

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056016.D
 Acq On : 5 Jun 2019 19:18
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jun 06 03:24:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55574	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303903	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	261986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104989	29.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.10%
60) 4-Bromofluorobenzene	12.40	95	113669	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	10.09	98	365078	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66257	25.337	ug/l 100
3) Chloromethane	2.06	50	73105	20.960	ug/l 100
4) Vinyl Chloride	2.18	62	76640	21.380	ug/l 100
5) Bromomethane	2.54	94	49485	22.977	ug/l 100
6) Chloroethane	2.69	64	44483	21.343	ug/l 100
7) Trichlorofluoromethane	3.01	101	94217	20.967	ug/l 100
8) Diethyl Ether	3.40	74	39500	20.217	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57766	20.515	ug/l 100
10) 1,1-Dichloroethene	3.72	96	58282	19.933	ug/l 100
11) Methyl Iodide	3.94	142	89354	21.008	ug/l 100
12) Methyl Acetate	4.33	43	69040	19.368	ug/l 100
13) Acrolein	3.60	56	16287	37.436	ug/l 100
14) Acrylonitrile	4.99	53	154939	96.146	ug/l 100
15) Acetone	3.82	58	54756	107.438	ug/l 100
16) Carbon Disulfide	4.04	76	129424	16.160	ug/l 100
17) Allyl chloride	4.31	41	87579	17.174	ug/l 100
18) Methylene Chloride	4.54	84	67035	19.998	ug/l 100
19) trans-1,2-Dichloroethene	5.03	96	63038	20.051	ug/l 100
20) Diisopropyl ether	5.95	45	188061	18.656	ug/l 100
21) 1,1-Dichloroethane	5.85	63	108305	18.995	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	72783	19.844	ug/l 100
23) tert-Butyl Alcohol	4.82	59	58675	85.089	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	185474	18.938	ug/l 100
25) Chloroform	7.37	83	108766	19.237	ug/l 100
26) Cyclohexane	7.65	56	100487	19.040	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	81022	19.252	ug/l 100
30) 2-Butanone	6.84	43	217889	97.441	ug/l 100
31) 2,2-Dichloropropane	6.82	77	75574	16.147	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	89702	18.241	ug/l 100
33) Carbon Tetrachloride	7.77	117	74393	17.153	ug/l 100
34) Benzene	8.04	78	260640	19.914	ug/l 100
35) Methacrylonitrile	7.18	41	40640	19.503	ug/l 100
36) 1,2-Dichloroethane	8.12	62	81067	19.153	ug/l 100
37) Trichloroethene	8.83	130	73610	20.098	ug/l 100
38) Methylcyclohexane	9.08	83	100577	18.869	ug/l 100
39) 1,2-Dichloropropane	9.12	63	67231	19.271	ug/l 100
40) Dibromomethane	9.21	93	44079	19.447	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76549	17.031	ug/l	100
42) Vinyl Acetate	5.90	43	761051	89.260	ug/l	100
43) Ethyl Acetate	6.93	43	82384	18.885	ug/l	100
44) Isopropyl Acetate	8.17	43	122812	17.228	ug/l	100
45) 1,4-Dioxane	9.21	88	27378	395.823	ug/l	100
46) Methyl methacrylate	9.20	41	58974	17.677	ug/l	100
47) n-amyl Acetate	12.07	43	100458	17.093	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	77209	15.736	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	94217	17.280	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	65243	19.770	ug/l	100
51) Ethyl methacrylate	10.43	69	95106	18.200	ug/l	100
52) 1,3-Dichloropropane	10.71	76	106545	19.654	ug/l	100
53) Dibromochloromethane	10.90	129	58826	15.763	ug/l	100
54) 1,2-Dibromoethane	11.00	107	66912	19.596	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	161265	80.851	ug/l	100
56) Bromoform	12.13	173	40497	13.606	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	397368	93.832	ug/l	100
59) 2-Hexanone	10.75	43	283625	93.511	ug/l	100
61) Tetrachloroethene	10.63	164	75105	21.113	ug/l	100
62) Toluene	10.16	91	284859	20.274	ug/l	100
64) Chlorobenzene	11.43	112	170664	20.040	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	60872	18.177	ug/l	100
66) Ethyl Benzene	11.51	91	302331	19.795	ug/l	100
67) m/p-Xylenes	11.62	106	231018	39.788	ug/l	100
68) o-Xylene	11.95	106	113580	19.816	ug/l	100
69) Styrene	11.96	104	178816	18.971	ug/l	100
70) Isopropylbenzene	12.25	105	296670	19.767	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	90206	19.628	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	100840	25.635	ug/l	70
73) Bromobenzene	12.53	156	76856	19.364	ug/l	100
74) n-propylbenzene	12.59	91	302298	18.816	ug/l	100
75) 2-Chlorotoluene	12.67	91	190169	19.335	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	241775	19.551	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18843	12.818	ug/l	100
78) 4-Chlorotoluene	12.77	91	171074	18.430	ug/l	100
79) tert-butylbenzene	12.99	119	213313	19.652	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	231911	18.973	ug/l	100
81) sec-Butylbenzene	13.17	105	268114	19.422	ug/l	100
82) p-Isopropyltoluene	13.29	119	238776	18.881	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115189	18.622	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105181	17.918	ug/l	100
85) n-Butylbenzene	13.61	91	163325	16.809	ug/l	100
86) Hexachloroethane	13.87	117	35523	14.994	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	117984	18.941	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12395	14.972	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	47323	14.362	ug/l	100
90) Hexachlorobutadiene	15.01	225	43833	17.782	ug/l	100
91) Naphthalene	15.13	128	130352	14.526	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54579	15.815	ug/l	100

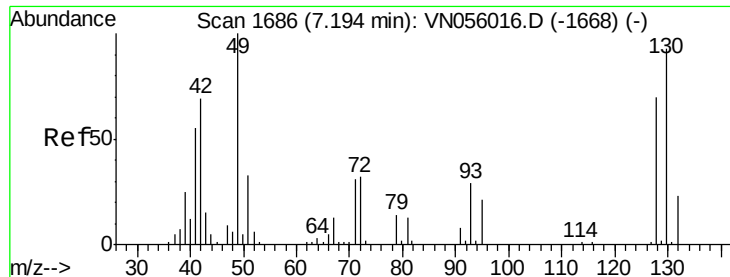
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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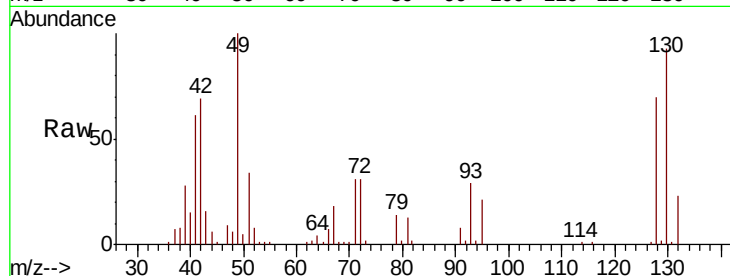
(#) = qualifier out of range (m) = manual integration (+) = signals summed



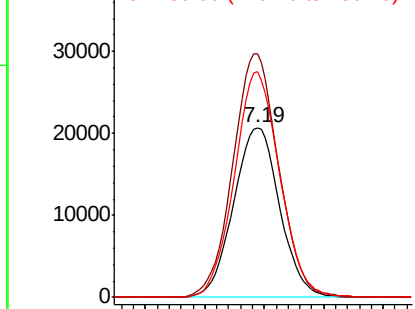
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

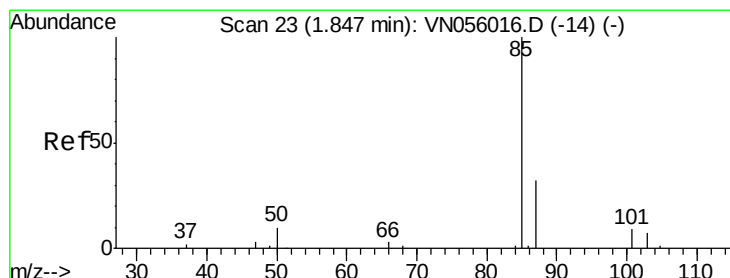
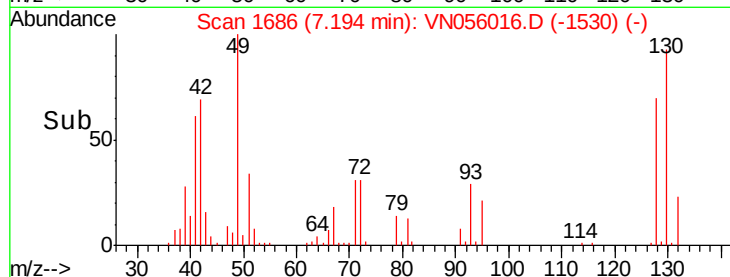
Tot Ion:128 Resp: 55574
Ion Ratio Lower Upper
128 100
49 142.3 0.0 355.8
130 130.5 0.0 326.3



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

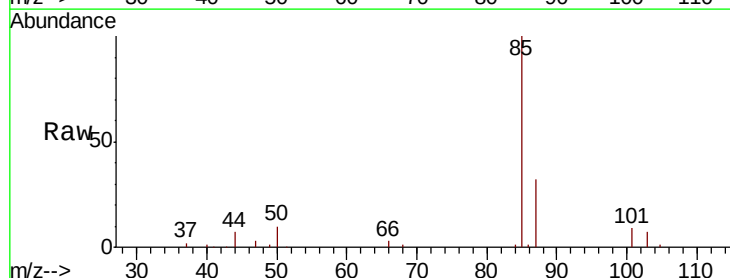


Time-->

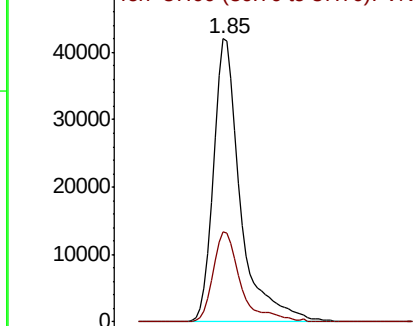


#2
Dichlorodifluoromethane
Concen: 25.337 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

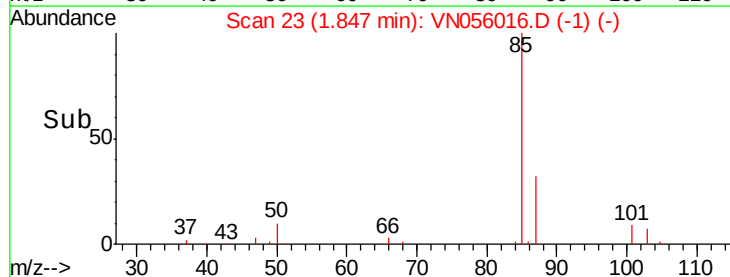
Tgt Ion: 85 Resp: 66257
Ion Ratio Lower Upper
85 100
87 31.8 15.9 47.7

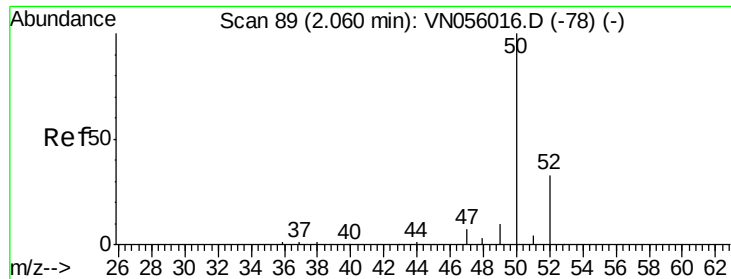


Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 20.960 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

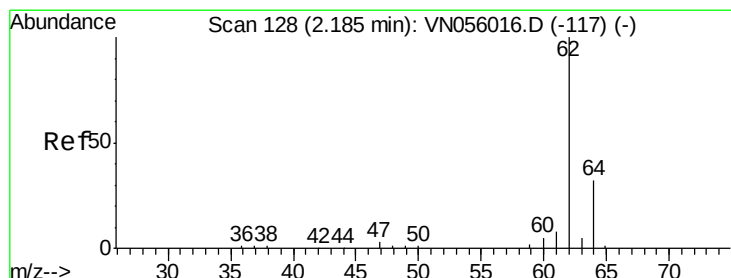
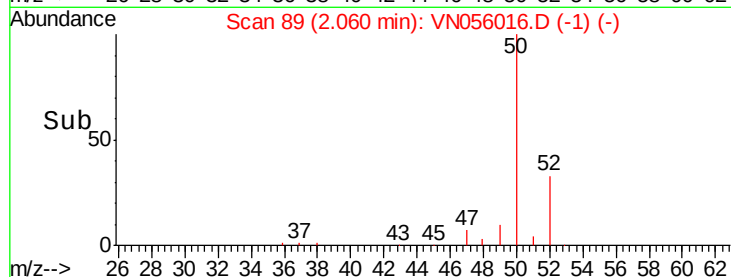
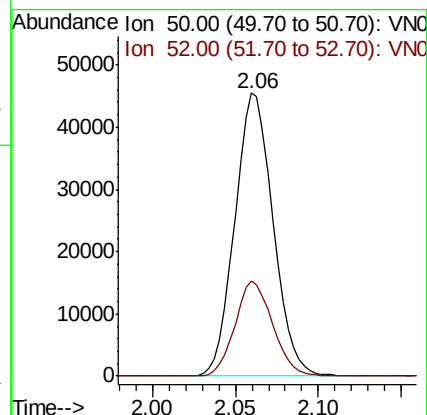
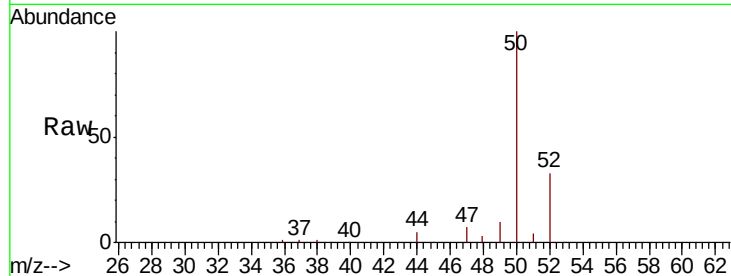
VSTDICCC020

Tot Ion: 50 Resp: 73105

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 21.380 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056016.D

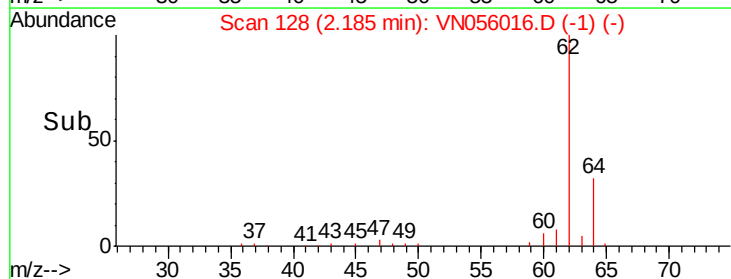
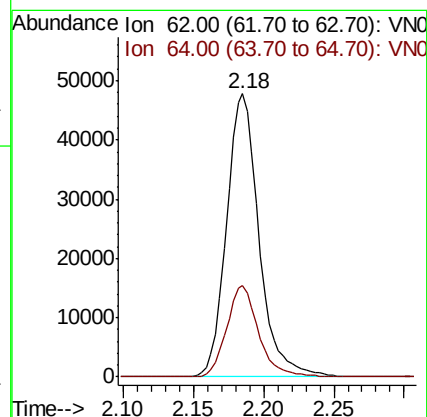
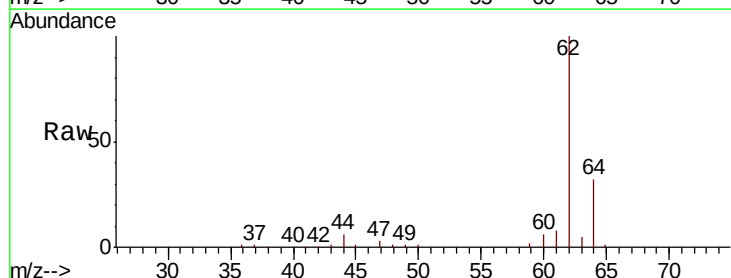
Acq: 5 Jun 2019 19:18

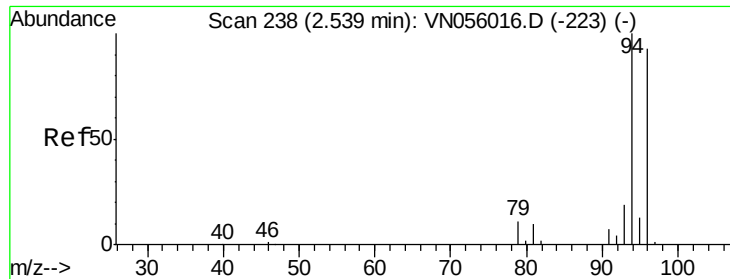
Tgt Ion: 62 Resp: 76640

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8

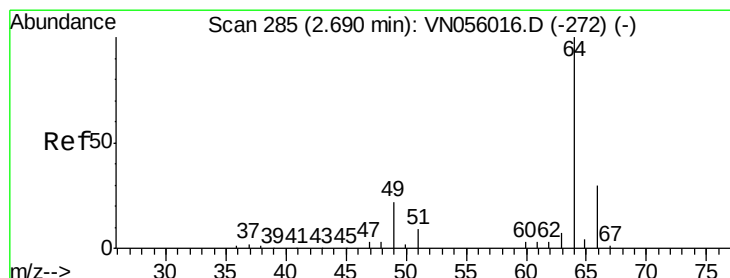
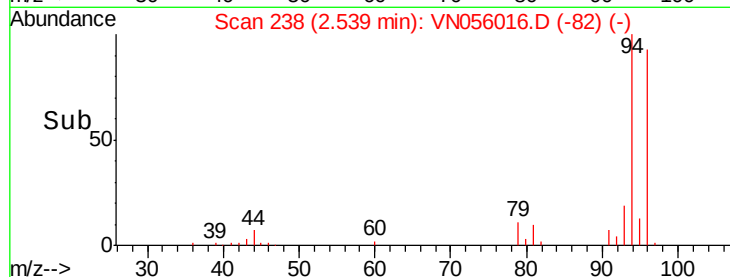
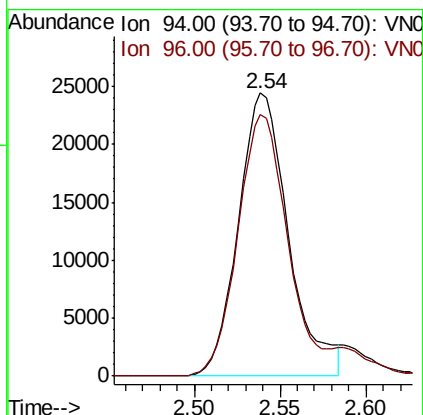
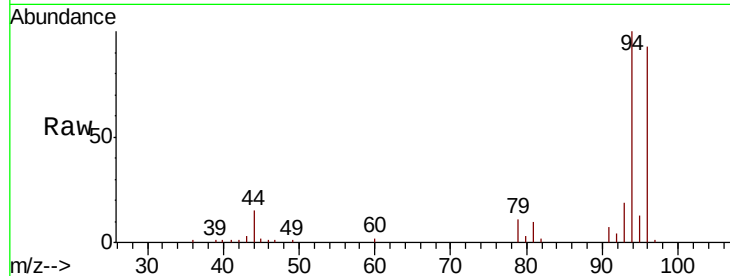




#5
Bromomethane
Concen: 22.977 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

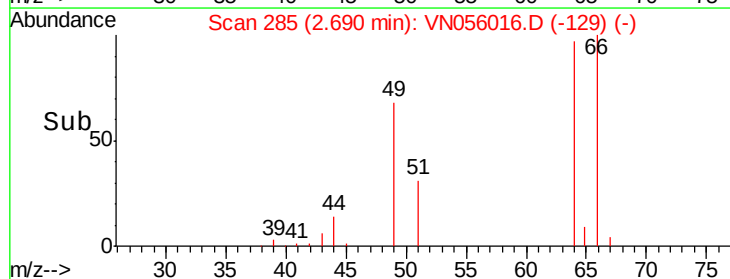
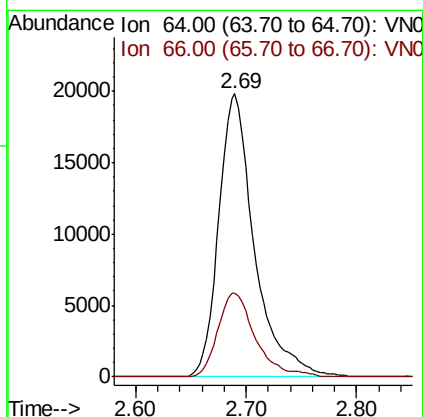
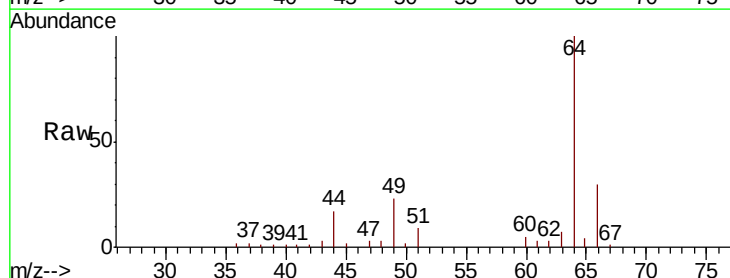
Instrument :
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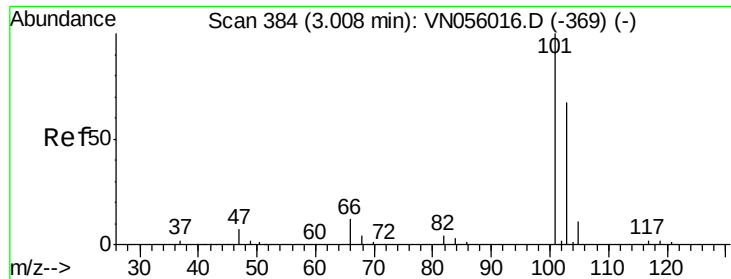
Tot Ion: 94 Resp: 49485
Ion Ratio Lower Upper
94 100
96 92.6 74.1 111.1



#6
Chloroethane
Concen: 21.343 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 64 Resp: 44483
Ion Ratio Lower Upper
64 100
66 29.6 23.7 35.5



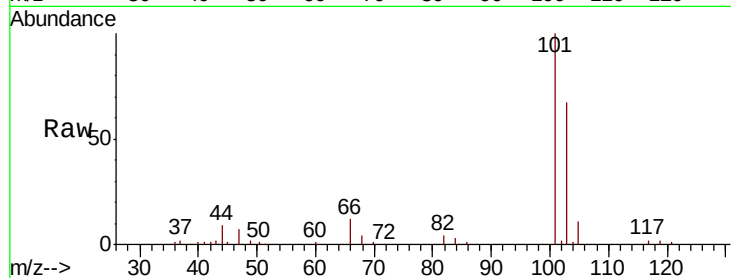


#7

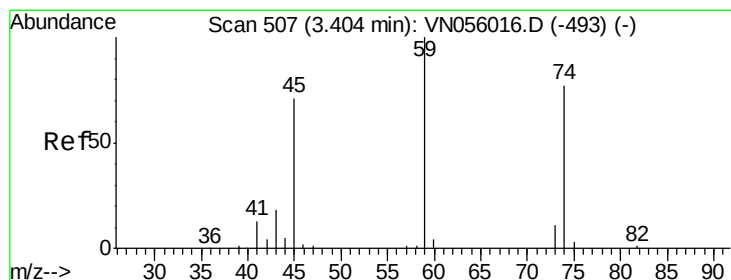
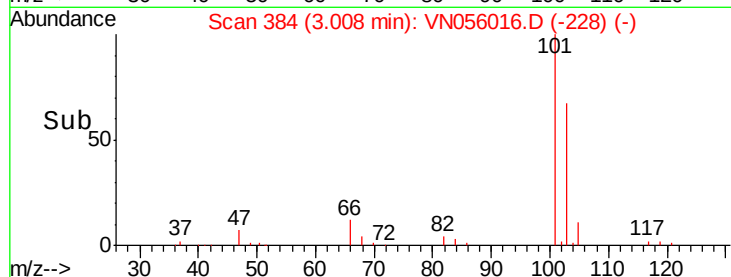
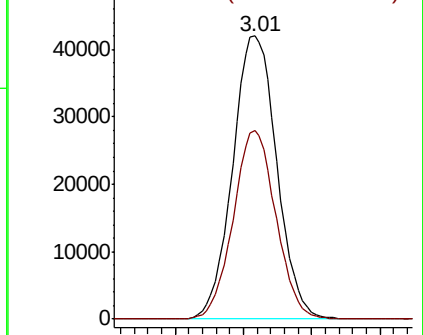
Trichlorofluoromethane
 Concen: 20.967 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
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Tot Ion:101 Resp: 94217
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.4 80.0



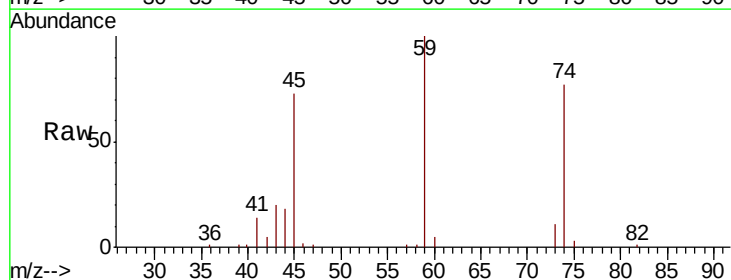
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



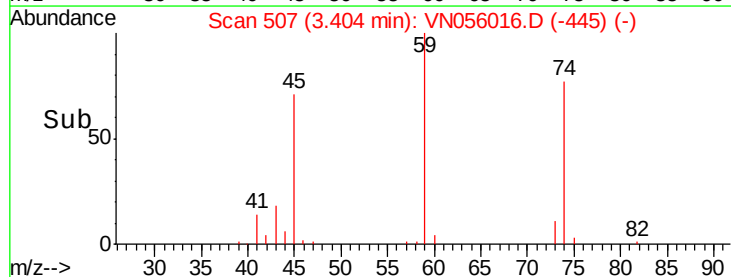
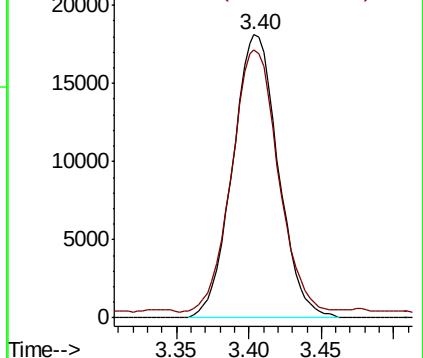
#8

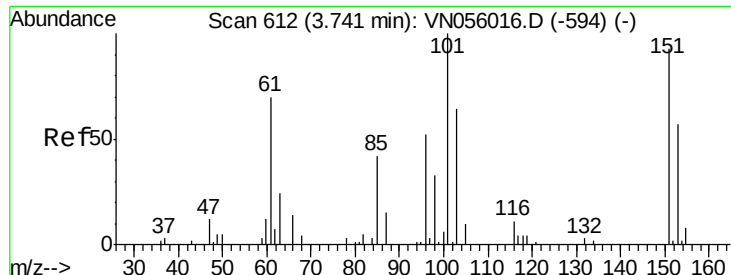
Diethyl Ether
 Concen: 20.217 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 74 Resp: 39500
 Ion Ratio Lower Upper
 74 100
 45 94.2 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: 20.515 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

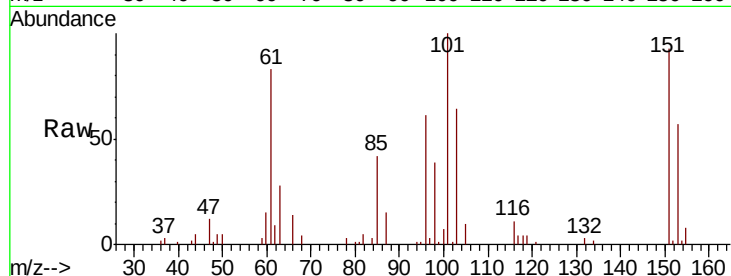
Tot Ion:101 Resp: 57766

Ion Ratio Lower Upper

101 100

85 41.0 0.0 82.0

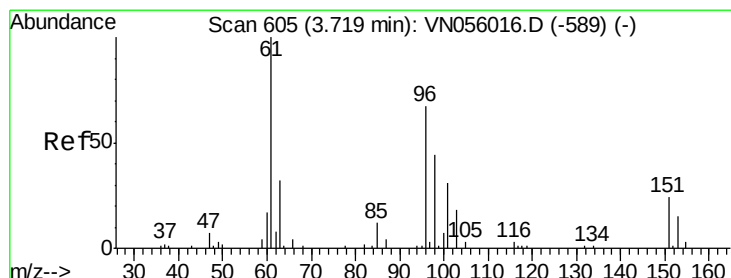
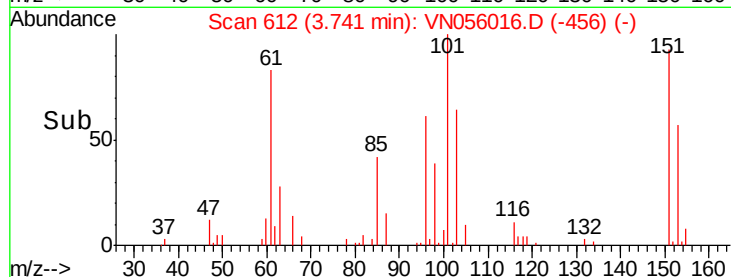
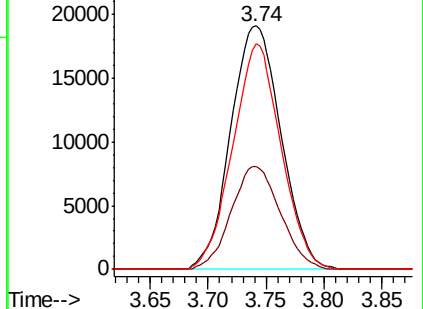
151 88.5 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.933 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN056016.D

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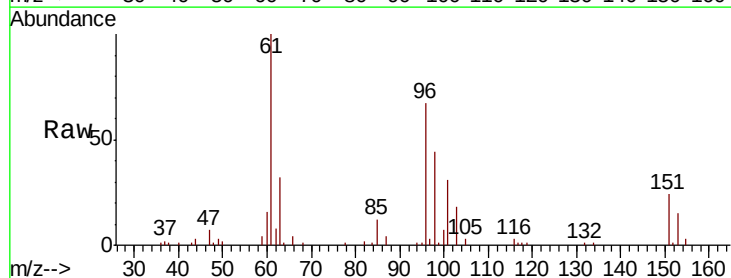
Tgt Ion: 96 Resp: 58282

