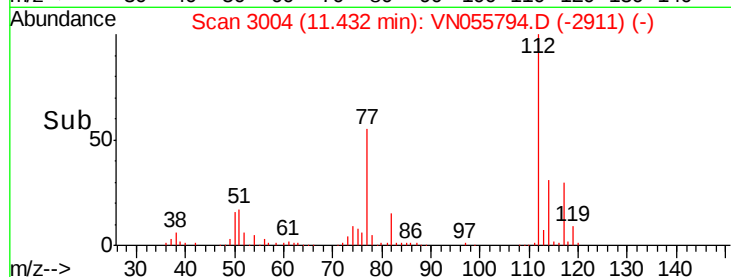
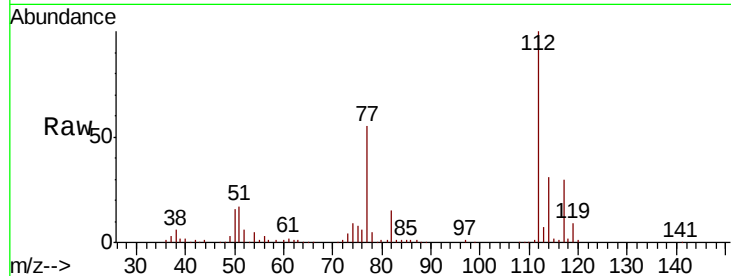




#65
Chlorobenzene
Concen: 20.142 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

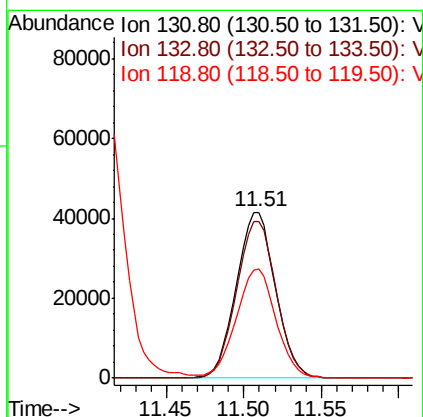
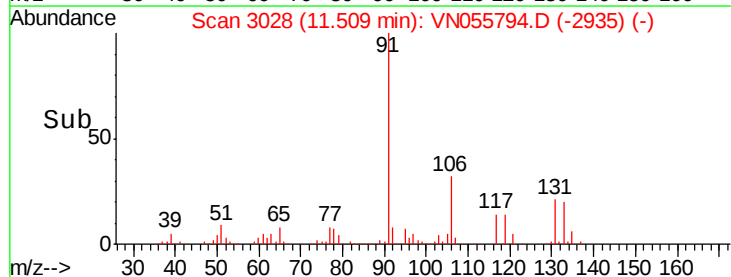
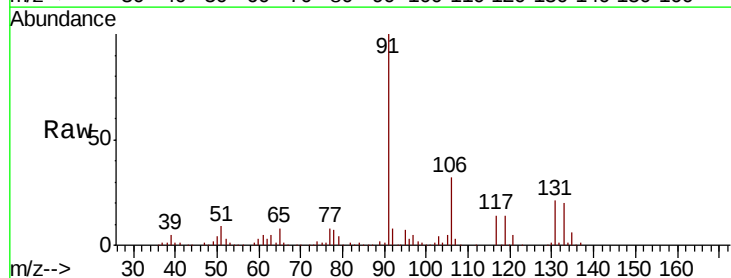
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

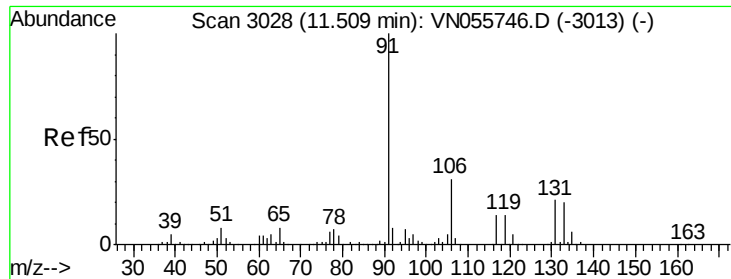
Tot Ion:112 Resp: 191843
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.217 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:131 Resp: 73001
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 67.2 33.1 99.5

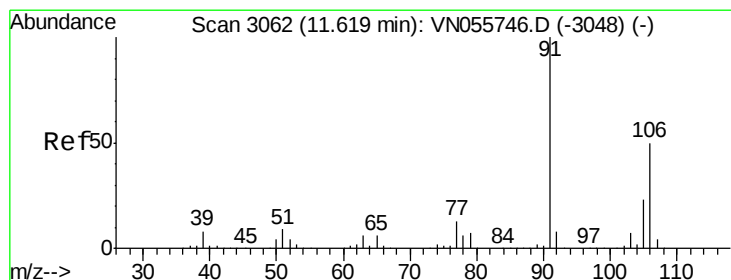
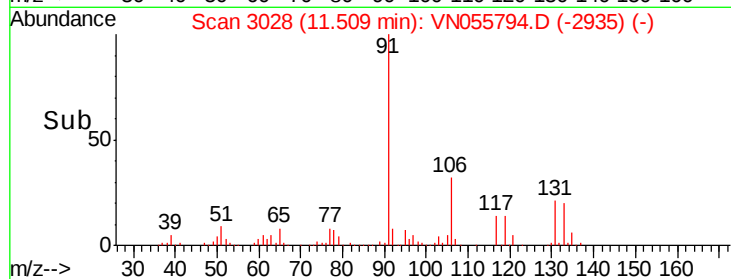
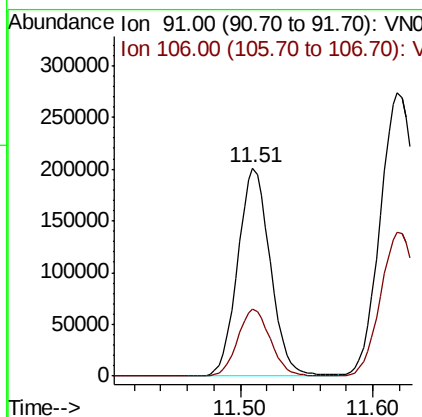
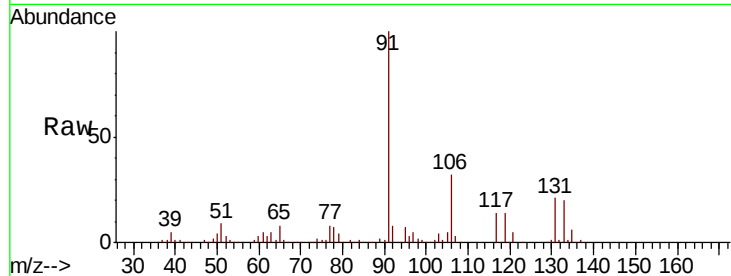




#67
Ethyl Benzene
Concen: 20.120 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

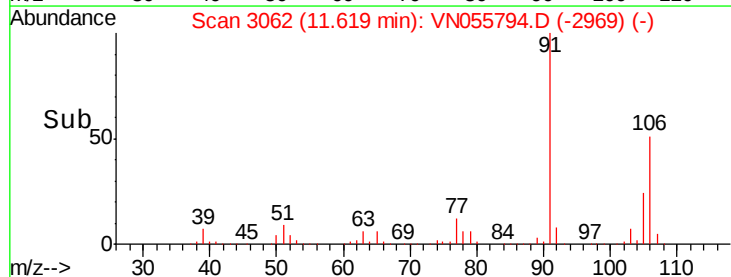
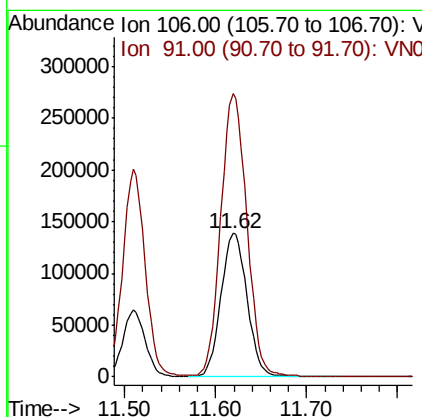
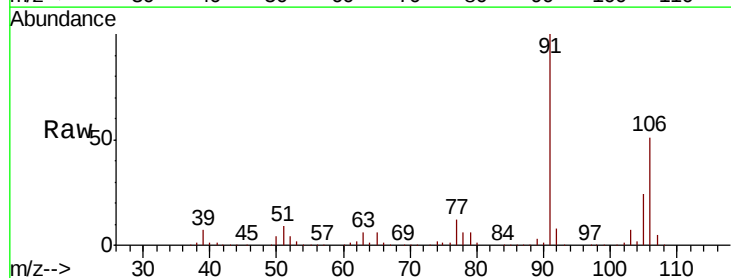
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

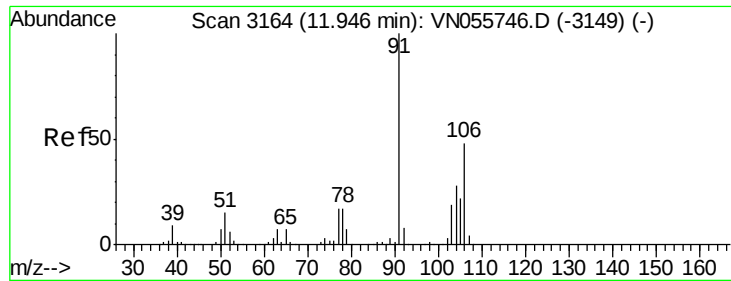
Tot Ion: 91 Resp: 343657
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#68
m/p-Xylenes
Concen: 42.944 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 106 Resp: 277292
Ion Ratio Lower Upper
106 100
91 196.9 159.3 238.9

