

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055731.D
 Acq On : 22 May 2019 21:07
 Operator : JC/SP
 Sample : VN0522WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Quant Time: May 23 06:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56267	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	310650	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	266512	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113625	30.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.97%
60) 4-Bromofluorobenzene	12.40	95	122640	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	375665	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48628	19.711	ug/l 98
3) Chloromethane	2.06	50	70010	19.951	ug/l 98
4) Vinyl Chloride	2.18	62	73320	20.472	ug/l 100
5) Bromomethane	2.55	94	49991	23.841	ug/l 98
6) Chloroethane	2.69	64	44771	21.399	ug/l 95
7) Trichlorofluoromethane	3.01	101	92040	20.484	ug/l 99
8) Diethyl Ether	3.41	74	41343	20.931	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57627	20.298	ug/l 99
10) 1,1-Dichloroethene	3.73	96	58707	19.767	ug/l 97
11) Methyl Iodide	3.94	142	79598	18.787	ug/l 98
12) Methyl Acetate	4.33	43	71976	19.815	ug/l 99
13) Acrolein	3.60	56	48995	97.077	ug/l 96
14) Acrylonitrile	4.99	53	168066	101.488	ug/l 99
15) Acetone	3.82	58	46824	91.043	ug/l 98
16) Carbon Disulfide	4.04	76	169536	19.910	ug/l 100
17) Allyl chloride	4.31	41	107210	20.043	ug/l 98
18) Methylene Chloride	4.55	84	68843	20.239	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	64282	20.120	ug/l 96
20) Diisopropyl ether	5.96	45	206759	19.926	ug/l 96
21) 1,1-Dichloroethane	5.84	63	118697	20.240	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	76224	20.457	ug/l 97
23) tert-Butyl Alcohol	4.81	59	70472	96.897	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	204123	20.256	ug/l 100
25) Chloroform	7.37	83	118780	20.507	ug/l 98
26) Cyclohexane	7.65	56	110788	20.478	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	87694	20.165	ug/l 98
30) 2-Butanone	6.84	43	223150	96.271	ug/l 100
31) 2,2-Dichloropropane	6.82	77	92092	18.198	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	104372	20.249	ug/l 99
33) Carbon Tetrachloride	7.77	117	92273	20.011	ug/l 99
34) Benzene	8.04	78	271194	20.199	ug/l 99
35) Methacrylonitrile	7.18	41	41908	19.588	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89093	20.306	ug/l 99
37) Trichloroethene	8.84	130	73089	19.511	ug/l 98
38) Methylcyclohexane	9.08	83	108692	19.727	ug/l 98
39) 1,2-Dichloropropane	9.12	63	73093	20.251	ug/l 97
40) Dibromomethane	9.21	93	47203	20.253	ug/l 95

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Quant Time: May 23 06:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	95723	20.039	ug/l	99
42) Vinyl Acetate	5.90	43	912668	101.413	ug/l	100
43) Ethyl Acetate	6.93	43	89018	19.538	ug/l #	100
44) Isopropyl Acetate	8.17	43	148658	19.704	ug/l #	87
45) 1,4-Dioxane	9.20	88	27230	383.636	ug/l	97
46) Methyl methacrylate	9.20	41	72375	20.561	ug/l	99
47) n-amyl Acetate	12.07	43	119223	19.105	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	101502	19.250	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	114127	19.774	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67724	19.960	ug/l	98
51) Ethyl methacrylate	10.43	69	109389	20.002	ug/l	99
52) 1,3-Dichloropropane	10.71	76	113118	20.226	ug/l	99
53) Dibromochloromethane	10.90	129	78588	19.607	ug/l	97
54) 1,2-Dibromoethane	11.01	107	69700	19.852	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	204038	95.887	ug/l	99
56) Bromoform	12.13	173	60778	18.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	451973	102.442	ug/l	99
59) 2-Hexanone	10.75	43	311644	98.803	ug/l	99
61) Tetrachloroethene	10.63	164	71651	19.860	ug/l	97
62) Toluene	10.16	91	294694	20.562	ug/l	99
64) Chlorobenzene	11.43	112	176114	20.257	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	70631	20.164	ug/l	98
66) Ethyl Benzene	11.51	91	320885	20.492	ug/l	98
67) m/p-Xylenes	11.62	106	242309	40.734	ug/l	100
68) o-Xylene	11.95	106	120064	20.396	ug/l	100
69) Styrene	11.96	104	193106	19.884	ug/l	100
70) Isopropylbenzene	12.25	105	312184	20.269	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	97474	20.564	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	118832	29.129	ug/l	64
73) Bromobenzene	12.53	156	78711	19.318	ug/l	97
74) n-propylbenzene	12.59	91	332920	20.042	ug/l	99
75) 2-Chlorotoluene	12.67	91	206626	20.363	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	258053	20.270	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	29579	18.254	ug/l	96
78) 4-Chlorotoluene	12.77	91	190024	19.760	ug/l	99
79) tert-butylbenzene	12.99	119	225624	20.159	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	254037	20.101	ug/l	98
81) sec-Butylbenzene	13.17	105	285421	20.071	ug/l	100
82) p-Isopropyltoluene	13.29	119	256164	19.574	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121726	19.057	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	111623	18.350	ug/l	98
85) n-Butylbenzene	13.61	91	189672	18.629	ug/l	99
86) Hexachloroethane	13.87	117	50893	19.771	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	123799	19.248	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17405	19.374	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	53815	15.501	ug/l	98
90) Hexachlorobutadiene	15.01	225	45372	17.515	ug/l	98
91) Naphthalene	15.13	128	160683	16.939	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	61323	16.901	ug/l	99

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 23 06:03:50 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

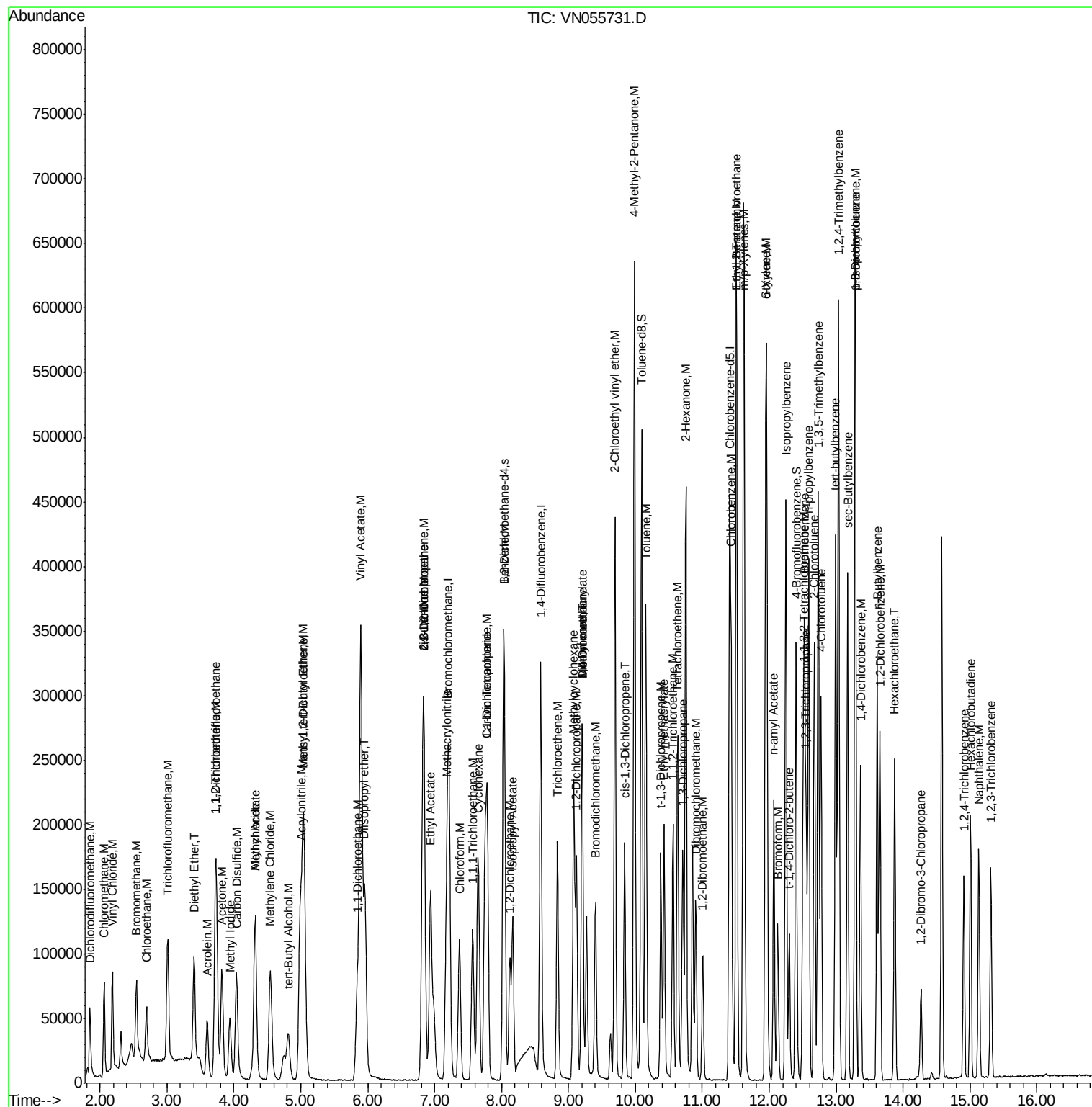
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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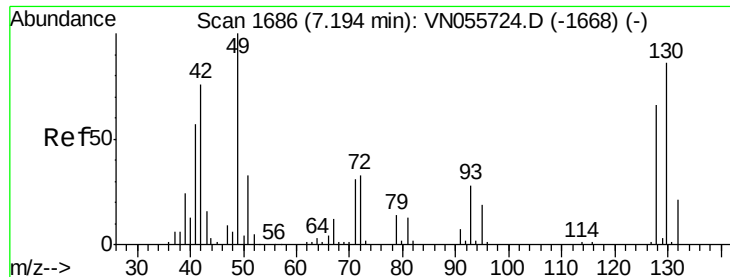
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
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Quant Time: May 23 06:03:50 2019
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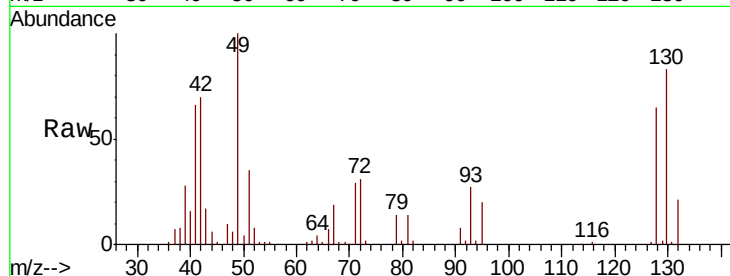




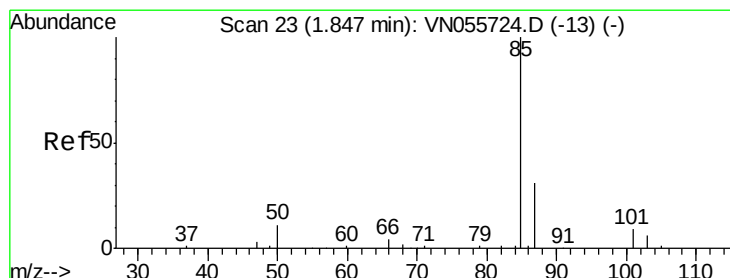
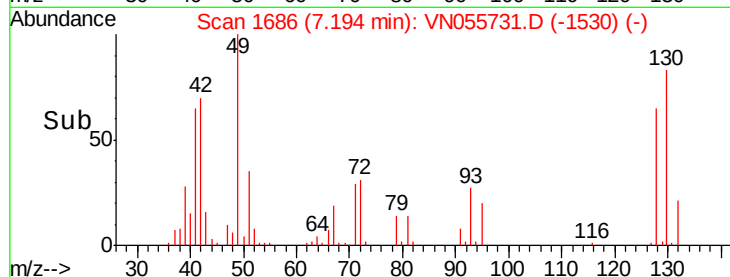
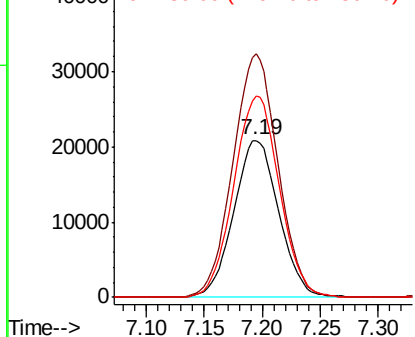
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

Tot Ion:128 Resp: 56267
 Ion Ratio Lower Upper
 128 100
 49 155.2 0.0 383.2
 130 130.1 0.0 326.3

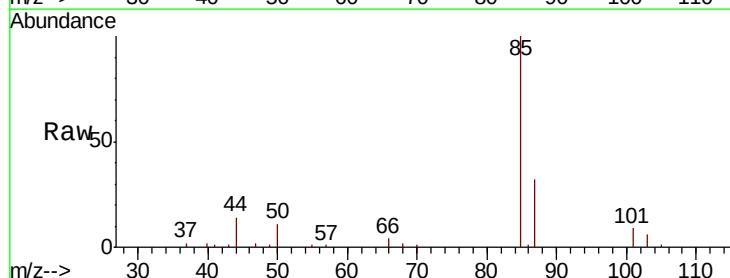


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

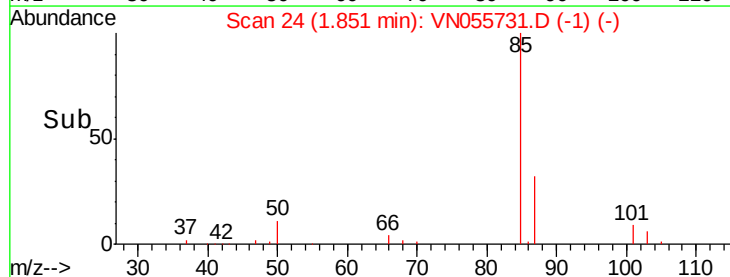
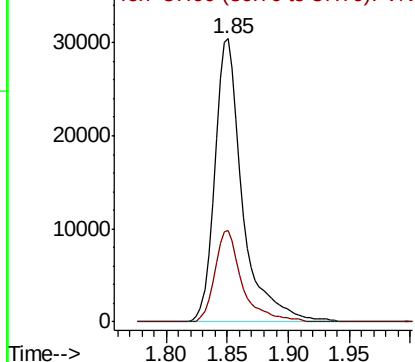


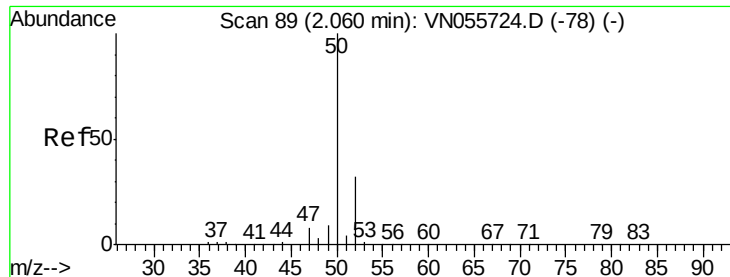
#2
 Dichlorodifluoromethane
 Concen: 19.711 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 85 Resp: 48628
 Ion Ratio Lower Upper
 85 100
 87 32.2 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.951 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

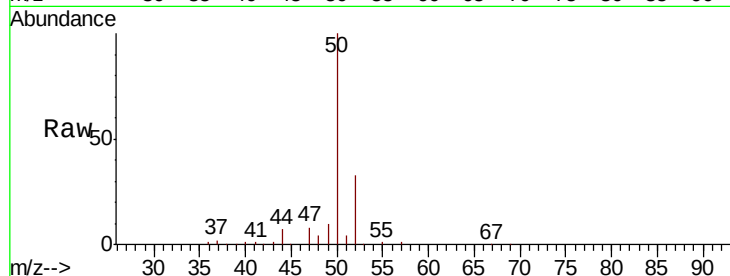
VN0522WBS01

Tot Ion: 50 Resp: 70010

Ion Ratio Lower Upper

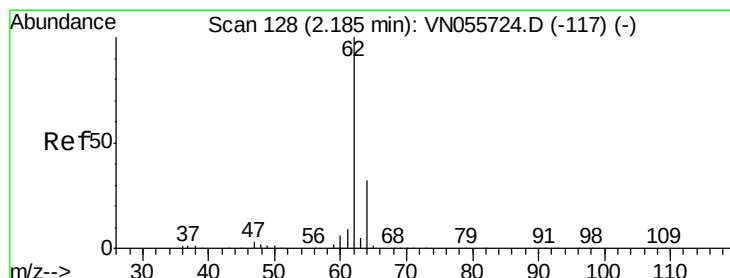
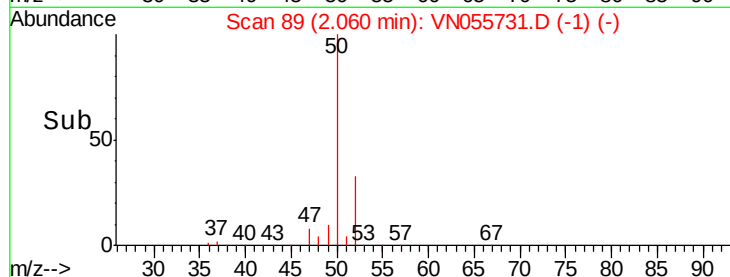
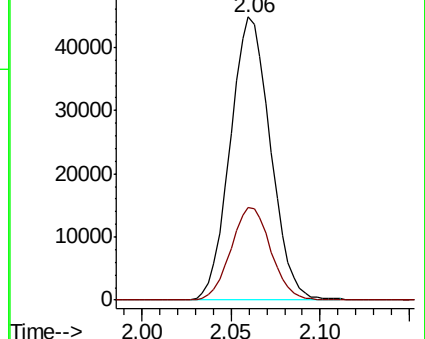
50 100

52 33.0 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055731.D

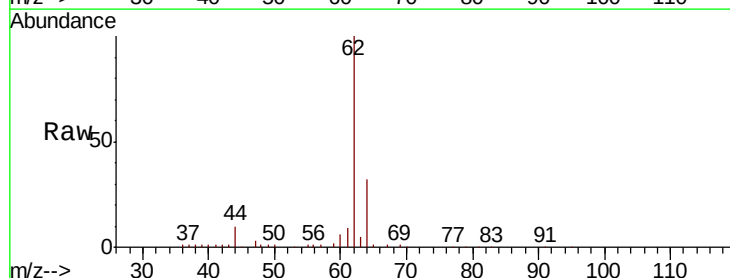
Acq: 22 May 2019 21:07

Tgt Ion: 62 Resp: 73320

Ion Ratio Lower Upper

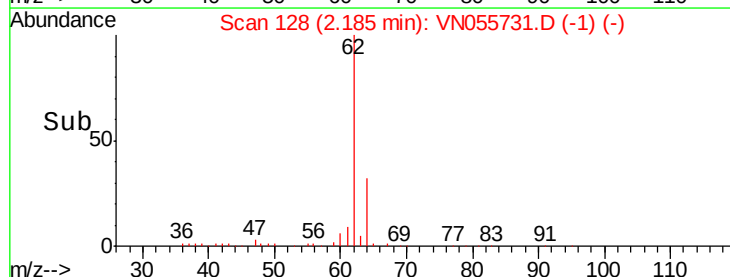
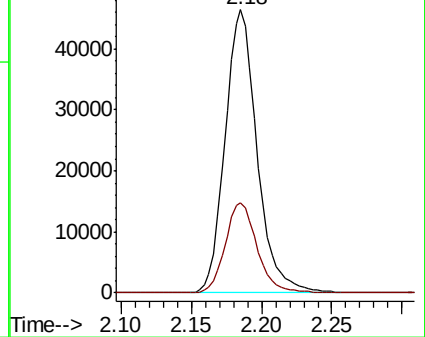
62 100

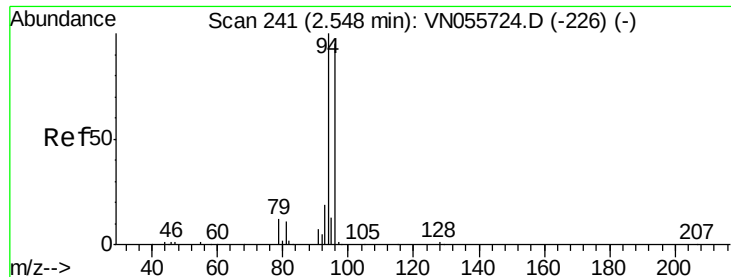
64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 23.841 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

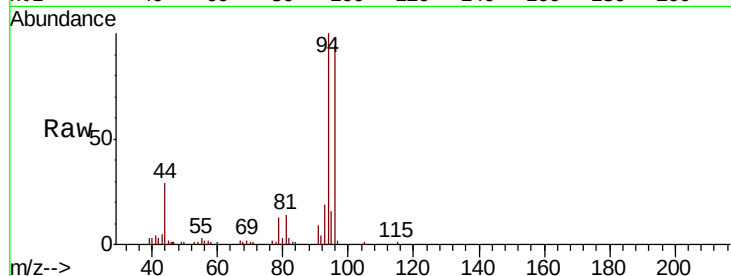
VN0522WBS01

Tot Ion: 94 Resp: 49991

Ion Ratio Lower Upper

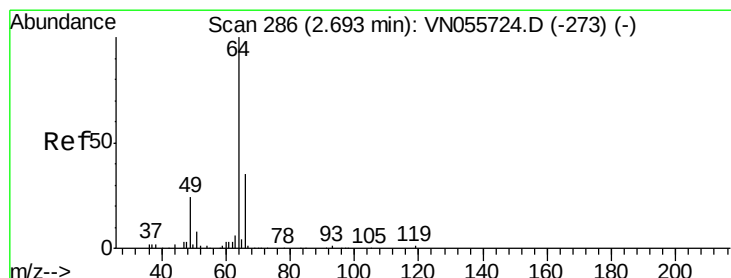
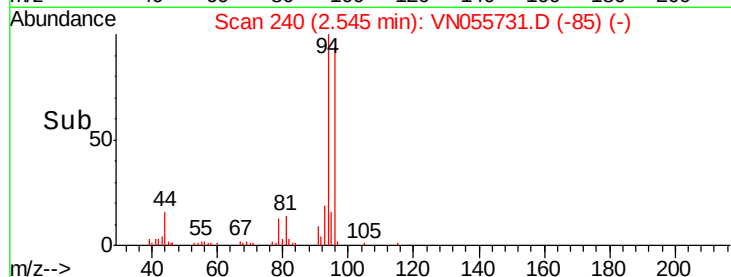
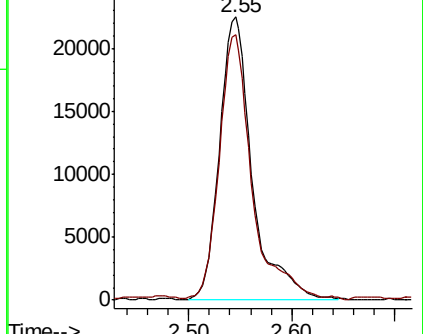
94 100

96 93.1 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055724.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN055724.D (-226) (-)



#6

Chloroethane

Concen: 21.399 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055731.D

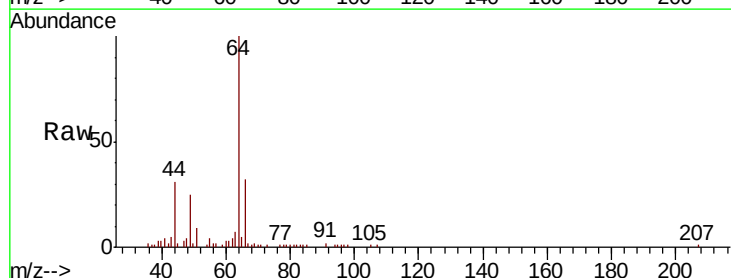
Acq: 22 May 2019 21:07

Tgt Ion: 64 Resp: 44771

Ion Ratio Lower Upper

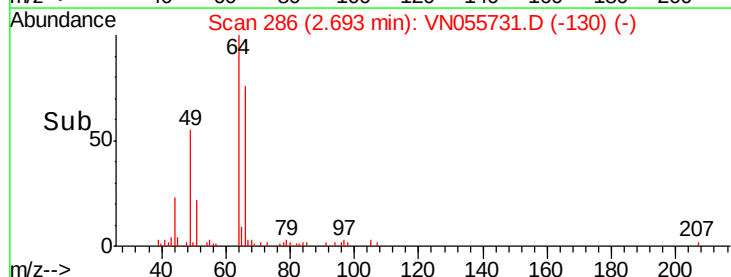
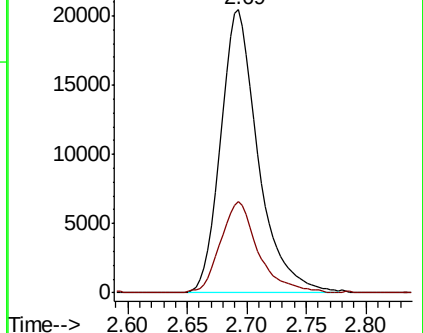
64 100

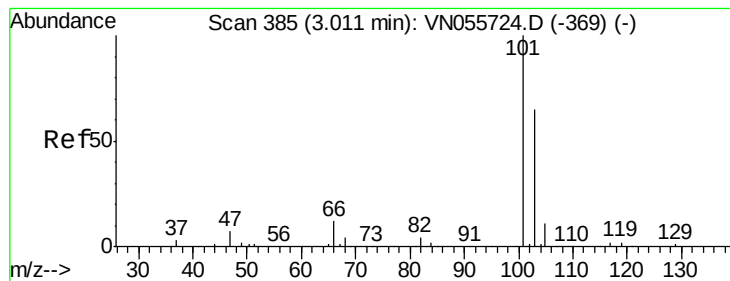
66 32.1 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055724.D (-273) (-)

Ion 66.00 (65.70 to 66.70): VN055724.D (-273) (-)



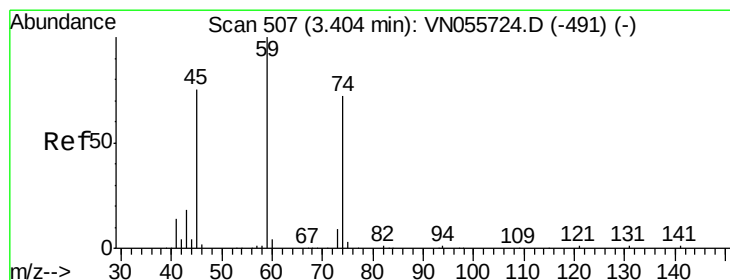
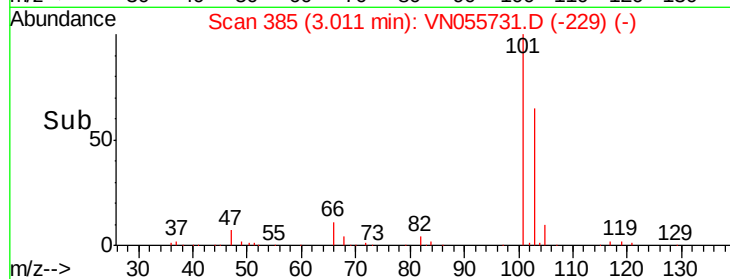
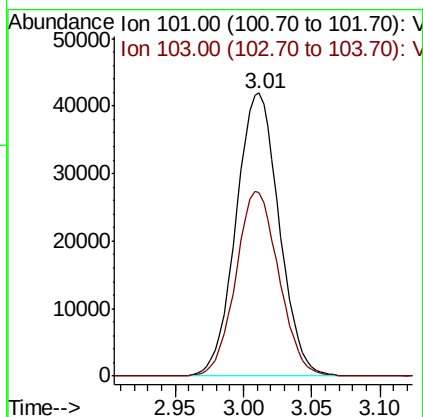
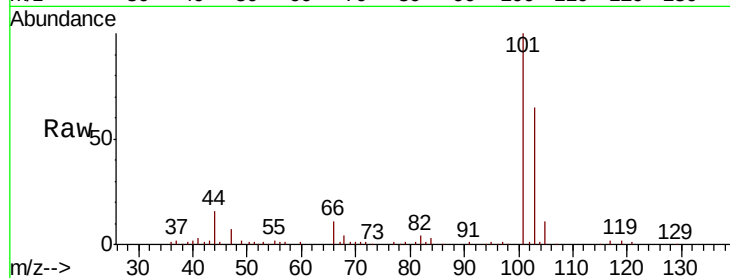


#7

Trichlorofluoromethane
 Concen: 20.484 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

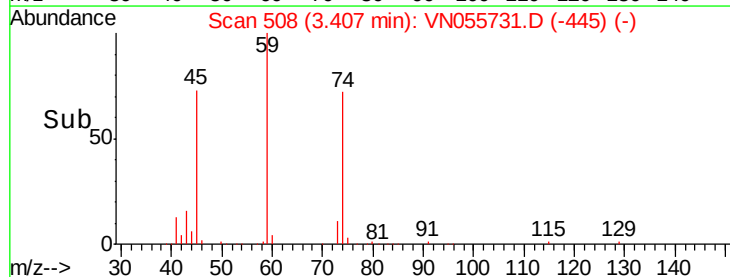
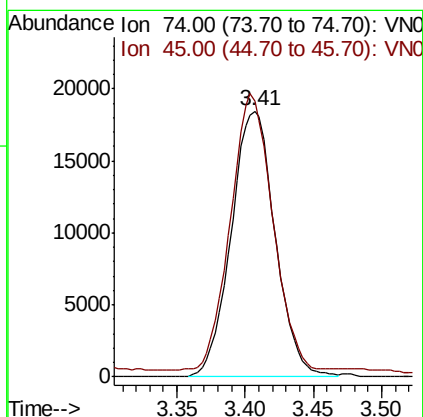
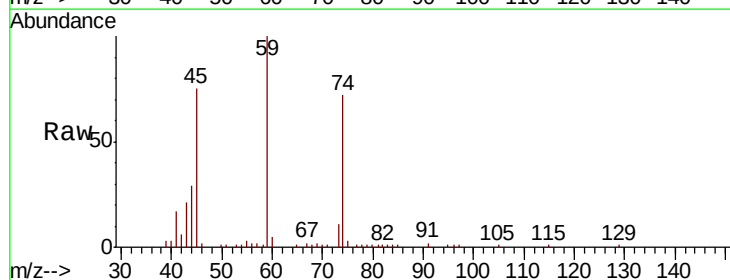
Tot Ion:101 Resp: 92040
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.6 78.8

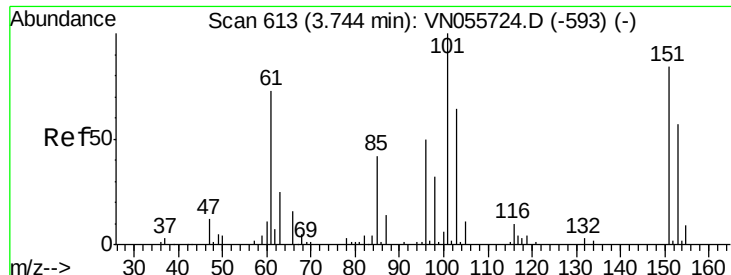


#8

Diethyl Ether
 Concen: 20.931 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 74 Resp: 41343
 Ion Ratio Lower Upper
 74 100
 45 99.0 20.4 184.0

