

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056029.D
 Acq On : 6 Jun 2019 1:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jun 06 04:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53342	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	287976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252398	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	99842	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	109185	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	10.09	98	348166	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	64349	21.448	ug/l 99
3) Chloromethane	2.06	50	73074	20.846	ug/l 99
4) Vinyl Chloride	2.18	62	74434	20.827	ug/l 97
5) Bromomethane	2.53	94	48683	21.675	ug/l 99
6) Chloroethane	2.68	64	44391	21.959	ug/l 95
7) Trichlorofluoromethane	3.00	101	89568	20.255	ug/l 99
8) Diethyl Ether	3.40	74	37328	19.904	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55776	20.434	ug/l 97
10) 1,1-Dichloroethene	3.72	96	55696	20.003	ug/l 97
11) Methyl Iodide	3.94	142	78591	17.890	ug/l 99
12) Methyl Acetate	4.33	43	66958	20.012	ug/l 100
13) Acrolein	3.60	56	16206	99.371	ug/l 99
14) Acrylonitrile	4.99	53	150263	100.703	ug/l 99
15) Acetone	3.82	58	41835	85.627	ug/l 93
16) Carbon Disulfide	4.04	76	125402	18.928	ug/l 99
17) Allyl chloride	4.31	41	84674	19.627	ug/l 99
18) Methylene Chloride	4.54	84	66145	20.519	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	60285	20.283	ug/l 98
20) Diisopropyl ether	5.96	45	182568	20.425	ug/l 96
21) 1,1-Dichloroethane	5.84	63	105613	20.331	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	70767	20.400	ug/l 97
23) tert-Butyl Alcohol	4.82	59	55097	94.864	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	180845	20.380	ug/l 100
25) Chloroform	7.37	83	106732	20.577	ug/l 99
26) Cyclohexane	7.65	56	96672	20.059	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	79664	20.451	ug/l 100
30) 2-Butanone	6.84	43	196528	95.834	ug/l 99
31) 2,2-Dichloropropane	6.82	77	57569	15.886	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	86599	20.122	ug/l 99
33) Carbon Tetrachloride	7.77	117	70726	19.397	ug/l 97
34) Benzene	8.04	78	254155	20.477	ug/l 98
35) Methacrylonitrile	7.18	41	40224	23.228	ug/l 98
36) 1,2-Dichloroethane	8.12	62	80797	20.783	ug/l 99
37) Trichloroethene	8.83	130	70008	20.157	ug/l 95
38) Methylcyclohexane	9.08	83	96400	19.521	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66056	20.780	ug/l 99
40) Dibromomethane	9.21	93	42791	20.303	ug/l 100

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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	74176	19.654	ug/l	99
42) Vinyl Acetate	5.90	43	734990	100.531	ug/l	99
43) Ethyl Acetate	6.93	43	79080	20.149	ug/l #	92
44) Isopropyl Acetate	8.17	43	119981	19.689	ug/l	100
45) 1,4-Dioxane	9.20	88	25448	390.382	ug/l	94
46) Methyl methacrylate	9.20	41	58470	19.314	ug/l	99
47) n-amyl Acetate	12.07	43	97849	19.416	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	71625	18.034	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	87671	18.851	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	62878	20.086	ug/l	98
51) Ethyl methacrylate	10.43	69	94057	19.860	ug/l	99
52) 1,3-Dichloropropane	10.71	76	103380	20.370	ug/l	99
53) Dibromochloromethane	10.90	129	58658	19.141	ug/l	97
54) 1,2-Dibromoethane	11.00	107	65061	19.916	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	150477	90.709	ug/l	100
56) Bromoform	12.13	173	39427	17.785	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	392166	102.609	ug/l	99
59) 2-Hexanone	10.75	43	271584	99.419	ug/l	99
61) Tetrachloroethene	10.63	164	75102	21.350	ug/l	97
62) Toluene	10.16	91	277824	20.390	ug/l	100
64) Chlorobenzene	11.43	112	166907	20.195	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58682	19.691	ug/l	100
66) Ethyl Benzene	11.51	91	291448	20.083	ug/l	99
67) m/p-Xylenes	11.62	106	226762	40.823	ug/l	100
68) o-Xylene	11.95	106	112605	20.707	ug/l	100
69) Styrene	11.96	104	175837	19.901	ug/l	99
70) Isopropylbenzene	12.25	105	292728	20.602	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	86931	20.293	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	96489	26.019	ug/l	72
73) Bromobenzene	12.53	156	76044	20.163	ug/l	98
74) n-propylbenzene	12.59	91	299732	19.990	ug/l	99
75) 2-Chlorotoluene	12.67	91	187968	20.211	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	236711	20.254	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16791	15.868	ug/l	93
78) 4-Chlorotoluene	12.77	91	172022	19.805	ug/l	99
79) tert-butylbenzene	12.99	119	212056	20.479	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	227436	20.004	ug/l	99
81) sec-Butylbenzene	13.17	105	266208	20.323	ug/l	99
82) p-Isopropyltoluene	13.29	119	234597	19.809	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	113566	19.323	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	103156	18.426	ug/l	98
85) n-Butylbenzene	13.61	91	158426	17.924	ug/l	99
86) Hexachloroethane	13.87	117	33552	18.173	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	115724	19.371	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11734	17.450	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	43431	18.919	ug/l	97
90) Hexachlorobutadiene	15.01	225	41422	18.993	ug/l	99
91) Naphthalene	15.13	128	126044	15.886	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	52751	16.868	ug/l	99

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QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

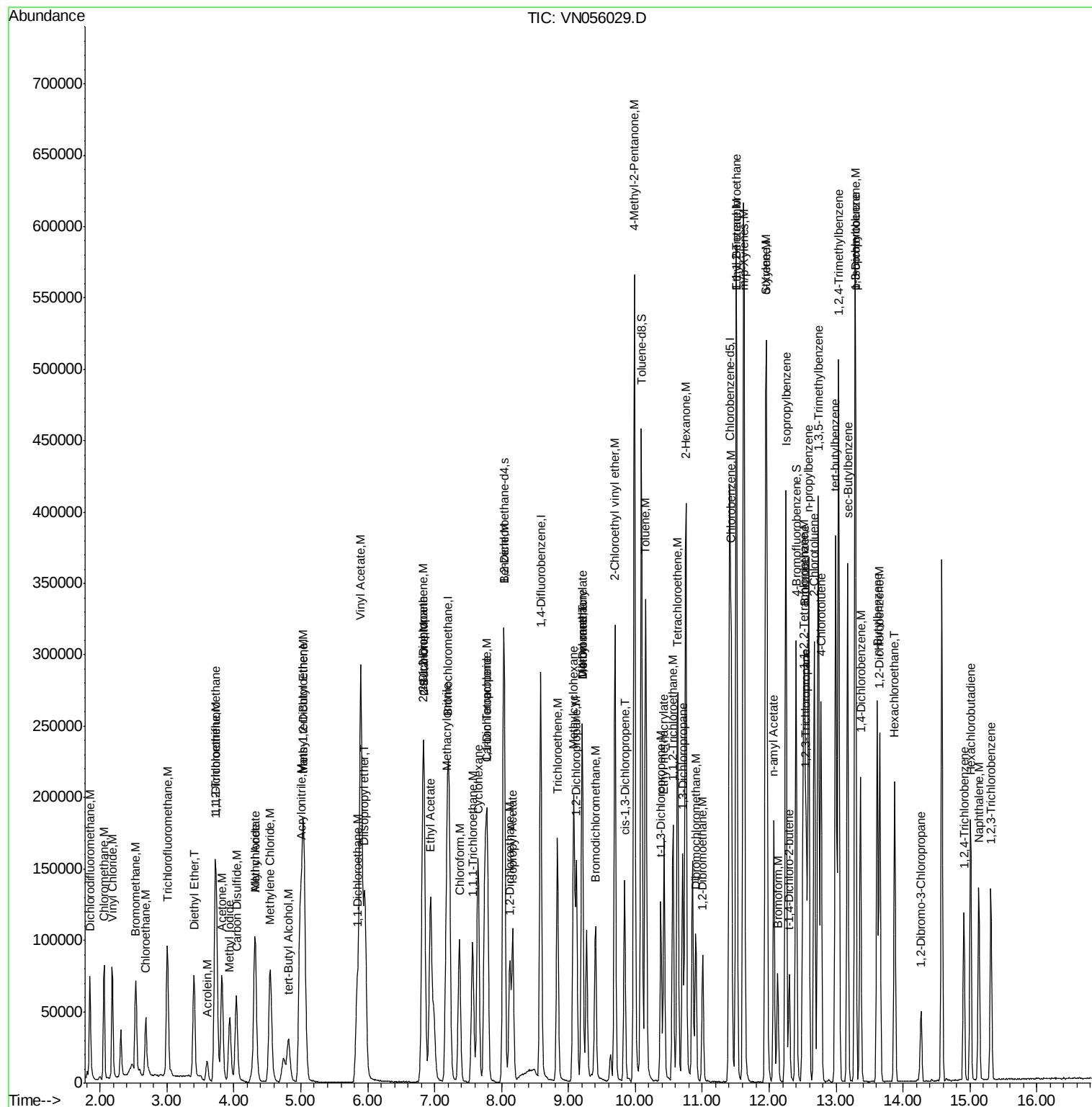
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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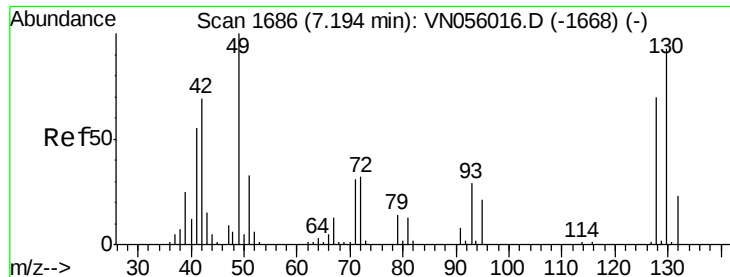
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleId :
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Quant Time: Jun 06 04:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

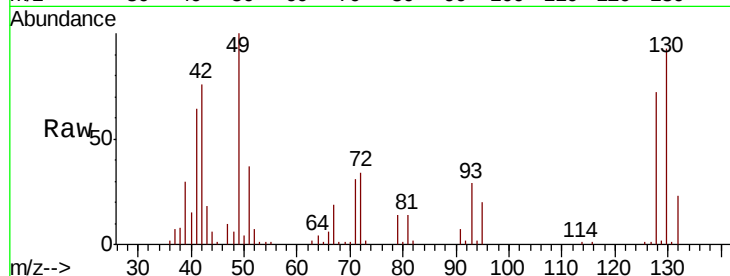
Tot Ion:128 Resp: 53342

Ion Ratio Lower Upper

128 100

49 141.9 0.0 355.8

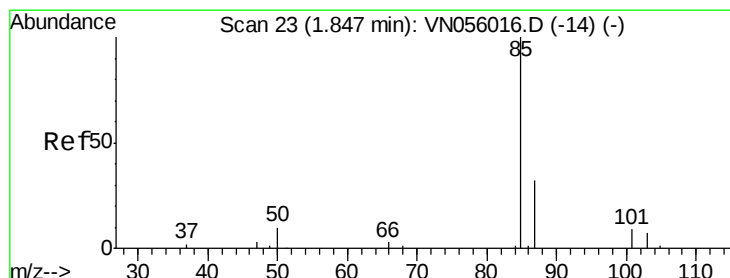
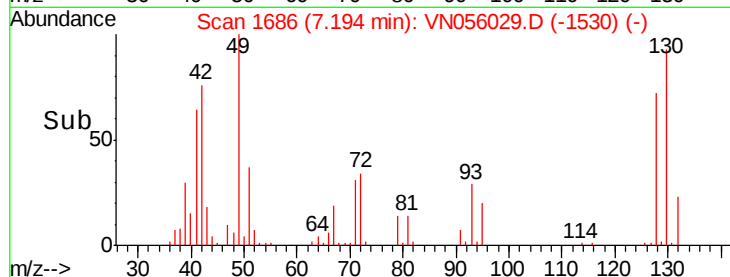
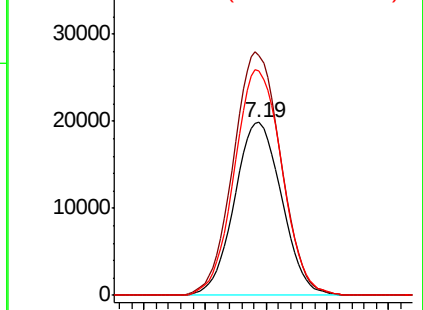
130 131.3 0.0 326.3



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: 21.448 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056029.D

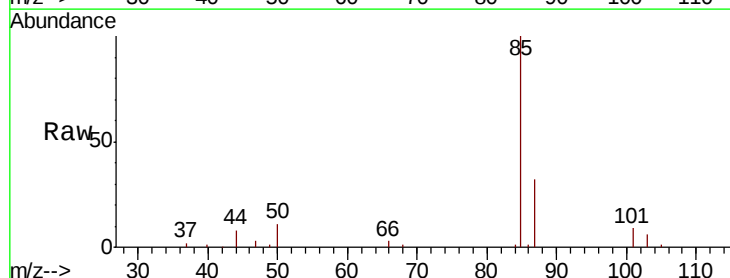
Acq: 6 Jun 2019 1:33

Tgt Ion: 85 Resp: 64349

Ion Ratio Lower Upper

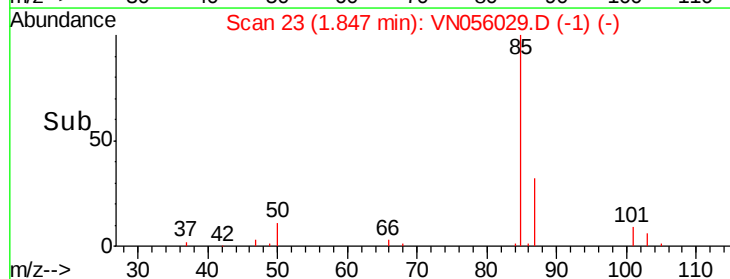
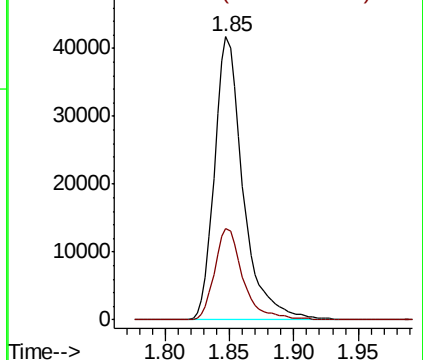
85 100

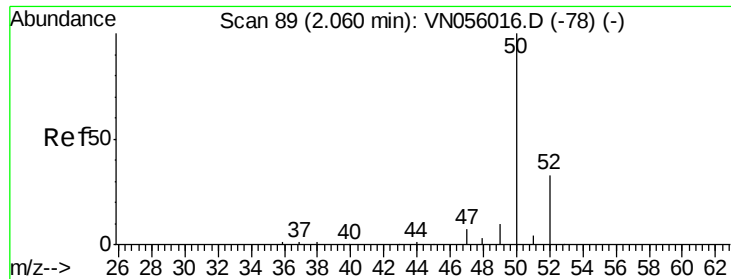
87 32.3 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.846 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

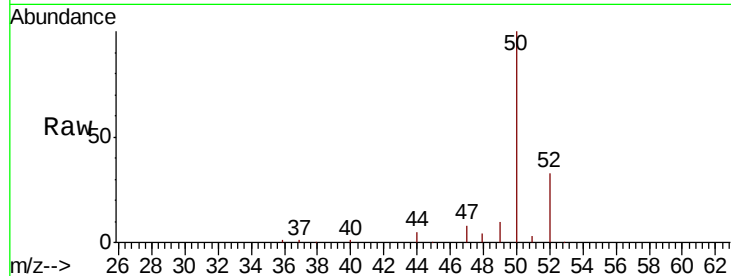
VSTDCCC020EC

Tot Ion: 50 Resp: 73074

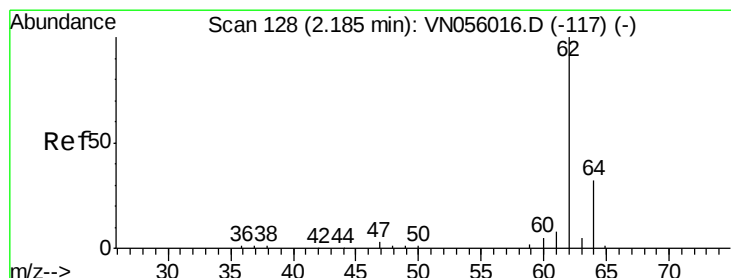
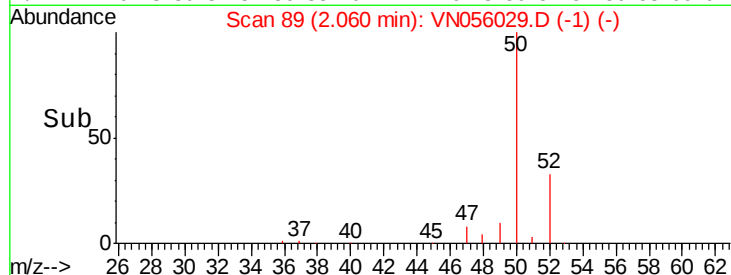
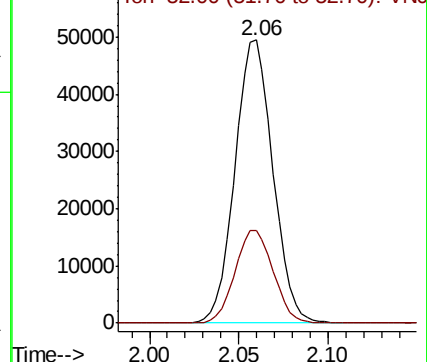
Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.827 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056029.D

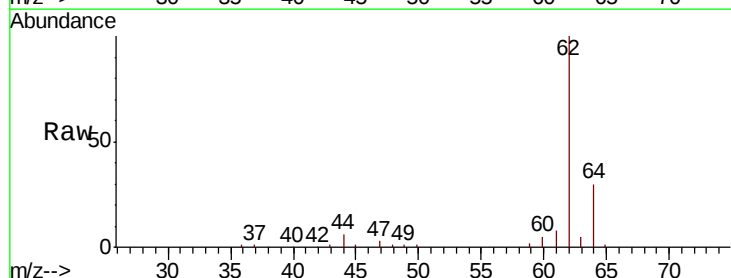
Acq: 6 Jun 2019 1:33

Tgt Ion: 62 Resp: 74434

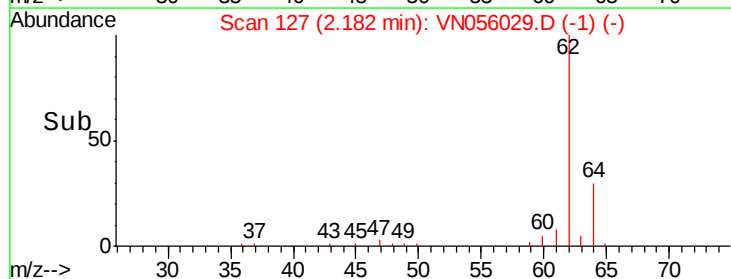
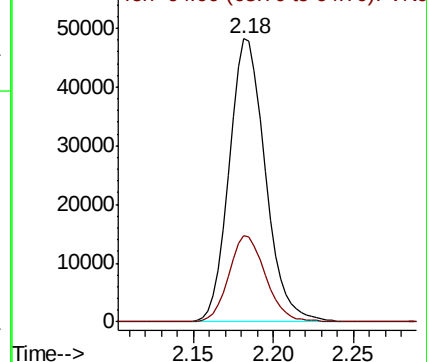
Ion Ratio Lower Upper

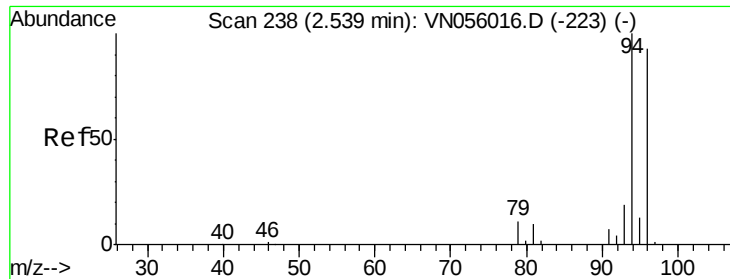
62 100

64 30.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO

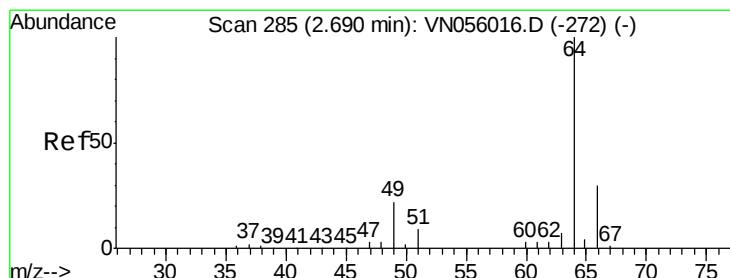
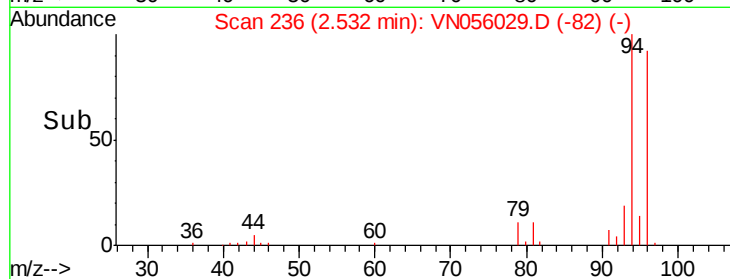
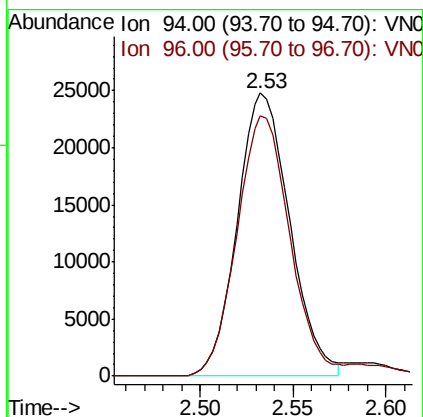
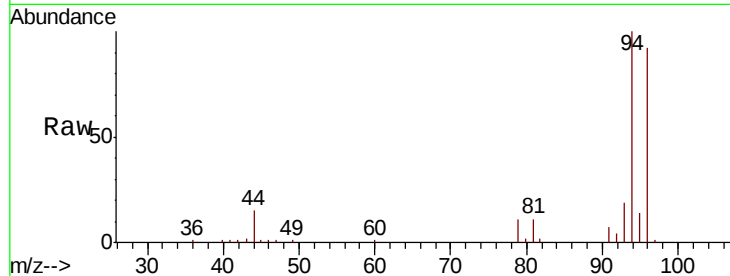




#5
Bromomethane
Concen: 21.675 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

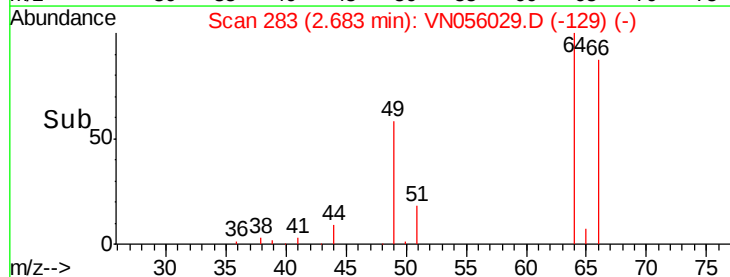
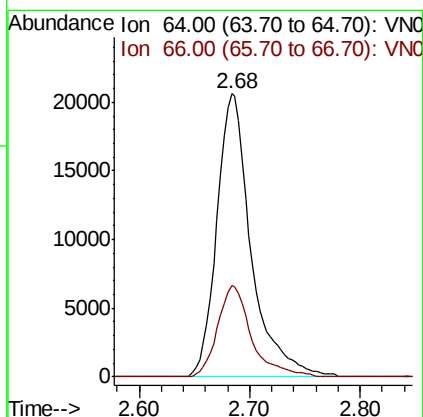
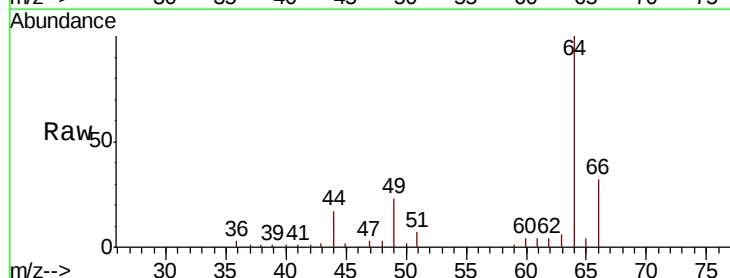
Instrument :
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ClientSampleId :
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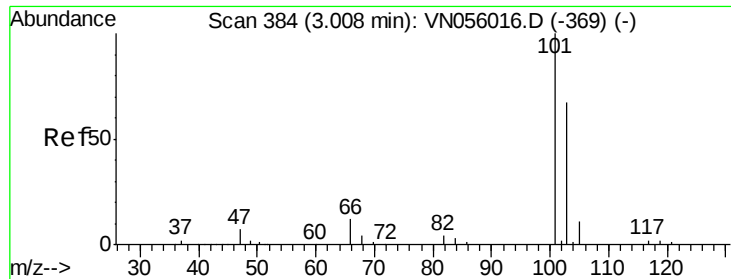
Tot Ion: 94 Resp: 48683
Ion Ratio Lower Upper
94 100
96 91.9 74.1 111.1



#6
Chloroethane
Concen: 21.959 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 64 Resp: 44391
Ion Ratio Lower Upper
64 100
66 32.2 23.7 35.5



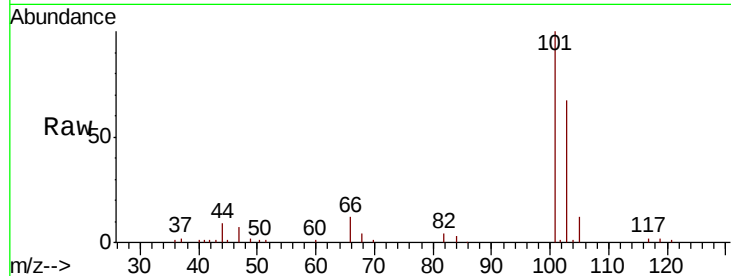


#7

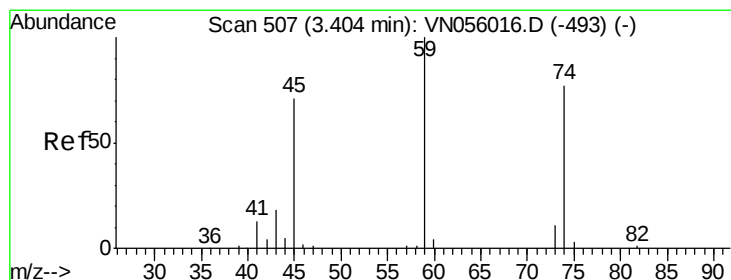
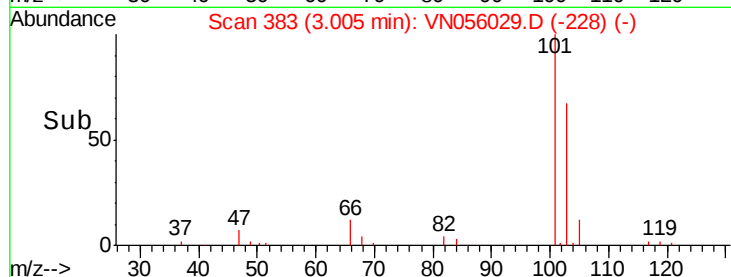
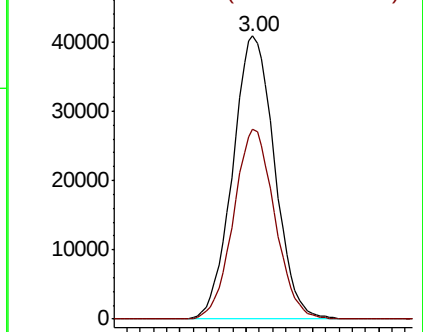
Trichlorofluoromethane
Concen: 20.255 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:101 Resp: 89568
Ion Ratio Lower Upper
101 100
103 67.2 53.4 80.0



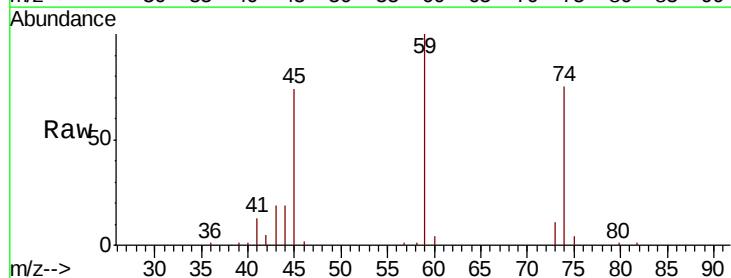
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



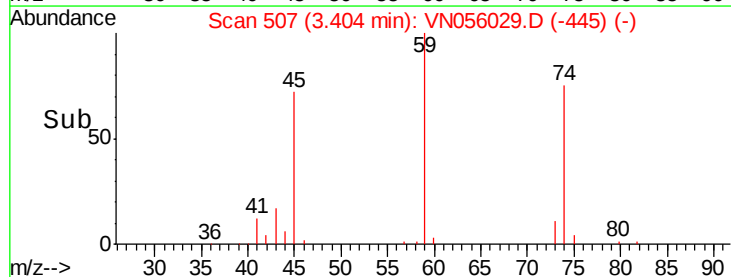
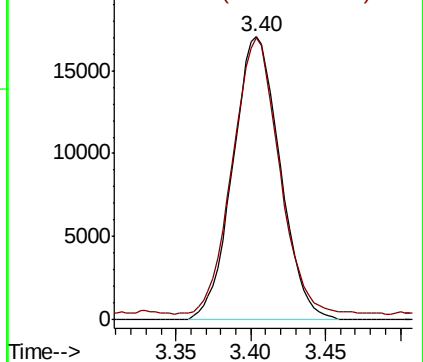
#8

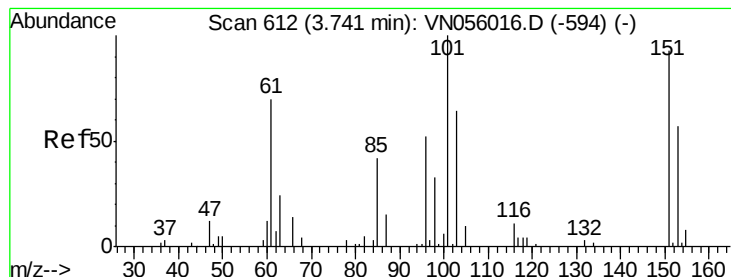
Diethyl Ether
Concen: 19.904 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 74 Resp: 37328
Ion Ratio Lower Upper
74 100
45 94.8 18.8 169.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.434 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

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ClientSampleId :

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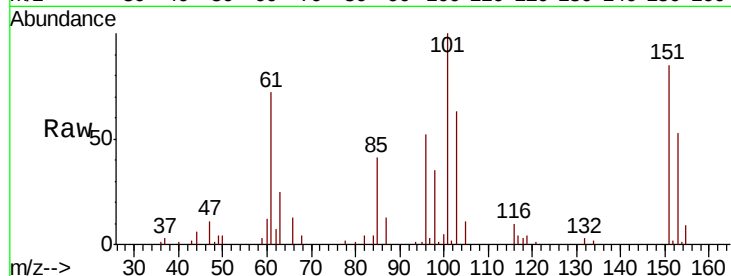
Tot Ion:101 Resp: 55776

