

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055724.D
 Acq On : 22 May 2019 17:22
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: May 23 05:36:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:31:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	310340	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269720	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	111817	25.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.90%
60) 4-Bromofluorobenzene	12.40	95	124488	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	376273	29.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49607	16.609	ug/l 100
3) Chloromethane	2.06	50	72647	17.205	ug/l 100
4) Vinyl Chloride	2.18	62	73674	20.657	ug/l 100
5) Bromomethane	2.55	94	45799	22.535	ug/l 100
6) Chloroethane	2.69	64	43749	21.671	ug/l 100
7) Trichlorofluoromethane	3.01	101	90808	17.875	ug/l 100
8) Diethyl Ether	3.40	74	40170	19.043	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57973	17.944	ug/l 100
10) 1,1-Dichloroethene	3.73	96	60680	19.703	ug/l 100
11) Methyl Iodide	3.94	142	84510	17.766	ug/l 100
12) Methyl Acetate	4.33	43	73071	16.982	ug/l 100
13) Acrolein	3.60	56	49173	188.593	ug/l 100
14) Acrylonitrile	4.99	53	171087	106.501	ug/l 100
15) Acetone	3.82	58	55235	133.897	ug/l 100
16) Carbon Disulfide	4.04	76	173690	20.363	ug/l 100
17) Allyl chloride	4.32	41	108516	16.768	ug/l 100
18) Methylene Chloride	4.55	84	69443	18.520	ug/l 100
19) trans-1,2-Dichloroethene	5.03	96	65773	19.658	ug/l 100
20) Diisopropyl ether	5.95	45	209888	16.287	ug/l 100
21) 1,1-Dichloroethane	5.85	63	120213	17.623	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	75837	19.444	ug/l 100
23) tert-Butyl Alcohol	4.81	59	74838	167.571	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	206342	20.352	ug/l 100
25) Chloroform	7.37	83	118282	18.293	ug/l 100
26) Cyclohexane	7.65	56	109686	18.198	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	87428	18.169	ug/l 100
30) 2-Butanone	6.84	43	238582	116.074	ug/l 100
31) 2,2-Dichloropropane	6.82	77	104792	22.009	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	104367	19.286	ug/l 100
33) Carbon Tetrachloride	7.77	117	93717	20.354	ug/l 100
34) Benzene	8.04	78	270872	18.723	ug/l 100
35) Methacrylonitrile	7.17	41	42438	19.314	ug/l 100
36) 1,2-Dichloroethane	8.12	62	88885	17.526	ug/l 100
37) Trichloroethene	8.83	130	75389	20.235	ug/l 100
38) Methylcyclohexane	9.08	83	108820	20.470	ug/l 100
39) 1,2-Dichloropropane	9.12	63	72977	17.867	ug/l 100
40) Dibromomethane	9.21	93	46389	19.320	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	96390	19.461	ug/l	100
42) Vinyl Acetate	5.90	43	919026	96.730	ug/l	100
43) Ethyl Acetate	6.93	43	93812	22.126	ug/l #	100
44) Isopropyl Acetate	8.17	43	151147	20.023	ug/l	100
45) 1,4-Dioxane	9.20	88	28509	630.442	ug/l	100
46) Methyl methacrylate	9.20	41	71184	19.979	ug/l	100
47) n-amyl Acetate	12.07	43	125822	22.268	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	104571	20.897	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	115983	20.257	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	68587	20.580	ug/l	100
51) Ethyl methacrylate	10.43	69	109826	23.024	ug/l	100
52) 1,3-Dichloropropane	10.71	76	113928	19.473	ug/l	100
53) Dibromochloromethane	10.90	129	79410	22.273	ug/l	100
54) 1,2-Dibromoethane	11.00	107	70399	21.337	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	209154	136.702	ug/l	100
56) Bromoform	12.13	173	65857	26.606	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	461690	107.880	ug/l	100
59) 2-Hexanone	10.75	43	326778	116.566	ug/l	100
61) Tetrachloroethene	10.63	164	76216	21.662	ug/l	100
62) Toluene	10.16	91	297183	19.622	ug/l	100
64) Chlorobenzene	11.43	112	178805	19.828	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72401	21.115	ug/l	100
66) Ethyl Benzene	11.51	91	323583	19.918	ug/l	100
67) m/p-Xylenes	11.62	106	246356	41.292	ug/l	100
68) o-Xylene	11.95	106	122596	20.681	ug/l	100
69) Styrene	11.96	104	196535	21.000	ug/l	100
70) Isopropylbenzene	12.25	105	319003	20.449	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	99416	22.434	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	122286	31.582	ug/l	64
73) Bromobenzene	12.53	156	82871	21.793	ug/l	100
74) n-propylbenzene	12.59	91	338316	19.554	ug/l	100
75) 2-Chlorotoluene	12.67	91	210126	19.787	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	264205	20.528	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	32048	28.139	ug/l	100
78) 4-Chlorotoluene	12.77	91	193709	19.241	ug/l	100
79) tert-butylbenzene	12.99	119	234796	21.090	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	259362	20.879	ug/l	100
81) sec-Butylbenzene	13.17	105	293975	20.170	ug/l	100
82) p-Isopropyltoluene	13.29	119	268349	21.685	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	128184	20.877	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	119554	20.643	ug/l	100
85) n-Butylbenzene	13.61	91	198198	20.805	ug/l	100
86) Hexachloroethane	13.87	117	53175	24.149	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	131094	21.321	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18446	26.447	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	60839	23.323	ug/l	100
90) Hexachlorobutadiene	15.01	225	53504	24.853	ug/l	100
91) Naphthalene	15.13	128	170353	26.711	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	68115	24.816	ug/l	100

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QLast Update : Thu May 23 05:31:08 2019
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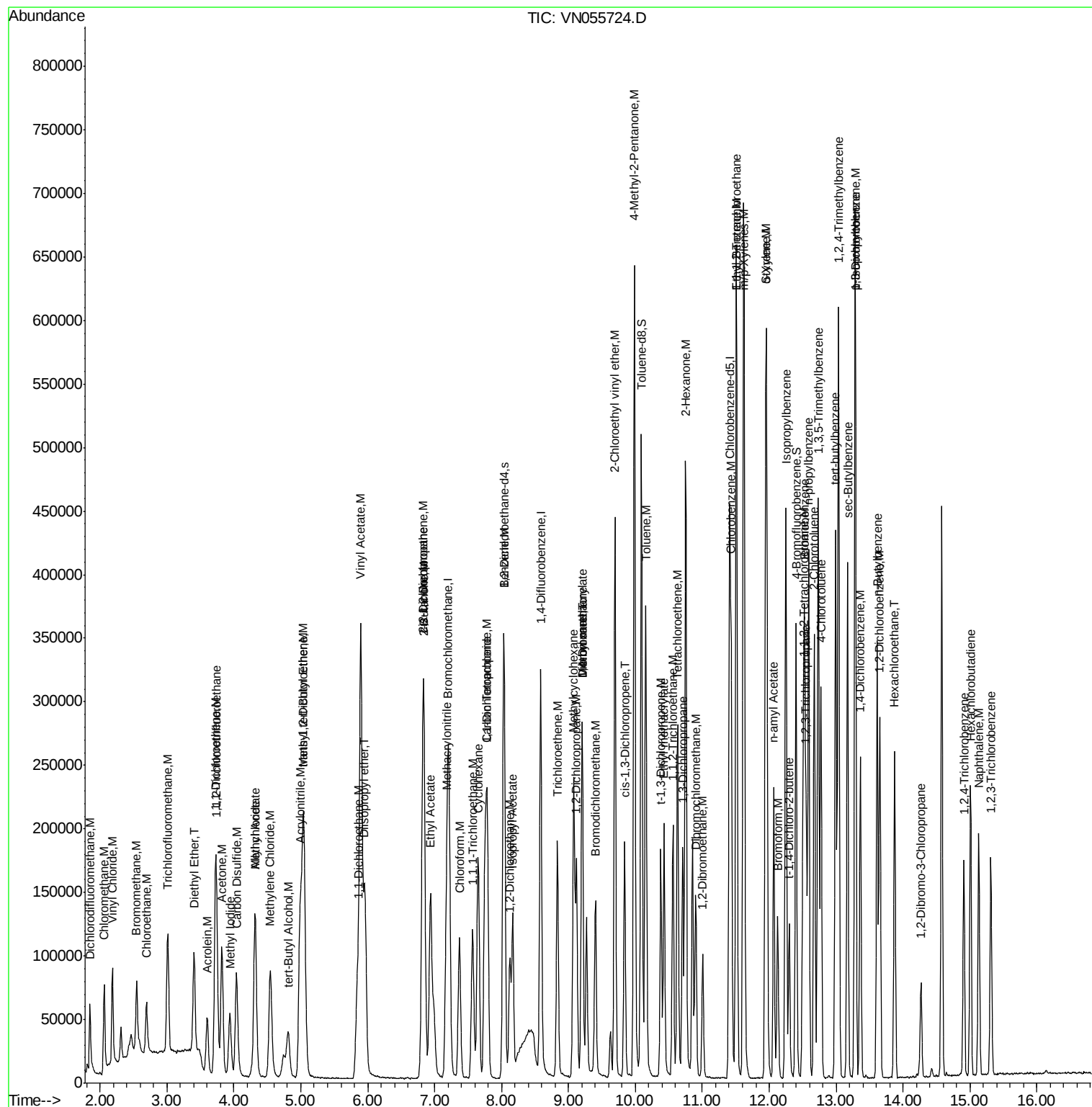
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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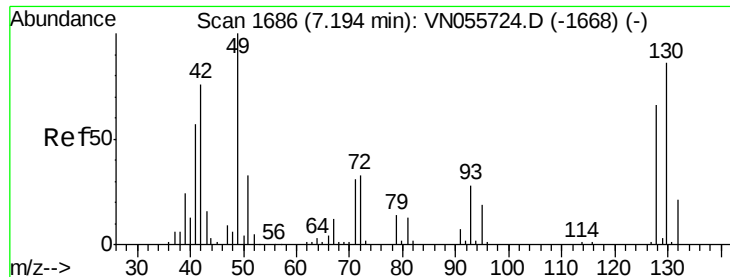
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
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Quant Time: May 23 05:36:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
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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: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

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ClientSampleId :

VSTDICCC020

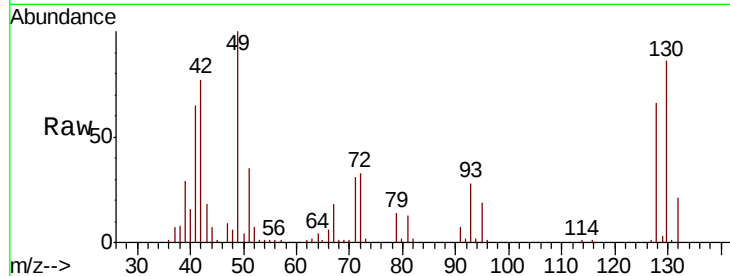
Tot Ion:128 Resp: 56933

Ion Ratio Lower Upper

128 100

49 153.3 0.0 383.2

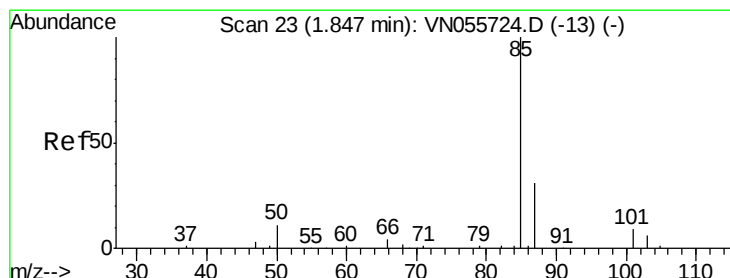
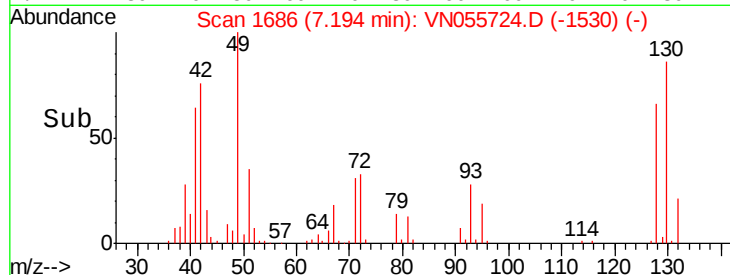
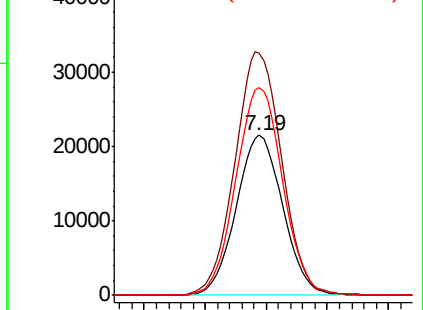
130 130.5 0.0 326.3



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: 16.609 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055724.D

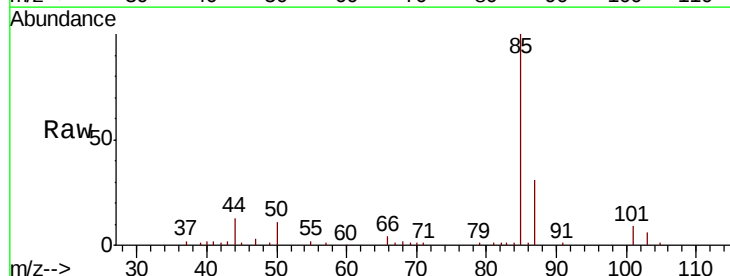
Acq: 22 May 2019 17:22

Tgt Ion: 85 Resp: 49607

Ion Ratio Lower Upper

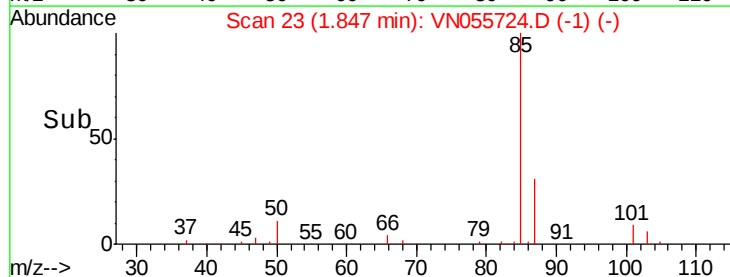
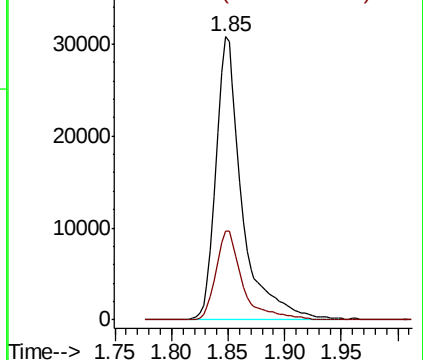
85 100

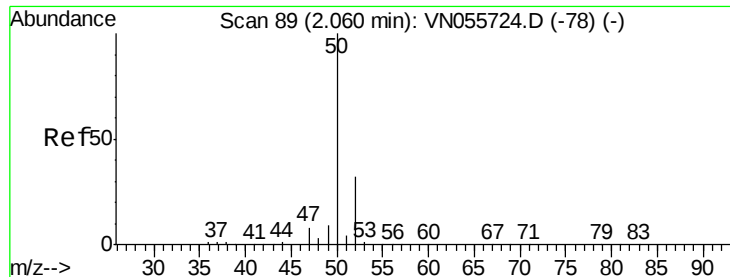
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.205 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

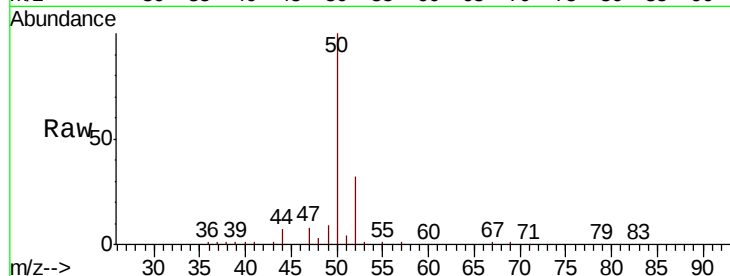
VSTDICCC020

Tot Ion: 50 Resp: 72647

Ion Ratio Lower Upper

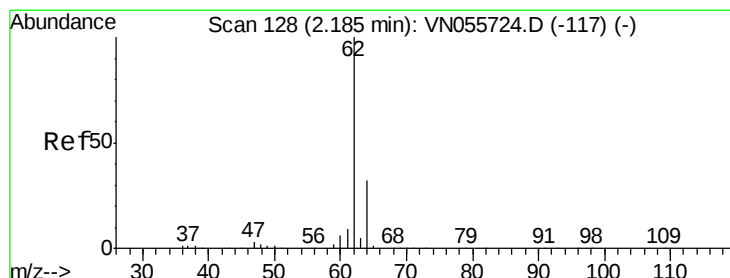
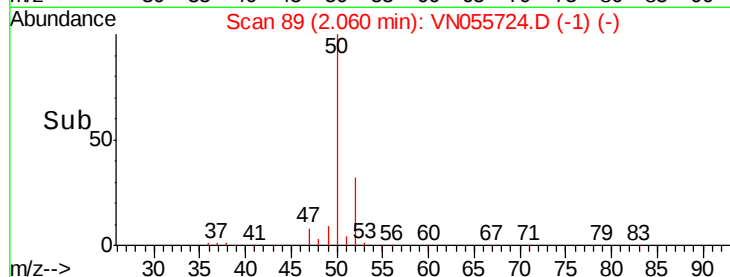
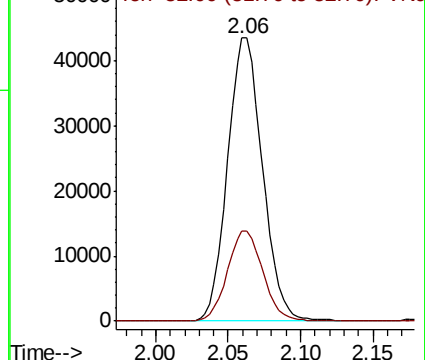
50 100

52 31.8 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: 20.657 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055724.D

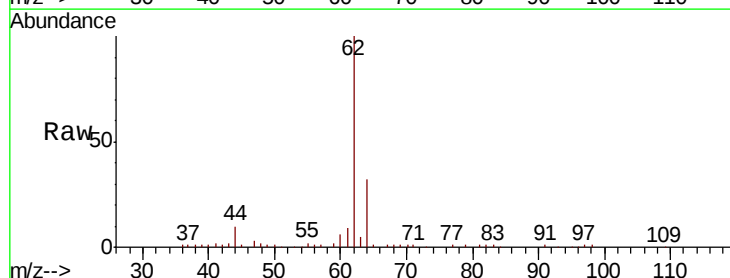
Acq: 22 May 2019 17:22

Tgt Ion: 62 Resp: 73674

Ion Ratio Lower Upper

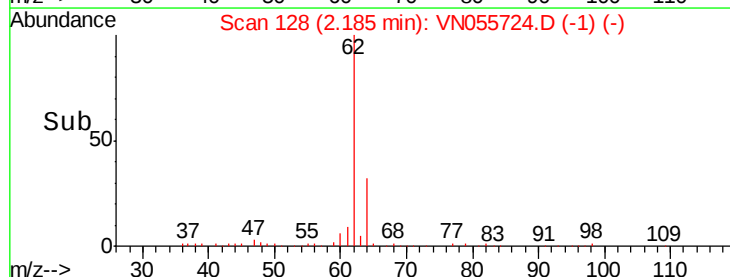
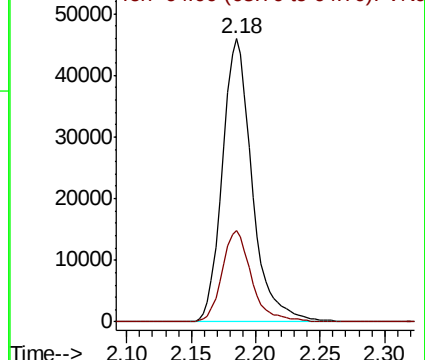
62 100

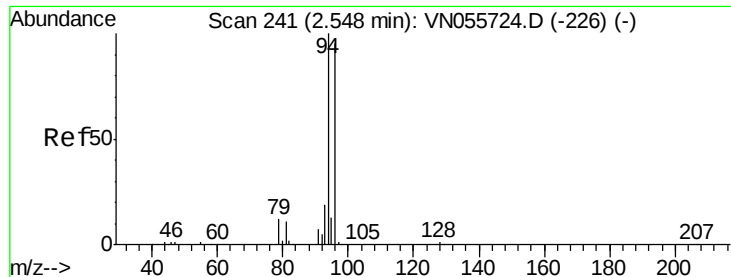
64 32.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.535 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

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Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

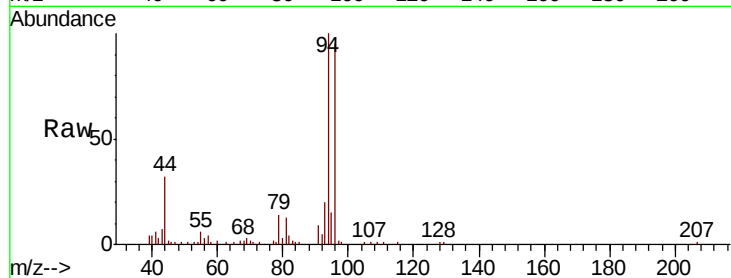
VSTDICCC020

Tot Ion: 94 Resp: 45799

Ion Ratio Lower Upper

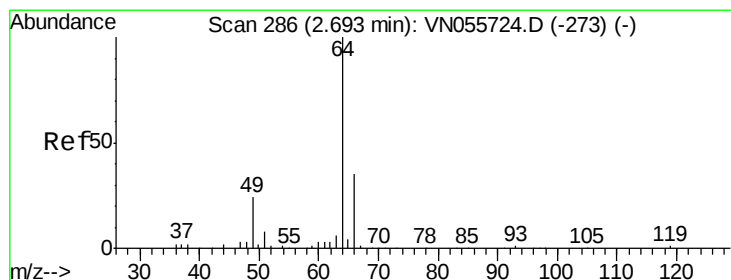
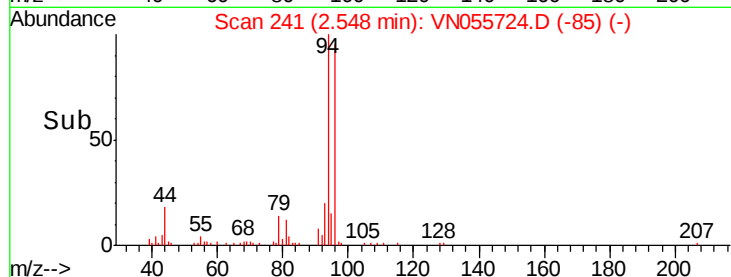
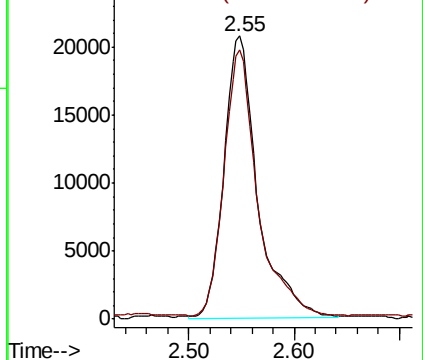
94 100

96 94.8 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.671 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN055724.D

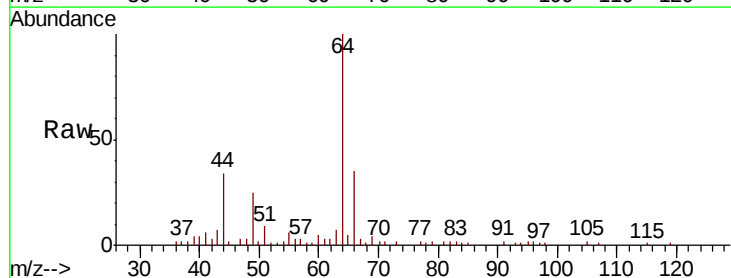
Acq: 22 May 2019 17:22

Tgt Ion: 64 Resp: 43749

Ion Ratio Lower Upper

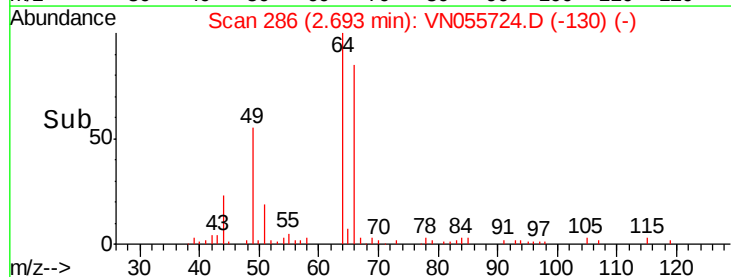
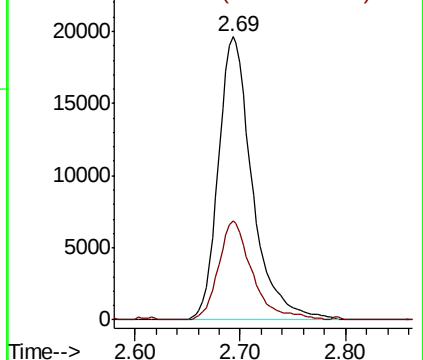
64 100

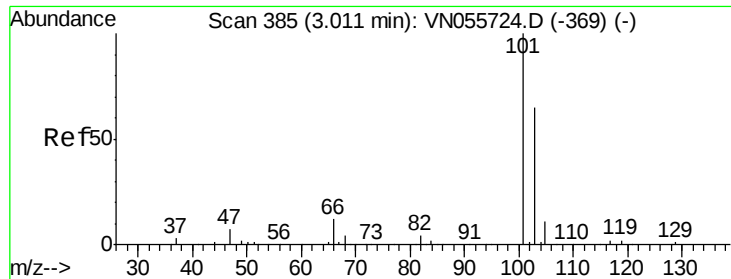
66 34.9 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



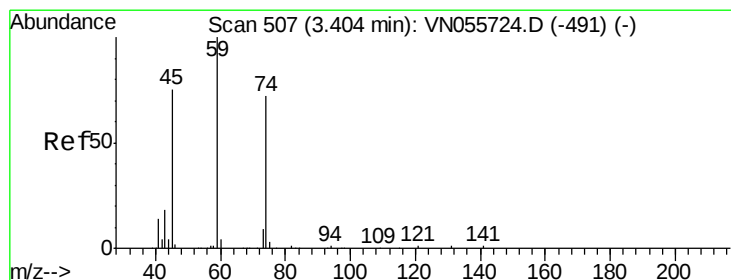
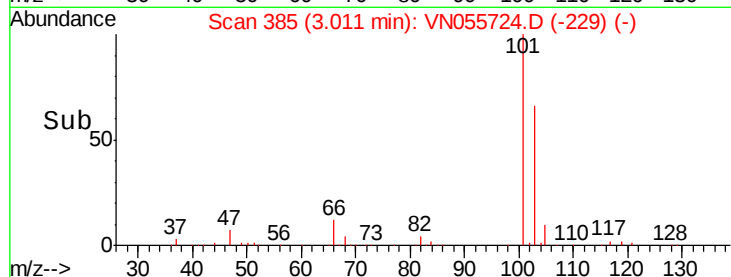
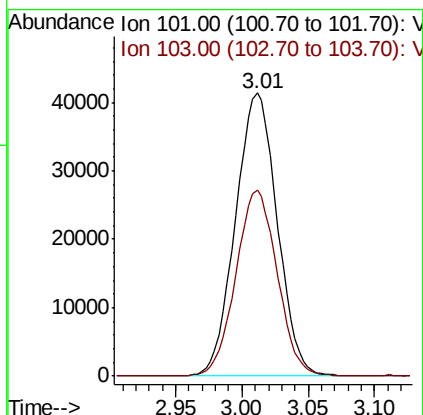
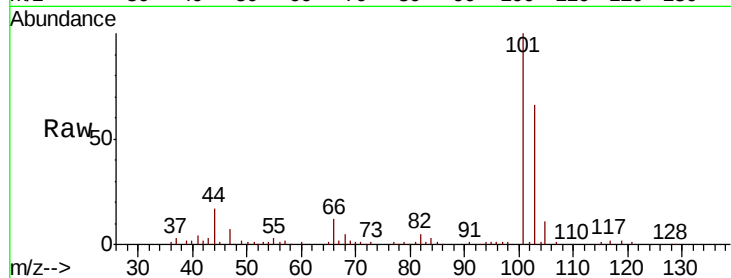


#7

Trichlorofluoromethane
 Concen: 17.875 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055724.D
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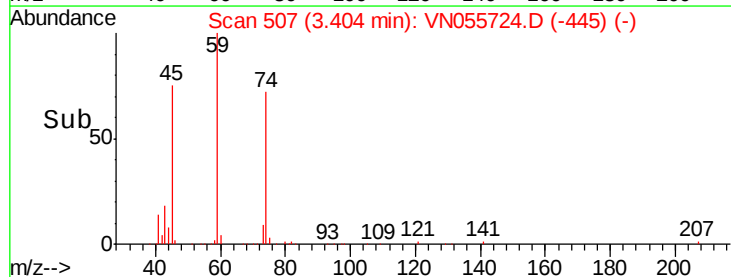
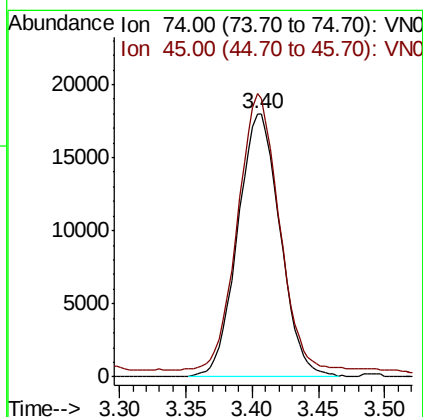
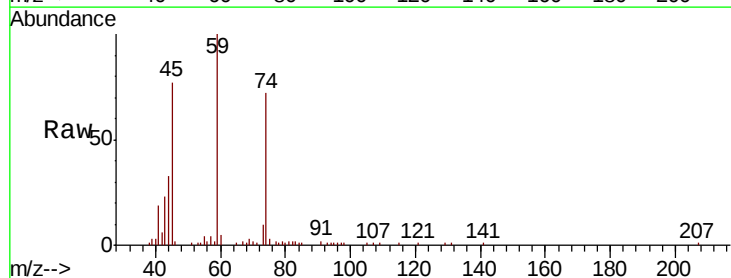
Tot Ion:101 Resp: 90808
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

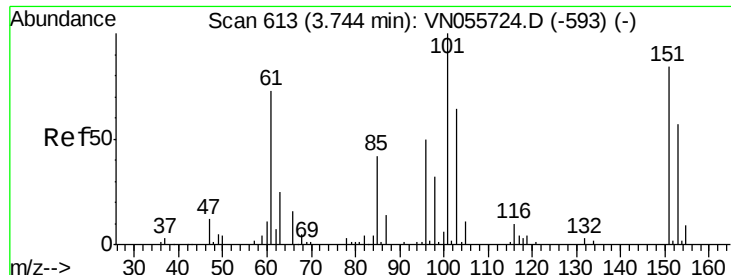


#8

Diethyl Ether
 Concen: 19.043 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 74 Resp: 40170
 Ion Ratio Lower Upper
 74 100
 45 102.2 20.4 184.0