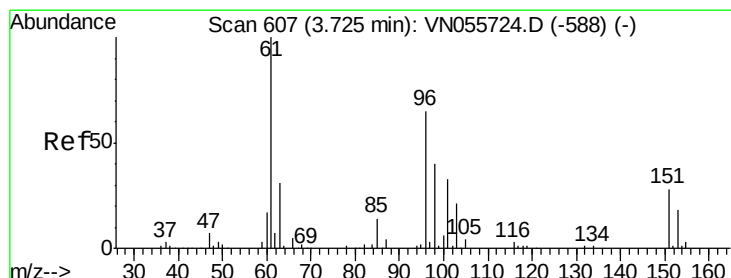
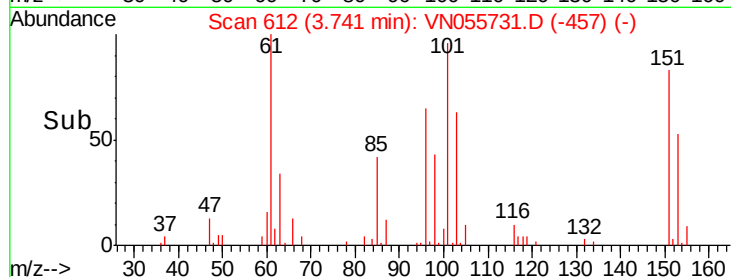
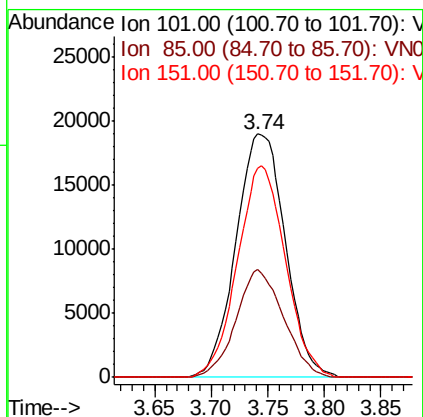
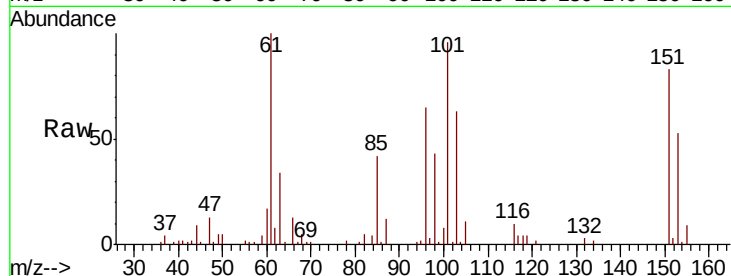




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.298 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

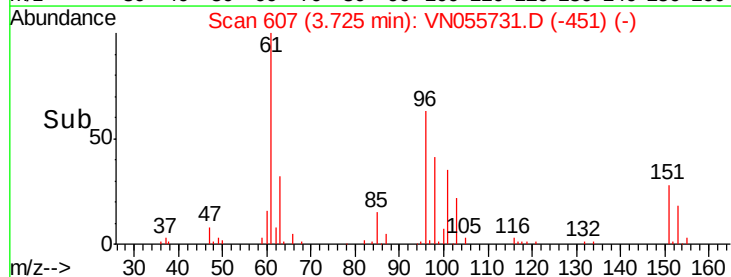
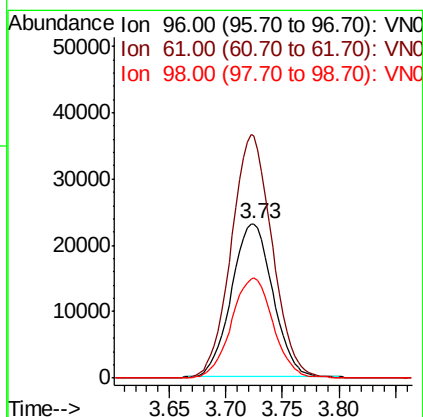
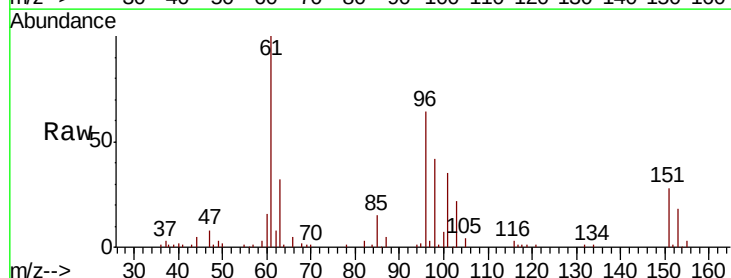
Instrument :
 MSVOA_N
 ClientSampled :
 VN0522WBS01

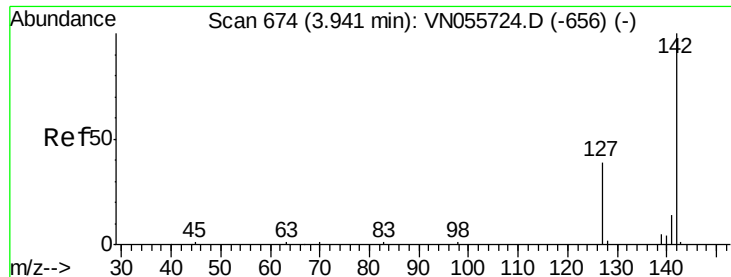
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.7	0.0	86.6
151	84.6	0.0	172.2



#10
 1,1-Dichloroethene
 Concen: 19.767 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	123.7	185.5
98	65.5	50.0	75.0

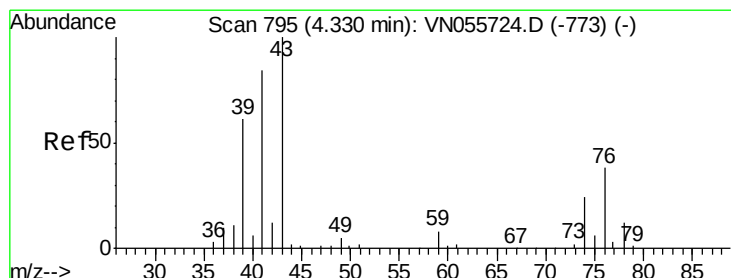
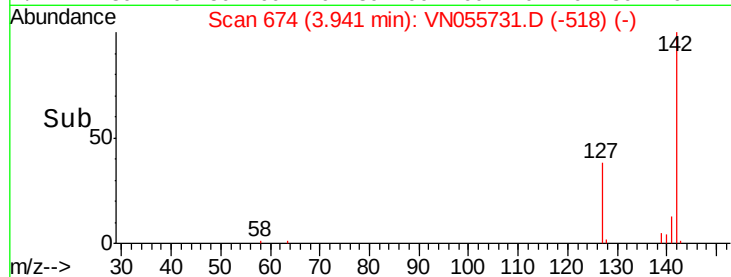
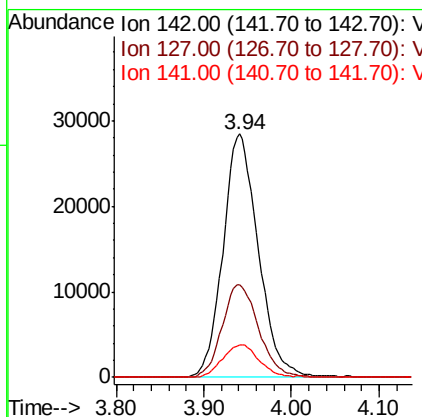
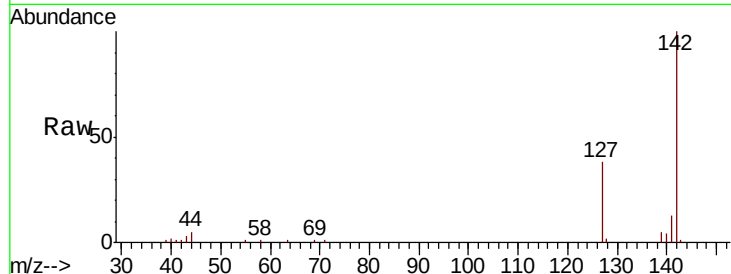




#11
Methvl Iodide
Concen: 18.787 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

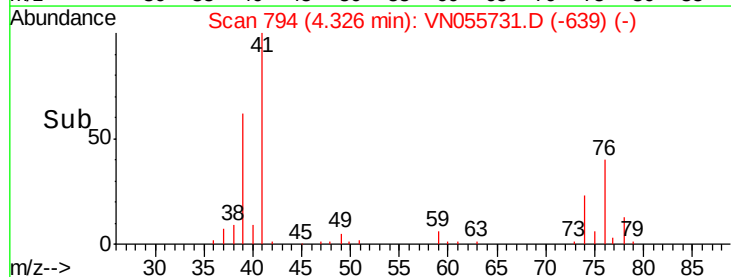
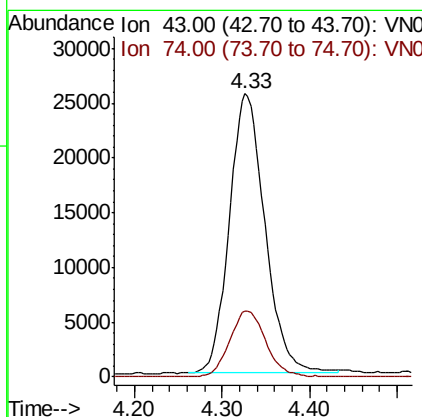
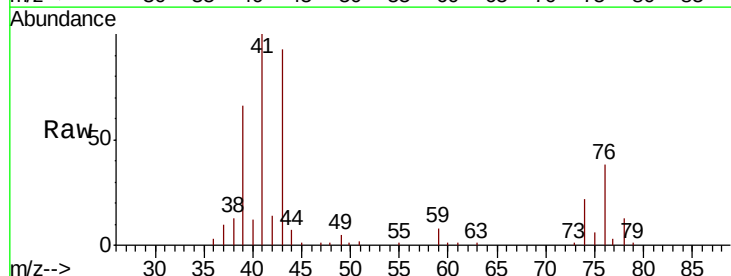
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

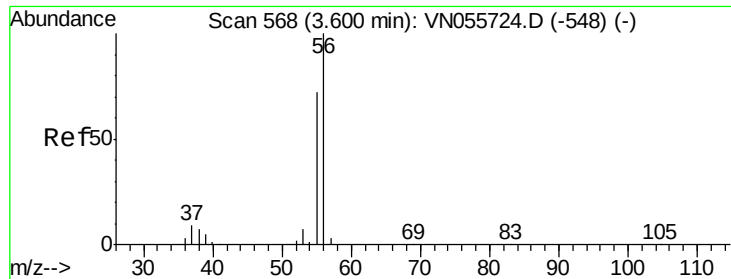
Tot Ion:142 Resp: 79598
Ion Ratio Lower Upper
142 100
127 38.0 19.6 58.7
141 13.1 6.9 20.6



#12
Methyl Acetate
Concen: 19.815 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 71976
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





#13

Acrolein

Concen: 97.077 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

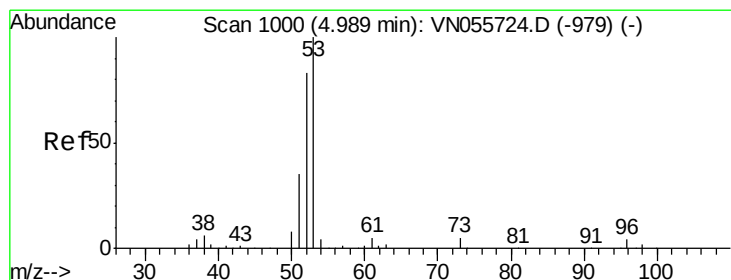
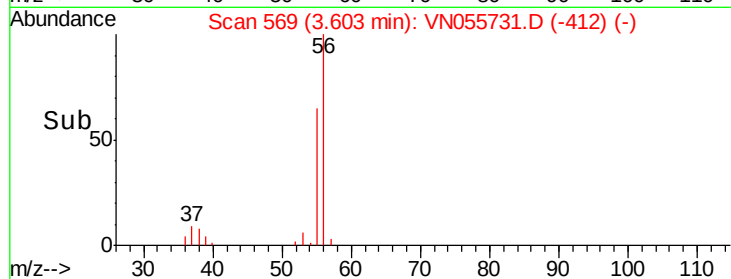
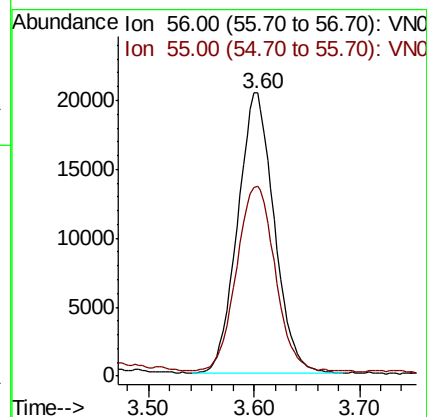
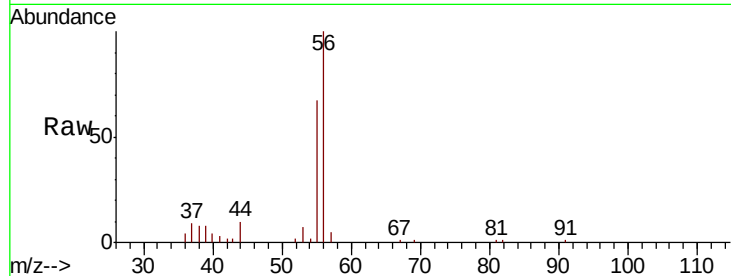
VN0522WBS01

Tot Ion: 56 Resp: 48995

Ion Ratio Lower Upper

56 100

55 68.3 57.0 85.6



#14

Acrylonitrile

Concen: 101.488 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

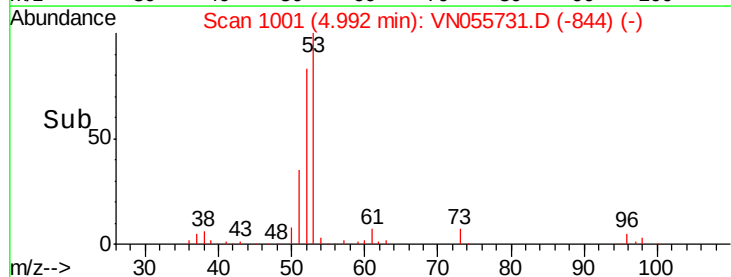
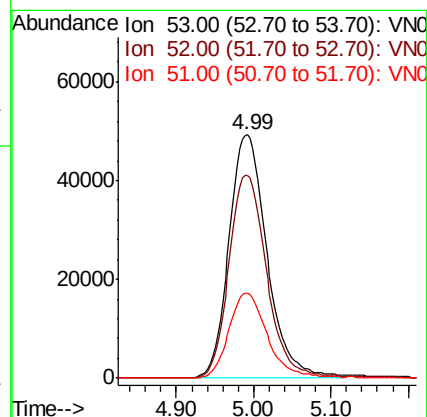
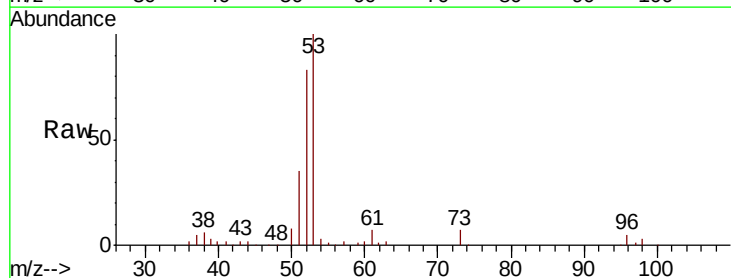
Tgt Ion: 53 Resp: 168066

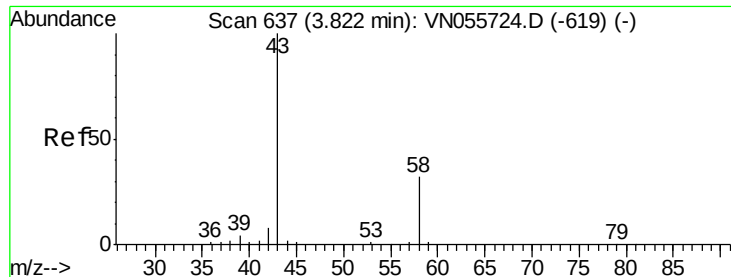
Ion Ratio Lower Upper

53 100

52 82.8 41.1 123.4

51 35.4 17.5 52.6

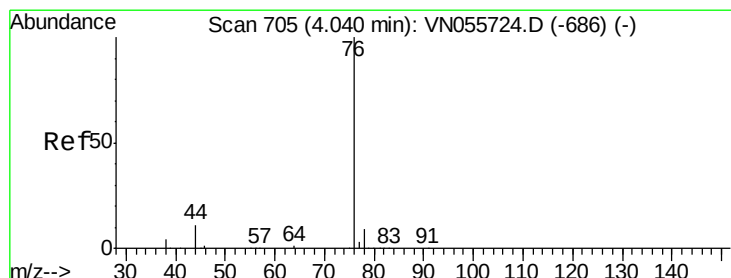
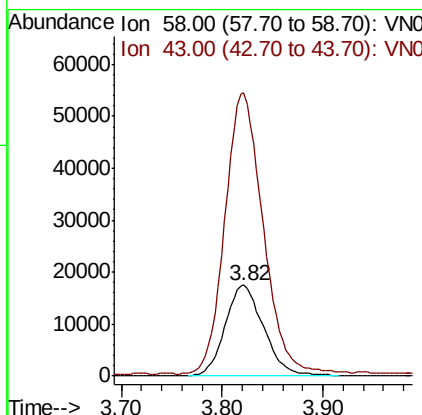
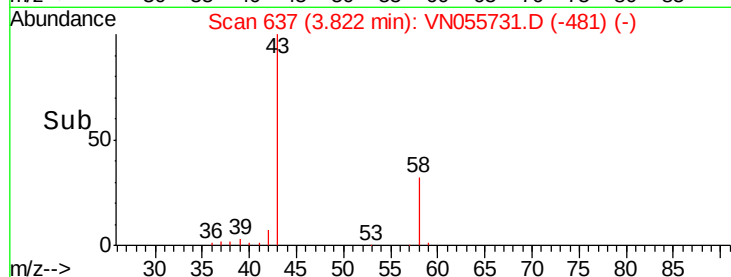
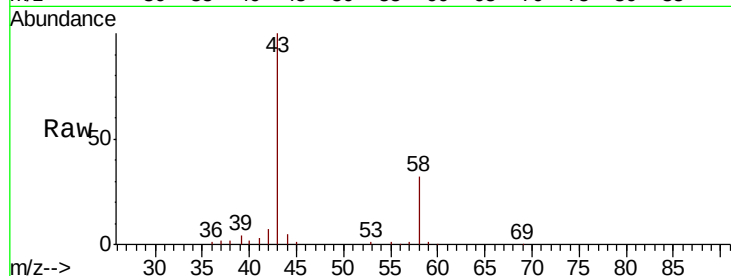




#15
Acetone
Concen: 91.043 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

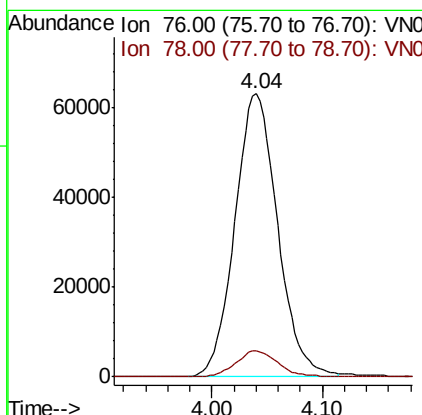
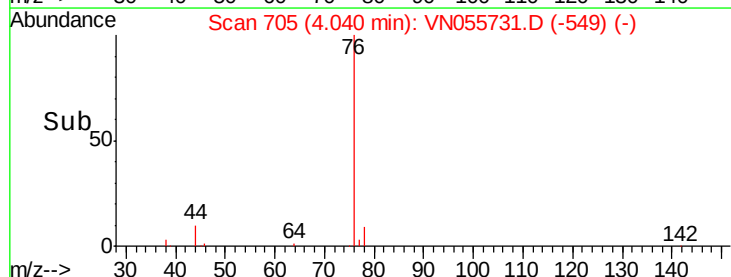
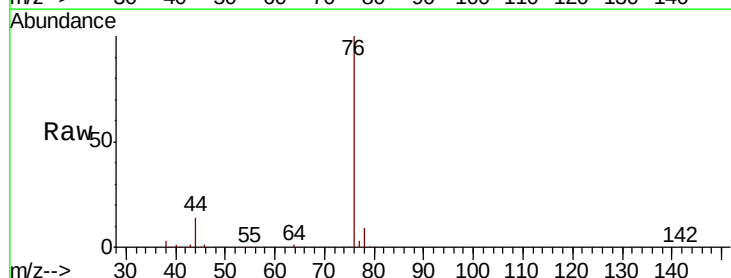
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

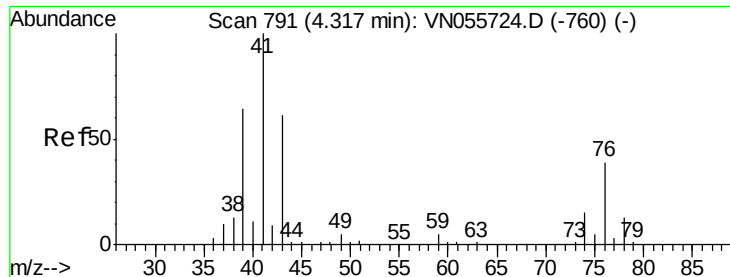
Tot Ion: 58 Resp: 46824
Ion Ratio Lower Upper
58 100
43 307.6 248.8 373.2



#16
Carbon Disulfide
Concen: 19.910 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 76 Resp: 169536
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#17

Allvl chloride

Concen: 20.043 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

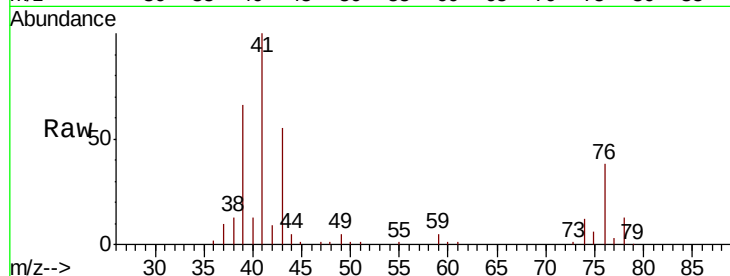
Tot Ion: 41 Resp: 107210

Ion Ratio Lower Upper

41 100

39 65.4 31.8 95.3

76 38.3 19.3 57.9

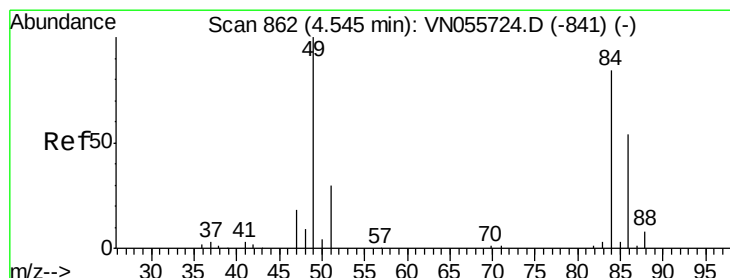
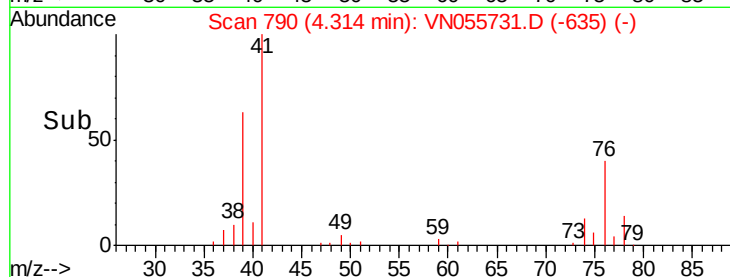
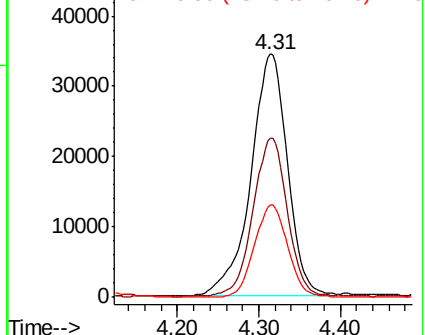


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.239 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion: 84 Resp: 68843

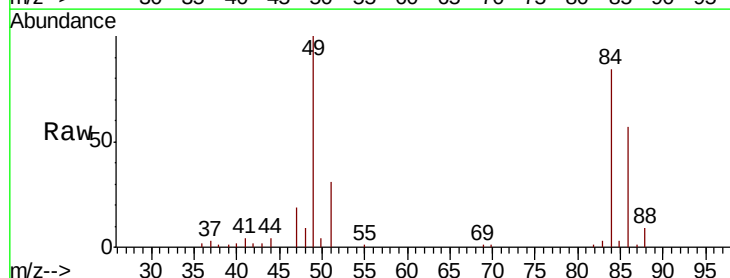
Ion Ratio Lower Upper

84 100

49 119.6 94.7 142.1

51 37.6 28.6 43.0

86 68.4 51.0 76.6



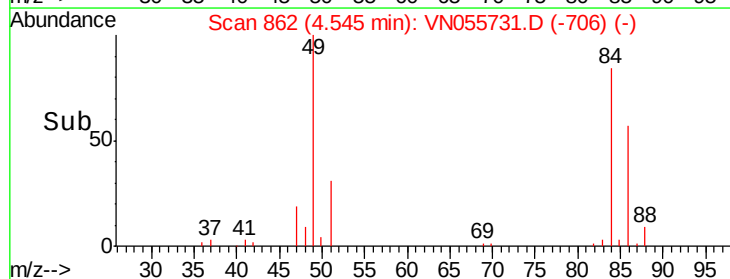
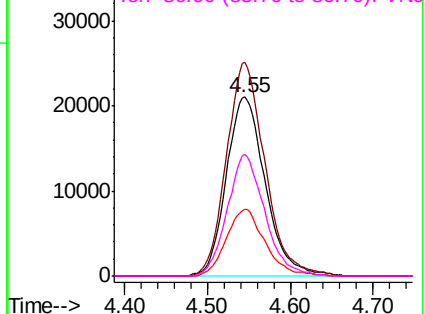
Abundance

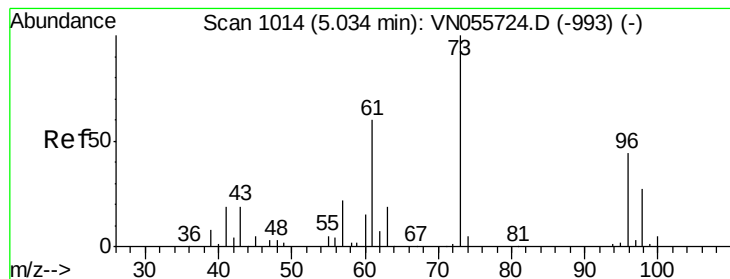
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 20.120 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

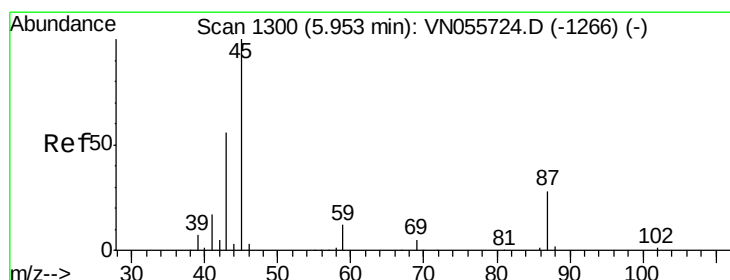
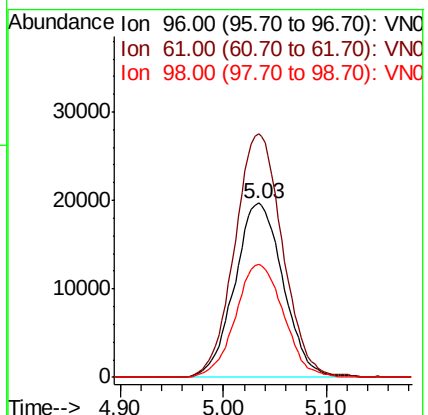
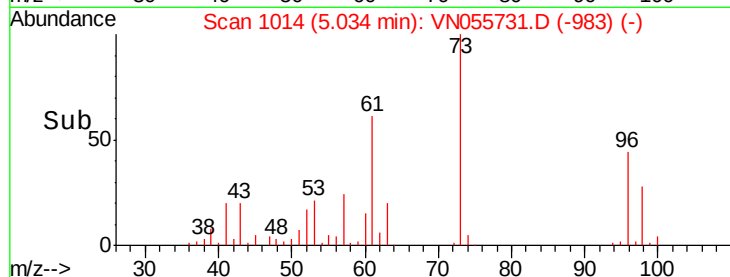
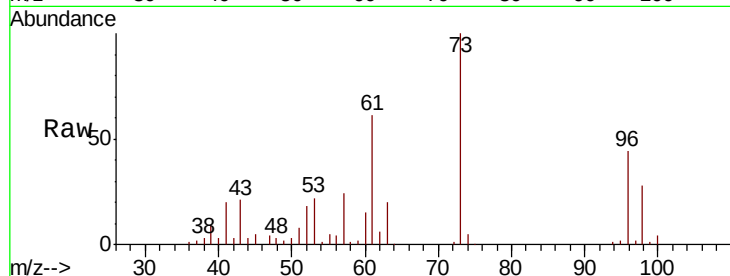
Tot Ion: 96 Resp: 64282

Ion Ratio Lower Upper

96 100

61 140.0 108.5 162.7

98 65.2 49.4 74.2



#20

Diisopropyl ether

Concen: 19.926 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Tgt Ion: 45 Resp: 206759

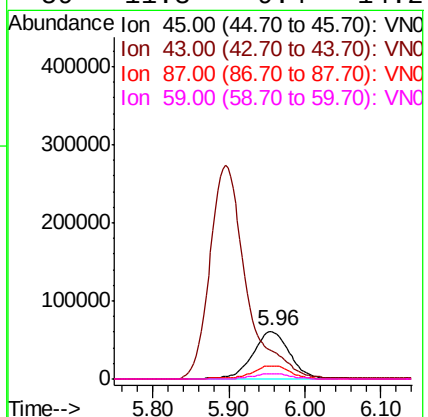
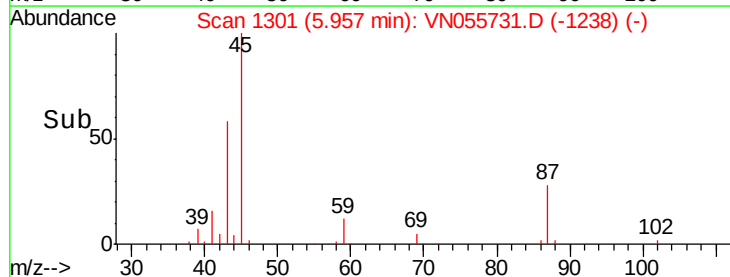
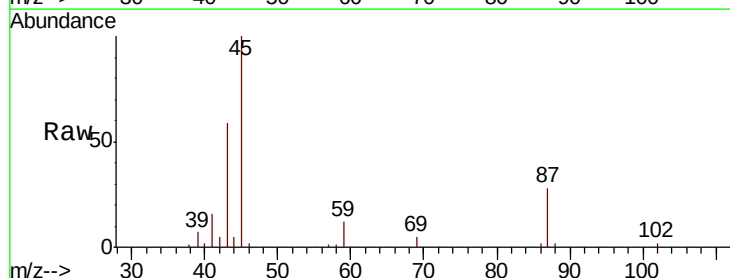
Ion Ratio Lower Upper

