

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
 Data File : VN057346.D
 Acq On : 16 Aug 2019 11:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 17 03:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	141188	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	774007	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	687277	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	276979	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	288433	28.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.00%
63) Toluene-d8	10.09	98	934152	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	150719	20.666 ug/l	98
3) Chloromethane	2.05	50	169131	20.109 ug/l	99
4) Vinyl Chloride	2.18	62	162498	20.195 ug/l	100
5) Bromomethane	2.55	94	123818	19.776 ug/l	96
6) Chloroethane	2.70	64	109497	19.866 ug/l	98
7) Trichlorofluoromethane	3.02	101	257385	19.959 ug/l	99
8) Diethyl Ether	3.40	74	92842	19.562 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156721	20.409 ug/l	97
10) 1,1-Dichloroethene	3.73	96	149257	19.598 ug/l	93
11) Methyl Iodide	3.95	142	245203	19.093 ug/l	99
12) Methyl Acetate	4.31	43	164949	19.265 ug/l	99
13) Acrolein	3.60	56	83028	102.546 ug/l	100
14) Acrylonitrile	4.97	53	338972	97.730 ug/l	97
15) Acetone	3.80	58	108612	106.267 ug/l	97
16) Carbon Disulfide	4.05	76	402211	19.321 ug/l	100
17) Allyl chloride	4.31	41	207816	18.682 ug/l	96
18) Methylene Chloride	4.55	84	173717	19.930 ug/l	94
19) trans-1,2-Dichloroethene	5.03	96	161899	19.632 ug/l	96
20) Diisopropyl ether	5.93	45	461706	19.933 ug/l	97
21) 1,1-Dichloroethane	5.83	63	284620	19.887 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	184523	19.308 ug/l	98
23) tert-Butyl Alcohol	4.85	59	453	0.366 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	454838	19.462 ug/l	99
25) Chloroform	7.36	83	297013	19.855 ug/l	98
26) Cyclohexane	7.64	56	237035	19.924 ug/l #	97
29) 1,1-Dichloropropene	7.78	75	219414	19.488 ug/l	98
30) 2-Butanone	6.82	43	432319	97.322 ug/l	95
31) 2,2-Dichloropropane	6.81	77	247053	20.030 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	261199	19.624 ug/l	97
33) Carbon Tetrachloride	7.76	117	231167	19.505 ug/l	97
34) Benzene	8.03	78	667151	19.532 ug/l	97
35) Methacrylonitrile	7.17	41	92837	15.557 ug/l	88
36) 1,2-Dichloroethane	8.12	62	211804	19.080 ug/l	98
37) Trichloroethene	8.83	130	192568	19.368 ug/l	95
38) Methylcyclohexane	9.08	83	257937	19.344 ug/l	96
39) 1,2-Dichloropropane	9.11	63	174122	19.945 ug/l	98
40) Dibromomethane	9.20	93	113618	19.563 ug/l	95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	224657	19.091	ug/l	97
42) Vinyl Acetate	5.88	43	1815925	97.153	ug/l	97
43) Ethyl Acetate	6.91	43	169203	18.565	ug/l	99
45) 1,4-Dioxane	9.19	88	55878	369.604	ug/l	100
46) Methyl methacrylate	9.19	41	136432	18.971	ug/l	93
47) n-amyl Acetate	12.07	43	214381	18.091	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	243124	19.096	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	274824	19.388	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	165282	19.500	ug/l	97
51) Ethyl methacrylate	10.43	69	228245	18.576	ug/l	95
52) 1,3-Dichloropropane	10.70	76	269633	19.479	ug/l	98
53) Dibromochloromethane	10.90	129	187588	19.237	ug/l	99
54) 1,2-Dibromoethane	11.00	107	173824	19.473	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	258122	90.248	ug/l	97
56) Bromoform	12.13	173	136139	18.489	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	848104	94.728	ug/l	96
59) 2-Hexanone	10.75	43	606304	94.418	ug/l	97
61) Tetrachloroethene	10.63	164	200609	19.915	ug/l	97
62) Toluene	10.15	91	737414	19.453	ug/l	99
64) Chlorobenzene	11.43	112	461280	19.370	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	177346	19.159	ug/l	98
66) Ethyl Benzene	11.51	91	798375	19.277	ug/l	100
67) m/p-Xylenes	11.62	106	593412	38.283	ug/l	98
68) o-Xylene	11.95	106	291305	19.224	ug/l	97
69) Styrene	11.96	104	448028	18.403	ug/l	99
70) Isopropylbenzene	12.25	105	771440	18.989	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	212863	19.127	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	258830	27.560	ug/l	70
73) Bromobenzene	12.53	156	195033	18.116	ug/l	94
74) n-propylbenzene	12.59	91	772370	18.303	ug/l	98
75) 2-Chlorotoluene	12.67	91	497083	18.982	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	650676	19.257	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	62457	17.331	ug/l	91
78) 4-Chlorotoluene	12.77	91	435636	17.780	ug/l	99
79) tert-butylbenzene	12.99	119	569299	18.908	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	608292	19.086	ug/l	99
81) sec-Butylbenzene	13.17	105	684090	18.432	ug/l	99
82) p-Isopropyltoluene	13.29	119	603488	18.150	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	274676	17.418	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	255990	17.391	ug/l	99
85) n-Butylbenzene	13.62	91	460596	18.629	ug/l	99
86) Hexachloroethane	13.88	117	118879	18.575	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	266614	17.896	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24012	16.098	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	66766	12.666	ug/l	98
90) Hexachlorobutadiene	15.01	225	129134	19.197	ug/l	99
91) Naphthalene	15.13	128	132940	11.669	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	68042	13.614	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration

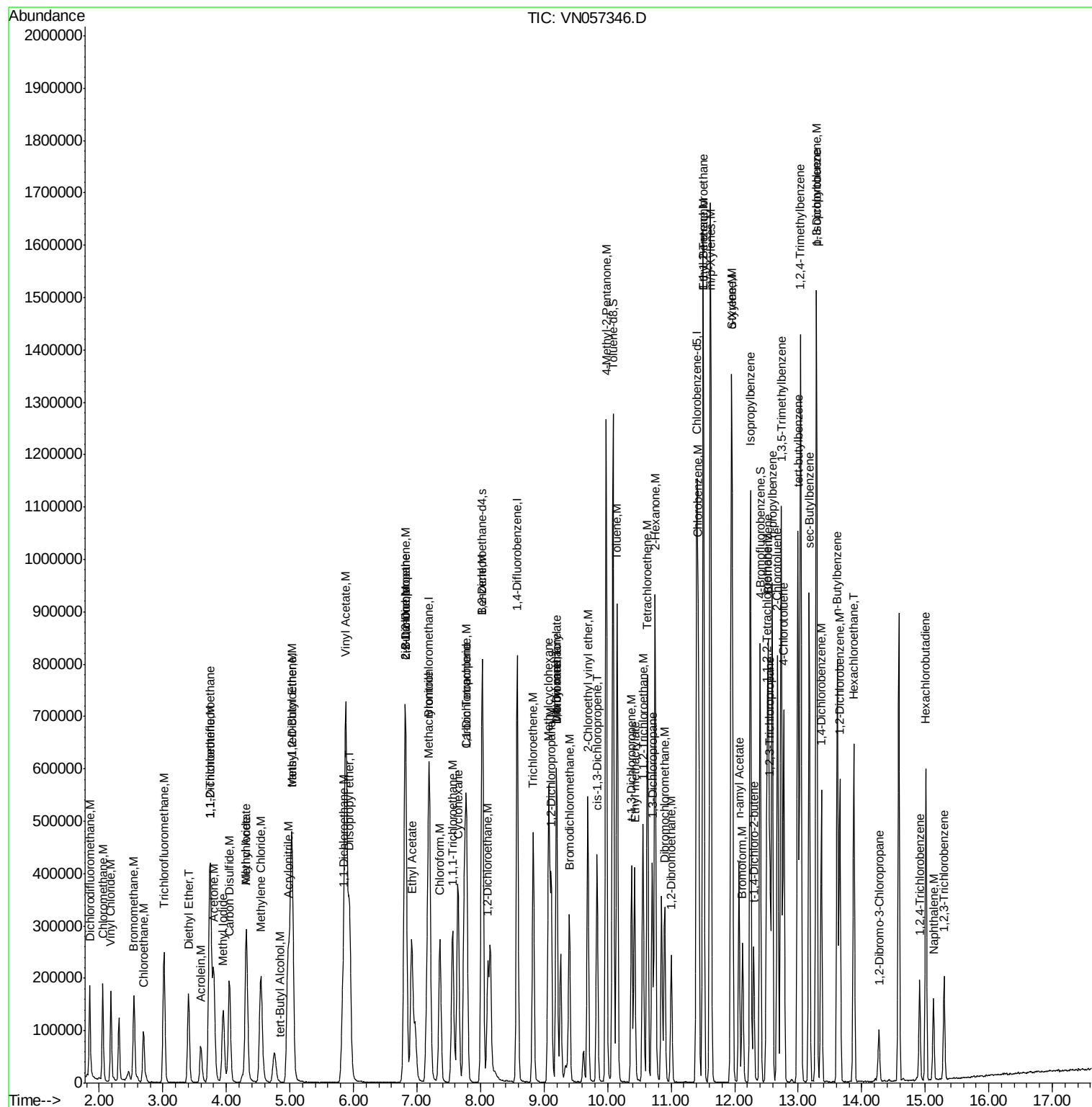
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

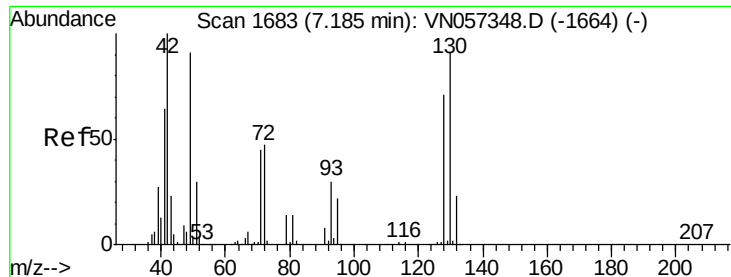
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
Data File : VN057346.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Aug 17 03:20:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

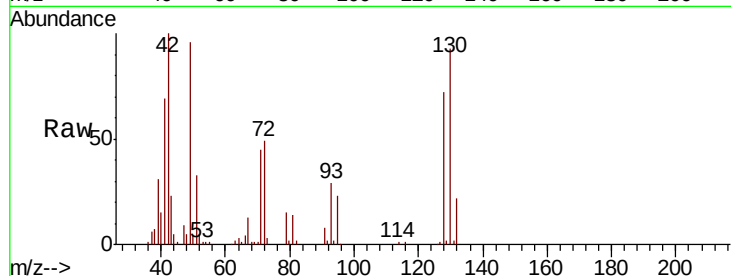
Tgt Ion:128 Resp: 141188

Ion Ratio Lower Upper

128 100

49 136.5 0.0 390.5

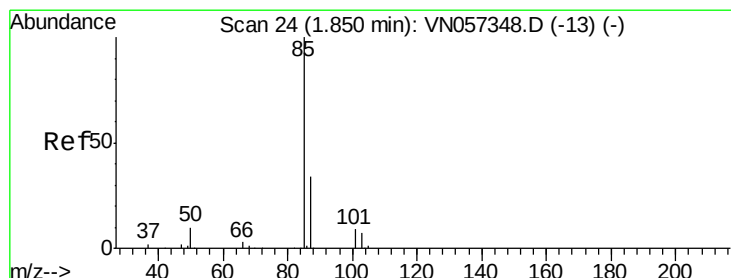
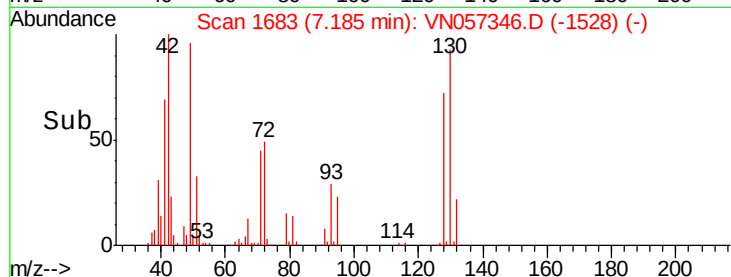
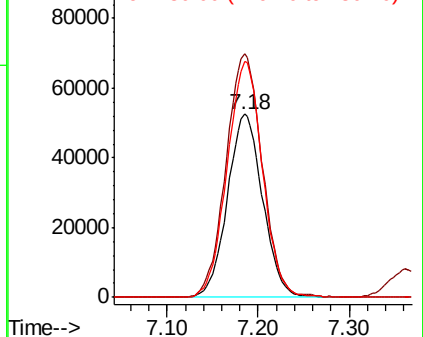
130 129.4 0.0 316.5



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: 20.666 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN057346.D

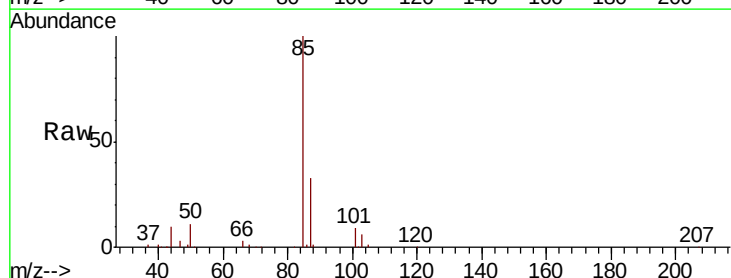
Acq: 16 Aug 2019 11:04

Tgt Ion: 85 Resp: 150719

Ion Ratio Lower Upper

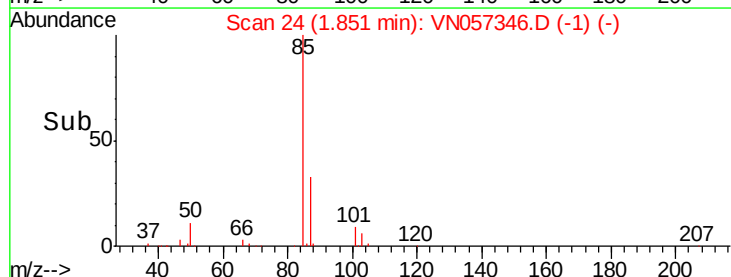
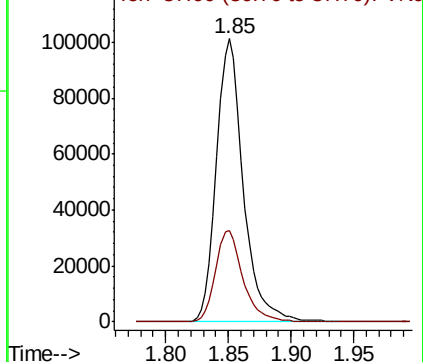
85 100

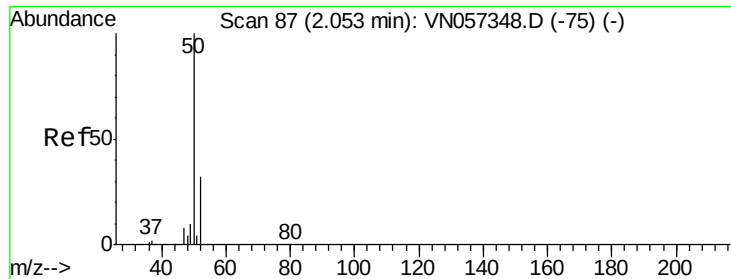
87 32.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.109 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

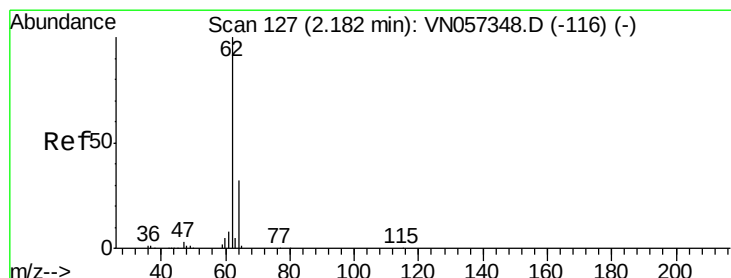
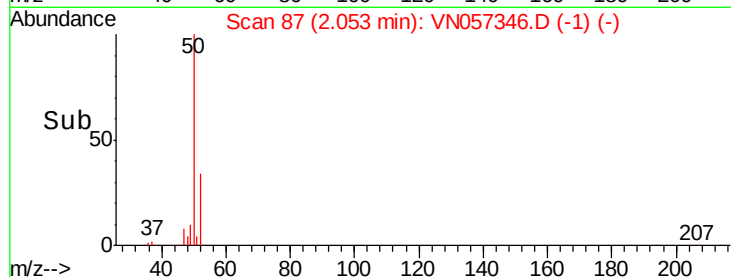
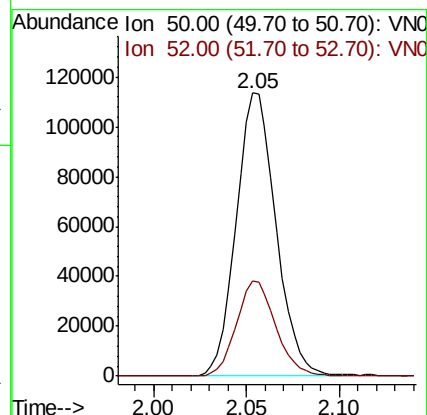
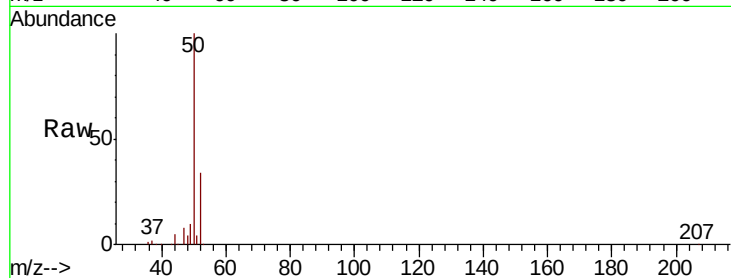
VSTDCCC020

Tgt Ion: 50 Resp: 169131

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



#4

Vinyl Chloride

Concen: 20.195 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057346.D

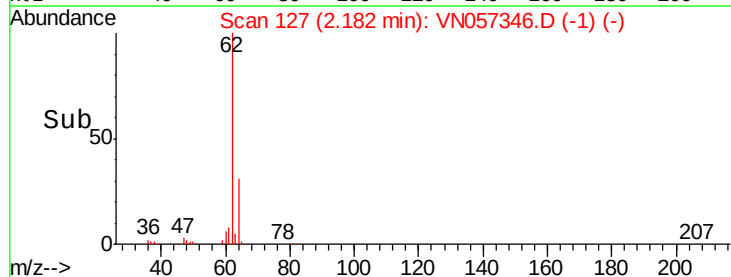
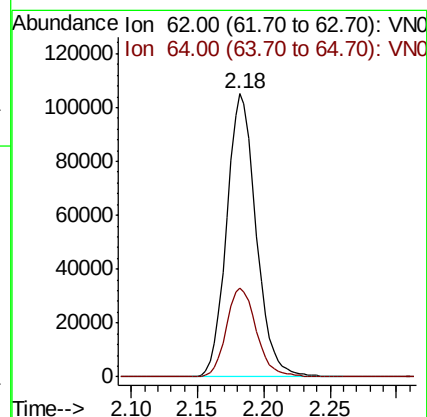
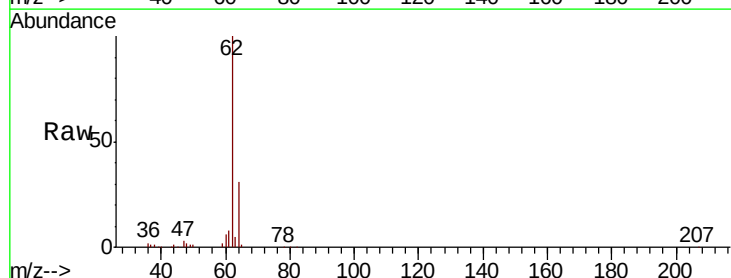
Acq: 16 Aug 2019 11:04

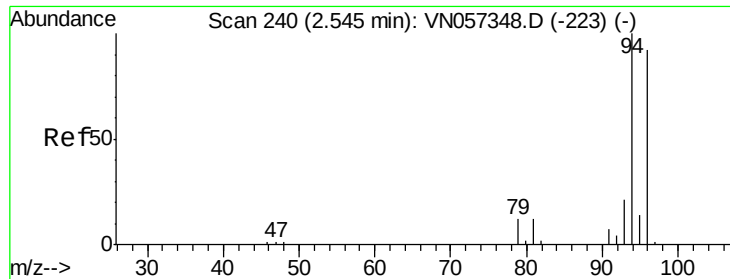
Tgt Ion: 62 Resp: 162498

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4

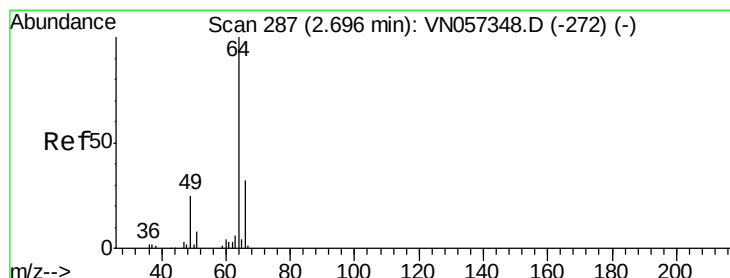
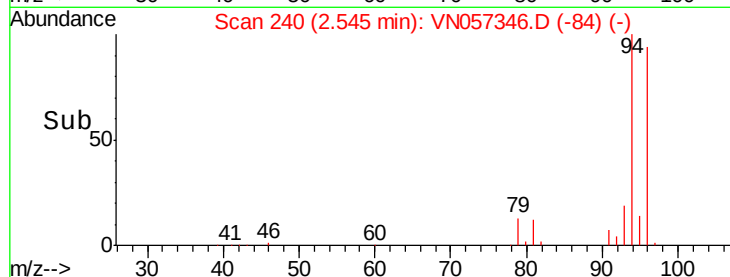
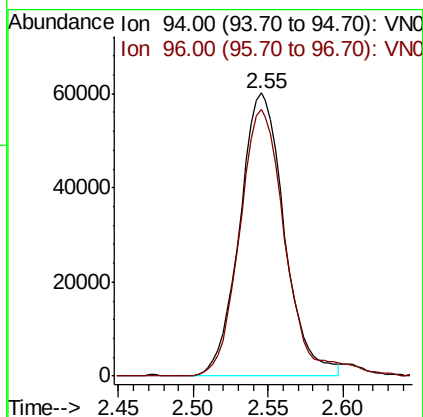
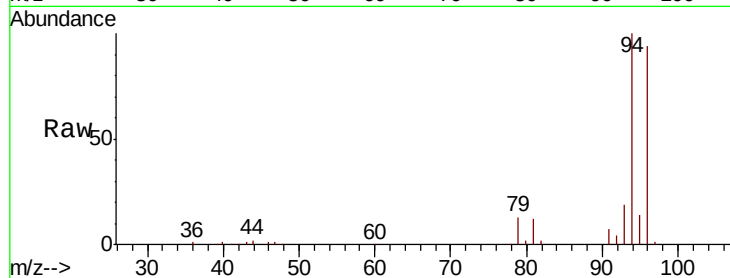




#5
Bromomethane
Concen: 19.776 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

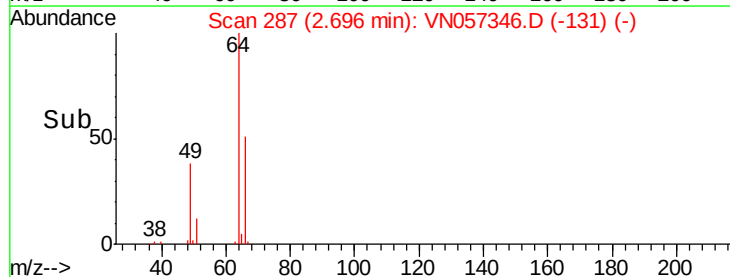
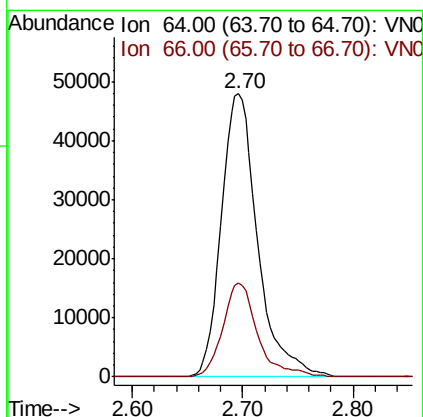
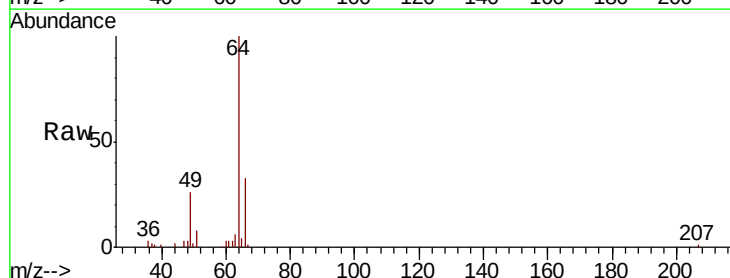
Instrument :
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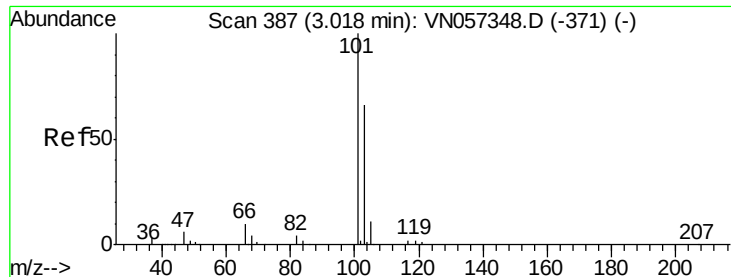
Tgt Ion: 94 Resp: 123818
Ion Ratio Lower Upper
94 100
96 94.6 72.8 109.2



#6
Chloroethane
Concen: 19.866 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 64 Resp: 109497
Ion Ratio Lower Upper
64 100
66 33.0 25.7 38.5



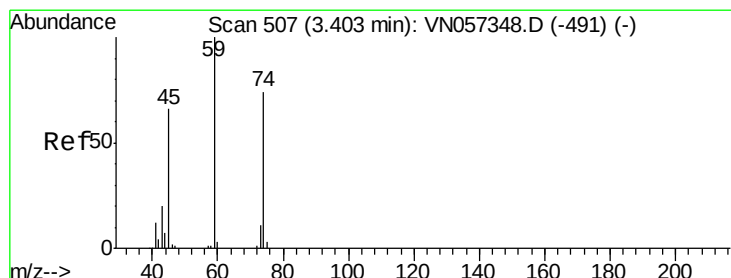
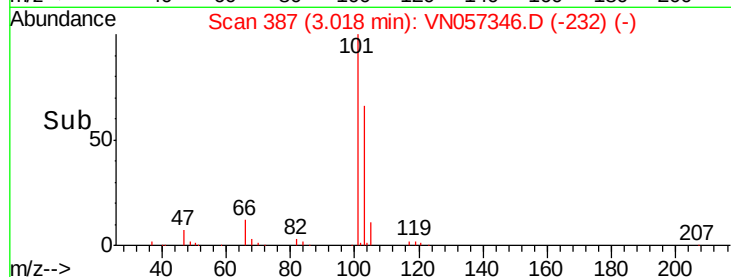
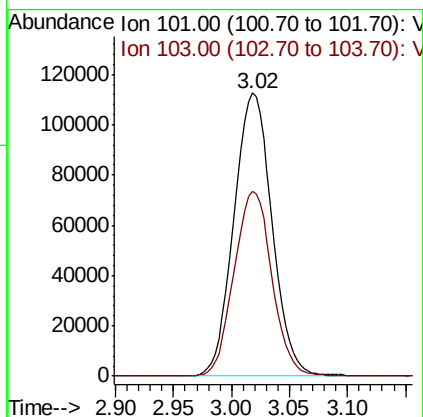
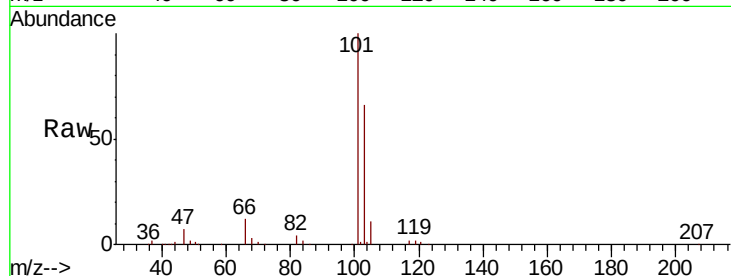


#7

Trichlorofluoromethane
 Concen: 19.959 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

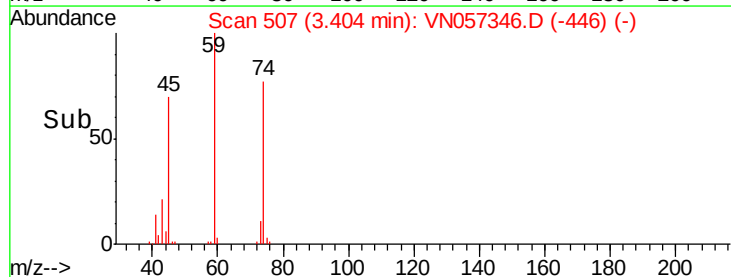
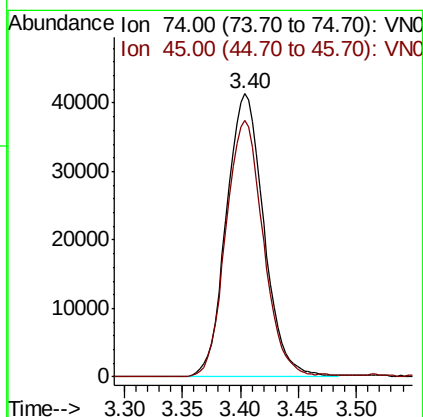
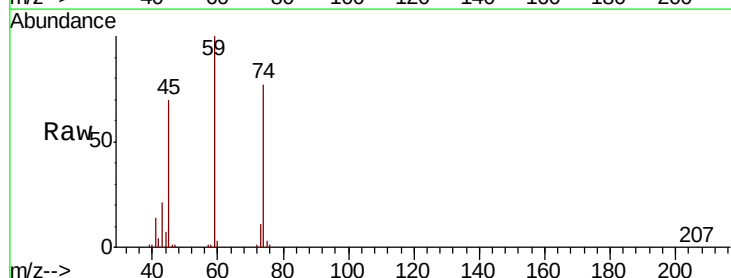
Tgt Ion:101 Resp: 257385
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.8 79.2

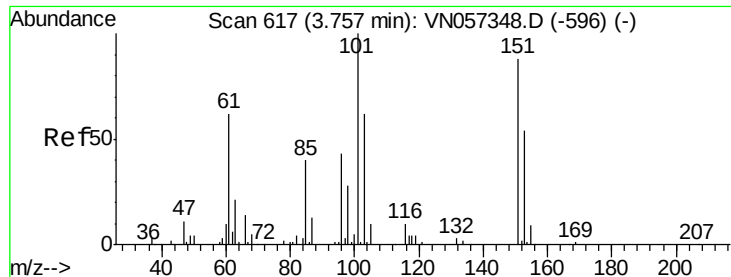


#8

Diethyl Ether
 Concen: 19.562 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 74 Resp: 92842
 Ion Ratio Lower Upper
 74 100
 45 89.9 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.409 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