Ion Ratio Lower Upper

96 100

61 149.6 119.7 179.5

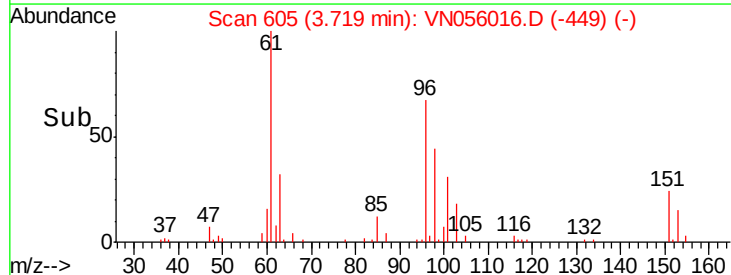
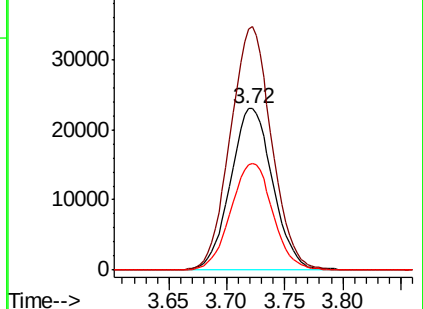
98 65.4 52.3 78.5

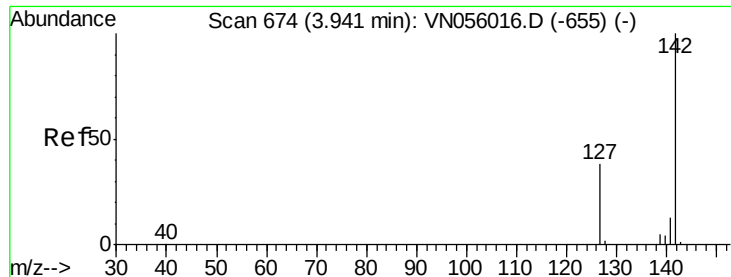


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

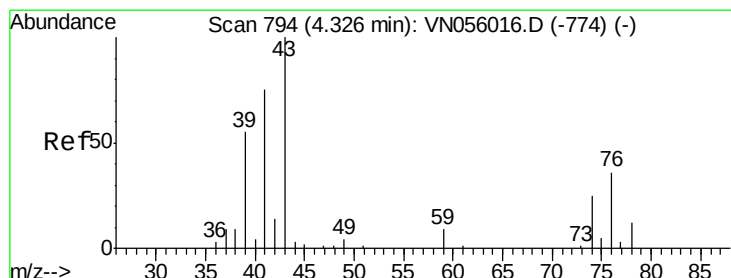
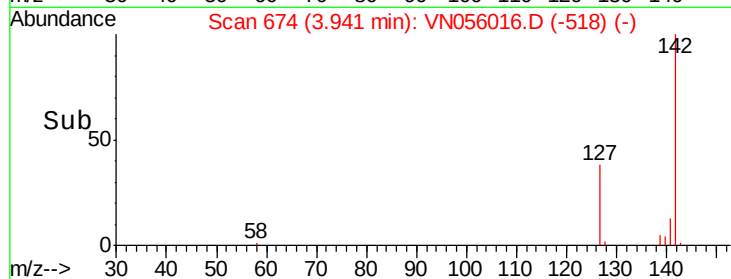
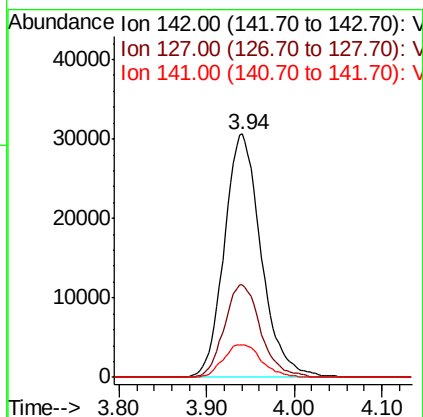
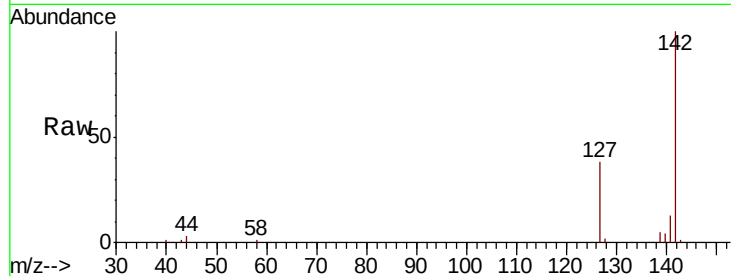




#11
Methyl Iodide
Concen: 21.008 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

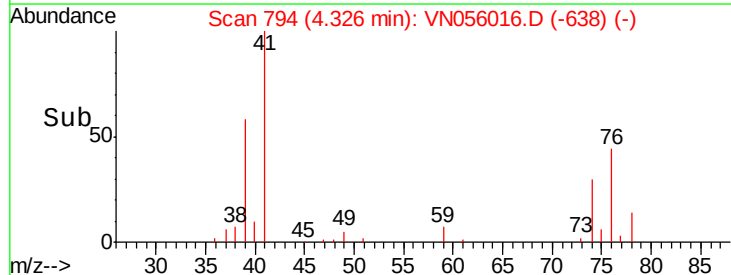
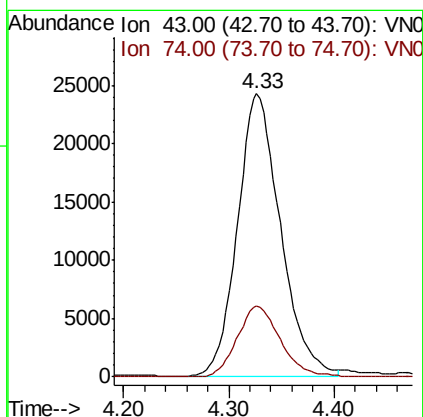
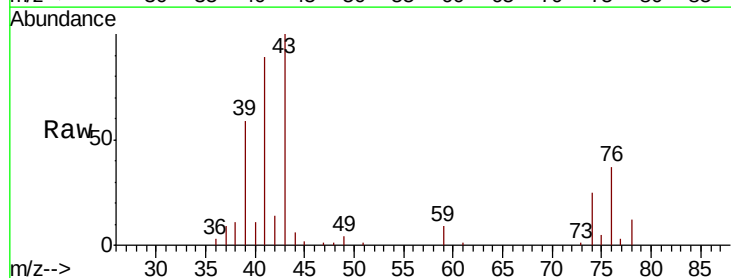
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

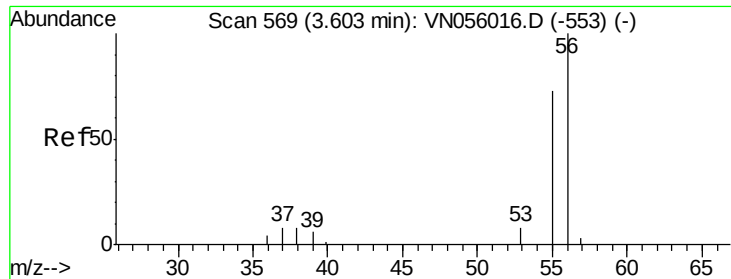
Tot Ion:142 Resp: 89354
Ion Ratio Lower Upper
142 100
127 38.0 19.0 57.0
141 13.3 6.7 20.0



#12
Methyl Acetate
Concen: 19.368 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 69040
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9





#13

Acrolein

Concen: 37.436 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

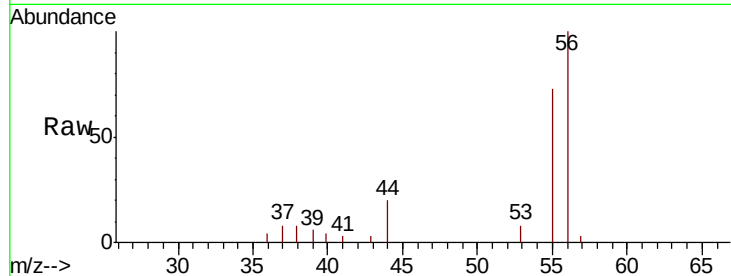
VSTDICCC020

Tot Ion: 56 Resp: 16287

Ion Ratio Lower Upper

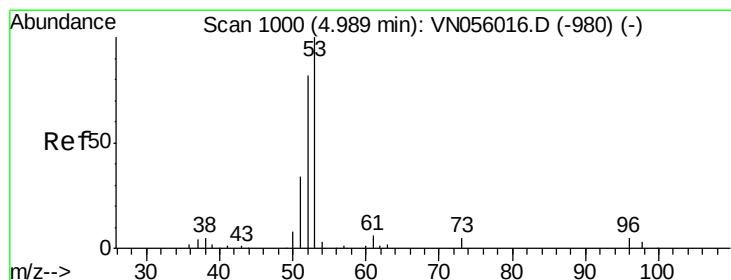
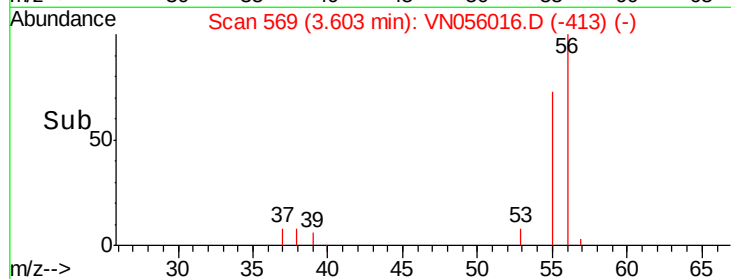
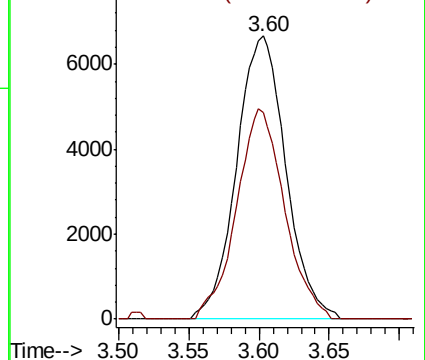
56 100

55 72.4 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.146 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

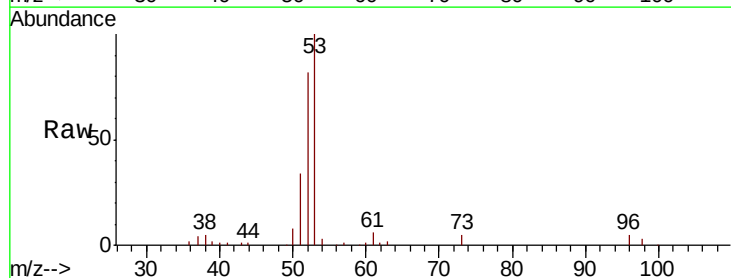
Tgt Ion: 53 Resp: 154939

Ion Ratio Lower Upper

53 100

52 81.5 40.8 122.2

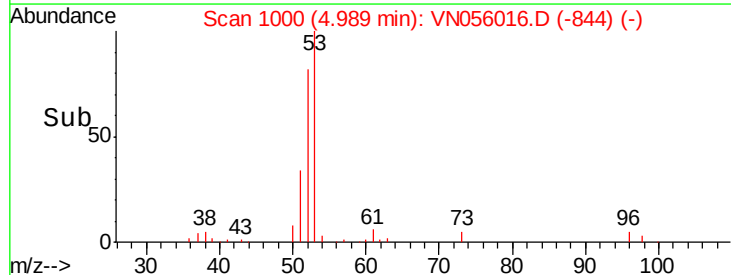
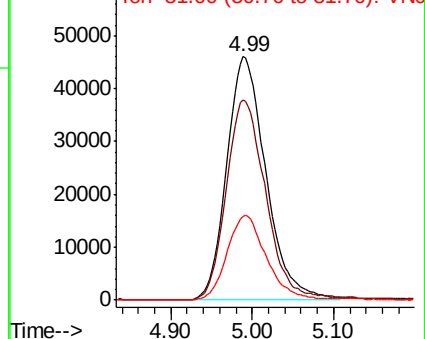
51 34.7 17.3 52.0

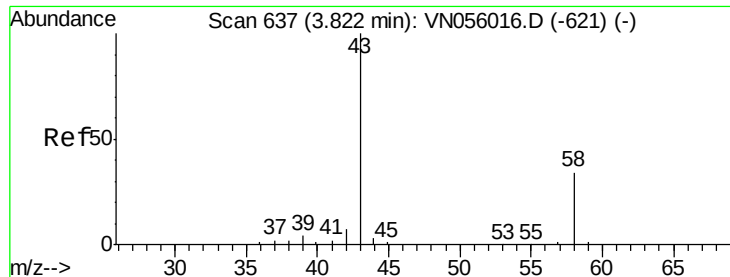


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.438 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

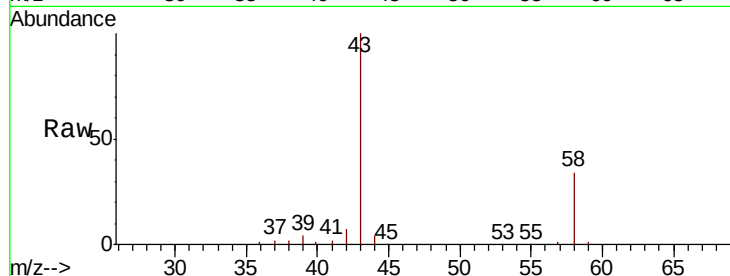
VSTDICCC020

Tot Ion: 58 Resp: 54756

Ion Ratio Lower Upper

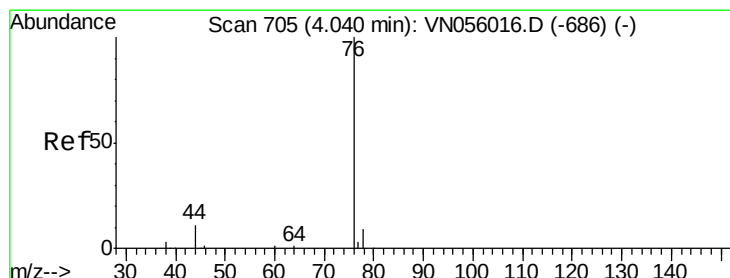
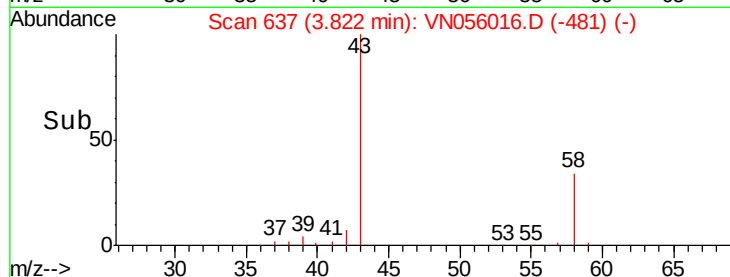
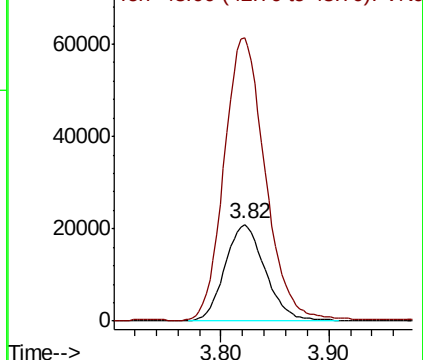
58 100

43 290.6 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.160 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056016.D

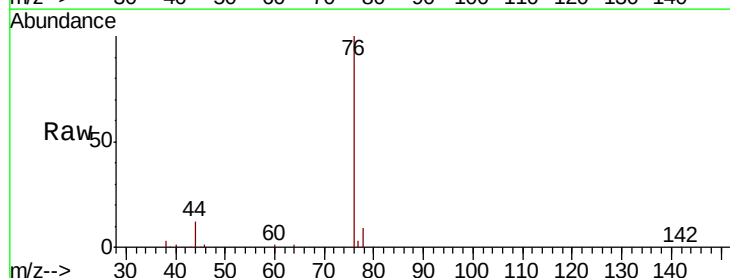
Acq: 5 Jun 2019 19:18

Tgt Ion: 76 Resp: 129424

Ion Ratio Lower Upper

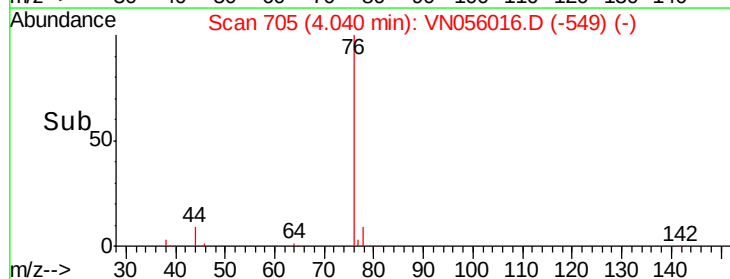
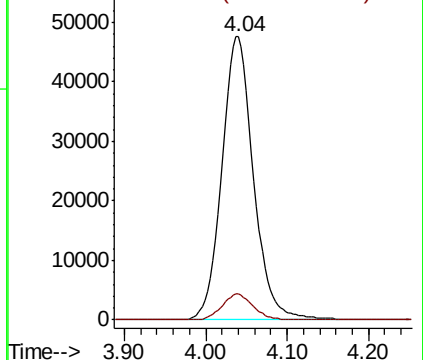
76 100

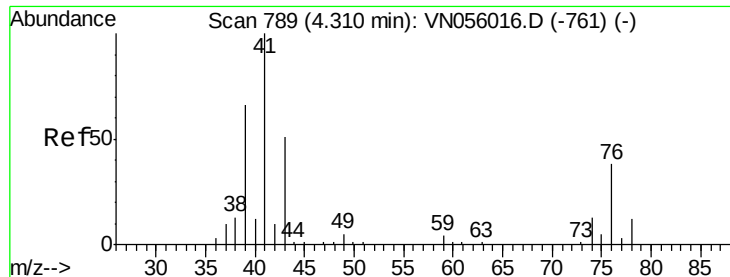
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

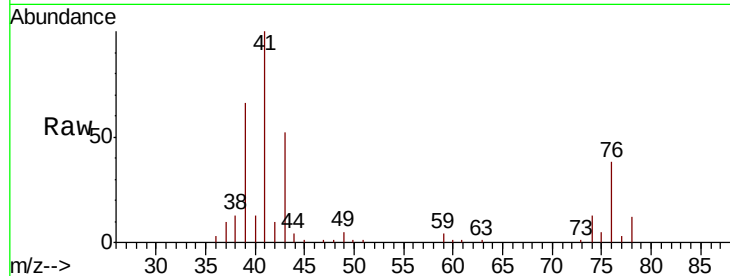




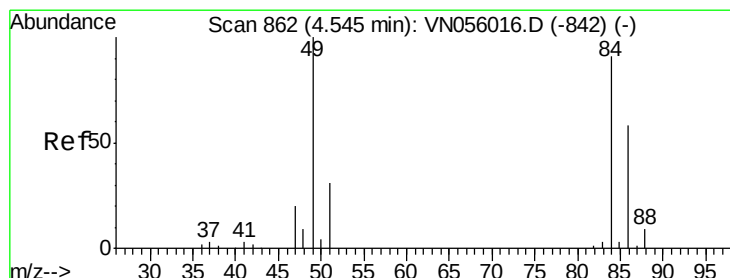
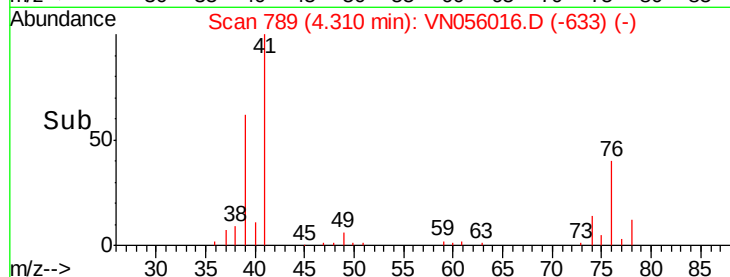
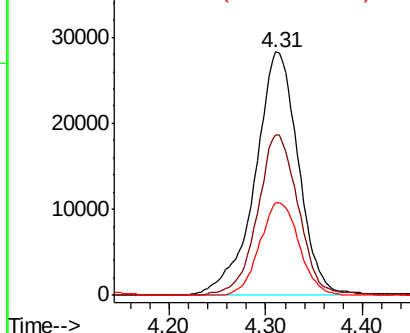
#17
Allvl chloride
Concen: 17.174 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 41 Resp: 87579
Ion Ratio Lower Upper
41 100
39 66.0 33.0 99.0
76 37.9 18.9 56.9



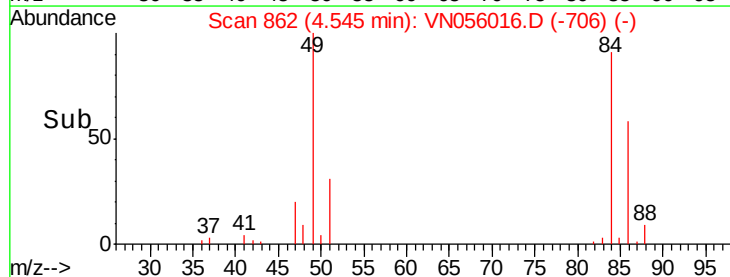
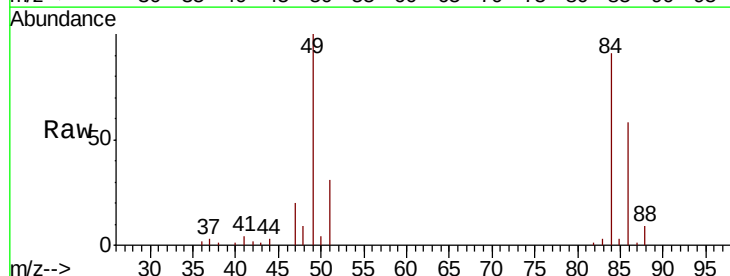
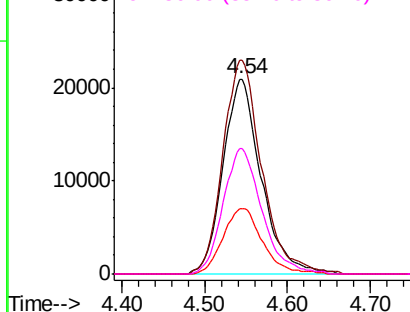
Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0

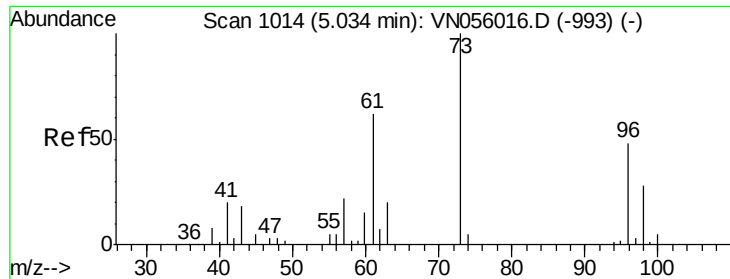


#18
Methylene Chloride
Concen: 19.998 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 84 Resp: 67035
Ion Ratio Lower Upper
84 100
49 109.5 87.6 131.4
51 33.7 27.0 40.4
86 64.0 51.2 76.8

Abundance Ion 84.00 (83.70 to 84.70): VN0
Ion 49.00 (48.70 to 49.70): VN0
Ion 51.00 (50.70 to 51.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

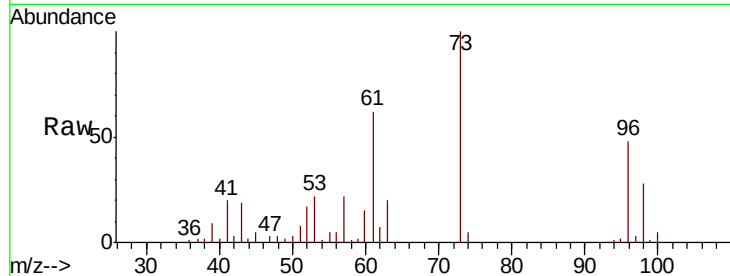




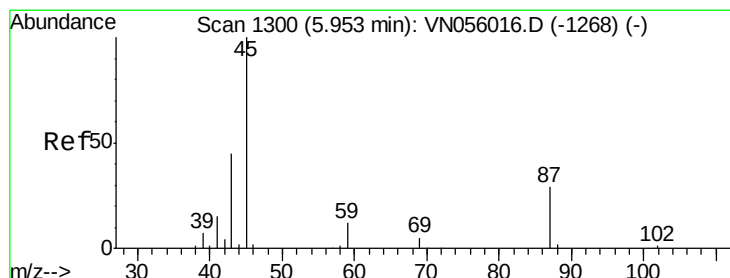
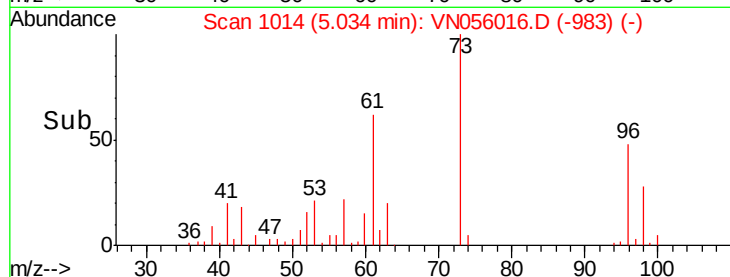
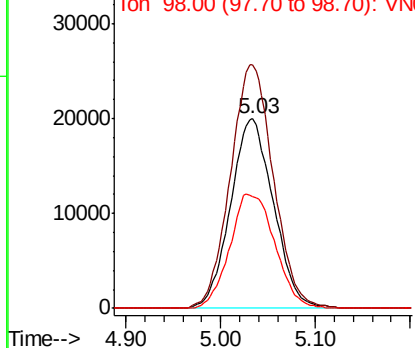
#19
trans-1,2-Dichloroethene
Concen: 20.051 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 63038
Ion Ratio Lower Upper
96 100
61 128.1 102.5 153.7
98 58.6 46.9 70.3

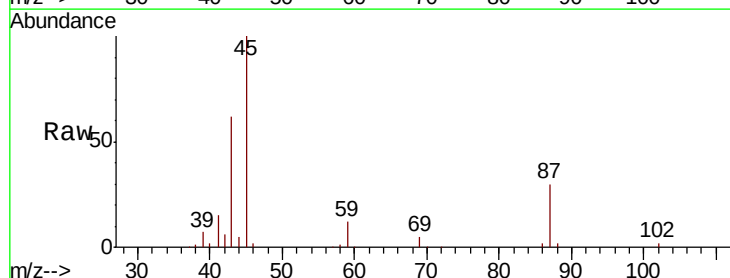


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

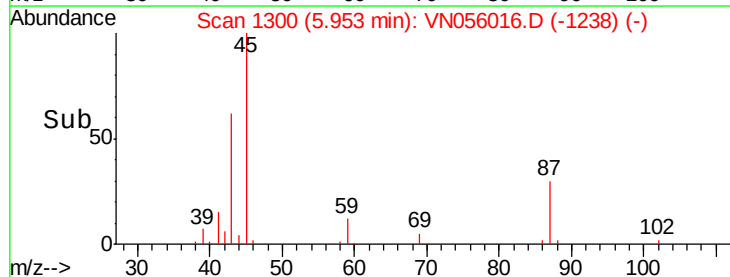
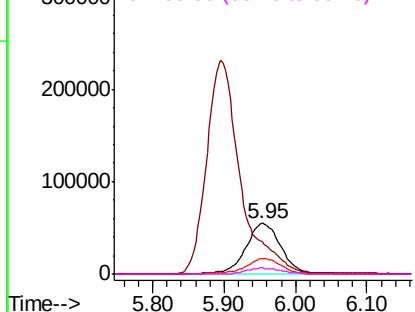


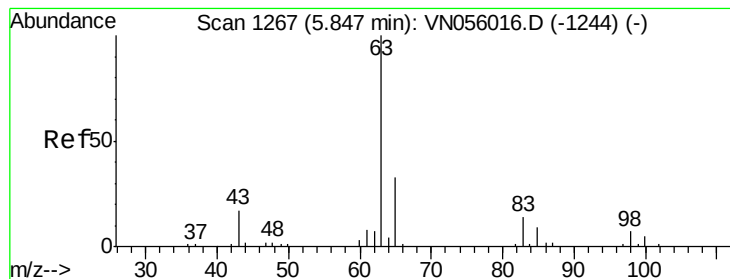
#20
Diisopropyl ether
Concen: 18.656 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 45 Resp: 188061
Ion Ratio Lower Upper
45 100
43 60.0 48.0 72.0
87 29.3 23.4 35.2
59 11.5 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.995 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

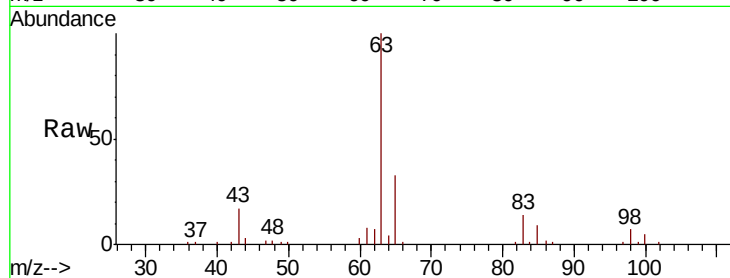
Tot Ion: 63 Resp: 108305

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

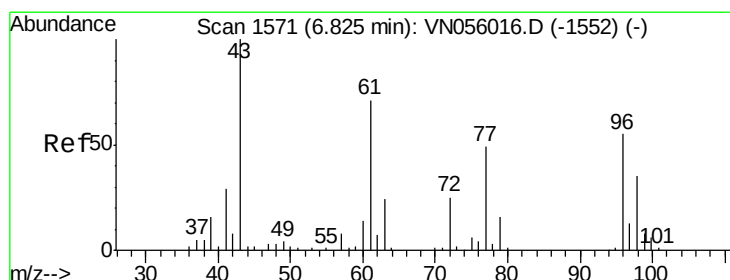
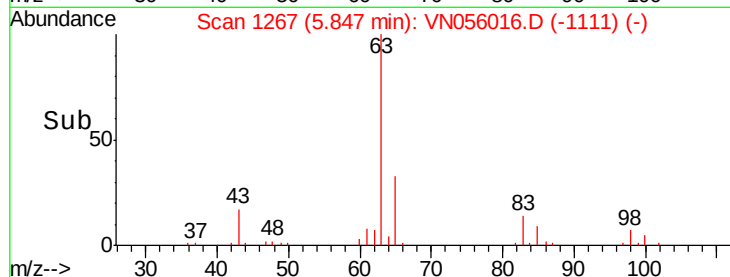
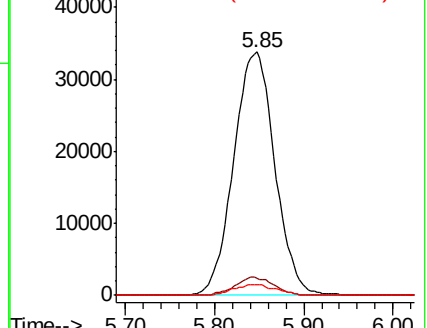
100 4.6 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VN056016.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.844 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