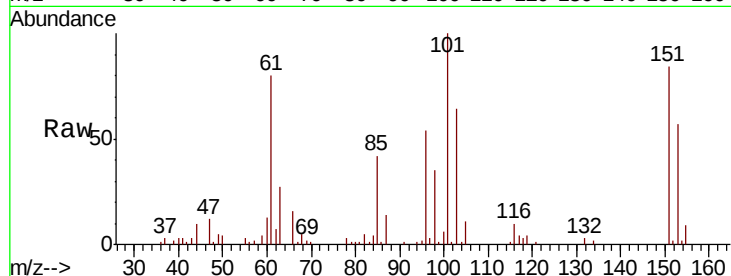




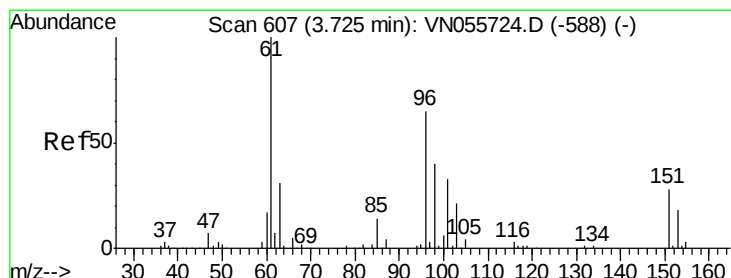
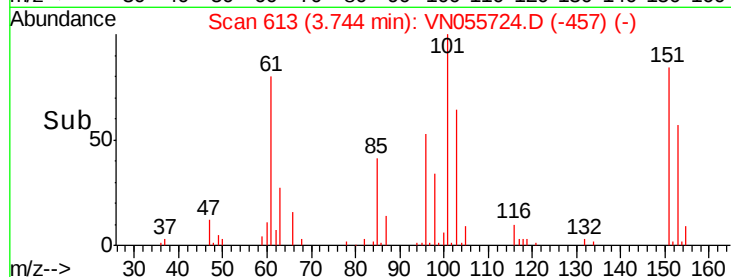
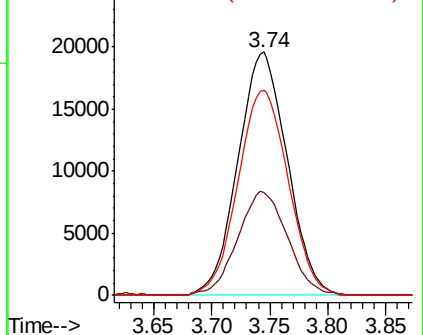
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.944 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:101 Resp: 57973
 Ion Ratio Lower Upper
 101 100
 85 43.3 0.0 86.6
 151 86.1 0.0 172.2

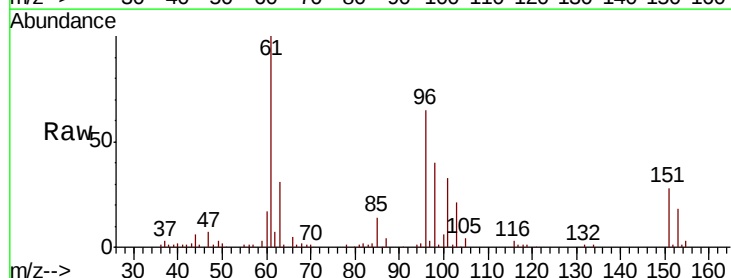


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

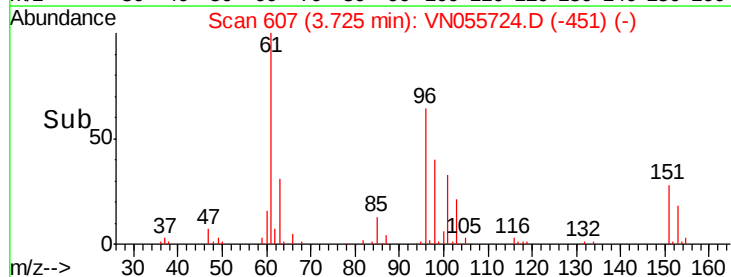
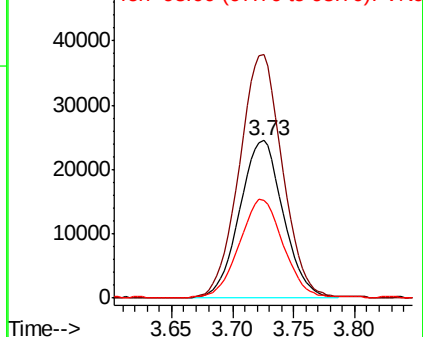


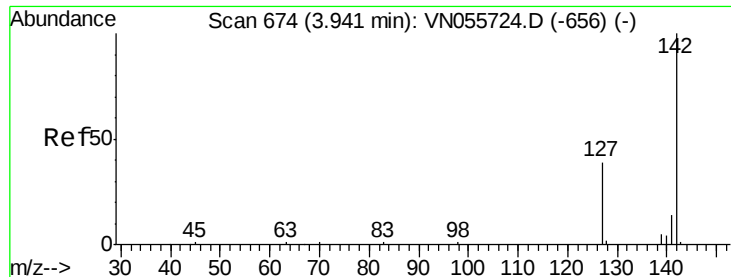
#10
 1,1-Dichloroethene
 Concen: 19.703 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 96 Resp: 60680
 Ion Ratio Lower Upper
 96 100
 61 154.6 123.7 185.5
 98 62.5 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

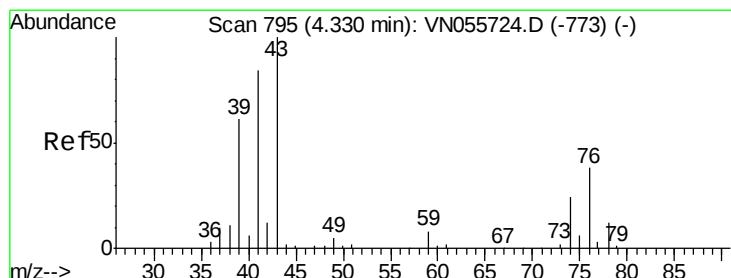
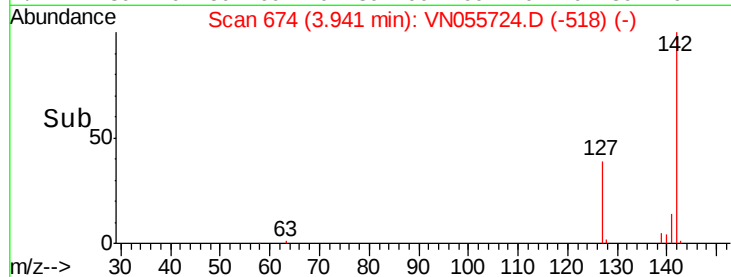
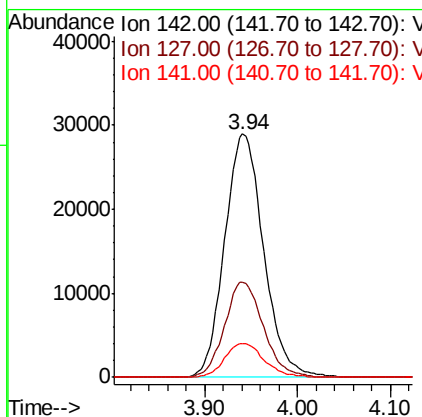
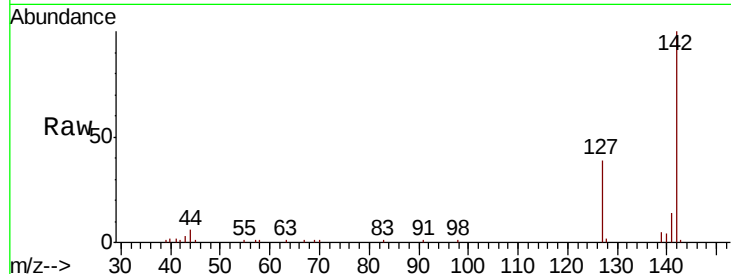




#11
Methvl Iodide
Concen: 17.766 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

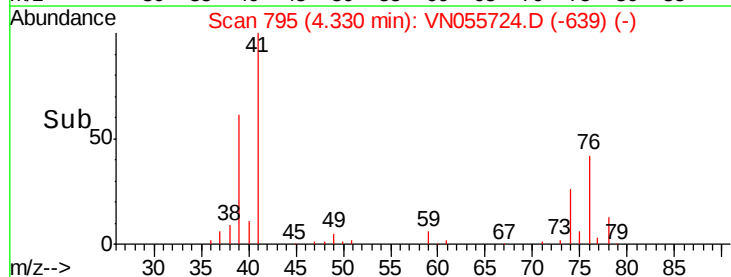
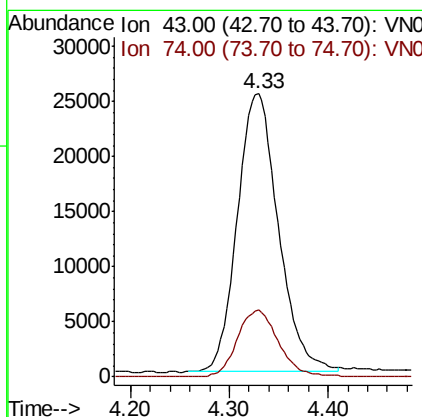
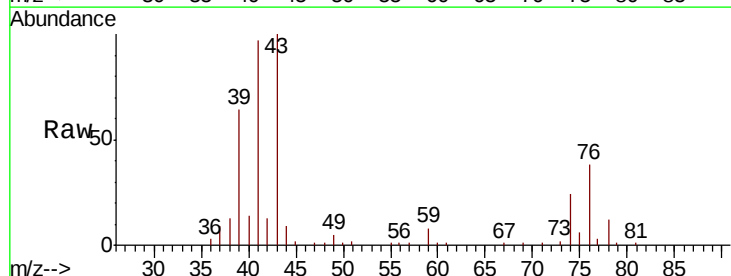
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

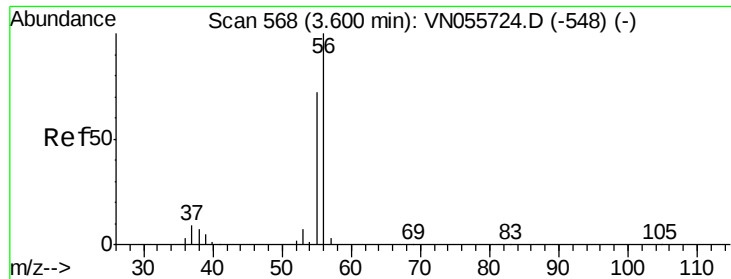
Tot Ion:142 Resp: 84510
Ion Ratio Lower Upper
142 100
127 39.1 19.6 58.7
141 13.7 6.9 20.6



#12
Methyl Acetate
Concen: 16.982 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 43 Resp: 73071
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





#13

Acrolein

Concen: 188.593 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

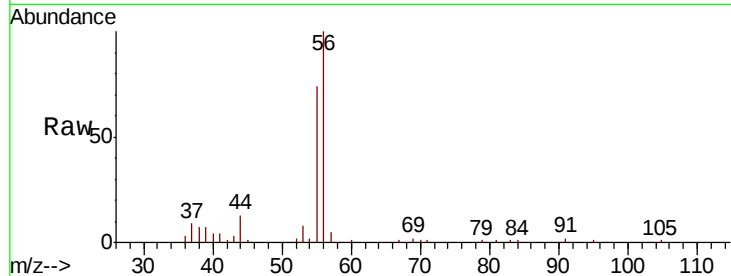
VSTDICCC020

Tot Ion: 56 Resp: 49173

Ion Ratio Lower Upper

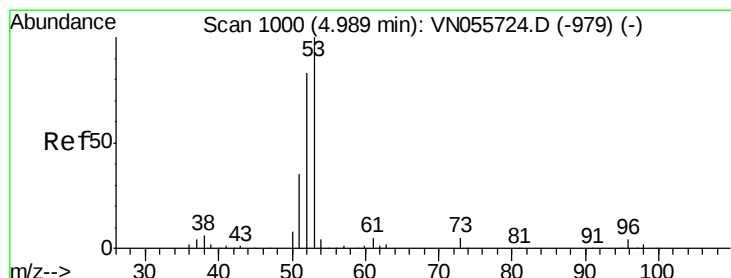
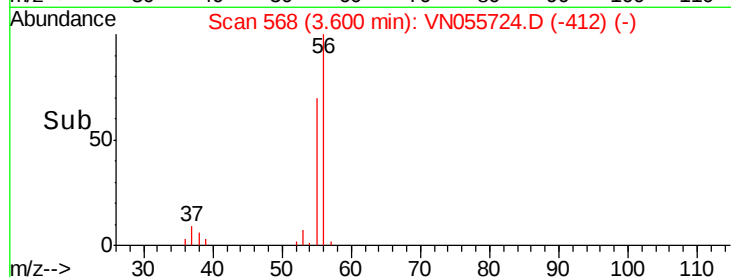
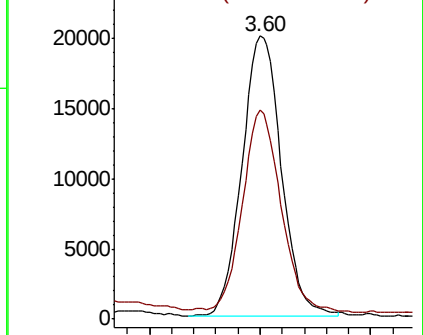
56 100

55 71.3 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 106.501 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

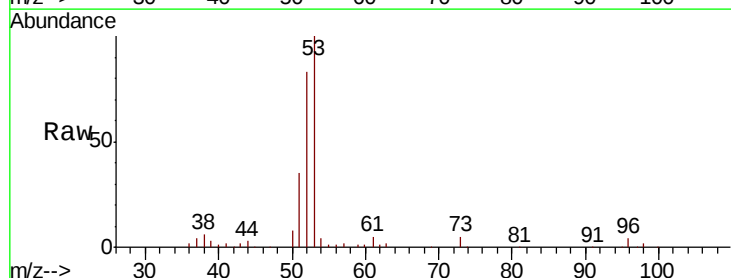
Tgt Ion: 53 Resp: 171087

Ion Ratio Lower Upper

53 100

52 82.3 41.1 123.4

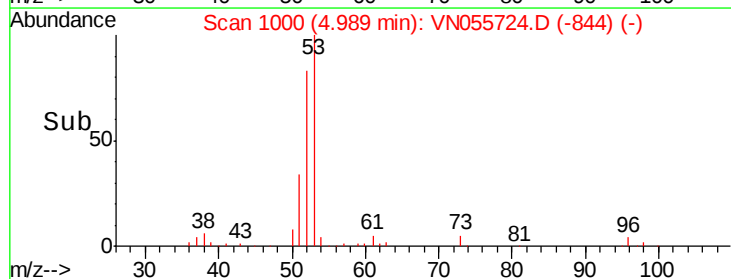
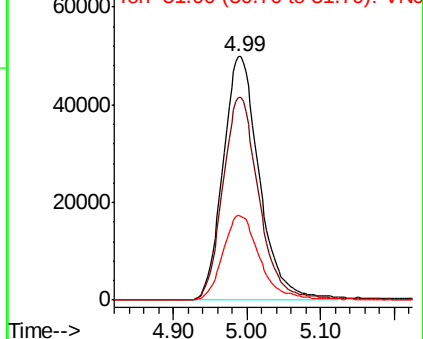
51 35.1 17.5 52.6

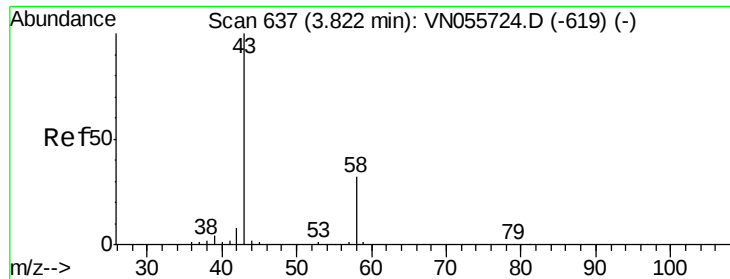


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 133.897 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

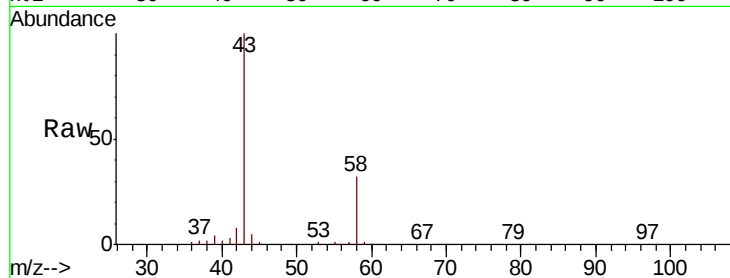
VSTDICCC020

Tot Ion: 58 Resp: 55235

Ion Ratio Lower Upper

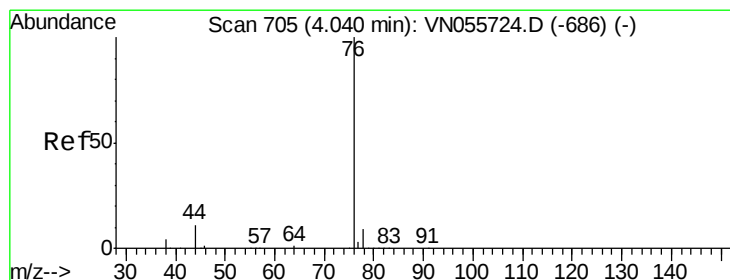
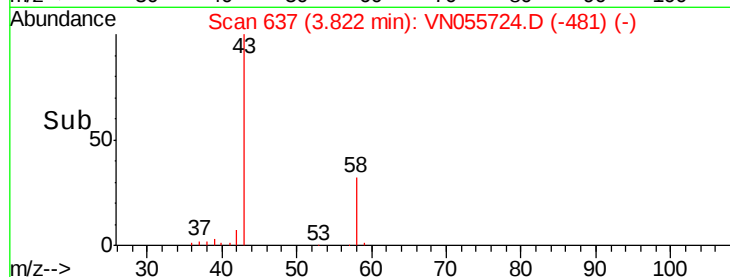
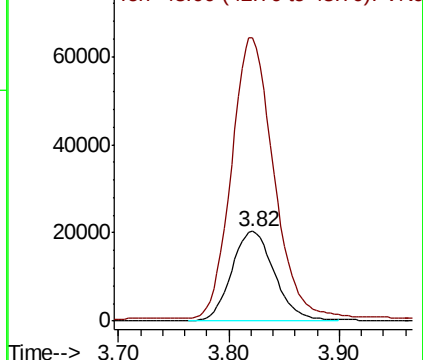
58 100

43 311.0 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.363 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055724.D

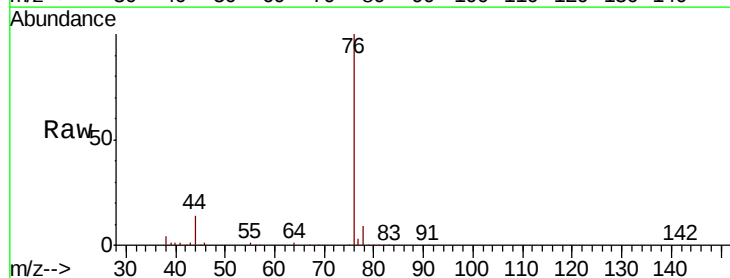
Acq: 22 May 2019 17:22

Tgt Ion: 76 Resp: 173690

Ion Ratio Lower Upper

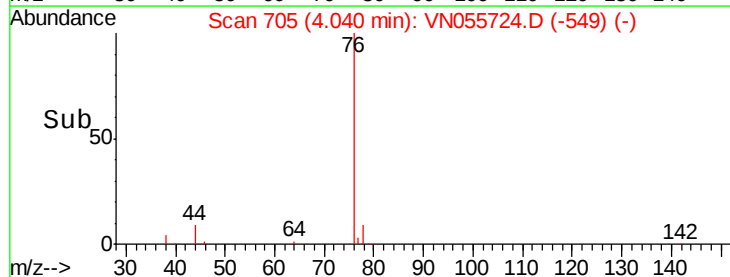
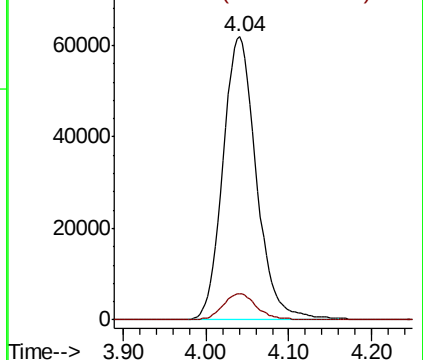
76 100

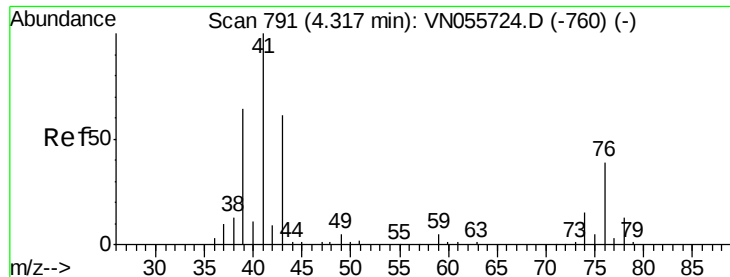
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

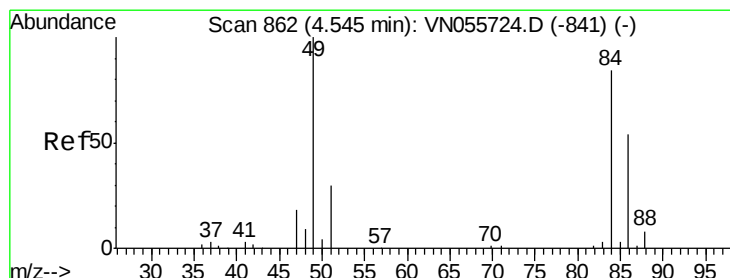
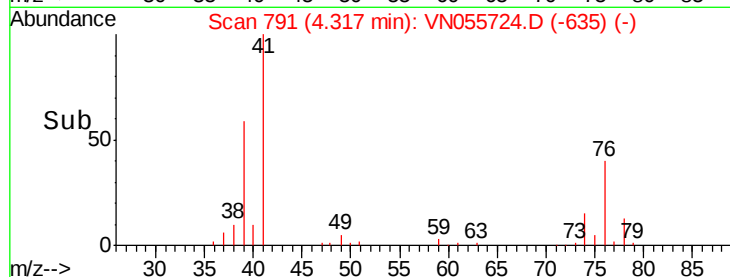
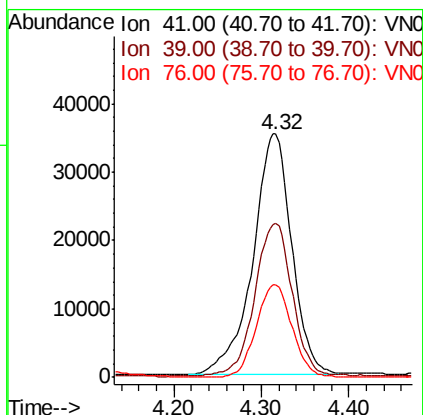
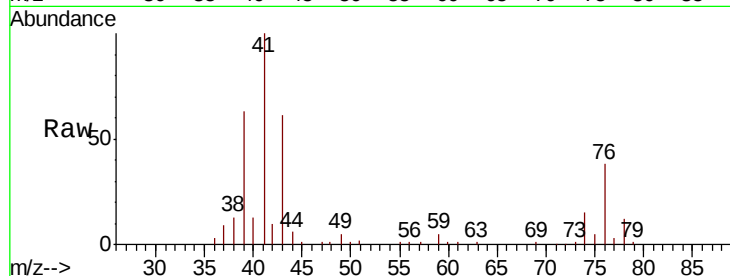




#17
Allvl chloride
Concen: 16.768 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

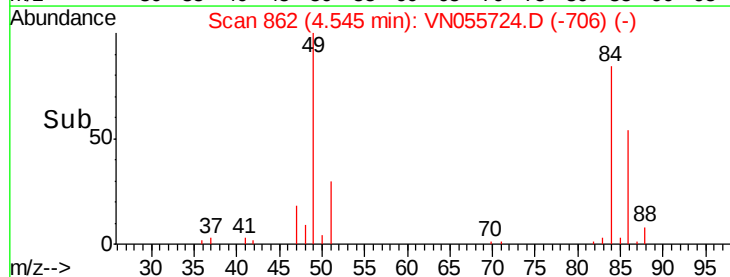
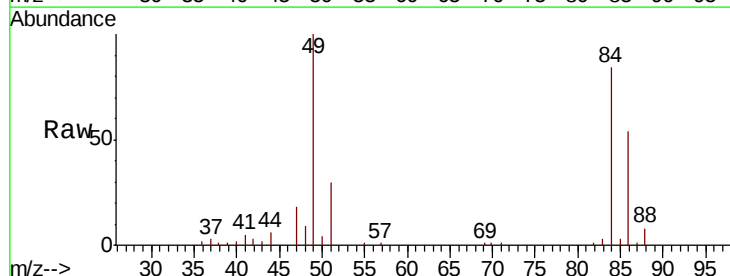
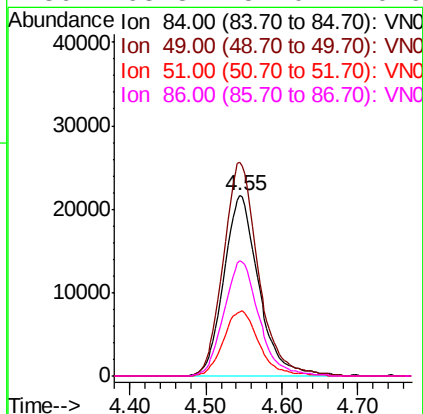
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

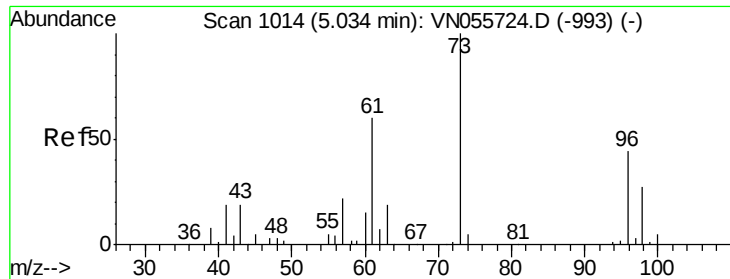
Tot Ion: 41 Resp: 108516
Ion Ratio Lower Upper
41 100
39 63.5 31.8 95.3
76 38.6 19.3 57.9



#18
Methylene Chloride
Concen: 18.520 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 84 Resp: 69443
Ion Ratio Lower Upper
84 100
49 118.4 94.7 142.1
51 35.8 28.6 43.0
86 63.8 51.0 76.6

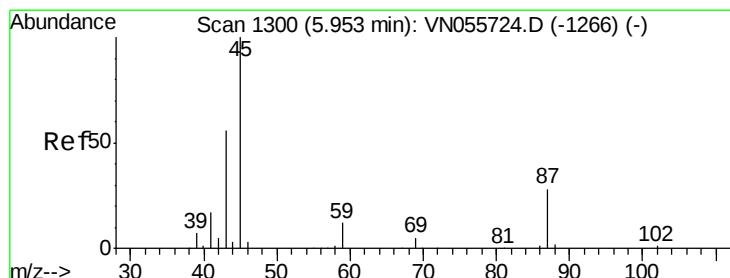
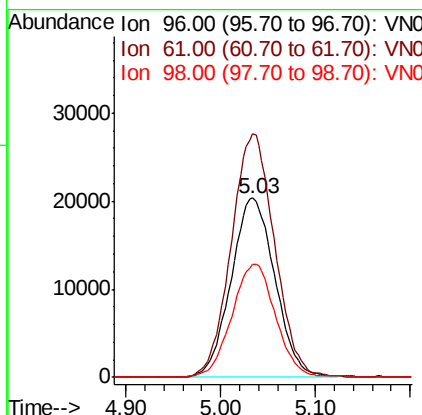
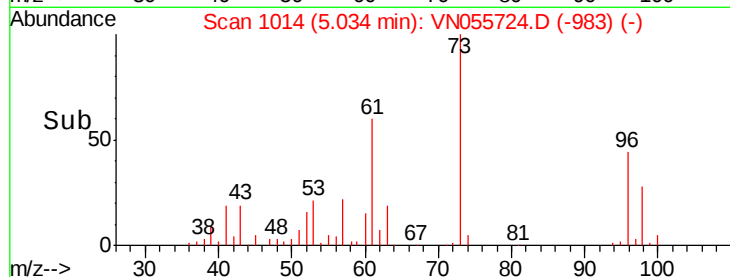
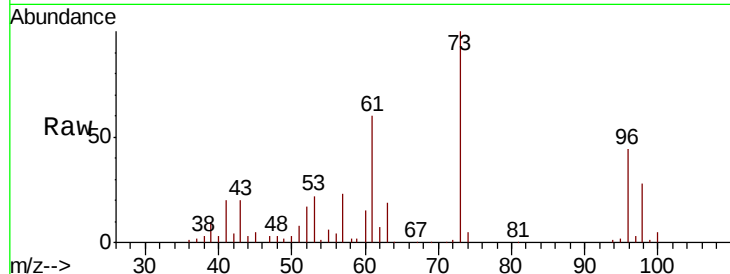




#19
trans-1,2-Dichloroethene
Concen: 19.658 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

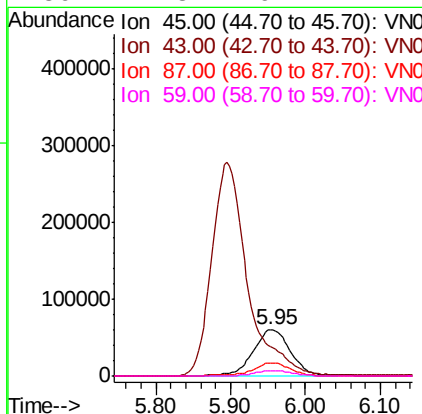
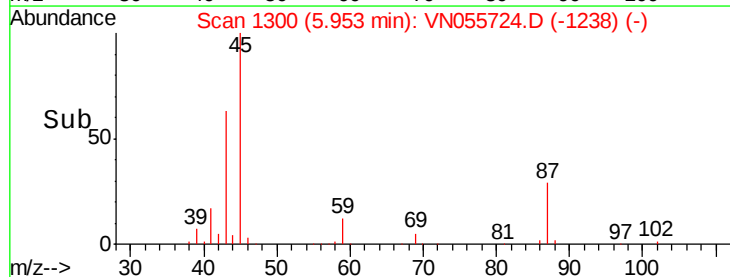
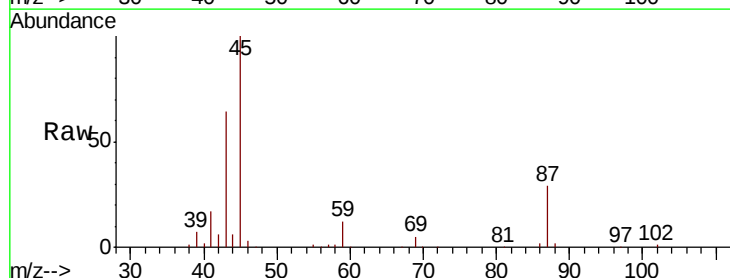
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

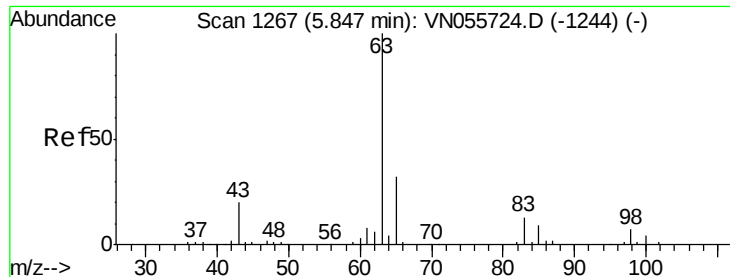
Tot Ion: 96 Resp: 65773
Ion Ratio Lower Upper
96 100
61 135.6 108.5 162.7
98 61.8 49.4 74.2



