

Data File : VN054989.D
Acq On : 11 Apr 2019 20:42
Operator : JC/SP
Sample : VSTDCCC020EC
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Apr 12 08:06:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	75680	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	413066	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	355167	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	174358	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	12.40	95	161131	29.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.13%
63) Toluene-d8	10.09	98	522683	30.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	83293	18.713	ug/l 97
3) Chloromethane	2.06	50	120643	20.064	ug/l 97
4) Vinyl Chloride	2.19	62	105691	20.327	ug/l 99
5) Bromomethane	2.57	94	61977	20.607	ug/l 92
6) Chloroethane	2.71	64	57503	19.747	ug/l 99
7) Trichlorofluoromethane	3.02	101	131200	19.746	ug/l 94
8) Diethyl Ether	3.41	74	43623	20.448	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70881	19.516	ug/l 98
10) 1,1-Dichloroethene	3.73	96	65603	19.536	ug/l 97
11) Methyl Iodide	3.94	142	99489	19.578	ug/l 100
12) Methyl Acetate	4.33	43	87657	21.223	ug/l 97
13) Acrolein	3.61	56	34650	95.720	ug/l 95
14) Acrylonitrile	4.99	53	170957	101.027	ug/l 99
15) Acetone	3.82	58	32479	77.564	ug/l 92
16) Carbon Disulfide	4.04	76	212050	18.826	ug/l 97
17) Allyl chloride	4.32	41	164437	19.885	ug/l 99
18) Methylene Chloride	4.55	84	97046	19.551	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	86958	19.893	ug/l 97
20) Diisopropyl ether	5.96	45	336828	20.106	ug/l 98
21) 1,1-Dichloroethane	5.85	63	180942	20.222	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	100350	19.750	ug/l 98
23) tert-Butyl Alcohol	4.82	59	27690	102.623	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	236657	20.989	ug/l # 69
25) Chloroform	7.37	83	172630	20.141	ug/l 97
26) Cyclohexane	7.65	56	160514	19.334	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	126966	19.737	ug/l 98
30) 2-Butanone	6.85	43	200407	93.850	ug/l 99
31) 2,2-Dichloropropane	6.82	77	108538	18.331	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	137757	20.260	ug/l 98
33) Carbon Tetrachloride	7.77	117	114933	19.523	ug/l 97
34) Benzene	8.04	78	377524	19.803	ug/l 99
35) Methacrylonitrile	7.18	41	46546	18.494	ug/l 95
36) 1,2-Dichloroethane	8.12	62	133032	20.418	ug/l 100
37) Trichloroethene	8.83	130	96605	19.878	ug/l 92
38) Methylcyclohexane	9.08	83	138285	18.536	ug/l 99
39) 1,2-Dichloropropane	9.12	63	106125	20.161	ug/l 100
40) Dibromomethane	9.21	93	60169	20.223	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	121292	19.752	ug/l	98
42) Vinyl Acetate	5.90	43	1084484	100.457	ug/l	100
43) Ethyl Acetate	6.94	43	86548	19.895	ug/l	99
44) Isopropyl Acetate	8.17	43	149092	20.223	ug/l	99
45) 1,4-Dioxane	9.20	88	15944	390.368	ug/l #	85
46) Methyl methacrylate	9.20	41	73009	19.144	ug/l	96
47) n-amyl Acetate	12.07	43	106553	19.623	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	105103	18.639	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	135199	19.422	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	83454	20.651	ug/l	96
51) Ethyl methacrylate	10.43	69	94876	19.695	ug/l	99
52) 1,3-Dichloropropane	10.71	76	143766	20.302	ug/l	99
53) Dibromochloromethane	10.90	129	80814	19.414	ug/l	99
54) 1,2-Dibromoethane	11.00	107	75928	20.013	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	188797	93.746	ug/l	99
56) Bromoform	12.13	173	48060	18.374	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	431519	105.356	ug/l	100
59) 2-Hexanone	10.75	43	260704	100.194	ug/l	99
61) Tetrachloroethene	10.63	164	91202	19.732	ug/l	94
62) Toluene	10.16	91	397410	20.308	ug/l	98
64) Chlorobenzene	11.43	112	236249	19.997	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	85179	20.272	ug/l	99
66) Ethyl Benzene	11.51	91	422040	20.118	ug/l	99
67) m/p-Xylenes	11.62	106	313376	40.189	ug/l	98
68) o-Xylene	11.95	106	152913	19.844	ug/l	98
69) Styrene	11.96	104	231489	19.346	ug/l	98
70) Isopropylbenzene	12.25	105	415229	20.154	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	98283	20.857	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	115068	29.568	ug/l	55
73) Bromobenzene	12.53	156	97423	20.006	ug/l	98
74) n-propylbenzene	12.59	91	448552	19.447	ug/l	99
75) 2-Chlorotoluene	12.67	91	275966	19.838	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	325817	19.561	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17138	17.471	ug/l	96
78) 4-Chlorotoluene	12.77	91	255599	19.284	ug/l	100
79) tert-butylbenzene	12.99	119	284909	19.768	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	322240	19.693	ug/l	99
81) sec-Butylbenzene	13.17	105	374450	19.444	ug/l	99
82) p-Isopropyltoluene	13.29	119	306325	18.848	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	155040	19.031	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	145779	18.830	ug/l	97
85) n-Butylbenzene	13.61	91	220033	16.996	ug/l	100
86) Hexachloroethane	13.87	117	47730	18.345	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	160365	20.100	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12350	19.719	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	57419	16.097	ug/l	94
90) Hexachlorobutadiene	15.01	225	44747	17.206	ug/l	99
91) Naphthalene	15.13	128	126930	16.994	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	62025	17.387	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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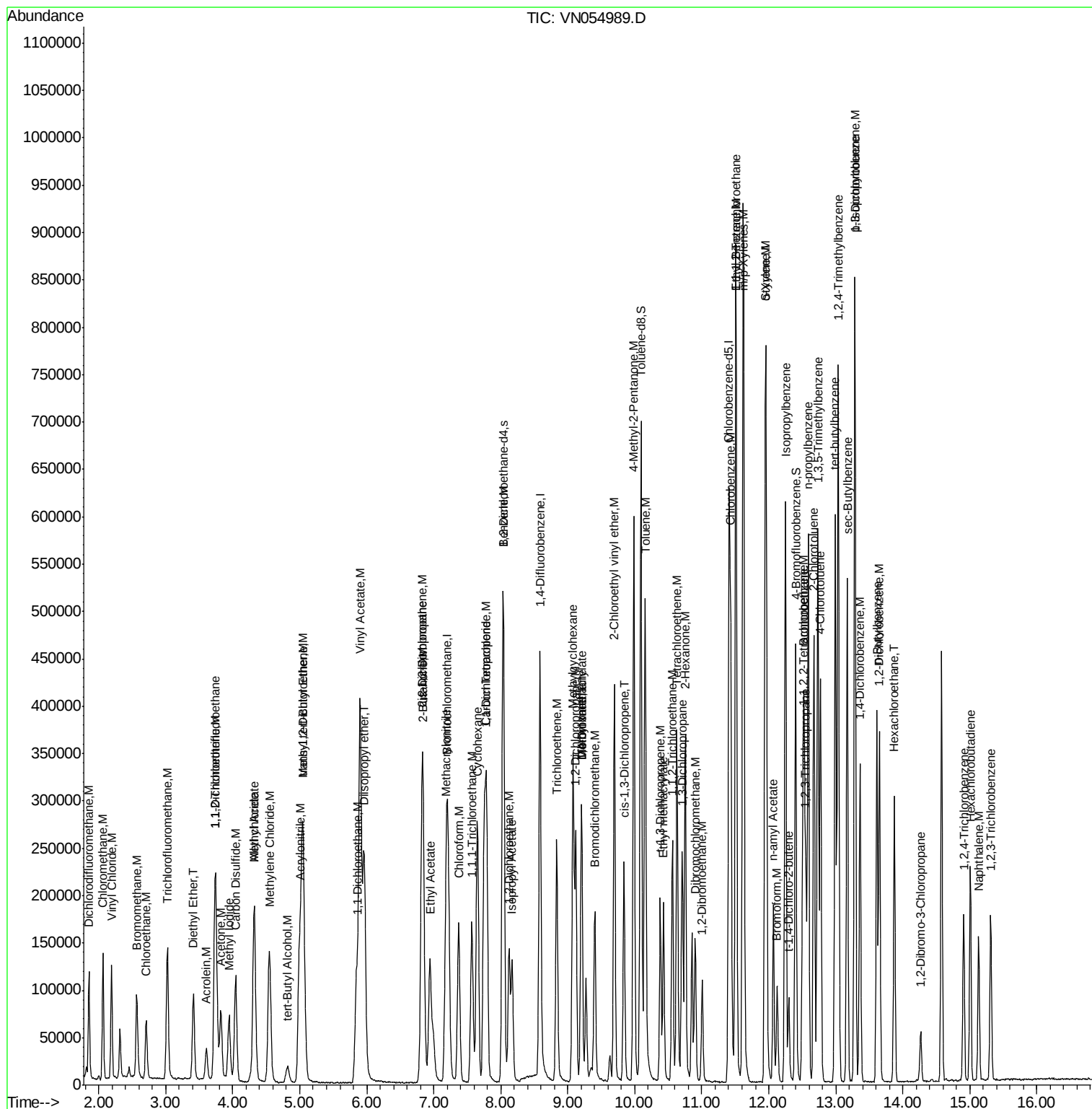
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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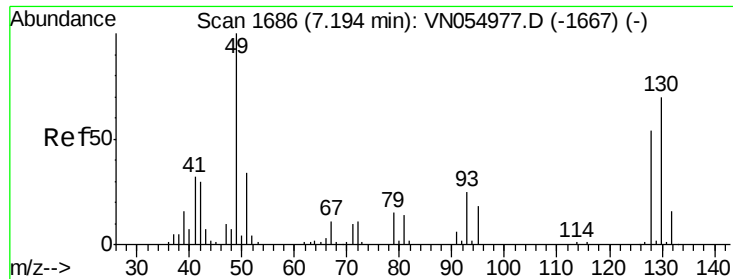
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

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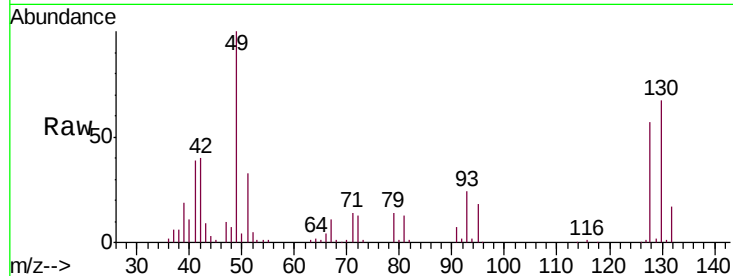
Tgt Ion:128 Resp: 75680

Ion Ratio Lower Upper

128 100

49 187.9 0.0 480.3

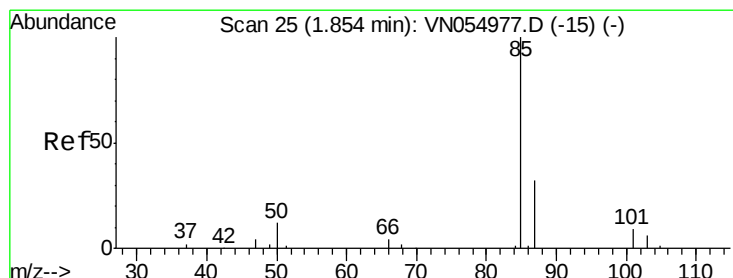
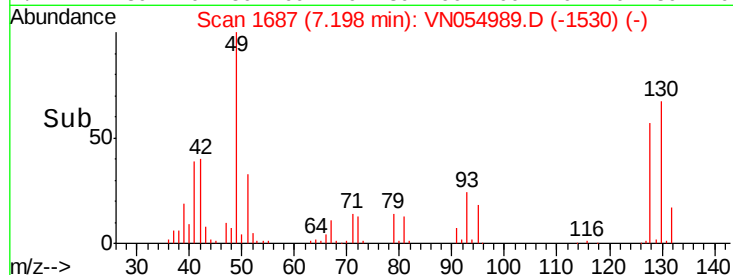
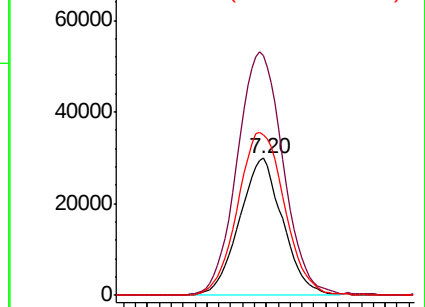
130 128.7 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.713 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054989.D

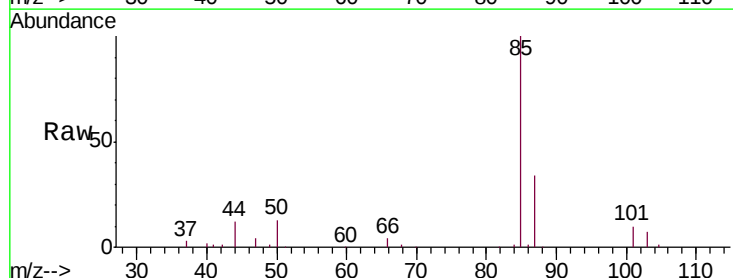
Acq: 11 Apr 2019 20:42

Tgt Ion: 85 Resp: 83293

Ion Ratio Lower Upper

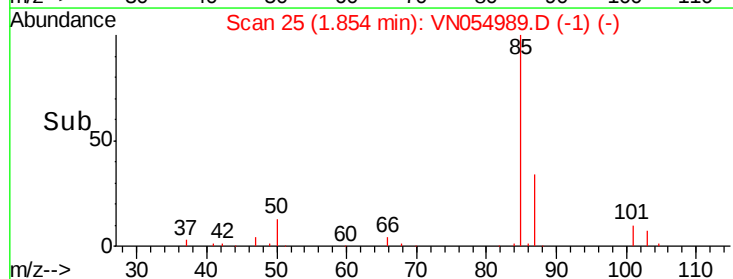
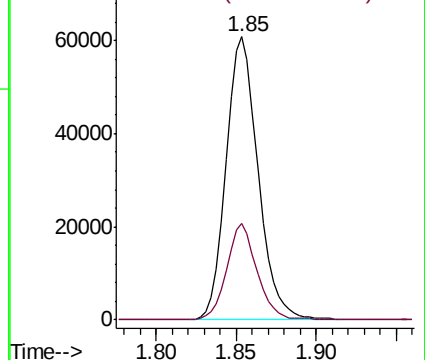
85 100

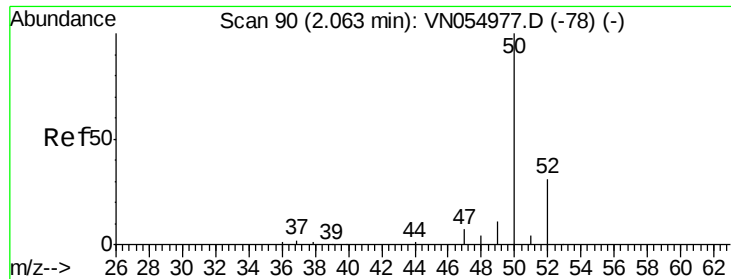
87 34.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.064 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

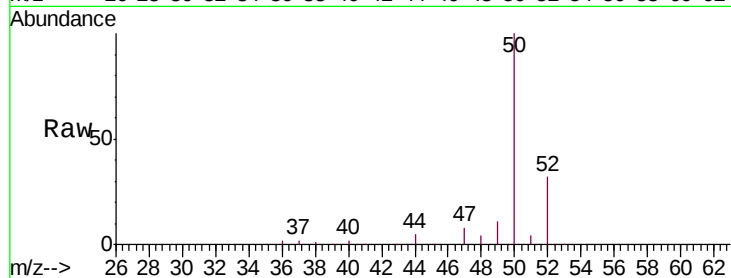
VSTDCCC020EC

Tgt Ion: 50 Resp: 120643

Ion Ratio Lower Upper

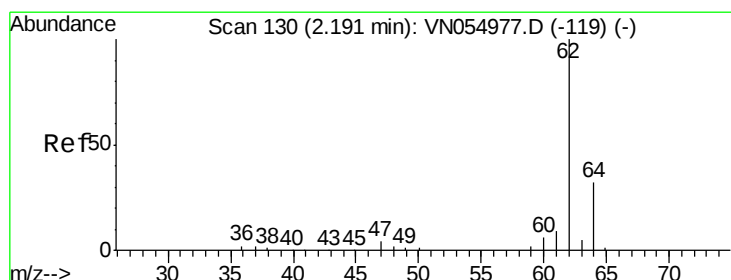
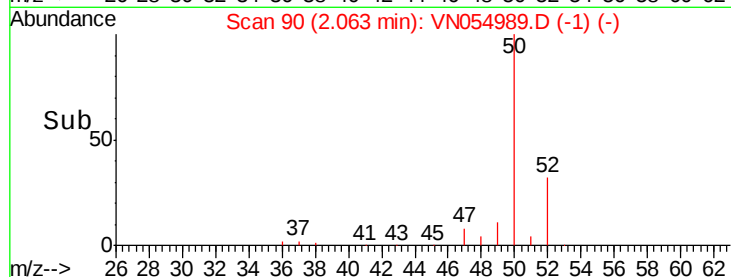
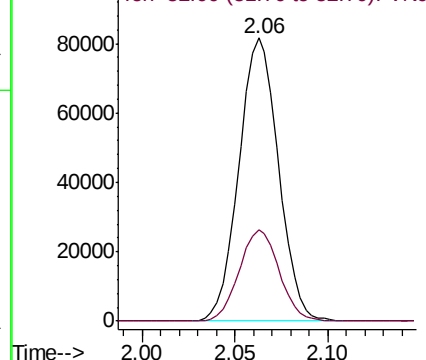
50 100

52 32.2 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.327 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054989.D

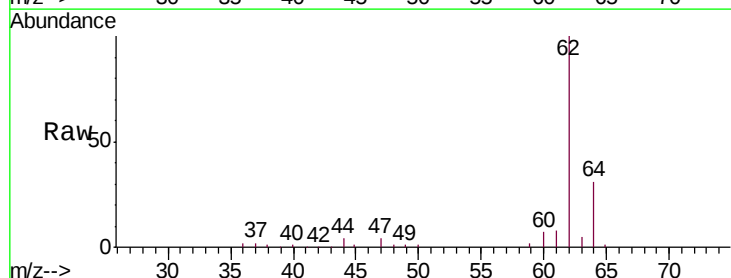
Acq: 11 Apr 2019 20:42

Tgt Ion: 62 Resp: 105691

Ion Ratio Lower Upper

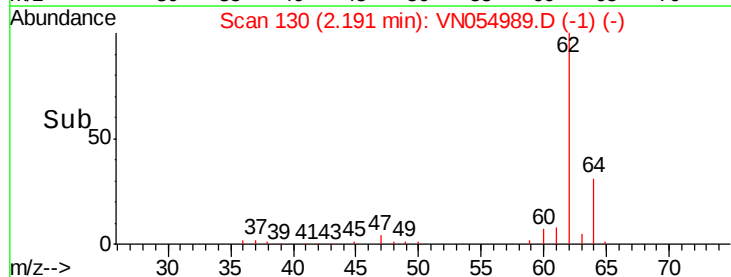
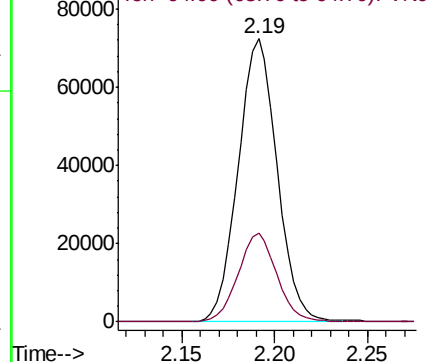
62 100

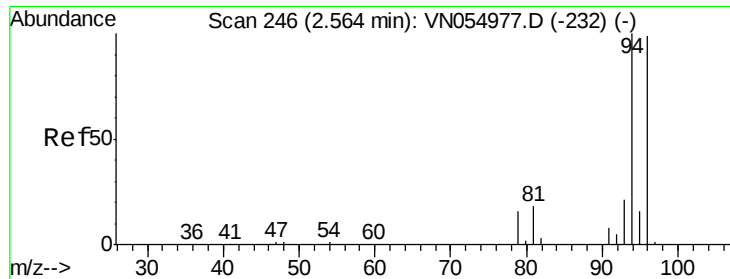
64 31.3 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.607 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

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ClientSampleId :

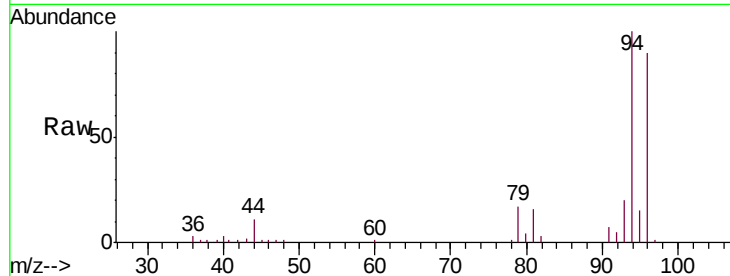
VSTDCCC020EC

Tgt Ion: 94 Resp: 61977

Ion Ratio Lower Upper

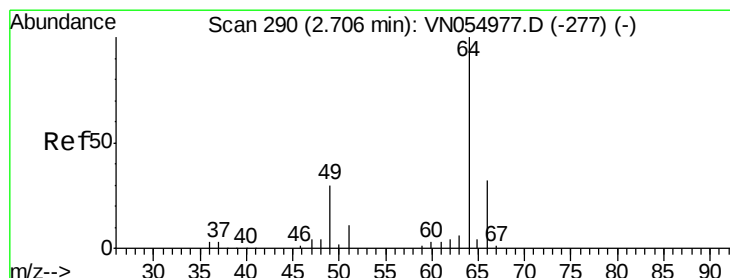
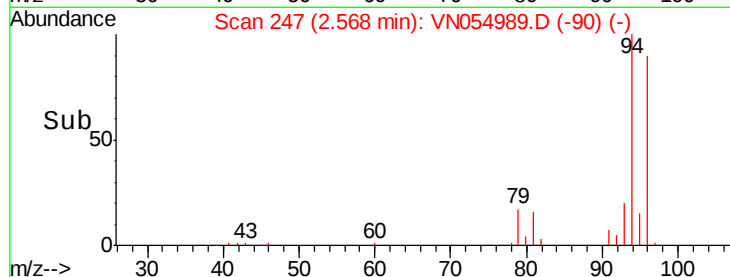
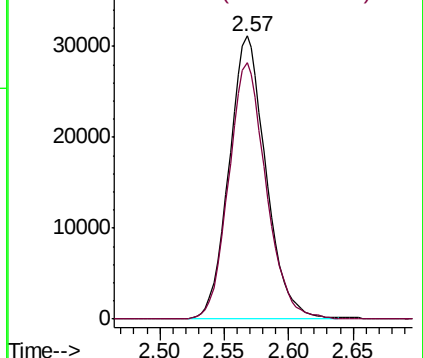
94 100

96 90.5 79.1 118.7



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.747 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054989.D

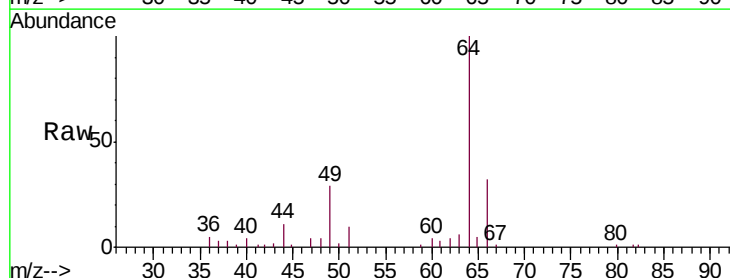
Acq: 11 Apr 2019 20:42

Tgt Ion: 64 Resp: 57503

Ion Ratio Lower Upper

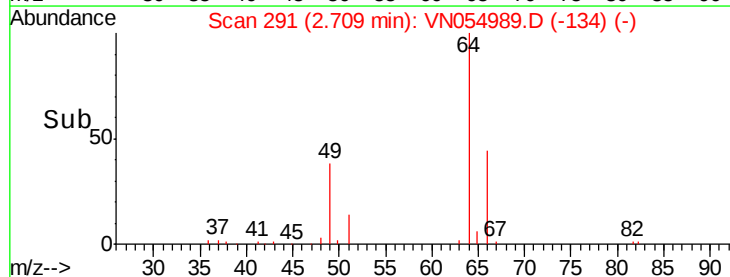
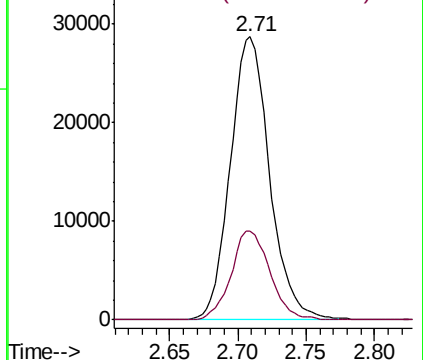
64 100

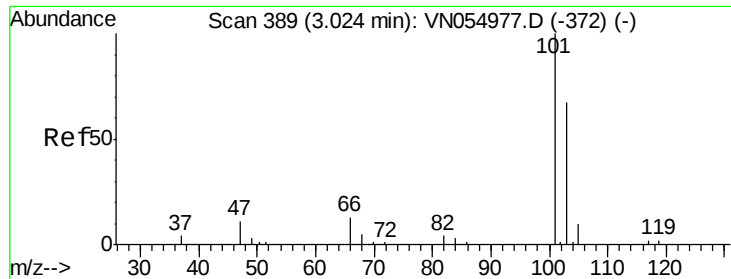
66 31.5 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



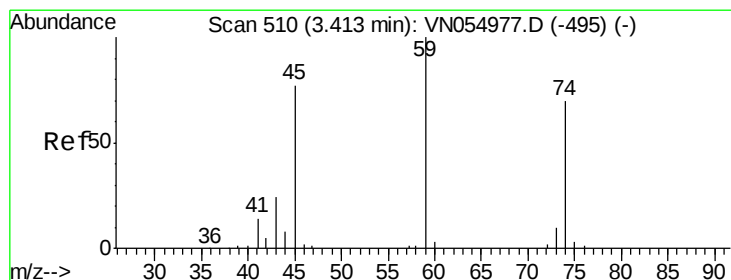
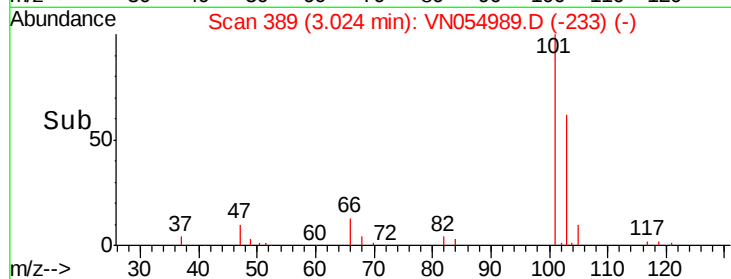
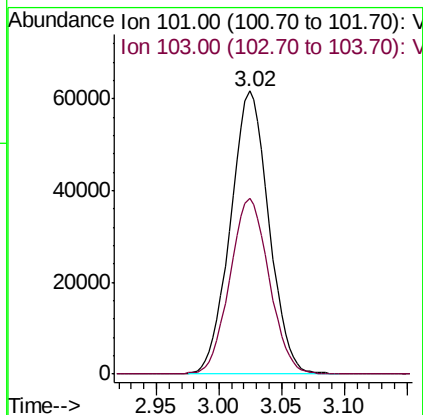
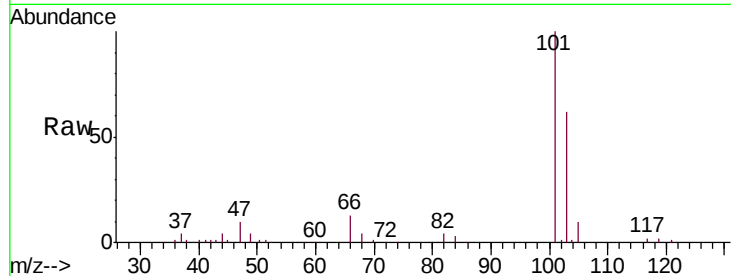


#7

Trichlorofluoromethane
 Concen: 19.746 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054989.D
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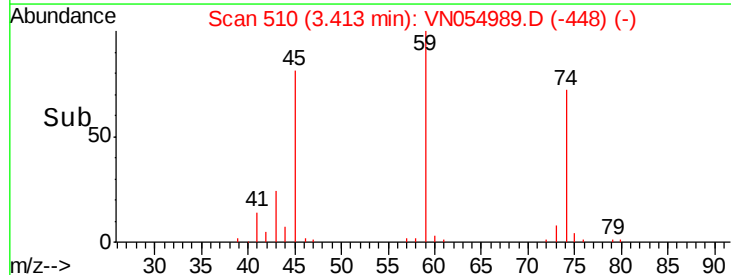
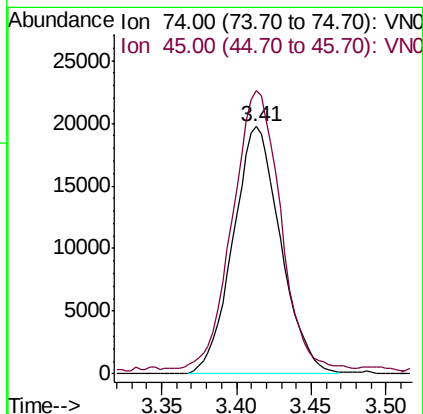
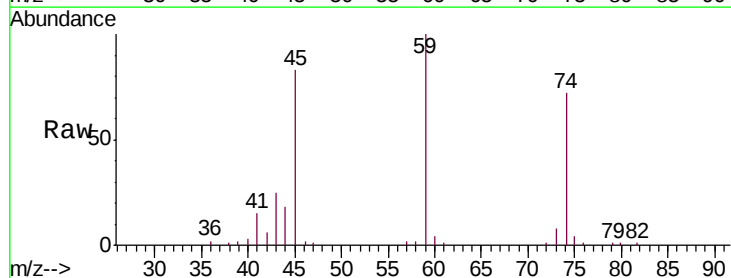
Tgt Ion:101 Resp: 131200
 Ion Ratio Lower Upper
 101 100
 103 61.9 53.4 80.0

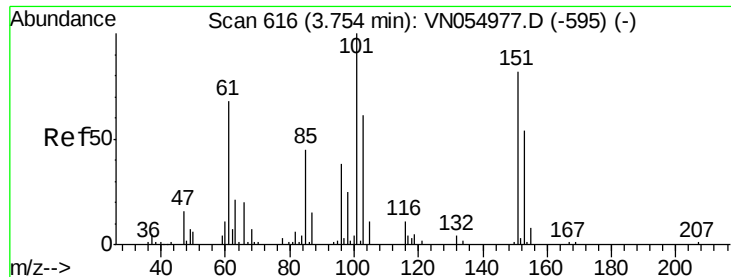


#8

Diethyl Ether
 Concen: 20.448 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 74 Resp: 43623
 Ion Ratio Lower Upper
 74 100
 45 114.7 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.516 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054989.D