Ion Ratio Lower Upper

101 100

85 39.5 0.0 82.0

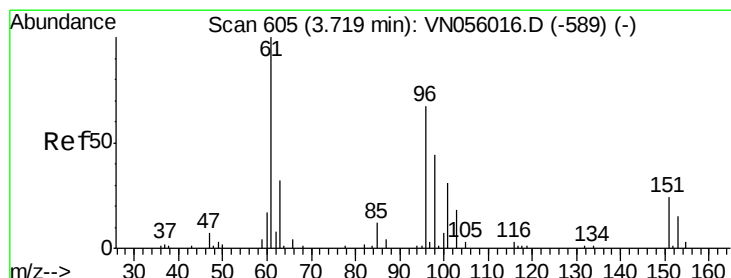
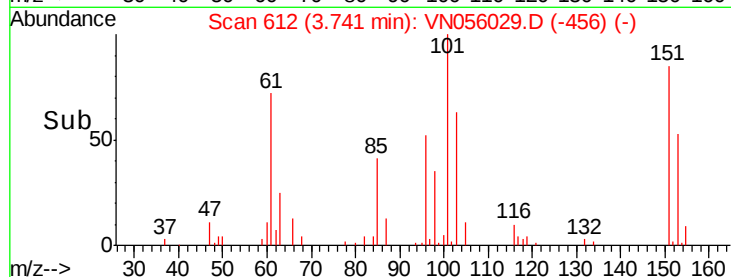
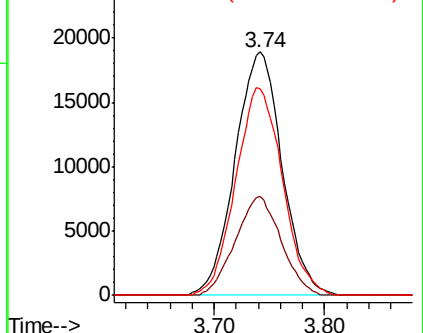
151 85.0 0.0 177.0



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: 20.003 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

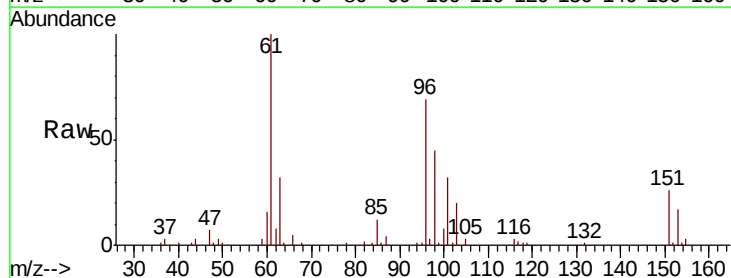
Tgt Ion: 96 Resp: 55696

Ion Ratio Lower Upper

96 100

61 144.7 119.7 179.5

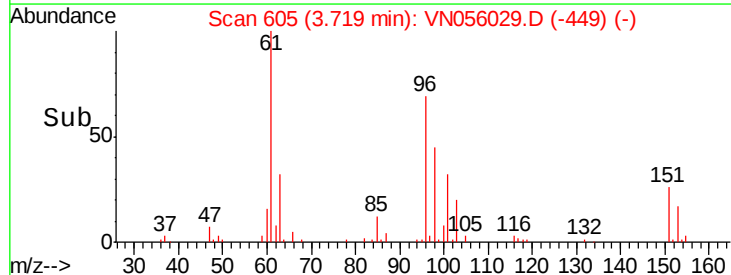
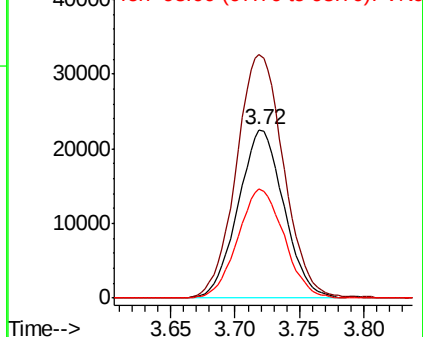
98 64.6 52.3 78.5

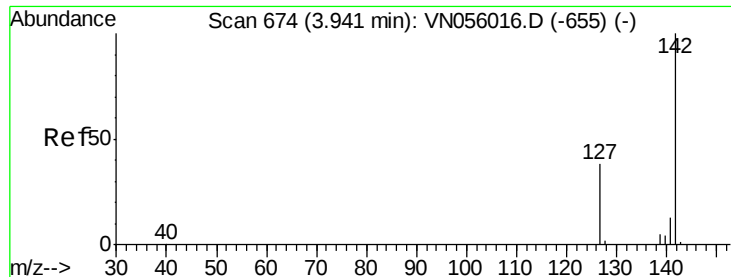


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

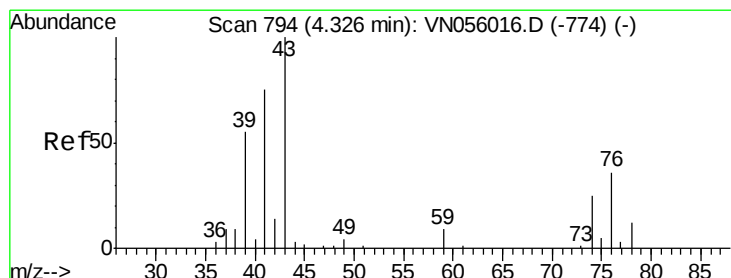
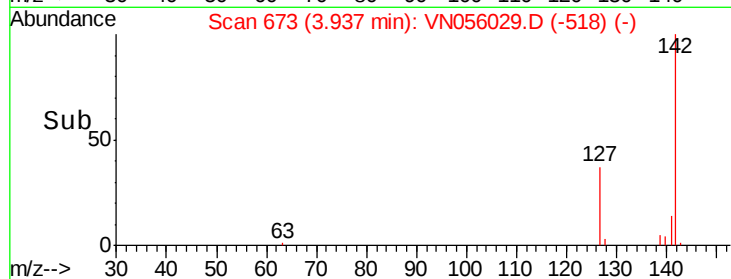
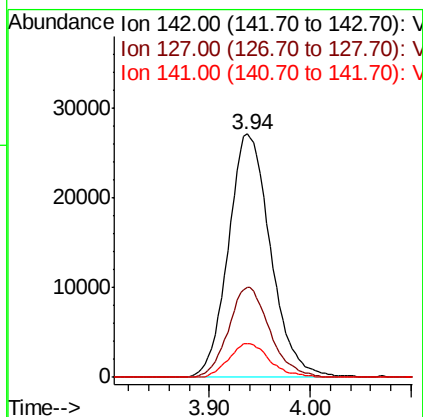
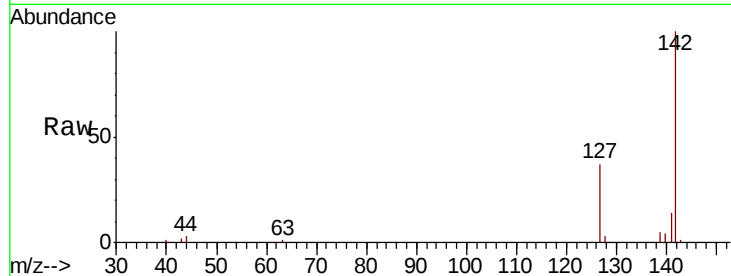




#11
Methvl Iodide
Concen: 17.890 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

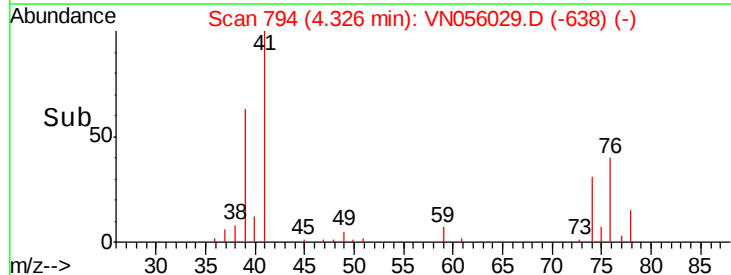
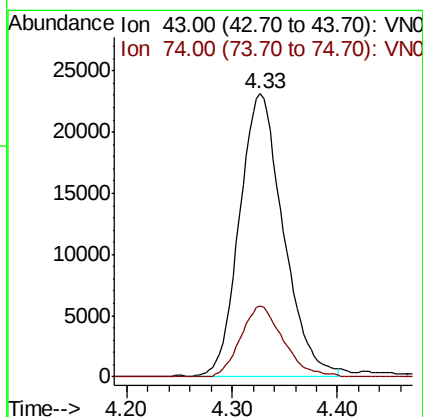
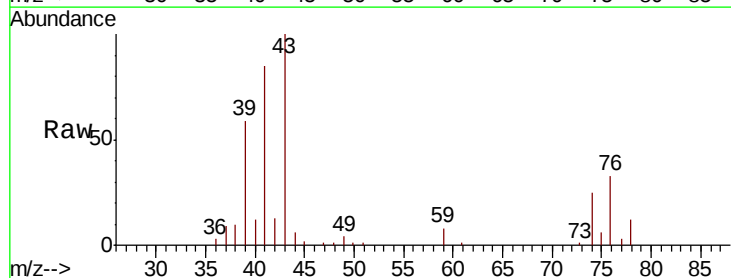
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

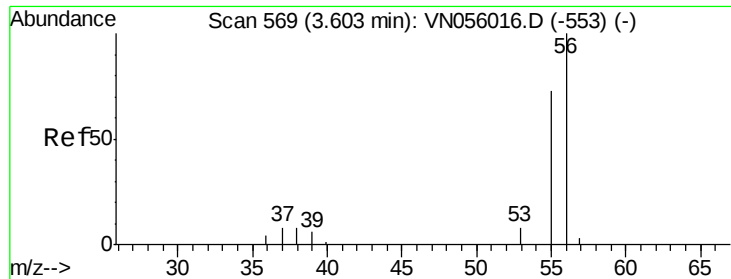
Tot Ion:142 Resp: 78591
Ion Ratio Lower Upper
142 100
127 37.3 19.0 57.0
141 13.9 6.7 20.0



#12
Methyl Acetate
Concen: 20.012 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 43 Resp: 66958
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9





#13

Acrolein

Concen: 99.371 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

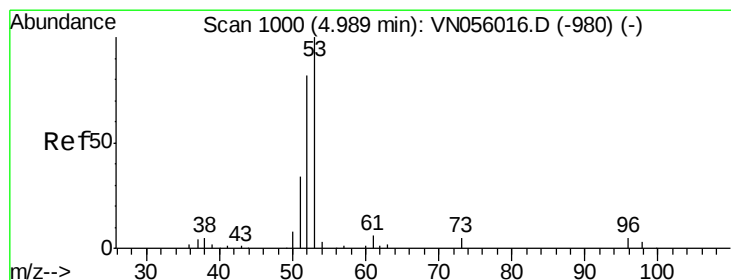
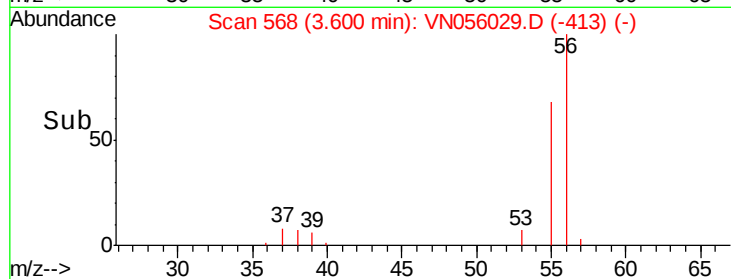
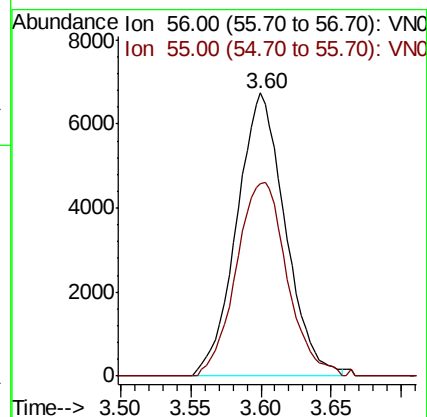
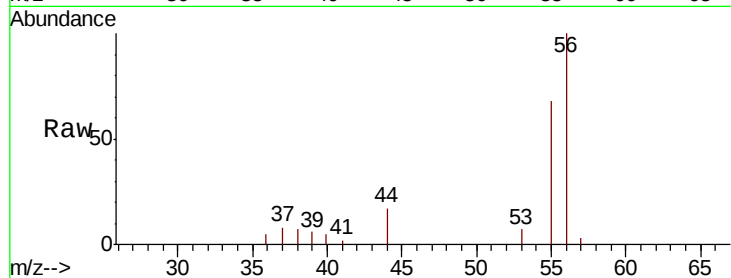
VSTDCCC020EC

Tot Ion: 56 Resp: 16206

Ion Ratio Lower Upper

56 100

55 71.7 57.9 86.9



#14

Acrylonitrile

Concen: 100.703 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

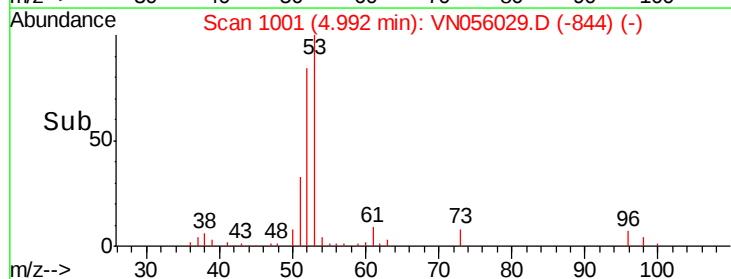
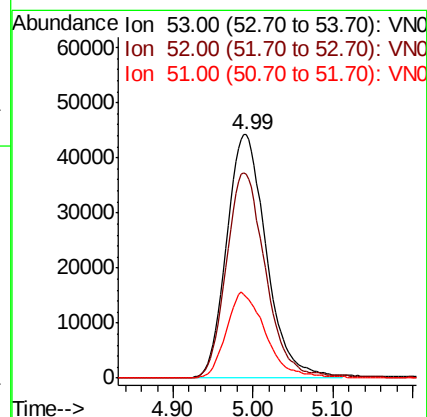
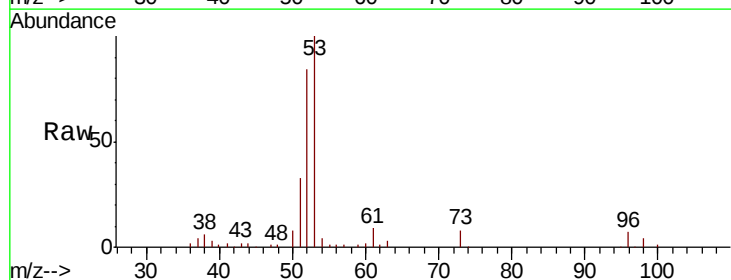
Tgt Ion: 53 Resp: 150263

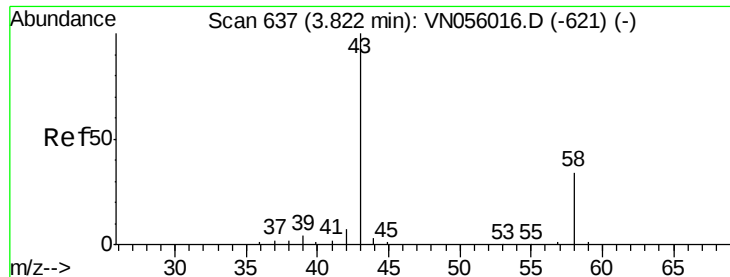
Ion Ratio Lower Upper

53 100

52 82.4 40.8 122.2

51 34.8 17.3 52.0





#15

Acetone

Concen: 85.627 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

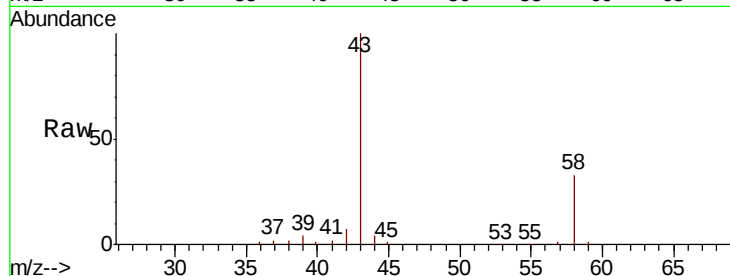
VSTDCCC020EC

Tot Ion: 58 Resp: 41835

Ion Ratio Lower Upper

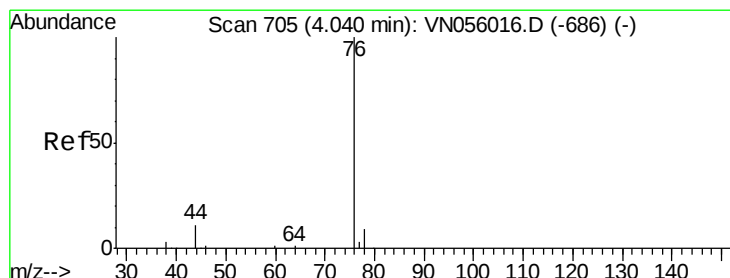
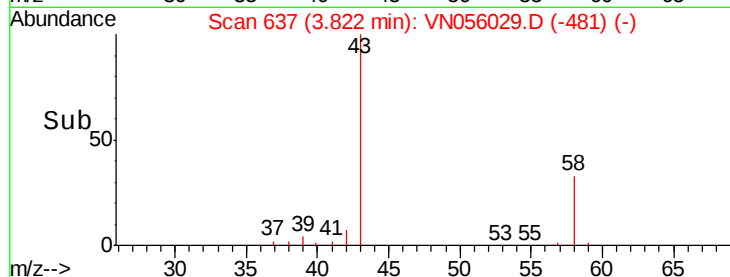
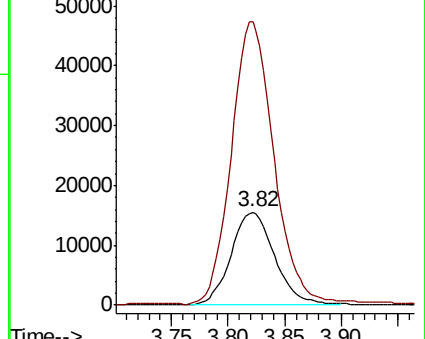
58 100

43 303.2 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.928 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056029.D

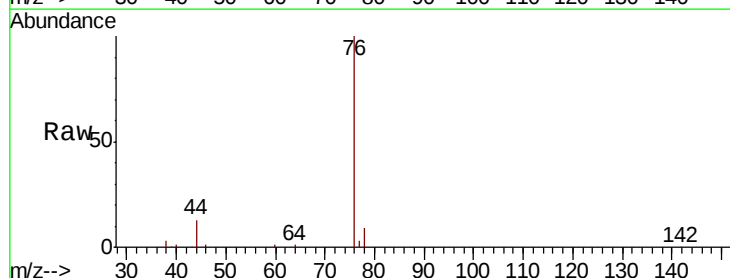
Acq: 6 Jun 2019 1:33

Tgt Ion: 76 Resp: 125402

Ion Ratio Lower Upper

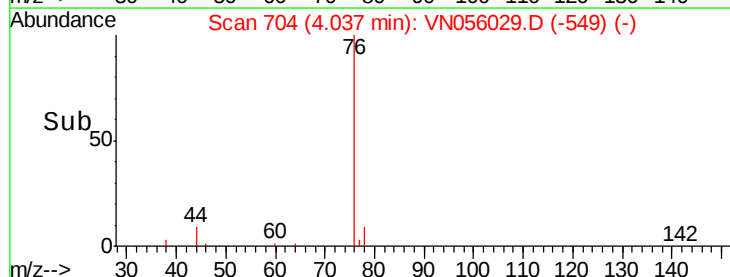
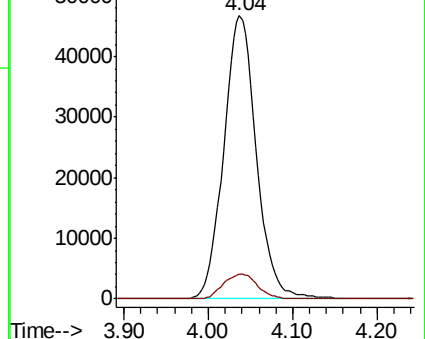
76 100

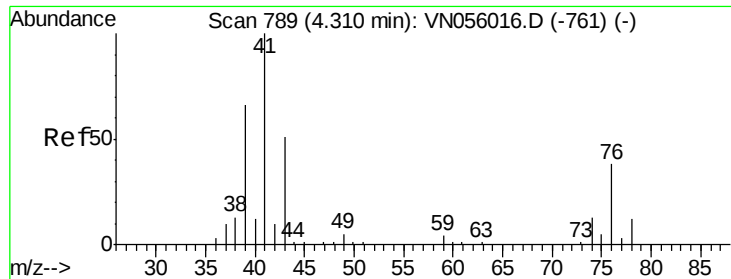
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

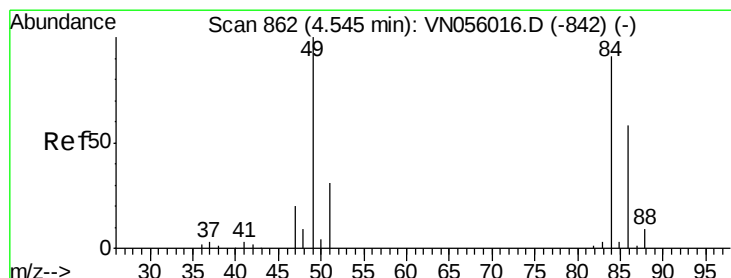
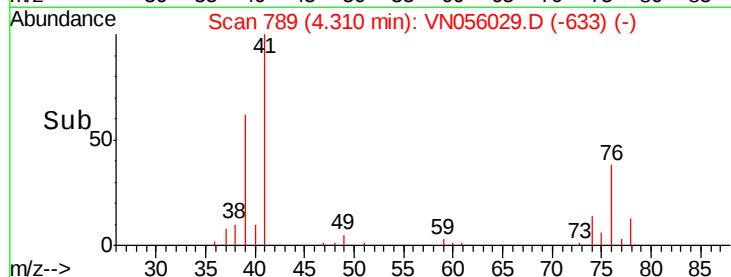
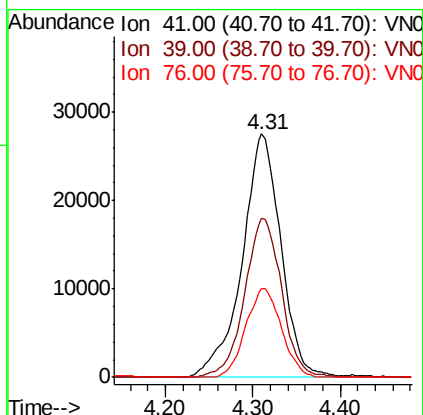
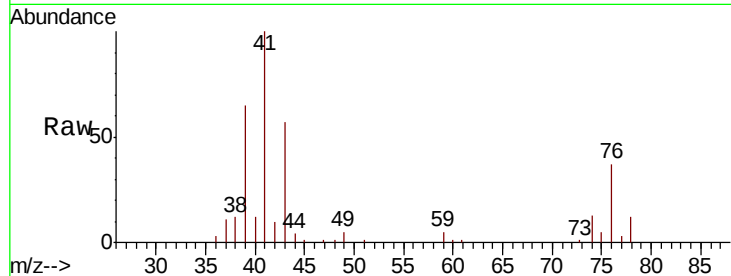




#17
Allvl chloride
Concen: 19.627 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

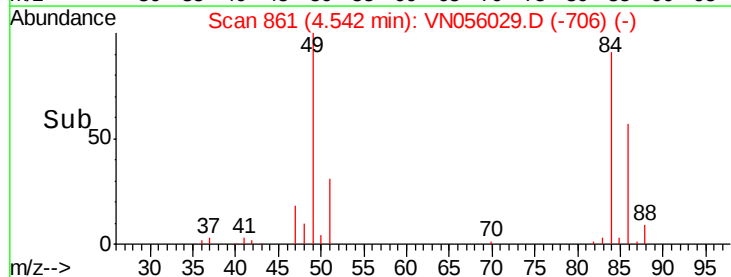
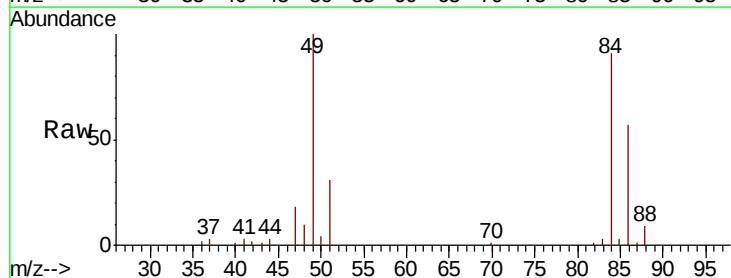
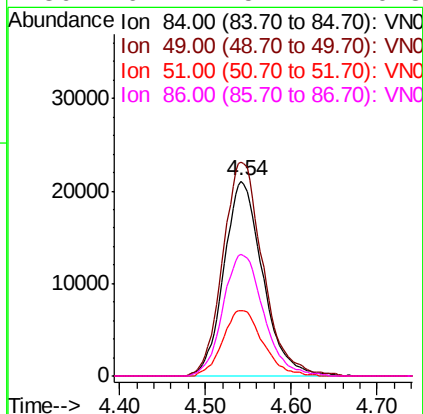
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

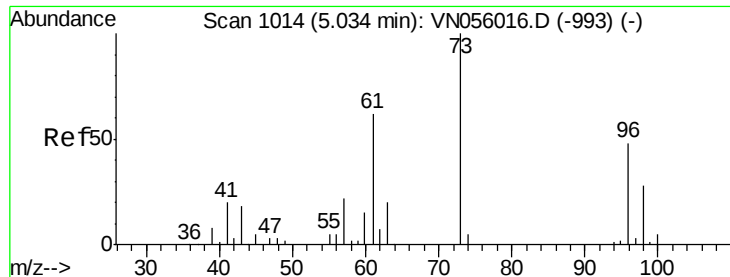
Tot Ion: 41 Resp: 84674
Ion Ratio Lower Upper
41 100
39 65.5 33.0 99.0
76 36.6 18.9 56.9



#18
Methylene Chloride
Concen: 20.519 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 84 Resp: 66145
Ion Ratio Lower Upper
84 100
49 108.6 87.6 131.4
51 33.8 27.0 40.4
86 62.1 51.2 76.8

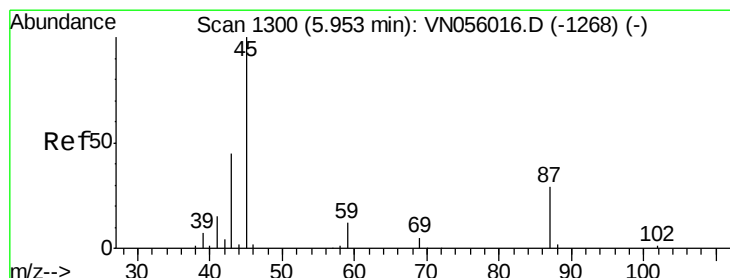
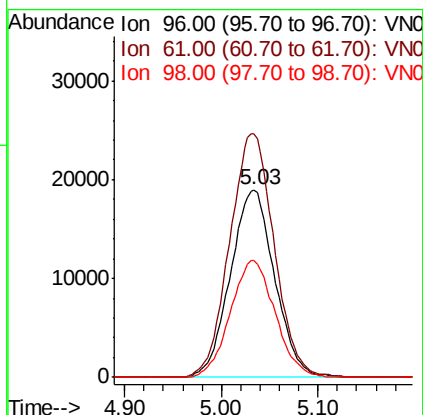
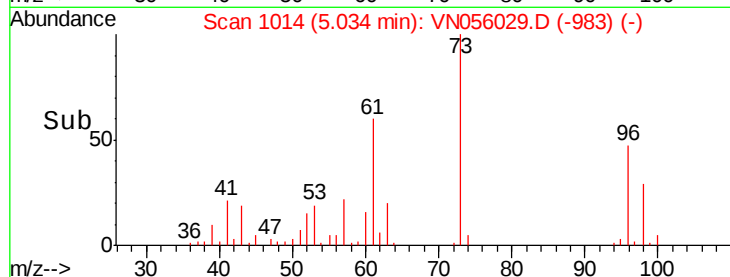
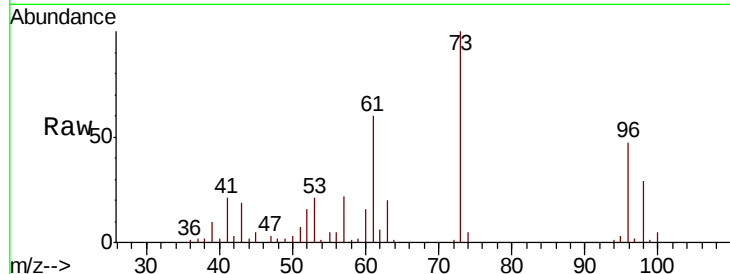




#19
trans-1,2-Dichloroethene
Concen: 20.283 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

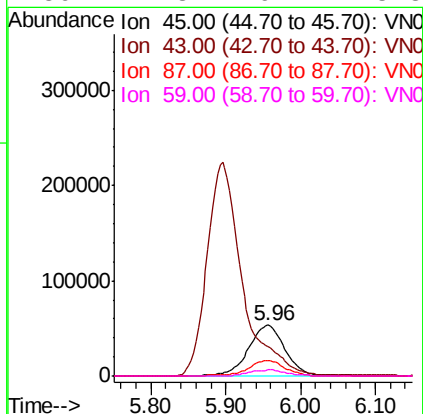
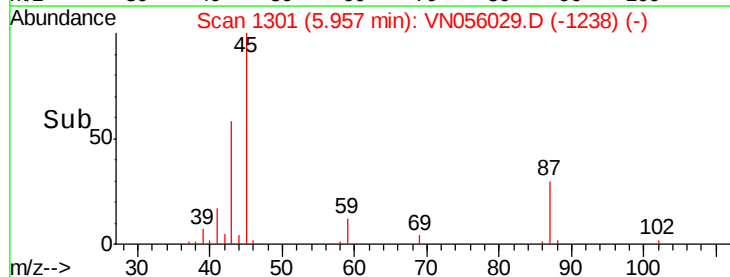
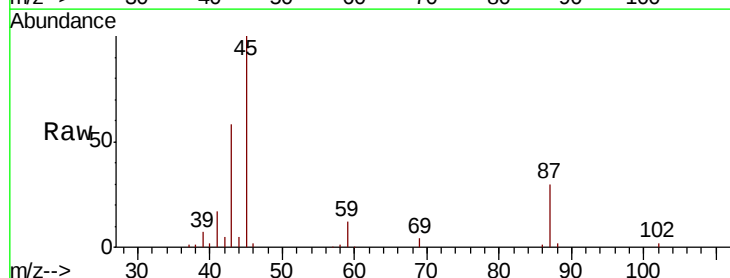
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

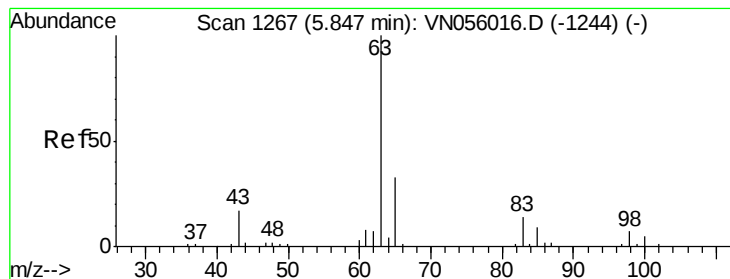
Tot Ion: 96 Resp: 60285
Ion Ratio Lower Upper
96 100
61 128.5 102.5 153.7
98 62.4 46.9 70.3



#20
Diisopropyl ether
Concen: 20.425 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 45 Resp: 182568
Ion Ratio Lower Upper
45 100
43 55.5 48.0 72.0
87 29.9 23.4 35.2
59 11.3 9.2 13.8





