

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056887.D
 Acq On : 23 Jul 2019 19:28
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jul 24 02:38:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59072	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	316957	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270969	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	114738	28.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.23%
60) 4-Bromofluorobenzene	12.40	95	119487	29.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.77%
63) Toluene-d8	10.09	98	394018	31.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	69964	20.844	ug/l 100
3) Chloromethane	2.06	50	85487	19.328	ug/l 100
4) Vinyl Chloride	2.19	62	82397	19.007	ug/l 100
5) Bromomethane	2.56	94	49777	18.261	ug/l 100
6) Chloroethane	2.70	64	45675	18.501	ug/l 100
7) Trichlorofluoromethane	3.02	101	98948	18.043	ug/l 100
8) Diethyl Ether	3.41	74	37427	16.793	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61881	18.069	ug/l 100
10) 1,1-Dichloroethene	3.73	96	61458	18.054	ug/l 100
11) Methyl Iodide	3.95	142	88158	19.123	ug/l 100
12) Methyl Acetate	4.33	43	71286	15.769	ug/l 100
13) Acrolein	3.60	56	43669	122.190	ug/l 100
14) Acrylonitrile	4.99	53	145536	74.782	ug/l 100
15) Acetone	3.82	58	38632	62.368	ug/l 100
16) Carbon Disulfide	4.04	76	159778	17.723	ug/l 100
17) Allyl chloride	4.32	41	99928	16.910	ug/l 100
18) Methylene Chloride	4.55	84	72181	18.069	ug/l 100
19) trans-1,2-Dichloroethene	5.04	96	64360	17.760	ug/l 100
20) Diisopropyl ether	5.95	45	213337	18.009	ug/l 100
21) 1,1-Dichloroethane	5.85	63	123200	18.158	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	76428	17.961	ug/l 100
23) tert-Butyl Alcohol	4.80	59	54027	78.856	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	182833	17.004	ug/l 100
25) Chloroform	7.37	83	119640	18.168	ug/l 100
26) Cyclohexane	7.65	56	109824	17.601	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	87201	17.895	ug/l 100
30) 2-Butanone	6.84	43	178510	67.472	ug/l 100
31) 2,2-Dichloropropane	6.83	77	81437	17.315	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	96516	18.407	ug/l 100
33) Carbon Tetrachloride	7.77	117	82571	18.310	ug/l 100
34) Benzene	8.04	78	281204	18.628	ug/l 100
35) Methacrylonitrile	7.18	41	38609	17.433	ug/l 100
36) 1,2-Dichloroethane	8.12	62	87321	18.122	ug/l 100
37) Trichloroethene	8.83	130	73976	18.130	ug/l 100
38) Methylcyclohexane	9.08	83	108361	17.650	ug/l 100
39) 1,2-Dichloropropane	9.12	63	74250	18.367	ug/l 100
40) Dibromomethane	9.21	93	45534	17.765	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	86218	18.145	ug/l	100
42) Vinyl Acetate	5.90	43	788383	84.857	ug/l	100
43) Ethyl Acetate	6.94	43	71842	14.646	ug/l	100
44) Isopropyl Acetate	8.17	43	122125	15.626	ug/l	100
45) 1,4-Dioxane	9.20	88	23145	299.860	ug/l	100
46) Methyl methacrylate	9.20	41	58966	15.745	ug/l	100
47) n-amyl Acetate	12.07	43	90998	14.356	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	85993	16.591	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	103096	17.526	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	67502	17.995	ug/l	100
51) Ethyl methacrylate	10.43	69	92790	16.323	ug/l	100
52) 1,3-Dichloropropane	10.71	76	111693	17.937	ug/l	100
53) Dibromochloromethane	10.90	129	66298	17.468	ug/l	100
54) 1,2-Dibromoethane	11.00	107	66200	17.120	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	205710	76.053	ug/l	100
56) Bromoform	12.12	173	44484	16.002	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	373290	77.532	ug/l	100
59) 2-Hexanone	10.75	43	246796	69.422	ug/l	100
61) Tetrachloroethene	10.63	164	78495	20.301	ug/l	100
62) Toluene	10.15	91	293878	18.851	ug/l	100
64) Chlorobenzene	11.43	112	174570	18.380	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	67259	19.148	ug/l	100
66) Ethyl Benzene	11.51	91	305172	18.221	ug/l	100
67) m/p-Xylenes	11.62	106	228501	36.253	ug/l	100
68) o-Xylene	11.94	106	112319	18.158	ug/l	100
69) Styrene	11.96	104	179326	17.598	ug/l	100
70) Isopropylbenzene	12.25	105	297967	18.418	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	85831	16.642	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	99207	22.610	ug/l	65
73) Bromobenzene	12.53	156	75026	17.796	ug/l	100
74) n-propylbenzene	12.59	91	314500	17.453	ug/l	100
75) 2-Chlorotoluene	12.67	91	196608	17.986	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	249246	18.184	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20893	14.325	ug/l	100
78) 4-Chlorotoluene	12.77	91	181266	17.195	ug/l	100
79) tert-butylbenzene	12.99	119	212900	18.175	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	246484	18.102	ug/l	100
81) sec-Butylbenzene	13.17	105	276165	17.894	ug/l	100
82) p-Isopropyltoluene	13.28	119	248201	17.741	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	114569	16.507	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105519	15.936	ug/l	100
85) n-Butylbenzene	13.61	91	185797	16.256	ug/l	100
86) Hexachloroethane	13.87	117	40678	18.206	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	117622	16.807	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.26	75	12633	14.363	ug/l	100
89) 1,2,4-Trichlorobenzene	14.90	180	44630	12.202	ug/l	100
90) Hexachlorobutadiene	15.01	225	43551	17.759	ug/l	100
91) Naphthalene	15.13	128	113800	11.489	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	52718	13.582	ug/l	100

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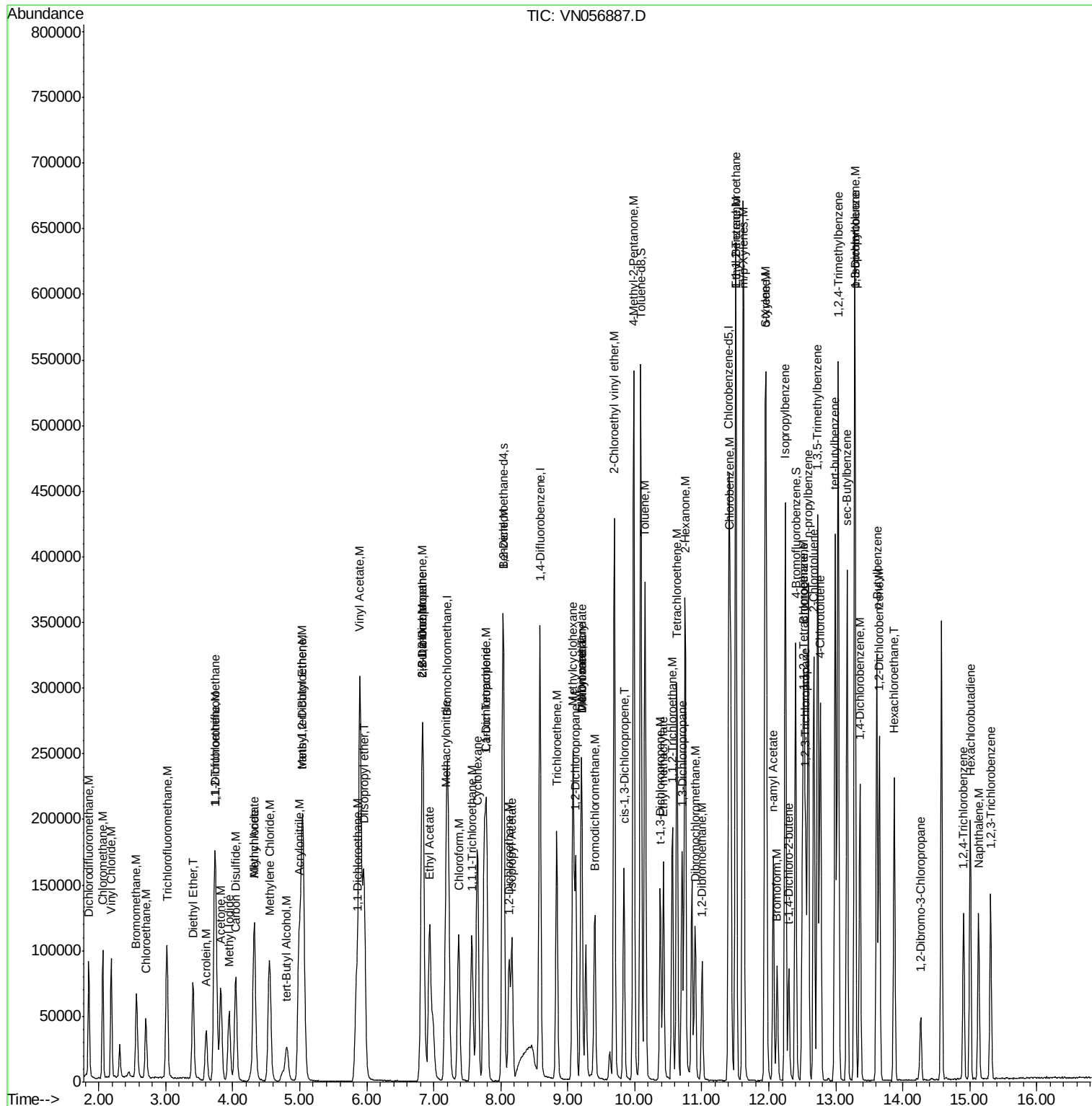
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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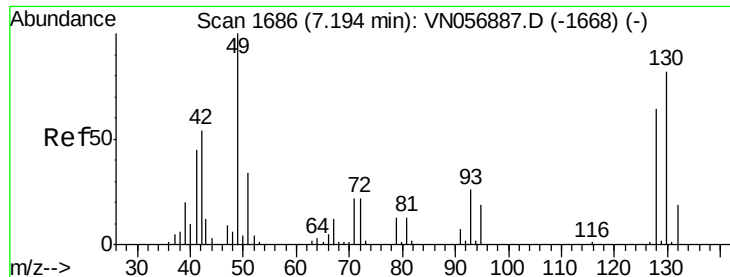
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDICCC020

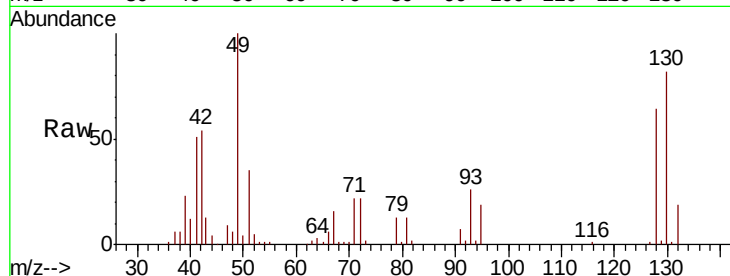
Tot Ion:128 Resp: 59072

Ion Ratio Lower Upper

128 100

49 154.3 0.0 385.8

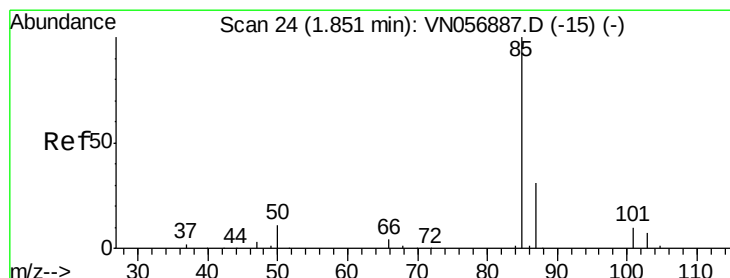
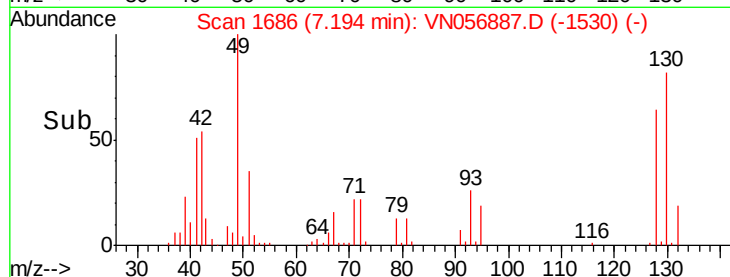
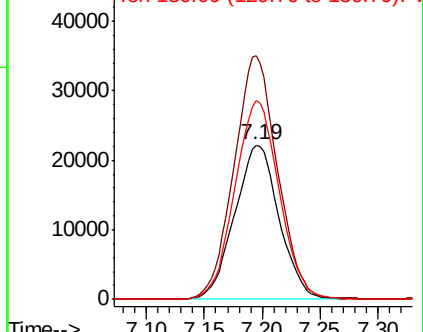
130 129.0 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.844 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056887.D

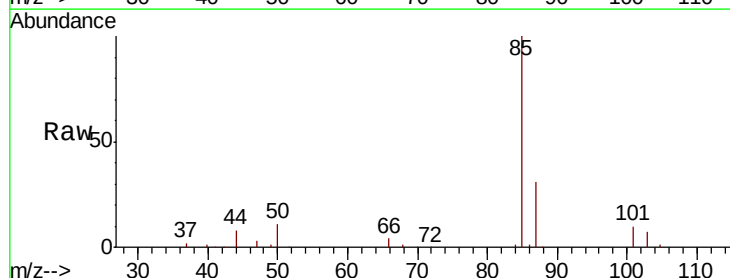
Acq: 23 Jul 2019 19:28

Tgt Ion: 85 Resp: 69964

Ion Ratio Lower Upper

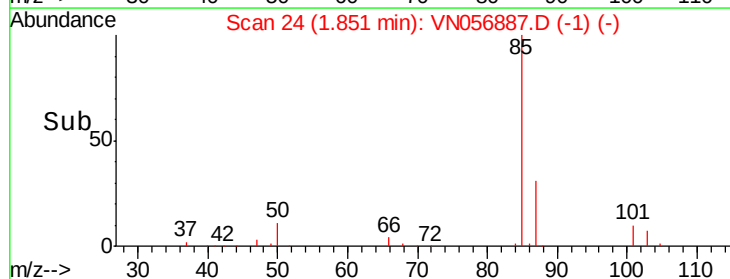
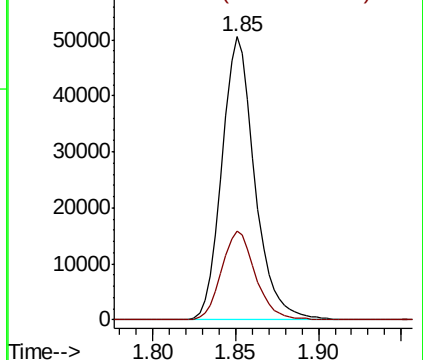
85 100

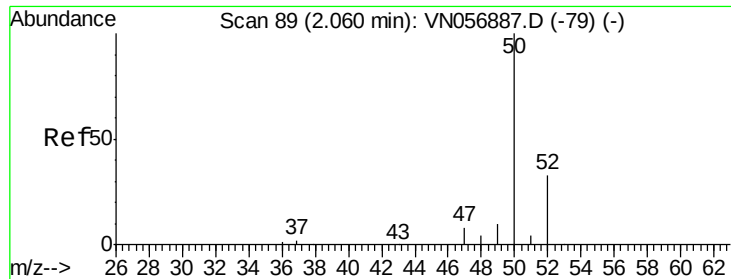
87 31.2 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.328 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

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ClientSampleId :

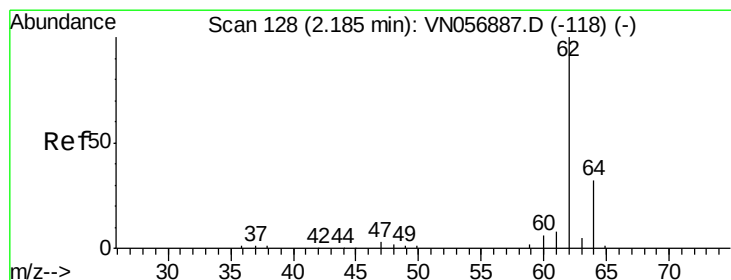
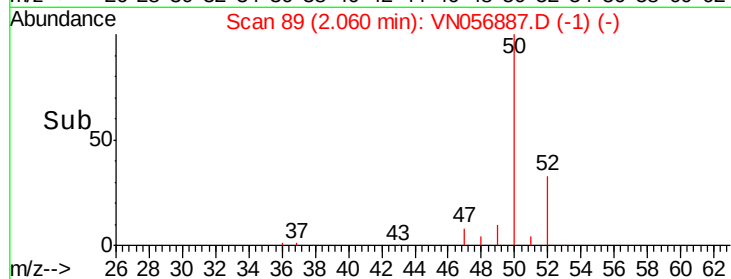
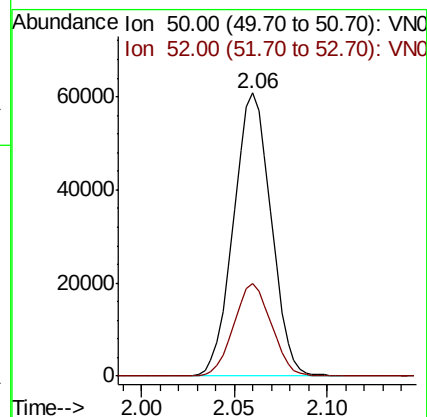
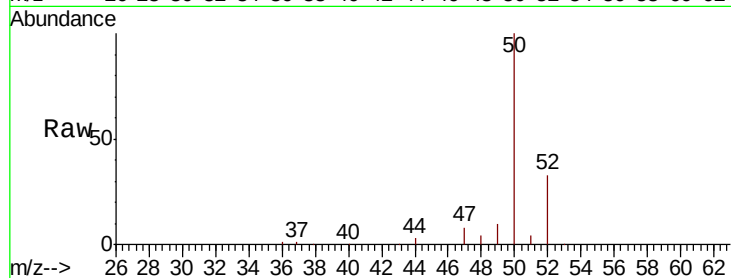
VSTDICCC020

Tot Ion: 50 Resp: 85487

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 19.007 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056887.D

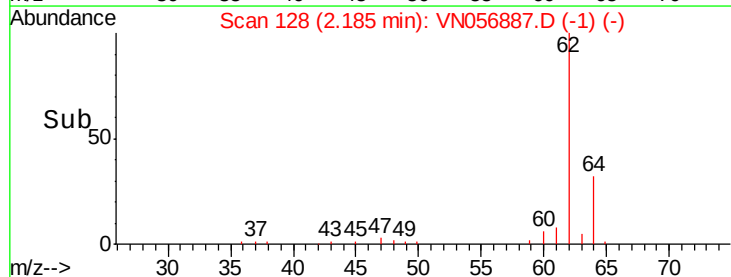
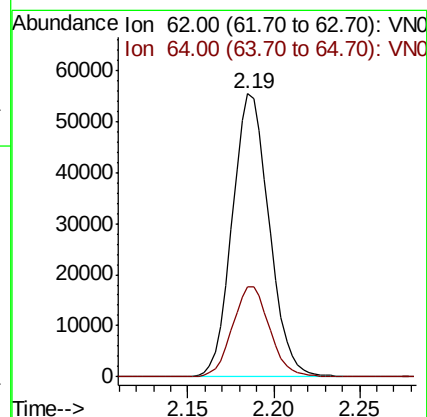
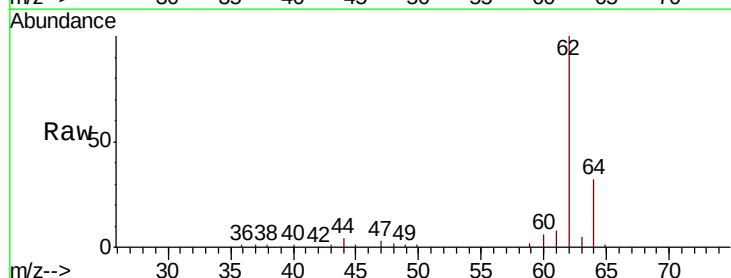
Acq: 23 Jul 2019 19:28

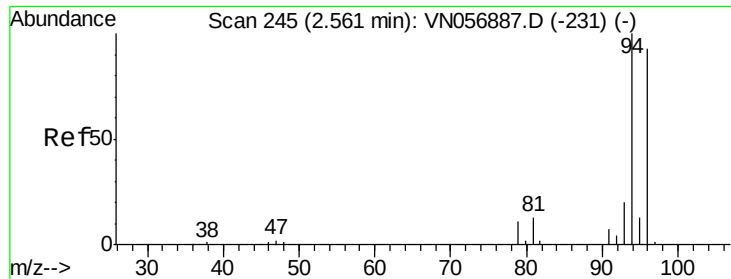
Tgt Ion: 62 Resp: 82397

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0

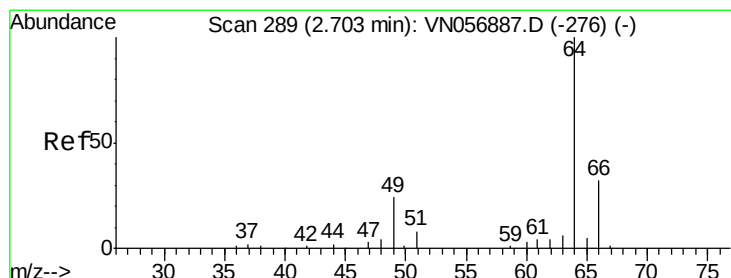
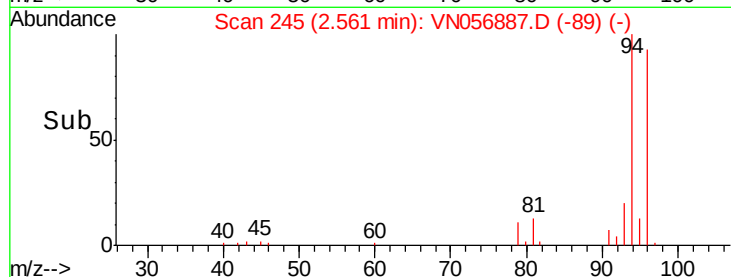
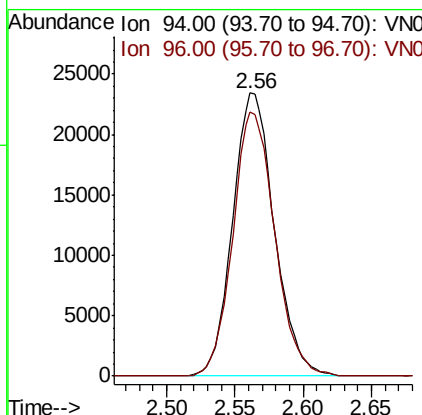
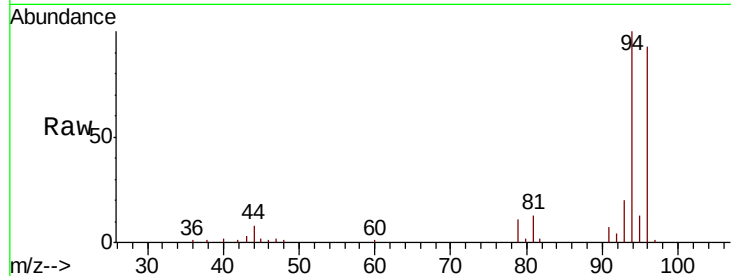




#5
Bromomethane
Concen: 18.261 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

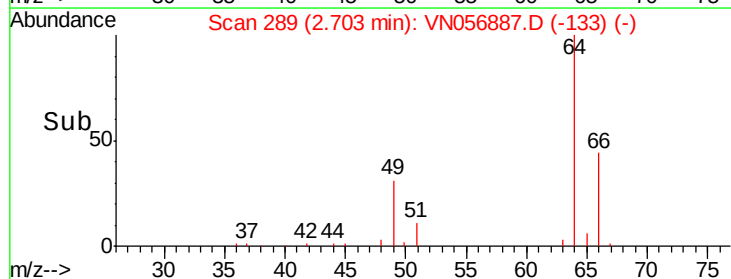
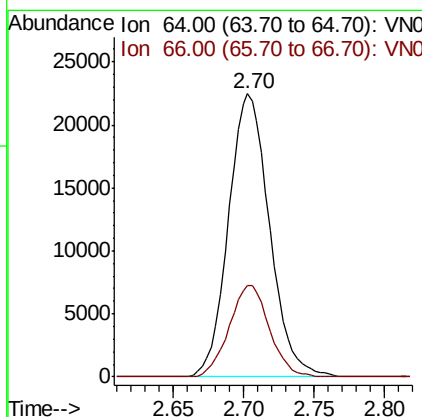
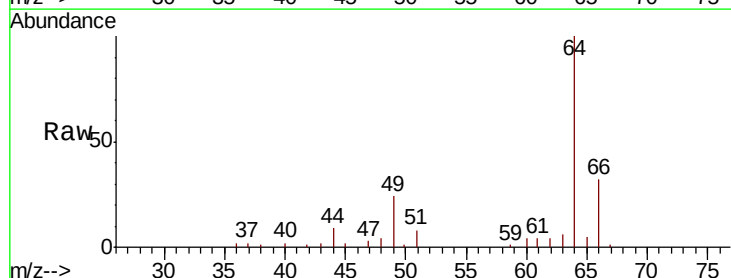
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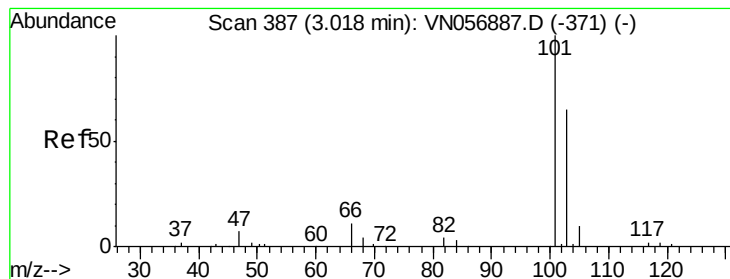
Tot Ion: 94 Resp: 49777
Ion Ratio Lower Upper
94 100
96 93.4 74.7 112.1