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MSVOA_N

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VSTDCCC020EC

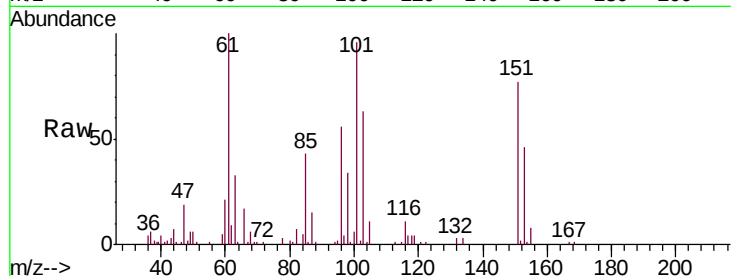
Tgt Ion:101 Resp: 70881

Ion Ratio Lower Upper

101 100

85 46.4 0.0 91.4

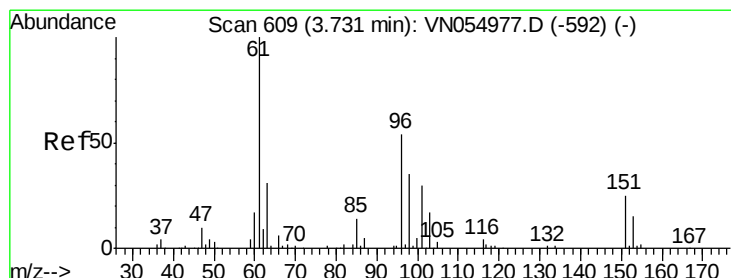
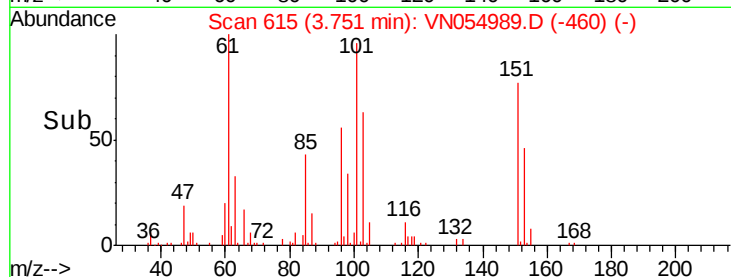
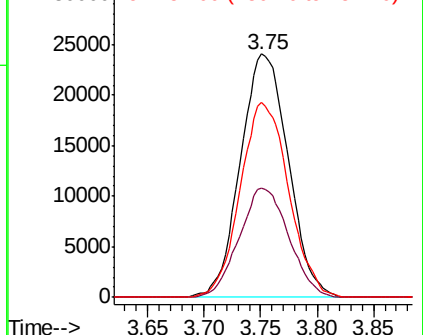
151 80.9 0.0 165.6



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: 19.536 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

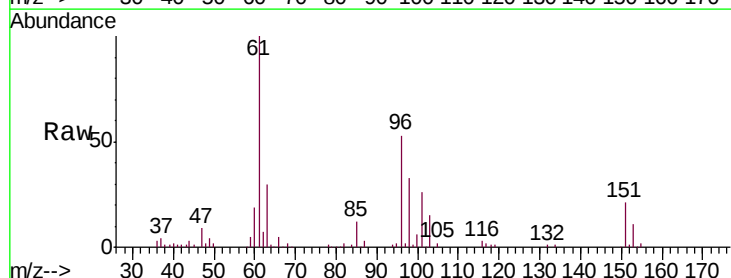
Tgt Ion: 96 Resp: 65603

Ion Ratio Lower Upper

96 100

61 189.3 148.4 222.6

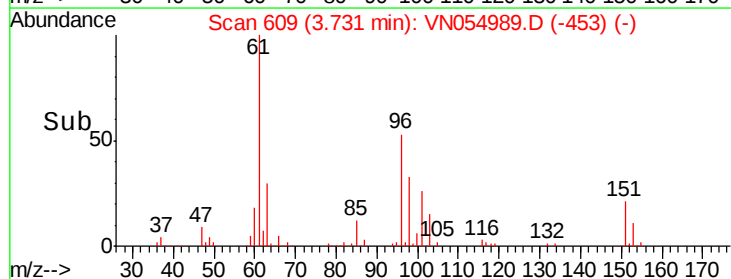
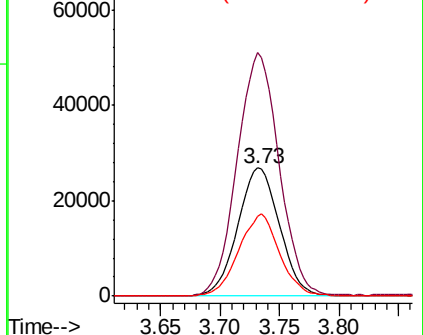
98 62.2 52.2 78.2

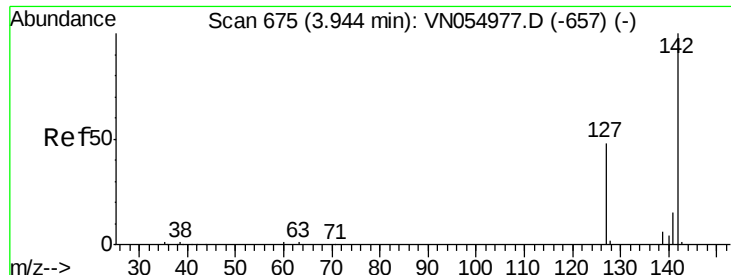


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

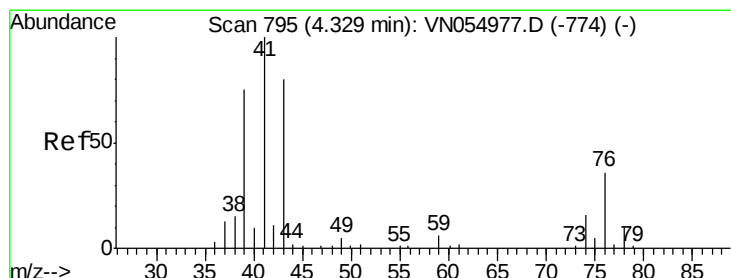
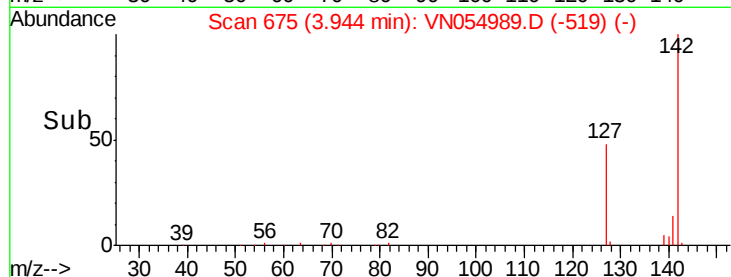
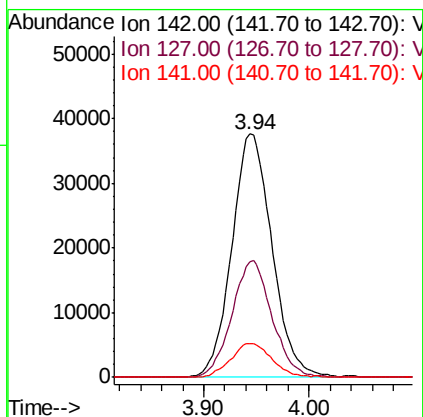
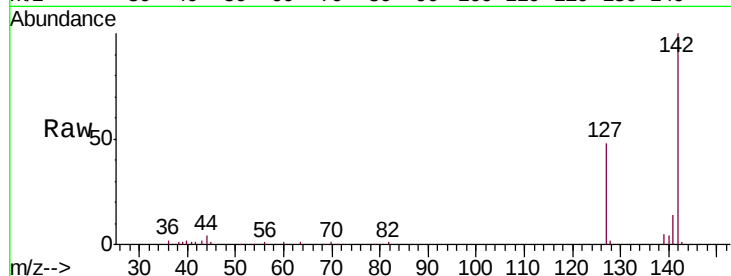




#11
Methyl Iodide
Concen: 19.578 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

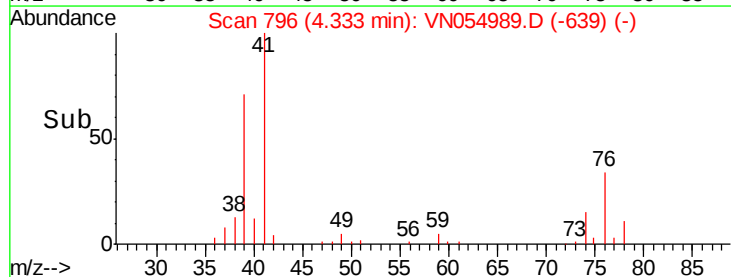
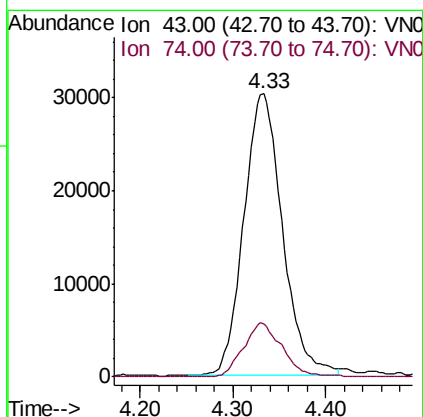
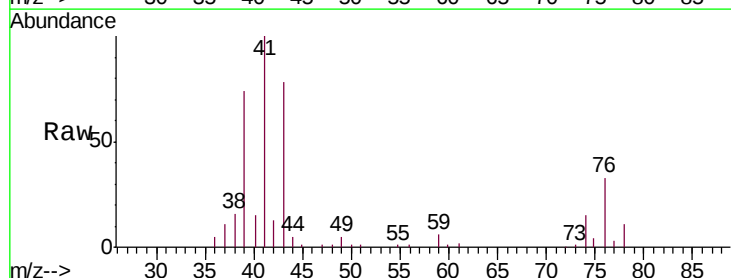
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

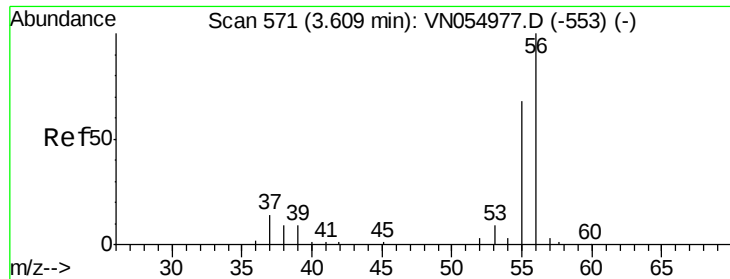
Tgt Ion:142 Resp: 99489
Ion Ratio Lower Upper
142 100
127 47.7 23.8 71.5
141 13.9 7.3 22.0



#12
Methyl Acetate
Concen: 21.223 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 43 Resp: 87657
Ion Ratio Lower Upper
43 100
74 18.8 16.2 24.4





#13

Acrolein

Concen: 95.720 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

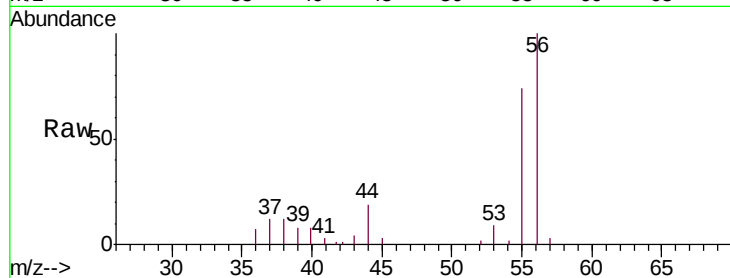
VSTDCCC020EC

Tgt Ion: 56 Resp: 34650

Ion Ratio Lower Upper

56 100

55 75.7 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

15000

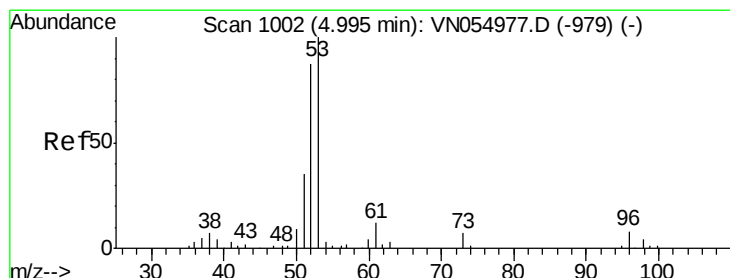
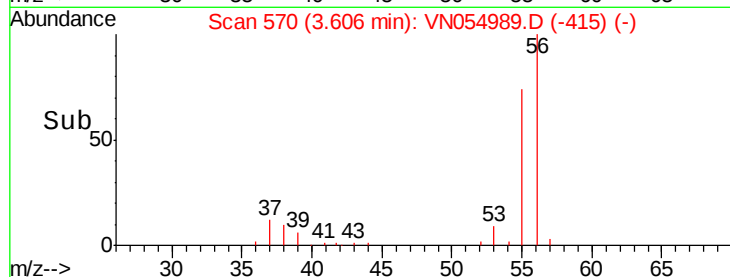
10000

5000

0

Time-->

3.55 3.60 3.65



#14

Acrylonitrile

Concen: 101.027 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

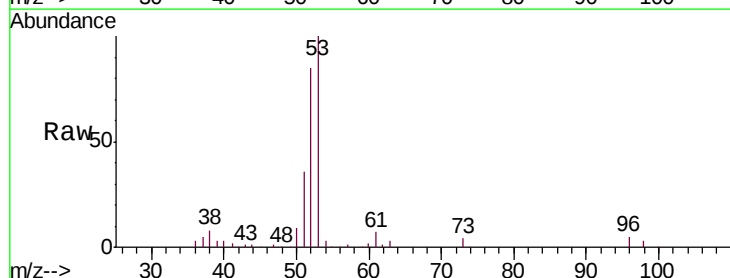
Tgt Ion: 53 Resp: 170957

Ion Ratio Lower Upper

53 100

52 83.6 42.3 126.8

51 36.6 18.6 56.0



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

4.99

60000

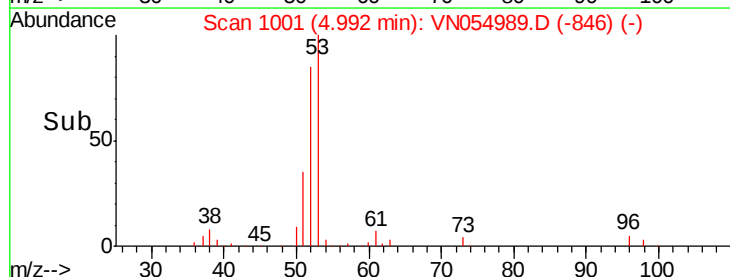
40000

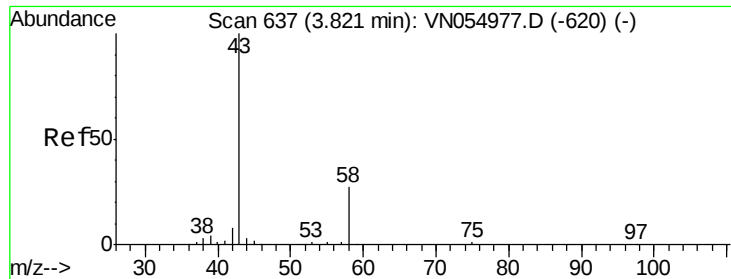
20000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 77.564 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

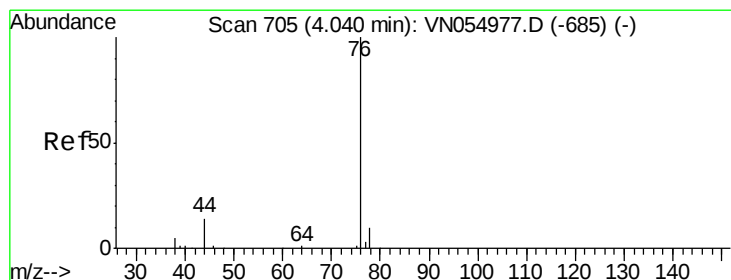
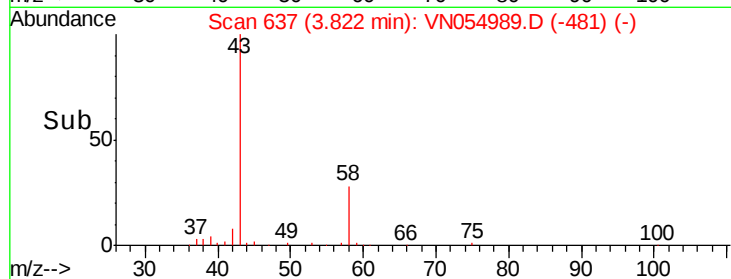
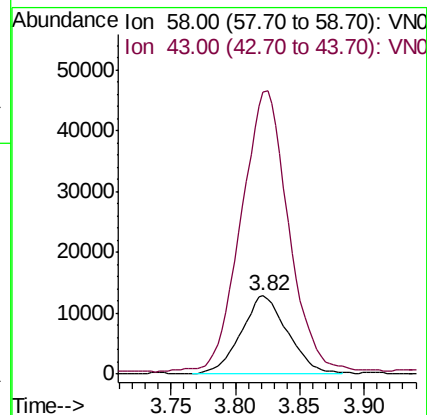
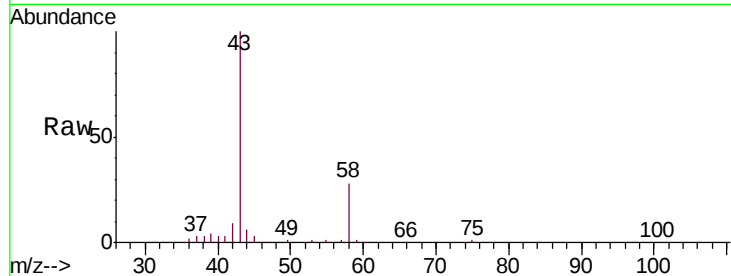
VSTDCCC020EC

Tgt Ion: 58 Resp: 32479

Ion Ratio Lower Upper

58 100

43 354.6 297.2 445.8



#16

Carbon Disulfide

Concen: 18.826 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054989.D

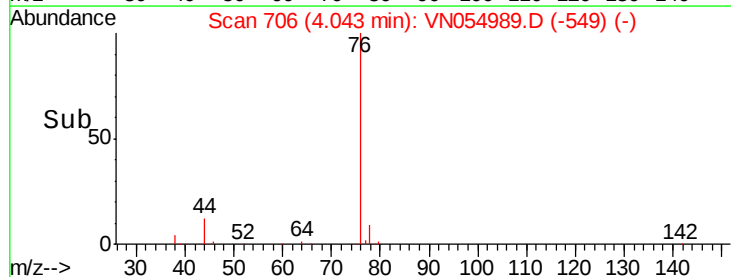
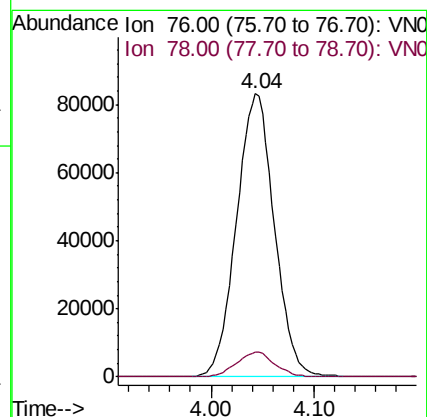
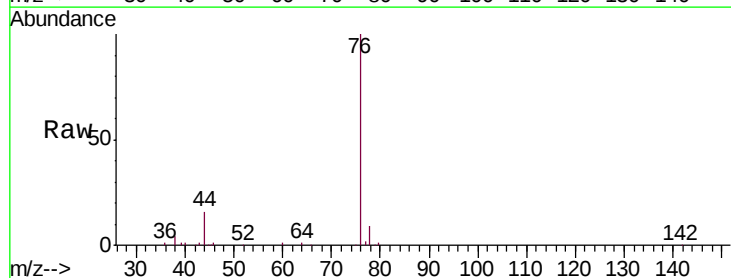
Acq: 11 Apr 2019 20:42

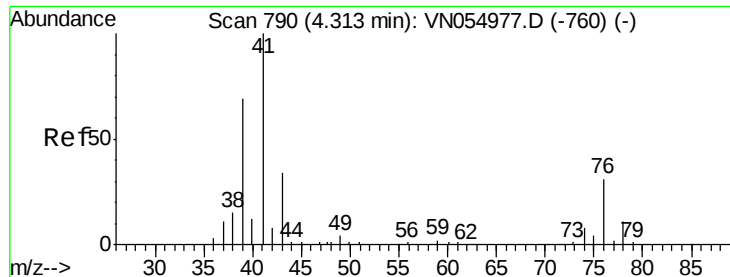
Tgt Ion: 76 Resp: 212050

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6





#17

Allyl chloride

Concen: 19.885 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

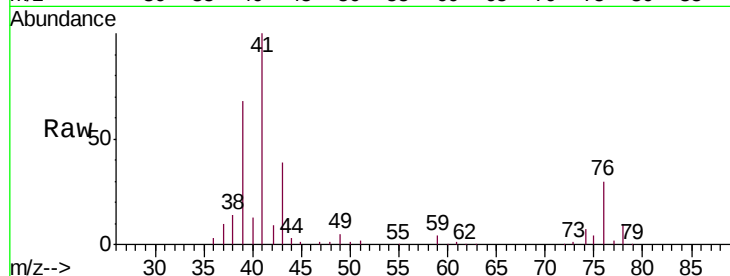
Tgt Ion: 41 Resp: 164437

Ion Ratio Lower Upper

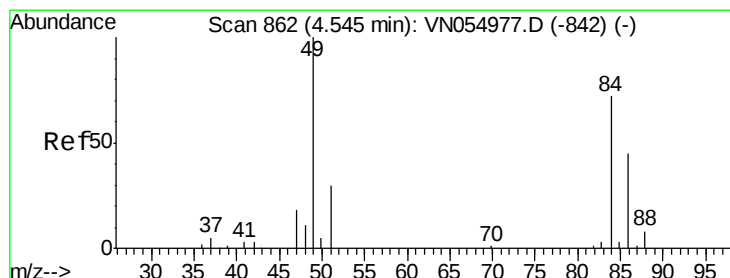
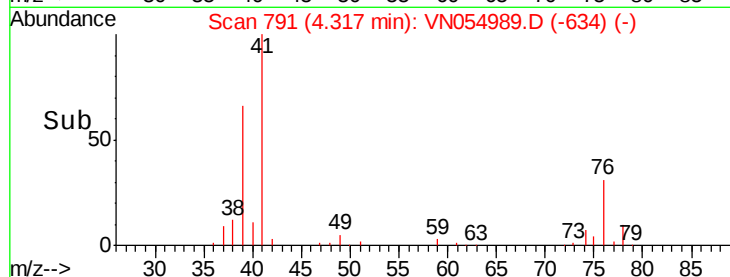
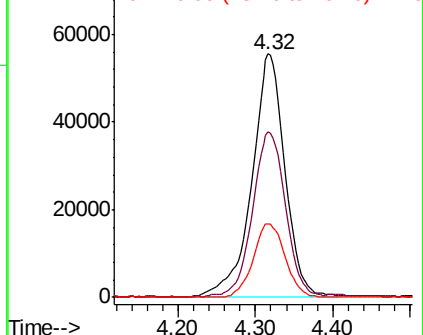
41 100

39 68.2 34.3 102.9

76 30.5 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 19.551 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Tgt Ion: 84 Resp: 97046

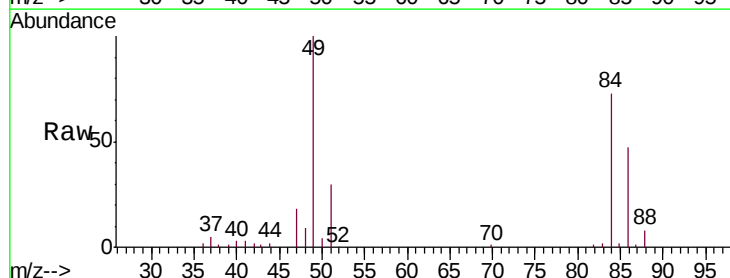
Ion Ratio Lower Upper

84 100

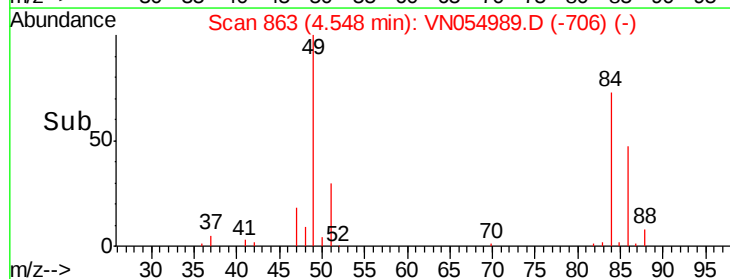
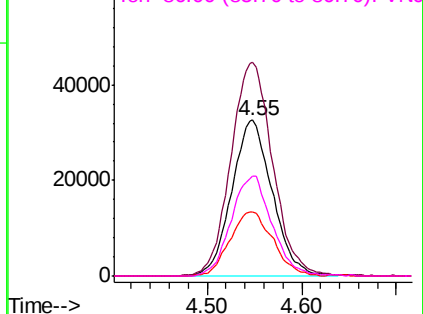
49 136.6 111.0 166.4

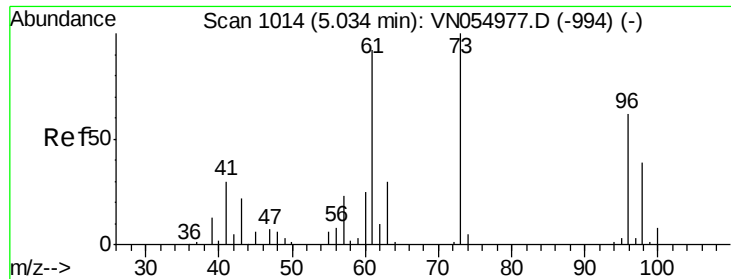
51 41.5 33.4 50.2

86 64.5 49.5 74.3



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

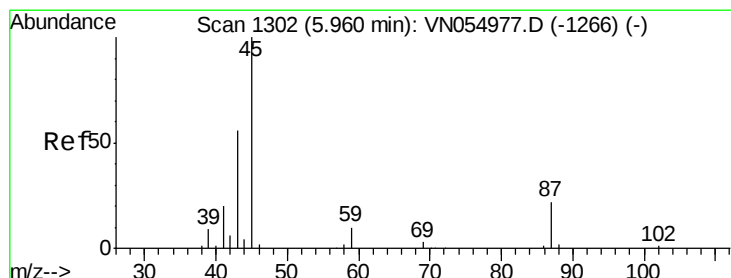
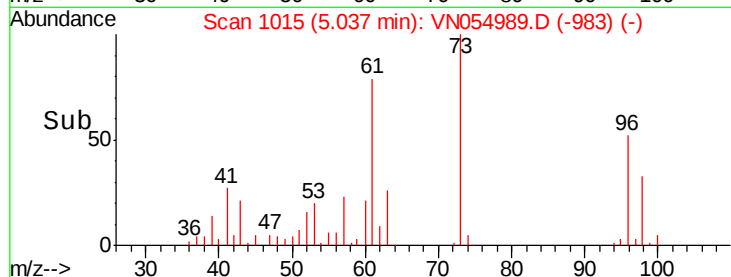
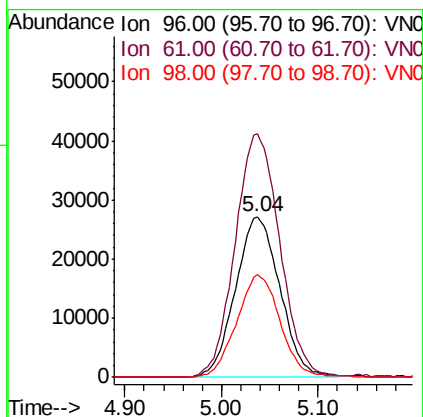
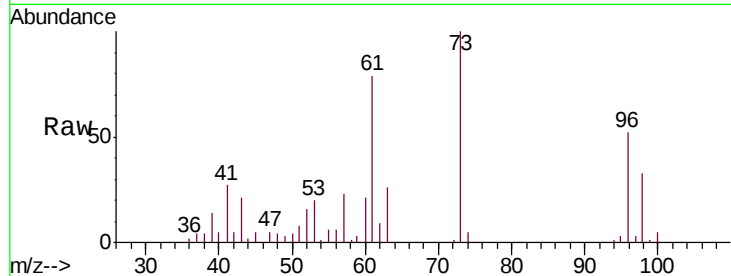




#19
trans-1,2-Dichloroethene
Concen: 19.893 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

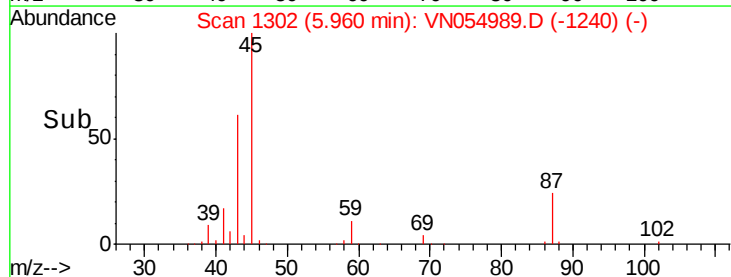
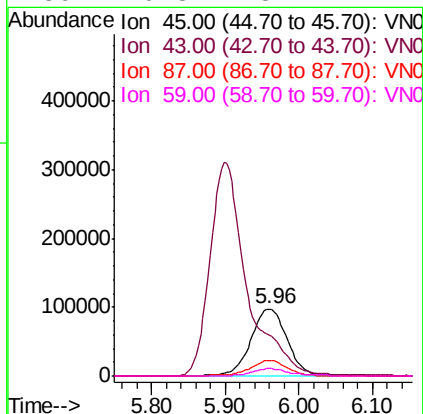
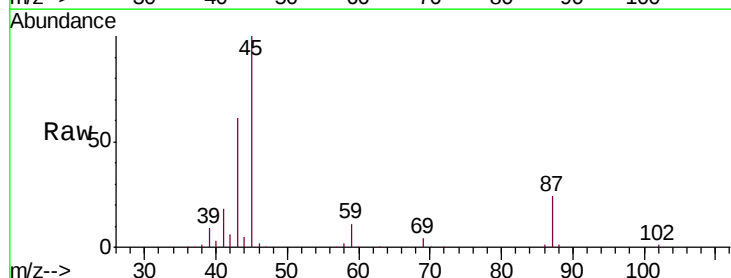
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

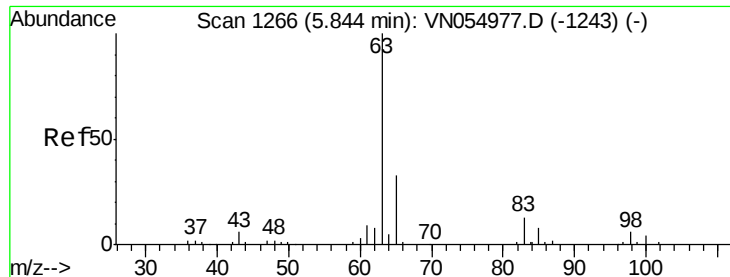
Tgt Ion: 96 Resp: 86958
Ion Ratio Lower Upper
96 100
61 151.2 117.2 175.8
98 64.0 49.4 74.2



#20
Diisopropyl ether
Concen: 20.106 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 45 Resp: 336828
Ion Ratio Lower Upper
45 100
43 58.9 45.8 68.8
87 23.7 18.2 27.4
59 10.8 8.2 12.2