#21

1,1-Dichloroethane

Concen: 20.331 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

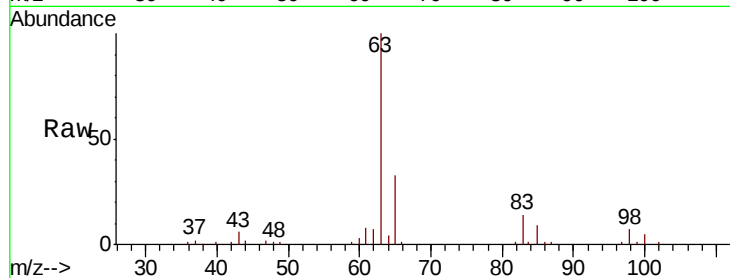
Tot Ion: 63 Resp: 105613

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

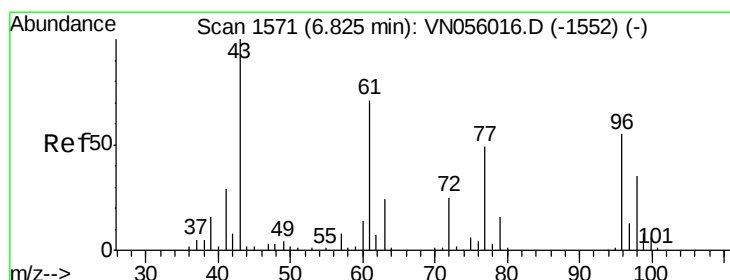
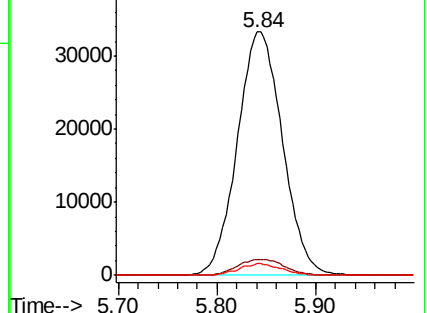
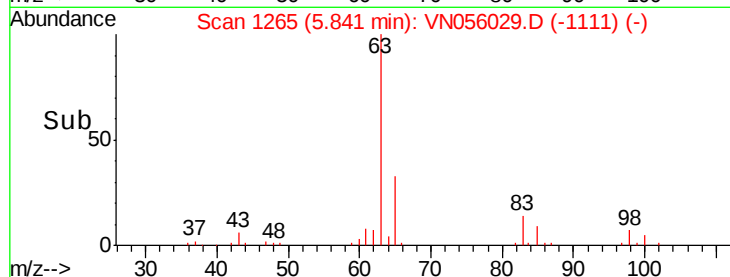
100 4.7 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VN056029.D (-1111) (-)

Ion 98.00 (97.70 to 98.70): VN056029.D (-1111) (-)

Ion 100.00 (99.70 to 100.70): VN056029.D (-1111) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.400 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

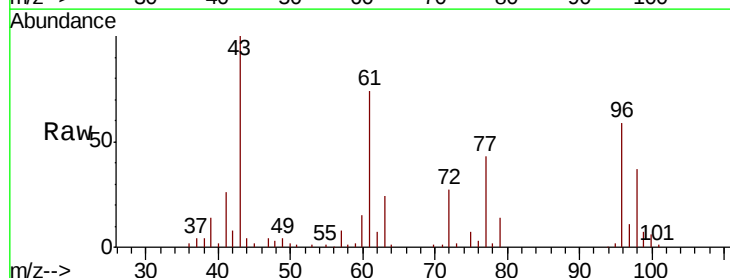
Tgt Ion: 96 Resp: 70767

Ion Ratio Lower Upper

96 100

61 128.8 105.7 158.5

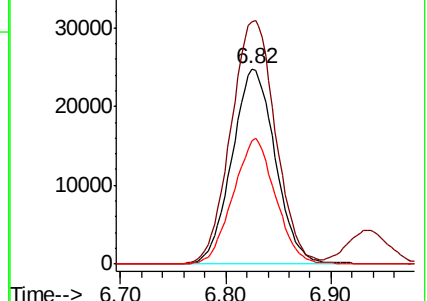
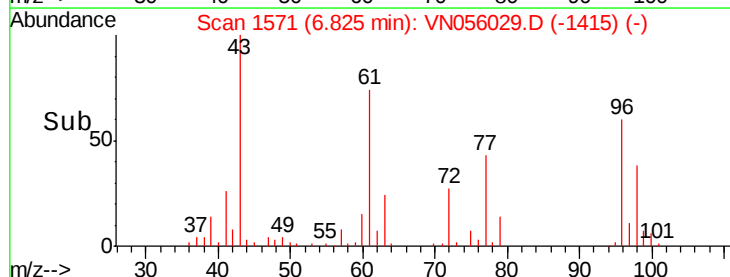
98 62.9 52.0 78.0

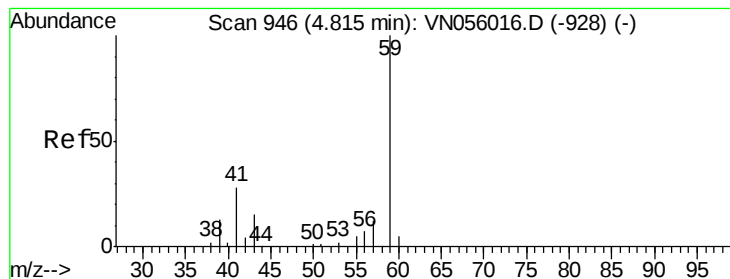


Abundance Ion 96.00 (95.70 to 96.70): VN056029.D (-1415) (-)

Ion 61.00 (60.70 to 61.70): VN056029.D (-1415) (-)

Ion 98.00 (97.70 to 98.70): VN056029.D (-1415) (-)





#23

tert-Butyl Alcohol

Concen: 94.864 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

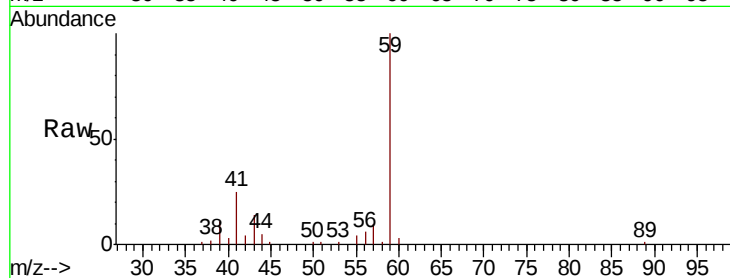
VSTDCCC020EC

Tot Ion: 59 Resp: 55097

Ion Ratio Lower Upper

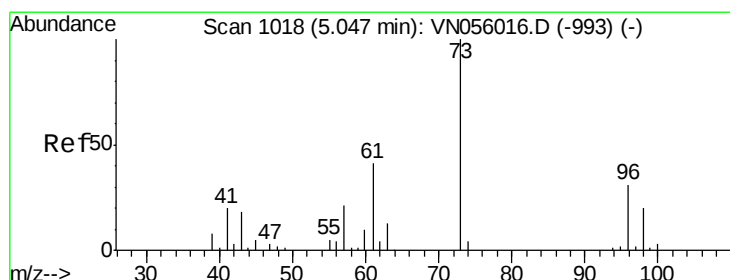
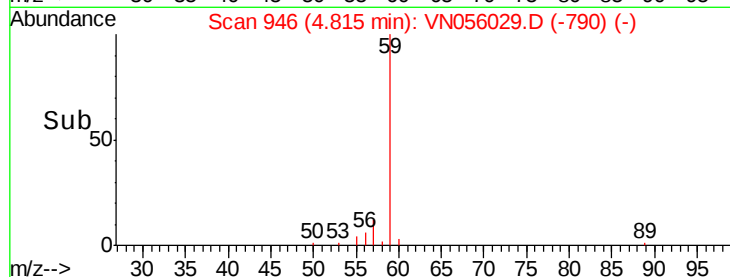
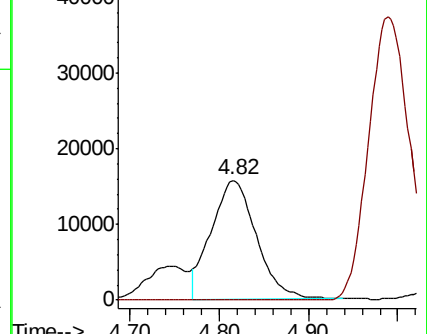
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.380 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056029.D

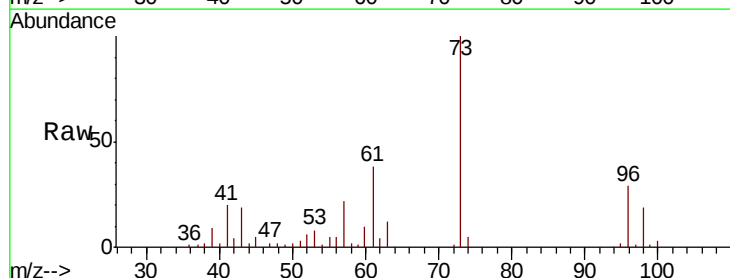
Acq: 6 Jun 2019 1:33

Tgt Ion: 73 Resp: 180845

Ion Ratio Lower Upper

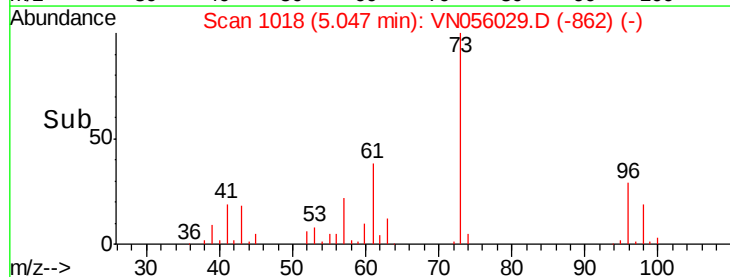
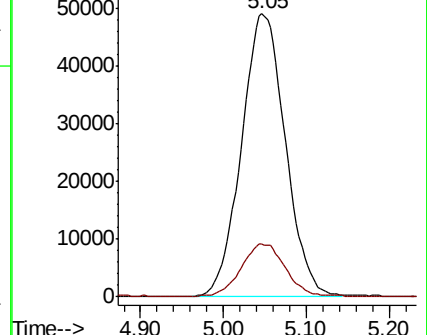
73 100

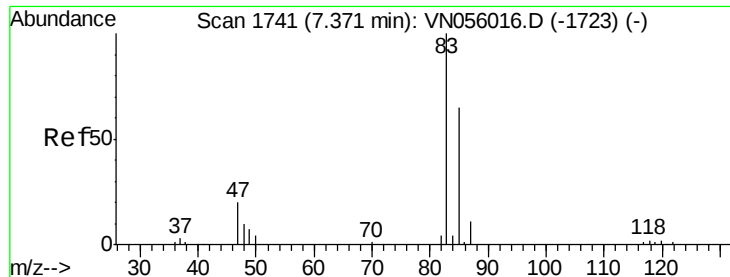
43 19.0 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

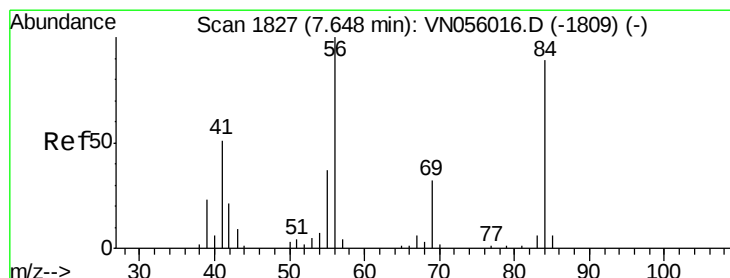
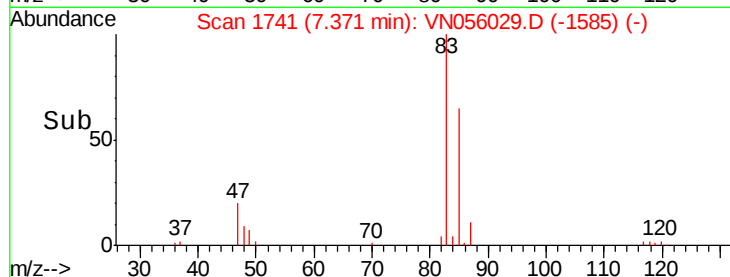
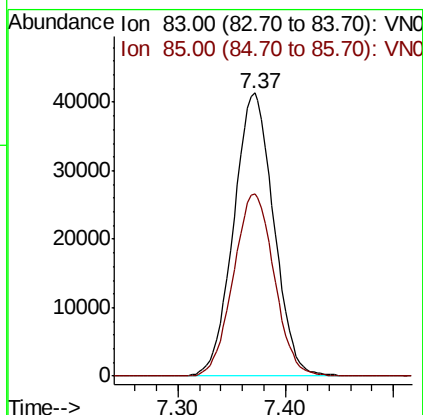
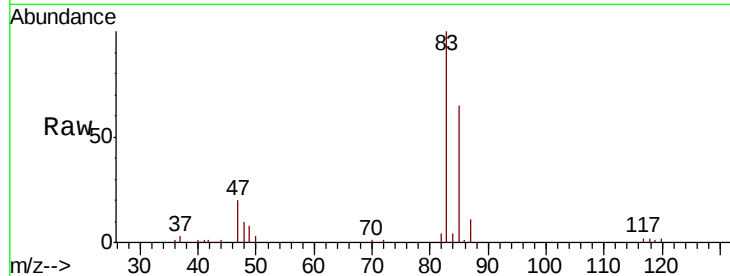




#25
Chloroform
Concen: 20.577 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

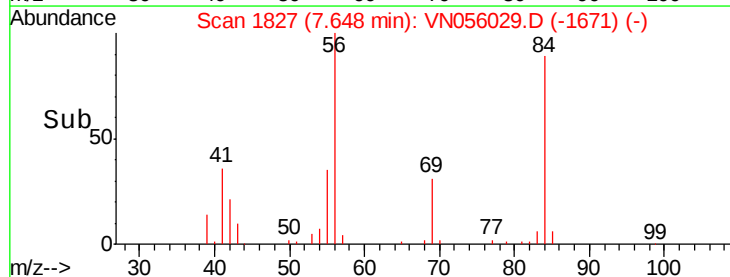
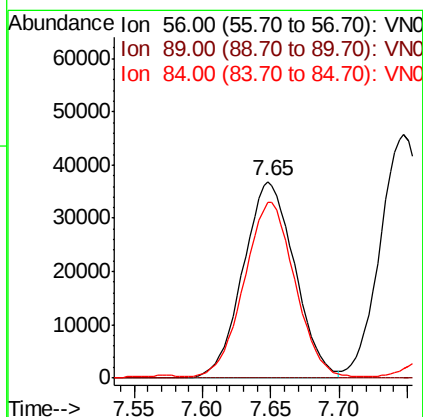
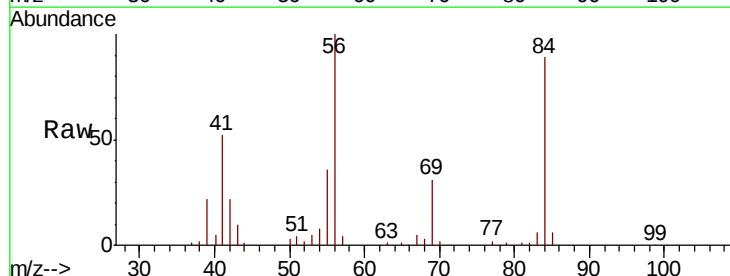
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

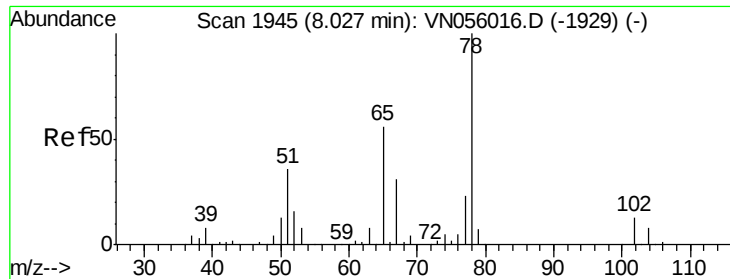
Tot Ion: 83 Resp: 106732
Ion Ratio Lower Upper
83 100
85 64.5 52.0 78.0



#26
Cyclohexane
Concen: 20.059 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 56 Resp: 96672
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.2 70.1 105.1

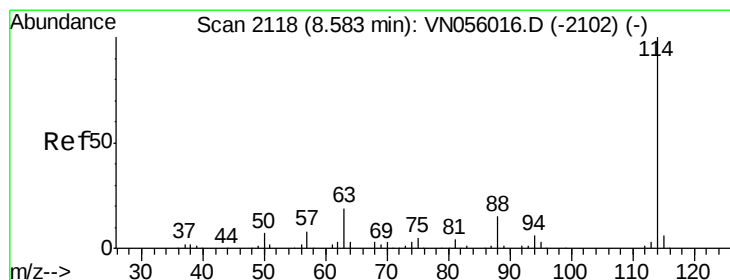
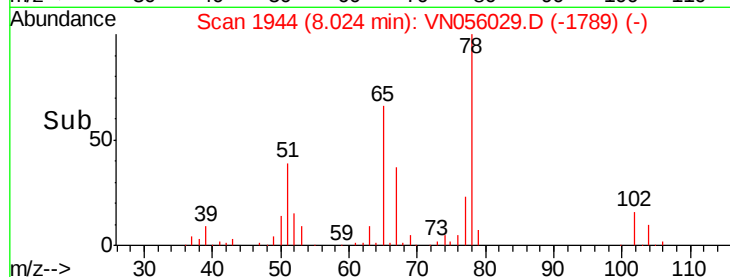
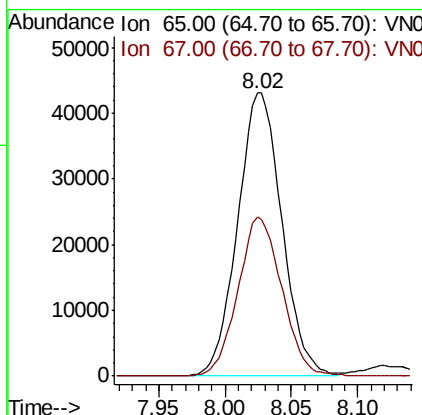
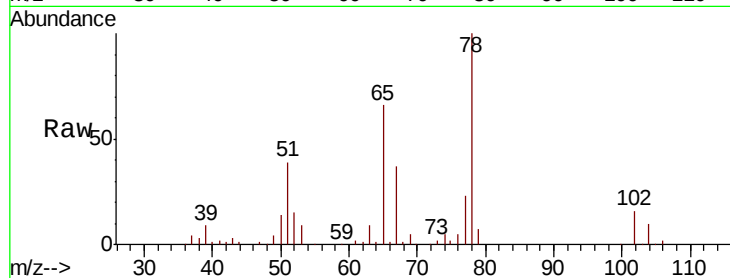




#27
 1,2-Dichloroethane-d4
 Concen: 30.141 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

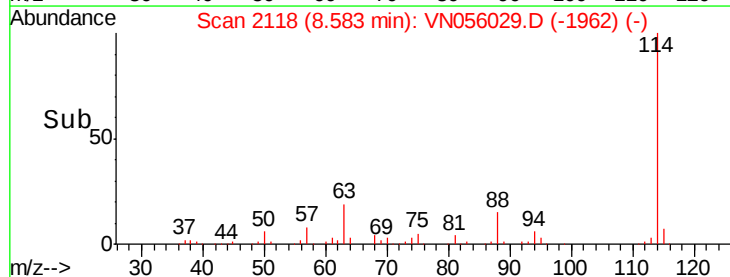
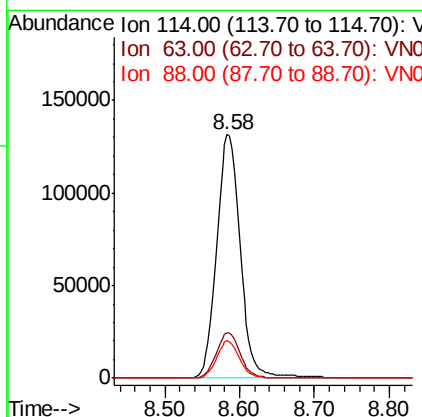
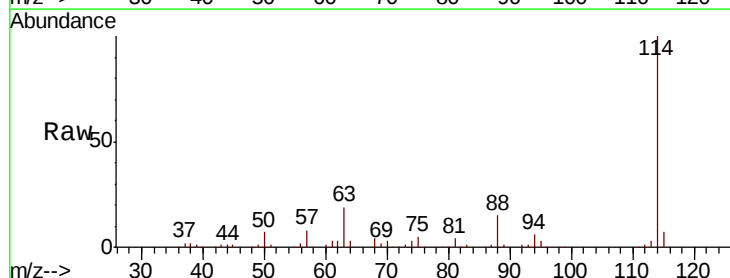
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

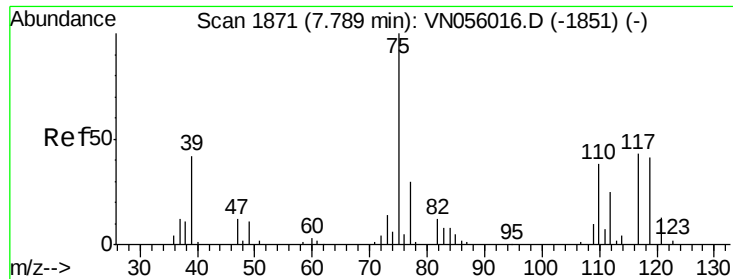
Tot Ion: 65 Resp: 99842
 Ion Ratio Lower Upper
 65 100
 67 55.6 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 114 Resp: 287976
 Ion Ratio Lower Upper
 114 100
 63 18.8 14.7 22.1
 88 14.7 11.9 17.9

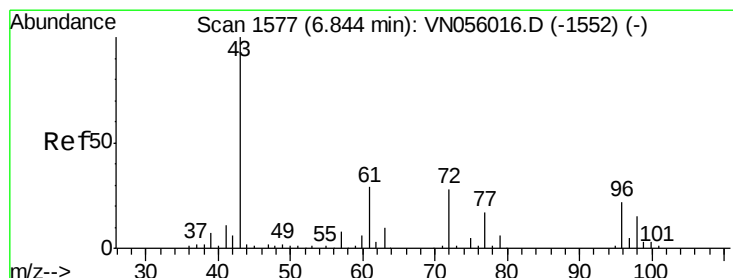
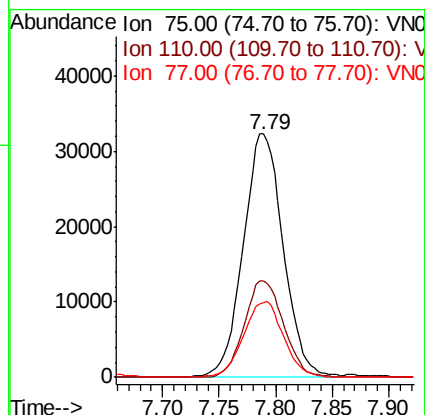
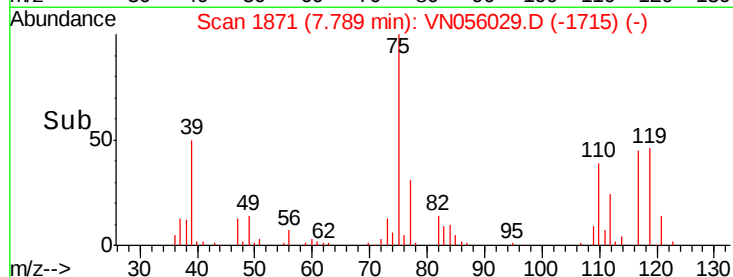
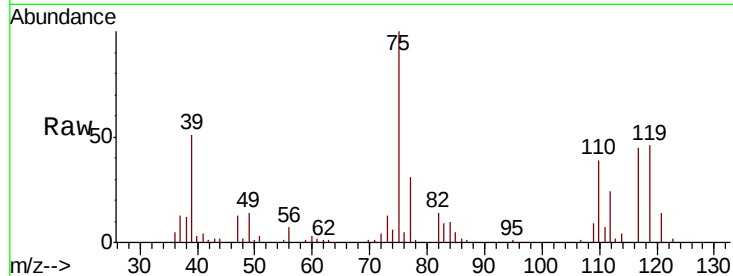




#29
 1,1-Dichloropropene
 Concen: 20.451 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

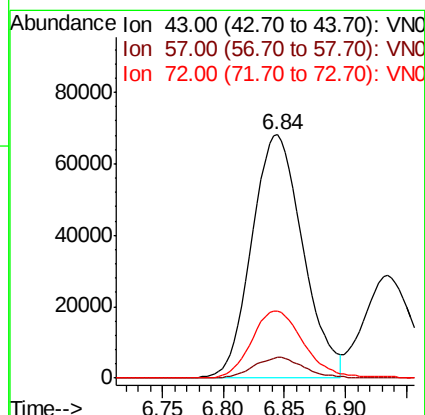
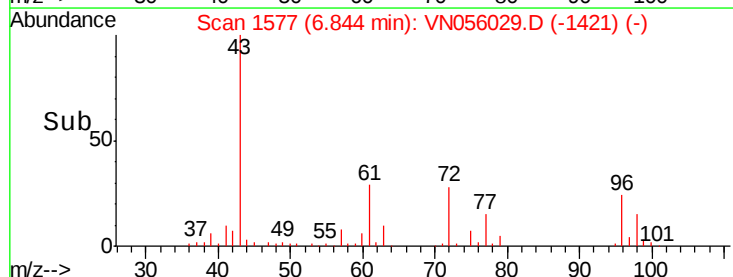
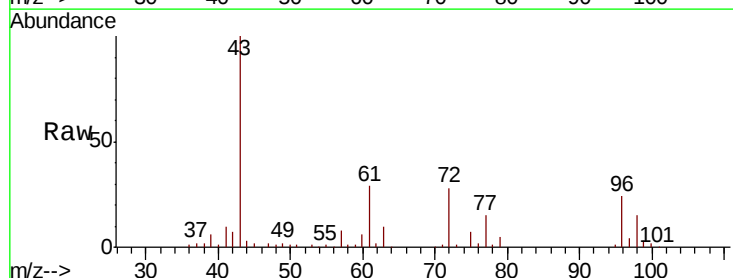
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

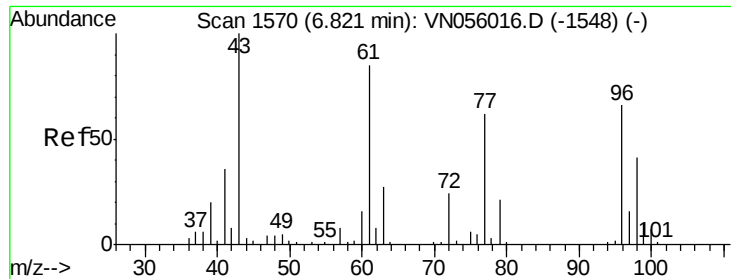
Tot Ion: 75 Resp: 79664
 Ion Ratio Lower Upper
 75 100
 110 38.8 0.0 77.0
 77 31.1 0.0 62.4



#30
 2-Butanone
 Concen: 95.834 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 43 Resp: 196528
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.7 10.1
 72 28.4 22.4 33.6





#31

2,2-Dichloropropane

Concen: 15.886 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

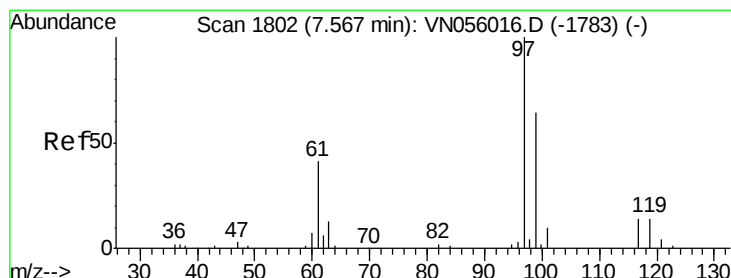
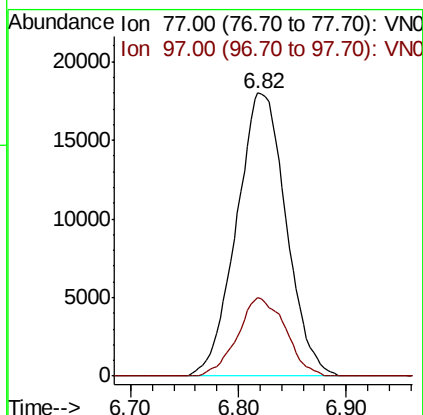
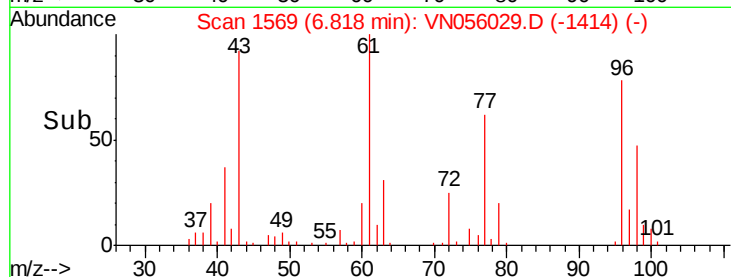
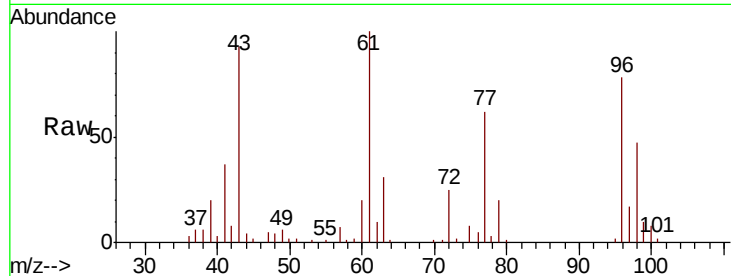
VSTDCCC020EC

Tot Ion: 77 Resp: 57569

Ion Ratio Lower Upper

77 100

97 26.7 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 20.122 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

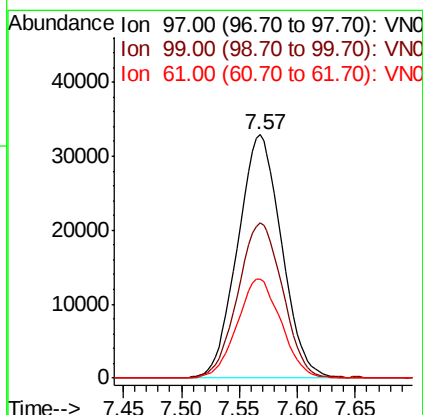
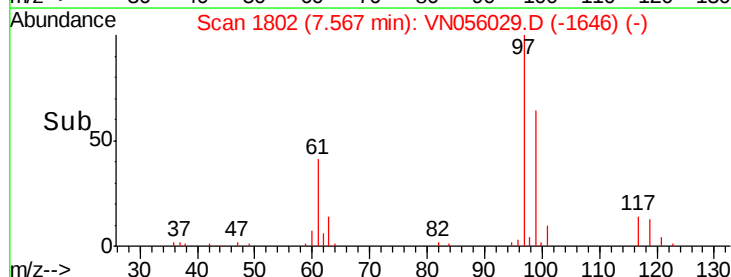
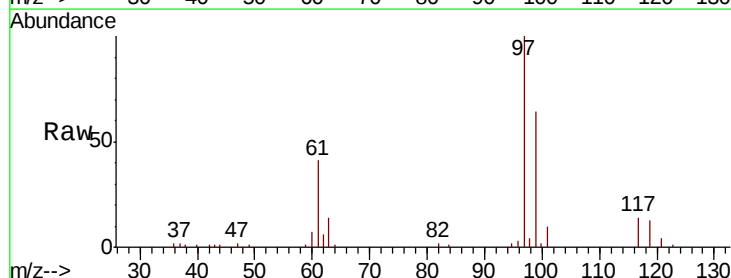
Tgt Ion: 97 Resp: 86599