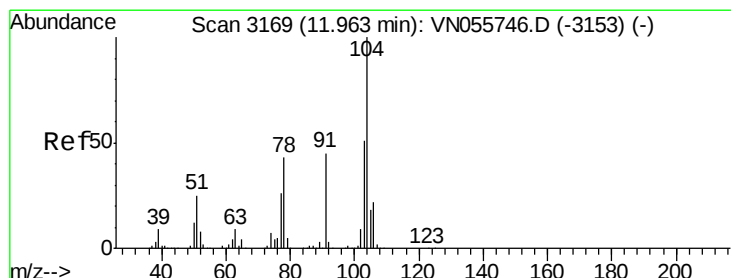
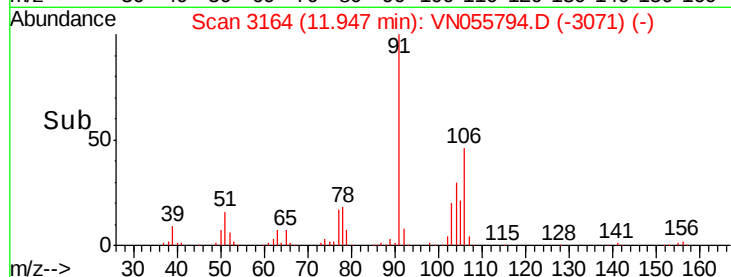
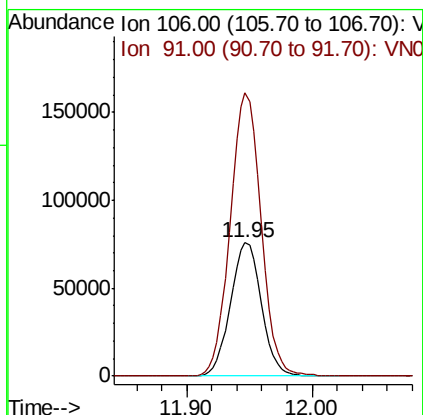
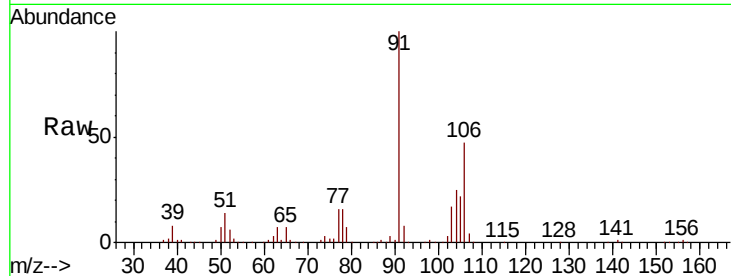




#69
o-Xylene
Concen: 20.311 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

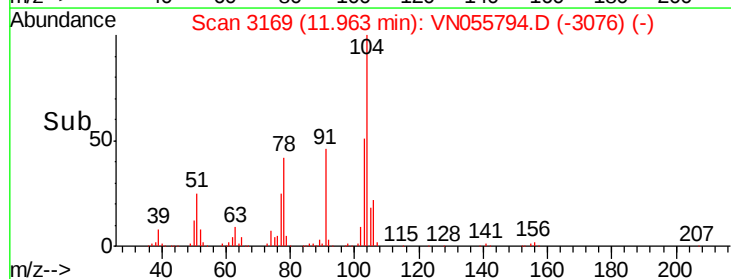
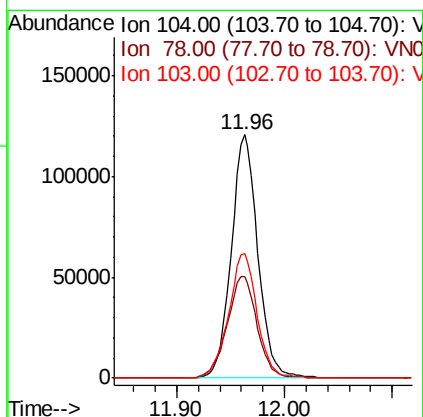
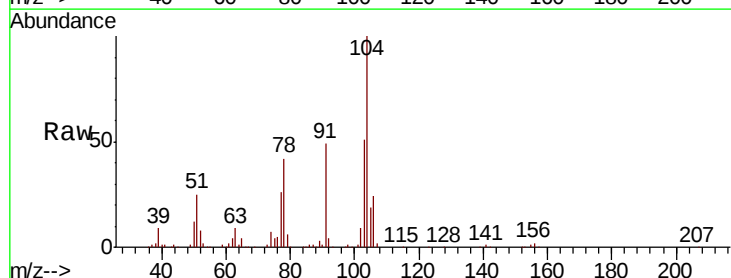
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

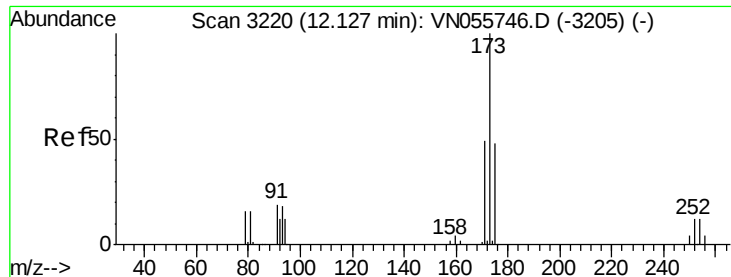
Tot Ion:106 Resp: 130121
Ion Ratio Lower Upper
106 100
91 211.8 104.7 314.1



#70
Styrene
Concen: 19.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:104 Resp: 207353
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.0 44.2 66.2

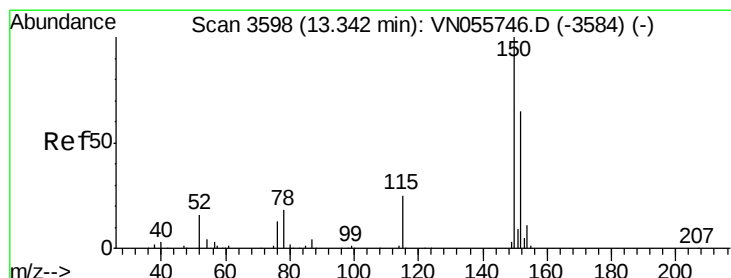
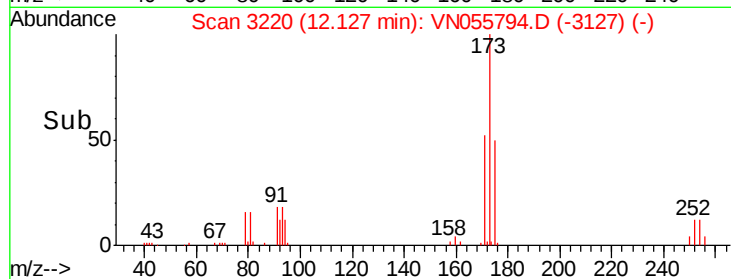
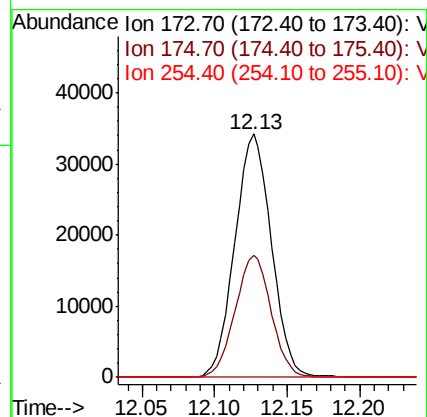
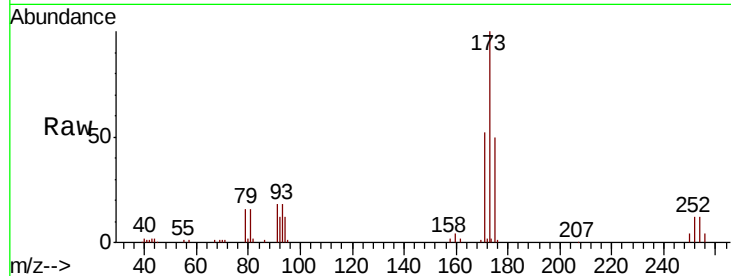




#71
Bromoform
Concen: 18.519 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

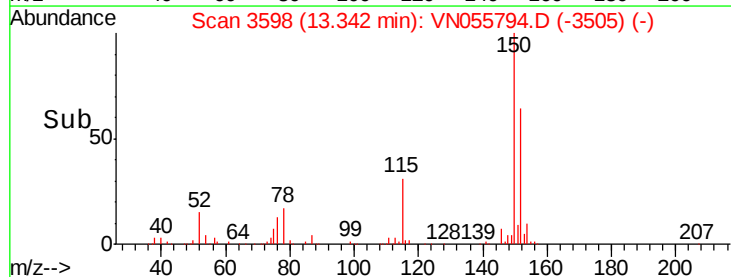
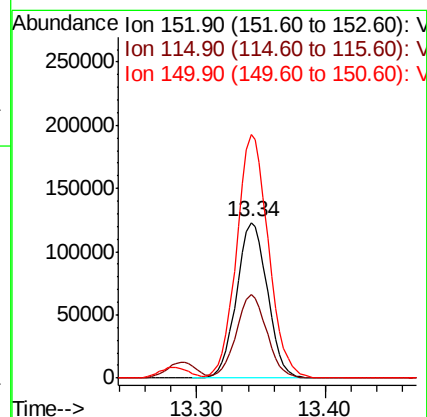
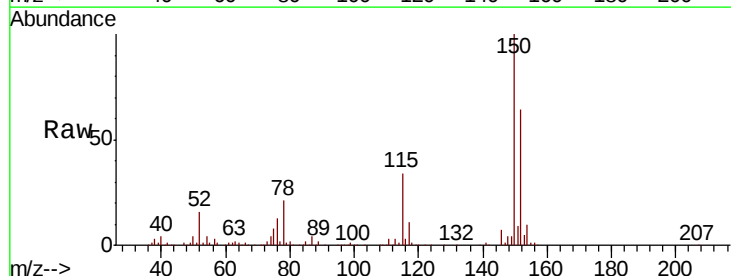
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

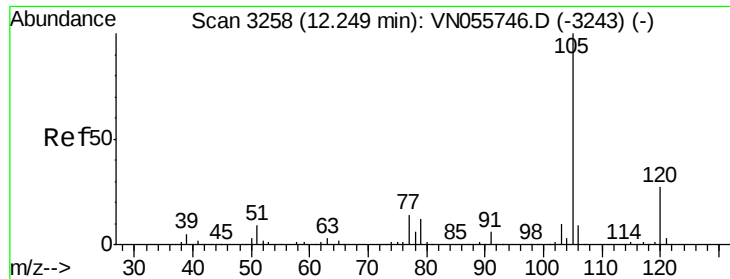
Tot Ion:173 Resp: 60004
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:152 Resp: 203976
Ion Ratio Lower Upper
152 100
115 53.7 27.0 81.0
150 161.8 0.0 343.2