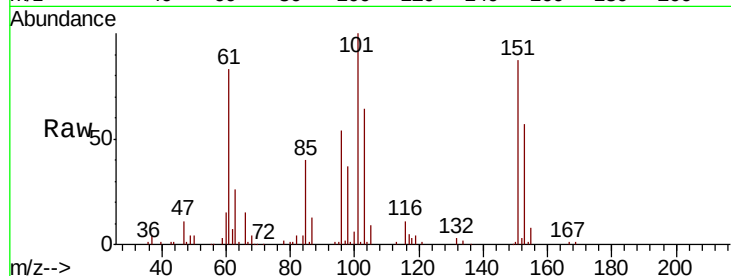
Tgt Ion: 101 Resp: 156721

Ion Ratio Lower Upper

101 100

85 39.9 0.0 84.2

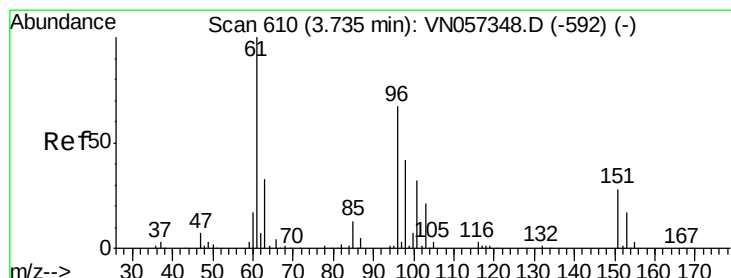
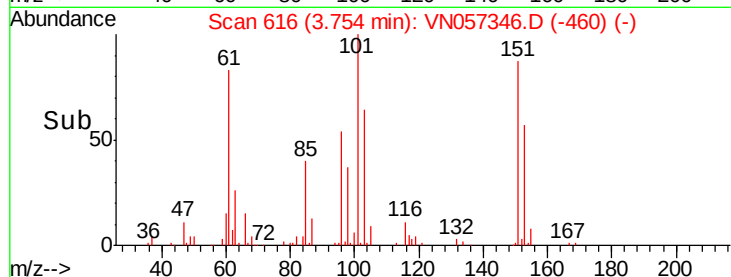
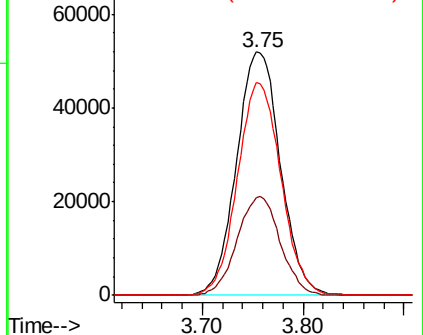
151 86.5 0.0 167.6



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: 19.598 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

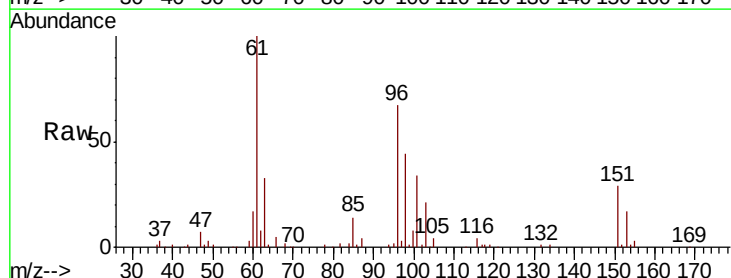
Tgt Ion: 96 Resp: 149257

Ion Ratio Lower Upper

96 100

61 148.4 129.0 193.4

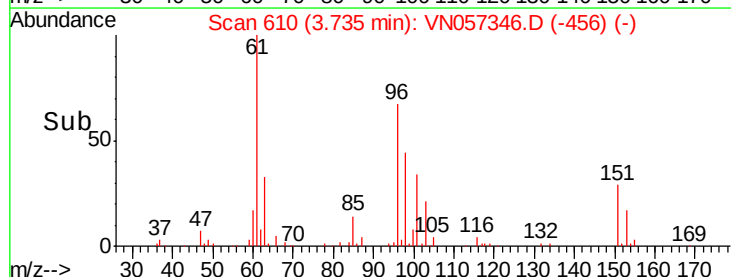
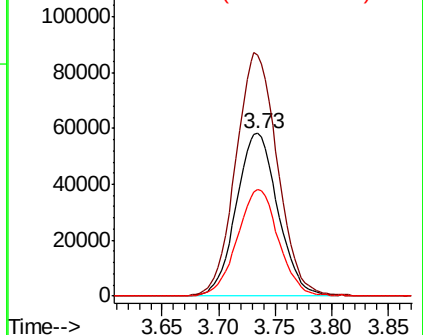
98 65.1 52.5 78.7

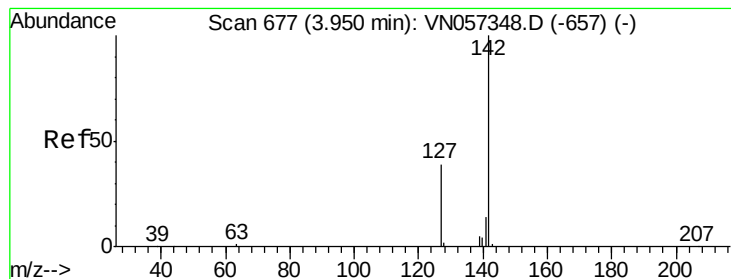


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 19.093 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

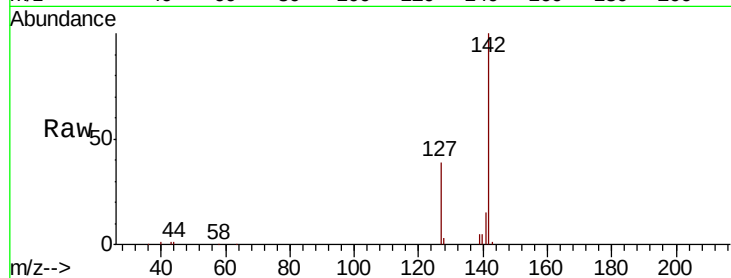
Tgt Ion:142 Resp: 245203

Ion Ratio Lower Upper

142 100

127 38.9 19.5 58.5

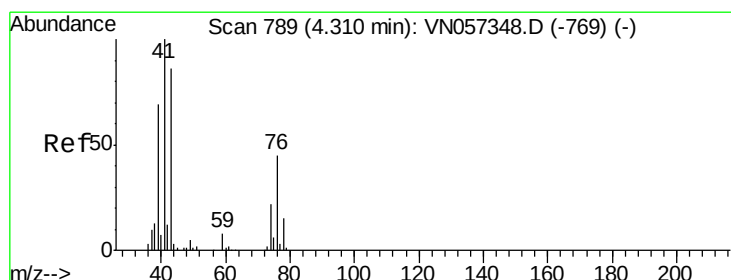
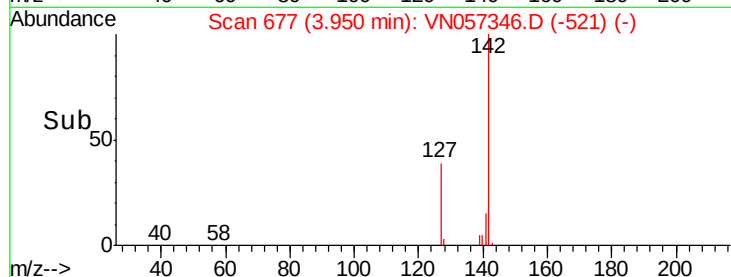
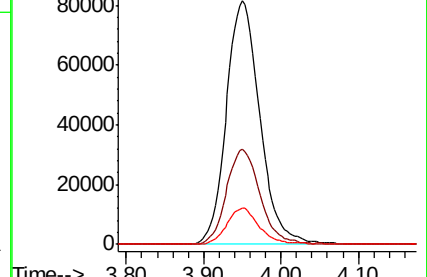
141 14.9 6.8 20.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.265 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057346.D

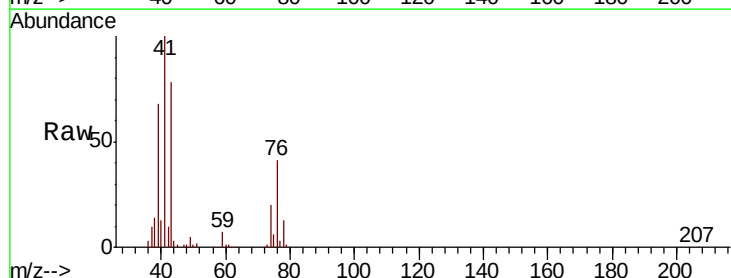
Acq: 16 Aug 2019 11:04

Tgt Ion: 43 Resp: 164949

Ion Ratio Lower Upper

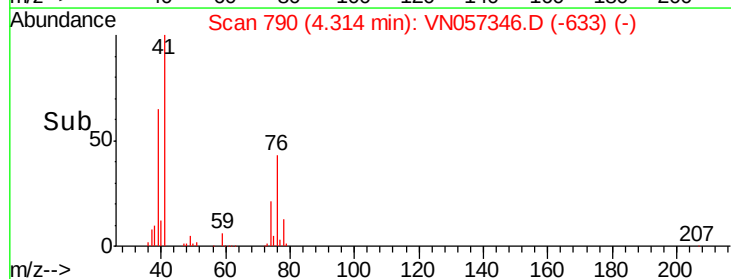
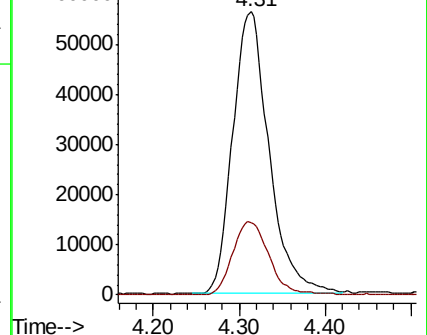
43 100

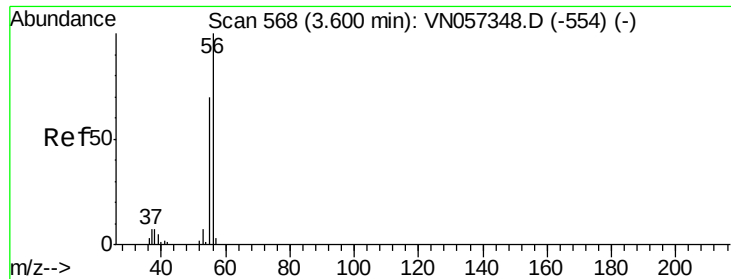
74 25.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V

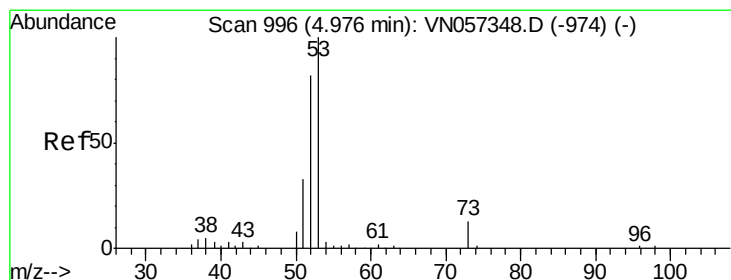
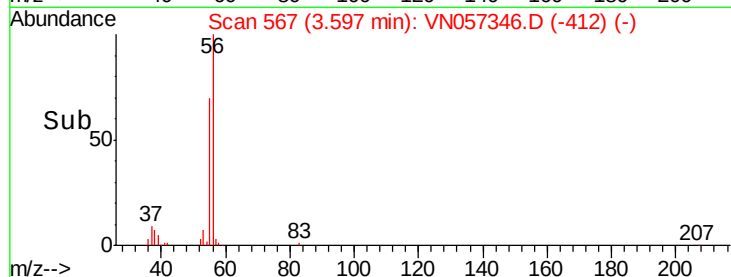
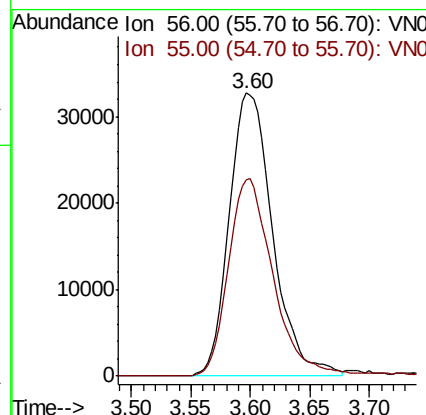
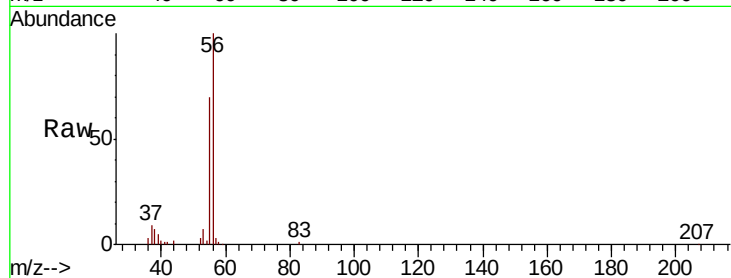




#13
Acrolein
Concen: 102.546 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

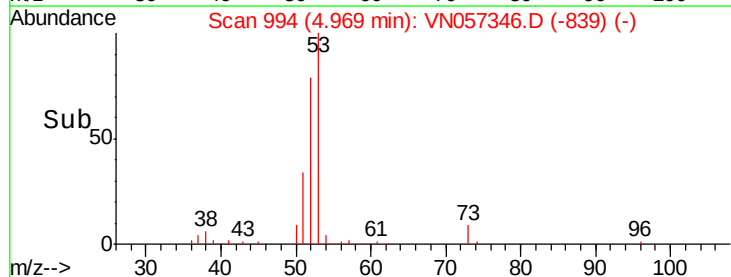
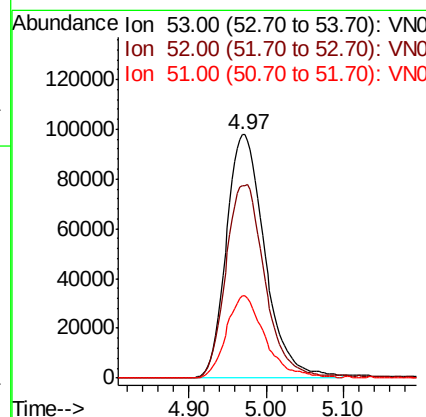
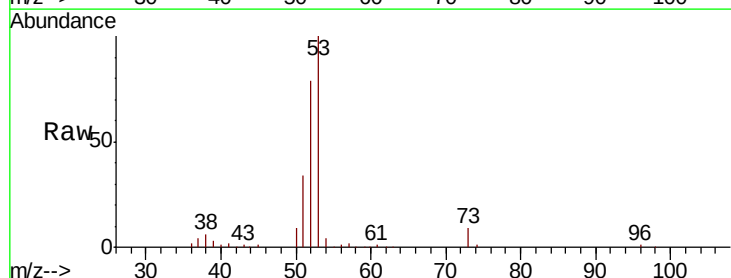
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

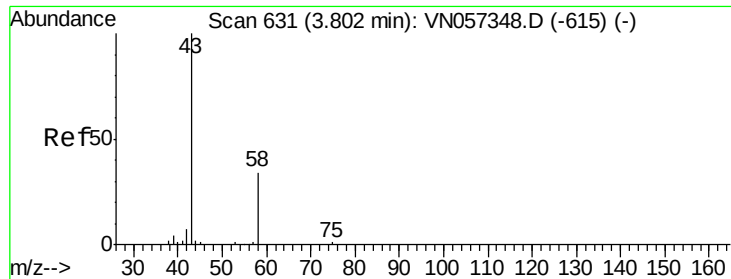
Tgt Ion: 56 Resp: 83028
Ion Ratio Lower Upper
56 100
55 71.3 56.9 85.3



#14
Acrylonitrile
Concen: 97.730 ug/l
RT: 4.97 min Scan# 994
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 53 Resp: 338972
Ion Ratio Lower Upper
53 100
52 80.2 41.3 123.7
51 33.8 17.7 53.1





#15

Acetone

Concen: 106.267 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

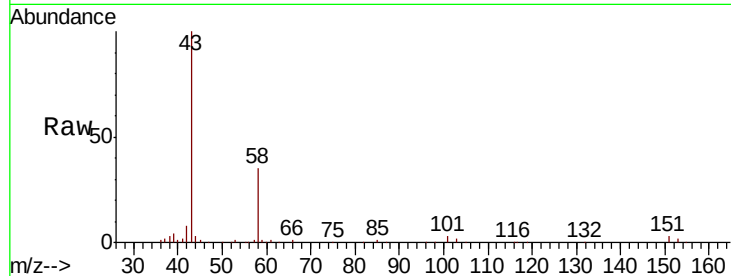
VSTDCCC020

Tgt Ion: 58 Resp: 108612

Ion Ratio Lower Upper

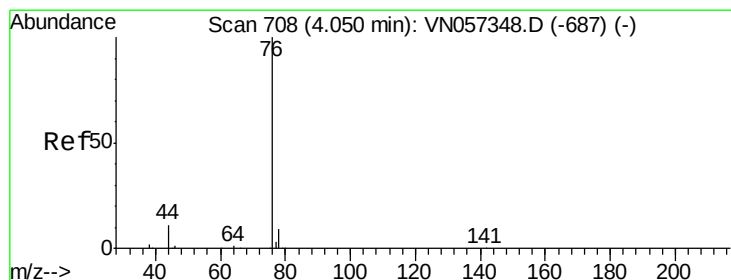
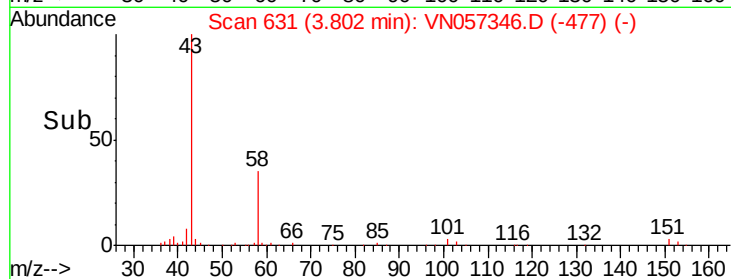
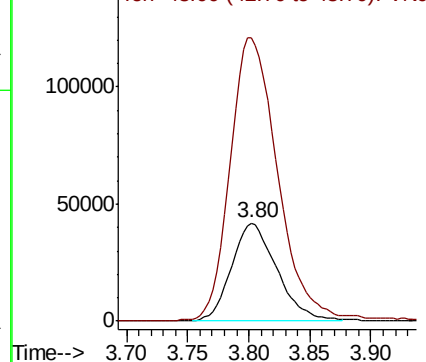
58 100

43 285.9 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.321 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057346.D

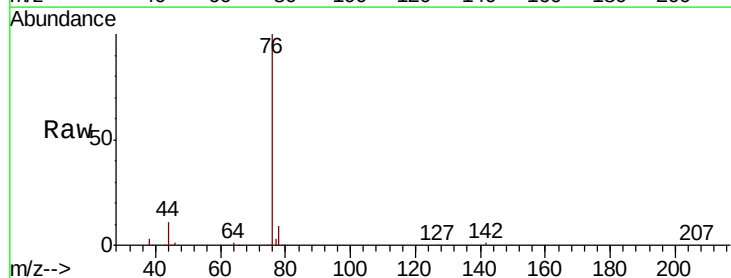
Acq: 16 Aug 2019 11:04

Tgt Ion: 76 Resp: 402211

Ion Ratio Lower Upper

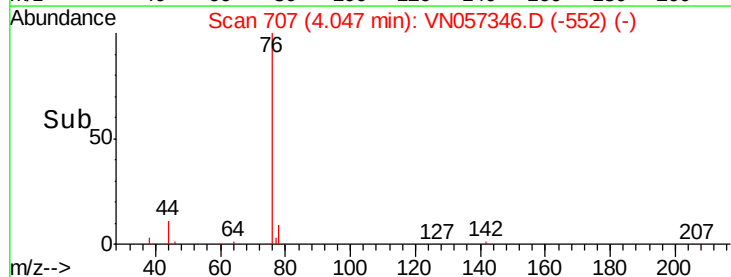
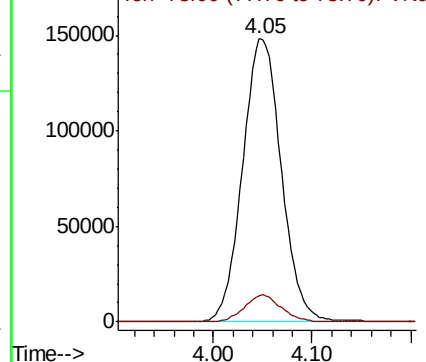
76 100

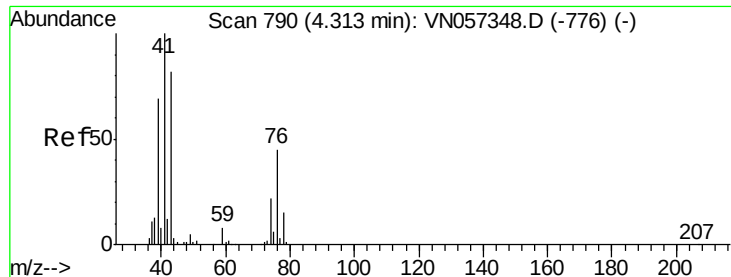
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

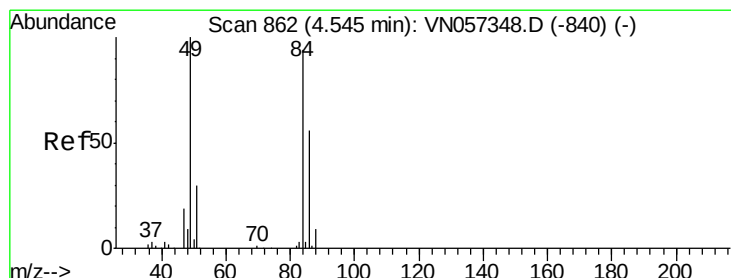
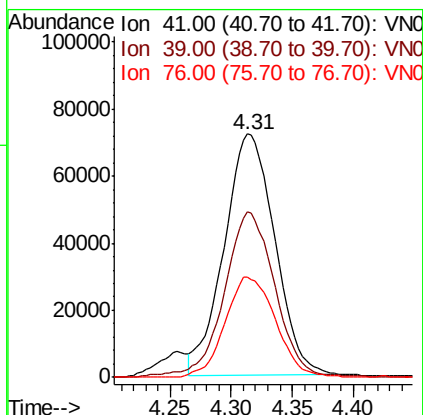
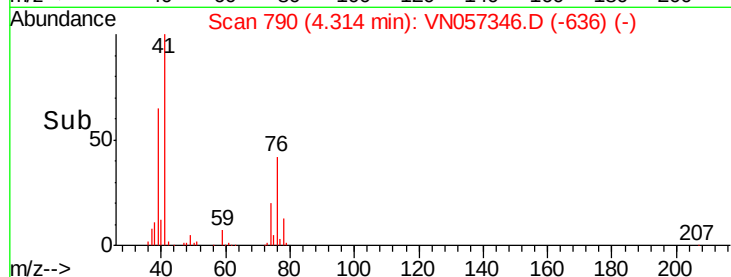
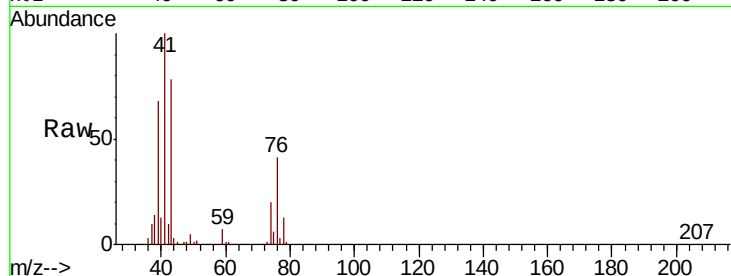




#17
 Allyl chloride
 Concen: 18.682 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

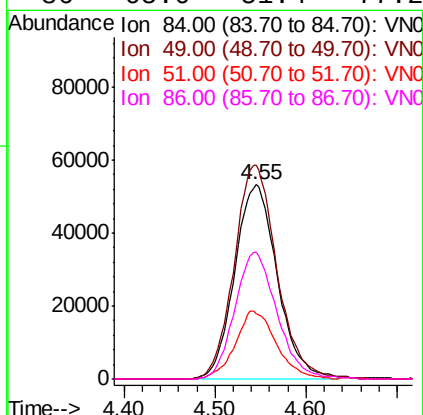
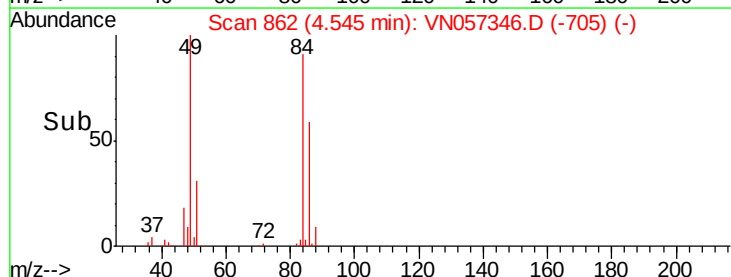
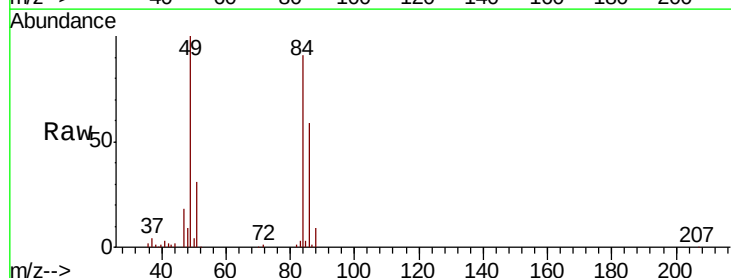
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

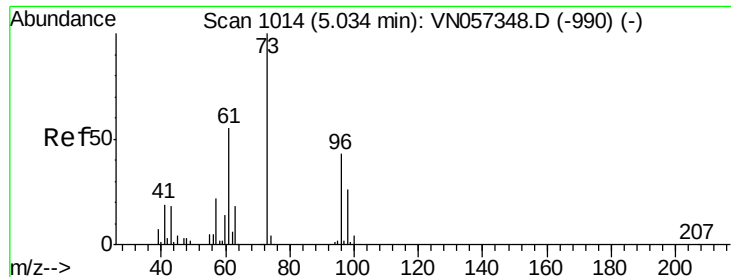
Tgt Ion: 41 Resp: 207816
 Ion Ratio Lower Upper
 41 100
 39 67.9 32.8 98.4
 76 41.3 18.5 55.5



#18
 Methylene Chloride
 Concen: 19.930 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 84 Resp: 173717
 Ion Ratio Lower Upper
 84 100
 49 109.9 93.9 140.9
 51 33.7 31.7 47.5
 86 65.0 51.4 77.2

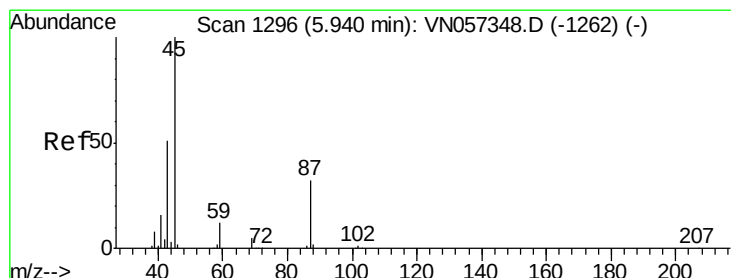
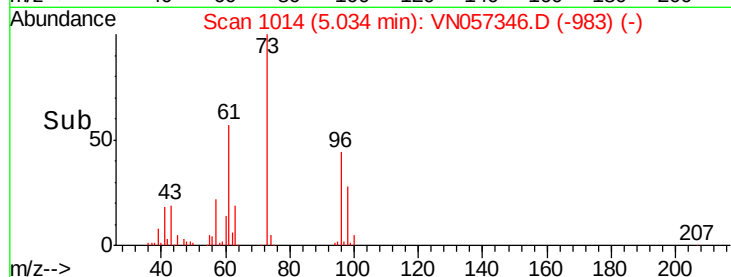
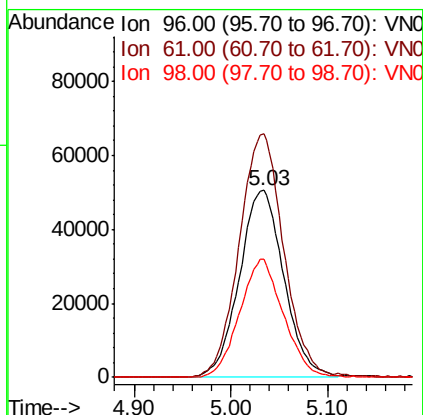
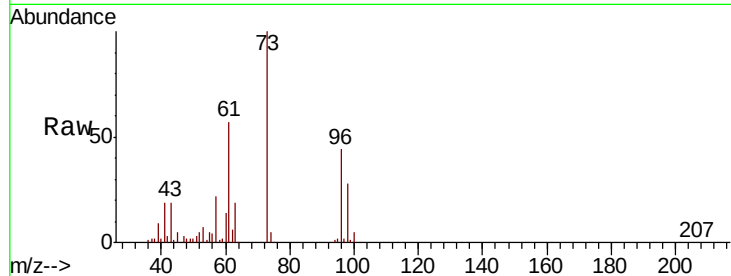




#19
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

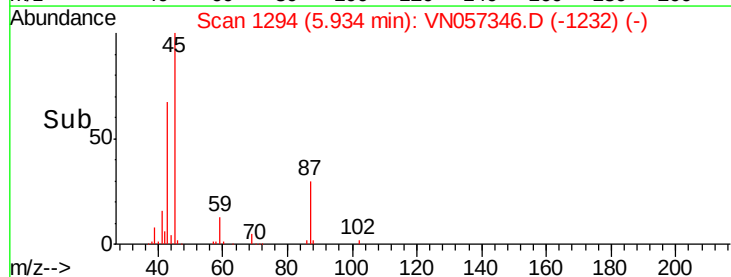
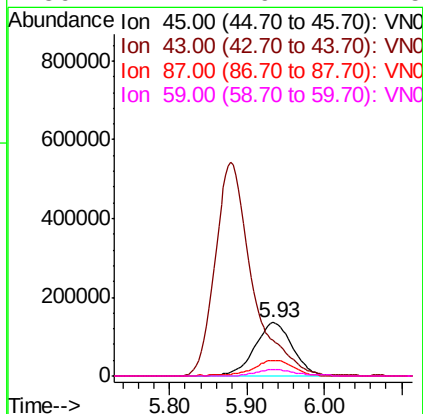
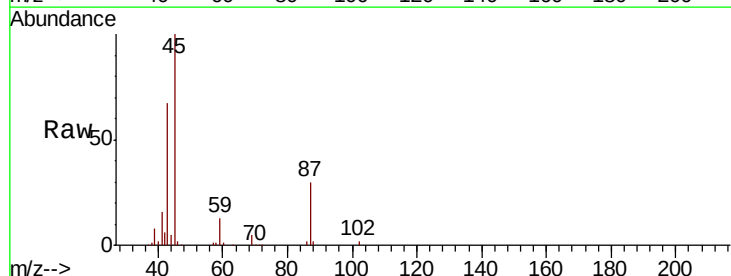
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