#6
Chloroethane
Concen: 18.501 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 64 Resp: 45675
Ion Ratio Lower Upper
64 100
66 32.3 25.8 38.8



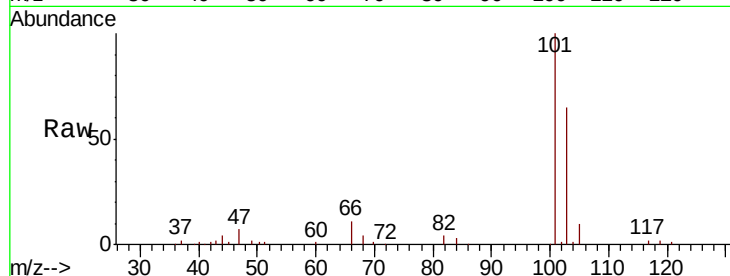


#7

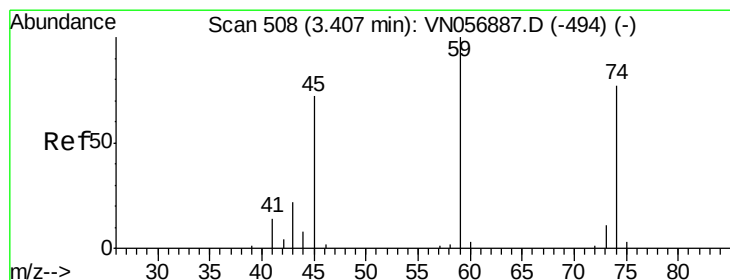
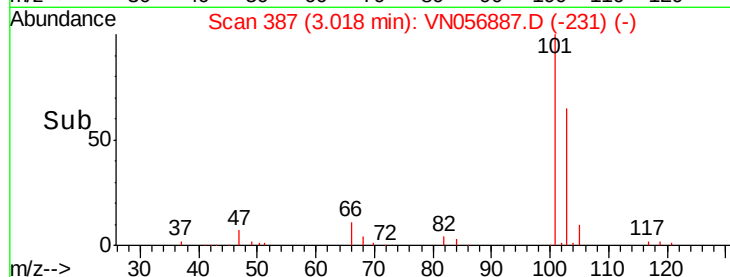
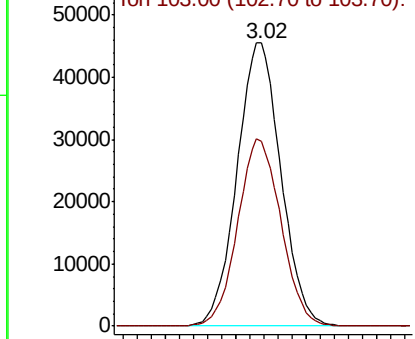
Trichlorofluoromethane
Concen: 18.043 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
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Tot Ion:101 Resp: 98948
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4



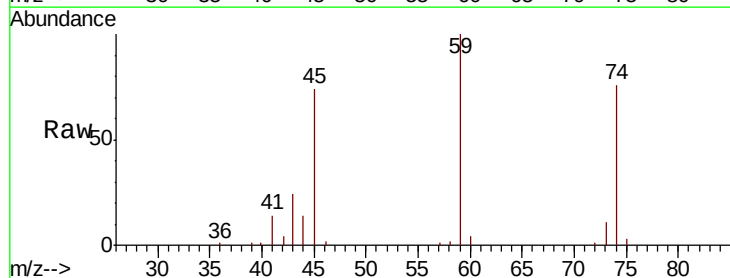
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



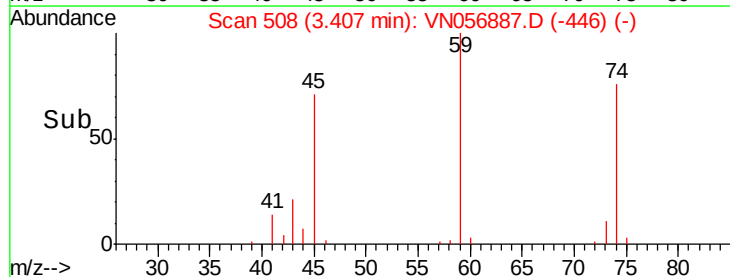
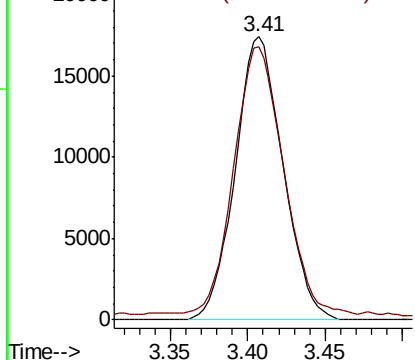
#8

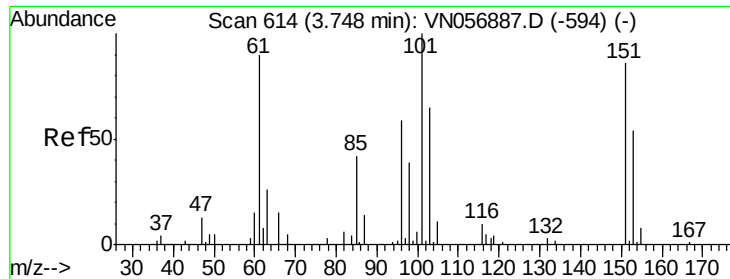
Diethyl Ether
Concen: 16.793 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 74 Resp: 37427
Ion Ratio Lower Upper
74 100
45 97.6 19.5 175.7



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: 18.069 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

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ClientSampleId :

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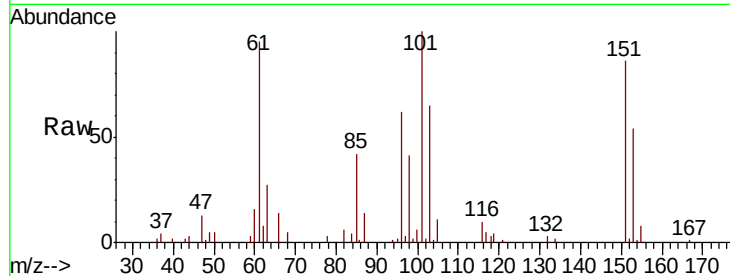
Tot Ion:101 Resp: 61881

Ion Ratio Lower Upper

101 100

85 42.5 0.0 85.0

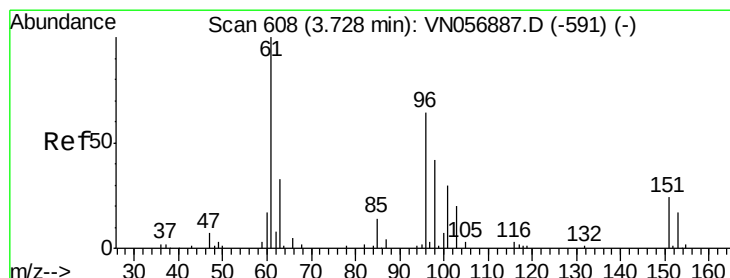
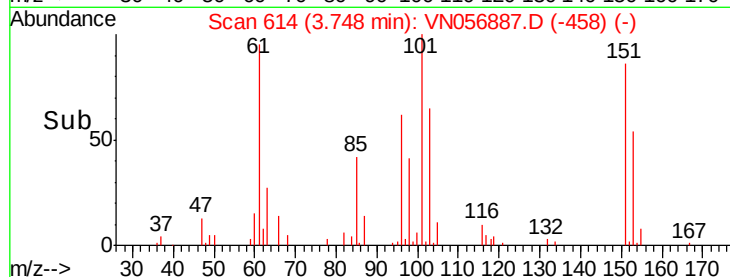
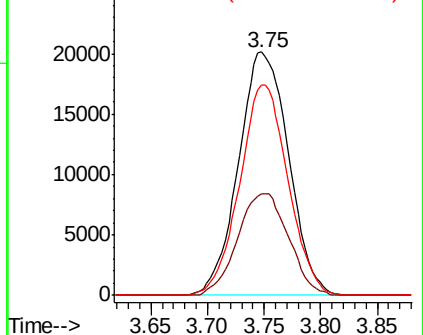
151 83.6 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.054 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

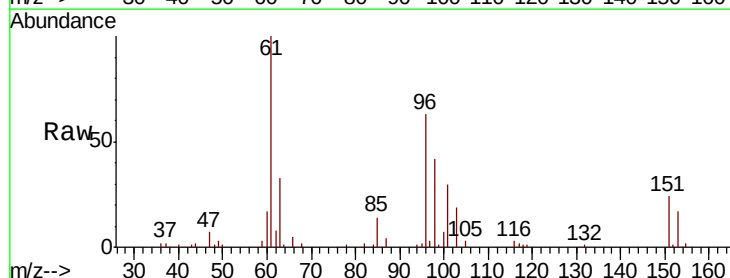
Tgt Ion: 96 Resp: 61458

Ion Ratio Lower Upper

96 100

61 157.3 125.8 188.8

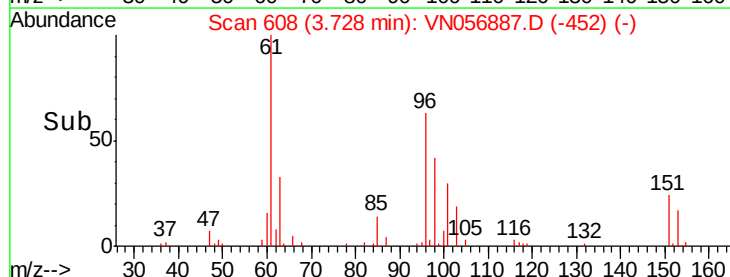
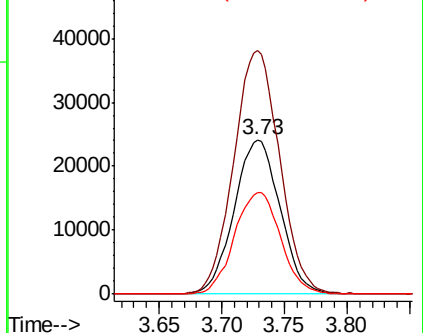
98 65.9 52.7 79.1

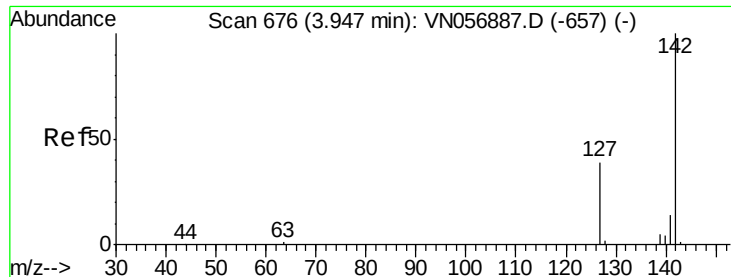


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

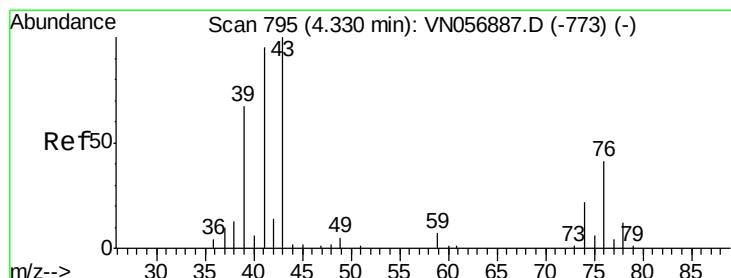
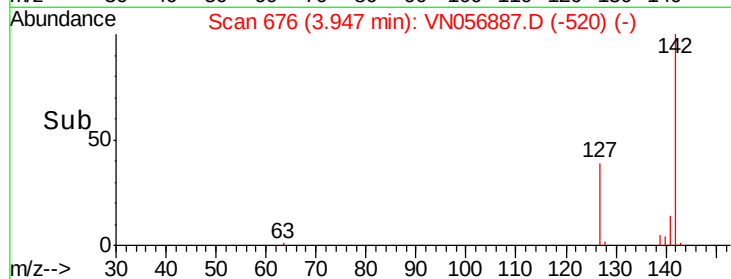
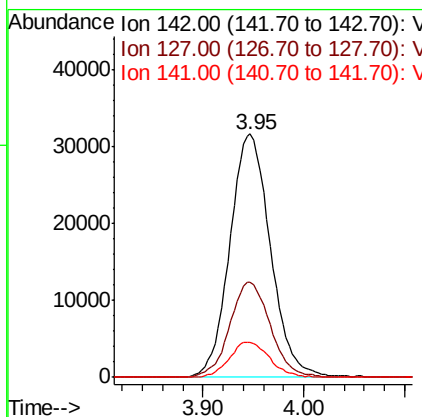
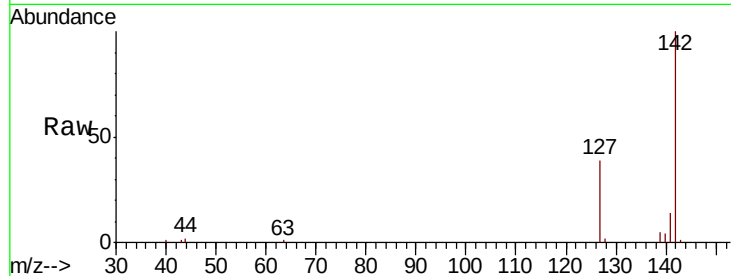




#11
Methvl Iodide
Concen: 19.123 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

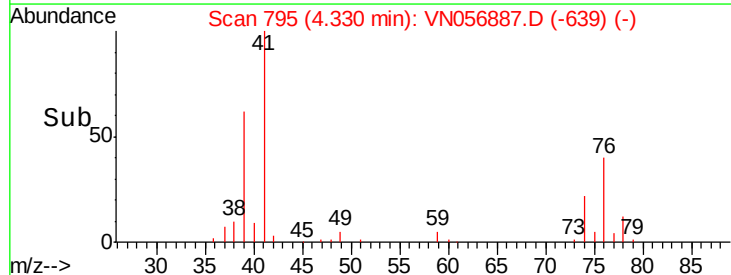
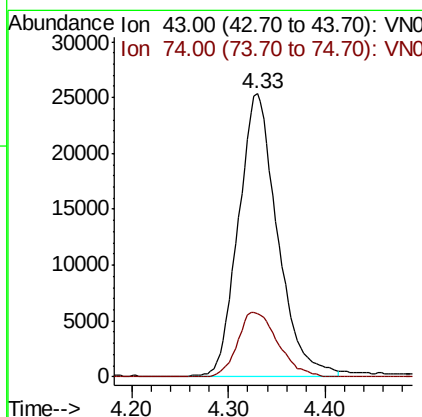
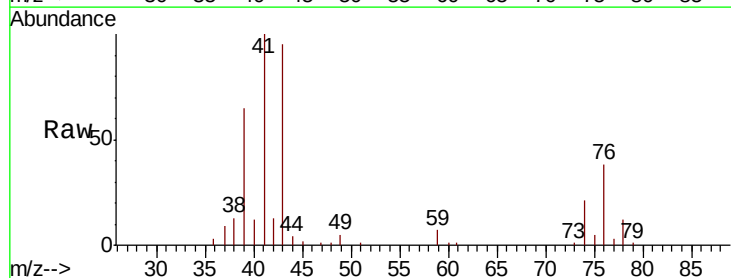
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

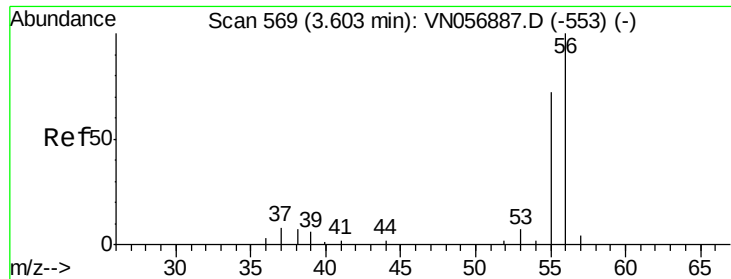
Tot Ion:142 Resp: 88158
Ion Ratio Lower Upper
142 100
127 39.2 19.6 58.8
141 14.4 7.2 21.6



#12
Methyl Acetate
Concen: 15.769 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 71286
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1





#13

Acrolein

Concen: 122.190 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

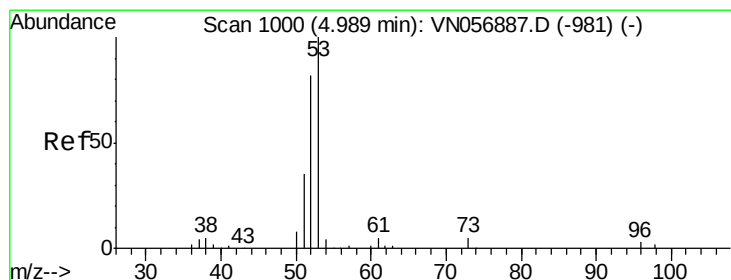
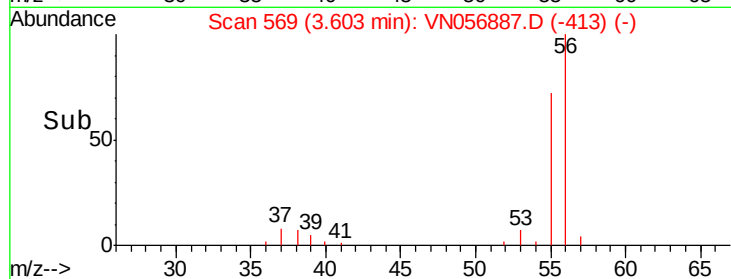
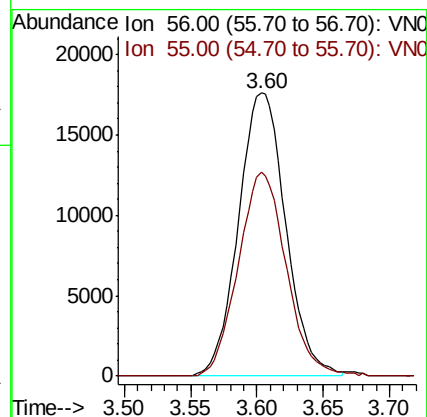
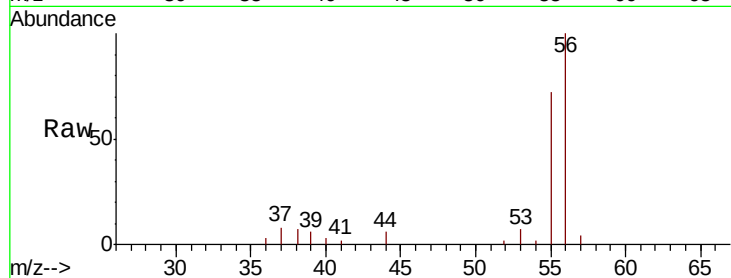
VSTDICCC020

Tot Ion: 56 Resp: 43669

Ion Ratio Lower Upper

56 100

55 73.1 58.5 87.7



#14

Acrylonitrile

Concen: 74.782 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

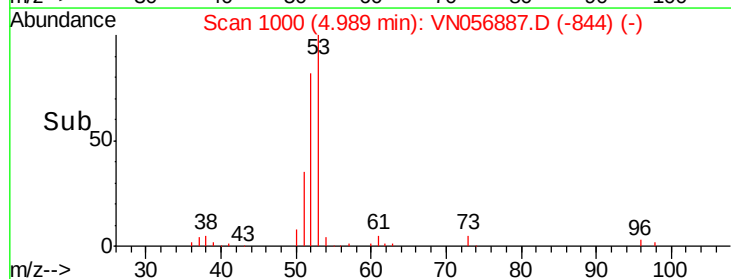
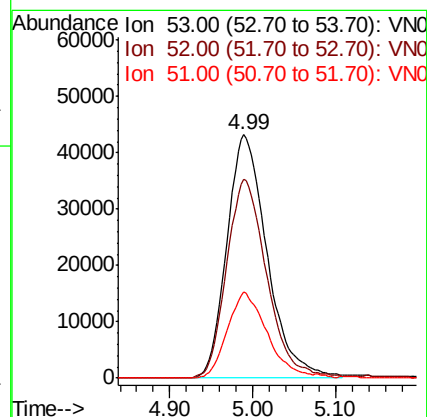
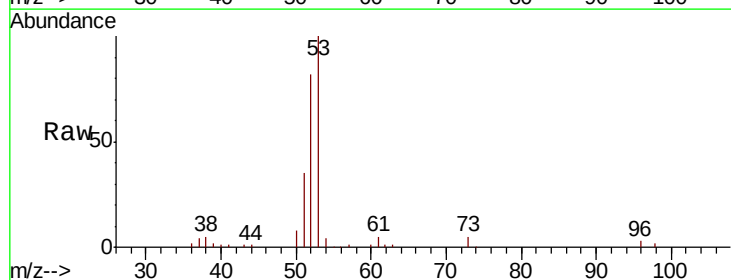
Tgt Ion: 53 Resp: 145536

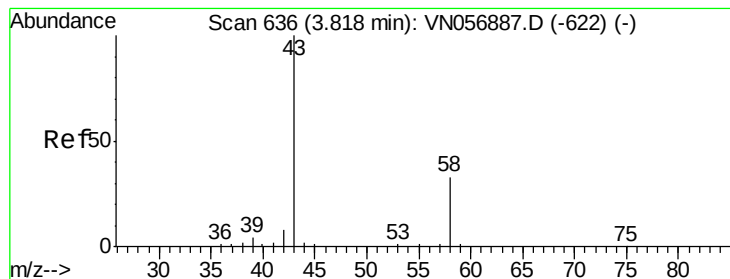
Ion Ratio Lower Upper

53 100

52 81.7 40.8 122.5

51 34.8 17.4 52.2





#15

Acetone

Concen: 62.368 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

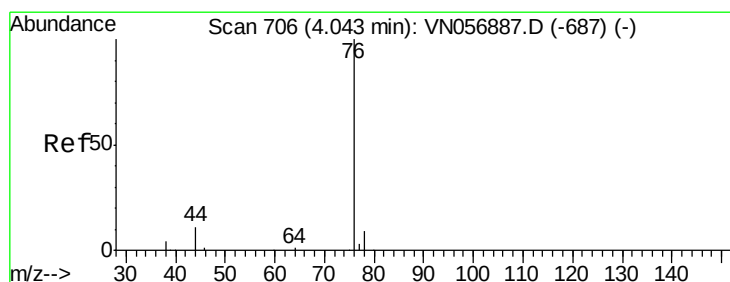
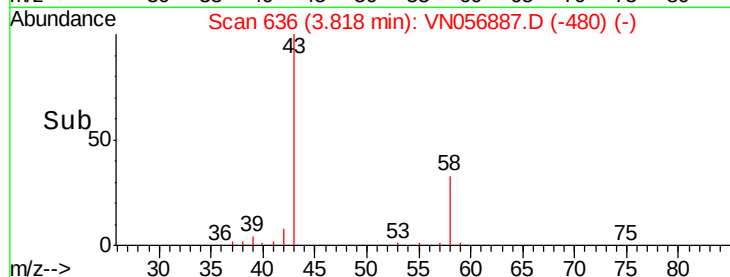
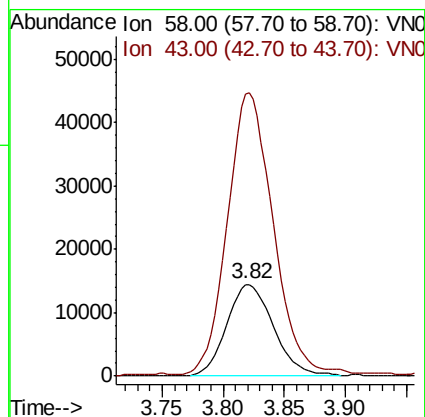
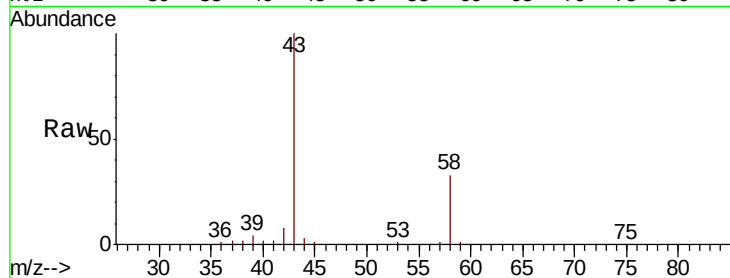
VSTDICCC020

Tot Ion: 58 Resp: 38632

Ion Ratio Lower Upper

58 100

43 303.0 242.4 363.6



#16

Carbon Disulfide

Concen: 17.723 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN056887.D

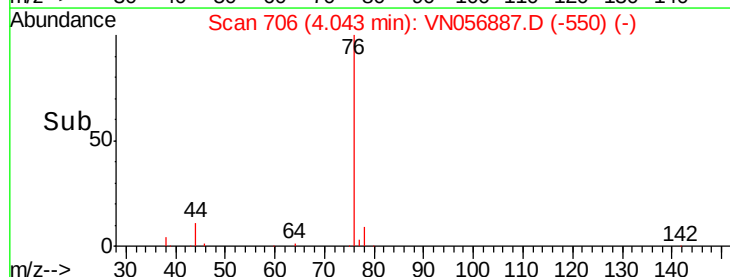
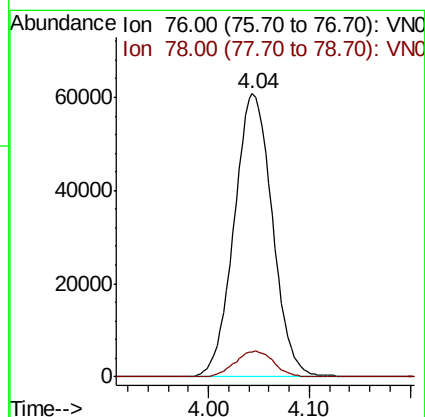
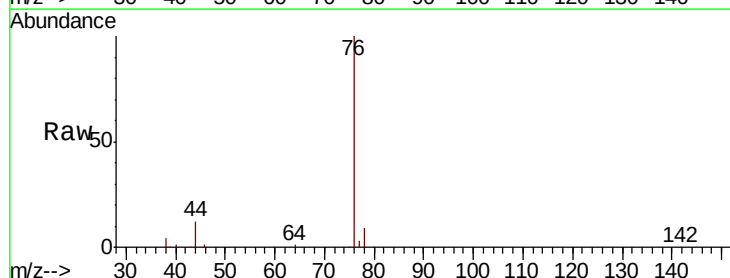
Acq: 23 Jul 2019 19:28