#20
Diisopropyl ether
Concen: 16.287 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 45 Resp: 209888
Ion Ratio Lower Upper
45 100
43 60.8 48.6 73.0
87 28.3 22.6 34.0
59 11.8 9.4 14.2





#21

1,1-Dichloroethane

Concen: 17.623 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

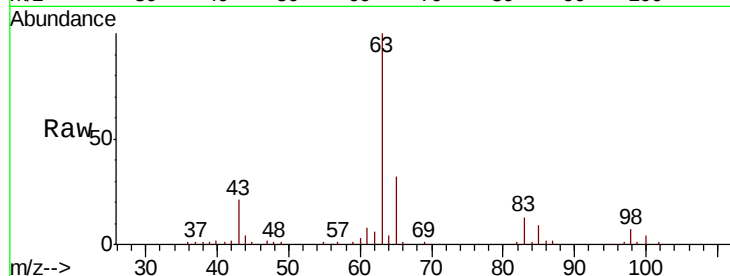
Tot Ion: 63 Resp: 120213

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

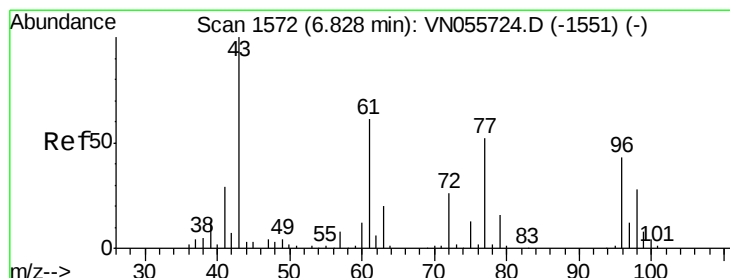
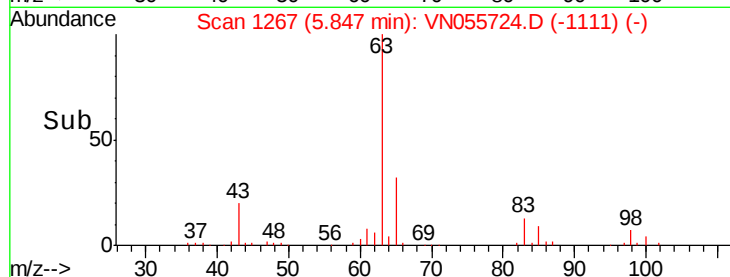
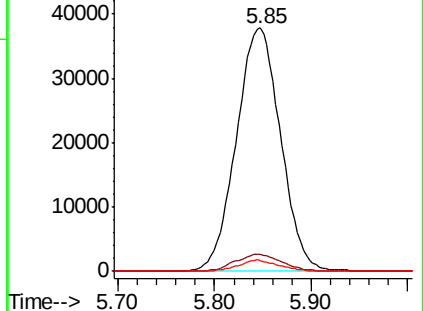
100 4.4 2.2 6.6



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: 19.444 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

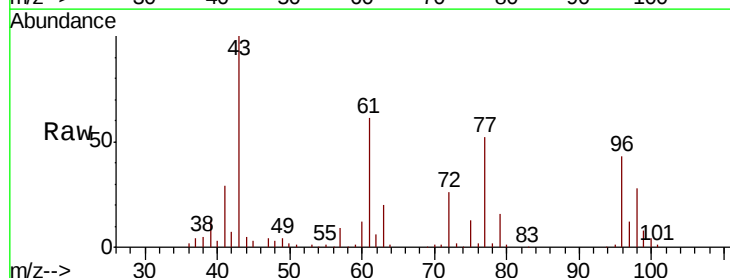
Tgt Ion: 96 Resp: 75837

Ion Ratio Lower Upper

96 100

61 144.6 115.7 173.5

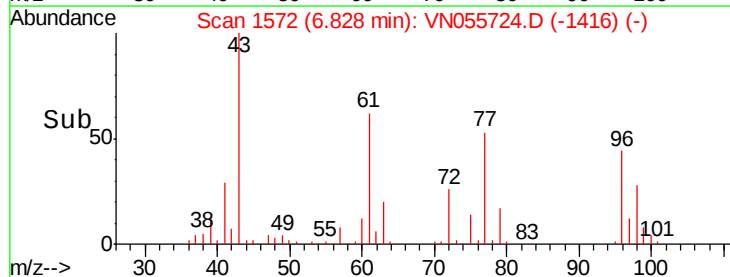
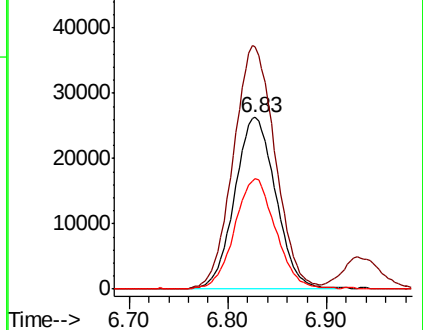
98 64.4 51.5 77.3

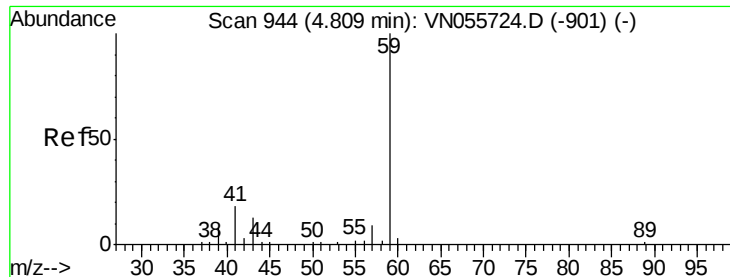


Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

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

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



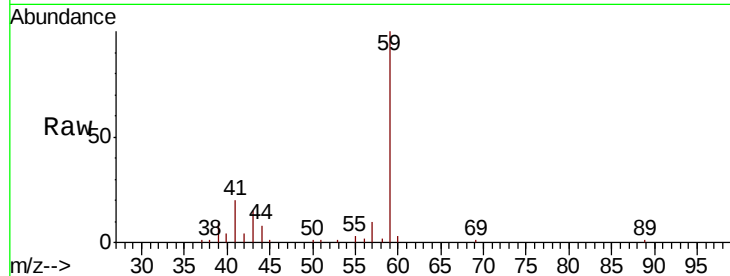


#23

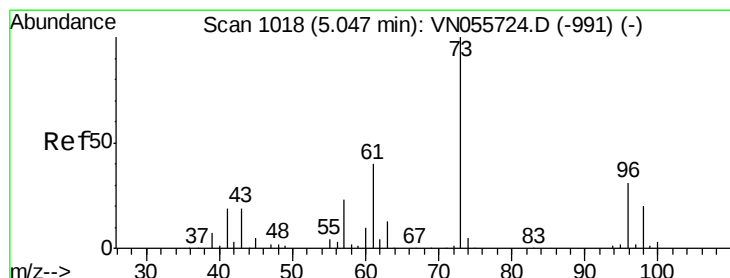
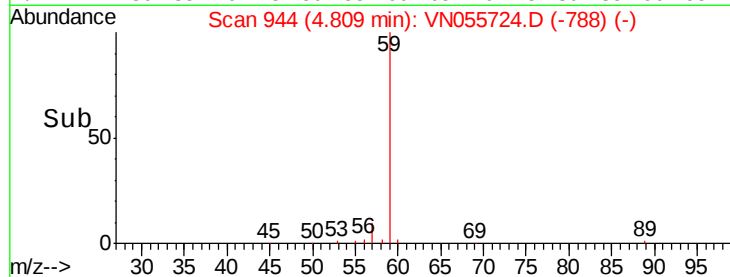
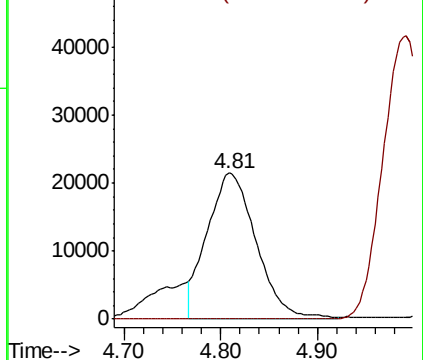
tert-Butyl Alcohol
 Concen: 167.571 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 59 Resp: 74838
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



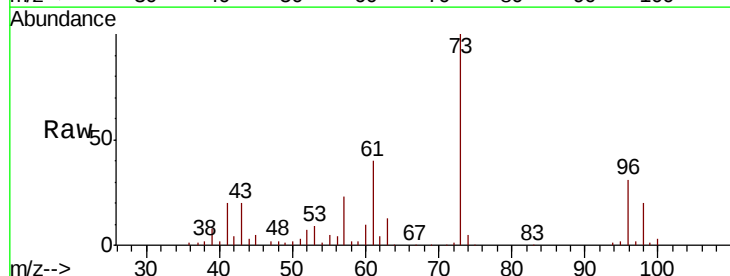
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



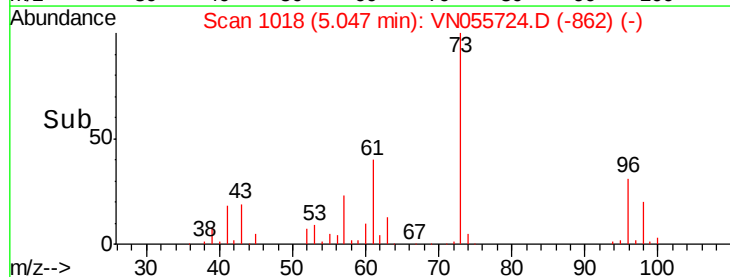
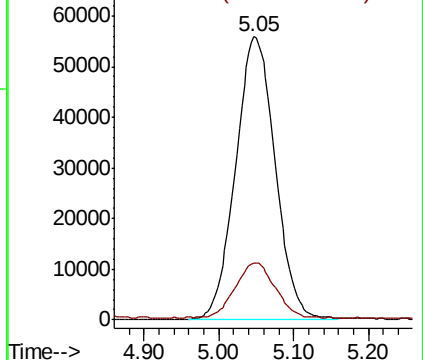
#24

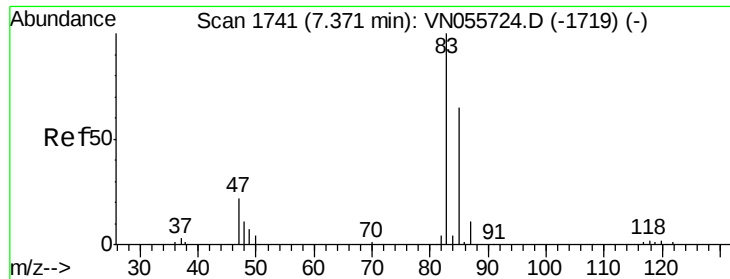
Methyl tert-Butyl Ether
 Concen: 20.352 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 73 Resp: 206342
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

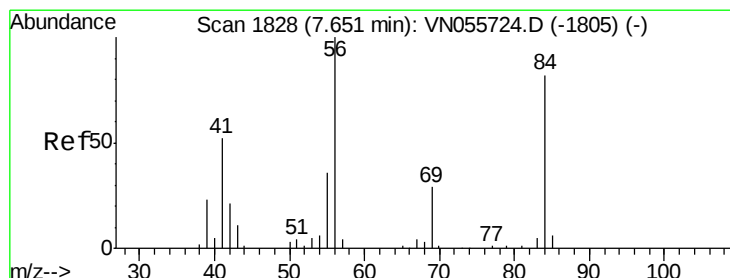
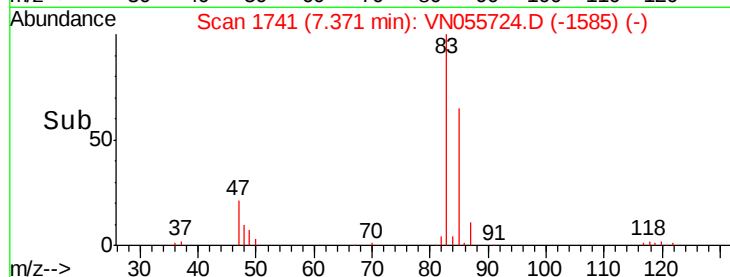
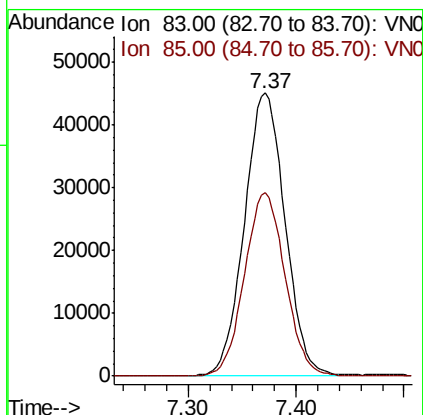
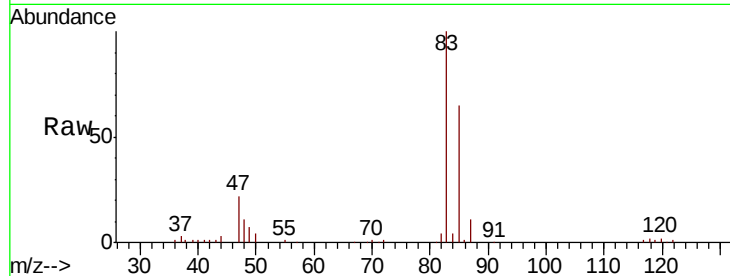




#25
Chloroform
Concen: 18.293 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

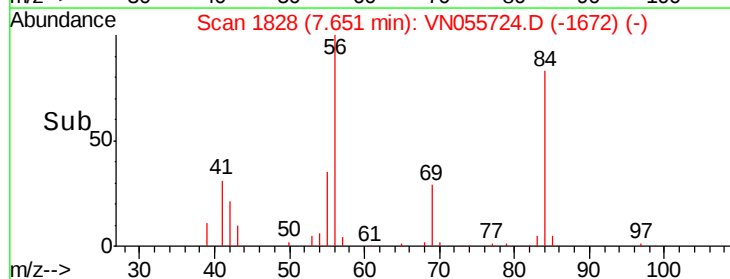
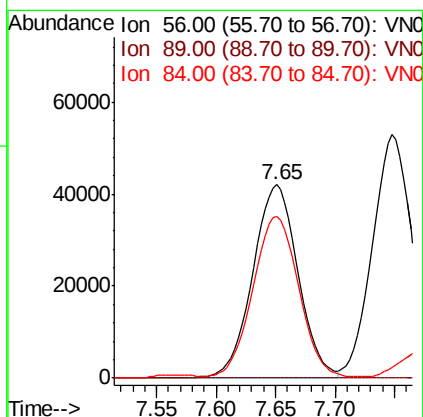
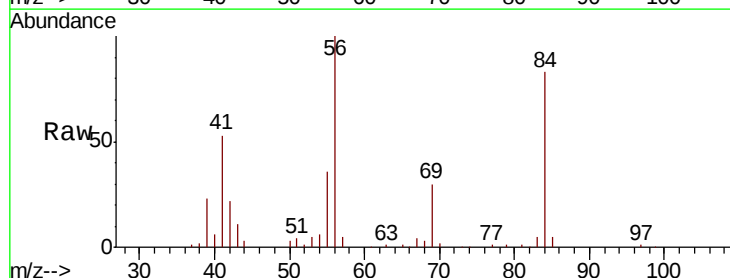
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

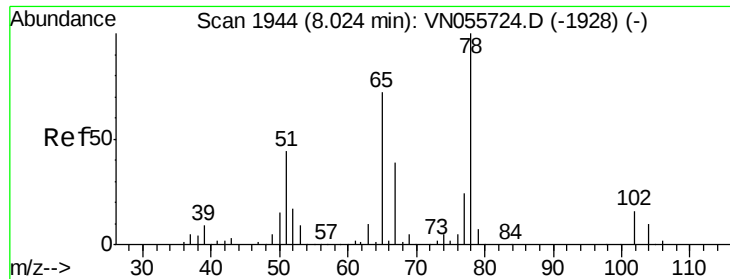
Tot Ion: 83 Resp: 118282
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



#26
Cyclohexane
Concen: 18.198 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 56 Resp: 109686
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.0 67.2 100.8

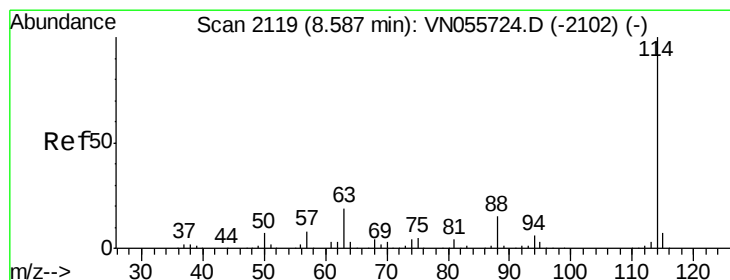
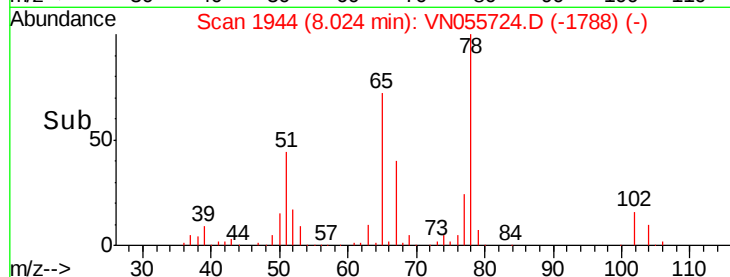
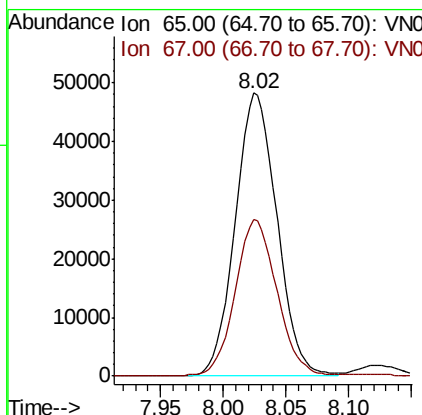
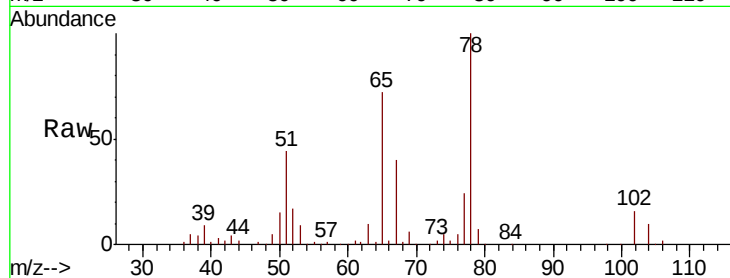




#27
 1,2-Dichloroethane-d4
 Concen: 25.768 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

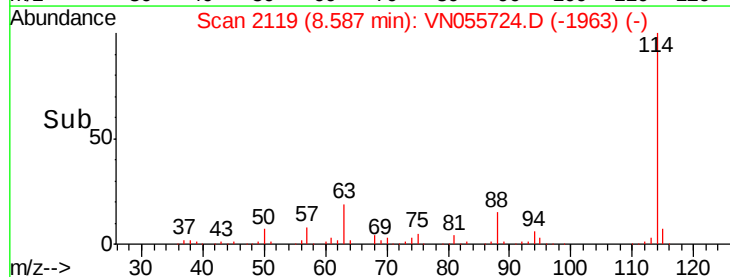
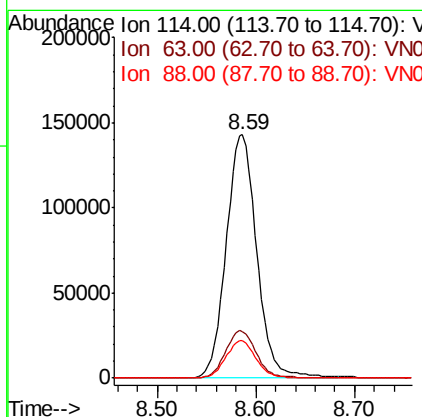
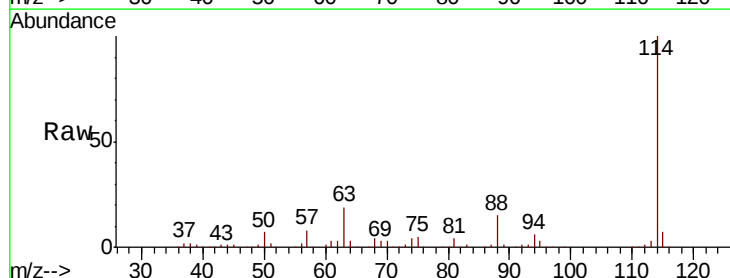
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

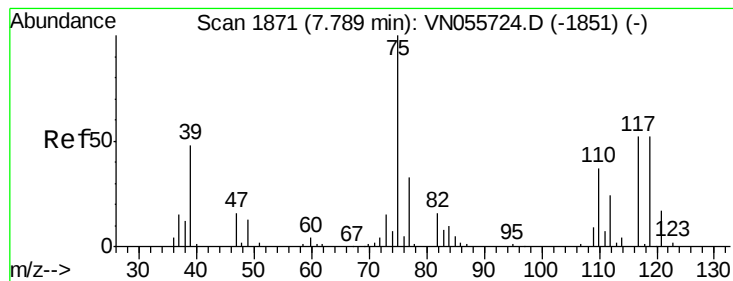
Tot Ion: 65 Resp: 111817
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 114 Resp: 310340
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.3 18.5





#29

1,1-Dichloropropene

Concen: 18.169 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

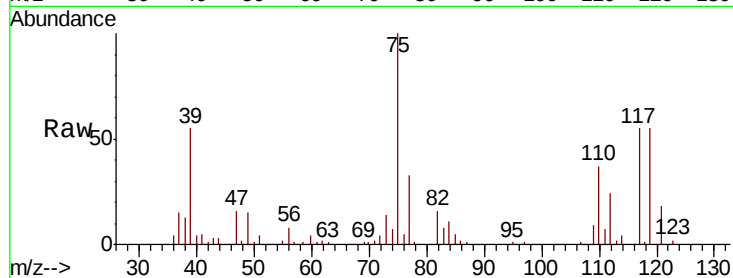
Tot Ion: 75 Resp: 87428

Ion Ratio Lower Upper

75 100

110 37.4 0.0 74.8

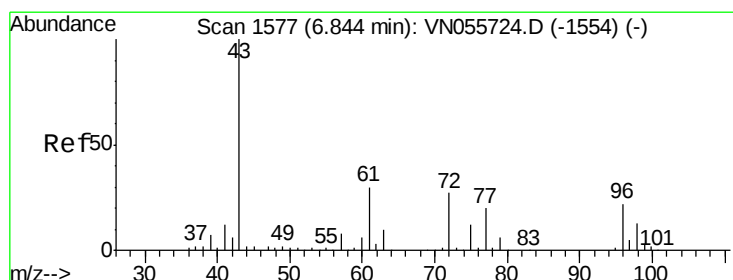
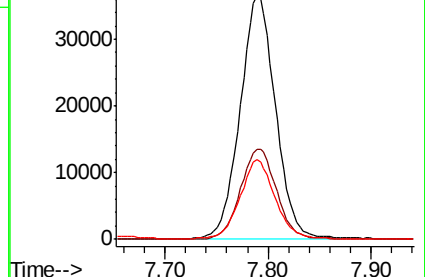
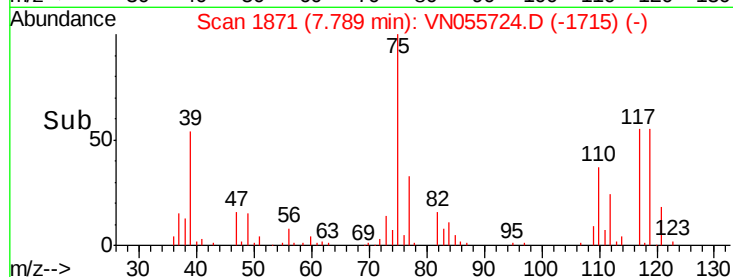
77 32.6 0.0 65.2



Abundance Ion 75.00 (74.70 to 75.70): VN055724.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN055724.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN055724.D (-1851) (-)



#30

2-Butanone

Concen: 116.074 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

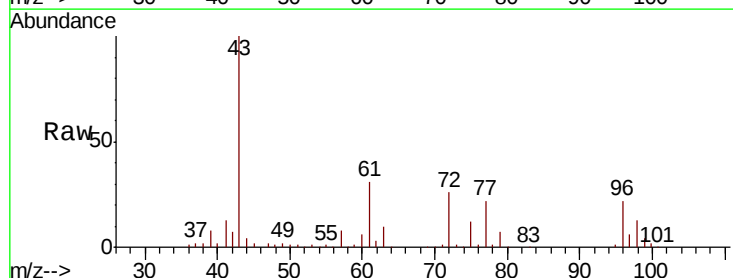
Tgt Ion: 43 Resp: 238582

Ion Ratio Lower Upper

43 100

57 8.3 6.6 10.0

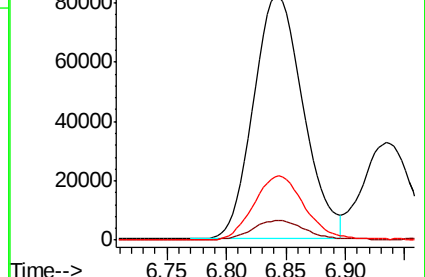
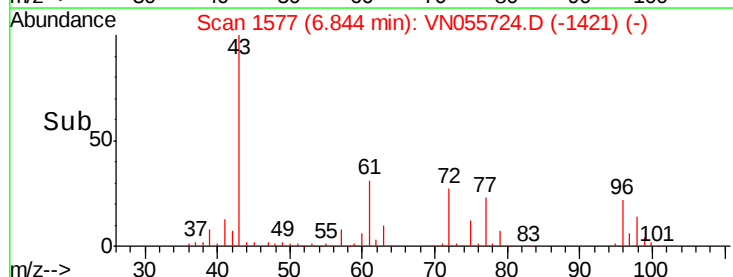
72 27.1 21.7 32.5

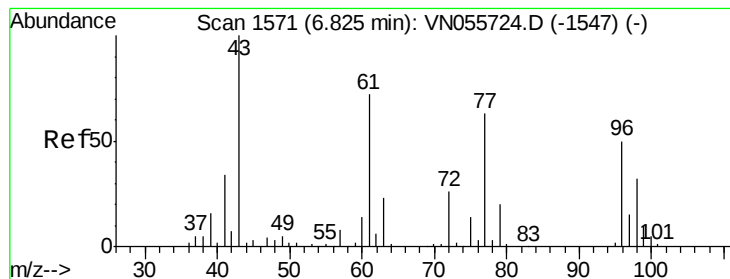


Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1554) (-)

Ion 57.00 (56.70 to 57.70): VN055724.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN055724.D (-1554) (-)





#31

2,2-Dichloropropane

Concen: 22.009 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

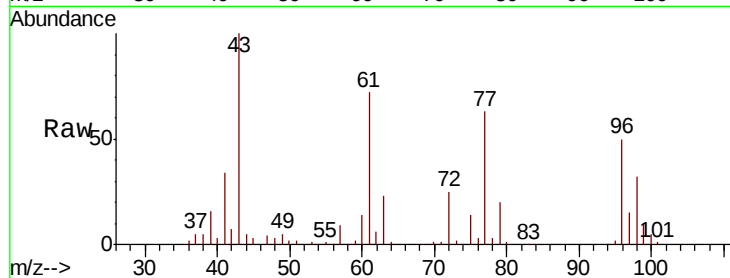
VSTDICCC020

Tot Ion: 77 Resp: 104792

Ion Ratio Lower Upper

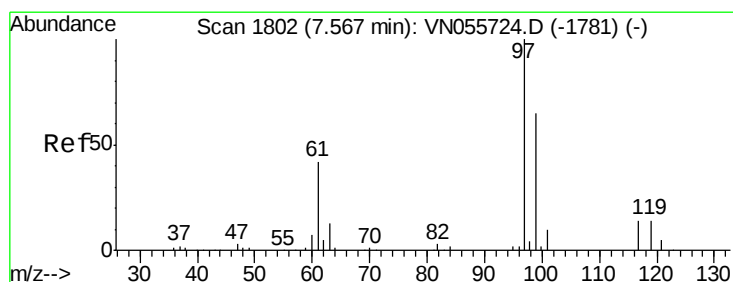
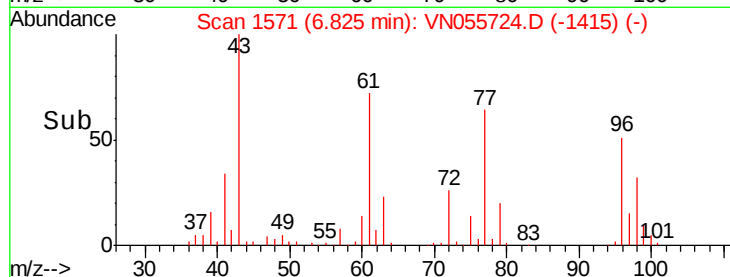
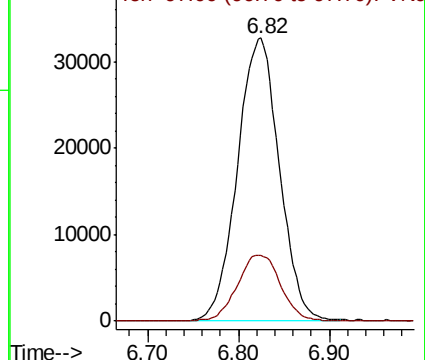
77 100

97 24.0 19.2 28.8



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.286 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

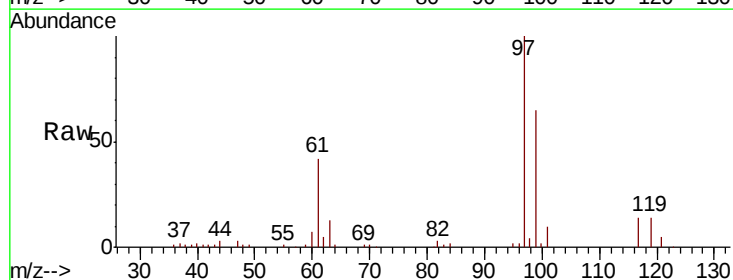
Tgt Ion: 97 Resp: 104367

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

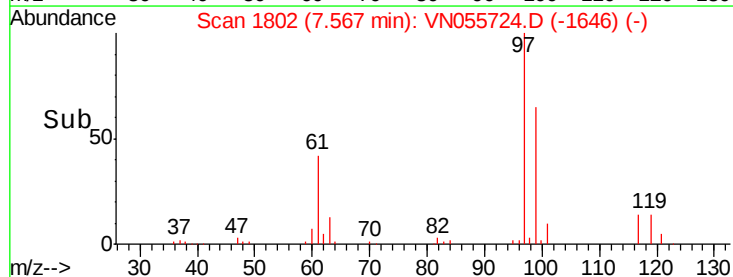
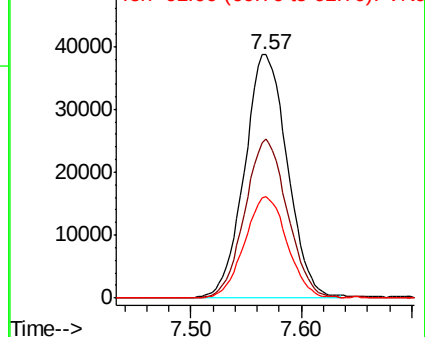
61 41.4 33.1 49.7