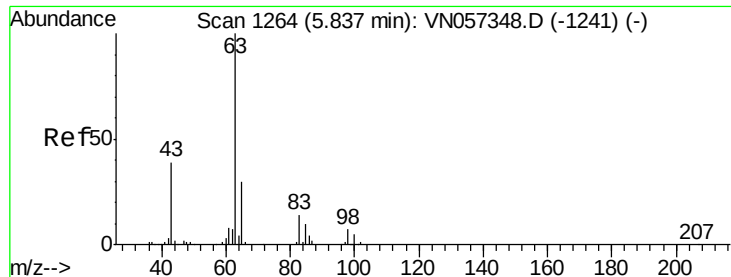
Tgt Ion: 96 Resp: 161899
Ion Ratio Lower Upper
96 100
61 130.3 109.6 164.4
98 63.3 51.4 77.2



#20
Diisopropyl ether
Concen: 19.933 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 45 Resp: 461706
Ion Ratio Lower Upper
45 100
43 64.8 50.3 75.5
87 29.5 21.4 32.0
59 12.2 9.7 14.5

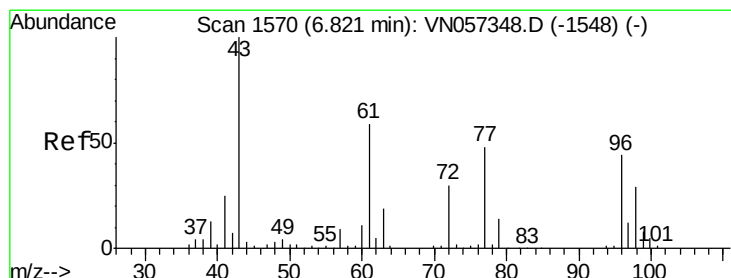
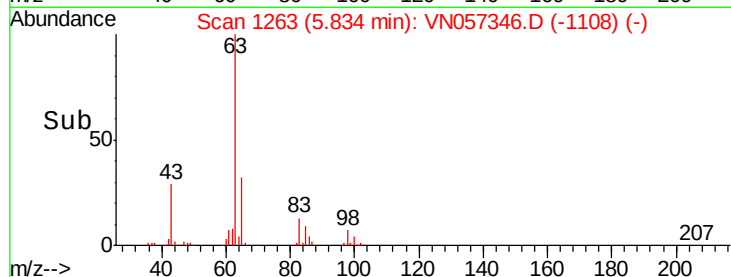
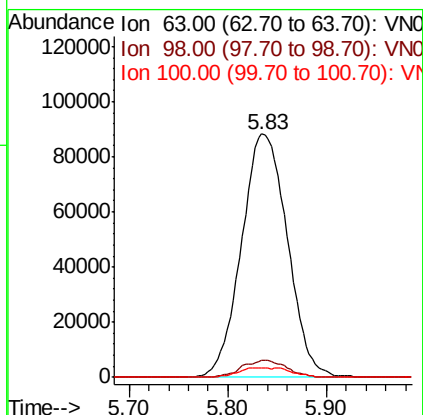
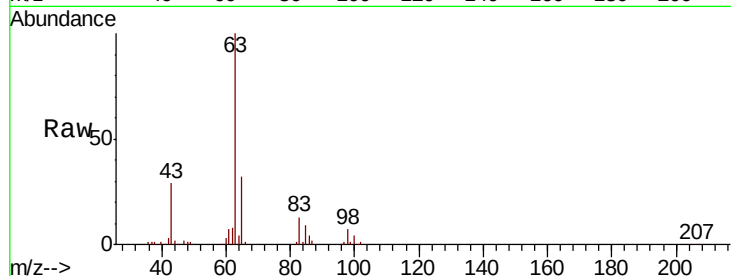




#21
 1,1-Dichloroethane
 Concen: 19.887 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

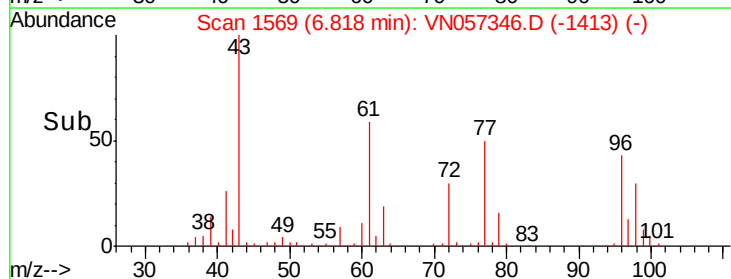
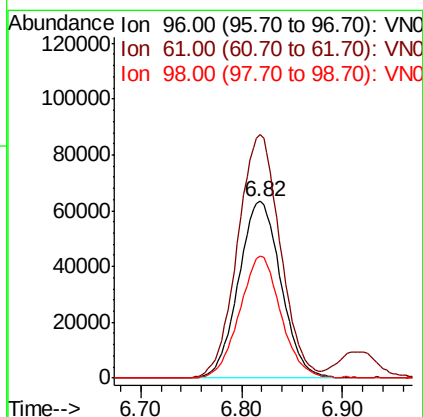
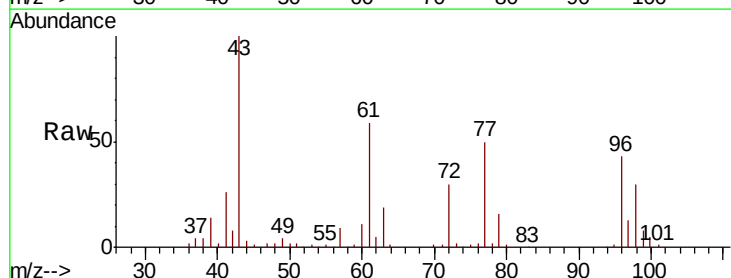
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

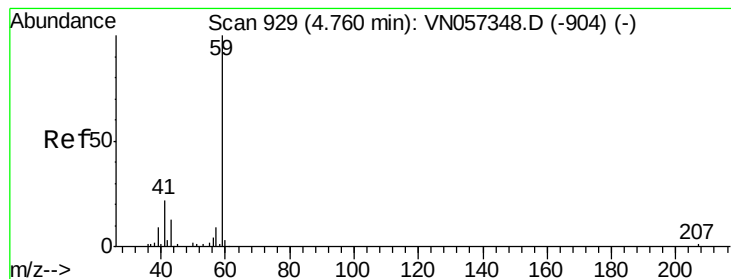
Tgt Ion: 63 Resp: 284620
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.1 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 19.308 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 96 Resp: 184523
 Ion Ratio Lower Upper
 96 100
 61 138.4 112.1 168.1
 98 67.3 52.2 78.2





#23

tert-Butyl Alcohol

Concen: 0.366 ug/l

RT: 4.85 min Scan# 958

Delta R.T. 0.10 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

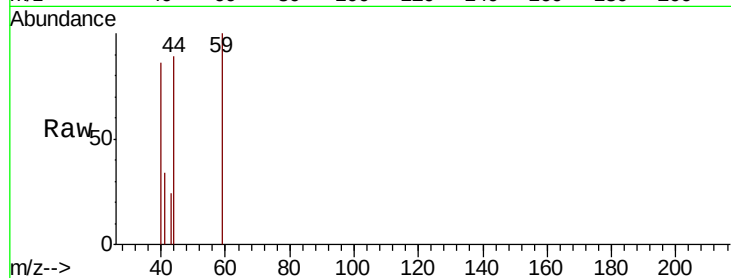
VSTDCCC020

Tgt Ion: 59 Resp: 453

Ion Ratio Lower Upper

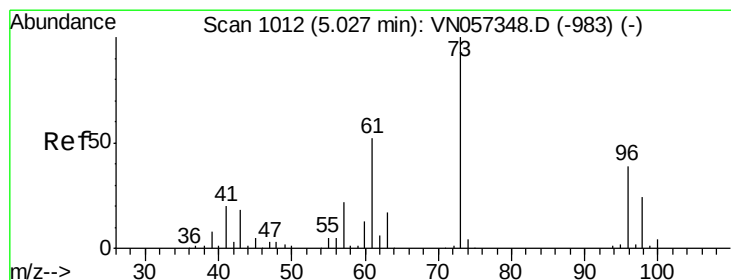
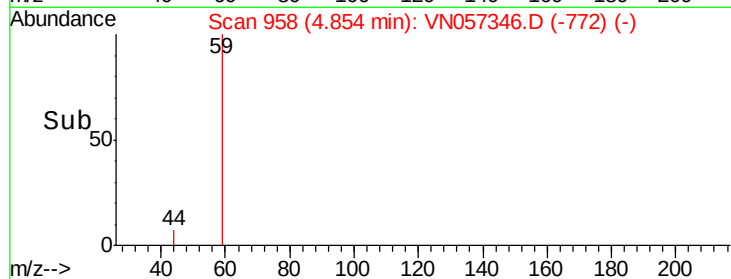
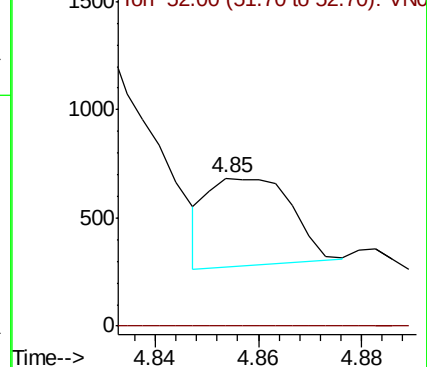
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.462 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN057346.D

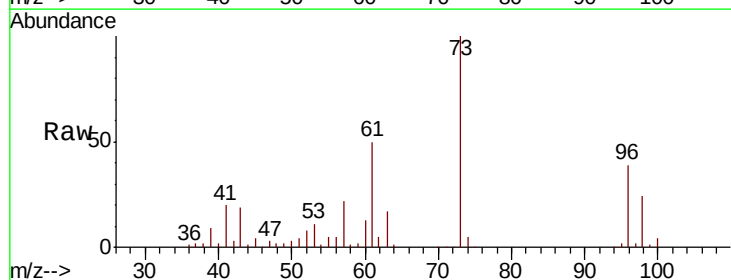
Acq: 16 Aug 2019 11:04

Tgt Ion: 73 Resp: 454838

Ion Ratio Lower Upper

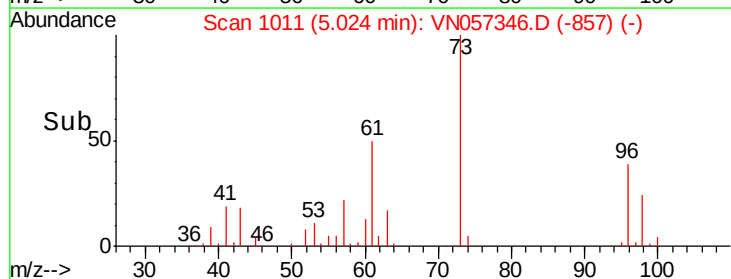
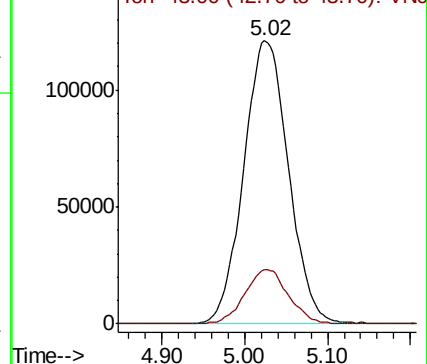
73 100

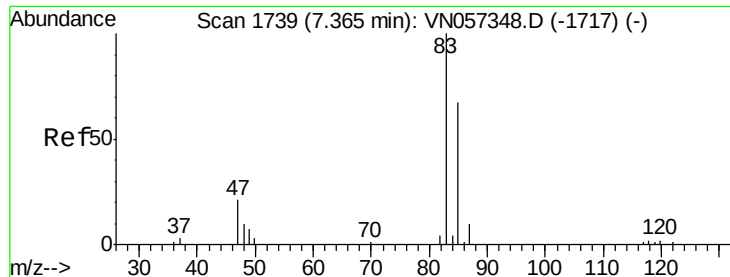
43 18.6 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

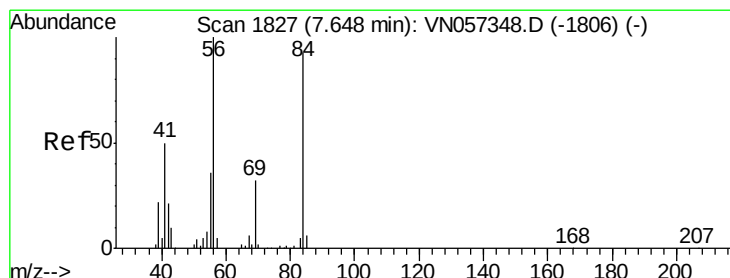
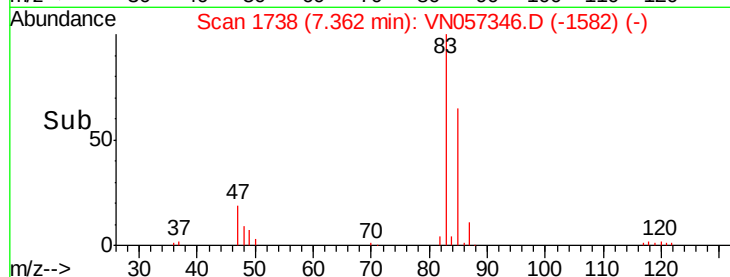
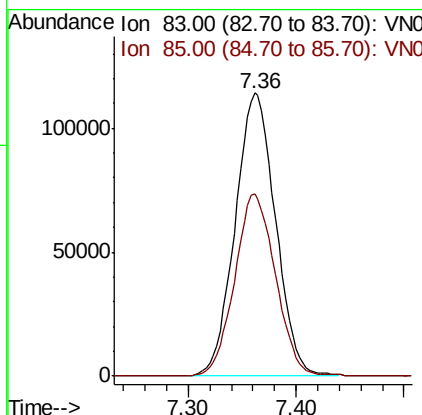
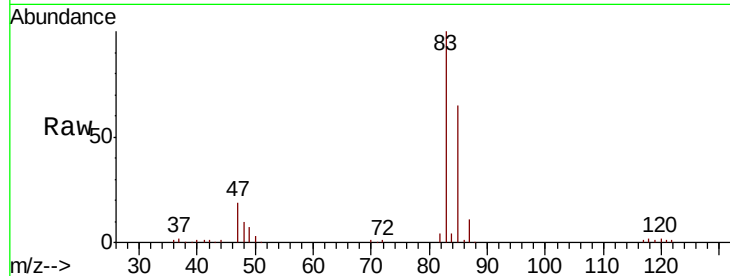




#25
Chloroform
Concen: 19.855 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

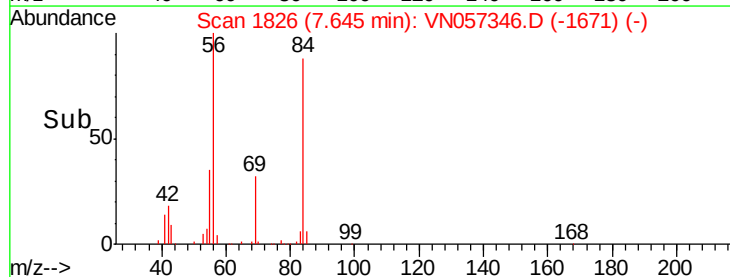
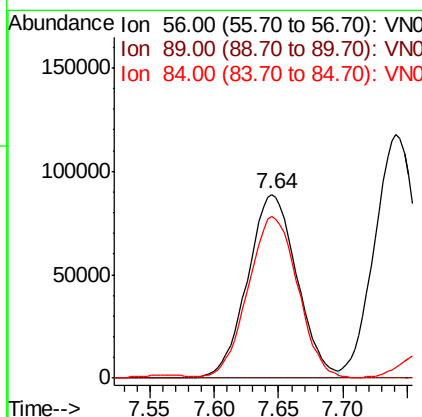
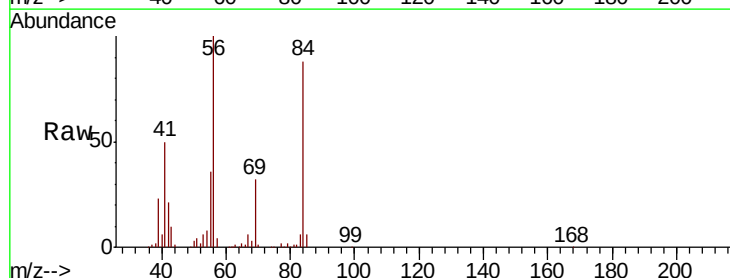
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

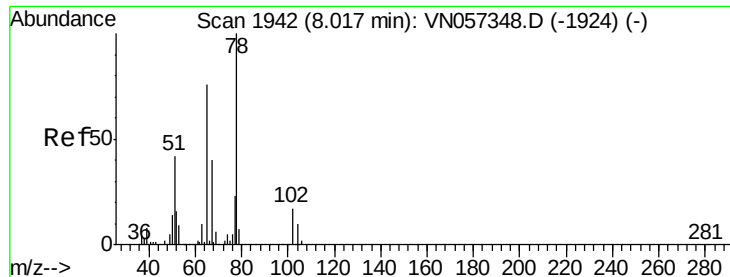
Tgt Ion: 83 Resp: 297013
Ion Ratio Lower Upper
83 100
85 64.4 52.6 79.0



#26
Cyclohexane
Concen: 19.924 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 56 Resp: 237035
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 88.2 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 30.514 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

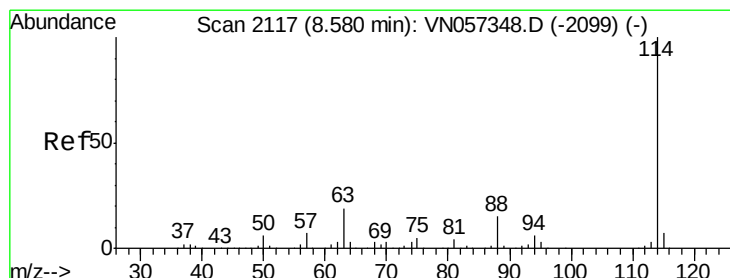
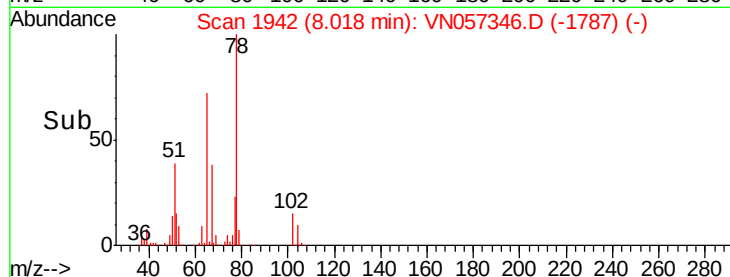
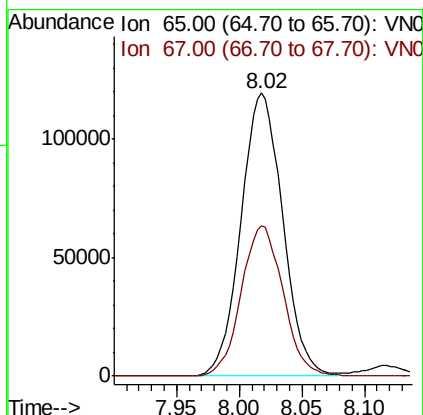
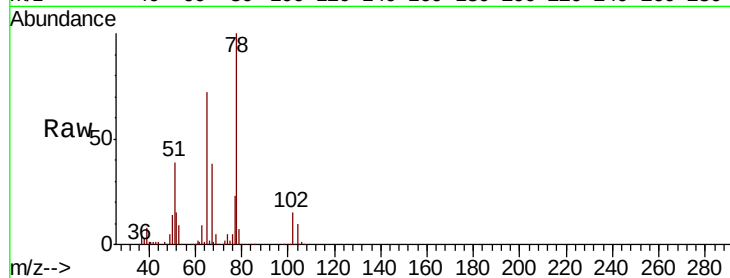
VSTDCCC020

Tgt Ion: 65 Resp: 276979

Ion Ratio Lower Upper

65 100

67 53.4 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

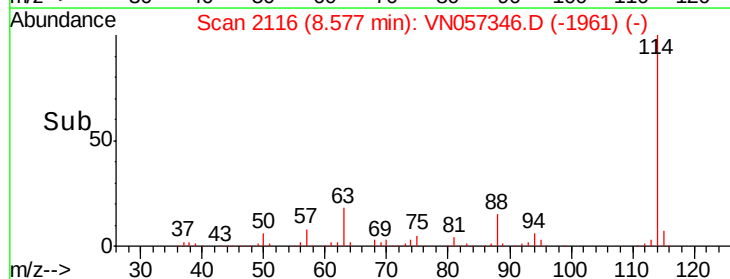
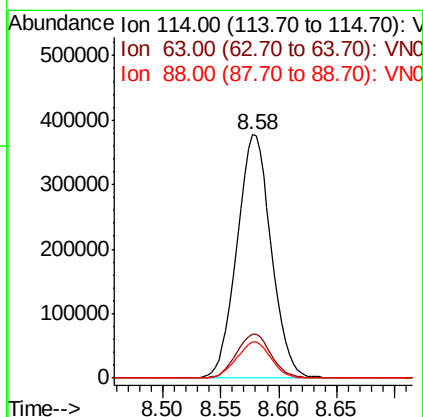
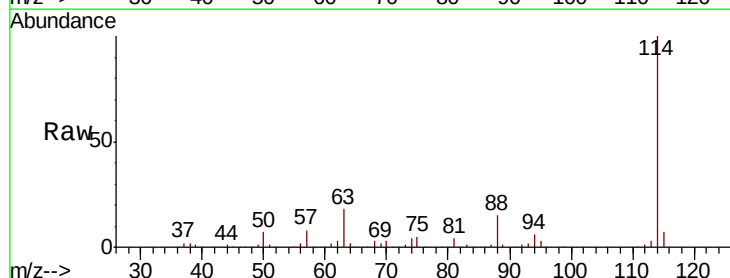
Tgt Ion: 114 Resp: 774007

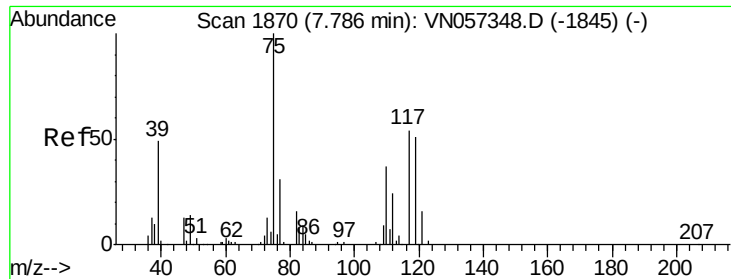
Ion Ratio Lower Upper

114 100

63 18.3 16.2 24.2

88 15.0 12.3 18.5

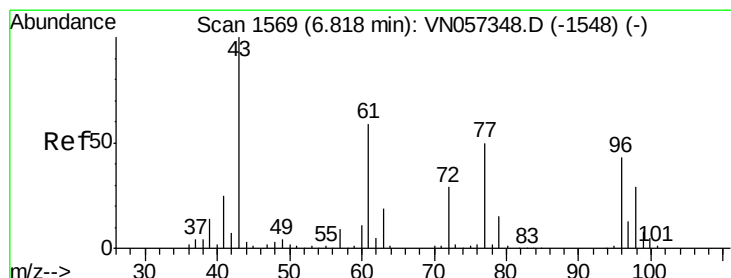
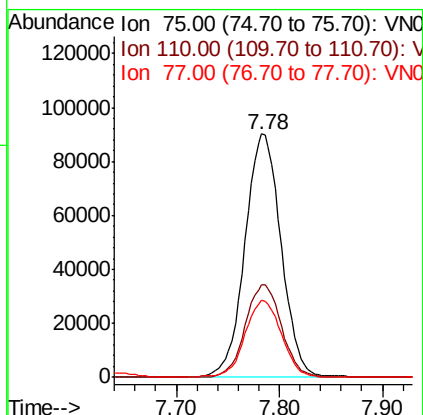
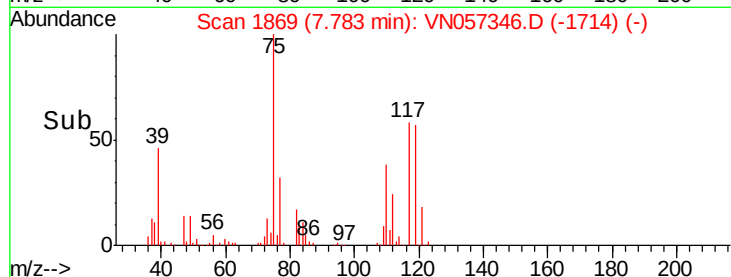
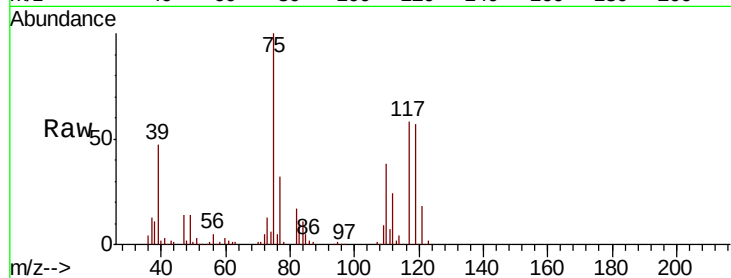




#29
 1,1-Dichloropropene
 Concen: 19.488 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

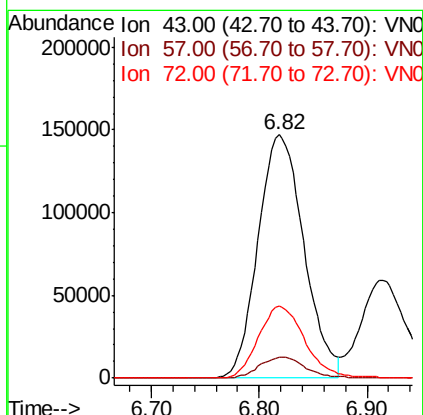
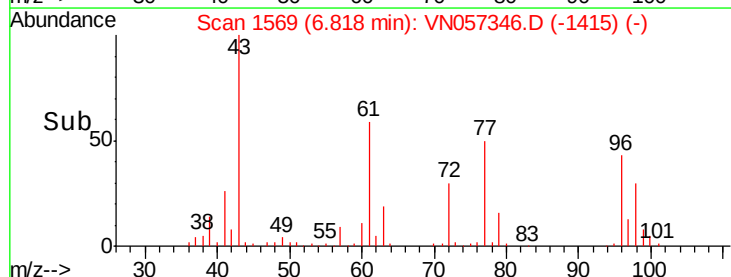
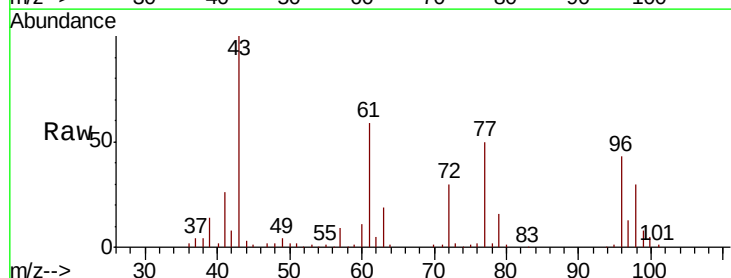
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

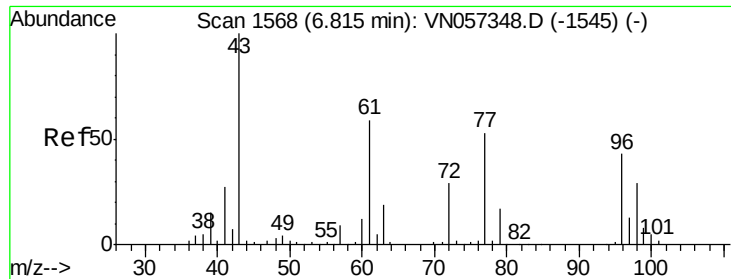
Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	0.0	72.4
77	31.9	0.0	62.2



#30
 2-Butanone
 Concen: 97.322 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	6.6	10.0
72	29.8	21.3	31.9

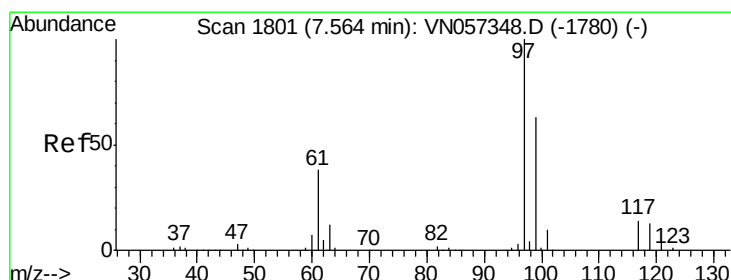
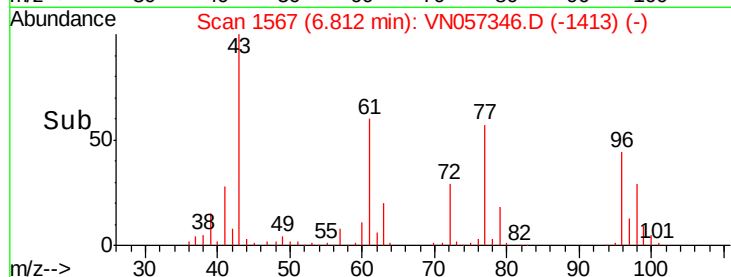
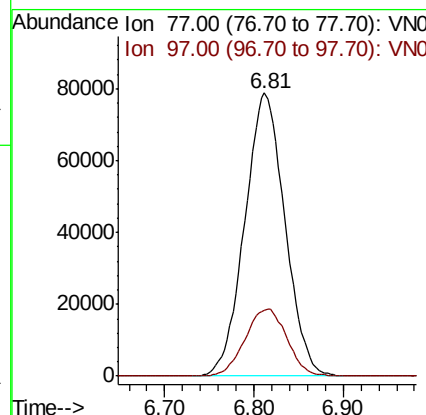
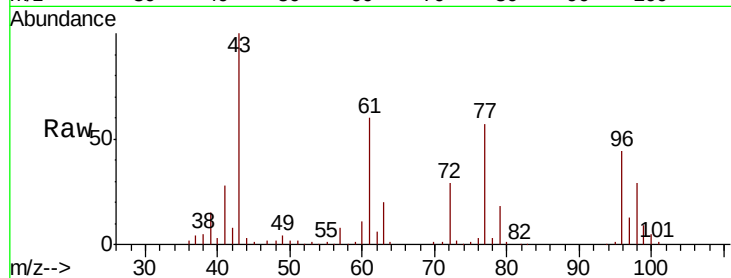




#31
 2,2-Dichloropropane
 Concen: 20.030 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