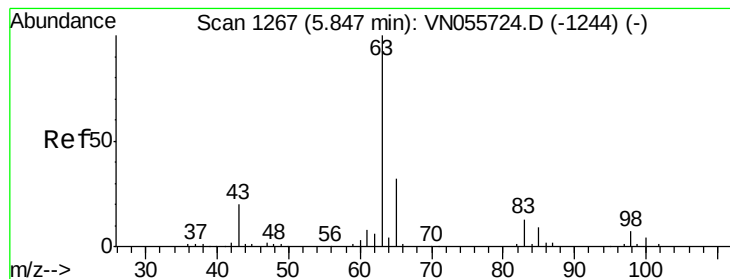
45 100

43 55.9 48.6 73.0

87 27.5 22.6 34.0

59 11.3 9.4 14.2





#21

1,1-Dichloroethane

Concen: 20.240 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

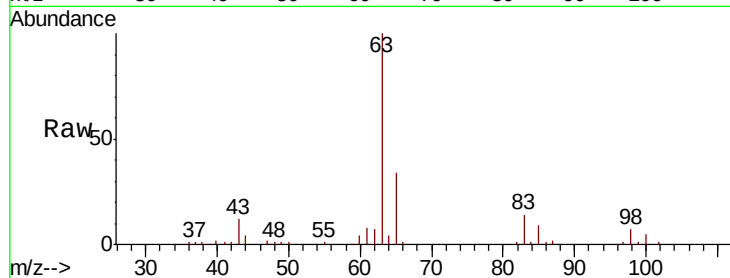
Tot Ion: 63 Resp: 118697

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

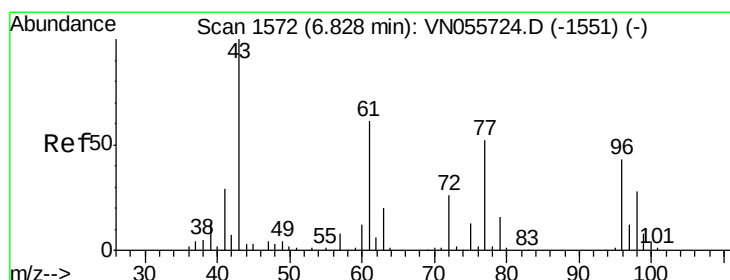
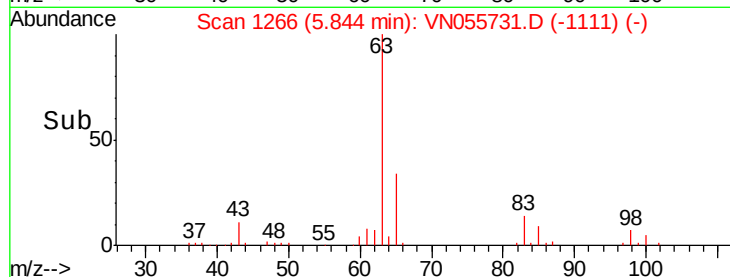
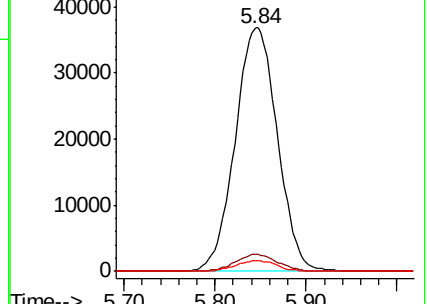
100 4.6 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.457 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

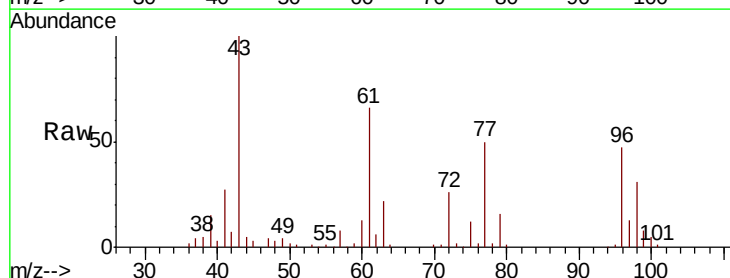
Tgt Ion: 96 Resp: 76224

Ion Ratio Lower Upper

96 100

61 139.9 115.7 173.5

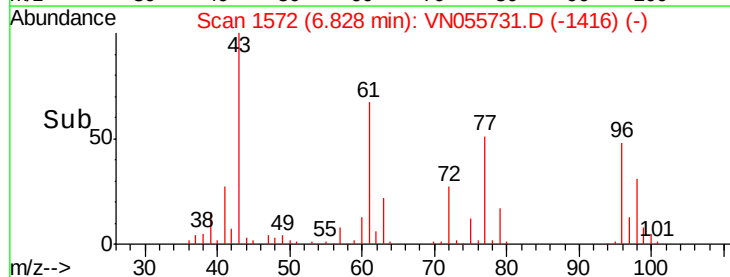
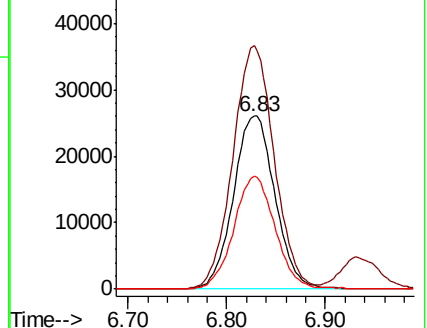
98 64.7 51.5 77.3

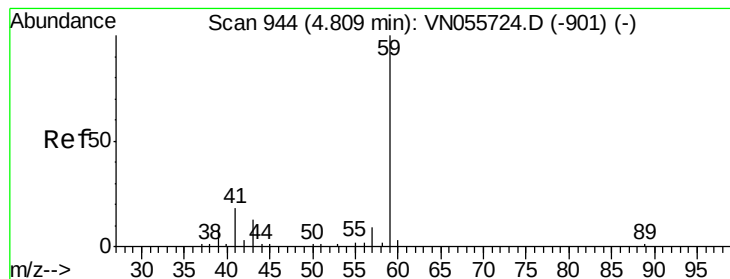


Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)





#23

tert-Butyl Alcohol

Concen: 96.897 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

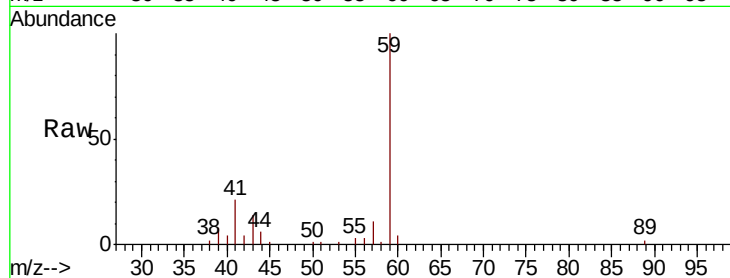
VN0522WBS01

Tot Ion: 59 Resp: 70472

Ion Ratio Lower Upper

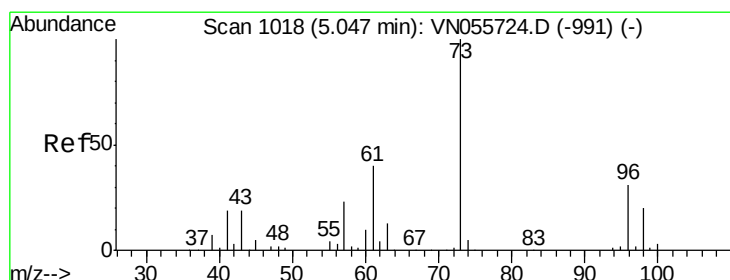
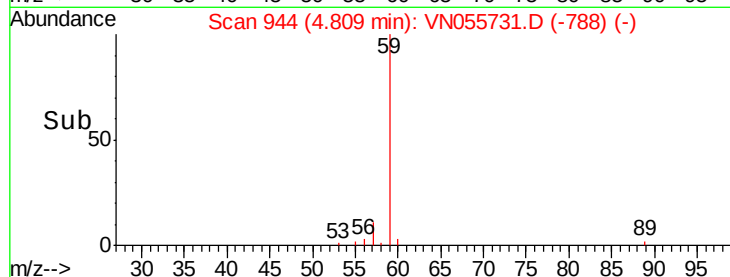
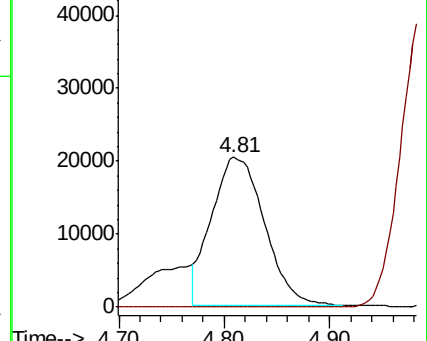
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.256 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055731.D

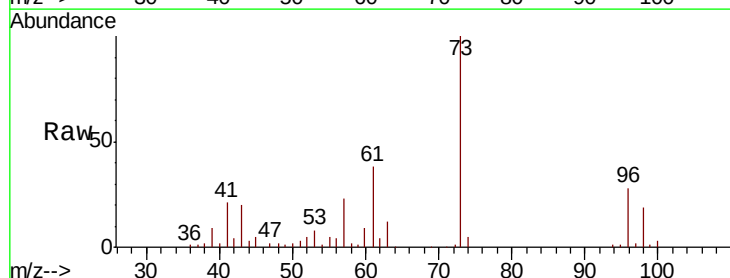
Acq: 22 May 2019 21:07

Tgt Ion: 73 Resp: 204123

Ion Ratio Lower Upper

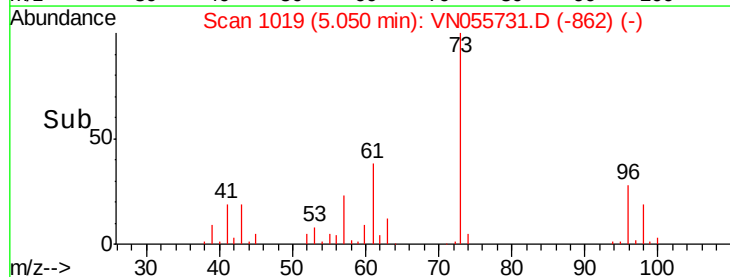
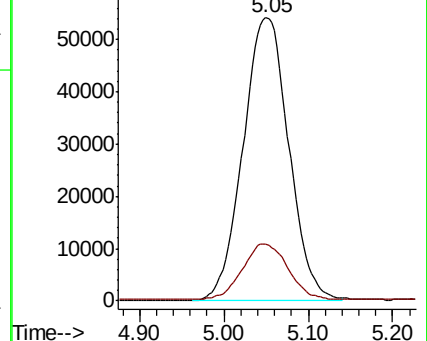
73 100

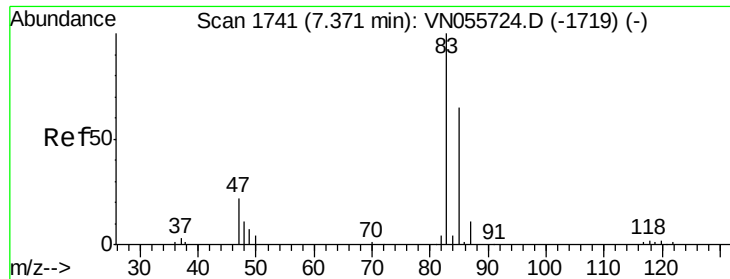
43 19.5 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

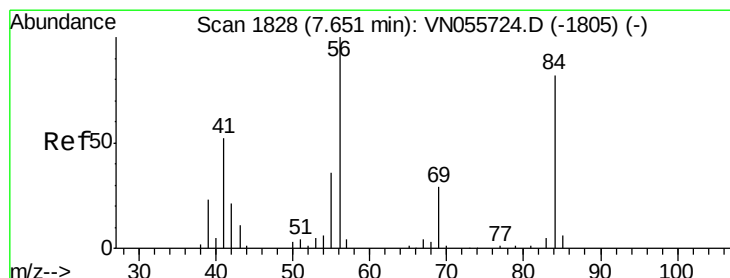
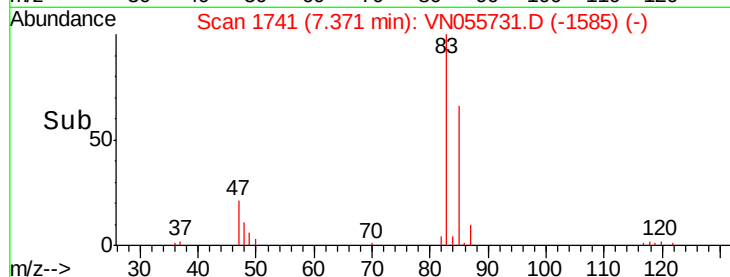
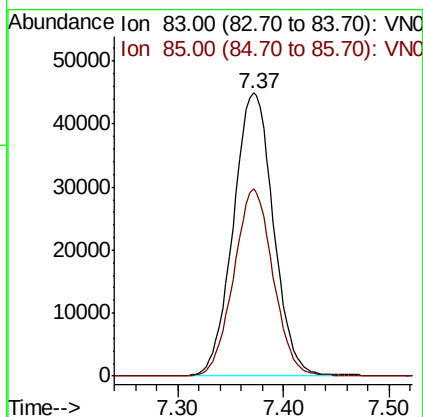
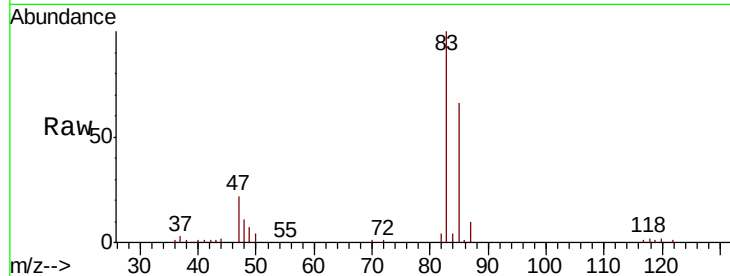




#25
Chloroform
Concen: 20.507 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

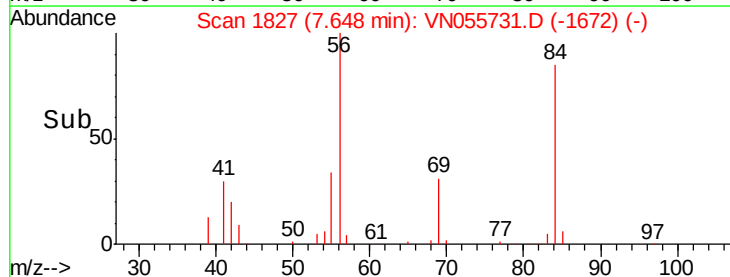
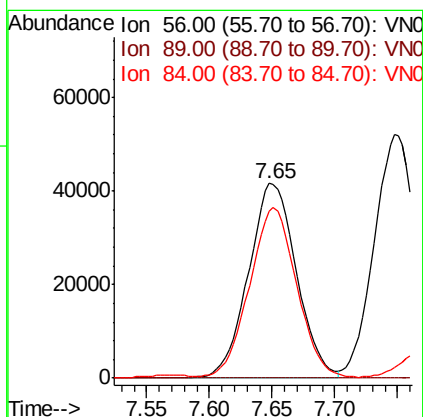
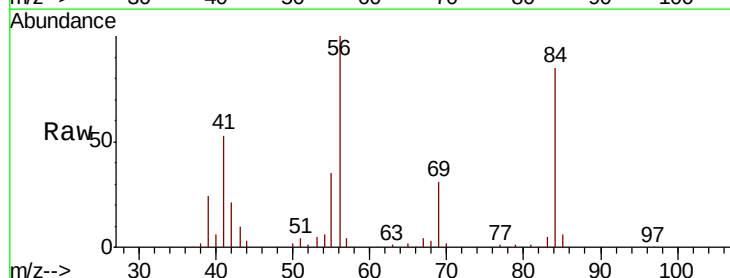
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

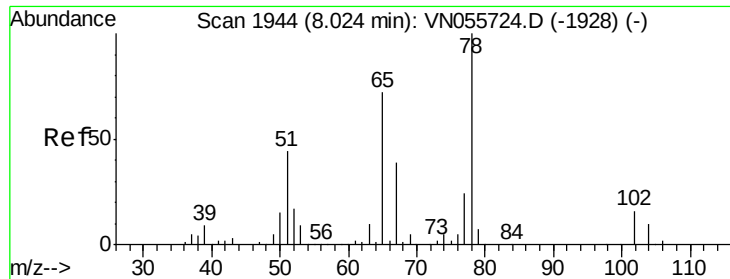
Tot Ion: 83 Resp: 118780
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5



#26
Cyclohexane
Concen: 20.478 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 56 Resp: 110788
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.6 67.2 100.8

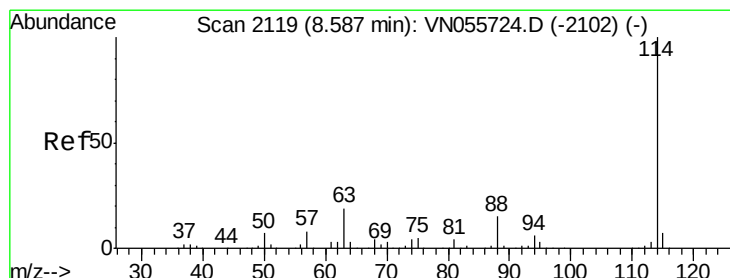
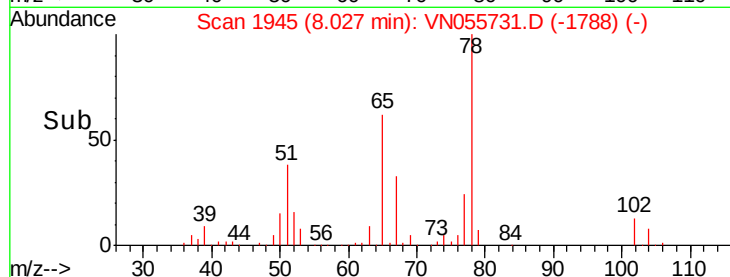
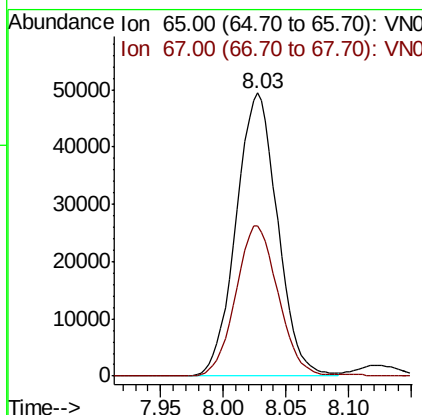
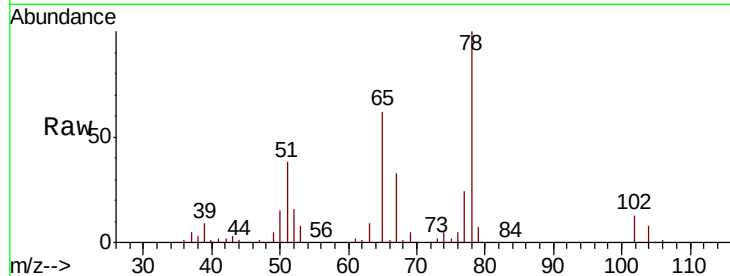




#27
 1,2-Dichloroethane-d4
 Concen: 30.895 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

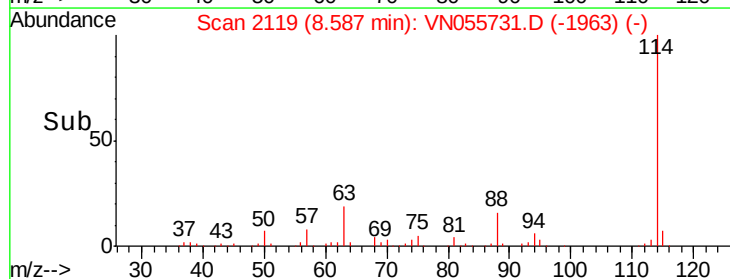
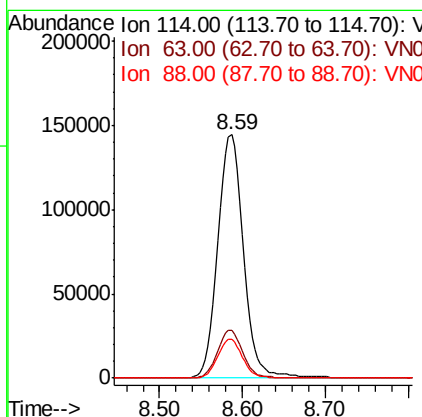
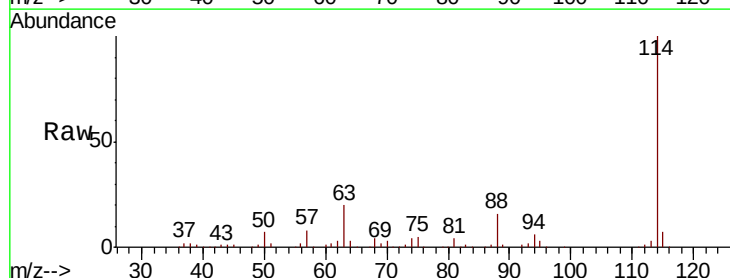
Instrument :
 MSVOA_N
 ClientSampled :
 VN0522WBS01

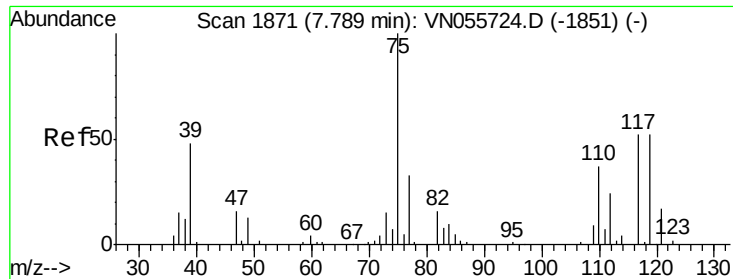
Tot Ion: 65 Resp: 113625
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 114 Resp: 310650
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.4 12.3 18.5

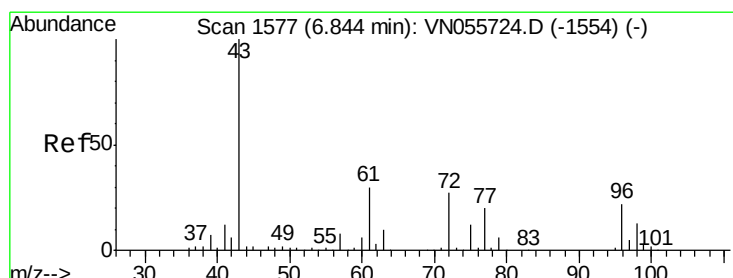
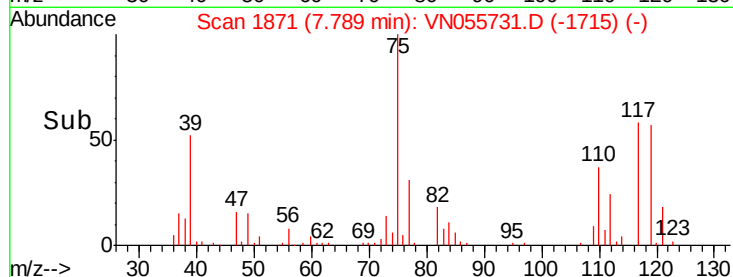
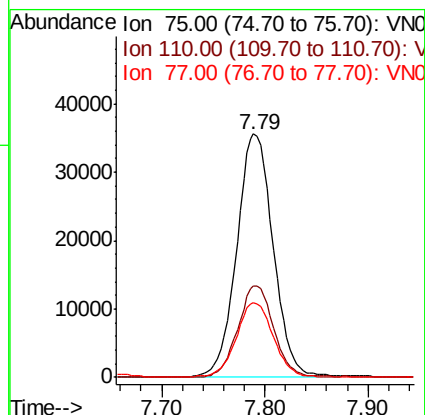
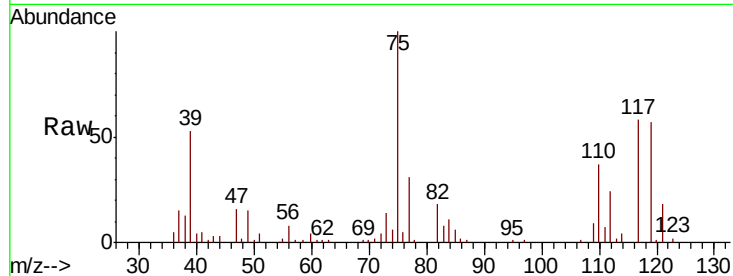




#29
 1,1-Dichloropropene
 Concen: 20.165 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

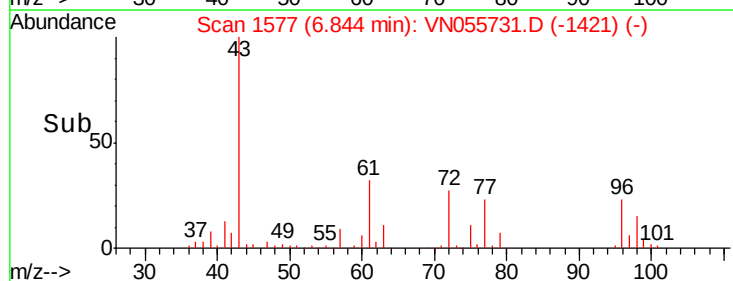
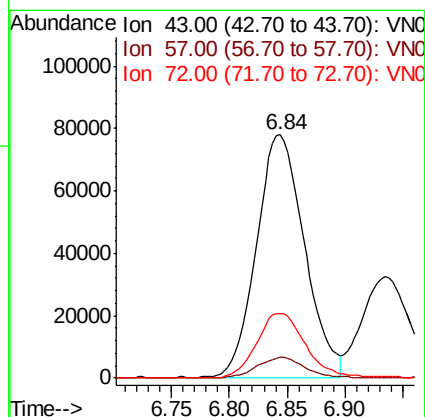
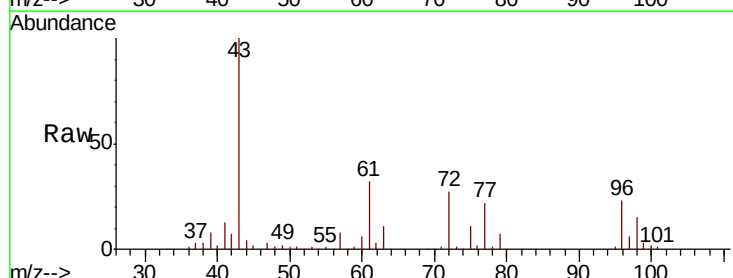
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

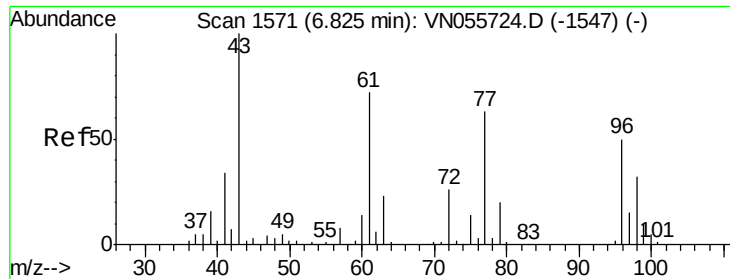
Tot Ion: 75 Resp: 87694
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 74.8
 77 31.3 0.0 65.2



#30
 2-Butanone
 Concen: 96.271 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 223150
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.6 10.0
 72 27.2 21.7 32.5

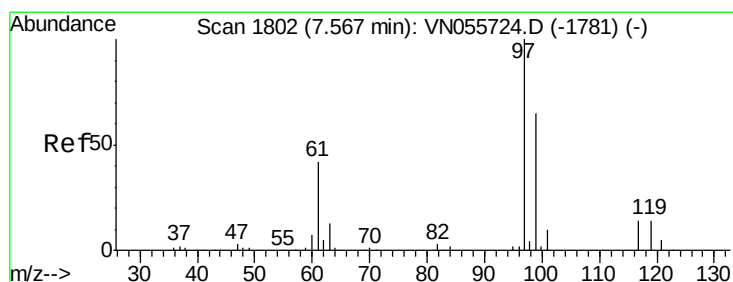
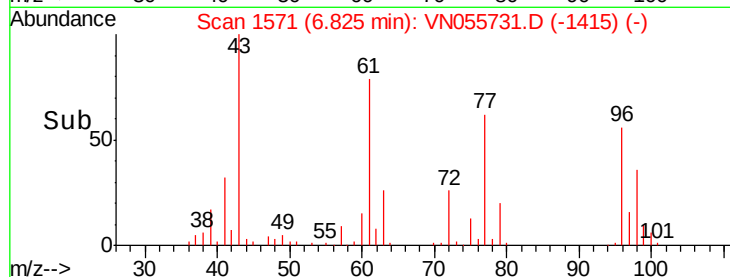
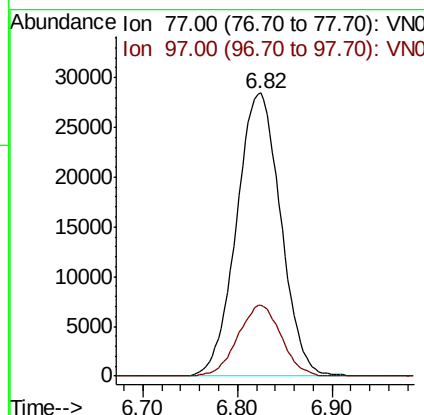
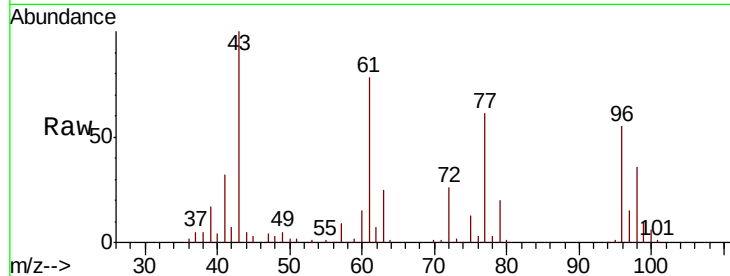




#31
 2,2-Dichloropropane
 Concen: 18.198 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

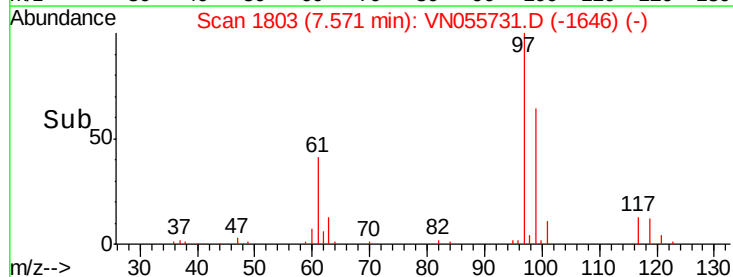
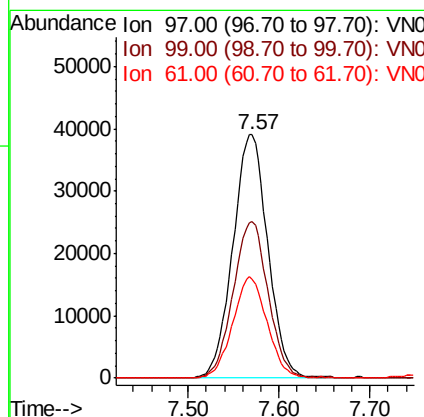
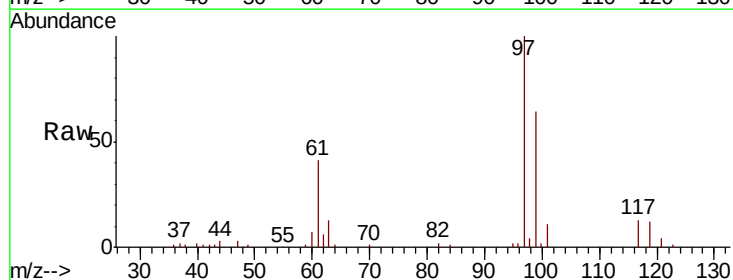
Instrument :
 MSVOA_N
 ClientSampled :
 VN0522WBS01