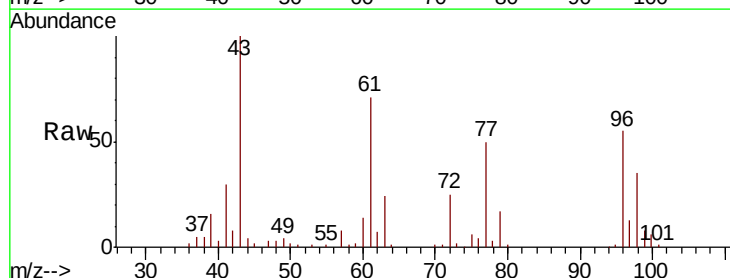
Tgt Ion: 96 Resp: 72783

Ion Ratio Lower Upper

96 100

61 132.1 105.7 158.5

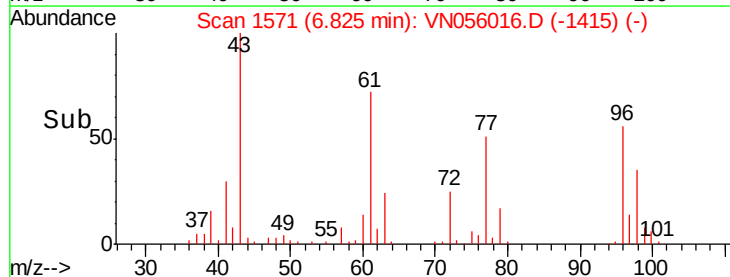
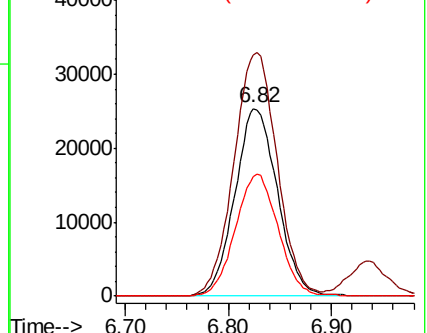
98 65.0 52.0 78.0

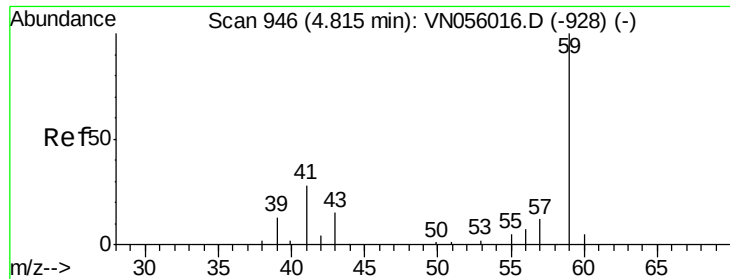


Abundance Ion 96.00 (95.70 to 96.70): VN056016.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN056016.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1552) (-)

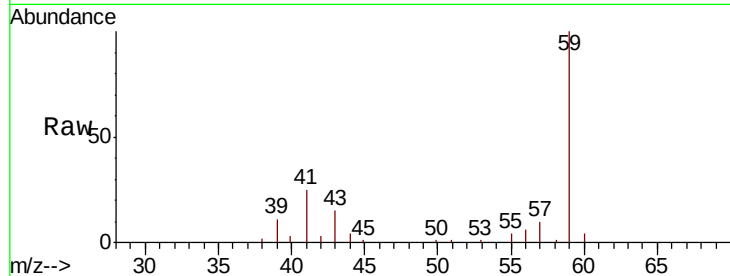




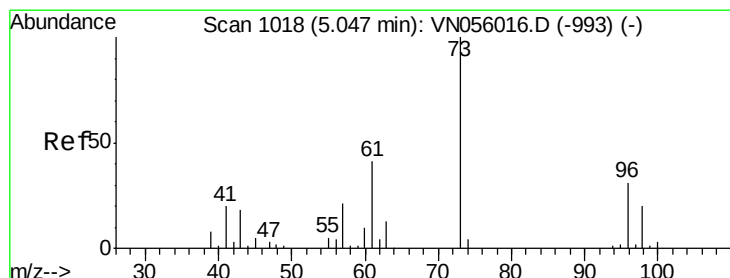
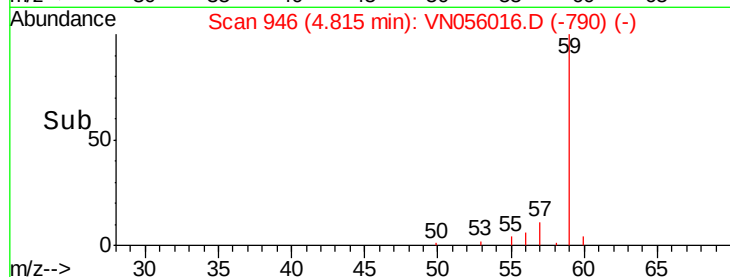
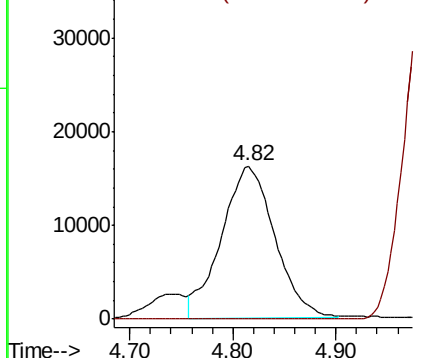
#23
tert-Butyl Alcohol
Concen: 85.089 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 59 Resp: 58675
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

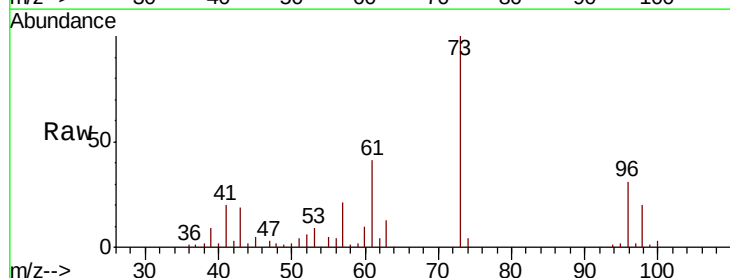


Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

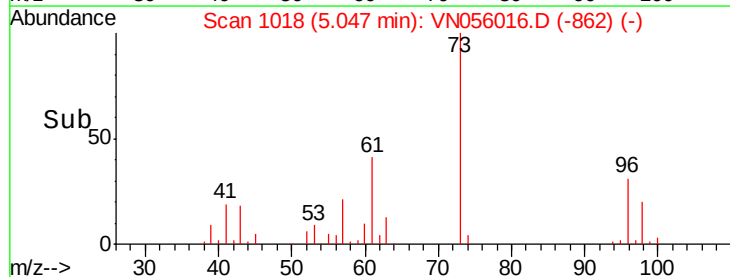
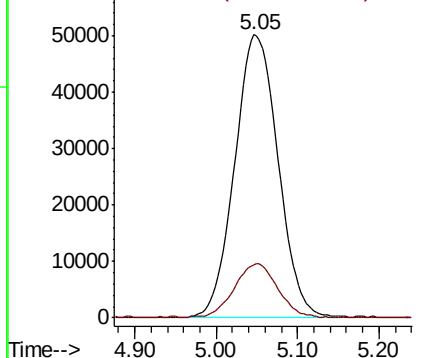


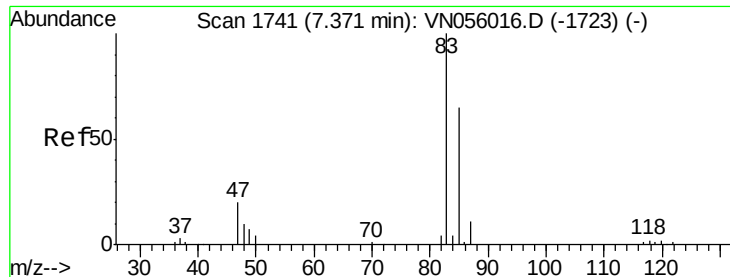
#24
Methyl tert-Butyl Ether
Concen: 18.938 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 73 Resp: 185474
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0



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

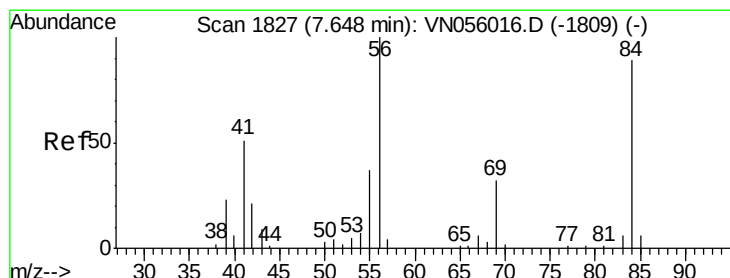
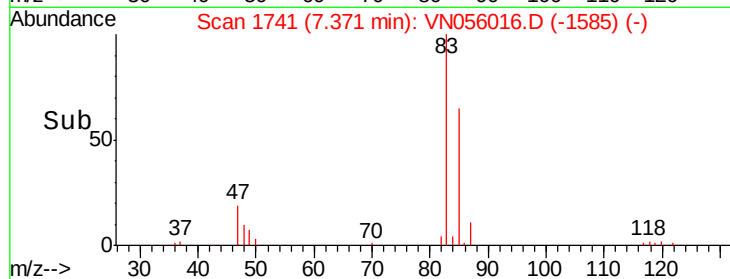
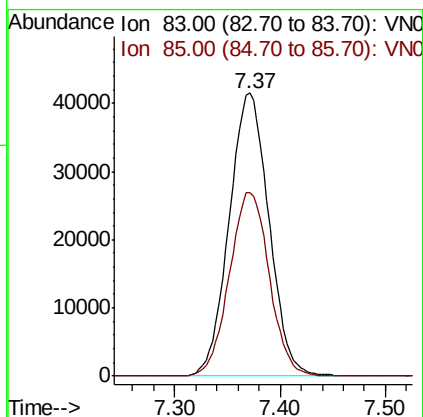
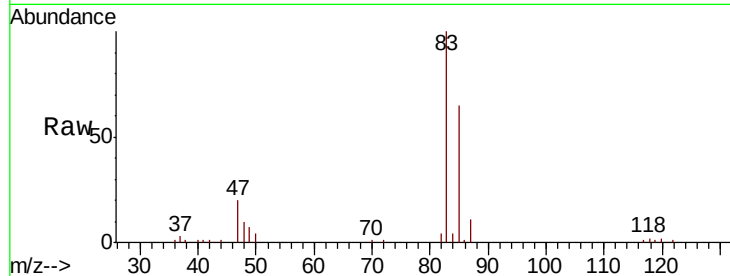




#25
Chloroform
Concen: 19.237 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

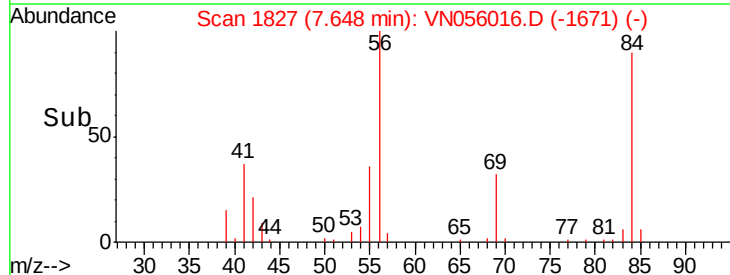
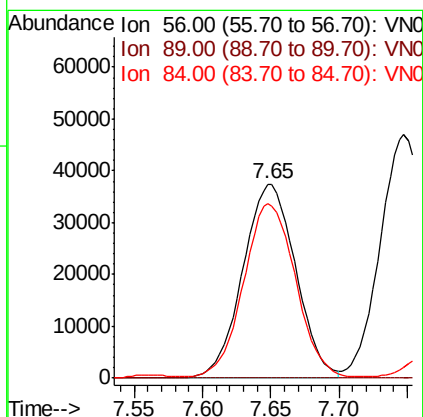
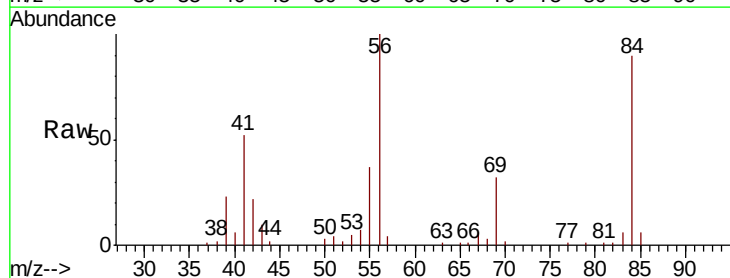
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

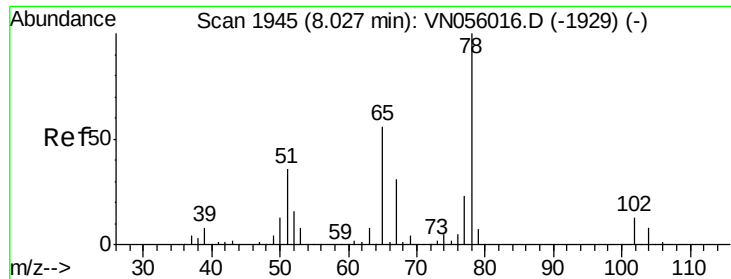
Tot Ion: 83 Resp: 108766
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0



#26
Cyclohexane
Concen: 19.040 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 56 Resp: 100487
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.6 70.1 105.1

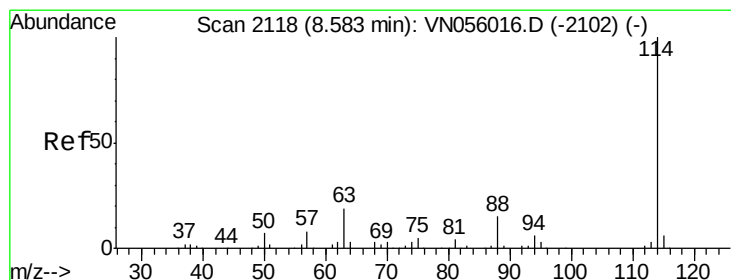
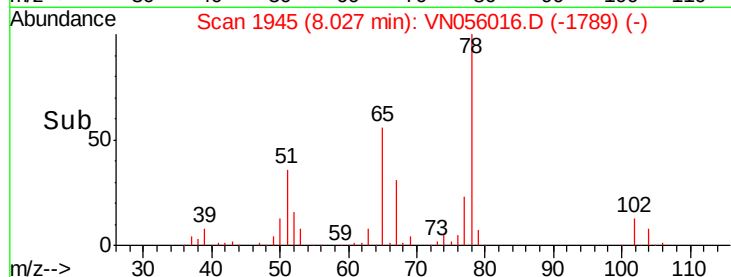
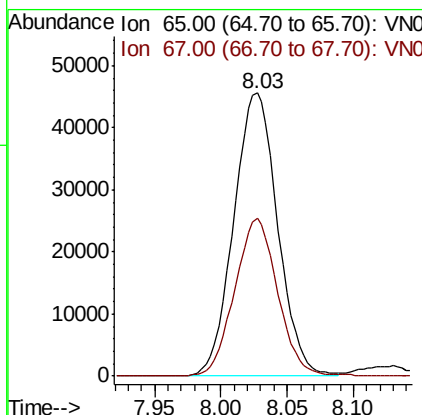
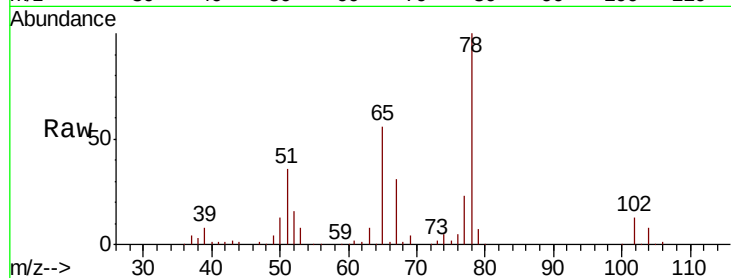




#27
 1,2-Dichloroethane-d4
 Concen: 29.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

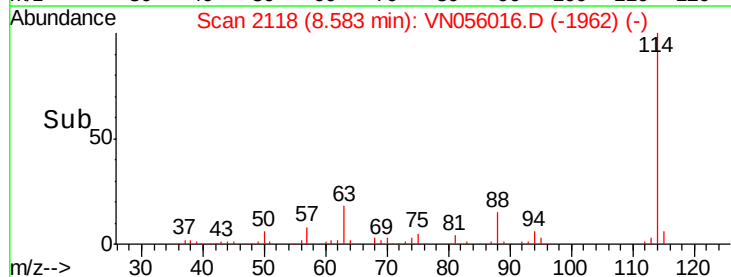
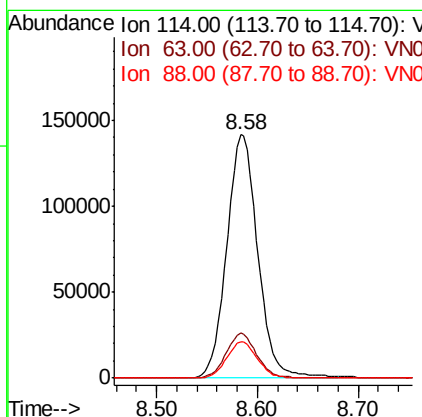
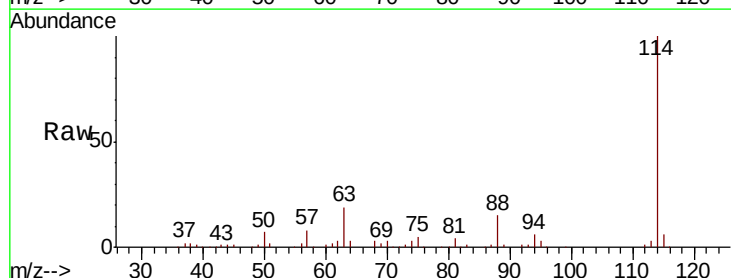
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

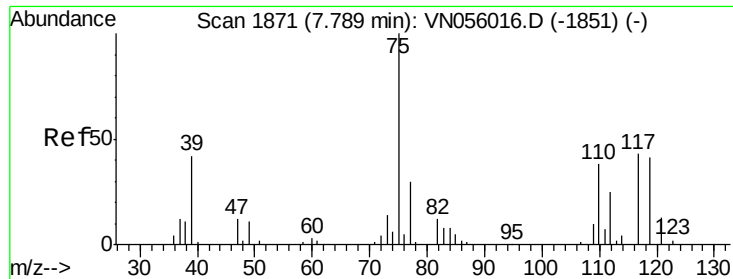
Tot Ion: 65 Resp: 104989
 Ion Ratio Lower Upper
 65 100
 67 54.3 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 114 Resp: 303903
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 14.9 11.9 17.9

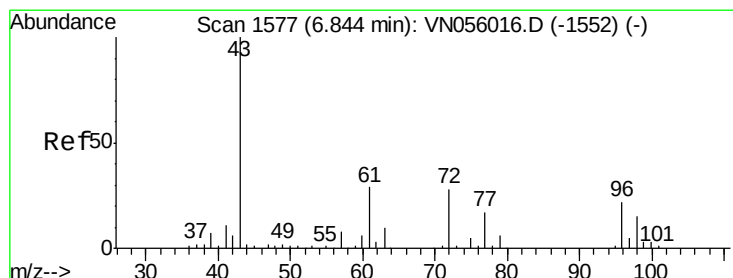
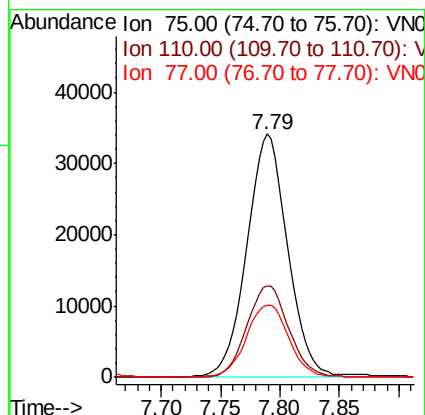
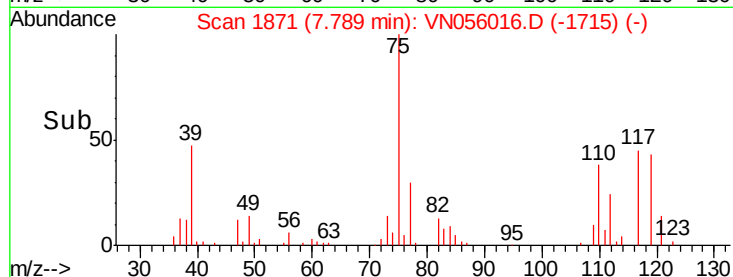
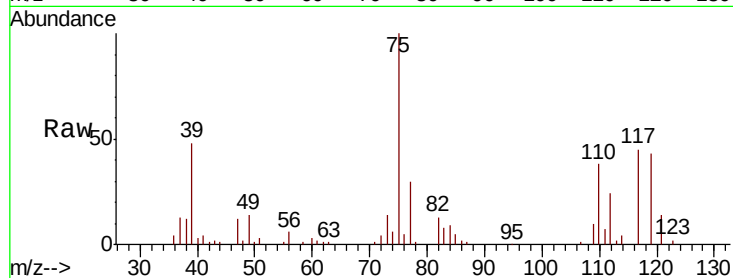




#29
 1,1-Dichloropropene
 Concen: 19.252 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

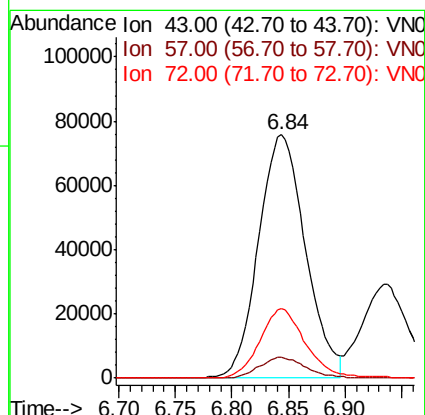
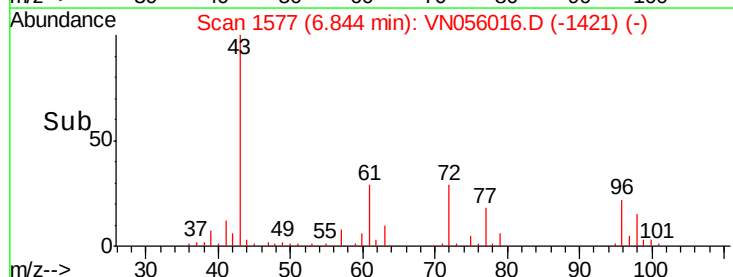
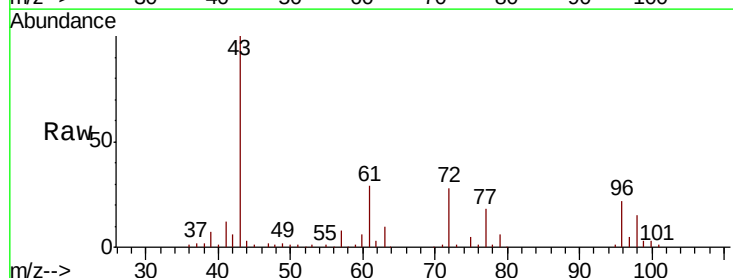
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

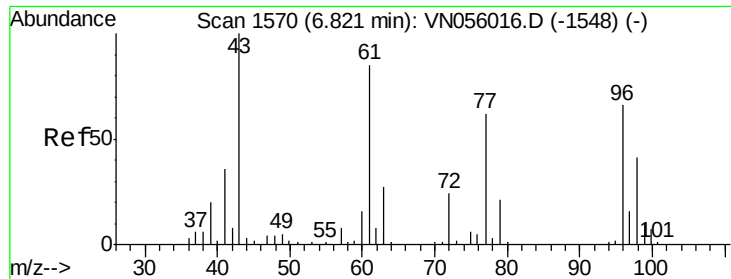
Tot Ion: 75 Resp: 81022
 Ion Ratio Lower Upper
 75 100
 110 38.5 0.0 77.0
 77 31.2 0.0 62.4



#30
 2-Butanone
 Concen: 97.441 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 217889
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.7 10.1
 72 28.0 22.4 33.6

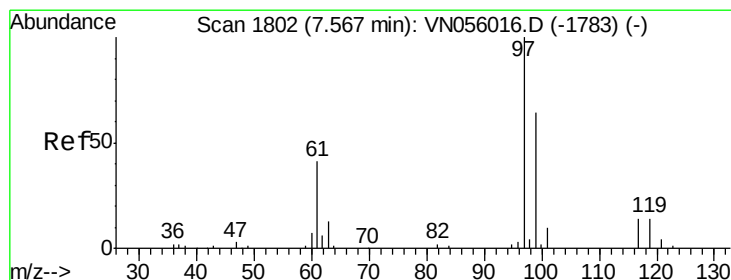
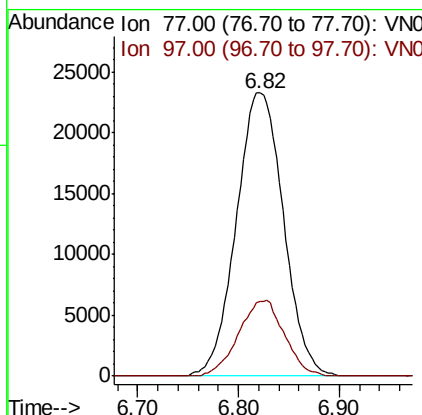
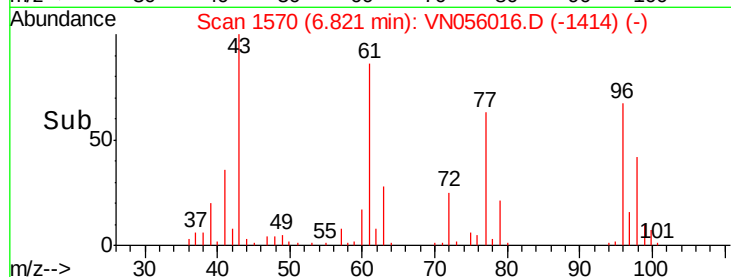
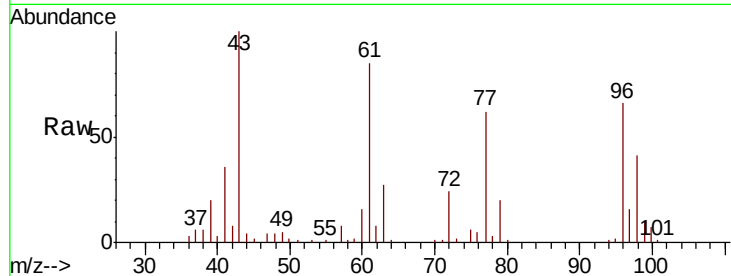




#31
 2,2-Dichloropropane
 Concen: 16.147 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

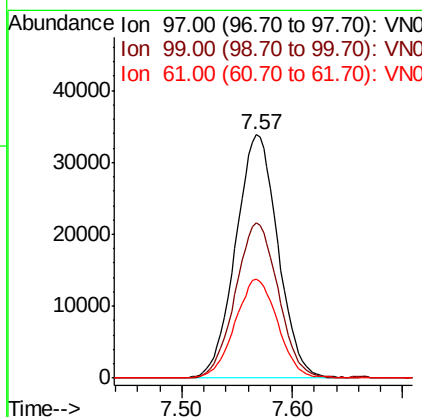
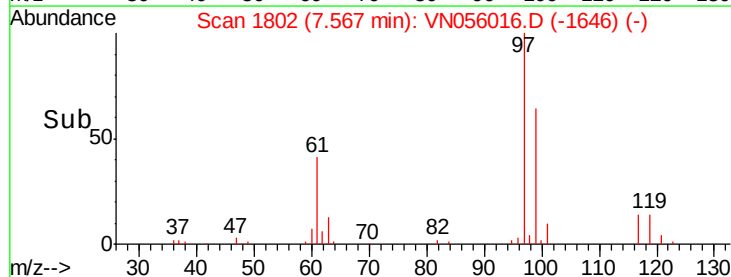
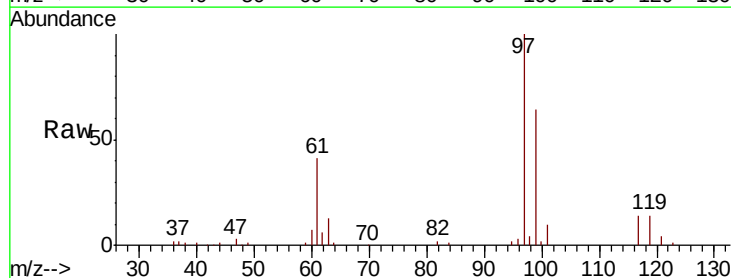
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

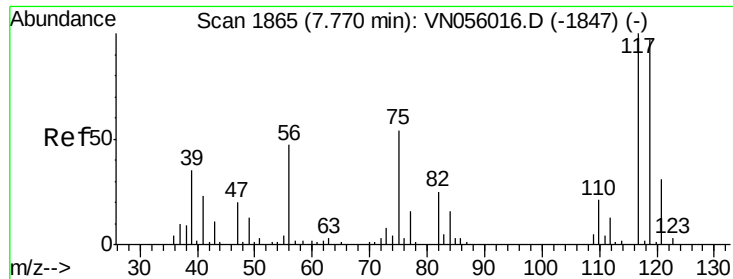
Tot Ion: 77 Resp: 75574
 Ion Ratio Lower Upper
 77 100
 97 26.0 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 18.241 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 97 Resp: 89702
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 41.1 32.9 49.3





#33

Carbon Tetrachloride

Concen: 17.153 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

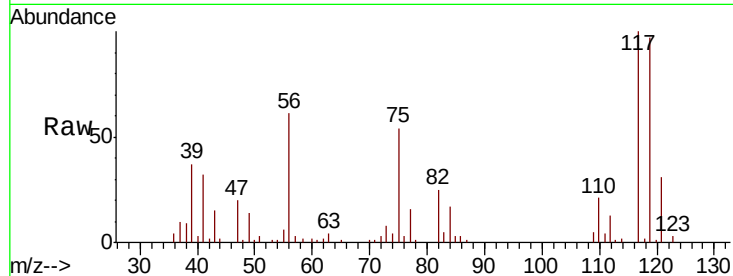
Tot Ion:117 Resp: 74393

Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9

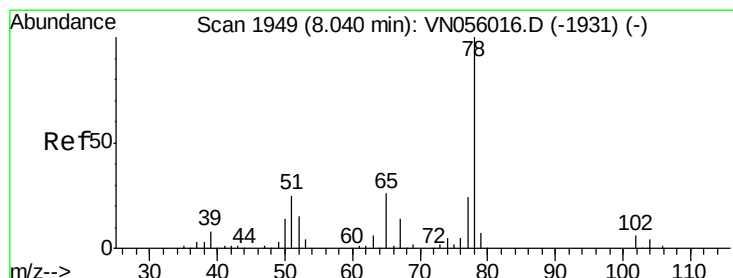
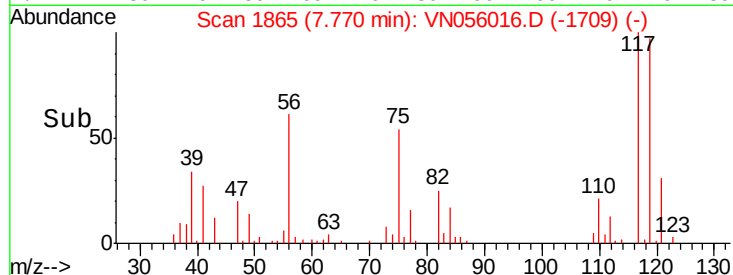
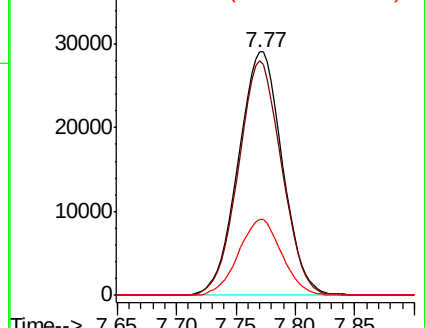
121 31.2 25.0 37.4