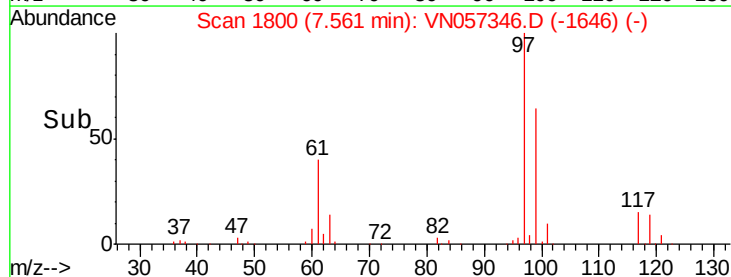
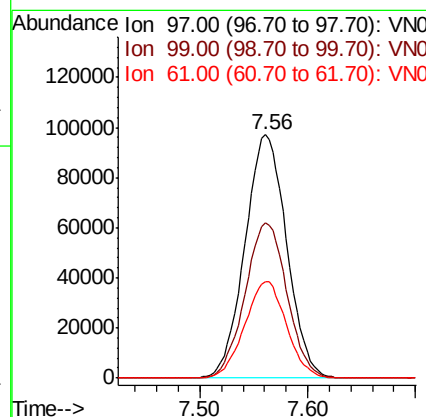
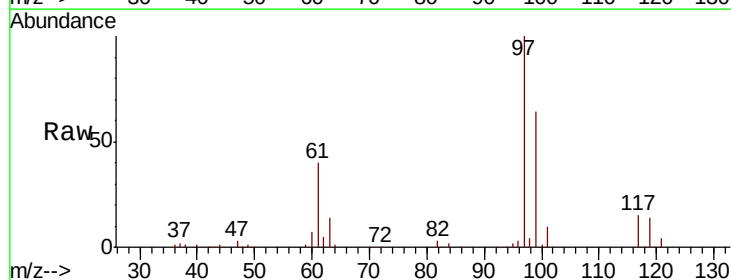
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

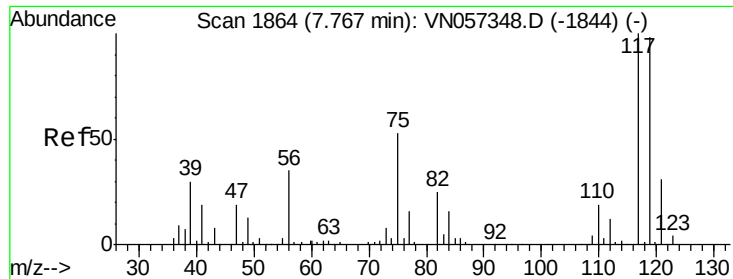
Tgt Ion: 77 Resp: 247053
 Ion Ratio Lower Upper
 77 100
 97 24.7 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 19.624 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 97 Resp: 261199
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 39.8 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.505 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

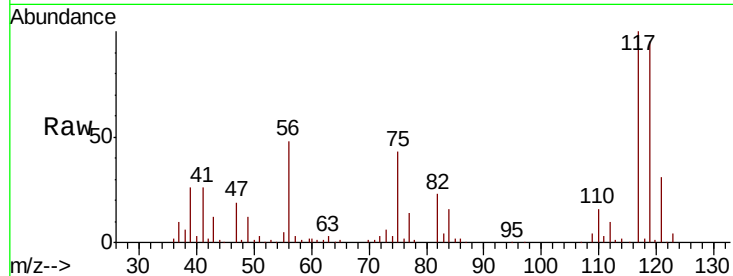
Tgt Ion:117 Resp: 231167

Ion Ratio Lower Upper

117 100

119 95.2 78.7 118.1

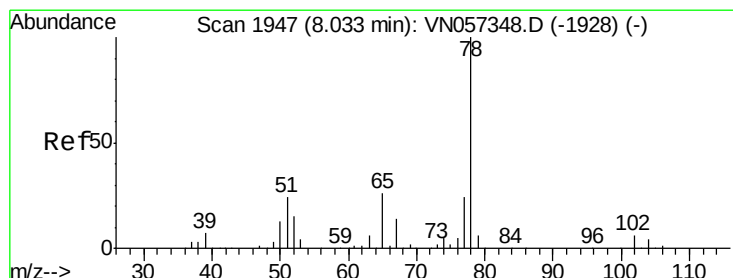
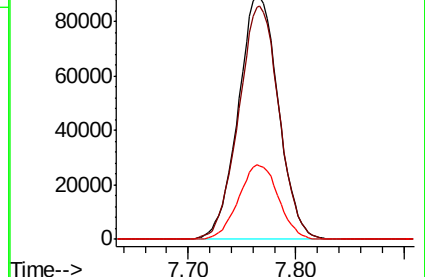
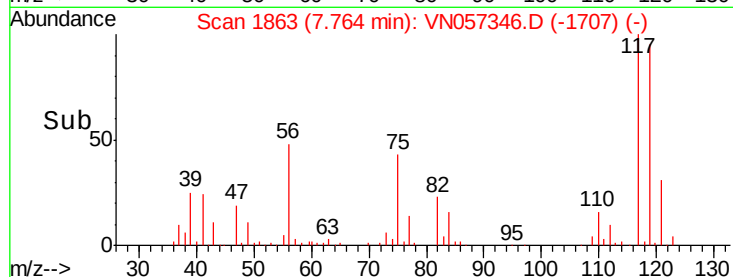
121 30.6 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.532 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

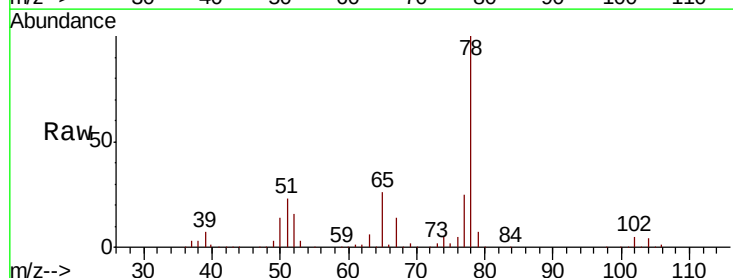
Tgt Ion: 78 Resp: 667151

Ion Ratio Lower Upper

78 100

77 25.2 19.0 28.4

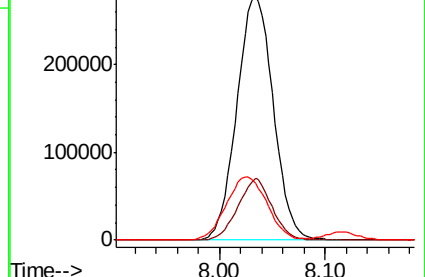
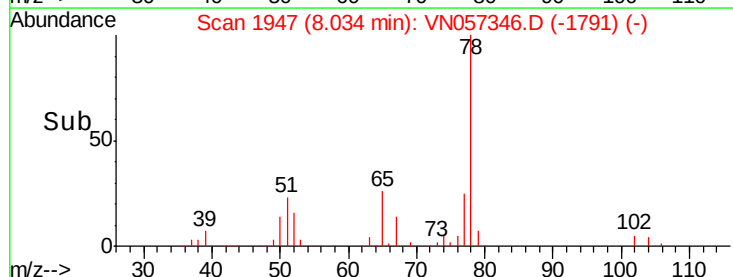
51 23.3 19.7 29.5

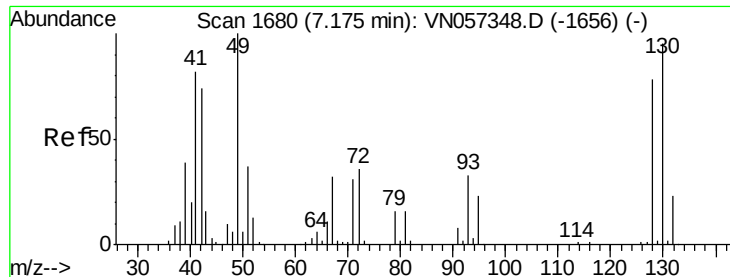


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

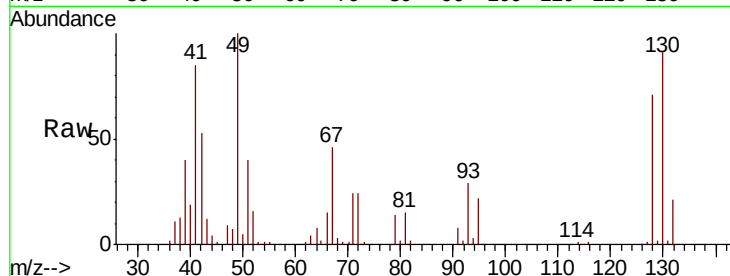




#35
Methacrylonitrile
Concen: 15.557 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:	41	Resp:	92837
Ion	Ratio	Lower	Upper
41	100		
39	46.7	25.4	76.2
67	53.9	33.6	100.8
52	19.2	12.9	38.7



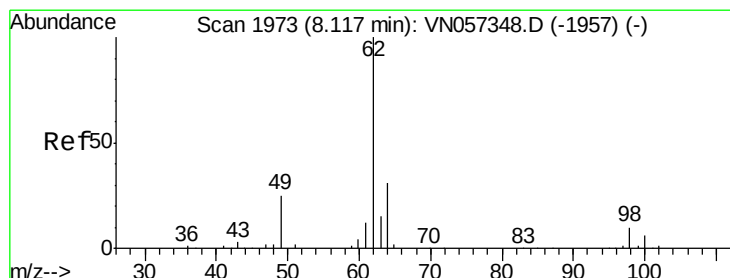
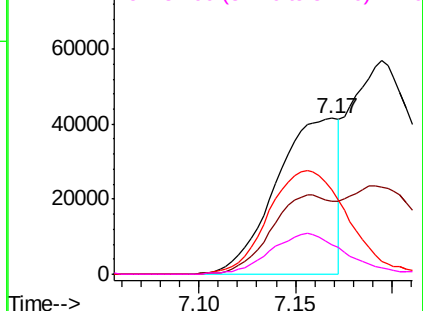
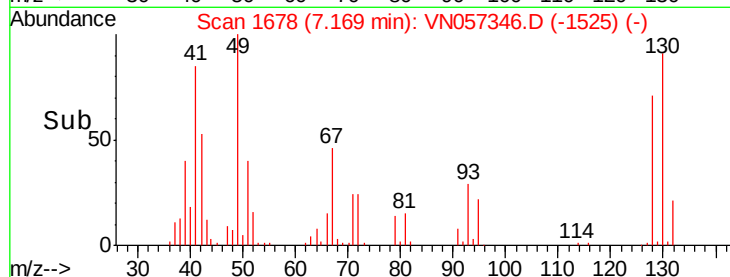
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

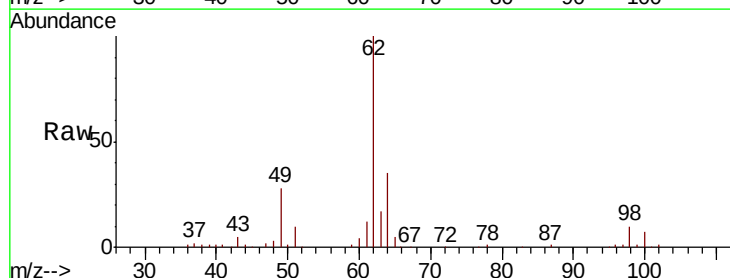
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.080 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

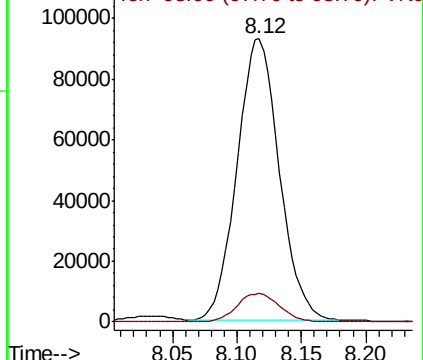
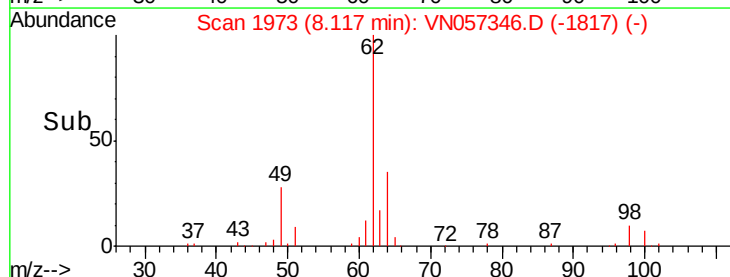
Tgt Ion:	62	Resp:	211804
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.7	11.5

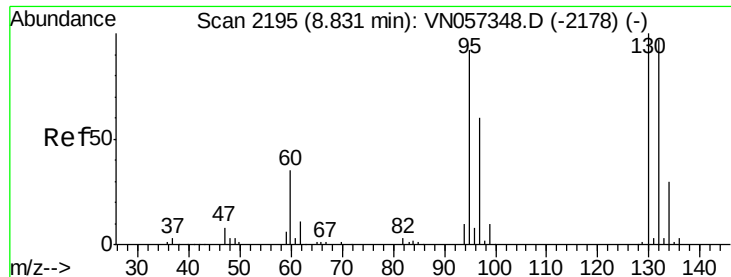


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

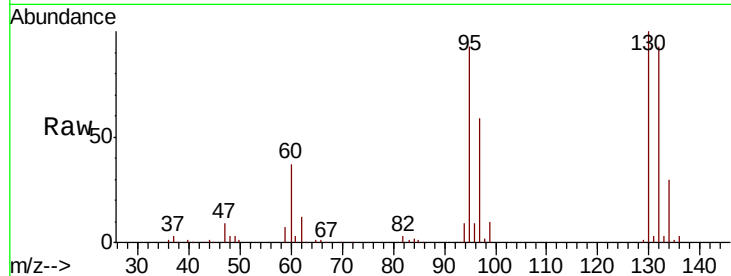




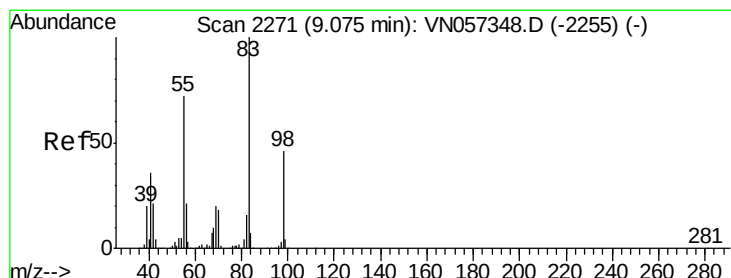
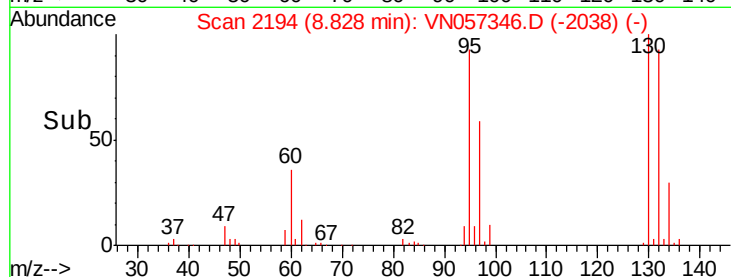
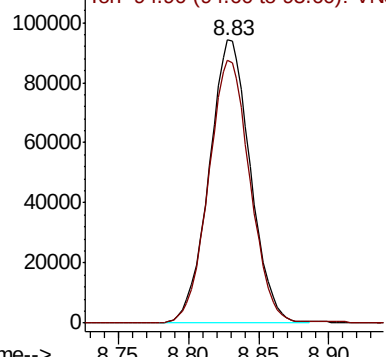
#37
 Trichloroethene
 Concen: 19.368 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion: 130 Resp: 192568
 Ion Ratio Lower Upper
 130 100
 95 92.7 78.4 117.6

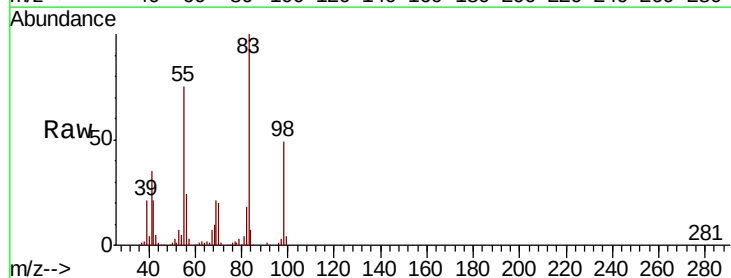


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

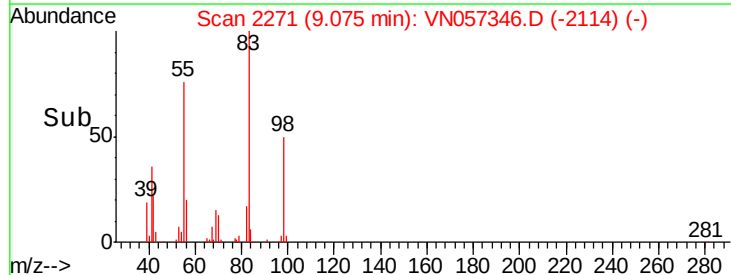
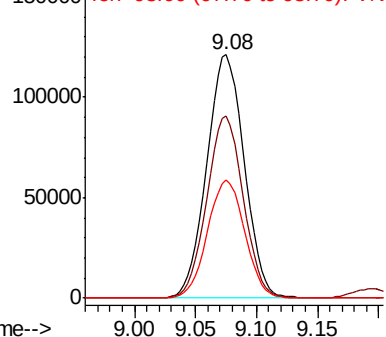


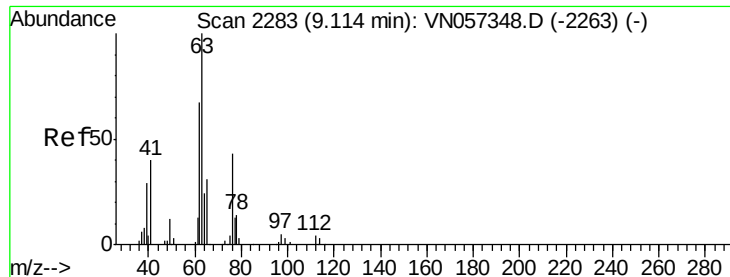
#38
 Methylcyclohexane
 Concen: 19.344 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 83 Resp: 257937
 Ion Ratio Lower Upper
 83 100
 55 72.6 38.4 115.2
 98 48.3 23.3 69.9



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: 19.945 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

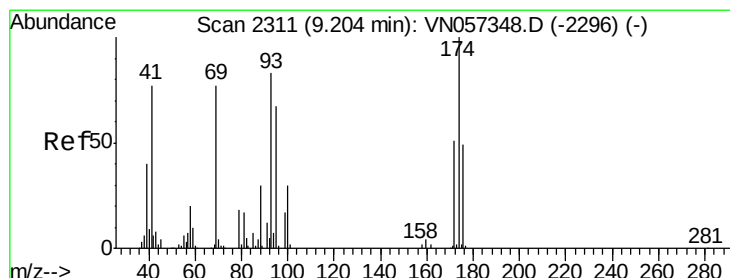
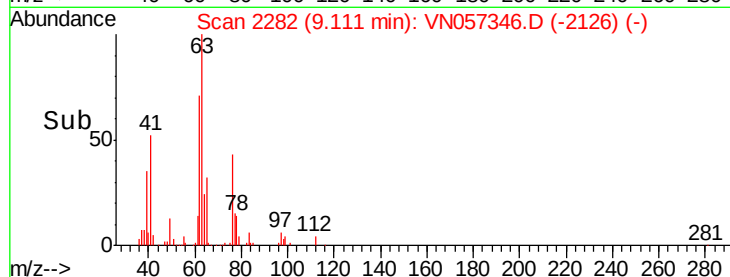
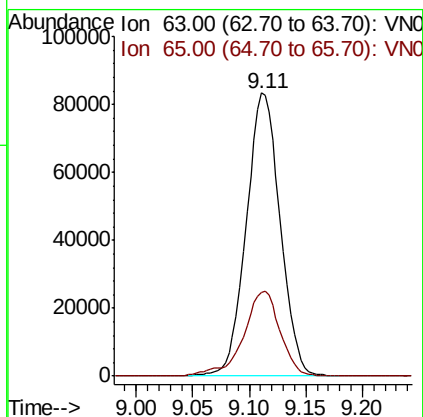
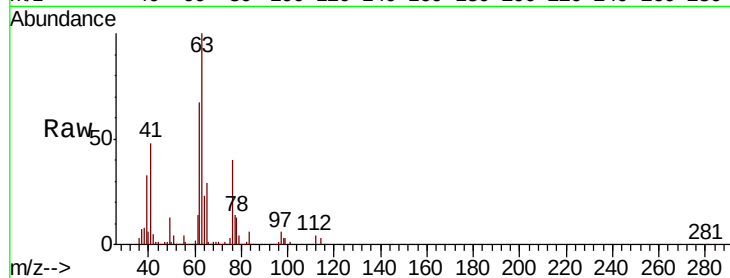
VSTDCCC020

Tgt Ion: 63 Resp: 174122

Ion Ratio Lower Upper

63 100

65 29.5 24.6 36.8



#40

Dibromomethane

Concen: 19.563 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

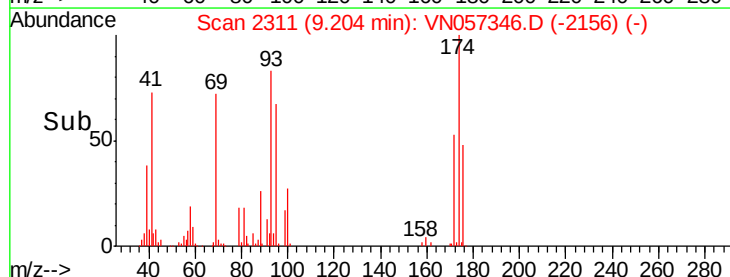
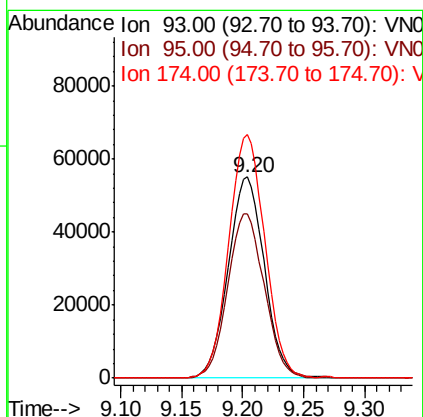
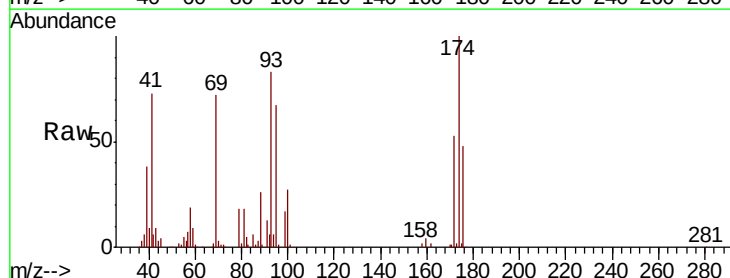
Tgt Ion: 93 Resp: 113618

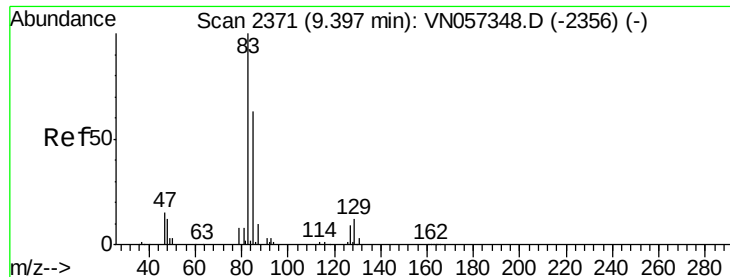
Ion Ratio Lower Upper

93 100

95 82.8 0.0 167.0

174 120.8 0.0 224.2





#41

Bromodichloromethane

Concen: 19.091 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

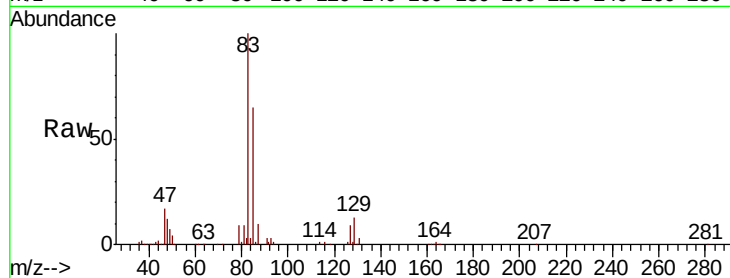
Tgt Ion: 83 Resp: 224657

Ion Ratio Lower Upper

83 100

85 65.2 50.1 75.1

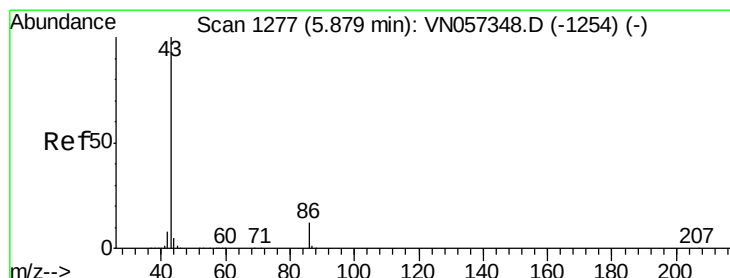
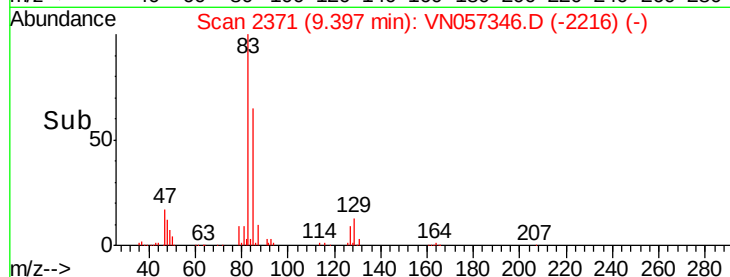
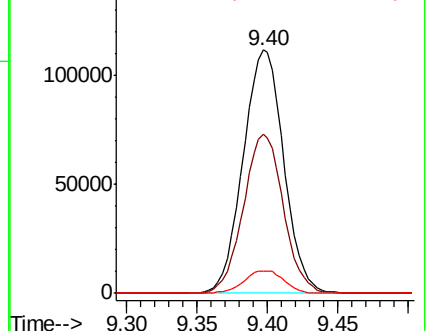
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.153 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057346.D

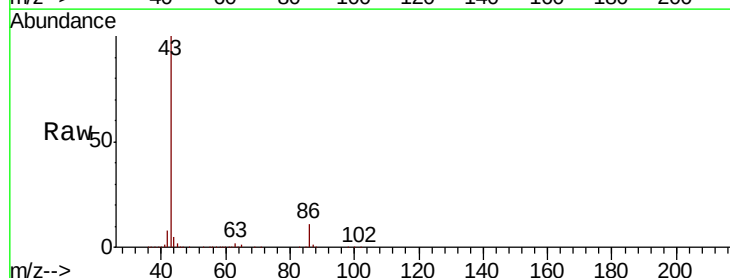
Acq: 16 Aug 2019 11:04

Tgt Ion: 43 Resp: 1815925

Ion Ratio Lower Upper

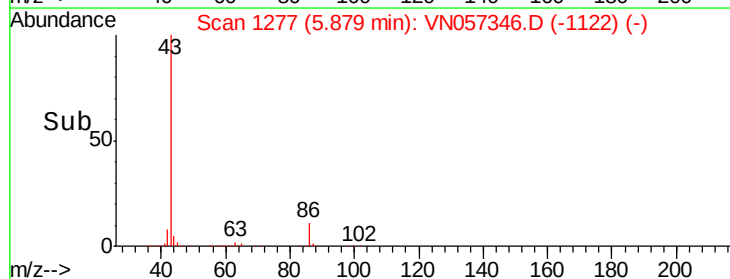
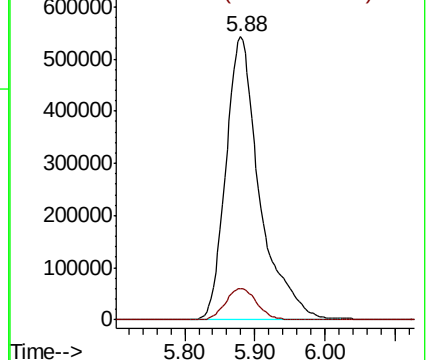
43 100

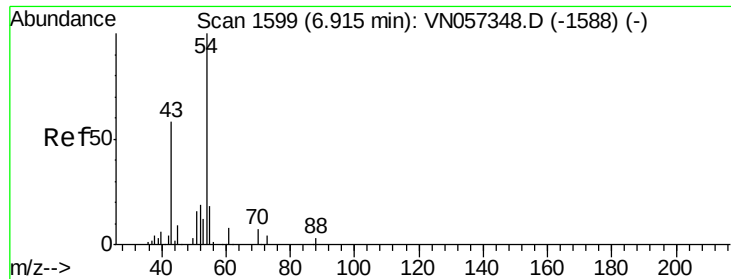
86 10.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

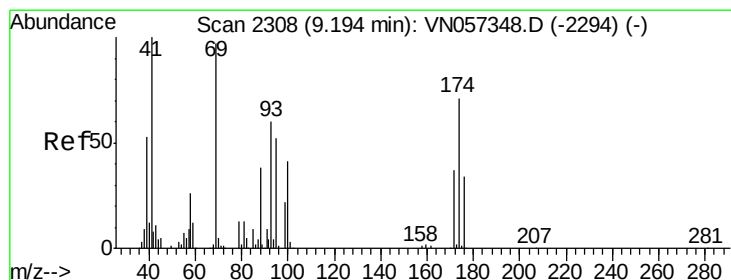
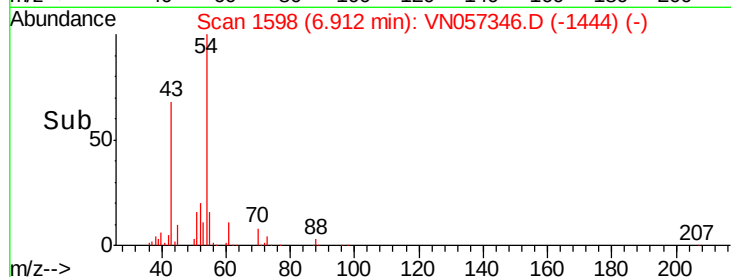
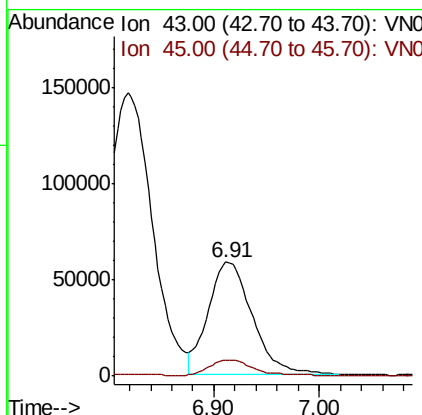
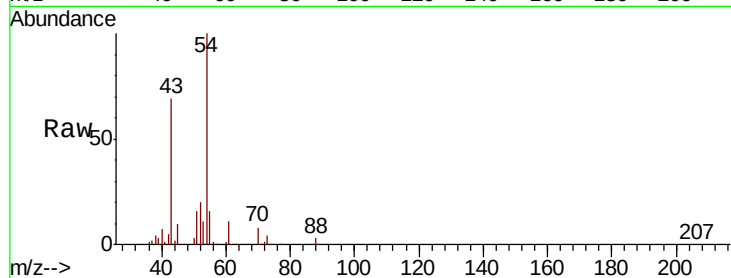




#43
Ethyl Acetate
Concen: 18.565 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