#73

Isopropylbenzene

Concen: 21.603 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

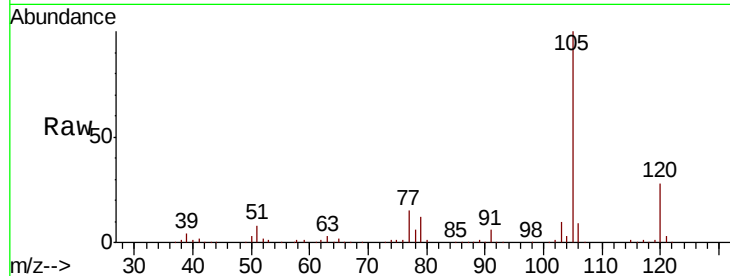
VN0524MBSD01

Tot Ion:105 Resp: 335434

Ion Ratio Lower Upper

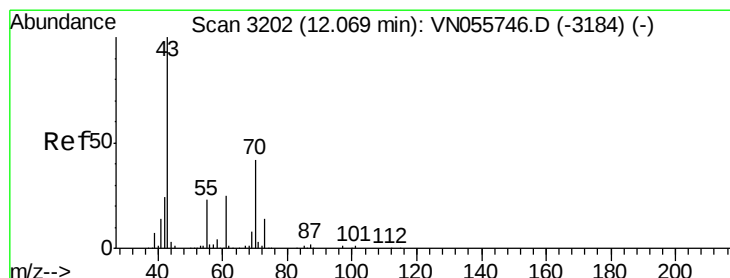
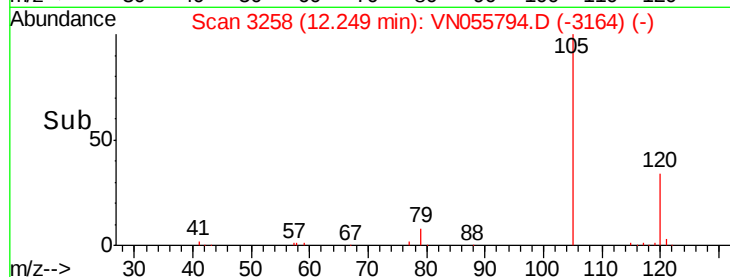
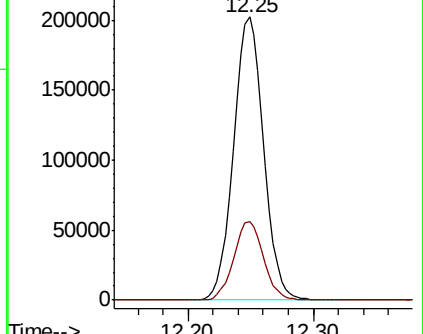
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Tgt Ion: 43 Resp: 115926

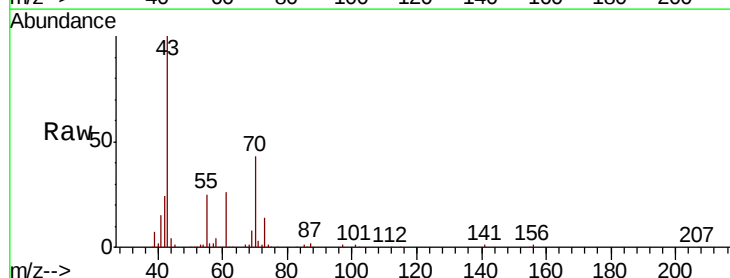
Ion Ratio Lower Upper

43 100

70 44.5 34.0 51.0

55 24.7 18.6 28.0

61 26.0 20.0 30.0

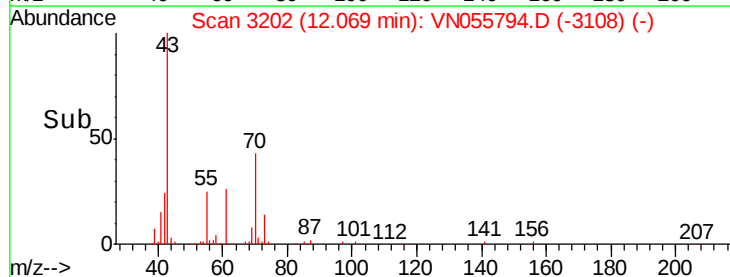
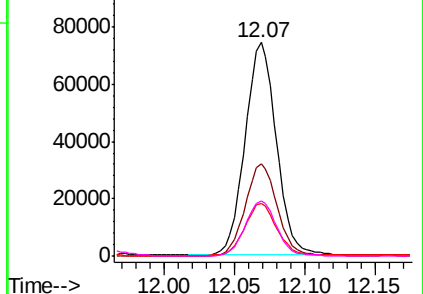


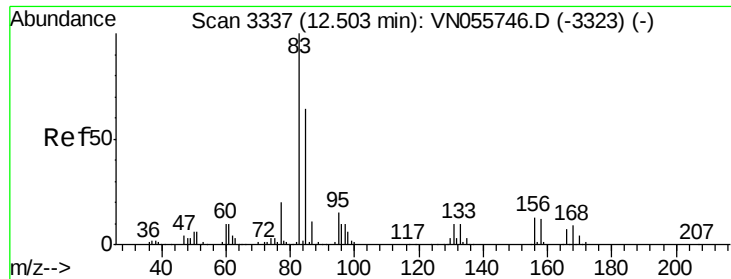
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.672 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

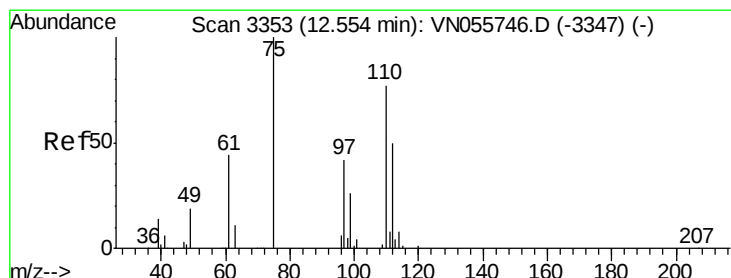
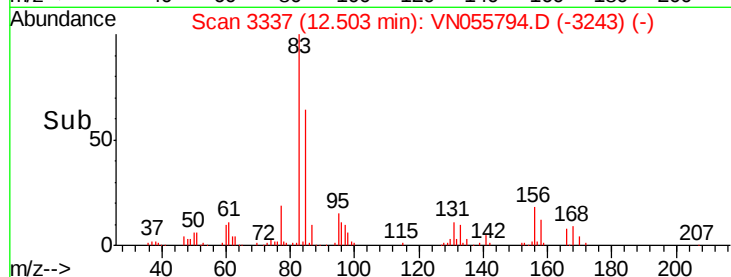
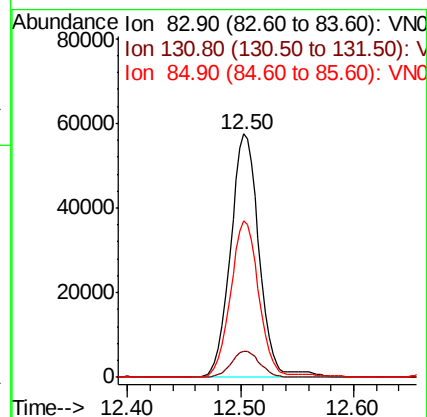
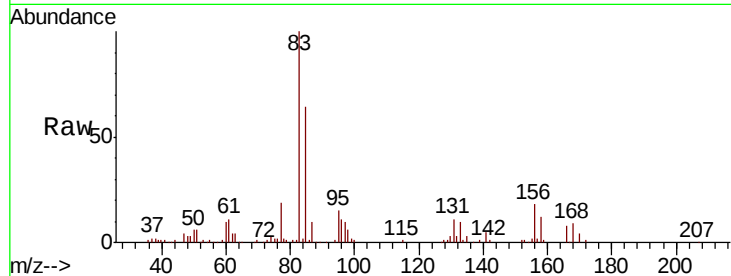
Tot Ion: 83 Resp: 101193

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

85 63.2 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 33.188 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055794.D

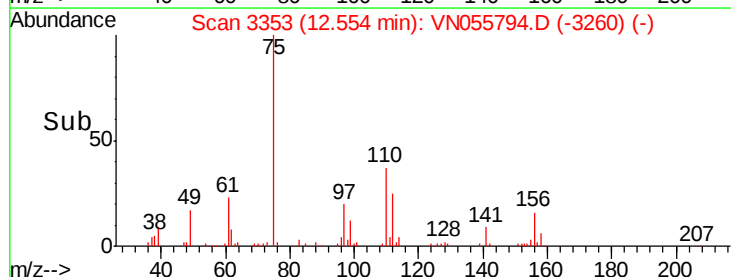
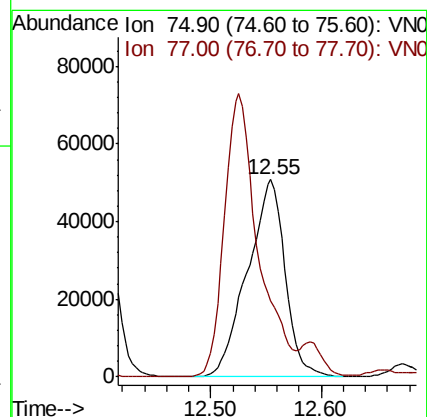
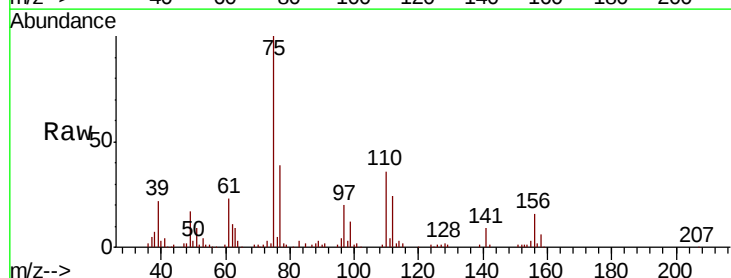
Acq: 24 May 2019 14:27

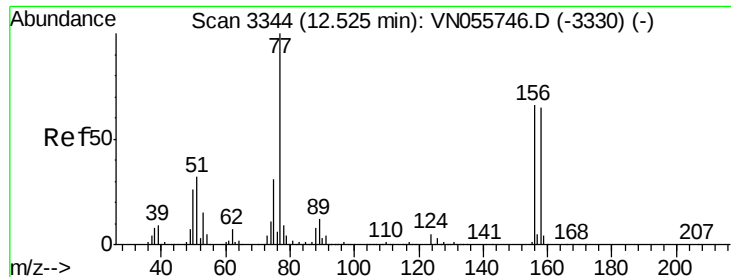
Tgt Ion: 75 Resp: 120285

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 27.737 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