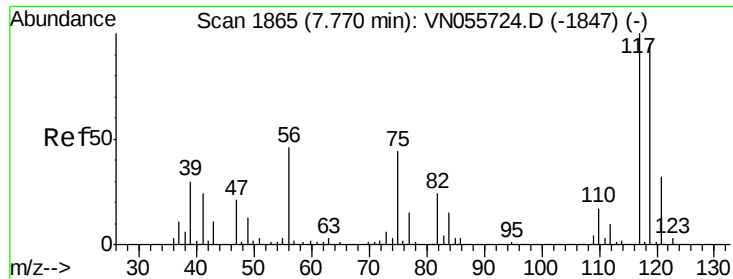


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

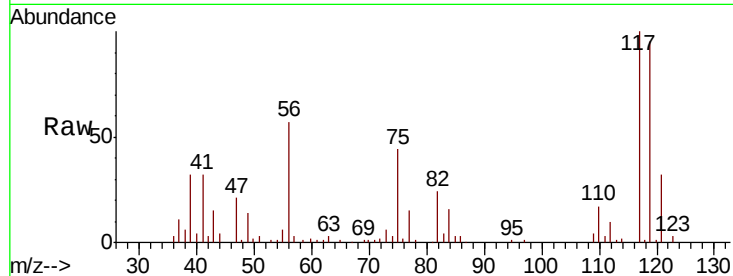




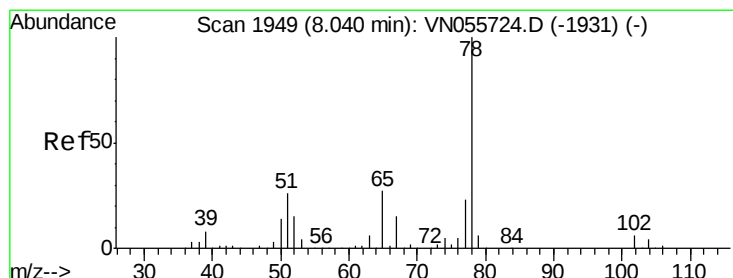
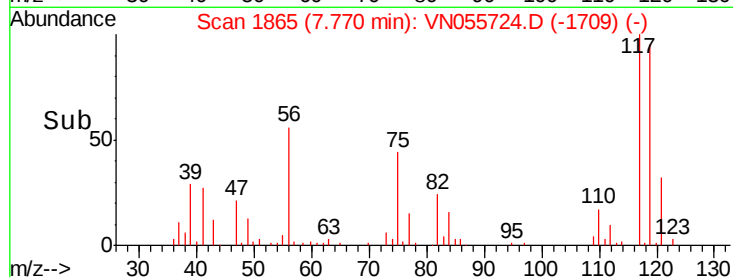
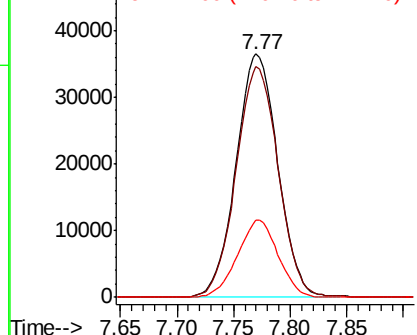
#33
Carbon Tetrachloride
Concen: 20.354 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 93717
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8
121 31.7 25.4 38.0

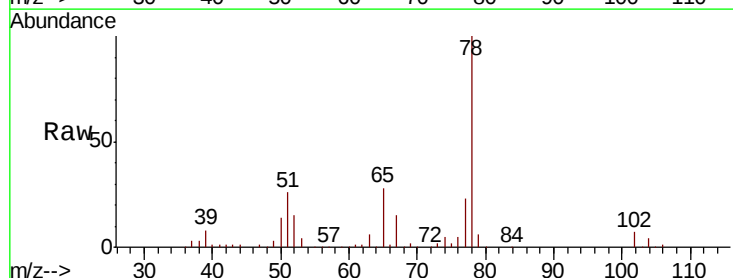


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

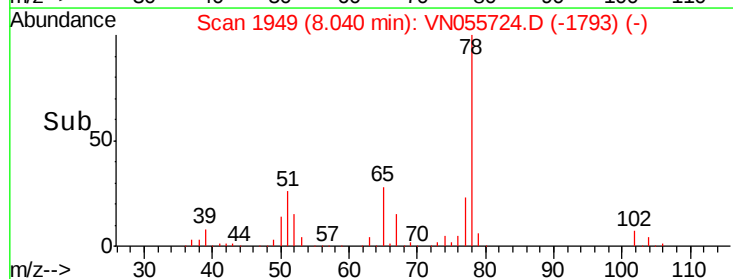
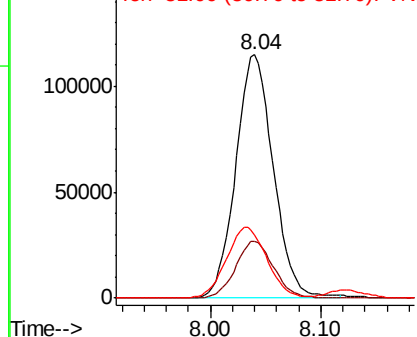


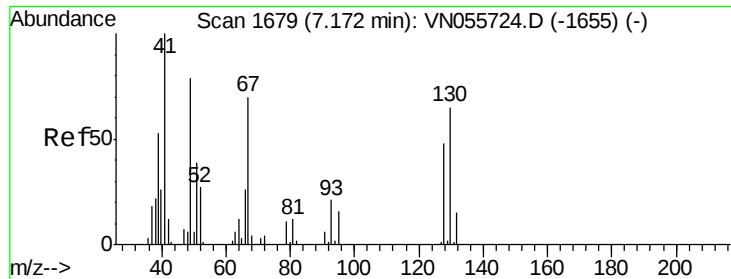
#34
Benzene
Concen: 18.723 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 78 Resp: 270872
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 25.8 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

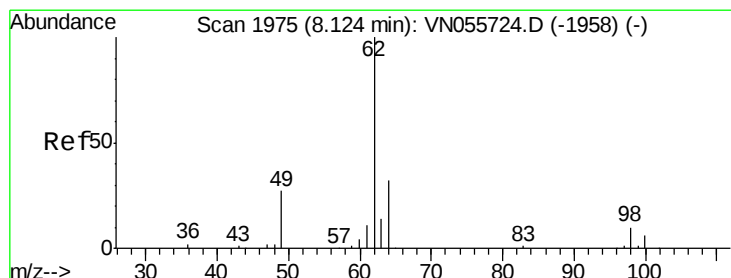
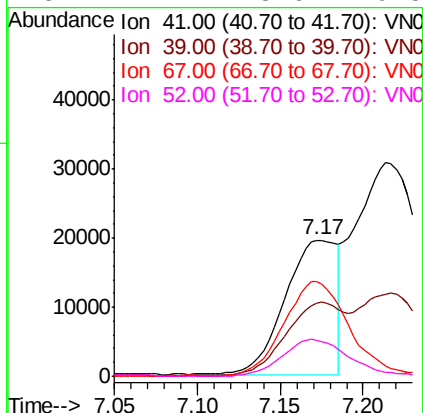
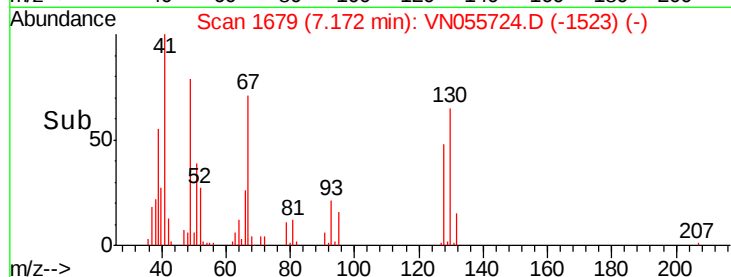
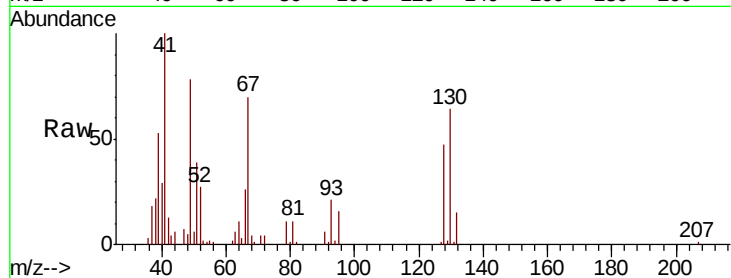




#35
Methacrylonitrile
Concen: 19.314 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

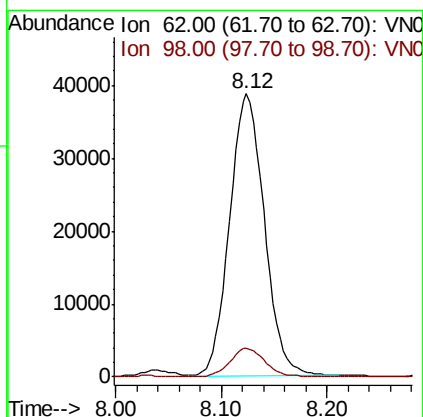
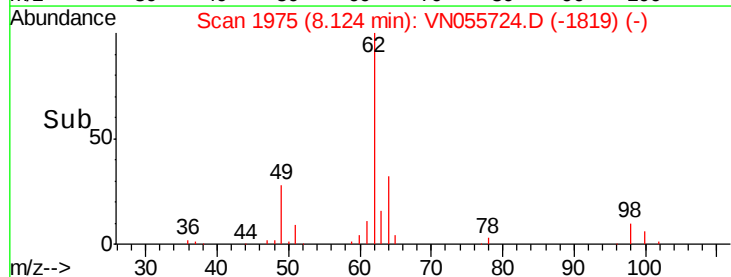
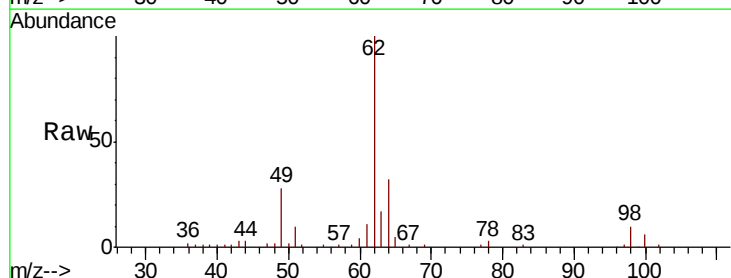
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

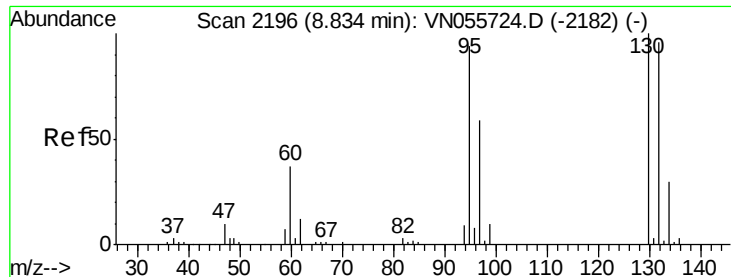
Tot Ion: 41 Resp: 42438
Ion Ratio Lower Upper
41 100
39 53.4 26.7 80.1
67 69.8 34.9 104.7
52 27.2 13.6 40.8



#36
1,2-Dichloroethane
Concen: 17.526 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 62 Resp: 88885
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2

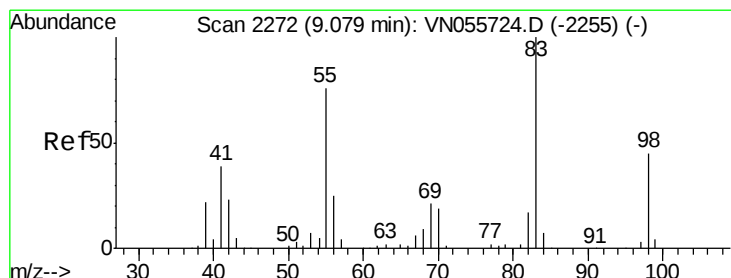
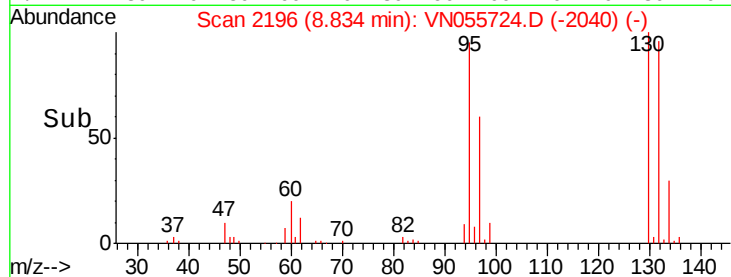
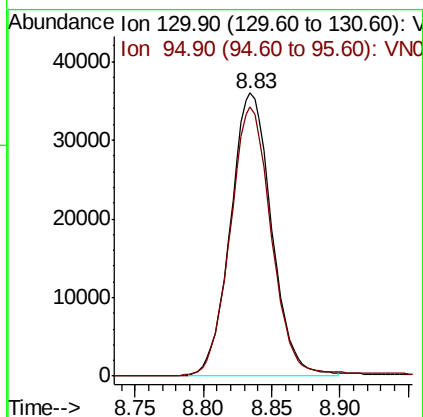
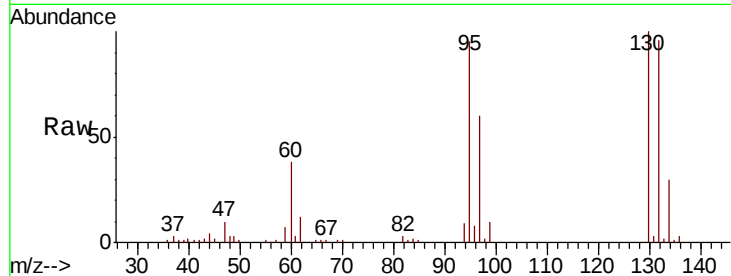




#37
 Trichloroethene
 Concen: 20.235 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

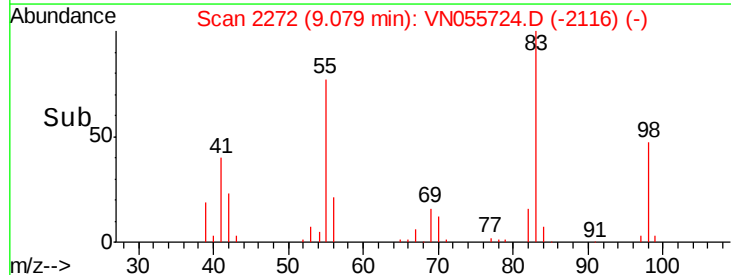
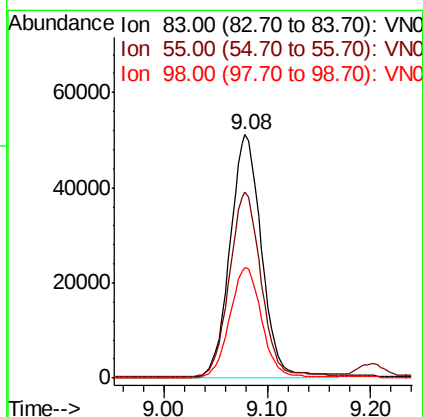
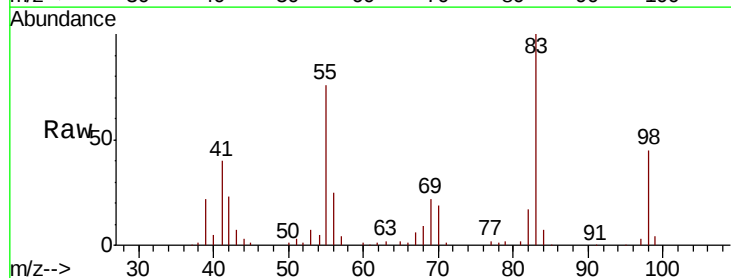
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

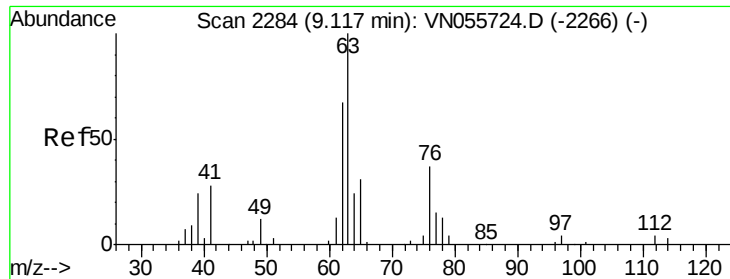
Tot Ion:130 Resp: 75389
 Ion Ratio Lower Upper
 130 100
 95 94.5 75.6 113.4



#38
 Methylcyclohexane
 Concen: 20.470 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 83 Resp: 108820
 Ion Ratio Lower Upper
 83 100
 55 75.6 37.8 113.4
 98 45.2 22.6 67.8

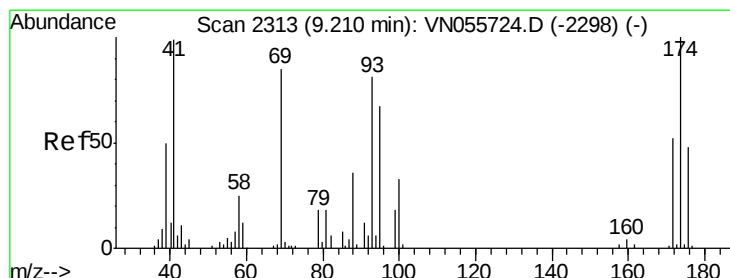
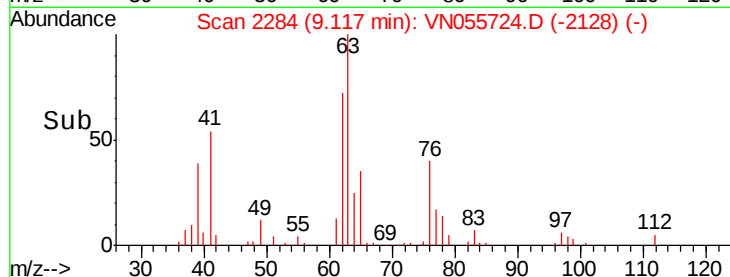
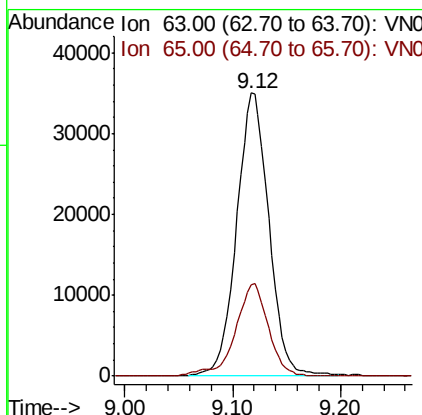
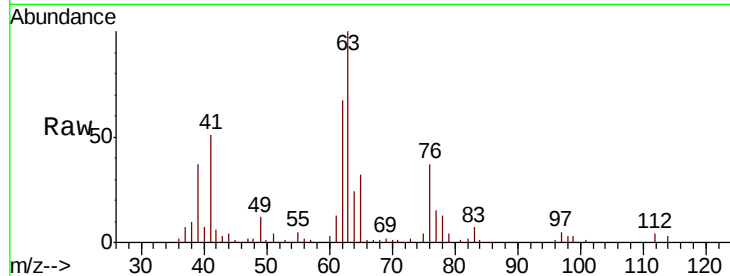




#39
 1,2-Dichloropropane
 Concen: 17.867 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

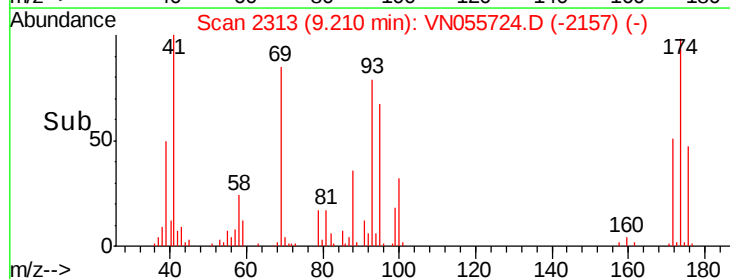
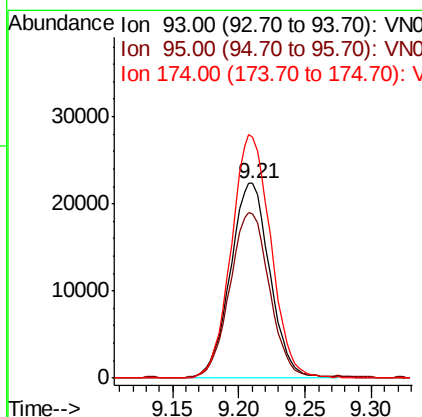
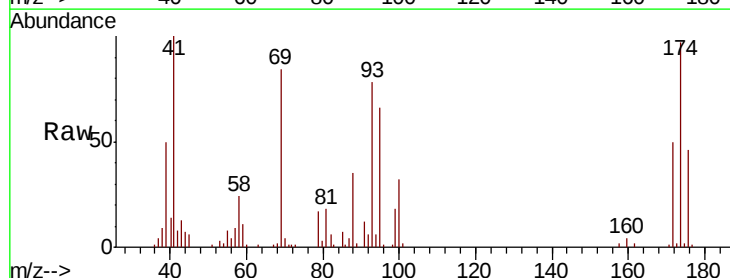
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

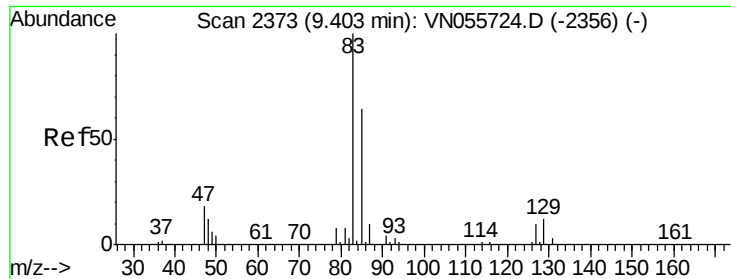
Tot Ion: 63 Resp: 72977
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.8 38.8



#40
 Dibromomethane
 Concen: 19.320 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 93 Resp: 46389
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 170.6
 174 124.2 0.0 248.4





#41

Bromodichloromethane

Concen: 19.461 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

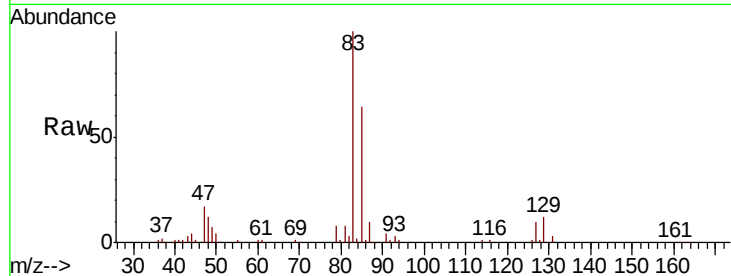
Tot Ion: 83 Resp: 96390

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

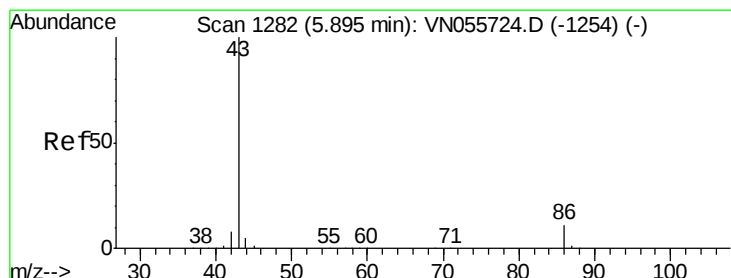
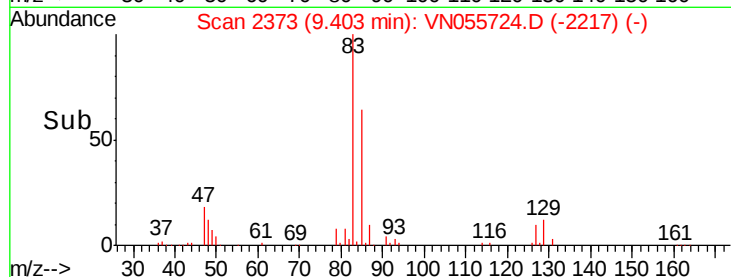
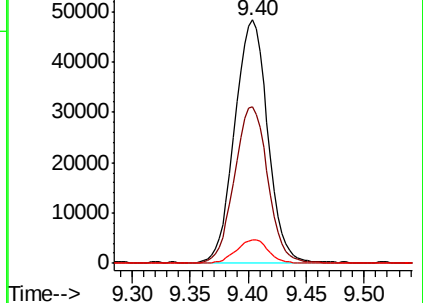
127 9.6 7.7 11.5



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: 96.730 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055724.D

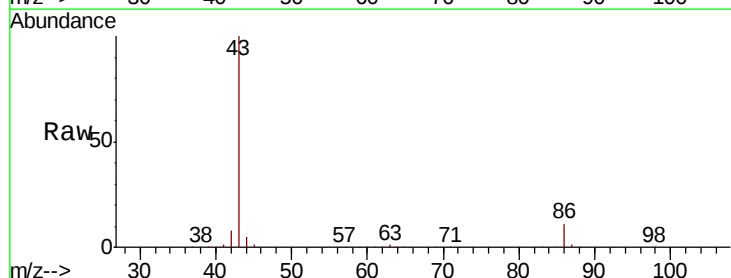
Acq: 22 May 2019 17:22

Tgt Ion: 43 Resp: 919026

Ion Ratio Lower Upper

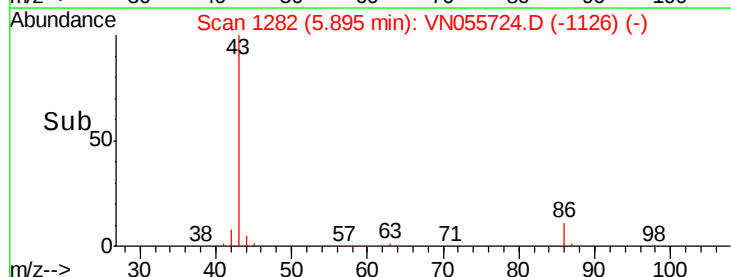
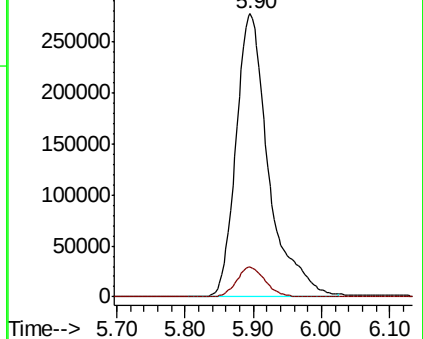
43 100

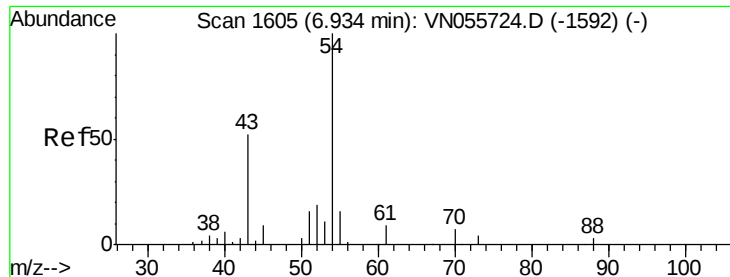
86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

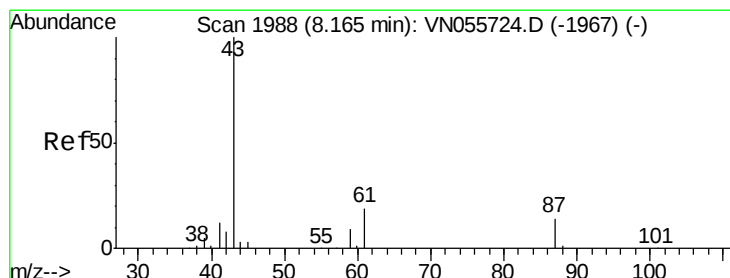
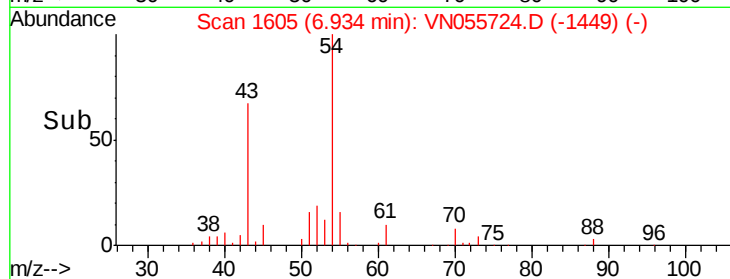
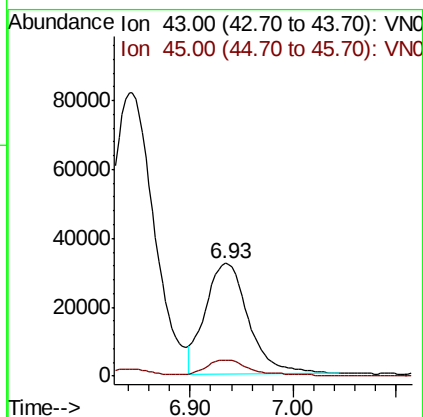
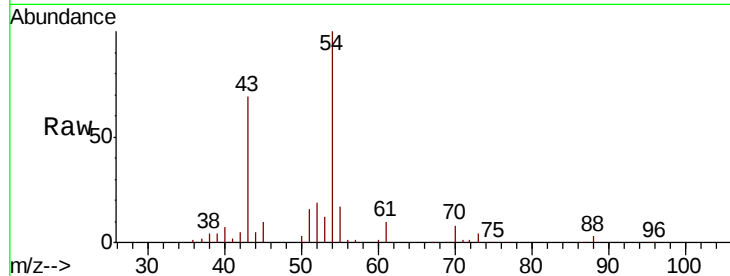




#43
Ethyl Acetate
Concen: 22.126 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

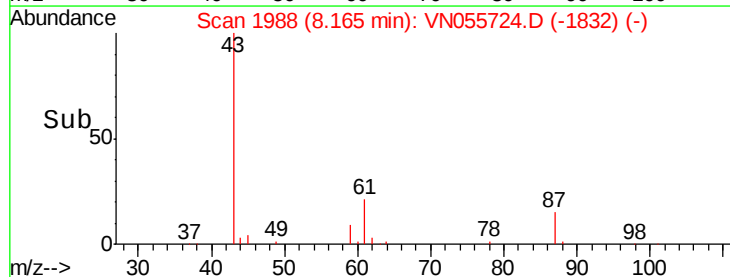
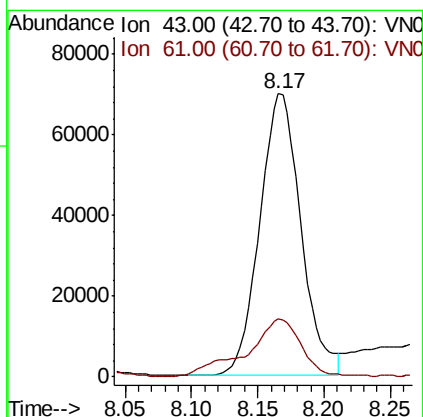
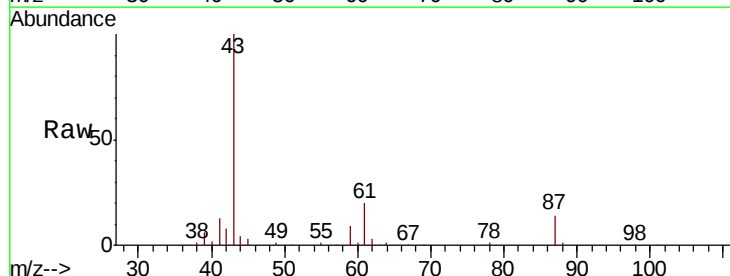
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