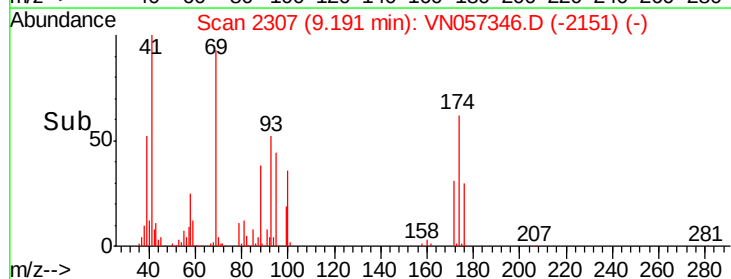
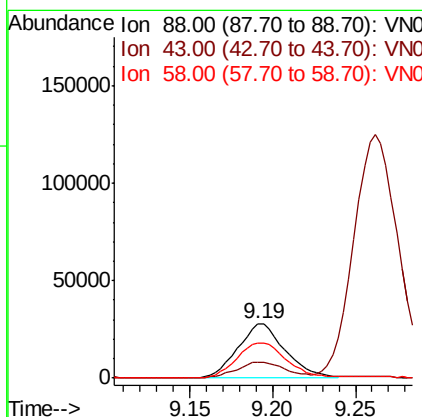
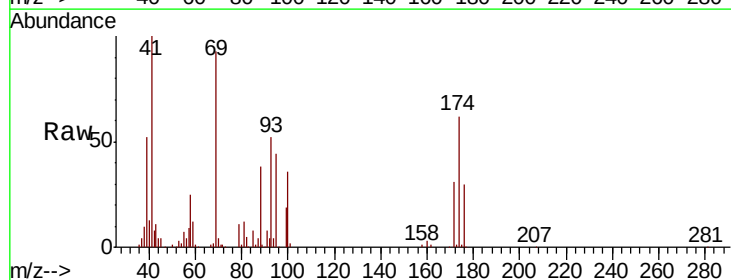
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

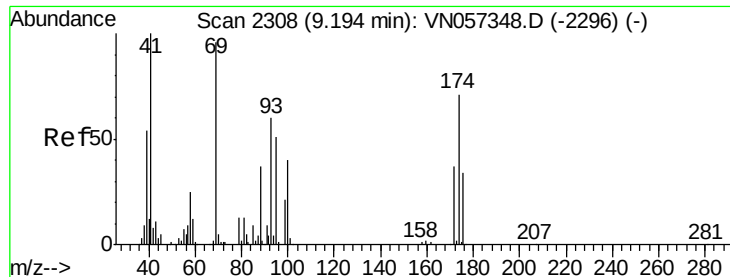
Tgt Ion: 43 Resp: 169203
Ion Ratio Lower Upper
43 100
45 13.6 11.2 16.8



#45
1,4-Dioxane
Concen: 369.604 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 88 Resp: 55878
Ion Ratio Lower Upper
88 100
43 29.0 23.0 34.6
58 68.4 54.6 81.8

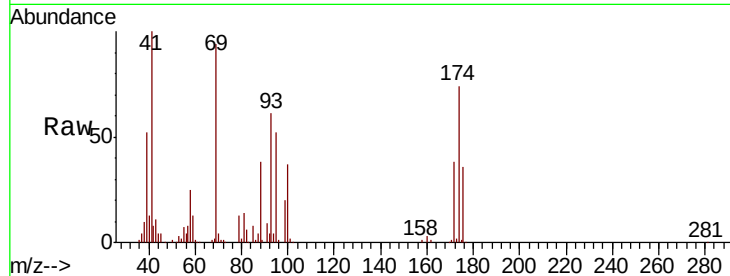




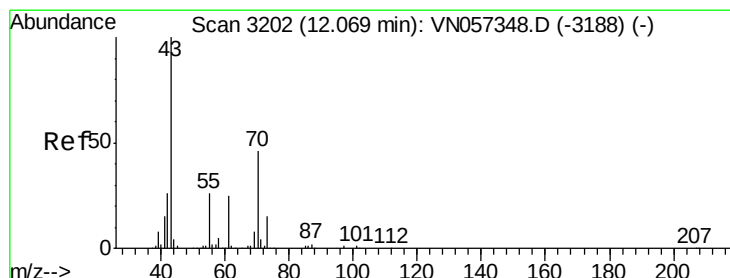
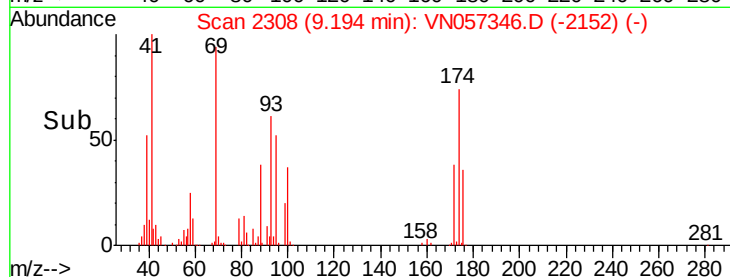
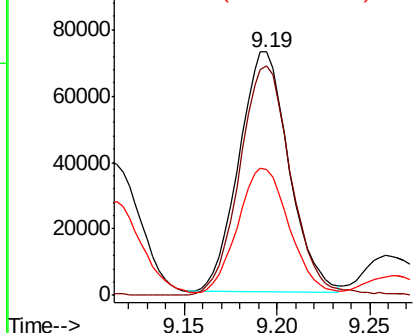
#46
Methyl methacrylate
Concen: 18.971 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 136432
Ion Ratio Lower Upper
41 100
69 95.5 43.0 129.0
39 51.2 25.1 75.4

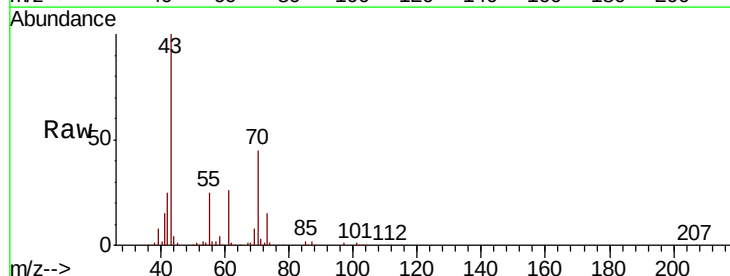


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

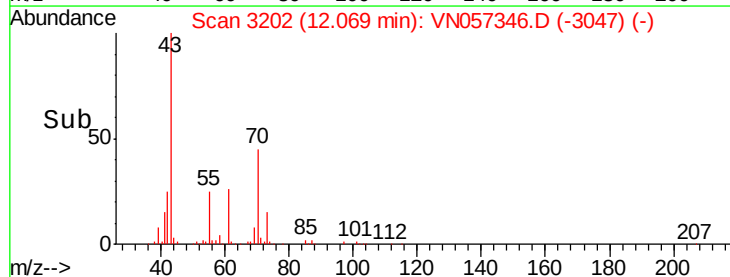
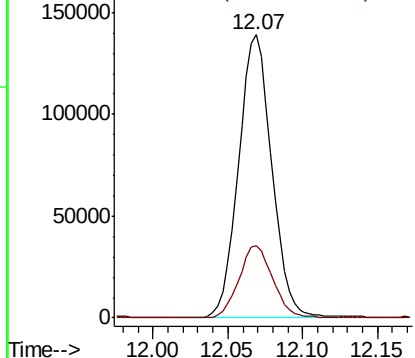


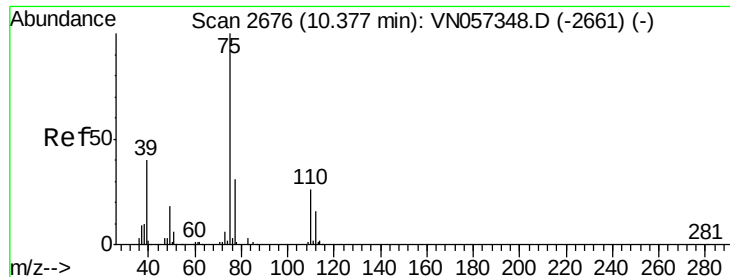
#47
n-ethyl acetate
Concen: 18.091 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 43 Resp: 214381
Ion Ratio Lower Upper
43 100
55 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 19.096 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

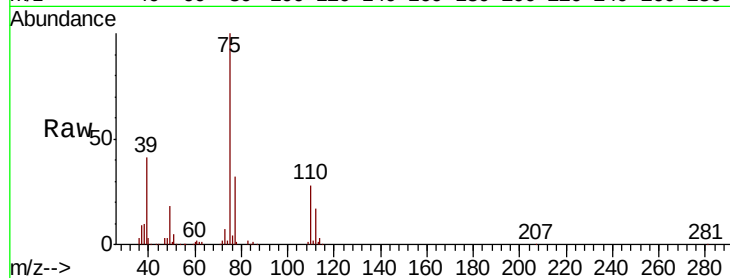
VSTDCCC020

Tgt Ion: 75 Resp: 243124

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

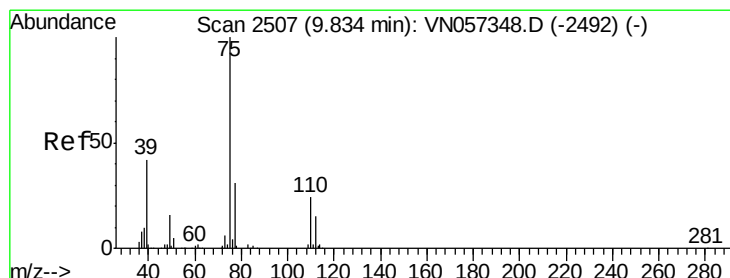
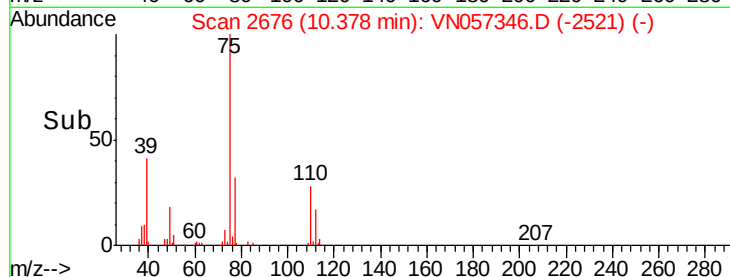
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#49

cis-1,3-Dichloropropene

Concen: 19.388 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

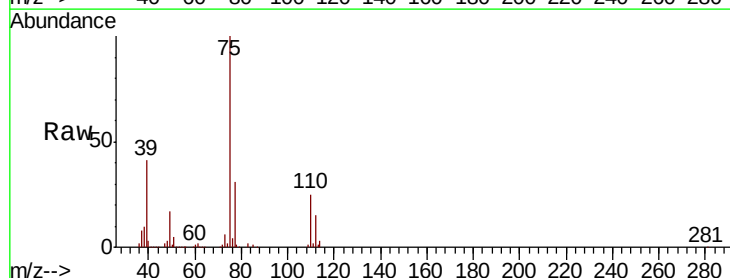
Tgt Ion: 75 Resp: 274824

Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

39 41.1 36.2 54.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

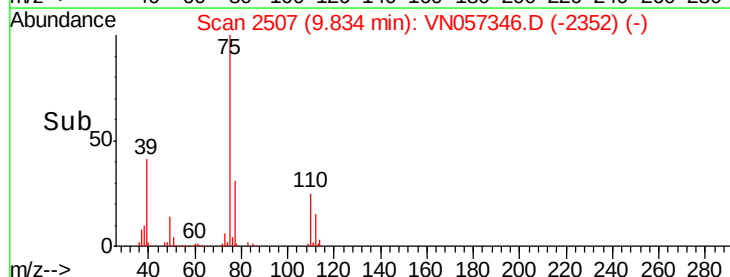
150000

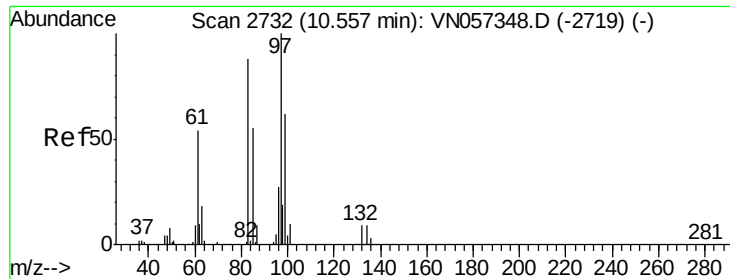
100000

50000

0

Time--> 9.75 9.80 9.85 9.90 9.95

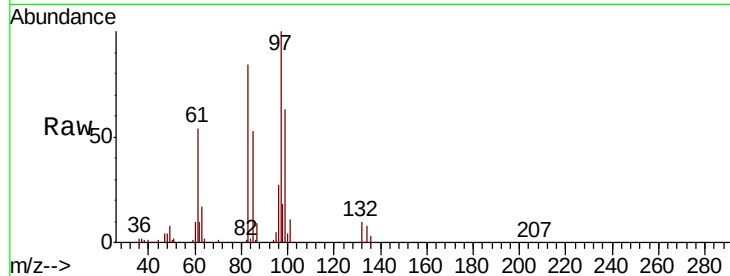




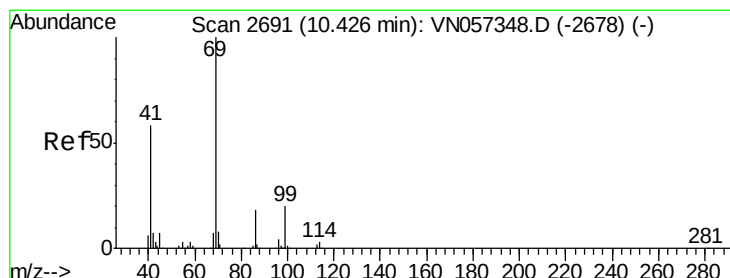
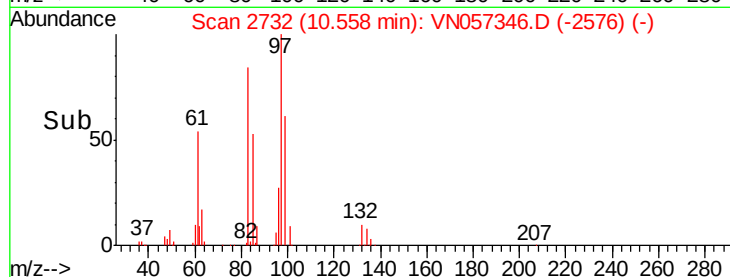
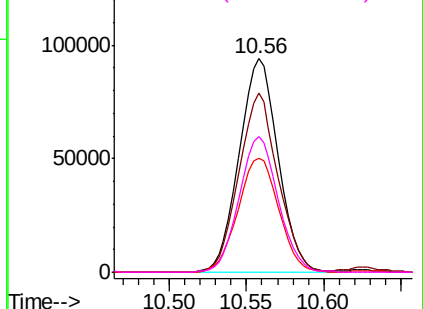
#50
 1,1,2-Trichloroethane
 Concen: 19.500 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	97	Resp:	165282
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.2	103.8
85	53.4	45.3	67.9
99	63.4	51.6	77.4

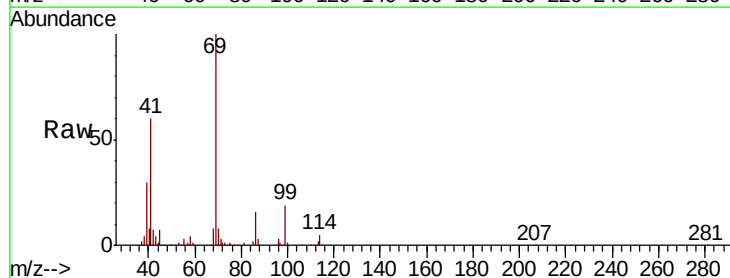


Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO

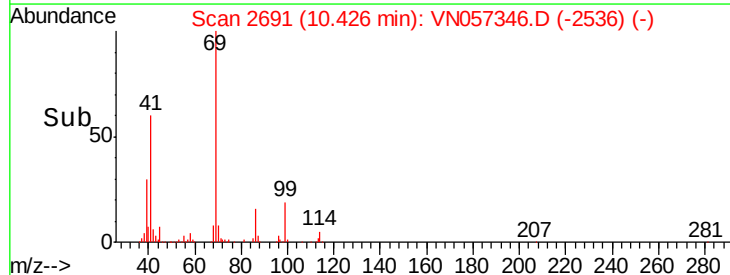
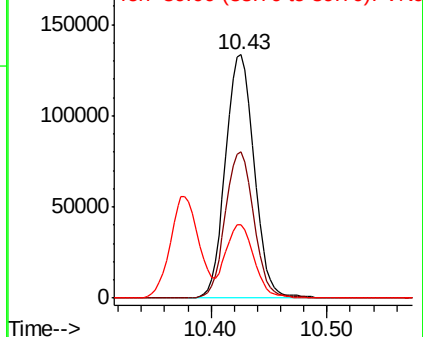


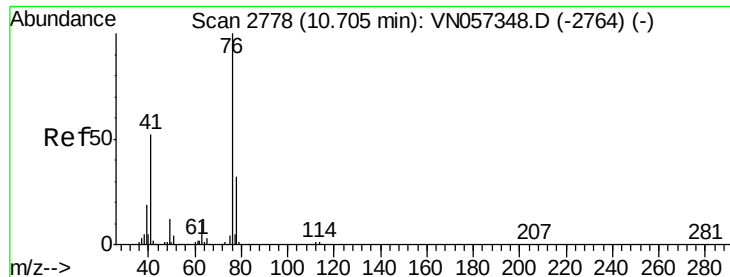
#51
 Ethyl methacrylate
 Concen: 18.576 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion:	69	Resp:	228245
Ion	Ratio	Lower	Upper
69	100		
41	60.0	32.8	98.3
39	30.1	15.4	46.2



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





#52

1,3-Dichloropropane

Concen: 19.479 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

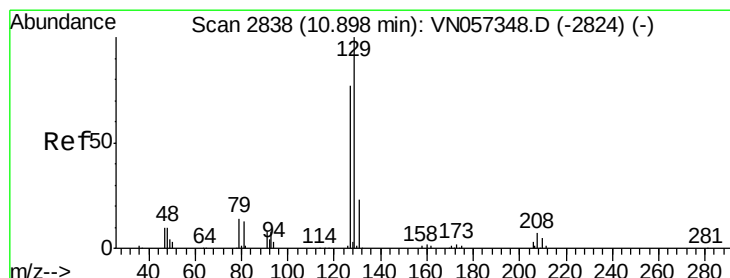
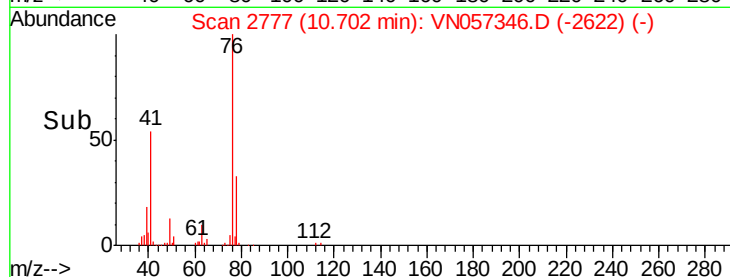
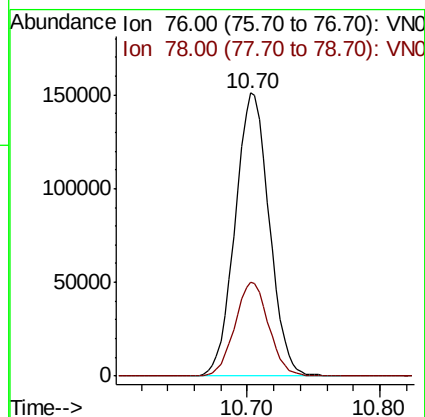
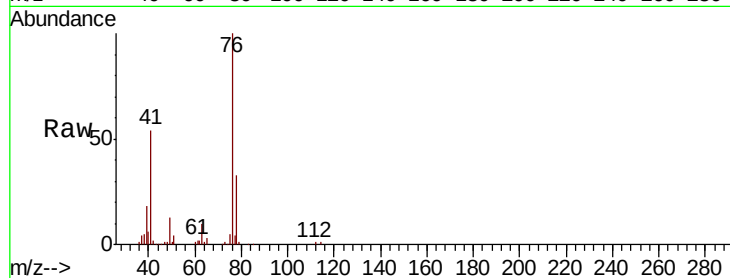
VSTDCCC020

Tgt Ion: 76 Resp: 269633

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.6



#53

Dibromochloromethane

Concen: 19.237 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057346.D

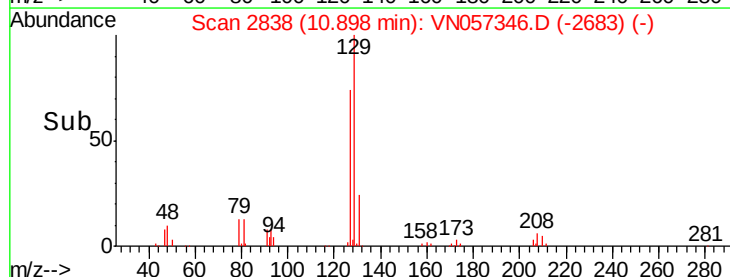
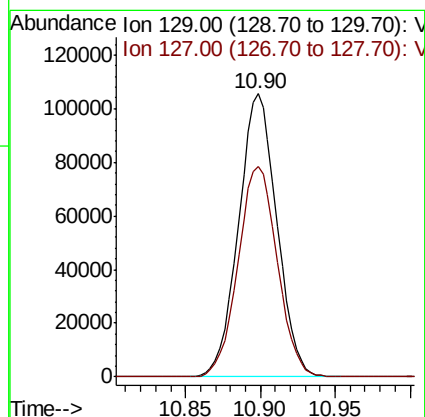
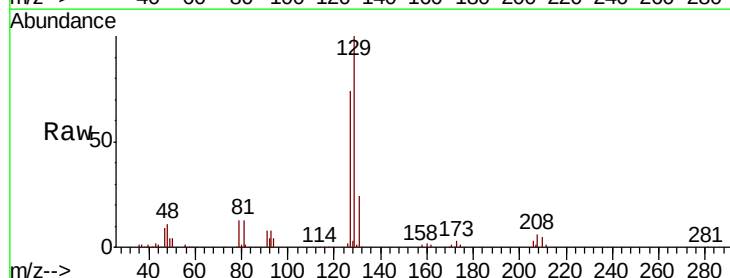
Acq: 16 Aug 2019 11:04

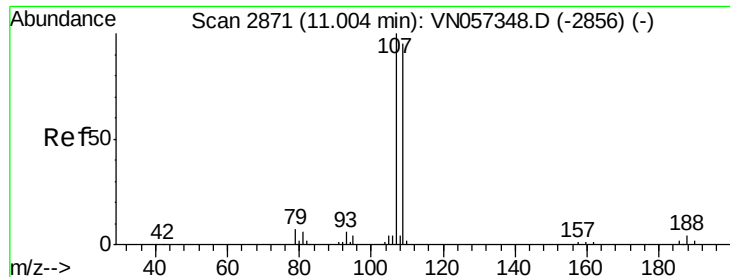
Tgt Ion: 129 Resp: 187588

Ion Ratio Lower Upper

129 100

127 76.3 38.7 116.1





#54

1,2-Dibromoethane

Concen: 19.473 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

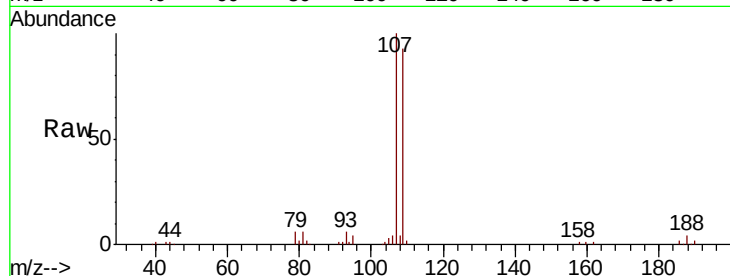
VSTDCCC020

Tgt Ion: 107 Resp: 173824

Ion Ratio Lower Upper

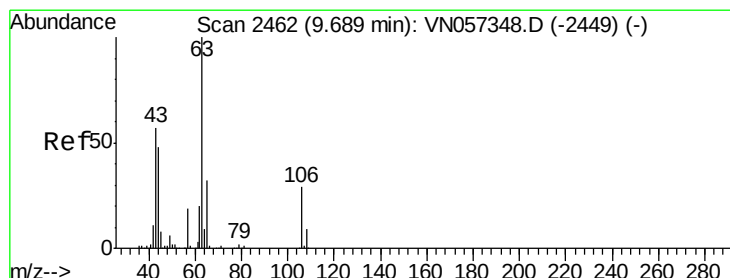
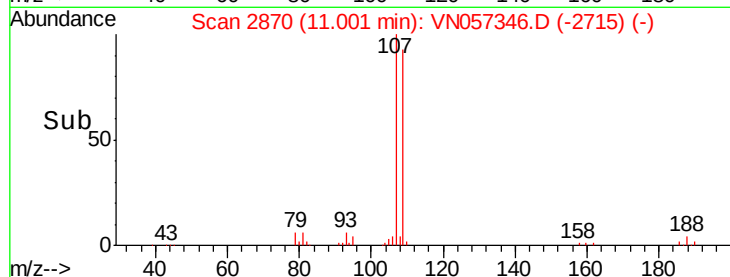
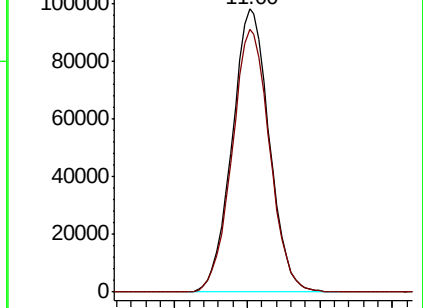
107 100

109 93.9 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 90.248 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

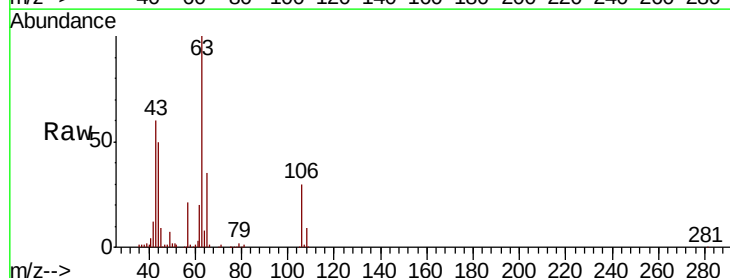
Tgt Ion: 63 Resp: 258122

Ion Ratio Lower Upper

63 100

65 33.1 25.2 37.8

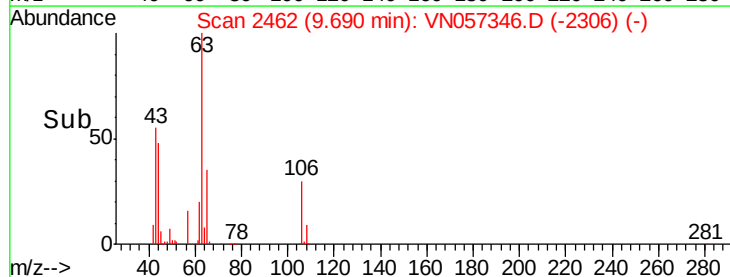
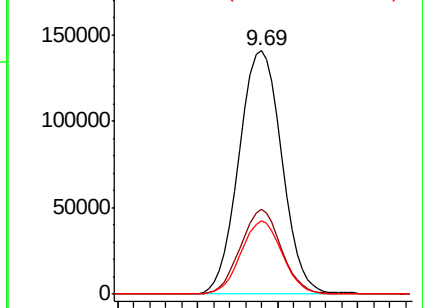
106 28.7 21.6 32.4

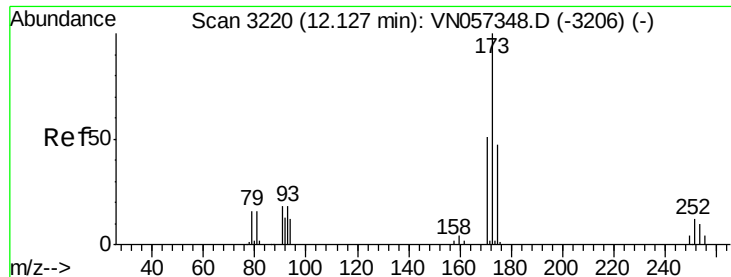


Abundance Ion 63.00 (62.70 to 63.70): VNO

Ion 65.00 (64.70 to 65.70): VNO

Ion 106.00 (105.70 to 106.70): V

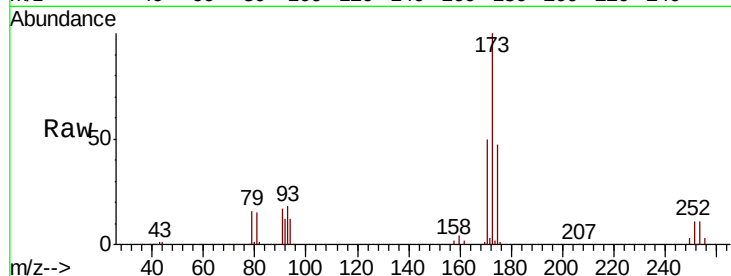




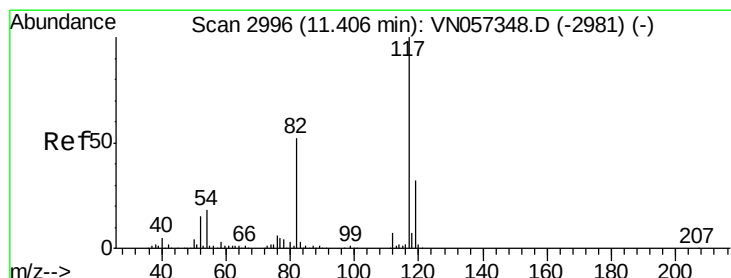
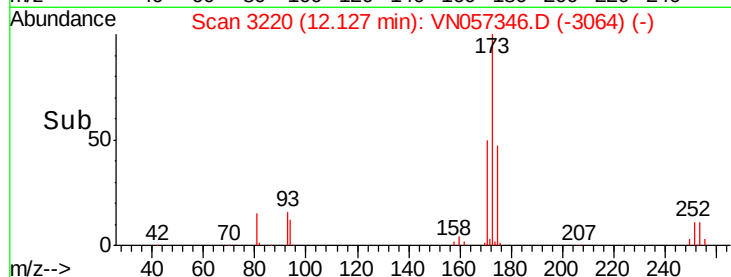
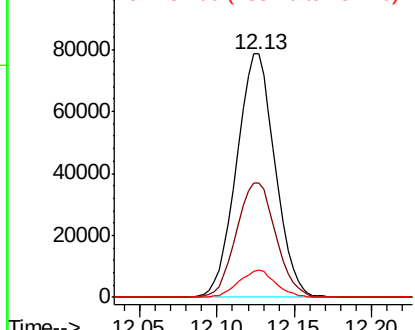
#56
Bromoform
Concen: 18.489 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:173 Resp: 136139
Ion Ratio Lower Upper
173 100
175 48.1 39.7 59.5
254 10.7 7.8 11.8