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: 19.914 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

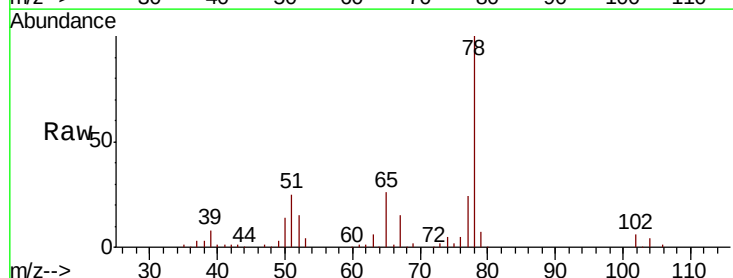
Tgt Ion: 78 Resp: 260640

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

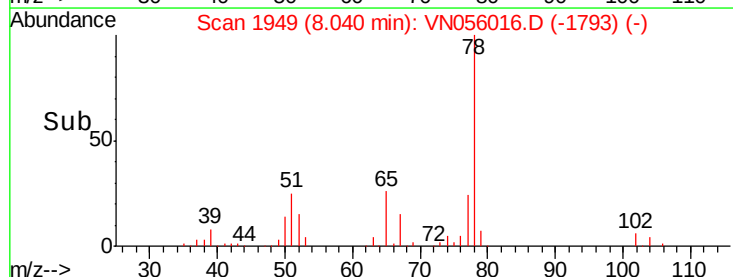
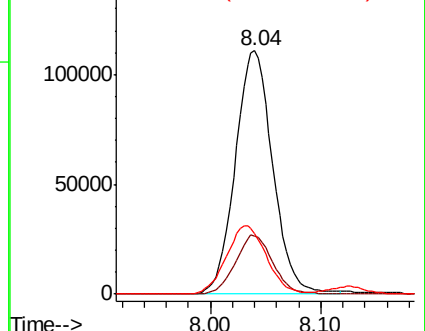
51 24.8 19.8 29.8

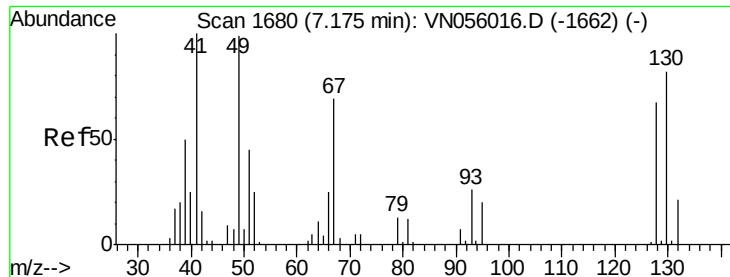


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

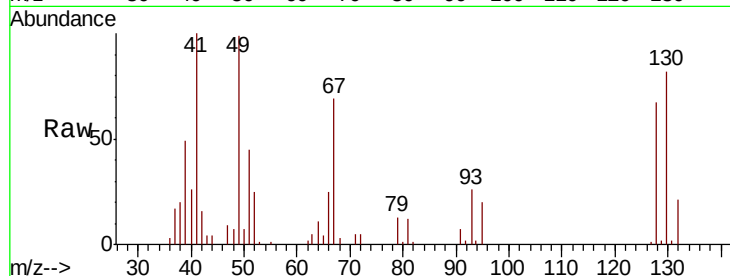




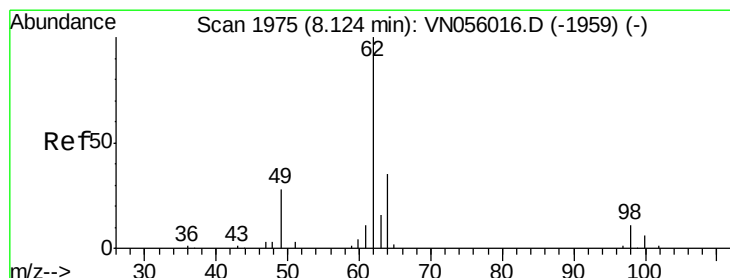
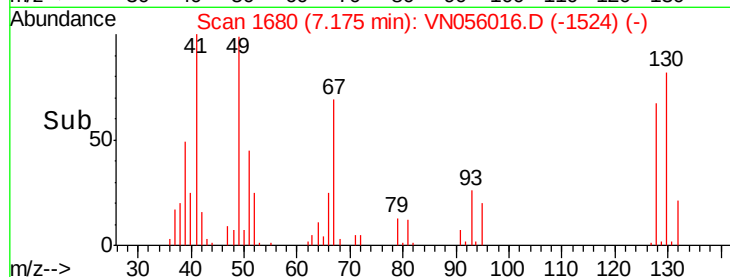
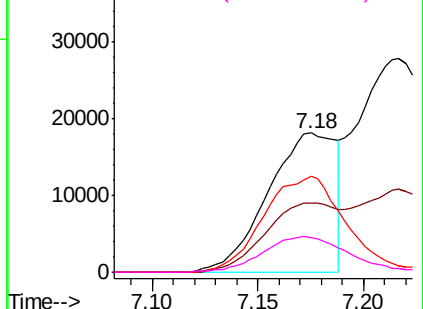
#35
Methacrylonitrile
Concen: 19.503 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 41 Resp: 40640
Ion Ratio Lower Upper
41 100
39 49.5 24.8 74.3
67 68.6 34.3 102.9
52 25.2 12.6 37.8

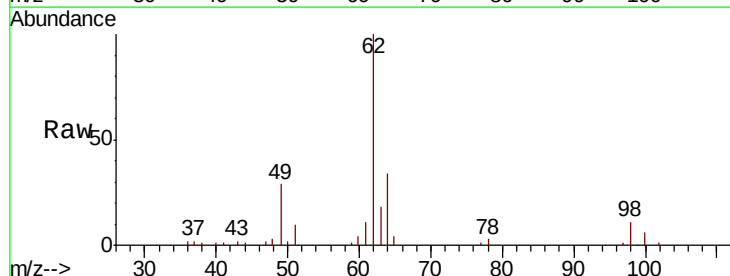


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

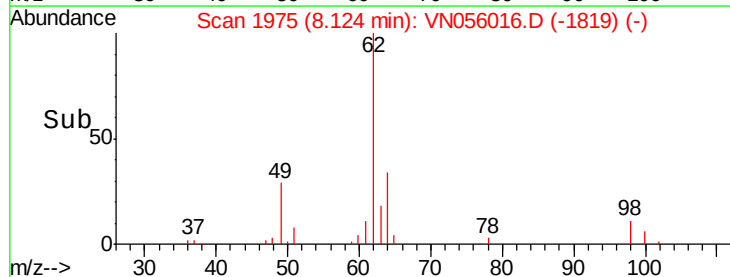
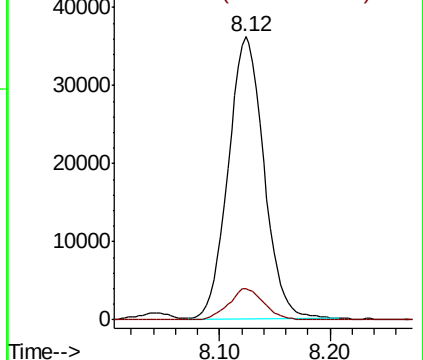


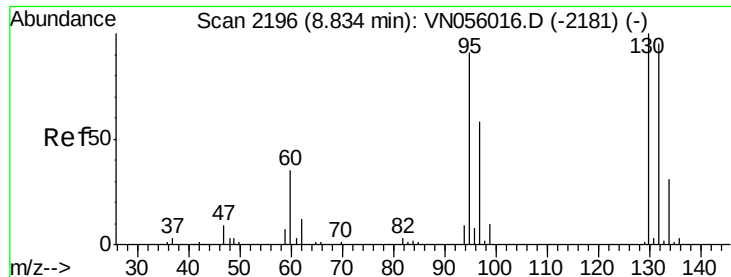
#36
1,2-Dichloroethane
Concen: 19.153 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 62 Resp: 81067
Ion Ratio Lower Upper
62 100
98 10.8 8.6 13.0



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

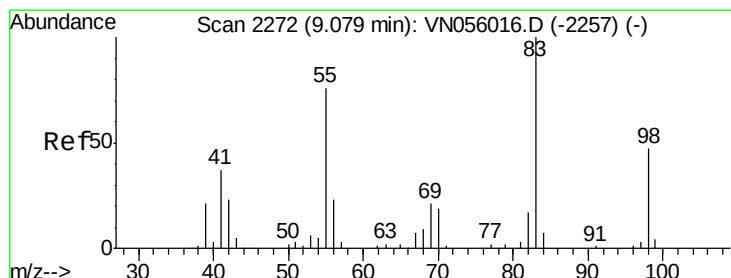
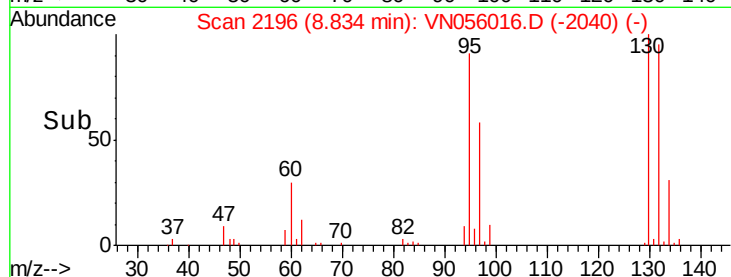
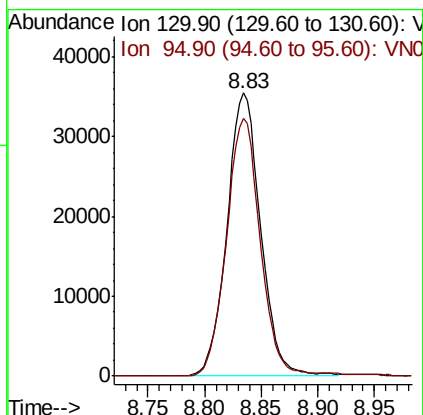
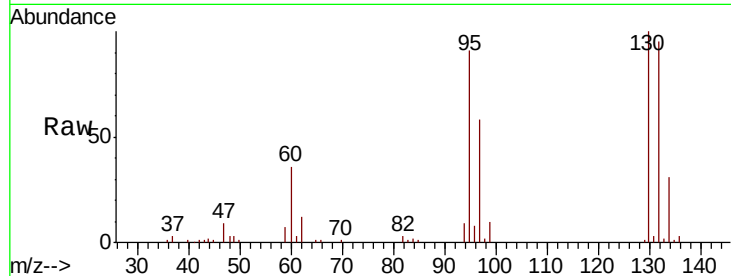




#37
 Trichloroethene
 Concen: 20.098 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

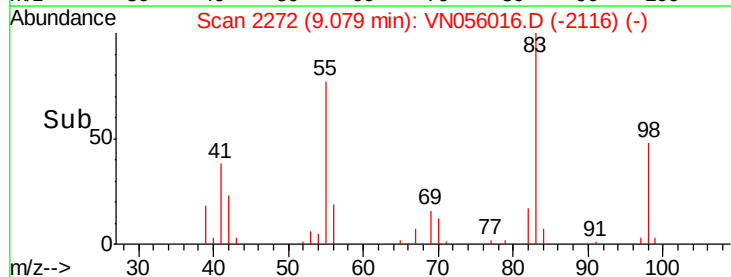
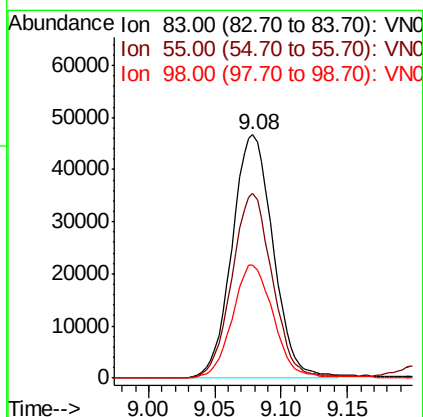
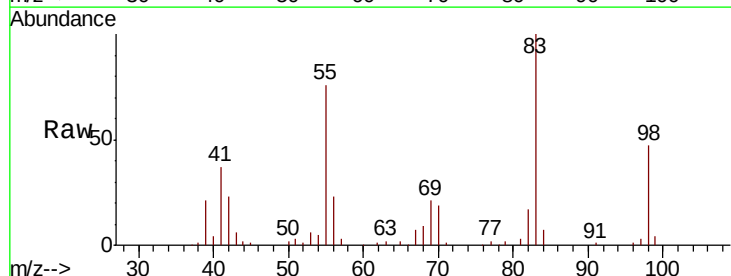
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

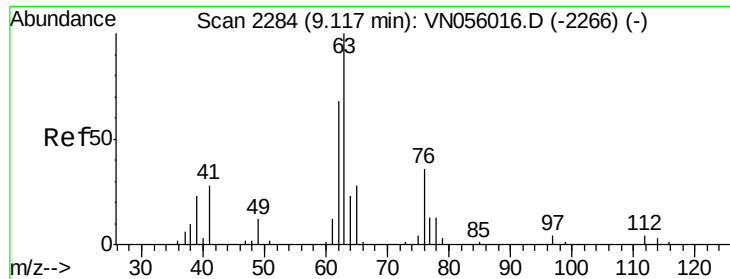
Tot Ion:130 Resp: 73610
 Ion Ratio Lower Upper
 130 100
 95 91.3 73.0 109.6



#38
 Methylcyclohexane
 Concen: 18.869 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 83 Resp: 100577
 Ion Ratio Lower Upper
 83 100
 55 75.1 37.5 112.7
 98 46.2 23.1 69.3

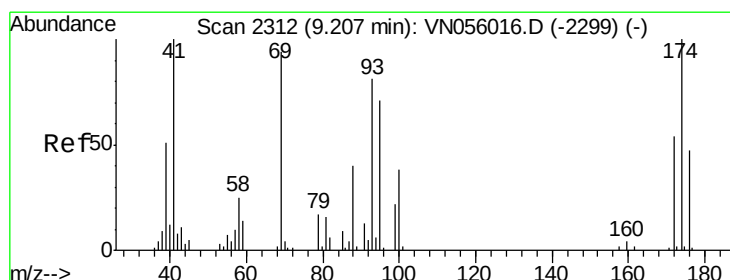
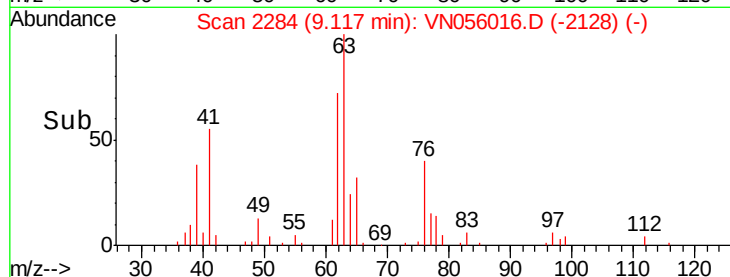
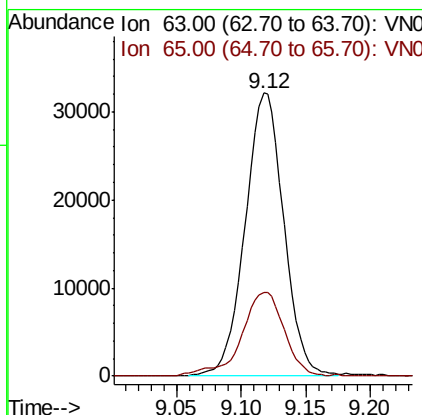
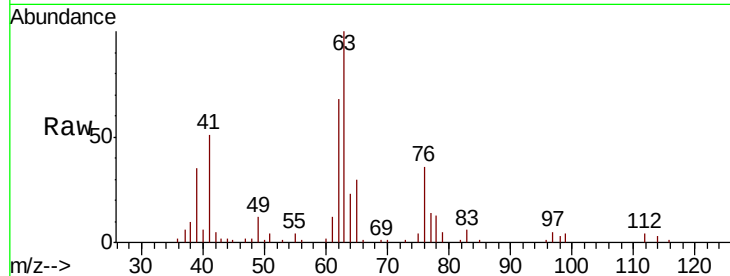




#39
 1,2-Dichloropropane
 Concen: 19.271 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

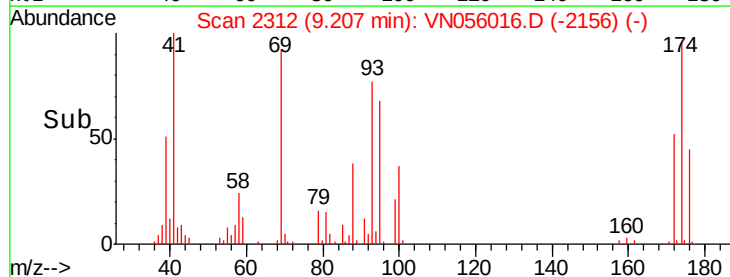
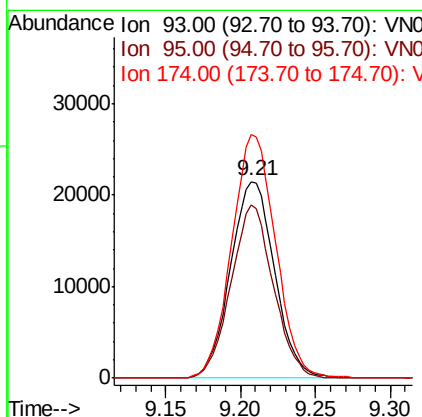
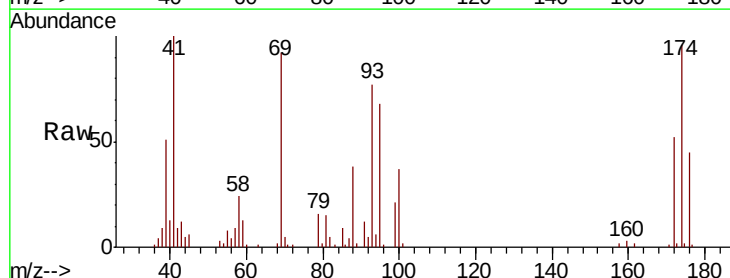
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

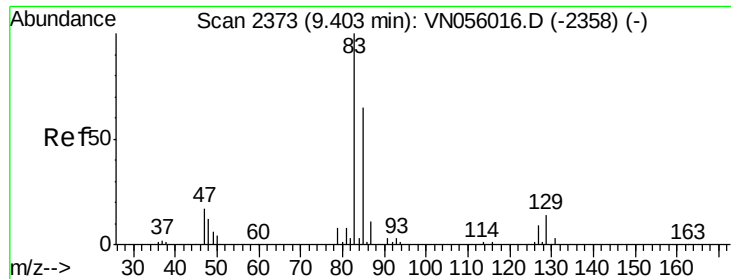
Tot Ion: 63 Resp: 67231
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.1 34.7



#40
 Dibromomethane
 Concen: 19.447 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 93 Resp: 44079
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 169.0
 174 123.2 0.0 246.4





#41

Bromodichloromethane

Concen: 17.031 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

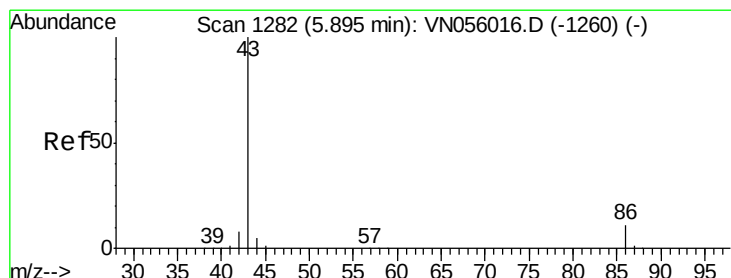
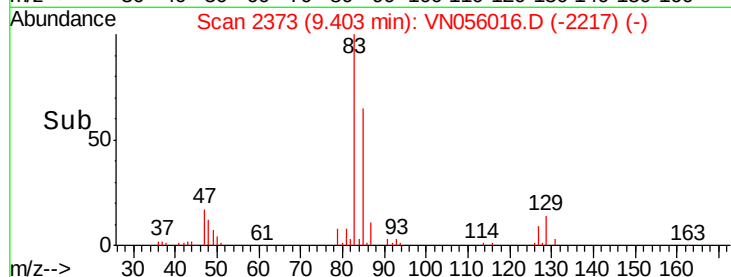
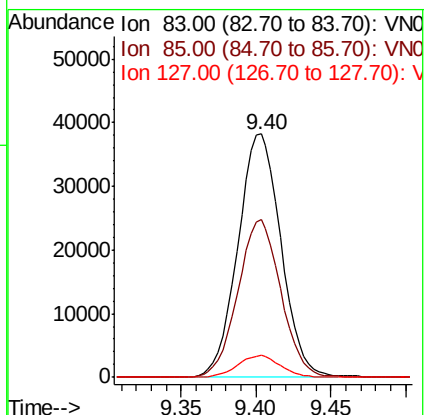
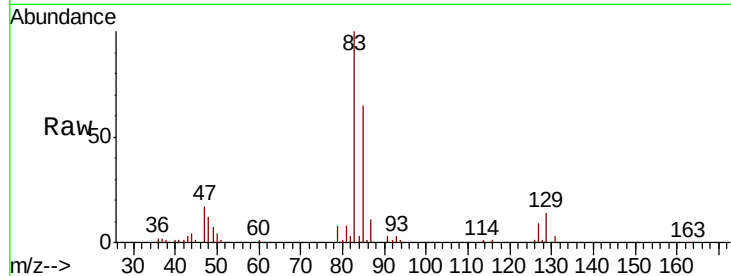
Tot Ion: 83 Resp: 76549

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

127 9.1 7.3 10.9



#42

Vinyl Acetate

Concen: 89.260 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056016.D

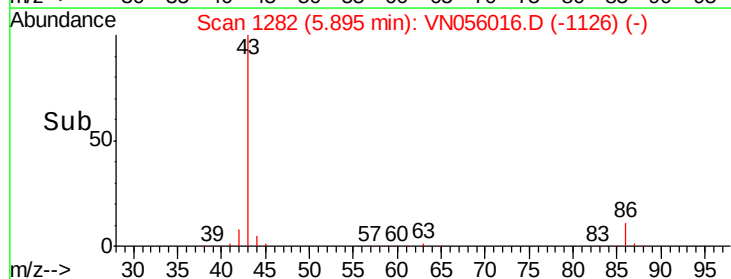
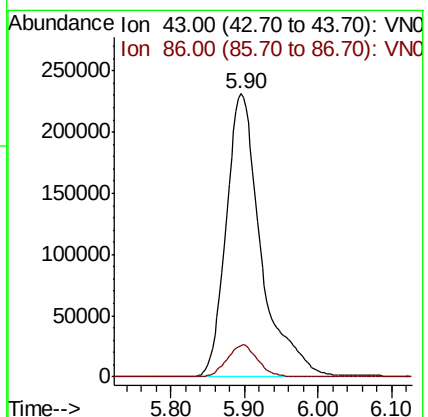
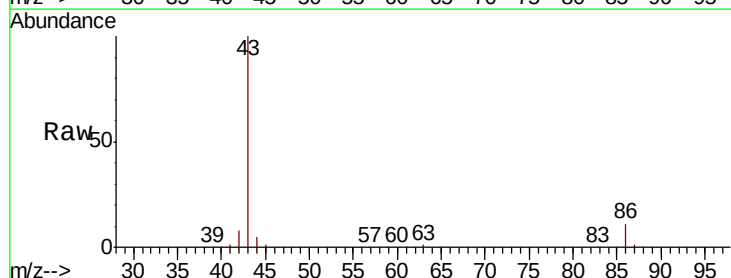
Acq: 5 Jun 2019 19:18

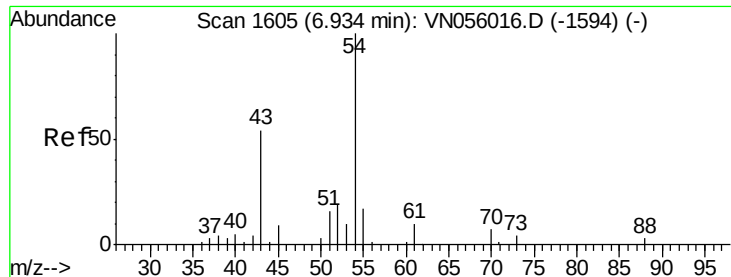
Tgt Ion: 43 Resp: 761051

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9

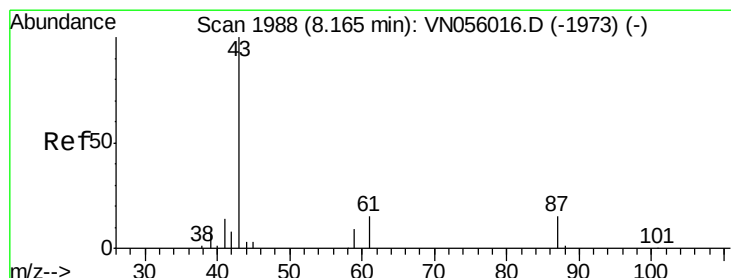
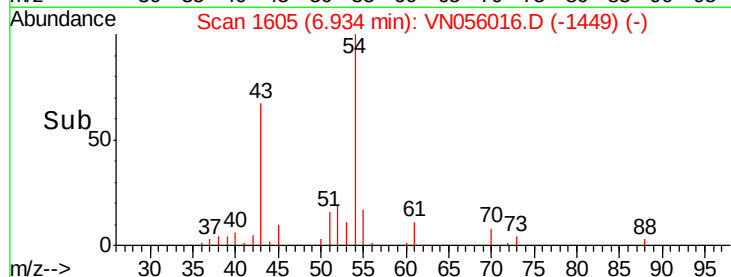
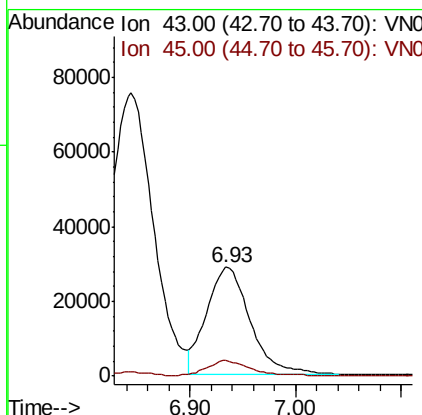
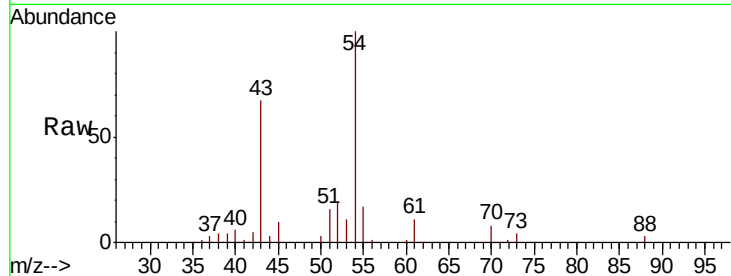




#43
Ethyl Acetate
Concen: 18.885 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

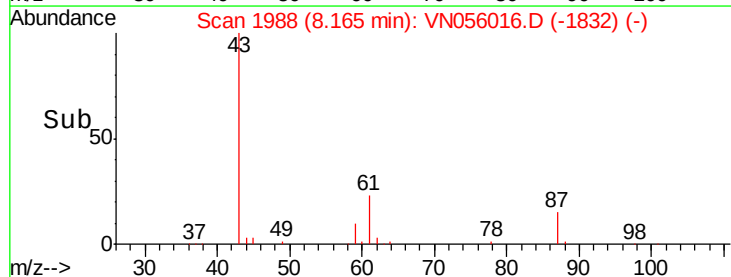
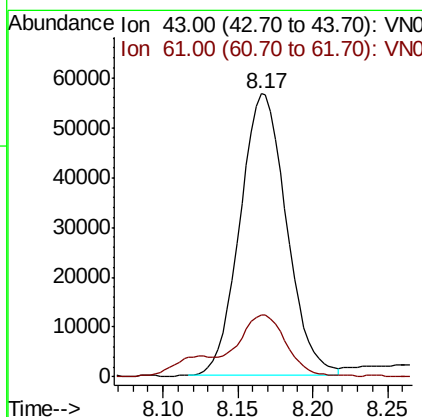
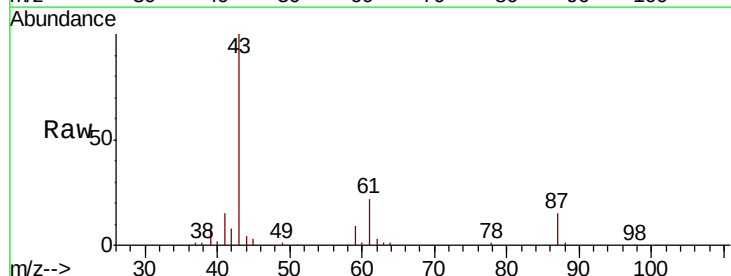
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

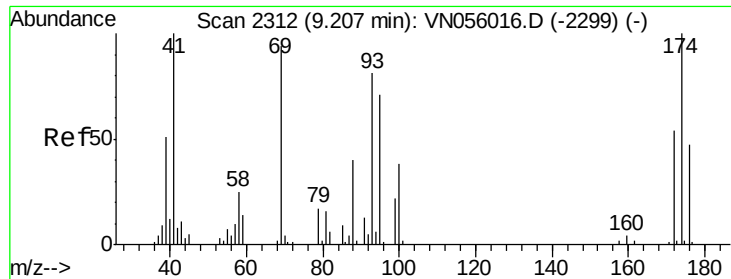
Tot Ion: 43 Resp: 82384
Ion Ratio Lower Upper
43 100
45 15.4 12.3 18.5



#44
Isopropyl Acetate
Concen: 17.228 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 122812
Ion Ratio Lower Upper
43 100
61 21.1 16.9 25.3