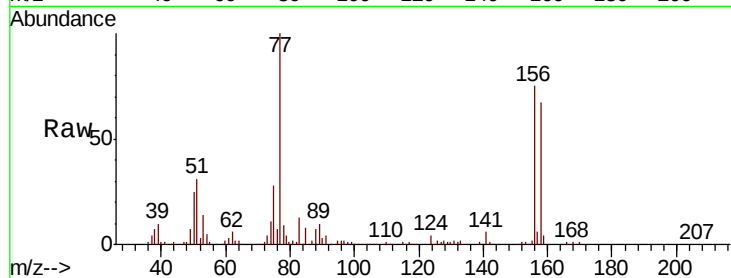
Tot Ion:156 Resp: 120730

Ion Ratio Lower Upper

156 100

77 129.2 90.8 272.5

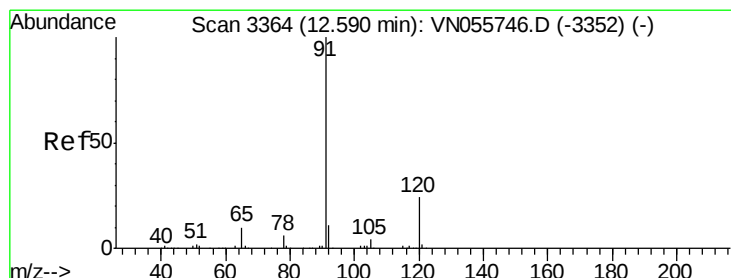
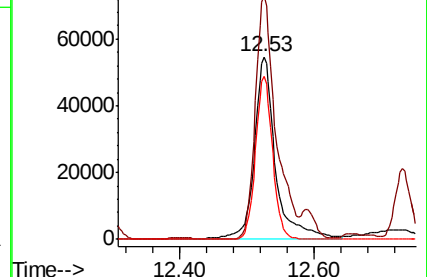
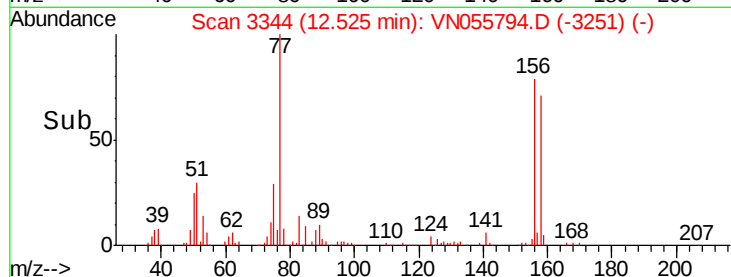
158 70.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.928 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055794.D

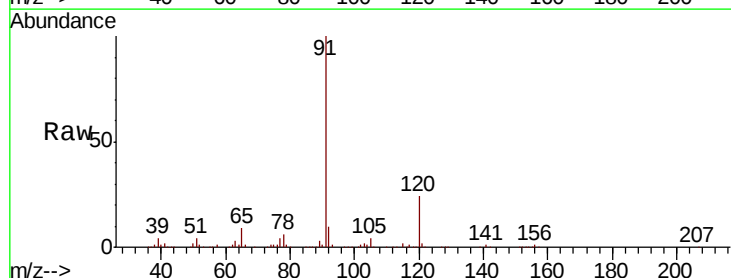
Acq: 24 May 2019 14:27

Tgt Ion: 91 Resp: 353285

Ion Ratio Lower Upper

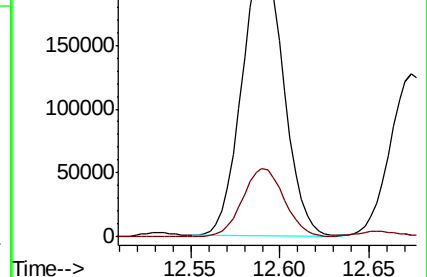
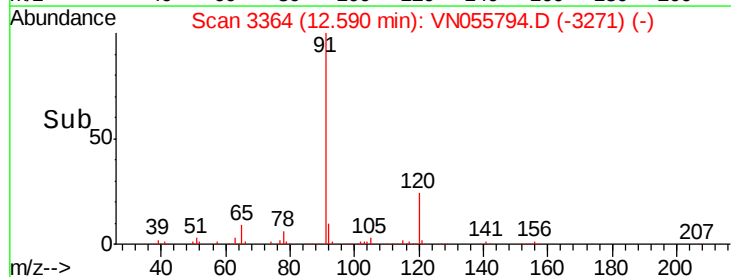
91 100

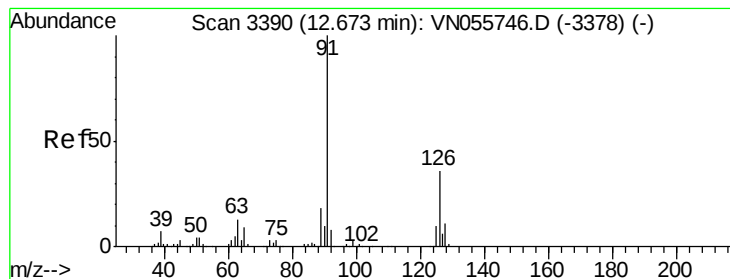
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.313 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

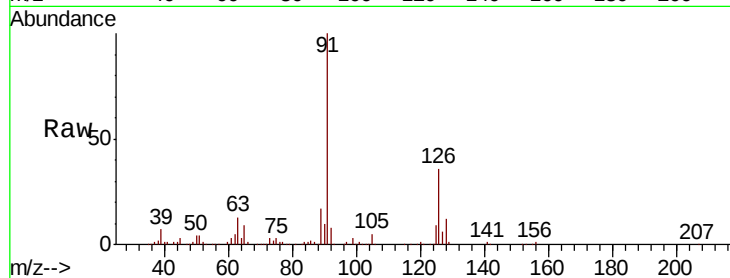
VN0524MBSD01

Tot Ion: 91 Resp: 217484

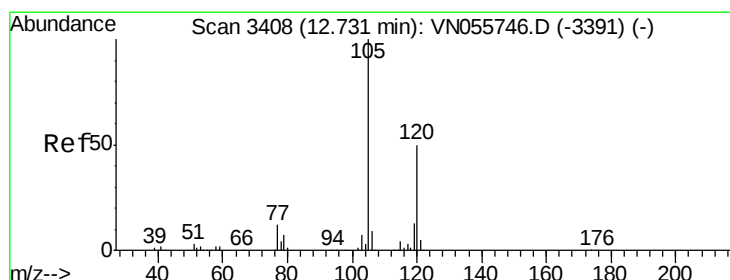
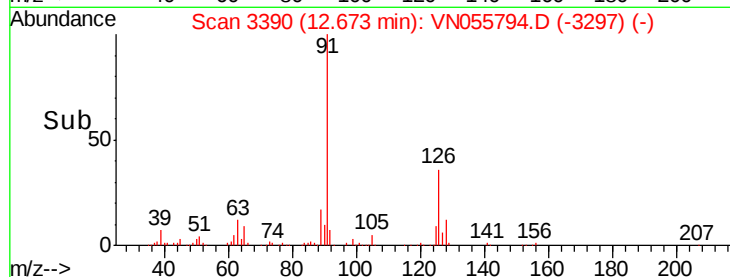
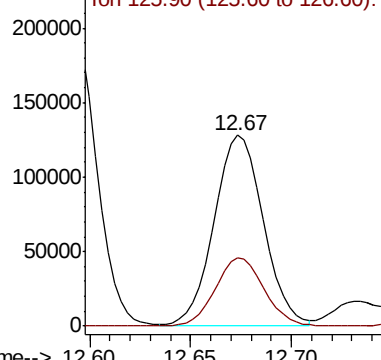
Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4



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



#80

1,3,5-Trimethylbenzene

Concen: 21.607 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055794.D

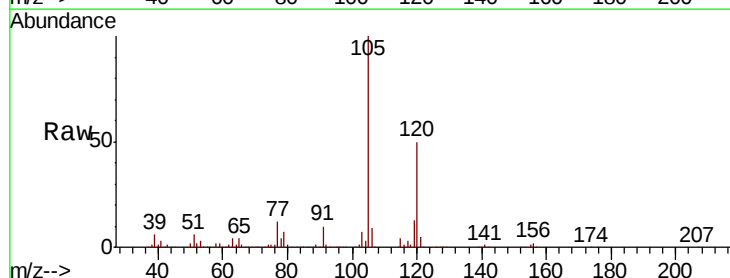
Acq: 24 May 2019 14:27

Tgt Ion: 105 Resp: 281646

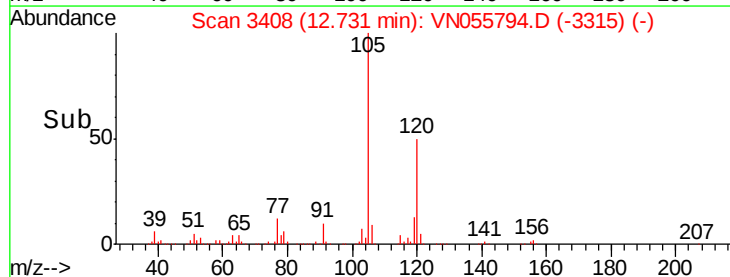
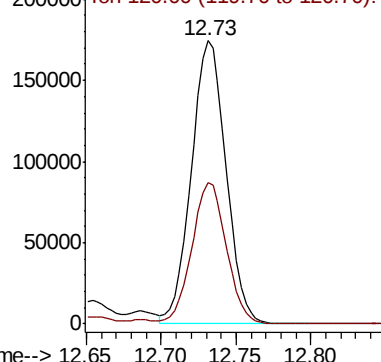
Ion Ratio Lower Upper

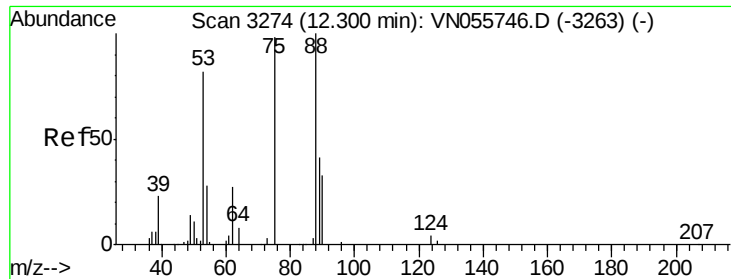
105 100

120 49.8 24.7 74.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.832 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