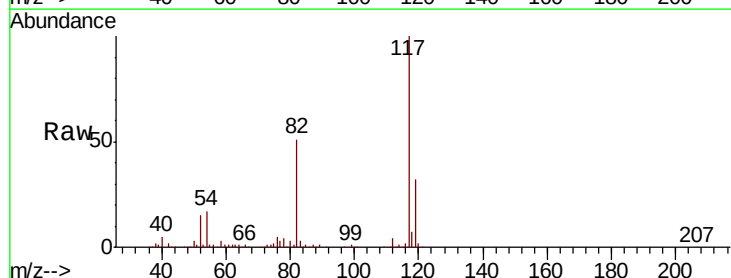


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

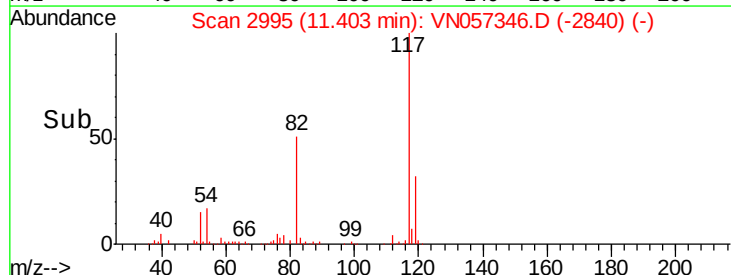
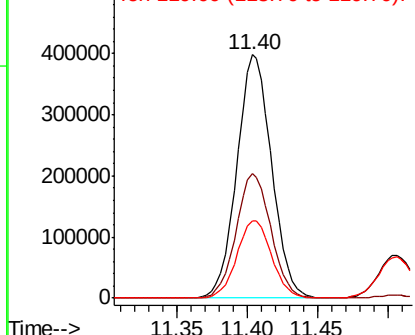


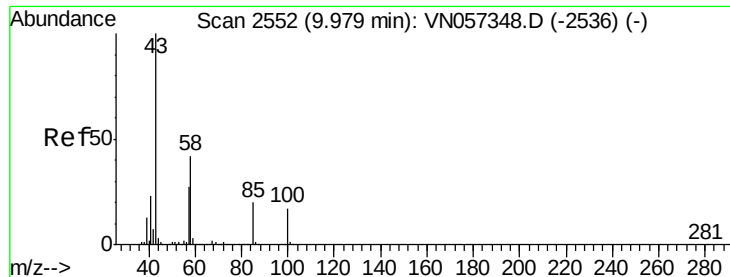
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion:117 Resp: 687277
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.0 26.0 39.0



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: 94.728 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

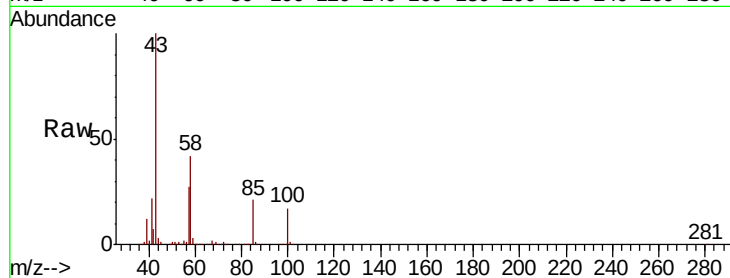
Tgt Ion: 43 Resp: 848104

Ion Ratio Lower Upper

43 100

58 41.6 31.9 47.9

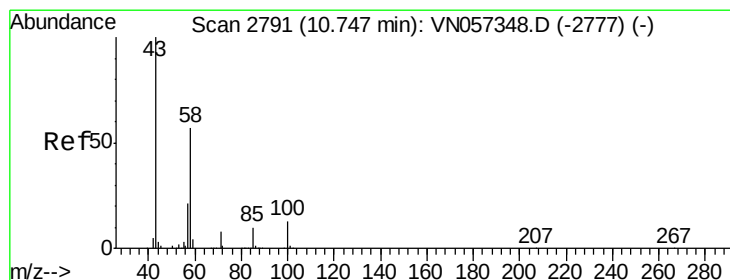
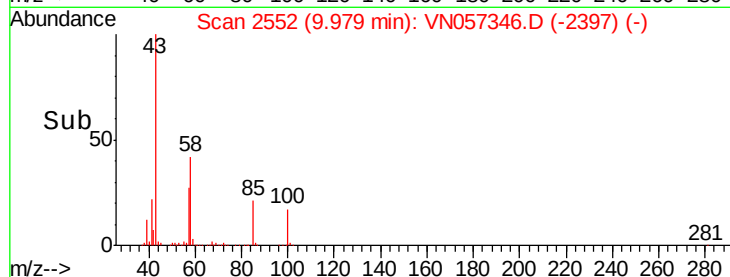
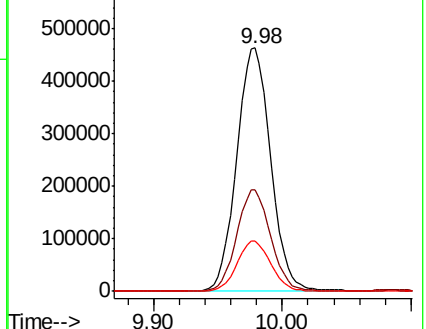
85 20.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 94.418 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

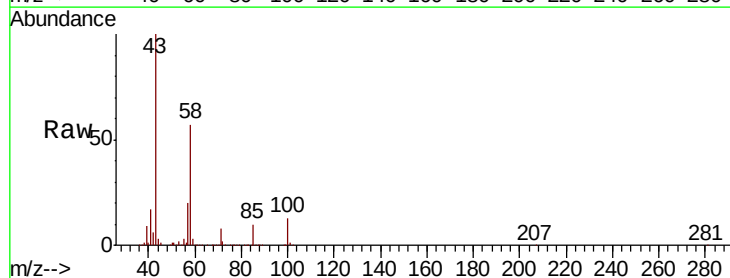
Tgt Ion: 43 Resp: 606304

Ion Ratio Lower Upper

43 100

58 57.4 44.4 66.6

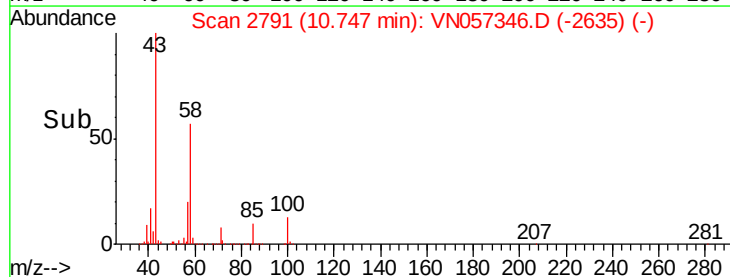
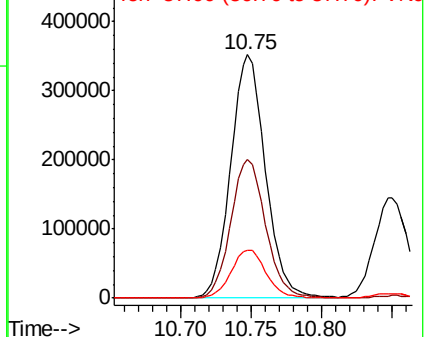
57 20.1 15.2 22.8

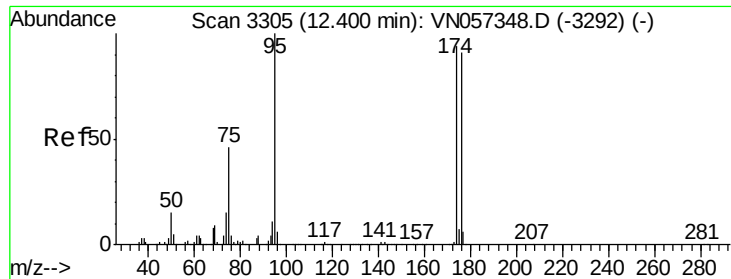


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 28.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

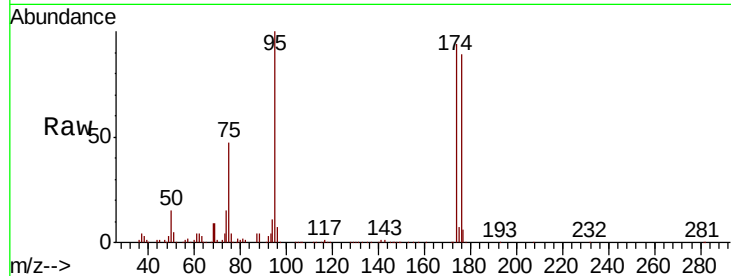
Tgt Ion: 95 Resp: 288433

Ion Ratio Lower Upper

95 100

174 95.3 72.6 108.8

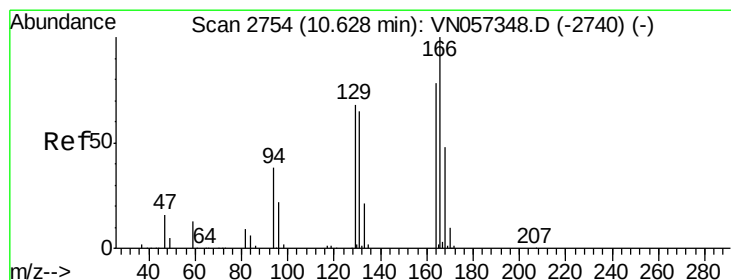
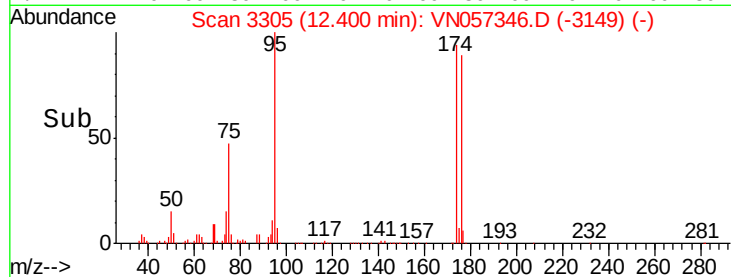
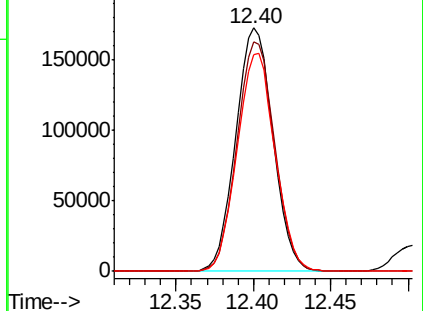
176 91.1 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN057348.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN057348.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN057348.D (-3292) (-)



#61

Tetrachloroethene

Concen: 19.915 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Tgt Ion: 164 Resp: 200609

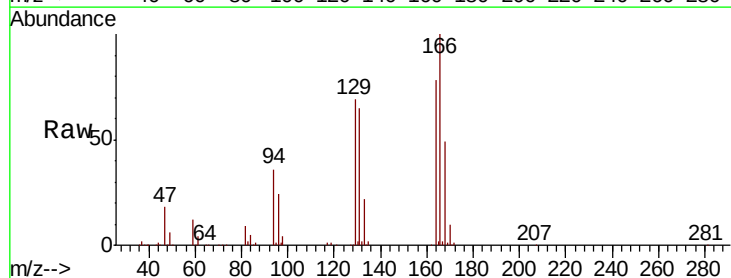
Ion Ratio Lower Upper

164 100

166 127.5 102.3 153.5

129 88.5 72.6 108.8

131 83.2 71.4 107.2

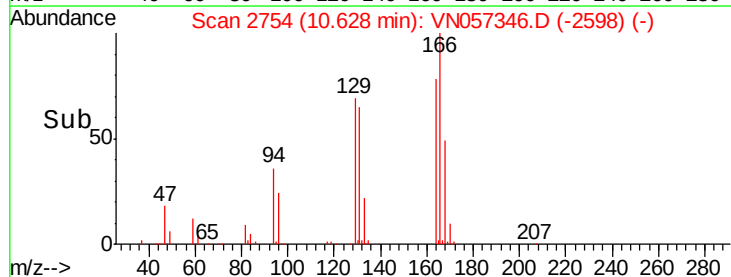
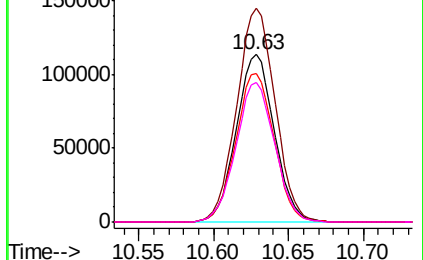


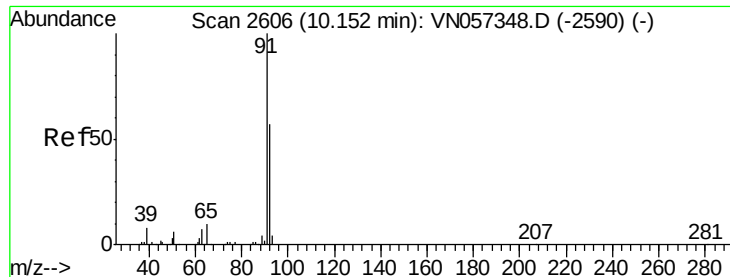
Abundance Ion 163.85 (163.55 to 164.55): VN057348.D (-2740) (-)

Ion 165.80 (165.50 to 166.50): VN057348.D (-2740) (-)

Ion 128.90 (128.60 to 129.60): VN057348.D (-2740) (-)

Ion 130.90 (130.60 to 131.60): VN057348.D (-2740) (-)





#62

Toluene

Concen: 19.453 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

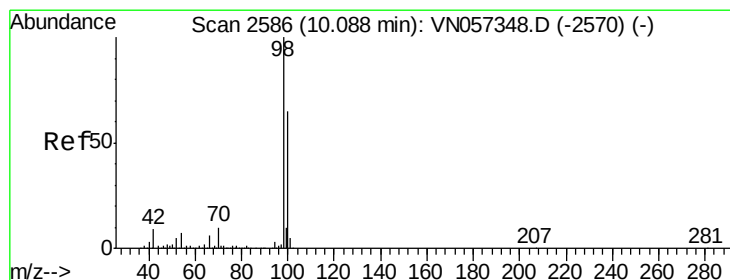
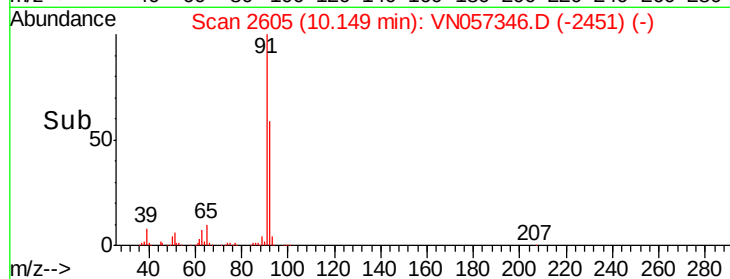
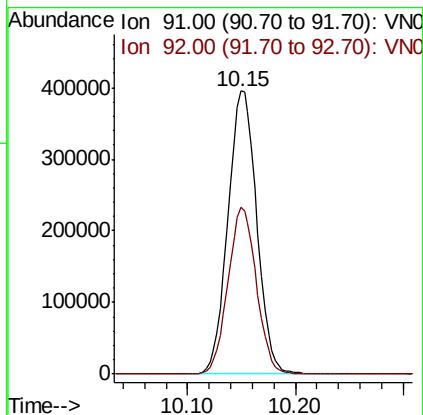
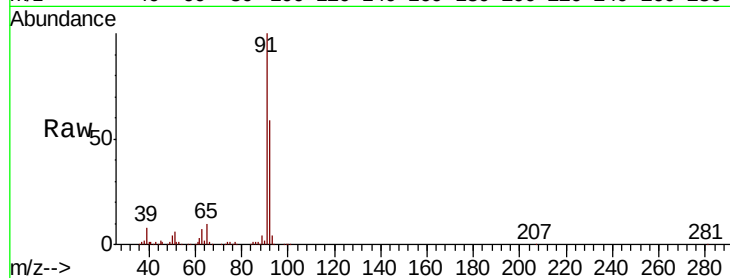
VSTDCCC020

Tgt Ion: 91 Resp: 737414

Ion Ratio Lower Upper

91 100

92 57.9 46.7 70.1



#63

Toluene-d8

Concen: 30.134 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057346.D

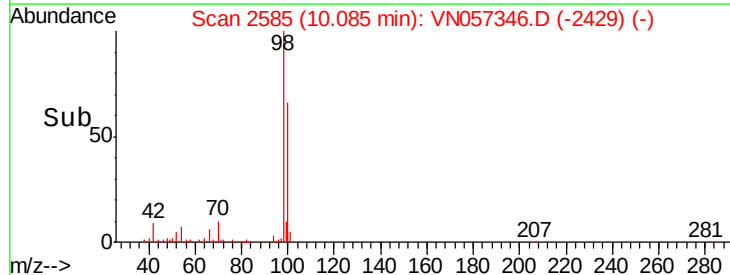
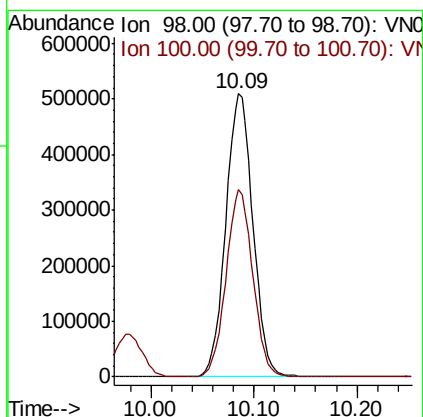
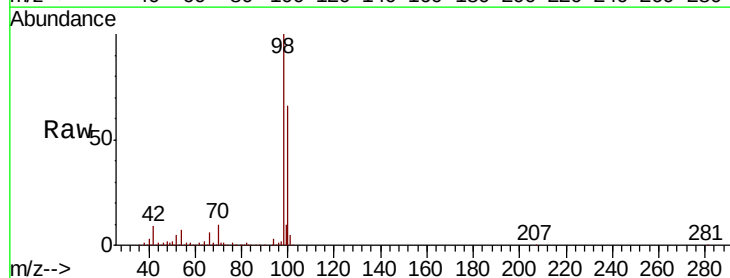
Acq: 16 Aug 2019 11:04

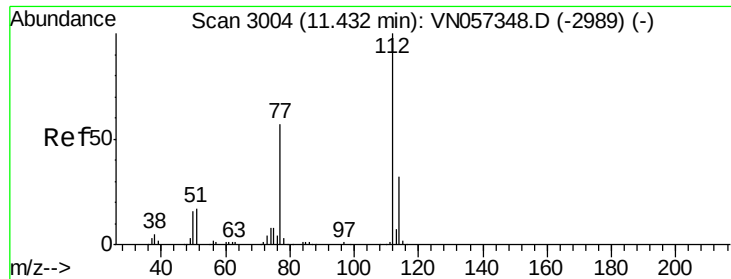
Tgt Ion: 98 Resp: 934152

Ion Ratio Lower Upper

98 100

100 64.9 51.1 76.7

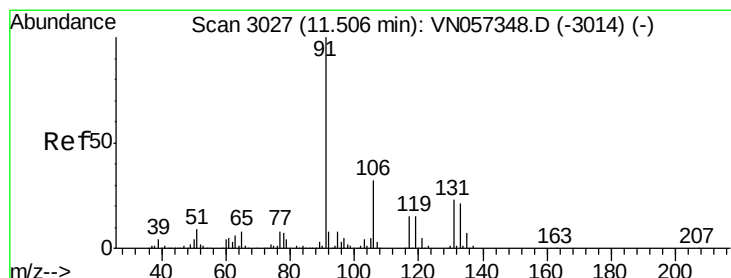
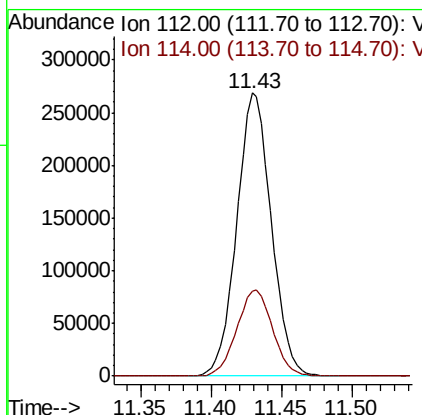
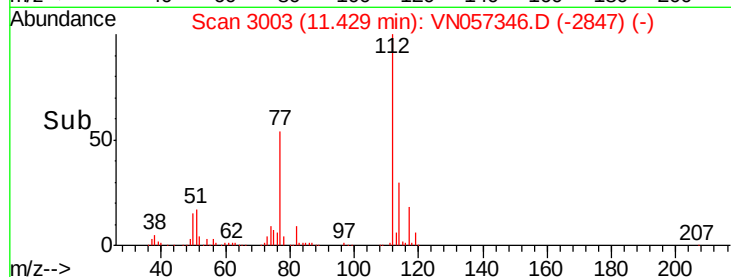
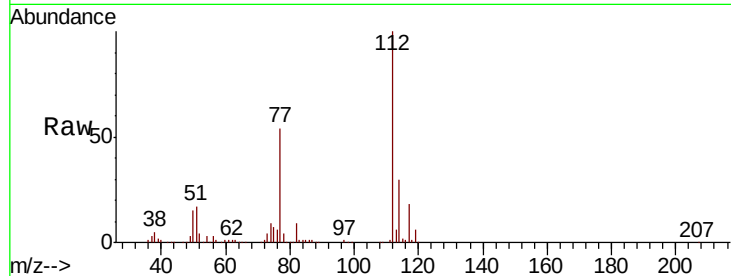




#64
Chlorobenzene
Concen: 19.370 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

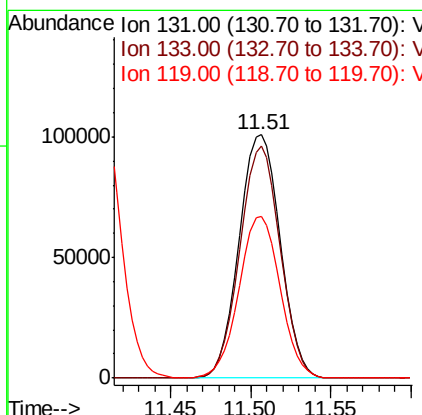
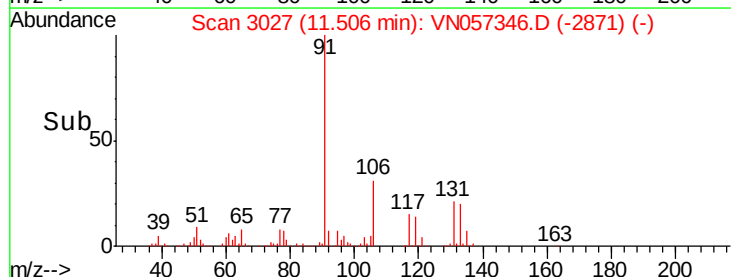
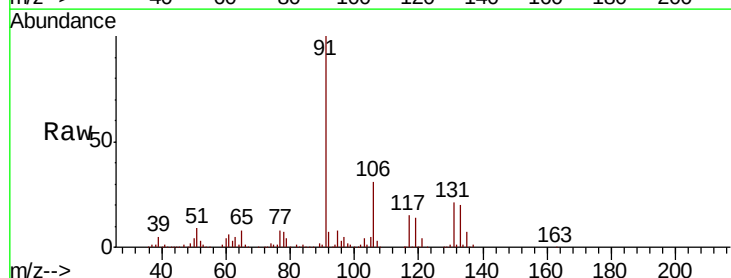
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

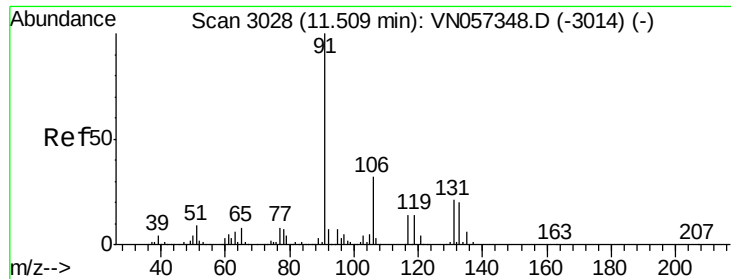
Tgt Ion:112 Resp: 461280
Ion Ratio Lower Upper
112 100
114 30.1 25.3 37.9



#65
1,1,1,2-Tetrachloroethane
Concen: 19.159 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion:131 Resp: 177346
Ion Ratio Lower Upper
131 100
133 93.3 0.0 191.4
119 66.5 0.0 133.4

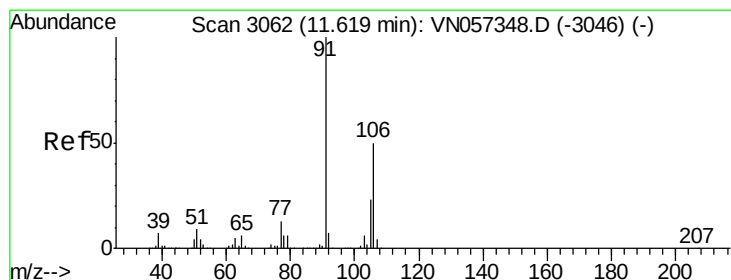
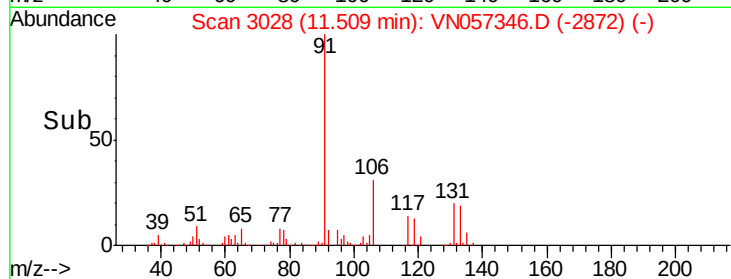
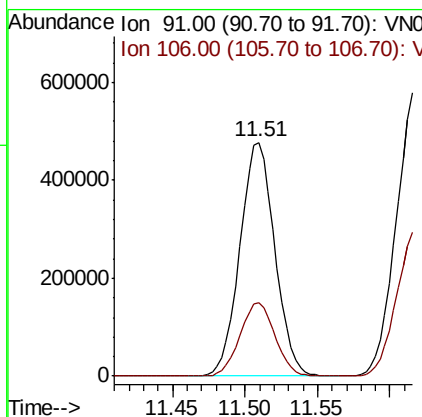
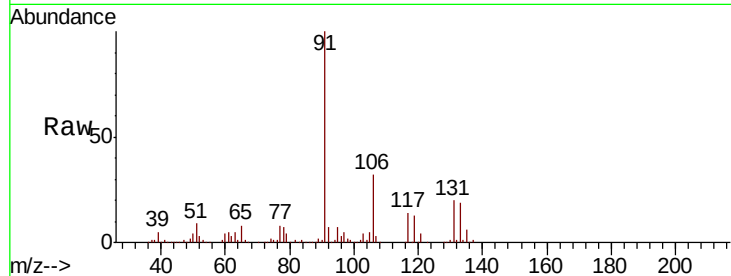




#66
Ethyl Benzene
Concen: 19.277 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

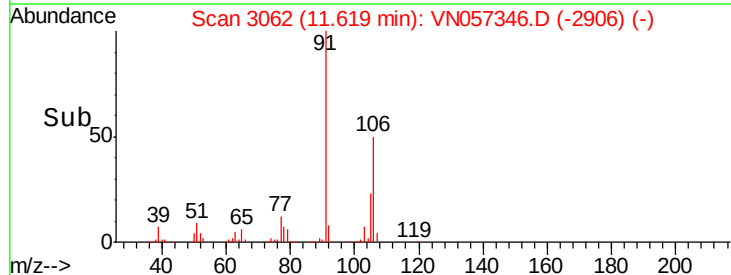
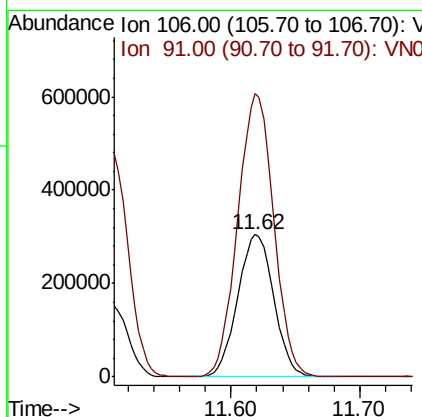
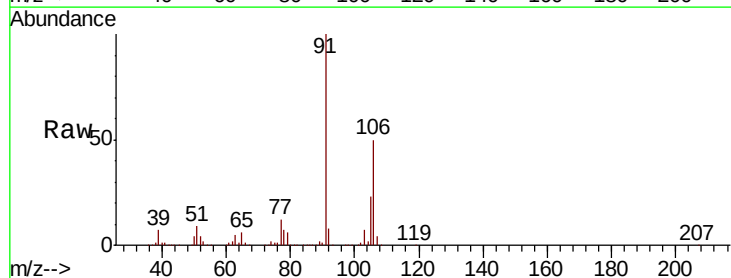
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

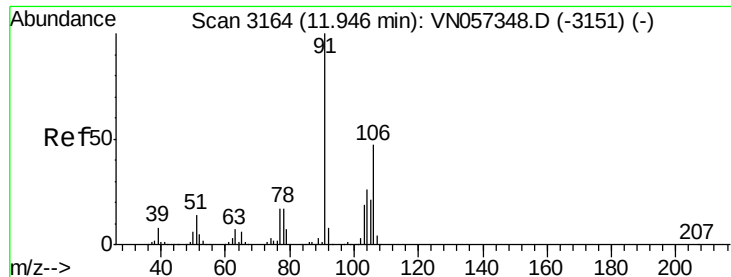
Tgt Ion: 91 Resp: 798375
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#67
m/p-Xylenes
Concen: 38.283 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 106 Resp: 593412
Ion Ratio Lower Upper
106 100
91 198.5 161.8 242.8

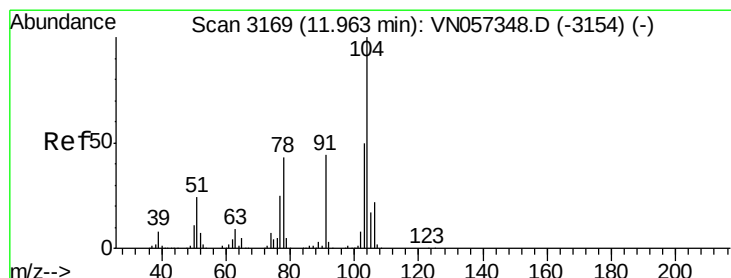
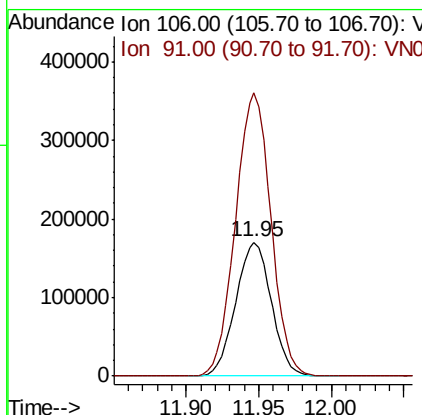
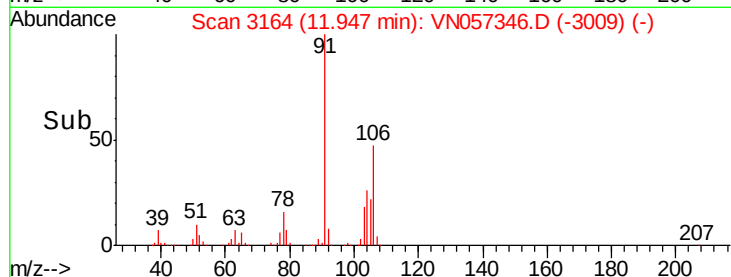
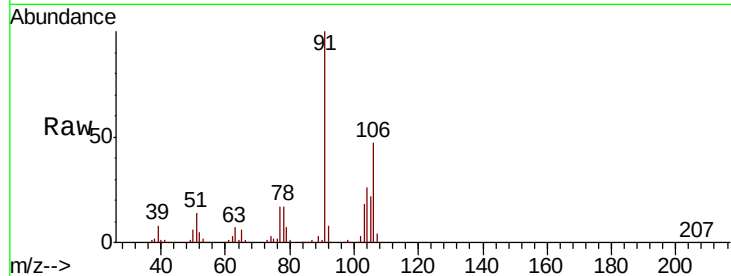