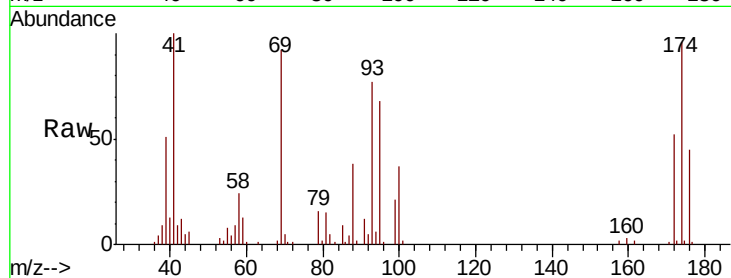




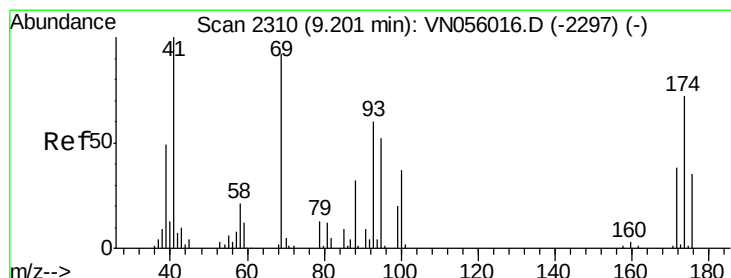
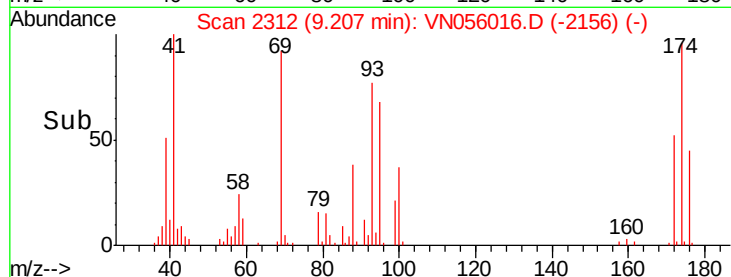
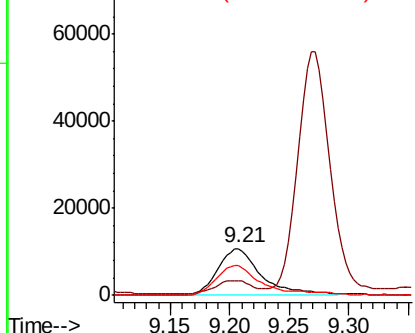
#45
 1,4-Dioxane
 Concen: 395.823 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 88 Resp: 27378
 Ion Ratio Lower Upper
 88 100
 43 24.7 19.8 29.6
 58 60.6 48.5 72.7

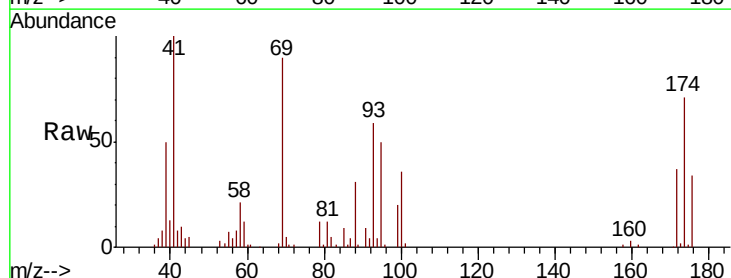


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

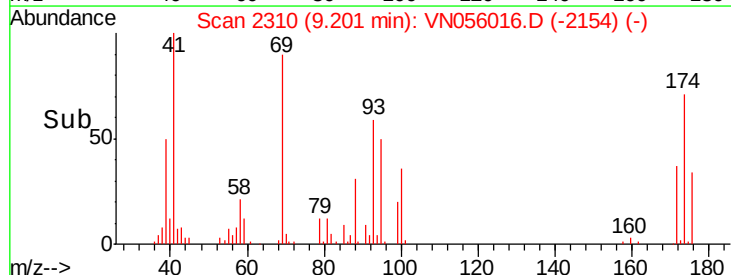
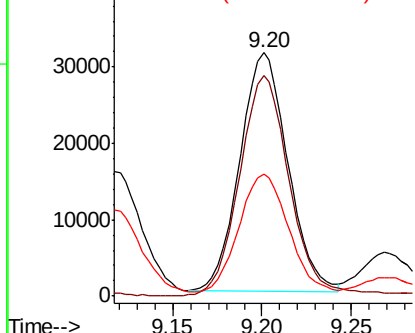


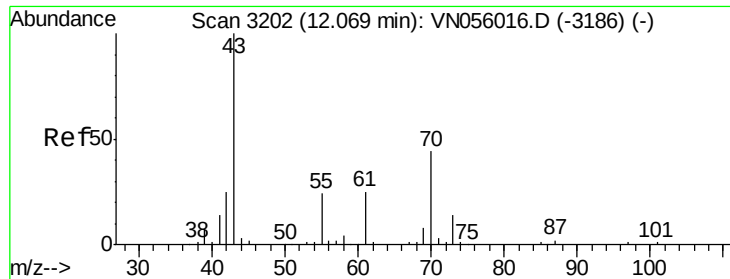
#46
 Methyl methacrylate
 Concen: 17.677 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 41 Resp: 58974
 Ion Ratio Lower Upper
 41 100
 69 91.9 46.0 137.8
 39 49.2 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: 17.093 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

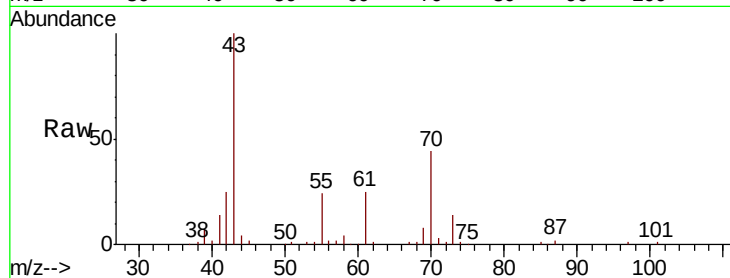
VSTDICCC020

Tot Ion: 43 Resp: 100458

Ion Ratio Lower Upper

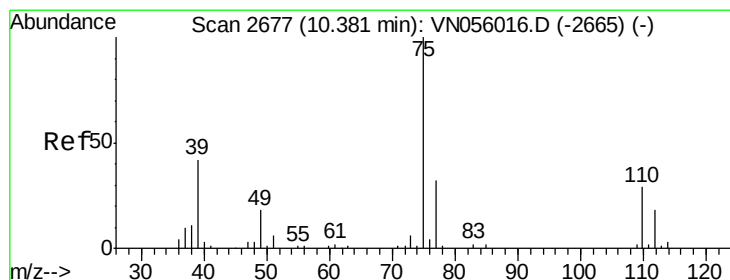
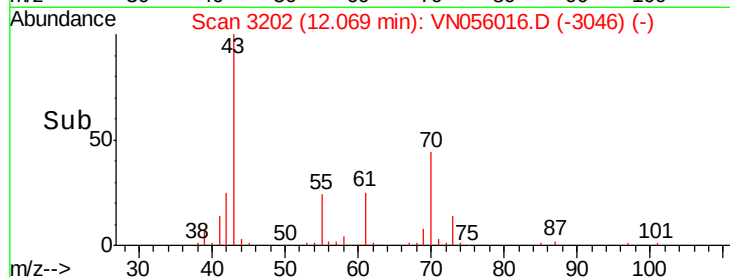
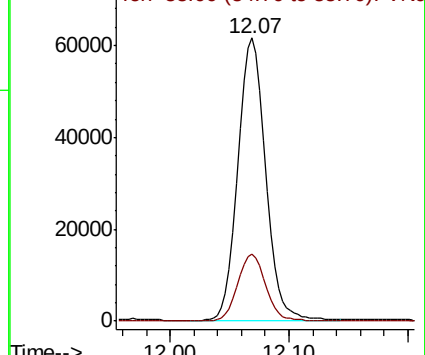
43 100

55 23.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 15.736 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056016.D

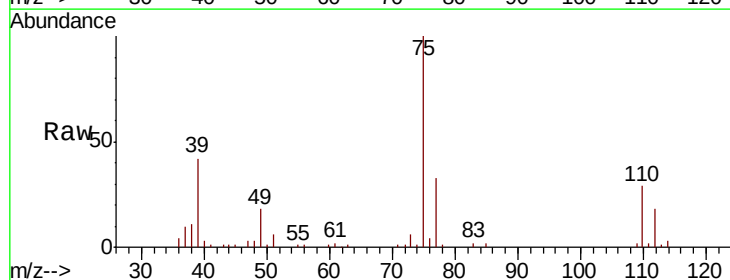
Acq: 5 Jun 2019 19:18

Tgt Ion: 75 Resp: 77209

Ion Ratio Lower Upper

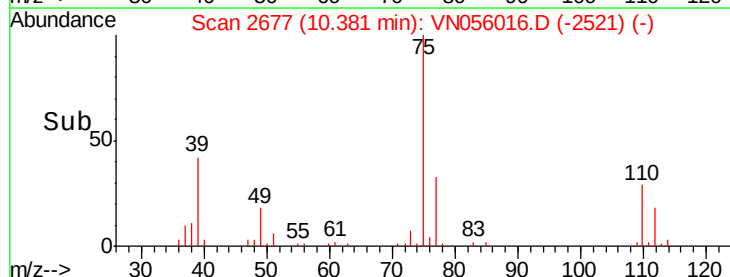
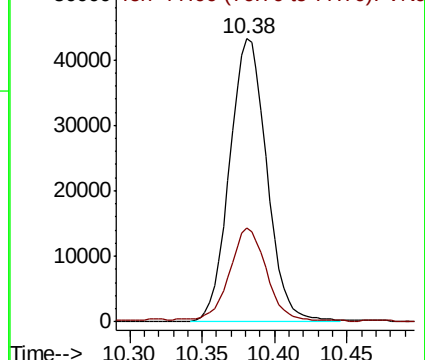
75 100

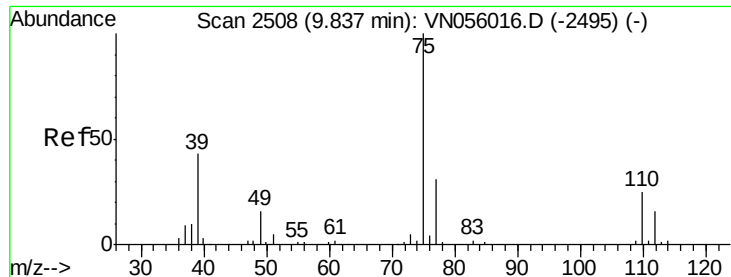
77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



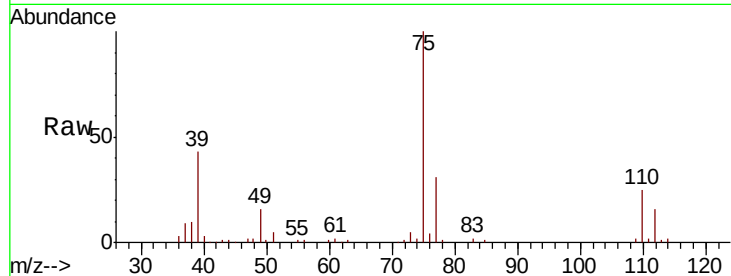


#49

cis-1,3-Dichloropropene
 Concen: 17.280 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	42.9	34.3	51.5

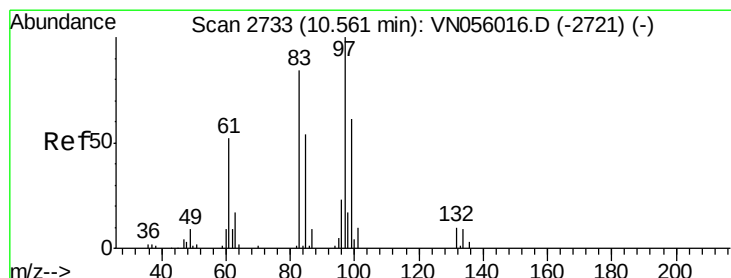
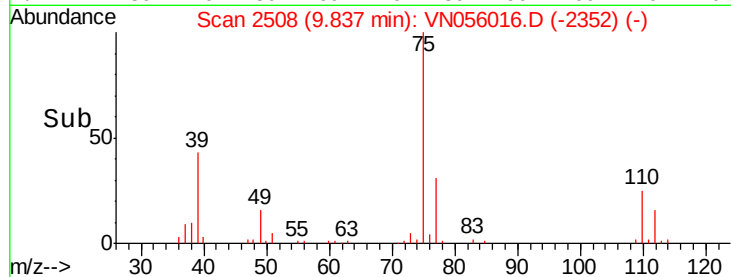
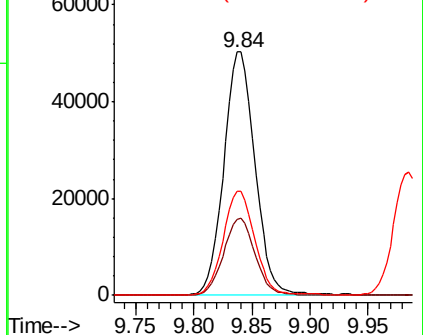


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

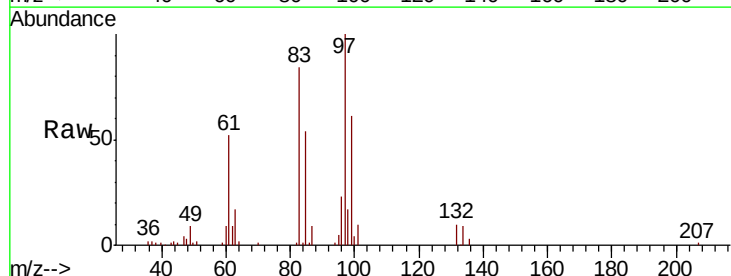
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 19.770 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	54.1	43.3	64.9
99	60.8	48.6	73.0



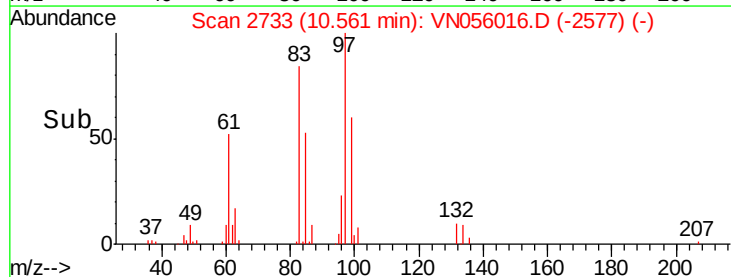
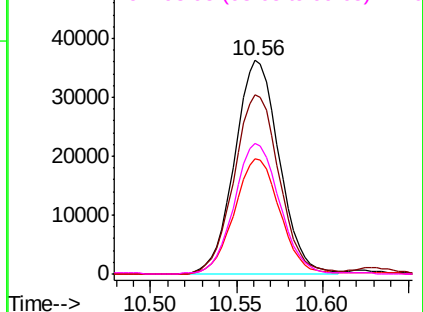
Abundance

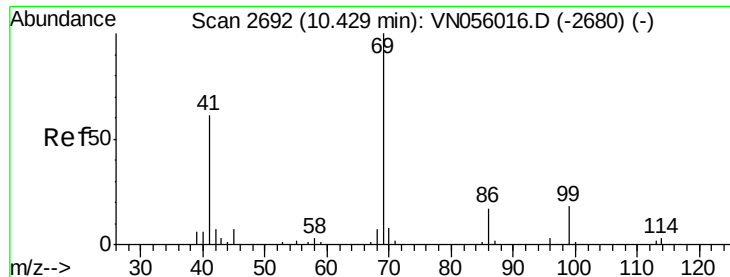
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 18.200 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

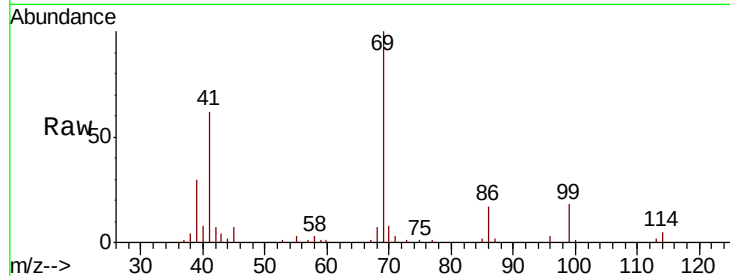
Tot Ion: 69 Resp: 95106

Ion Ratio Lower Upper

69 100

41 61.5 30.8 92.3

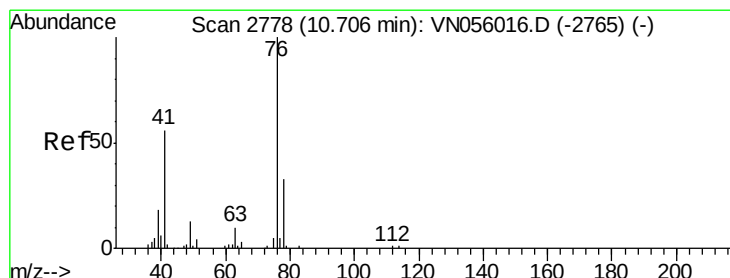
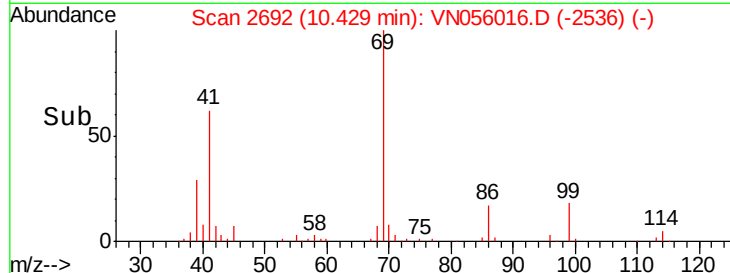
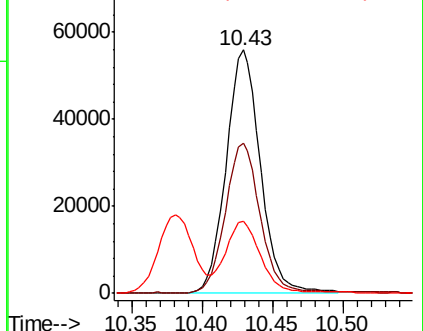
39 29.1 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN056016.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN056016.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN056016.D (-2680) (-)



#52

1,3-Dichloropropane

Concen: 19.654 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056016.D

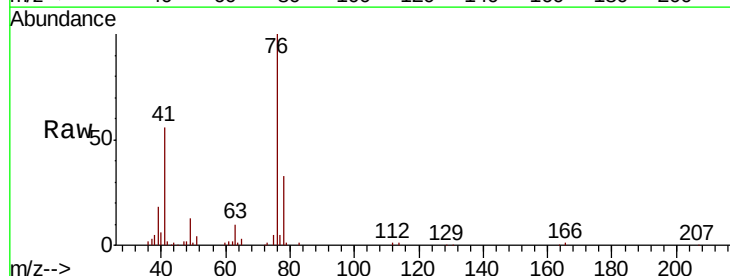
Acq: 5 Jun 2019 19:18

Tgt Ion: 76 Resp: 106545

Ion Ratio Lower Upper

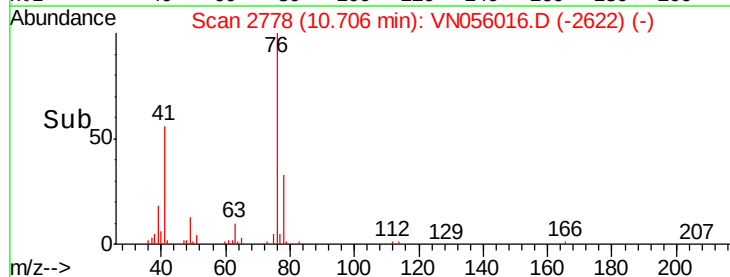
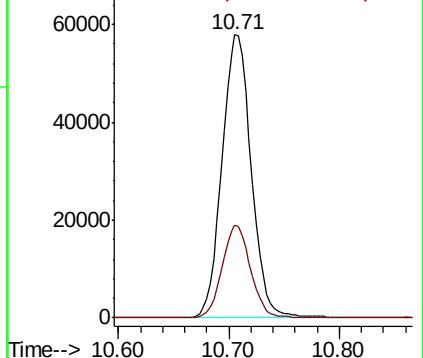
76 100

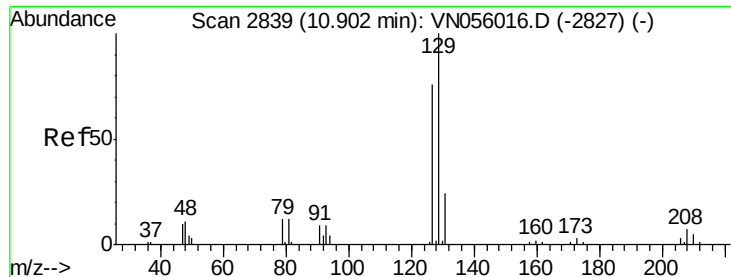
78 31.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-2765) (-)





#53

Dibromochloromethane

Concen: 15.763 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

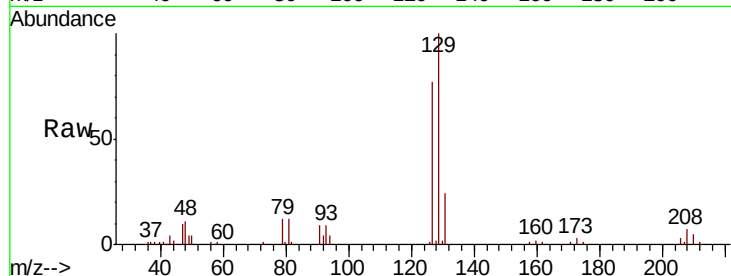
VSTDICCC020

Tot Ion:129 Resp: 58826

Ion Ratio Lower Upper

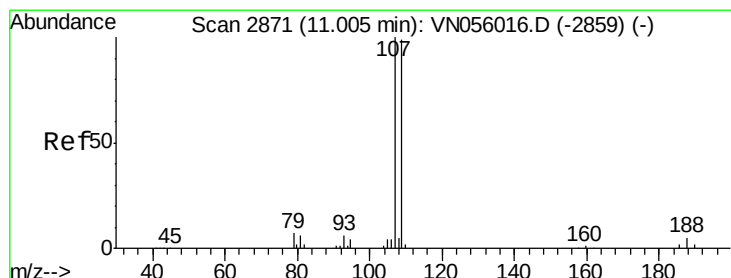
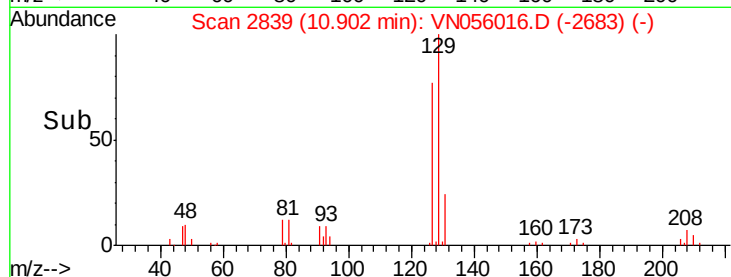
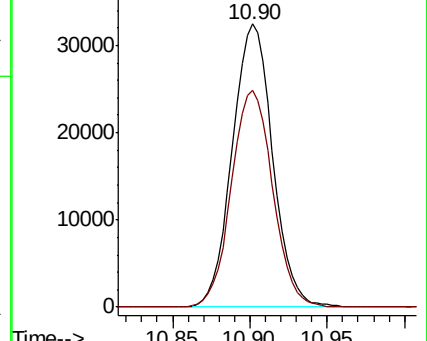
129 100

127 78.3 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: 19.596 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056016.D

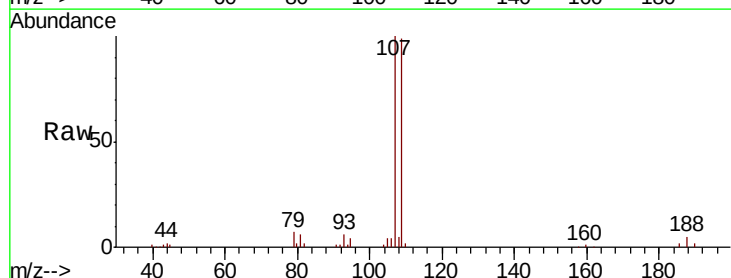
Acq: 5 Jun 2019 19:18

Tgt Ion:107 Resp: 66912

Ion Ratio Lower Upper

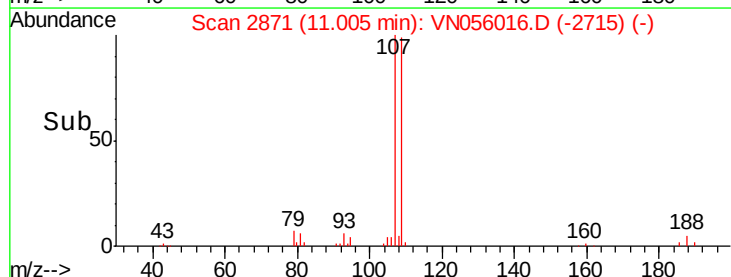
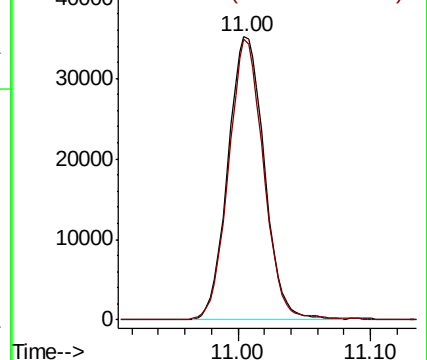
107 100

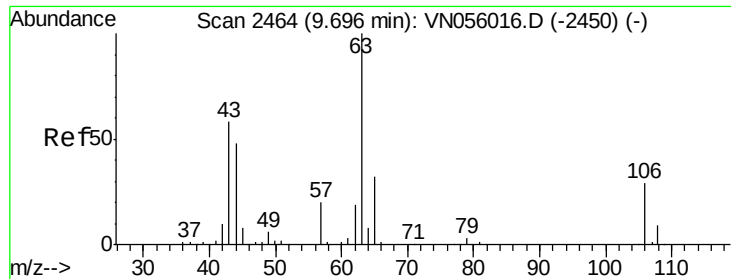
109 96.0 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

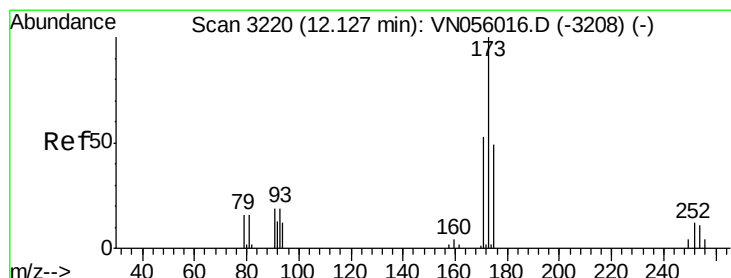
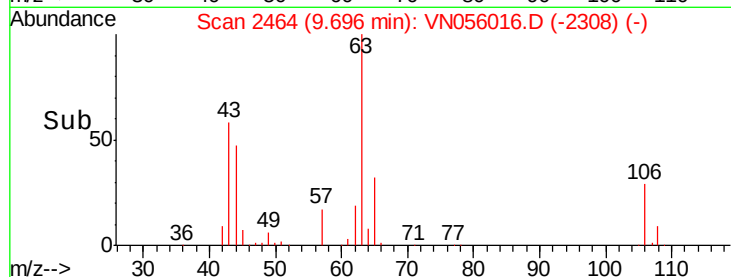
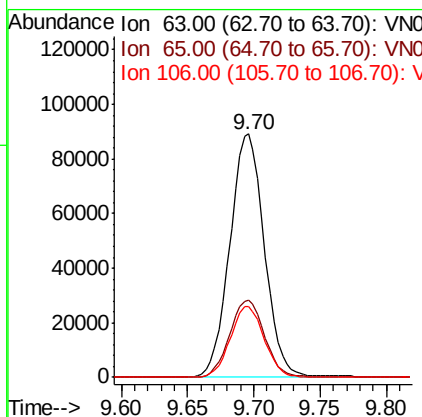
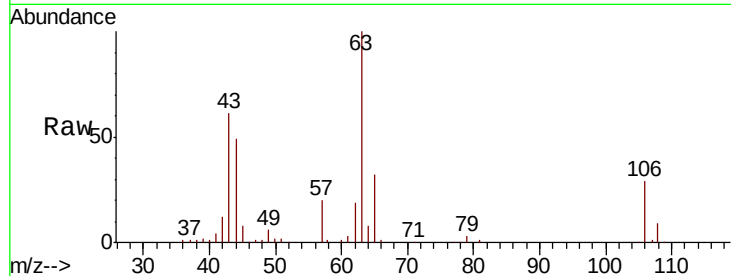




#55
2-Chloroethyl vinyl ether
Concen: 80.851 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

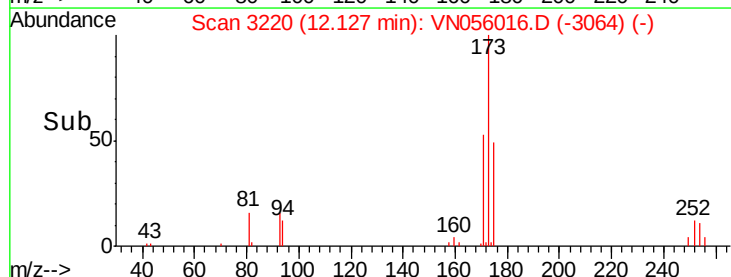
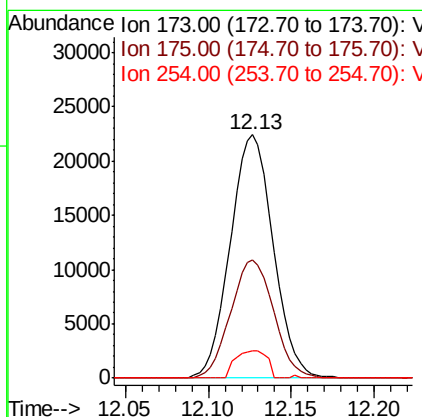
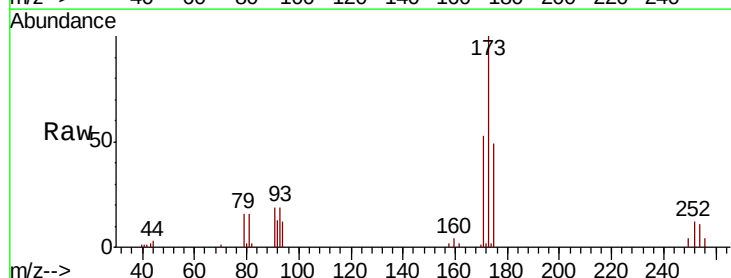
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

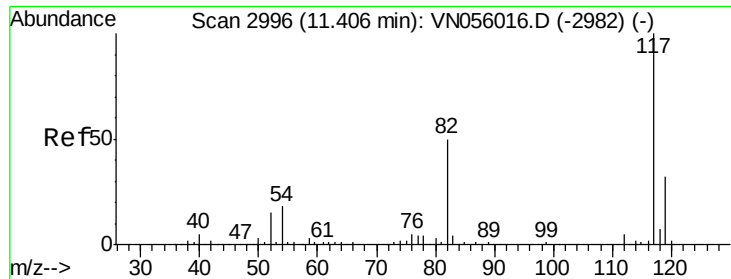
Tot Ion: 63 Resp: 161265
Ion Ratio Lower Upper
63 100
65 31.9 25.5 38.3
106 28.7 23.0 34.4



#56
Bromoform
Concen: 13.606 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 173 Resp: 40497
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 8.2 6.6 9.8