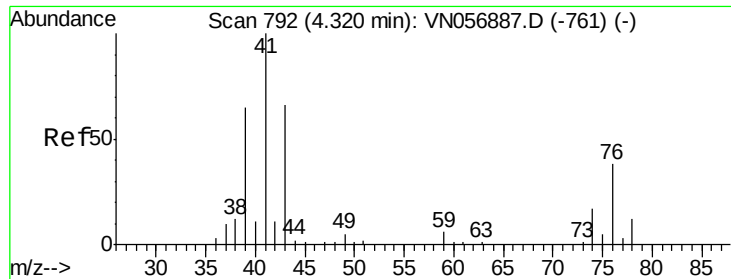
Tgt Ion: 76 Resp: 159778

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

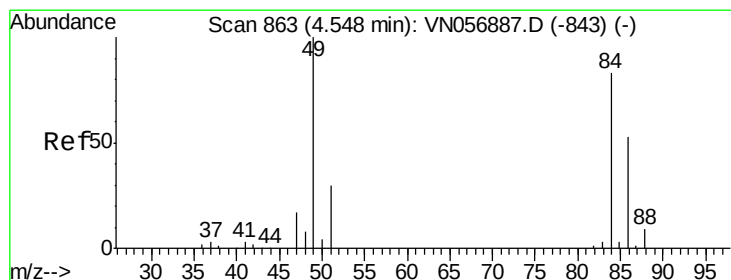
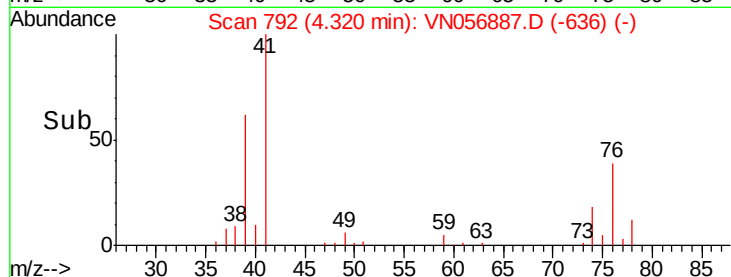
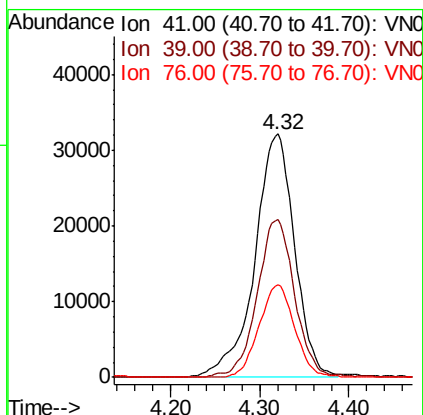
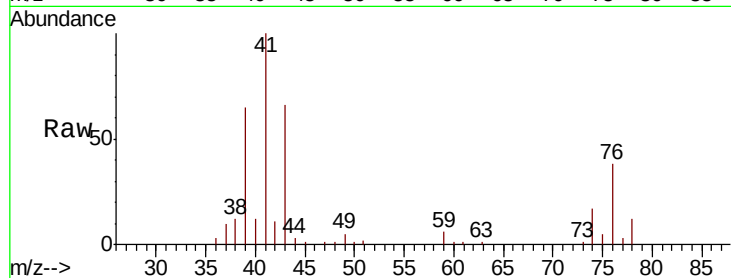




#17
Allvl chloride
Concen: 16.910 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

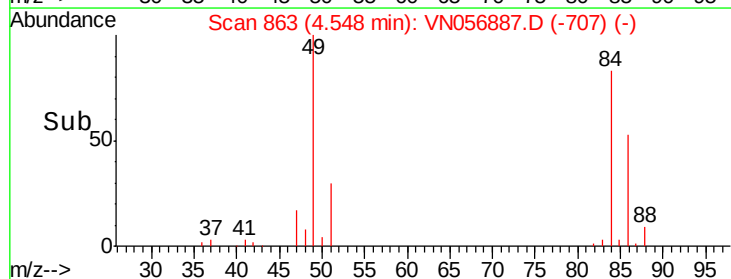
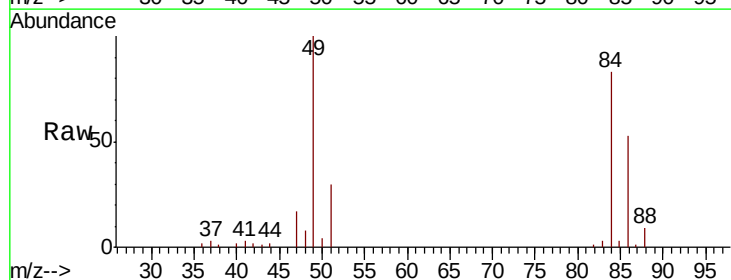
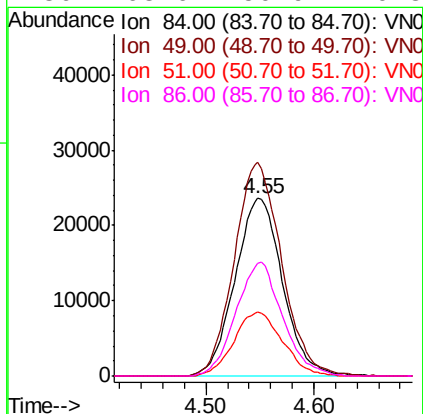
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

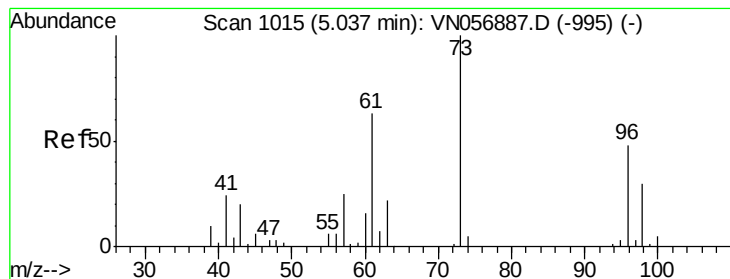
Tot Ion: 41 Resp: 99928
Ion Ratio Lower Upper
41 100
39 64.7 32.4 97.0
76 38.0 19.0 57.0



#18
Methylene Chloride
Concen: 18.069 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 84 Resp: 72181
Ion Ratio Lower Upper
84 100
49 120.4 96.3 144.5
51 36.0 28.8 43.2
86 63.6 50.9 76.3





#19

trans-1,2-Dichloroethene

Concen: 17.760 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

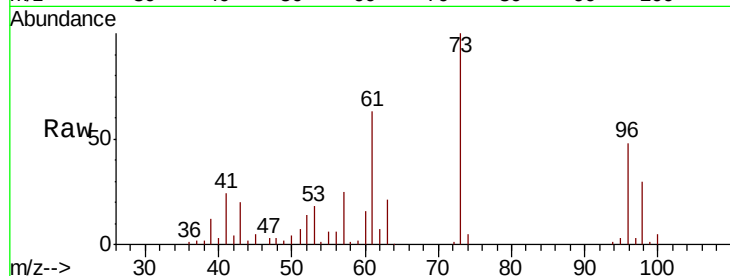
Tot Ion: 96 Resp: 64360

Ion Ratio Lower Upper

96 100

61 131.7 105.4 158.0

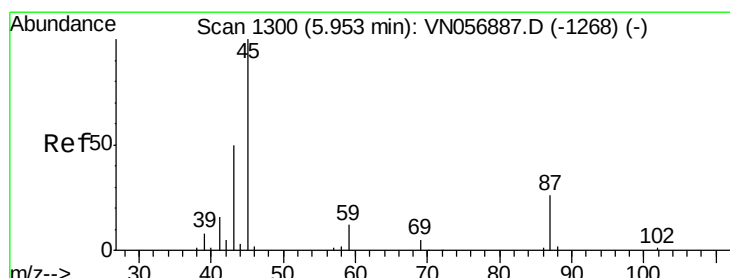
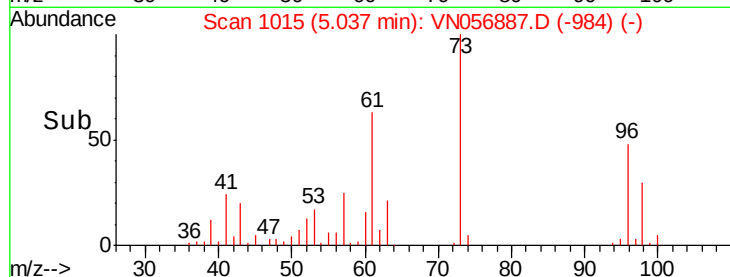
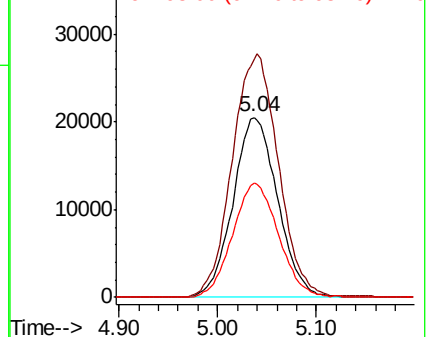
98 63.5 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-995) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-995) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-995) (-)



#20

Diisopropyl ether

Concen: 18.009 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Tgt Ion: 45 Resp: 213337

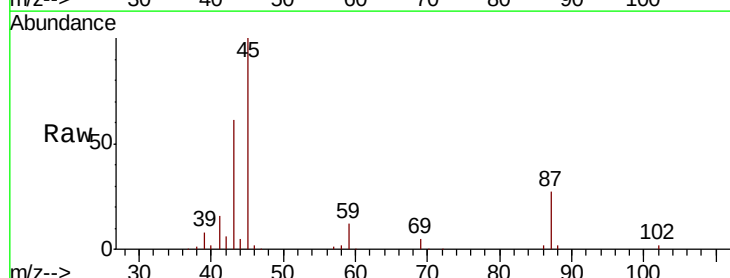
Ion Ratio Lower Upper

45 100

43 59.2 47.4 71.0

87 27.1 21.7 32.5

59 11.6 9.3 13.9

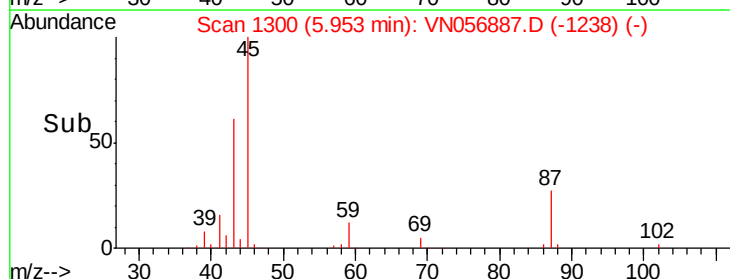
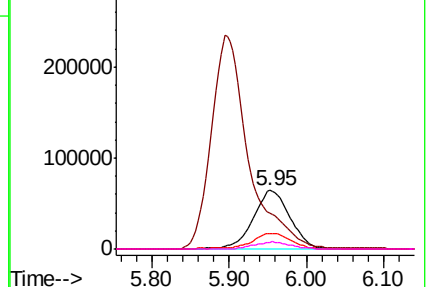


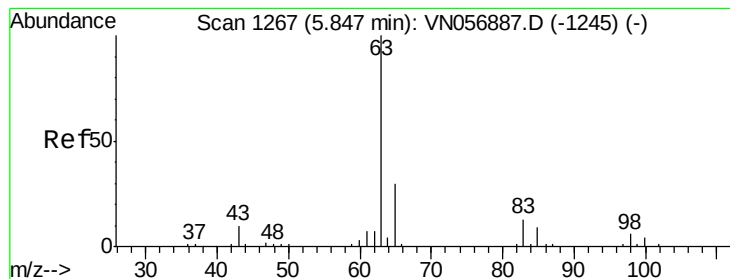
Abundance Ion 45.00 (44.70 to 45.70): VN056887.D (-1268) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VN056887.D (-1268) (-)

Ion 59.00 (58.70 to 59.70): VN056887.D (-1268) (-)





#21

1,1-Dichloroethane

Concen: 18.158 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

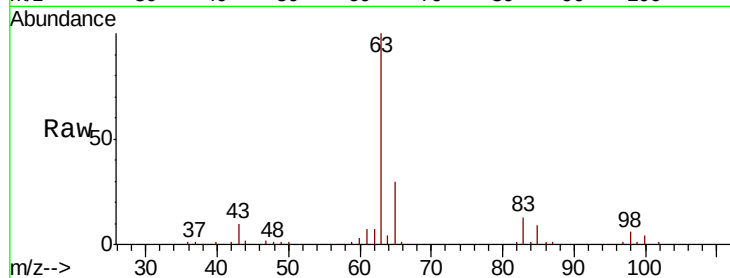
Tot Ion: 63 Resp: 123200

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

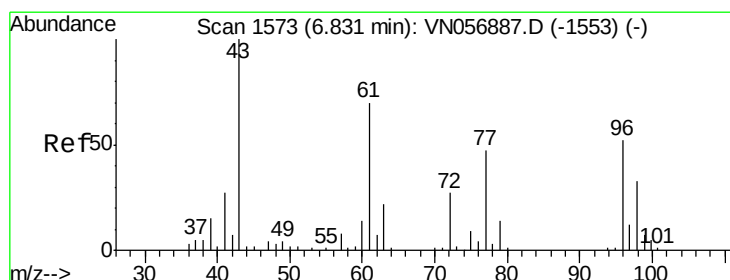
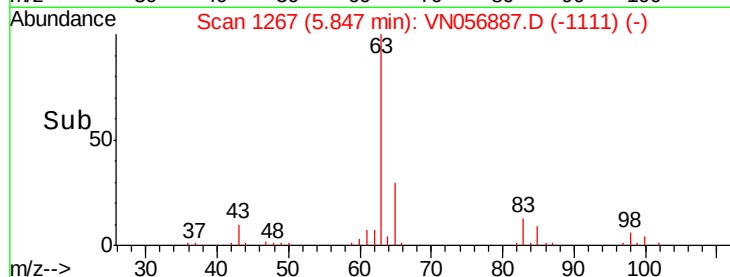
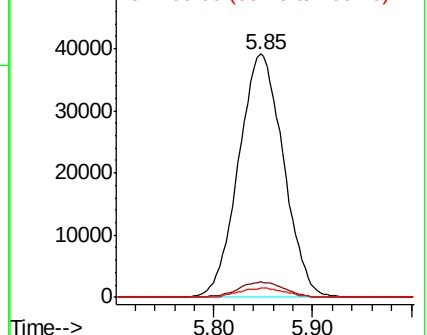
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056887.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.961 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

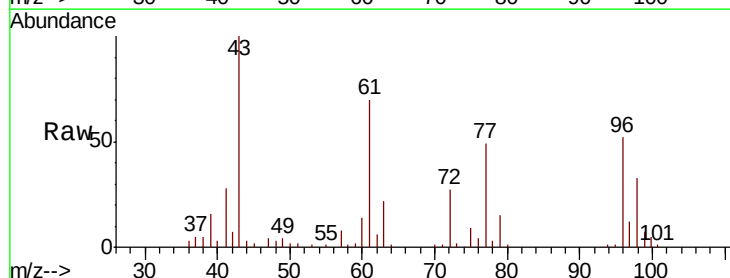
Tgt Ion: 96 Resp: 76428

Ion Ratio Lower Upper

96 100

61 139.5 111.6 167.4

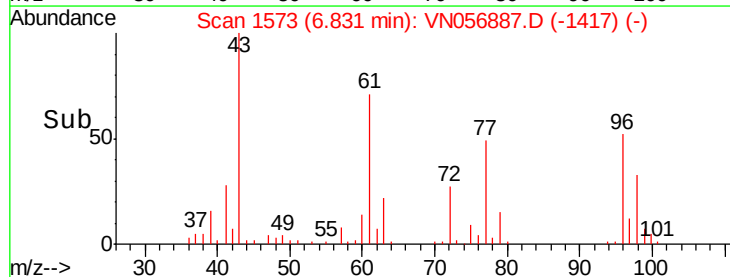
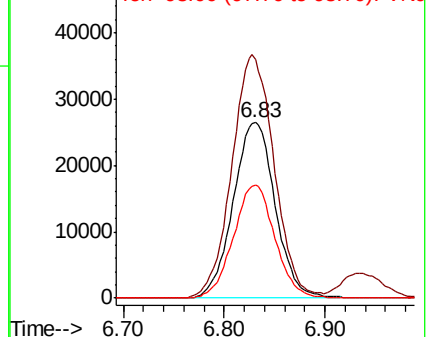
98 63.7 51.0 76.4

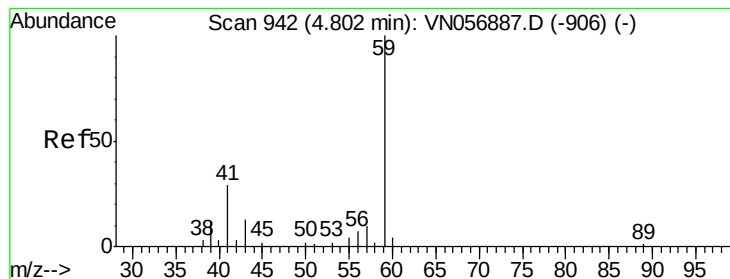


Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1553) (-)





#23

tert-Butyl Alcohol

Concen: 78.856 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

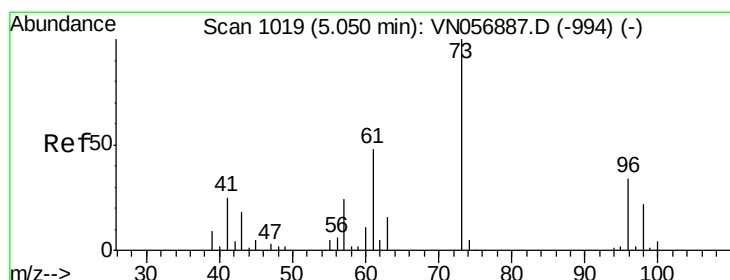
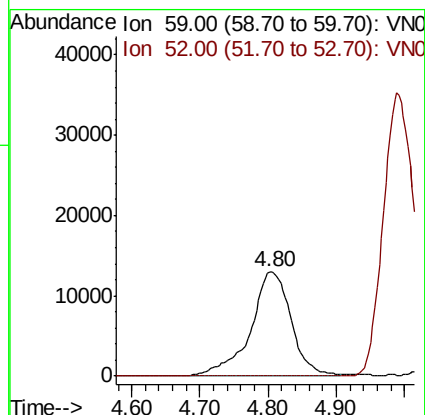
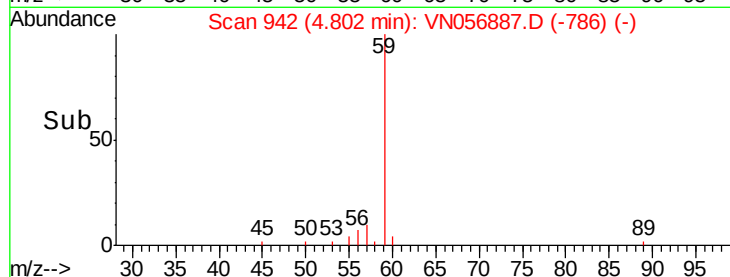
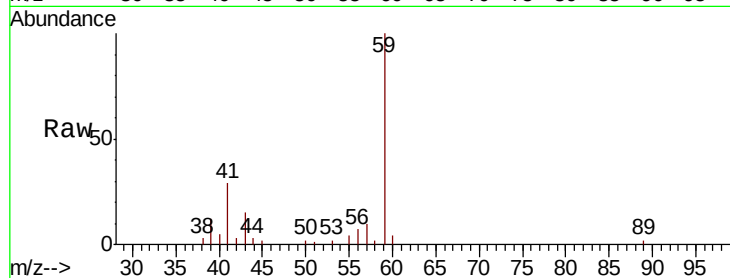
VSTDICCC020

Tot Ion: 59 Resp: 54027

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 17.004 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056887.D

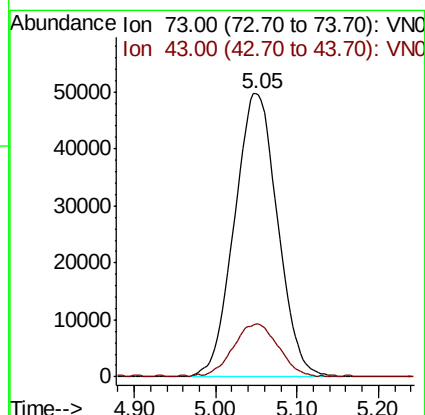
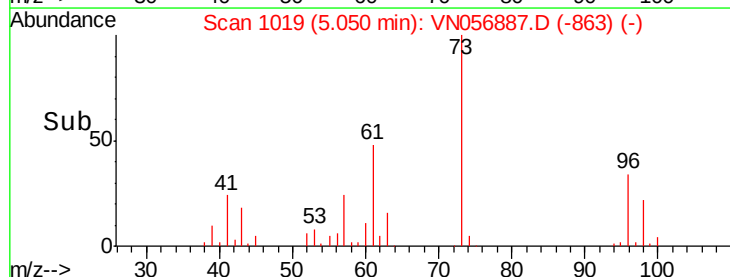
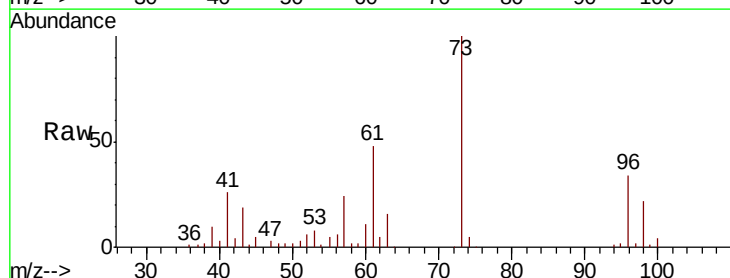
Acq: 23 Jul 2019 19:28

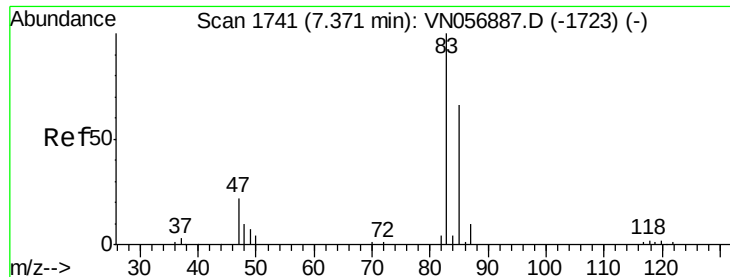
Tgt Ion: 73 Resp: 182833

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0





#25

Chloroform

Concen: 18.168 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

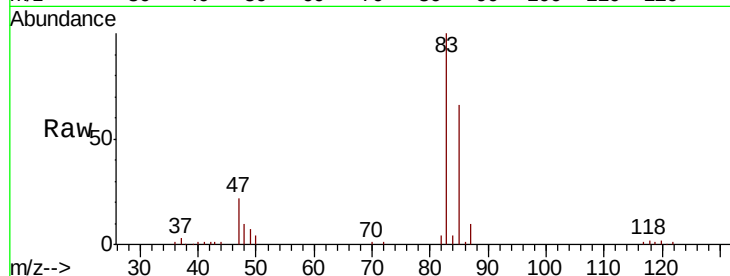
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 83 Resp: 119640

Ion Ratio Lower Upper

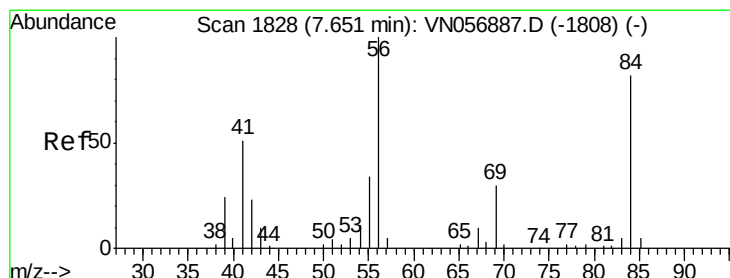
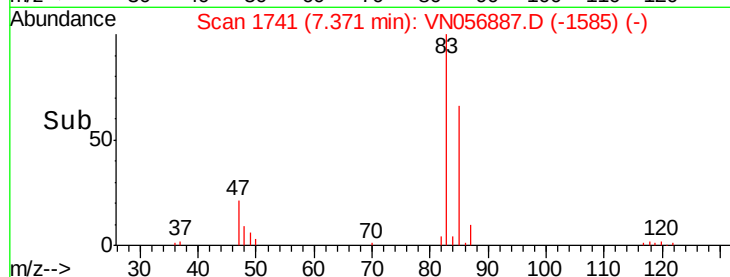
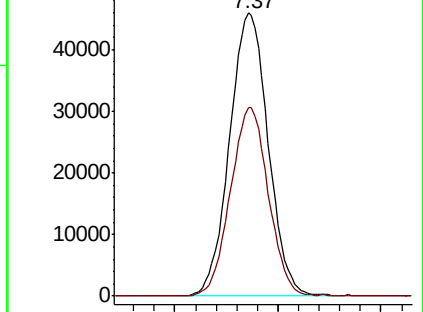
83 100