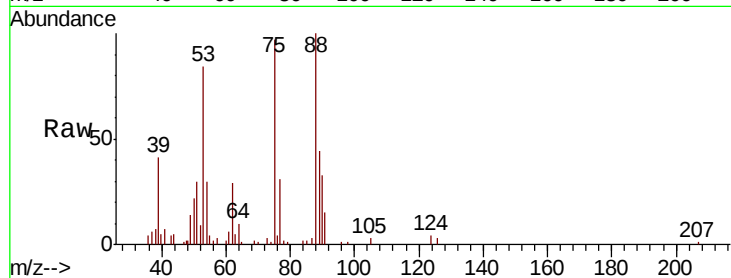
Tot Ion: 75 Resp: 27033

Ion Ratio Lower Upper

75 100

53 89.9 68.1 102.1

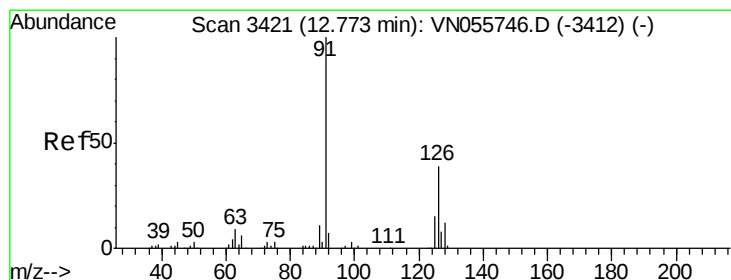
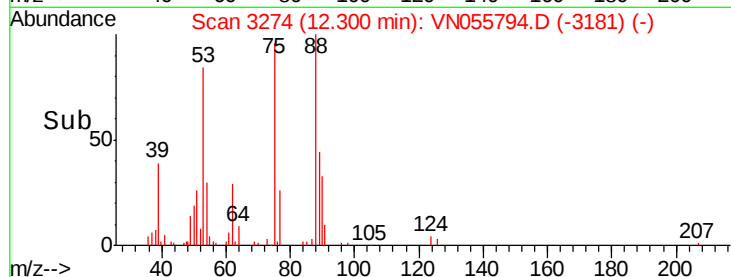
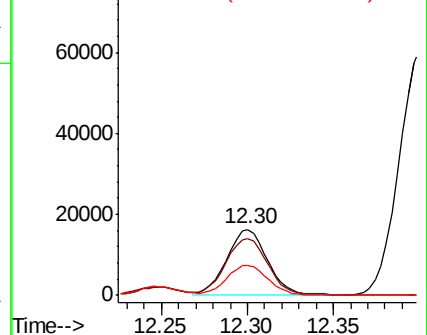
89 46.0 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.480 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055794.D

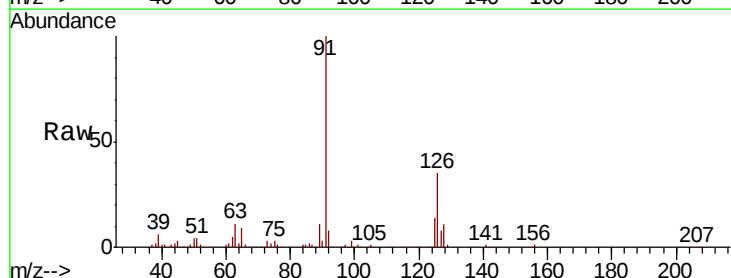
Acq: 24 May 2019 14:27

Tgt Ion: 91 Resp: 203005

Ion Ratio Lower Upper

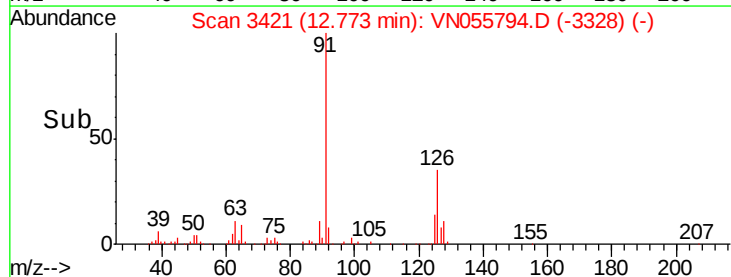
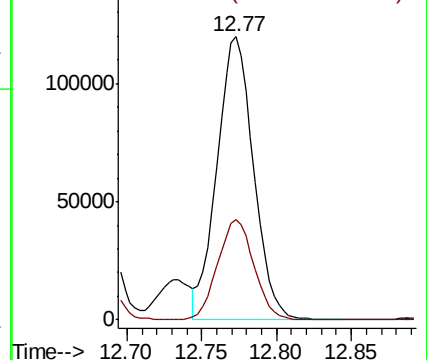
91 100

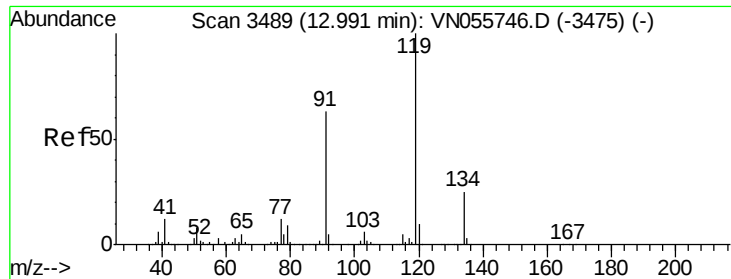
126 35.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

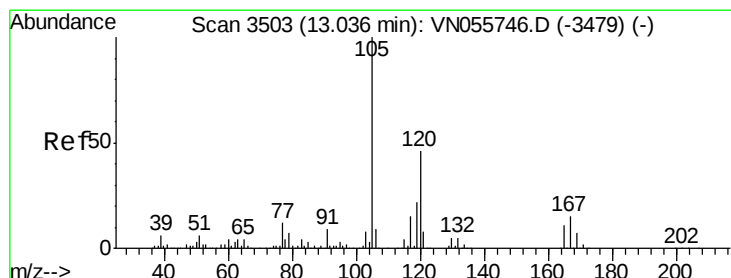
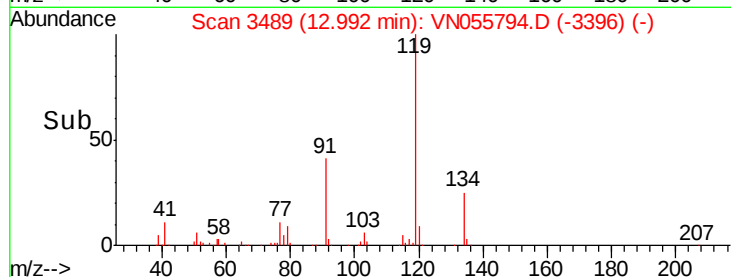
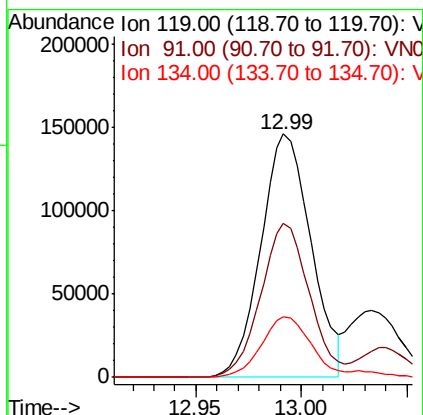
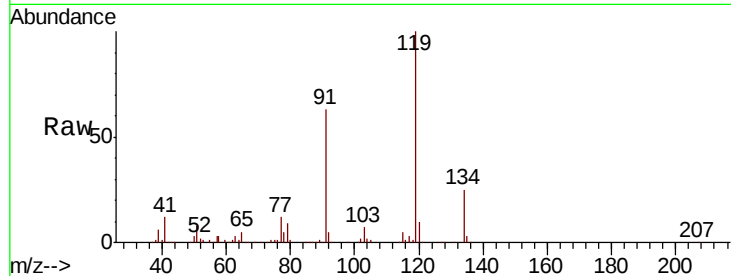




#83
tert-Butylbenzene
Concen: 21.167 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

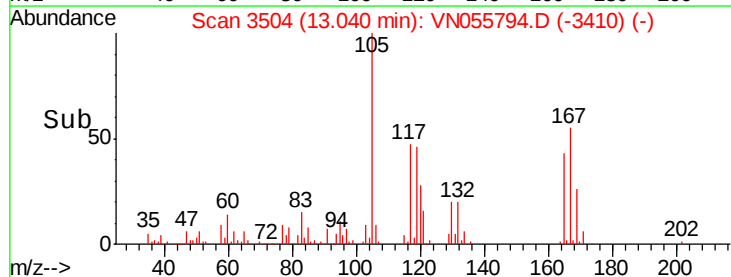
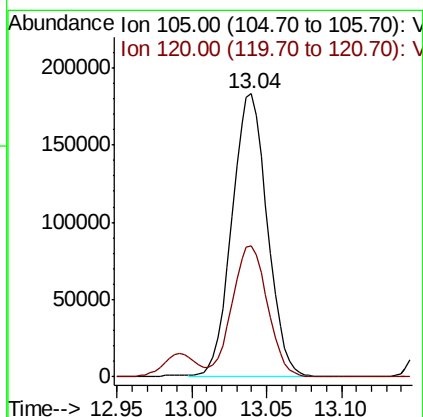
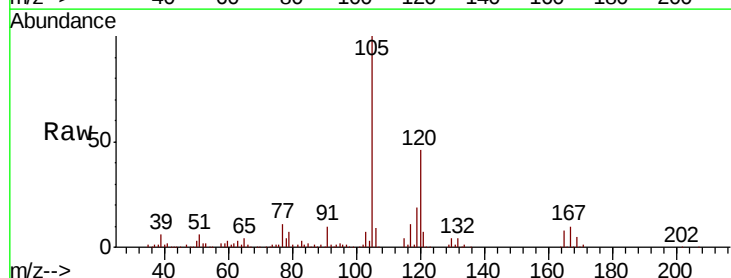
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBSD01