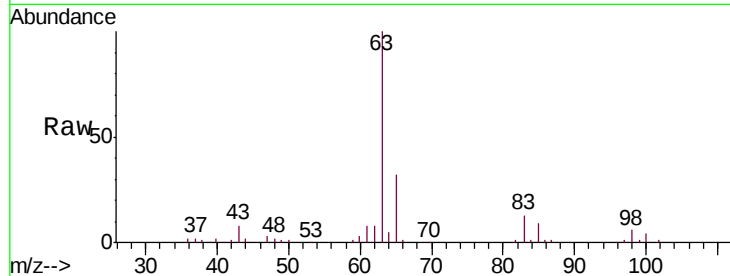




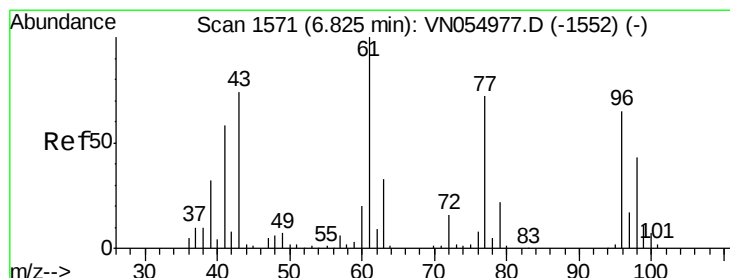
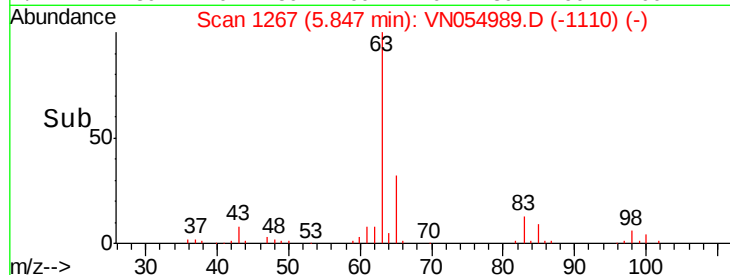
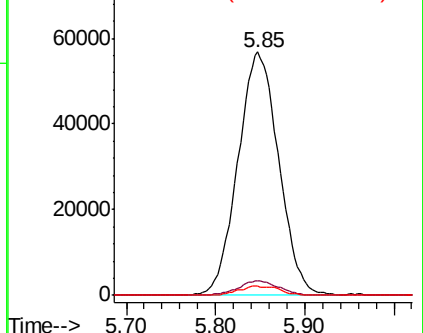
#21
 1,1-Dichloroethane
 Concen: 20.222 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 180942
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.7 2.0 5.8

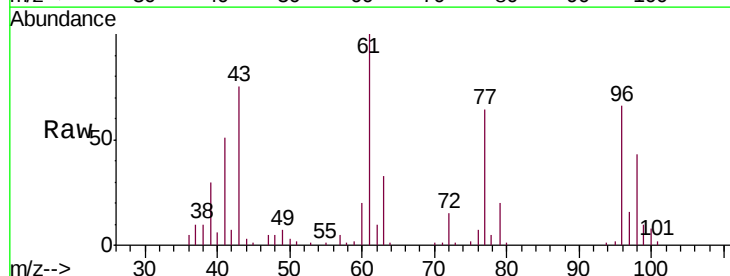


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

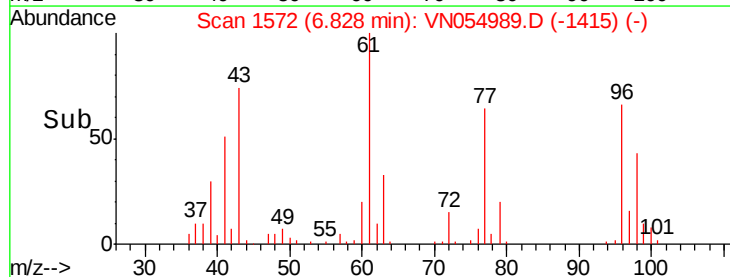
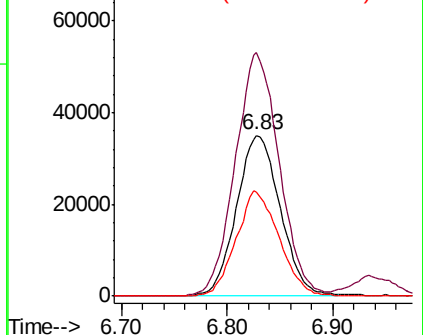


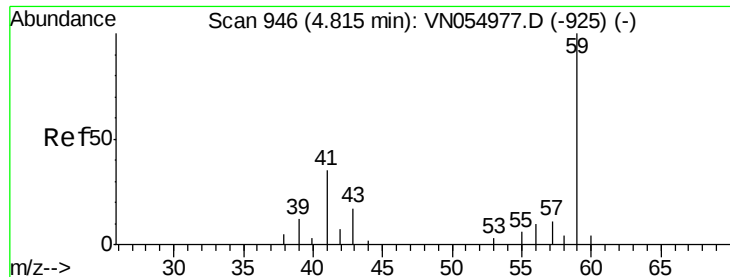
#22
 cis-1,2-Dichloroethene
 Concen: 19.750 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 96 Resp: 100350
 Ion Ratio Lower Upper
 96 100
 61 153.3 125.0 187.6
 98 64.5 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 102.623 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.01 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

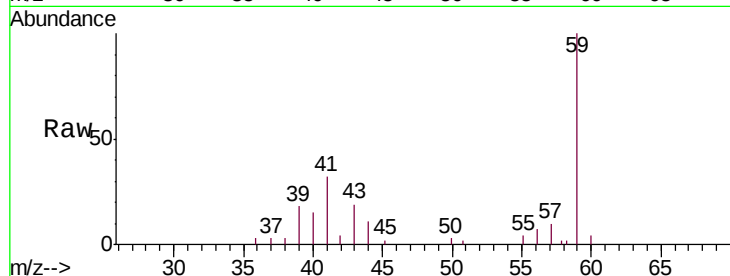
VSTDCCC020EC

Tgt Ion: 59 Resp: 27690

Ion Ratio Lower Upper

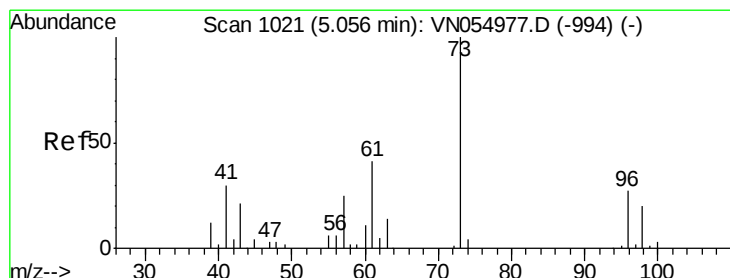
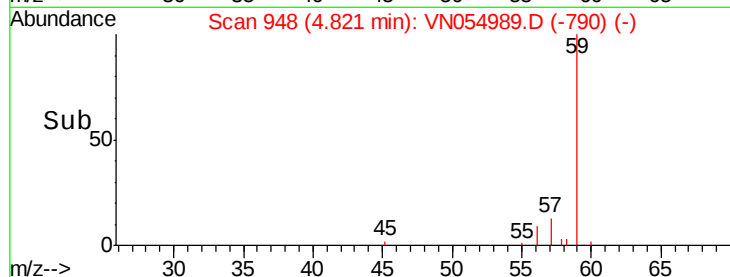
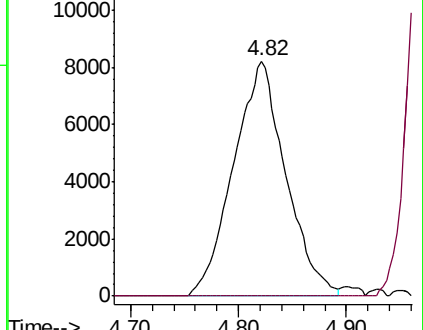
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN054977.D (-925) (-)

Ion 52.00 (51.70 to 52.70): VN054977.D (-925) (-)



#24

Methyl tert-Butyl Ether

Concen: 20.989 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VN054989.D

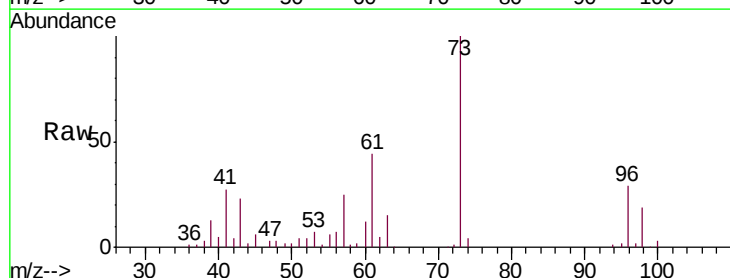
Acq: 11 Apr 2019 20:42

Tgt Ion: 73 Resp: 236657

Ion Ratio Lower Upper

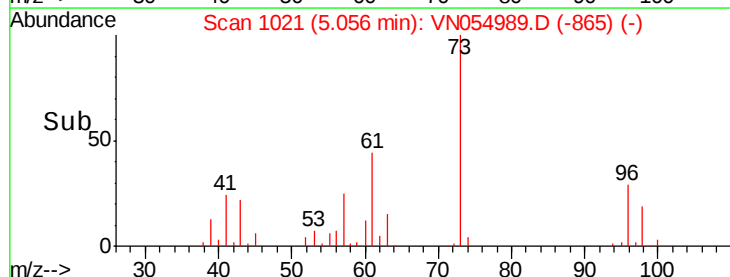
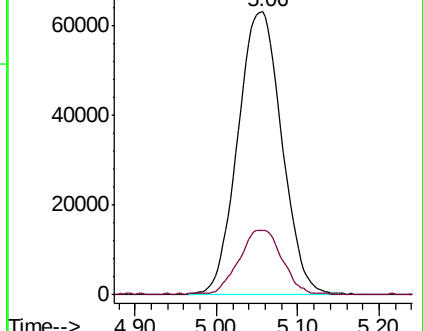
73 100

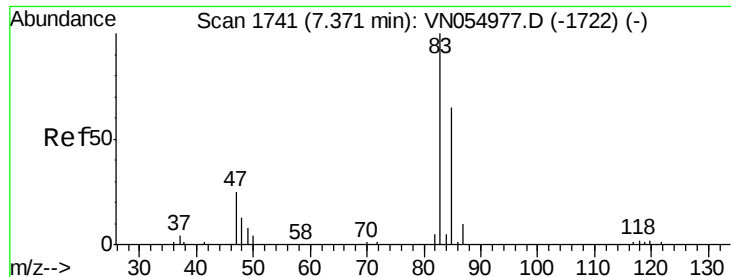
43 21.4 8.0 12.0#



Abundance Ion 73.00 (72.70 to 73.70): VN054977.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-994) (-)

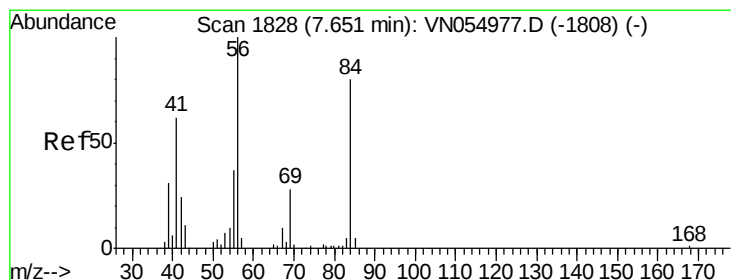
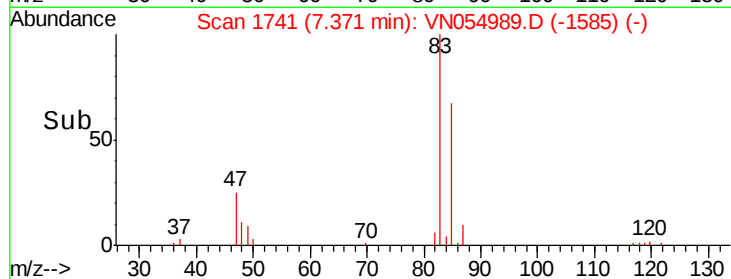
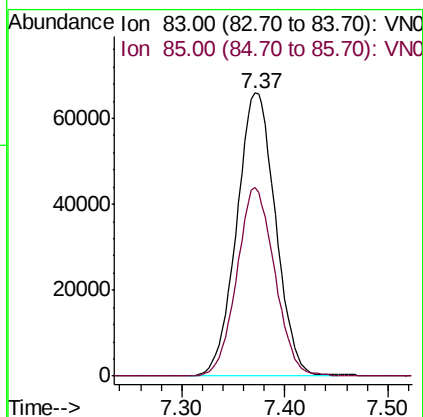
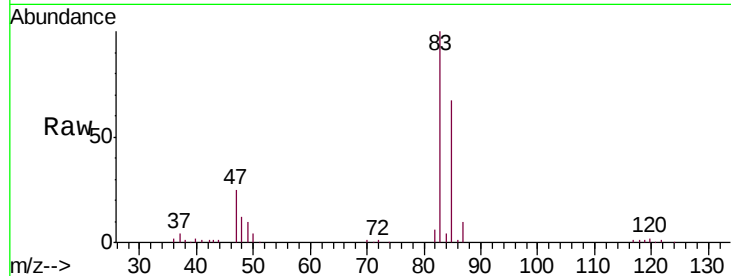




#25
Chloroform
Concen: 20.141 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

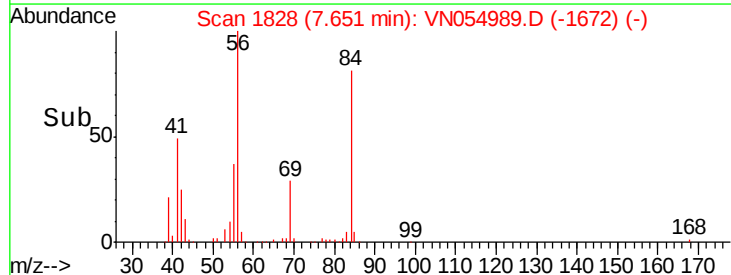
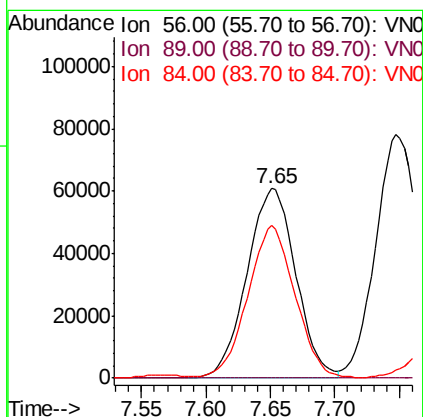
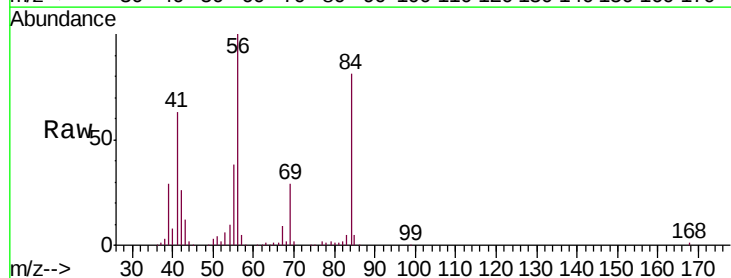
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

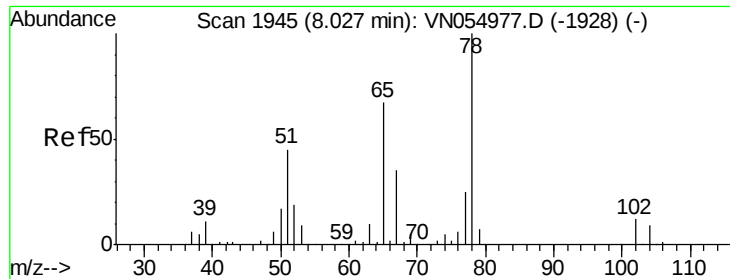
Tgt Ion: 83 Resp: 172630
Ion Ratio Lower Upper
83 100
85 66.9 51.8 77.8



#26
Cyclohexane
Concen: 19.334 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 56 Resp: 160514
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.9 63.5 95.3

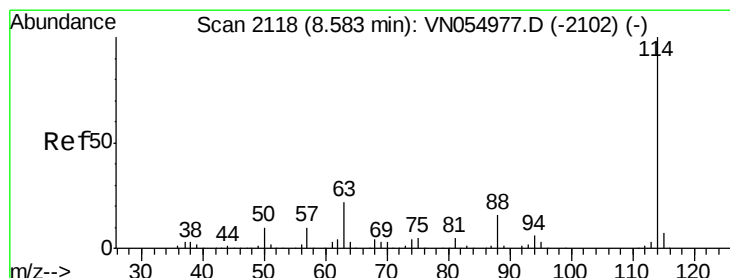
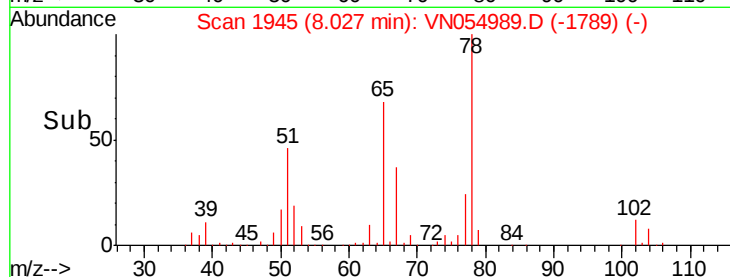
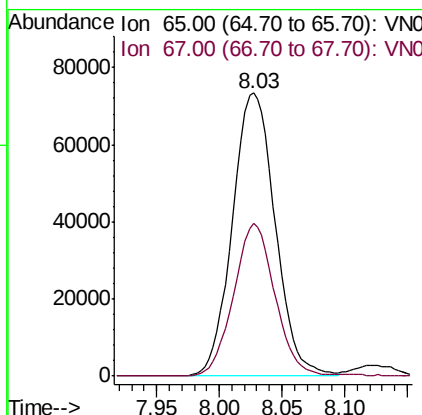
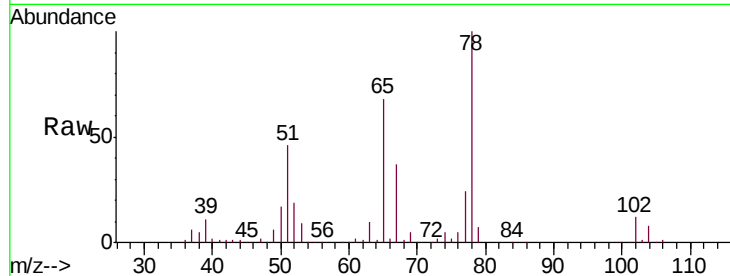




#27
 1,2-Dichloroethane-d4
 Concen: 19.334 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

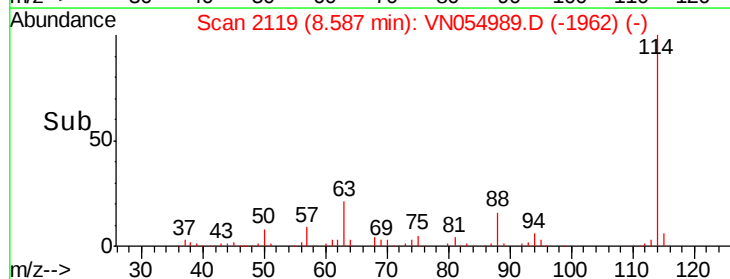
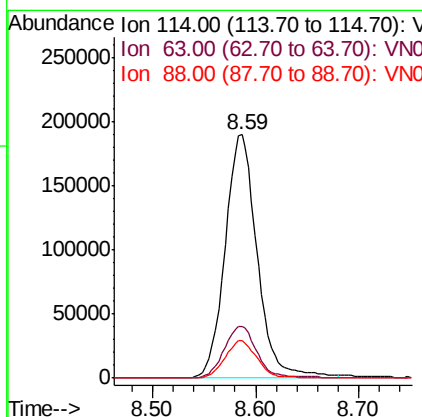
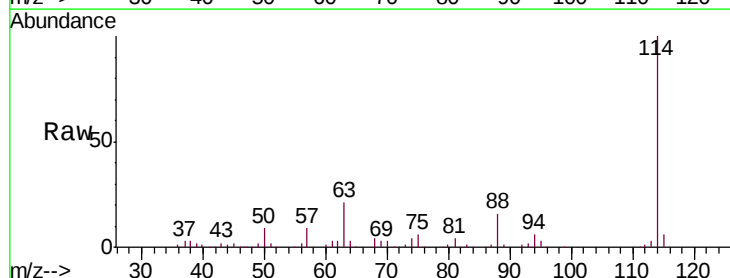
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

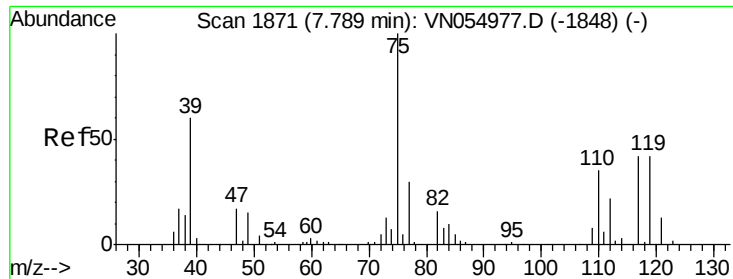
Tgt Ion: 65 Resp: 174358
 Ion Ratio Lower Upper
 65 100
 67 51.7 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 114 Resp: 413066
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.0 25.4
 88 15.0 12.3 18.5

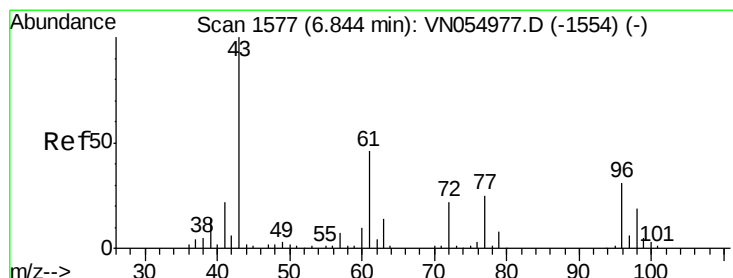
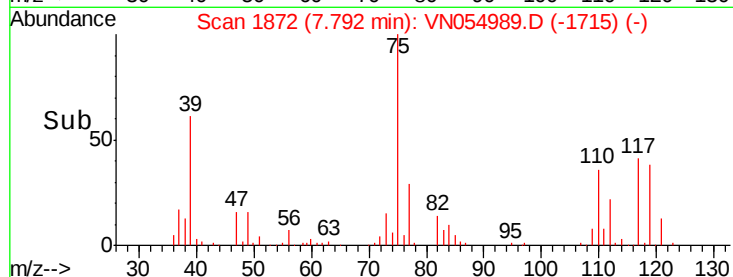
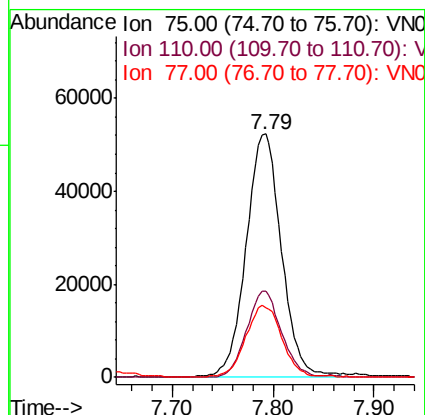
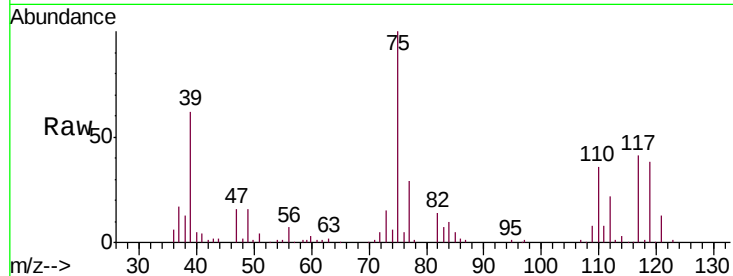




#29
 1,1-Dichloropropene
 Concen: 19.737 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

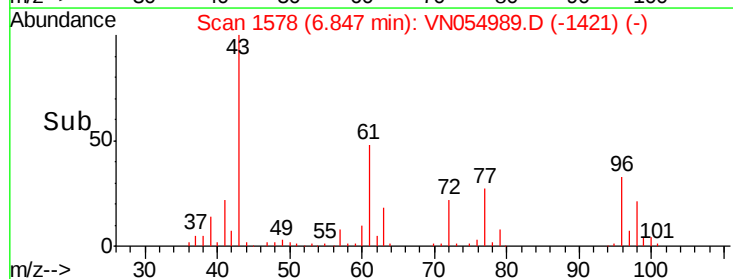
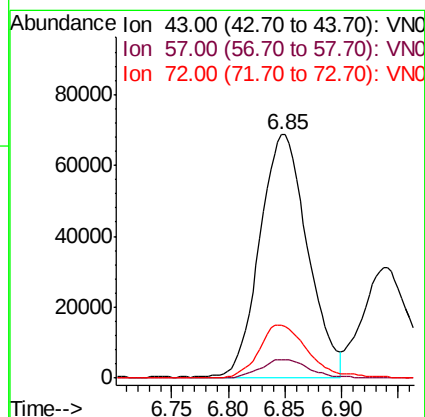
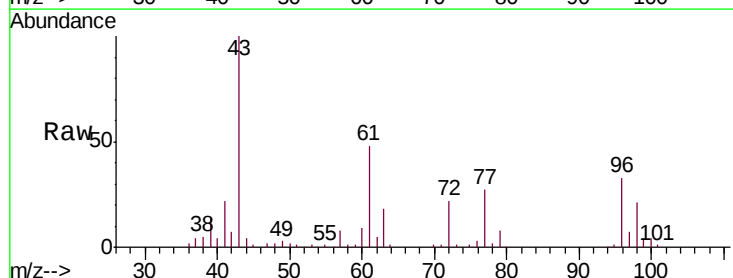
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

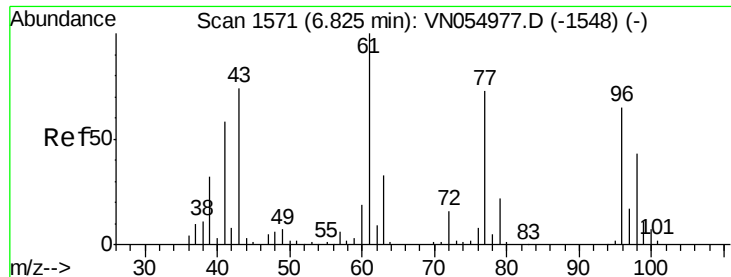
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	0.0	68.4
77	30.4	0.0	58.6



#30
 2-Butanone
 Concen: 93.850 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.0	9.0
72	22.4	18.6	27.8

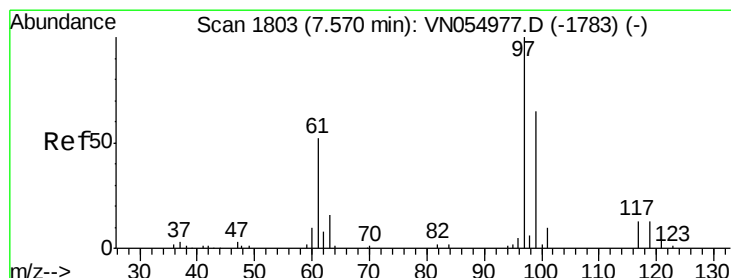
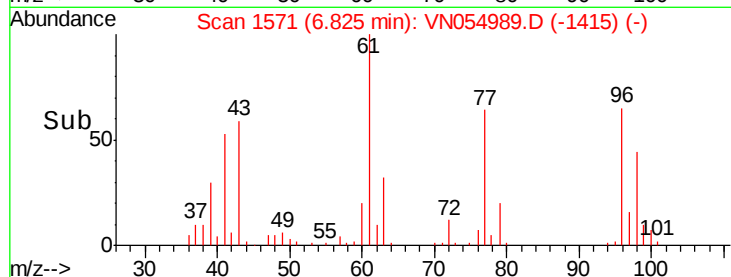
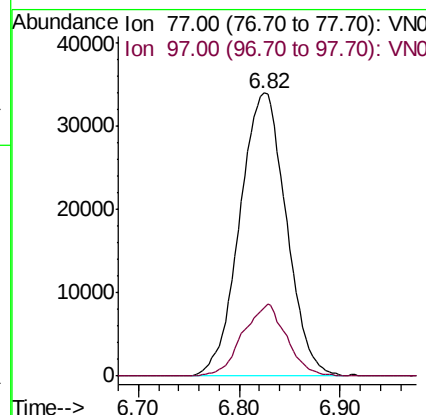
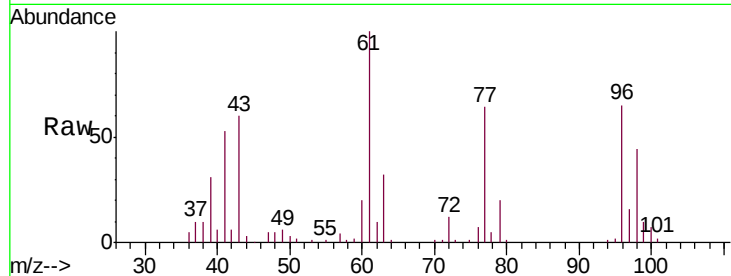




#31
 2,2-Dichloropropane
 Concen: 18.331 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

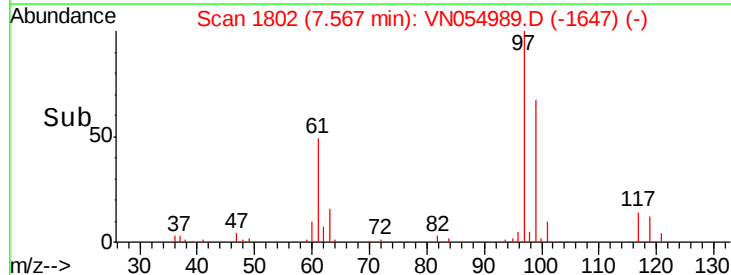
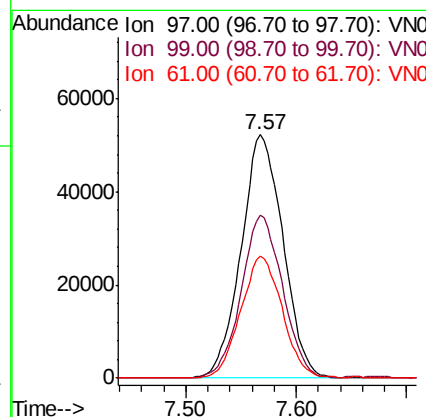
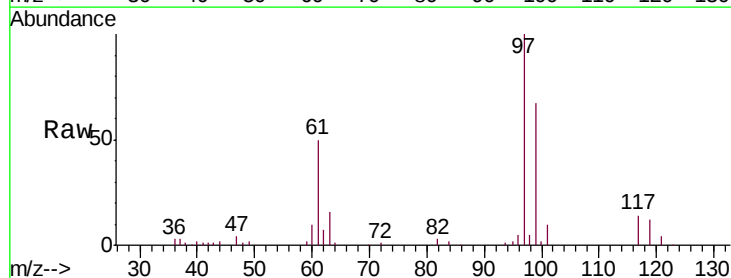
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

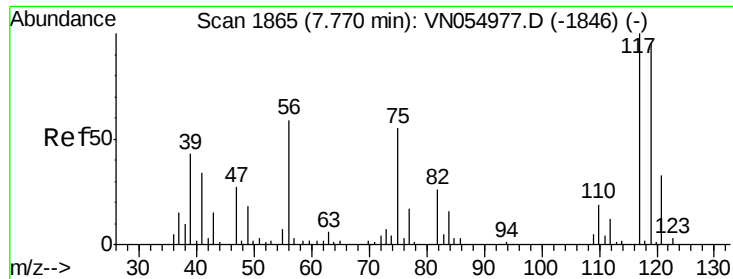
Tgt Ion: 77 Resp: 108538
 Ion Ratio Lower Upper
 77 100
 97 23.7 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.260 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 97 Resp: 137757
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.2 76.8
 61 49.5 40.6 60.8