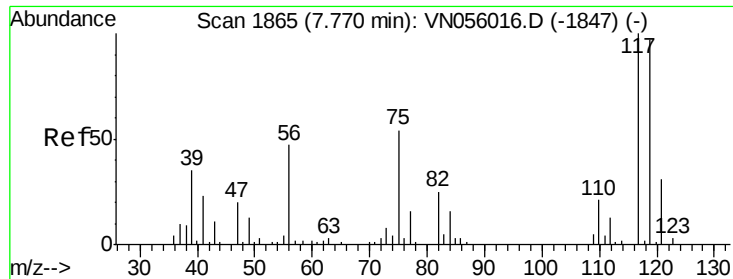
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 40.7 32.9 49.3

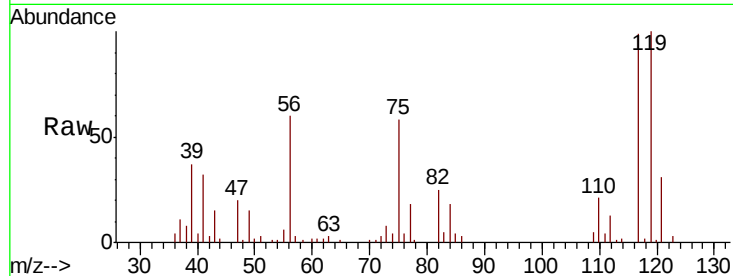




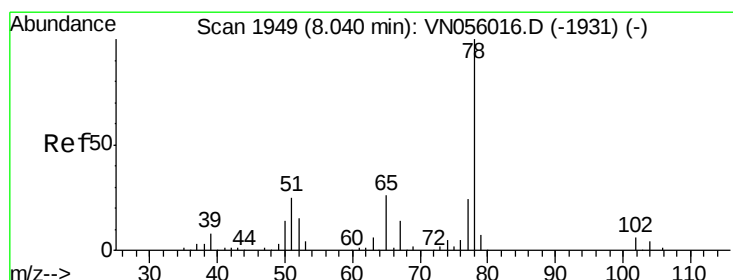
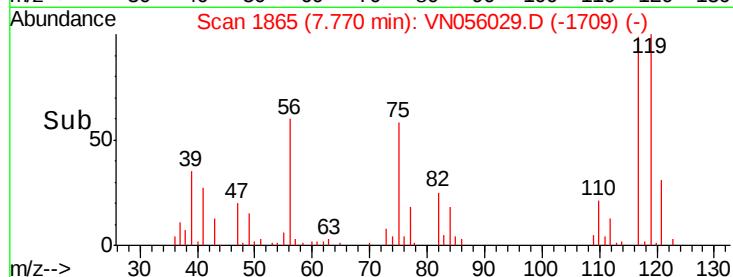
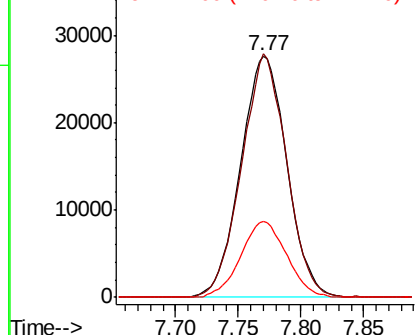
#33
Carbon Tetrachloride
Concen: 19.397 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 70726
Ion Ratio Lower Upper
117 100
119 100.9 77.3 115.9
121 31.5 25.0 37.4

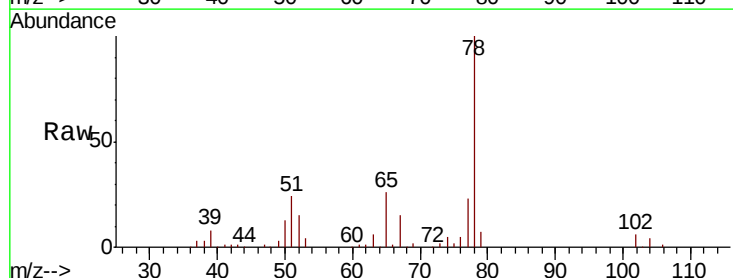


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

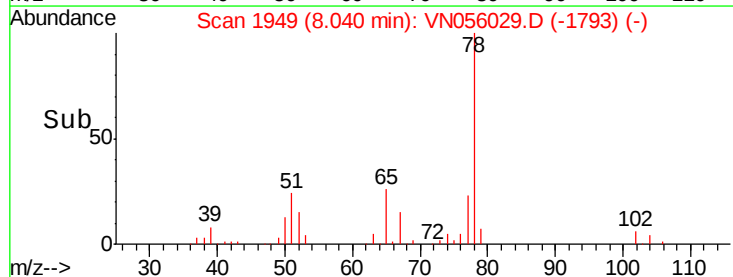
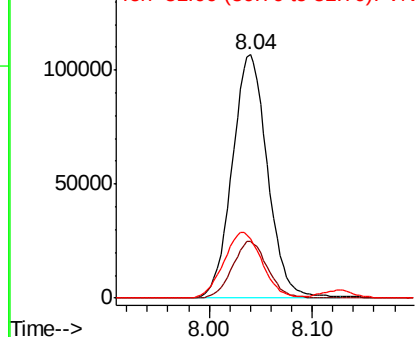


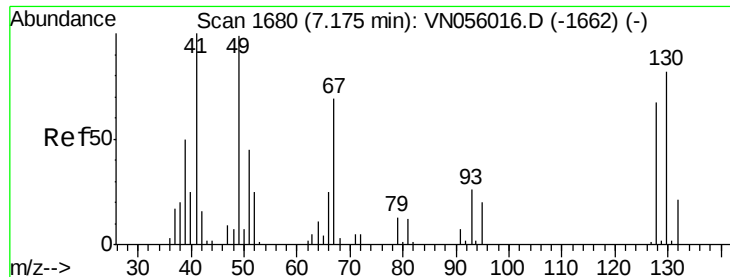
#34
Benzene
Concen: 20.477 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 78 Resp: 254155
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
51 24.1 19.8 29.8



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

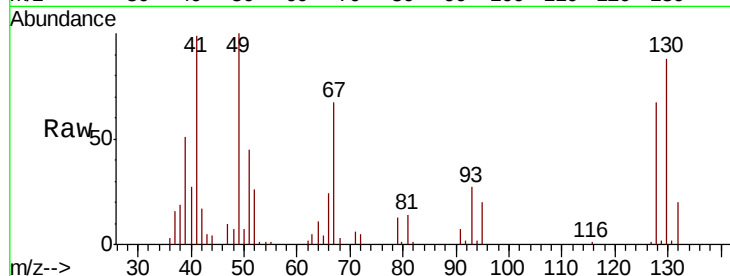




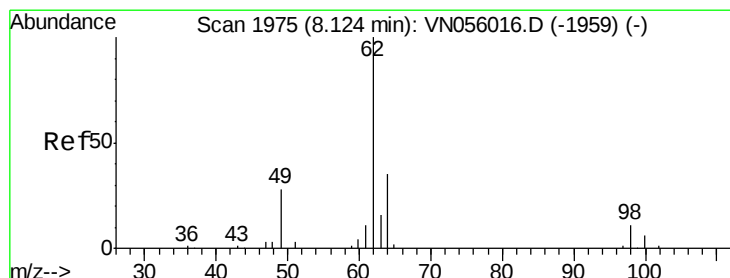
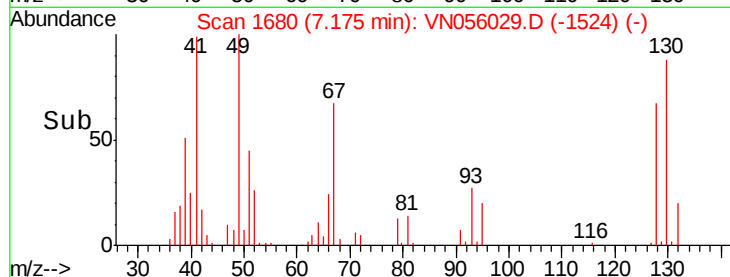
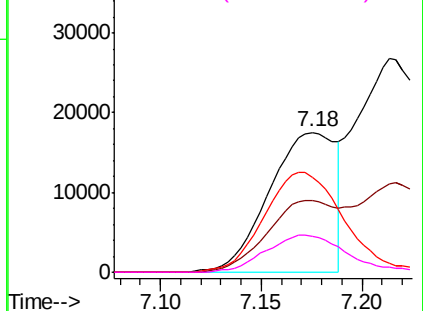
#35
Methacrylonitrile
Concen: 23.228 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 40224
Ion Ratio Lower Upper
41 100
39 51.7 24.8 74.3
67 67.7 34.3 102.9
52 25.9 12.6 37.8

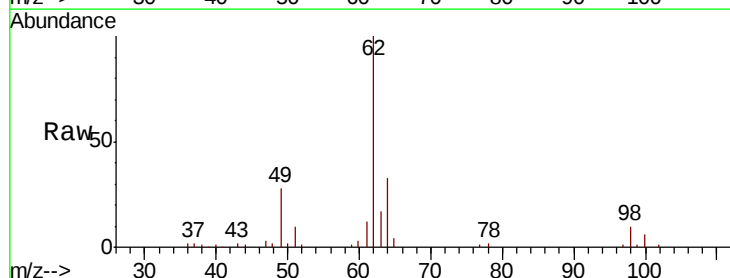


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

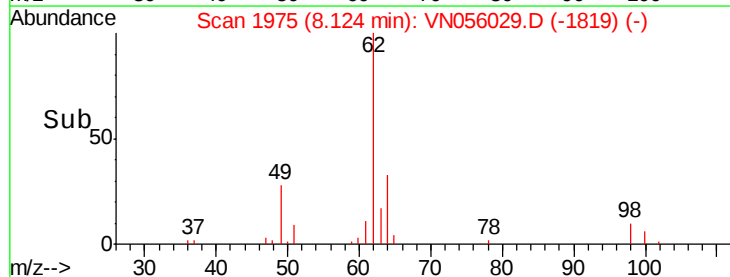
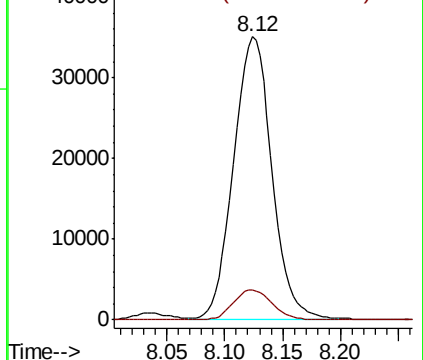


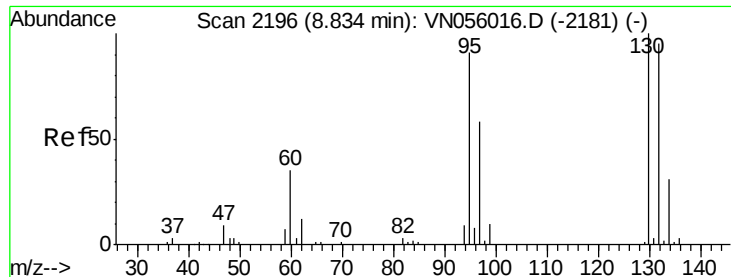
#36
1,2-Dichloroethane
Concen: 20.783 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 62 Resp: 80797
Ion Ratio Lower Upper
62 100
98 10.6 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

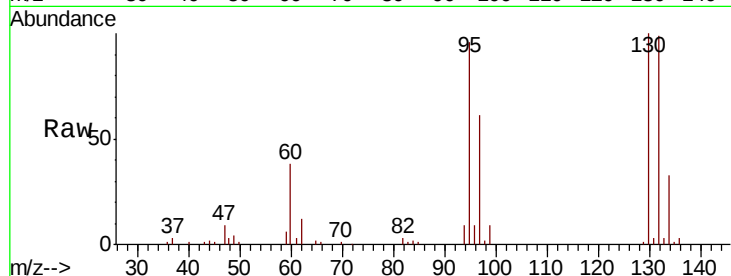




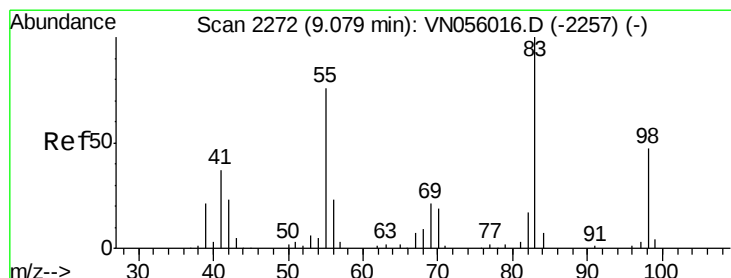
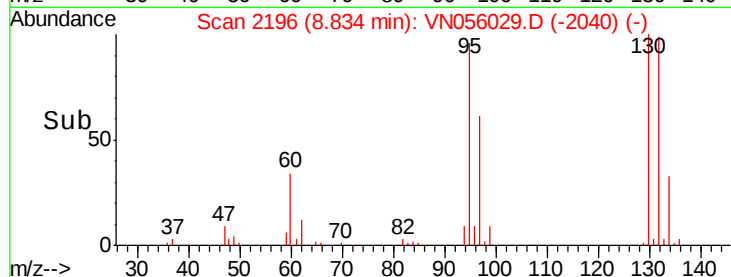
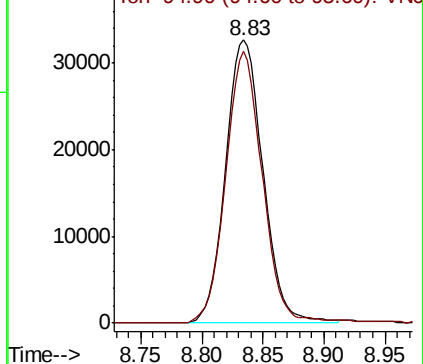
#37
 Trichloroethene
 Concen: 20.157 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 70008
 Ion Ratio Lower Upper
 130 100
 95 96.0 73.0 109.6

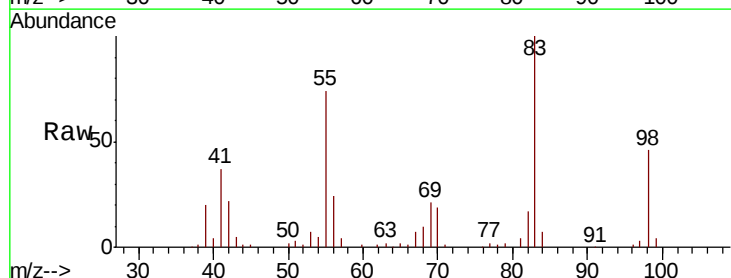


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

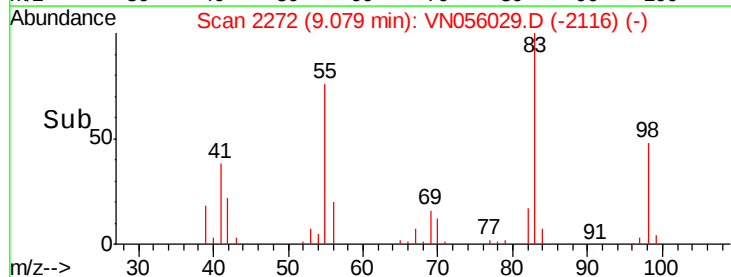
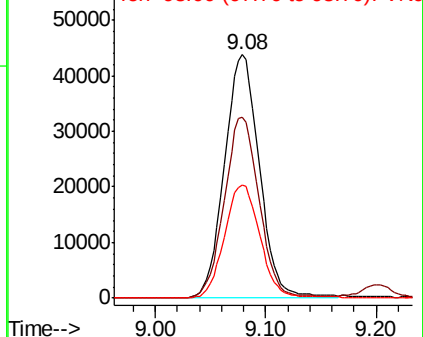


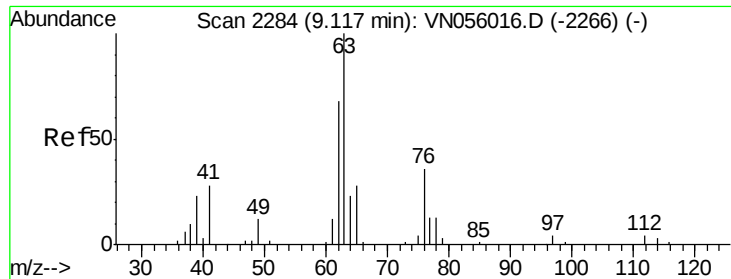
#38
 Methylcyclohexane
 Concen: 19.521 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 83 Resp: 96400
 Ion Ratio Lower Upper
 83 100
 55 73.5 37.5 112.7
 98 47.0 23.1 69.3



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

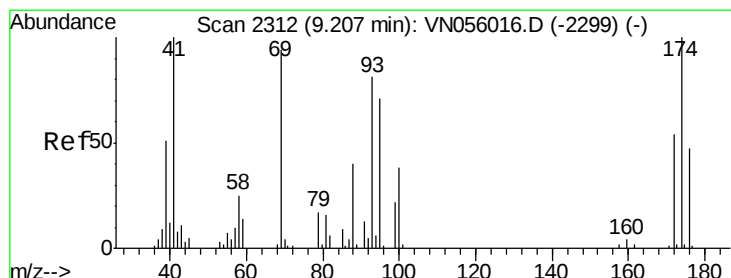
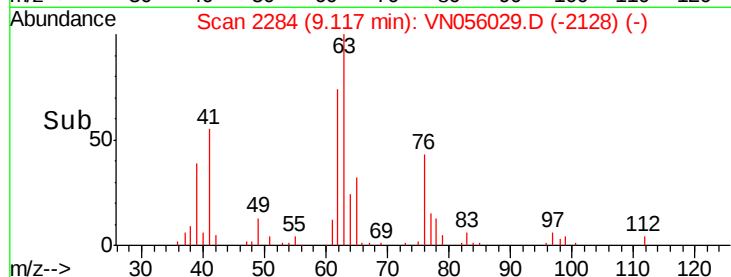
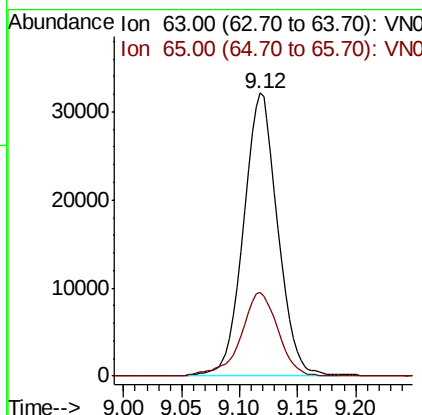
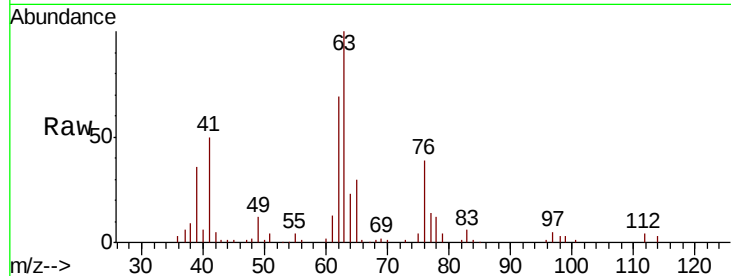




#39
 1,2-Dichloropropane
 Concen: 20.780 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

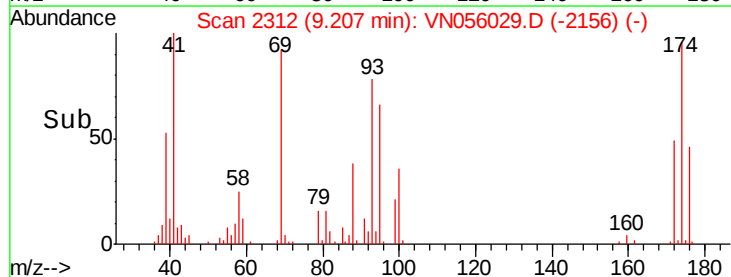
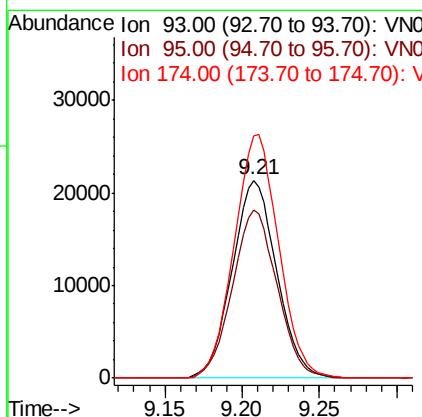
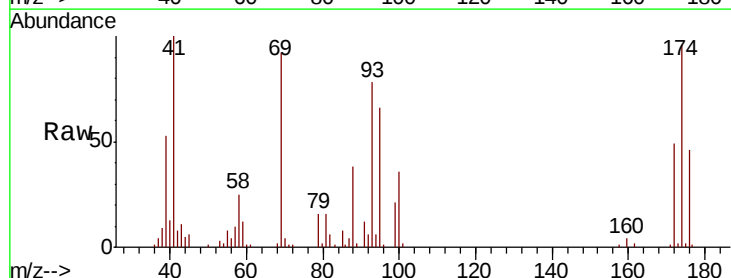
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

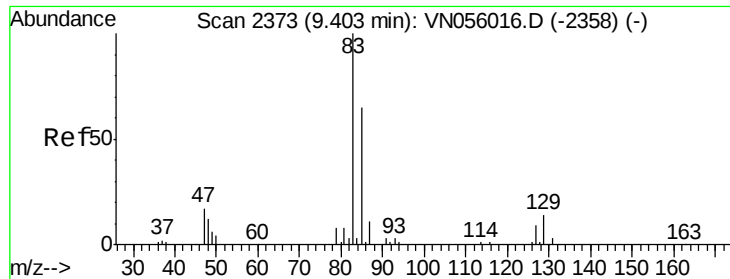
Tot Ion: 63 Resp: 66056
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.1 34.7



#40
 Dibromomethane
 Concen: 20.303 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 93 Resp: 42791
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 169.0
 174 123.0 0.0 246.4





#41

Bromodichloromethane

Concen: 19.654 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

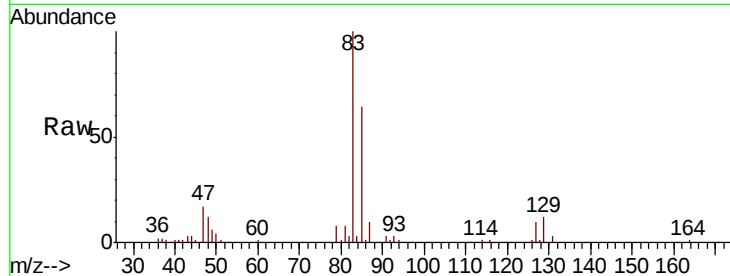
Tot Ion: 83 Resp: 74176

Ion Ratio Lower Upper

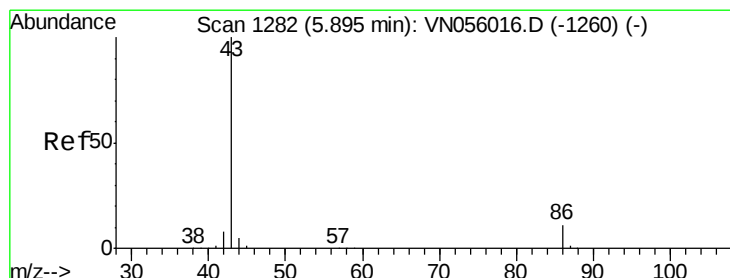
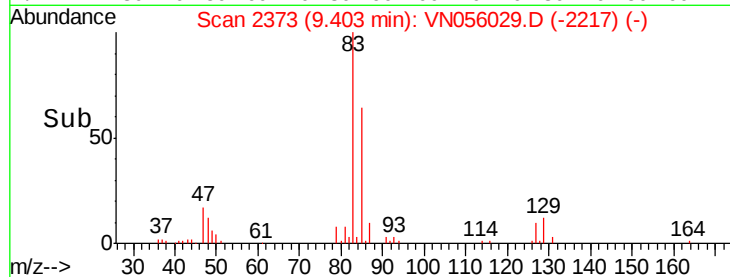
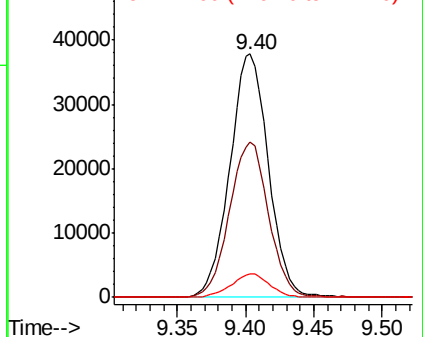
83 100

85 64.0 51.8 77.6

127 9.7 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 100.531 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056029.D

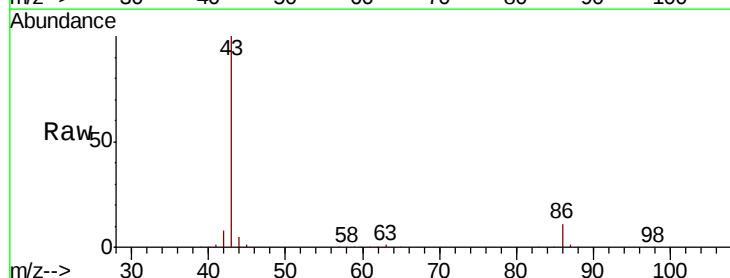
Acq: 6 Jun 2019 1:33

Tgt Ion: 43 Resp: 734990

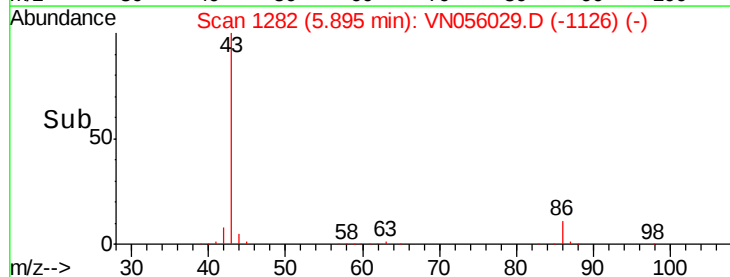
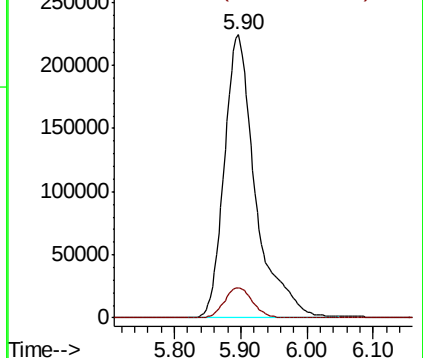
Ion Ratio Lower Upper

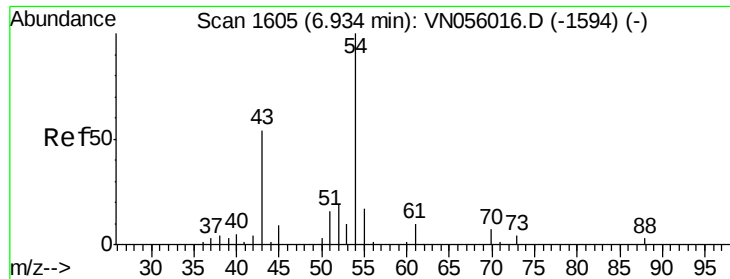
43 100

86 9.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

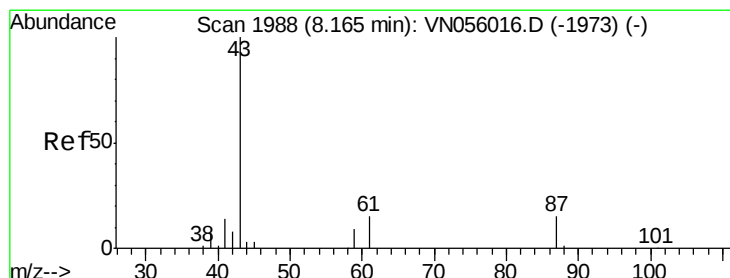
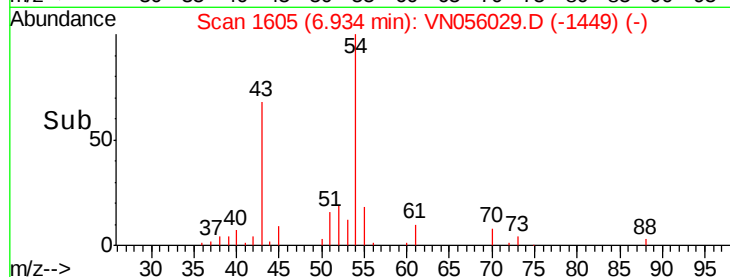
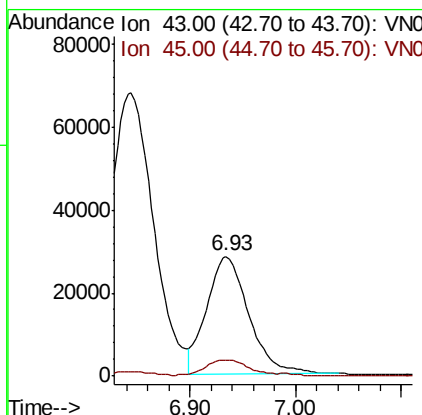
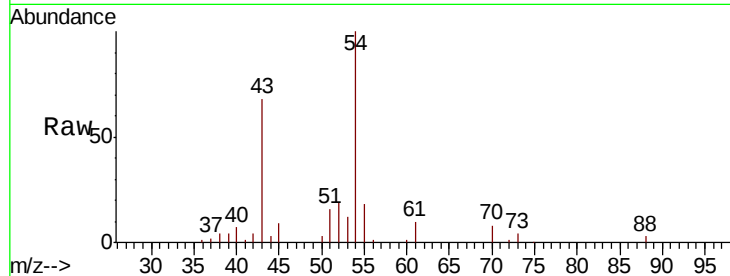




#43
Ethyl Acetate
Concen: 20.149 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

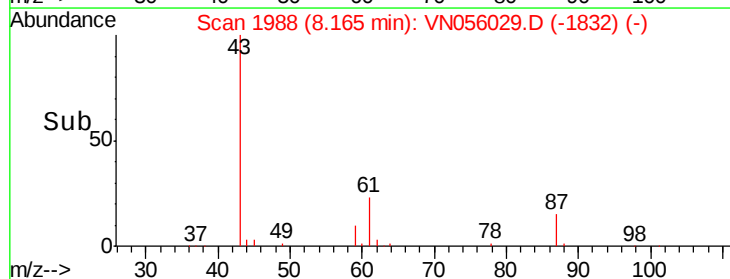
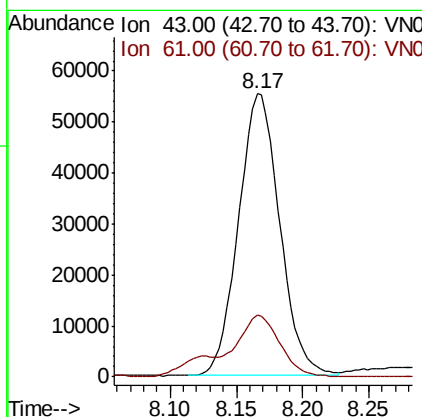
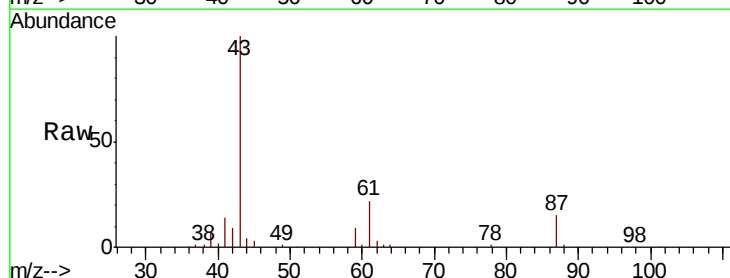
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