85 66.4 53.1 79.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 17.601 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

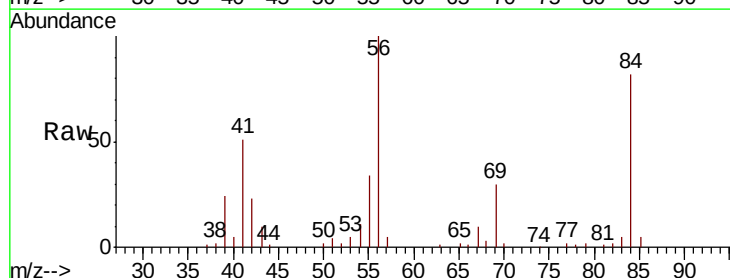
Tgt Ion: 56 Resp: 109824

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

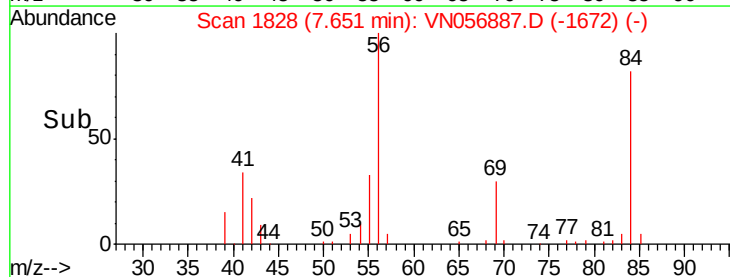
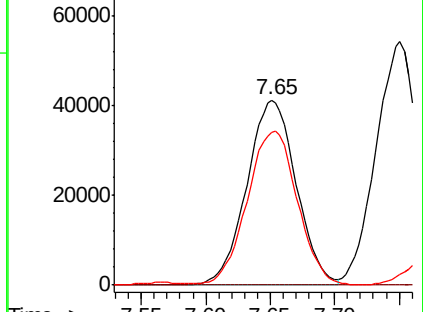
84 84.7 67.8 101.6

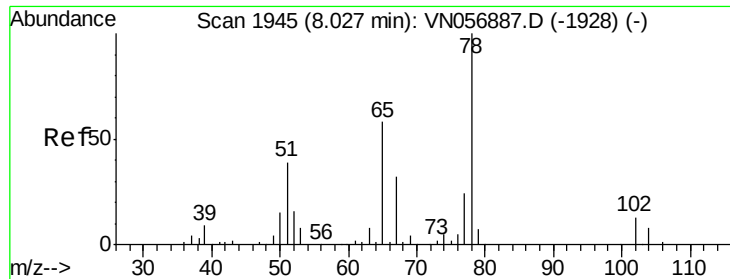


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

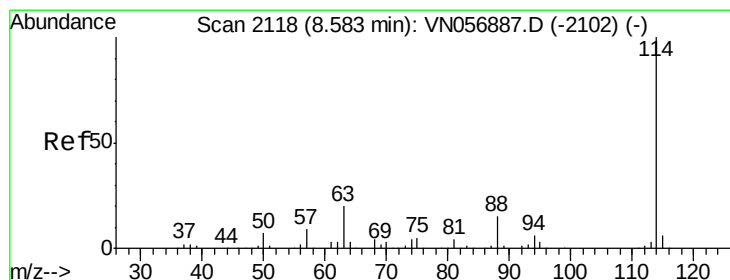
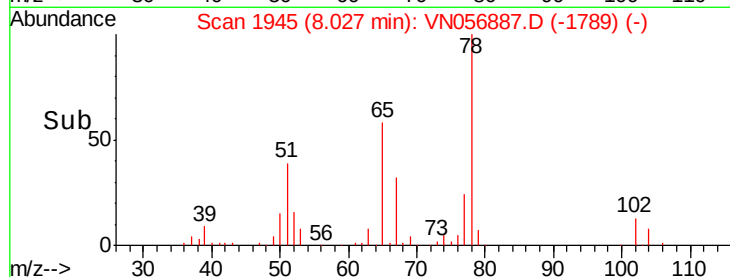
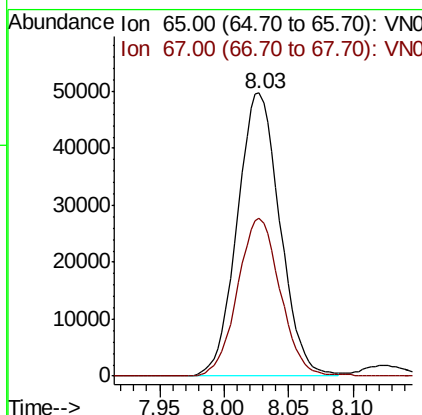
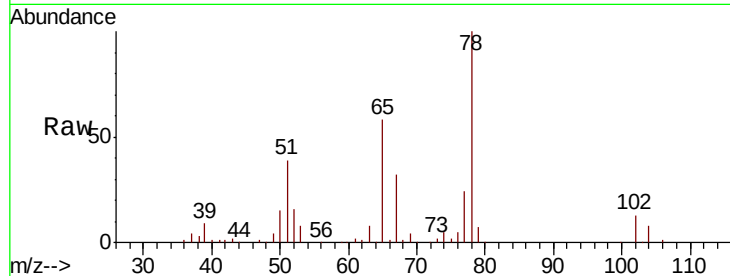




#27
 1,2-Dichloroethane-d4
 Concen: 28.870 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

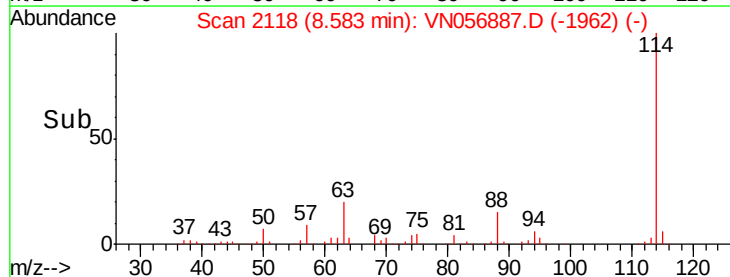
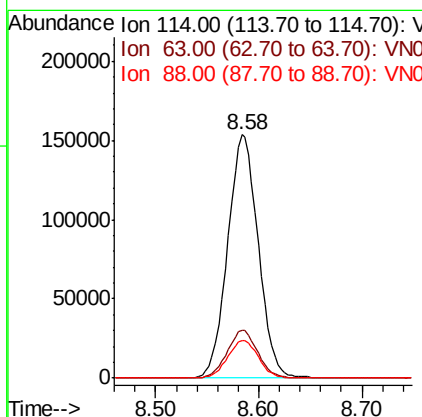
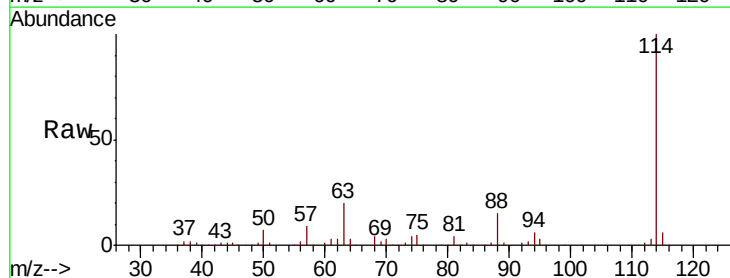
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

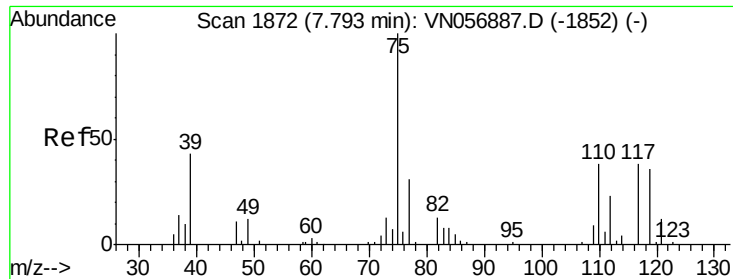
Tot Ion: 65 Resp: 114738
 Ion Ratio Lower Upper
 65 100
 67 55.7 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 114 Resp: 316957
 Ion Ratio Lower Upper
 114 100
 63 19.7 15.8 23.6
 88 15.6 12.5 18.7

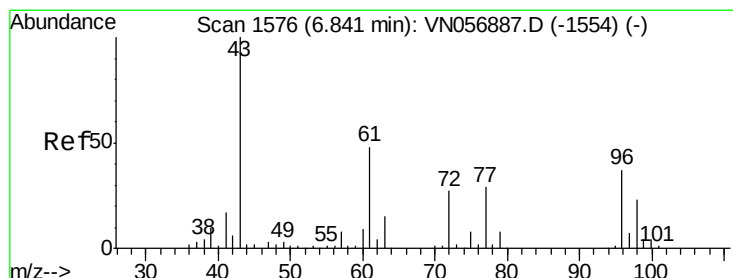
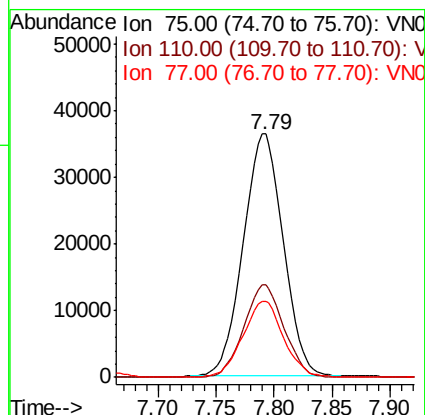
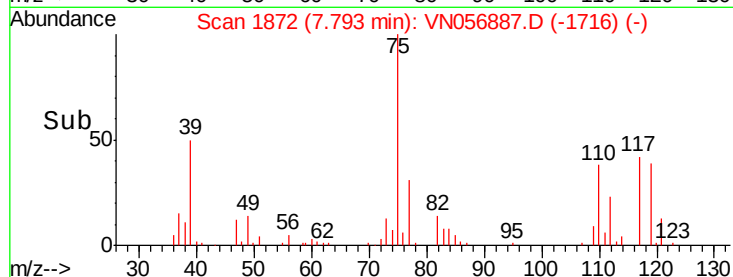
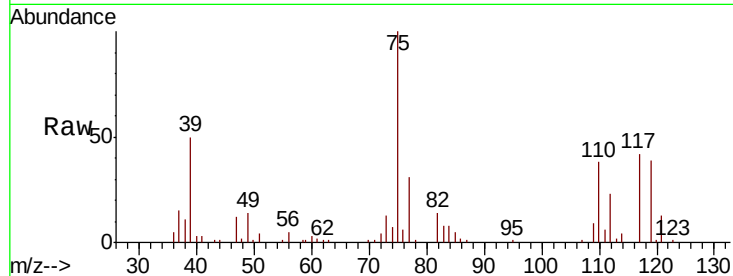




#29
 1,1-Dichloropropene
 Concen: 17.895 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

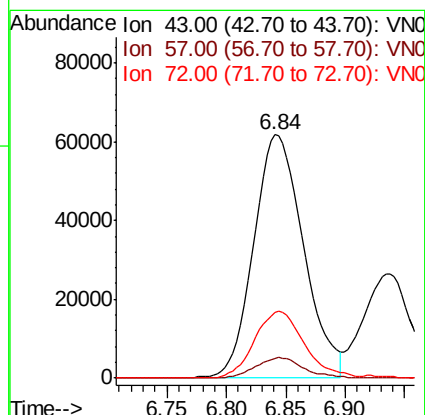
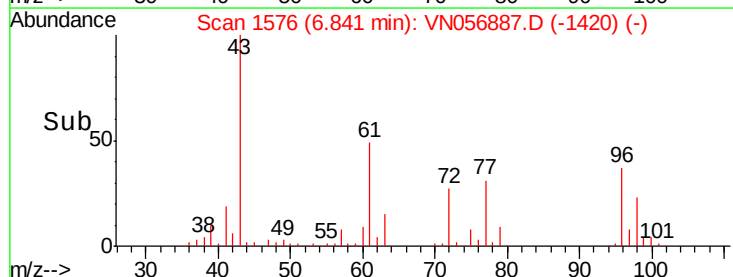
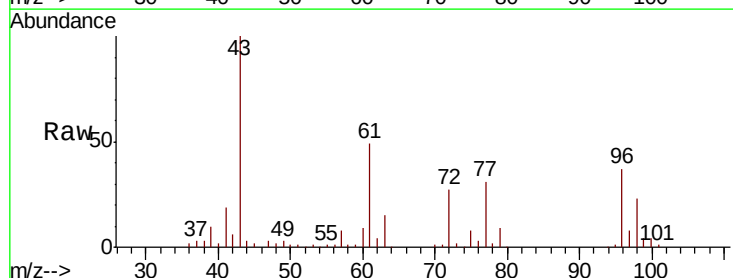
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

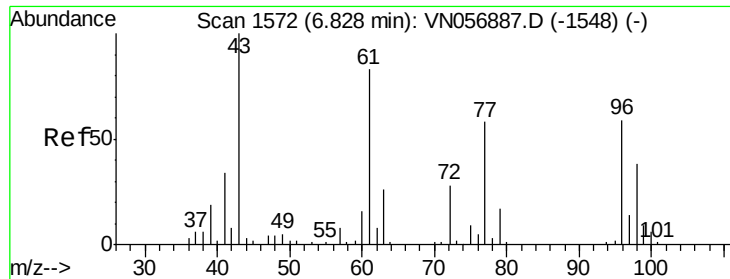
Tot Ion: 75 Resp: 87201
 Ion Ratio Lower Upper
 75 100
 110 37.9 0.0 75.8
 77 32.0 0.0 64.0



#30
 2-Butanone
 Concen: 67.472 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 178510
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.5 9.7
 72 27.6 22.1 33.1

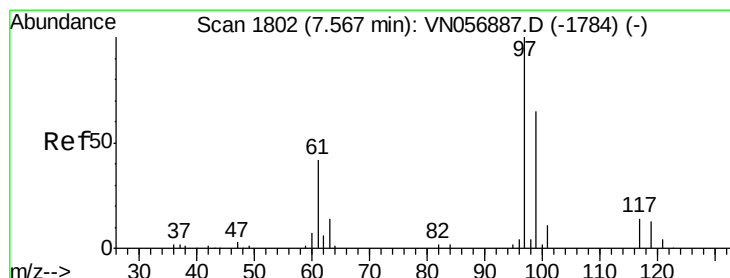
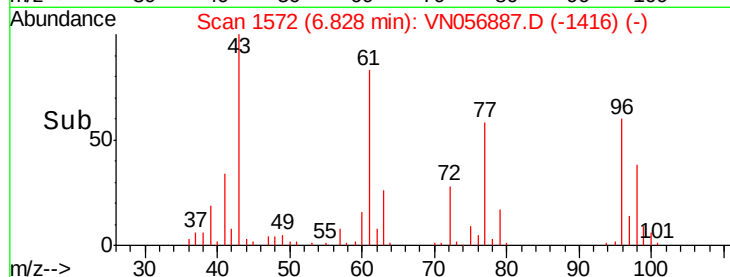
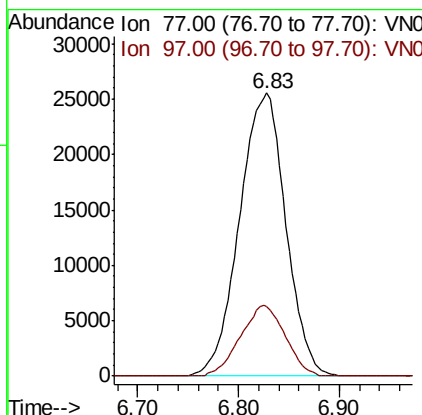
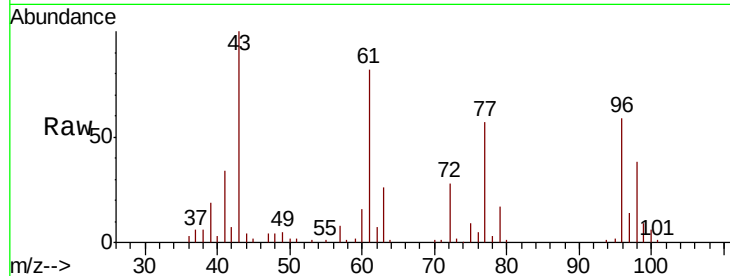




#31
 2,2-Dichloropropane
 Concen: 17.315 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

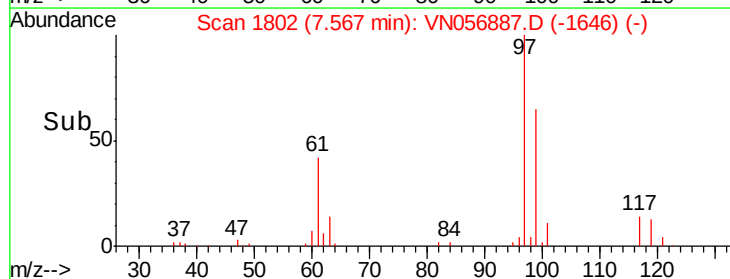
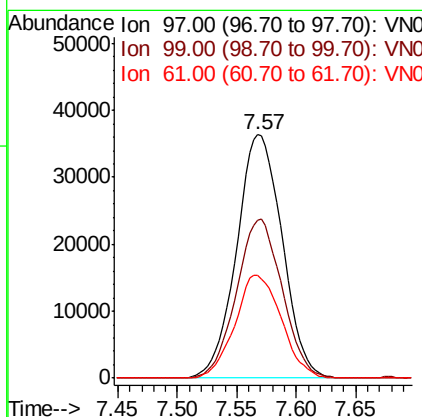
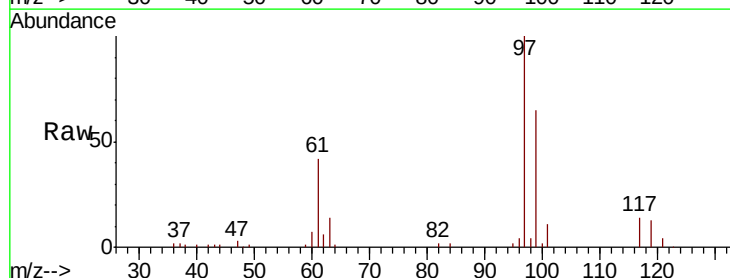
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

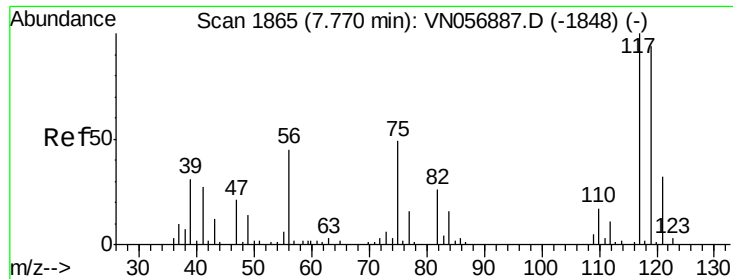
Tot Ion: 77 Resp: 81437
 Ion Ratio Lower Upper
 77 100
 97 24.1 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 18.407 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 97 Resp: 96516
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 43.0 34.4 51.6

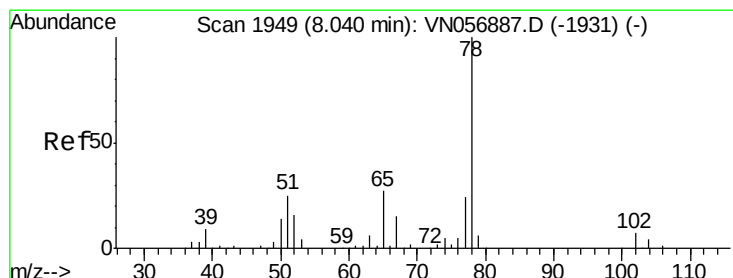
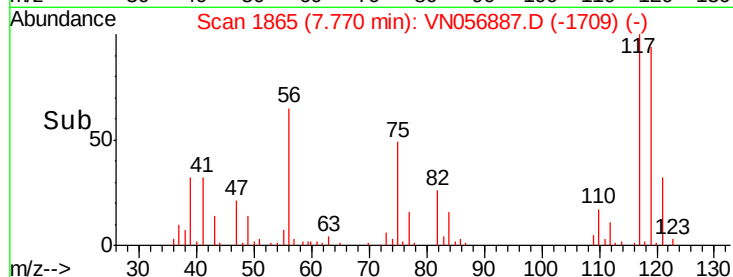
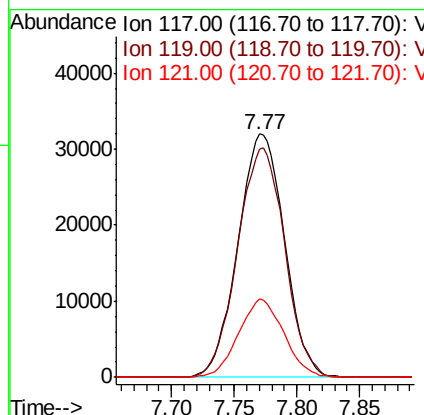
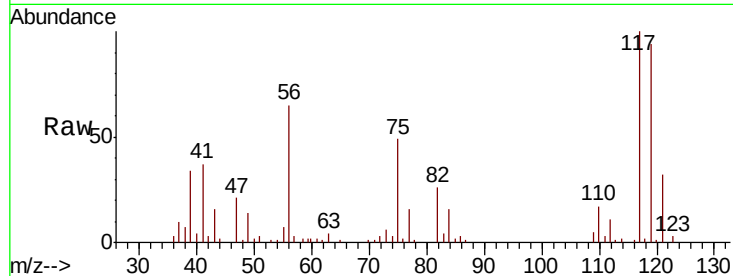




#33
Carbon Tetrachloride
Concen: 18.310 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

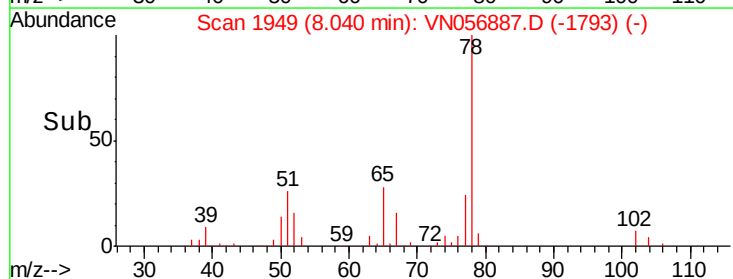
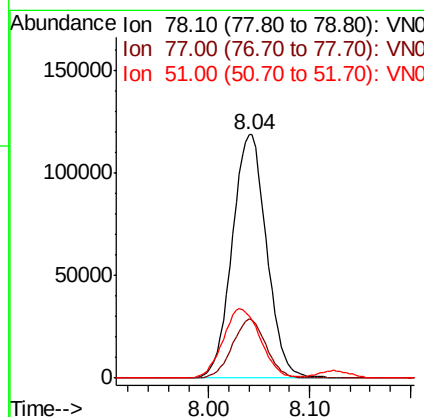
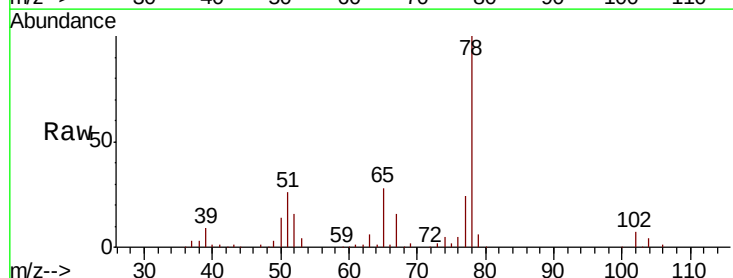
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

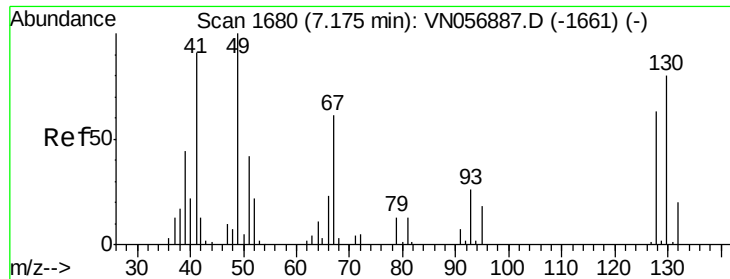
Tot Ion:117 Resp: 82571
Ion Ratio Lower Upper
117 100
119 93.9 75.1 112.7
121 32.3 25.8 38.8



#34
Benzene
Concen: 18.628 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 78 Resp: 281204
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2
51 25.5 20.4 30.6

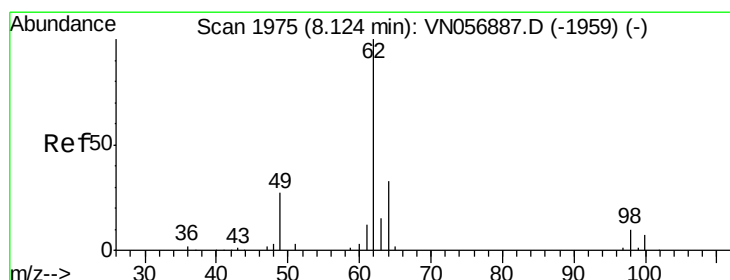
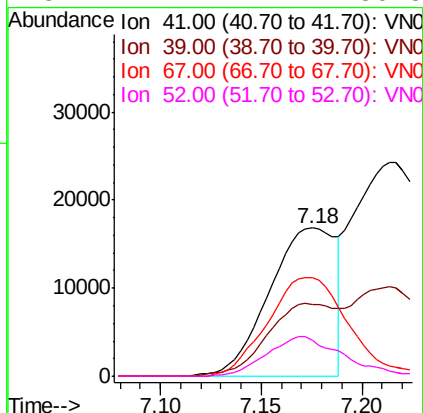
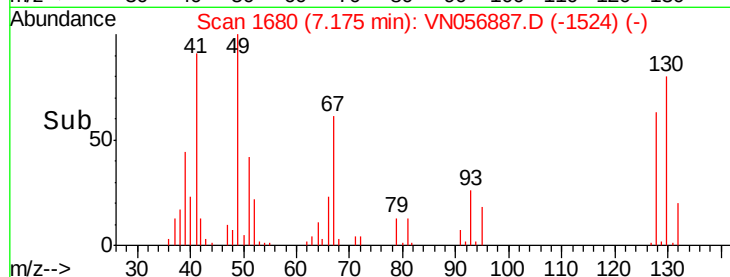
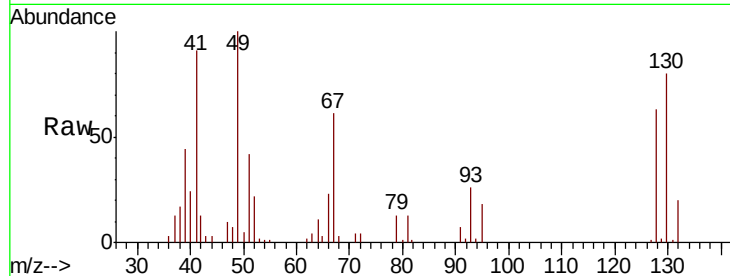