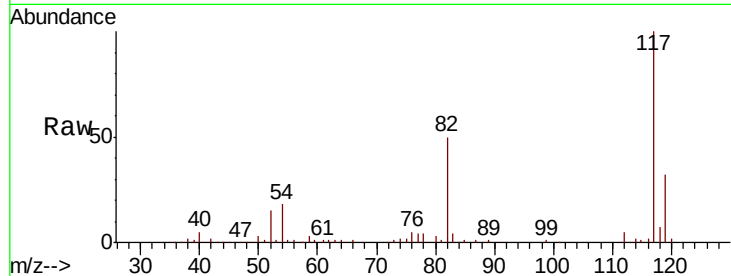




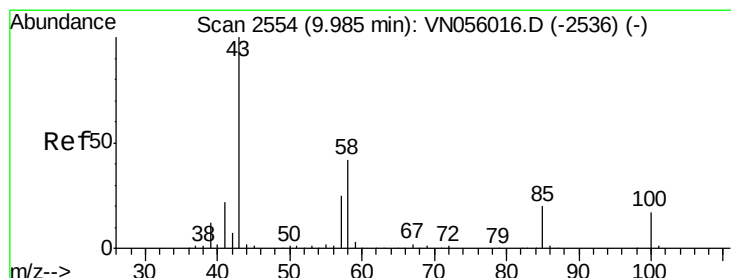
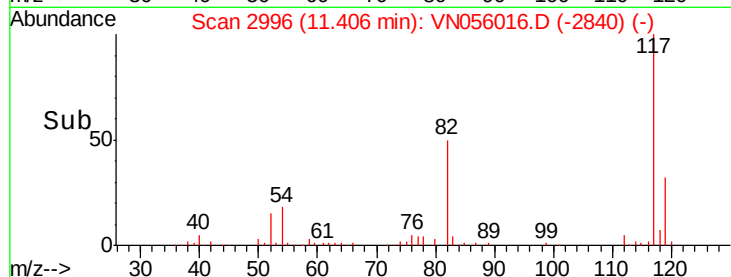
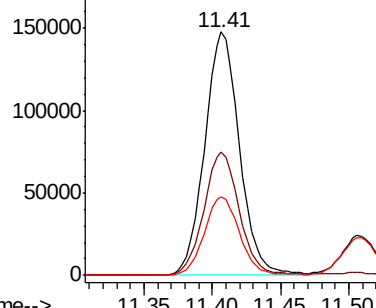
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 261986
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.7 26.2 39.2

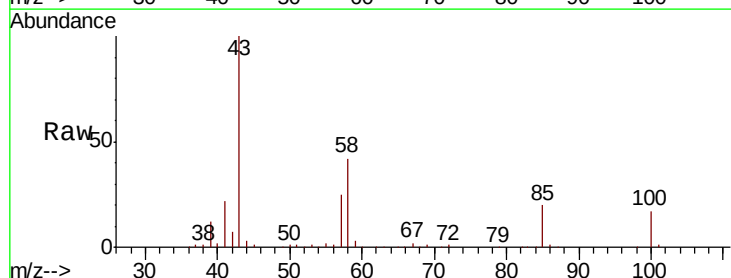


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

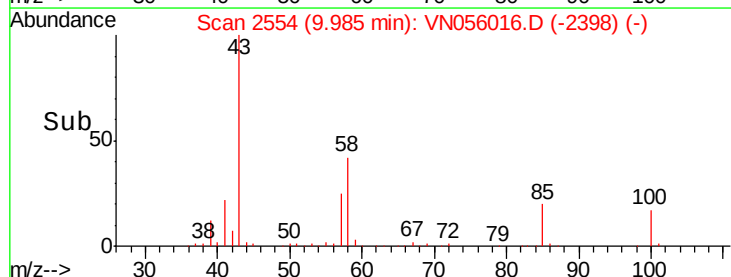
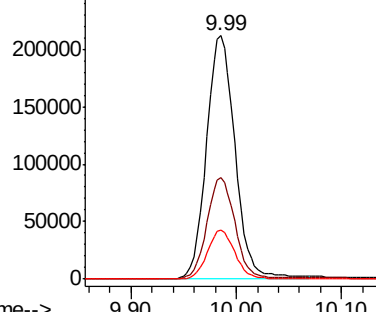


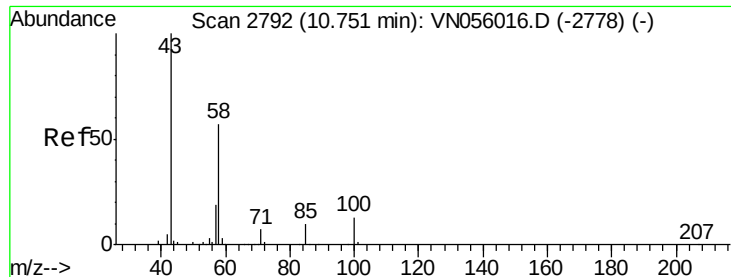
#58
4-Methyl-2-Pentanone
Concen: 93.832 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 397368
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7
85 19.4 15.5 23.3



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

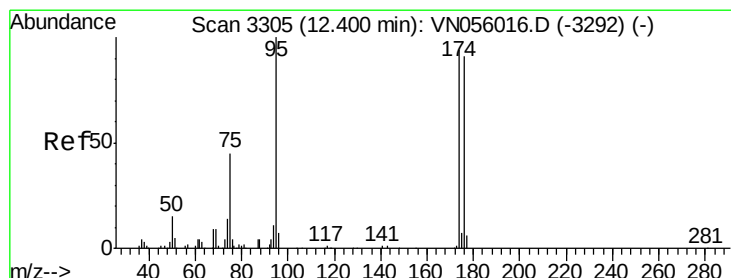
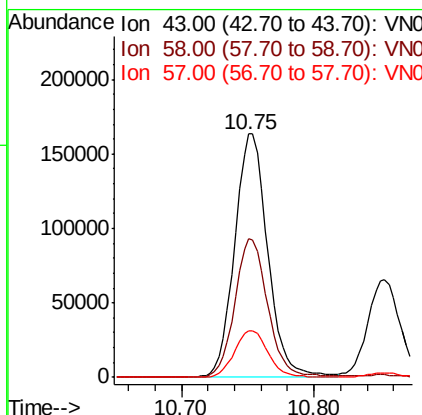
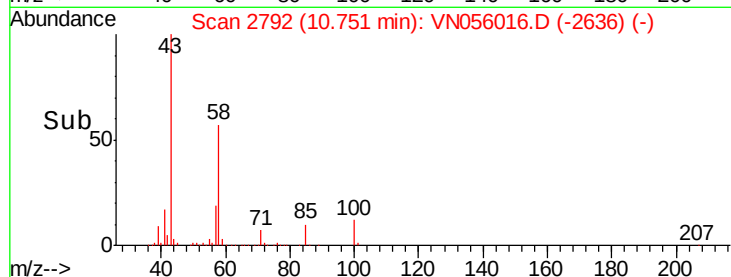
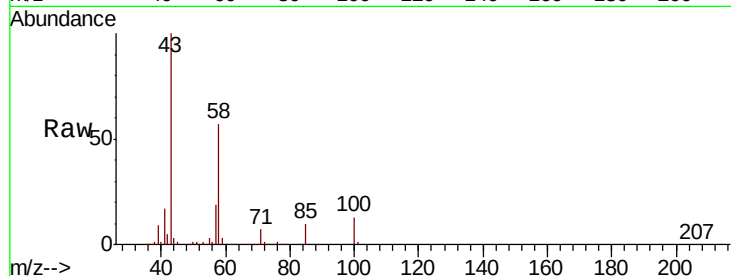




#59
2-Hexanone
Concen: 93.511 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

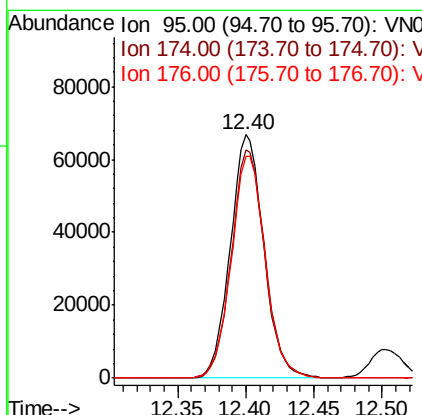
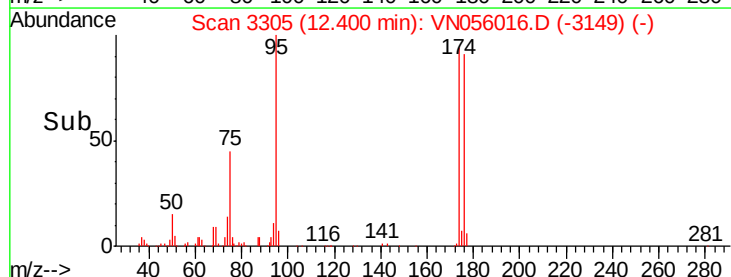
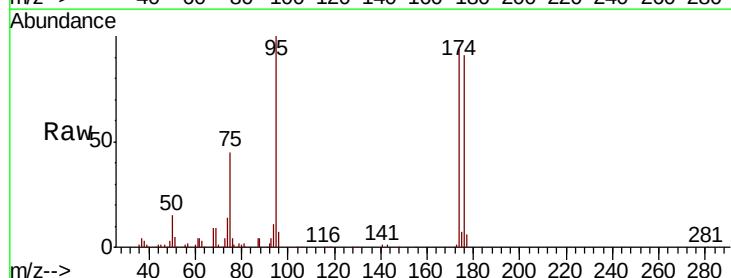
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

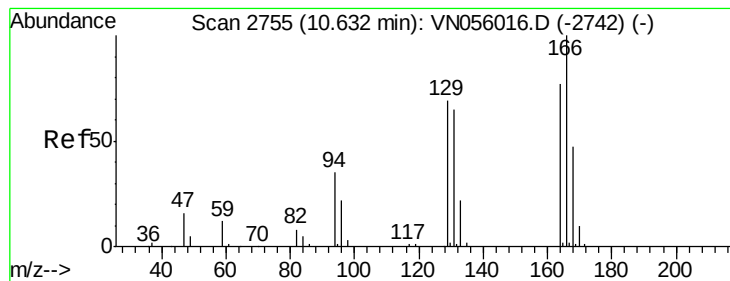
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.3	67.9
57	19.5	15.6	23.4



#60
4-Bromofluorobenzene
Concen: 28.226 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	75.4	113.0
176	92.4	73.9	110.9





#61

Tetrachloroethene

Concen: 21.113 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 75105

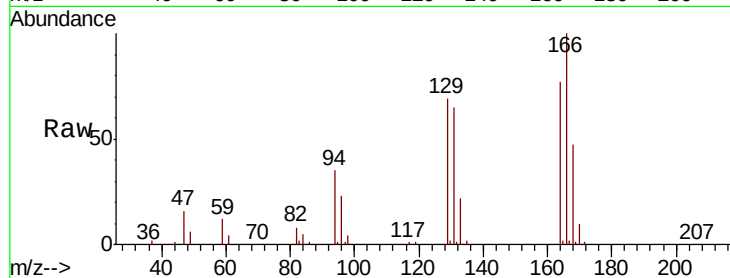
Ion Ratio Lower Upper

164 100

166 130.4 104.3 156.5

129 89.4 71.5 107.3

131 84.6 67.7 101.5

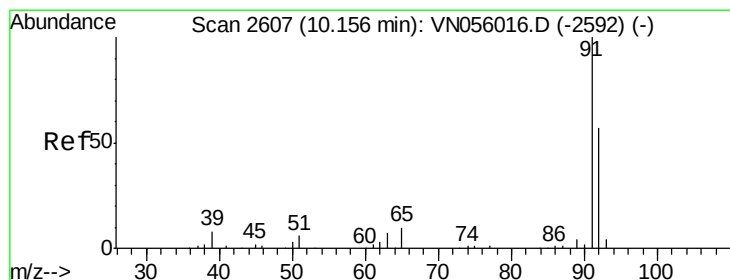
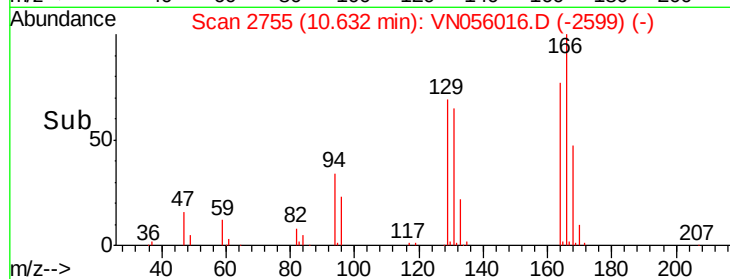
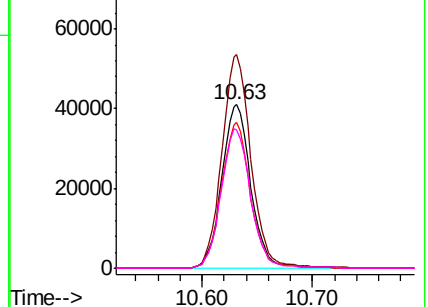


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.274 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056016.D

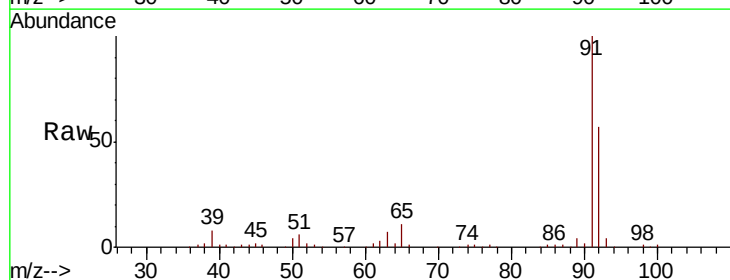
Acq: 5 Jun 2019 19:18

Tgt Ion: 91 Resp: 284859

Ion Ratio Lower Upper

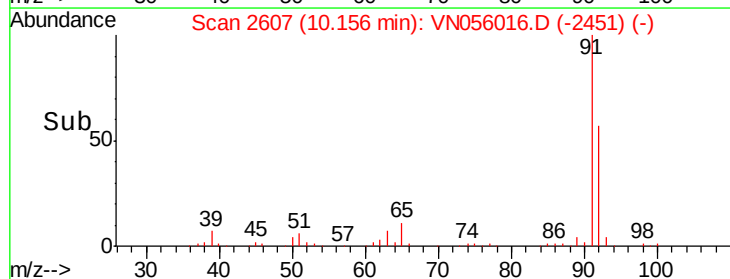
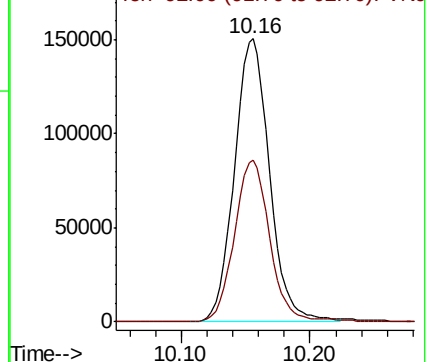
91 100

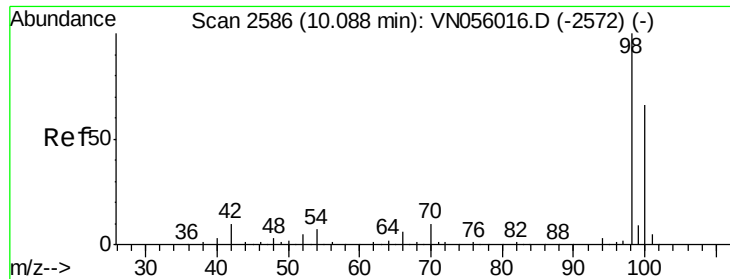
92 56.9 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

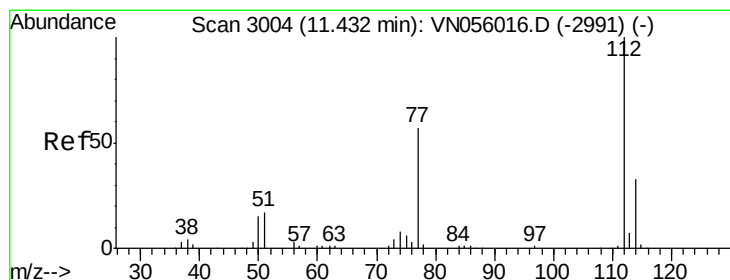
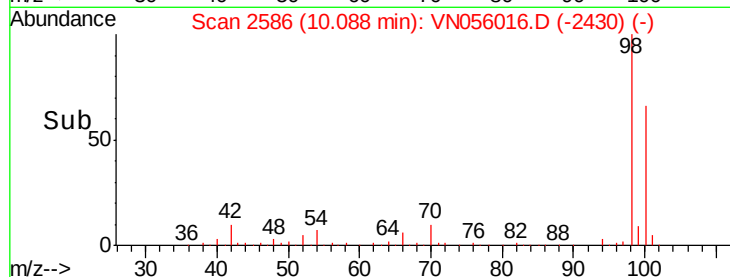
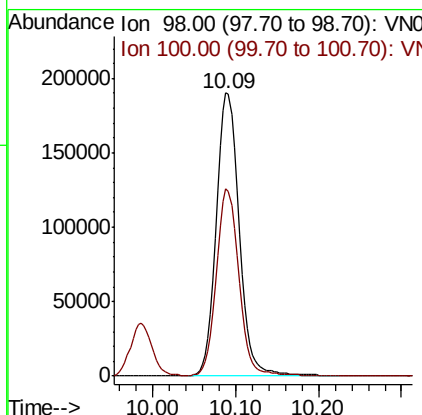
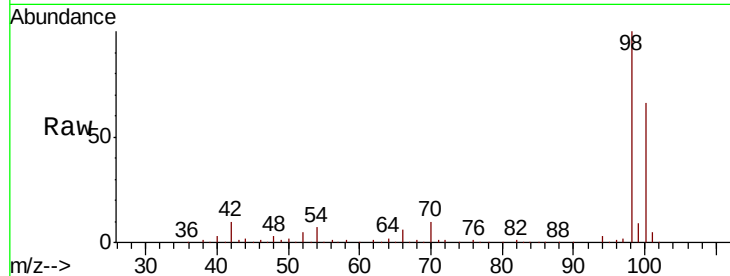




#63
Toluene-d8
Concen: 30.500 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

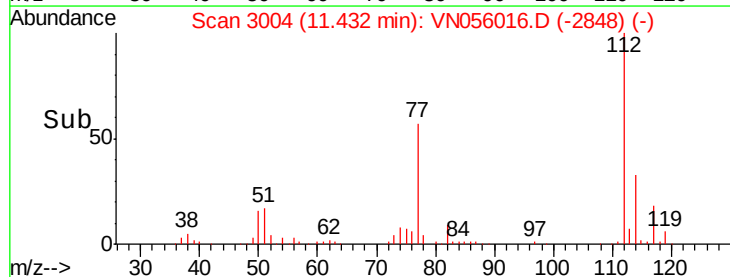
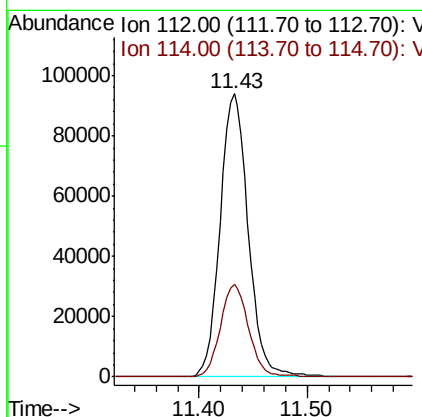
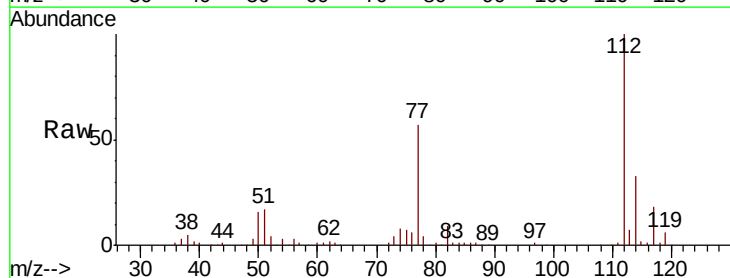
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

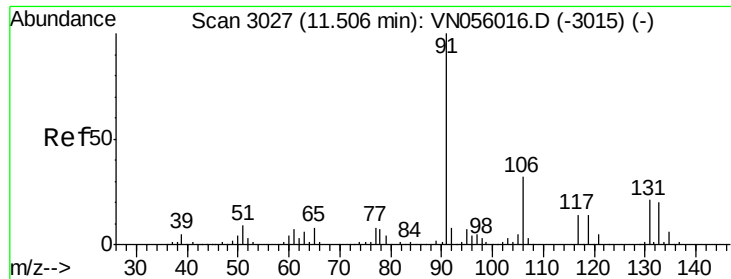
Tot Ion: 98 Resp: 365078
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#64
Chlorobenzene
Concen: 20.040 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 112 Resp: 170664
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

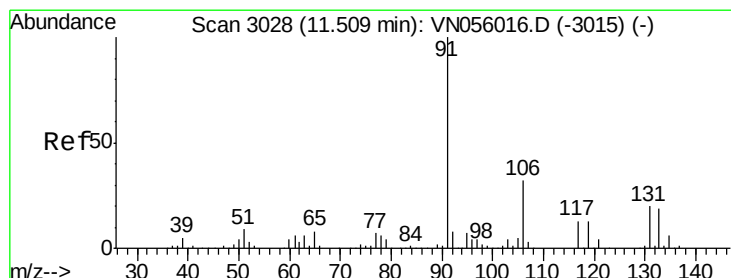
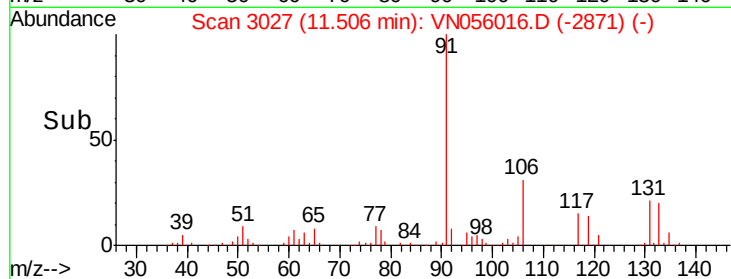
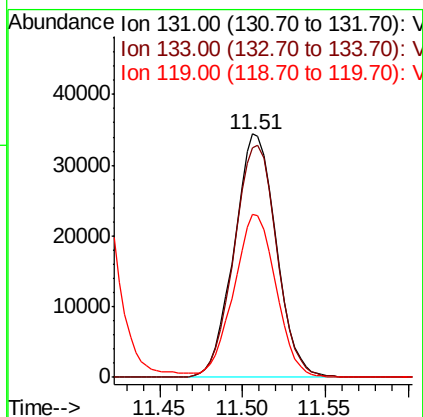
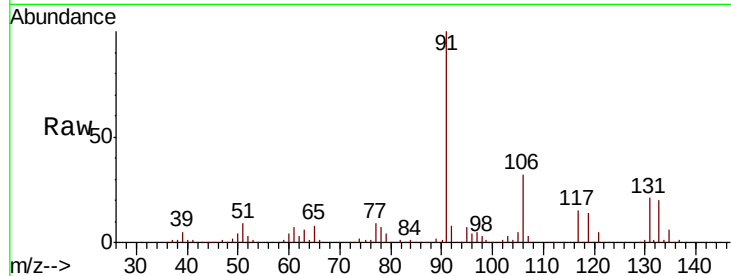




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.177 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

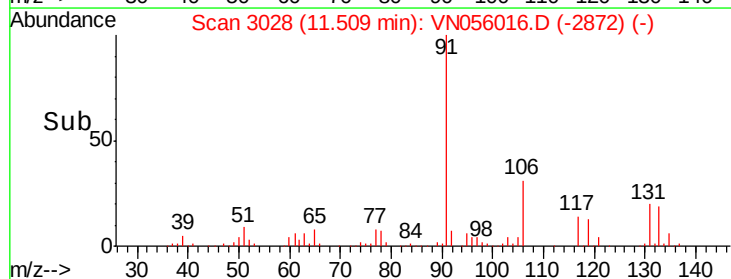
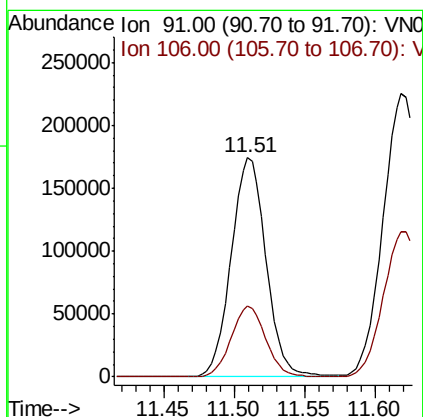
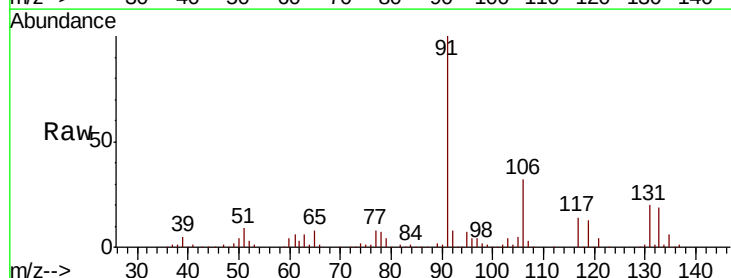
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

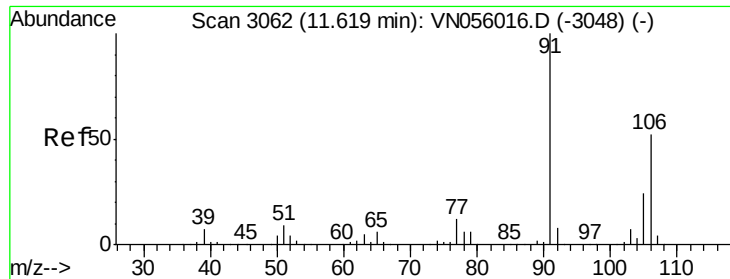
Tot Ion:131 Resp: 60872
 Ion Ratio Lower Upper
 131 100
 133 96.9 0.0 193.8
 119 67.2 0.0 134.4



#66
 Ethyl Benzene
 Concen: 19.795 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 91 Resp: 302331
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5

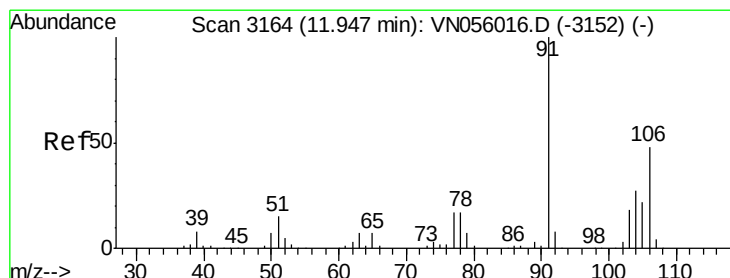
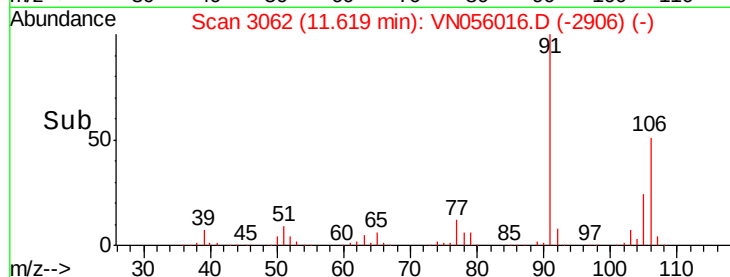
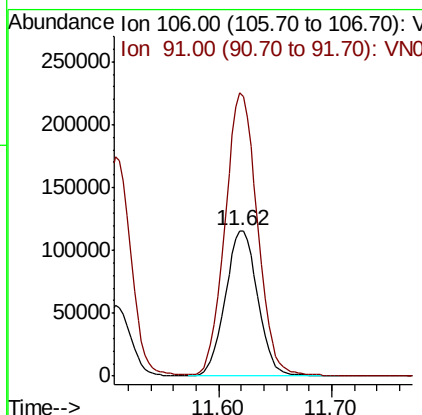
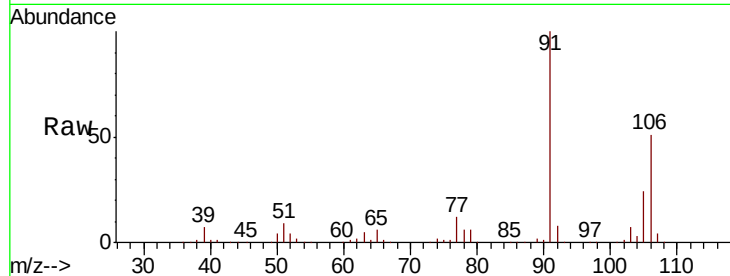




#67
m/p-Xylenes
Concen: 39.788 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

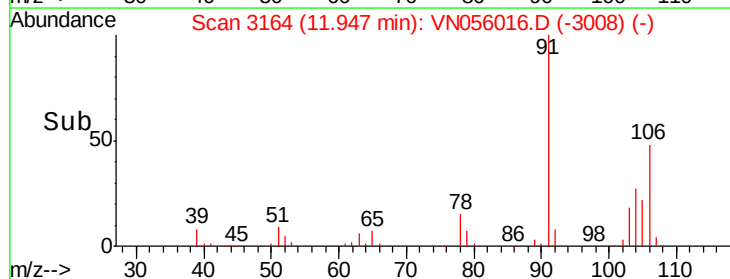
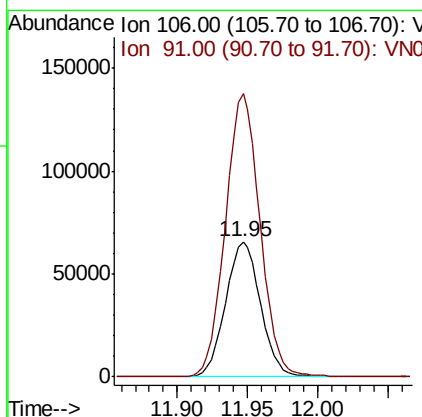
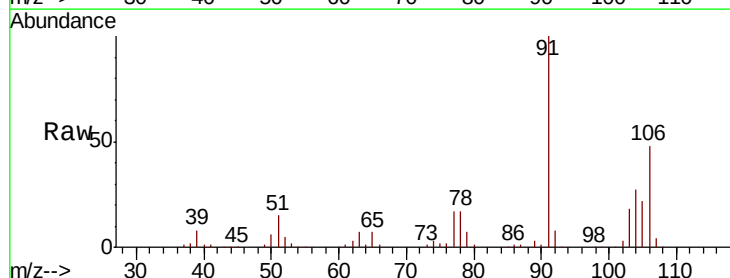
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

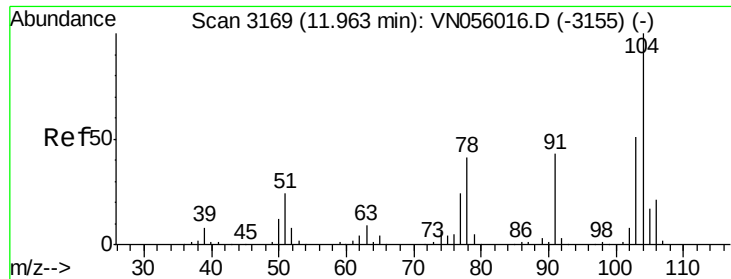
Tot Ion:106 Resp: 231018
Ion Ratio Lower Upper
106 100
91 194.6 155.7 233.5



#68
o-Xylene
Concen: 19.816 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion:106 Resp: 113580
Ion Ratio Lower Upper
106 100
91 207.8 103.9 311.7