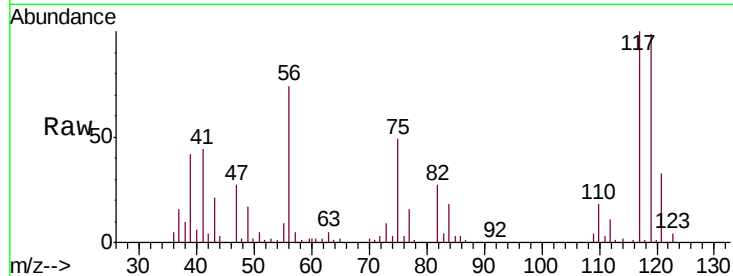




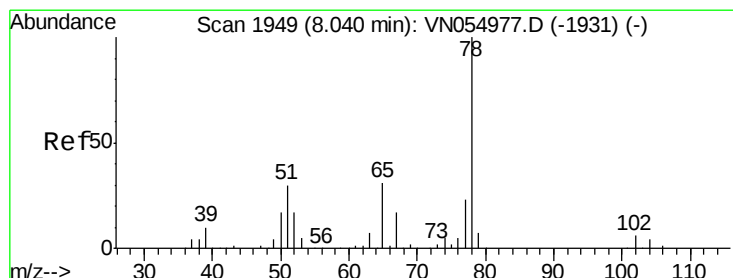
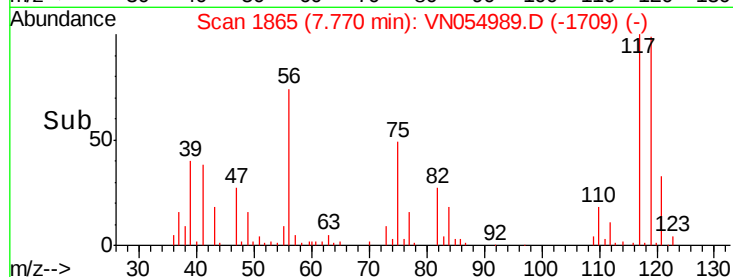
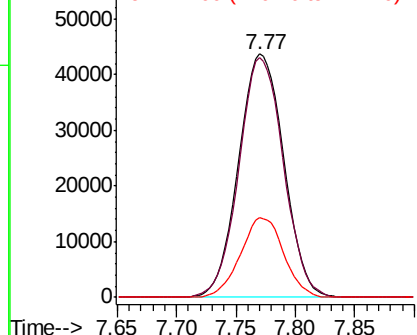
#33
Carbon Tetrachloride
Concen: 19.523 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 114933
Ion Ratio Lower Upper
117 100
119 98.6 76.1 114.1
121 32.7 26.2 39.4

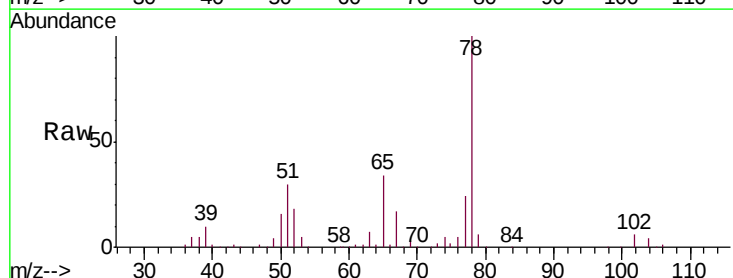


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

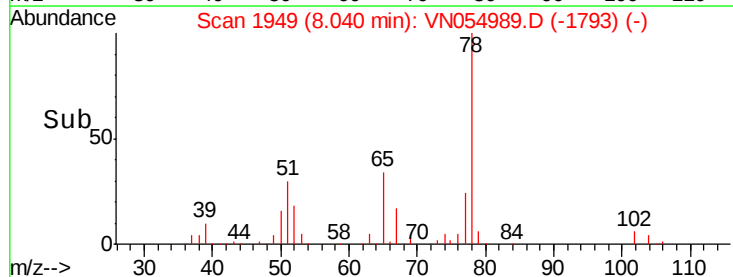
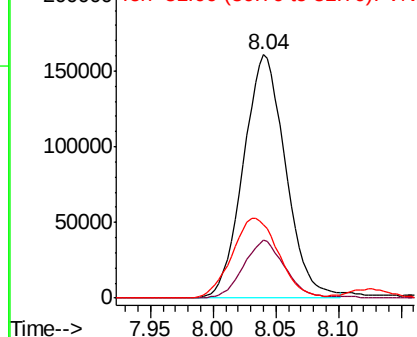


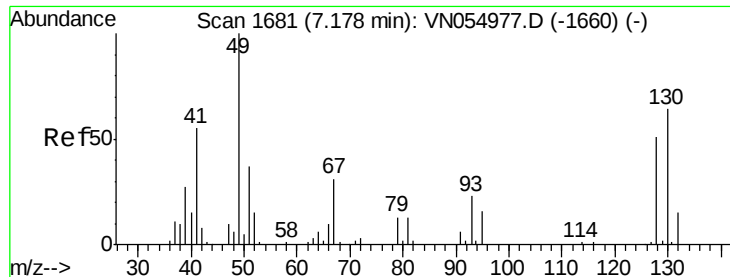
#34
Benzene
Concen: 19.803 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 78 Resp: 377524
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.4
51 30.1 23.7 35.5



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

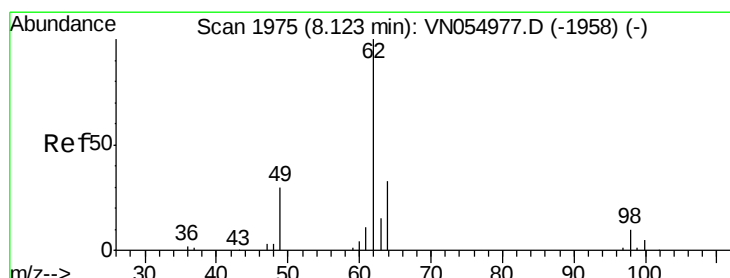
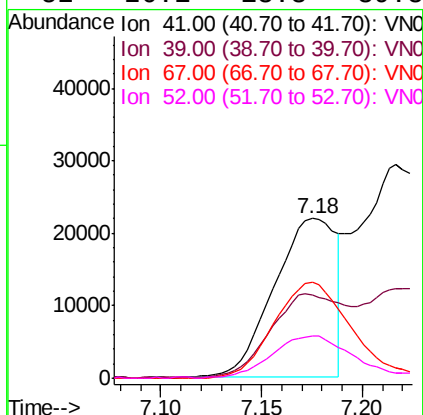
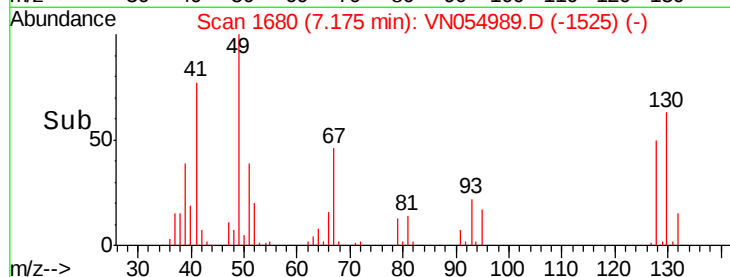
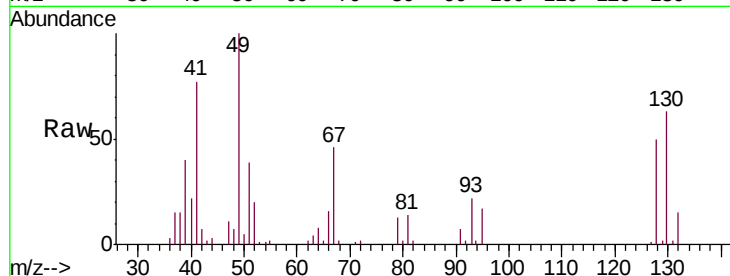




#35
Methacrylonitrile
Concen: 18.494 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

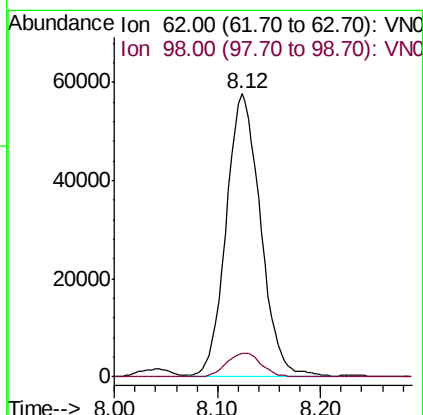
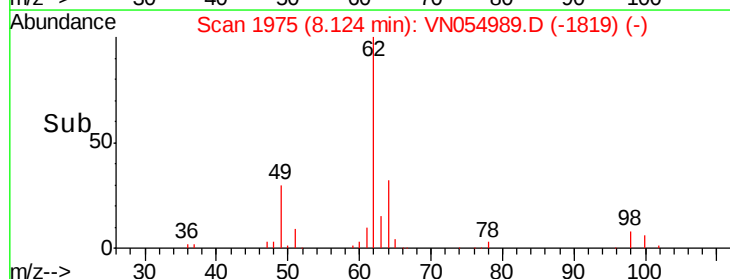
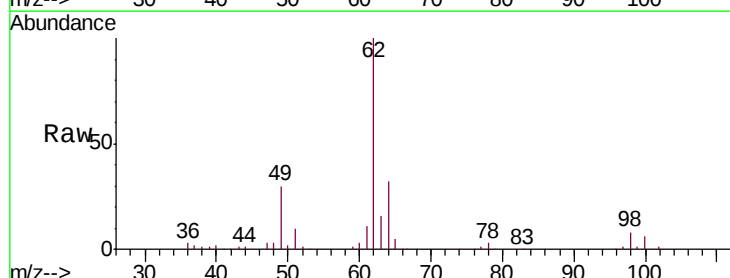
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

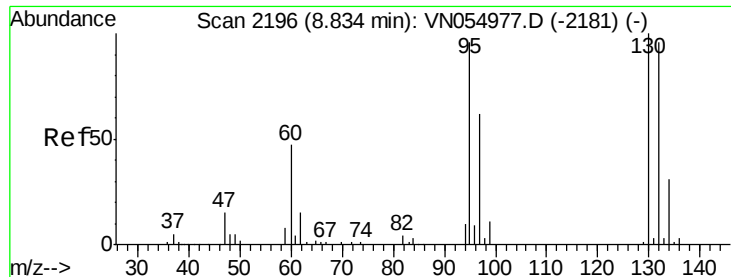
Tgt Ion:	41	Resp:	46546
Ion	Ratio	Lower	Upper
41	100		
39	51.3	24.2	72.6
67	60.9	28.1	84.2
52	26.1	13.3	39.8



#36
1,2-Dichloroethane
Concen: 20.418 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion:	62	Resp:	133032
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.9	10.3

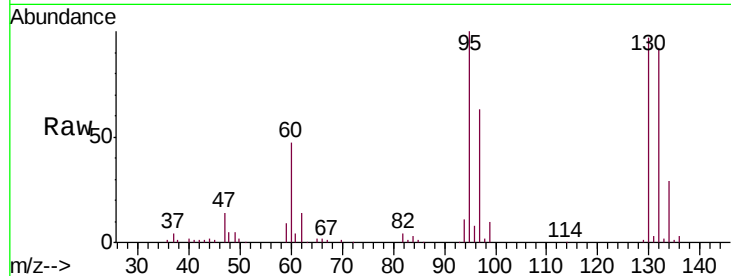




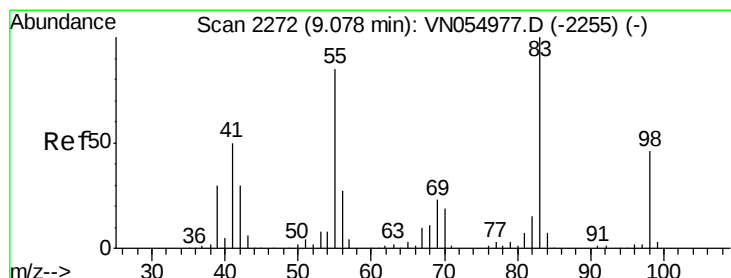
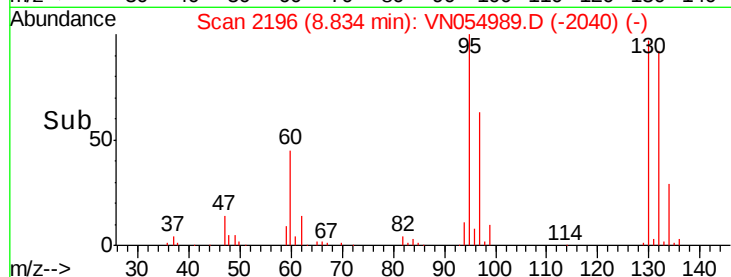
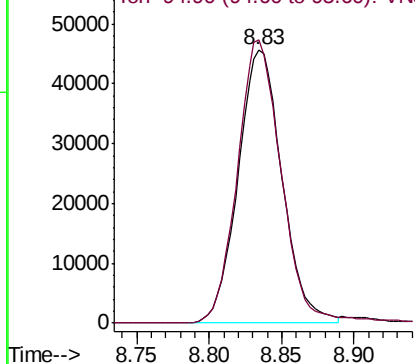
#37
 Trichloroethene
 Concen: 19.878 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 96605
 Ion Ratio Lower Upper
 130 100
 95 103.6 76.6 115.0

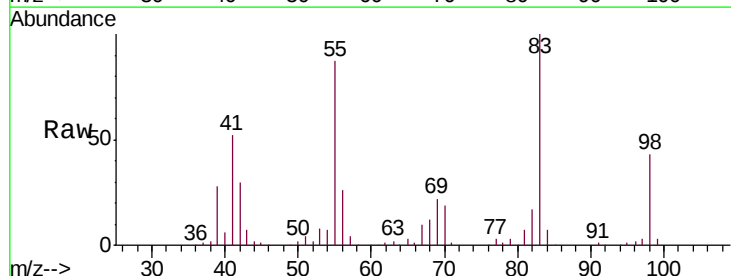


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

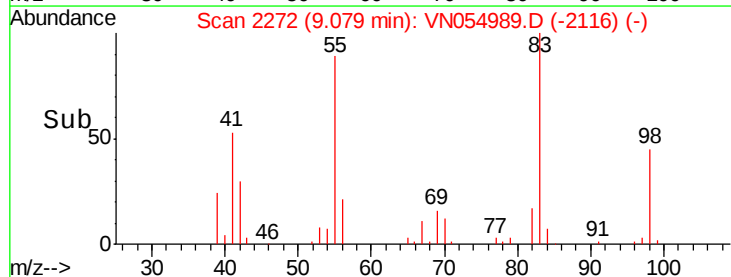
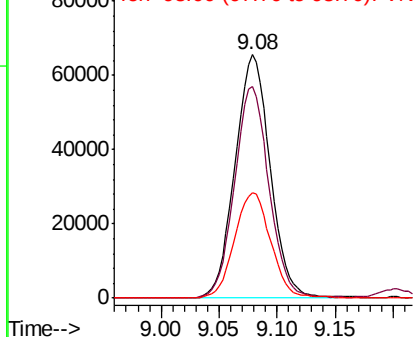


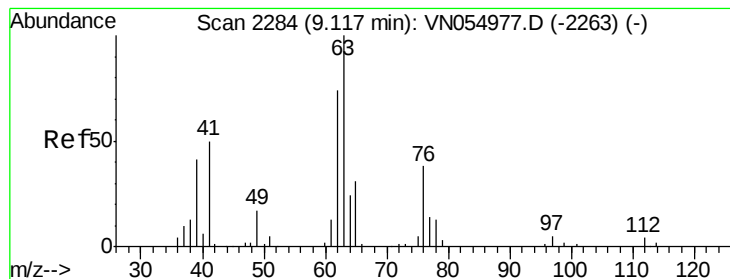
#38
 Methylcyclohexane
 Concen: 18.536 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 83 Resp: 138285
 Ion Ratio Lower Upper
 83 100
 55 85.3 41.9 125.6
 98 44.5 22.4 67.0



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





#39

1,2-Dichloropropane

Concen: 20.161 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

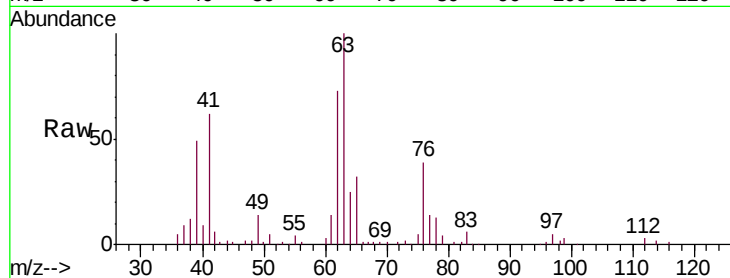
VSTDCCC020EC

Tgt Ion: 63 Resp: 106125

Ion Ratio Lower Upper

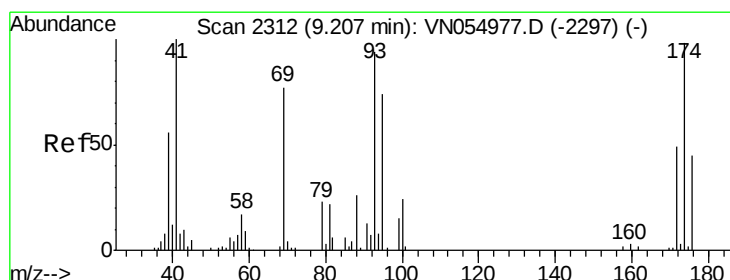
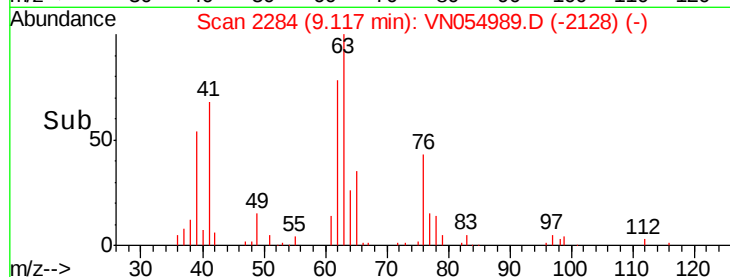
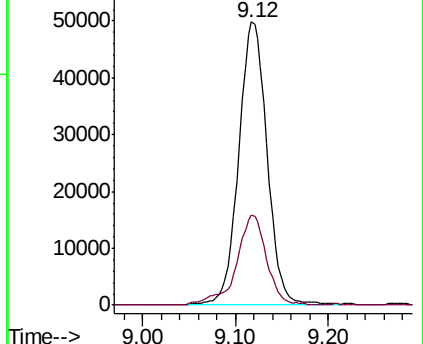
63 100

65 31.3 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.223 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

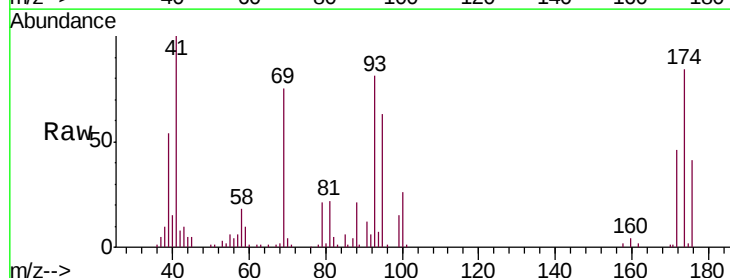
Tgt Ion: 93 Resp: 60169

Ion Ratio Lower Upper

93 100

95 80.2 0.0 160.8

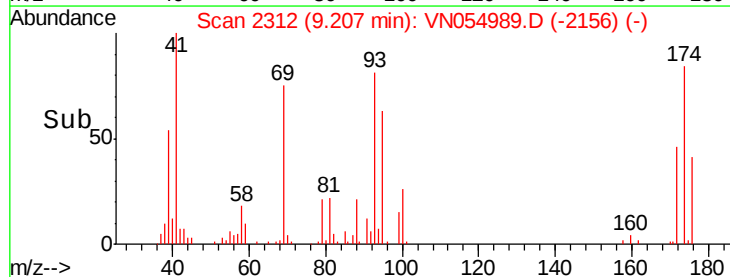
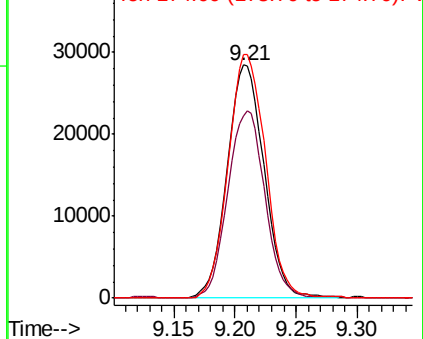
174 104.9 0.0 206.4

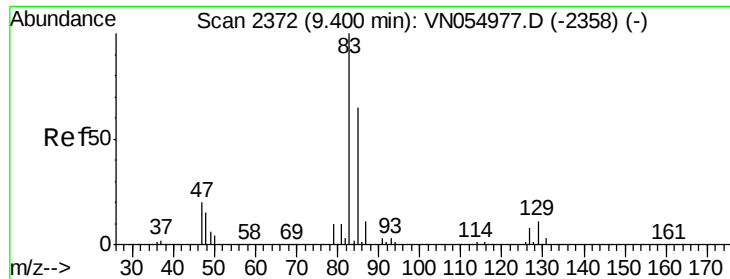


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

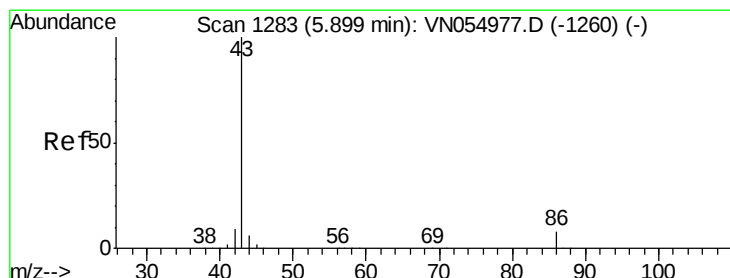
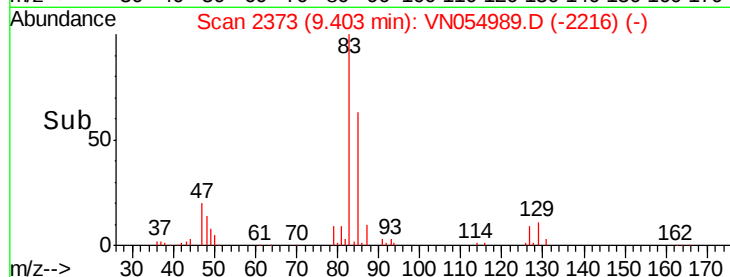
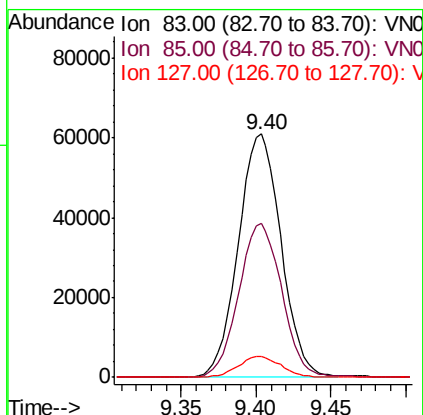
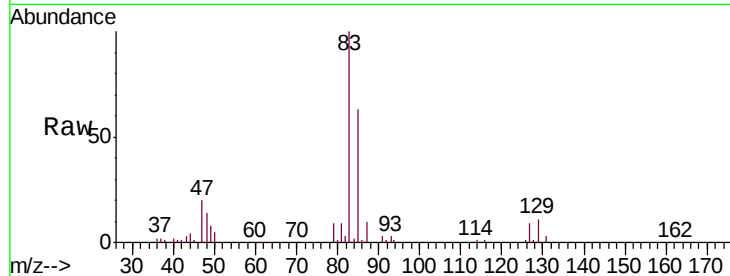




#41
Bromodichloromethane
Concen: 19.752 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

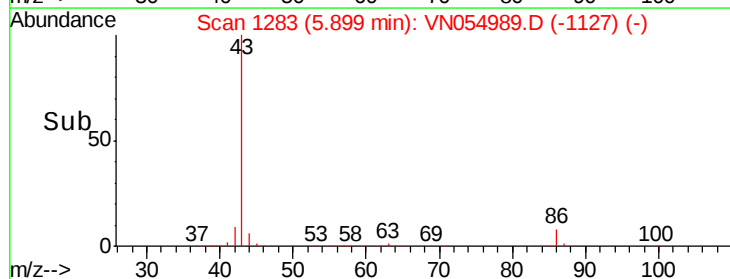
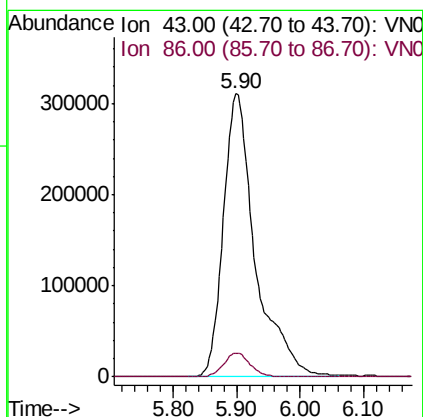
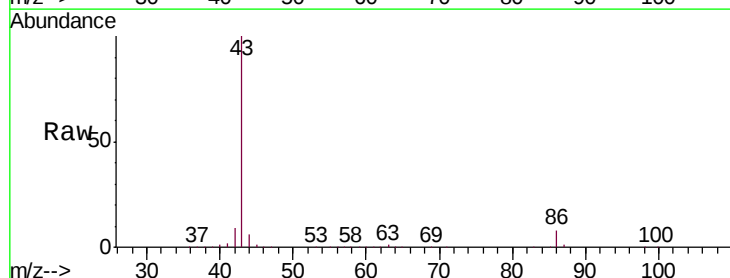
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

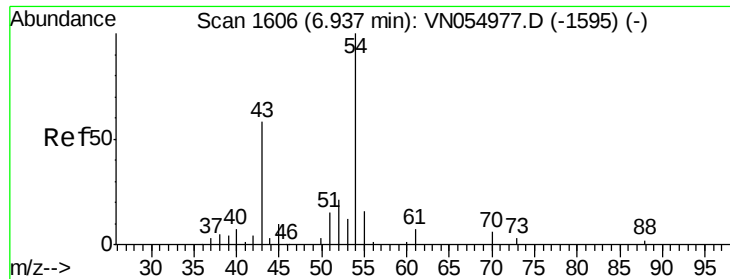
Tgt Ion: 83 Resp: 121292
Ion Ratio Lower Upper
83 100
85 63.2 52.0 78.0
127 8.7 7.2 10.8



#42
Vinyl Acetate
Concen: 100.457 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 43 Resp: 1084484
Ion Ratio Lower Upper
43 100
86 7.0 5.7 8.5





#43

Ethyl Acetate

Concen: 19.895 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

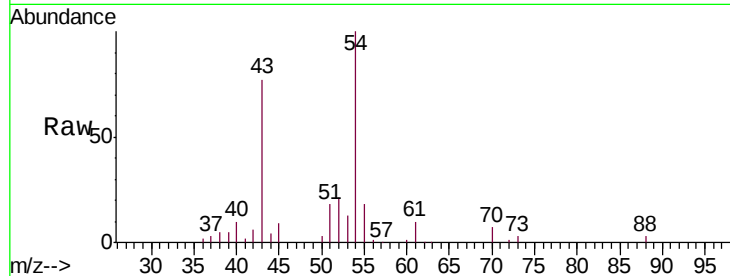
VSTDCCC020EC

Tgt Ion: 43 Resp: 86548

Ion Ratio Lower Upper

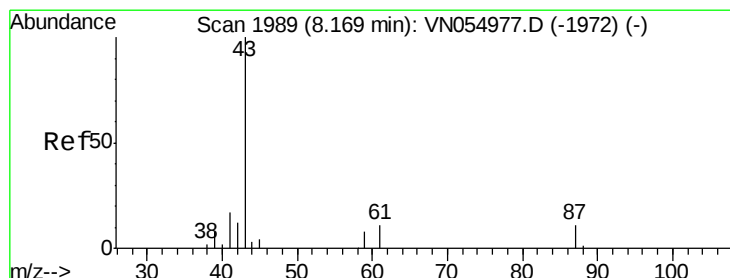
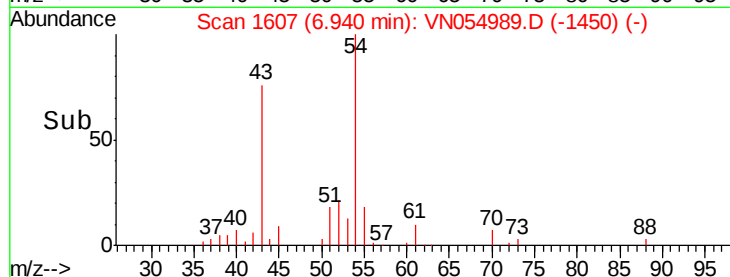
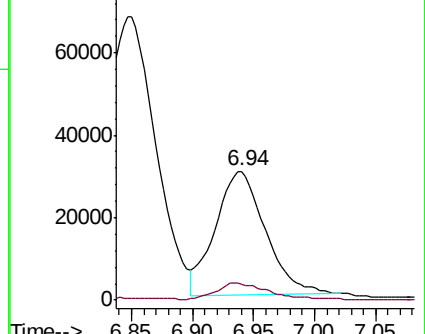
43 100

45 13.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.223 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054989.D

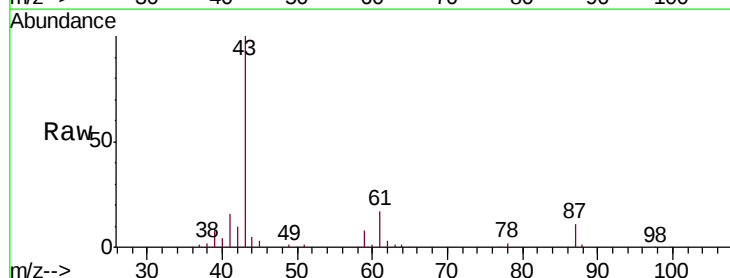
Acq: 11 Apr 2019 20:42

Tgt Ion: 43 Resp: 149092

Ion Ratio Lower Upper

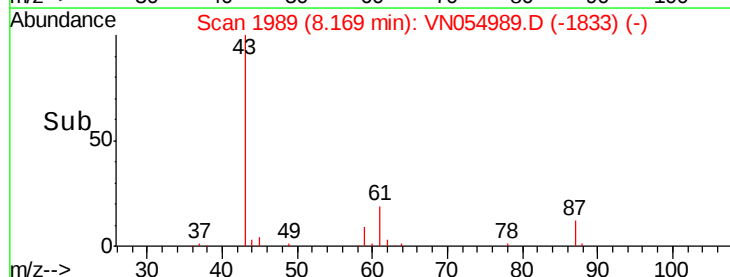
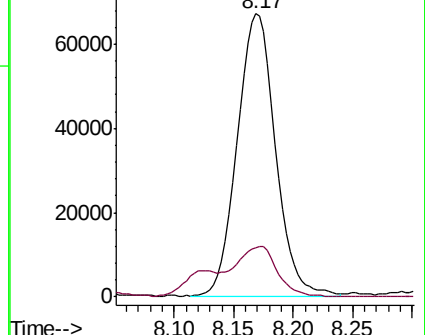
43 100

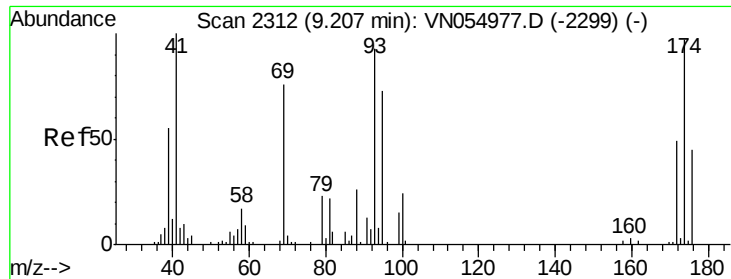
61 17.9 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