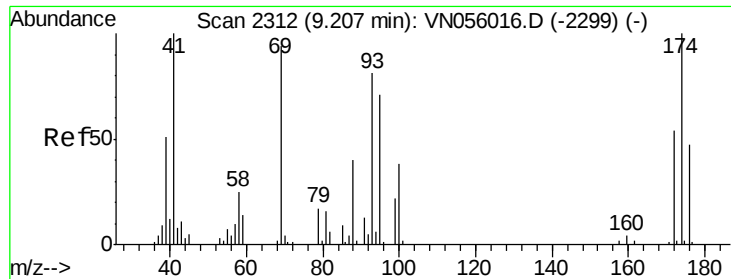
Tot Ion: 43 Resp: 79080
Ion Ratio Lower Upper
43 100
45 12.1 12.3 18.5#



#44
Isopropyl Acetate
Concen: 19.689 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 43 Resp: 119981
Ion Ratio Lower Upper
43 100
61 21.1 16.9 25.3

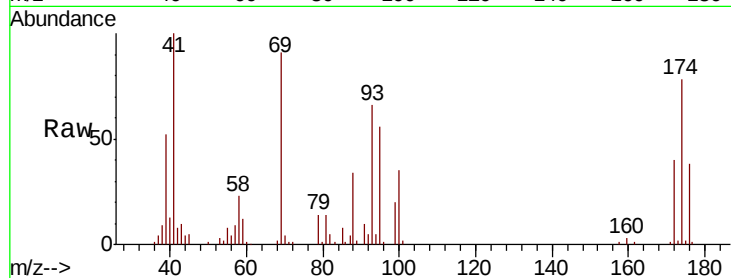




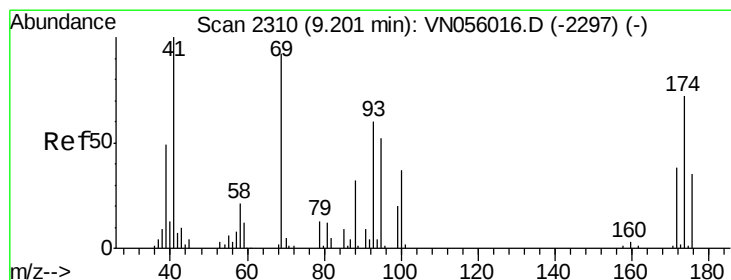
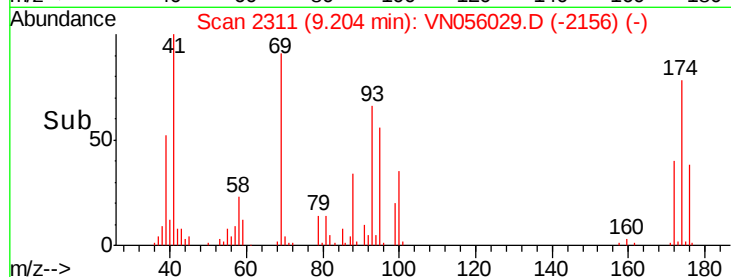
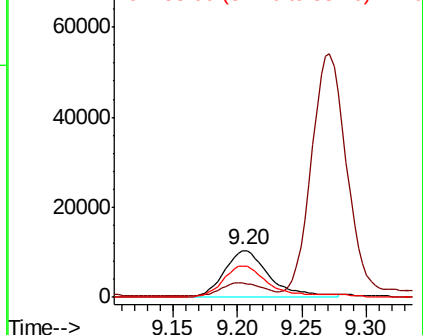
#45
 1,4-Dioxane
 Concen: 390.382 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 25448
 Ion Ratio Lower Upper
 88 100
 43 26.3 19.8 29.6
 58 66.5 48.5 72.7

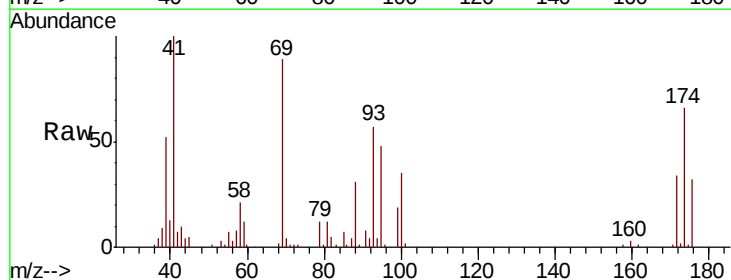


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

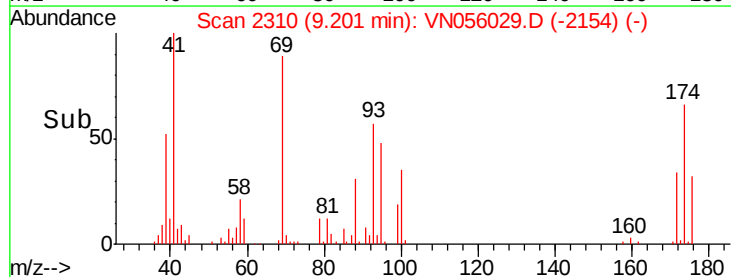
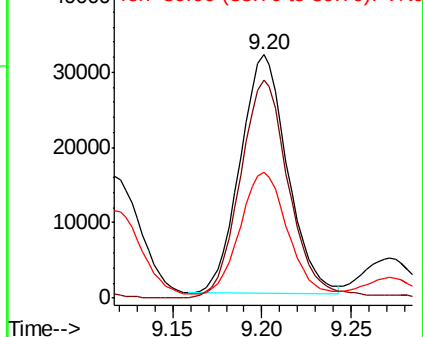


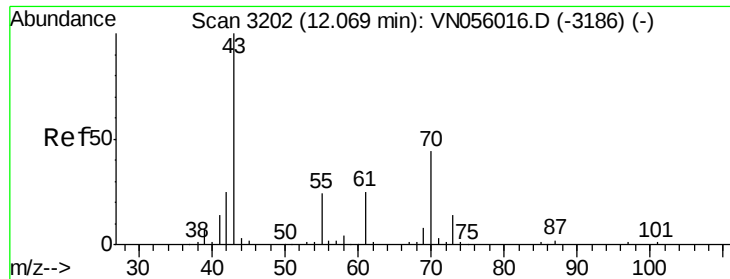
#46
 Methyl methacrylate
 Concen: 19.314 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 41 Resp: 58470
 Ion Ratio Lower Upper
 41 100
 69 91.4 46.0 137.8
 39 51.0 24.6 73.8



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

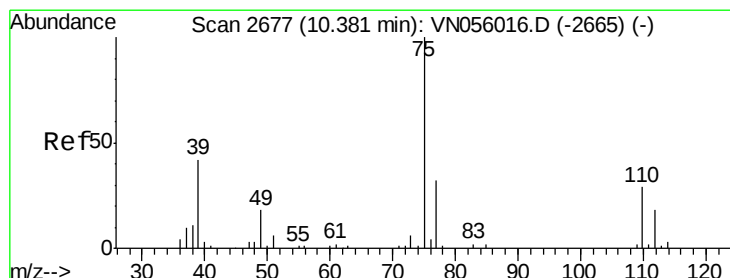
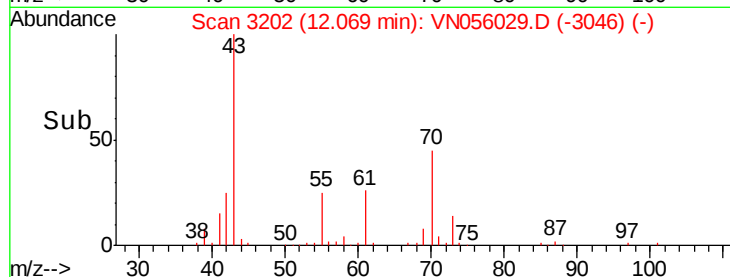
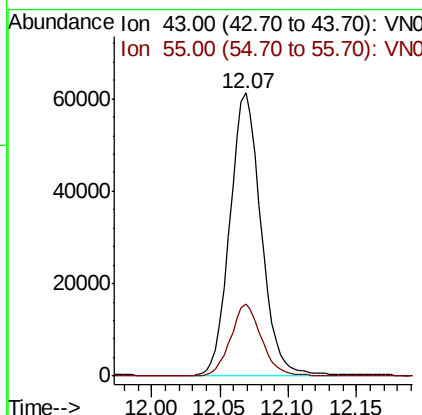
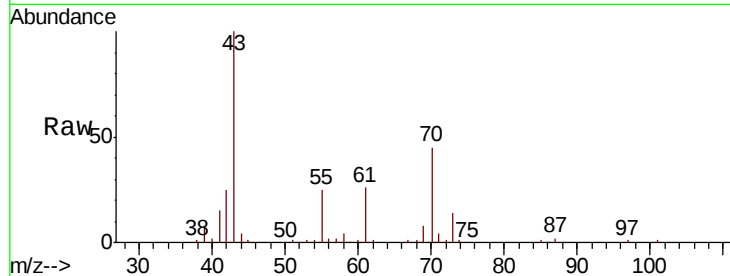




#47
n-amvl Acetate
Concen: 19.416 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

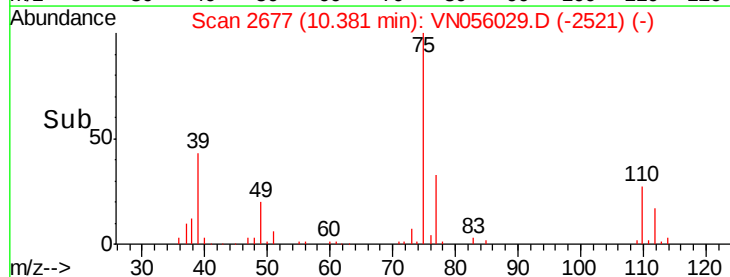
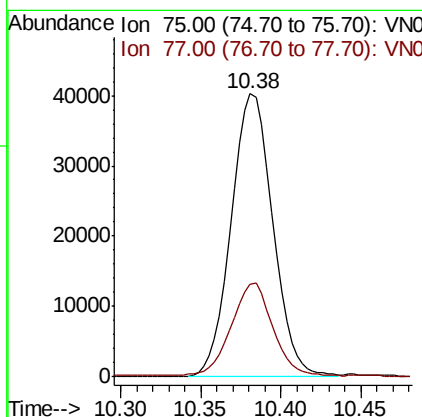
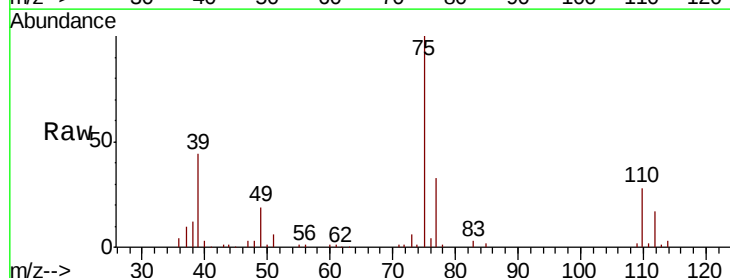
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

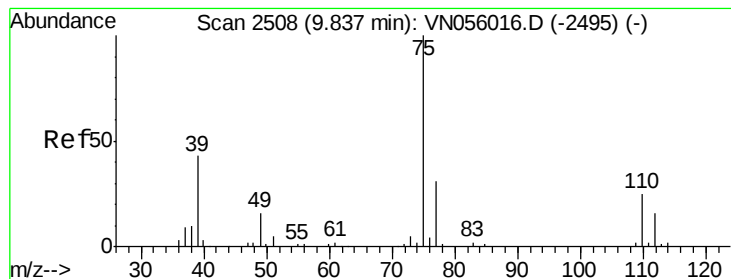
Tot Ion: 43 Resp: 97849
Ion Ratio Lower Upper
43 100
55 25.3 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 18.034 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 75 Resp: 71625
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0



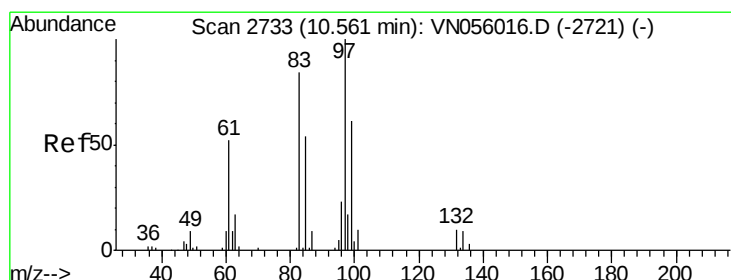
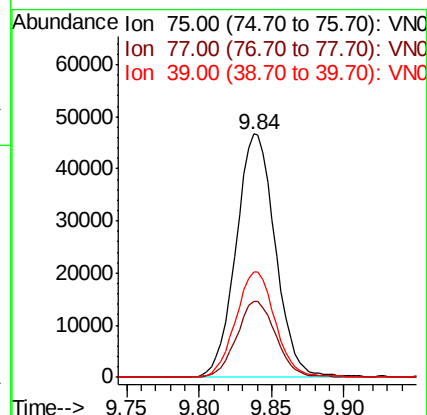
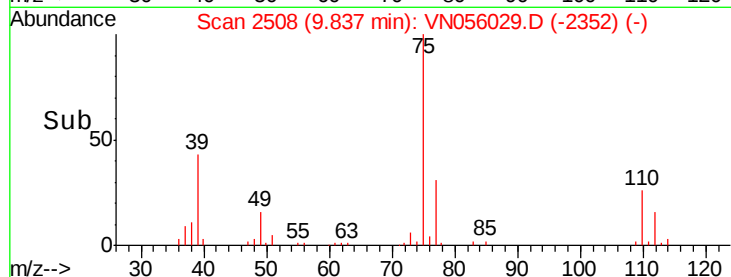
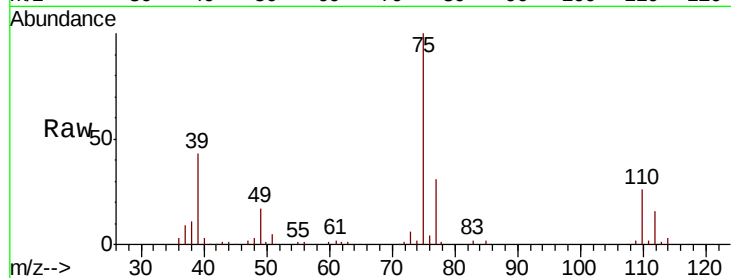


#49

cis-1,3-Dichloropropene
Concen: 18.851 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

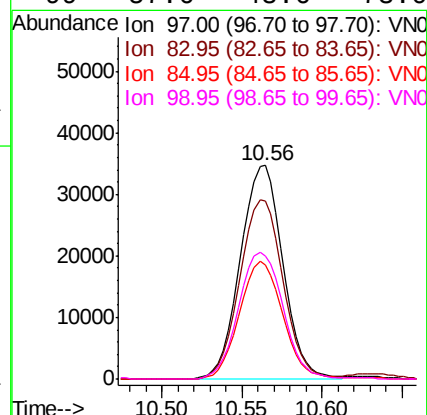
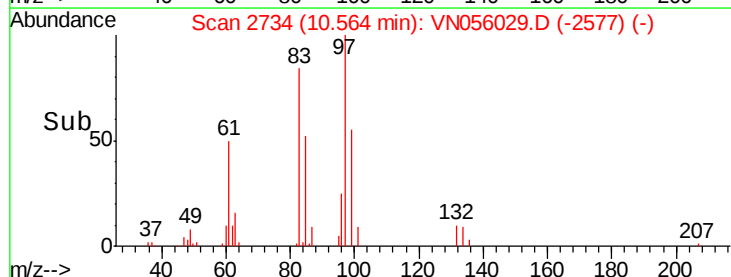
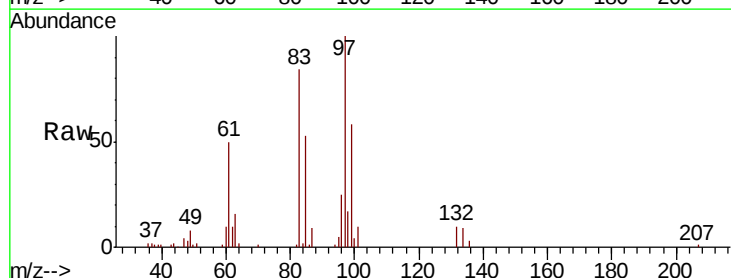
Tot Ion: 75 Resp: 87671
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 43.4 34.3 51.5

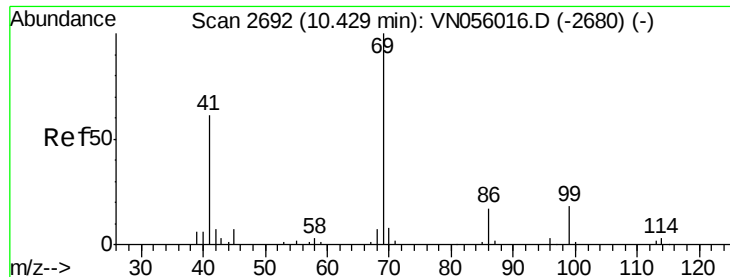


#50

1,1,2-Trichloroethane
Concen: 20.086 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 97 Resp: 62878
Ion Ratio Lower Upper
97 100
83 83.6 66.9 100.3
85 53.4 43.3 64.9
99 57.6 48.6 73.0

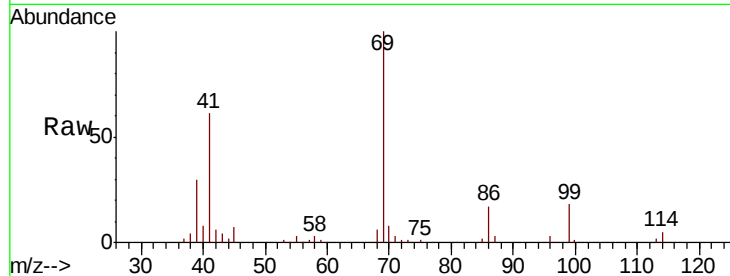




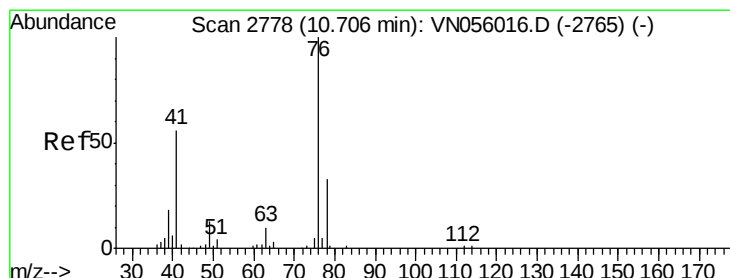
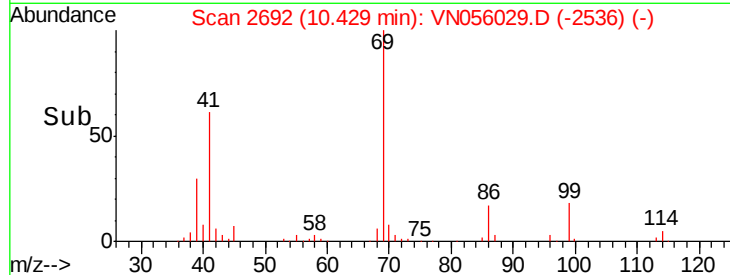
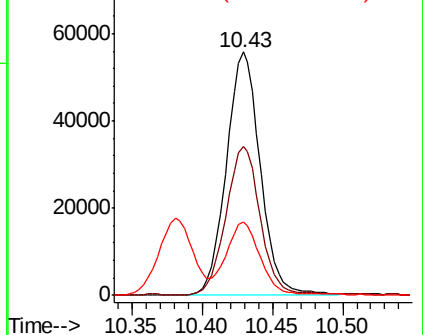
#51
Ethyl methacrylate
Concen: 19.860 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion: 69 Resp: 94057
Ion Ratio Lower Upper
69 100
41 60.9 30.8 92.3
39 29.6 14.5 43.6

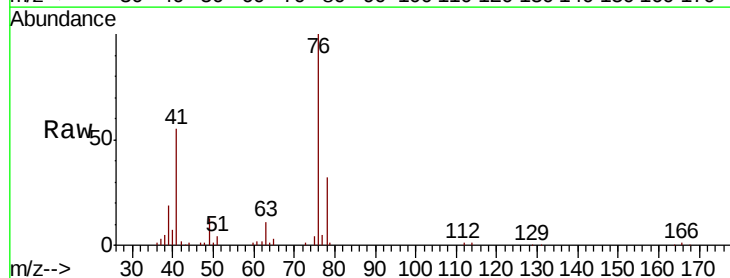


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

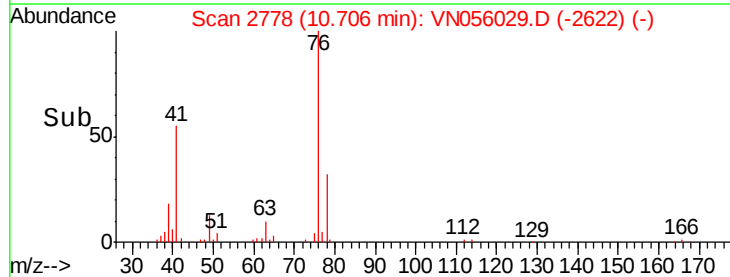
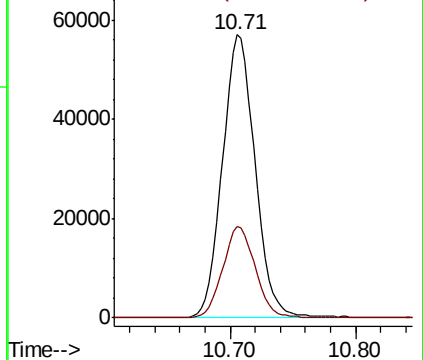


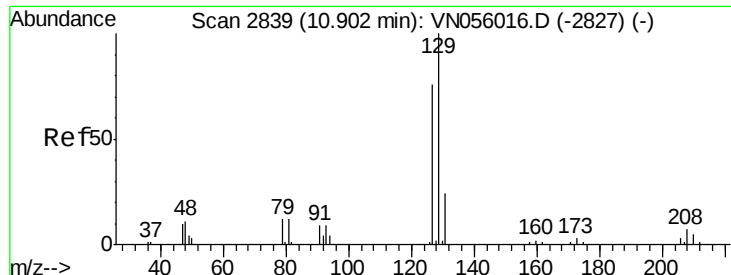
#52
1,3-Dichloropropane
Concen: 20.370 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 76 Resp: 103380
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.141 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

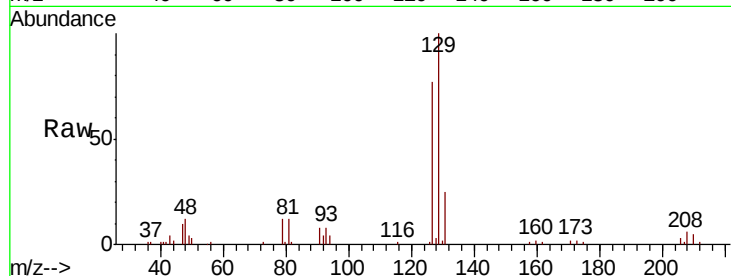
VSTDCCC020EC

Tot Ion:129 Resp: 58658

Ion Ratio Lower Upper

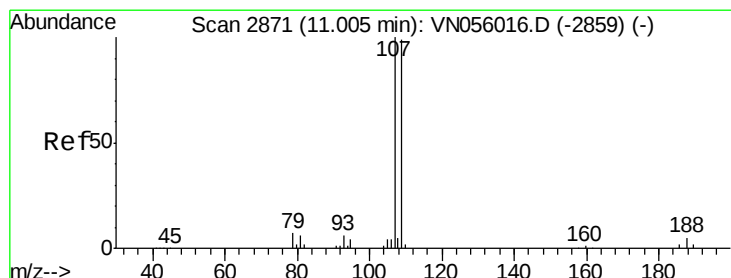
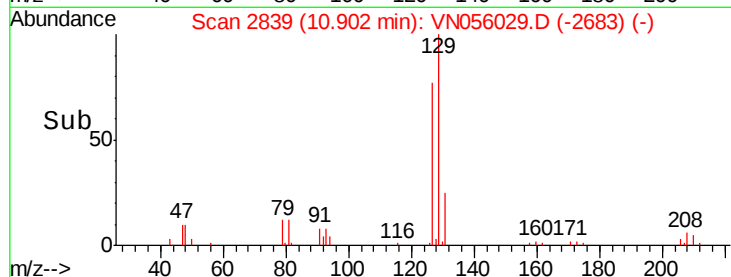
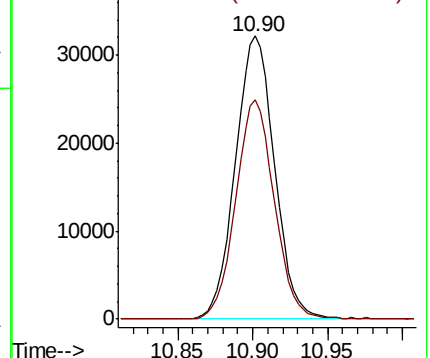
129 100

127 76.1 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.916 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056029.D

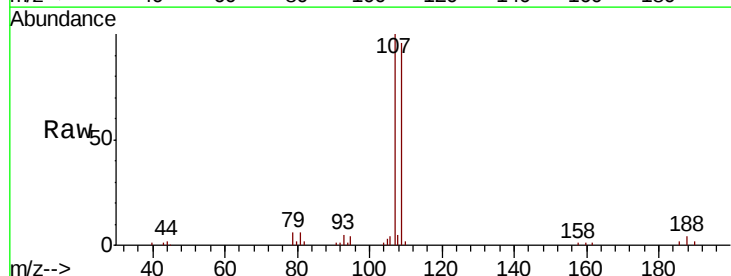
Acq: 6 Jun 2019 1:33

Tgt Ion:107 Resp: 65061

Ion Ratio Lower Upper

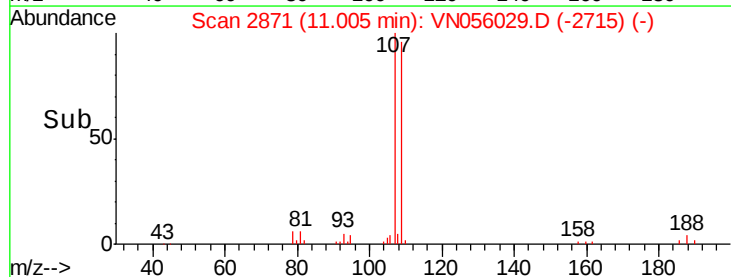
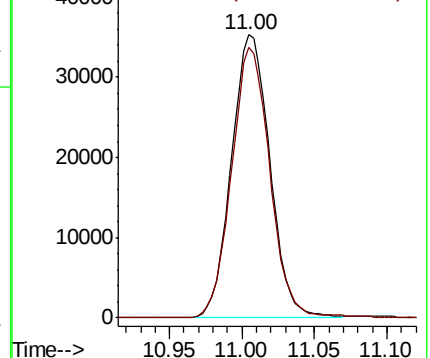
107 100

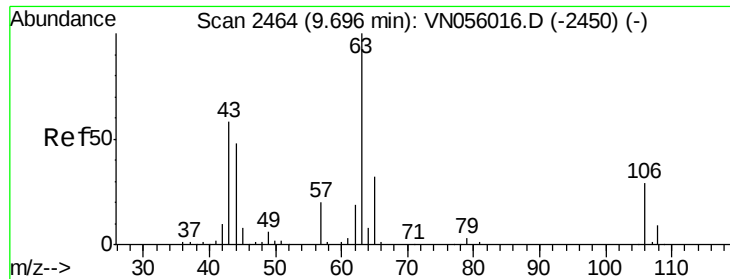
109 95.3 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

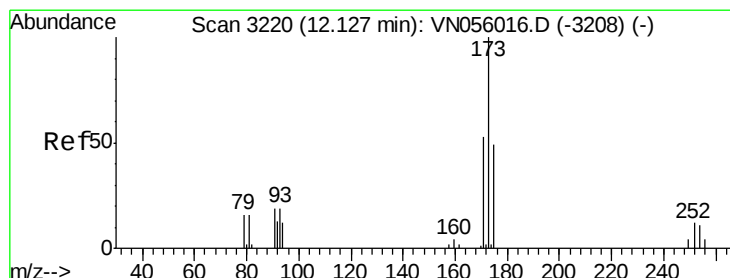
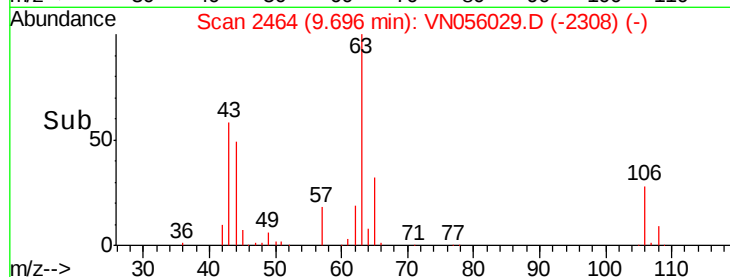
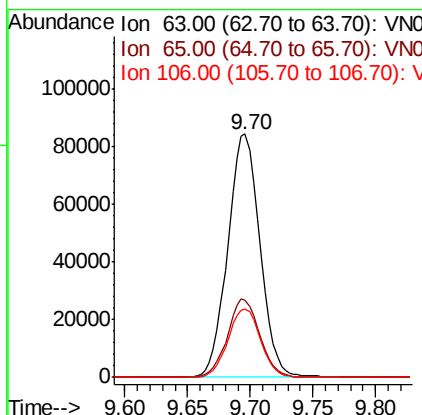
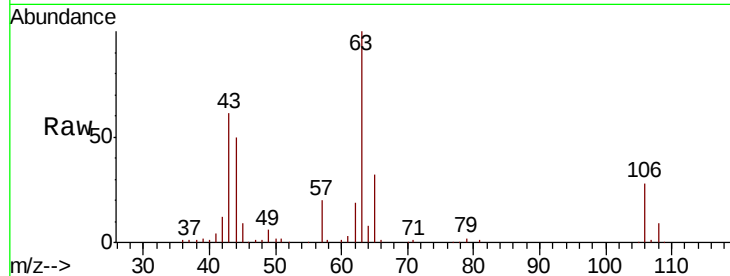




#55
2-Chloroethyl vinyl ether
Concen: 90.709 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

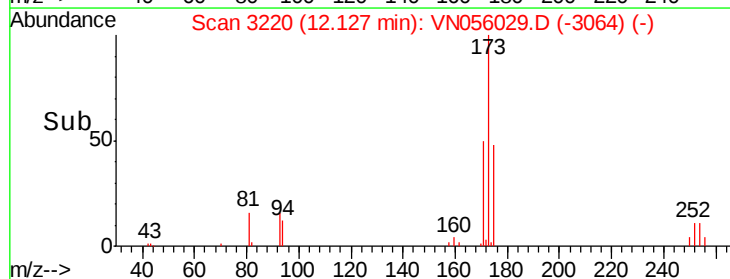
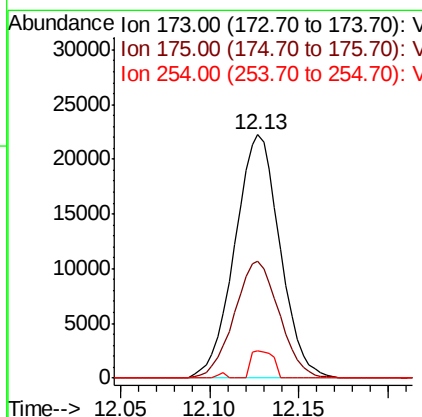
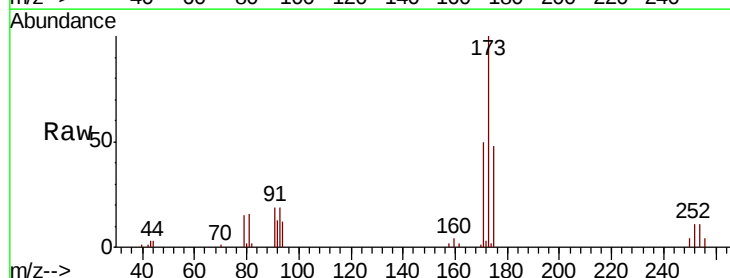
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