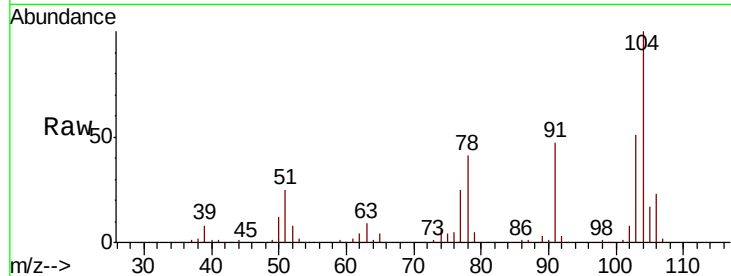




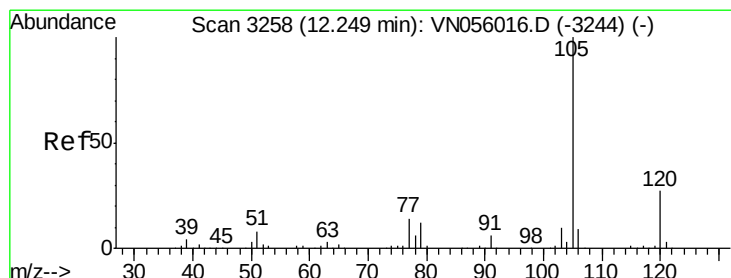
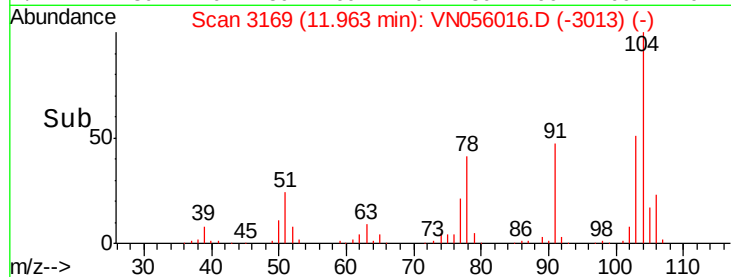
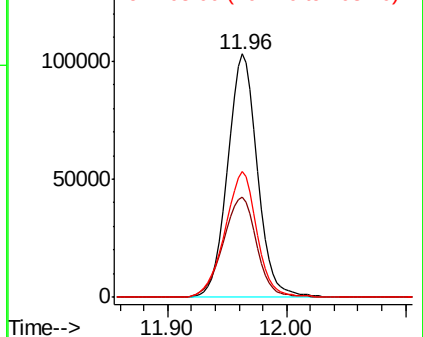
#69
Stvrene
Concen: 18.971 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:104 Resp: 178816
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.6
103 55.5 44.4 66.6

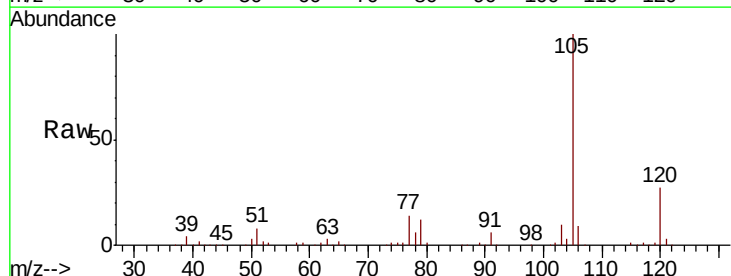


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

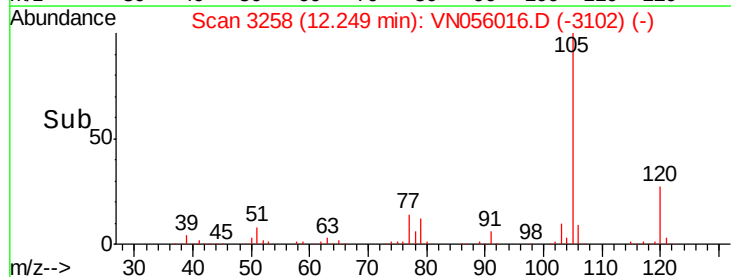
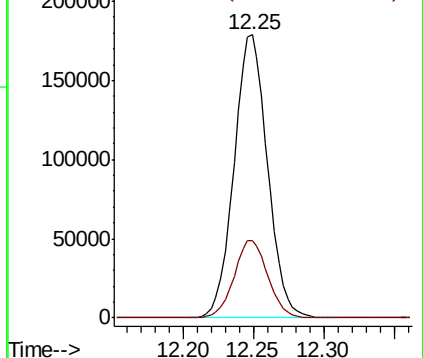


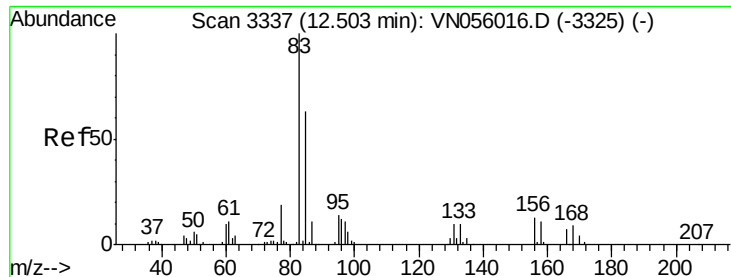
#70
Isopropylbenzene
Concen: 19.767 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion:105 Resp: 296670
Ion Ratio Lower Upper
105 100
120 27.5 19.3 35.8



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

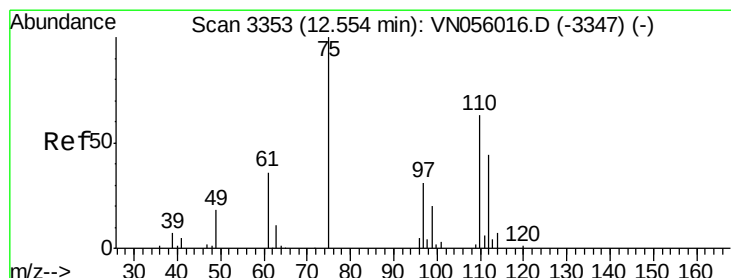
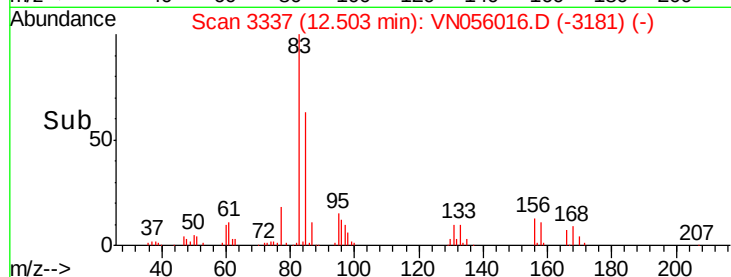
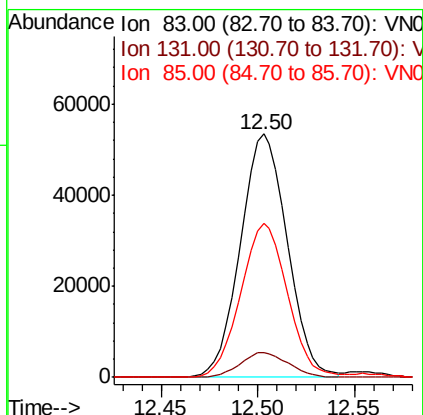
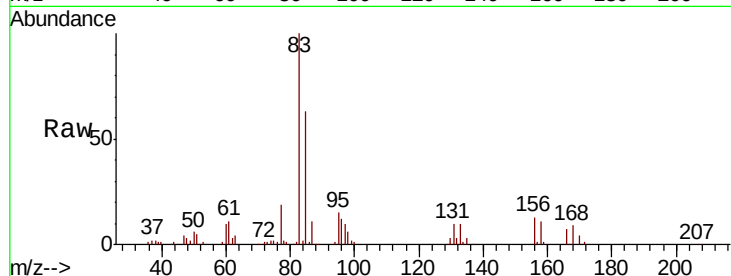




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.628 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

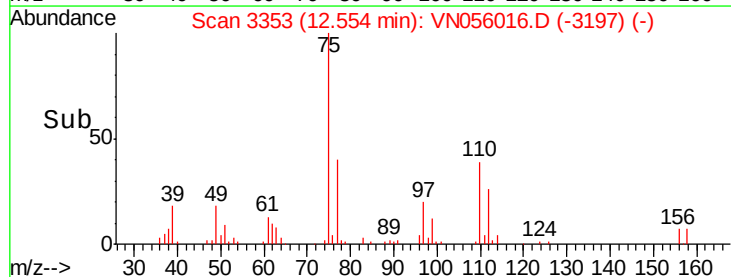
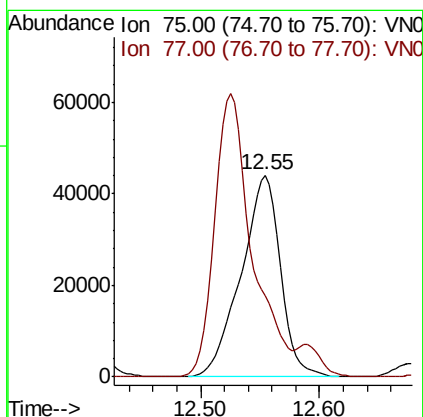
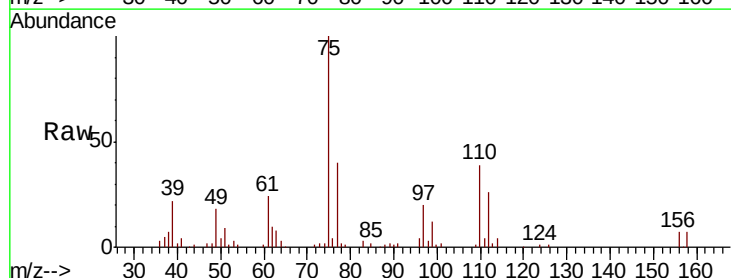
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

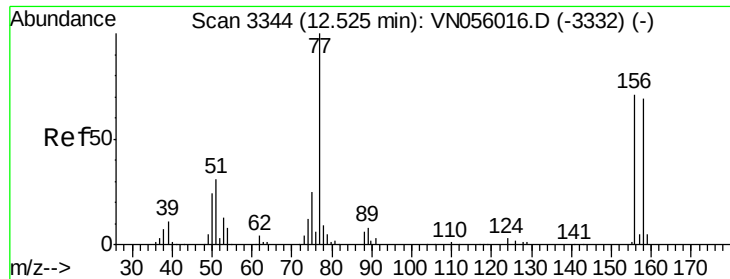
Tot Ion	83	Resp	90206
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.1	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 25.635 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	75	Resp	100840
Ion Ratio	Lower	Upper	
75	100		
77	133.6	0.0	350.0





#73

Bromobenzene

Concen: 19.364 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

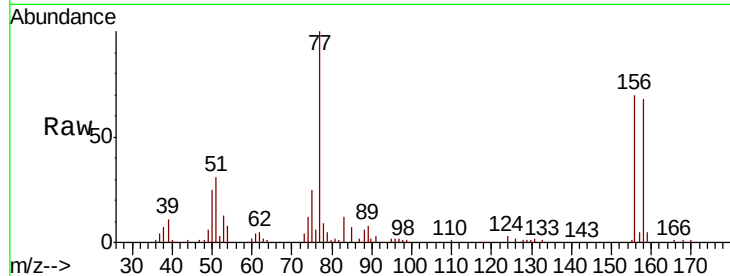
Tot Ion:156 Resp: 76856

Ion Ratio Lower Upper

156 100

77 175.4 0.0 350.8

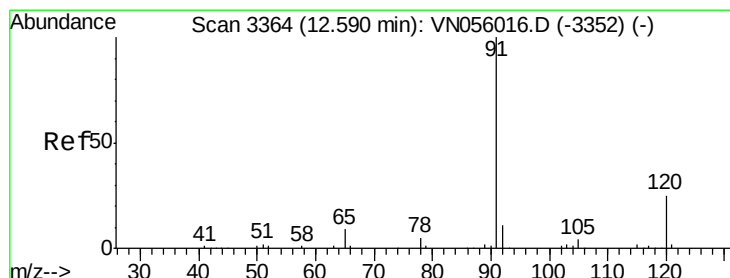
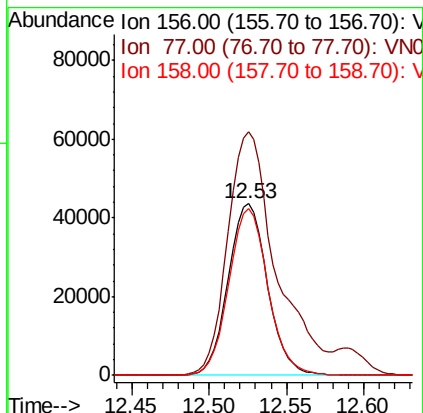
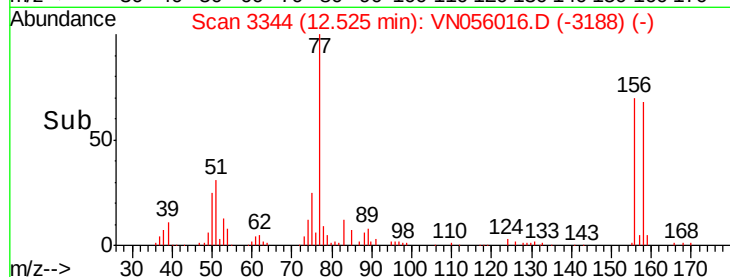
158 96.6 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.816 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056016.D

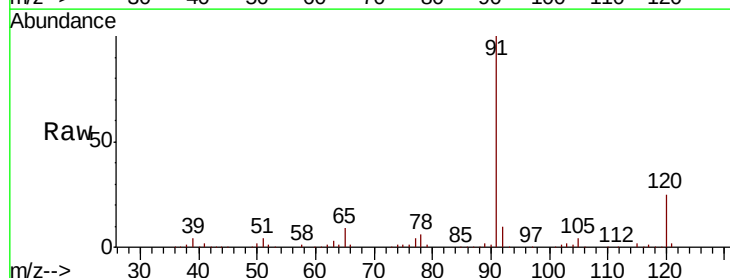
Acq: 5 Jun 2019 19:18

Tgt Ion: 91 Resp: 302298

Ion Ratio Lower Upper

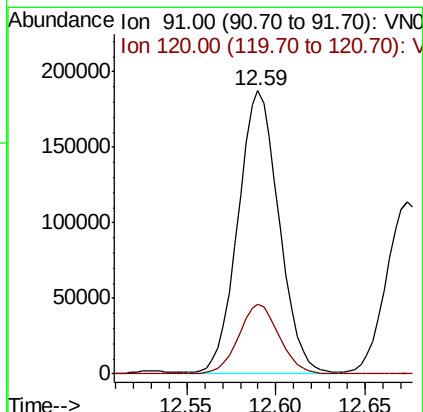
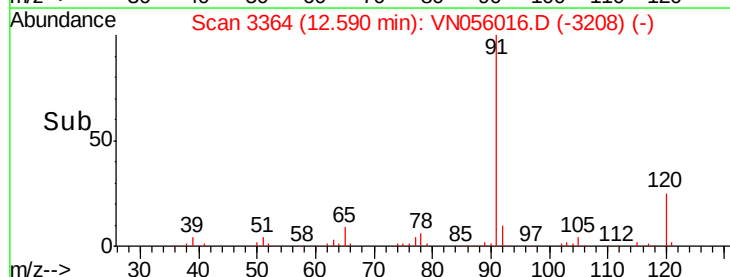
91 100

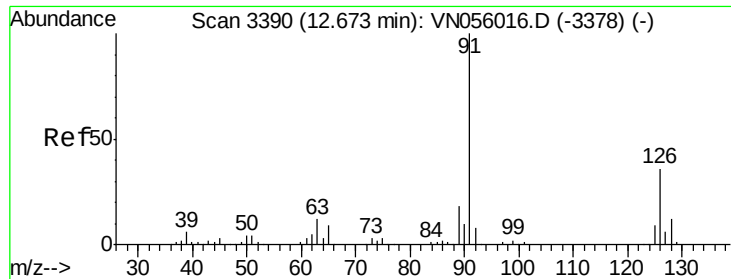
120 24.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.335 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

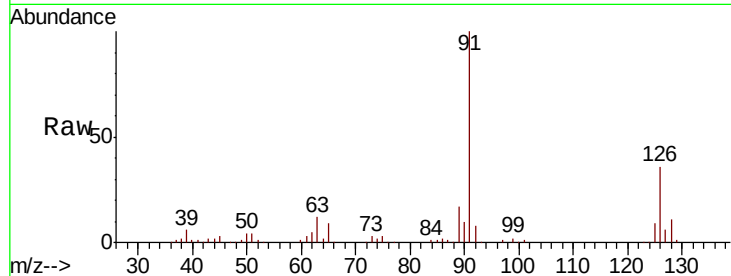
VSTDICCC020

Tot Ion: 91 Resp: 190169

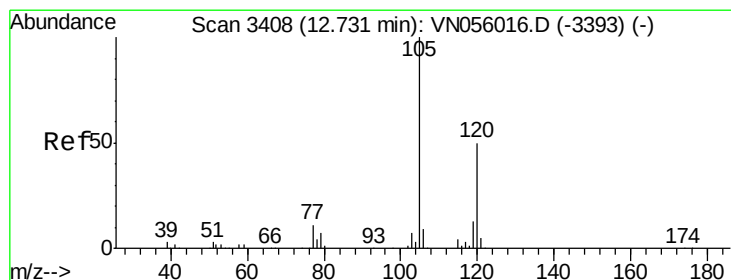
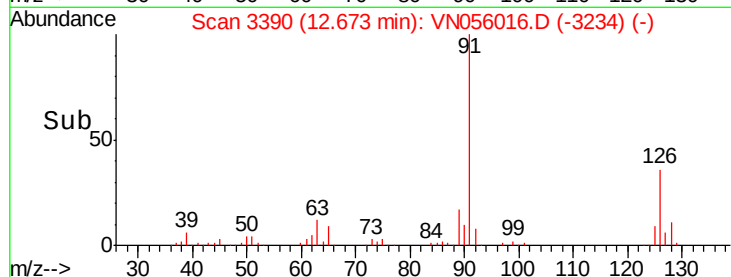
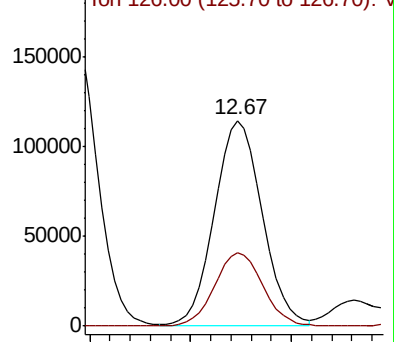
Ion Ratio Lower Upper

91 100

126 36.2 0.0 72.4



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



#76

1,3,5-Trimethylbenzene

Concen: 19.551 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056016.D

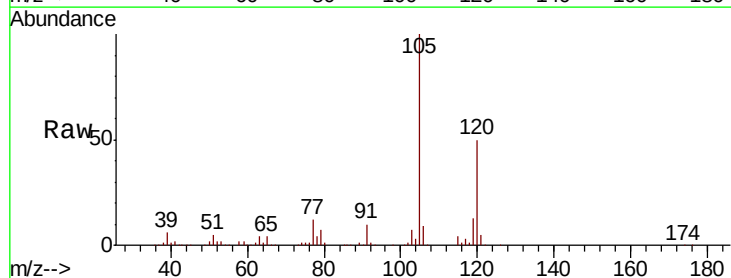
Acq: 5 Jun 2019 19:18

Tgt Ion: 105 Resp: 241775

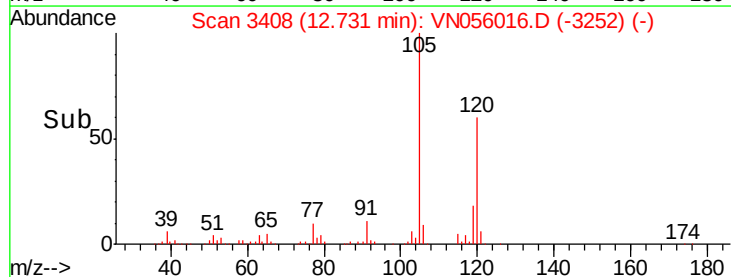
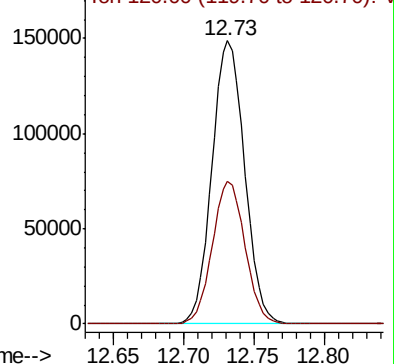
Ion Ratio Lower Upper

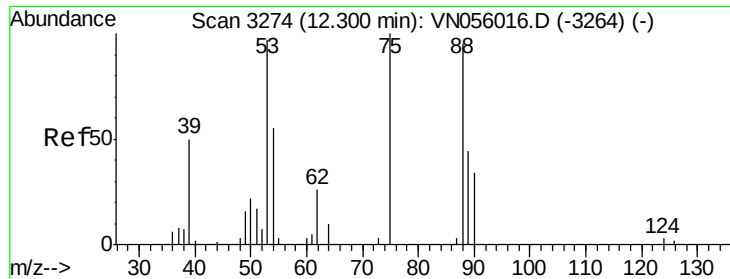
105 100

120 50.3 0.0 100.6



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





#77

t-1,4-Dichloro-2-butene

Concen: 12.818 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

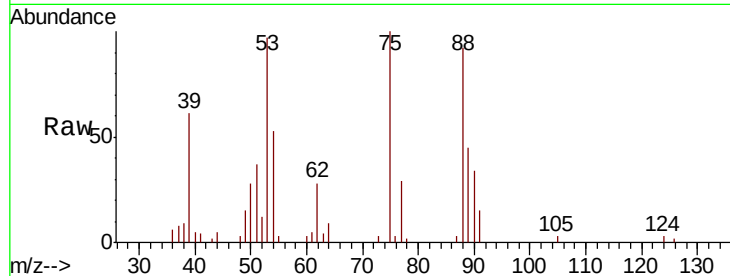
Tot Ion: 75 Resp: 18843

Ion Ratio Lower Upper

75 100

53 96.0 48.0 144.0

89 45.0 22.5 67.5

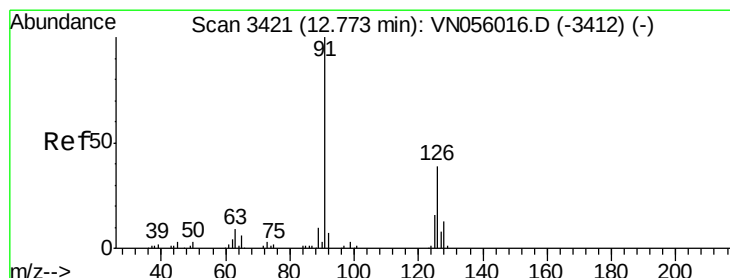
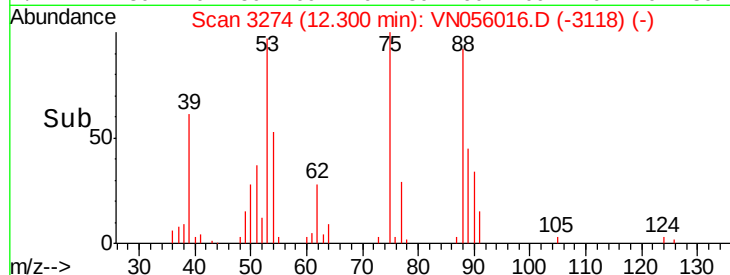
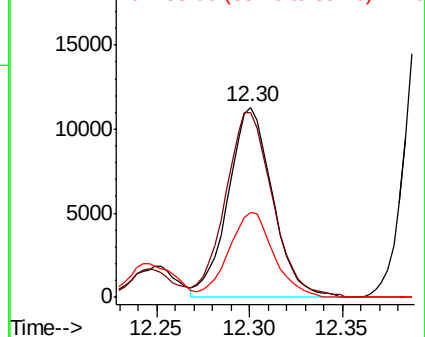


Abundance

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: 18.430 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056016.D

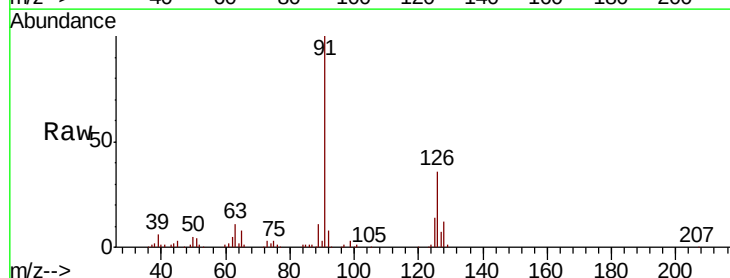
Acq: 5 Jun 2019 19:18

Tgt Ion: 91 Resp: 171074

Ion Ratio Lower Upper

91 100

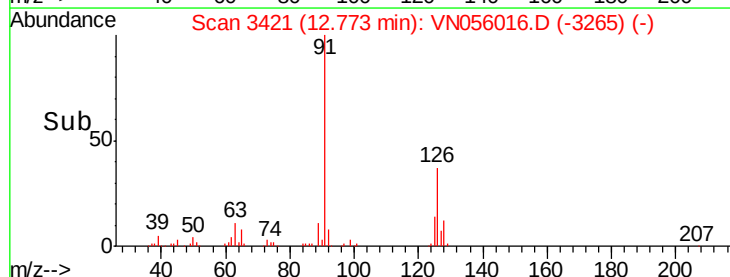
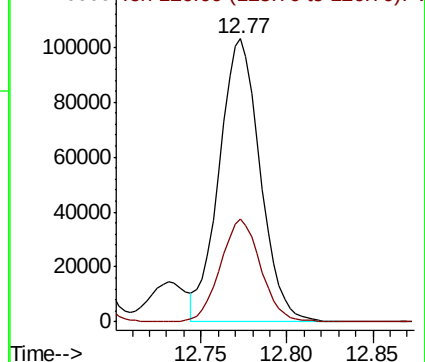
126 35.9 0.0 71.8

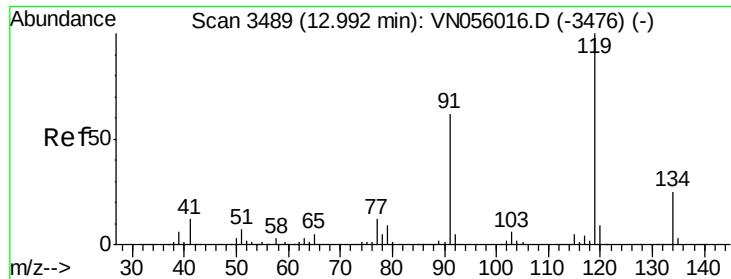


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

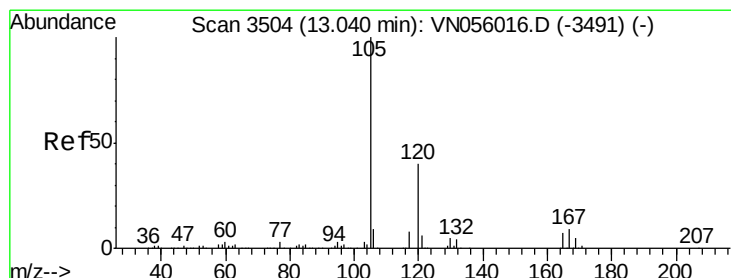
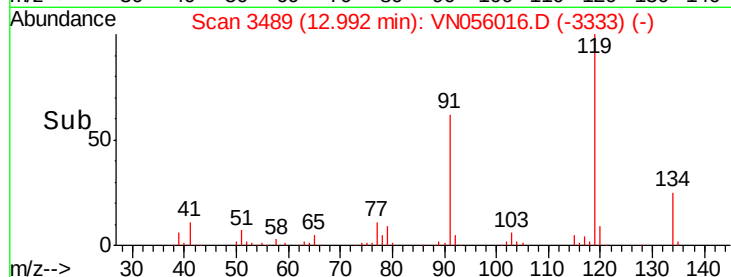
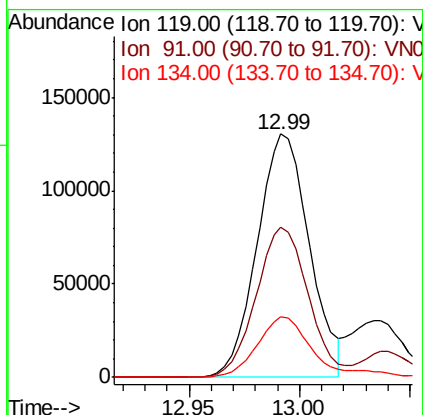
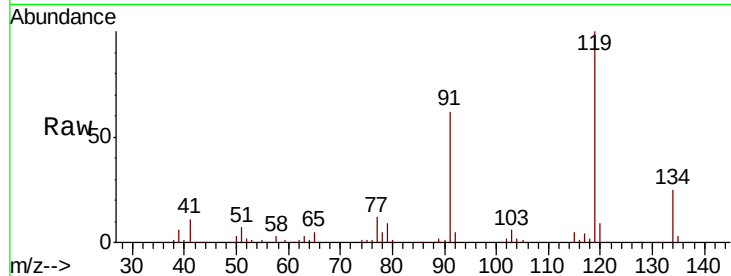




#79
tert-butylbenzene
Concen: 19.652 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

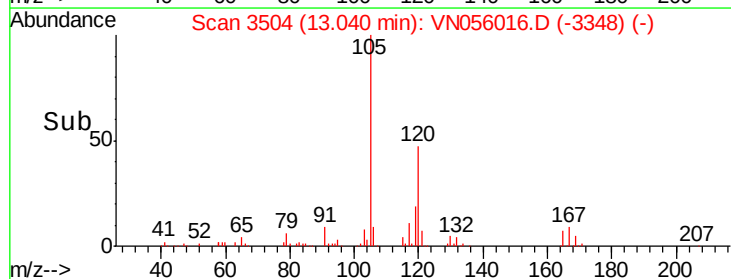
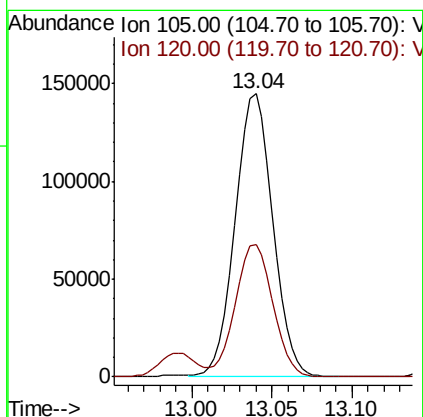
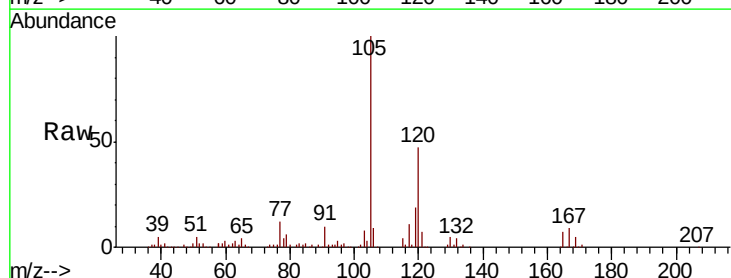
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