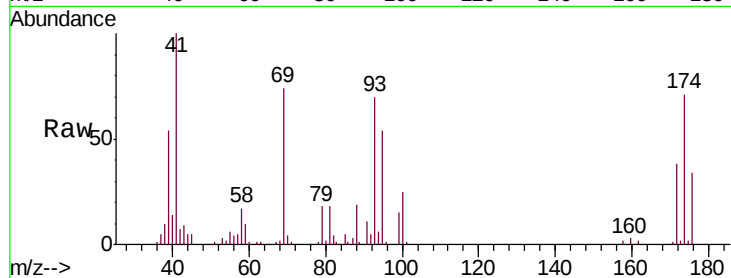




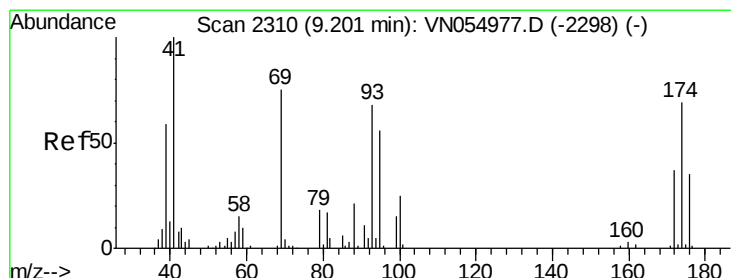
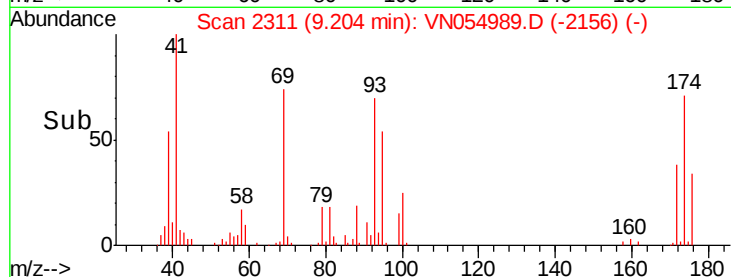
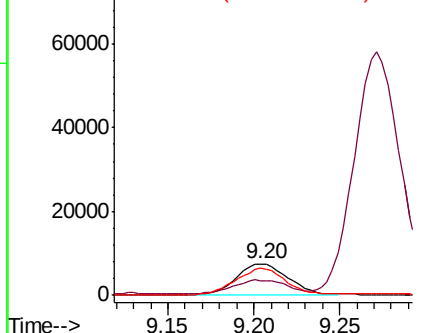
#45
 1,4-Dioxane
 Concen: 390.368 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 88 Resp: 15944
 Ion Ratio Lower Upper
 88 100
 43 26.9 34.5 51.7#
 58 83.5 60.3 90.5

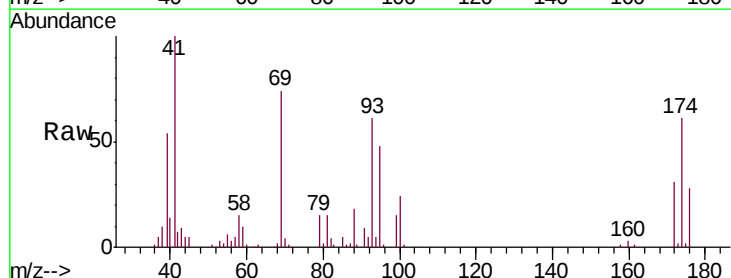


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

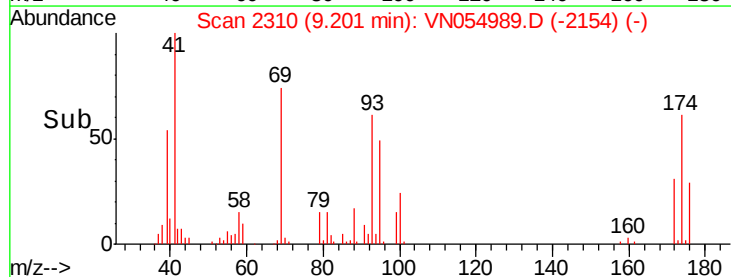
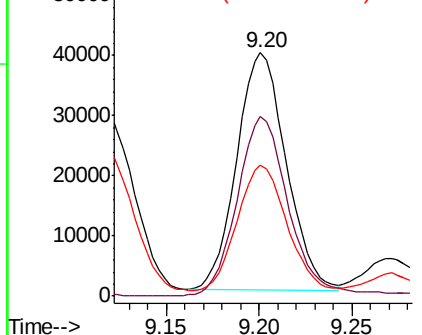


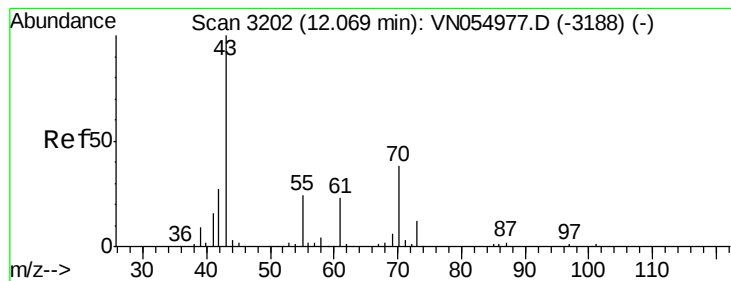
#46
 Methyl methacrylate
 Concen: 19.144 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 41 Resp: 73009
 Ion Ratio Lower Upper
 41 100
 69 75.1 37.3 111.9
 39 53.3 29.4 88.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 19.623 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

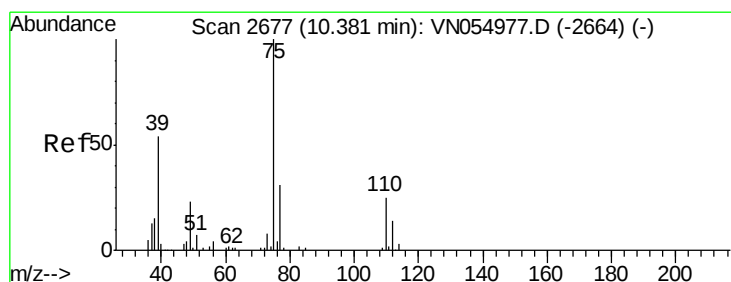
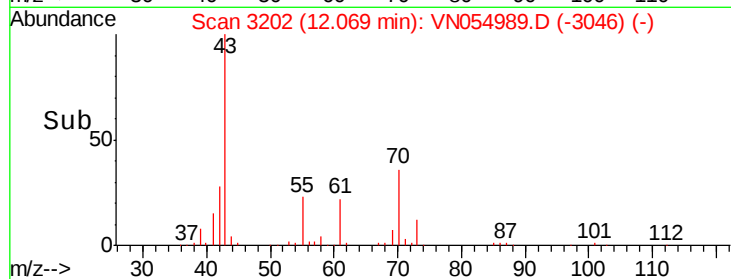
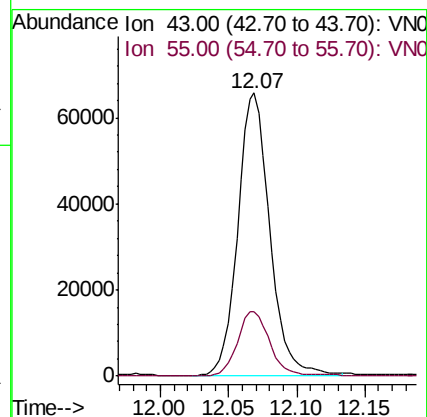
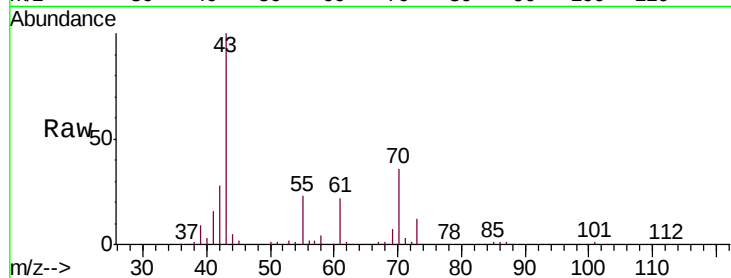
VSTDCCC020EC

Tgt Ion: 43 Resp: 106553

Ion Ratio Lower Upper

43 100

55 23.2 19.8 29.6



#48

t-1,3-Dichloropropene

Concen: 18.639 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054989.D

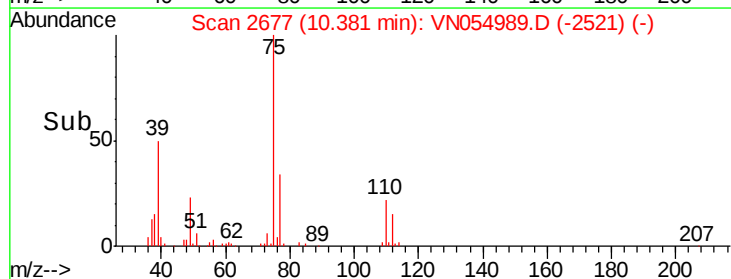
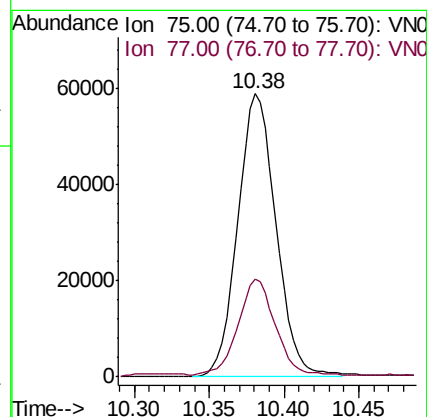
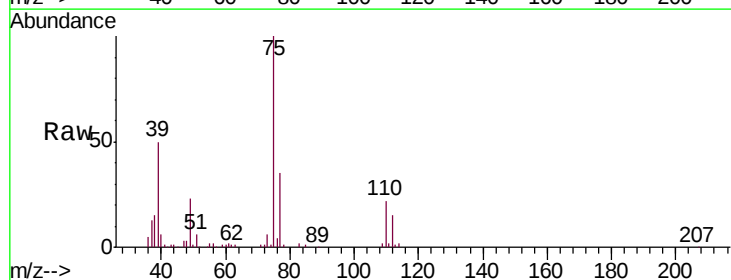
Acq: 11 Apr 2019 20:42

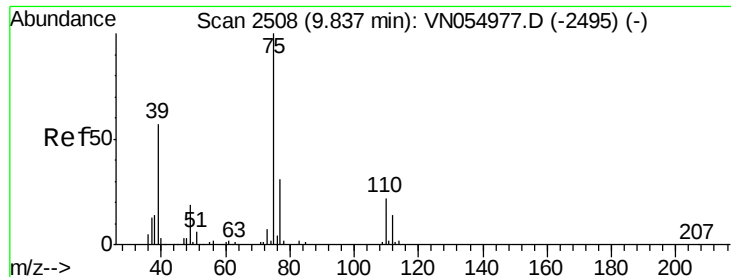
Tgt Ion: 75 Resp: 105103

Ion Ratio Lower Upper

75 100

77 33.7 24.6 37.0

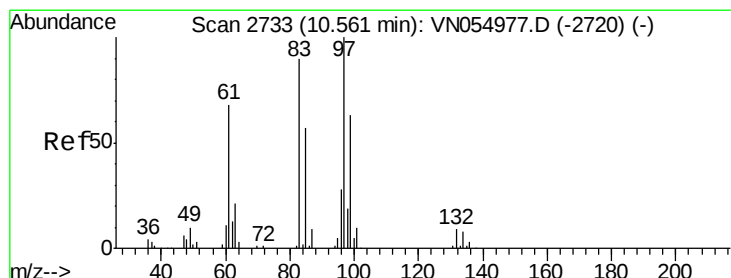
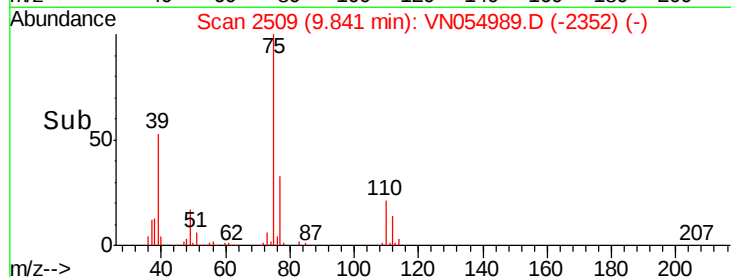
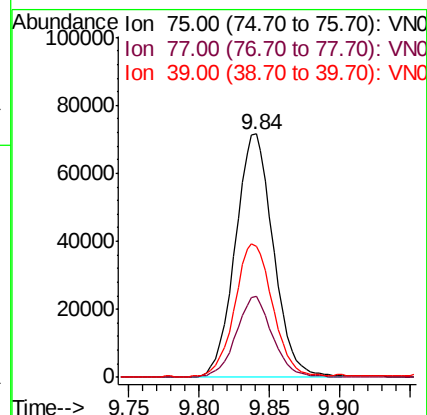
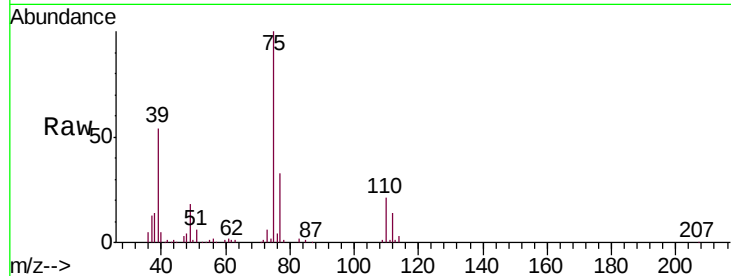




#49
 cis-1,3-Dichloropropene
 Concen: 19.422 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

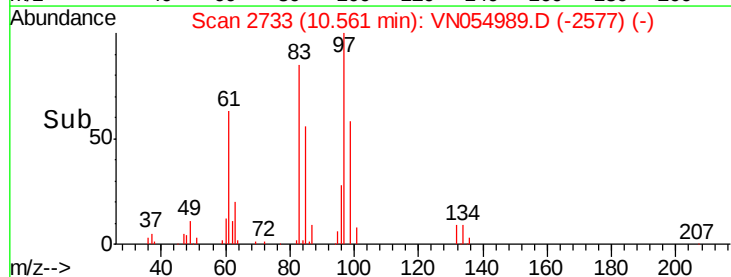
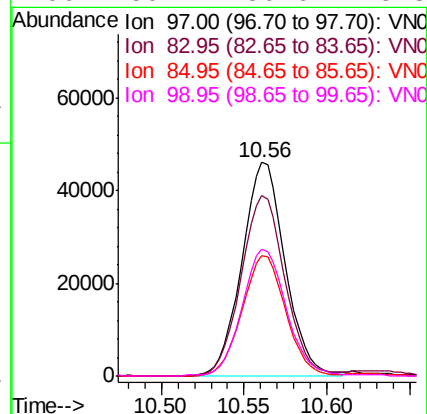
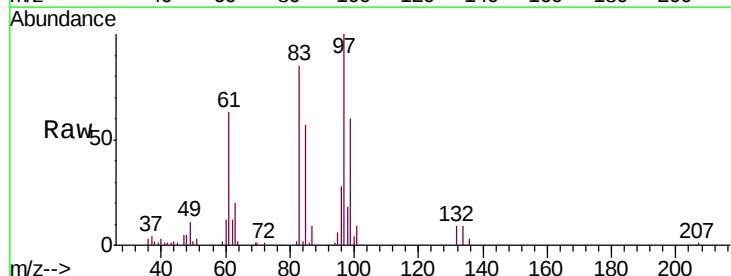
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

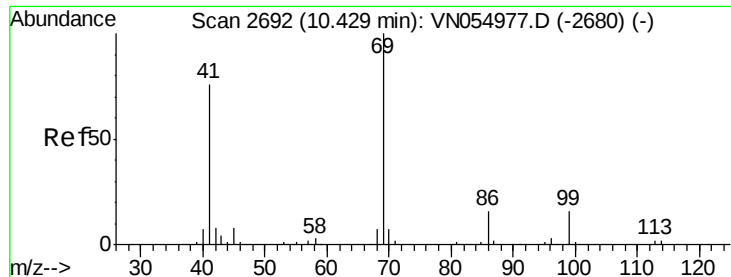
Tgt Ion: 75 Resp: 135199
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.7 37.1
 39 53.5 45.3 67.9



#50
 1,1,2-Trichloroethane
 Concen: 20.651 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 97 Resp: 83454
 Ion Ratio Lower Upper
 97 100
 83 84.8 72.1 108.1
 85 56.5 45.4 68.0
 99 59.2 50.6 75.8





#51

Ethyl methacrylate

Concen: 19.695 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

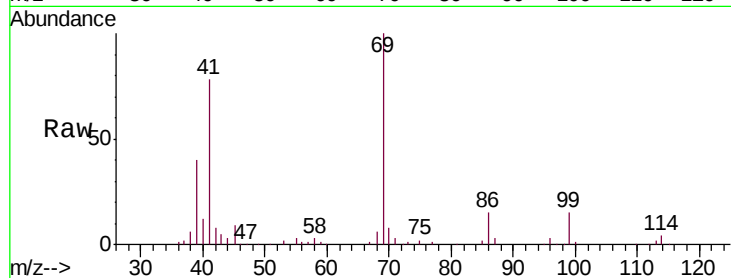
Tgt Ion: 69 Resp: 94876

Ion Ratio Lower Upper

69 100

41 77.0 37.9 113.7

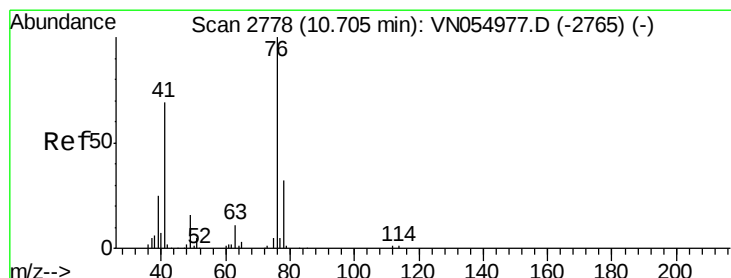
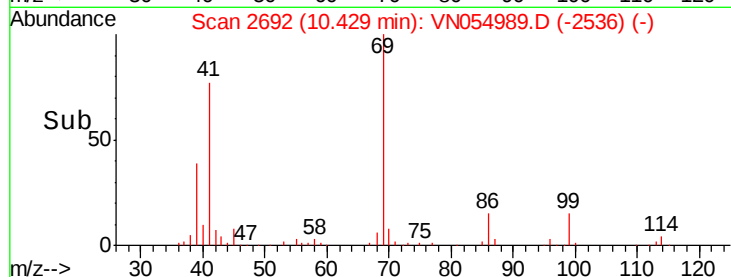
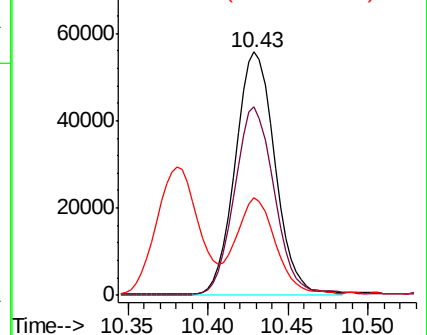
39 39.0 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VN054977.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN054977.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-2680) (-)



#52

1,3-Dichloropropane

Concen: 20.302 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054989.D

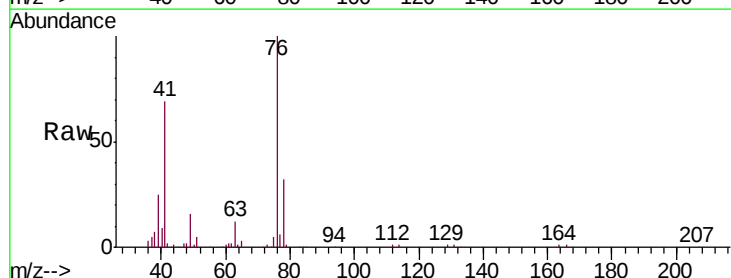
Acq: 11 Apr 2019 20:42

Tgt Ion: 76 Resp: 143766

Ion Ratio Lower Upper

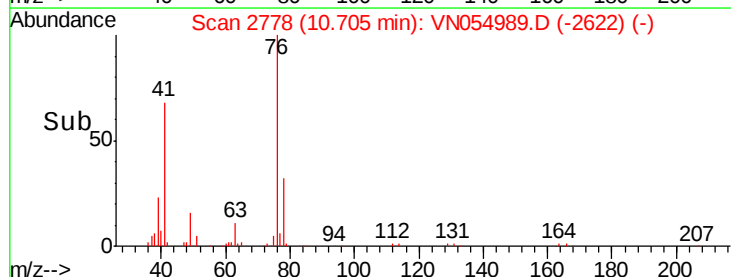
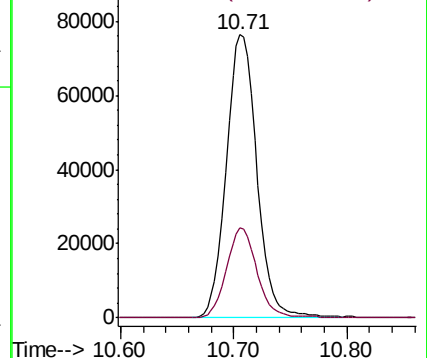
76 100

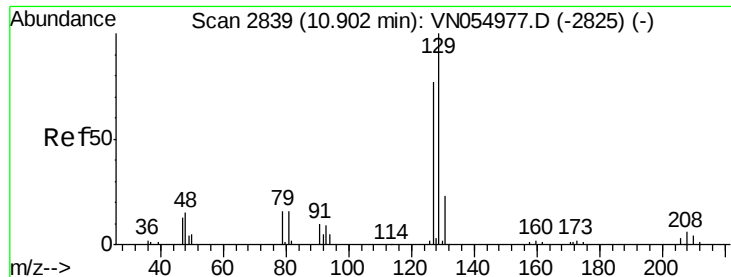
78 31.8 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-2765) (-)

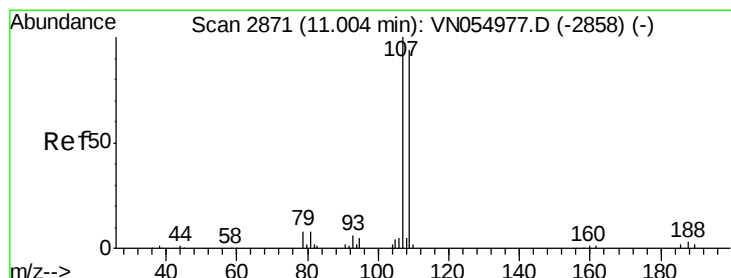
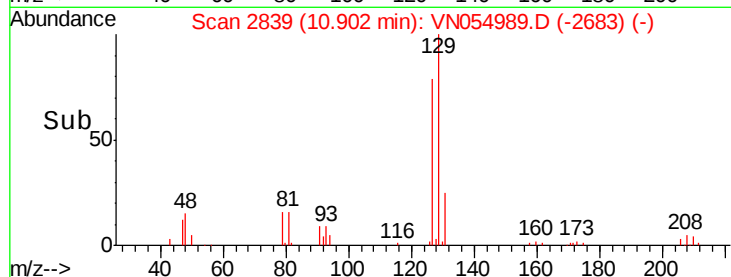
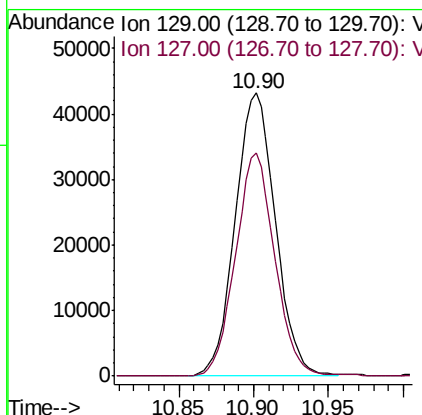
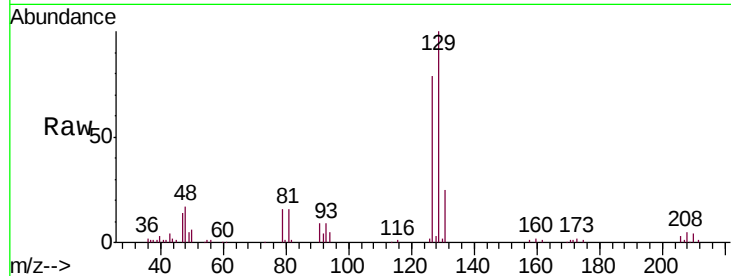




#53
 Dibromochloromethane
 Concen: 19.414 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

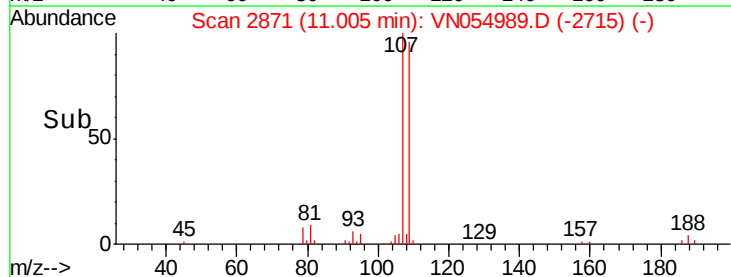
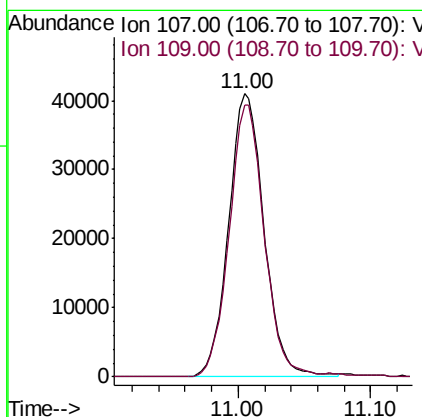
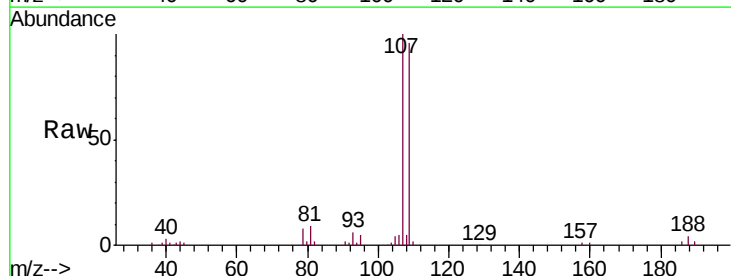
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

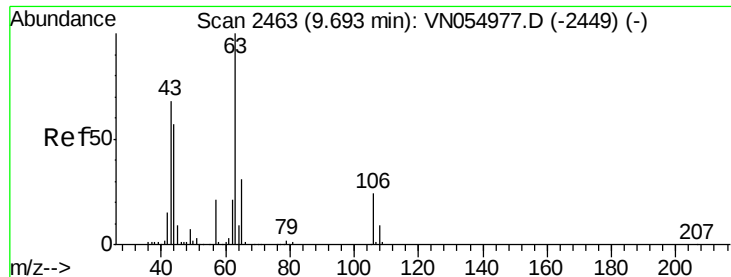
Tgt Ion:129 Resp: 80814
 Ion Ratio Lower Upper
 129 100
 127 76.7 37.8 113.3



#54
 1,2-Dibromoethane
 Concen: 20.013 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:107 Resp: 75928
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.2

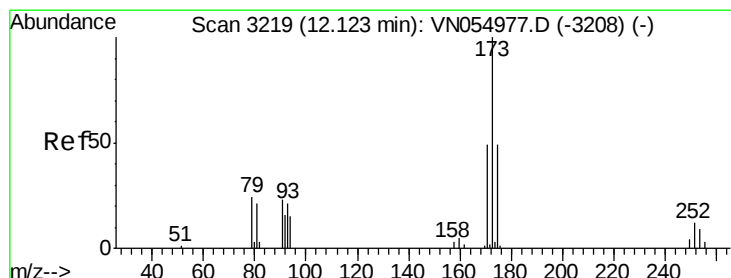
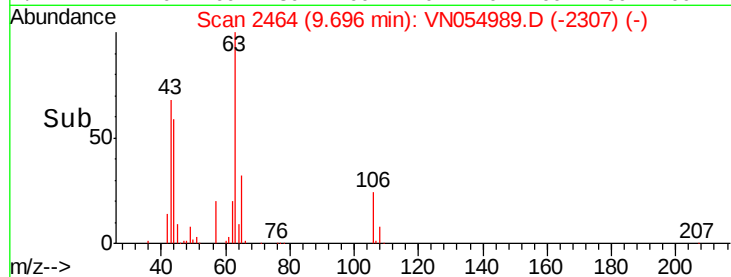
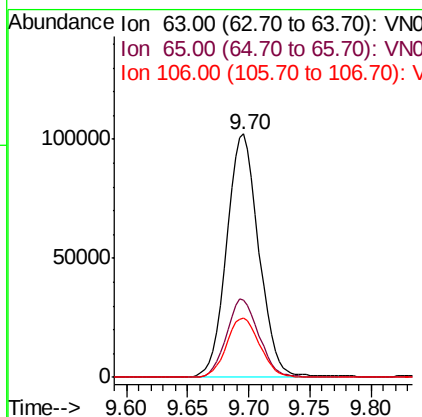
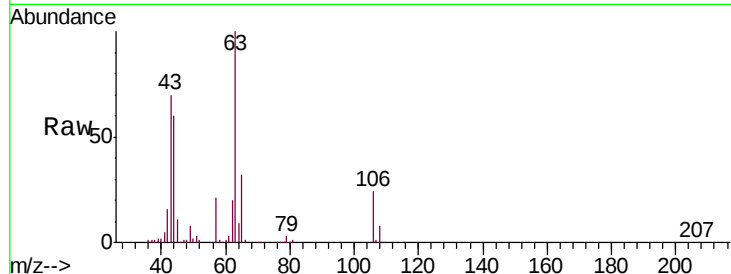




#55
 2-Chloroethyl vinyl ether
 Concen: 93.746 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

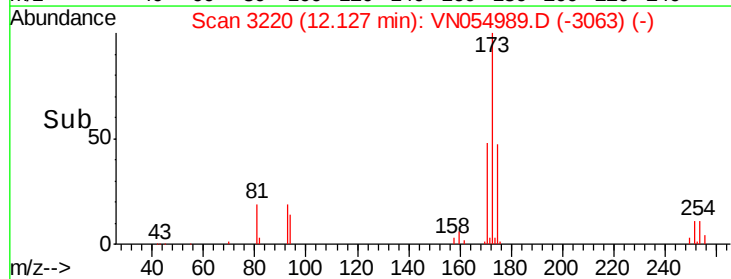
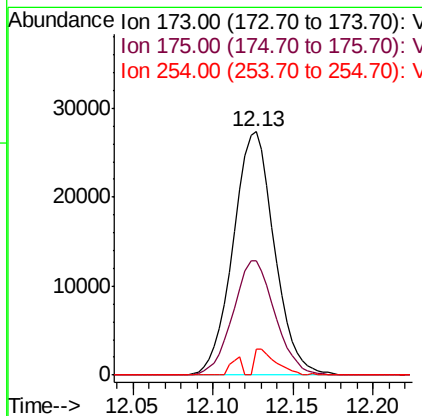
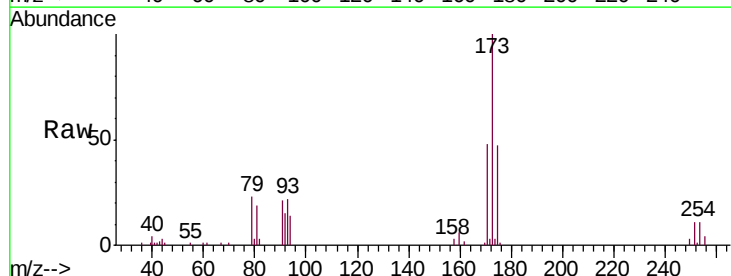
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