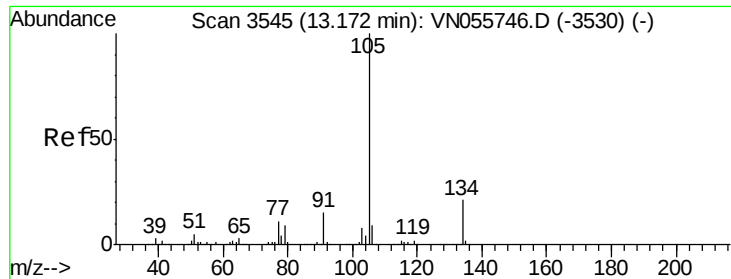
Tot Ion:119 Resp: 241881
Ion Ratio Lower Upper
119 100
91 61.4 30.9 92.8
134 24.8 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 23.389 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion:105 Resp: 300375
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.817 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

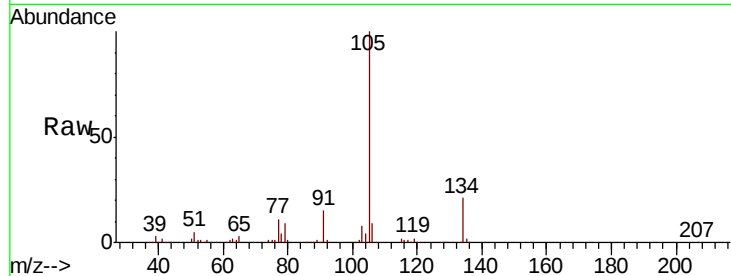
VN0524MBSD01

Tot Ion:105 Resp: 304764

Ion Ratio Lower Upper

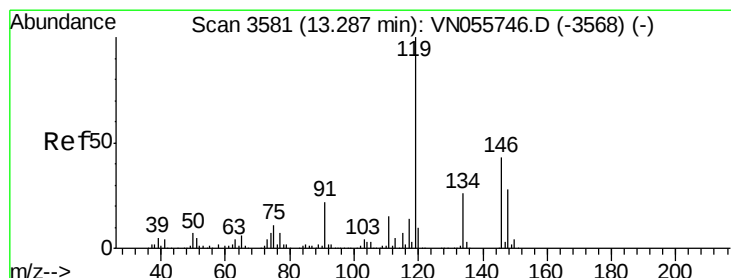
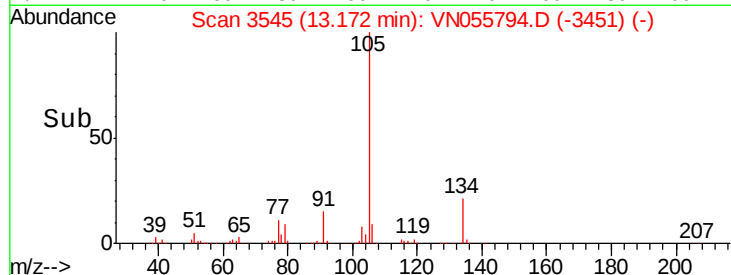
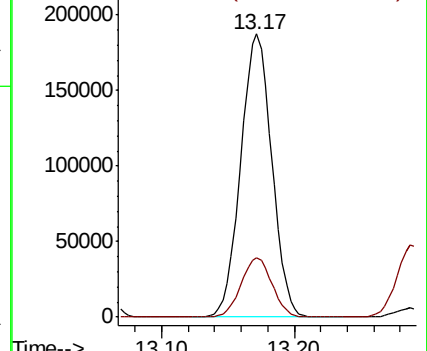
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.416 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

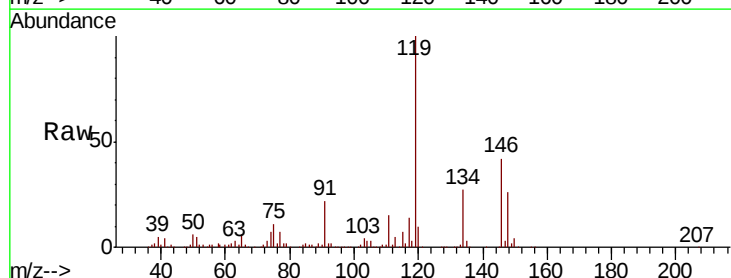
Tgt Ion:119 Resp: 275031

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

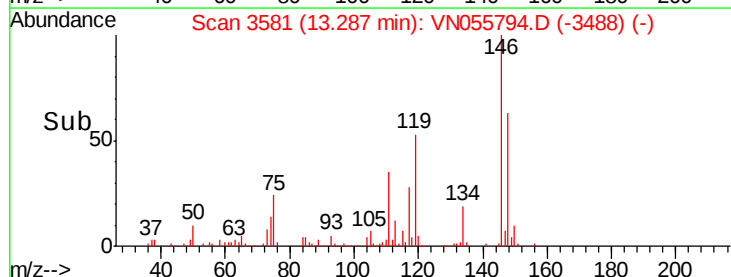
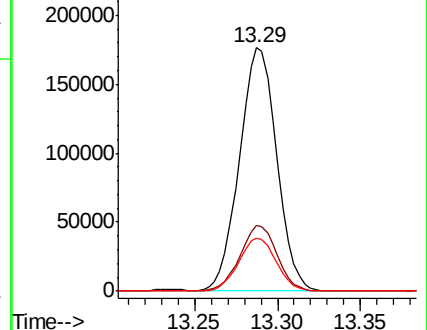
91 21.6 10.9 32.9

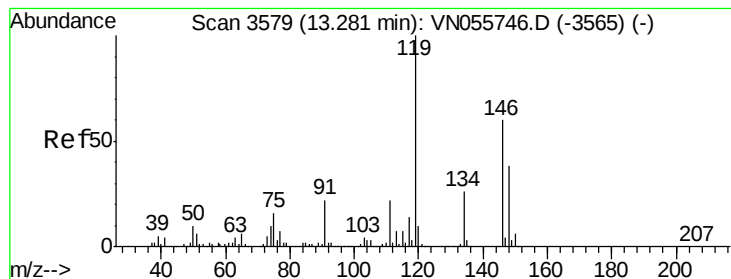


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.029 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

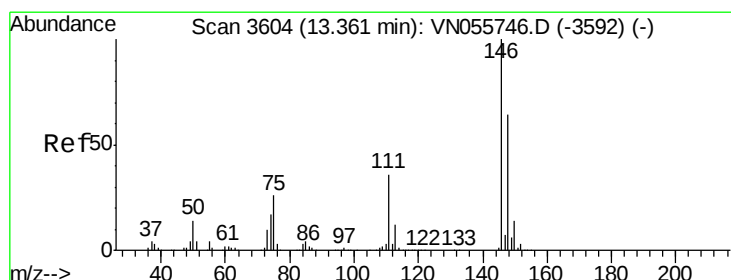
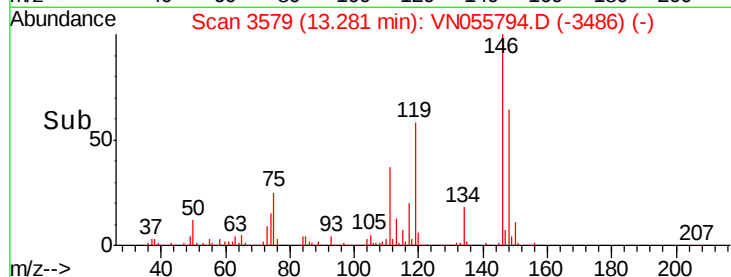
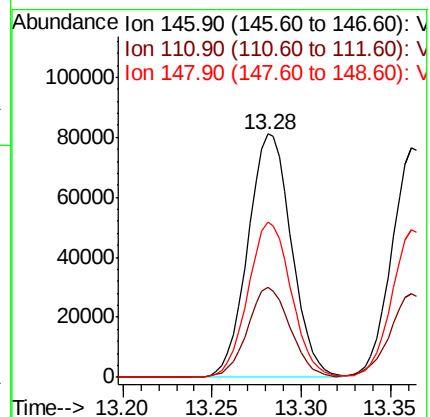
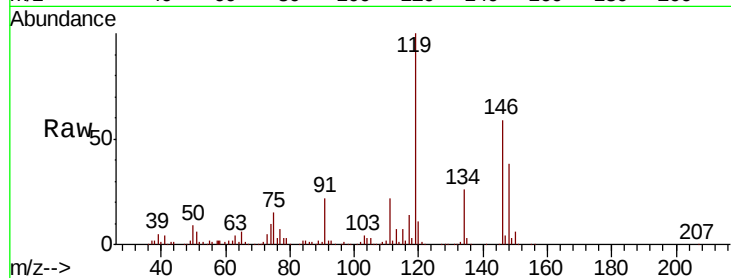
Tot Ion:146 Resp: 138042

Ion Ratio Lower Upper

146 100

111 36.4 18.5 55.5

148 63.5 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.675 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

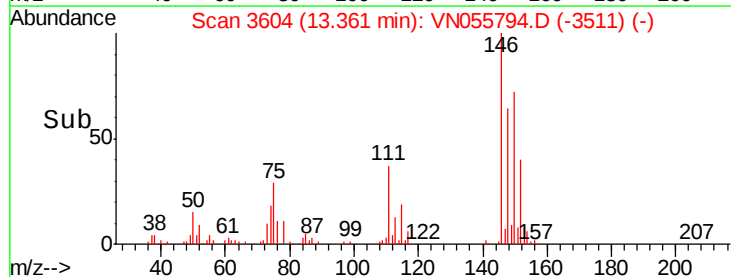
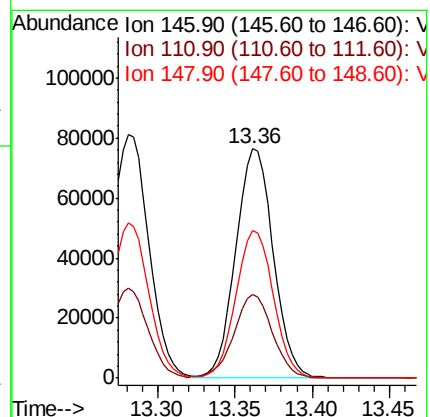
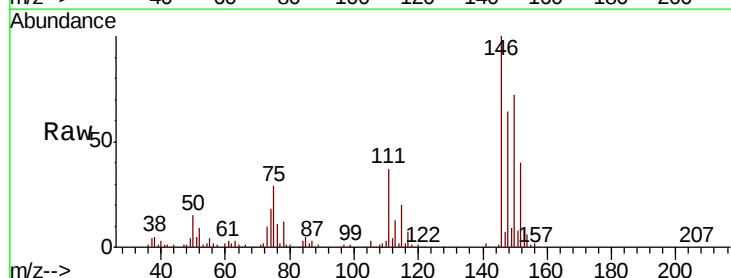
Tgt Ion:146 Resp: 128921