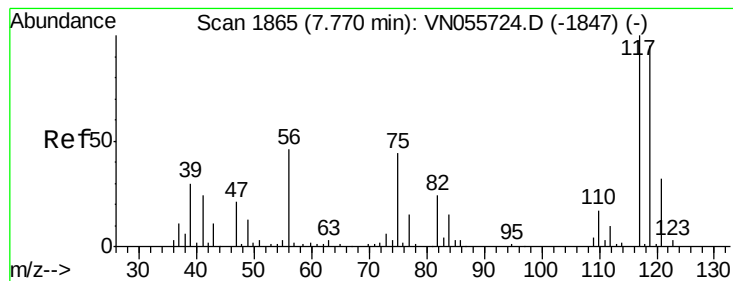
Tot Ion: 77 Resp: 92092
 Ion Ratio Lower Upper
 77 100
 97 24.6 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 20.249 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 97 Resp: 104372
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 40.7 33.1 49.7





#33

Carbon Tetrachloride

Concen: 20.011 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

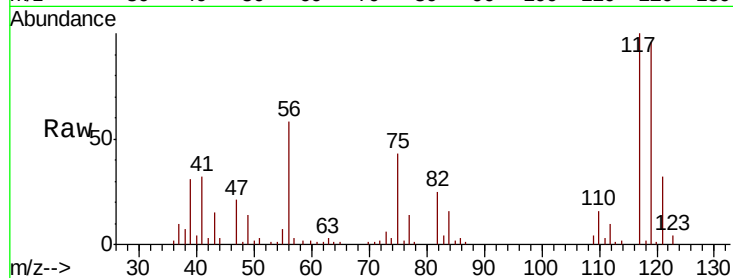
Tot Ion:117 Resp: 92273

Ion Ratio Lower Upper

117 100

119 96.3 75.8 113.8

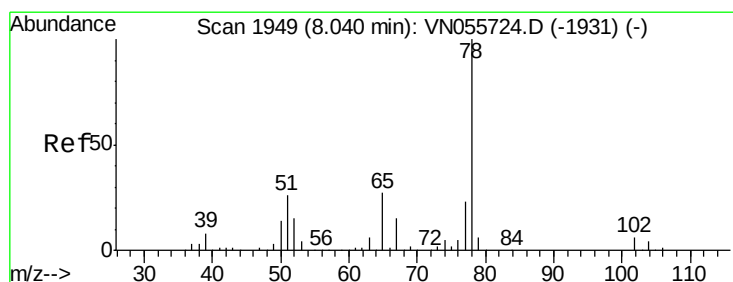
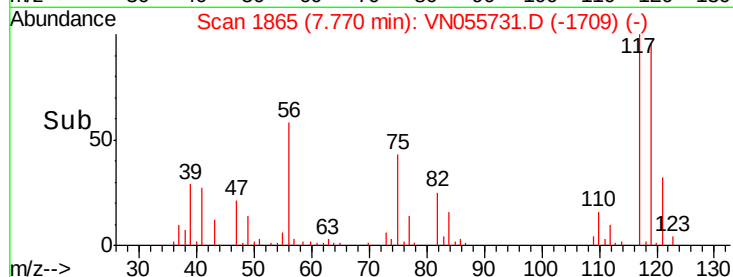
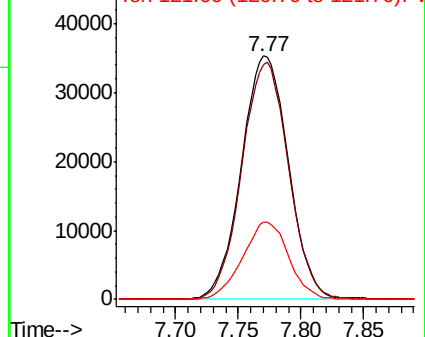
121 31.9 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.199 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

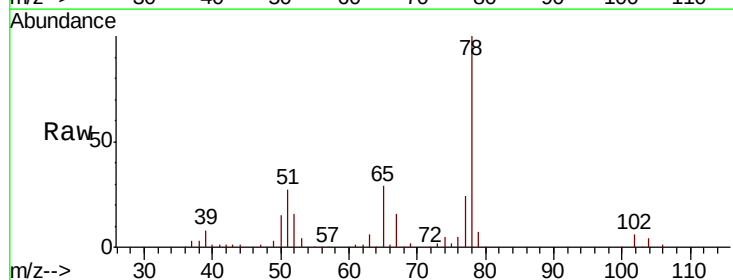
Tgt Ion: 78 Resp: 271194

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

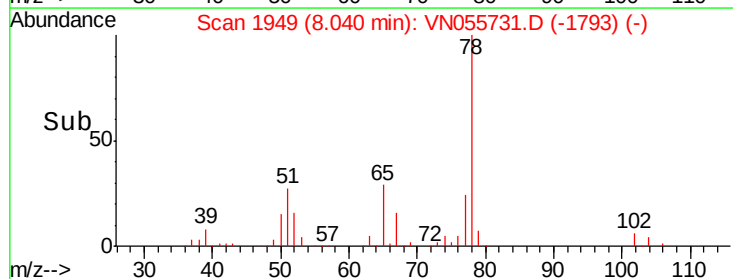
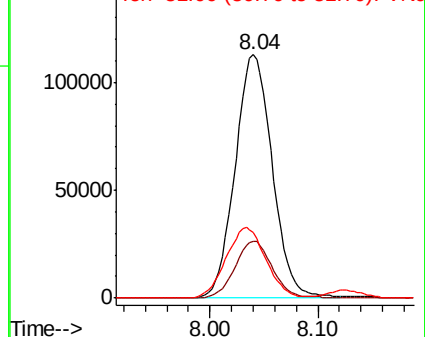
51 26.6 20.6 31.0

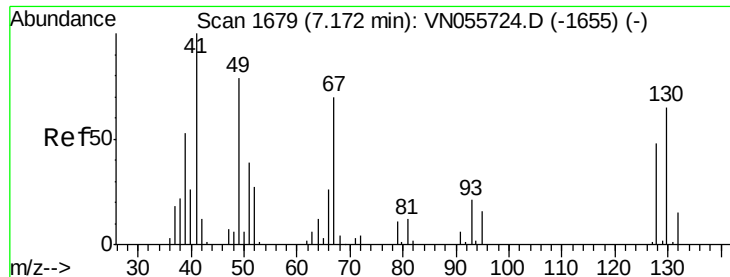


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

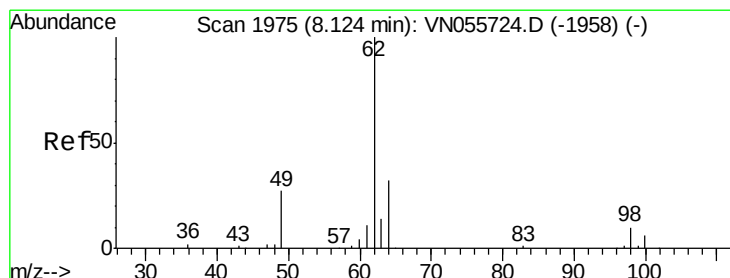
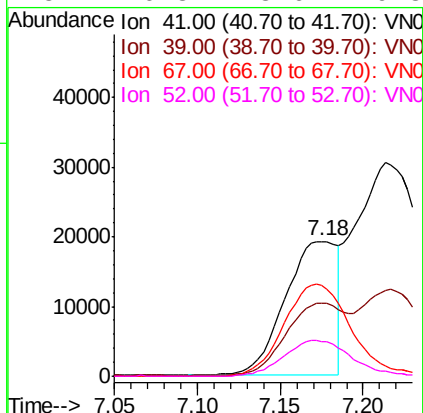
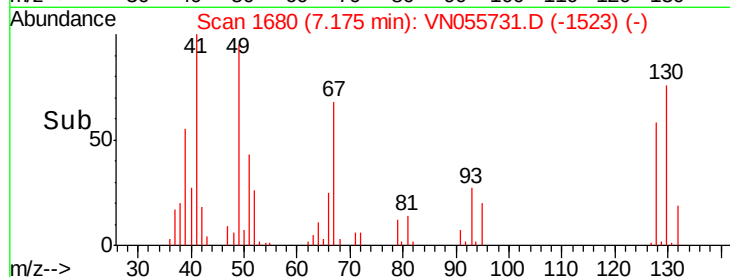
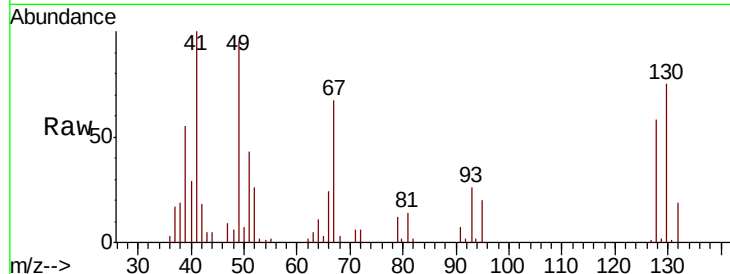




#35
Methacrylonitrile
Concen: 19.588 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

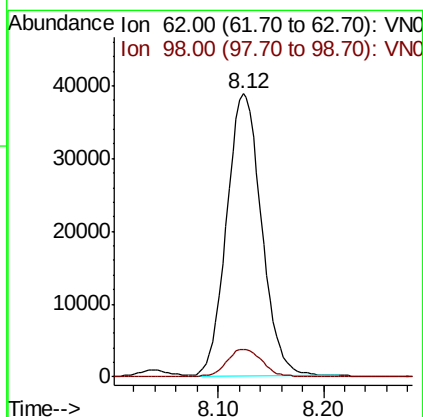
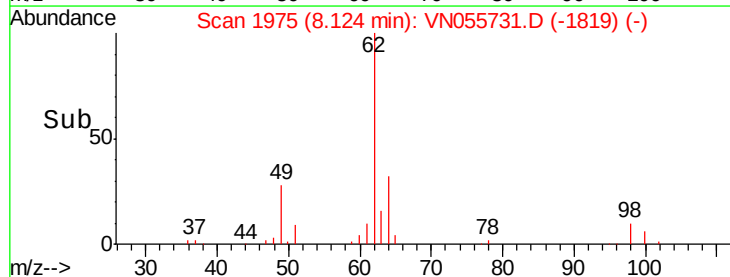
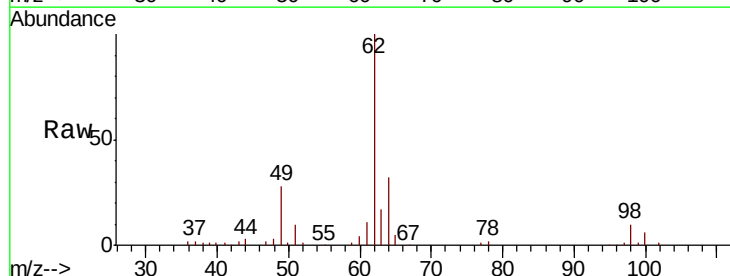
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

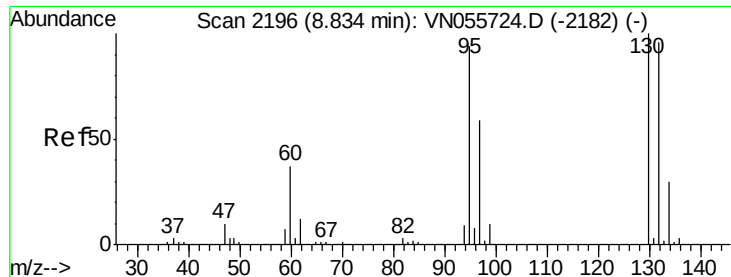
Tot Ion:	41	Resp:	41908
Ion	Ratio	Lower	Upper
41	100		
39	55.1	26.7	80.1
67	68.1	34.9	104.7
52	26.3	13.6	40.8



#36
1,2-Dichloroethane
Concen: 20.306 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:	62	Resp:	89093
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.2	12.2

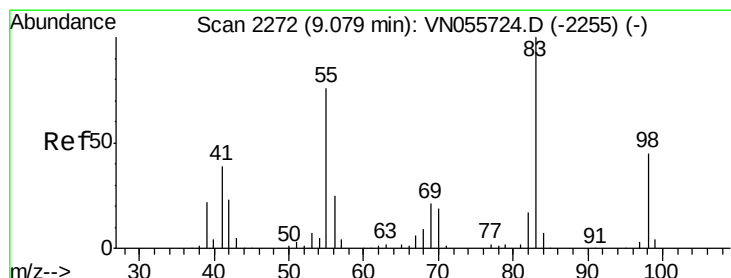
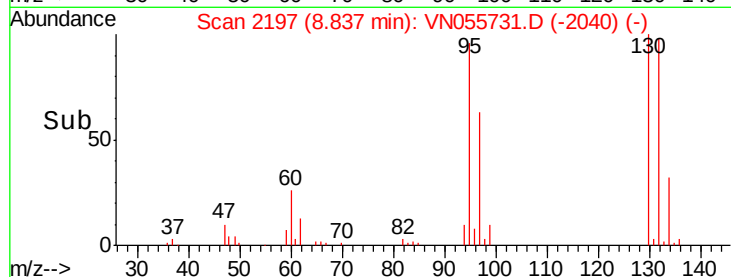
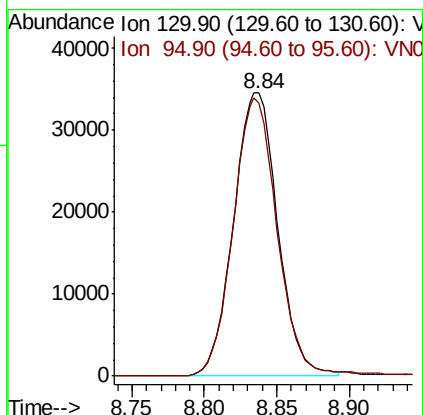
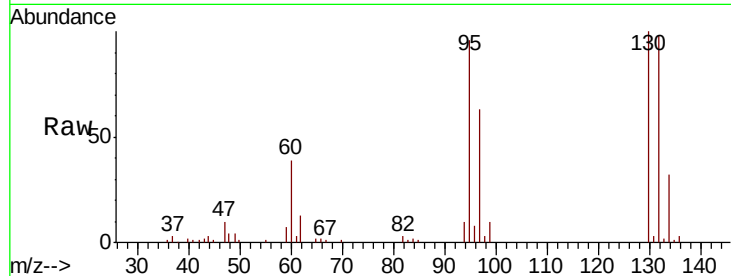




#37
 Trichloroethene
 Concen: 19.511 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

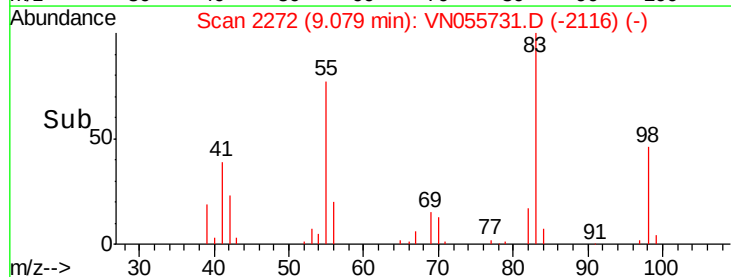
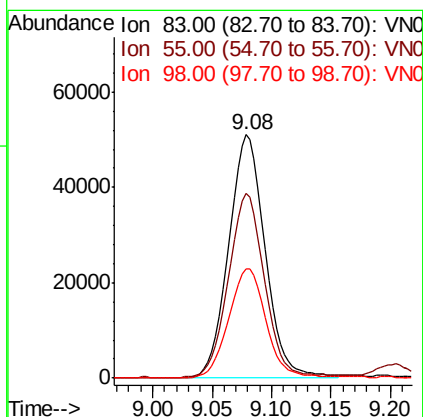
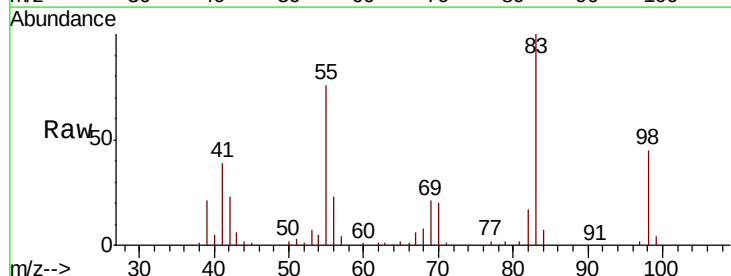
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

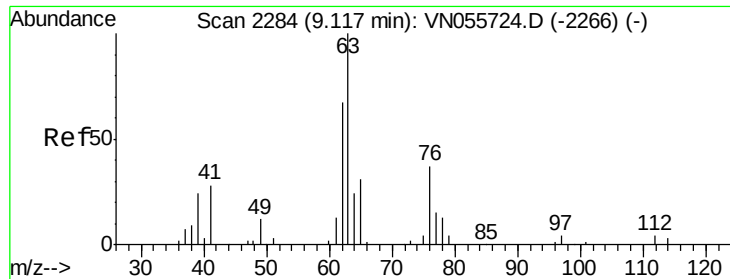
Tot Ion:130 Resp: 73089
 Ion Ratio Lower Upper
 130 100
 95 96.3 75.6 113.4



#38
 Methylcyclohexane
 Concen: 19.727 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 83 Resp: 108692
 Ion Ratio Lower Upper
 83 100
 55 73.8 37.8 113.4
 98 46.1 22.6 67.8

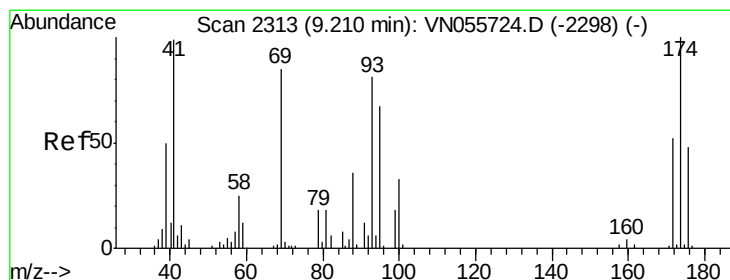
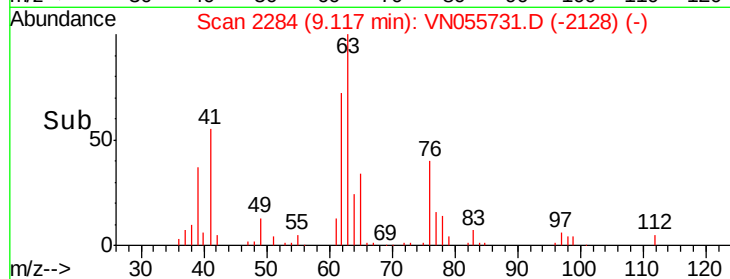
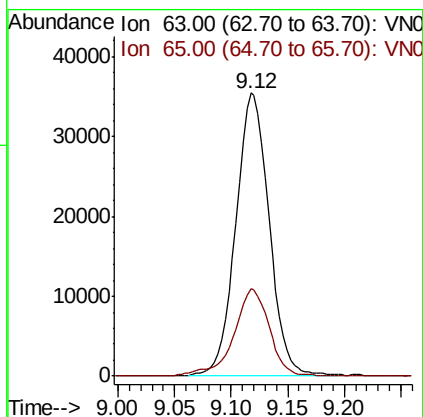
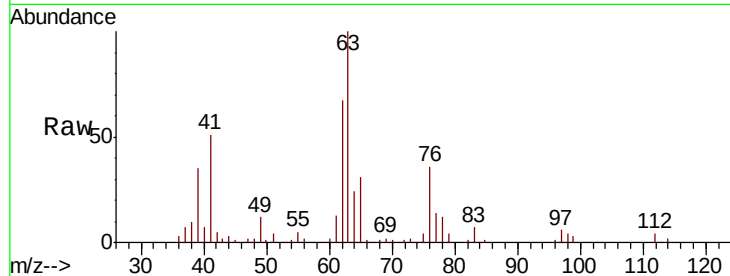




#39
 1,2-Dichloropropane
 Concen: 20.251 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

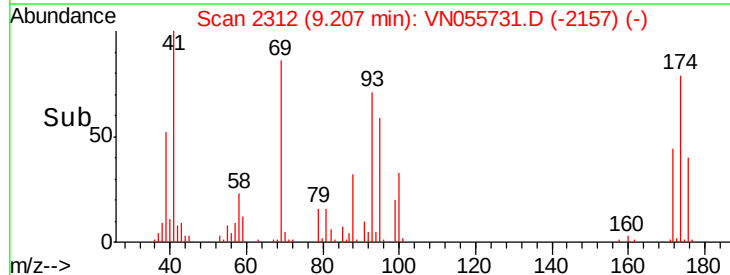
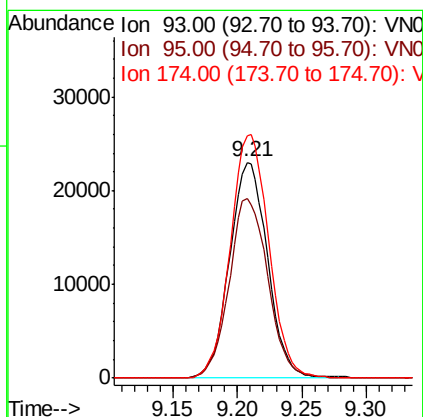
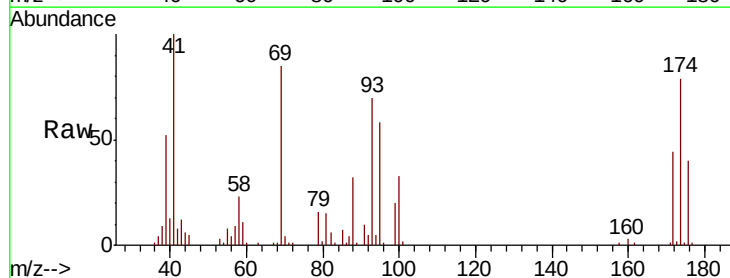
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

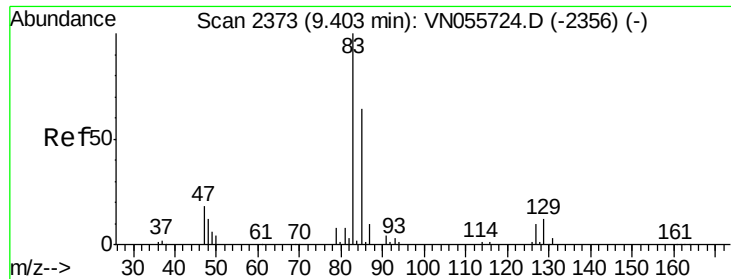
Tot Ion: 63 Resp: 73093
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.8 38.8



#40
 Dibromomethane
 Concen: 20.253 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 93 Resp: 47203
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 170.6
 174 114.1 0.0 248.4





#41

Bromodichloromethane

Concen: 20.039 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

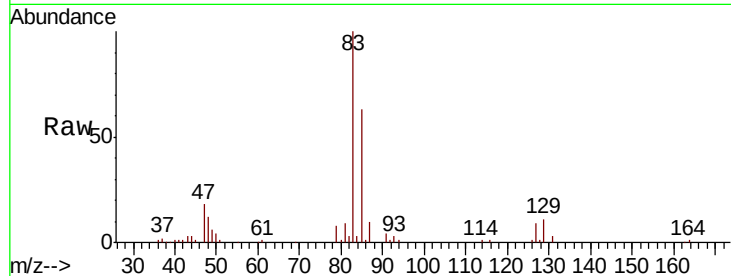
Tot Ion: 83 Resp: 95723

Ion Ratio Lower Upper

83 100

85 63.4 51.4 77.0

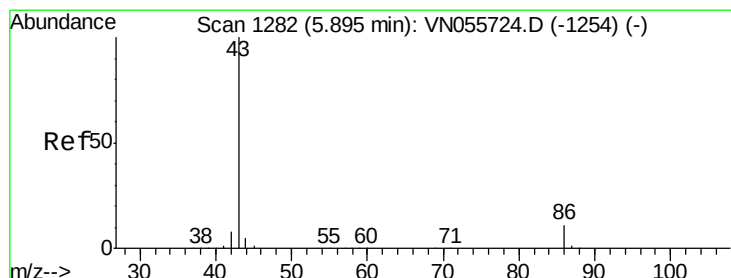
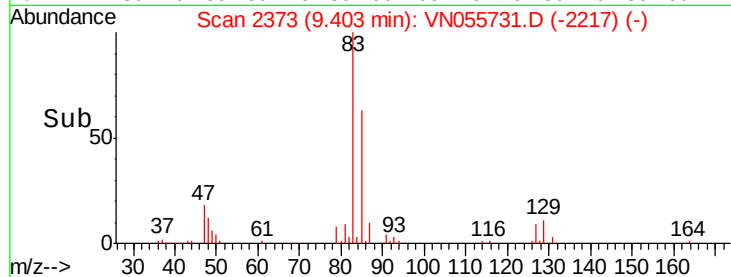
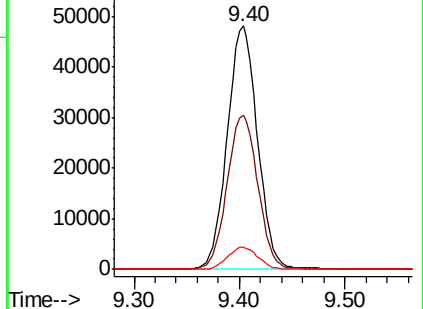
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 101.413 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055731.D

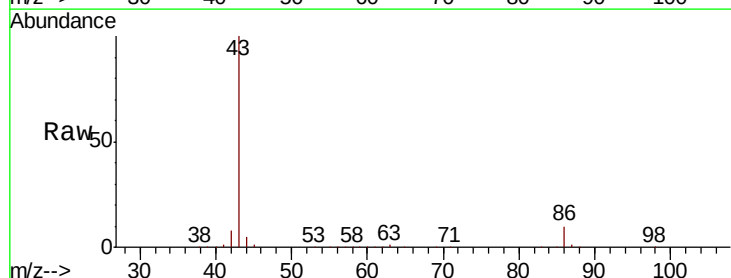
Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 912668

Ion Ratio Lower Upper

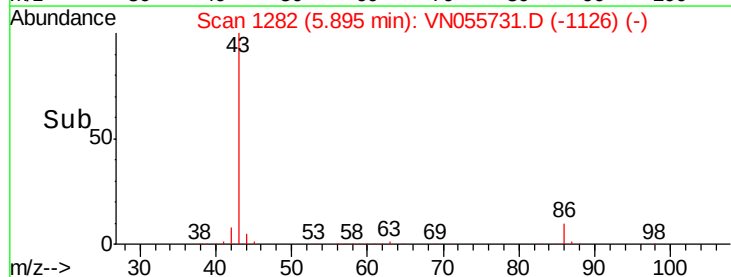
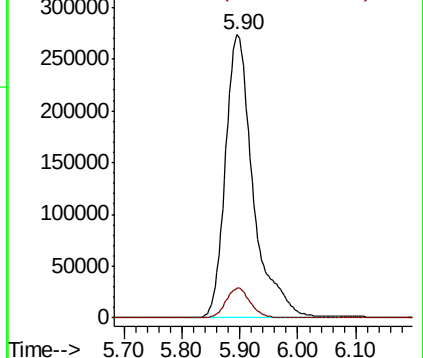
43 100

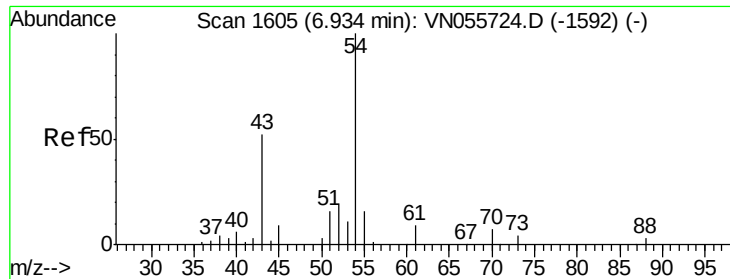
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.538 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

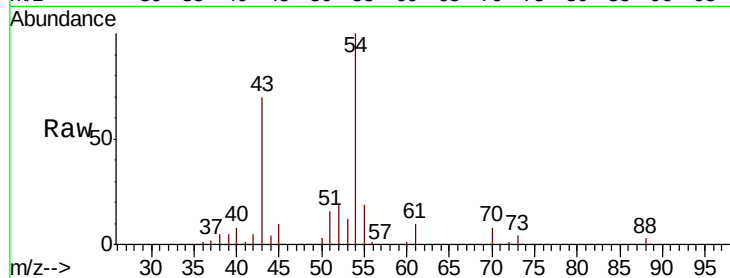
VN0522WBS01

Tot Ion: 43 Resp: 89018

Ion Ratio Lower Upper

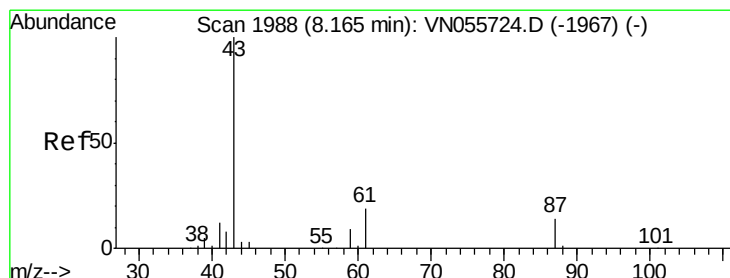
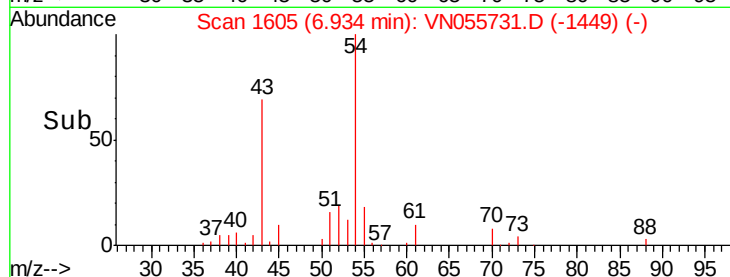
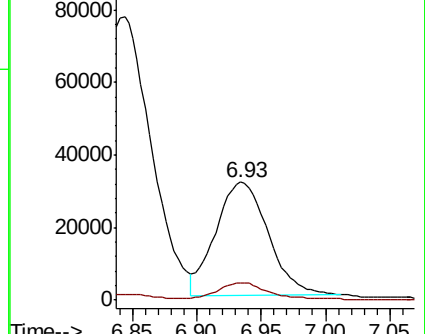
43 100

45 13.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.704 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055731.D

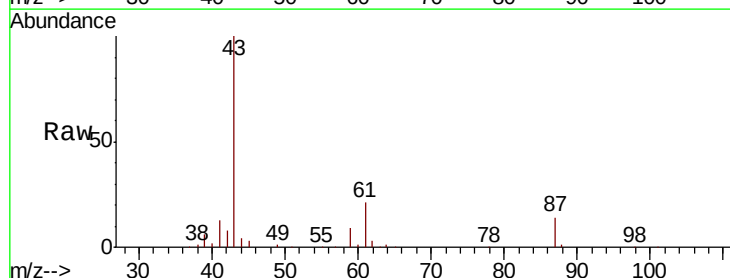
Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 148658

Ion Ratio Lower Upper

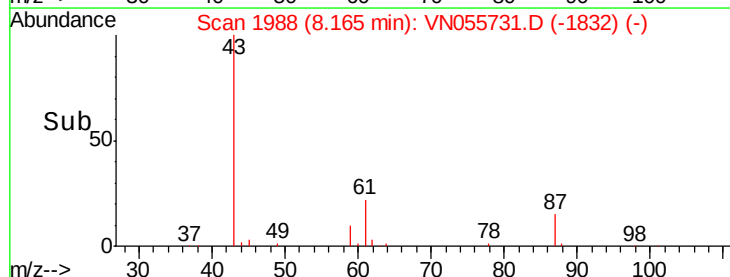
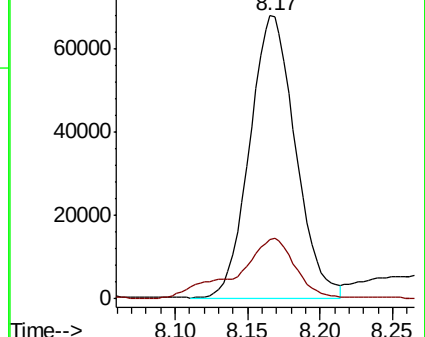
43 100