#68
o-Xylene
Concen: 19.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

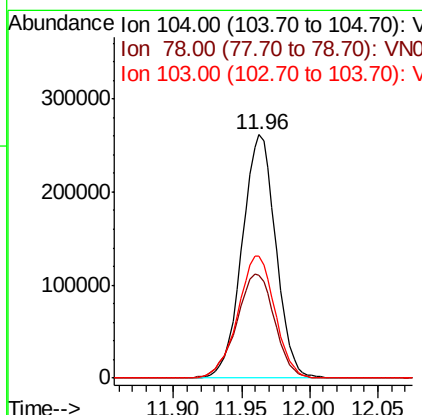
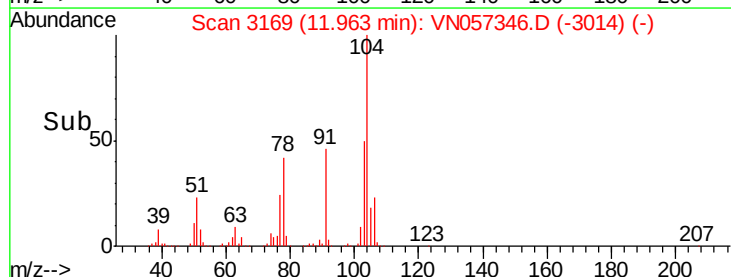
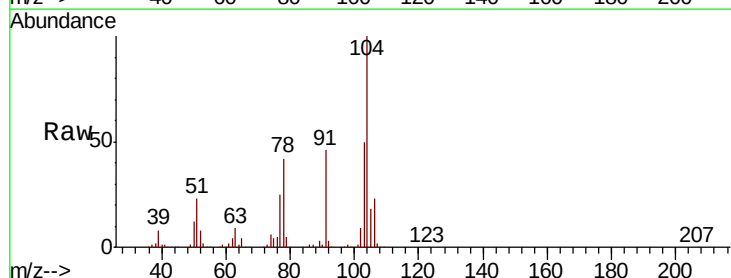
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

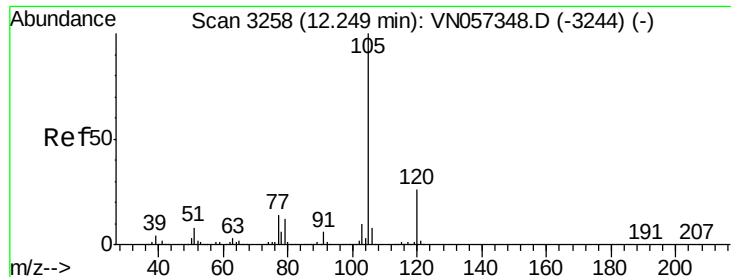
Tgt Ion:106 Resp: 291305
Ion Ratio Lower Upper
106 100
91 210.6 108.1 324.2



#69
Styrene
Concen: 18.403 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion:104 Resp: 448028
Ion Ratio Lower Upper
104 100
78 48.5 38.7 58.1
103 55.4 45.0 67.4





#70

Isopropylbenzene

Concen: 18.989 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

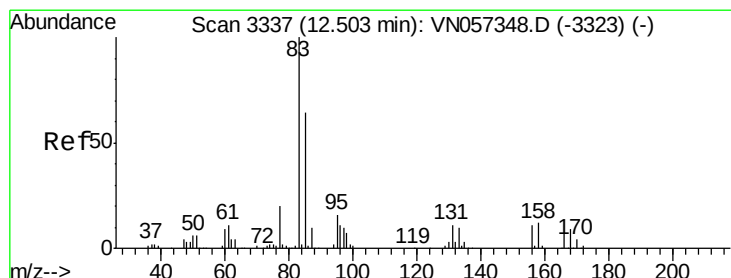
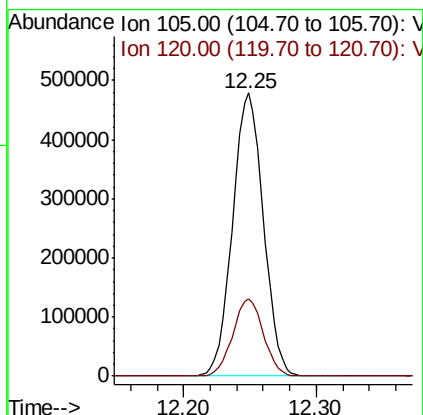
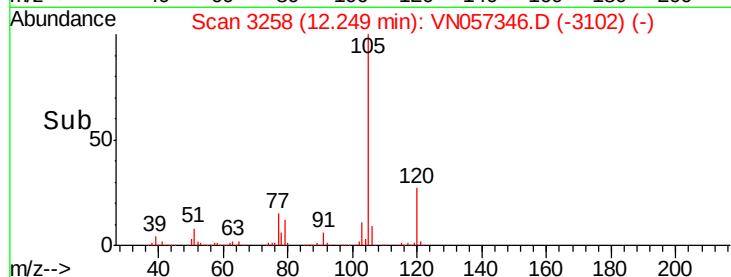
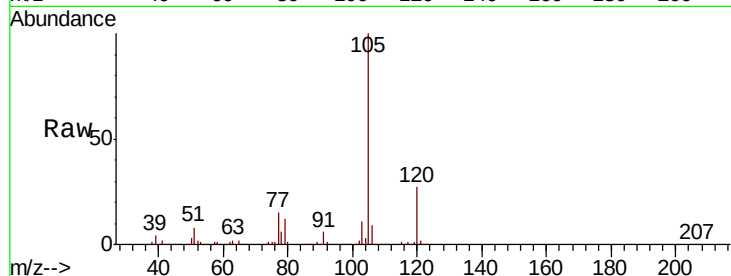
VSTDCCC020

Tgt Ion:105 Resp: 771440

Ion Ratio Lower Upper

105 100

120 27.2 18.6 34.5



#71

1,1,2,2-Tetrachloroethane

Concen: 19.127 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

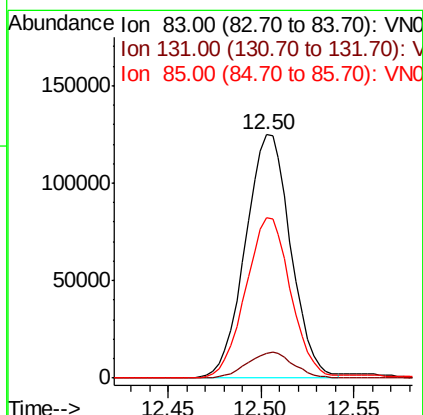
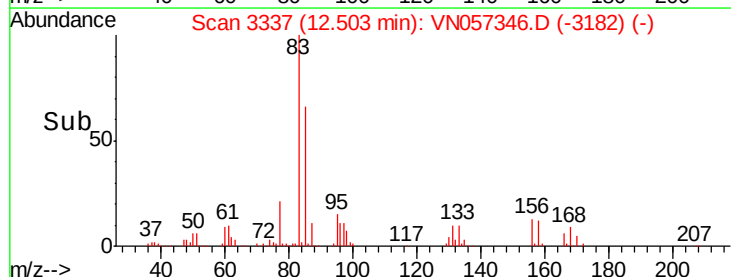
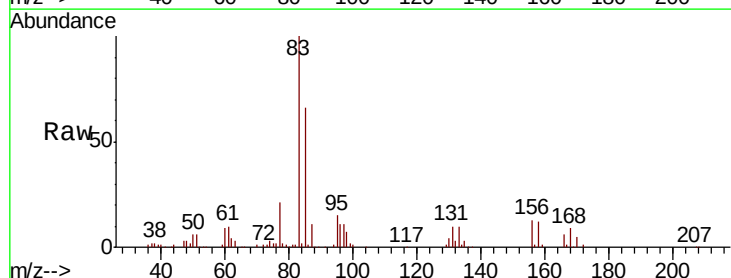
Tgt Ion: 83 Resp: 212863

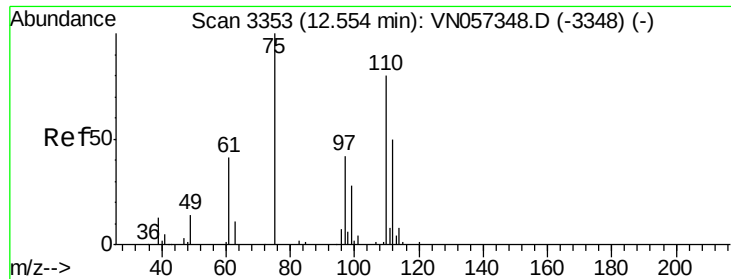
Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.3

85 65.3 31.9 95.7

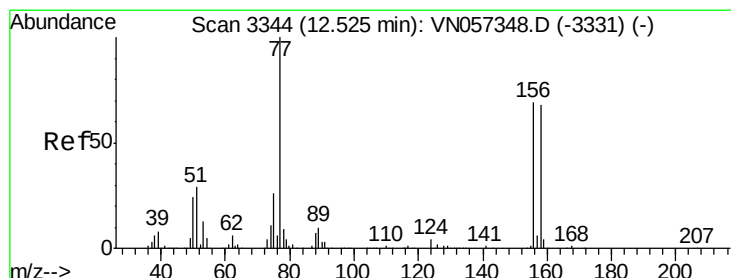
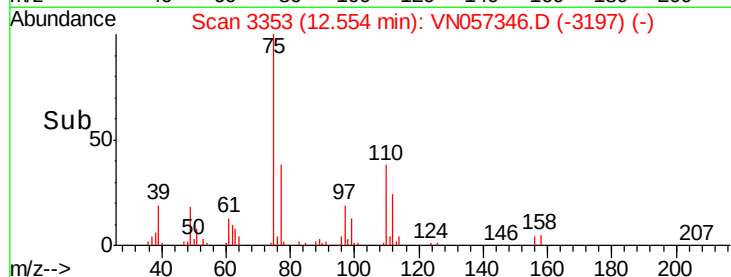
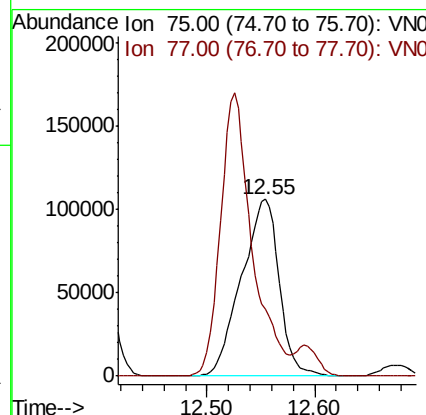
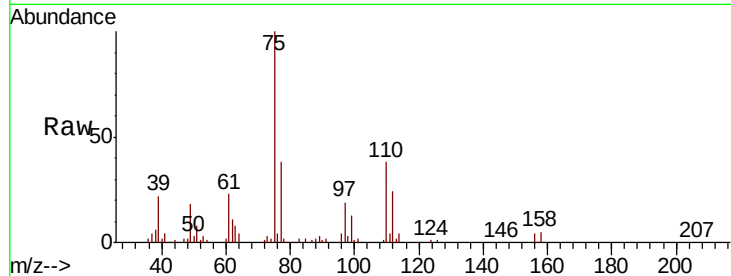




#72
 1,2,3-Trichloropropane
 Concen: 27.560 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

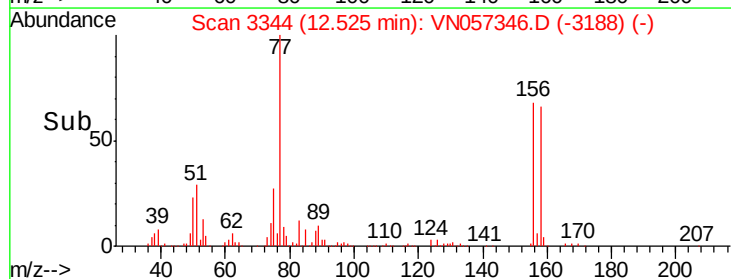
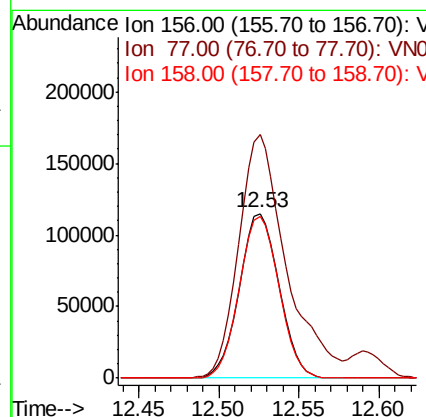
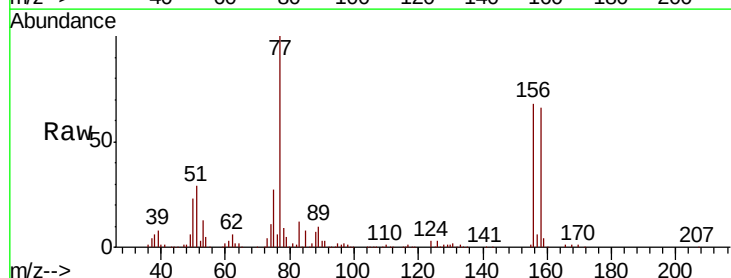
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

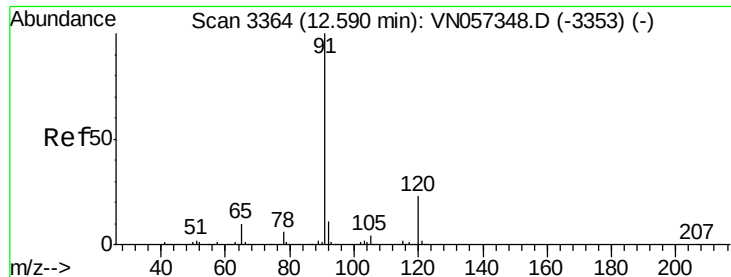
Tgt Ion: 75 Resp: 258830
 Ion Ratio Lower Upper
 75 100
 77 134.1 0.0 352.2



#73
 Bromobenzene
 Concen: 18.116 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 156 Resp: 195033
 Ion Ratio Lower Upper
 156 100
 77 178.0 0.0 381.8
 158 98.2 0.0 195.8





#74

n-propylbenzene

Concen: 18.303 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

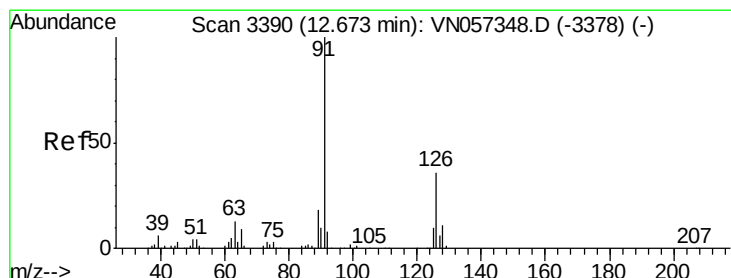
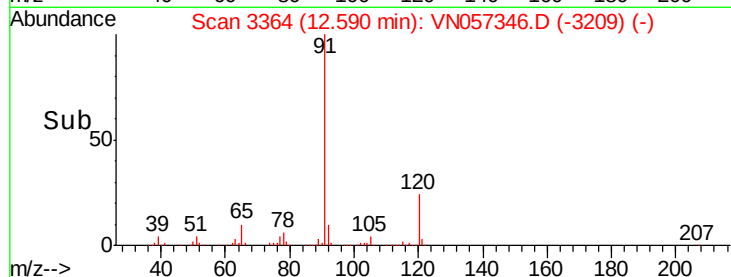
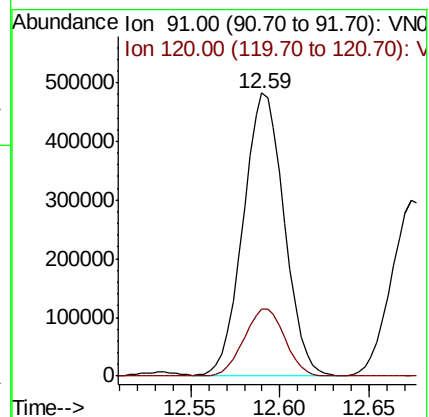
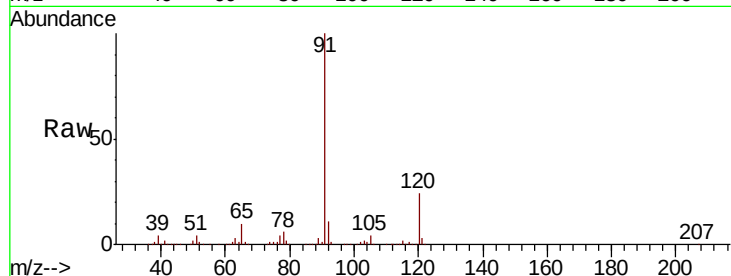
VSTDCCC020

Tgt Ion: 91 Resp: 772370

Ion Ratio Lower Upper

91 100

120 23.7 0.0 45.6



#75

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057346.D

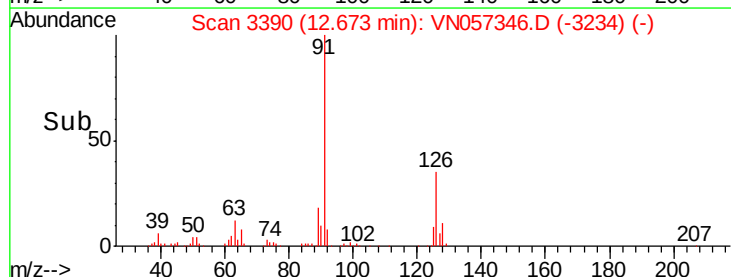
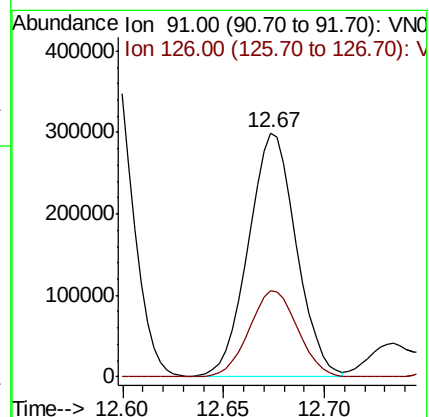
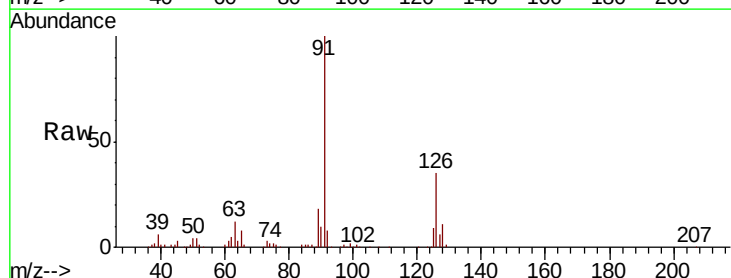
Acq: 16 Aug 2019 11:04

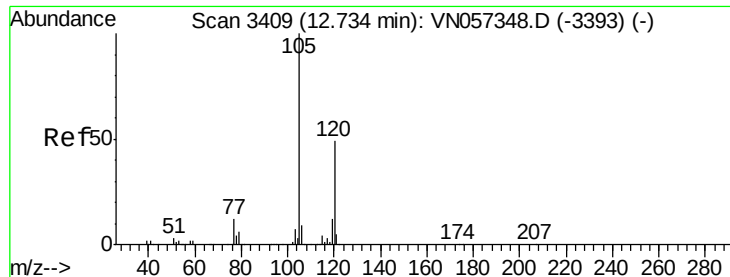
Tgt Ion: 91 Resp: 497083

Ion Ratio Lower Upper

91 100

126 36.0 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 19.257 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

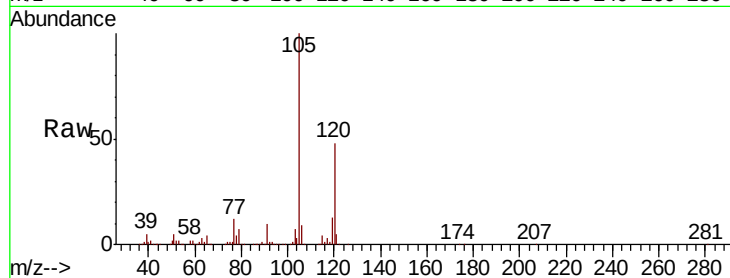
VSTDCCC020

Tgt Ion: 105 Resp: 650676

Ion Ratio Lower Upper

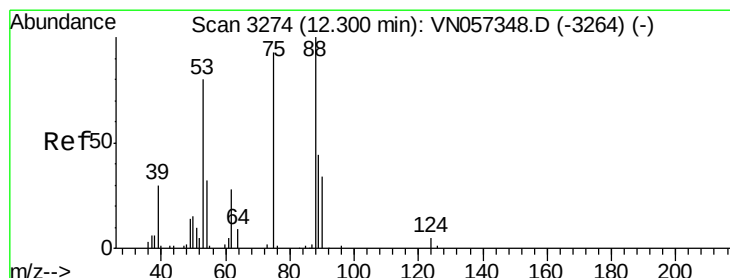
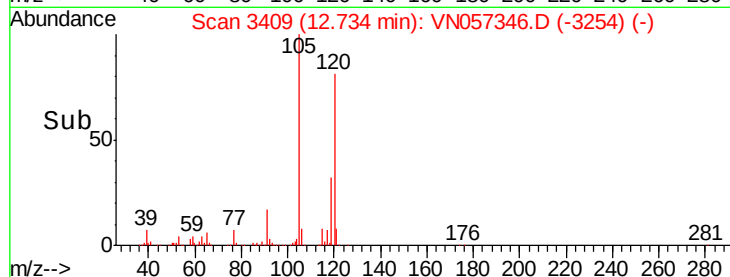
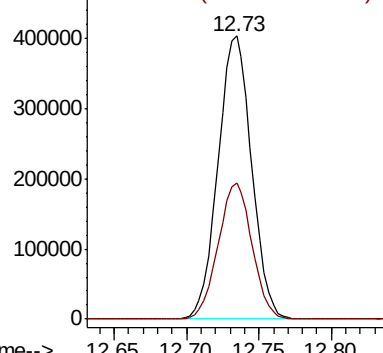
105 100

120 48.5 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 17.331 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

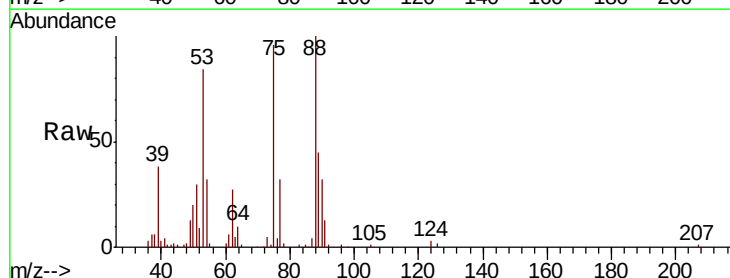
Tgt Ion: 75 Resp: 62457

Ion Ratio Lower Upper

75 100

53 87.8 48.6 145.8

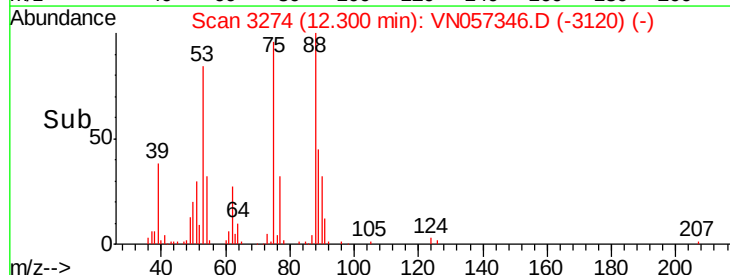
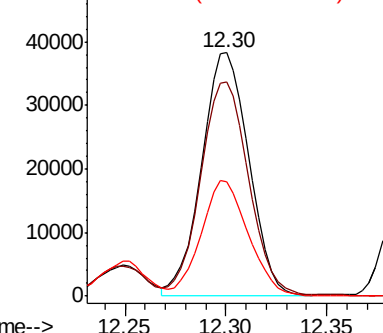
89 47.2 21.3 64.0

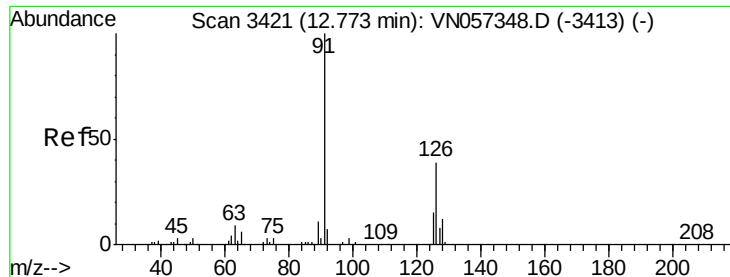


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

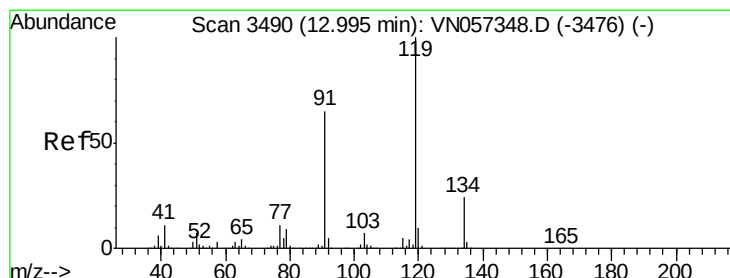
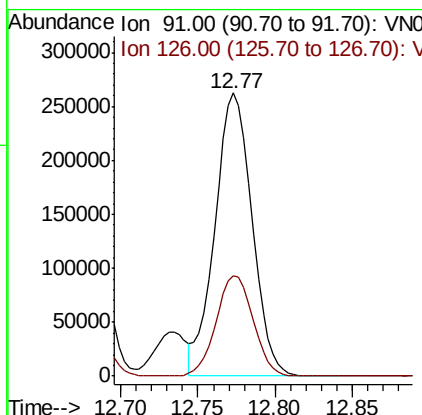
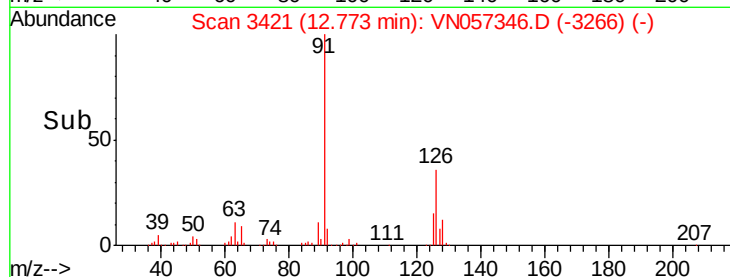
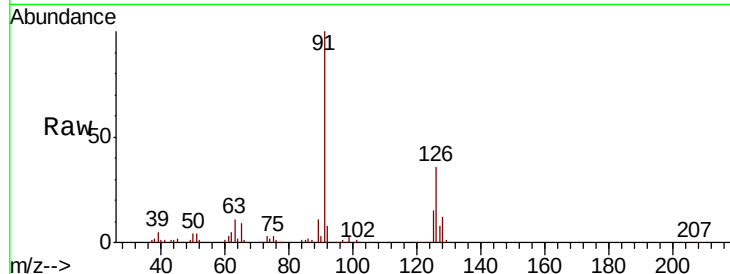




#78
4-Chlorotoluene
Concen: 17.780 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

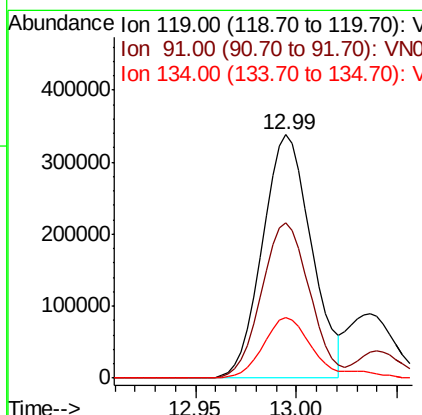
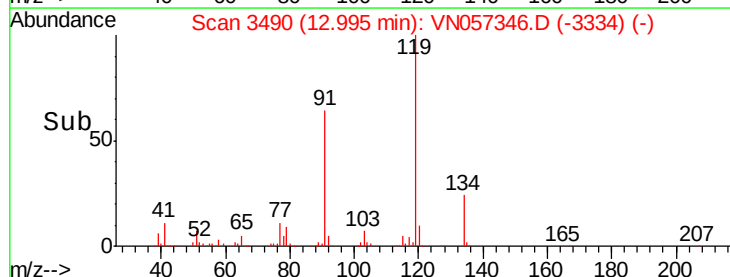
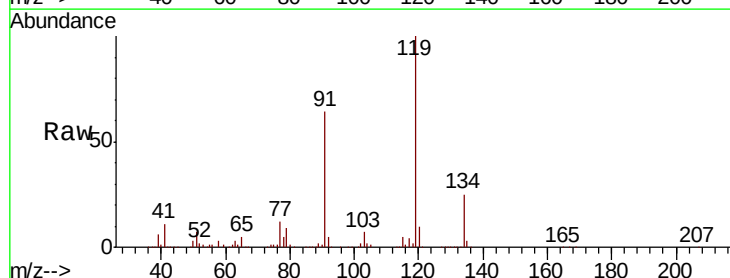
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

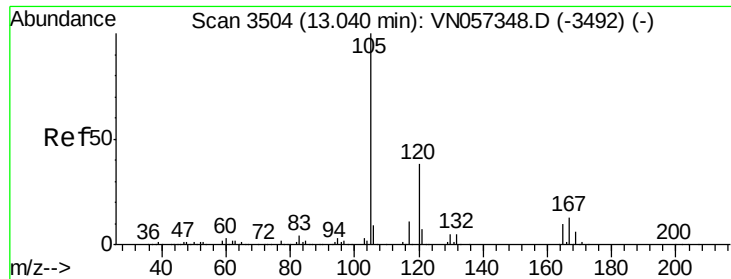
Tgt Ion: 91 Resp: 435636
Ion Ratio Lower Upper
91 100
126 35.6 0.0 69.4



#79
tert-butylbenzene
Concen: 18.908 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057346.D
Acq: 16 Aug 2019 11:04

Tgt Ion: 119 Resp: 569299
Ion Ratio Lower Upper
119 100
91 62.8 0.0 125.4
134 24.1 0.0 48.4