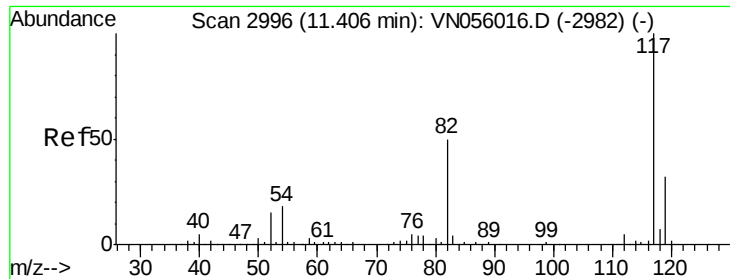
Tot Ion: 63 Resp: 150477
Ion Ratio Lower Upper
63 100
65 32.0 25.5 38.3
106 28.5 23.0 34.4



#56
Bromoform
Concen: 17.785 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 173 Resp: 39427
Ion Ratio Lower Upper
173 100
175 47.7 38.7 58.1
254 5.5 6.6 9.8#

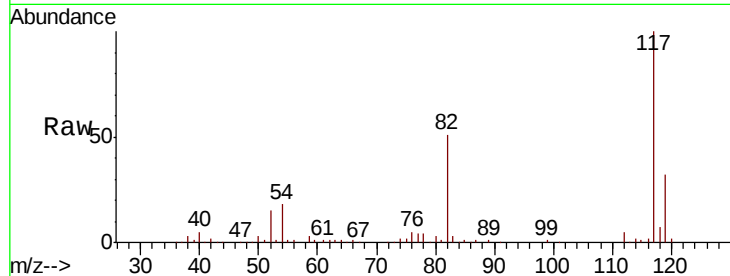




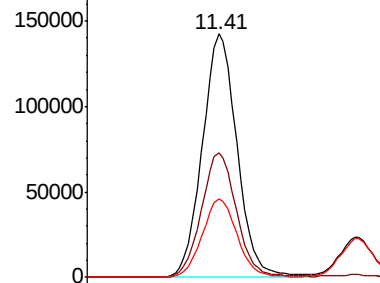
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

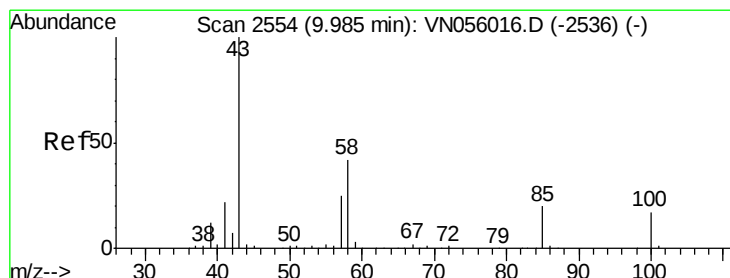
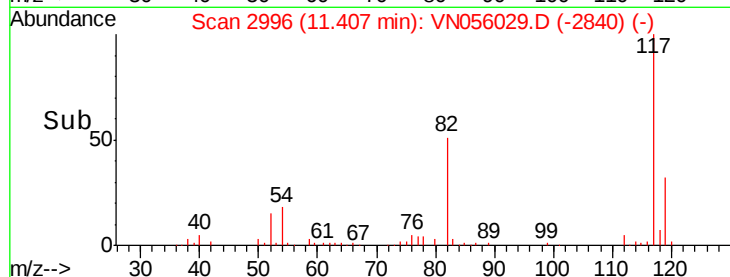
Tot Ion:117 Resp: 252398
Ion Ratio Lower Upper
117 100
82 51.8 41.2 61.8
119 32.4 26.2 39.2



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

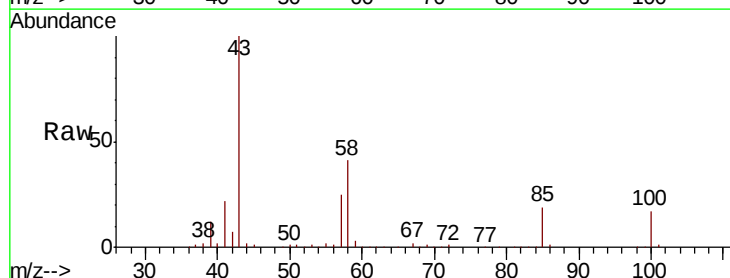


Time-->

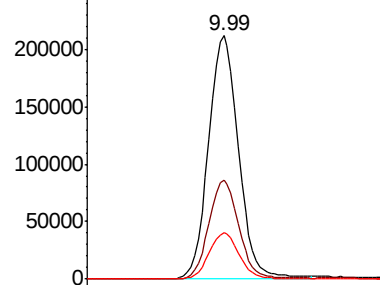


#58
4-Methyl-2-Pentanone
Concen: 102.609 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

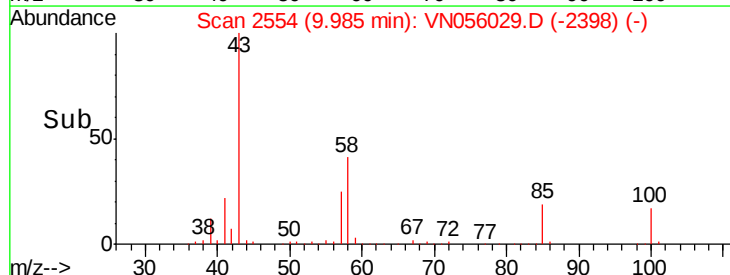
Tgt Ion: 43 Resp: 392166
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7
85 19.3 15.5 23.3

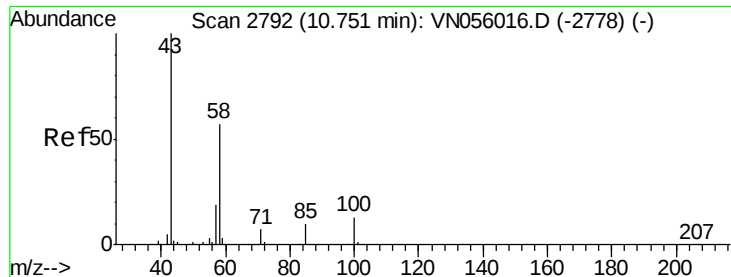


Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN



Time-->

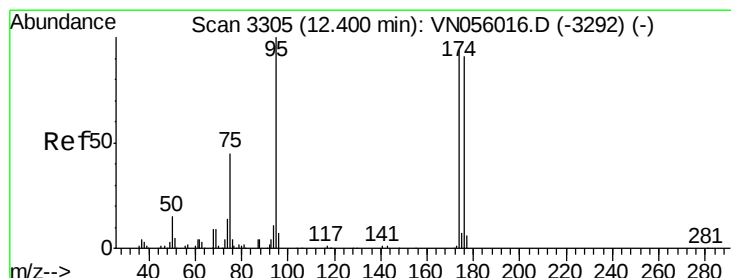
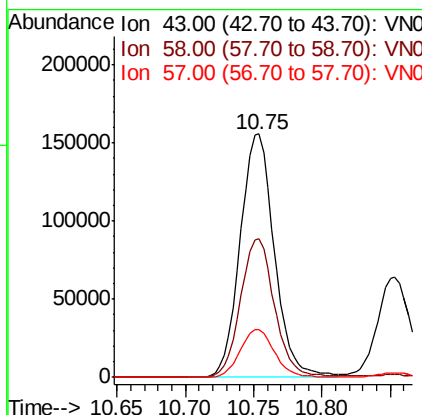
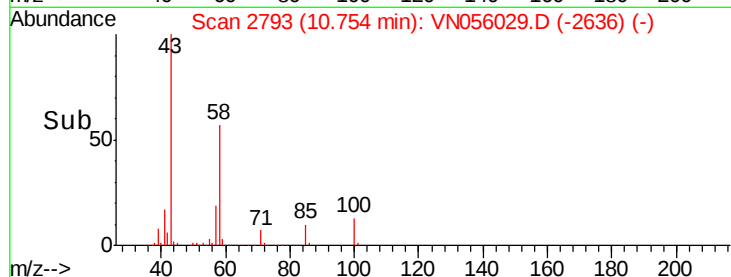
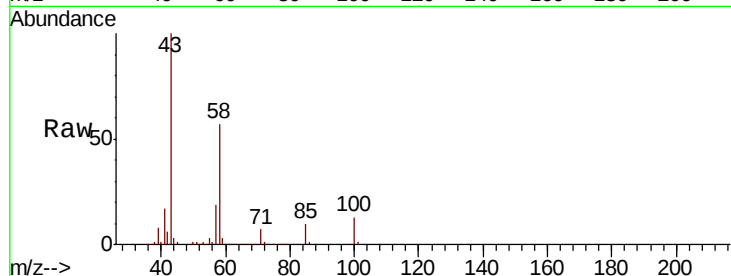




#59
2-Hexanone
Concen: 99.419 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

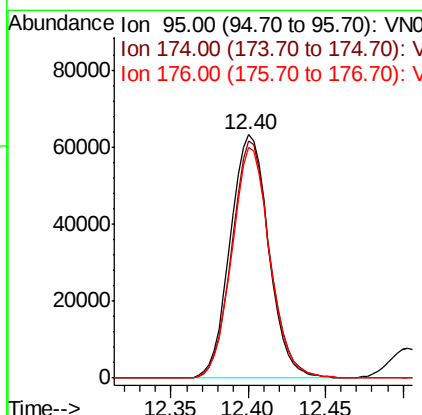
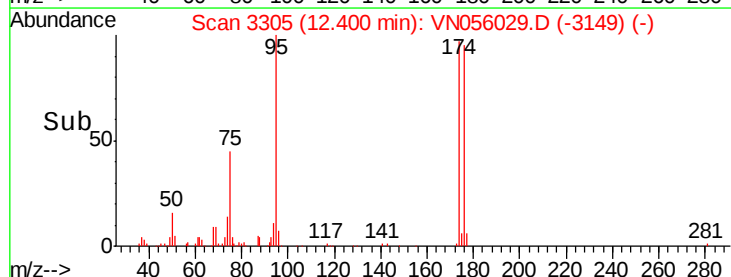
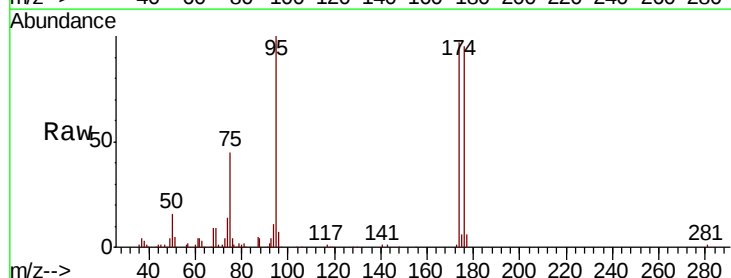
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

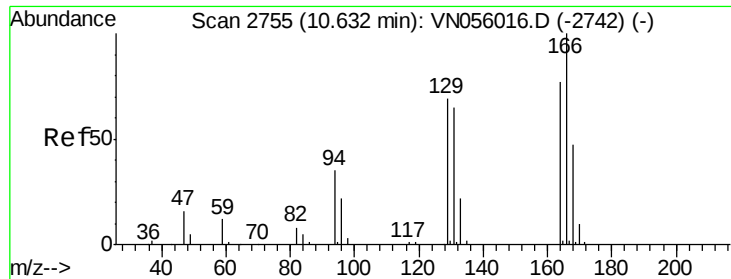
Tot Ion: 43 Resp: 271584
Ion Ratio Lower Upper
43 100
58 57.1 45.3 67.9
57 19.8 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.186 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 95 Resp: 109185
Ion Ratio Lower Upper
95 100
174 95.9 75.4 113.0
176 93.3 73.9 110.9

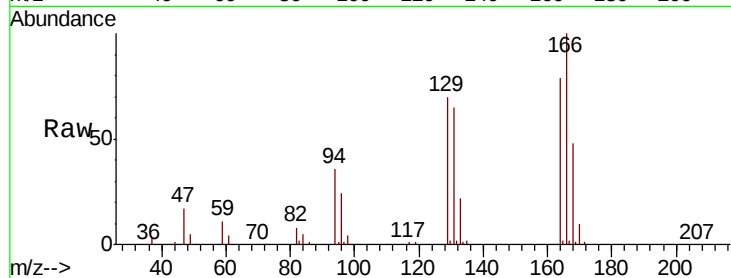




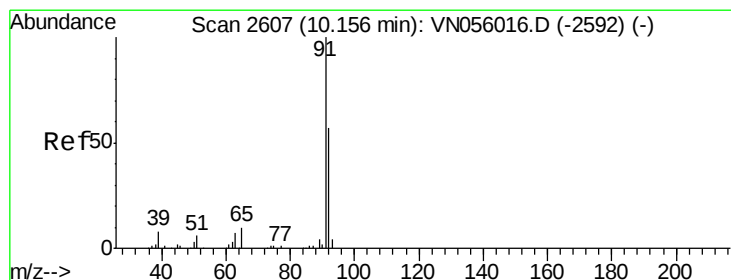
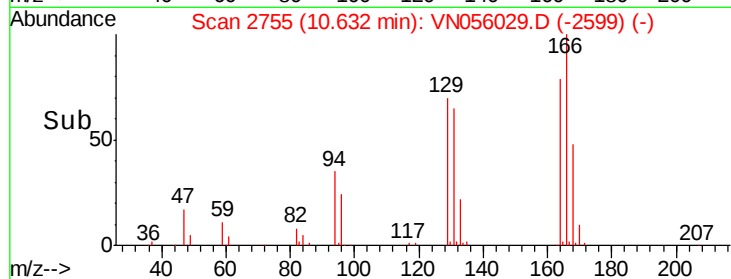
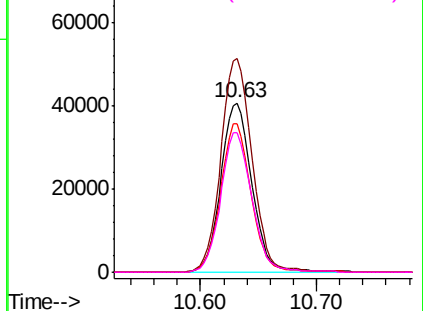
#61
Tetrachloroethene
Concen: 21.350 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 75102
Ion Ratio Lower Upper
164 100
166 125.8 104.3 156.5
129 88.0 71.5 107.3
131 82.2 67.7 101.5

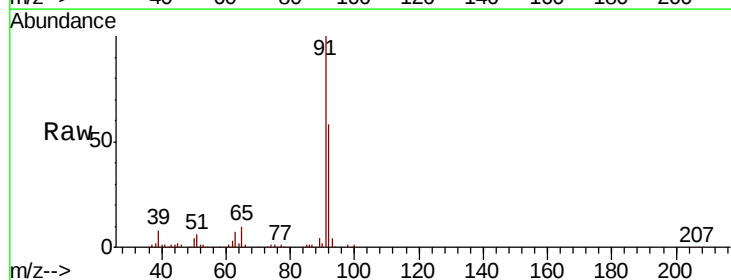


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

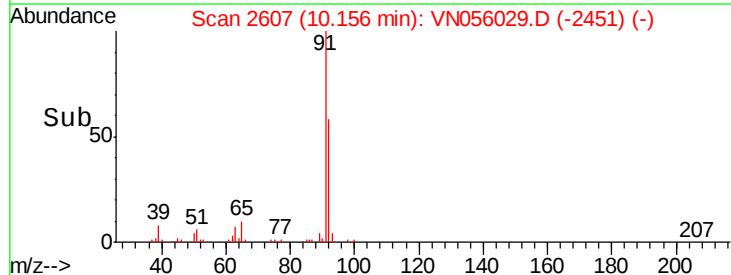
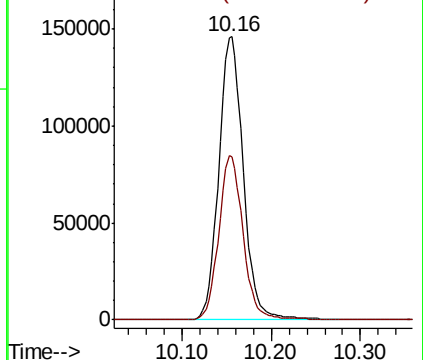


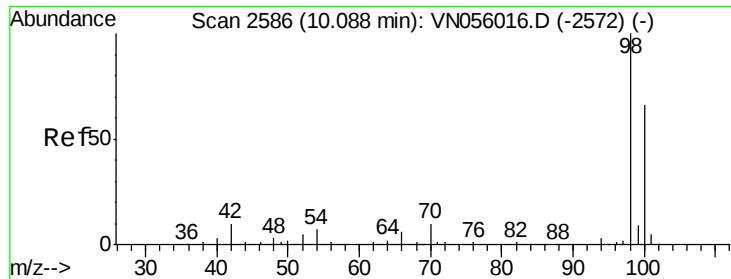
#62
Toluene
Concen: 20.390 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 91 Resp: 277824
Ion Ratio Lower Upper
91 100
92 57.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V

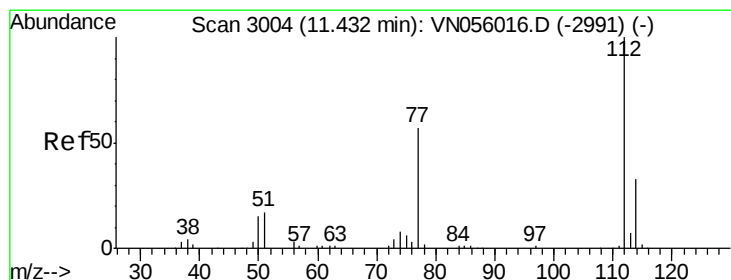
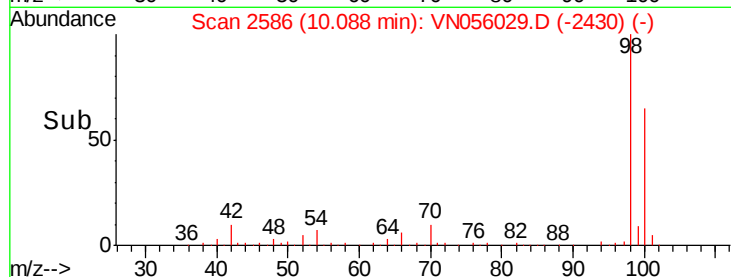
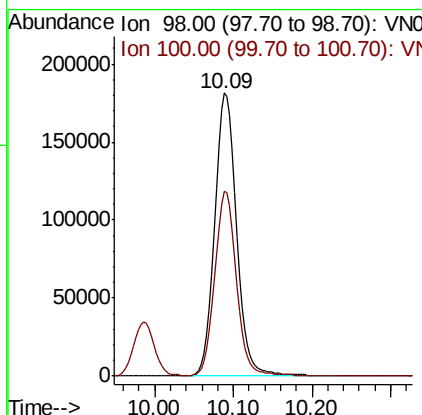
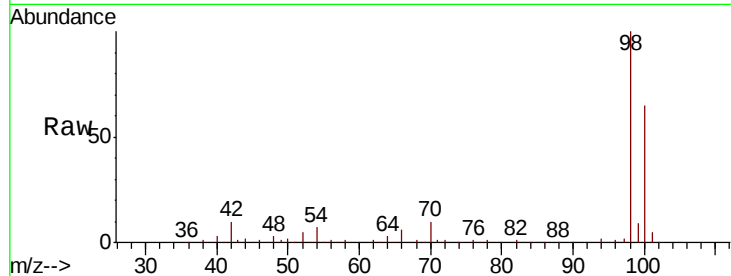




#63
Toluene-d8
Concen: 30.409 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

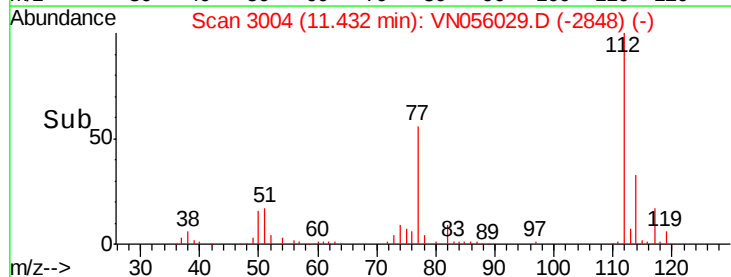
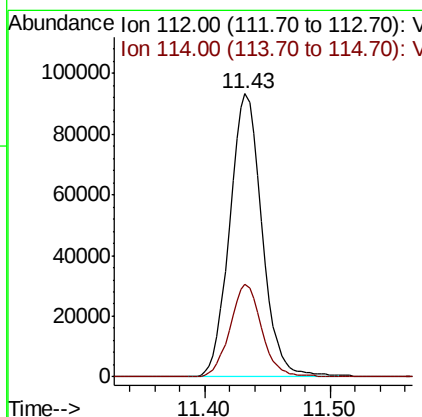
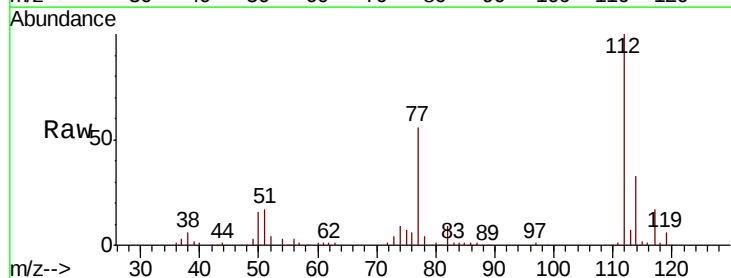
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

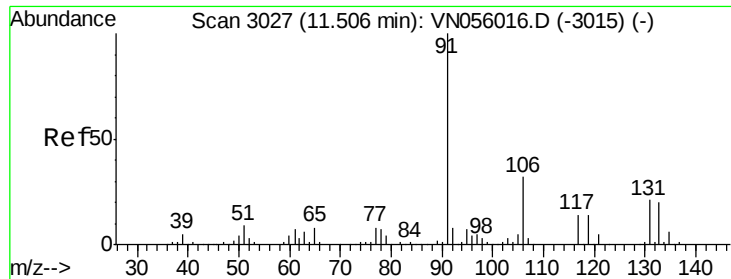
Tot Ion: 98 Resp: 348166
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#64
Chlorobenzene
Concen: 20.195 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion: 112 Resp: 166907
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

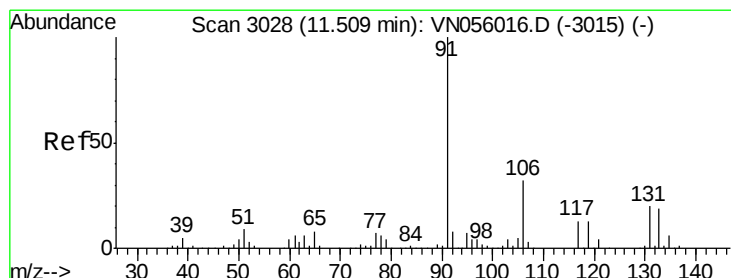
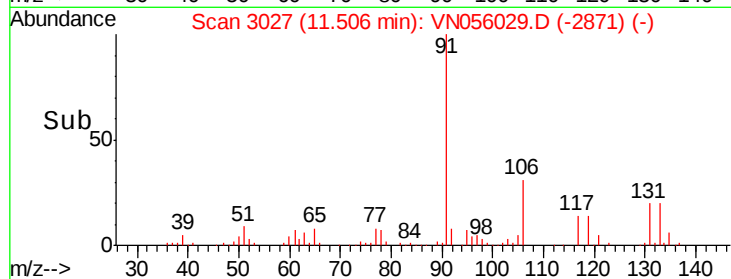
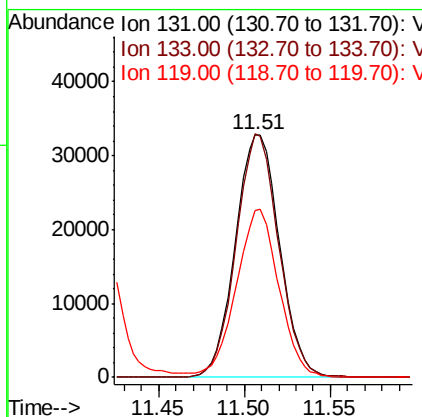
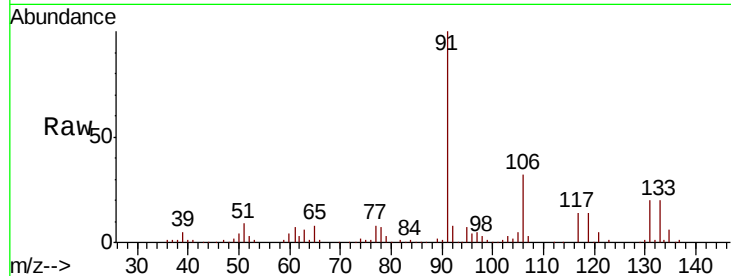




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.691 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

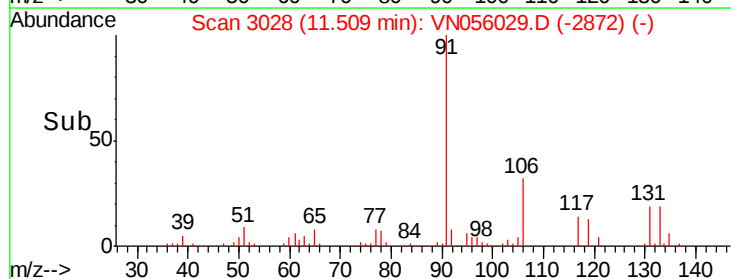
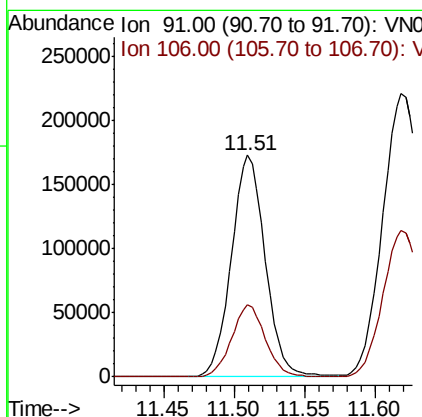
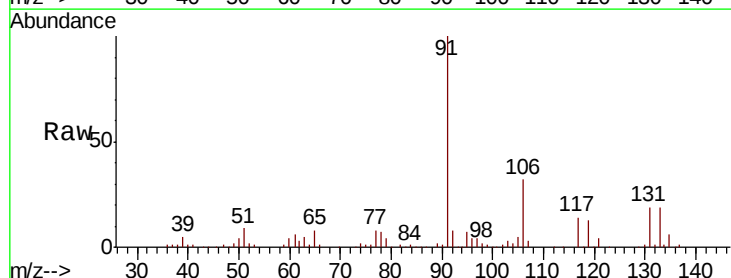
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

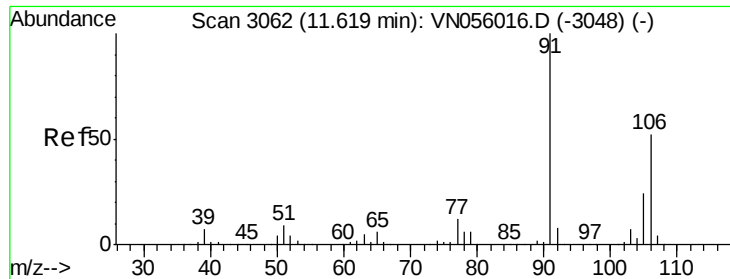
Tot Ion:131 Resp: 58682
 Ion Ratio Lower Upper
 131 100
 133 96.7 0.0 193.8
 119 67.2 0.0 134.4



#66
 Ethyl Benzene
 Concen: 20.083 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 91 Resp: 291448
 Ion Ratio Lower Upper
 91 100
 106 32.4 25.7 38.5

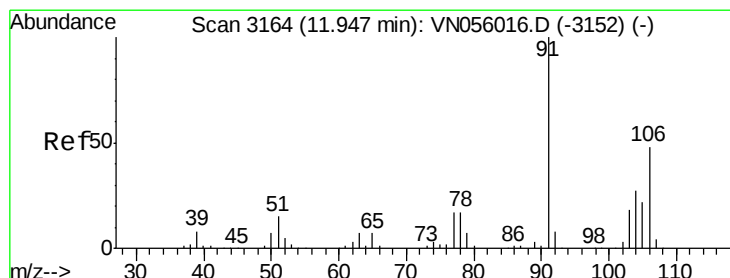
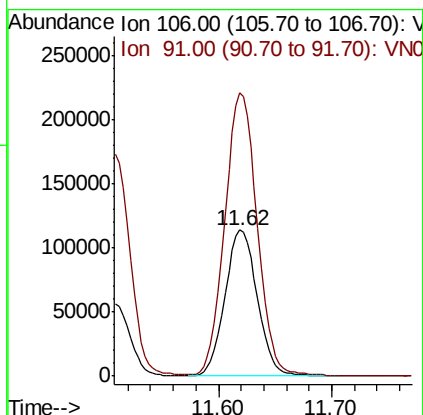
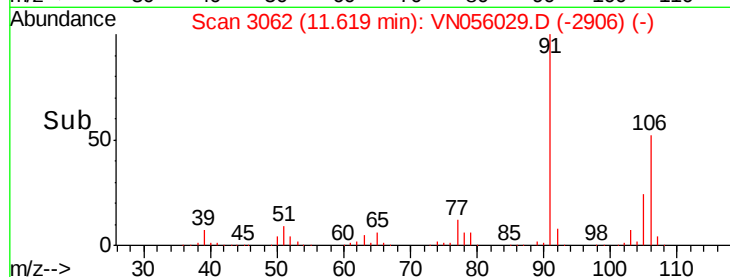
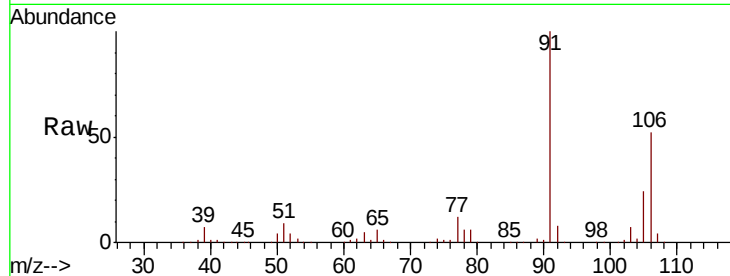




#67
m/p-Xylenes
Concen: 40.823 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

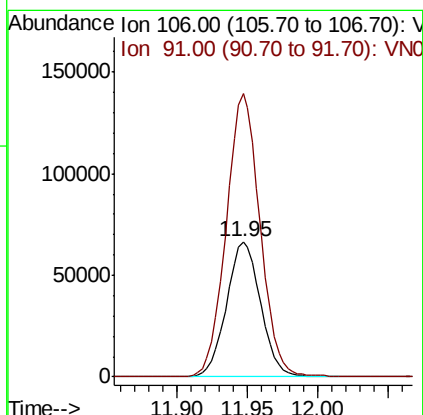
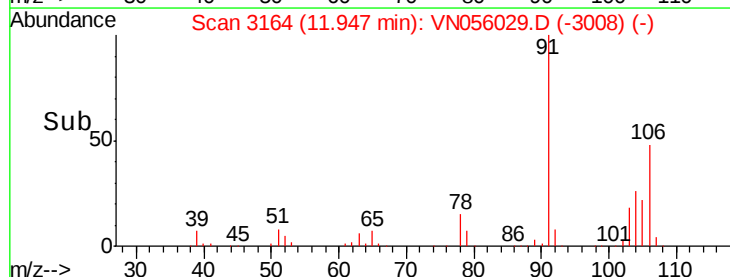
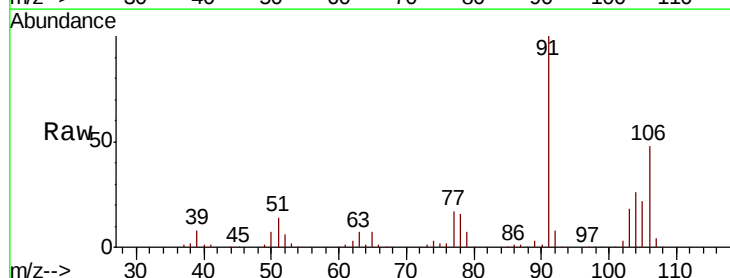
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