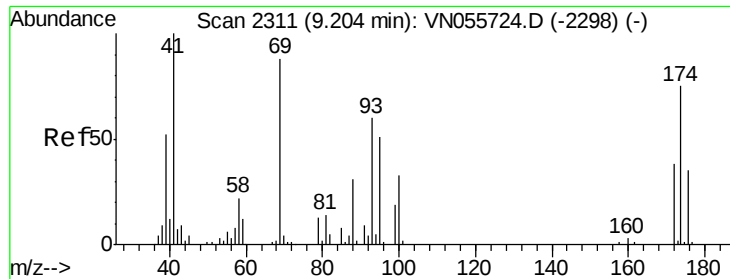
Tot Ion: 43 Resp: 93812
Ion Ratio Lower Upper
43 100
45 14.4 0.0 0.0#



#44
Isopropyl Acetate
Concen: 20.023 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 43 Resp: 151147
Ion Ratio Lower Upper
43 100
61 27.6 22.1 33.1





#45

1,4-Dioxane

Concen: 630.442 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

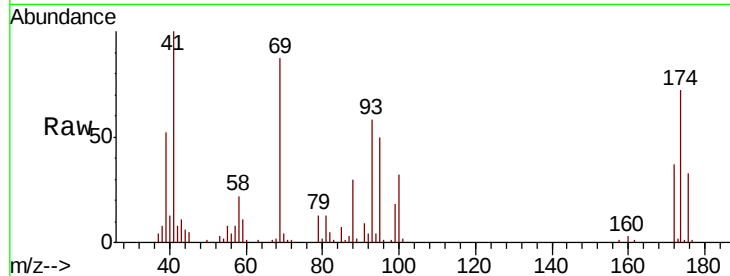
Tot Ion: 88 Resp: 28509

Ion Ratio Lower Upper

88 100

43 25.6 20.5 30.7

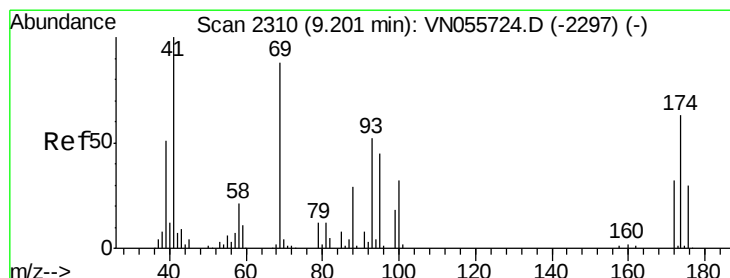
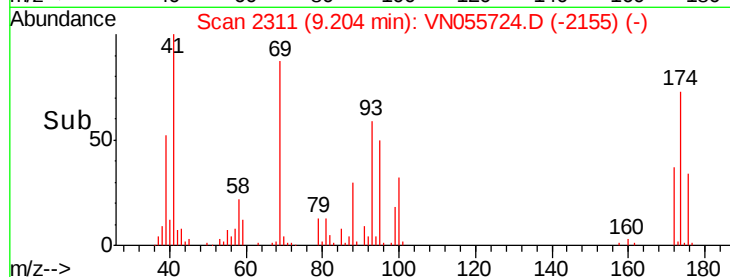
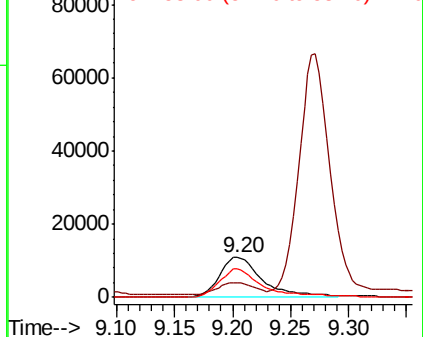
58 70.1 56.1 84.1



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: 19.979 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

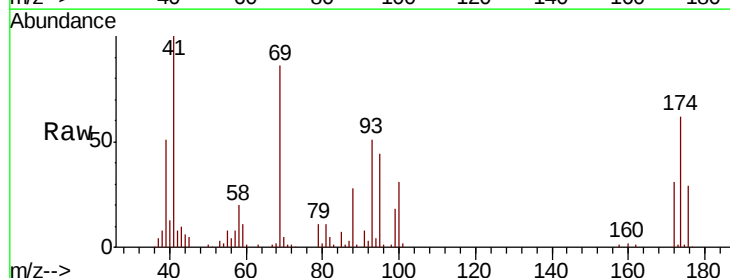
Tgt Ion: 41 Resp: 71184

Ion Ratio Lower Upper

41 100

69 87.6 43.8 131.4

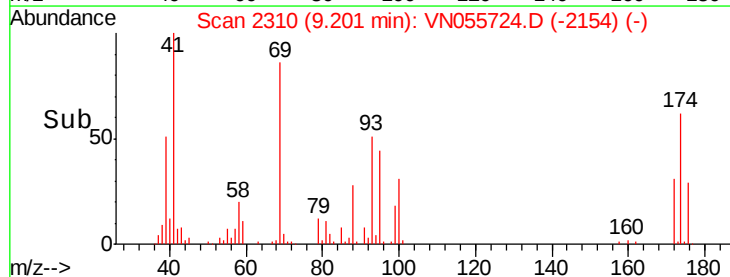
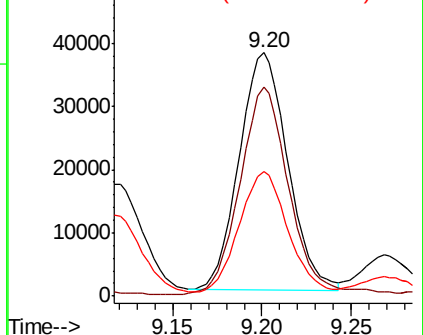
39 51.1 25.6 76.6

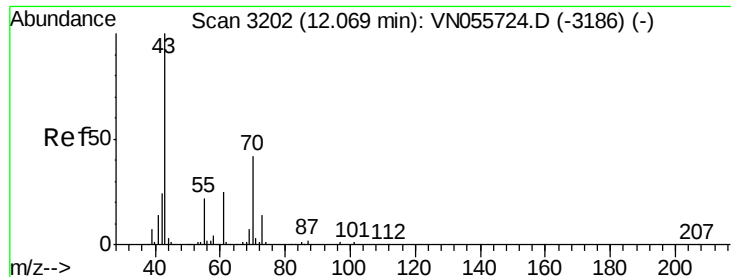


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 22.268 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

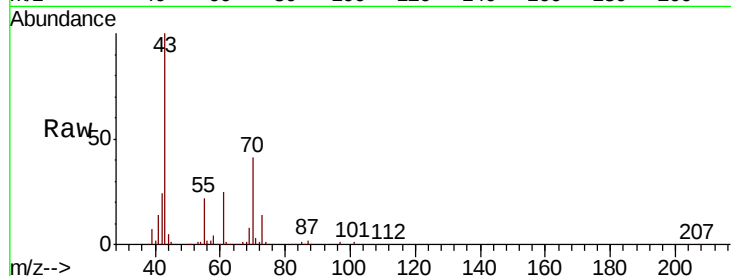
VSTDICCC020

Tot Ion: 43 Resp: 125822

Ion Ratio Lower Upper

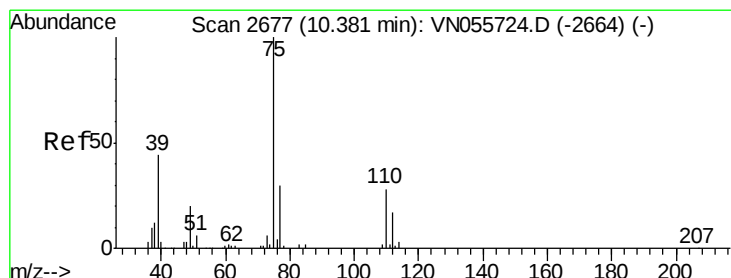
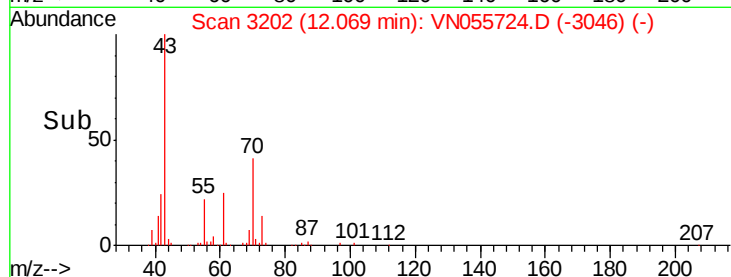
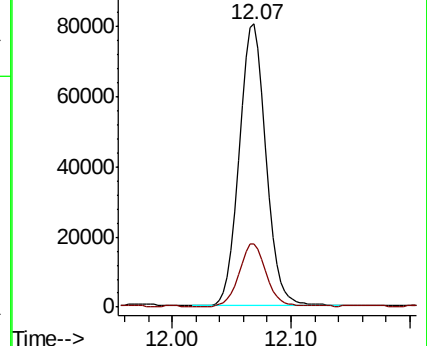
43 100

55 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.897 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055724.D

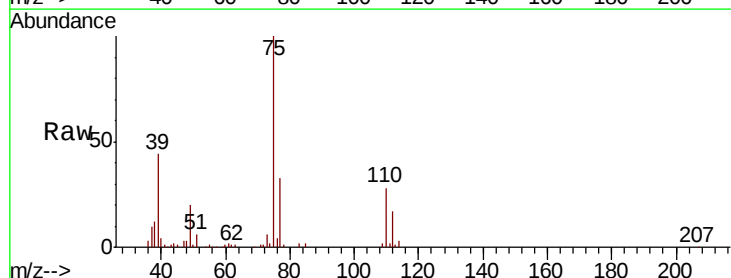
Acq: 22 May 2019 17:22

Tgt Ion: 75 Resp: 104571

Ion Ratio Lower Upper

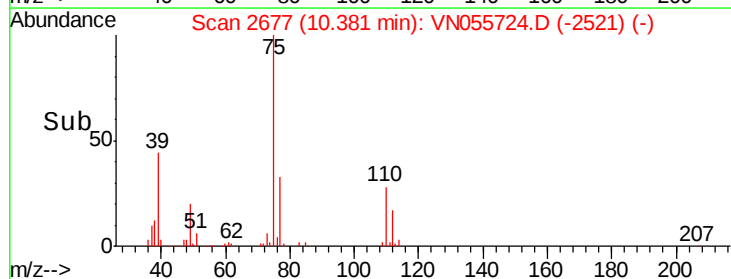
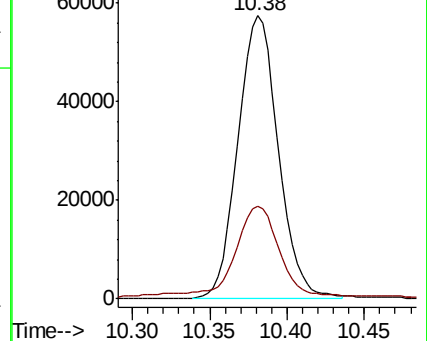
75 100

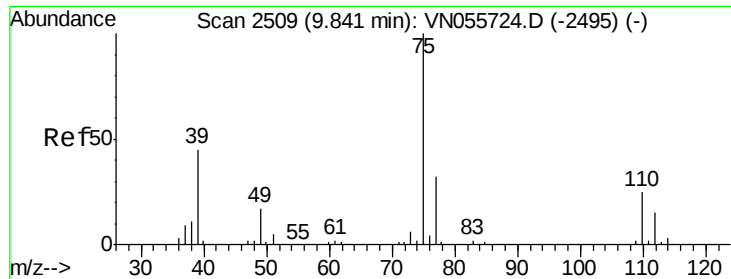
77 31.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



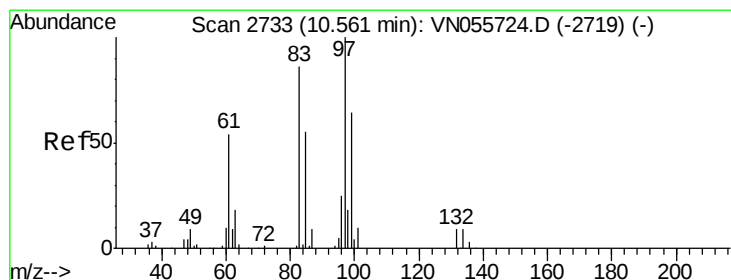
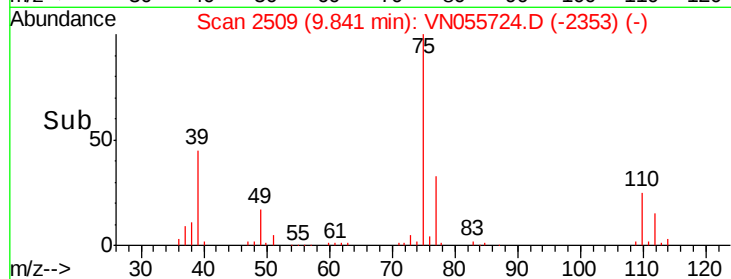
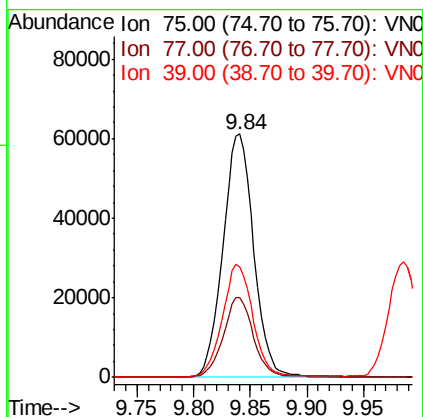
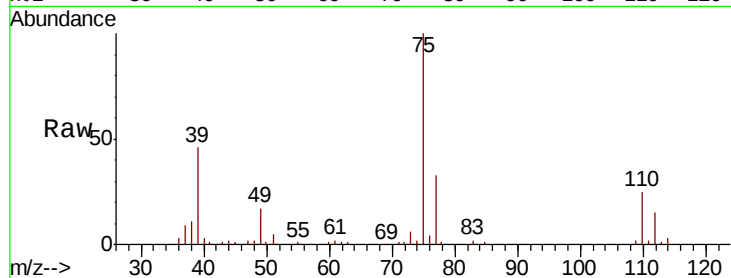


#49

cis-1,3-Dichloropropene
 Concen: 20.257 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

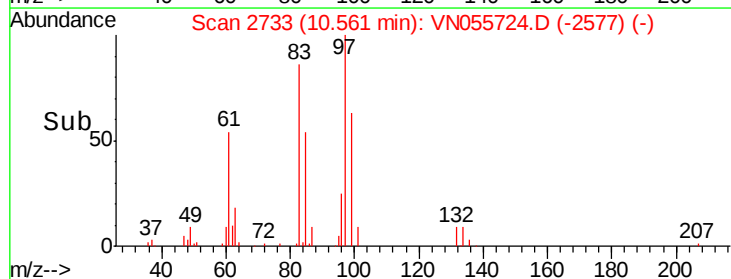
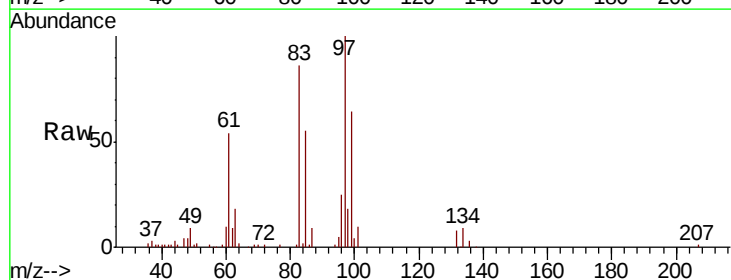
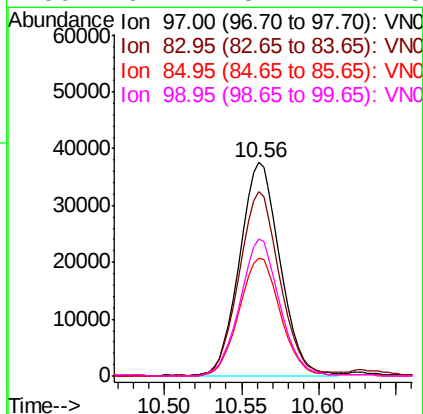
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0
39	45.3	36.2	54.4

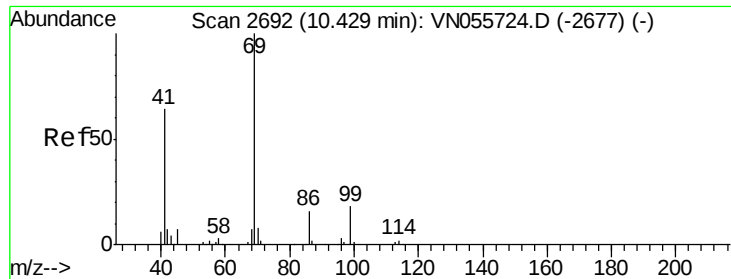


#50

1,1,2-Trichloroethane
 Concen: 20.580 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	55.4	44.3	66.5
99	64.2	51.4	77.0





#51

Ethyl methacrylate

Concen: 23.024 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

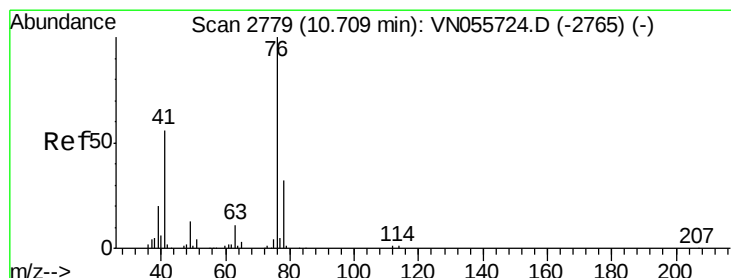
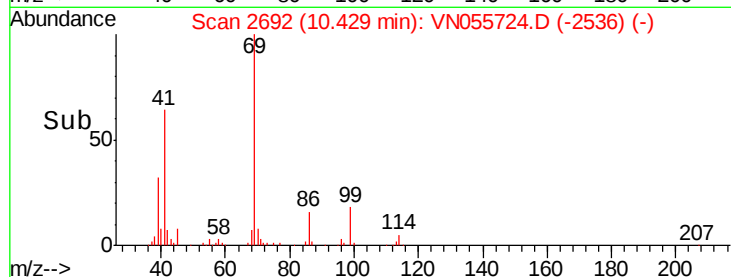
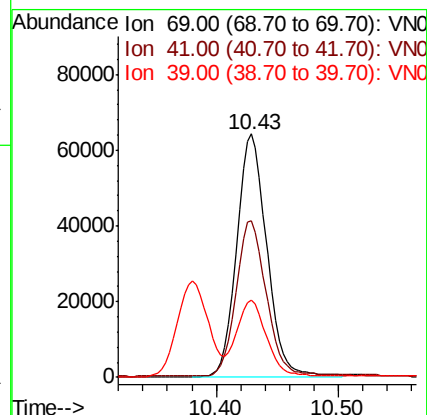
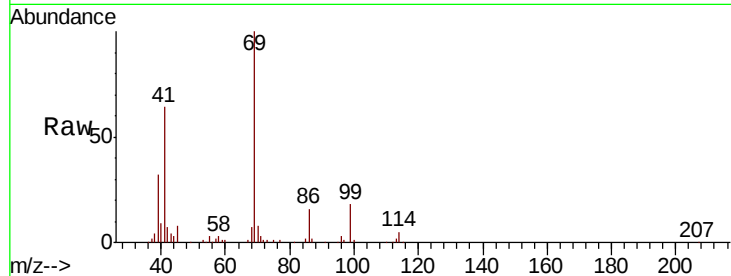
Tot Ion: 69 Resp: 109826

Ion Ratio Lower Upper

69 100

41 63.8 31.9 95.7

39 31.3 15.7 47.0



#52

1,3-Dichloropropane

Concen: 19.473 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055724.D

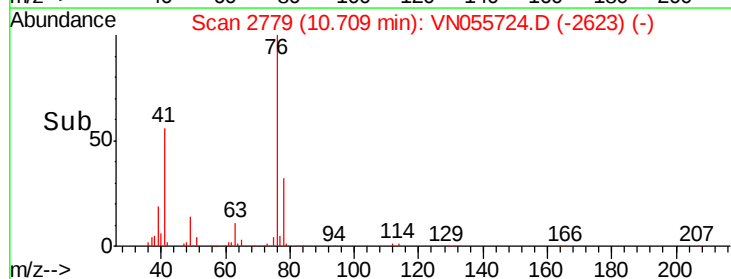
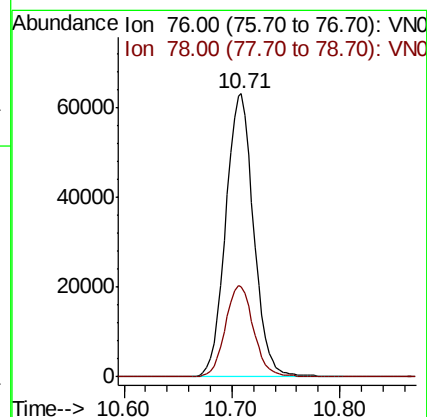
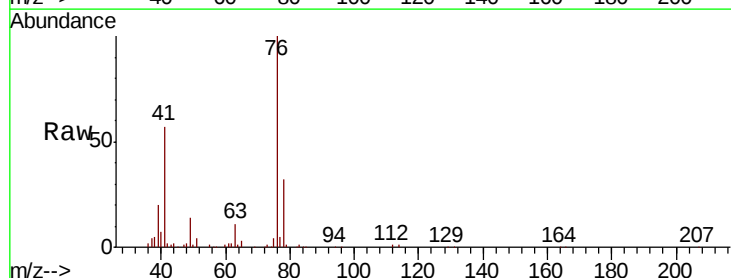
Acq: 22 May 2019 17:22

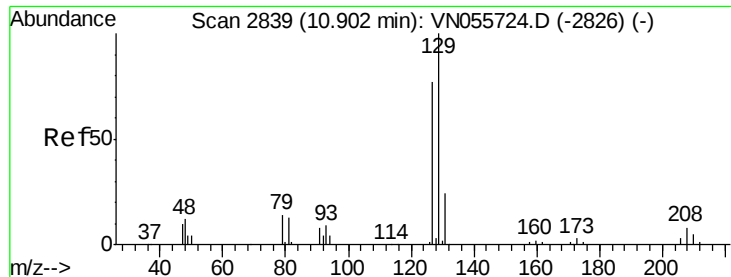
Tgt Ion: 76 Resp: 113928

Ion Ratio Lower Upper

76 100

78 32.5 0.0 65.0





#53

Dibromochloromethane

Concen: 22.273 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

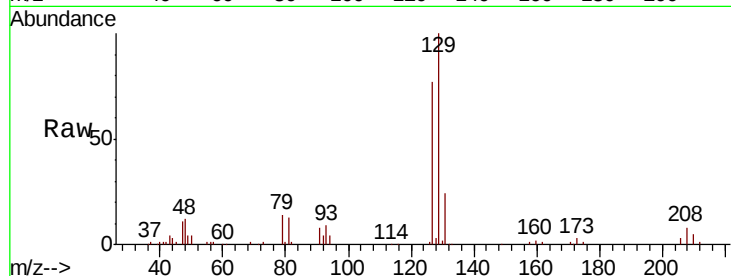
VSTDICCC020

Tot Ion:129 Resp: 79410

Ion Ratio Lower Upper

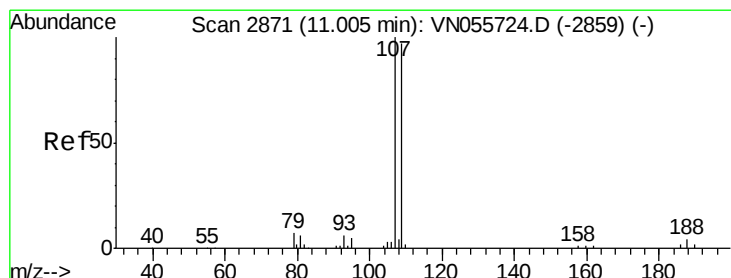
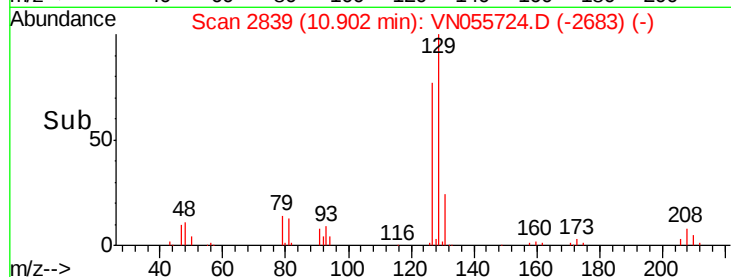
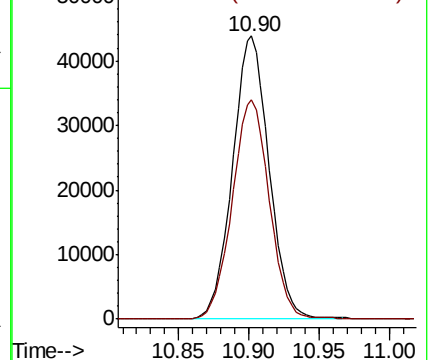
129 100

127 78.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.337 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055724.D

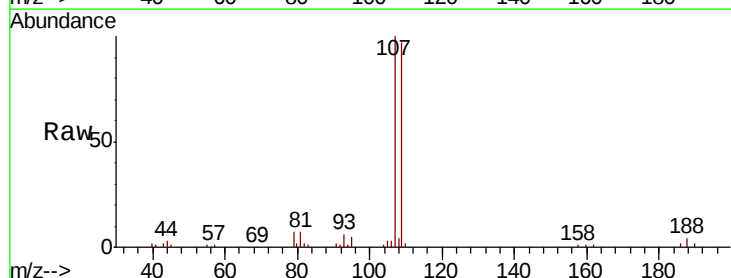
Acq: 22 May 2019 17:22

Tgt Ion:107 Resp: 70399

Ion Ratio Lower Upper

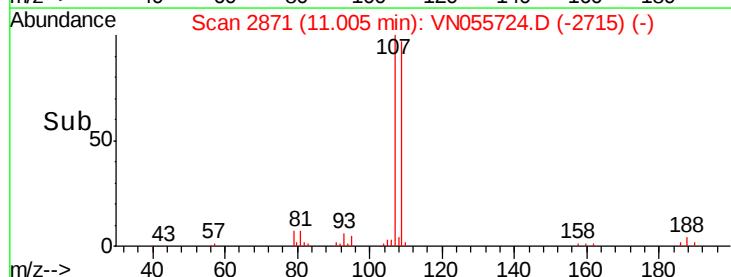
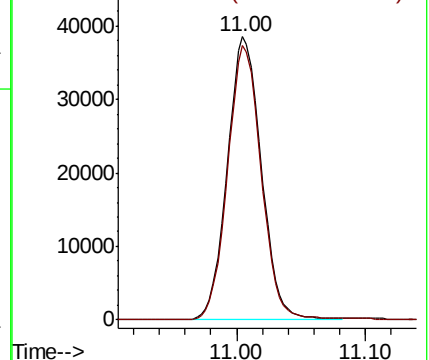
107 100

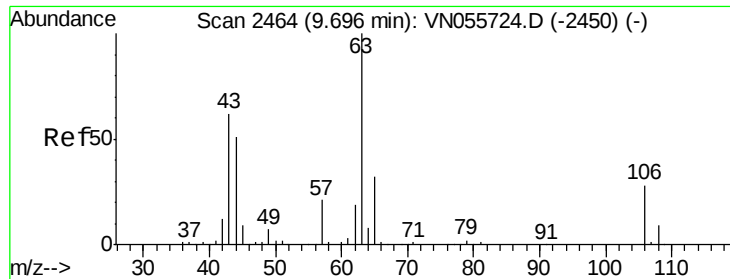
109 95.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

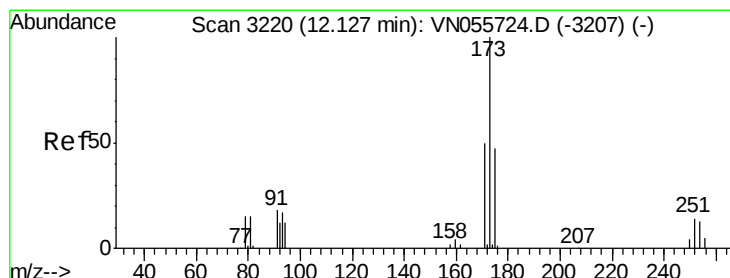
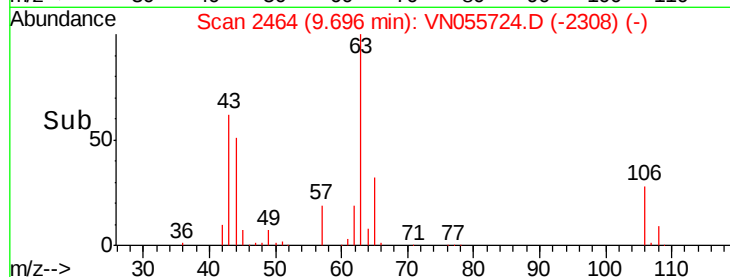
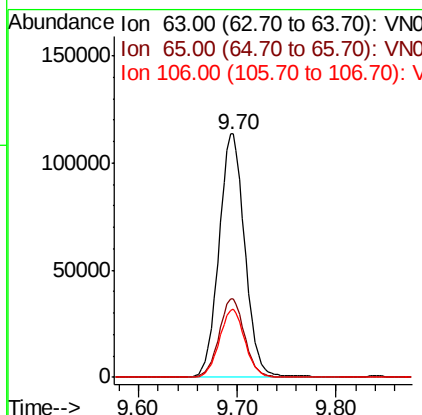
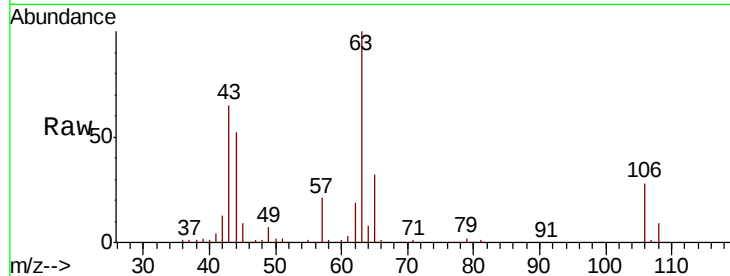




#55
2-Chloroethyl vinyl ether
Concen: 136.702 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

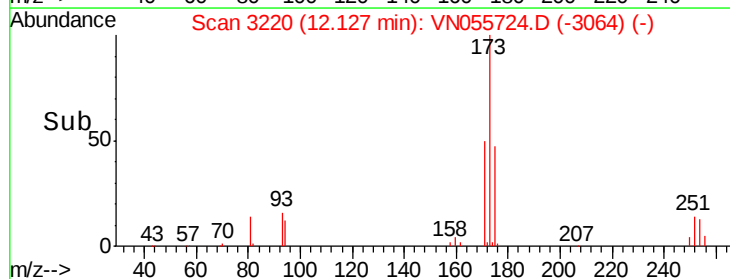
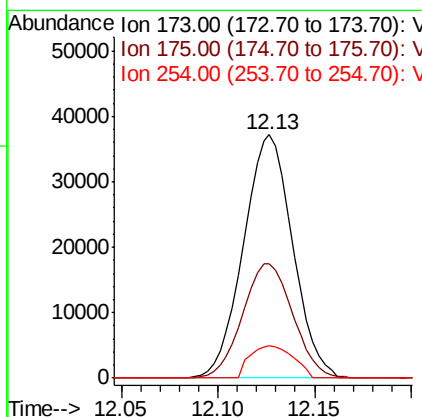
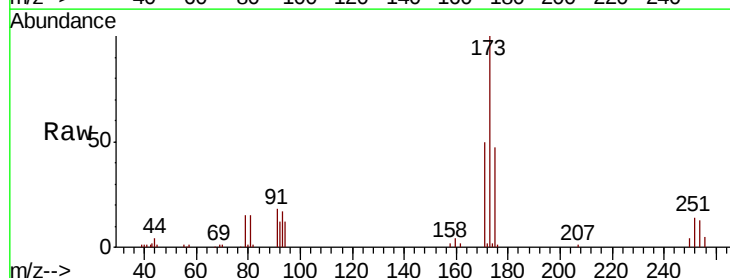
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