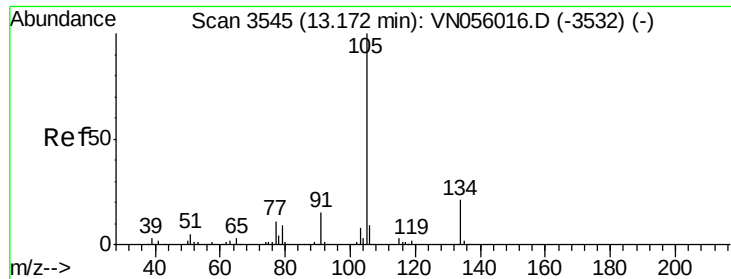
Tot Ion:119 Resp: 213313
Ion Ratio Lower Upper
119 100
91 61.4 0.0 122.8
134 25.1 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 18.973 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion:105 Resp: 231911
Ion Ratio Lower Upper
105 100
120 46.7 0.0 93.4





#81

sec-Butylbenzene

Concen: 19.422 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

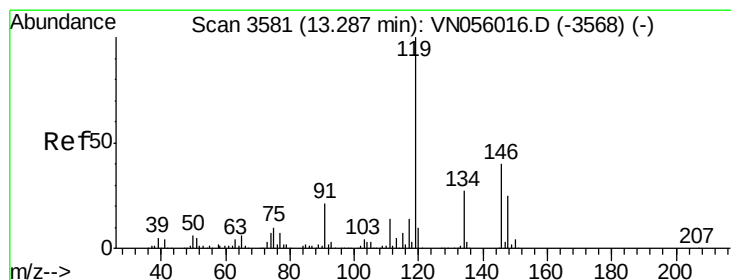
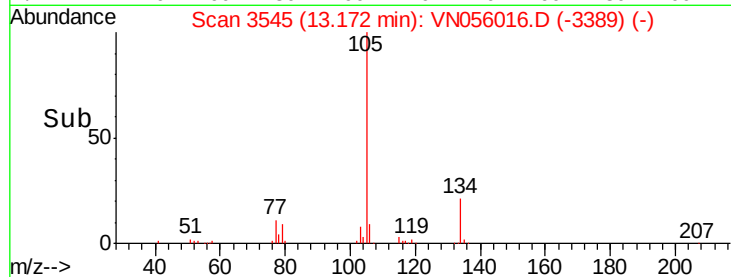
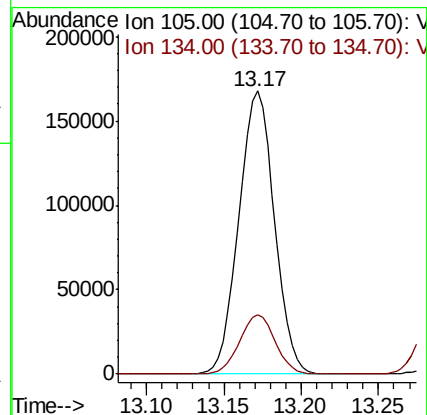
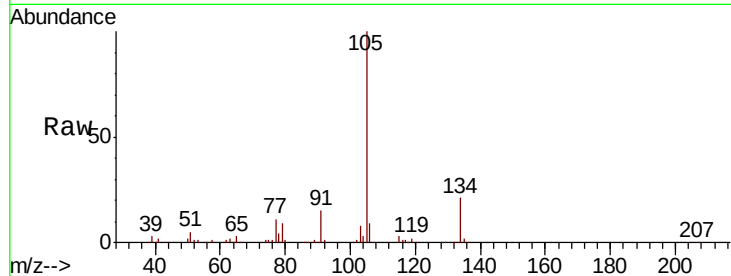
VSTDICCC020

Tot Ion:105 Resp: 268114

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.8



#82

p-Isopropyltoluene

Concen: 18.881 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

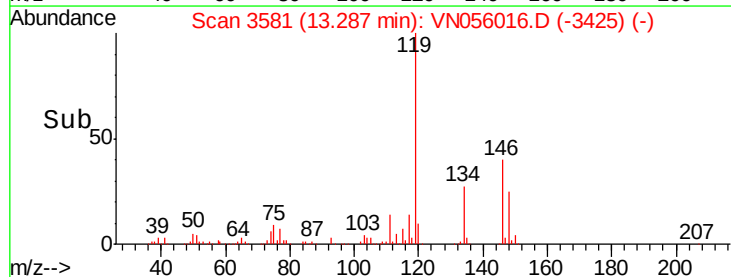
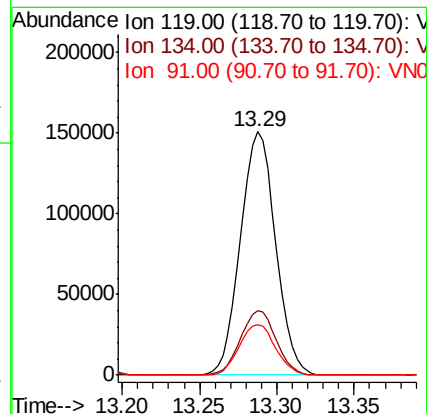
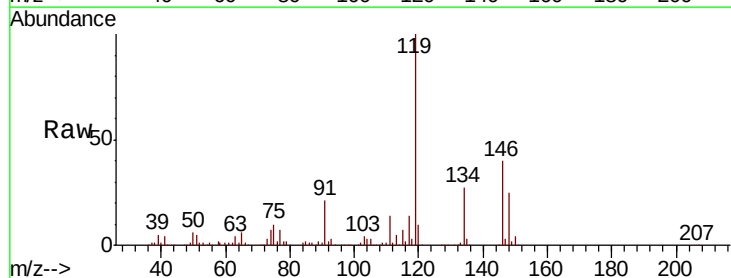
Tgt Ion:119 Resp: 238776

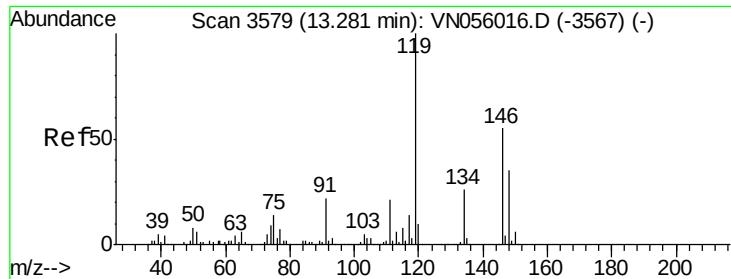
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

91 21.5 0.0 43.0

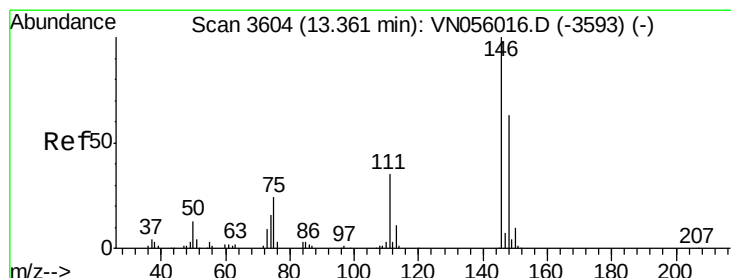
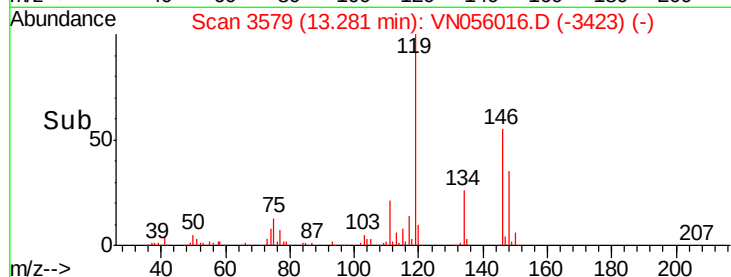
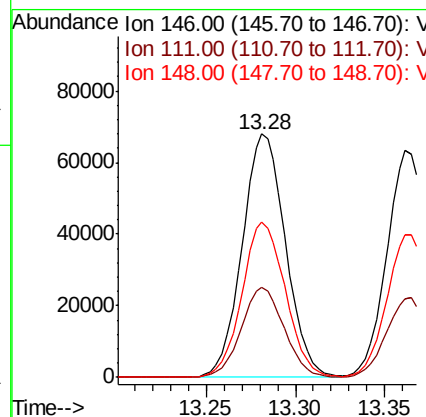
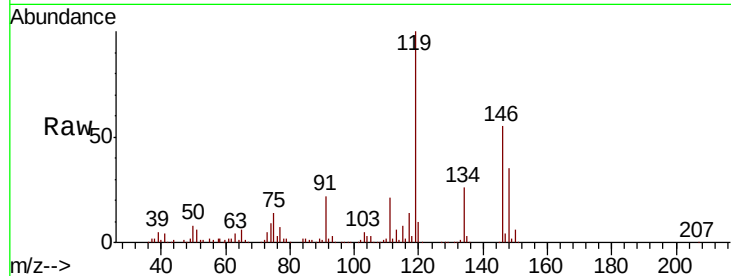




#83
 1,3-Dichlorobenzene
 Concen: 18.622 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

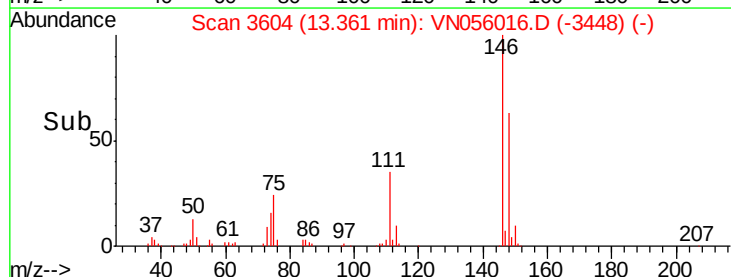
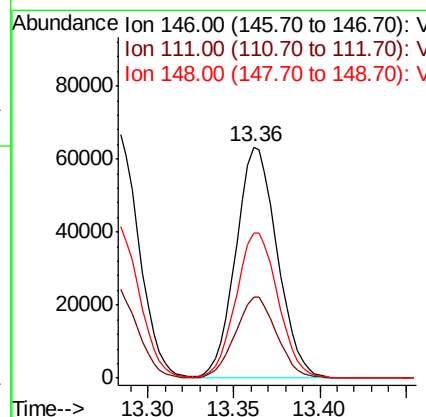
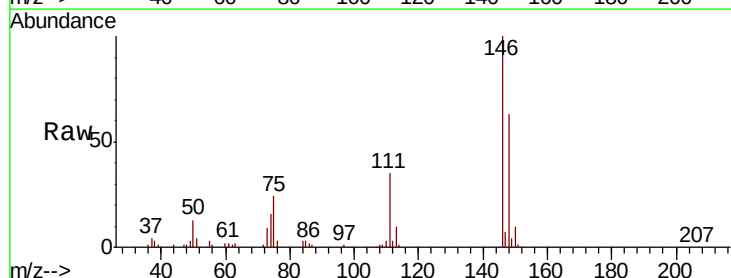
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

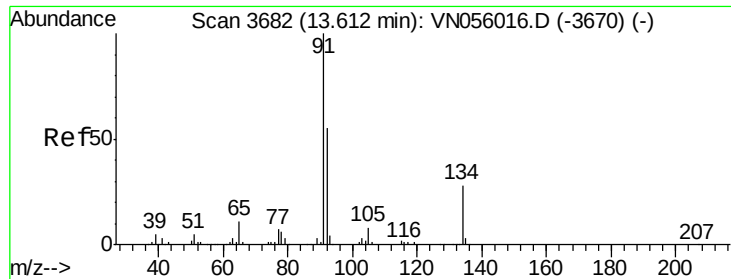
Tot Ion:146 Resp: 115189
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.2 54.6
 148 63.9 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.918 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion:146 Resp: 105181
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.6 52.9
 148 64.2 32.1 96.3





#85

n-Butylbenzene

Concen: 16.809 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

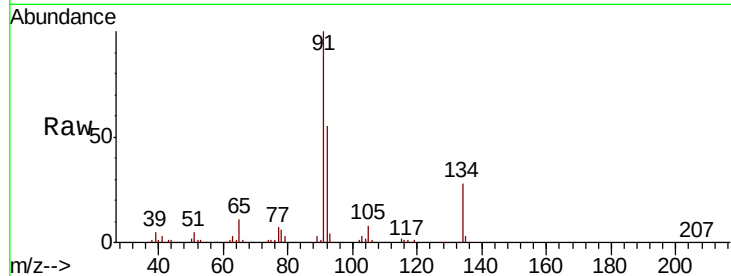
Tot Ion: 91 Resp: 163325

Ion Ratio Lower Upper

91 100

92 53.6 0.0 107.2

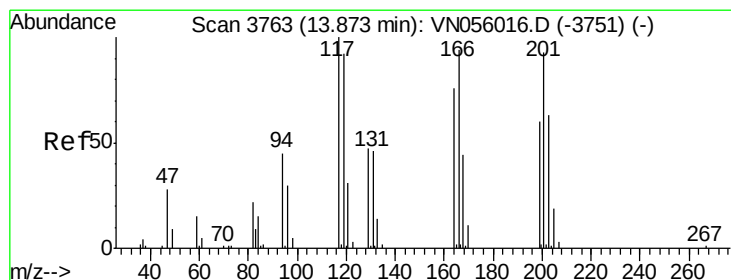
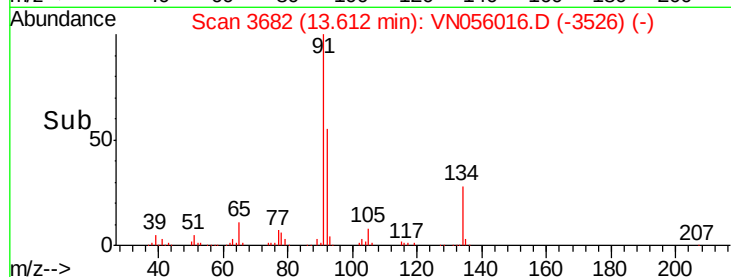
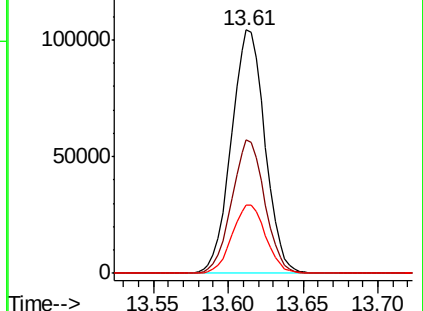
134 27.9 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056016.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056016.D (-3670) (-)



#86

Hexachloroethane

Concen: 14.994 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056016.D

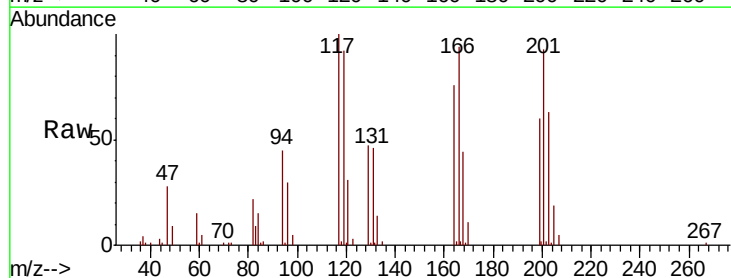
Acq: 5 Jun 2019 19:18

Tgt Ion: 117 Resp: 35523

Ion Ratio Lower Upper

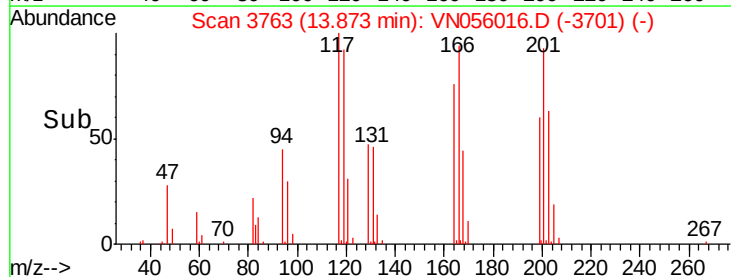
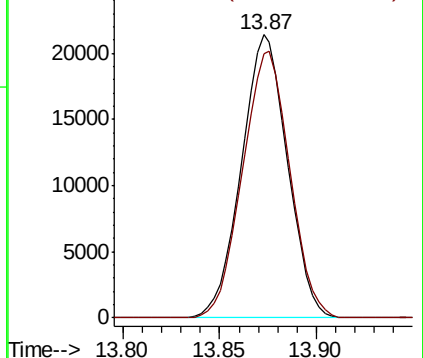
117 100

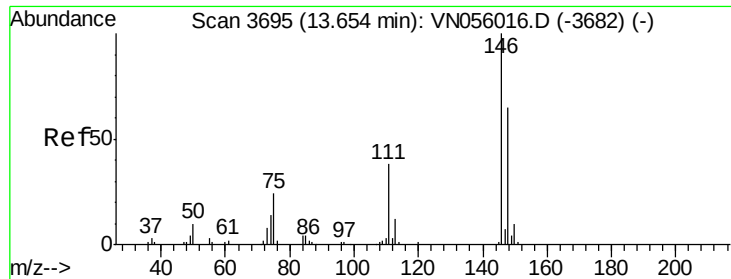
201 96.3 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056016.D (-3751) (-)

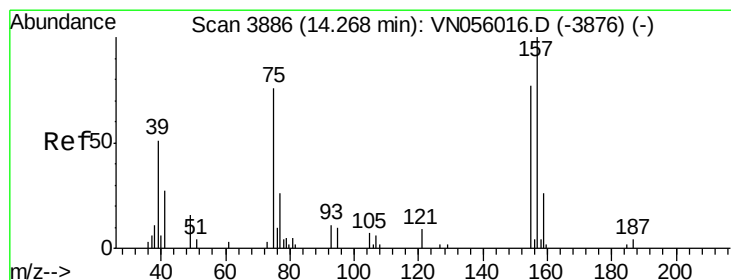
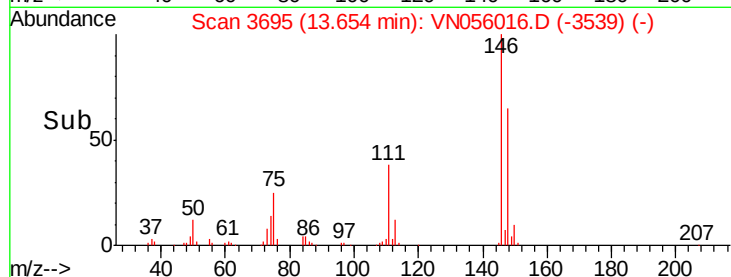
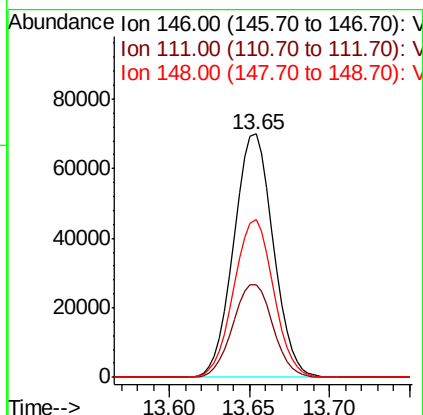
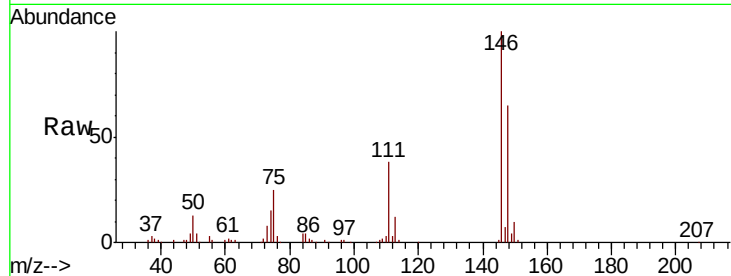




#87
 1,2-Dichlorobenzene
 Concen: 18.941 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

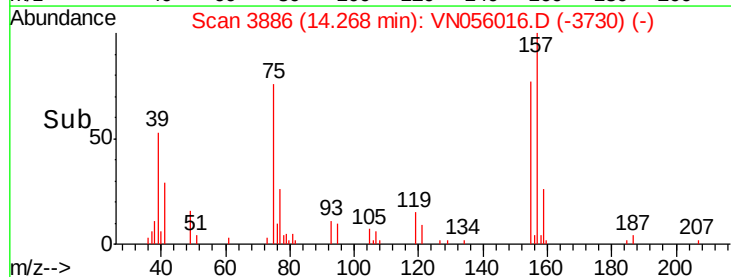
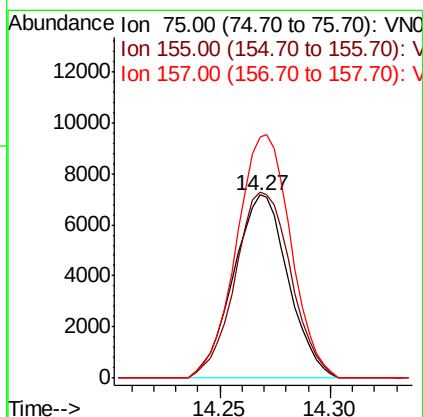
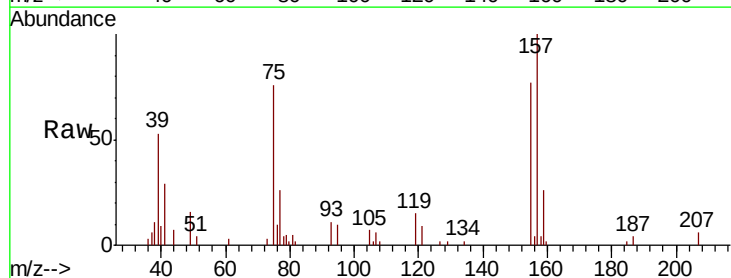
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

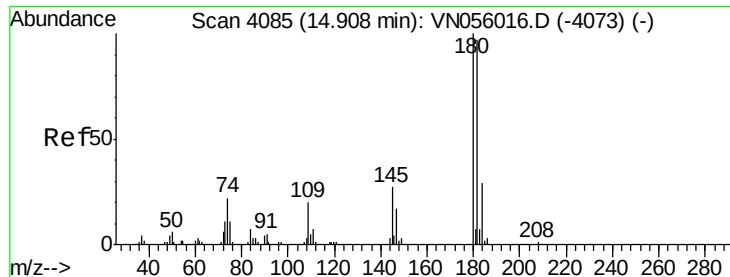
Tot Ion:146 Resp: 117984
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 65.2 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.972 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 75 Resp: 12395
 Ion Ratio Lower Upper
 75 100
 155 103.1 82.5 123.7
 157 131.4 105.1 157.7

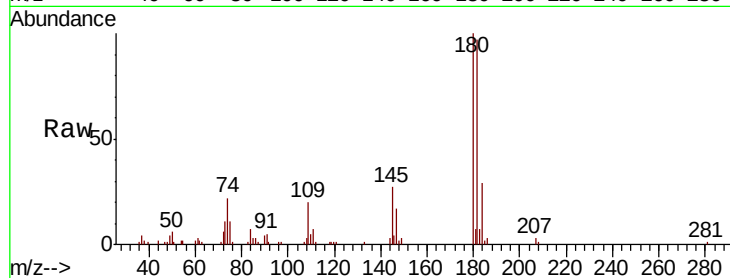




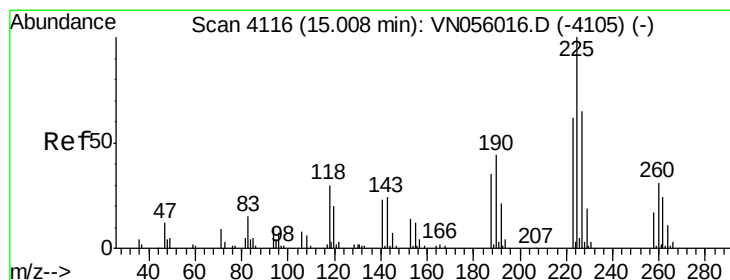
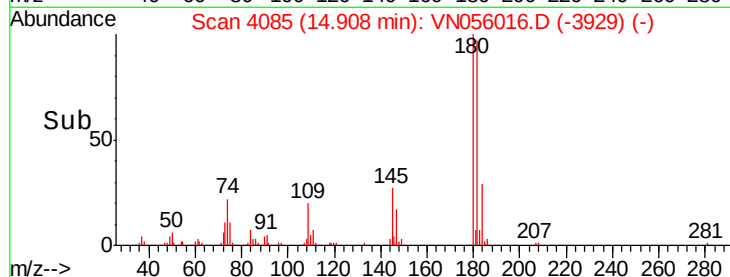
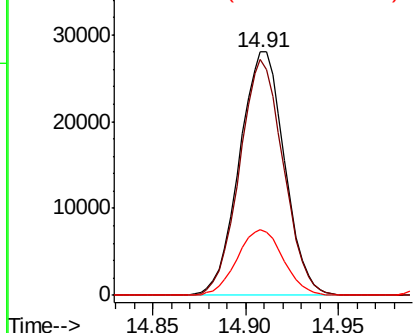
#89
 1,2,4-Trichlorobenzene
 Concen: 14.362 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:180 Resp: 47323
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 145 27.6 22.1 33.1

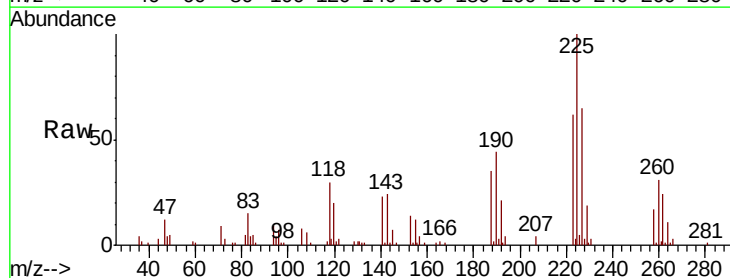


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

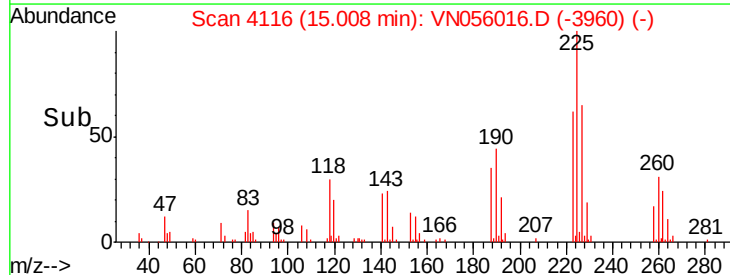
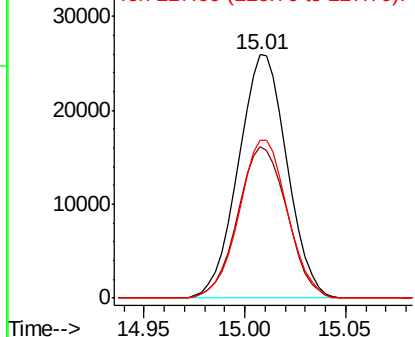


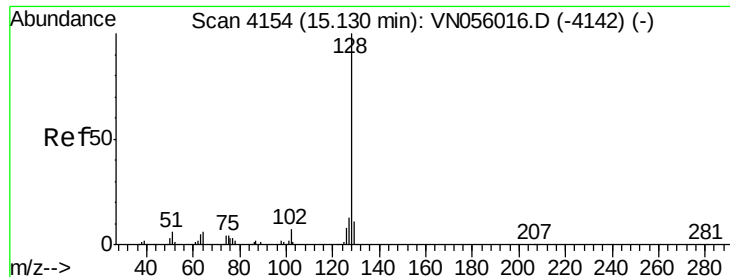
#90
 Hexachlorobutadiene
 Concen: 17.782 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion:225 Resp: 43833
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 125.6
 227 64.3 0.0 128.6



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





#91

Naphthalene

Concen: 14.526 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

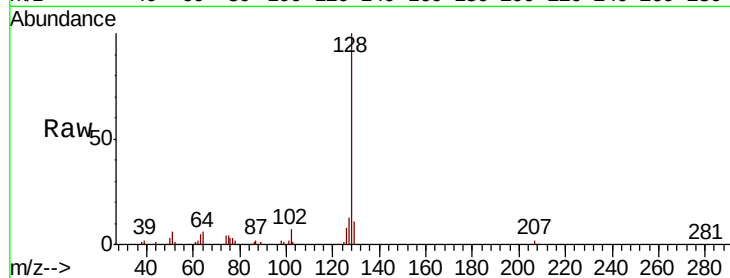
Tot Ion:128 Resp: 130352

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

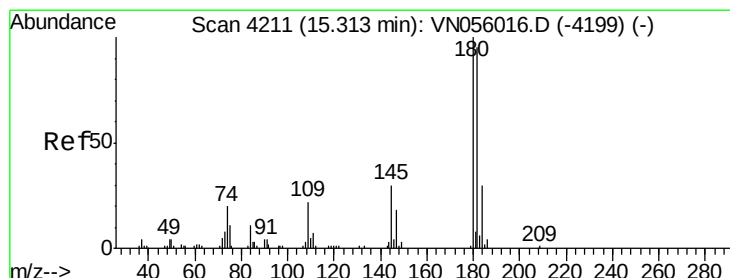
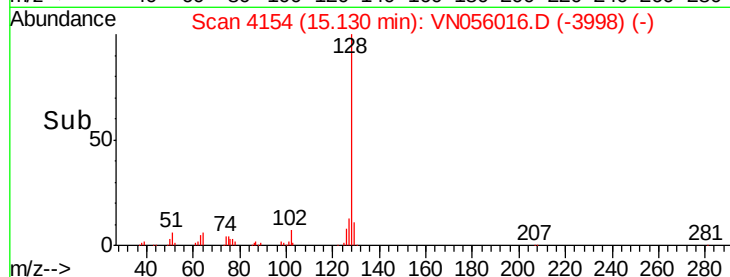
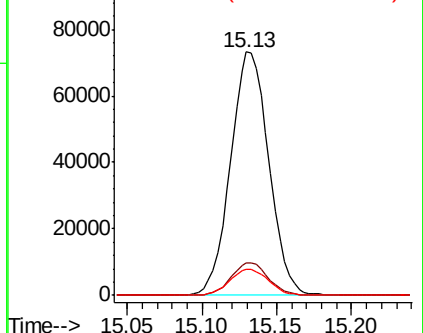
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.815 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

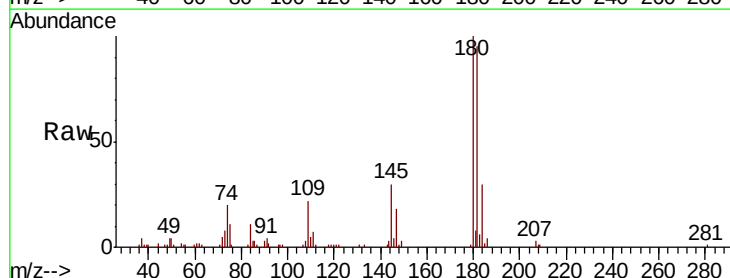
Tgt Ion:180 Resp: 54579

Ion Ratio Lower Upper

180 100

182 96.7 0.0 193.4

145 29.9 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