#35
Methacrylonitrile
Concen: 17.433 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

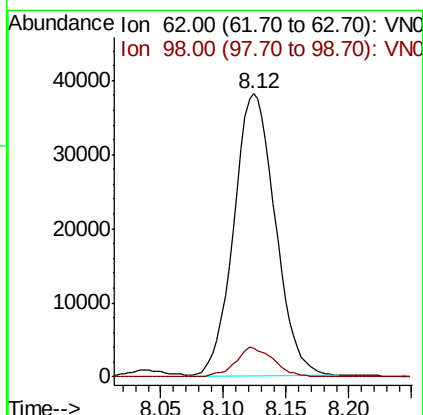
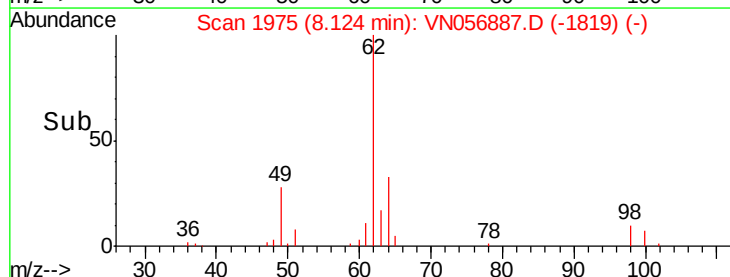
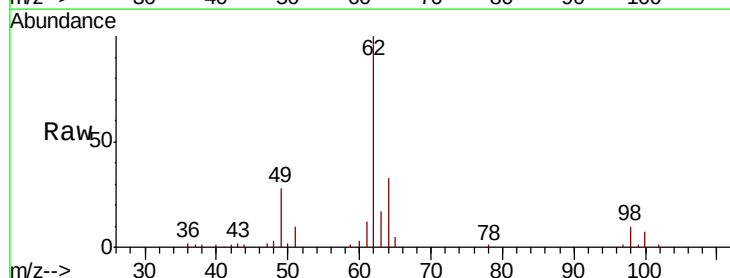
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

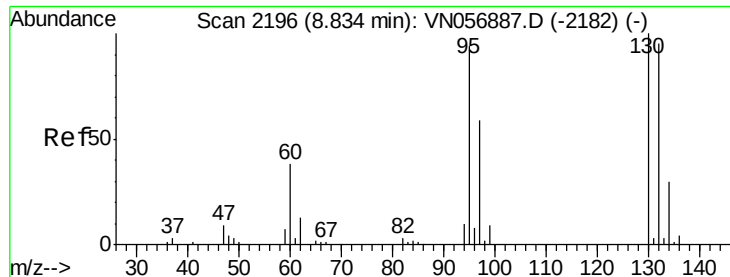
Tot Ion:	41	Resp:	38609
Ion	Ratio	Lower	Upper
41	100		
39	48.8	24.4	73.2
67	66.7	33.4	100.1
52	24.2	12.1	36.3



#36
1,2-Dichloroethane
Concen: 18.122 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:	62	Resp:	87321
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.7	11.5





#37

Trichloroethene

Concen: 18.130 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

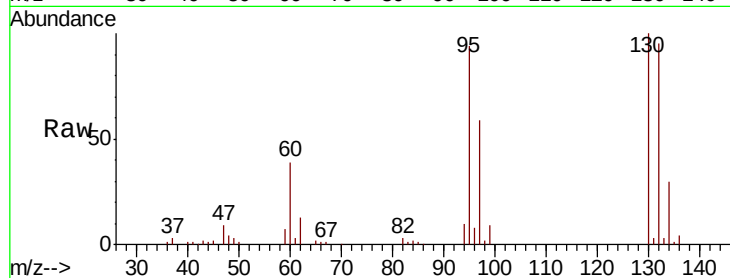
VSTDICCC020

Tot Ion:130 Resp: 73976

Ion Ratio Lower Upper

130 100

95 93.6 74.9 112.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

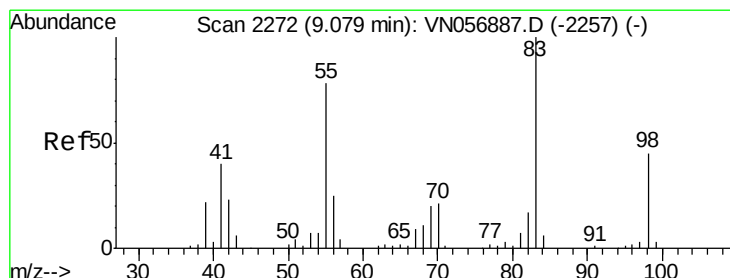
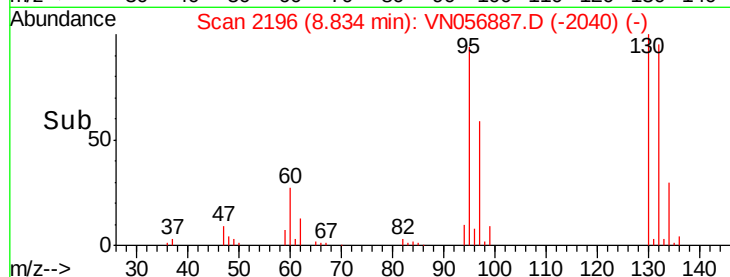
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.650 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

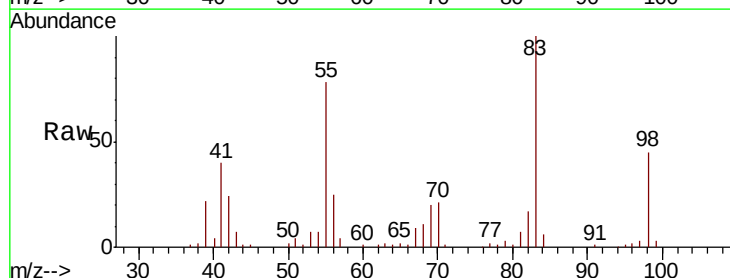
Tgt Ion: 83 Resp: 108361

Ion Ratio Lower Upper

83 100

55 76.7 38.4 115.1

98 45.3 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

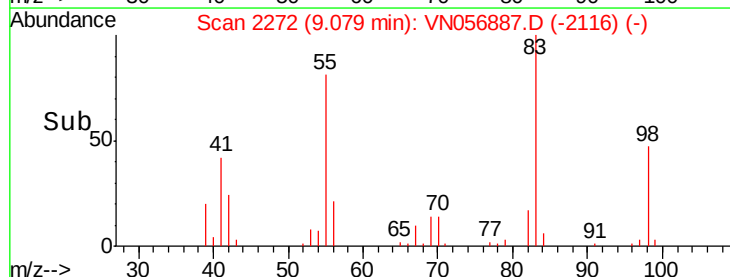
40000

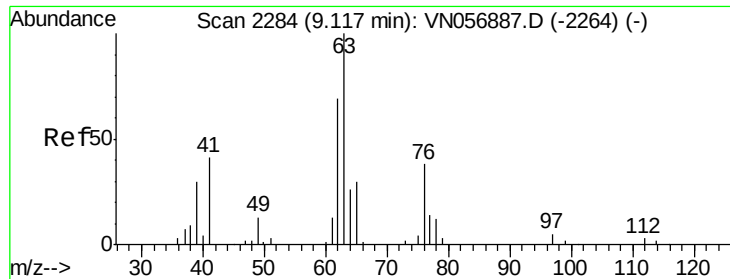
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 18.367 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

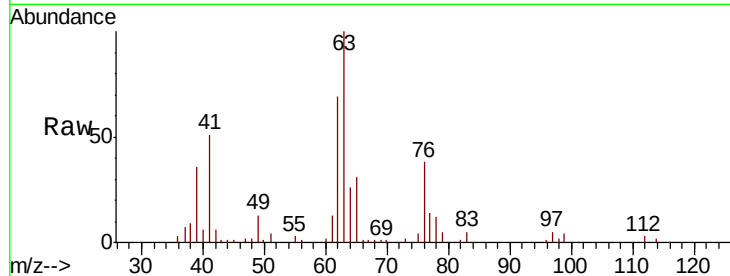
VSTDICCC020

Tot Ion: 63 Resp: 74250

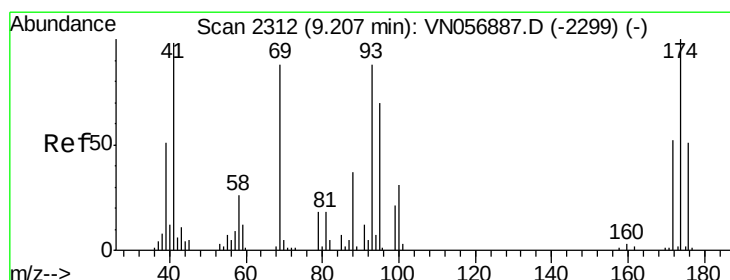
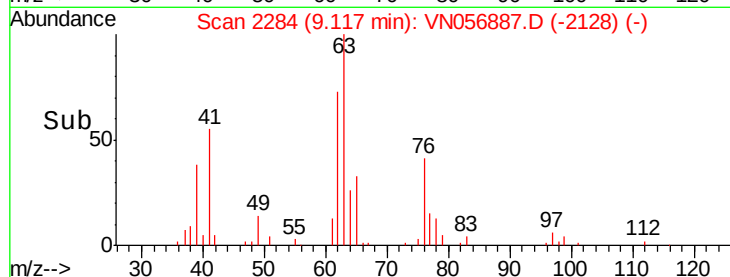
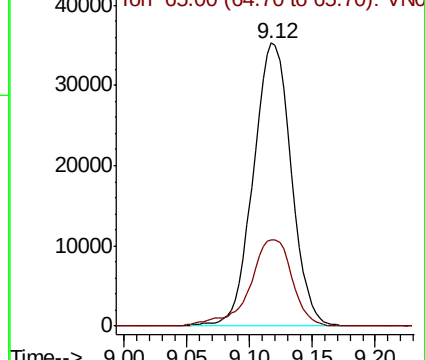
Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2264) (-)



#40

Dibromomethane

Concen: 17.765 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

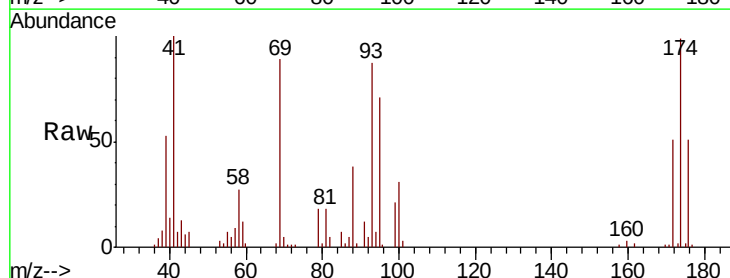
Tgt Ion: 93 Resp: 45534

Ion Ratio Lower Upper

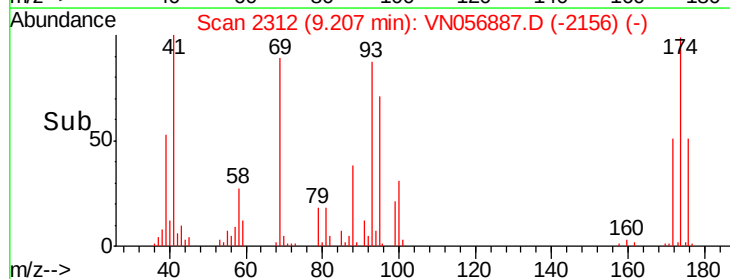
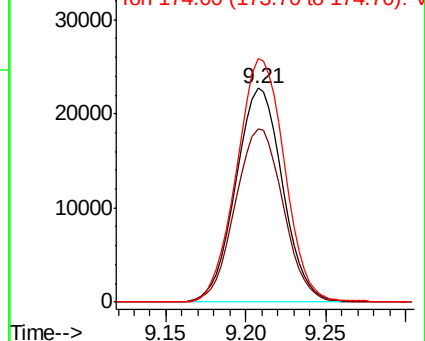
93 100

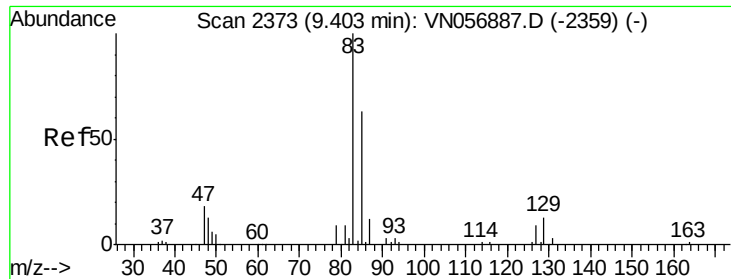
95 82.9 0.0 165.8

174 116.2 0.0 232.4



Abundance Ion 93.00 (92.70 to 93.70): VN056887.D (-2299) (-)





#41

Bromodichloromethane

Concen: 18.145 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

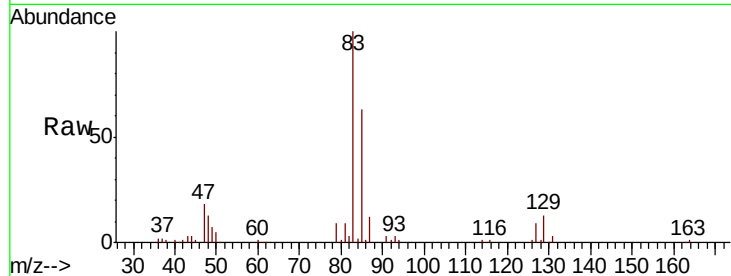
Tot Ion: 83 Resp: 86218

Ion Ratio Lower Upper

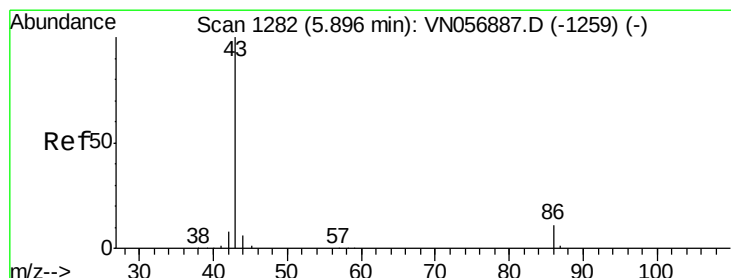
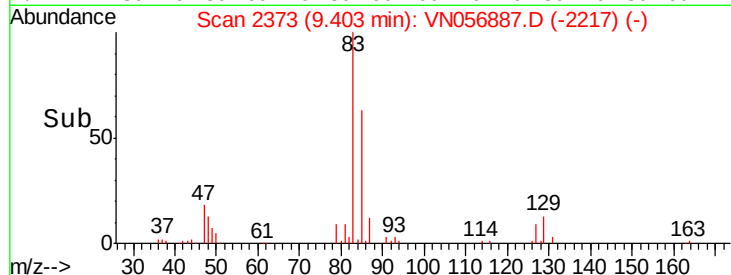
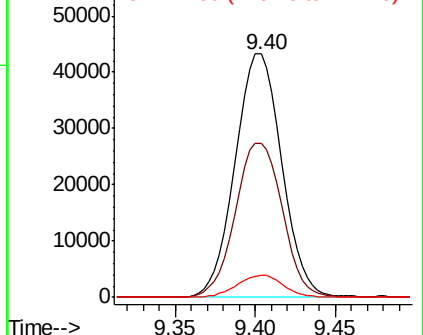
83 100

85 63.2 50.6 75.8

127 9.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 84.857 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056887.D

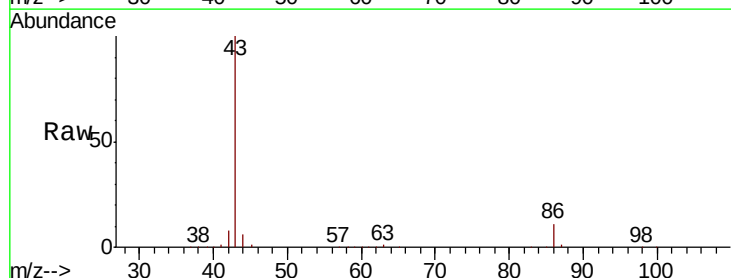
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 788383

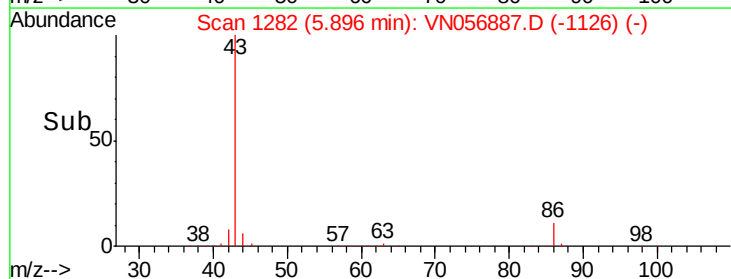
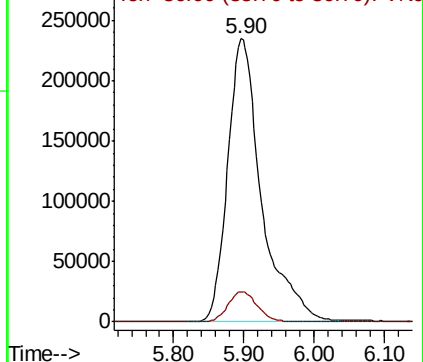
Ion Ratio Lower Upper

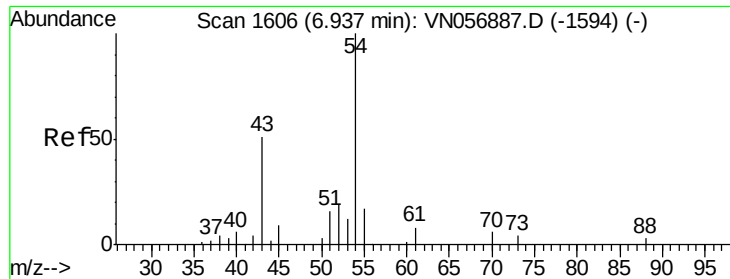
43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

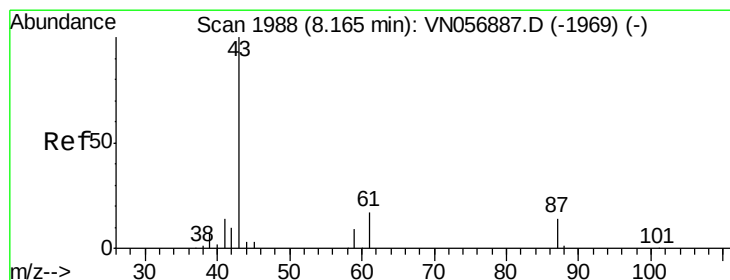
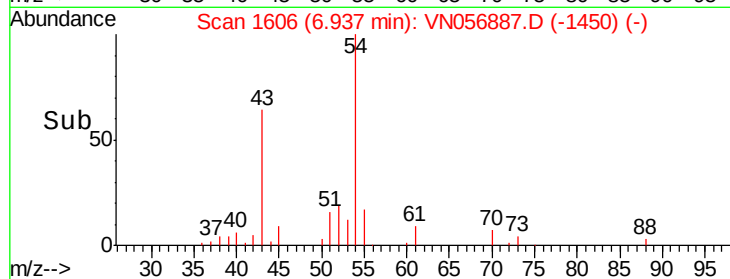
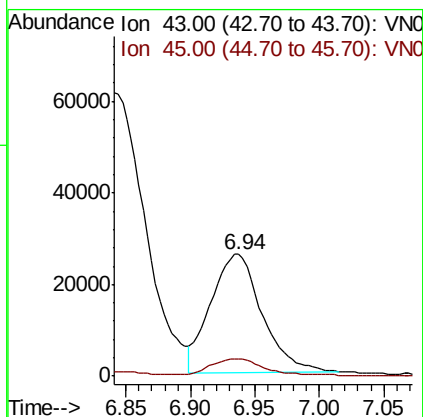
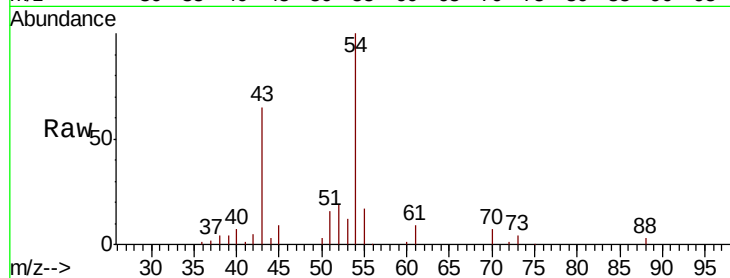




#43
Ethyl Acetate
Concen: 14.646 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

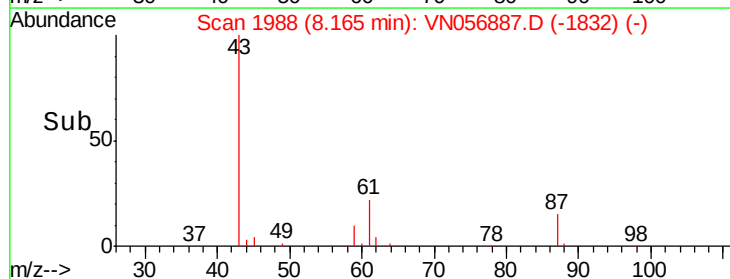
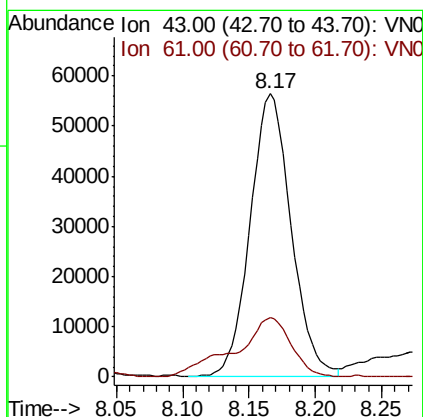
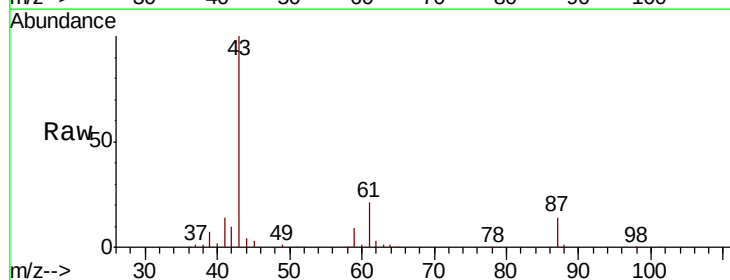
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

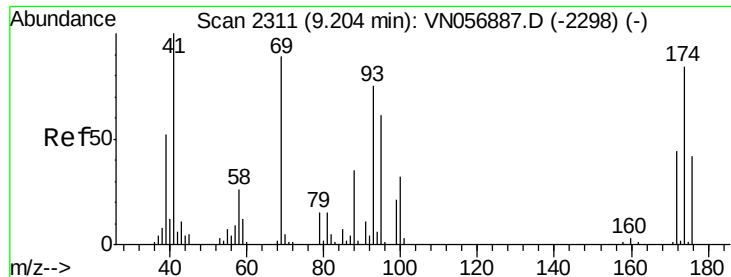
Tot Ion: 43 Resp: 71842
Ion Ratio Lower Upper
43 100
45 12.7 10.2 15.2



#44
Isopropyl Acetate
Concen: 15.626 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 122125
Ion Ratio Lower Upper
43 100
61 28.7 23.0 34.4

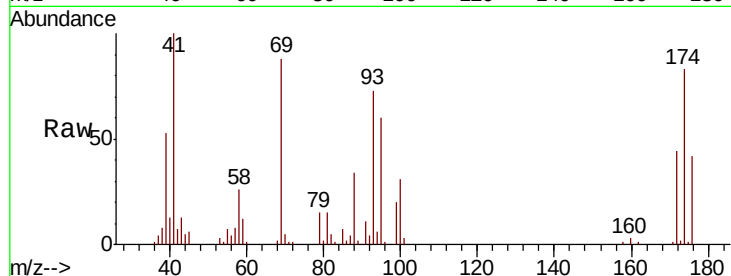




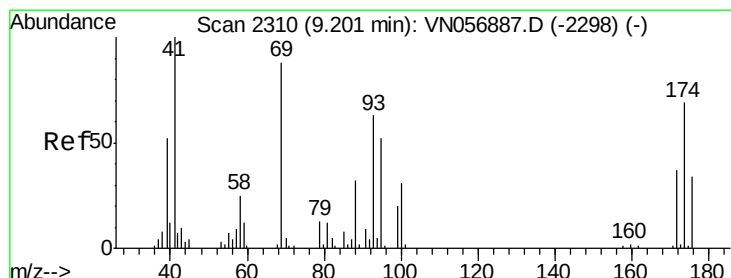
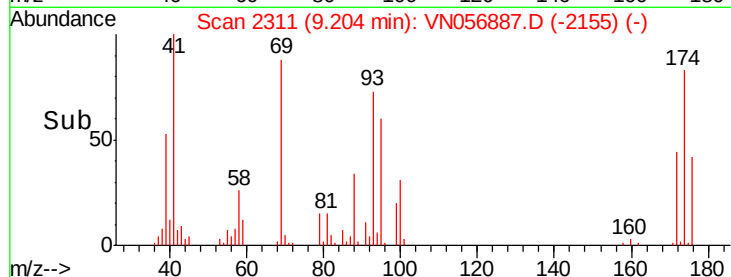
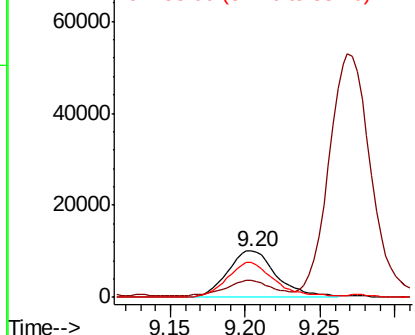
#45
 1,4-Dioxane
 Concen: 299.860 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 88 Resp: 23145
 Ion Ratio Lower Upper
 88 100
 43 29.2 23.4 35.0
 58 73.1 58.5 87.7