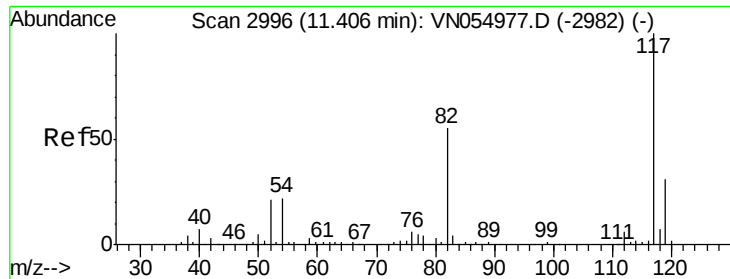
Tgt Ion: 63 Resp: 188797
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.0
 106 25.0 19.8 29.6



#56
 Bromoform
 Concen: 18.374 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 173 Resp: 48060
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.6 57.8
 254 5.7 6.8 10.2#

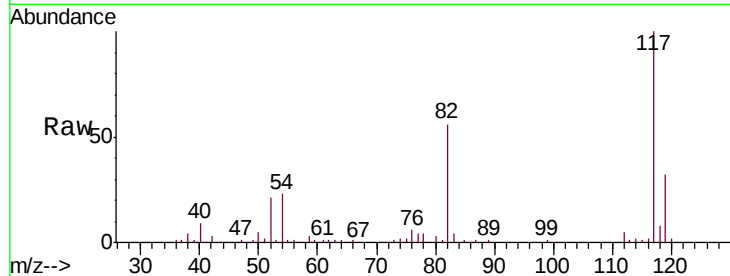




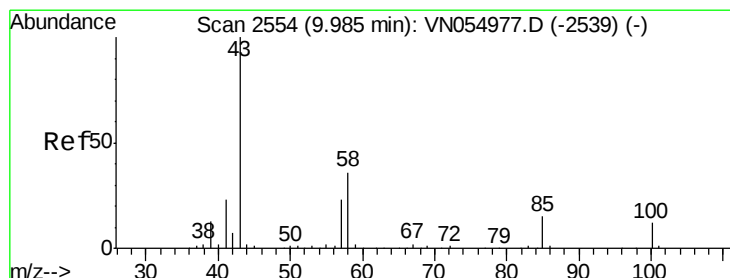
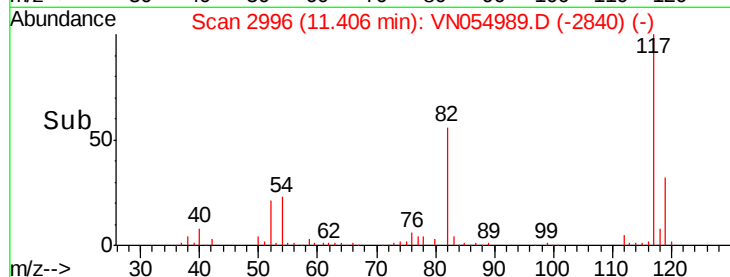
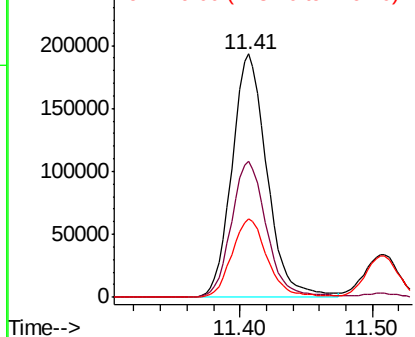
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 355167
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 32.5 25.4 38.2

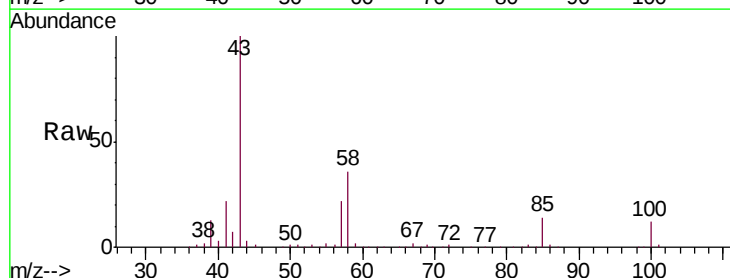


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

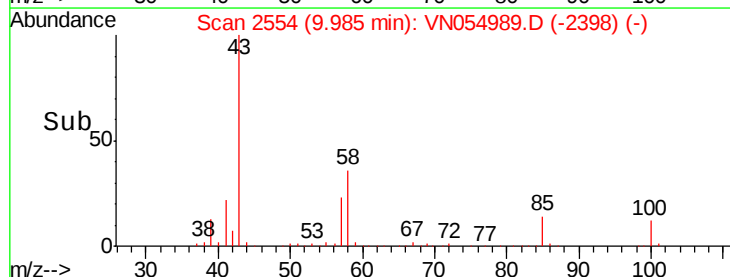
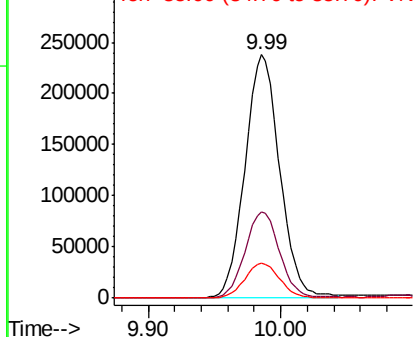


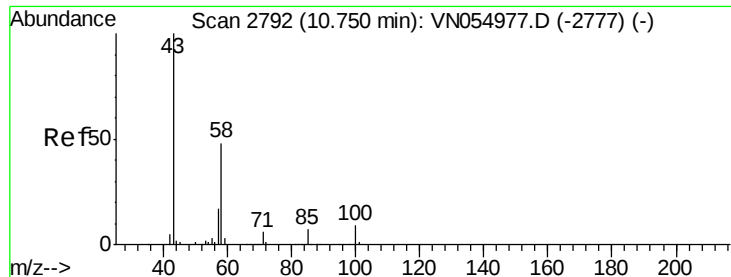
#58
4-Methyl-2-Pentanone
Concen: 105.356 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 43 Resp: 431519
Ion Ratio Lower Upper
43 100
58 35.6 28.7 43.1
85 14.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

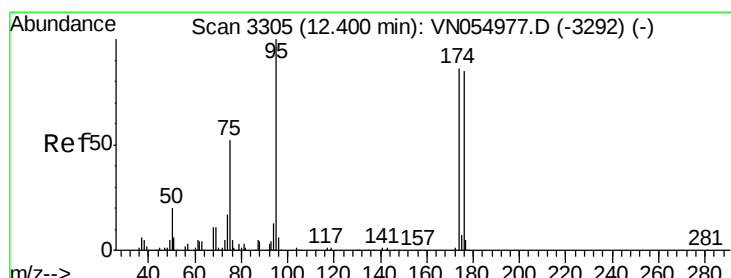
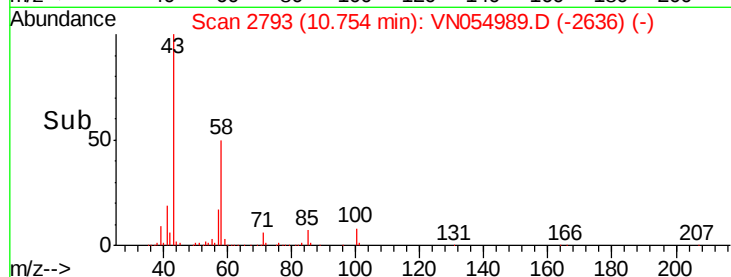
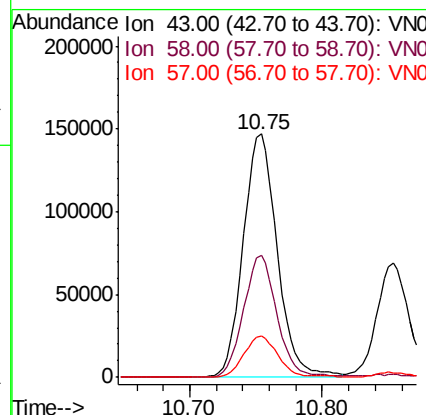
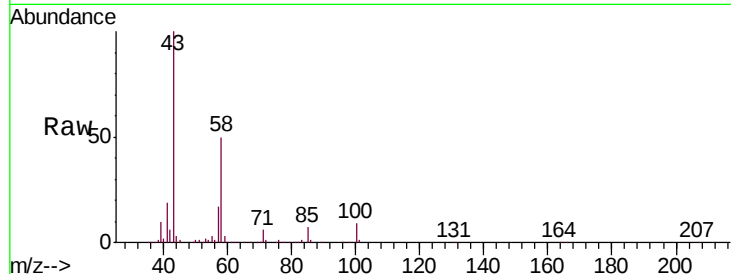




#59
2-Hexanone
Concen: 100.194 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

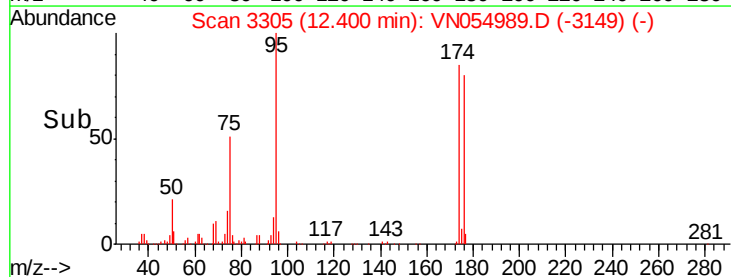
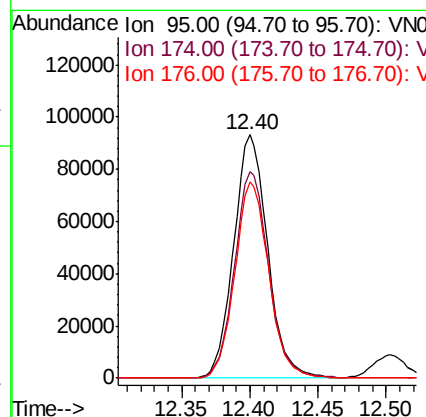
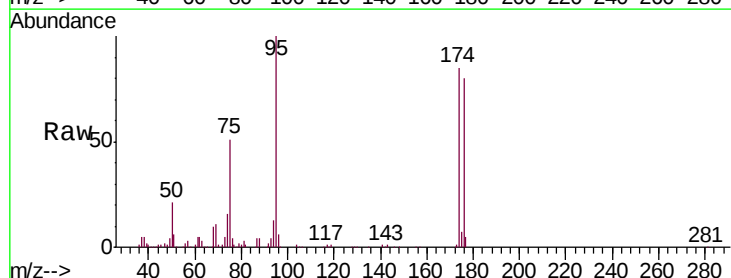
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

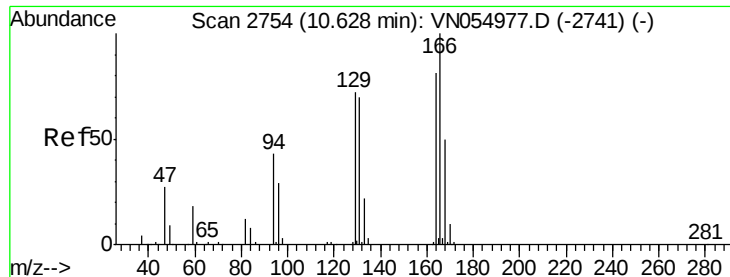
Tgt Ion: 43 Resp: 260704
Ion Ratio Lower Upper
43 100
58 49.6 38.8 58.2
57 17.0 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 100.194 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 95 Resp: 161131
Ion Ratio Lower Upper
95 100
174 85.0 69.4 104.2
176 80.8 67.4 101.2





#61

Tetrachloroethene

Concen: 19.732 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 91202

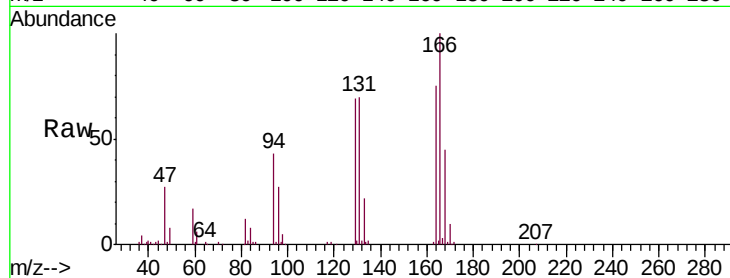
Ion Ratio Lower Upper

164 100

166 132.9 99.0 148.4

129 91.3 71.4 107.0

131 92.5 68.8 103.2

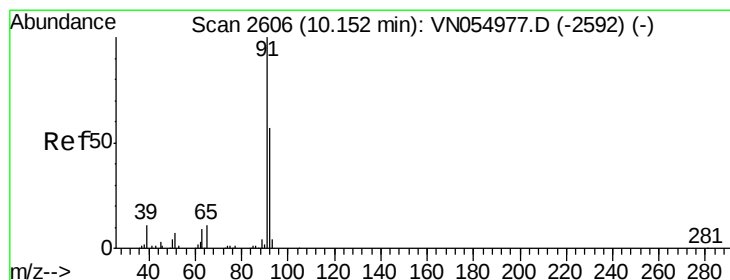
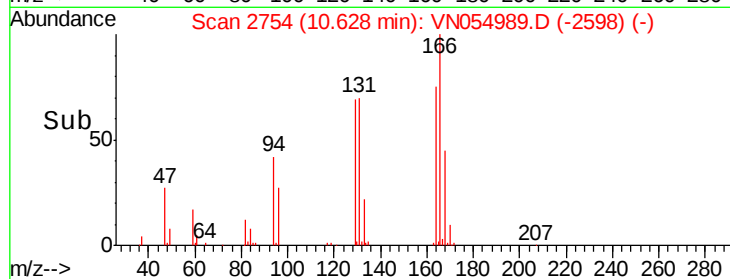
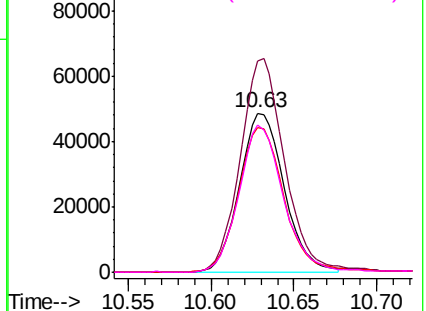


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.308 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054989.D

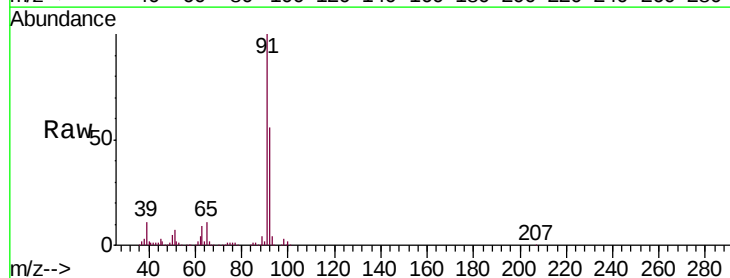
Acq: 11 Apr 2019 20:42

Tgt Ion: 91 Resp: 397410

Ion Ratio Lower Upper

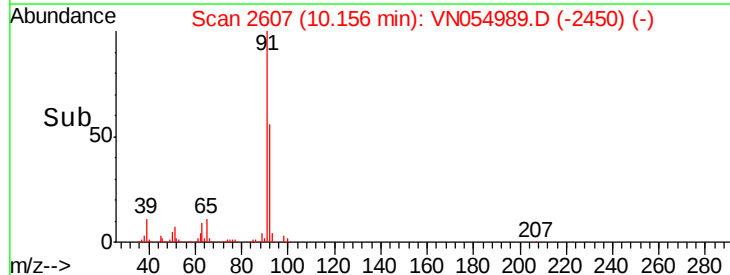
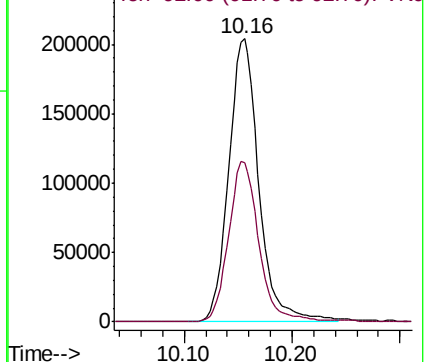
91 100

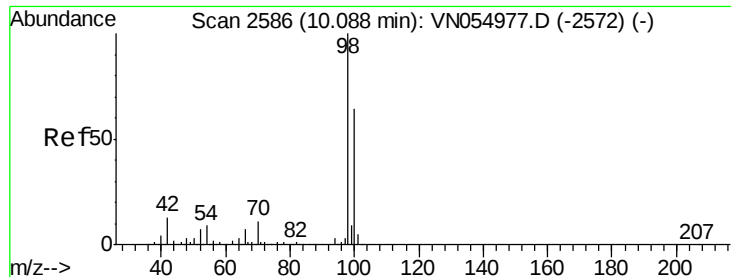
92 57.2 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.308 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

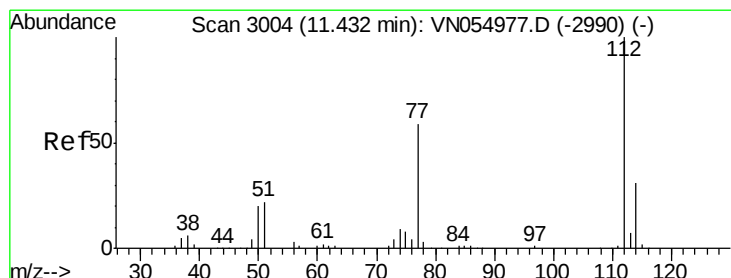
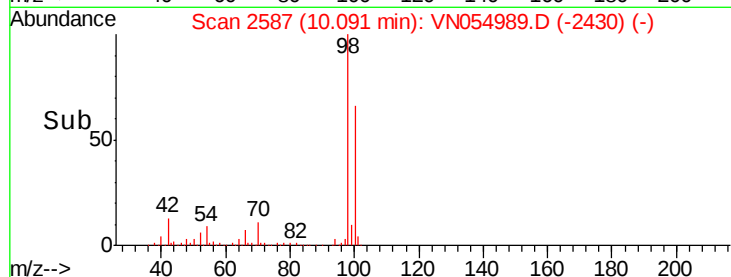
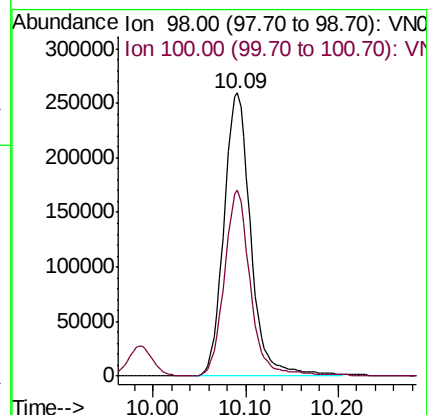
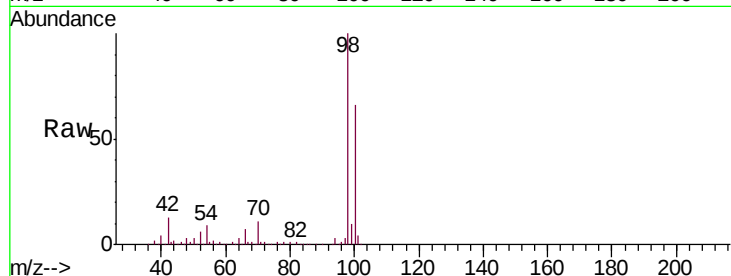
VSTDCCC020EC

Tgt Ion: 98 Resp: 522683

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



#64

Chlorobenzene

Concen: 19.997 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054989.D

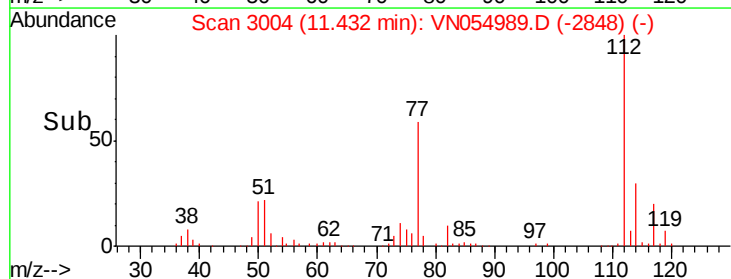
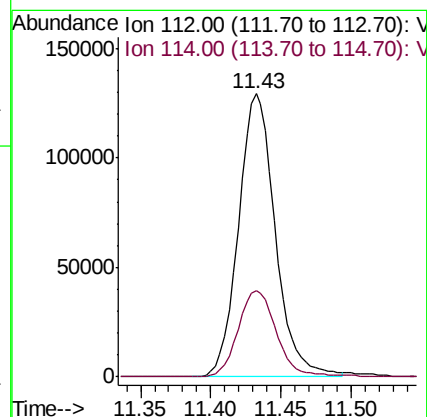
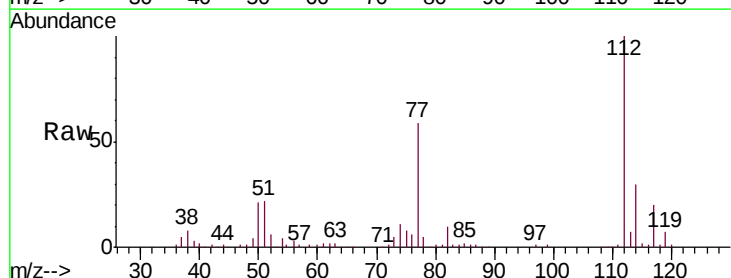
Acq: 11 Apr 2019 20:42

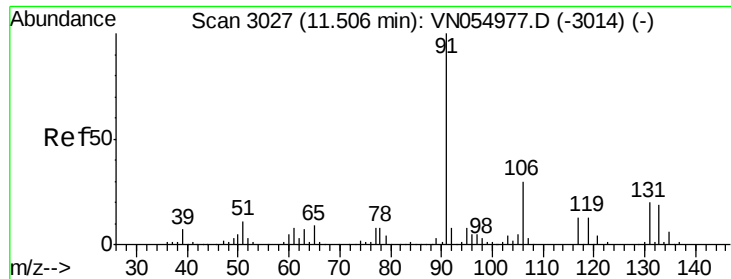
Tgt Ion: 112 Resp: 236249

Ion Ratio Lower Upper

112 100

114 30.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.272 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

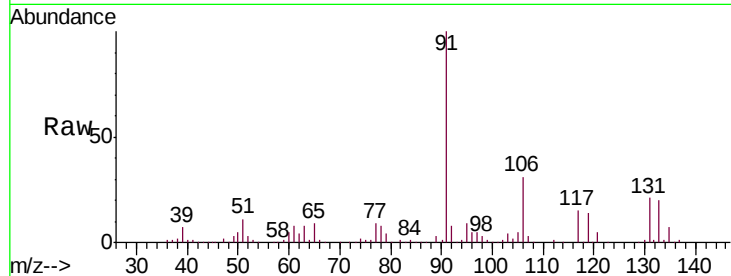
Tgt Ion: 131 Resp: 85179

Ion Ratio Lower Upper

131 100

133 94.8 0.0 187.8

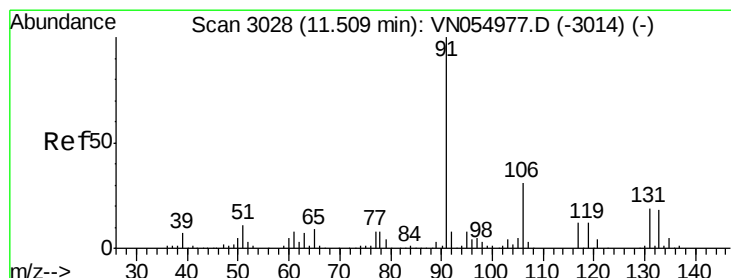
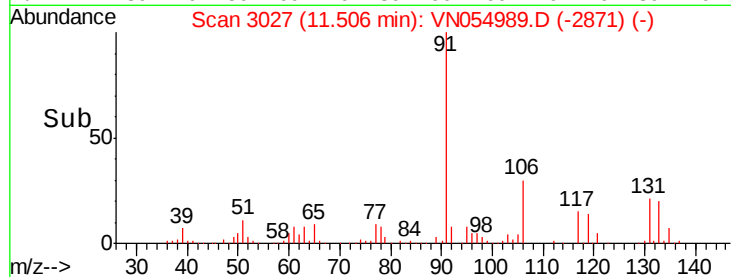
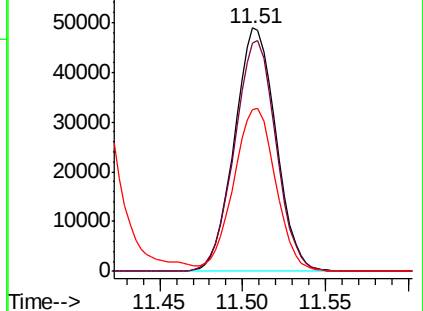
119 67.4 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.118 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054989.D

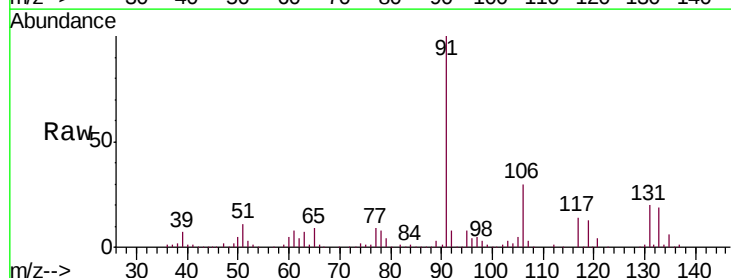
Acq: 11 Apr 2019 20:42

Tgt Ion: 91 Resp: 422040

Ion Ratio Lower Upper

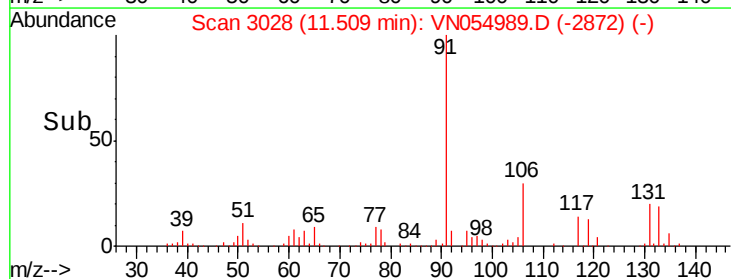
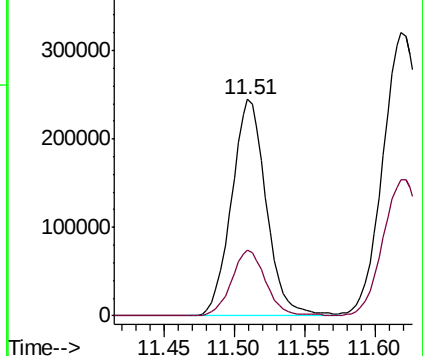
91 100

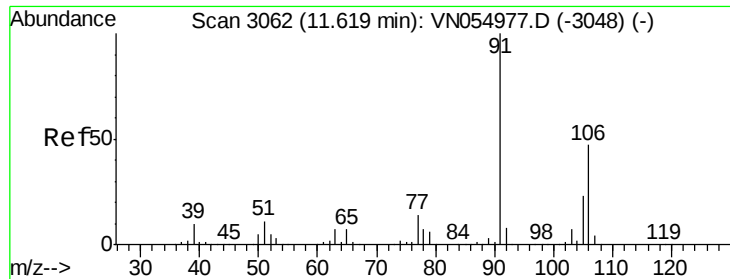
106 30.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

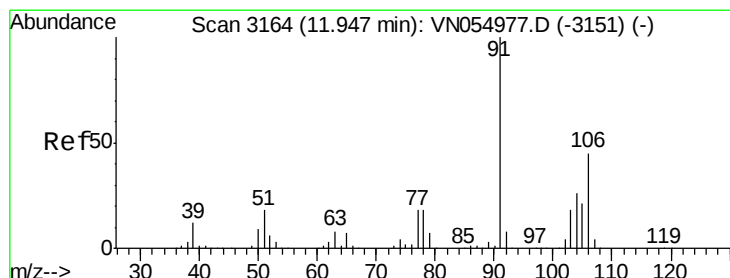
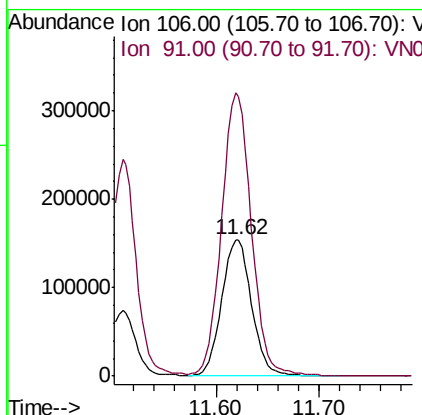
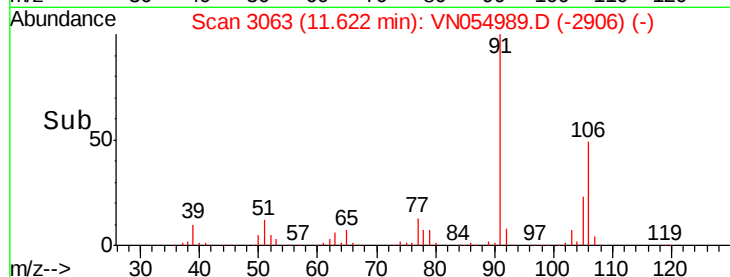
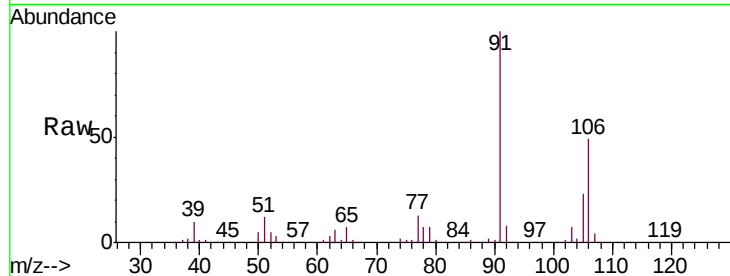




#67
m/p-Xylenes
Concen: 40.189 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

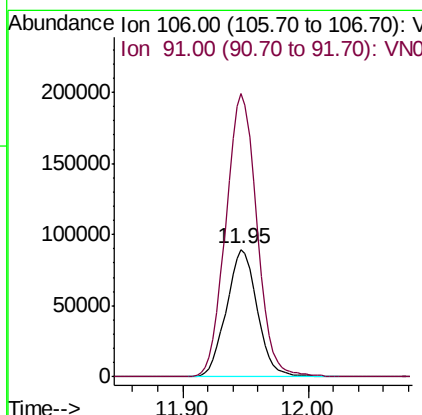
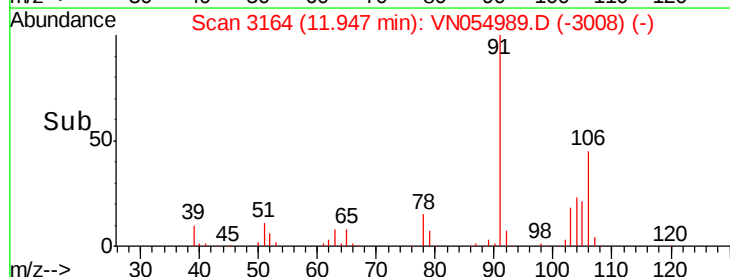
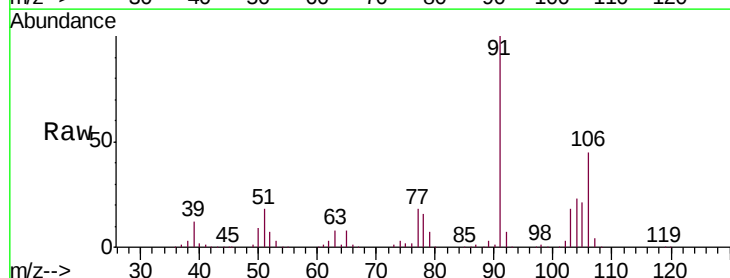
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