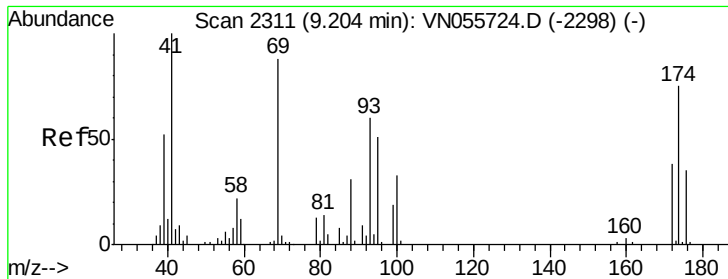
61 20.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 383.636 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

VN0522WBS01

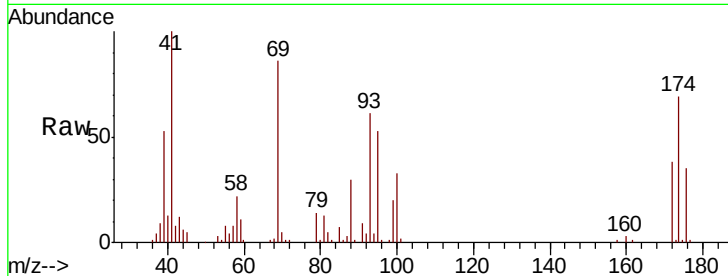
Tot Ion: 88 Resp: 27230

Ion Ratio Lower Upper

88 100

43 28.4 20.5 30.7

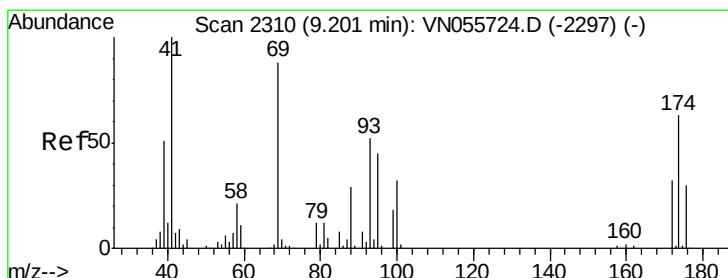
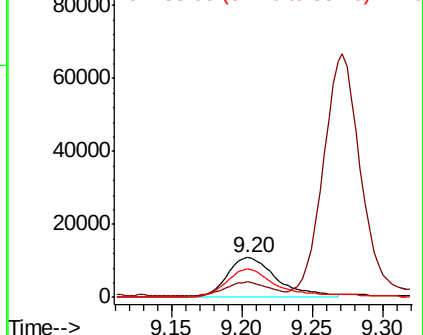
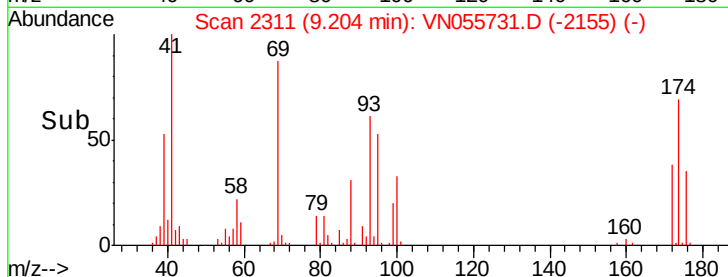
58 68.4 56.1 84.1



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.561 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

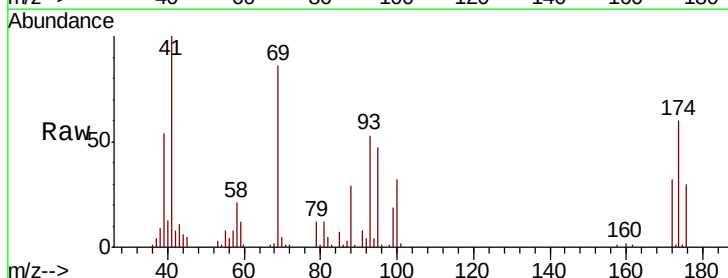
Tgt Ion: 41 Resp: 72375

Ion Ratio Lower Upper

41 100

69 87.6 43.8 131.4

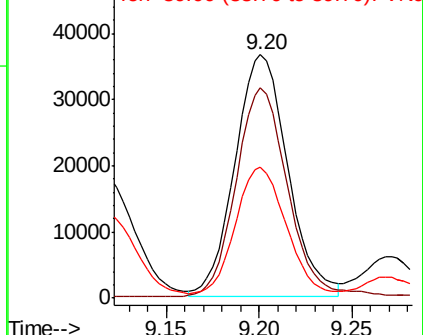
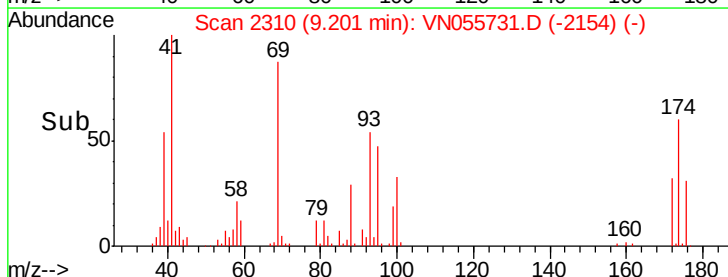
39 53.1 25.6 76.6

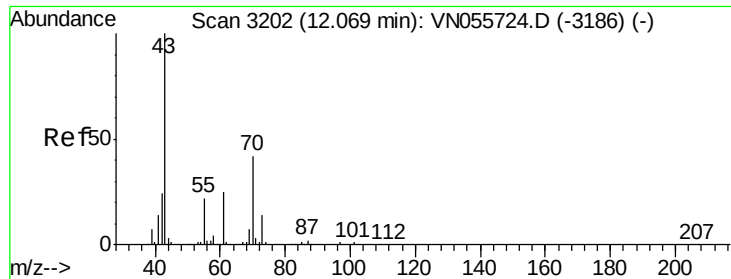


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

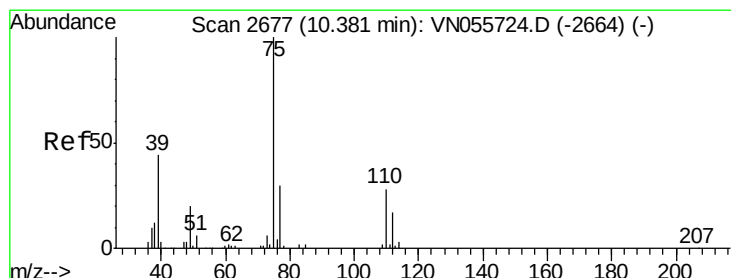
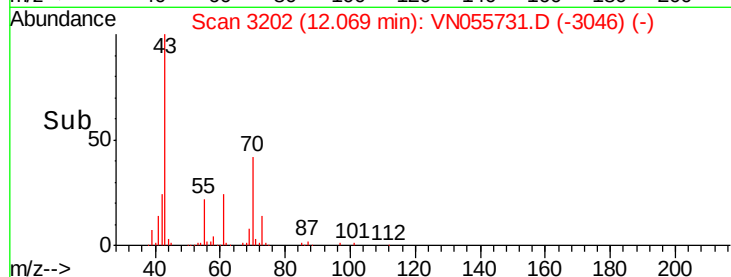
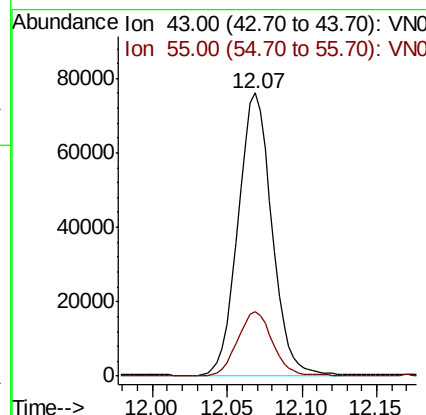
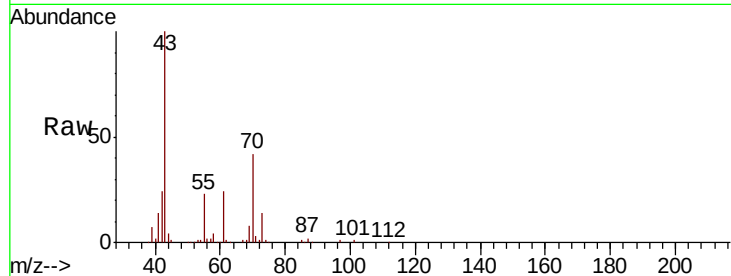




#47
n-amyl Acetate
Concen: 19.105 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

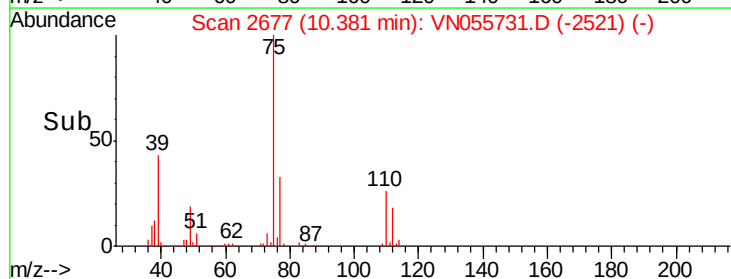
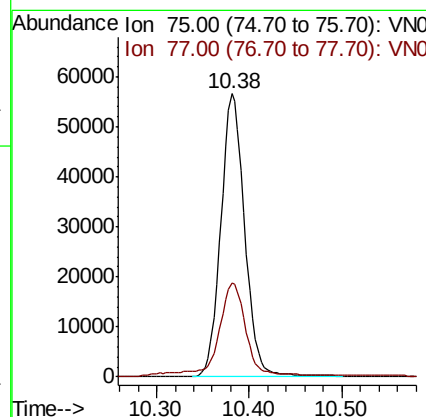
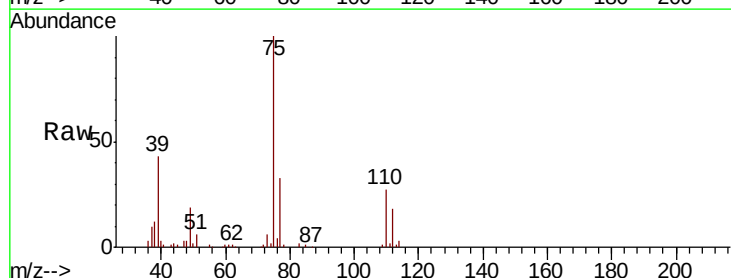
Instrument :
MSVOA_N
ClientSampled :
VN0522WBS01

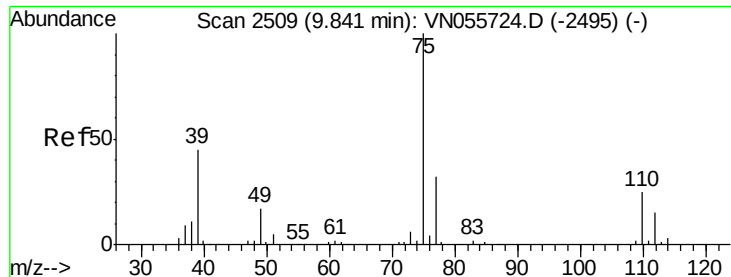
Tot Ion: 43 Resp: 119223
Ion Ratio Lower Upper
43 100
55 23.8 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 75 Resp: 101502
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8



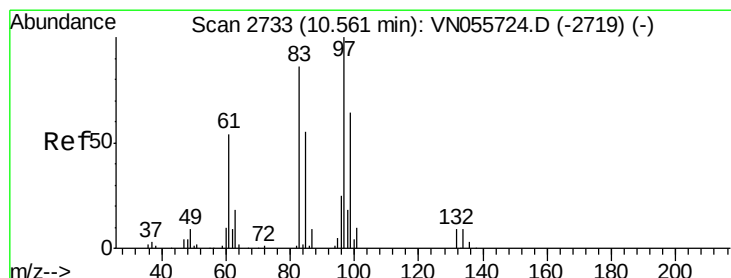
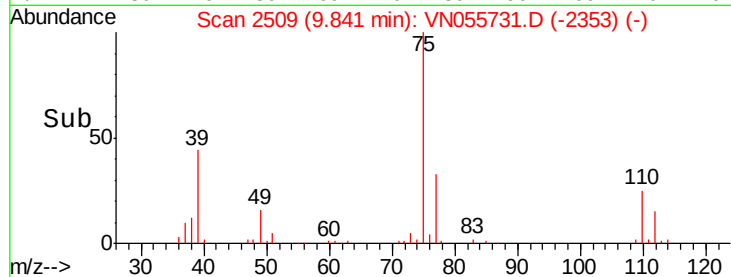
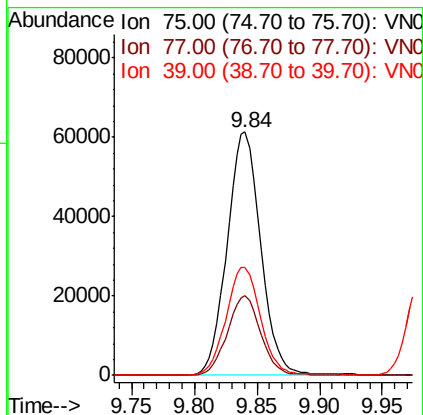
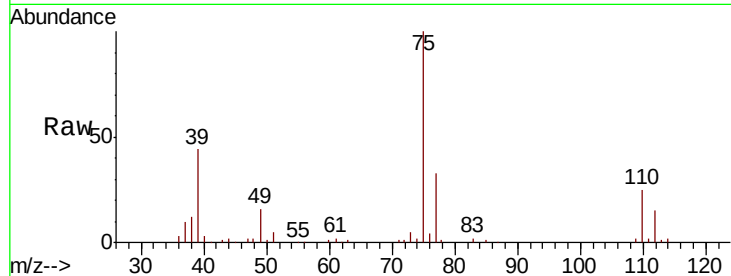


#49

cis-1,3-Dichloropropene
Concen: 19.774 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

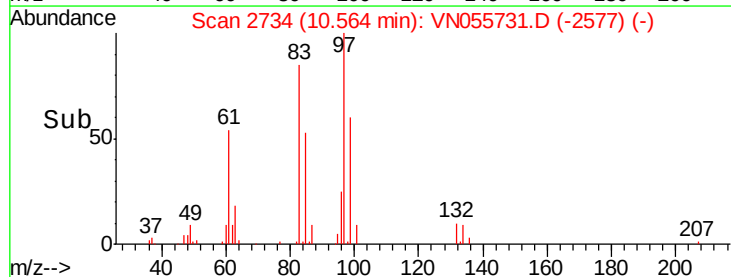
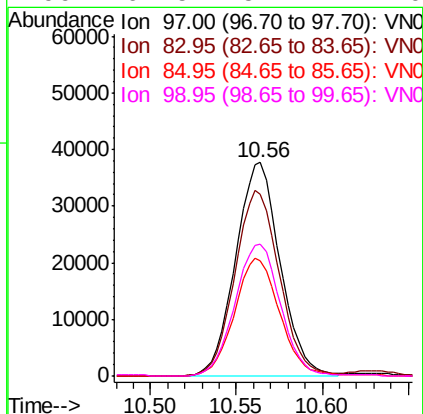
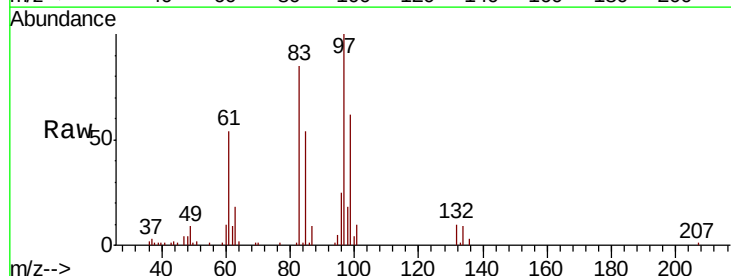
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.0	39.0
39	43.9	36.2	54.4

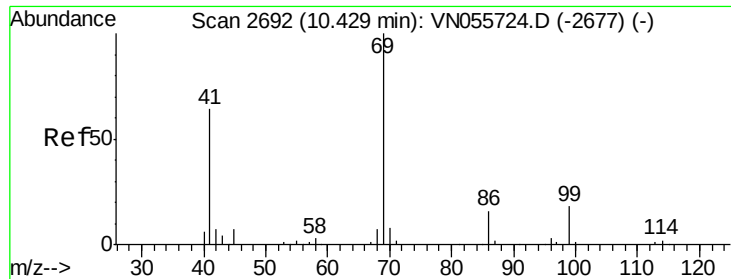


#50

1,1,2-Trichloroethane
Concen: 19.960 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.9	103.3
85	54.1	44.3	66.5
99	61.5	51.4	77.0





#51

Ethyl methacrylate

Concen: 20.002 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

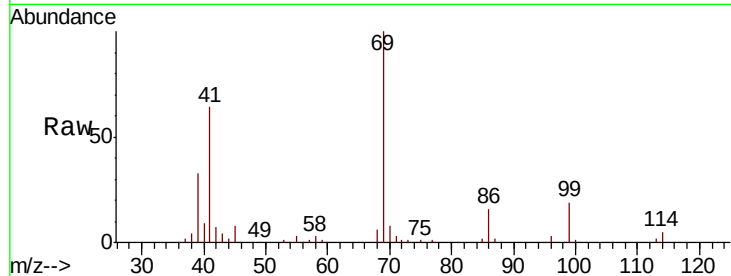
Tot Ion: 69 Resp: 109389

Ion Ratio Lower Upper

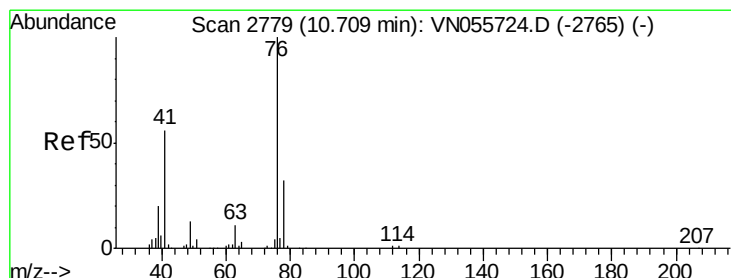
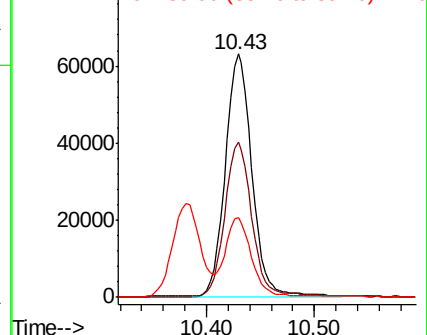
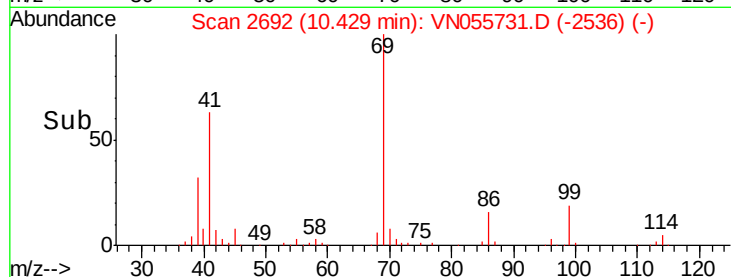
69 100

41 63.1 31.9 95.7

39 32.1 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055731.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 20.226 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055731.D

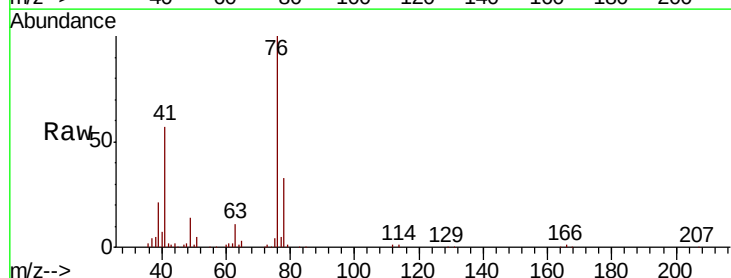
Acq: 22 May 2019 21:07

Tgt Ion: 76 Resp: 113118

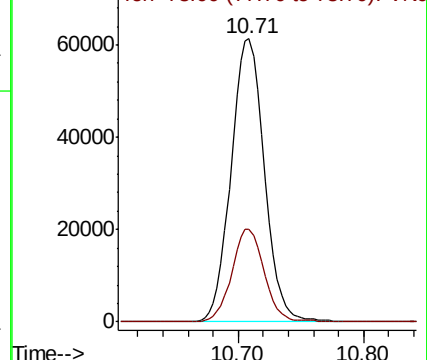
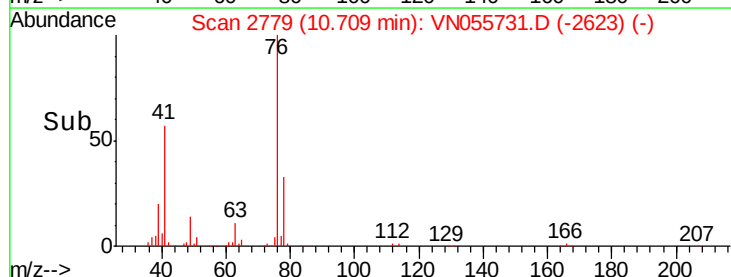
Ion Ratio Lower Upper

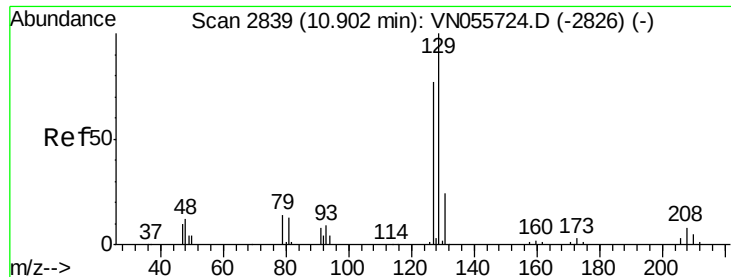
76 100

78 31.9 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055731.D (-2623) (-)





#53

Dibromochloromethane

Concen: 19.607 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

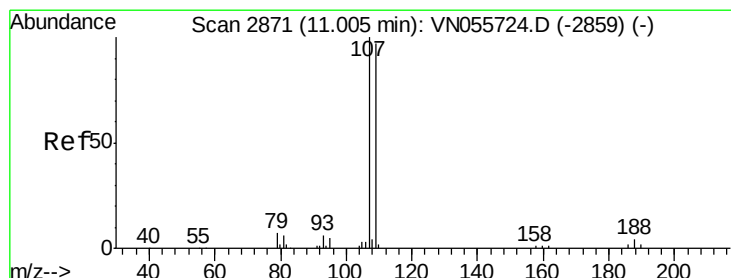
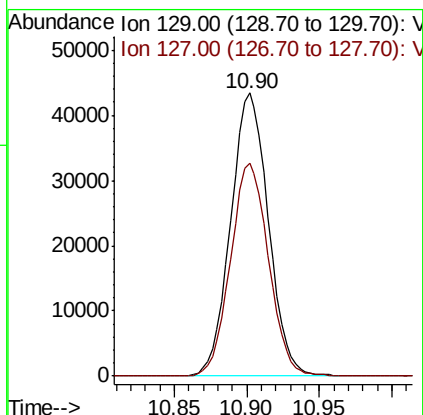
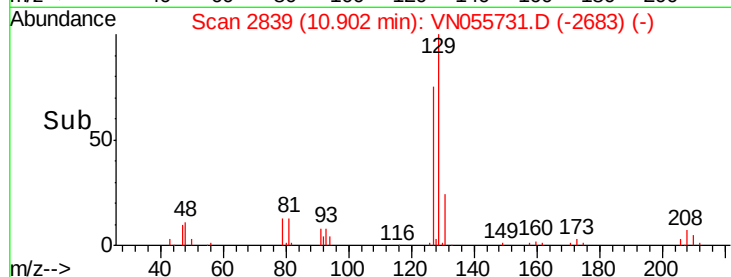
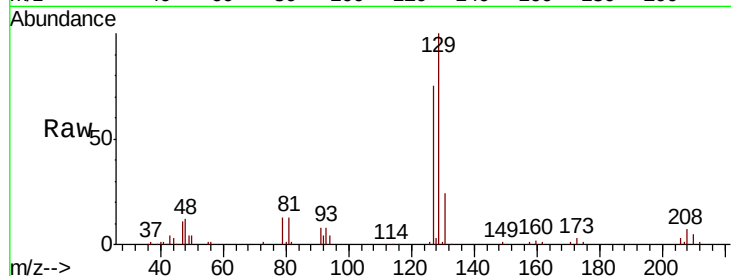
VN0522WBS01

Tot Ion:129 Resp: 78588

Ion Ratio Lower Upper

129 100

127 75.8 39.2 117.6



#54

1,2-Dibromoethane

Concen: 19.852 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055731.D

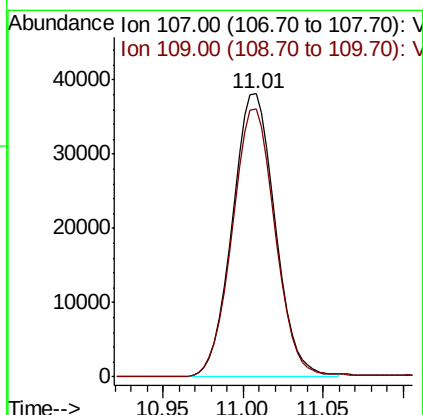
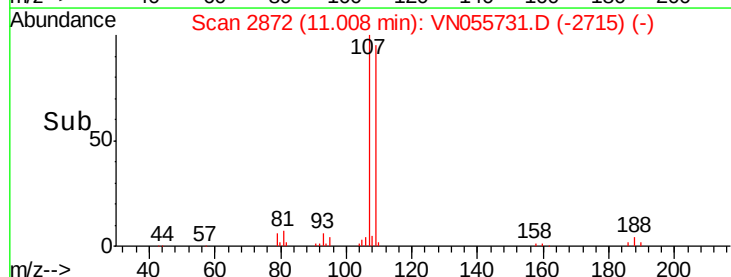
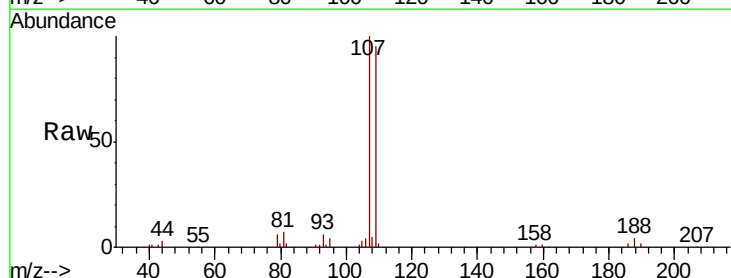
Acq: 22 May 2019 21:07

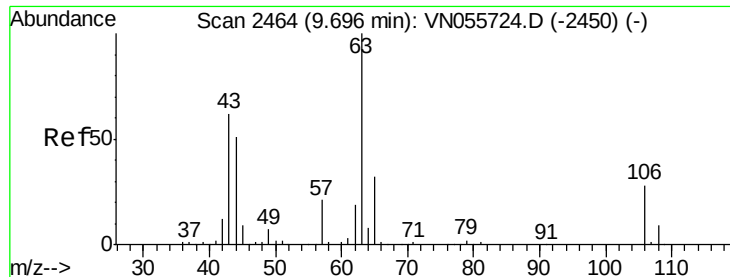
Tgt Ion:107 Resp: 69700

Ion Ratio Lower Upper

107 100

109 95.2 76.6 115.0

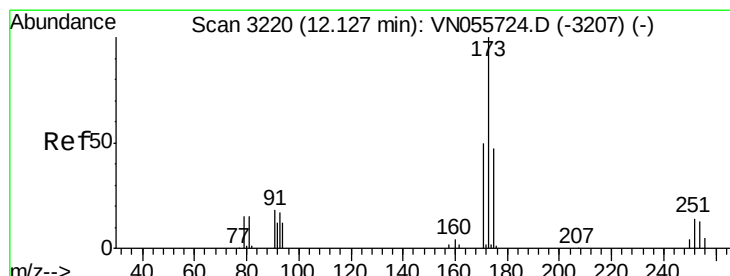
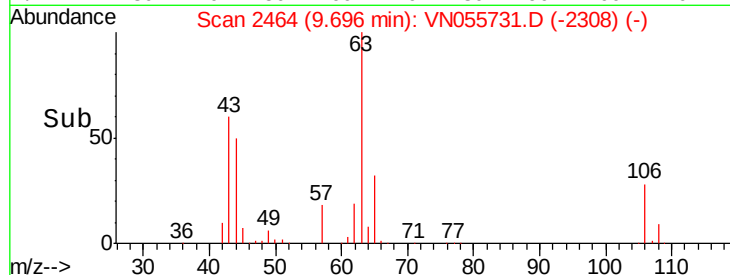
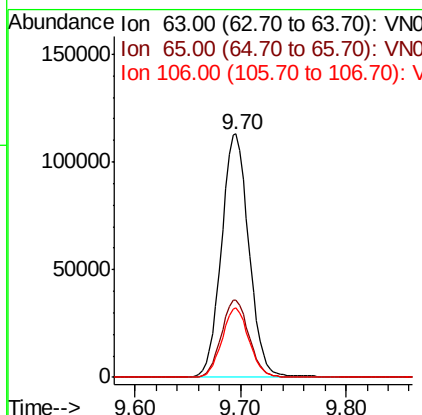
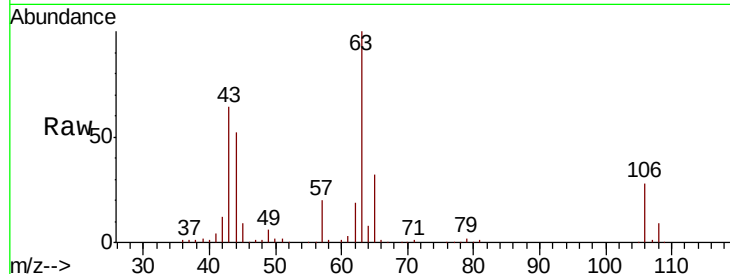




#55
2-Chloroethyl vinyl ether
Concen: 95.887 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

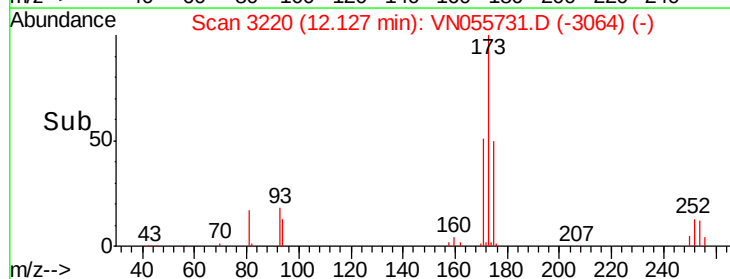
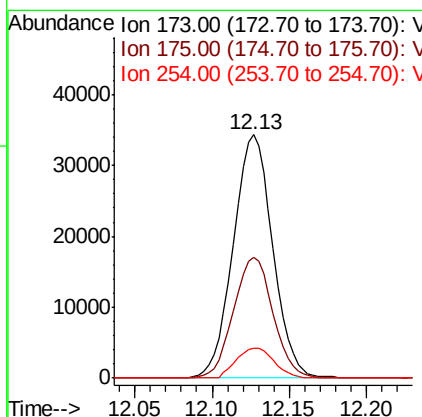
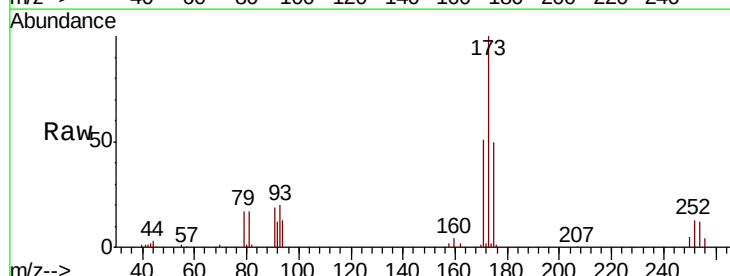
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