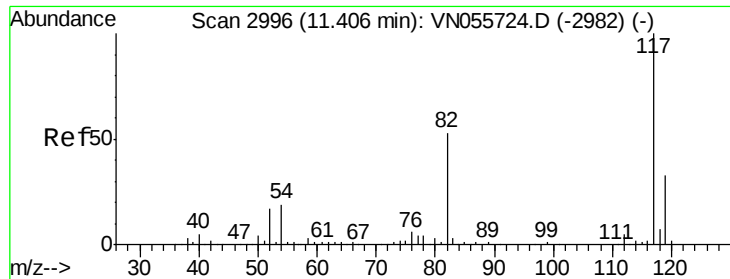
Tot Ion: 63 Resp: 209154
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 27.6 22.1 33.1



#56
Bromoform
Concen: 26.606 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 173 Resp: 65857
Ion Ratio Lower Upper
173 100
175 48.1 38.5 57.7
254 11.7 9.4 14.0

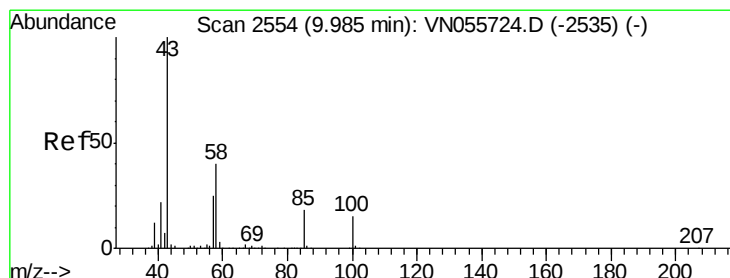
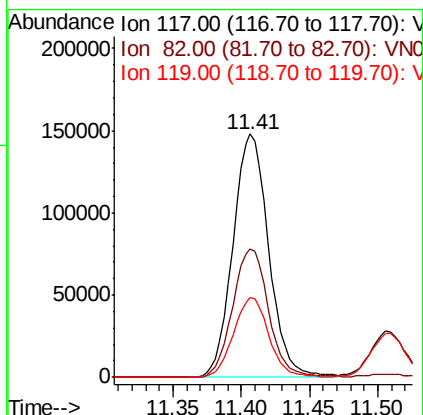
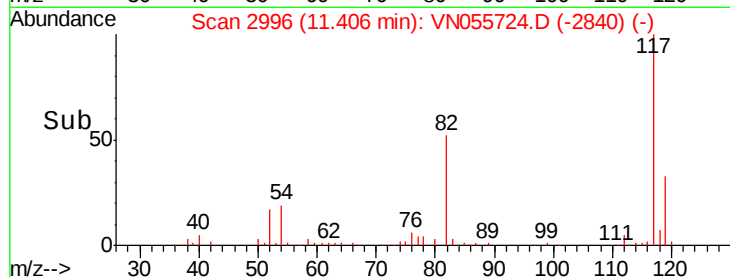
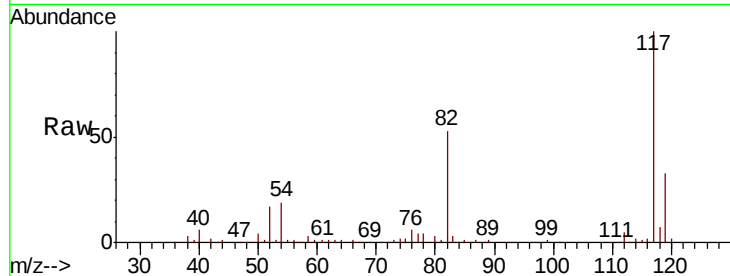




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

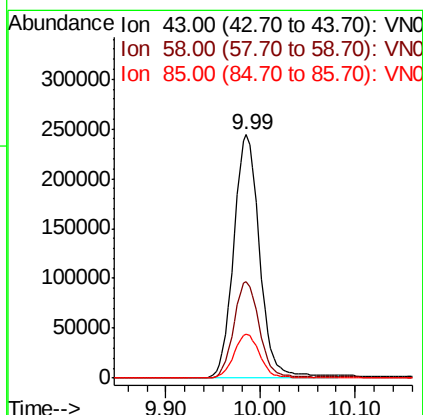
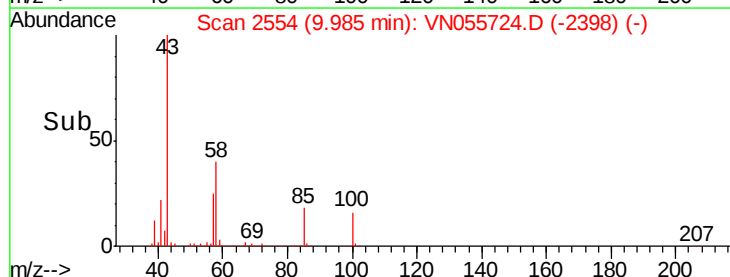
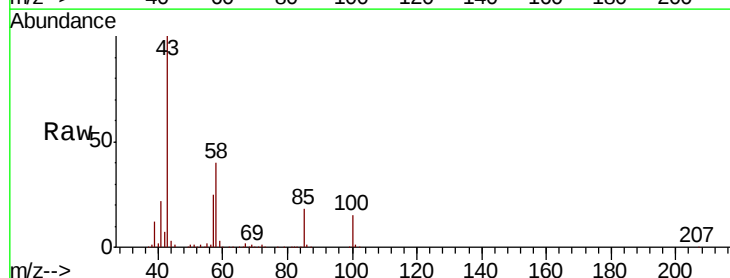
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

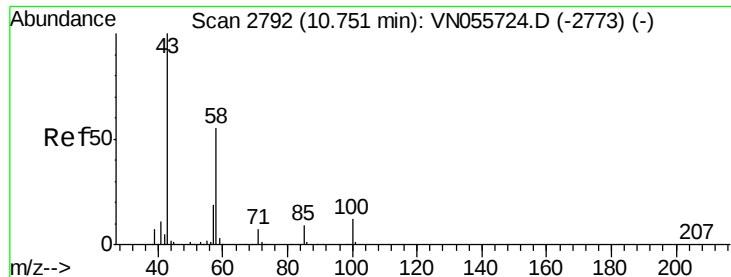
Tot Ion:117 Resp: 269720
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.4 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 107.880 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 43 Resp: 461690
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5
85 18.1 14.5 21.7

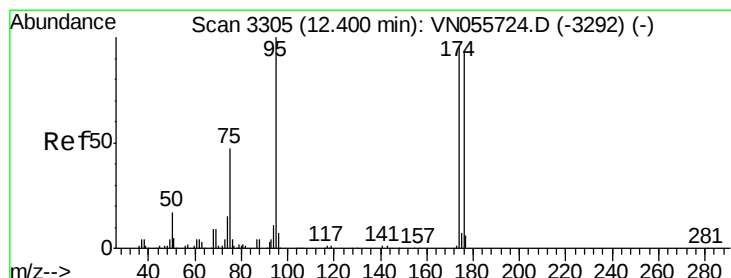
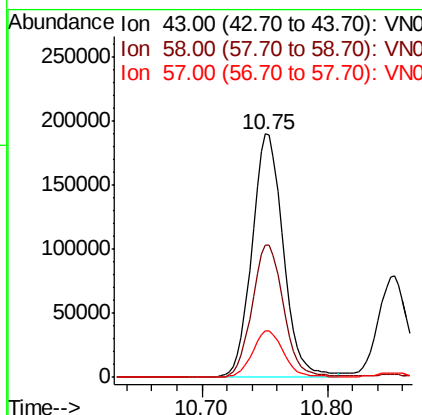
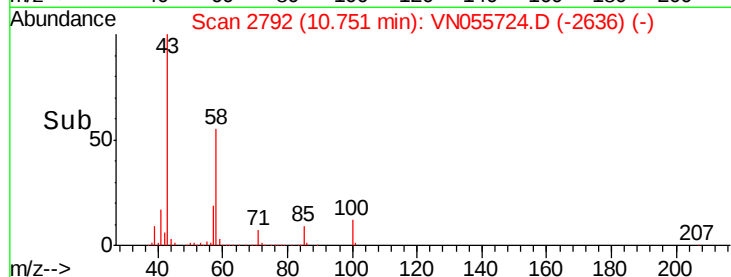
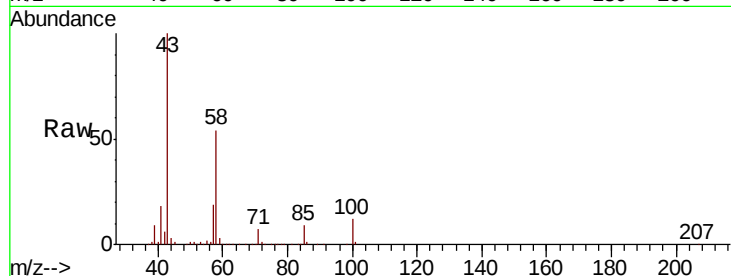




#59
2-Hexanone
Concen: 116.566 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

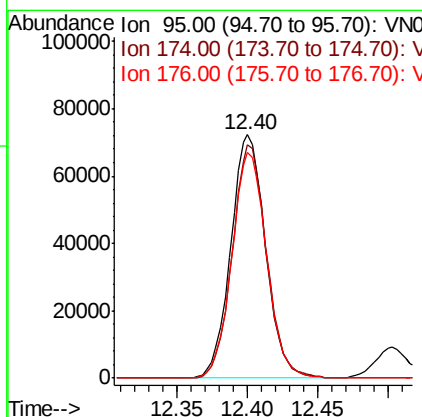
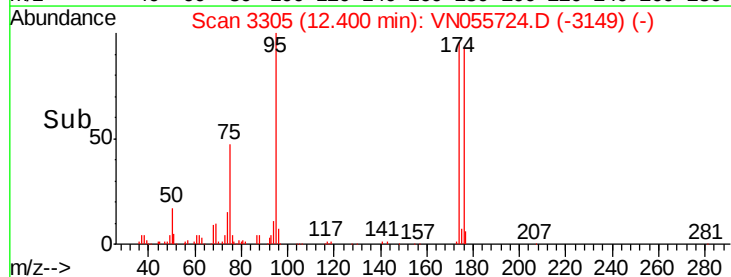
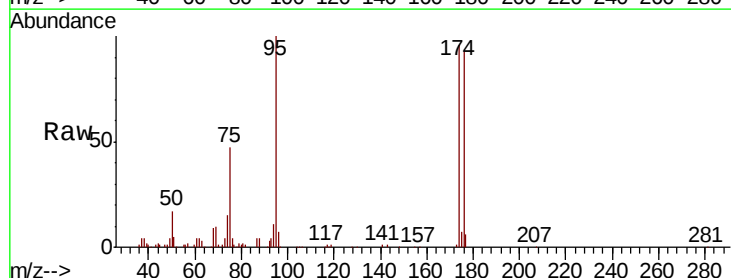
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

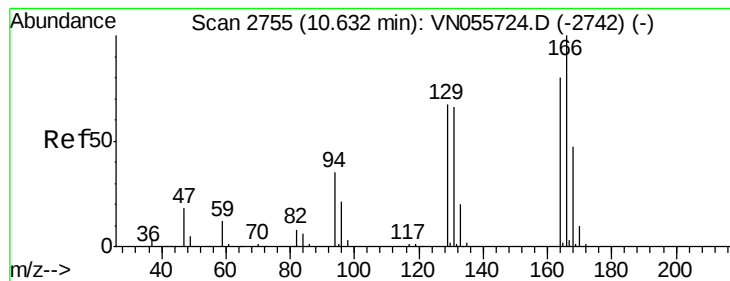
Tot Ion: 43 Resp: 326778
Ion Ratio Lower Upper
43 100
58 56.0 44.8 67.2
57 19.1 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 29.880 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 95 Resp: 124488
Ion Ratio Lower Upper
95 100
174 94.6 75.7 113.5
176 92.6 74.1 111.1





#61

Tetrachloroethene

Concen: 21.662 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 76216

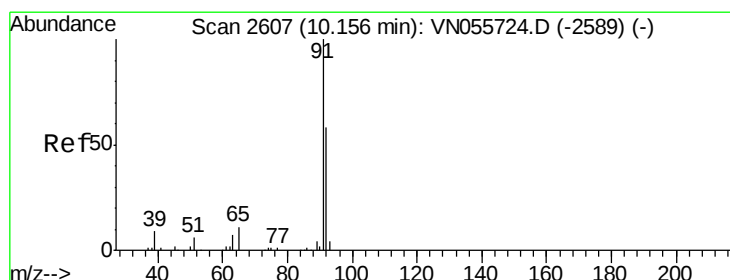
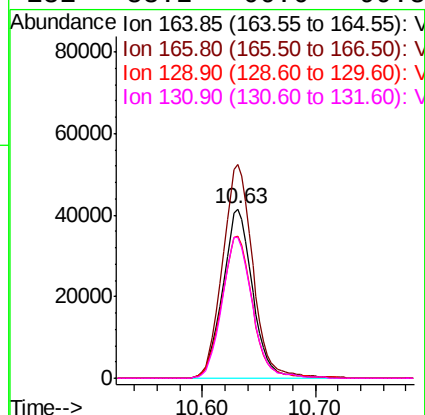
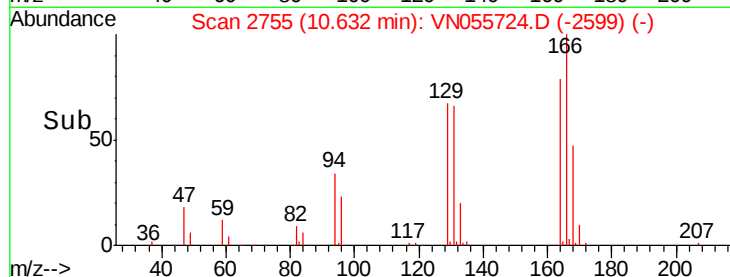
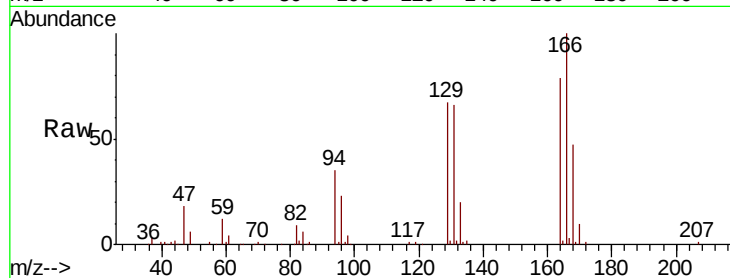
Ion Ratio Lower Upper

164 100

166 125.7 100.6 150.8

129 84.3 67.4 101.2

131 83.2 66.6 99.8



#62

Toluene

Concen: 19.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055724.D

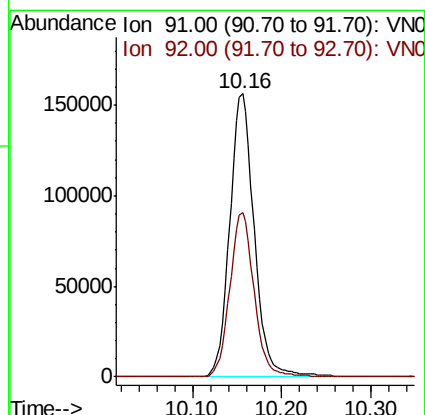
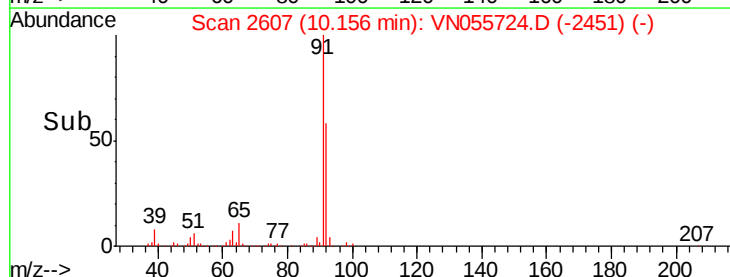
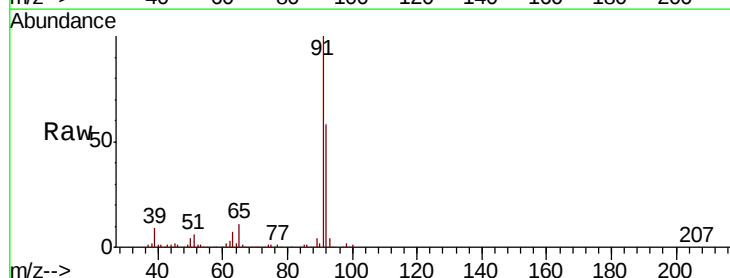
Acq: 22 May 2019 17:22

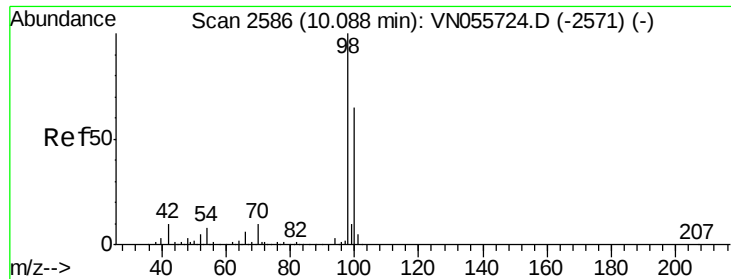
Tgt Ion: 91 Resp: 297183

Ion Ratio Lower Upper

91 100

92 57.0 45.6 68.4





#63

Toluene-d8

Concen: 29.553 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

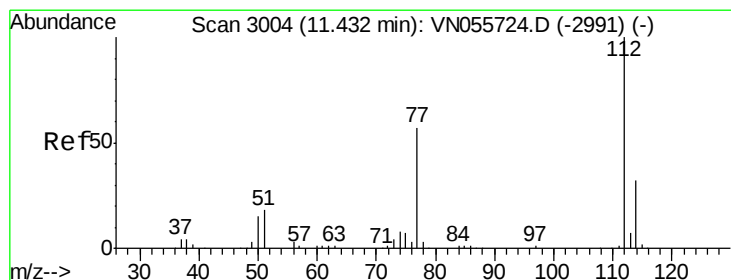
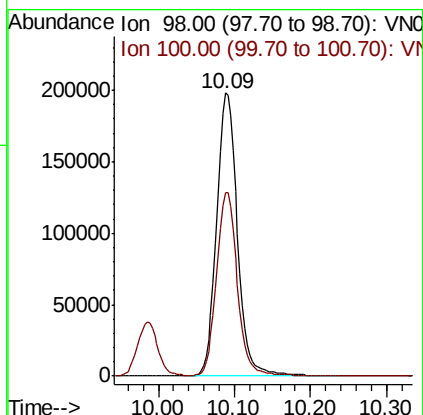
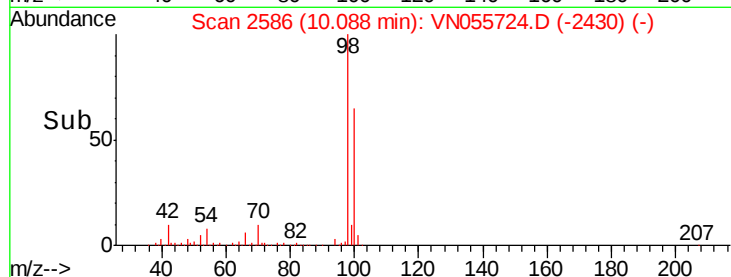
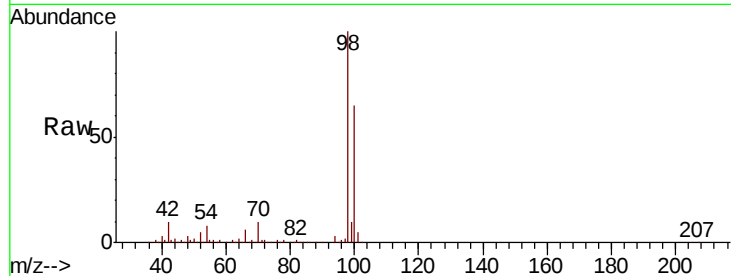
VSTDICCC020

Tot Ion: 98 Resp: 376273

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#64

Chlorobenzene

Concen: 19.828 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055724.D

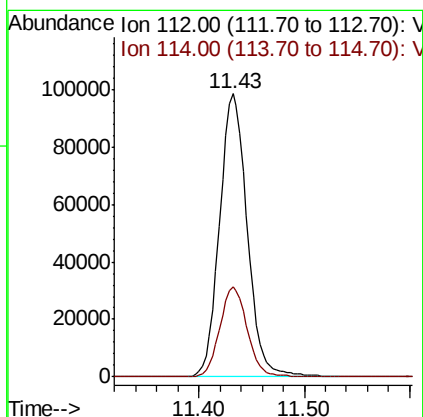
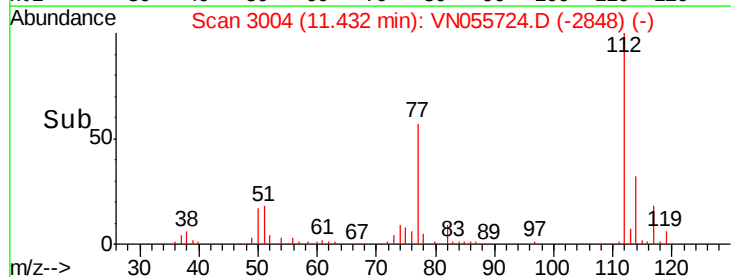
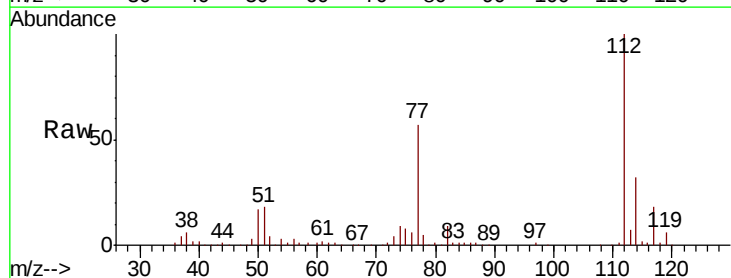
Acq: 22 May 2019 17:22

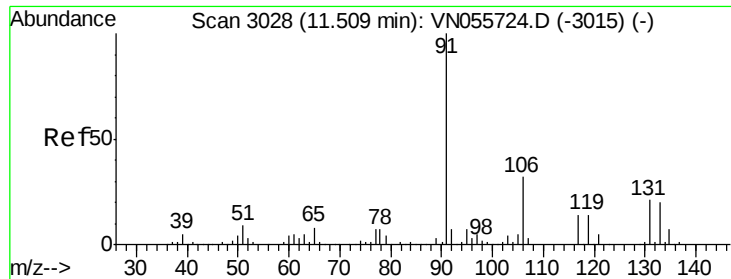
Tgt Ion: 112 Resp: 178805

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

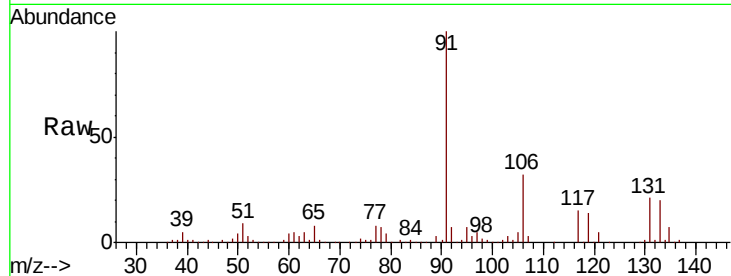
Tot Ion:131 Resp: 72401

Ion Ratio Lower Upper

131 100

133 94.4 0.0 188.8

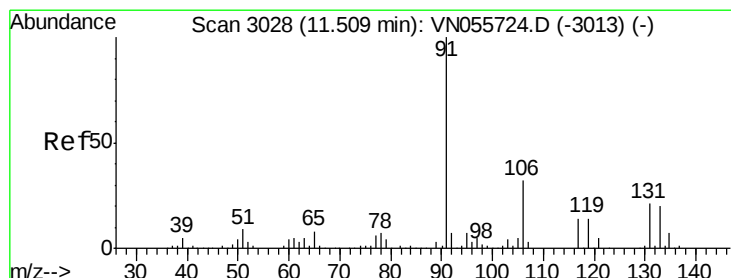
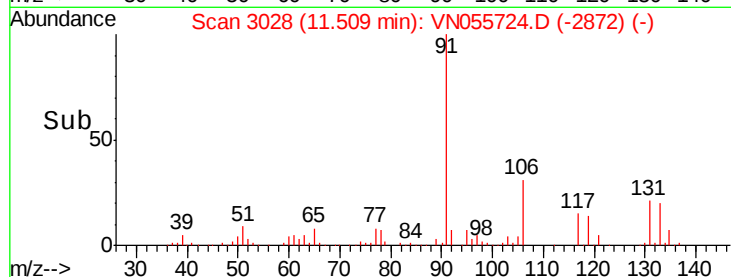
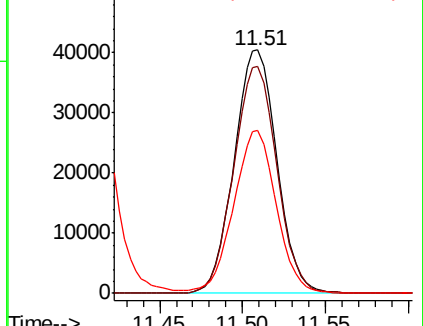
119 66.8 0.0 133.6



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: 19.918 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055724.D

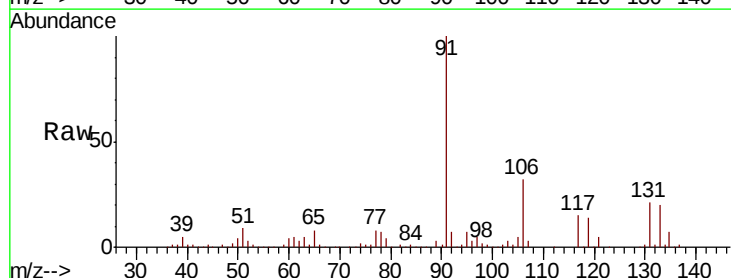
Acq: 22 May 2019 17:22

Tgt Ion: 91 Resp: 323583

Ion Ratio Lower Upper

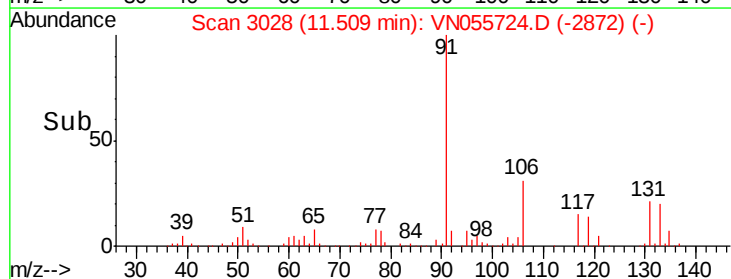
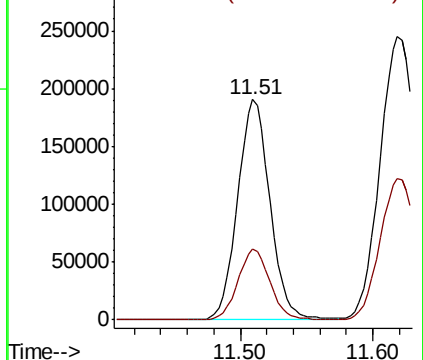
91 100

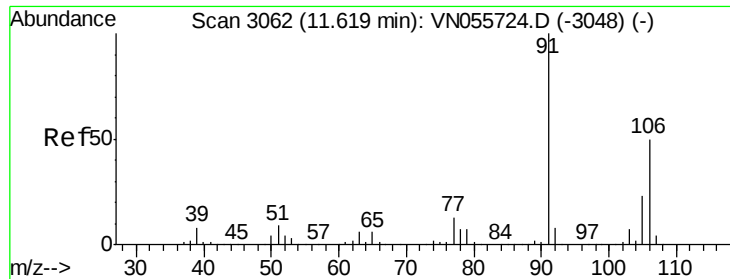
106 32.0 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

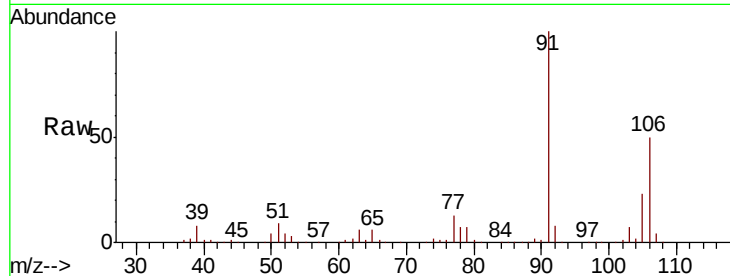




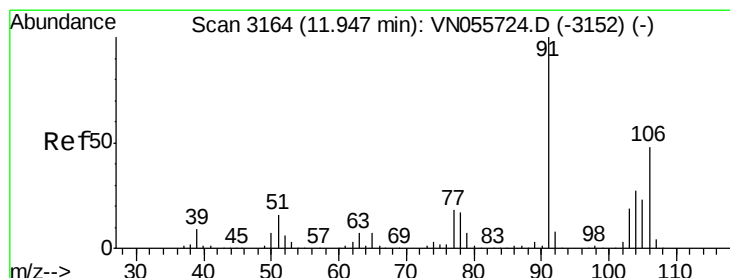
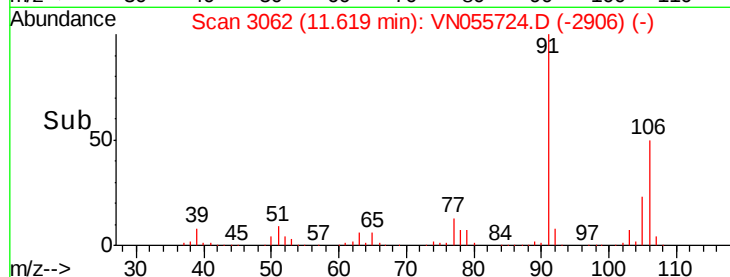
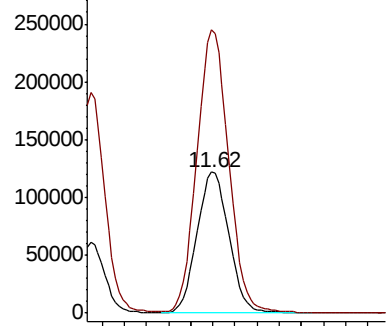
#67
m/p-Xylenes
Concen: 41.292 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 246356
Ion Ratio Lower Upper
106 100
91 199.4 159.5 239.3