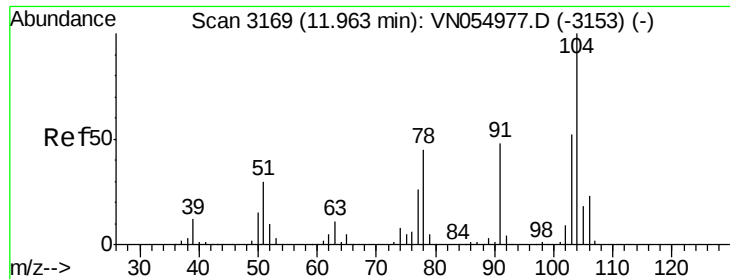
Tgt Ion:106 Resp: 313376
Ion Ratio Lower Upper
106 100
91 206.4 167.4 251.2



#68
o-Xylene
Concen: 19.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion:106 Resp: 152913
Ion Ratio Lower Upper
106 100
91 224.4 110.3 330.8





#69

Styrene

Concen: 19.346 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

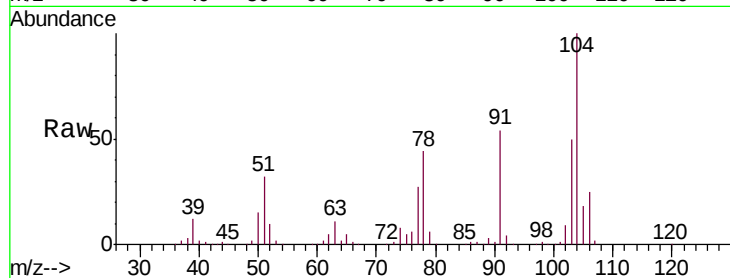
Tgt Ion:104 Resp: 231489

Ion Ratio Lower Upper

104 100

78 50.9 41.2 61.8

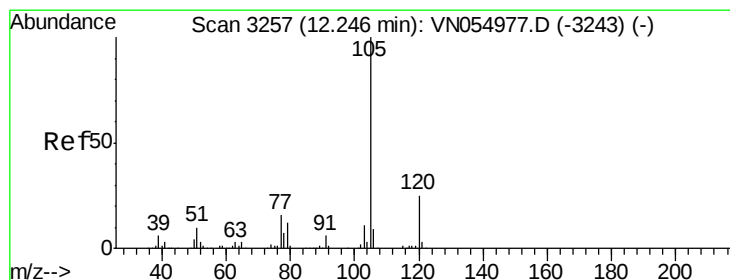
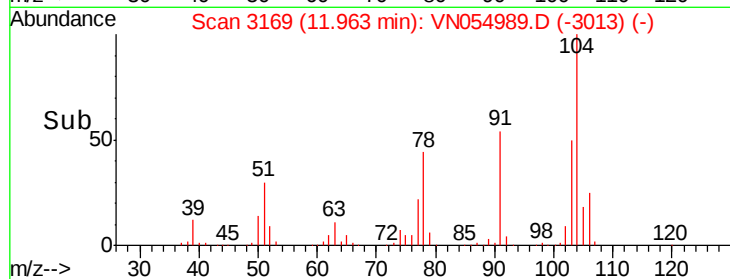
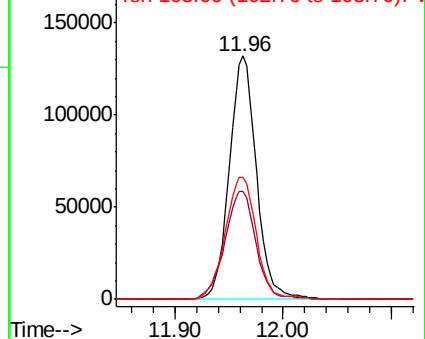
103 57.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.154 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054989.D

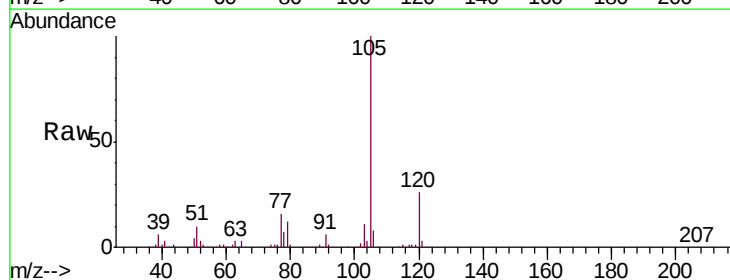
Acq: 11 Apr 2019 20:42

Tgt Ion:105 Resp: 415229

Ion Ratio Lower Upper

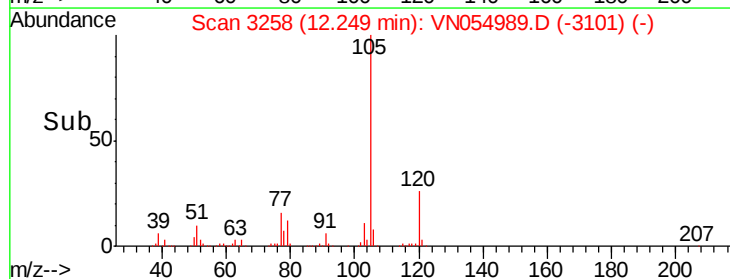
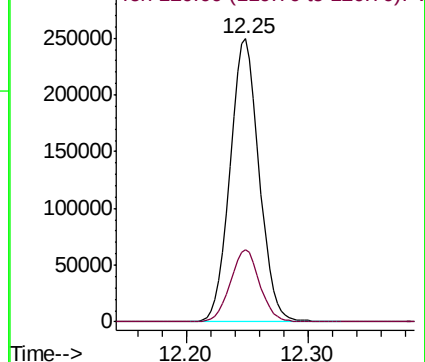
105 100

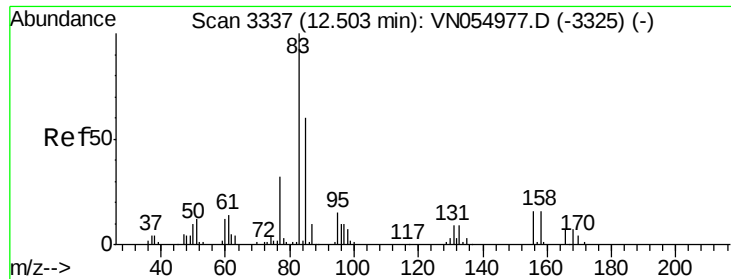
120 25.9 18.3 33.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

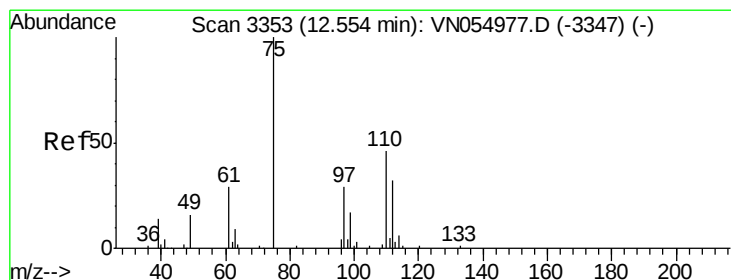
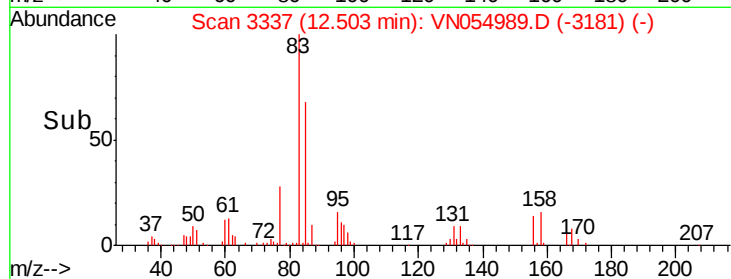
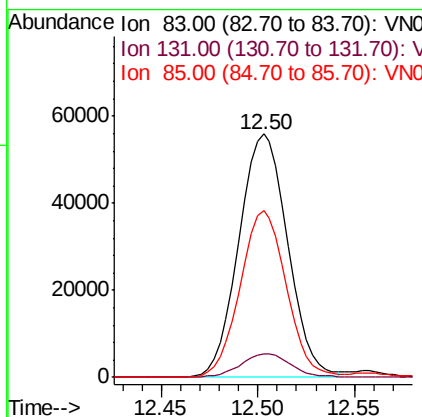
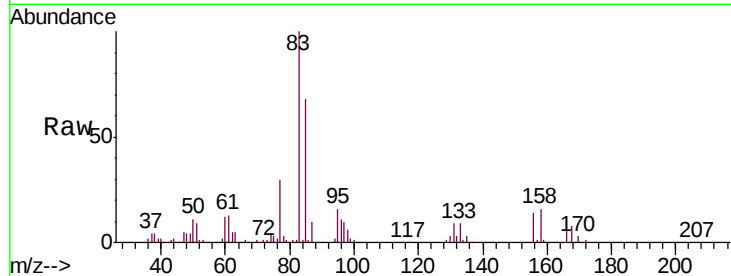




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.857 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

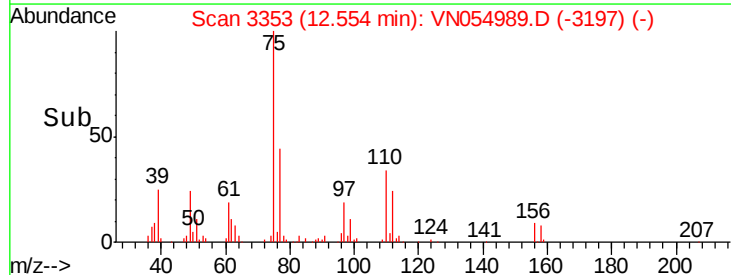
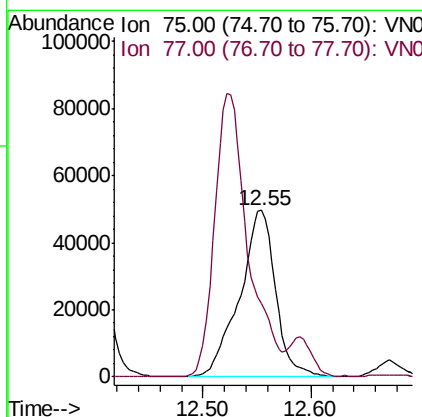
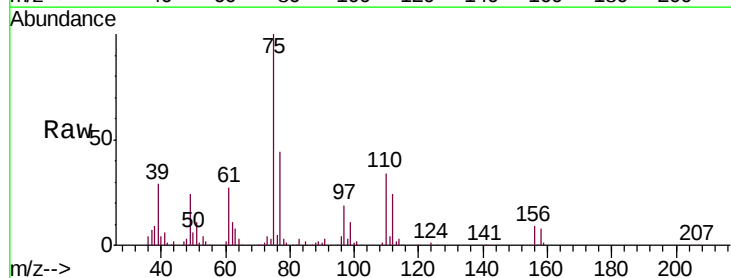
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

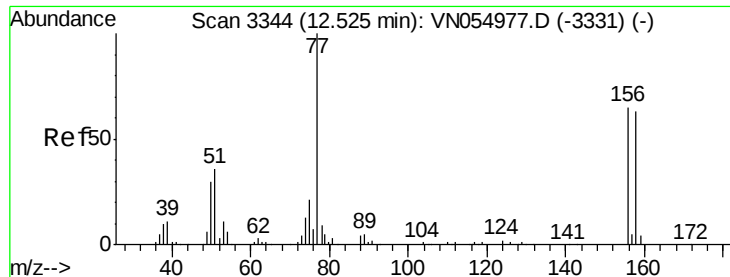
Tgt Ion: 83 Resp: 98283
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.6 13.8
 85 65.2 30.9 92.5



#72
 1,2,3-Trichloropropane
 Concen: 29.568 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 75 Resp: 115068
 Ion Ratio Lower Upper
 75 100
 77 158.5 0.0 466.6





#73

Bromobenzene

Concen: 20.006 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

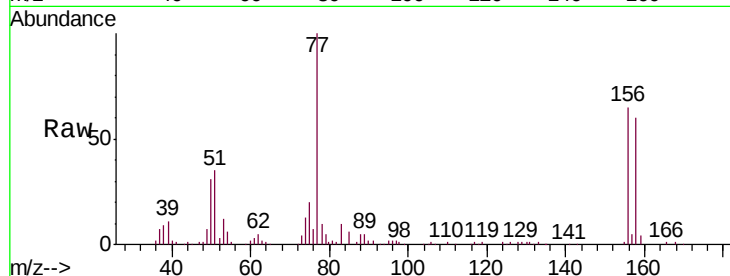
Tgt Ion:156 Resp: 97423

Ion Ratio Lower Upper

156 100

77 187.2 0.0 383.2

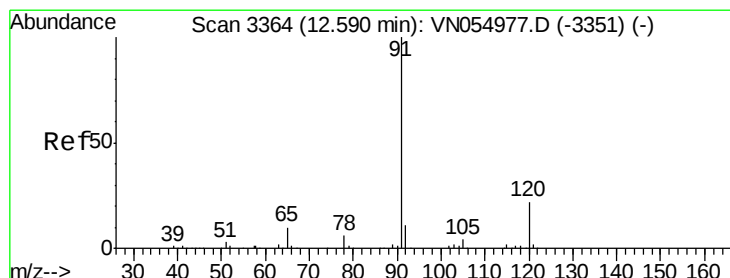
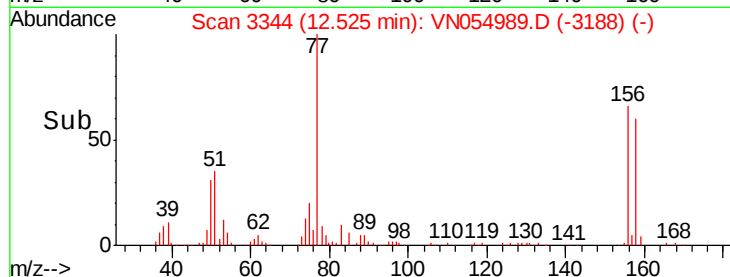
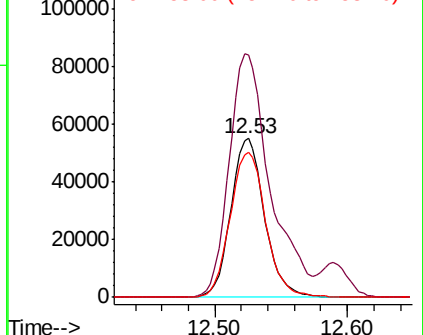
158 96.5 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.447 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054989.D

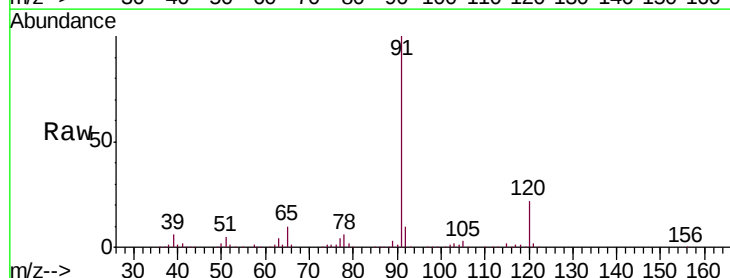
Acq: 11 Apr 2019 20:42

Tgt Ion: 91 Resp: 448552

Ion Ratio Lower Upper

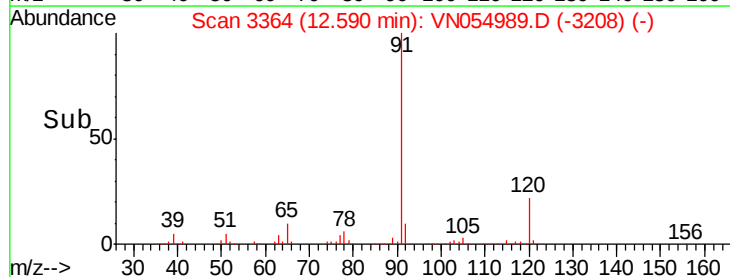
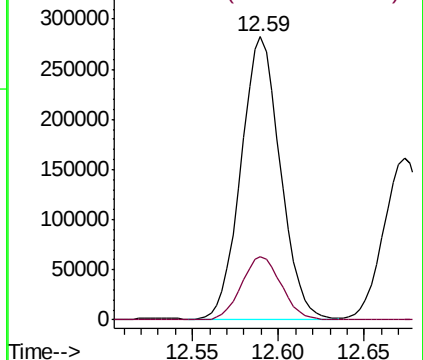
91 100

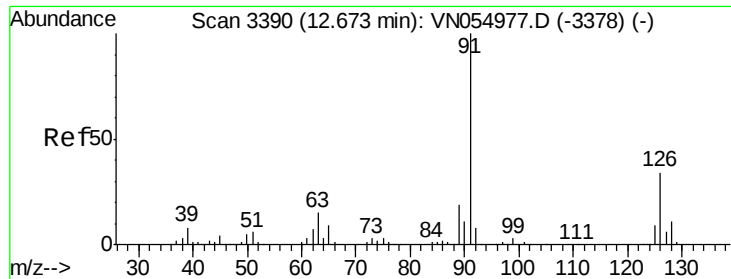
120 22.6 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.838 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

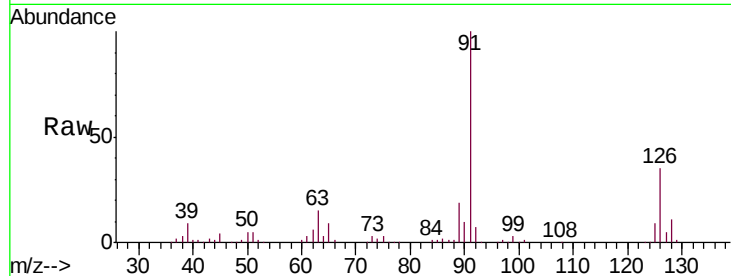
VSTDCCC020EC

Tgt Ion: 91 Resp: 275966

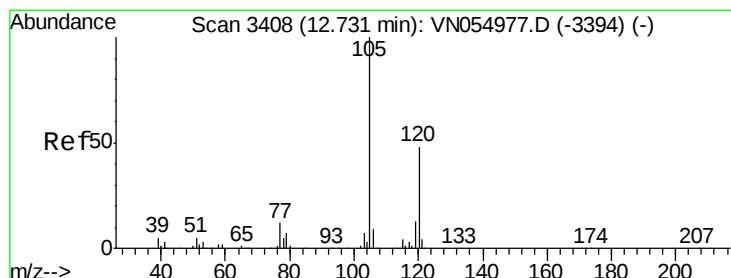
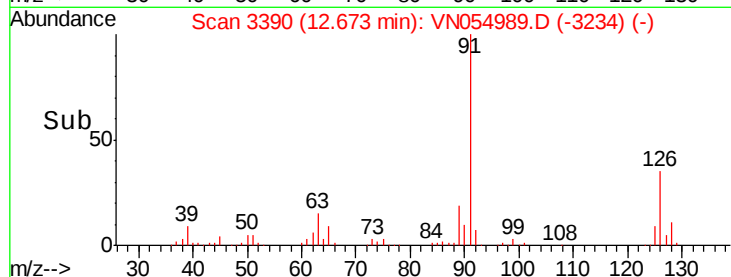
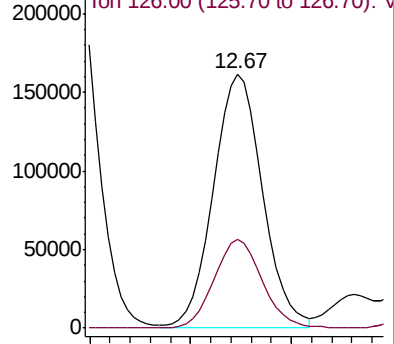
Ion Ratio Lower Upper

91 100

126 34.4 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.561 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054989.D

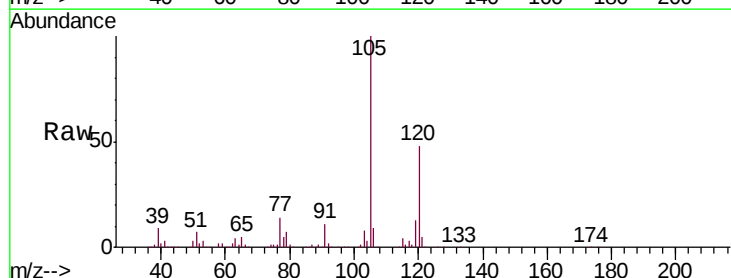
Acq: 11 Apr 2019 20:42

Tgt Ion: 105 Resp: 325817

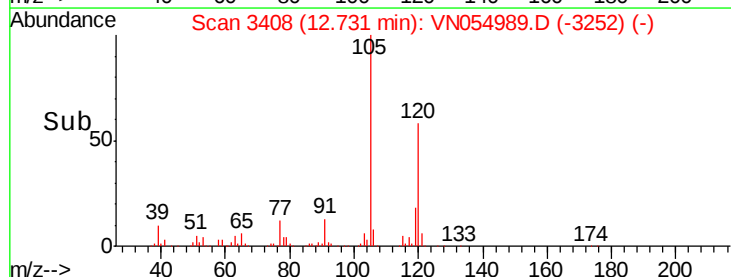
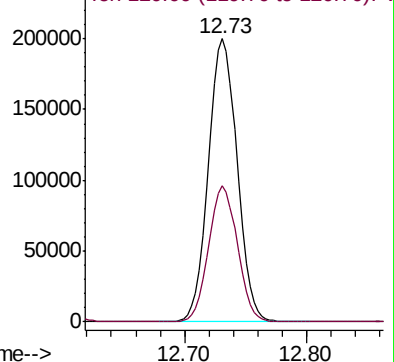
Ion Ratio Lower Upper

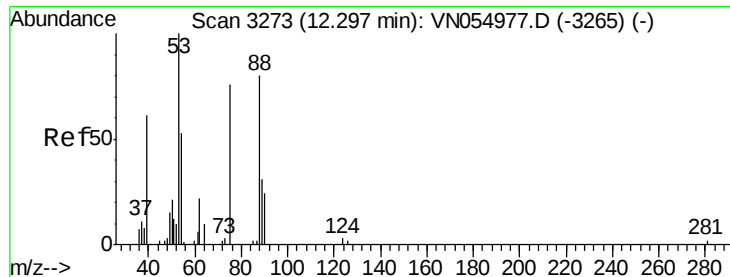
105 100

120 47.9 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.471 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054989.D

Acq: 11 Apr 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

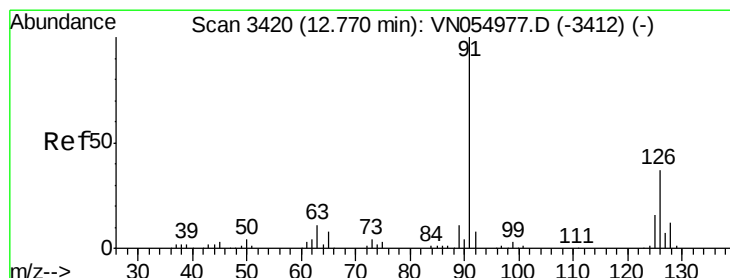
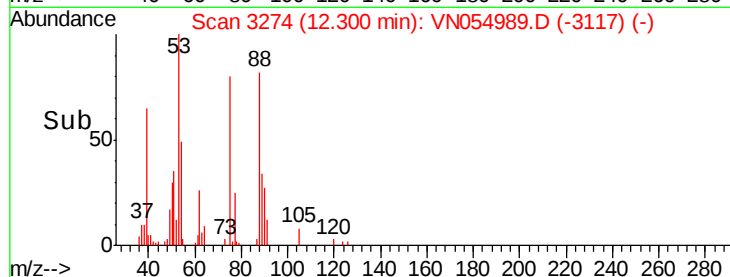
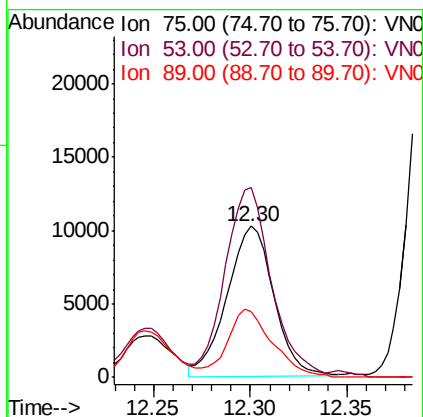
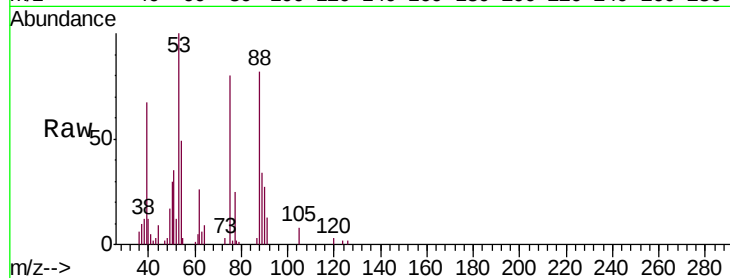
Tgt Ion: 75 Resp: 17138

Ion Ratio Lower Upper

75 100

53 122.6 64.3 192.7

89 43.8 21.6 65.0



#78

4-Chlorotoluene

Concen: 19.284 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN054989.D

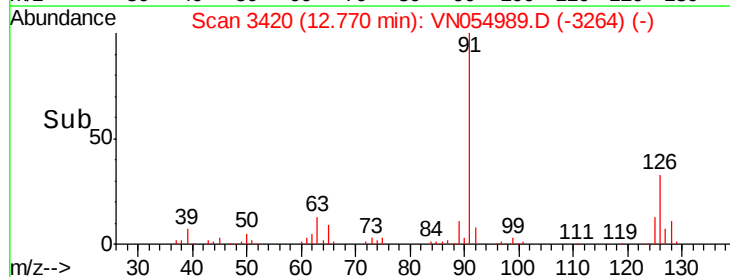
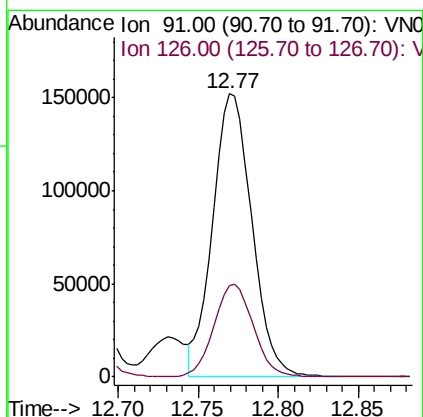
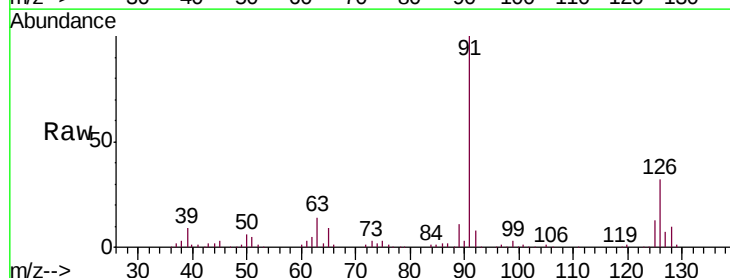
Acq: 11 Apr 2019 20:42

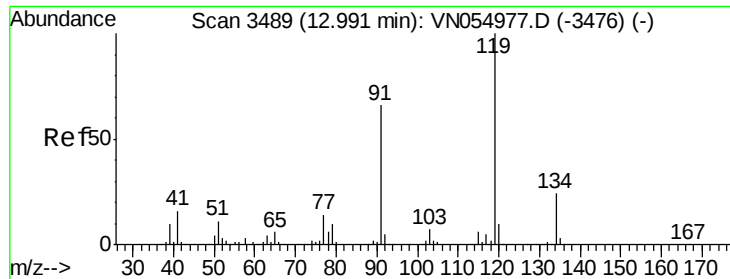
Tgt Ion: 91 Resp: 255599

Ion Ratio Lower Upper

91 100

126 33.0 0.0 66.6

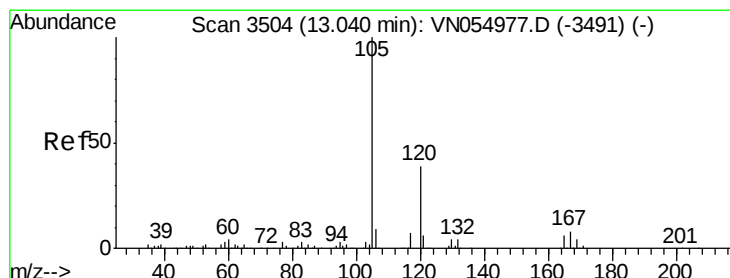
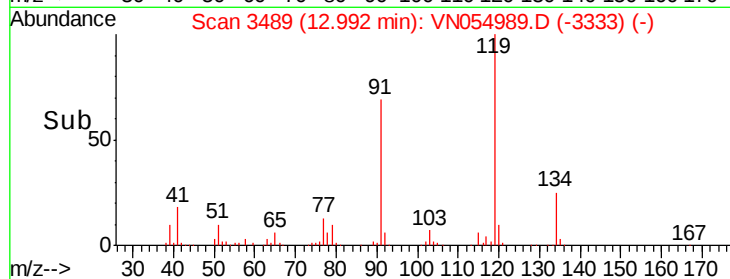
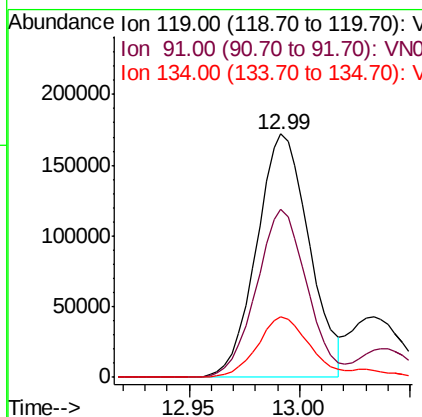
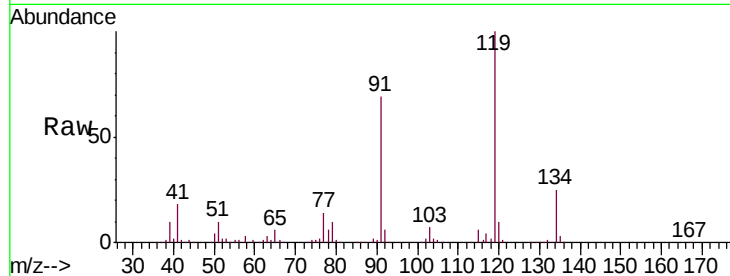




#79
tert-butylbenzene
Concen: 19.768 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