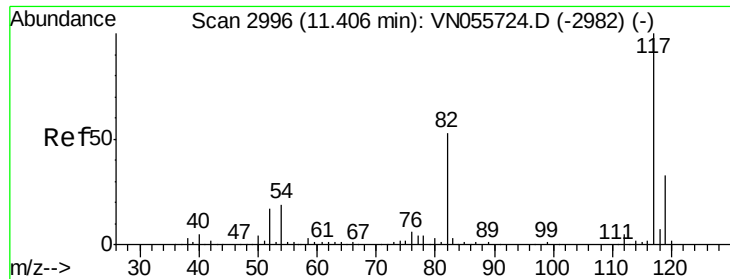
Tot Ion: 63 Resp: 204038
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 28.0 22.1 33.1



#56
Bromoform
Concen: 18.486 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 173 Resp: 60778
Ion Ratio Lower Upper
173 100
175 49.5 38.5 57.7
254 11.8 9.4 14.0

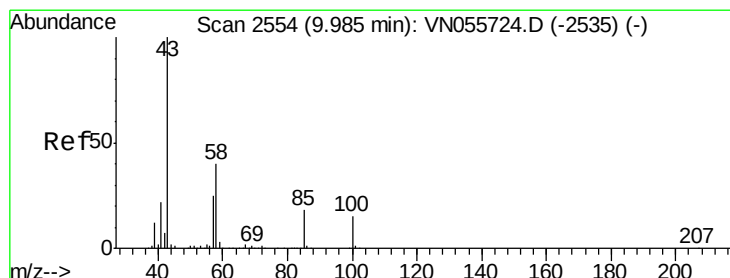
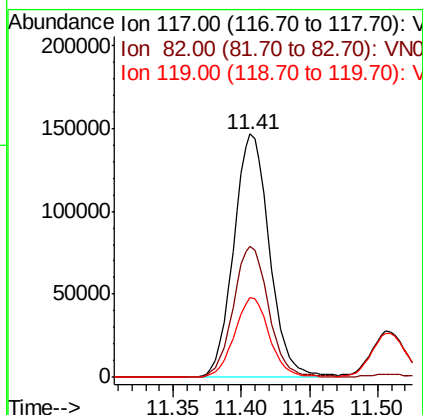
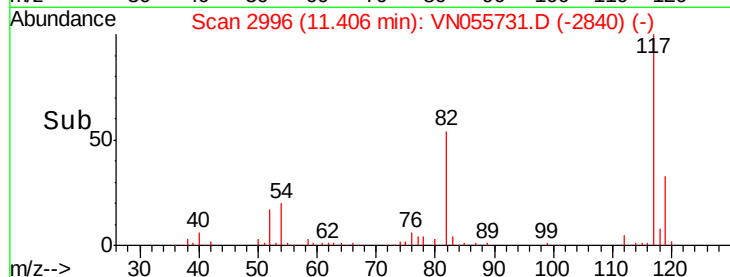
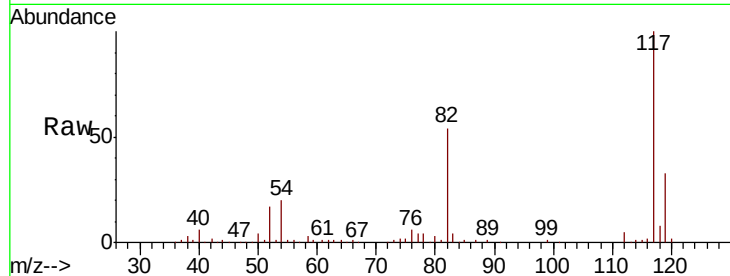




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

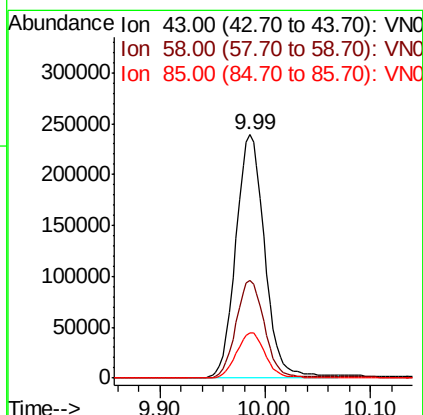
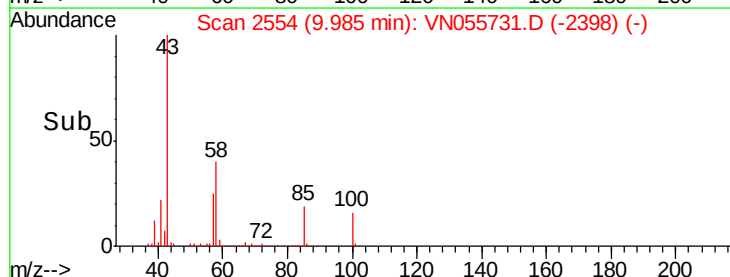
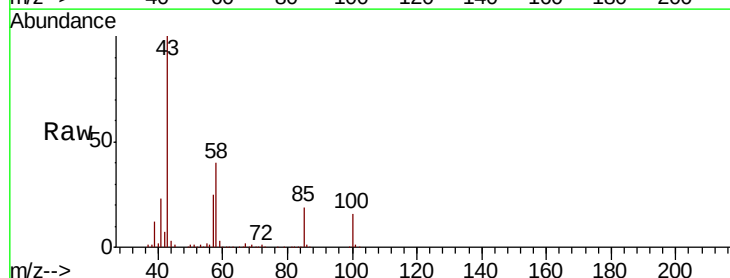
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

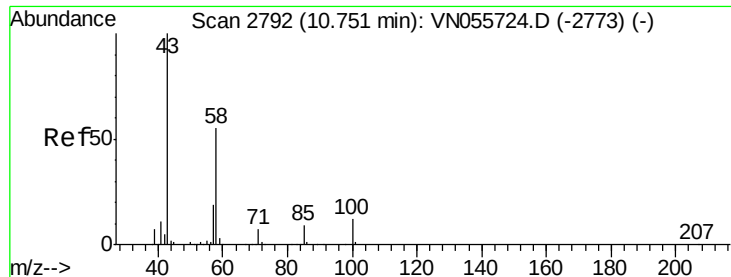
Tot Ion:117 Resp: 266512
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.0 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 102.442 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 43 Resp: 451973
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5
85 18.8 14.5 21.7

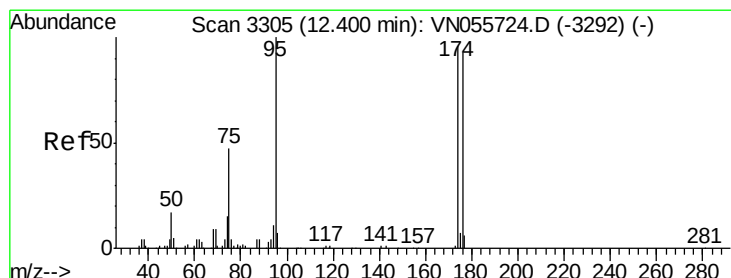
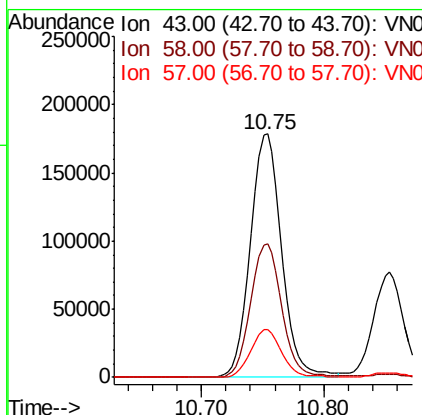
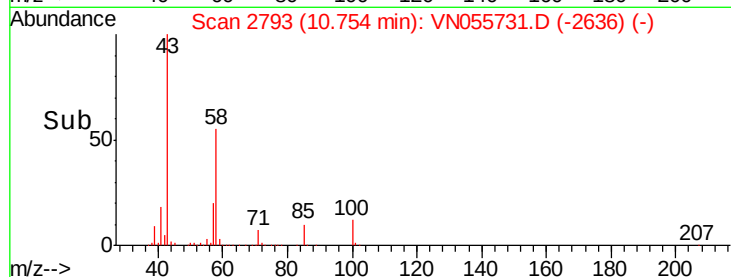
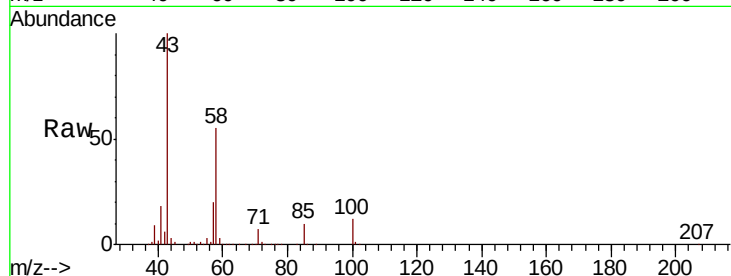




#59
2-Hexanone
Concen: 98.803 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

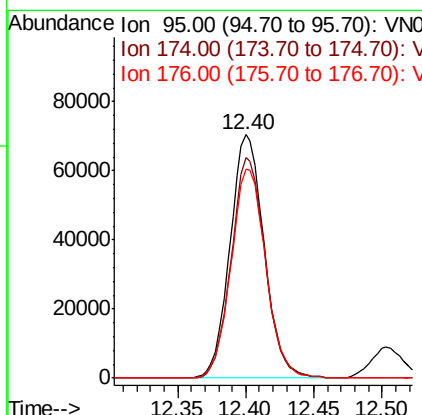
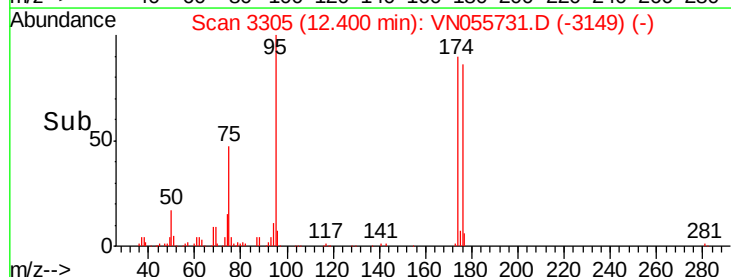
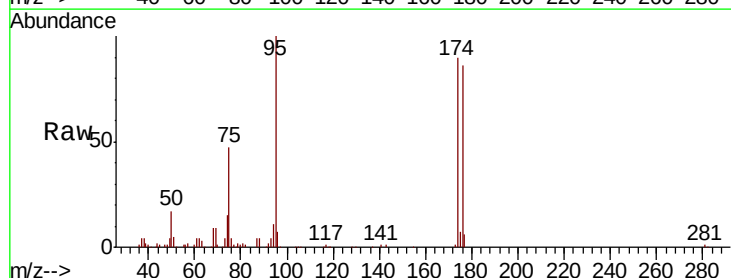
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

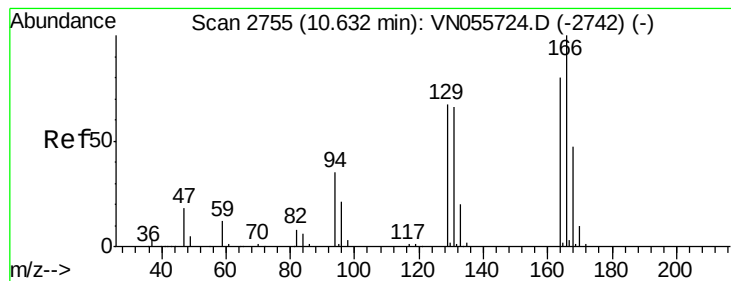
Tot Ion: 43 Resp: 311644
Ion Ratio Lower Upper
43 100
58 55.4 44.8 67.2
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 29.581 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion: 95 Resp: 122640
Ion Ratio Lower Upper
95 100
174 89.9 75.7 113.5
176 87.2 74.1 111.1





#61

Tetrachloroethene

Concen: 19.860 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

Tot Ion:164 Resp: 71651

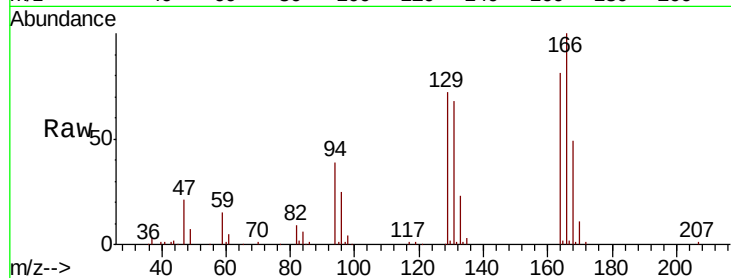
Ion Ratio Lower Upper

164 100

166 122.9 100.6 150.8

129 88.9 67.4 101.2

131 83.6 66.6 99.8

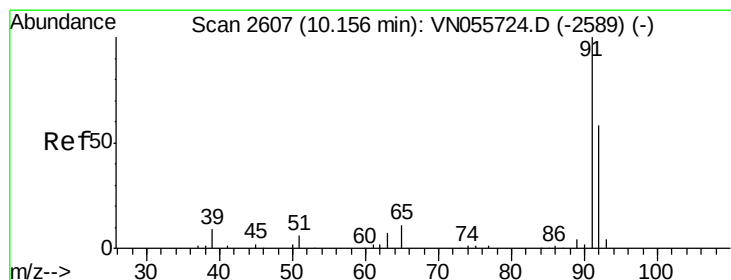
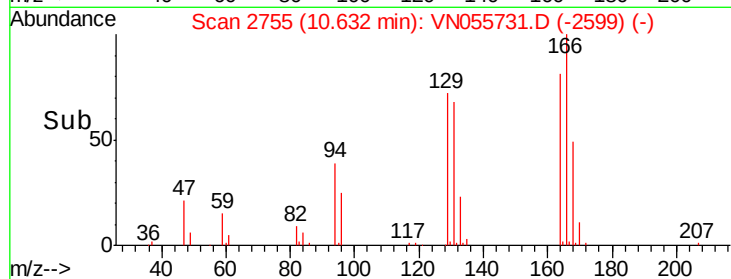
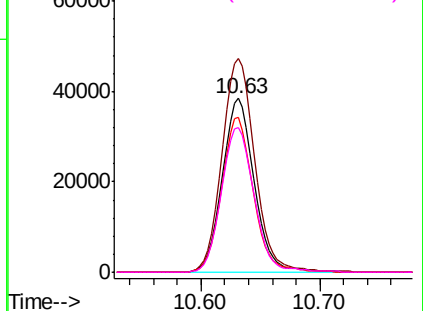


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.562 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055731.D

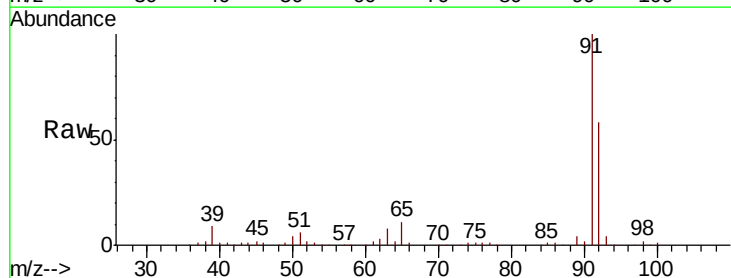
Acq: 22 May 2019 21:07

Tgt Ion: 91 Resp: 294694

Ion Ratio Lower Upper

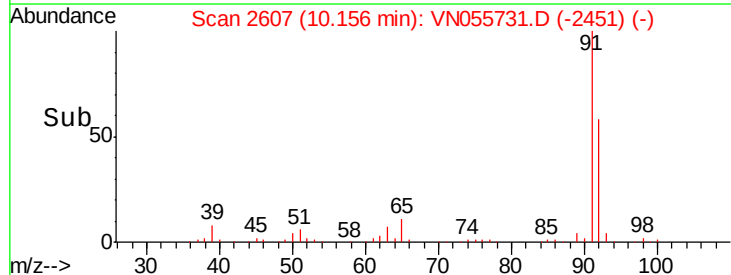
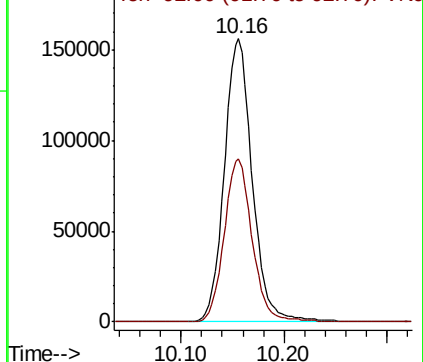
91 100

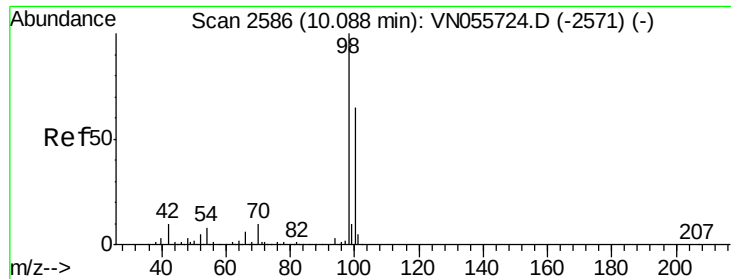
92 58.0 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.844 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

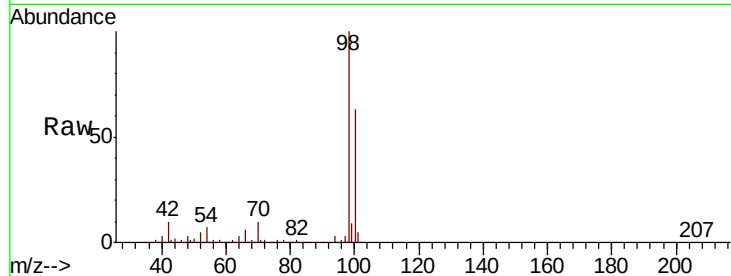
VN0522WBS01

Tot Ion: 98 Resp: 375665

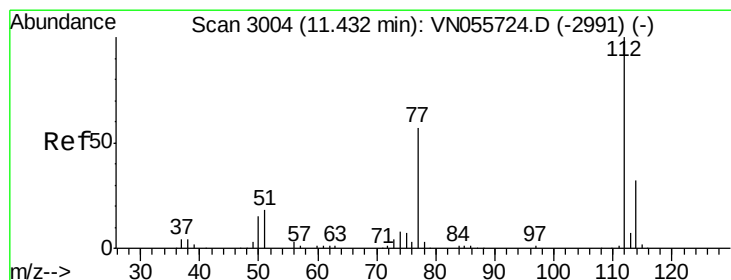
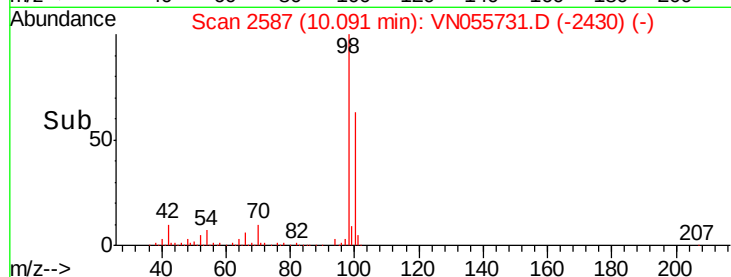
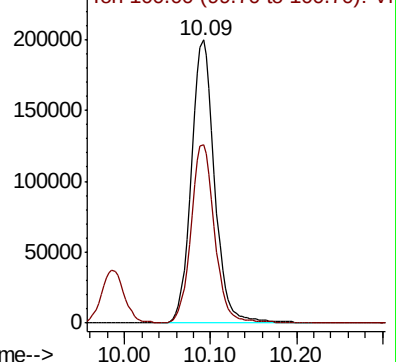
Ion Ratio Lower Upper

98 100

100 63.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.257 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055731.D

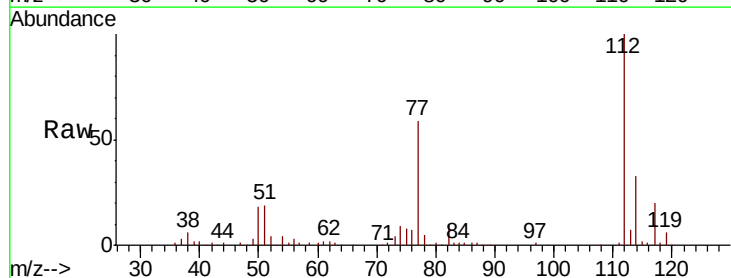
Acq: 22 May 2019 21:07

Tgt Ion: 112 Resp: 176114

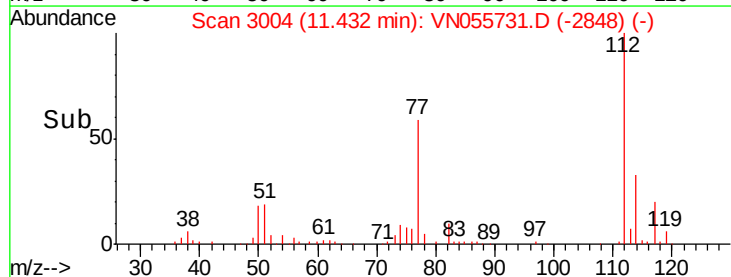
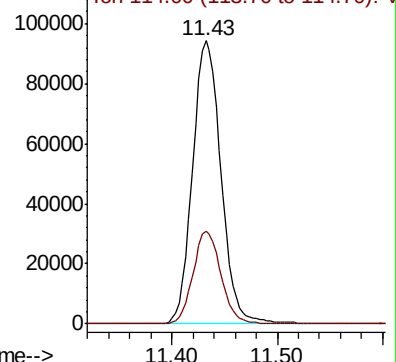
Ion Ratio Lower Upper

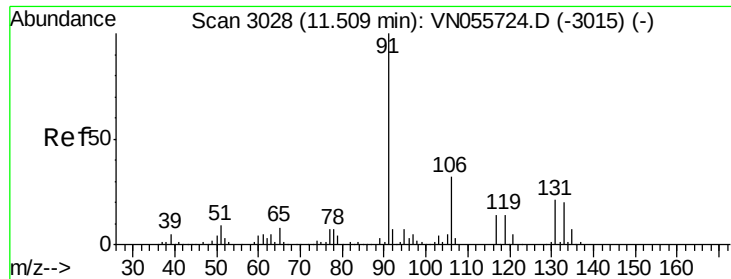
112 100

114 32.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055724.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.164 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

VN0522WBS01

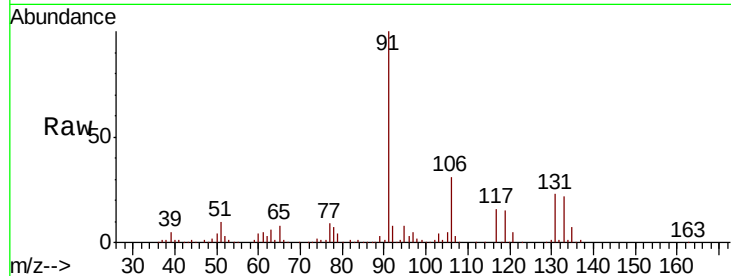
Tot Ion:131 Resp: 70631

Ion Ratio Lower Upper

131 100

133 97.3 0.0 188.8

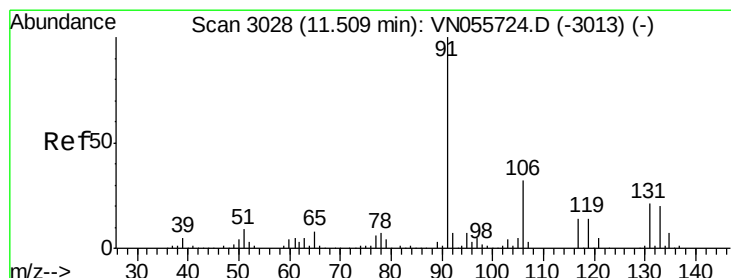
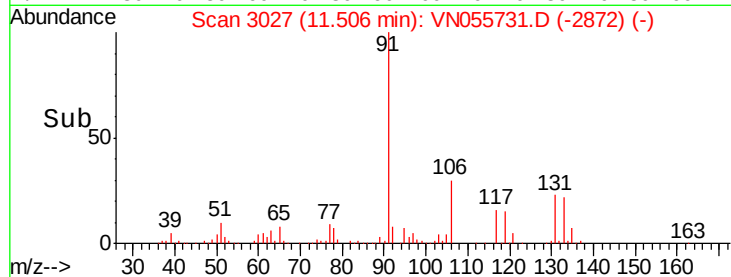
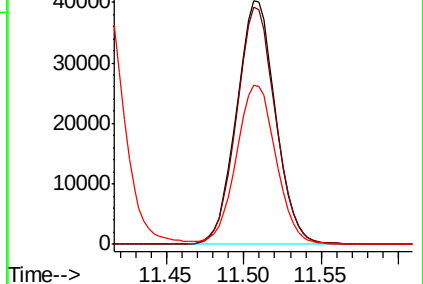
119 66.6 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.492 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055731.D

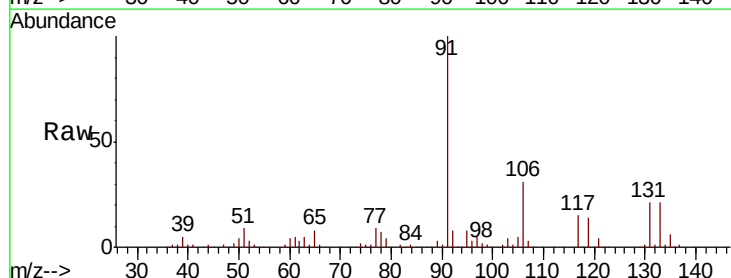
Acq: 22 May 2019 21:07

Tgt Ion: 91 Resp: 320885

Ion Ratio Lower Upper

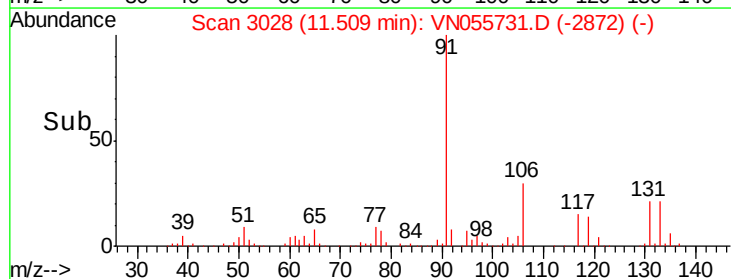
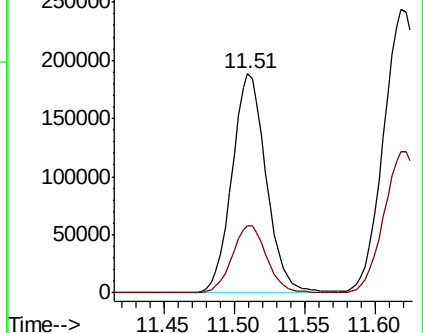
91 100

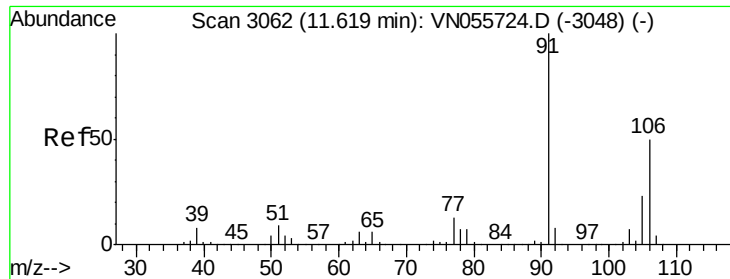
106 30.7 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

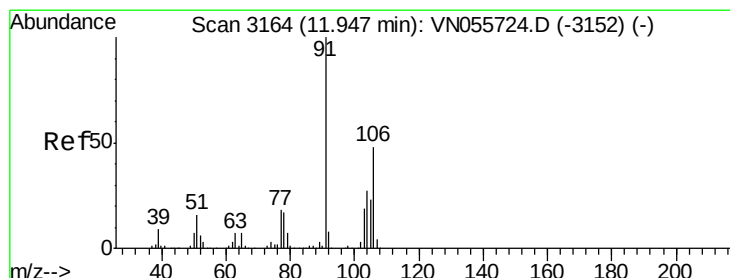
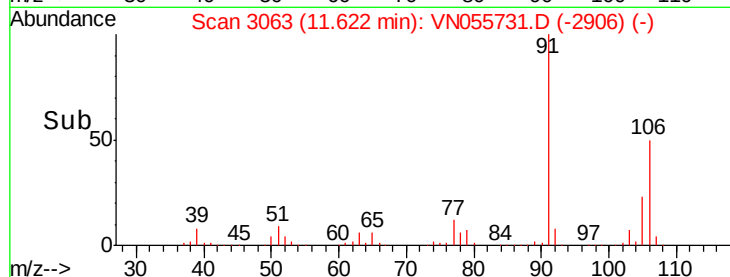
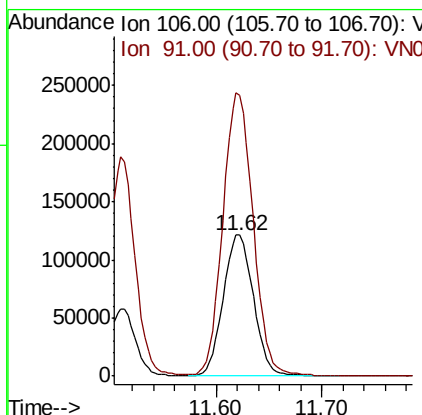
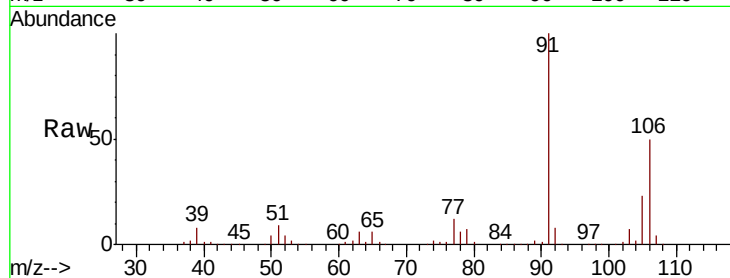




#67
m/p-Xylenes
Concen: 40.734 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

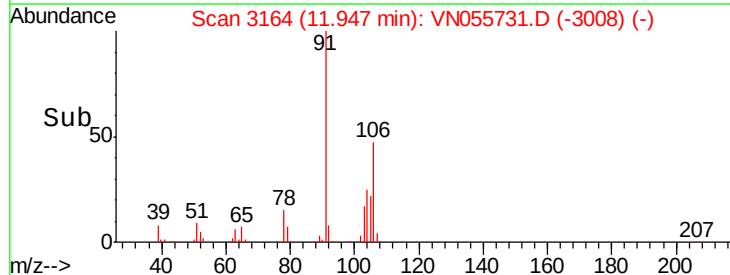
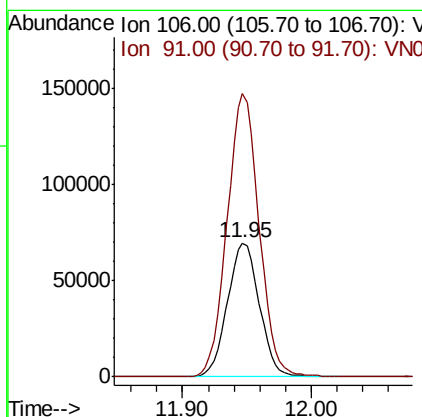
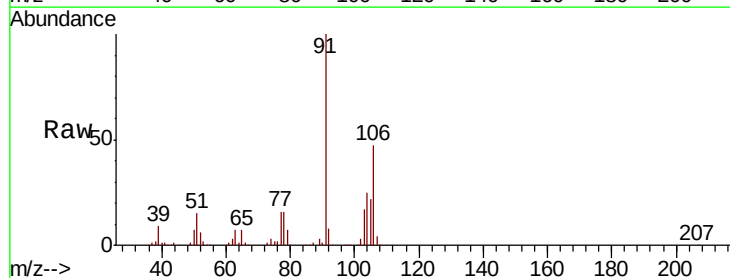
Instrument :
MSVOA_N
ClientSampled :
VN0522WBS01