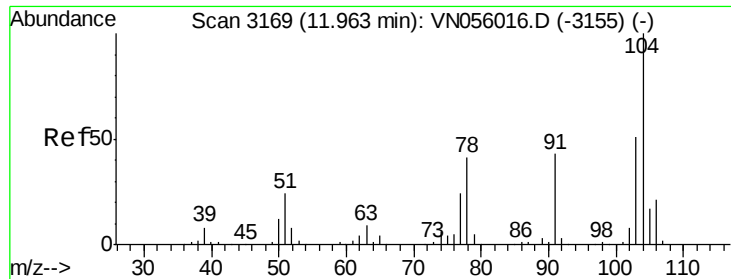
Tot Ion:106 Resp: 226762
Ion Ratio Lower Upper
106 100
91 194.9 155.7 233.5



#68
o-Xylene
Concen: 20.707 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion:106 Resp: 112605
Ion Ratio Lower Upper
106 100
91 207.3 103.9 311.7

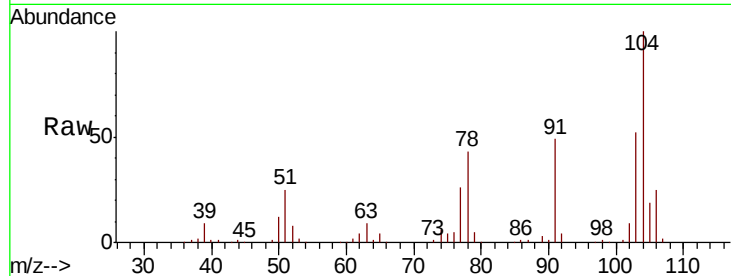




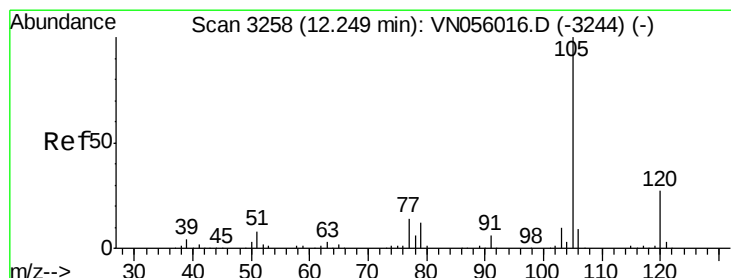
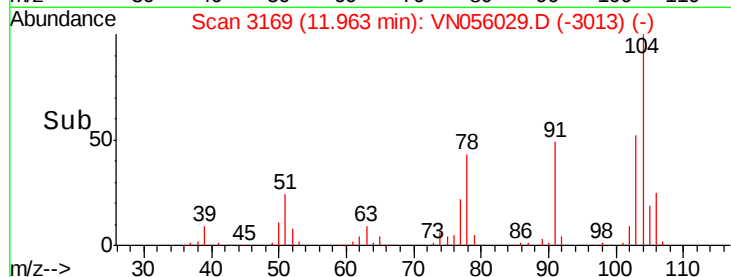
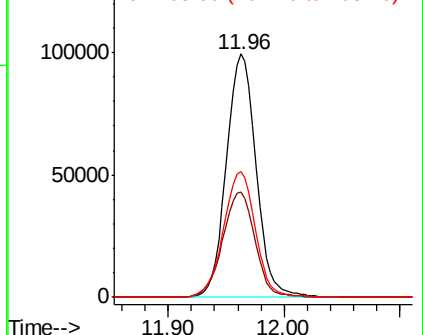
#69
Stvrene
Concen: 19.901 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 175837
Ion Ratio Lower Upper
104 100
78 47.1 37.0 55.6
103 55.6 44.4 66.6

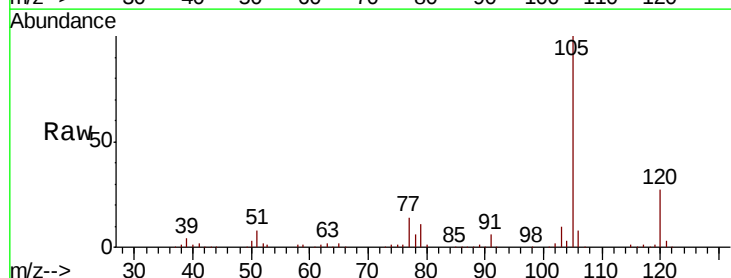


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

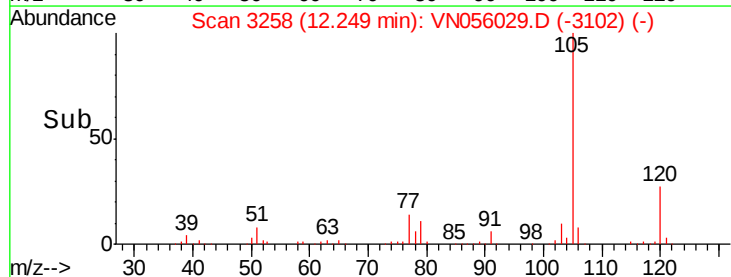
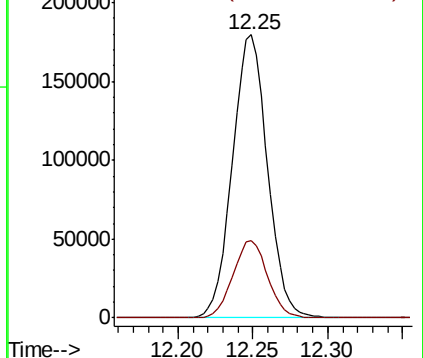


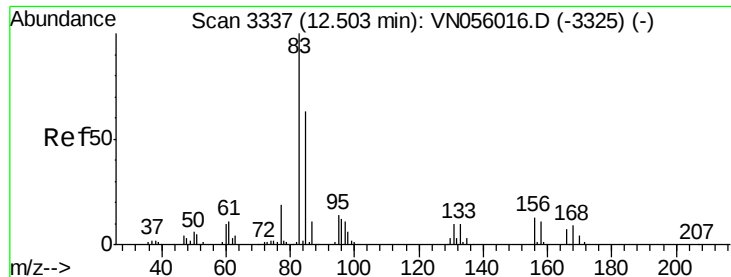
#70
Isopropylbenzene
Concen: 20.602 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056029.D
Acq: 6 Jun 2019 1:33

Tgt Ion:105 Resp: 292728
Ion Ratio Lower Upper
105 100
120 27.1 19.3 35.8



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

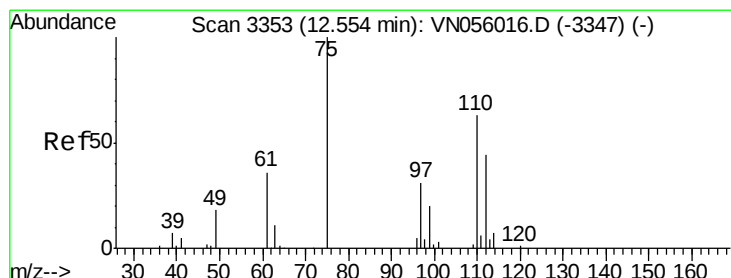
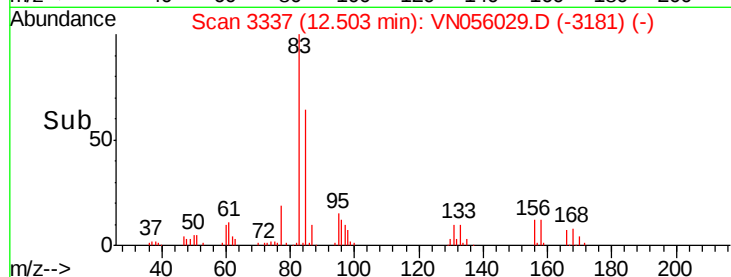
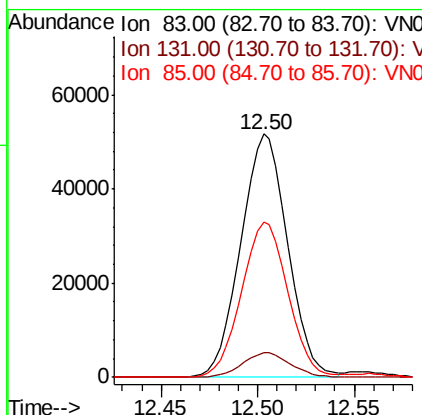
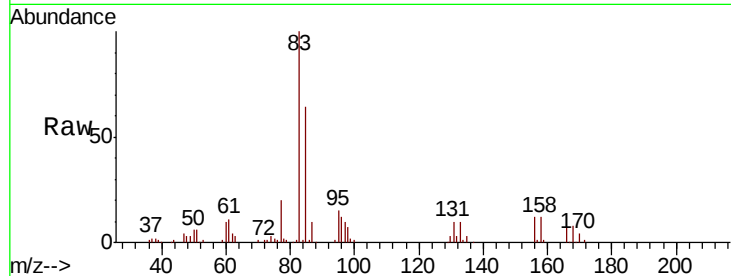




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.293 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

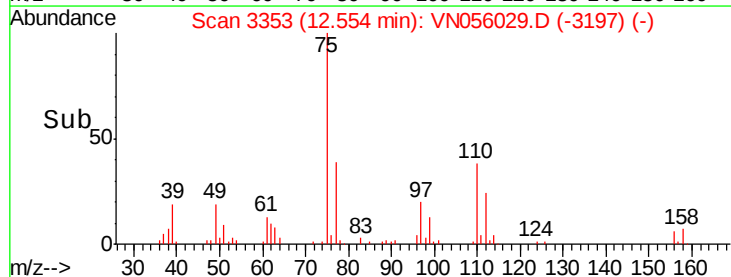
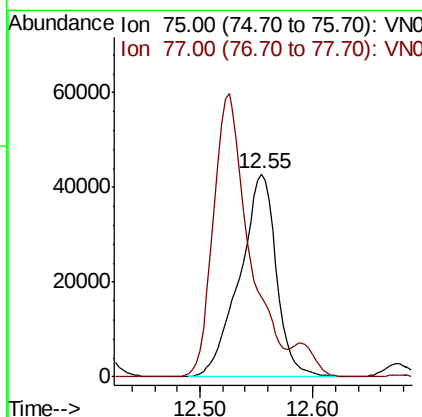
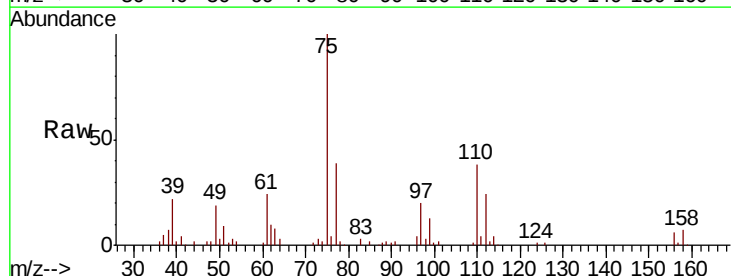
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

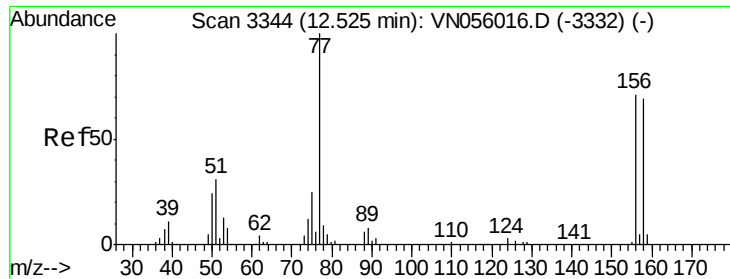
Tot Ion	83	Resp	86931
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.3	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 26.019 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion	75	Resp	96489
Ion Ratio	Lower	Upper	
75	100		
77	135.8	0.0	350.0





#73

Bromobenzene

Concen: 20.163 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

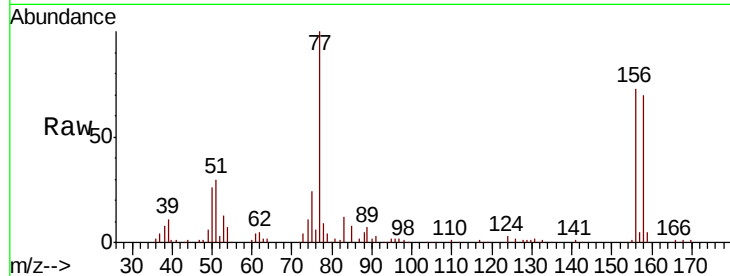
Tot Ion:156 Resp: 76044

Ion Ratio Lower Upper

156 100

77 172.3 0.0 350.8

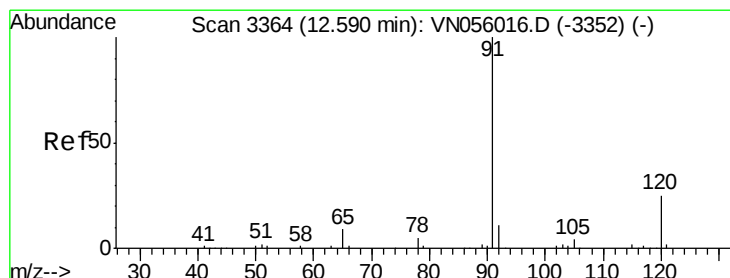
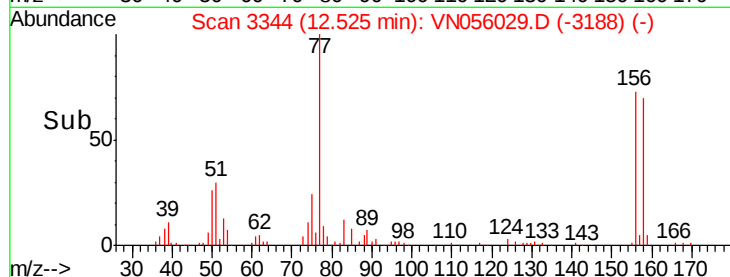
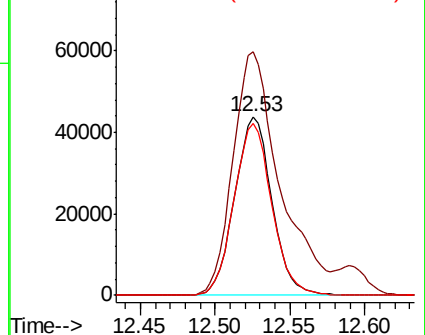
158 97.6 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.990 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056029.D

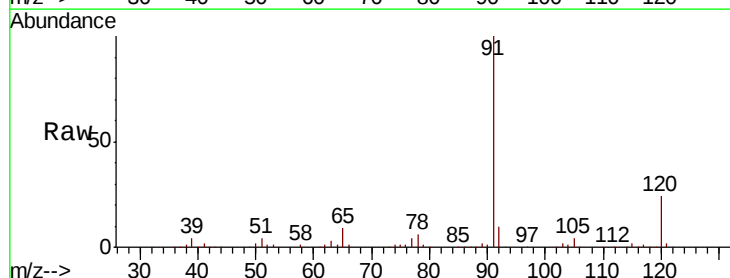
Acq: 6 Jun 2019 1:33

Tgt Ion: 91 Resp: 299732

Ion Ratio Lower Upper

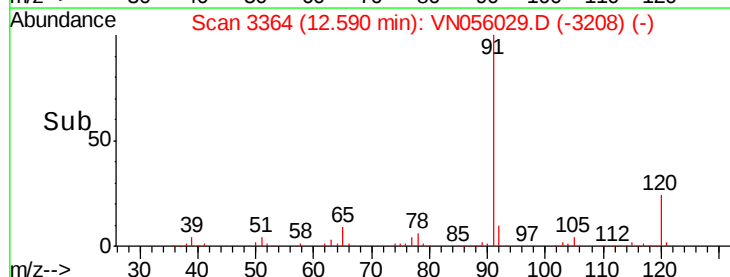
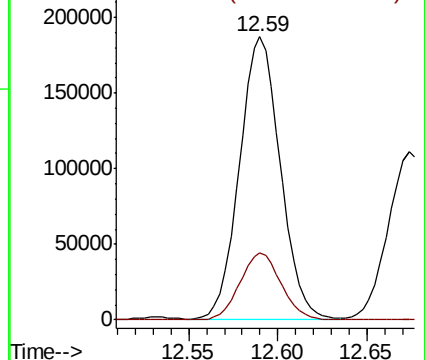
91 100

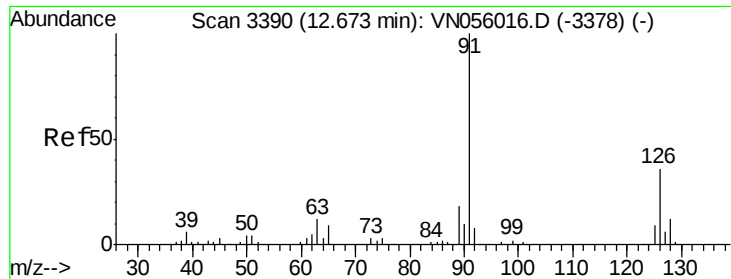
120 23.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

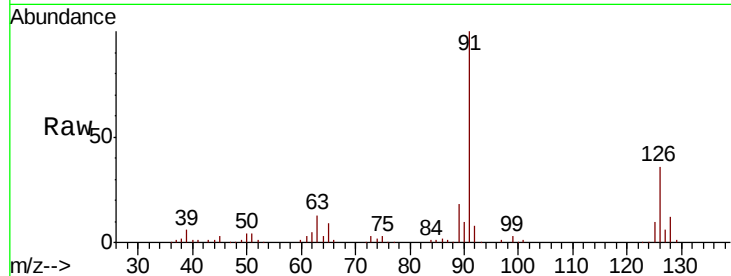
VSTDCCC020EC

Tot Ion: 91 Resp: 187968

Ion Ratio Lower Upper

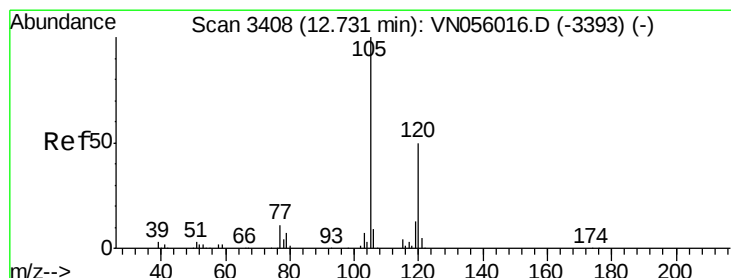
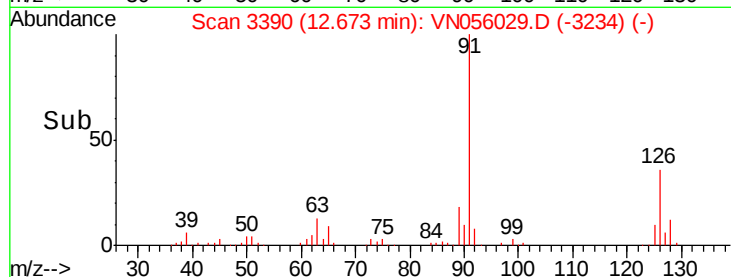
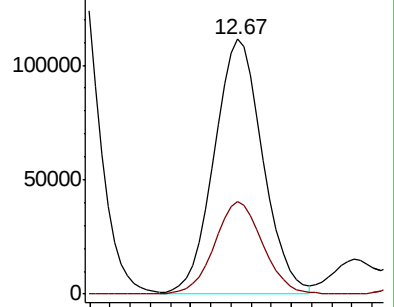
91 100

126 36.0 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.254 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056029.D

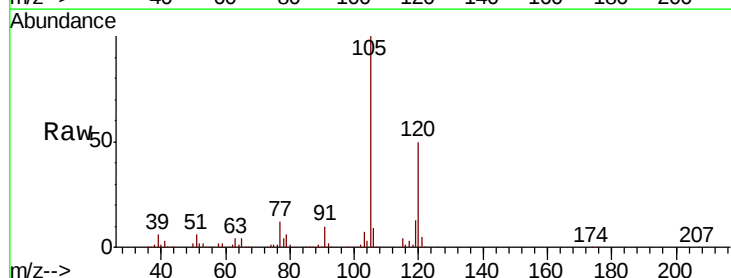
Acq: 6 Jun 2019 1:33

Tgt Ion: 105 Resp: 236711

Ion Ratio Lower Upper

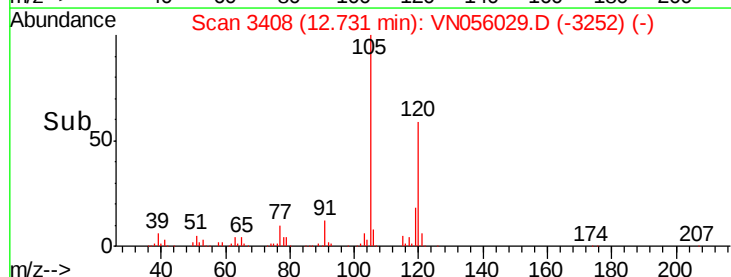
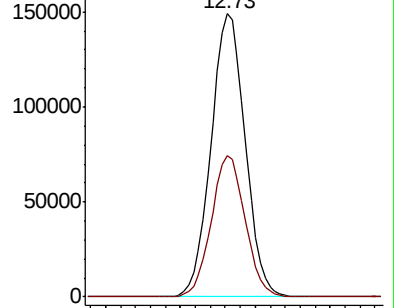
105 100

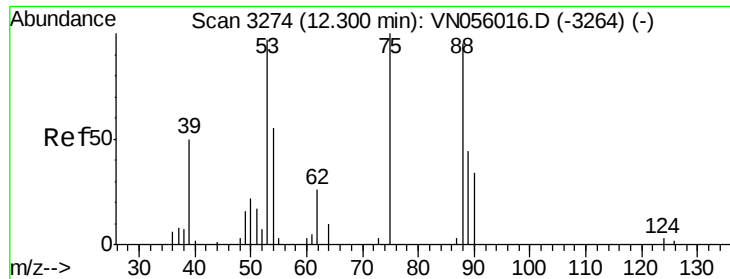
120 49.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.868 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

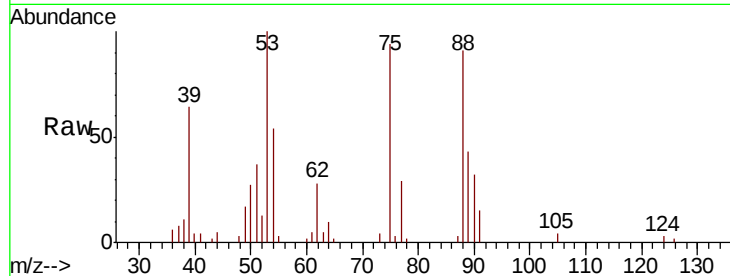
Tot Ion: 75 Resp: 16791

Ion Ratio Lower Upper

75 100

53 106.1 48.0 144.0

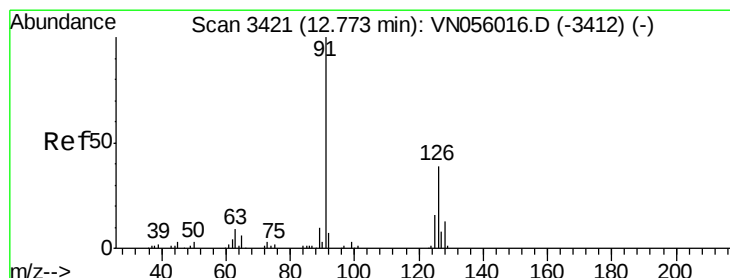
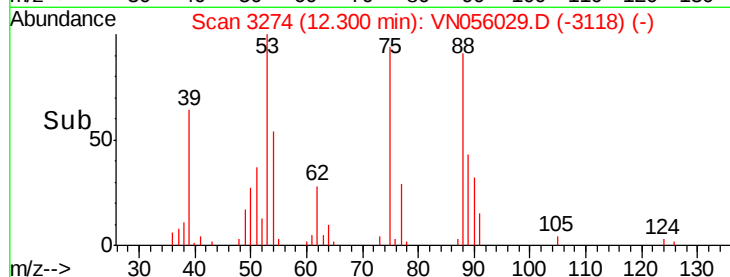
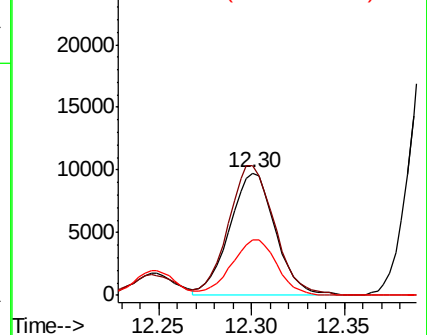
89 45.7 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.805 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056029.D

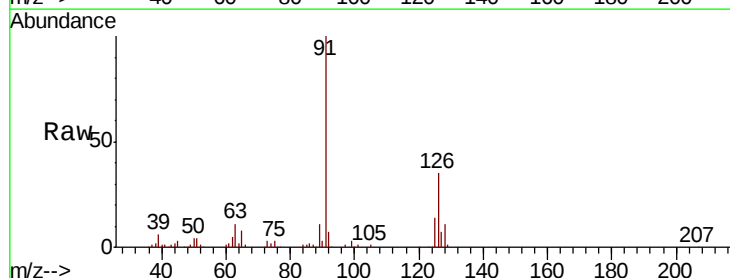
Acq: 6 Jun 2019 1:33

Tgt Ion: 91 Resp: 172022

Ion Ratio Lower Upper

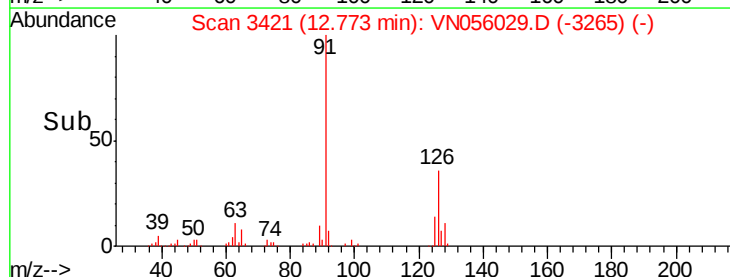
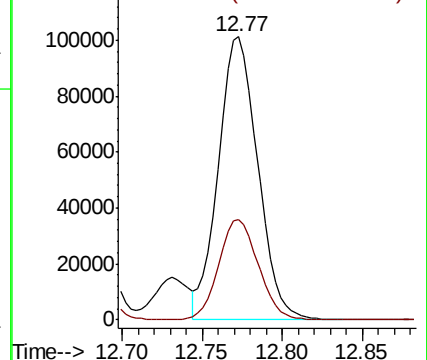
91 100

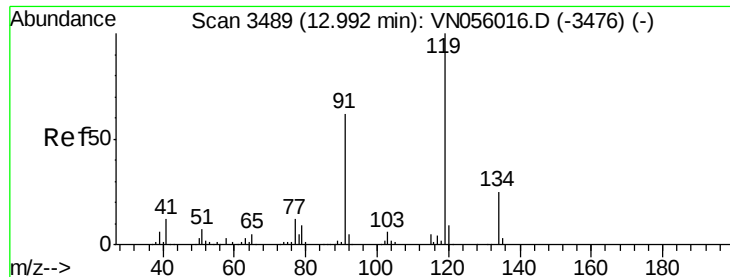
126 35.5 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.479 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

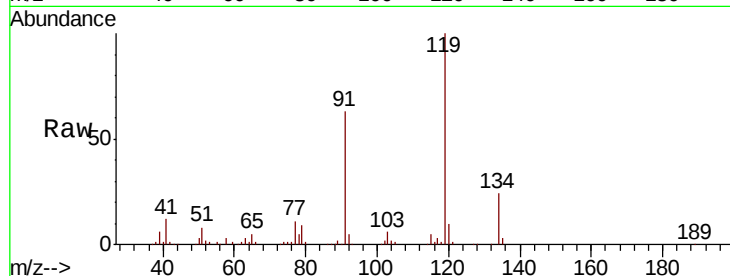
Tot Ion:119 Resp: 212056

Ion Ratio Lower Upper

119 100

91 60.9 0.0 122.8

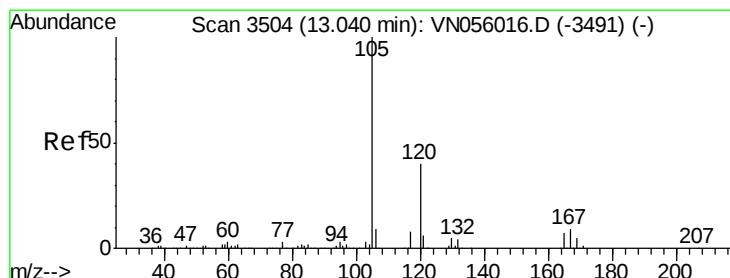
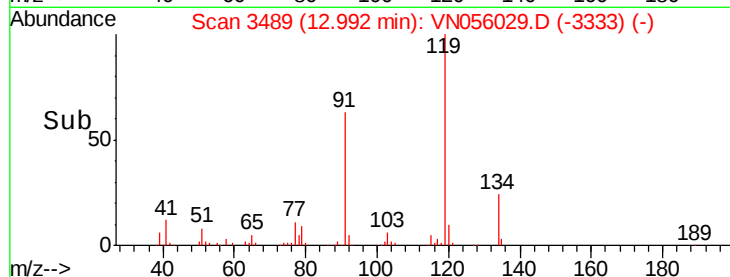
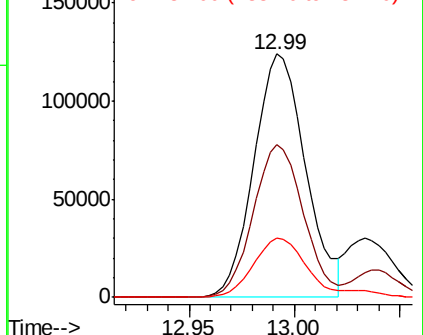
134 24.6 0.0 50.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.004 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056029.D

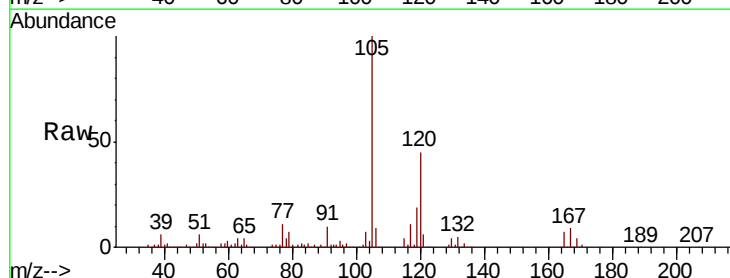
Acq: 6 Jun 2019 1:33

Tgt Ion:105 Resp: 227436

Ion Ratio Lower Upper

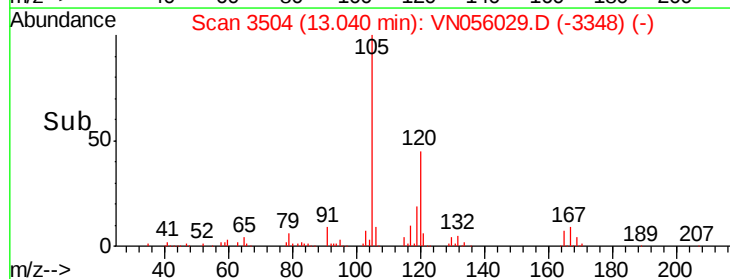
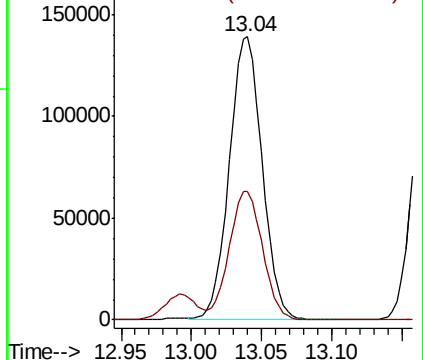
105 100