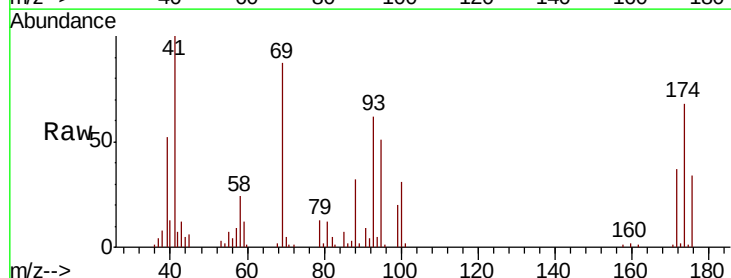


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

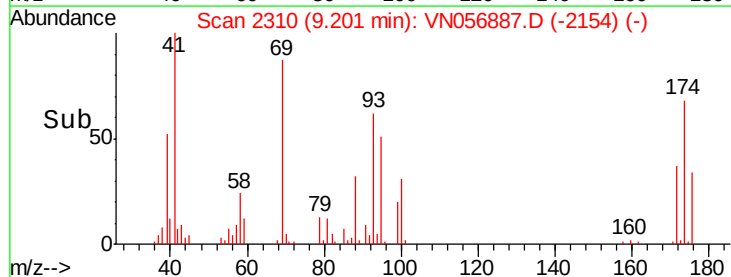
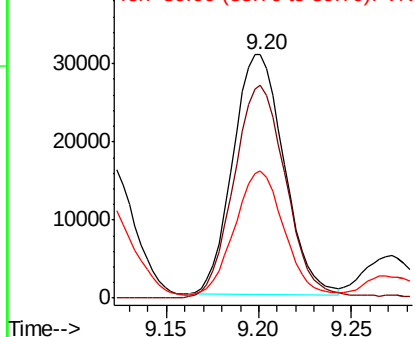


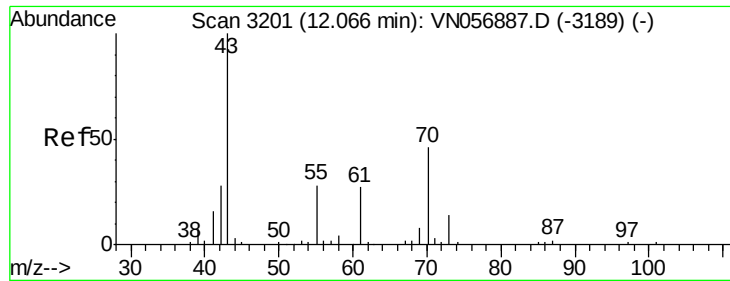
#46
 Methyl methacrylate
 Concen: 15.745 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 41 Resp: 58966
 Ion Ratio Lower Upper
 41 100
 69 88.0 44.0 132.0
 39 51.6 25.8 77.4



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





#47

n-amvl Acetate

Concen: 14.356 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

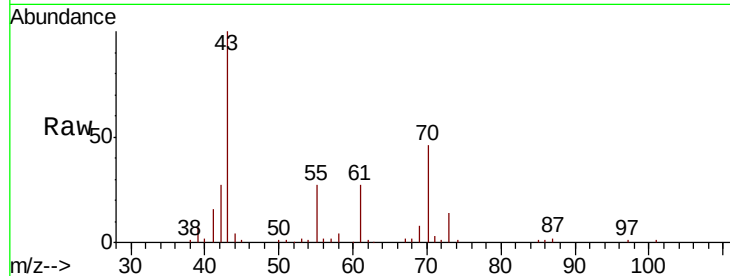
VSTDICCC020

Tot Ion: 43 Resp: 90998

Ion Ratio Lower Upper

43 100

55 26.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

60000

50000

40000

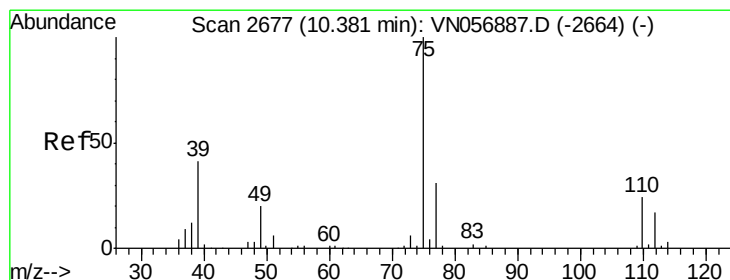
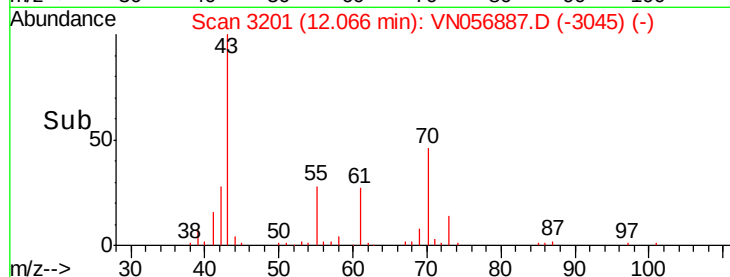
30000

20000

10000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 16.591 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056887.D

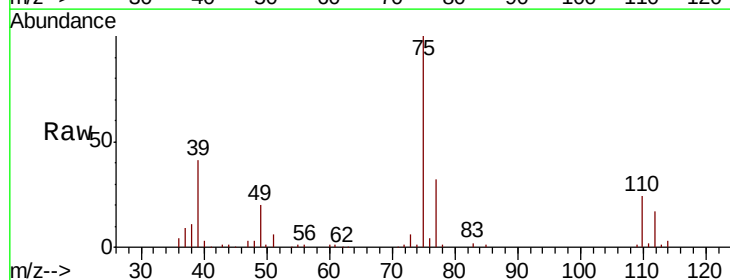
Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 85993

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

50000

40000

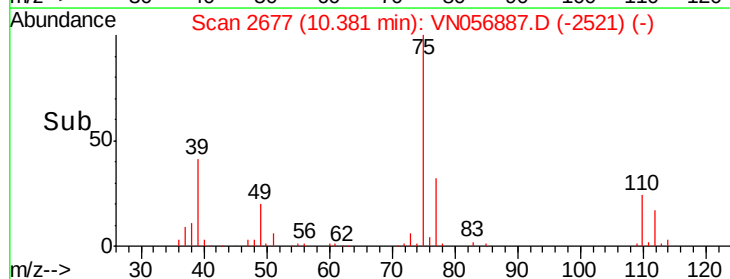
30000

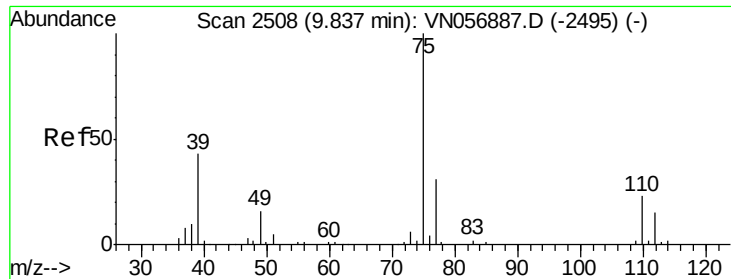
20000

10000

0

Time-->

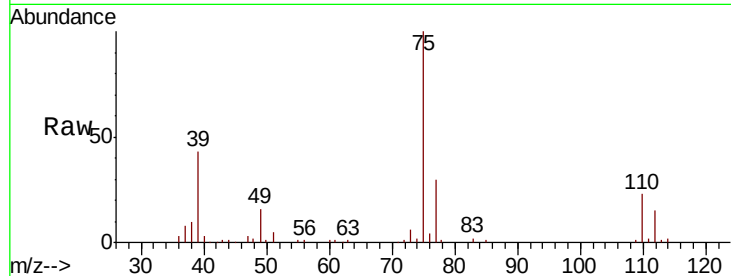




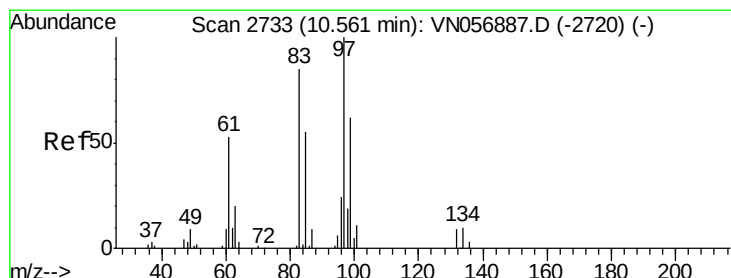
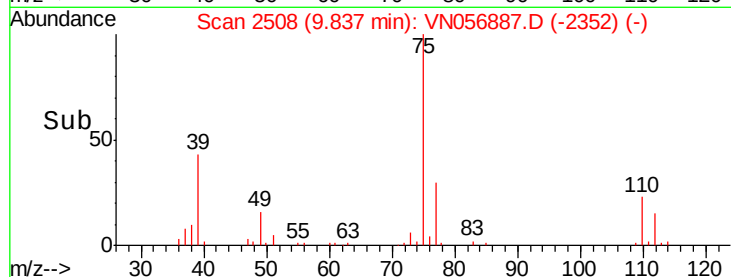
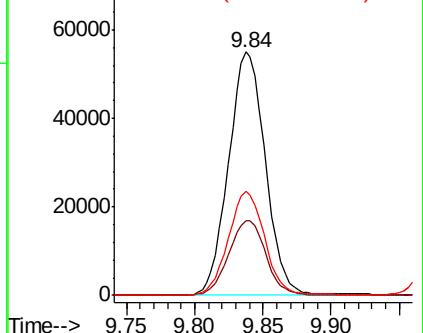
#49
 cis-1,3-Dichloropropene
 Concen: 17.526 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 75 Resp: 103096
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.4 36.6
 39 42.8 34.2 51.4

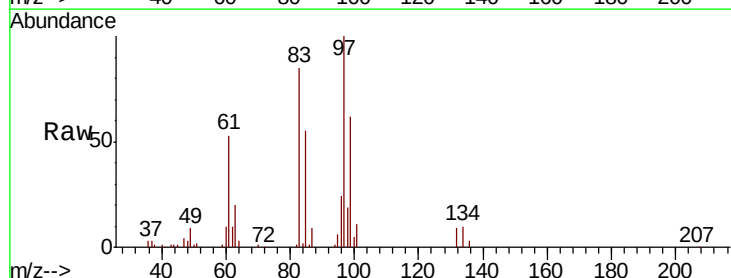


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

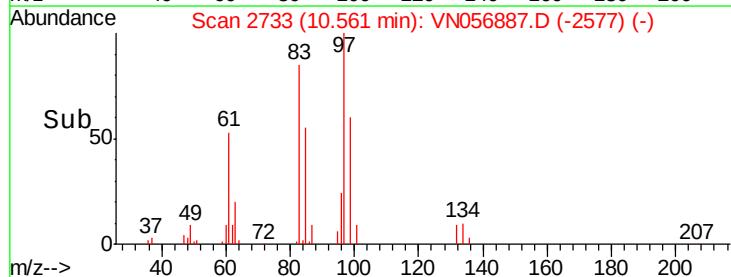
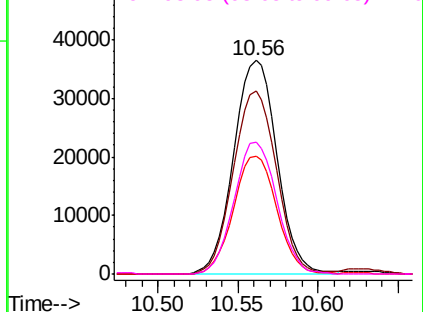


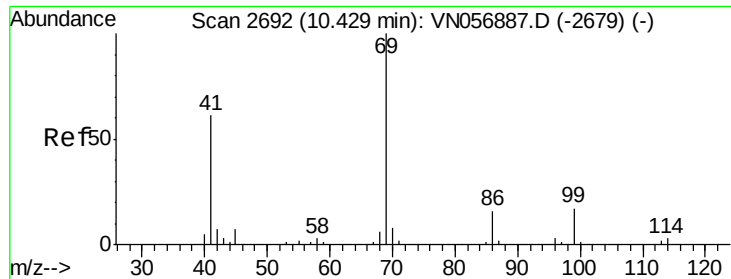
#50
 1,1,2-Trichloroethane
 Concen: 17.995 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 97 Resp: 67502
 Ion Ratio Lower Upper
 97 100
 83 85.5 68.4 102.6
 85 55.4 44.3 66.5
 99 61.8 49.4 74.2



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: 16.323 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

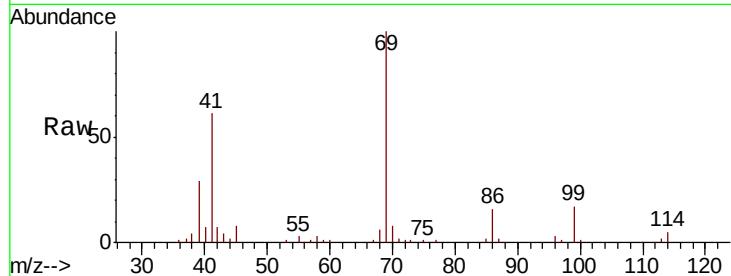
Tot Ion: 69 Resp: 92790

Ion Ratio Lower Upper

69 100

41 60.9 30.4 91.3

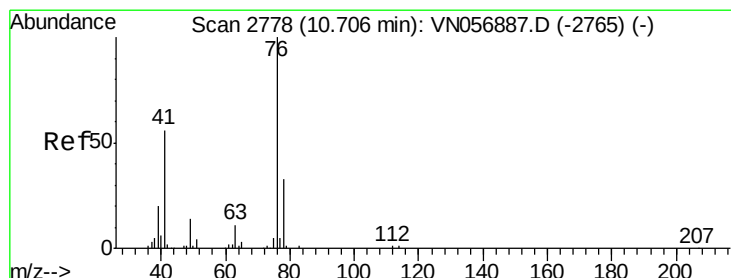
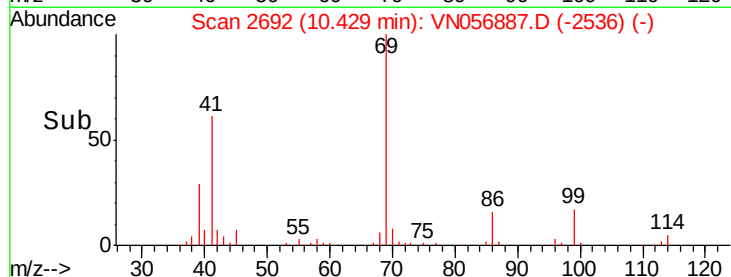
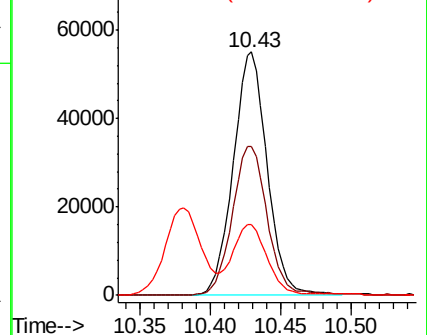
39 28.4 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 17.937 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056887.D

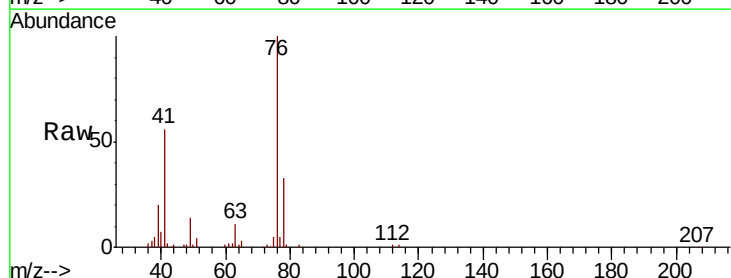
Acq: 23 Jul 2019 19:28

Tgt Ion: 76 Resp: 111693

Ion Ratio Lower Upper

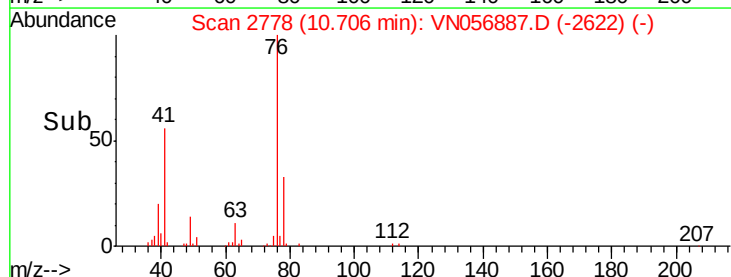
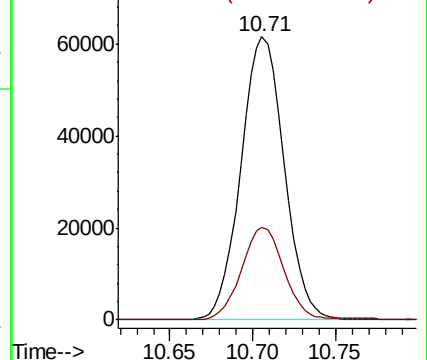
76 100

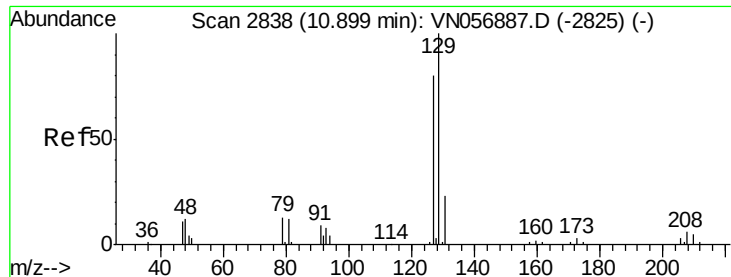
78 32.1 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

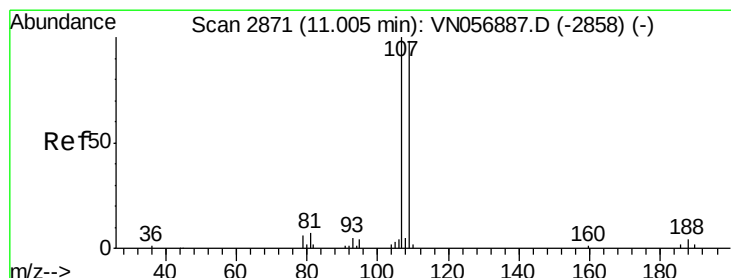
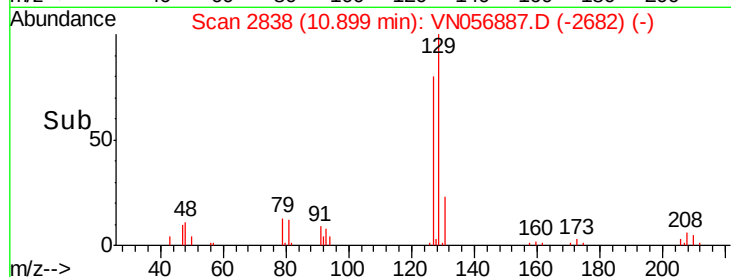
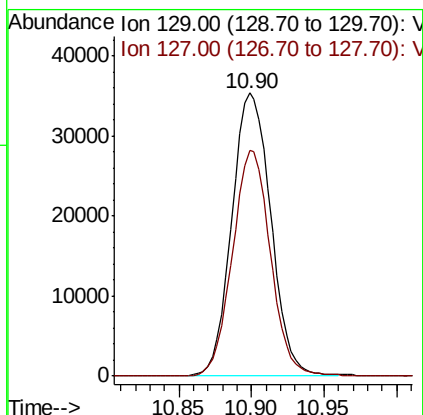
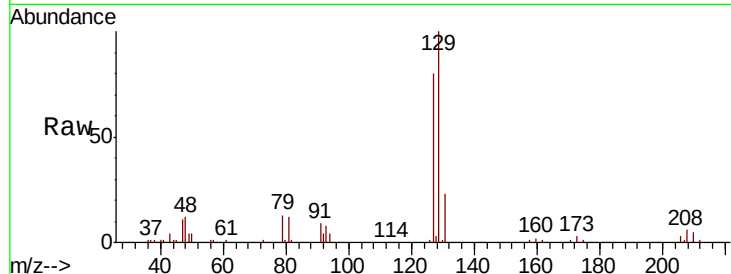




#53
 Dibromochloromethane
 Concen: 17.468 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

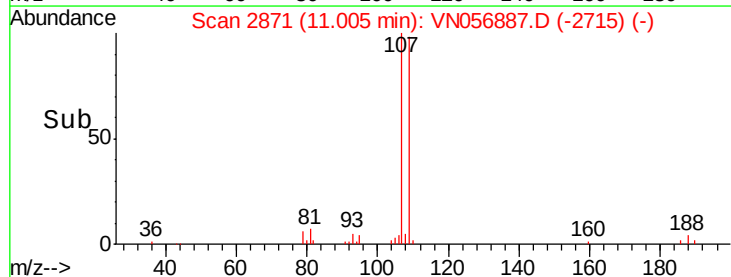
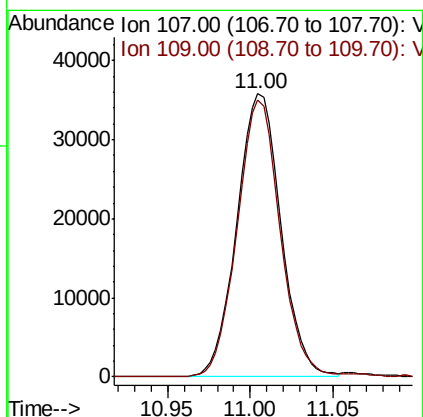
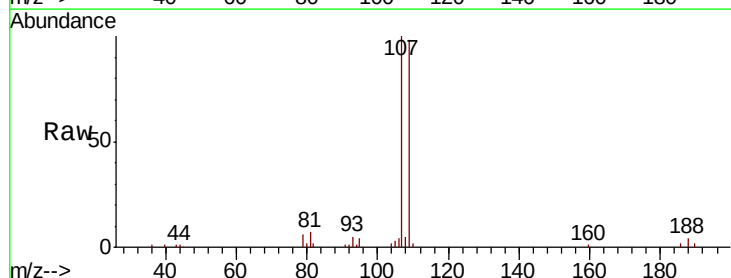
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

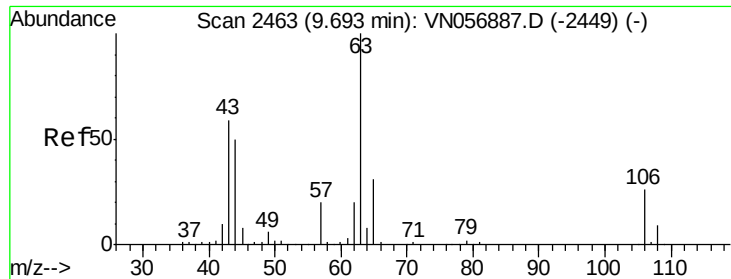
Tot Ion:129 Resp: 66298
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.8 116.4



#54
 1,2-Dibromoethane
 Concen: 17.120 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion:107 Resp: 66200
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2

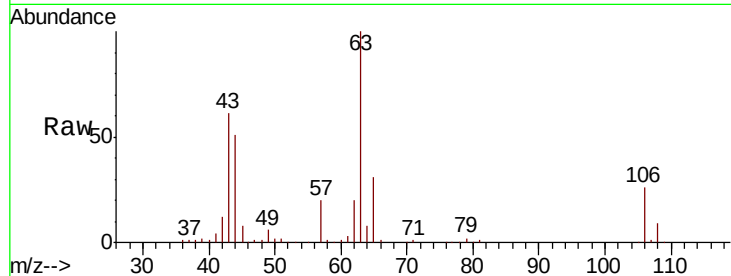




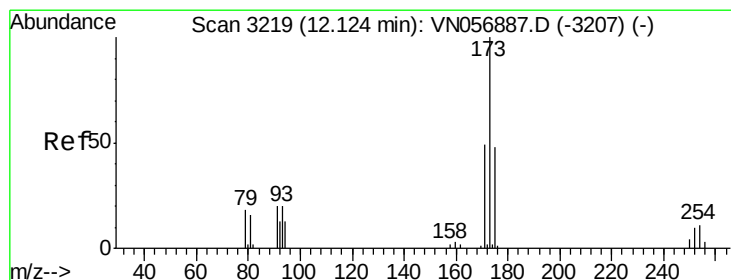
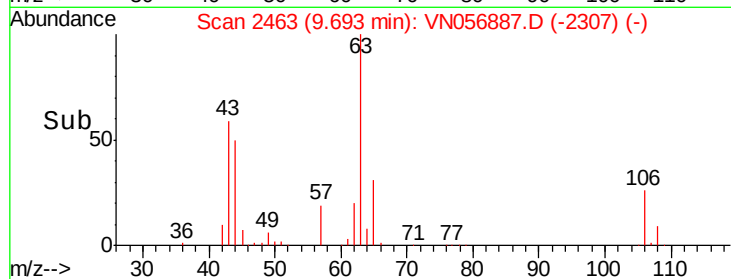
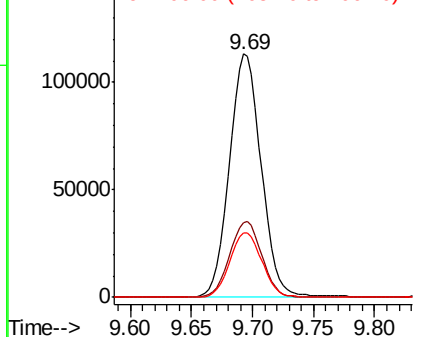
#55
2-Chloroethyl vinyl ether
Concen: 76.053 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 63 Resp: 205710
Ion Ratio Lower Upper
63 100
65 31.4 25.1 37.7
106 26.9 21.5 32.3