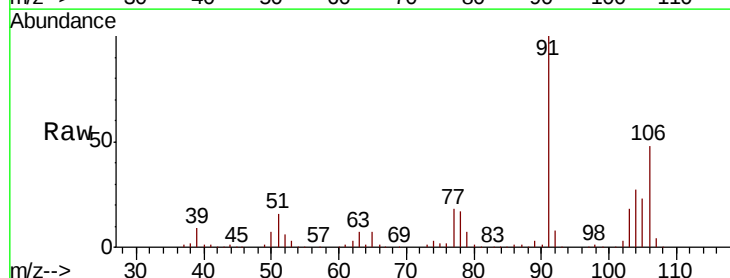


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

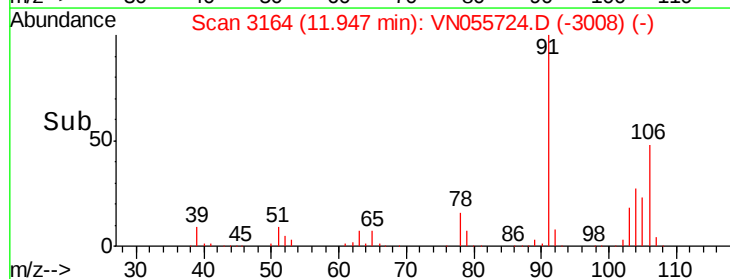
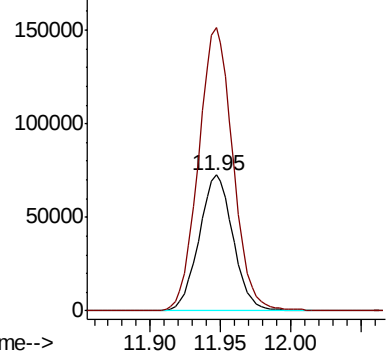


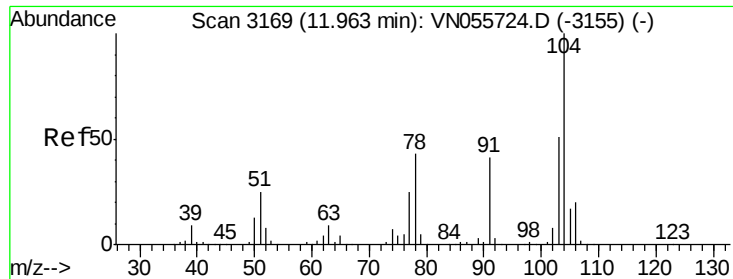
#68
o-Xylene
Concen: 20.681 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion:106 Resp: 122596
Ion Ratio Lower Upper
106 100
91 210.7 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

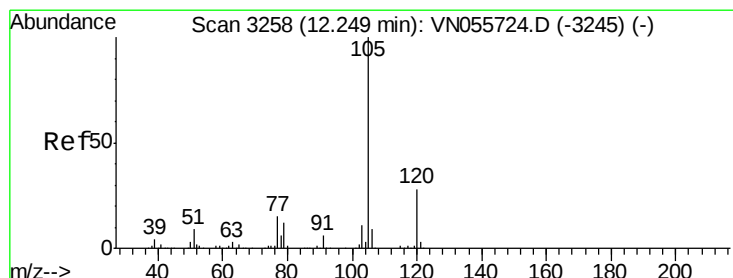
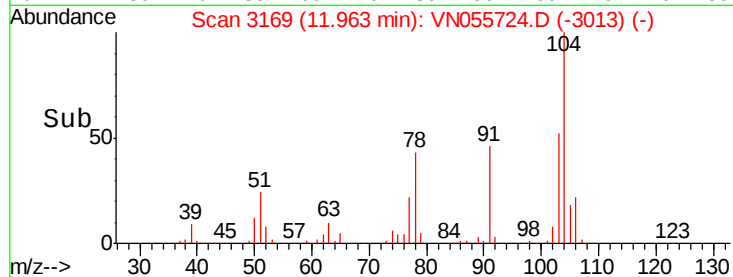
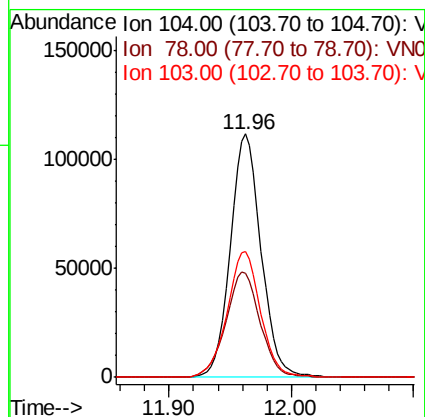
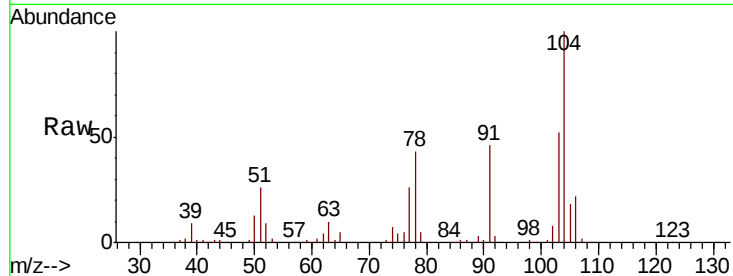




#69
Stvrene
Concen: 21.000 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

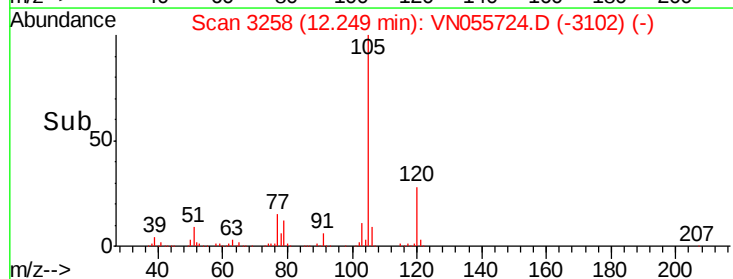
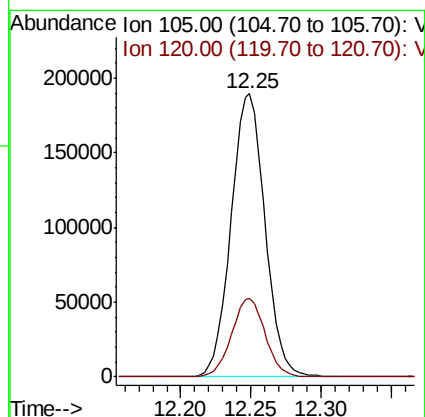
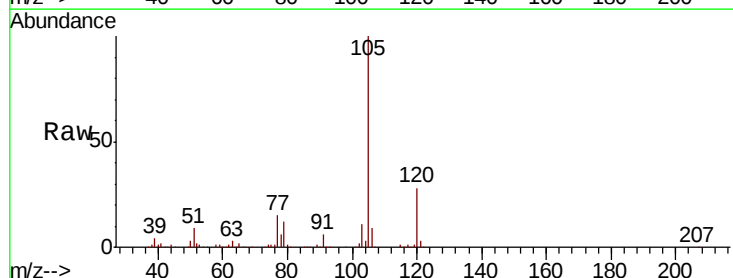
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

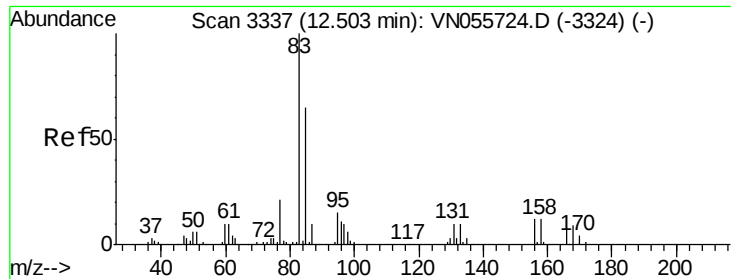
Tot Ion:104 Resp: 196535
Ion Ratio Lower Upper
104 100
78 48.4 38.7 58.1
103 56.3 45.0 67.6



#70
Isopropylbenzene
Concen: 20.449 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion:105 Resp: 319003
Ion Ratio Lower Upper
105 100
120 27.4 19.2 35.6

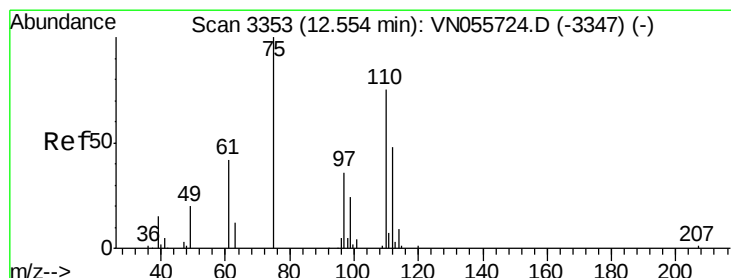
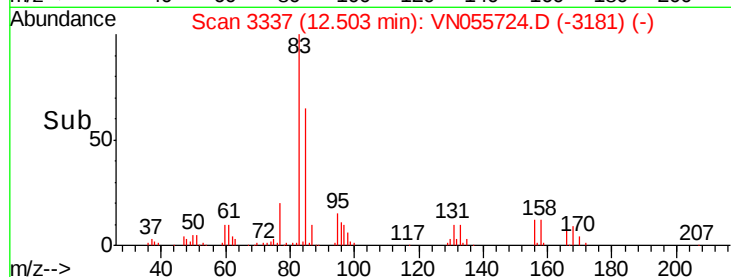
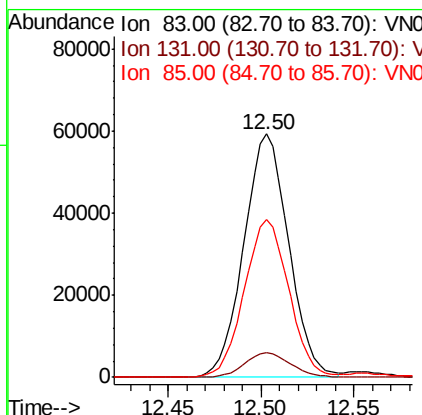
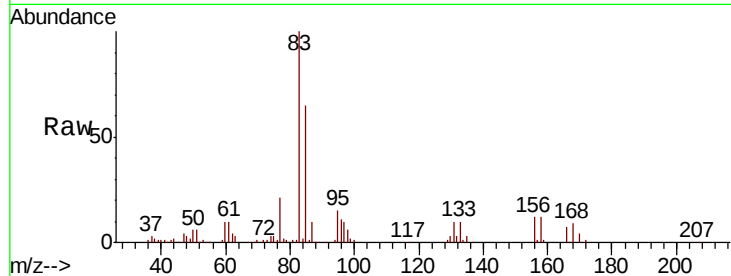




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.434 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

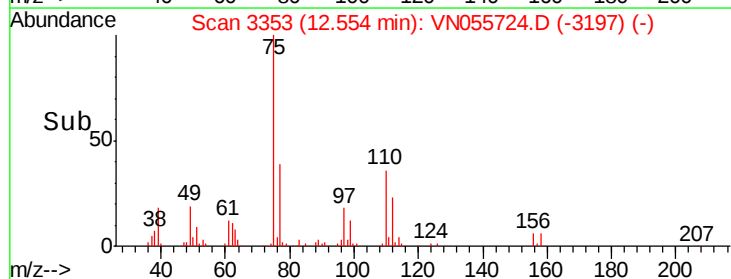
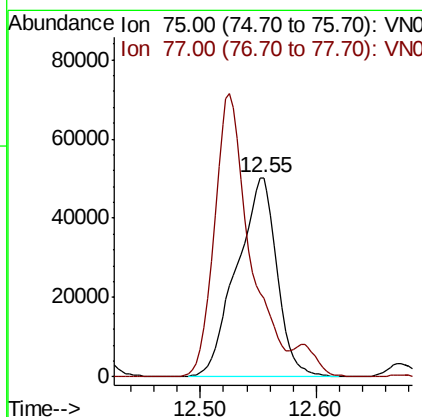
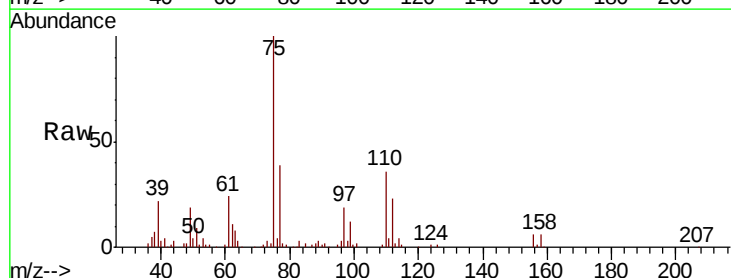
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

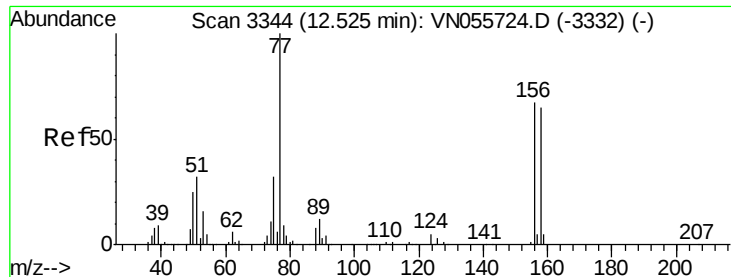
Tot Ion	83	Resp	99416
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.6	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 31.582 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion	75	Resp	122286
Ion Ratio	Lower	Upper	
75	100		
77	124.7	0.0	349.8





#73

Bromobenzene

Concen: 21.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

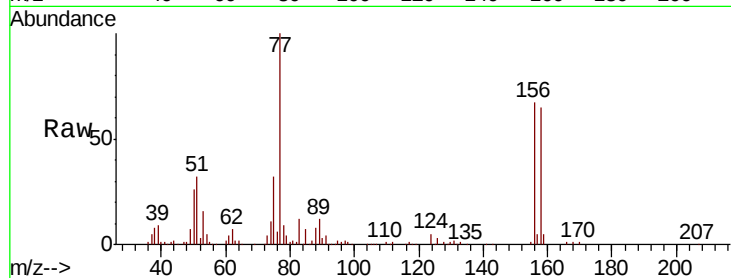
Tot Ion:156 Resp: 82871

Ion Ratio Lower Upper

156 100

77 184.0 0.0 368.0

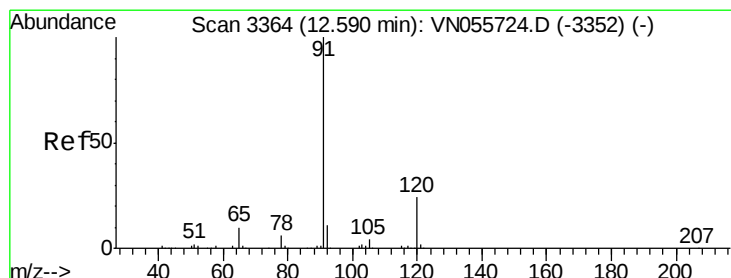
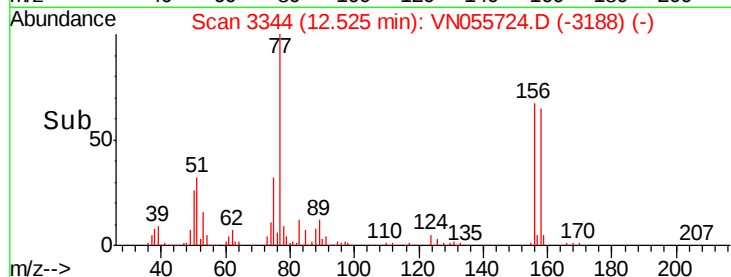
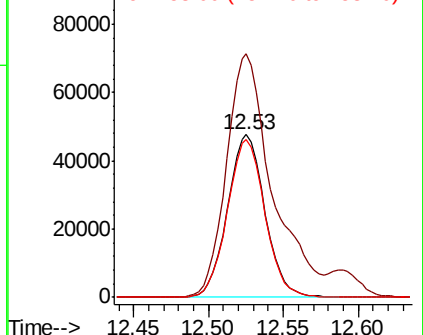
158 97.5 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.554 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055724.D

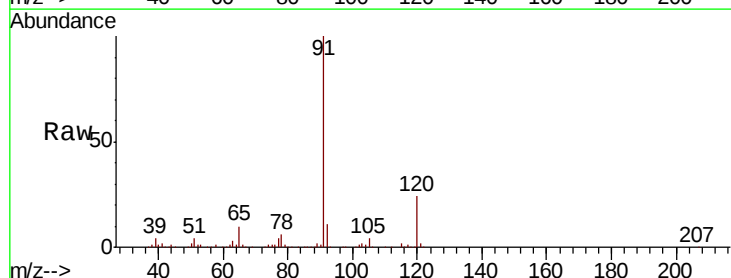
Acq: 22 May 2019 17:22

Tgt Ion: 91 Resp: 338316

Ion Ratio Lower Upper

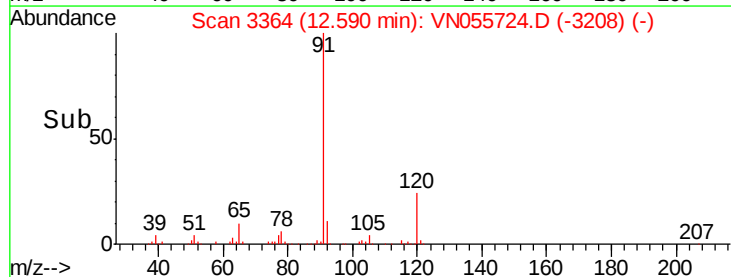
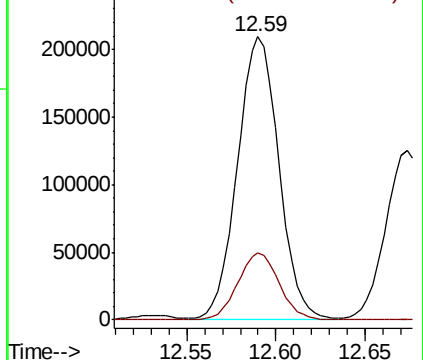
91 100

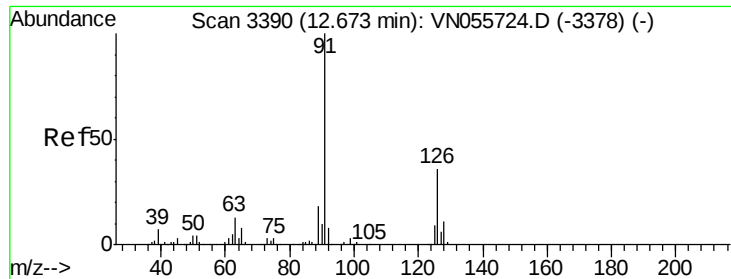
120 23.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.787 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

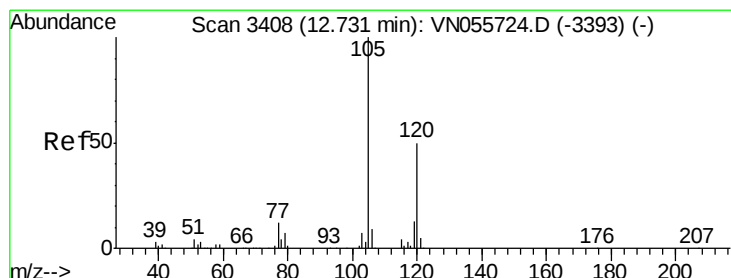
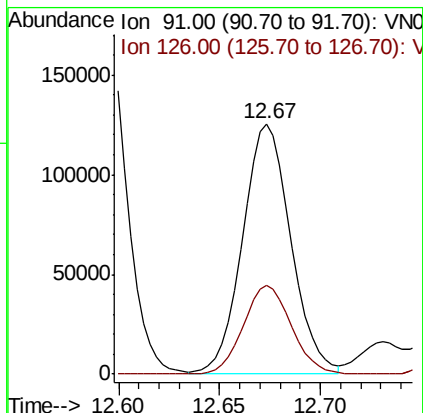
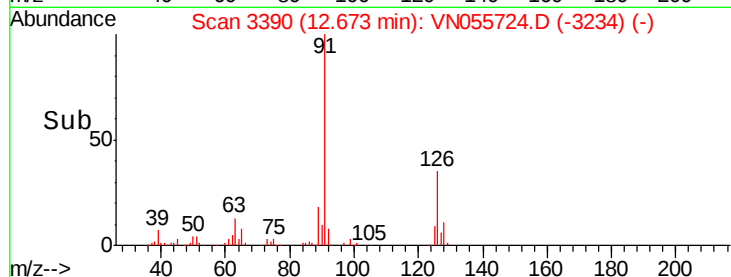
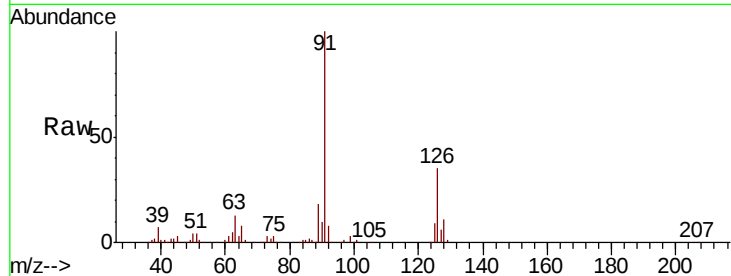
VSTDICCC020

Tot Ion: 91 Resp: 210126

Ion Ratio Lower Upper

91 100

126 35.5 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 20.528 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055724.D

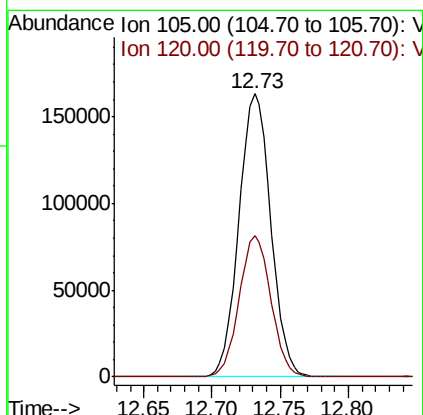
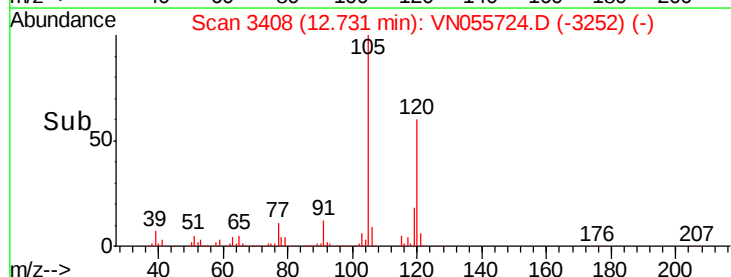
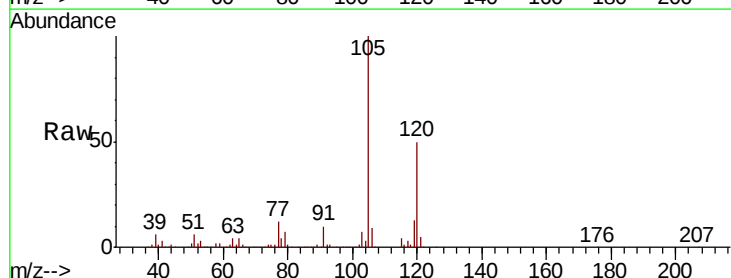
Acq: 22 May 2019 17:22

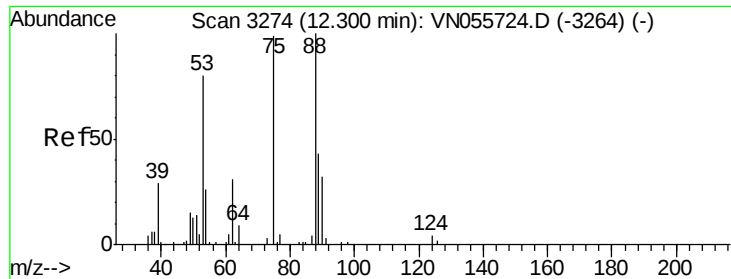
Tgt Ion: 105 Resp: 264205

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 28.139 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

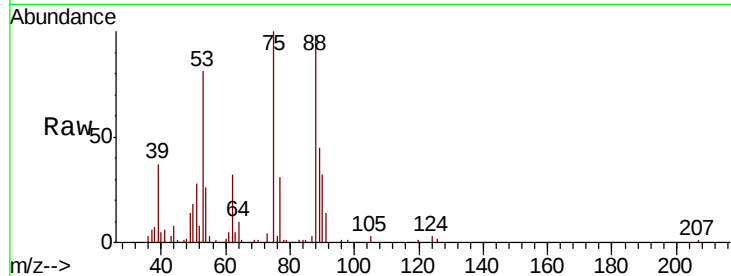
Tot Ion: 75 Resp: 32048

Ion Ratio Lower Upper

75 100

53 80.2 40.1 120.3

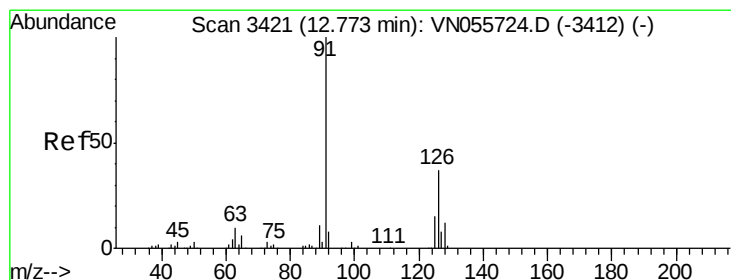
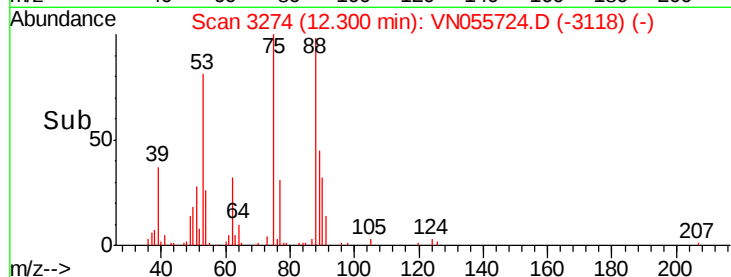
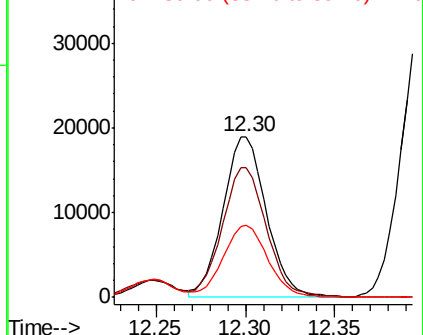
89 45.2 22.6 67.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.241 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055724.D

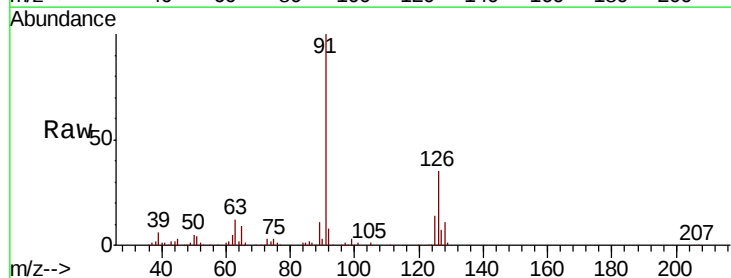
Acq: 22 May 2019 17:22

Tgt Ion: 91 Resp: 193709

Ion Ratio Lower Upper

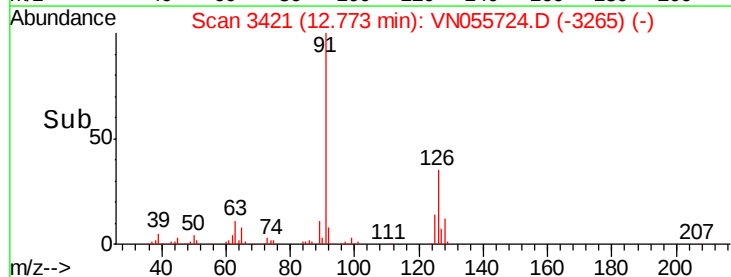
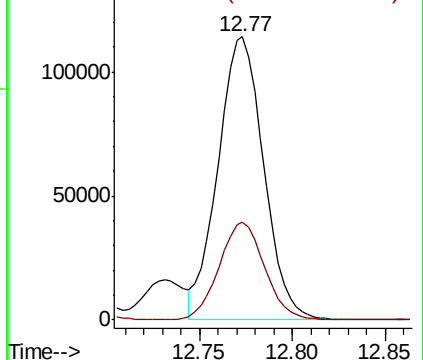
91 100

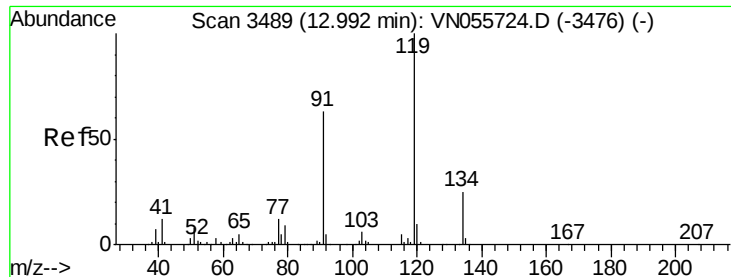
126 34.5 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

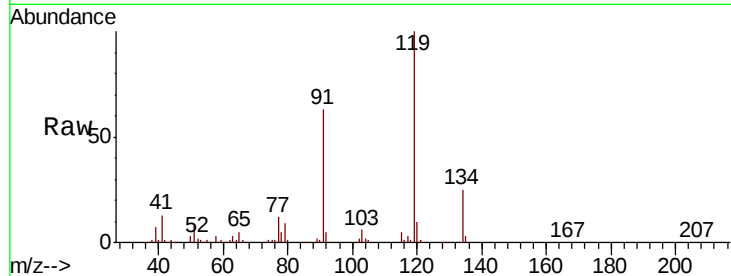




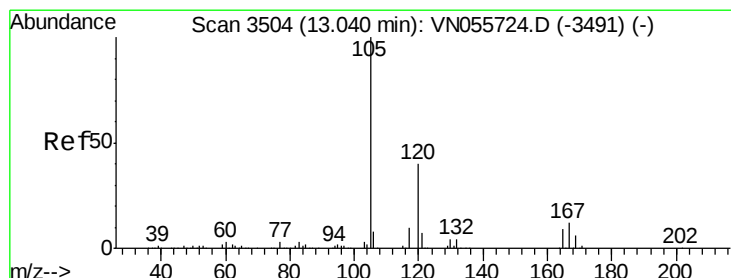
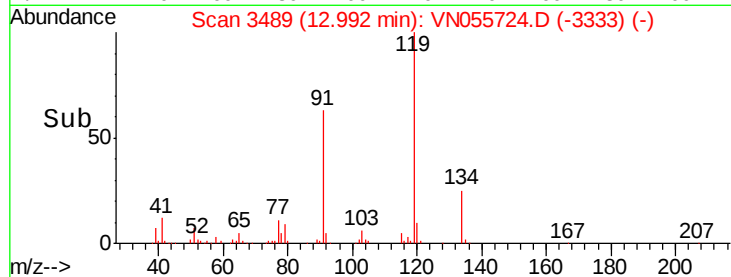
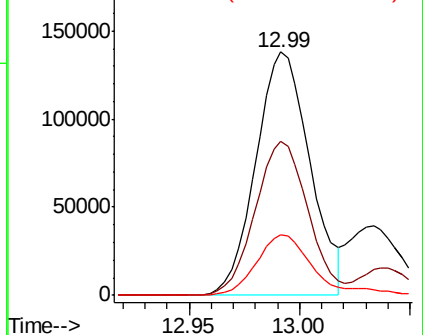
#79
tert-butylbenzene
Concen: 21.090 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	0.0	123.8
134	26.3	0.0	52.6