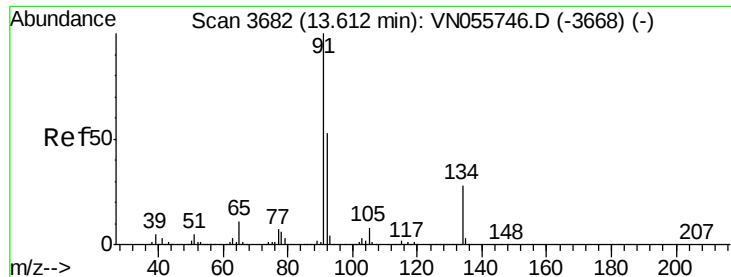
Ion Ratio Lower Upper

146 100

111 36.9 18.1 54.4

148 64.4 32.1 96.5

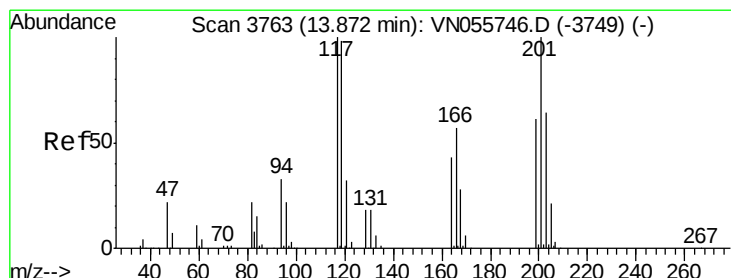
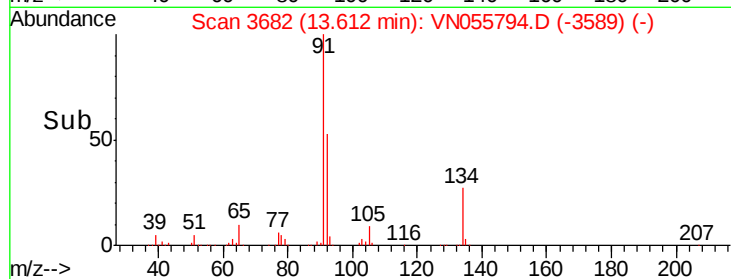
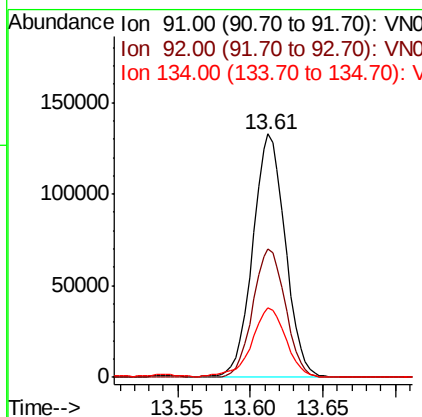
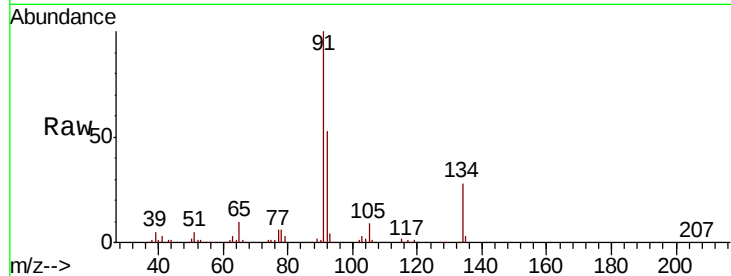




#89
n-Butylbenzene
Concen: 19.022 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

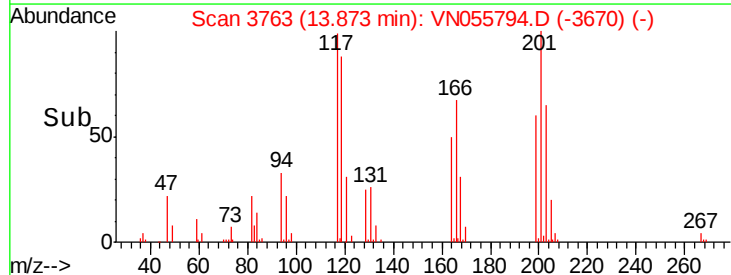
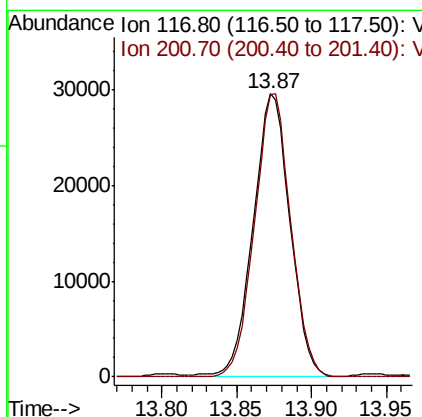
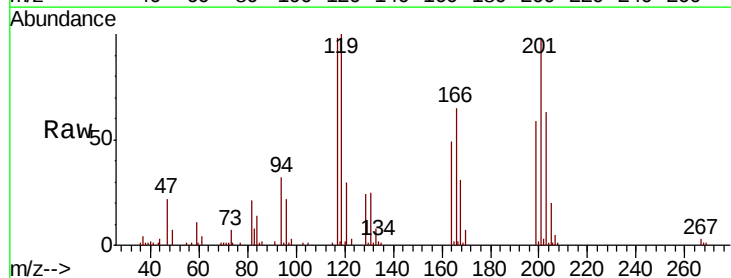
Instrument :
MSVOA_N
ClientSampled :
VN0524MBSD01

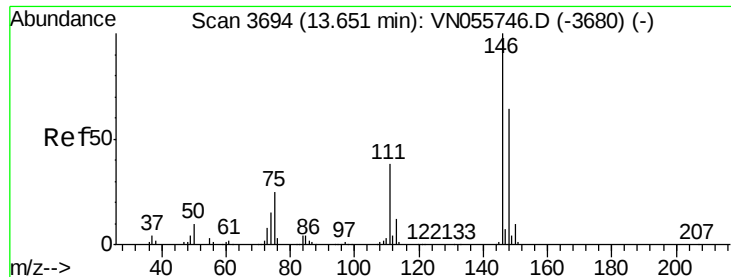
Tot Ion: 91 Resp: 206461
Ion Ratio Lower Upper
91 100
92 53.2 26.4 79.0
134 30.4 13.9 41.7



#90
Hexachloroethane
Concen: 18.827 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055794.D
Acq: 24 May 2019 14:27

Tgt Ion: 117 Resp: 50763
Ion Ratio Lower Upper
117 100
201 97.9 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.041 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

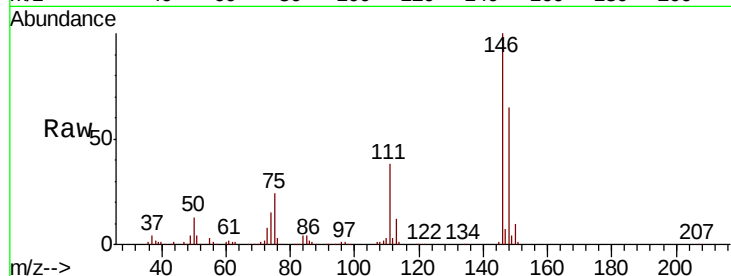
Tot Ion:146 Resp: 137806

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.5

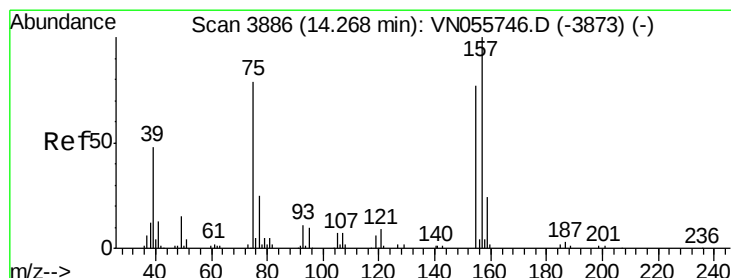
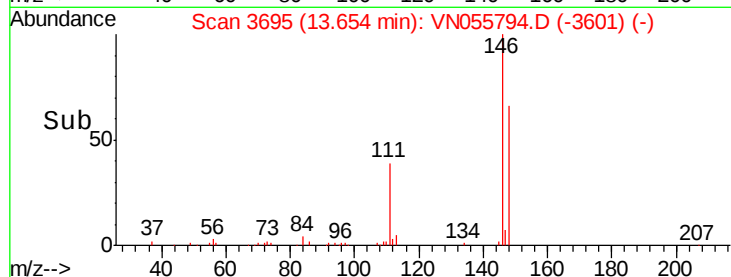
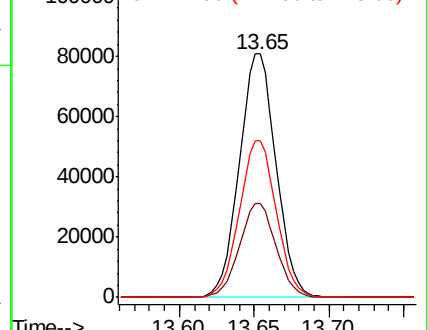
148 64.7 31.9 95.9



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: 18.495 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

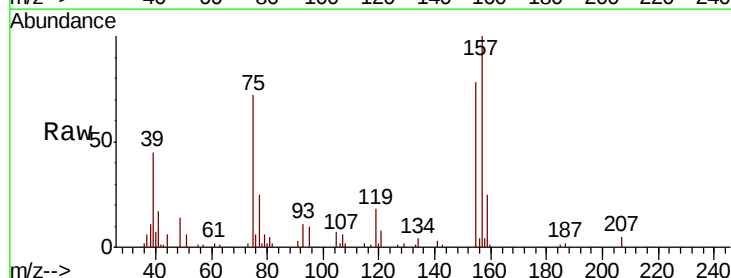
Tgt Ion: 75 Resp: 16716

Ion Ratio Lower Upper

75 100

155 105.4 50.0 150.1

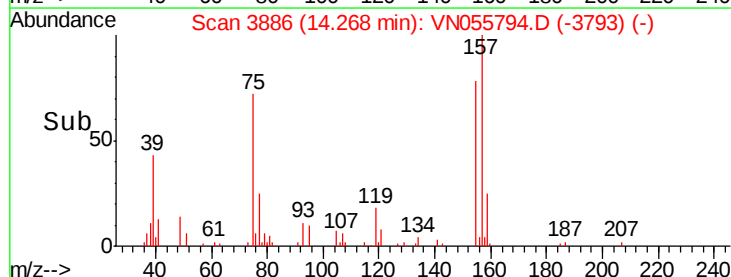
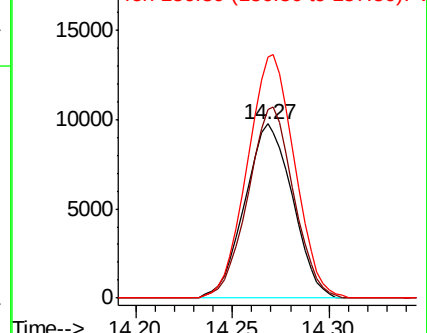
157 138.2 64.8 194.3