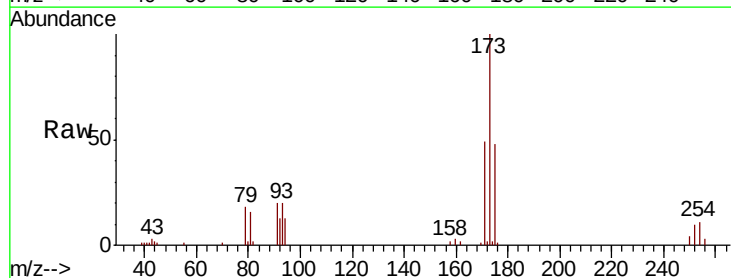


Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)
Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)
Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)

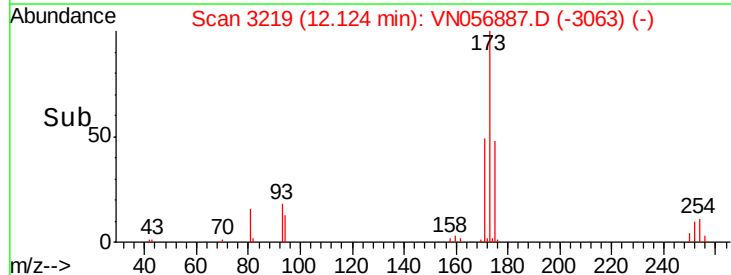
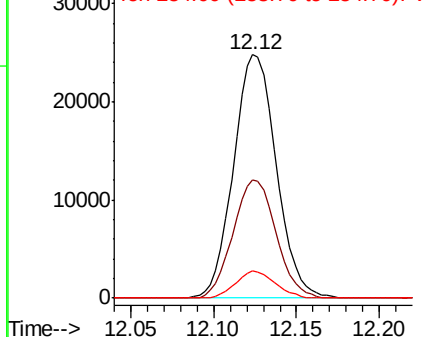


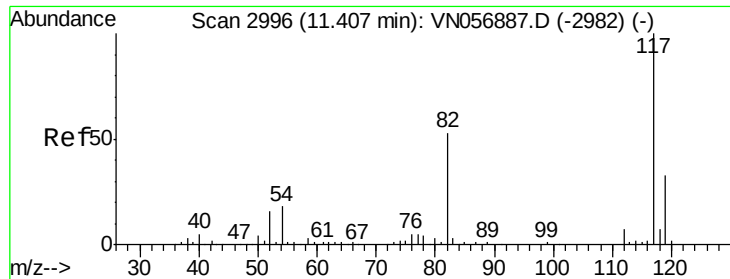
#56
Bromoform
Concen: 16.002 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 173 Resp: 44484
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
254 10.1 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)

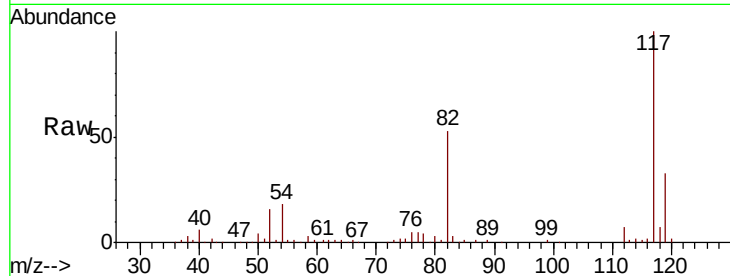




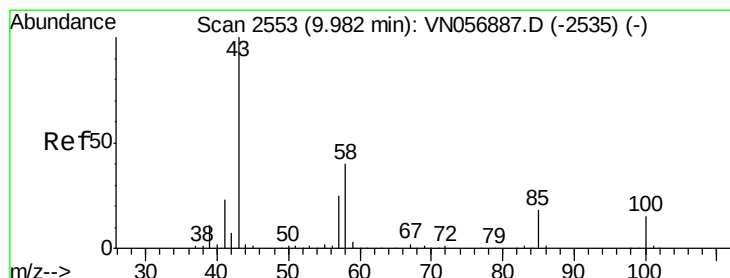
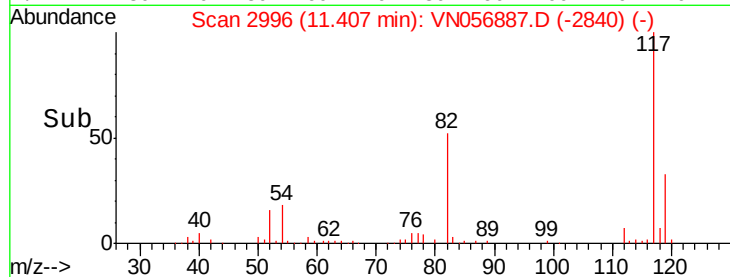
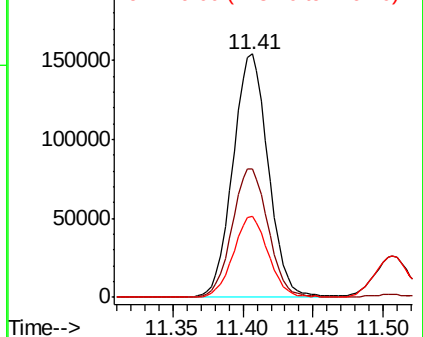
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 270969
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.7 26.2 39.2

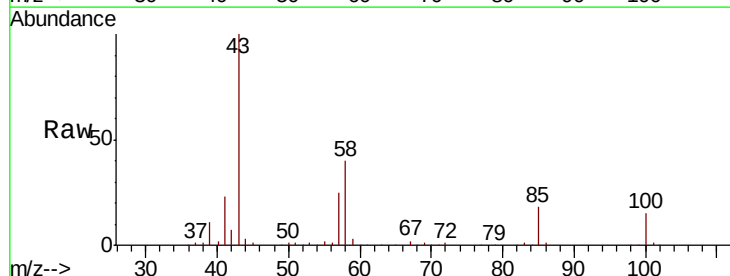


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

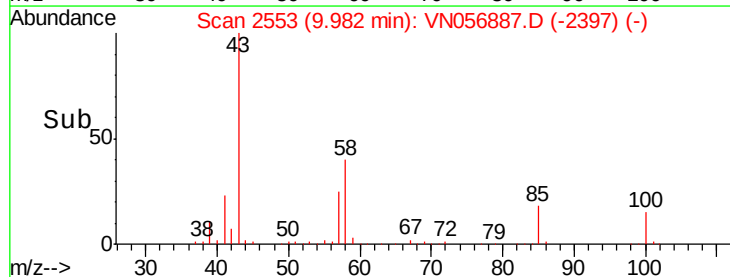
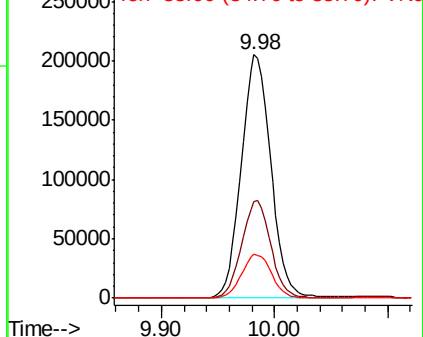


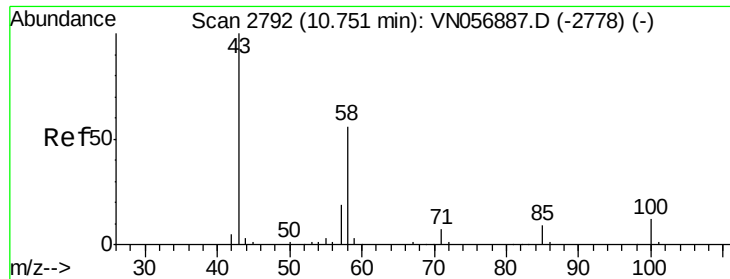
#58
4-Methyl-2-Pentanone
Concen: 77.532 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 43 Resp: 373290
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5
85 18.1 14.5 21.7



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

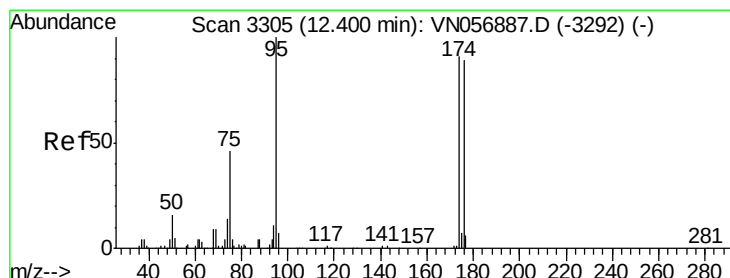
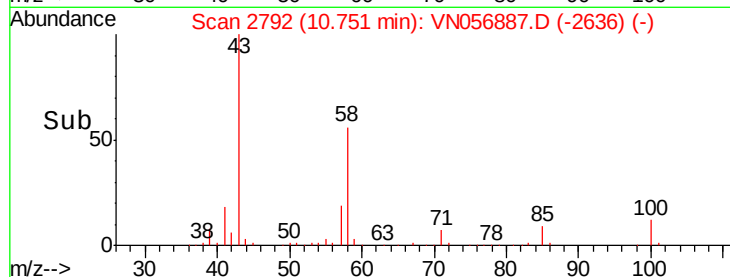
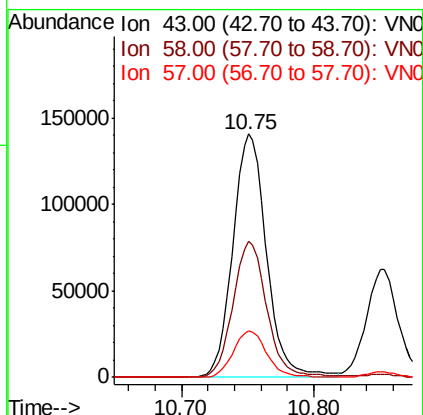
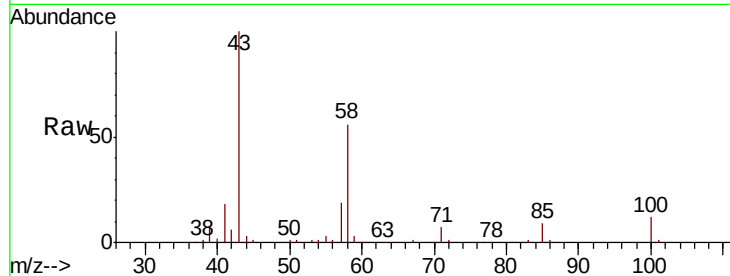




#59
2-Hexanone
Concen: 69.422 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

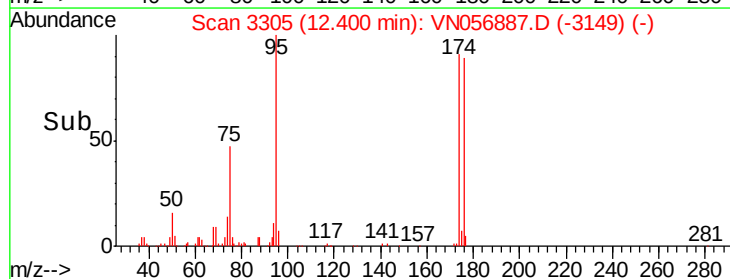
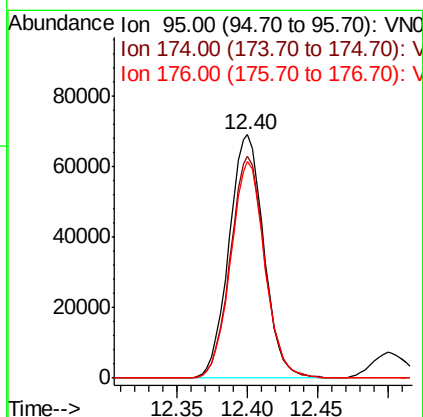
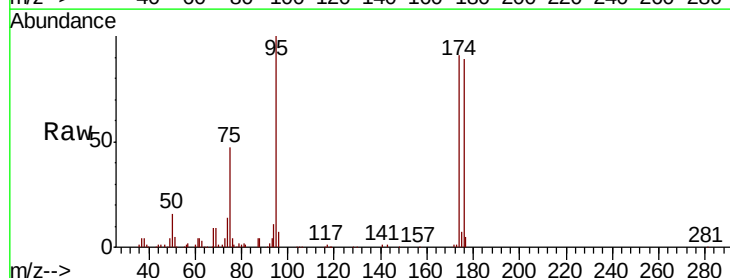
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

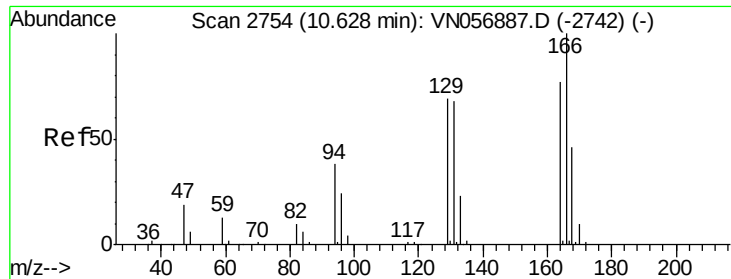
Tot Ion: 43 Resp: 246796
Ion Ratio Lower Upper
43 100
58 56.2 45.0 67.4
57 19.2 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.029 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 95 Resp: 119487
Ion Ratio Lower Upper
95 100
174 89.9 71.9 107.9
176 87.3 69.8 104.8





#61

Tetrachloroethene

Concen: 20.301 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 78495

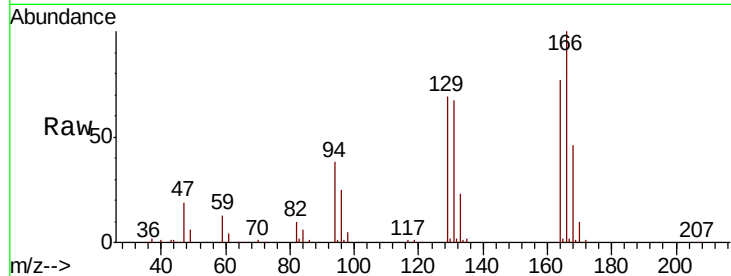
Ion Ratio Lower Upper

164 100

166 129.9 103.9 155.9

129 90.5 72.4 108.6

131 87.9 70.3 105.5

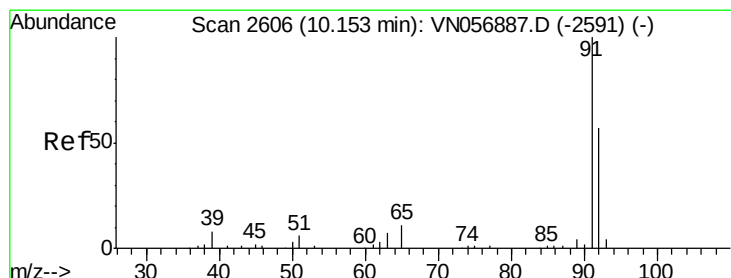
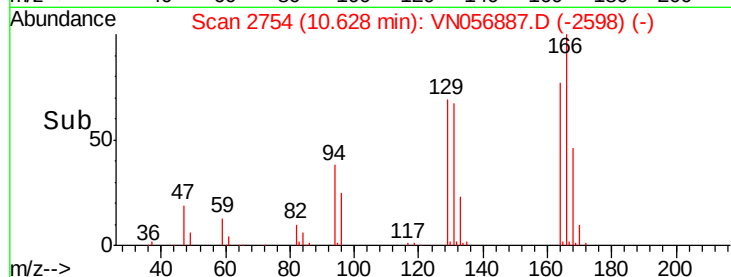
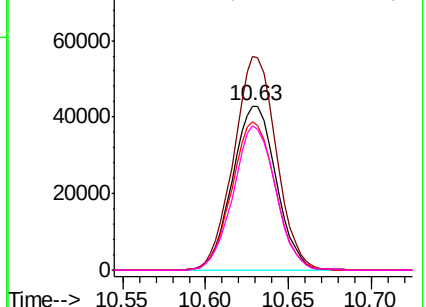


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.851 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056887.D

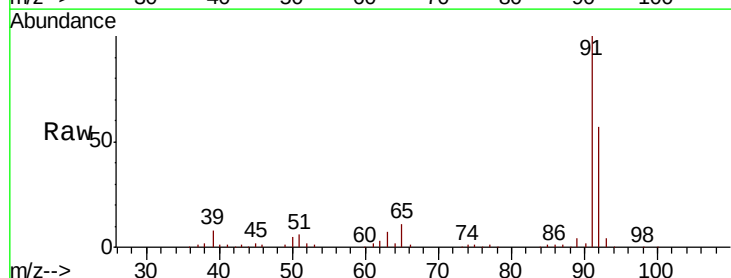
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 293878

Ion Ratio Lower Upper

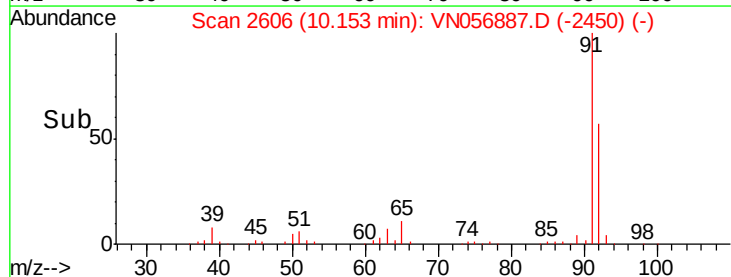
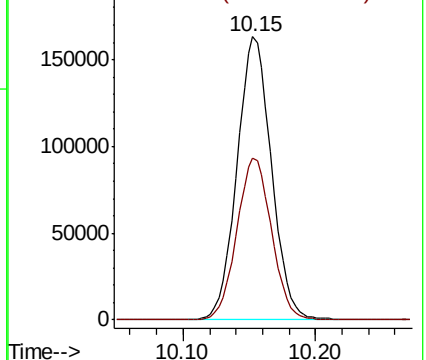
91 100

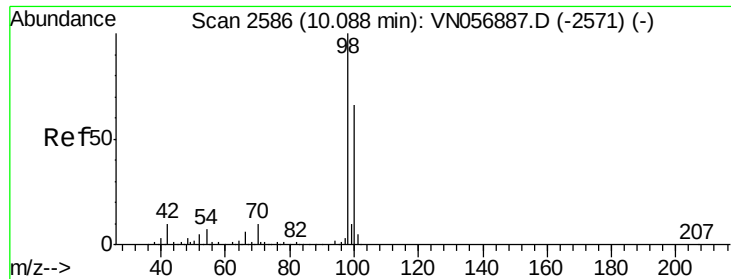
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.600 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

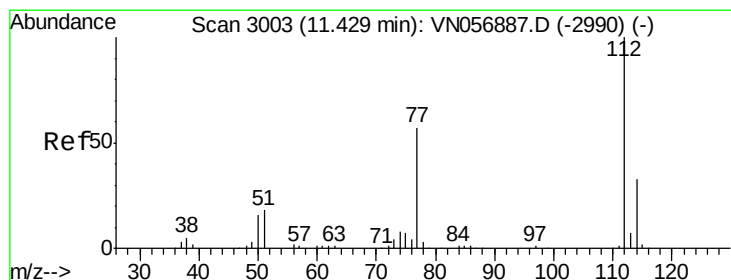
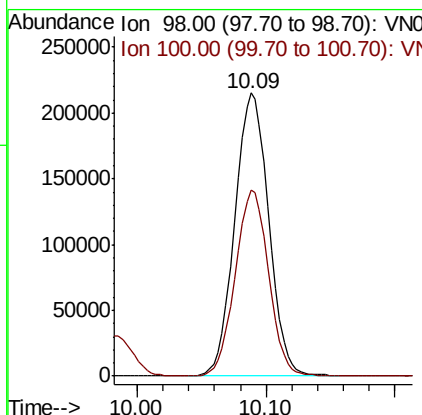
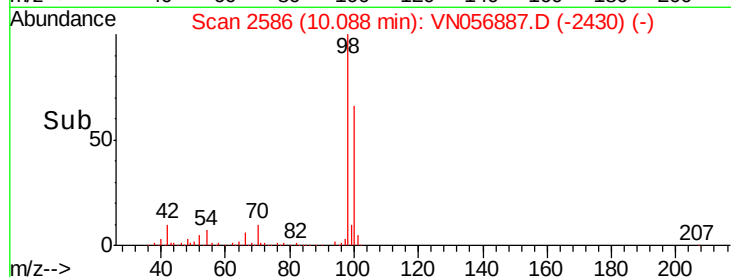
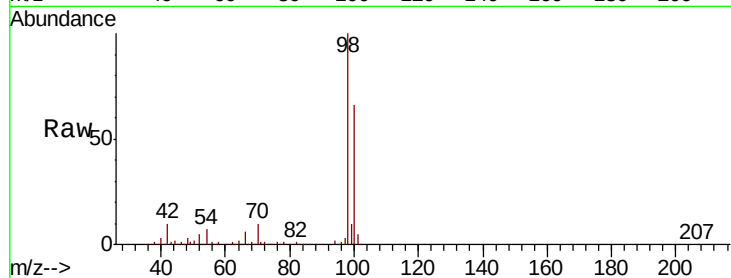
VSTDICCC020

Tot Ion: 98 Resp: 394018

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



#64

Chlorobenzene

Concen: 18.380 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN056887.D

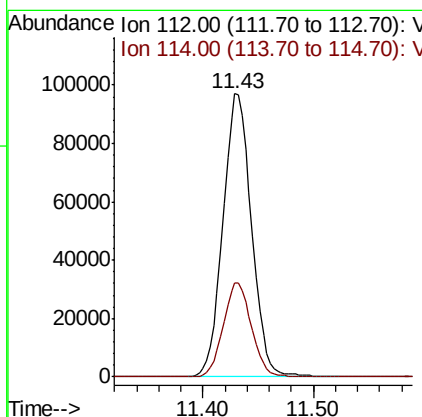
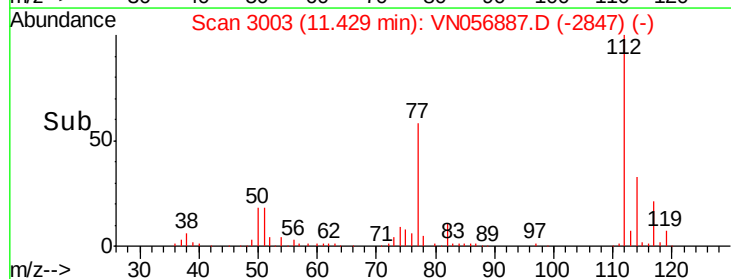
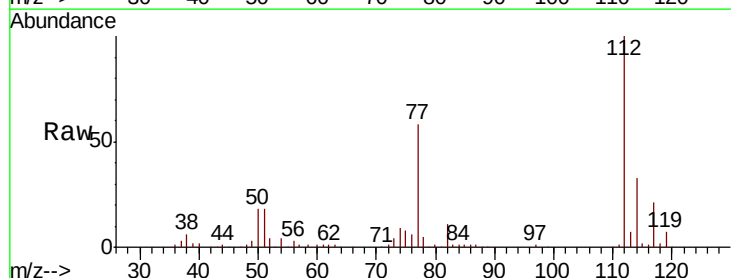
Acq: 23 Jul 2019 19:28