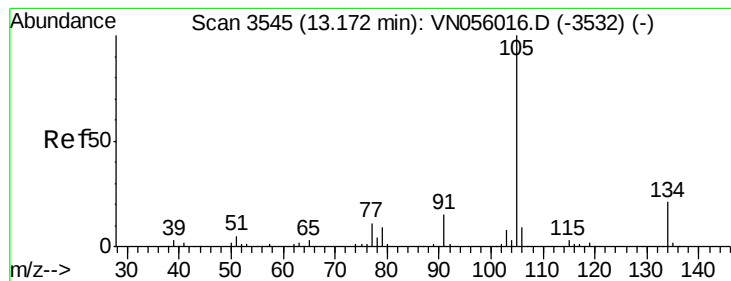
120 46.0 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.323 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

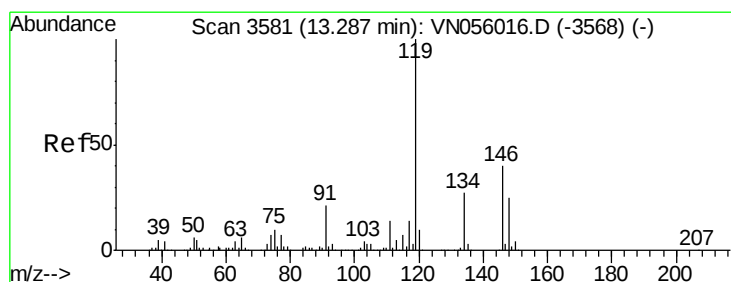
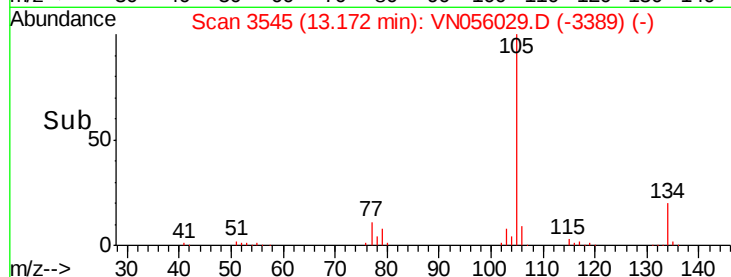
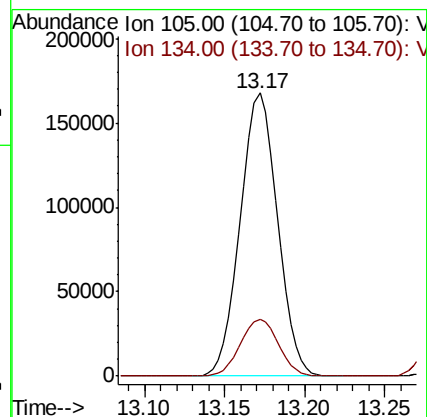
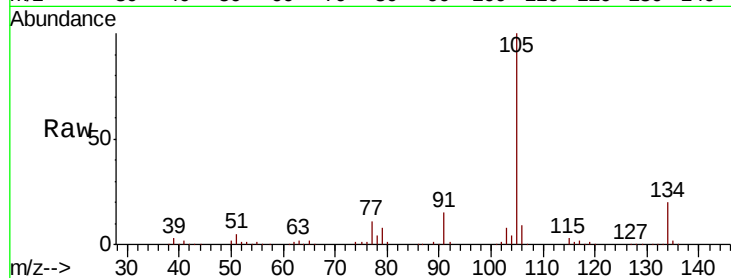
VSTDCCC020EC

Tot Ion:105 Resp: 266208

Ion Ratio Lower Upper

105 100

134 20.5 0.0 41.8



#82

p-Isopropyltoluene

Concen: 19.809 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

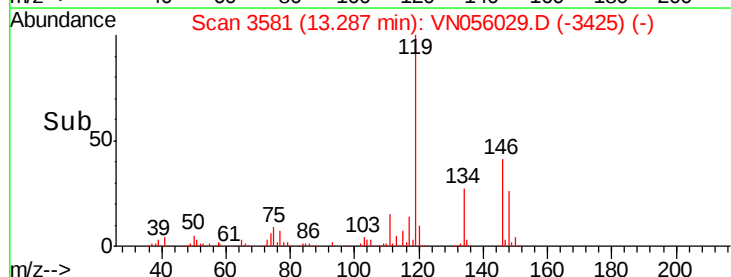
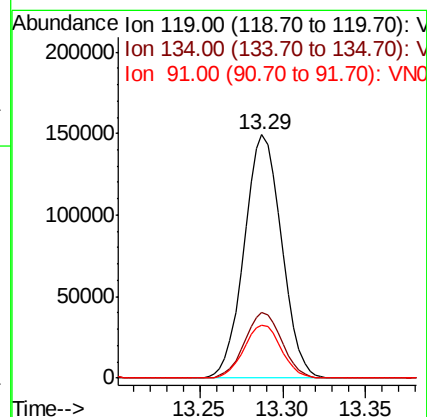
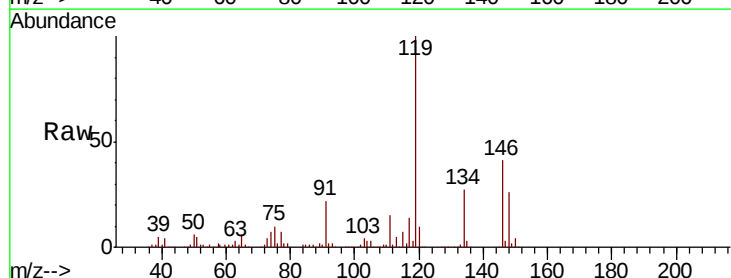
Tgt Ion:119 Resp: 234597

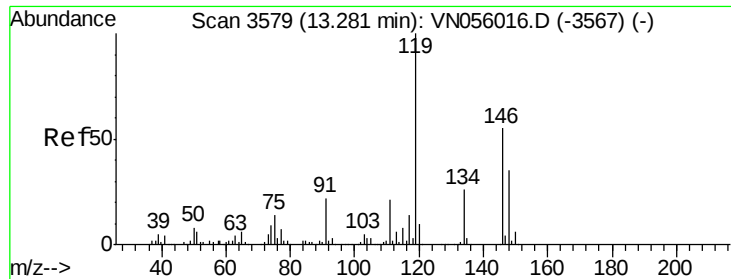
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.4

91 21.7 0.0 43.0

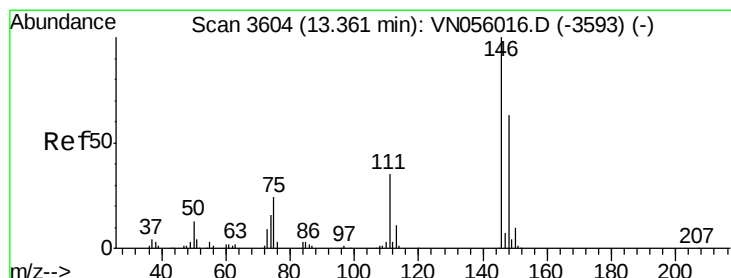
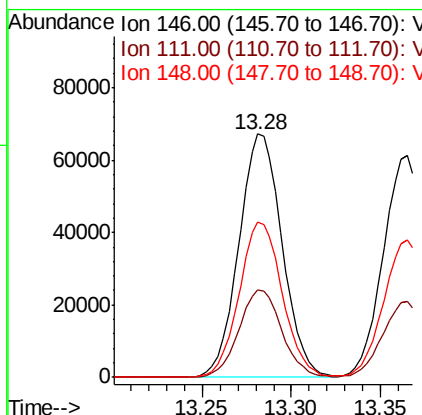
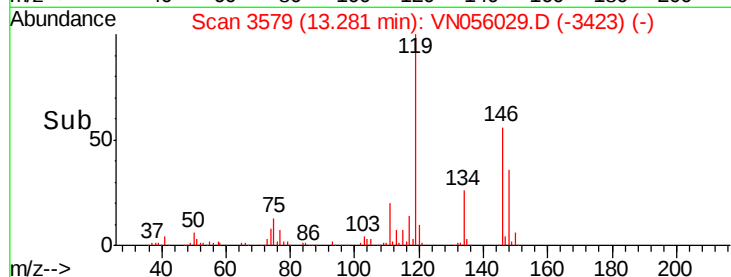
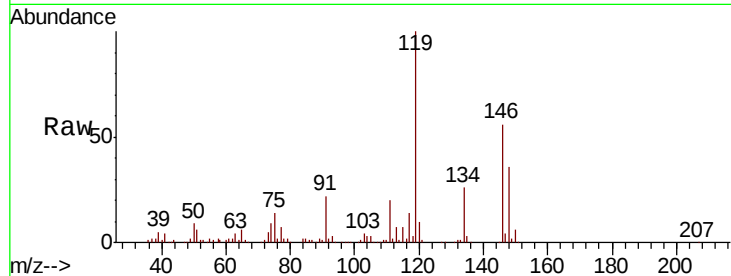




#83
 1,3-Dichlorobenzene
 Concen: 19.323 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

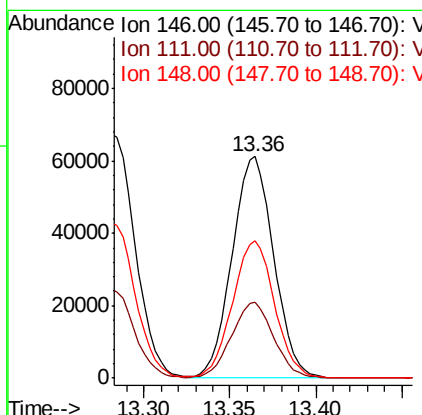
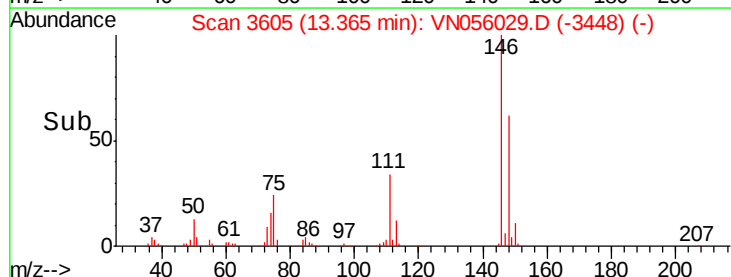
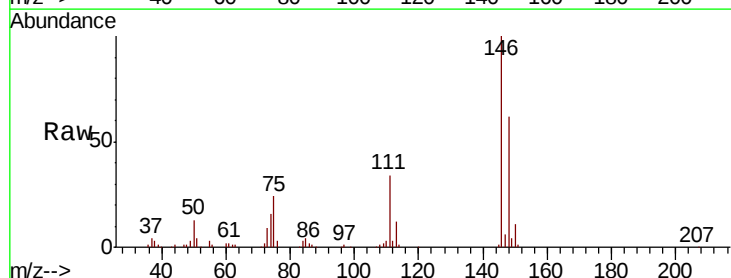
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

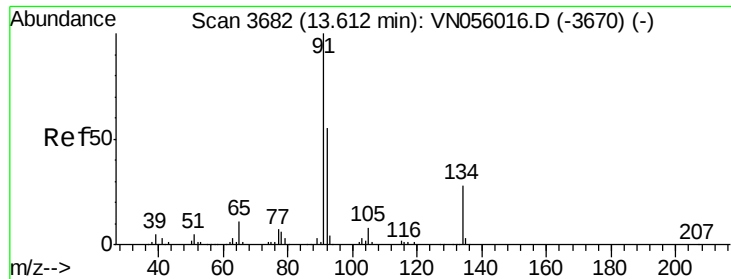
Tot Ion:146 Resp: 113566
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.2 54.6
 148 63.4 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.426 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion:146 Resp: 103156
 Ion Ratio Lower Upper
 146 100
 111 34.7 17.6 52.9
 148 62.5 32.1 96.3





#85

n-Butylbenzene

Concen: 17.924 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

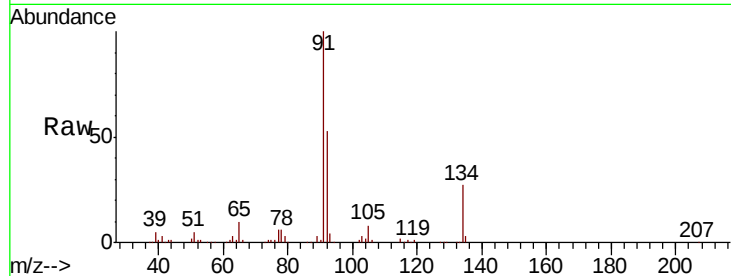
Tot Ion: 91 Resp: 158426

Ion Ratio Lower Upper

91 100

92 52.7 0.0 107.2

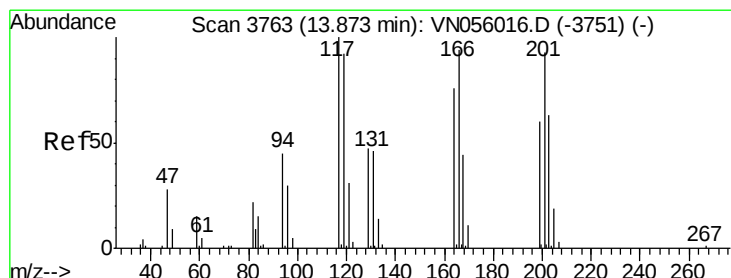
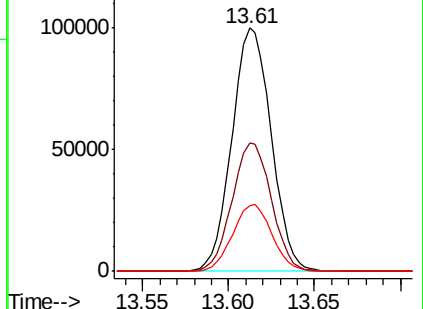
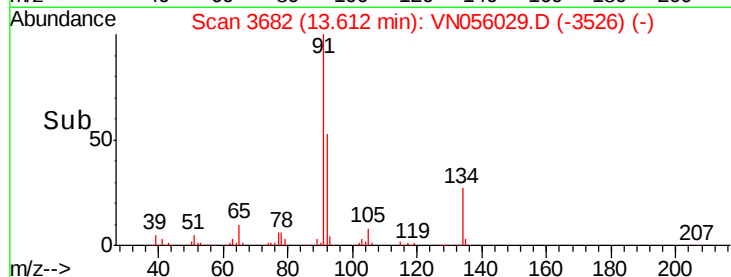
134 27.4 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056029.D (-3526) (-)

Ion 92.00 (91.70 to 92.70): VN056029.D (-3526) (-)

Ion 134.00 (133.70 to 134.70): VN056029.D (-3526) (-)



#86

Hexachloroethane

Concen: 18.173 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056029.D

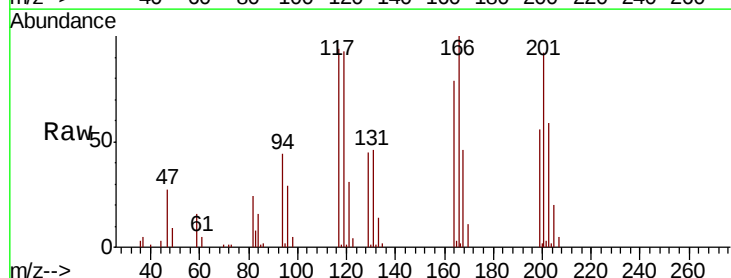
Acq: 6 Jun 2019 1:33

Tgt Ion: 117 Resp: 33552

Ion Ratio Lower Upper

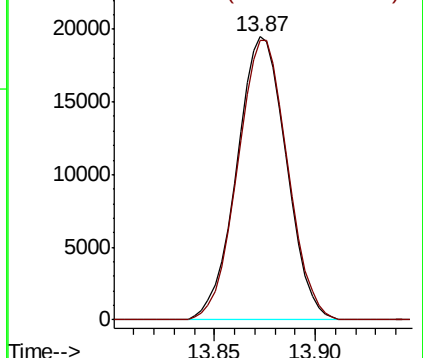
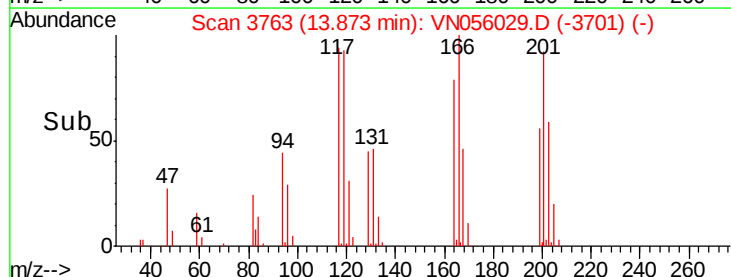
117 100

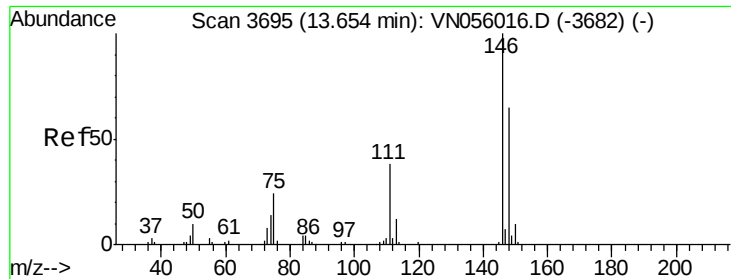
201 98.9 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056029.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056029.D (-3701) (-)

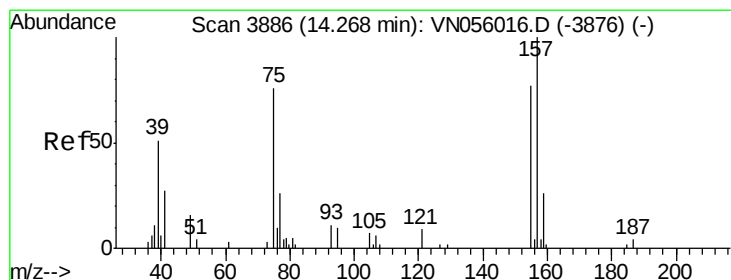
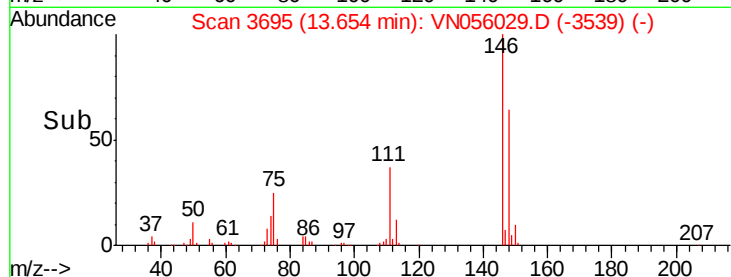
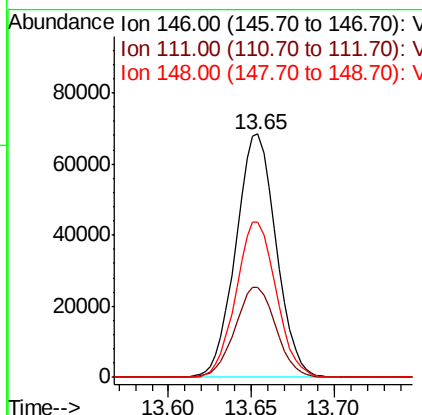
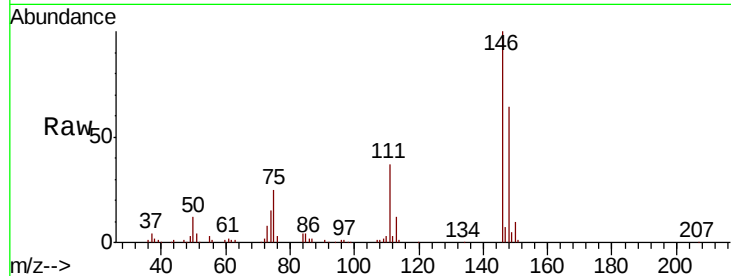




#87
 1,2-Dichlorobenzene
 Concen: 19.371 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

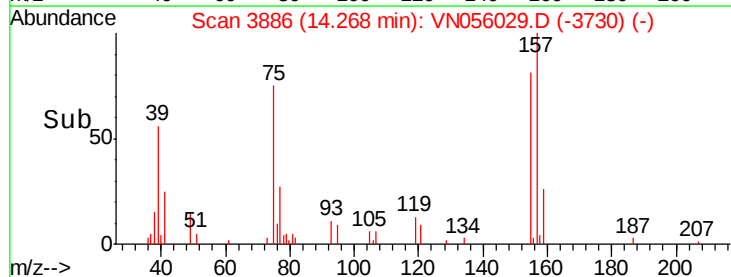
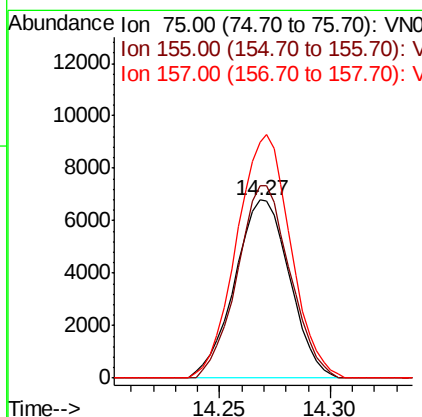
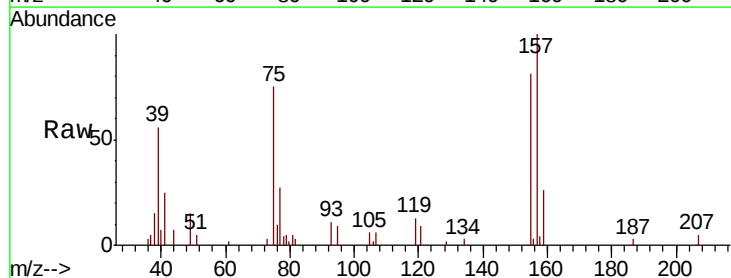
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

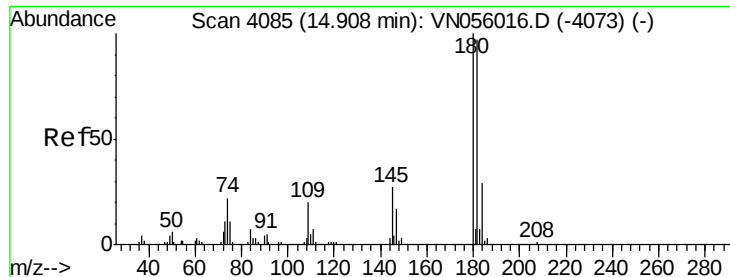
Tot Ion:146 Resp: 115724
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.9
 148 63.8 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.450 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion: 75 Resp: 11734
 Ion Ratio Lower Upper
 75 100
 155 103.8 82.5 123.7
 157 134.1 105.1 157.7

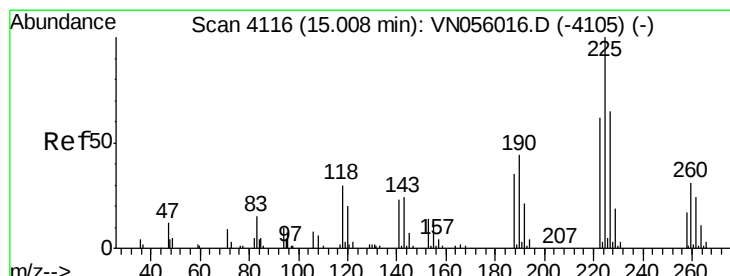
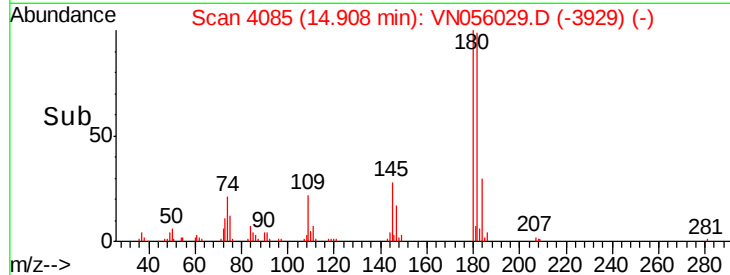
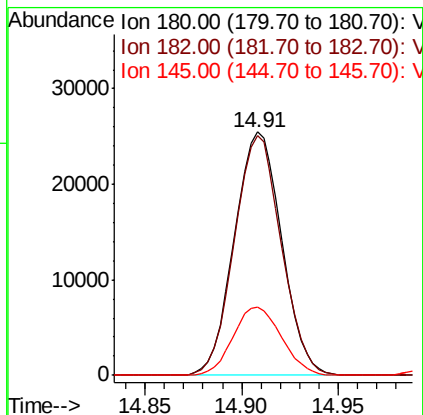
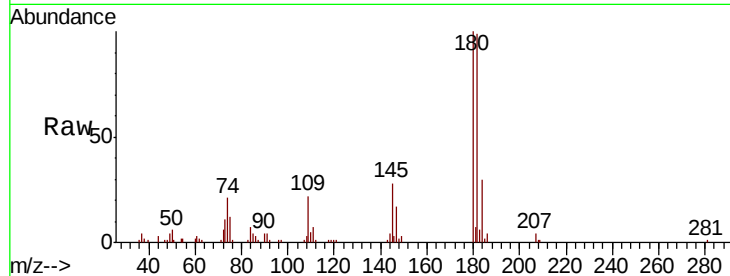




#89
 1,2,4-Trichlorobenzene
 Concen: 18.919 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

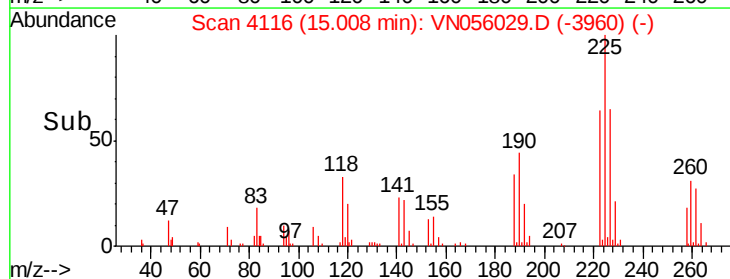
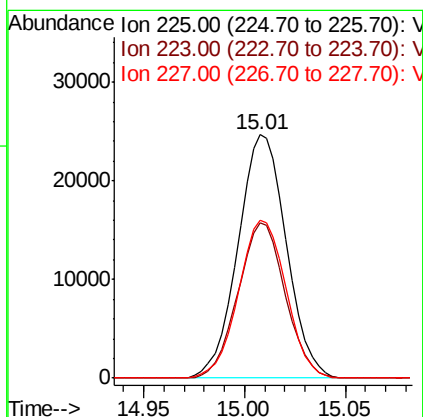
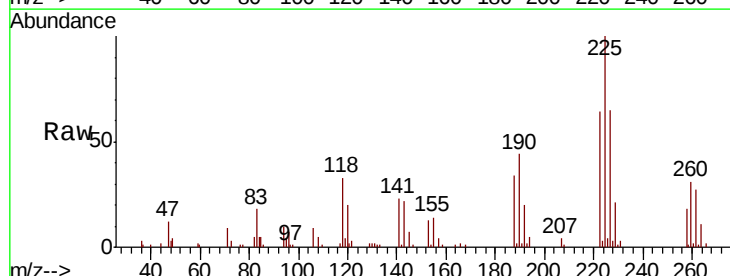
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

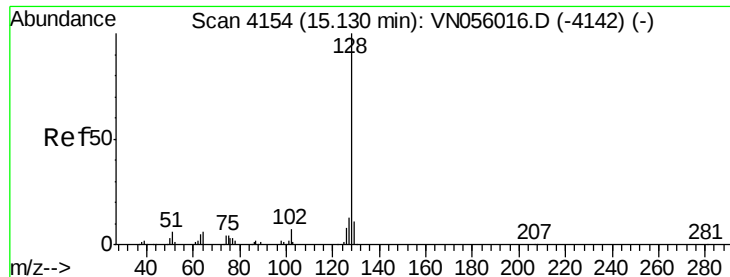
Tot Ion:180 Resp: 43431
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.0 112.6
 145 28.6 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 18.993 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056029.D
 Acq: 6 Jun 2019 1:33

Tgt Ion:225 Resp: 41422
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 125.6
 227 63.7 0.0 128.6





#91

Naphthalene

Concen: 15.886 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

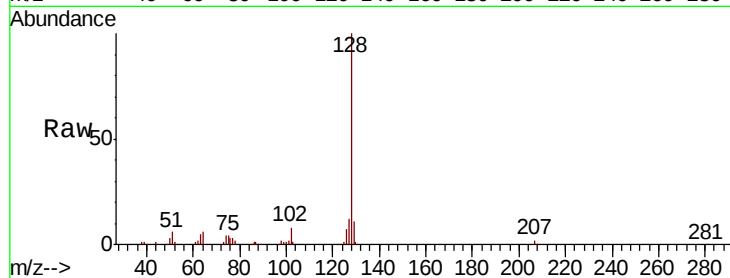
Tot Ion:128 Resp: 126044

Ion Ratio Lower Upper

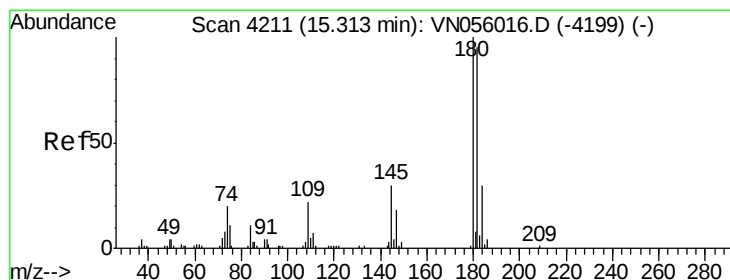
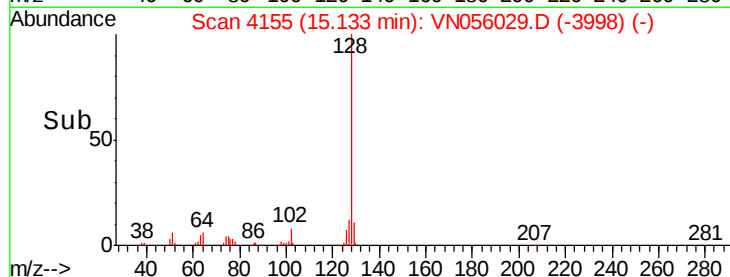
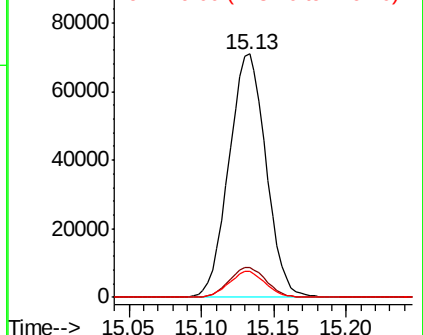
128 100

127 12.2 10.4 15.6

129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.868 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056029.D

Acq: 6 Jun 2019 1:33

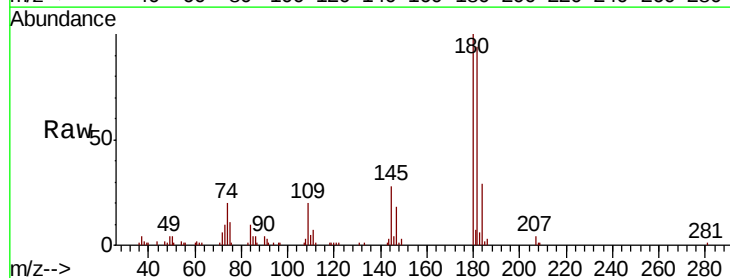
Tgt Ion:180 Resp: 52751

Ion Ratio Lower Upper

180 100

182 96.2 0.0 193.4

145 29.5 0.0 59.8



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