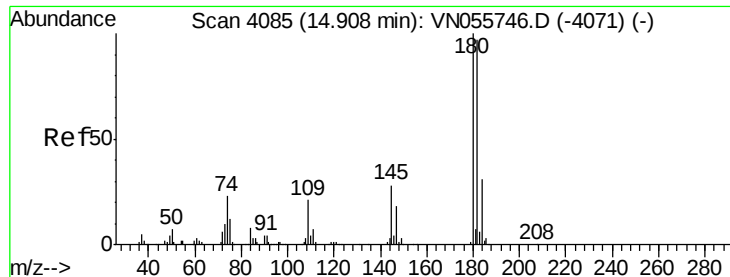


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

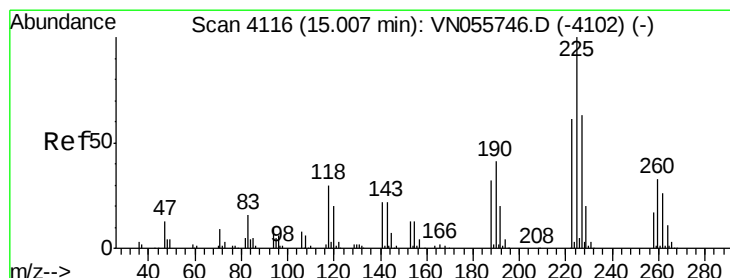
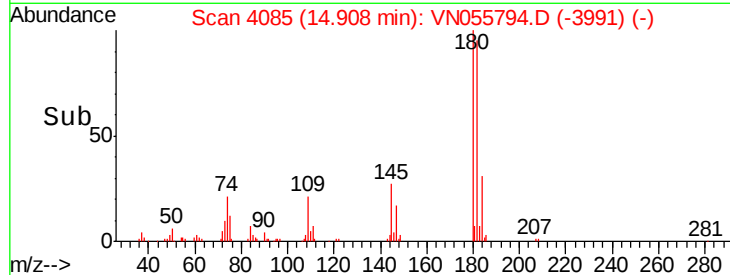
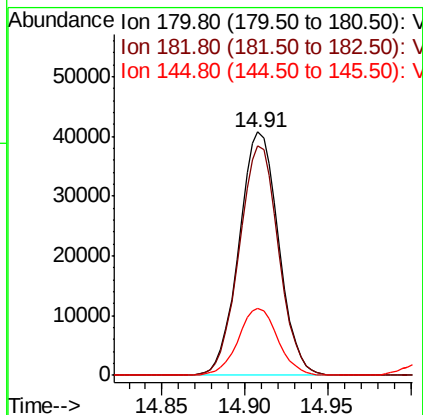
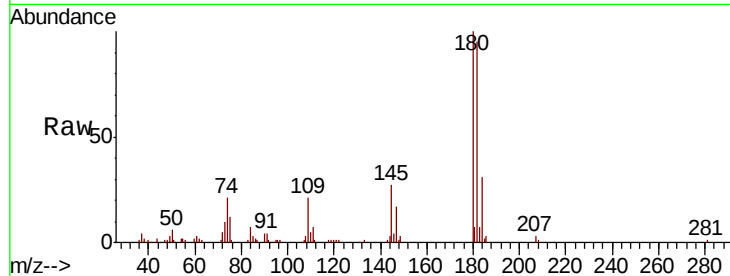




#93
 1,2,4-Trichlorobenzene
 Concen: 19.425 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

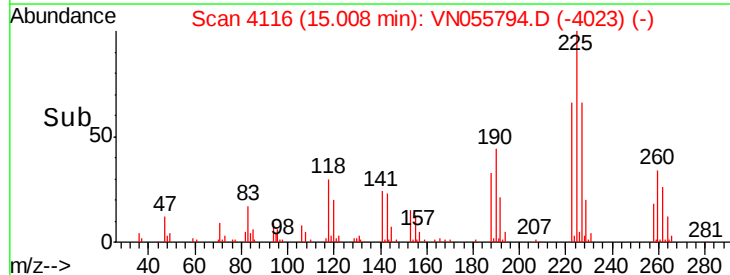
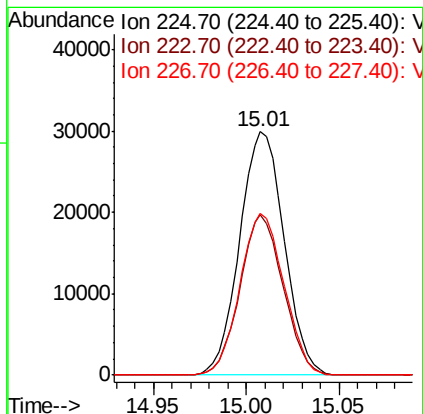
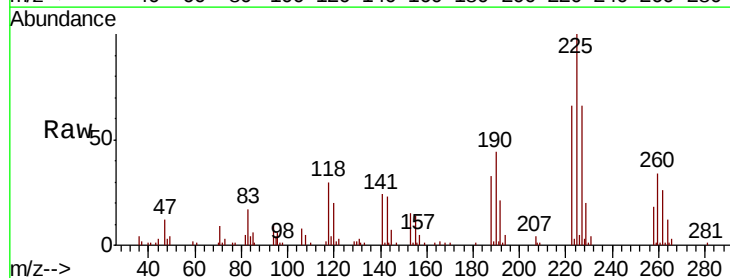
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBSD01

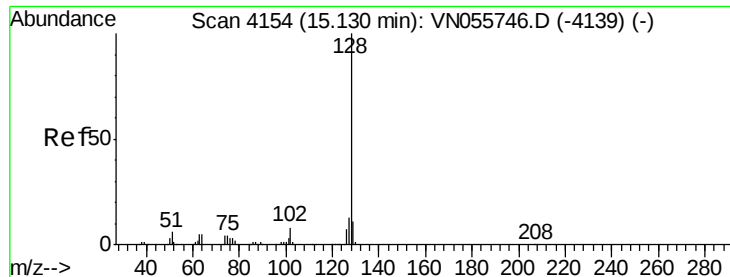
Tot Ion:180 Resp: 67361
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.3 144.9
 145 27.5 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 19.479 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055794.D
 Acq: 24 May 2019 14:27

Tgt Ion:225 Resp: 49837
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.9 92.7
 227 65.5 31.6 94.7





#95

Naphthalene

Concen: 22.097 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBSD01

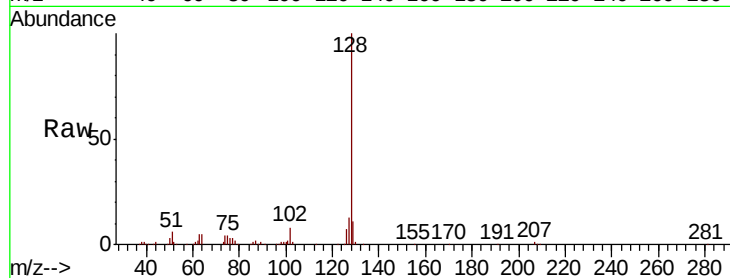
Tot Ion:128 Resp: 208503

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

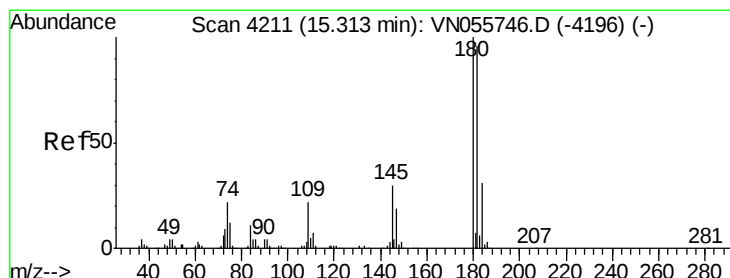
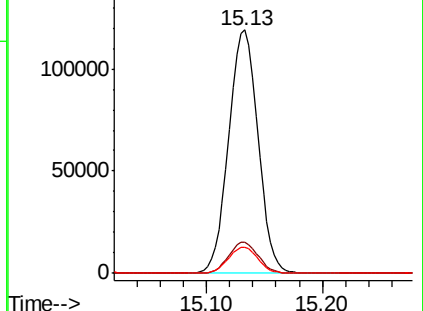
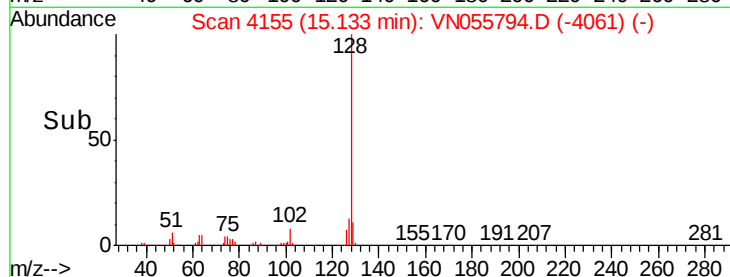
129 10.9 8.7 13.1



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: 19.780 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055794.D

Acq: 24 May 2019 14:27

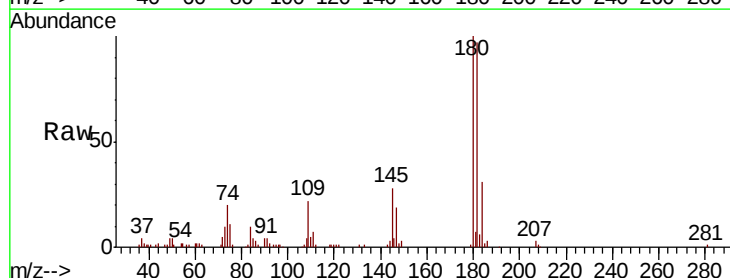
Tgt Ion:180 Resp: 71897

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.7

145 29.2 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