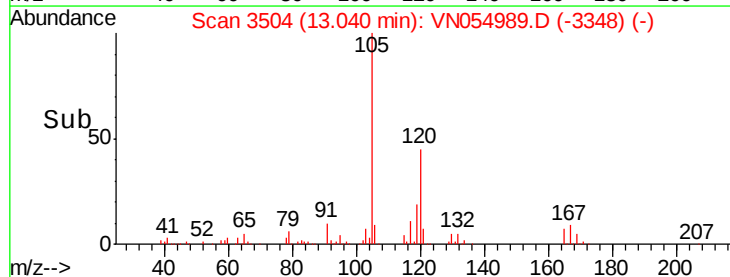
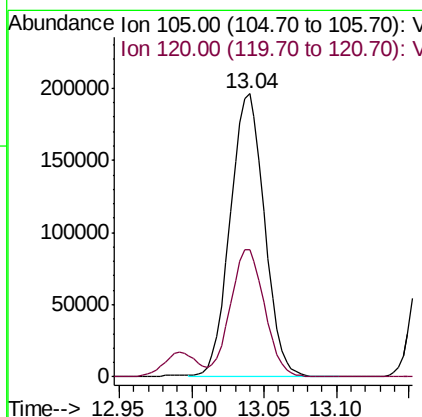
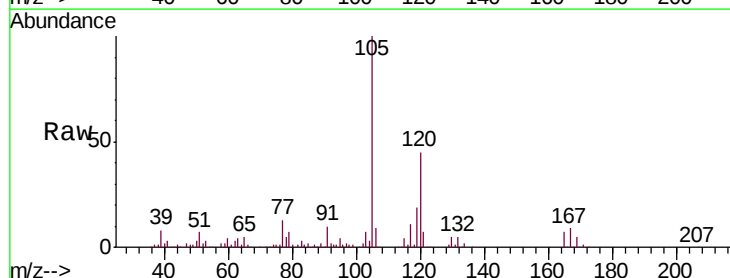
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

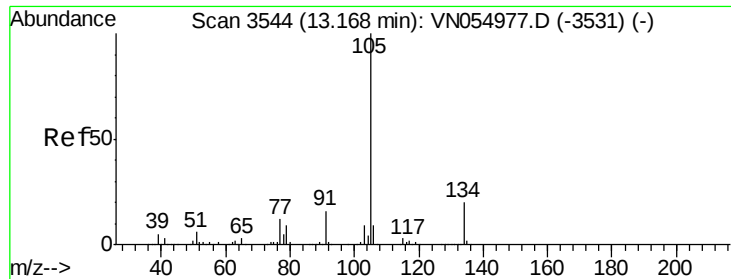
Tgt Ion:119 Resp: 284909
Ion Ratio Lower Upper
119 100
91 66.5 0.0 132.6
134 24.5 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 19.693 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion:105 Resp: 322240
Ion Ratio Lower Upper
105 100
120 44.8 0.0 91.4

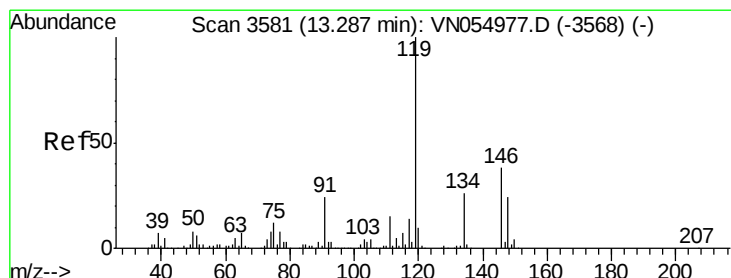
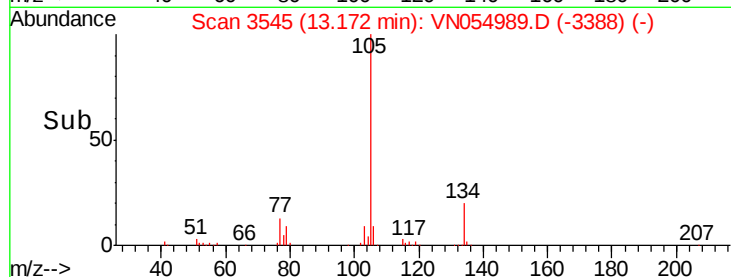
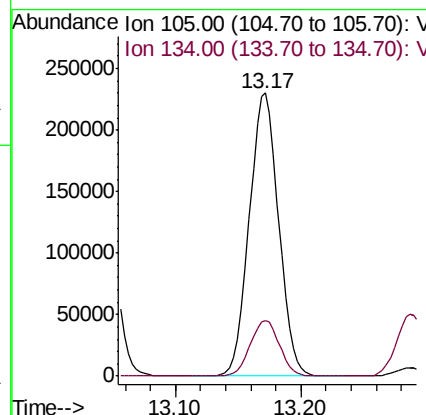
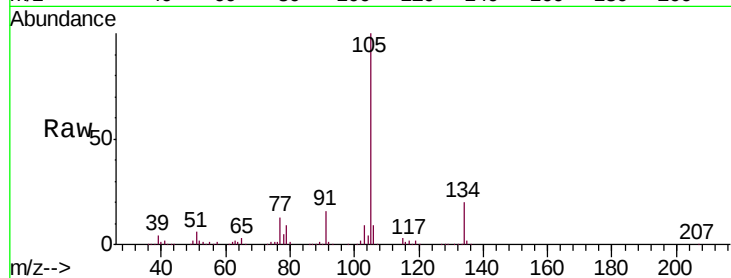




#81
 sec-Butylbenzene
 Concen: 19.444 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

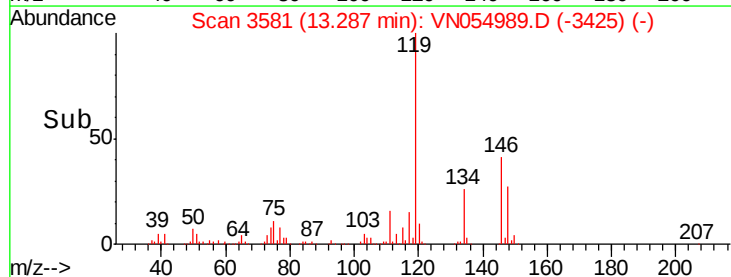
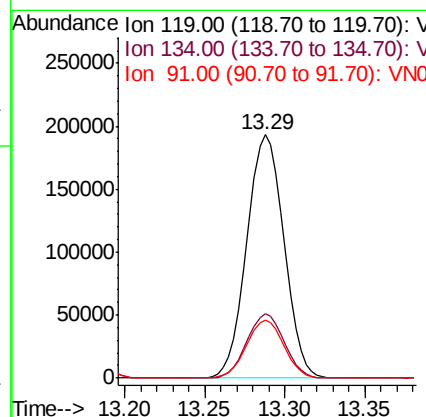
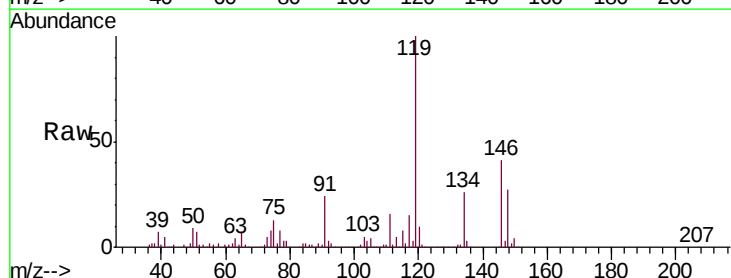
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

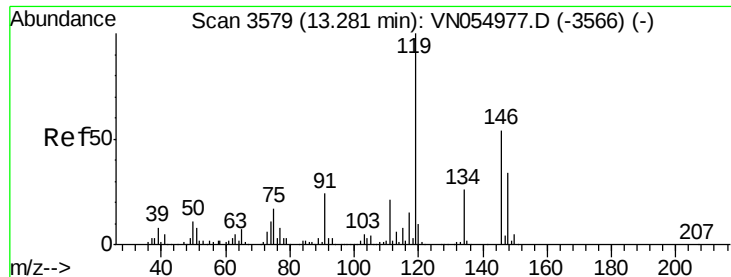
Tgt Ion:105 Resp: 374450
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 18.848 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:119 Resp: 306325
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.2
 91 23.9 0.0 47.8

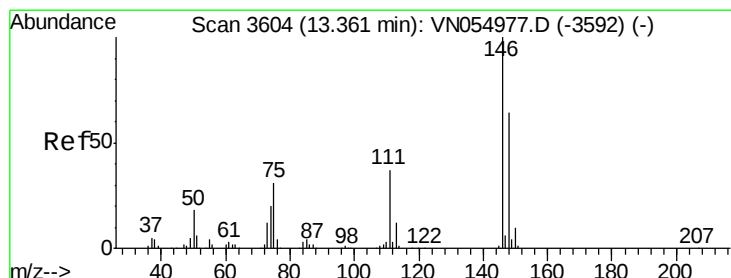
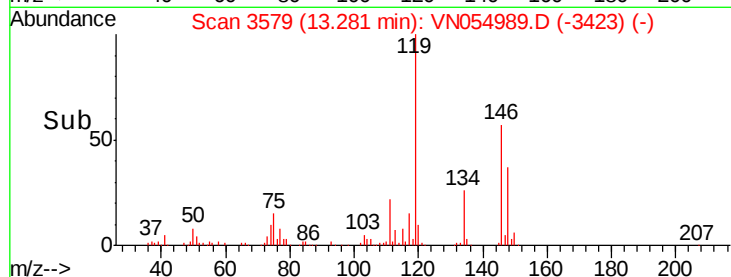
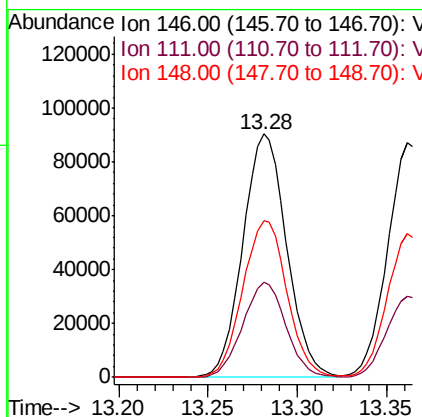
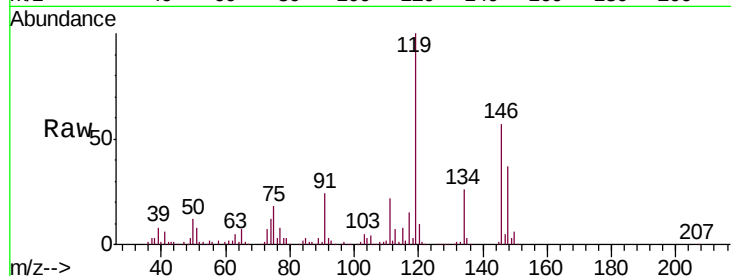




#83
 1,3-Dichlorobenzene
 Concen: 19.031 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

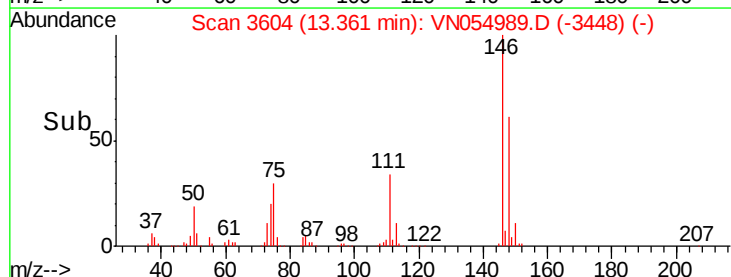
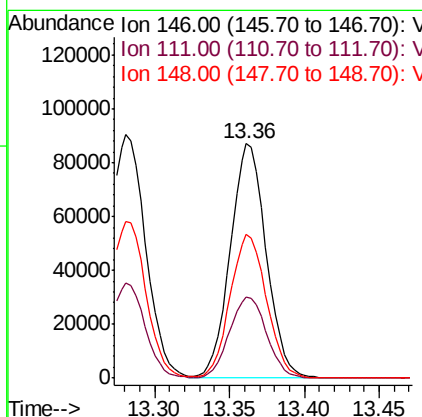
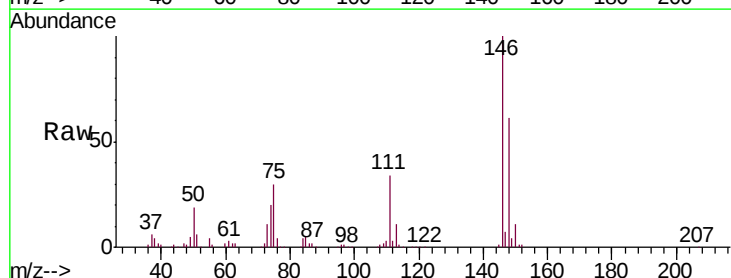
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

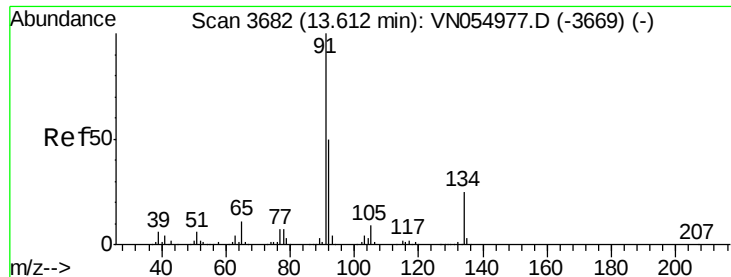
Tgt Ion:146 Resp: 155040
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.5
 148 65.0 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.830 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:146 Resp: 145779
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.2
 148 62.2 32.5 97.4

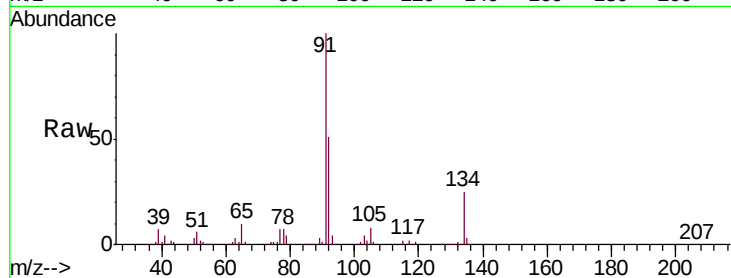




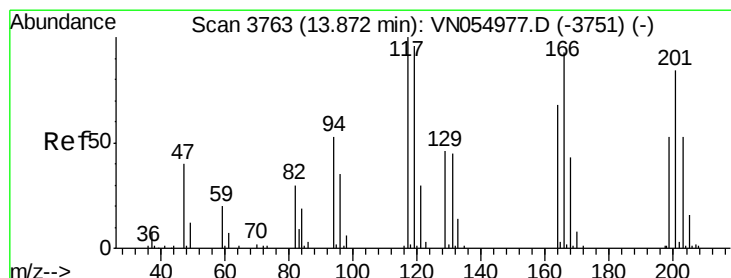
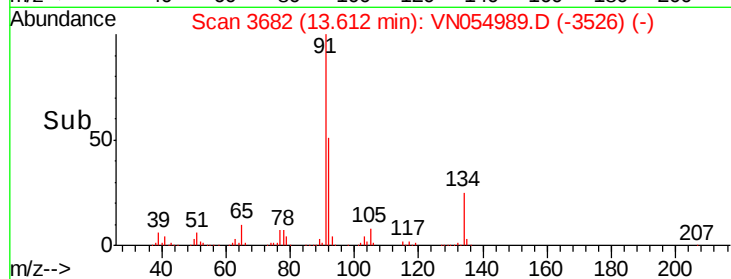
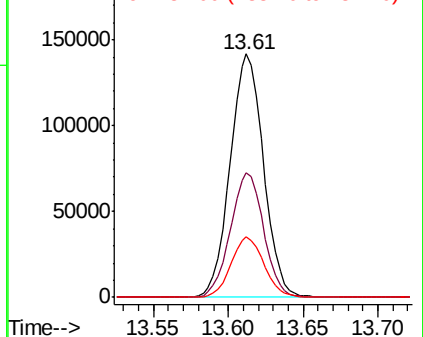
#85
n-Butylbenzene
Concen: 16.996 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 220033
Ion Ratio Lower Upper
91 100
92 50.9 0.0 101.4
134 24.5 0.0 49.8

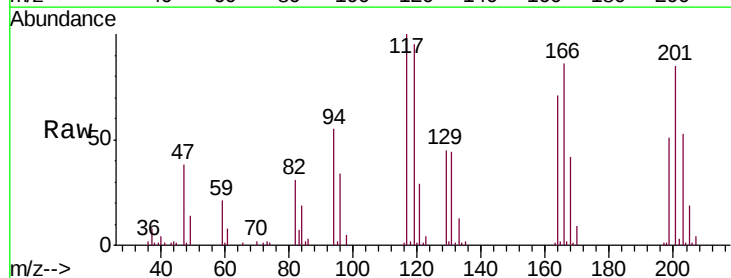


Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

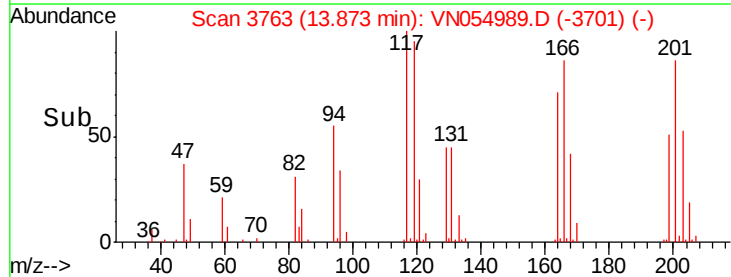
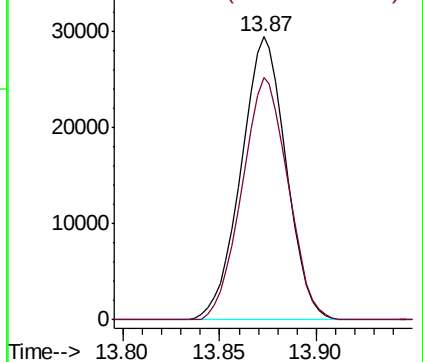


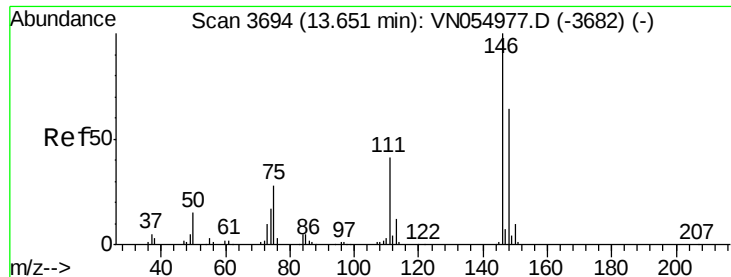
#86
Hexachloroethane
Concen: 18.345 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion: 117 Resp: 47730
Ion Ratio Lower Upper
117 100
201 87.3 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

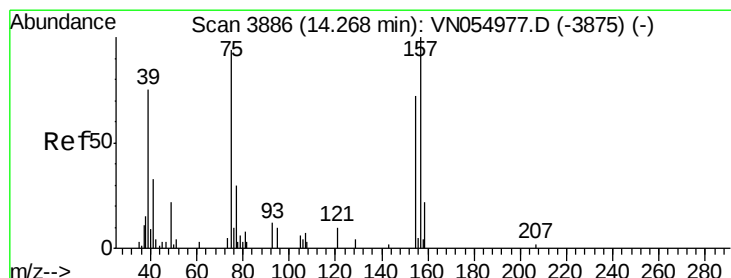
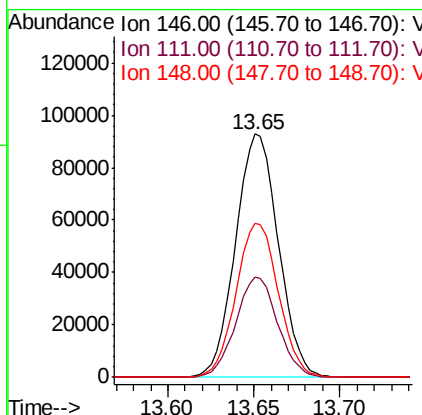
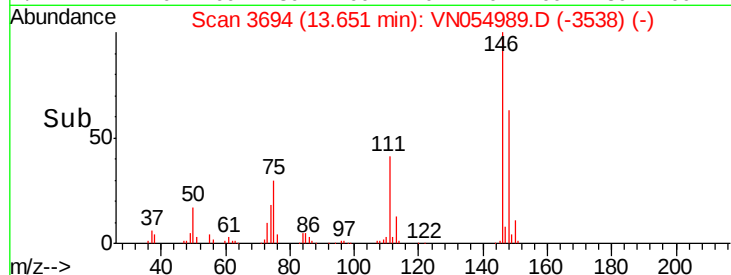
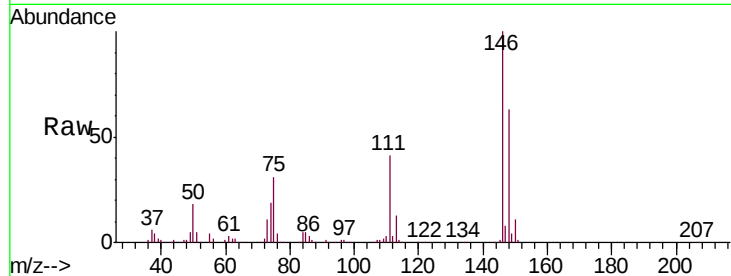




#87
 1,2-Dichlorobenzene
 Concen: 20.100 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

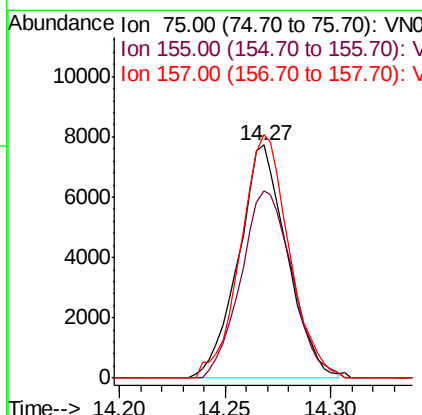
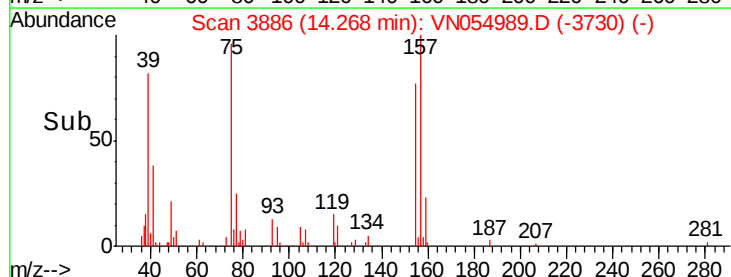
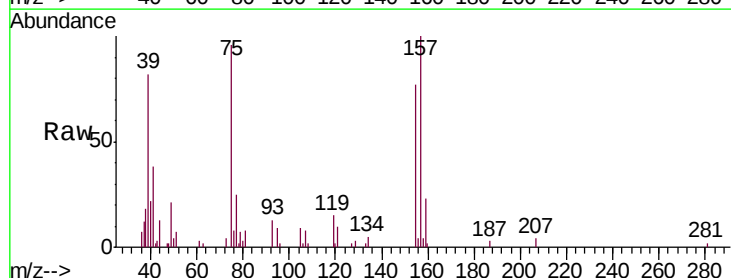
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

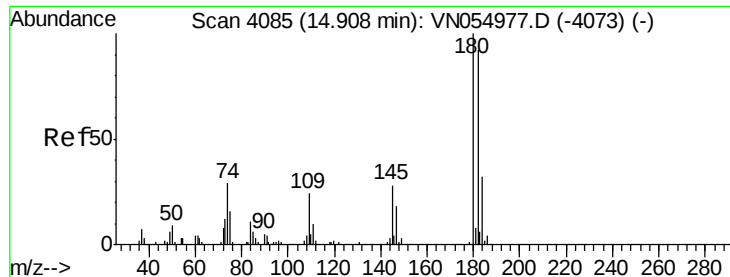
Tgt Ion: 146 Resp: 160365
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 62.8 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion: 75 Resp: 12350
 Ion Ratio Lower Upper
 75 100
 155 84.7 61.8 92.8
 157 104.7 82.7 124.1

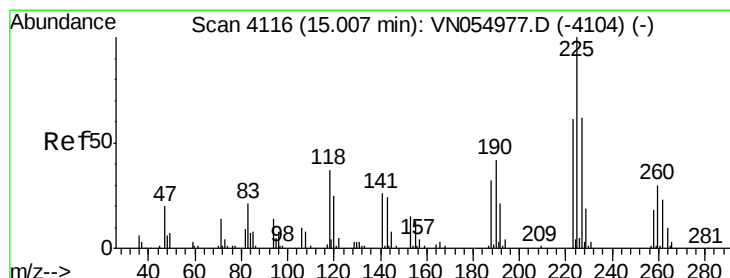
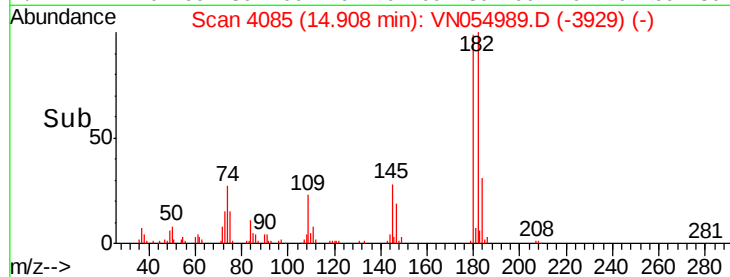
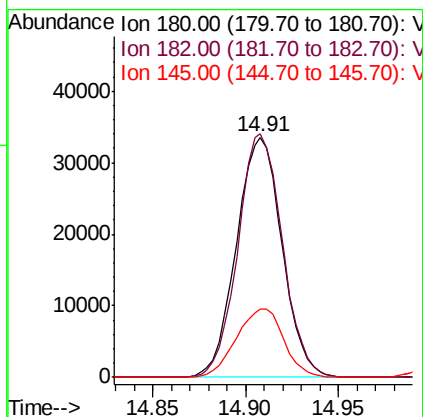
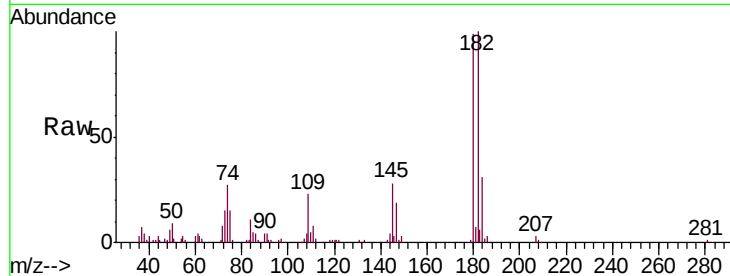




#89
 1,2,4-Trichlorobenzene
 Concen: 16.097 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

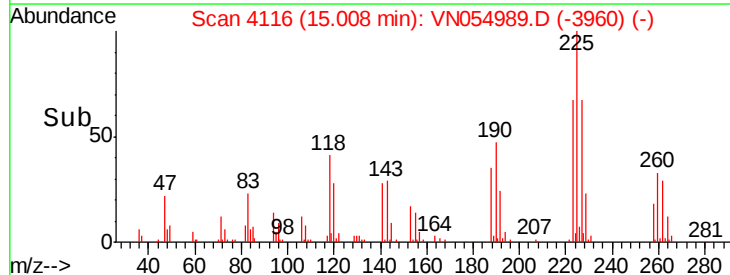
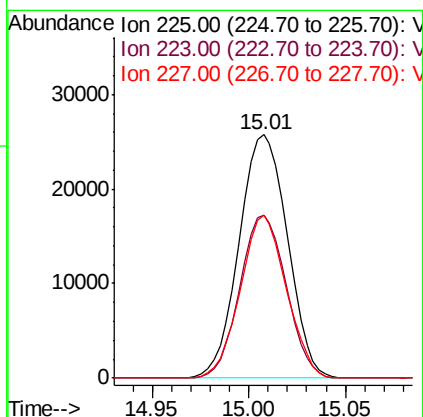
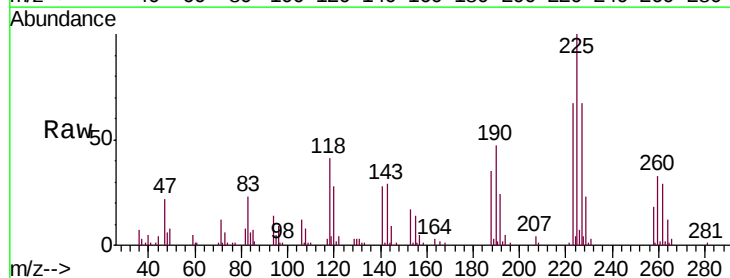
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

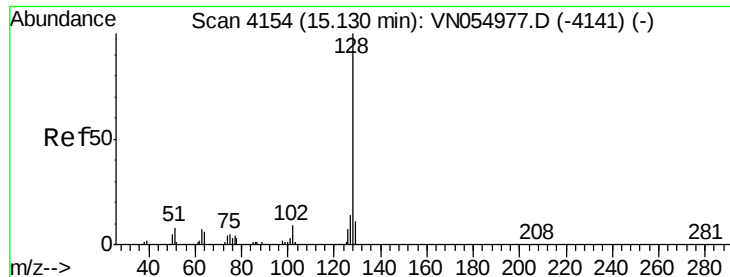
Tgt Ion:180 Resp: 57419
 Ion Ratio Lower Upper
 180 100
 182 99.1 73.2 109.8
 145 29.6 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 17.206 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054989.D
 Acq: 11 Apr 2019 20:42

Tgt Ion:225 Resp: 44747
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 126.0
 227 63.5 0.0 125.4

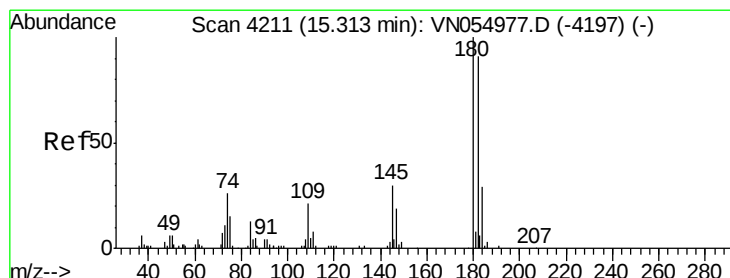
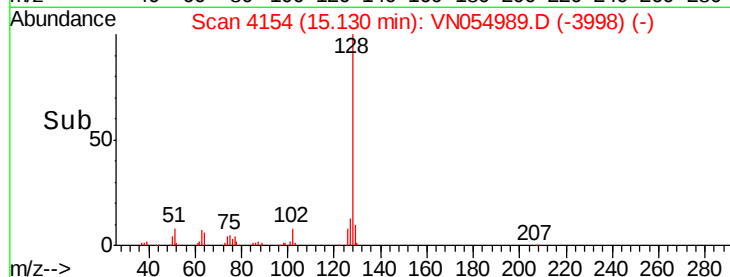
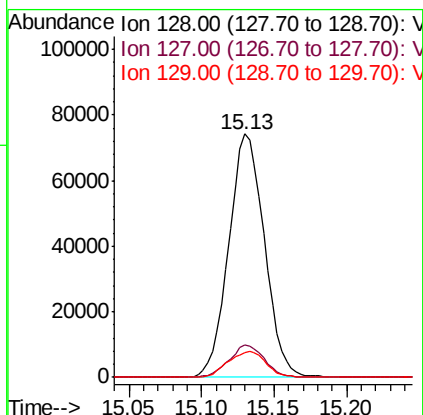
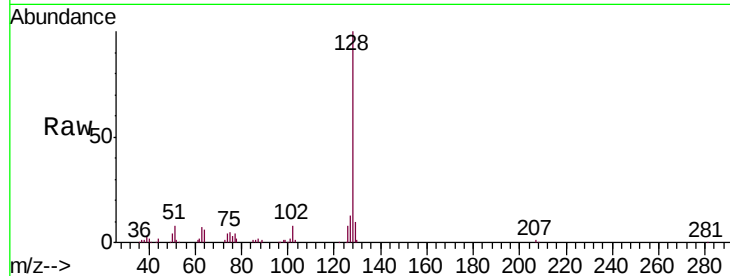




#91
Naphthalene
Concen: 16.994 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 126930
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.2 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 17.387 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN054989.D
Acq: 11 Apr 2019 20:42

Tgt Ion:180 Resp: 62025
Ion Ratio Lower Upper
180 100
182 98.6 0.0 188.2
145 32.2 0.0 61.2