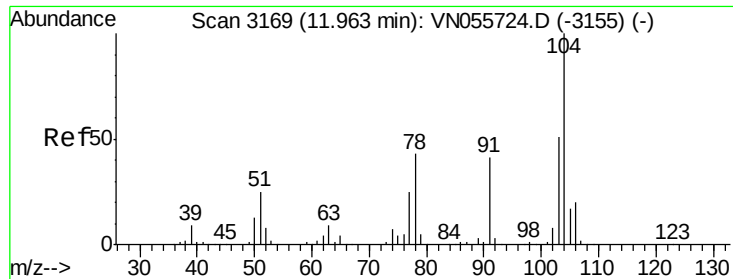
Tot Ion:106 Resp: 242309
Ion Ratio Lower Upper
106 100
91 200.0 159.5 239.3



#68
o-Xylene
Concen: 20.396 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:106 Resp: 120064
Ion Ratio Lower Upper
106 100
91 211.3 105.4 316.1

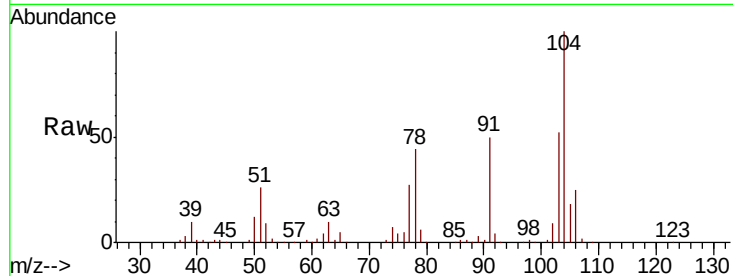




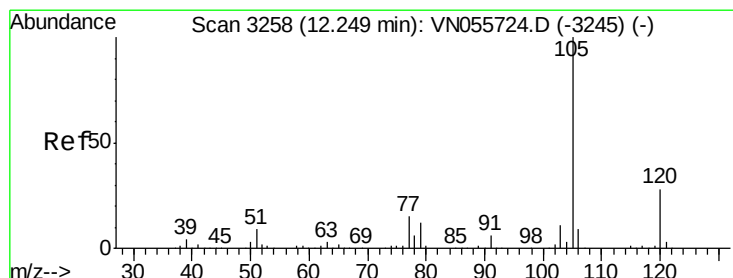
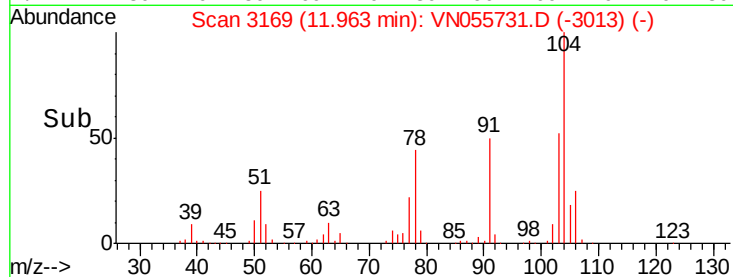
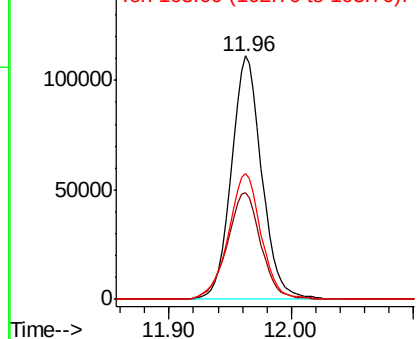
#69
Stvrene
Concen: 19.884 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBS01

Tot Ion:104 Resp: 193106
Ion Ratio Lower Upper
104 100
78 48.7 38.7 58.1
103 56.0 45.0 67.6

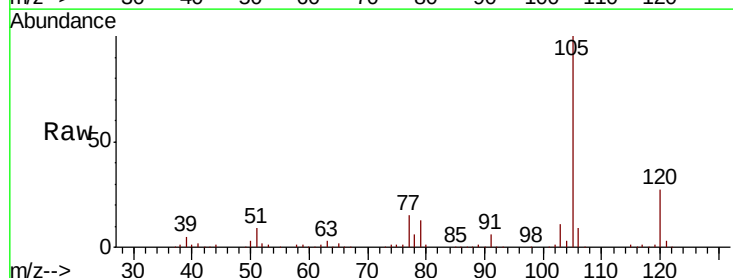


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

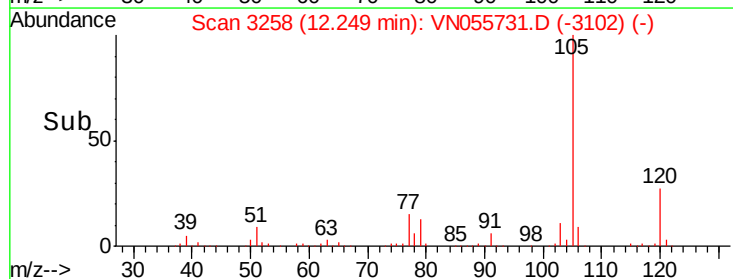
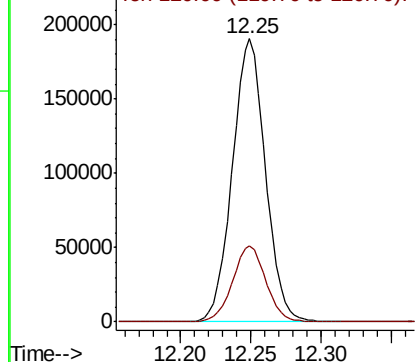


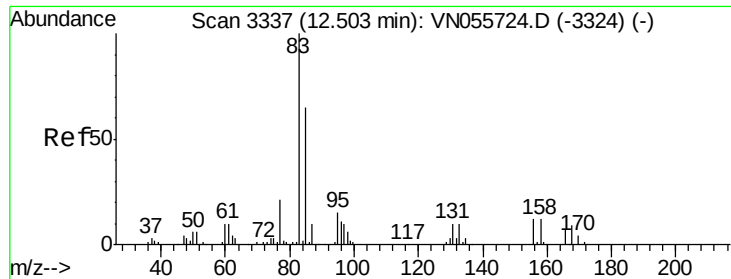
#70
Isopropylbenzene
Concen: 20.269 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:105 Resp: 312184
Ion Ratio Lower Upper
105 100
120 26.9 19.2 35.6



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

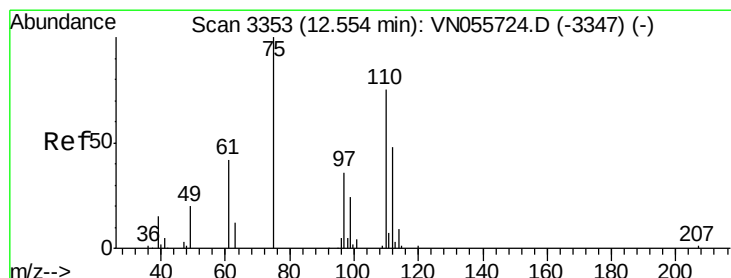
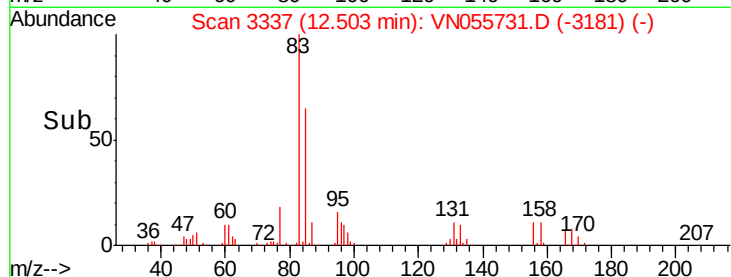
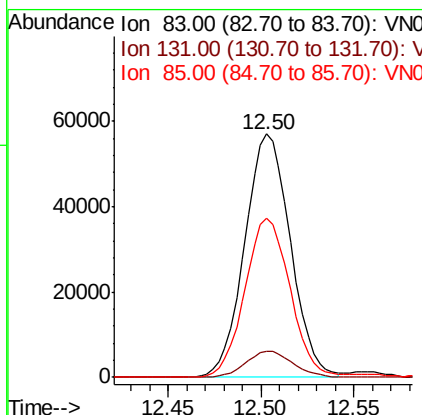
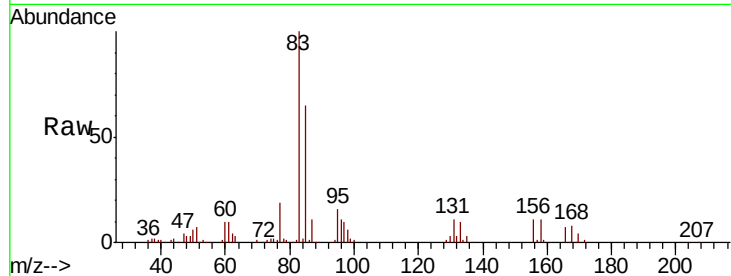




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.564 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

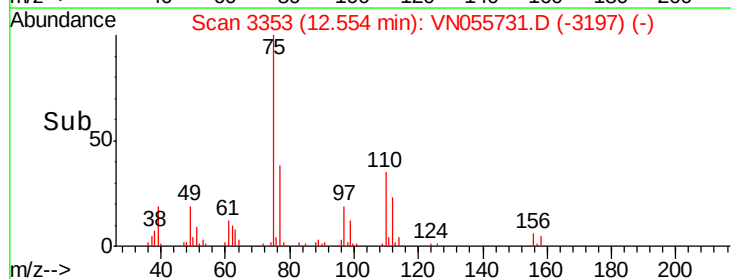
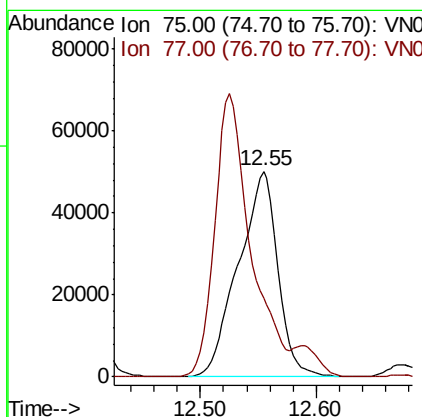
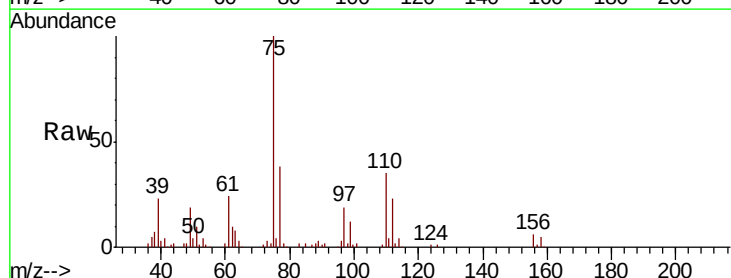
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

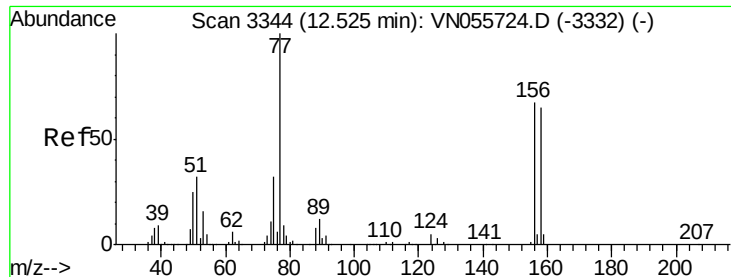
Tot Ion: 83 Resp: 97474
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.3 15.8
 85 65.0 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 29.129 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion: 75 Resp: 118832
 Ion Ratio Lower Upper
 75 100
 77 125.4 0.0 349.8





#73

Bromobenzene

Concen: 19.318 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

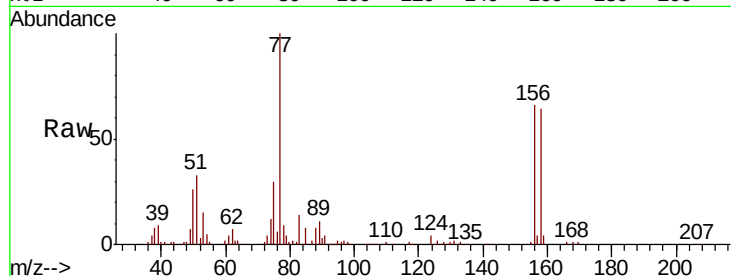
Tot Ion:156 Resp: 78711

Ion Ratio Lower Upper

156 100

77 189.2 0.0 368.0

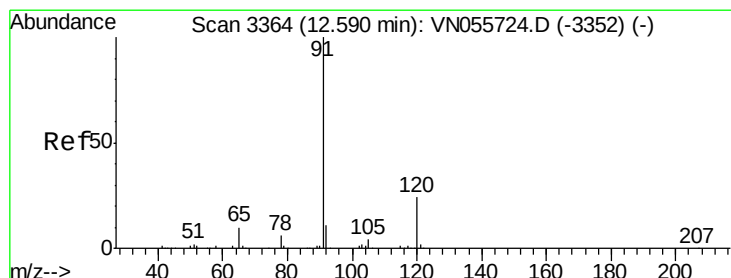
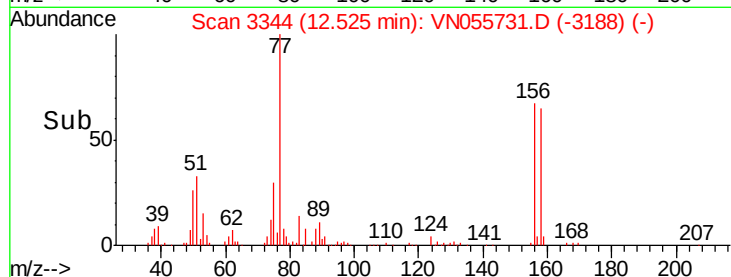
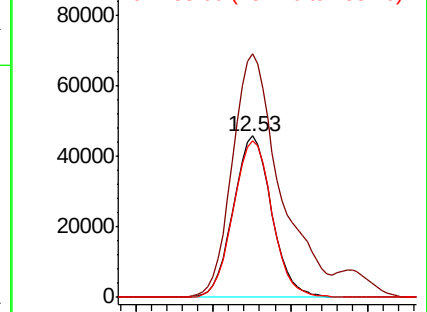
158 98.5 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.042 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055731.D

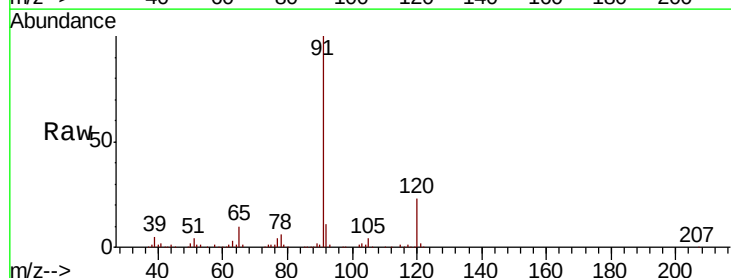
Acq: 22 May 2019 21:07

Tgt Ion: 91 Resp: 332920

Ion Ratio Lower Upper

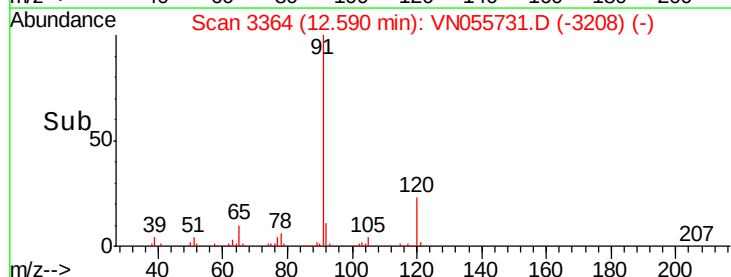
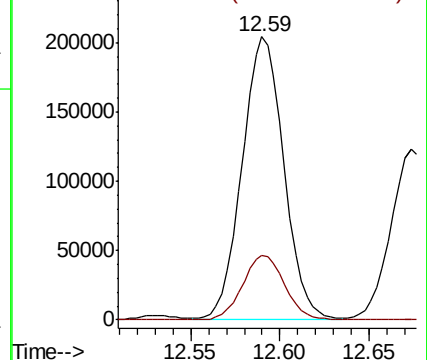
91 100

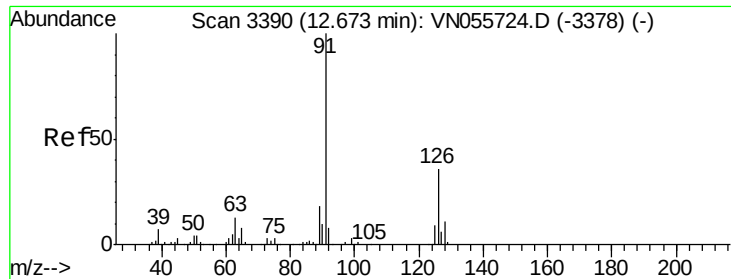
120 23.0 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.363 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

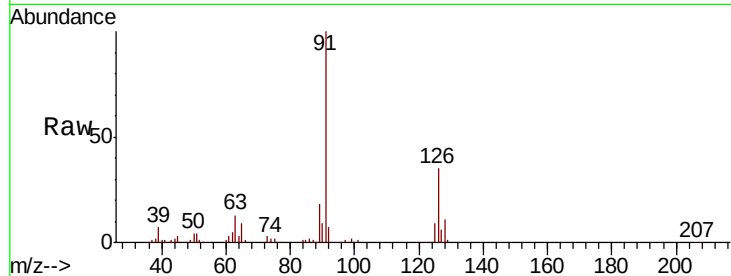
VN0522WBS01

Tot Ion: 91 Resp: 206626

Ion Ratio Lower Upper

91 100

126 34.9 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

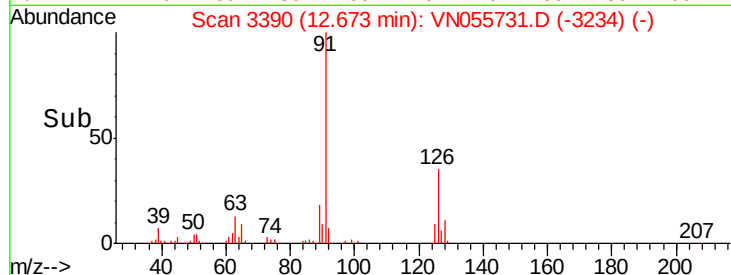
150000

100000

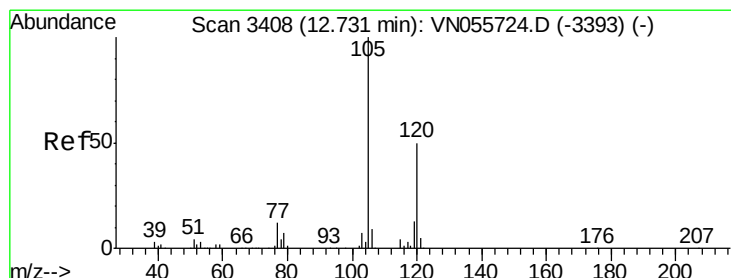
50000

0

12.60 12.65 12.70



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.270 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055731.D

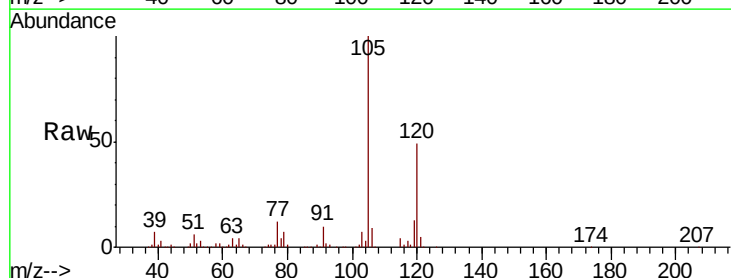
Acq: 22 May 2019 21:07

Tgt Ion: 105 Resp: 258053

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

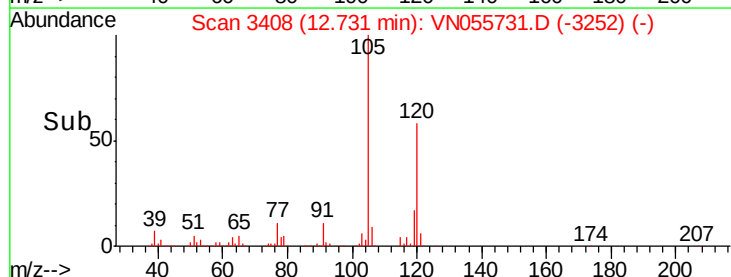
150000

100000

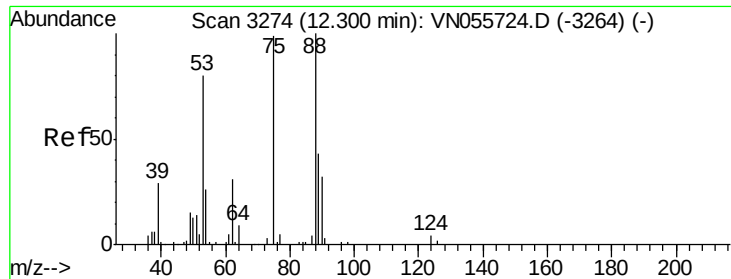
50000

0

12.70 12.75 12.80



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 18.254 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

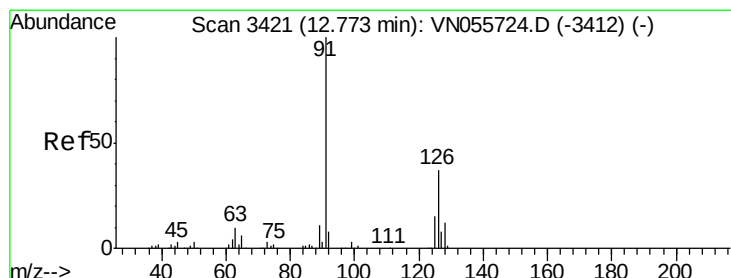
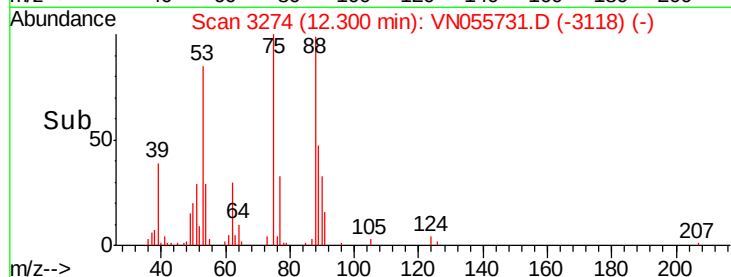
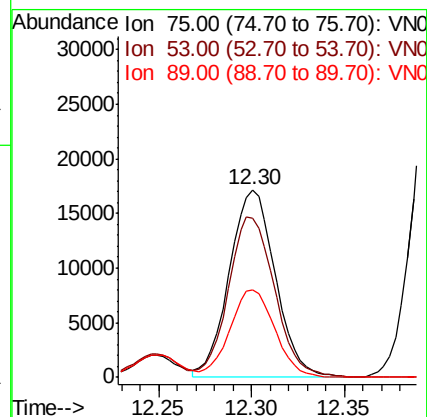
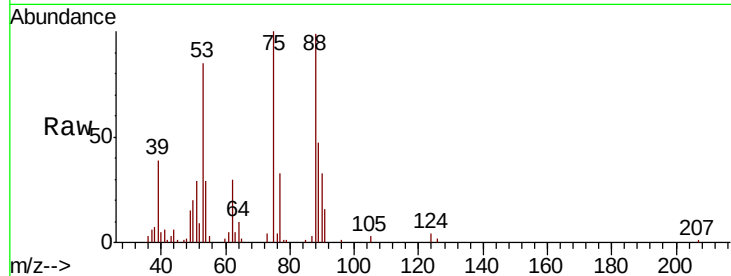
Tot Ion: 75 Resp: 29579

Ion Ratio Lower Upper

75 100

53 84.1 40.1 120.3

89 47.0 22.6 67.8



#78

4-Chlorotoluene

Concen: 19.760 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055731.D

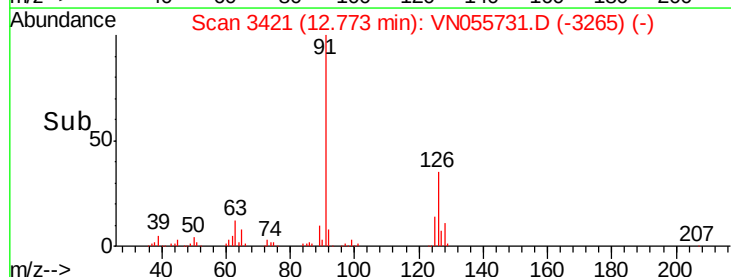
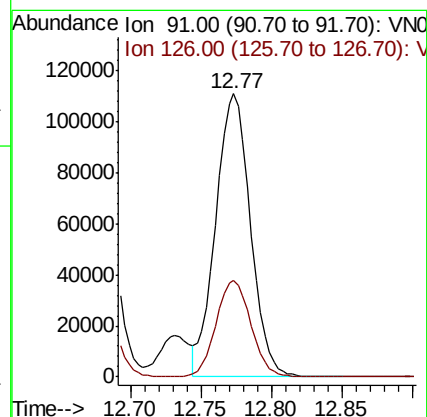
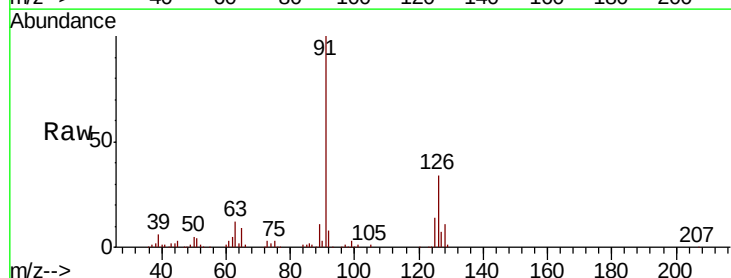
Acq: 22 May 2019 21:07

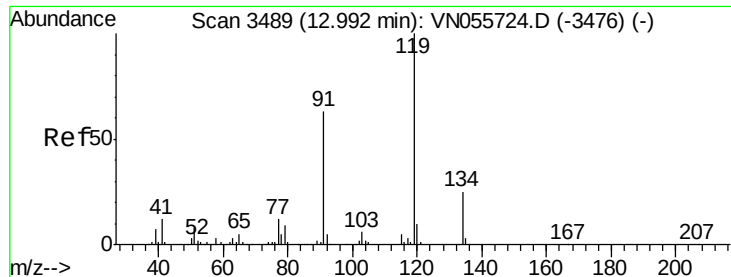
Tgt Ion: 91 Resp: 190024

Ion Ratio Lower Upper

91 100

126 34.0 0.0 69.0

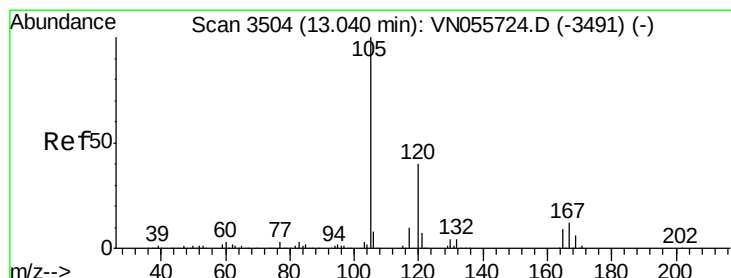
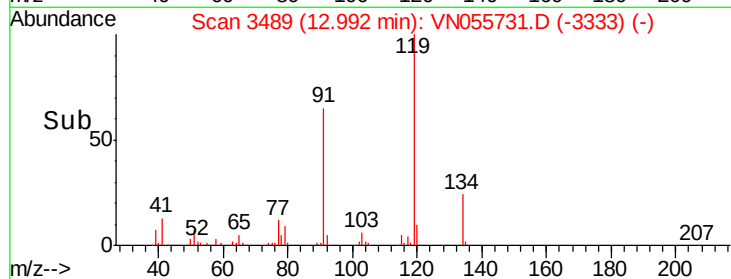
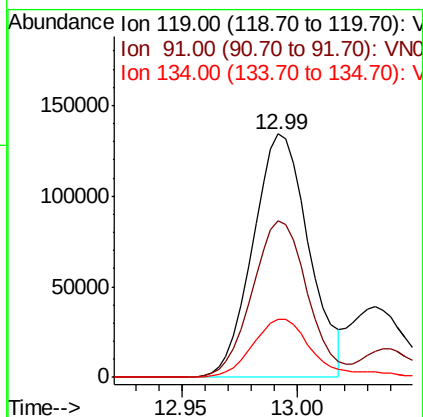
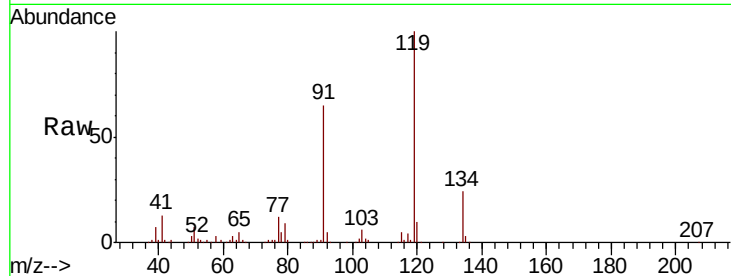




#79
tert-butylbenzene
Concen: 20.159 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

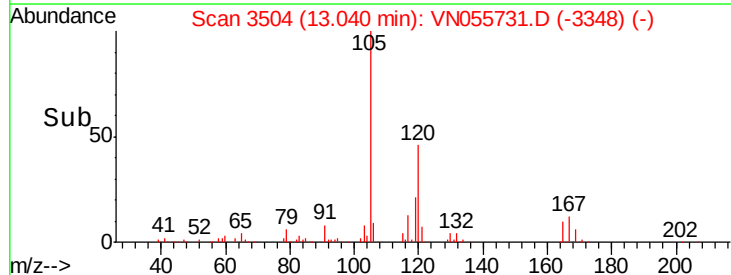
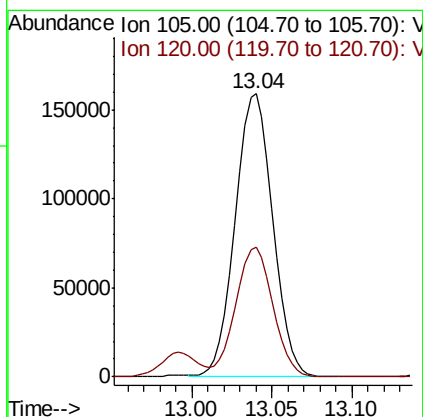
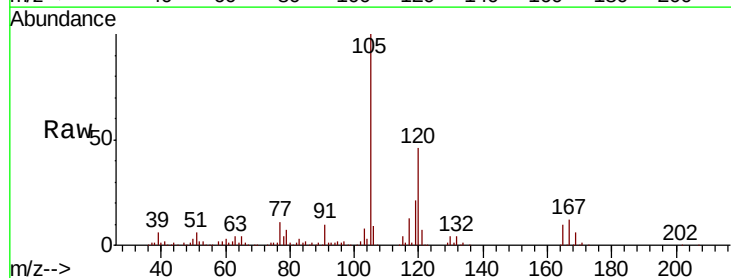
Instrument :
MSVOA_N
ClientSampled :
VN0522WBS01