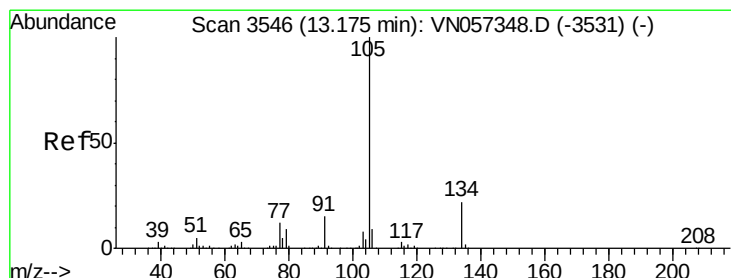
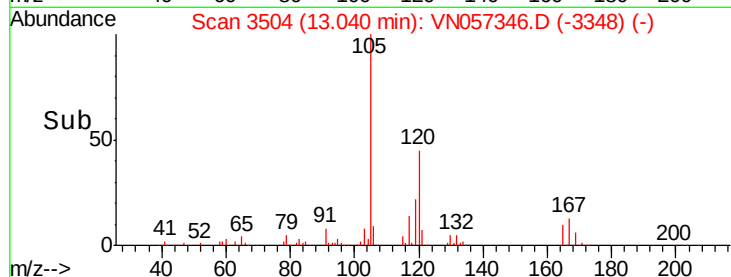
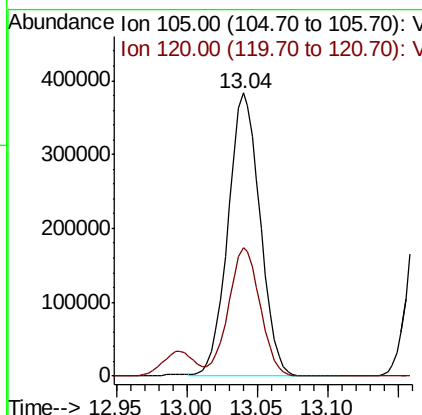
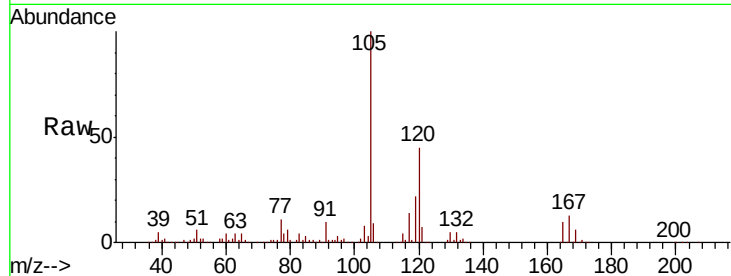




#80
 1,2,4-Trimethylbenzene
 Concen: 19.086 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

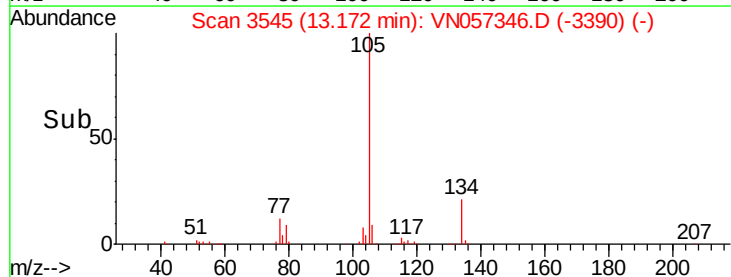
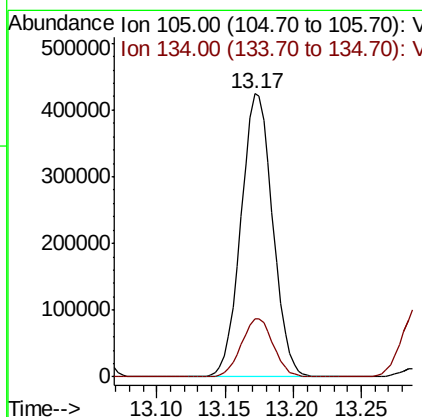
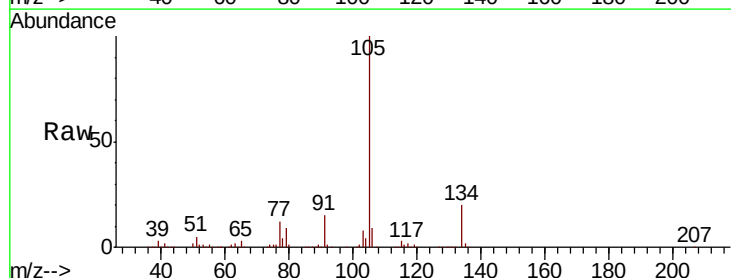
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

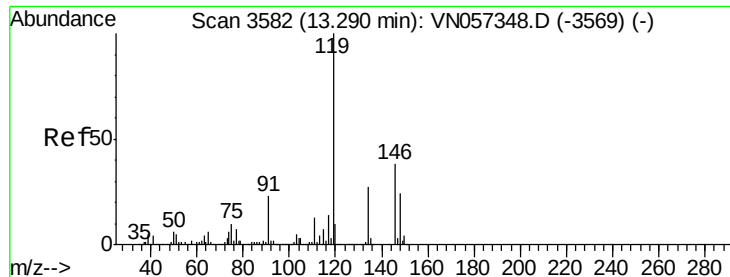
Tgt Ion:105 Resp: 608292
 Ion Ratio Lower Upper
 105 100
 120 45.1 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 18.432 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion:105 Resp: 684090
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8





#82

p-Isopropyltoluene

Concen: 18.150 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

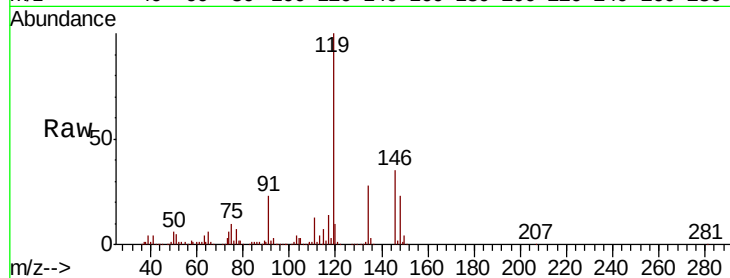
Tgt Ion:119 Resp: 603488

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.8

91 22.3 0.0 45.4

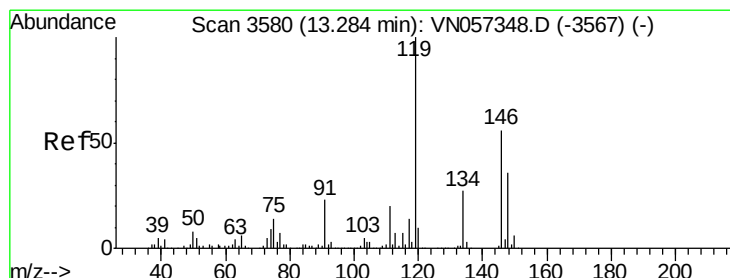
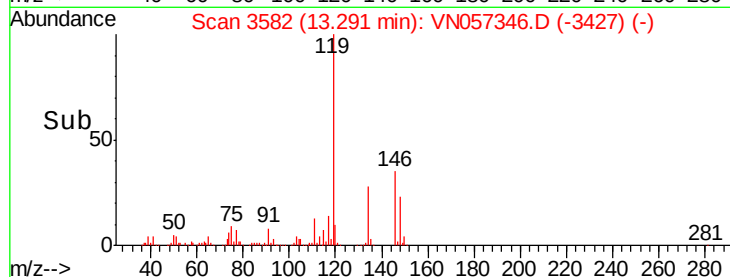
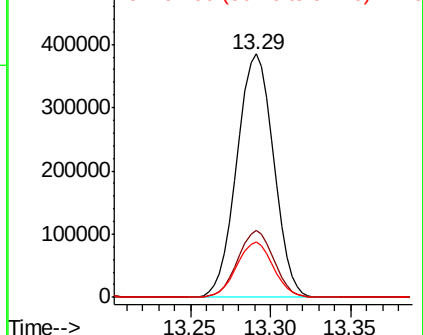


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 17.418 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

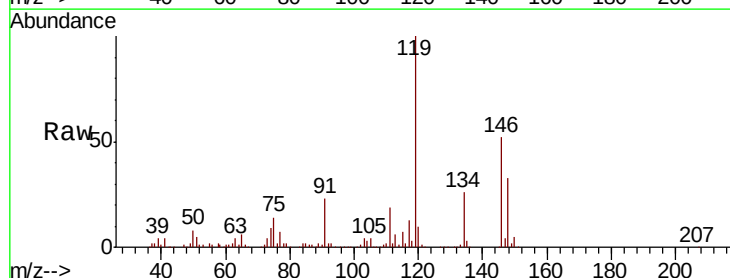
Tgt Ion:146 Resp: 274676

Ion Ratio Lower Upper

146 100

111 37.5 18.7 56.1

148 65.1 31.8 95.4

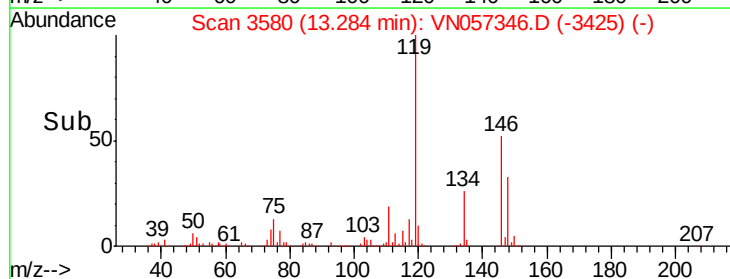
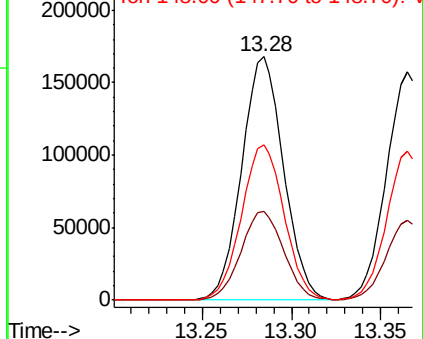


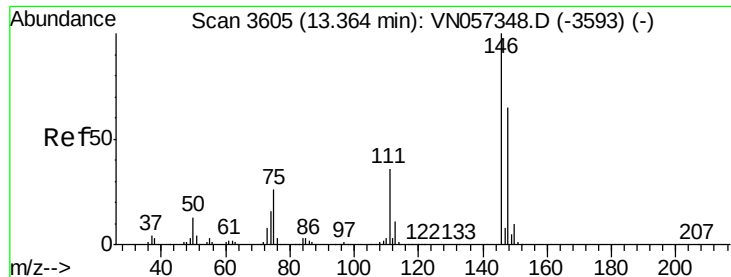
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

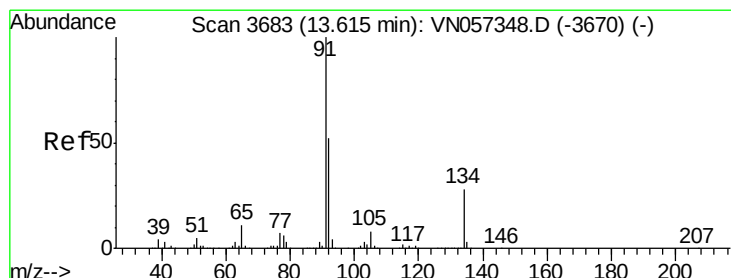
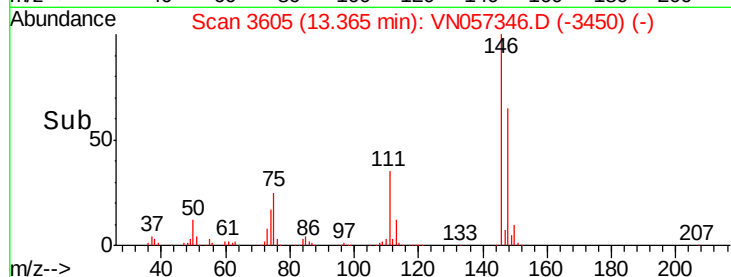
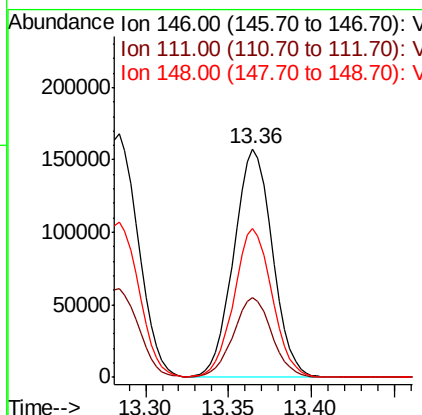
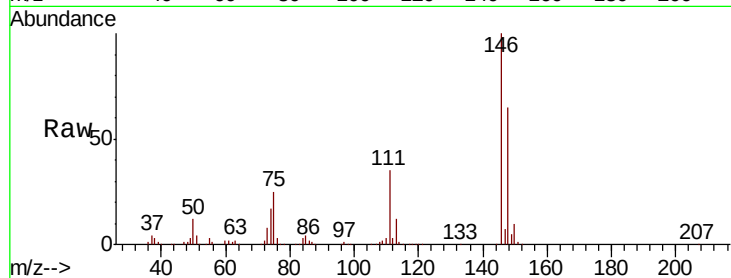




#84
 1,4-Dichlorobenzene
 Concen: 17.391 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

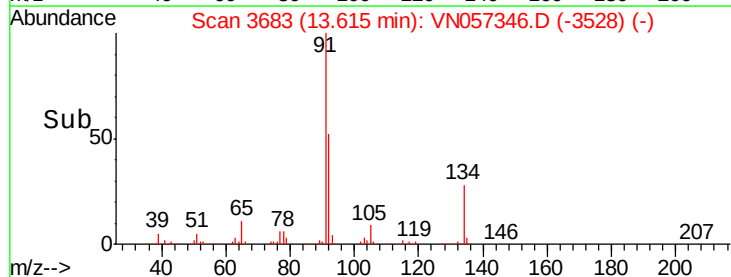
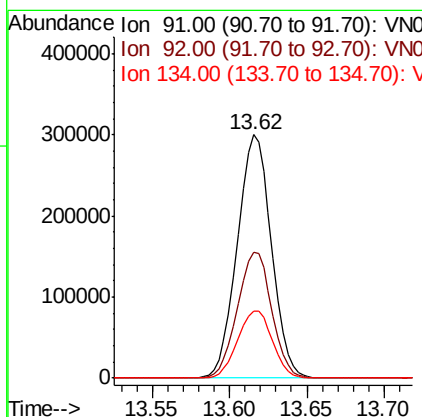
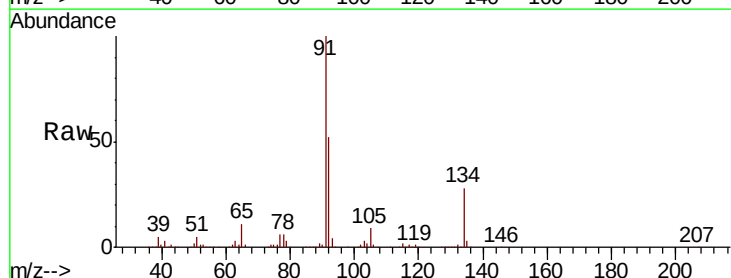
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

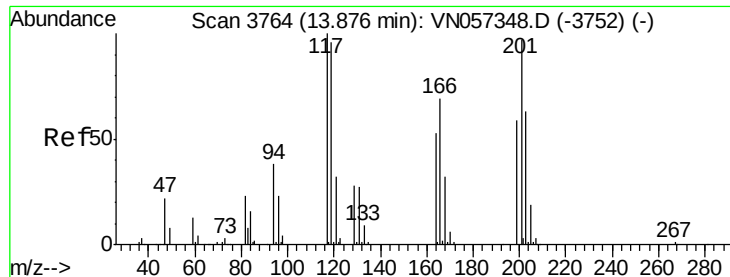
Tgt Ion: 146 Resp: 255990
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.8 53.4
 148 64.2 31.9 95.5



#85
 n-Butylbenzene
 Concen: 18.629 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Tgt Ion: 91 Resp: 460596
 Ion Ratio Lower Upper
 91 100
 92 52.0 0.0 104.0
 134 28.0 0.0 53.2





#86

Hexachloroethane

Concen: 18.575 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

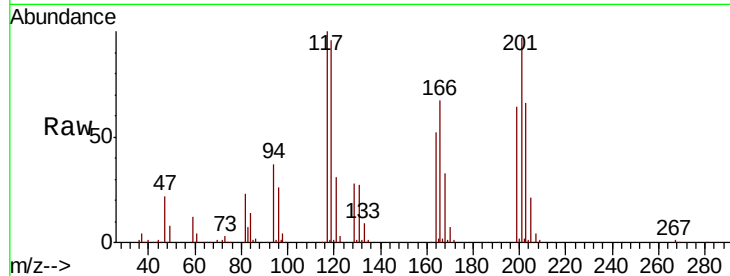
VSTDCCC020

Tgt Ion:117 Resp: 118879

Ion Ratio Lower Upper

117 100

201 98.1 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.88

80000

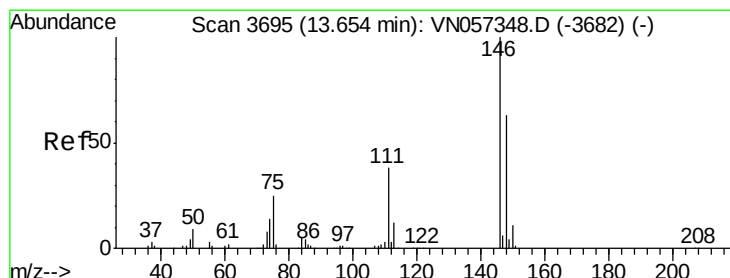
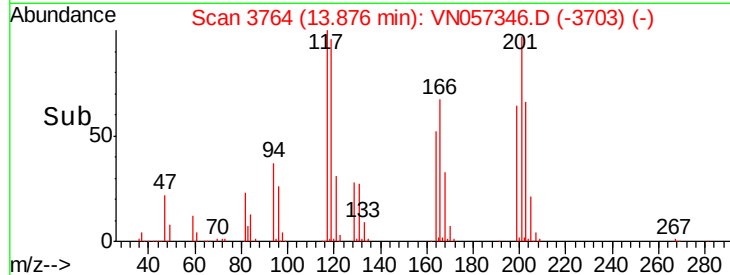
60000

40000

20000

0

Time--> 13.80 13.85 13.90



#87

1,2-Dichlorobenzene

Concen: 17.896 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

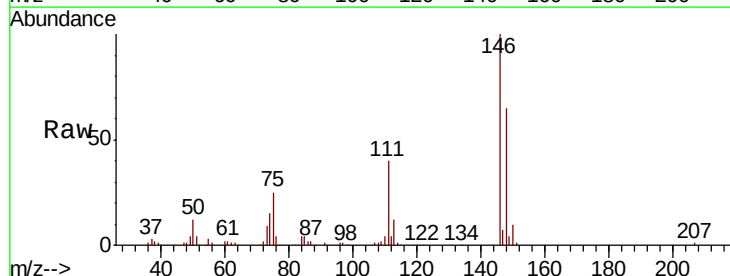
Tgt Ion:146 Resp: 266614

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

148 65.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

200000

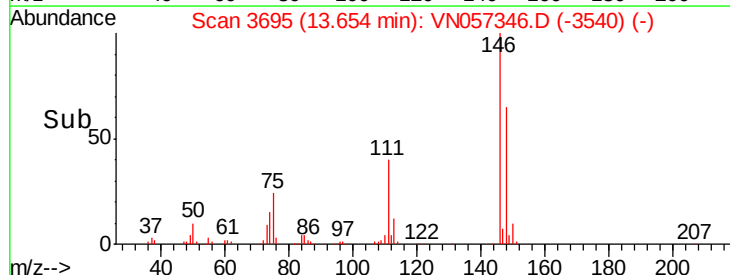
150000

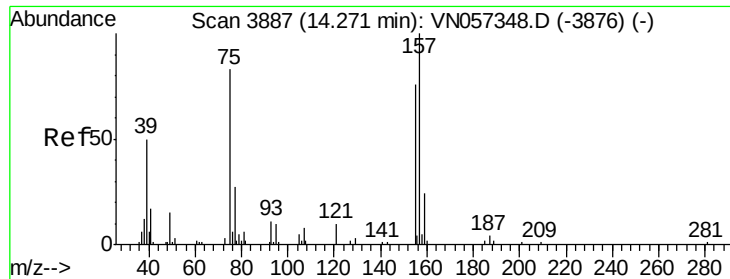
100000

50000

0

Time--> 13.60 13.65 13.70





#88

1,2-Dibromo-3-Chloropropane

Concen: 16.098 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

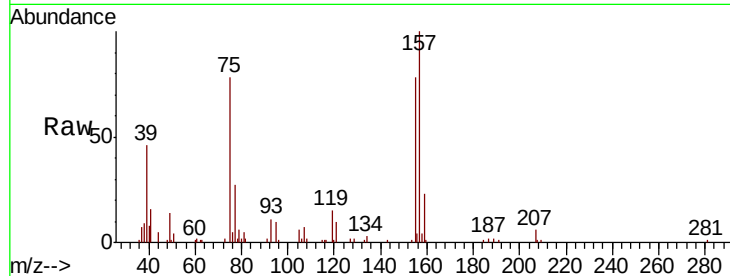
Tgt Ion: 75 Resp: 24012

Ion Ratio Lower Upper

75 100

155 100.2 78.6 117.8

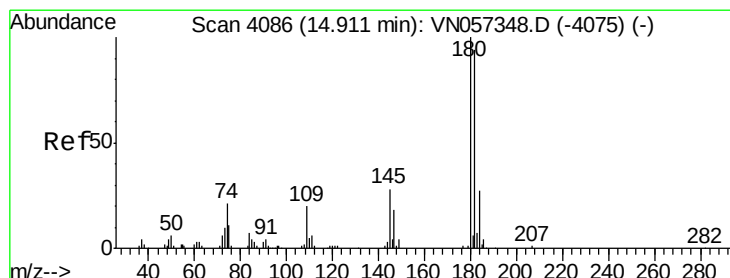
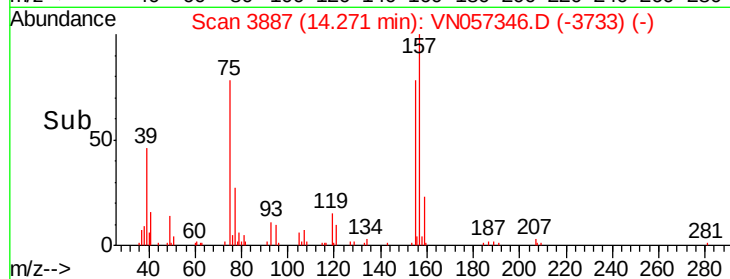
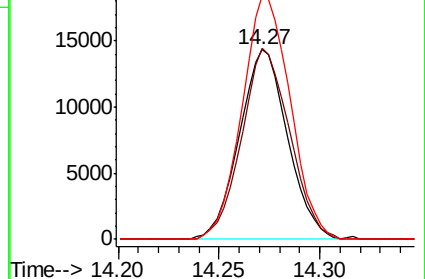
157 128.3 99.3 148.9



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3876) (-)

Ion 155.00 (154.70 to 155.70): VN057348.D (-3876) (-)

Ion 157.00 (156.70 to 157.70): VN057348.D (-3876) (-)



#89

1,2,4-Trichlorobenzene

Concen: 12.666 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

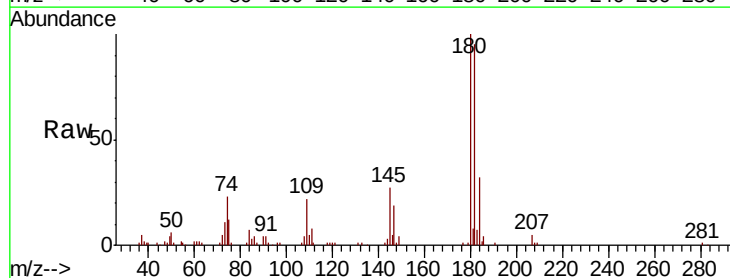
Tgt Ion: 180 Resp: 66766

Ion Ratio Lower Upper

180 100

182 95.5 78.2 117.4

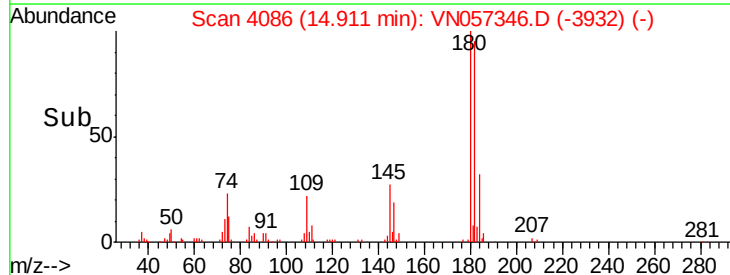
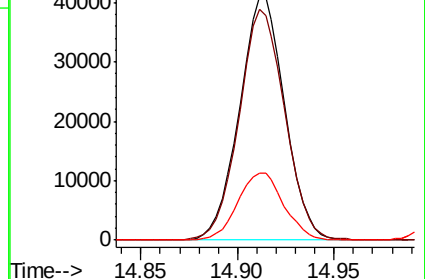
145 27.9 23.2 34.8

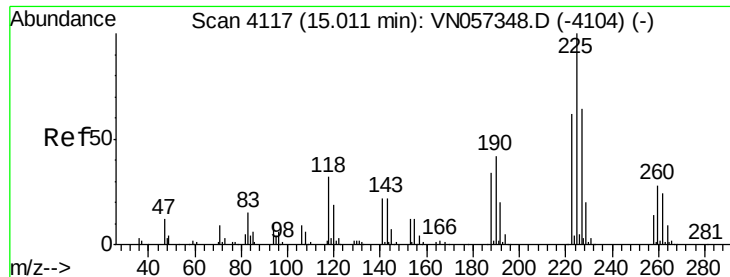


Abundance Ion 180.00 (179.70 to 180.70): VN057348.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN057348.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN057348.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 19.197 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

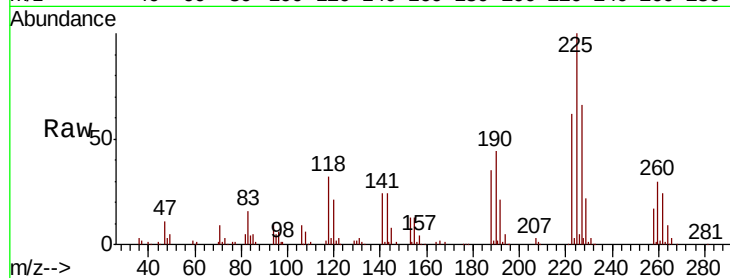
Tgt Ion:225 Resp: 129134

Ion Ratio Lower Upper

225 100

223 63.6 0.0 124.6

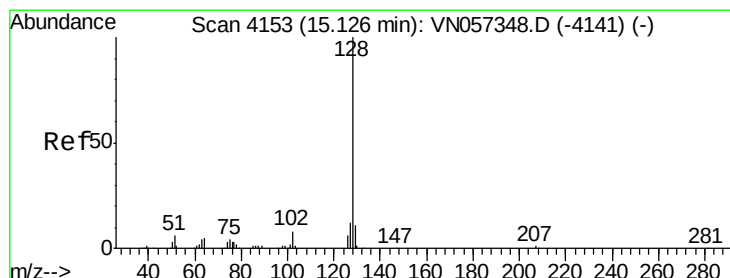
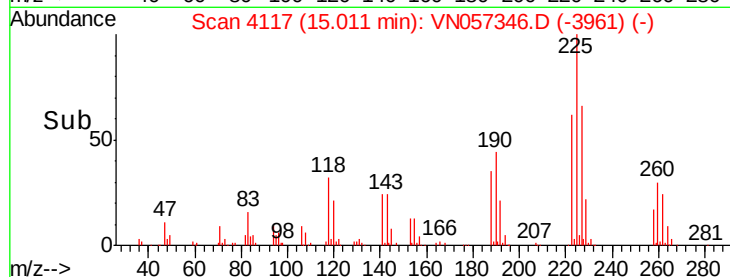
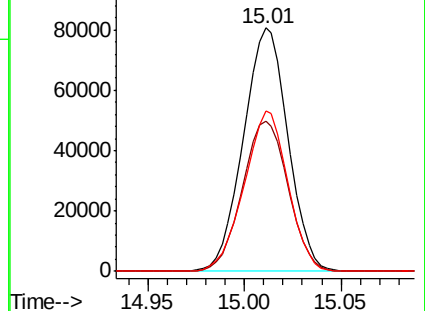
227 64.6 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 11.669 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057346.D

Acq: 16 Aug 2019 11:04

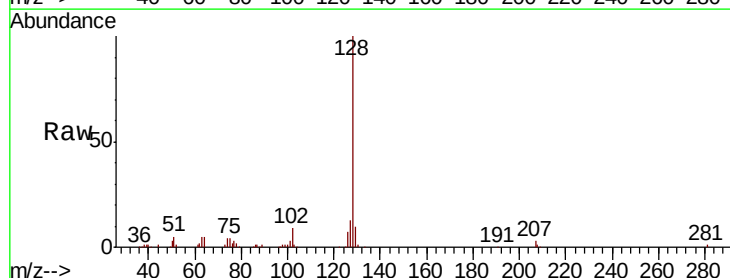
Tgt Ion:128 Resp: 132940

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

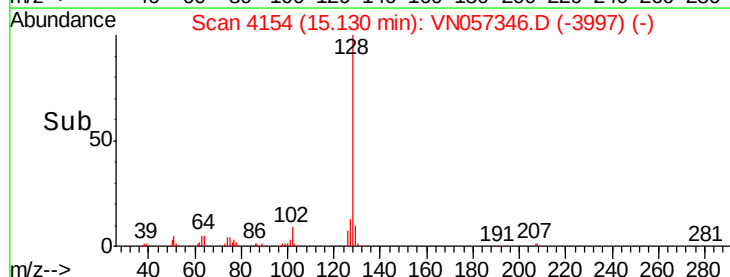
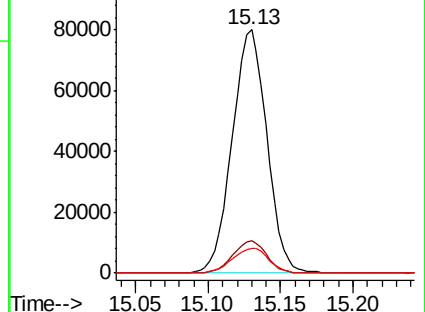
129 10.6 8.8 13.2

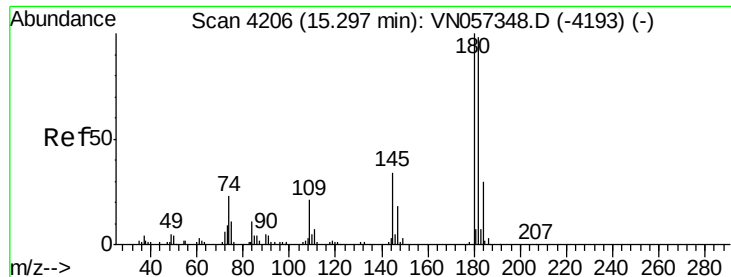


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

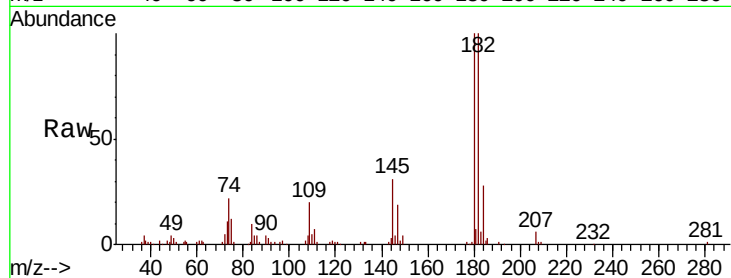




#92
 1,2,3-Trichlorobenzene
 Concen: 13.614 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057346.D
 Acq: 16 Aug 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:180 Resp: 68042
 Ion Ratio Lower Upper
 180 100
 182 99.5 0.0 192.4
 145 30.9 0.0 60.4



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