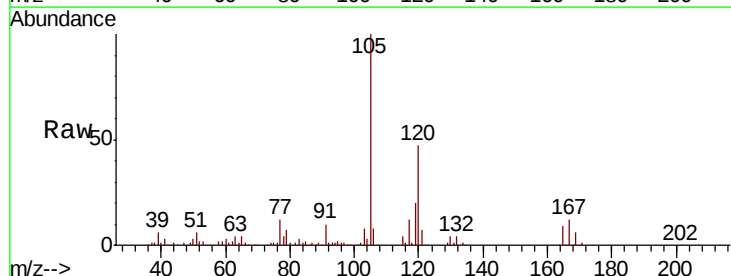


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

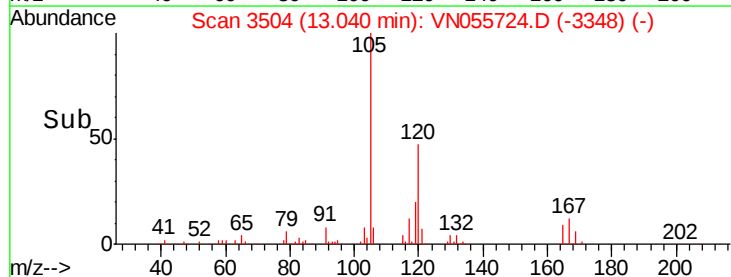
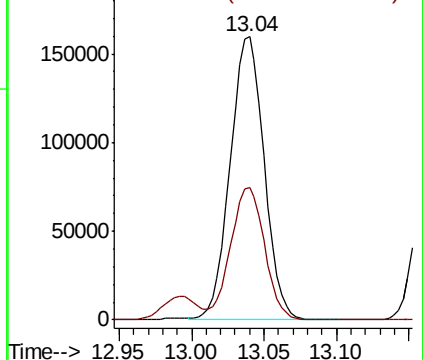


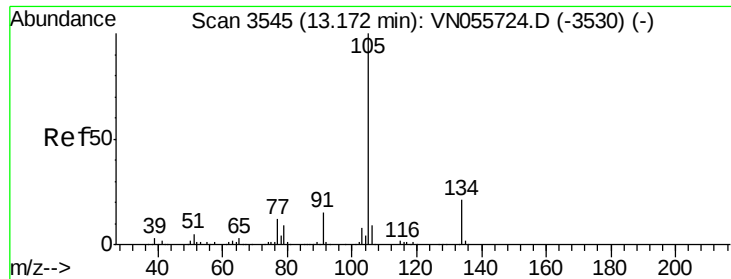
#80
1,2,4-Trimethylbenzene
Concen: 20.879 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	0.0	93.6



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





#81

sec-Butylbenzene

Concen: 20.170 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

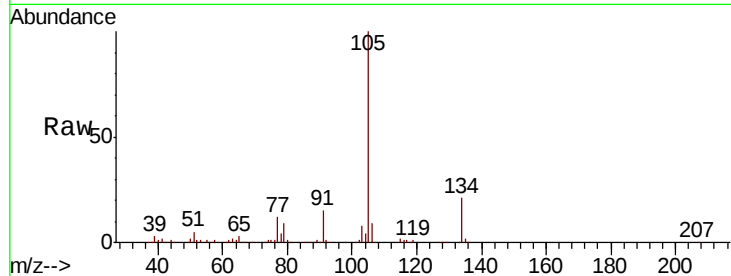
VSTDICCC020

Tot Ion:105 Resp: 293975

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

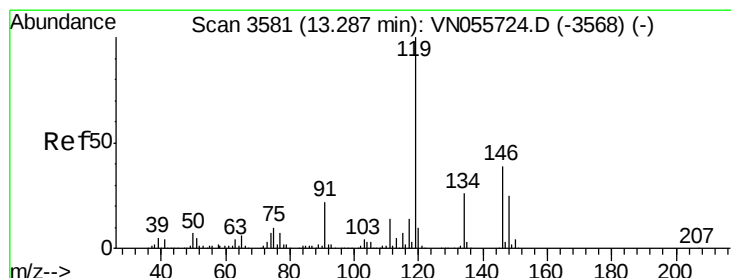
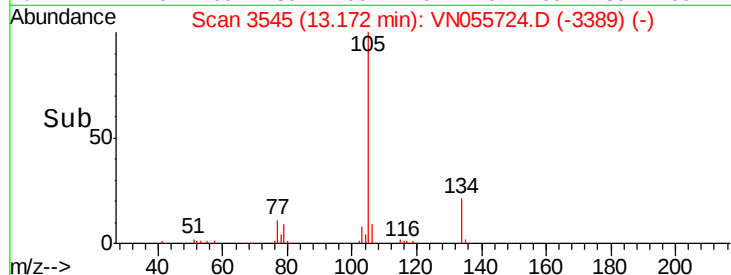
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 21.685 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

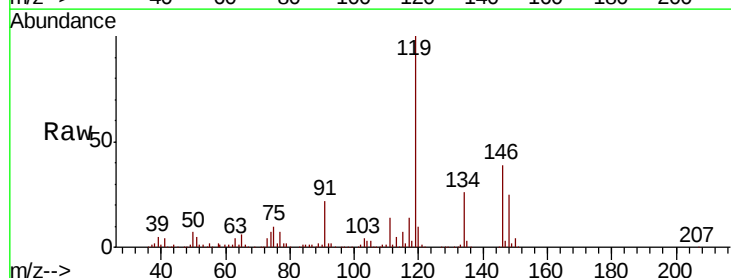
Tgt Ion:119 Resp: 268349

Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.0

91 22.2 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

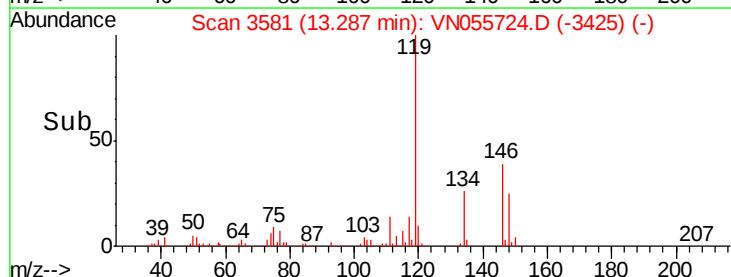
150000

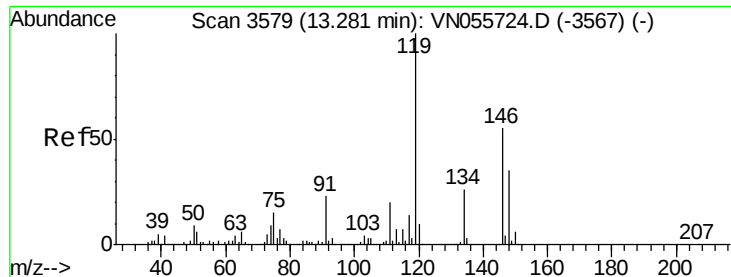
100000

50000

0

Time-->

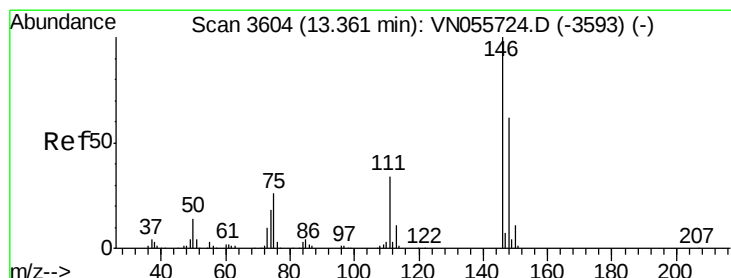
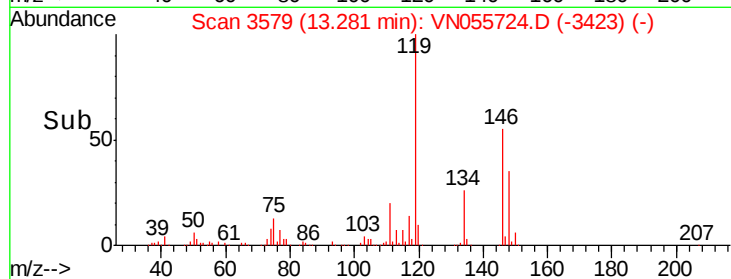
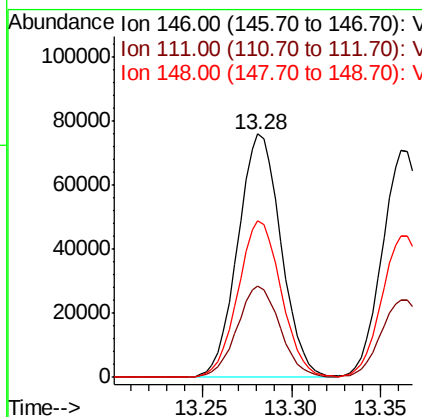
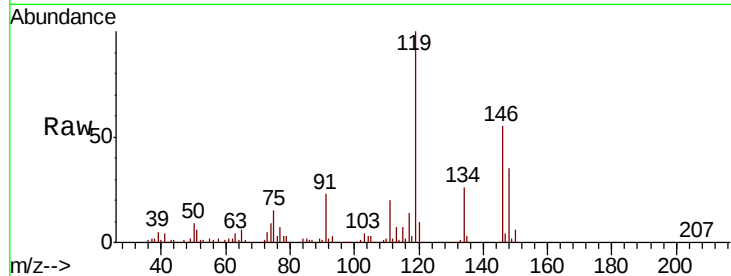




#83
 1,3-Dichlorobenzene
 Concen: 20.877 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

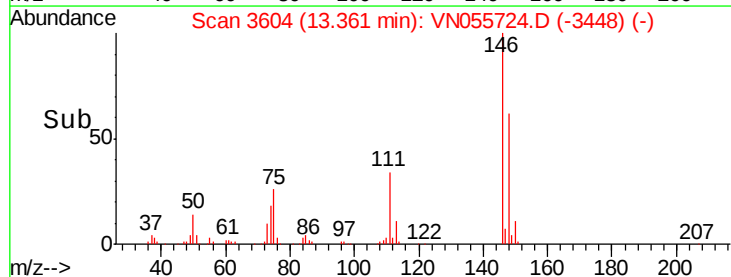
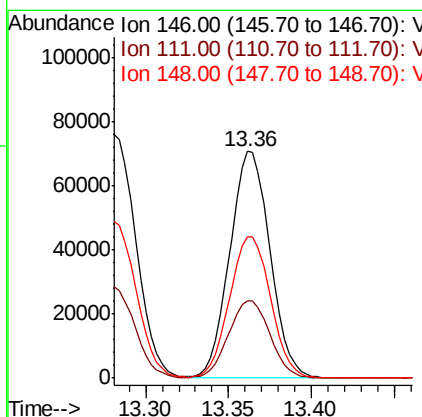
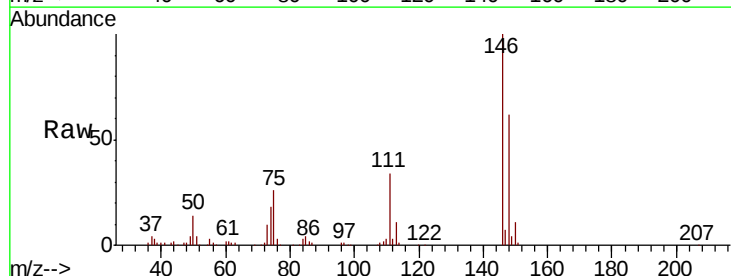
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

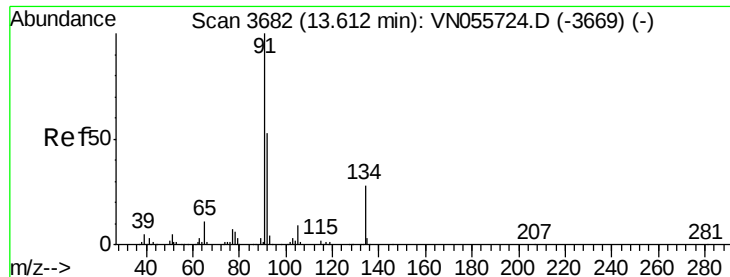
Tot Ion:146 Resp: 128184
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 64.4 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.643 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion:146 Resp: 119554
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.5 52.6
 148 63.6 31.8 95.4

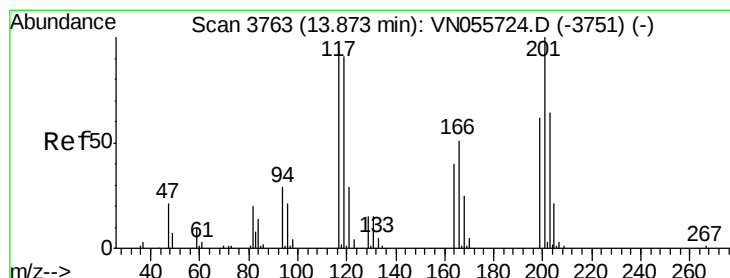
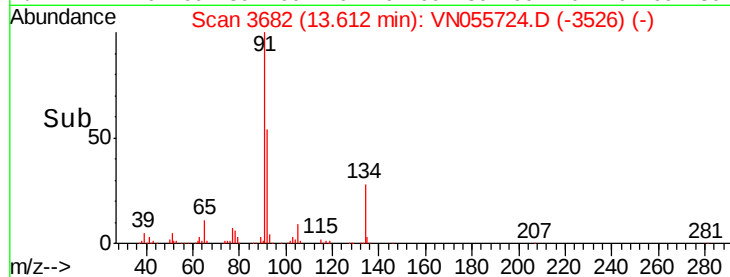
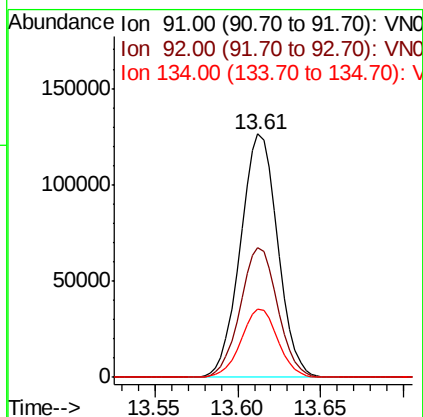
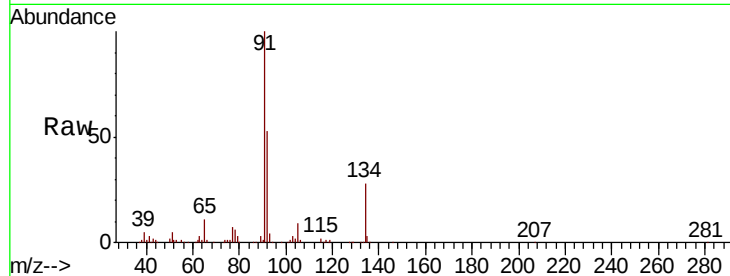




#85
n-Butylbenzene
Concen: 20.805 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

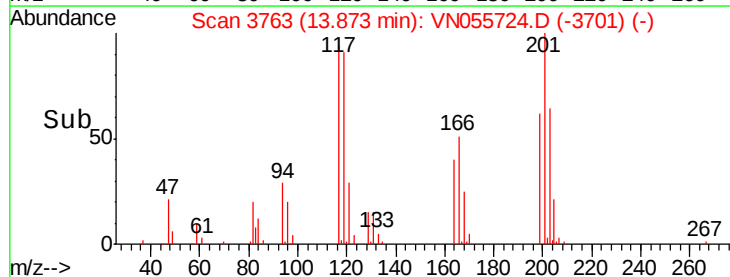
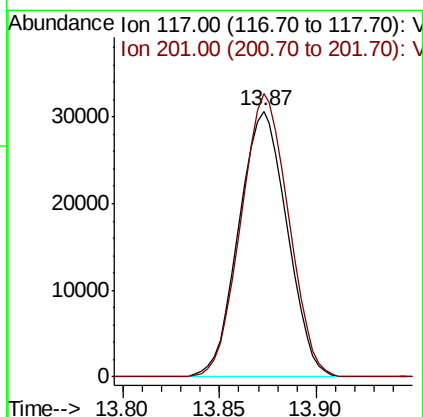
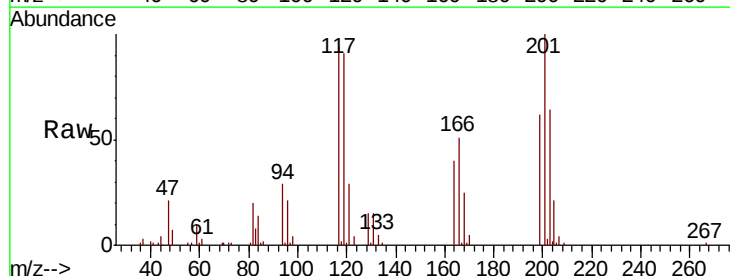
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

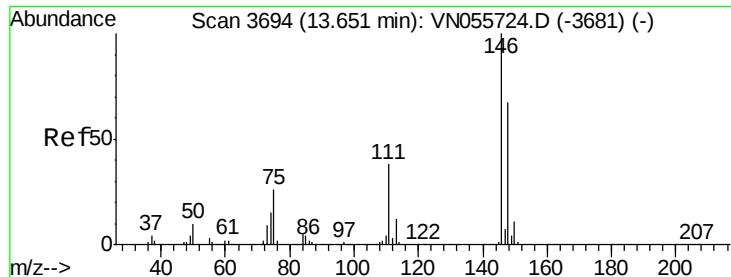
Tot Ion: 91 Resp: 198198
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.8
134 27.6 0.0 55.2



#86
Hexachloroethane
Concen: 24.149 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055724.D
Acq: 22 May 2019 17:22

Tgt Ion: 117 Resp: 53175
Ion Ratio Lower Upper
117 100
201 105.1 52.5 157.6

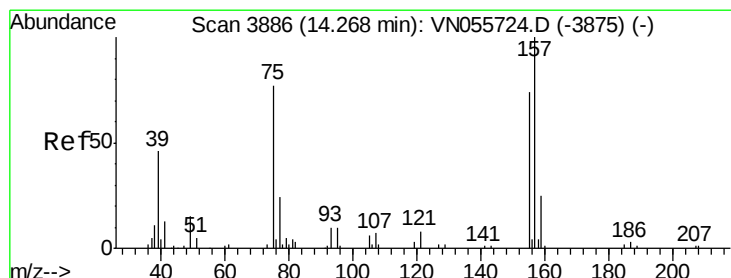
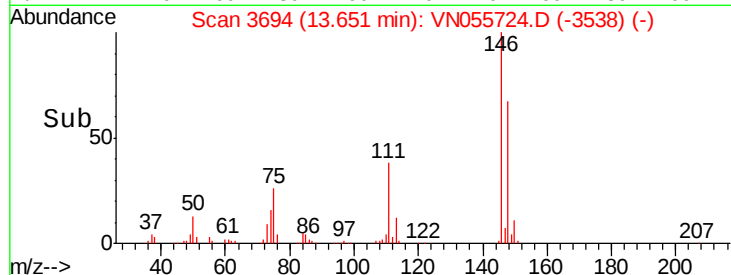
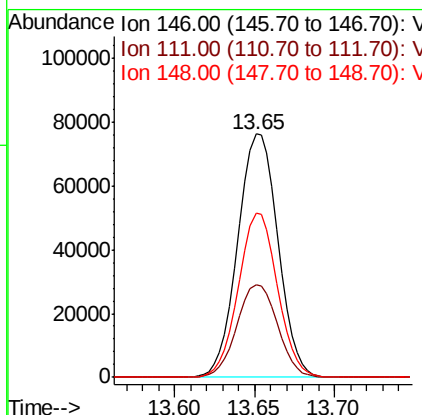
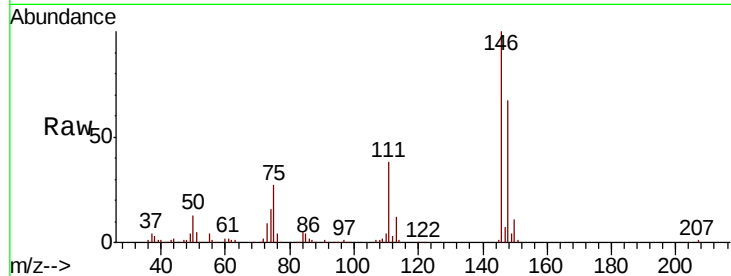




#87
 1,2-Dichlorobenzene
 Concen: 21.321 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

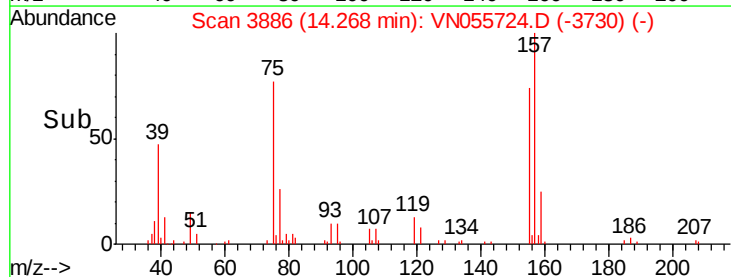
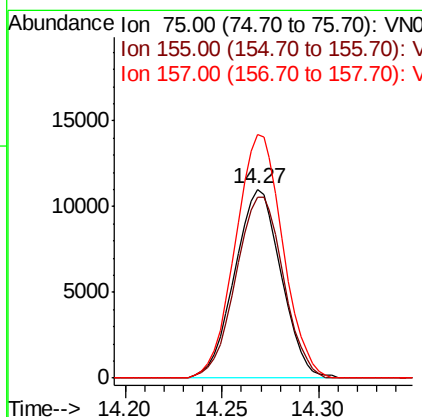
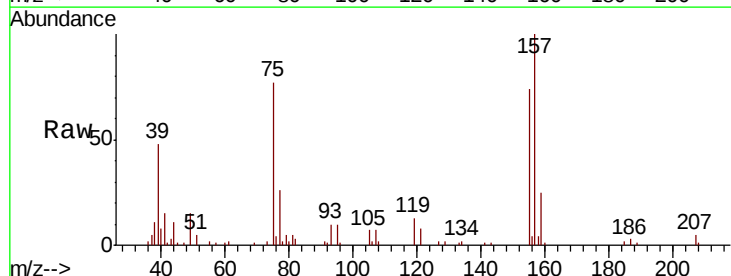
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

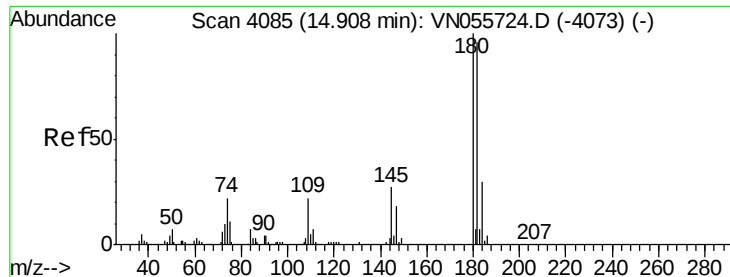
Tot Ion:146 Resp: 131094
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.2 57.6
 148 65.4 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 26.447 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion: 75 Resp: 18446
 Ion Ratio Lower Upper
 75 100
 155 98.0 78.4 117.6
 157 131.2 105.0 157.4

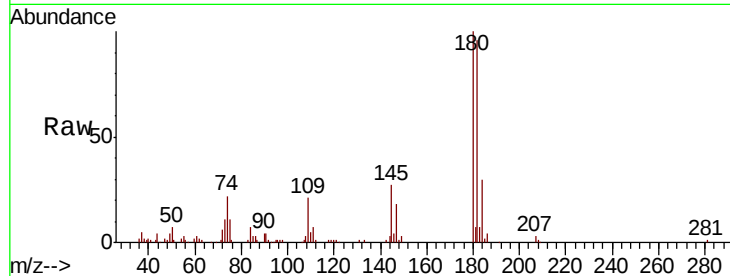




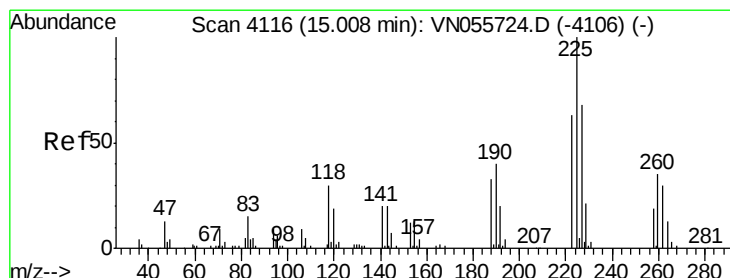
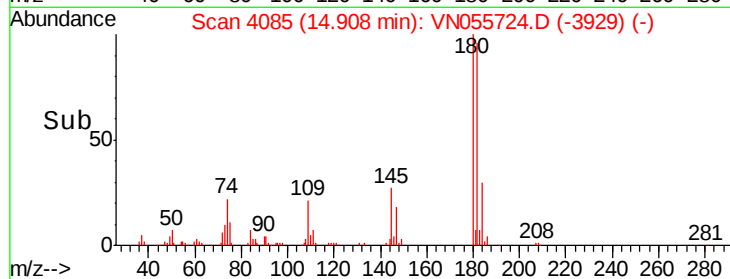
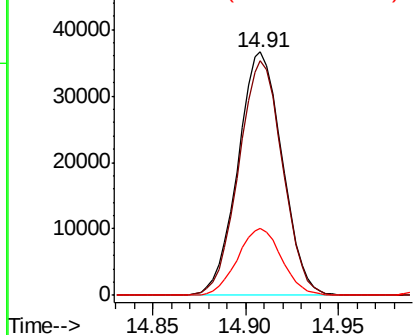
#89
 1,2,4-Trichlorobenzene
 Concen: 23.323 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:180 Resp: 60839
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 145 27.3 21.8 32.8

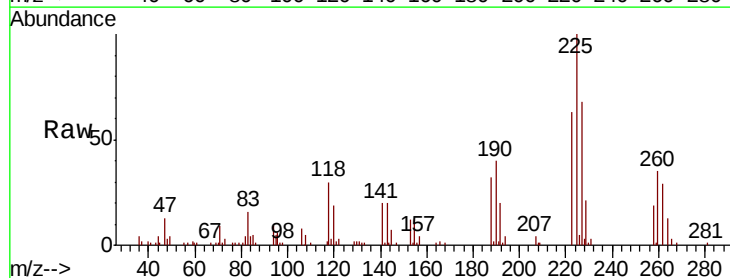


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

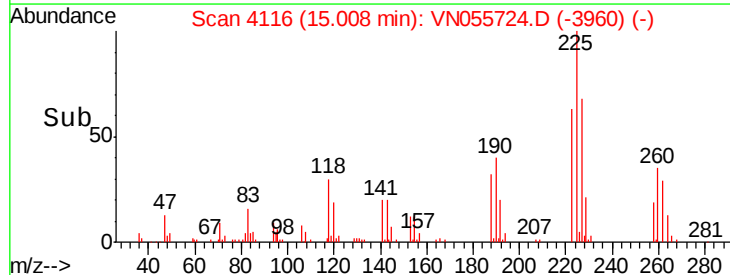
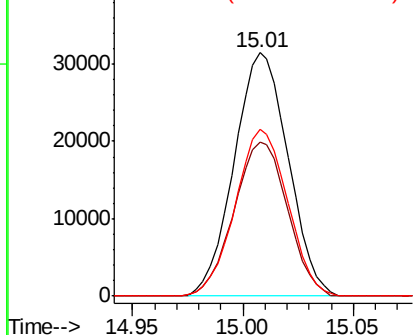


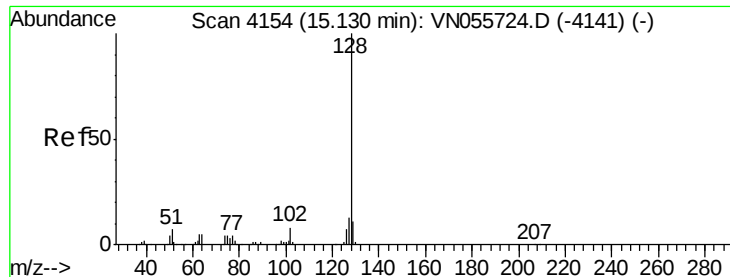
#90
 Hexachlorobutadiene
 Concen: 24.853 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055724.D
 Acq: 22 May 2019 17:22

Tgt Ion:225 Resp: 53504
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 126.0
 227 66.5 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 26.711 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

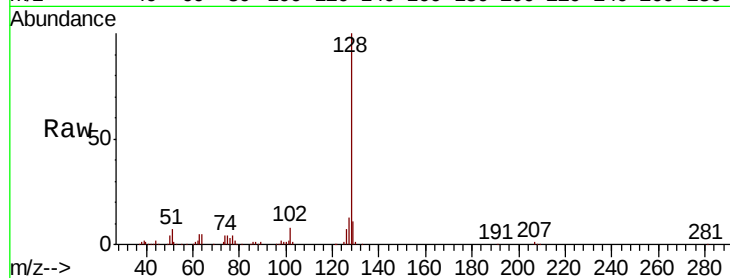
Tot Ion:128 Resp: 170353

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

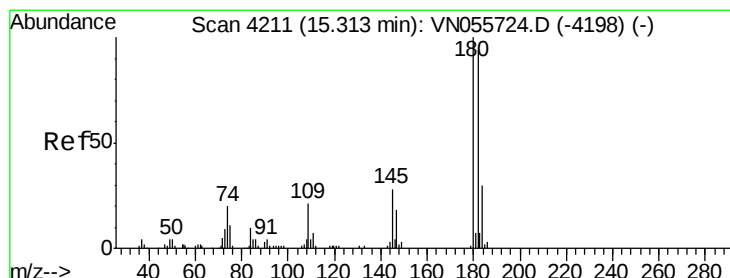
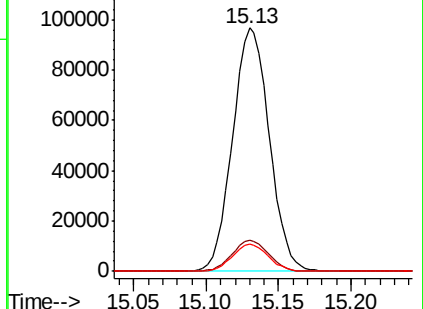
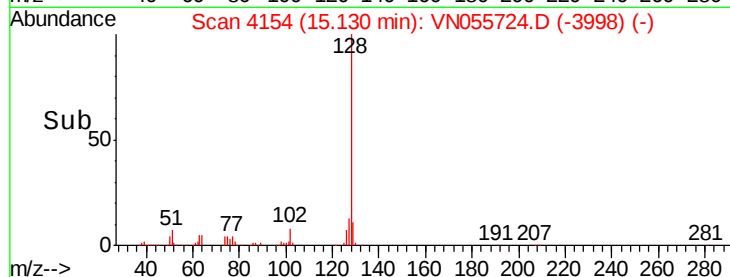
129 10.9 8.7 13.1



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: 24.816 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055724.D

Acq: 22 May 2019 17:22

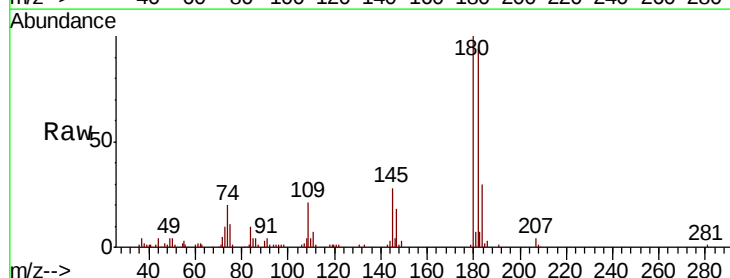
Tgt Ion:180 Resp: 68115

Ion Ratio Lower Upper

180 100

182 94.3 0.0 188.6

145 28.4 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