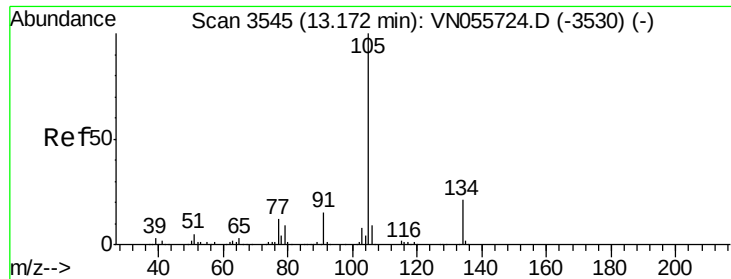
Tot Ion:119 Resp: 225624
Ion Ratio Lower Upper
119 100
91 63.6 0.0 123.8
134 24.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 20.101 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055731.D
Acq: 22 May 2019 21:07

Tgt Ion:105 Resp: 254037
Ion Ratio Lower Upper
105 100
120 45.4 0.0 93.6





#81

sec-Butylbenzene

Concen: 20.071 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

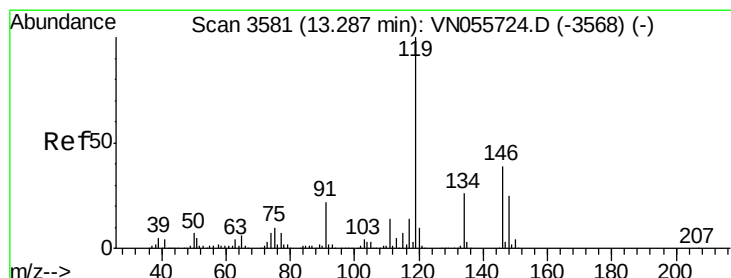
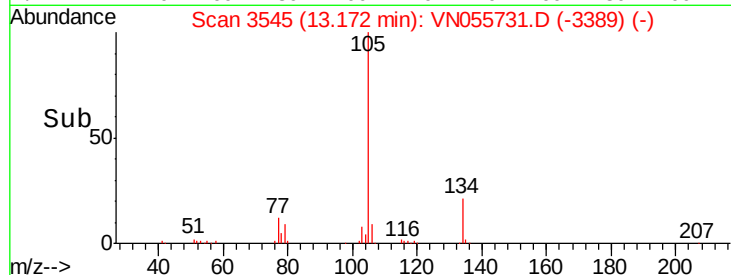
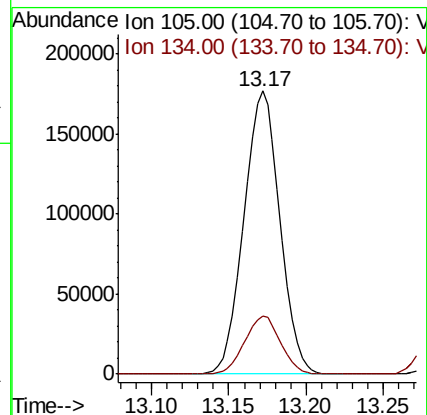
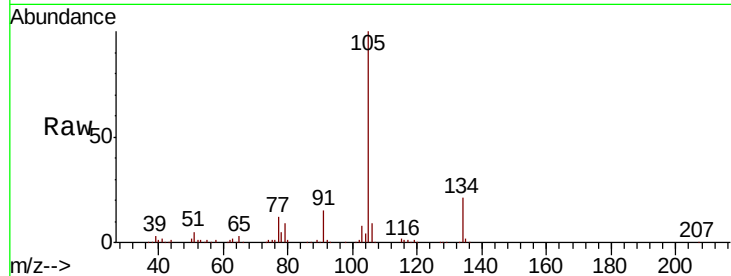
VN0522WBS01

Tot Ion:105 Resp: 285421

Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.4



#82

p-Isopropyltoluene

Concen: 19.574 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

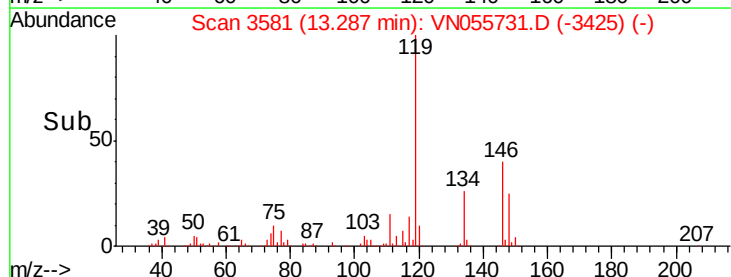
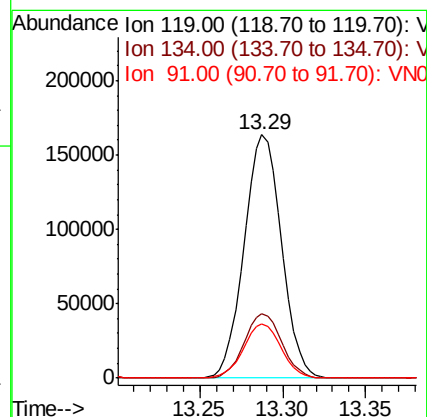
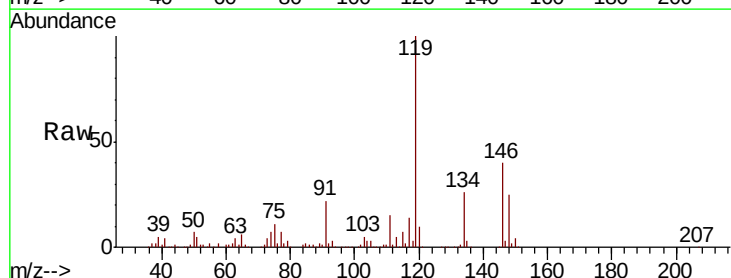
Tgt Ion:119 Resp: 256164

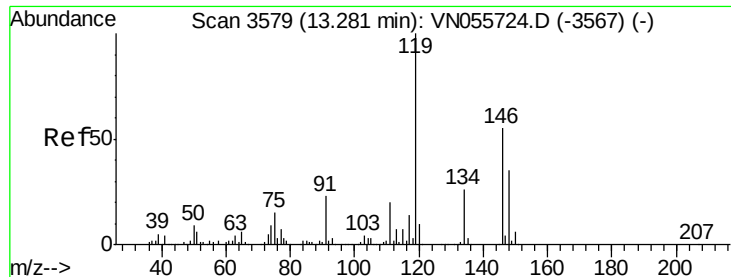
Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.0

91 22.5 0.0 44.4

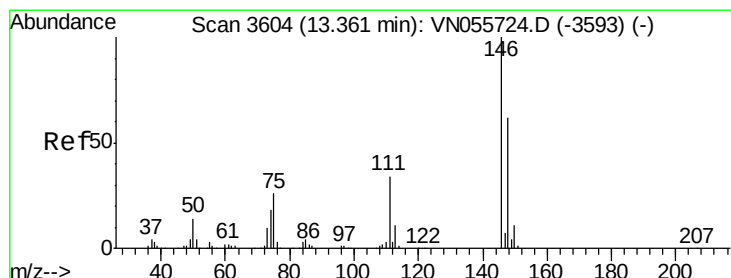
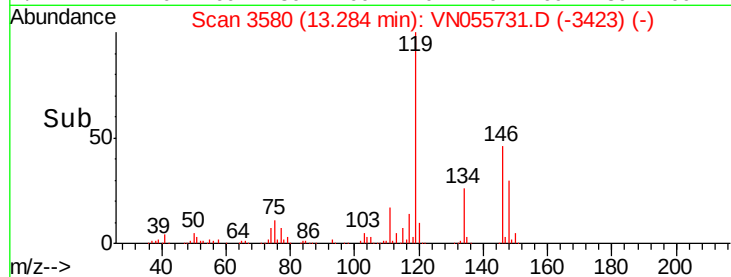
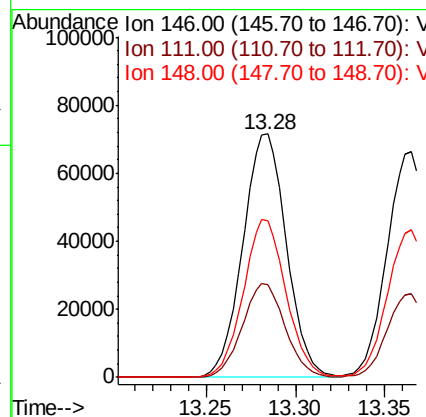
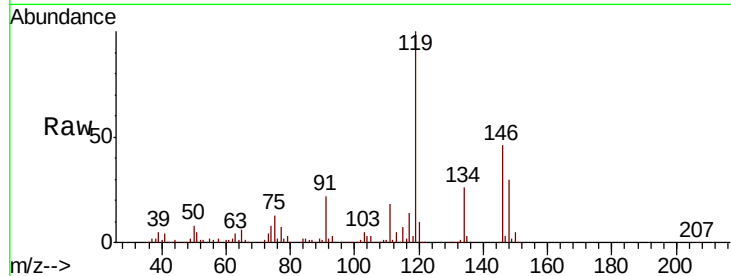




#83
 1,3-Dichlorobenzene
 Concen: 19.057 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

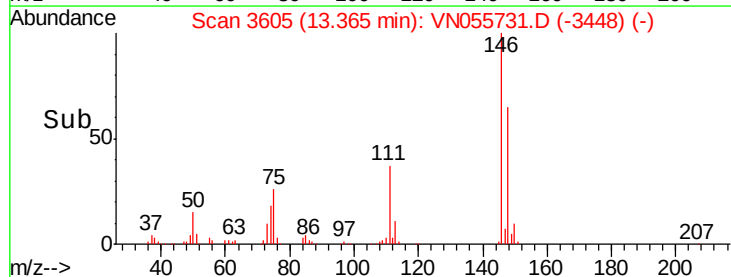
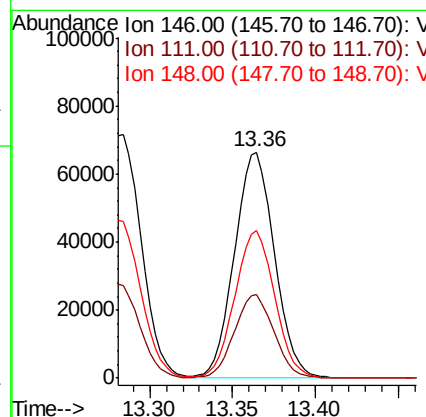
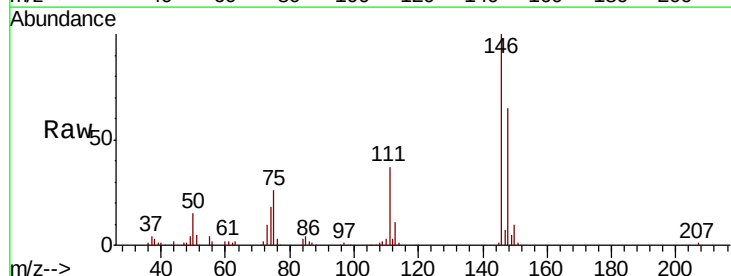
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

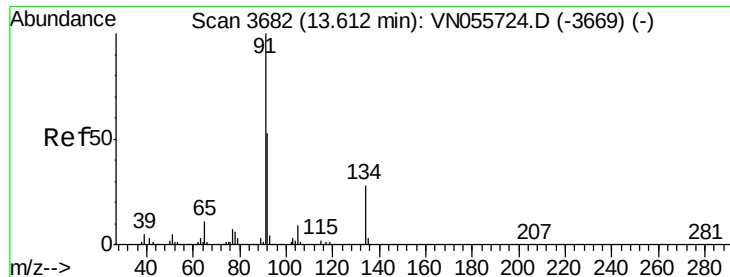
Tot Ion:146 Resp: 121726
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.6
 148 63.6 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.350 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion:146 Resp: 111623
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.5 52.6
 148 64.8 31.8 95.4





#85

n-Butylbenzene

Concen: 18.629 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

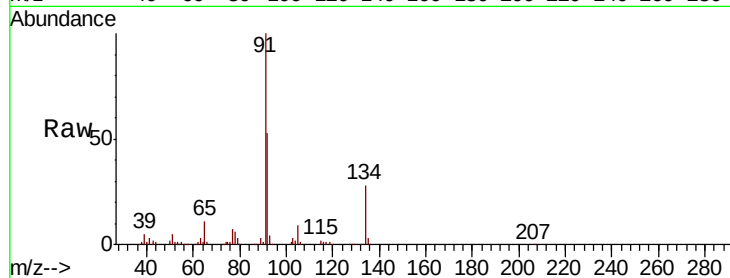
Tot Ion: 91 Resp: 189672

Ion Ratio Lower Upper

91 100

92 52.8 0.0 106.8

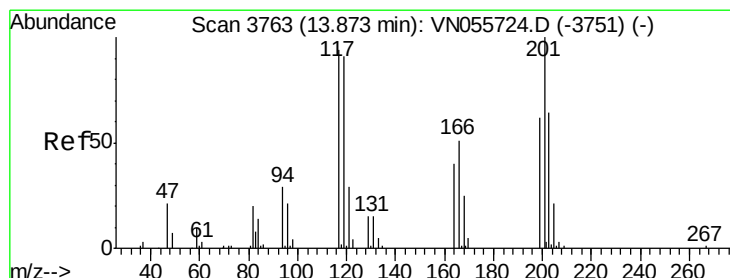
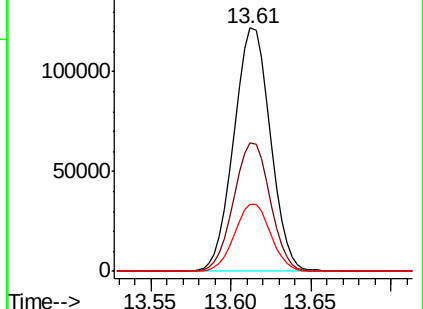
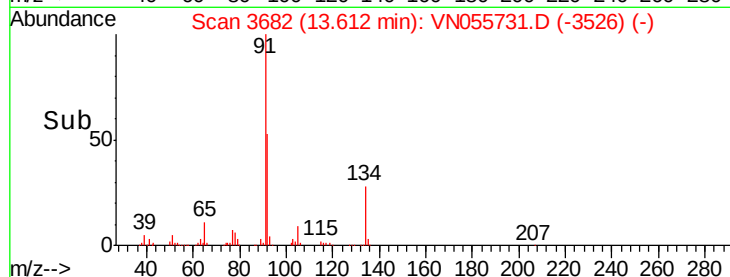
134 27.3 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055731.D (-3526) (-)

Ion 92.00 (91.70 to 92.70): VN055731.D (-3526) (-)

Ion 134.00 (133.70 to 134.70): VN055731.D (-3526) (-)



#86

Hexachloroethane

Concen: 19.771 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055731.D

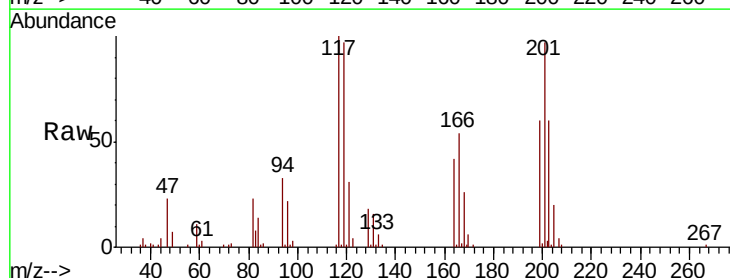
Acq: 22 May 2019 21:07

Tgt Ion: 117 Resp: 50893

Ion Ratio Lower Upper

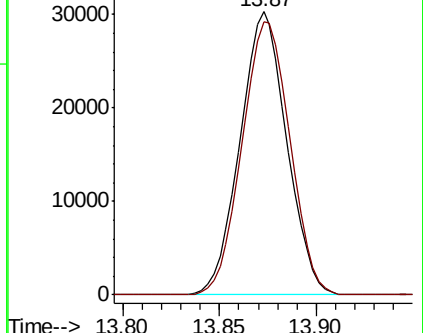
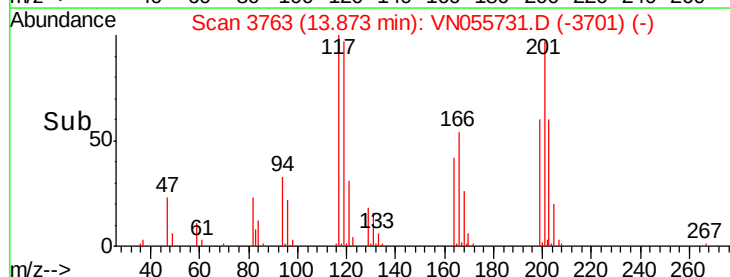
117 100

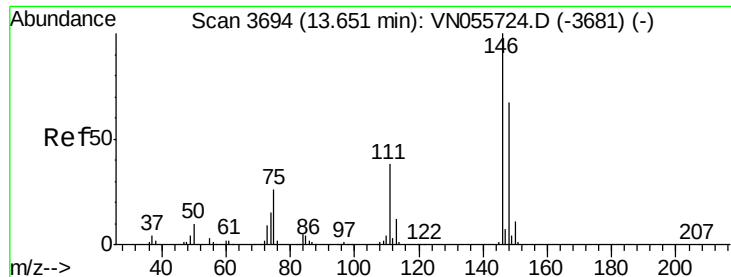
201 98.7 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055731.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN055731.D (-3701) (-)

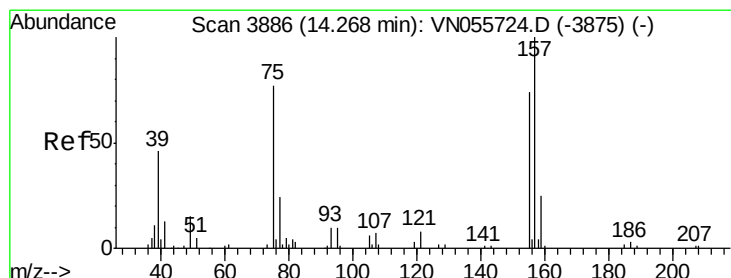
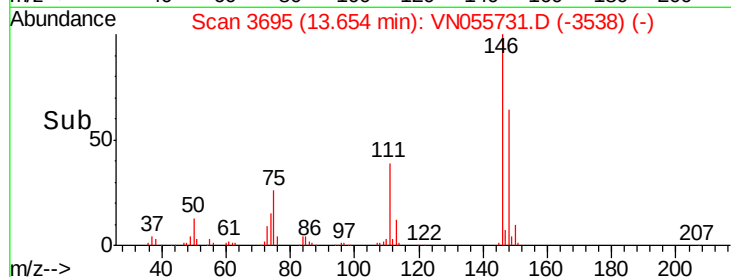
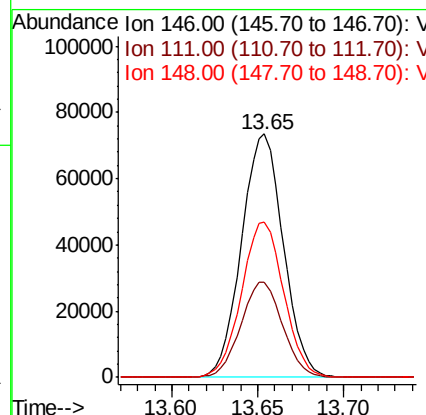
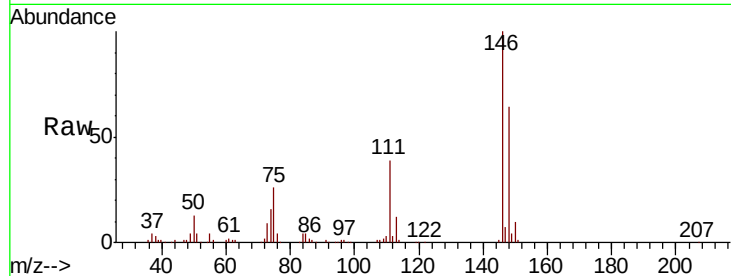




#87
 1,2-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

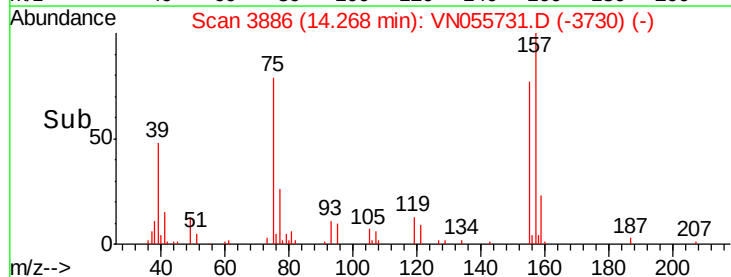
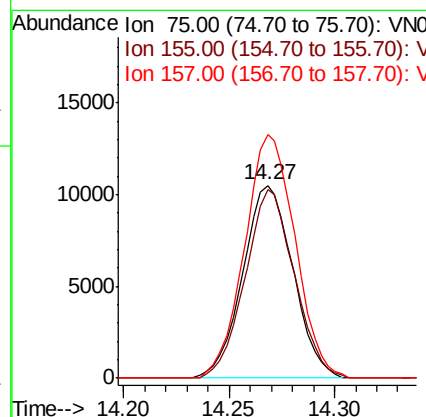
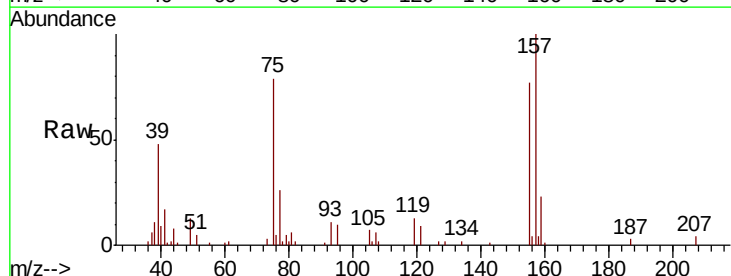
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

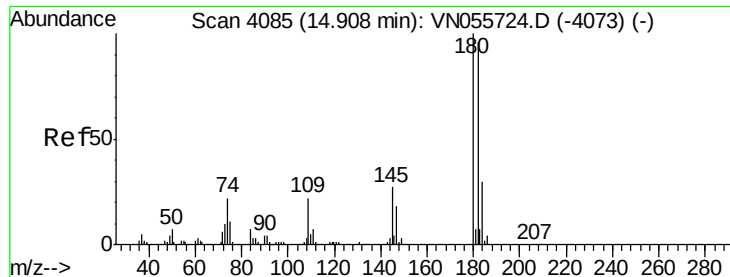
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	64.3	32.7	98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.374 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	78.4	117.6
157	126.9	105.0	157.4

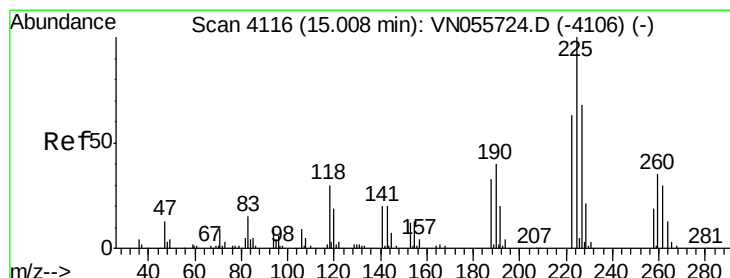
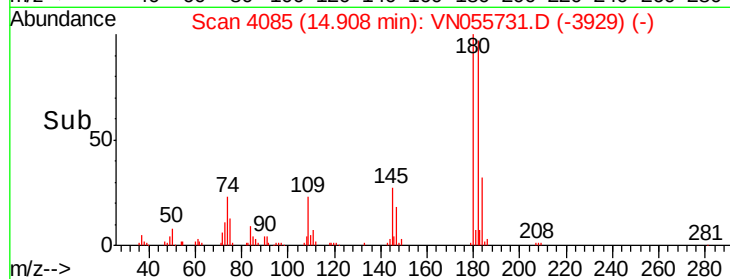
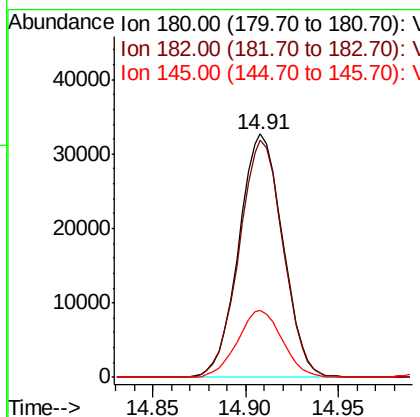
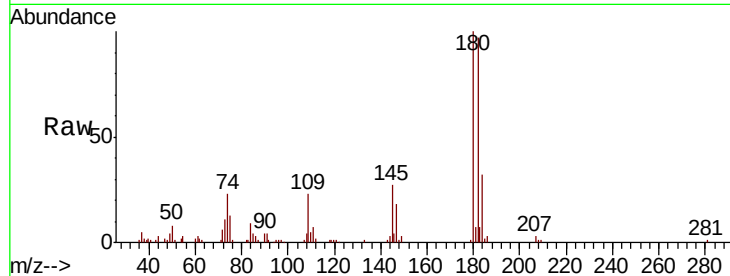




#89
 1,2,4-Trichlorobenzene
 Concen: 15.501 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

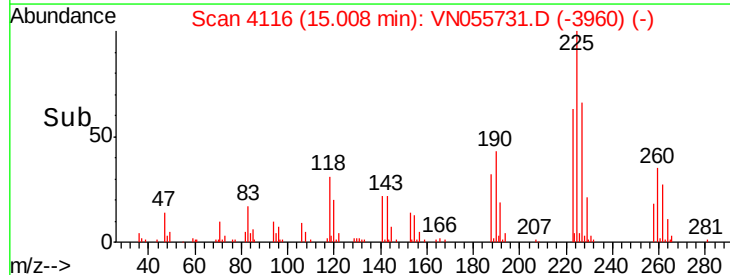
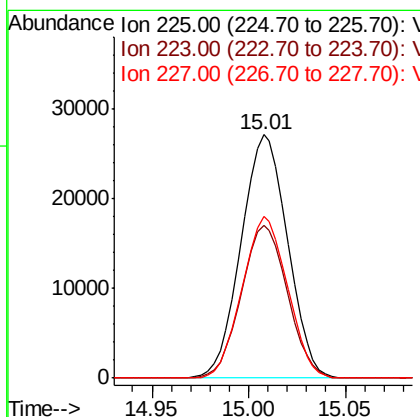
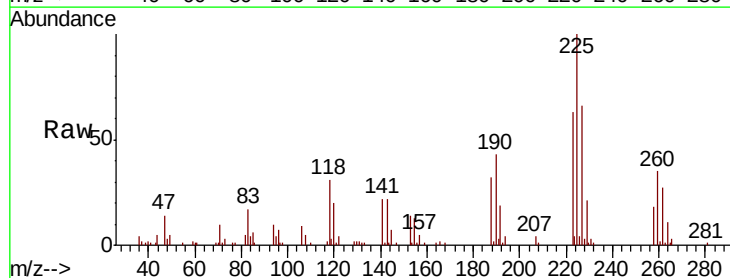
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBS01

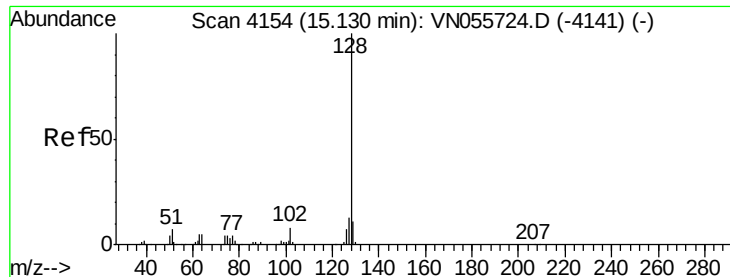
Tot Ion:180 Resp: 53815
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.1 114.1
 145 27.9 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 17.515 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055731.D
 Acq: 22 May 2019 21:07

Tgt Ion:225 Resp: 45372
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 126.0
 227 64.7 0.0 133.0





#91

Naphthalene

Concen: 16.939 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBS01

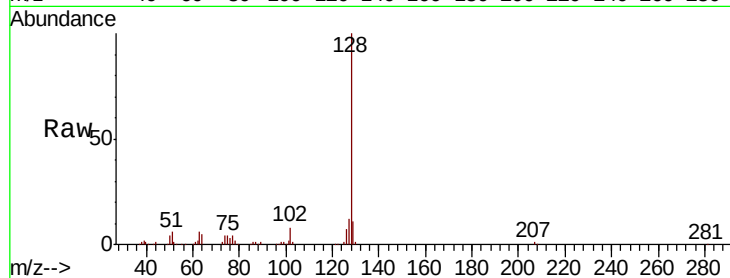
Tot Ion:128 Resp: 160683

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

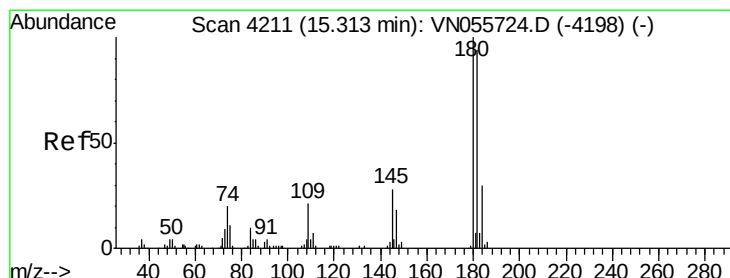
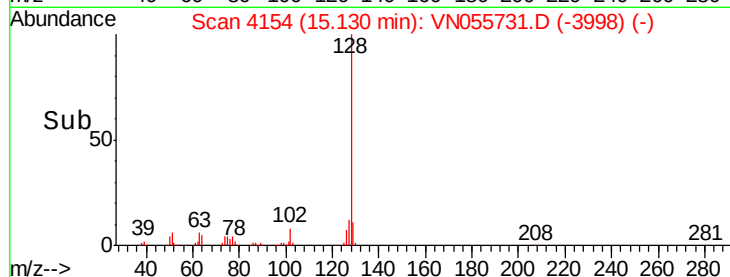
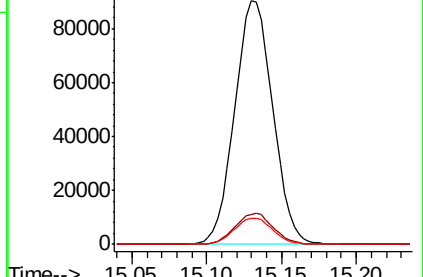
129 10.9 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 16.901 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055731.D

Acq: 22 May 2019 21:07

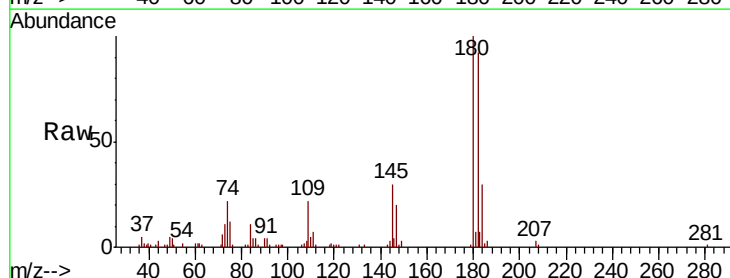
Tgt Ion:180 Resp: 61323

Ion Ratio Lower Upper

180 100

182 95.0 0.0 188.6

145 30.1 0.0 56.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