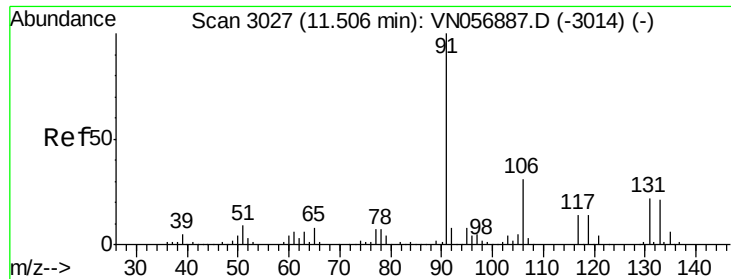
Tgt Ion: 112 Resp: 174570

Ion Ratio Lower Upper

112 100

114 33.4 26.7 40.1

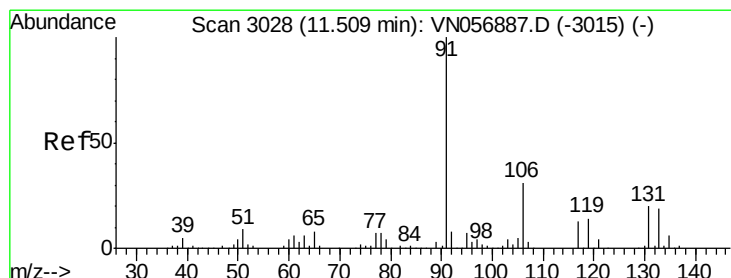
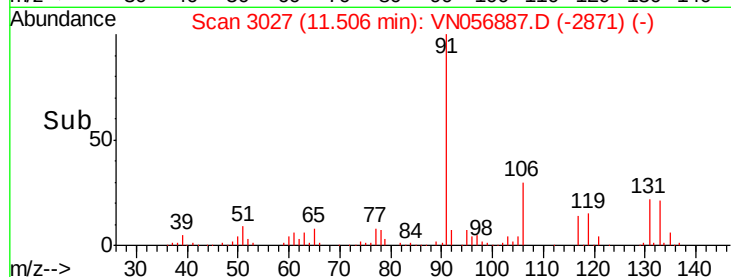
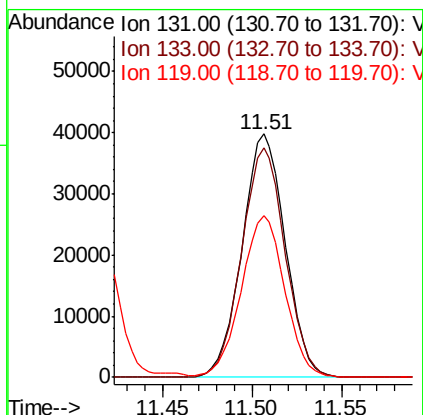
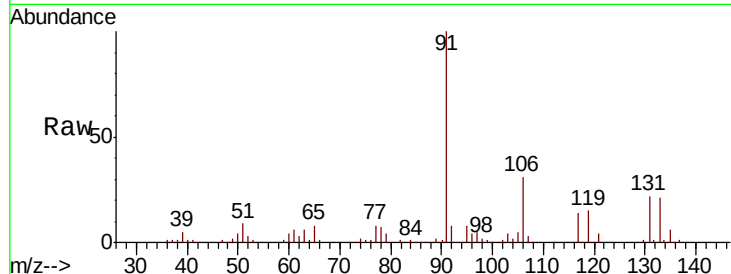




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.148 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

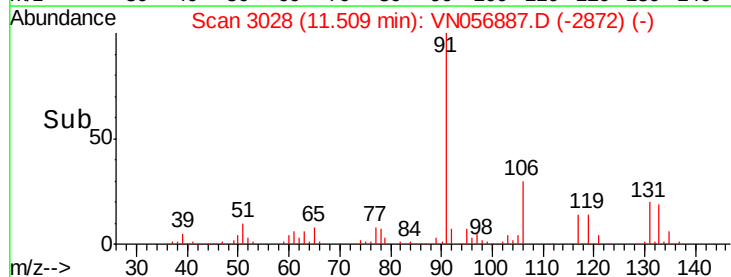
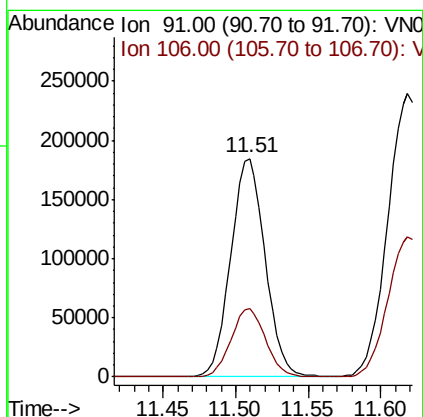
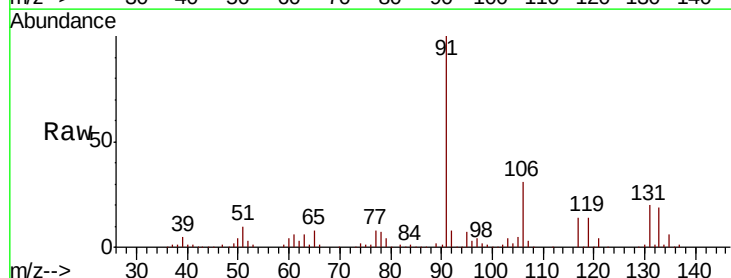
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

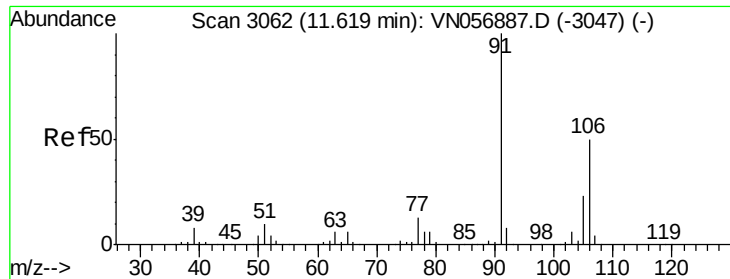
Tot Ion:131 Resp: 67259
 Ion Ratio Lower Upper
 131 100
 133 94.8 0.0 189.6
 119 66.8 0.0 133.6



#66
 Ethyl Benzene
 Concen: 18.221 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 305172
 Ion Ratio Lower Upper
 91 100
 106 31.1 24.9 37.3

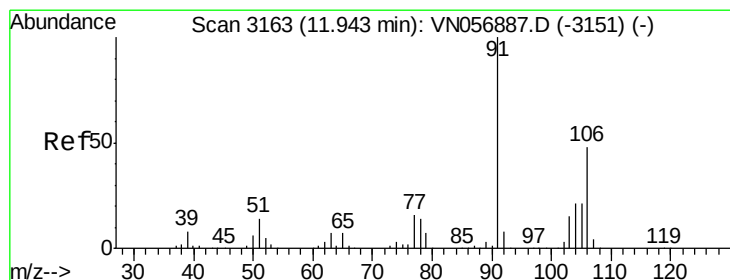
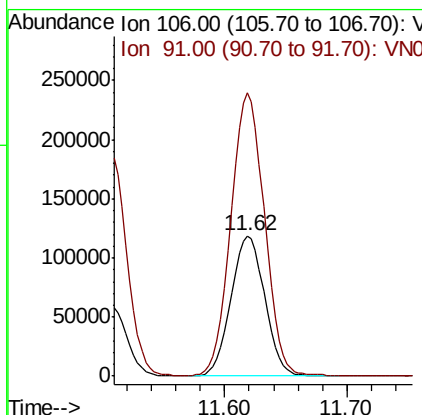
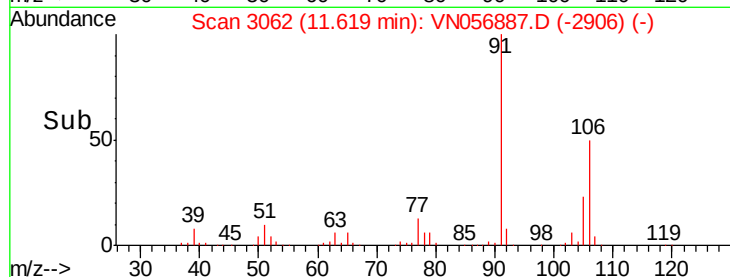
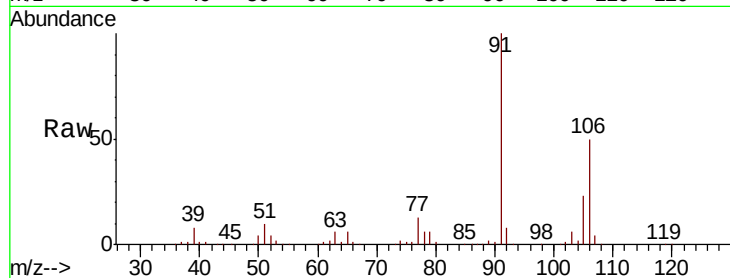




#67
m/p-Xylenes
Concen: 36.253 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

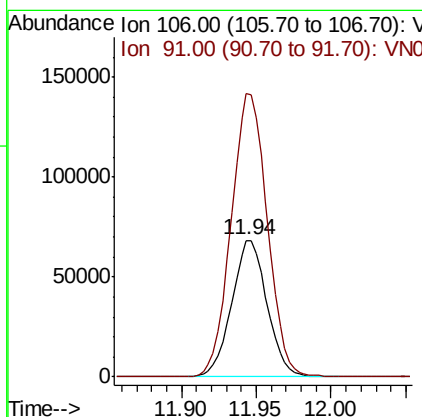
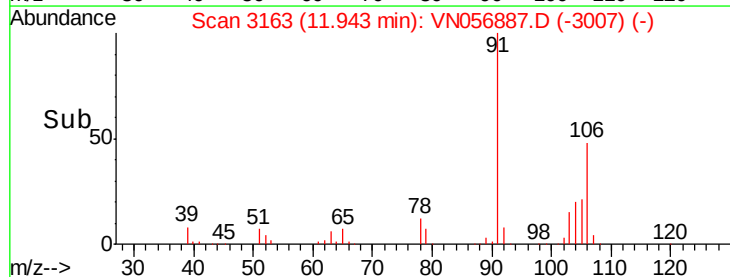
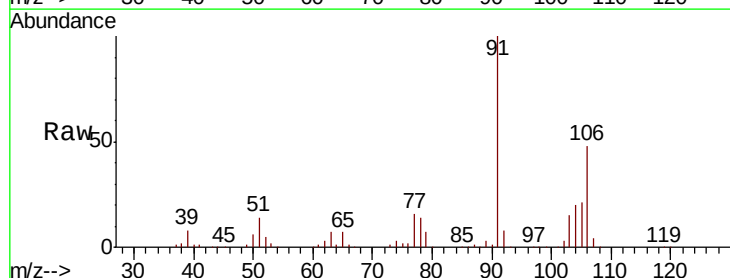
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

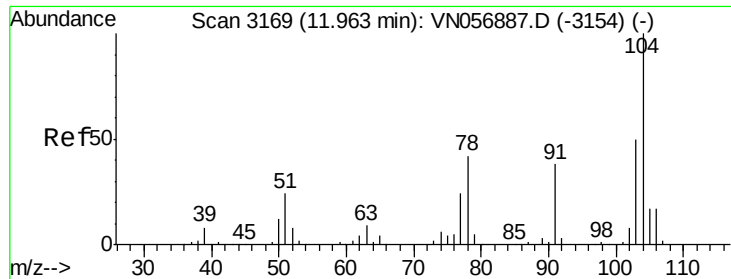
Tot Ion:106 Resp: 228501
Ion Ratio Lower Upper
106 100
91 200.7 160.6 240.8



#68
o-Xylene
Concen: 18.158 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:106 Resp: 112319
Ion Ratio Lower Upper
106 100
91 212.4 106.2 318.6

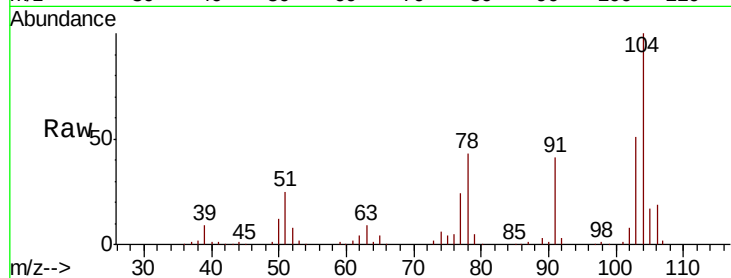




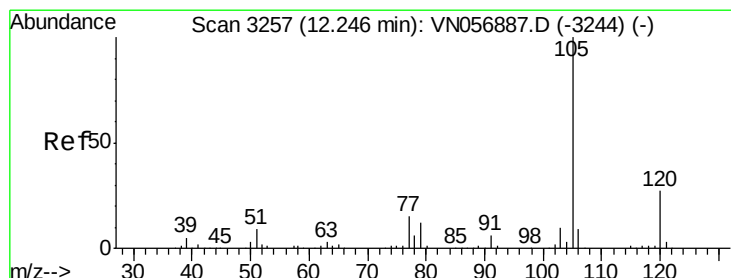
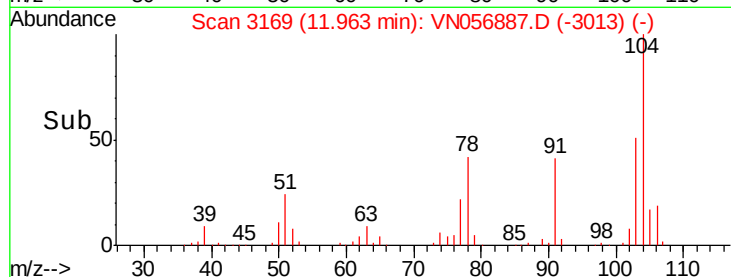
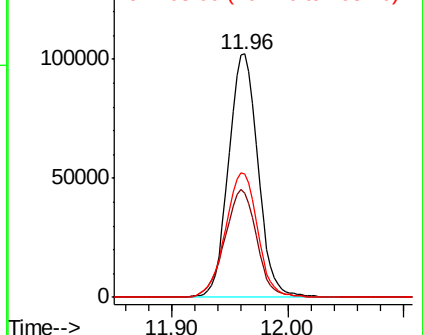
#69
Stvrene
Concen: 17.598 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:104 Resp: 179326
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.9 44.7 67.1

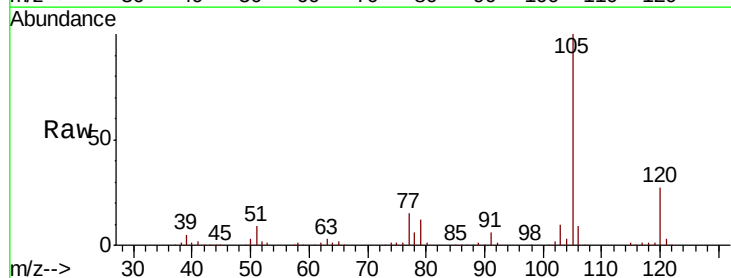


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

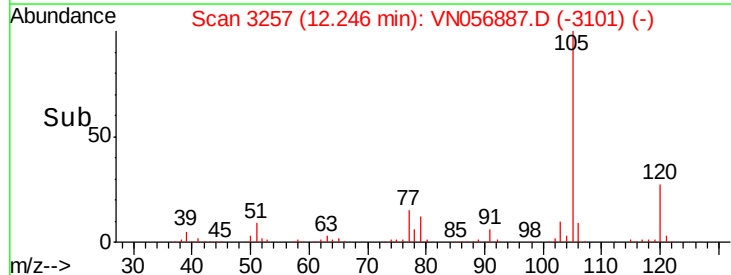
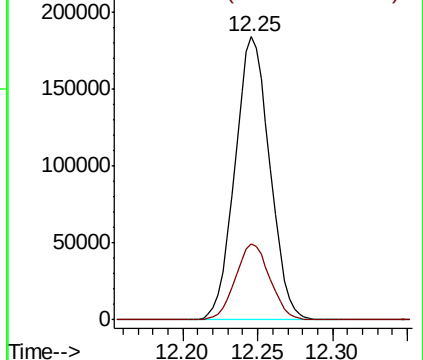


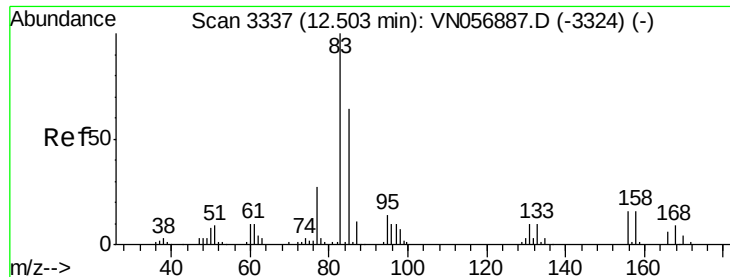
#70
Isopropylbenzene
Concen: 18.418 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:105 Resp: 297967
Ion Ratio Lower Upper
105 100
120 26.7 18.7 34.7



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

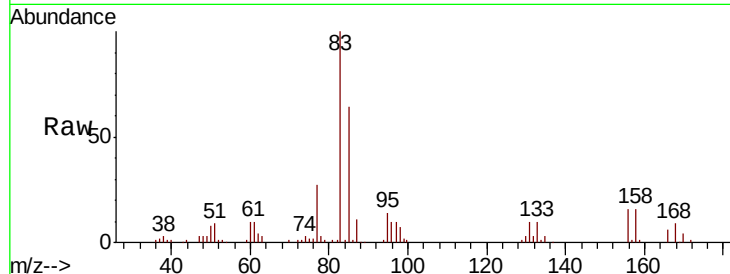




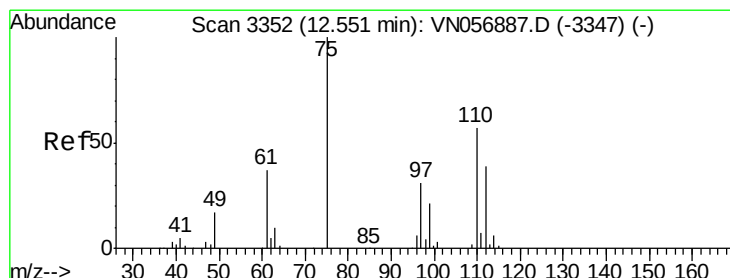
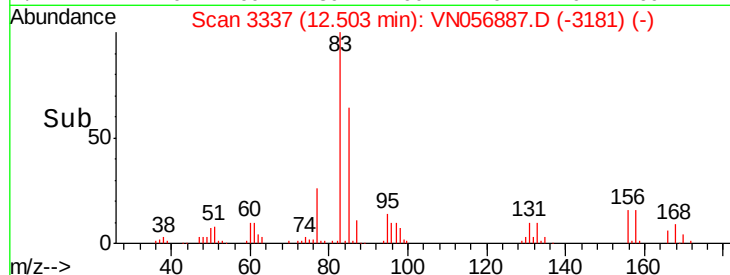
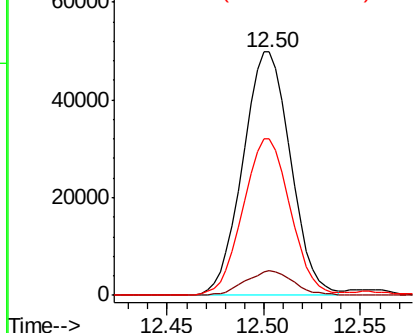
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.642 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 83 Resp: 85831
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.1 15.2
 85 63.6 31.8 95.4

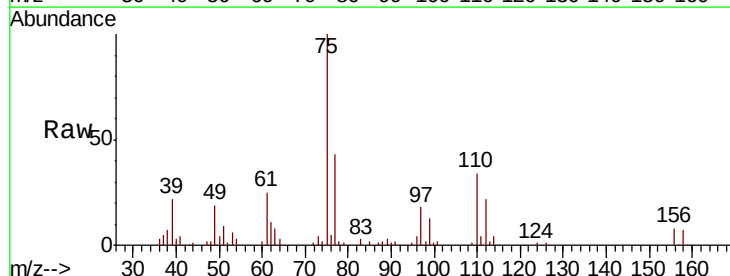


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

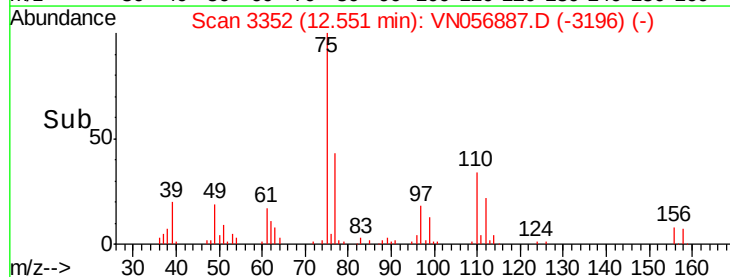
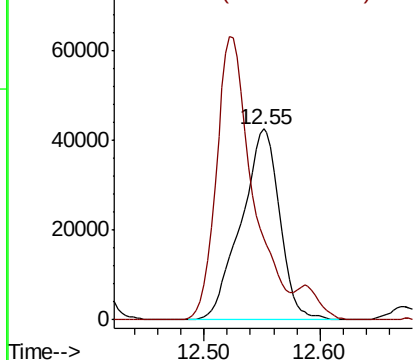


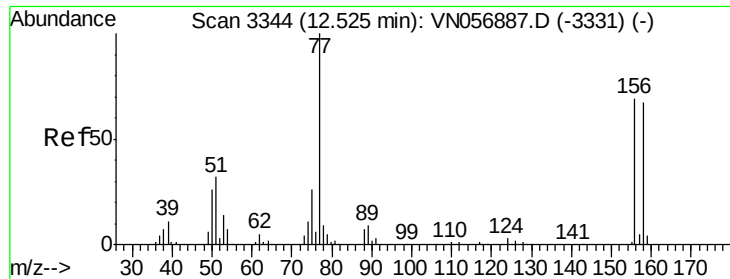
#72
 1,2,3-Trichloropropane
 Concen: 22.610 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 99207
 Ion Ratio Lower Upper
 75 100
 77 137.8 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.796 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

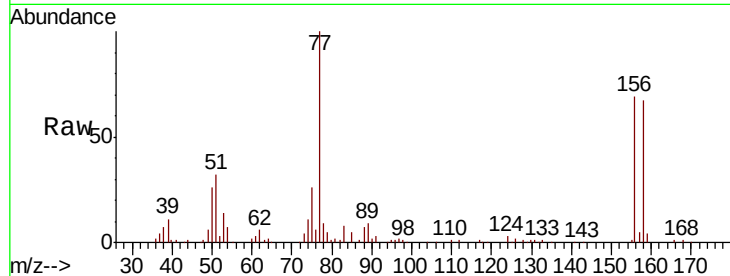
Tot Ion:156 Resp: 75026

Ion Ratio Lower Upper

156 100

77 182.3 0.0 364.6

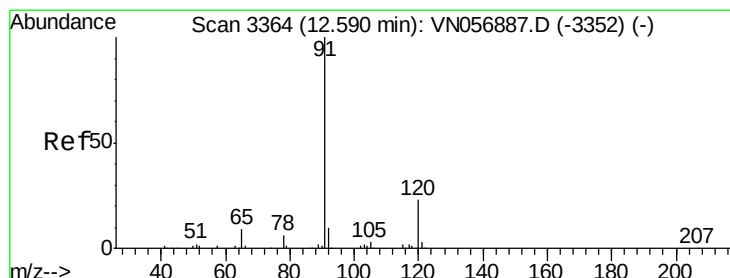
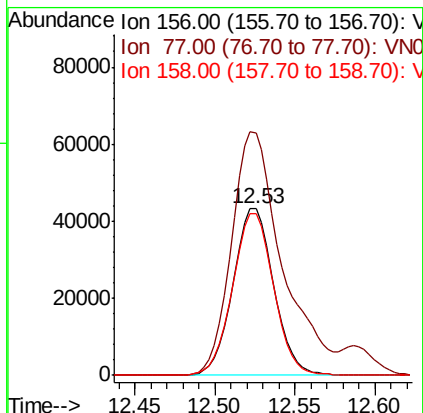
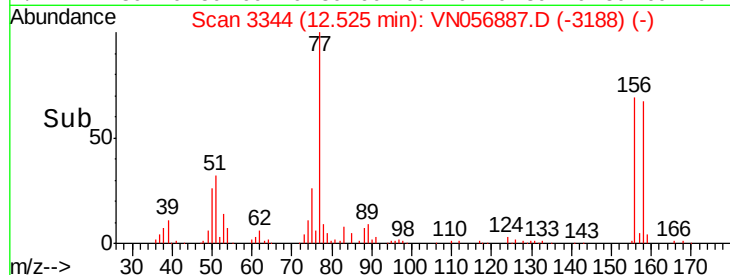
158 98.1 0.0 196.2



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: 17.453 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056887.D

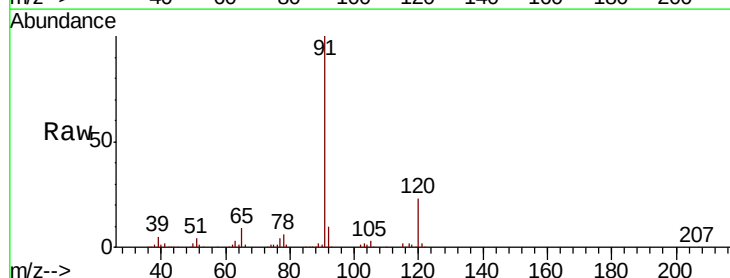
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 314500

Ion Ratio Lower Upper

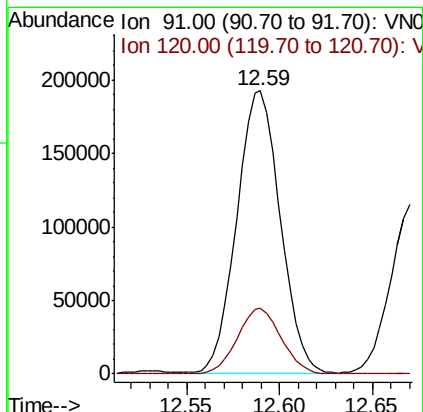
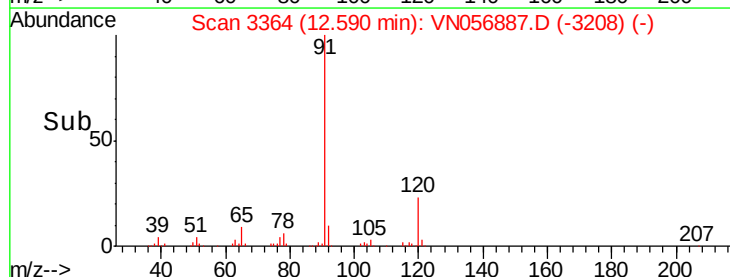
91 100

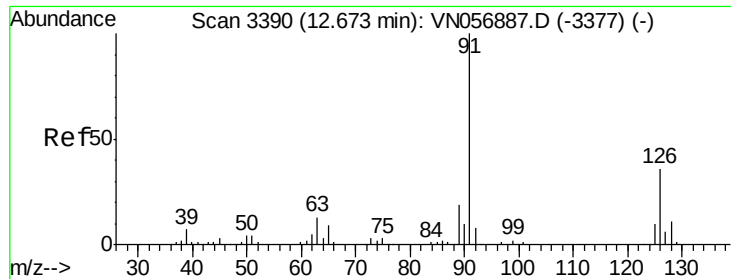
120 23.2 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

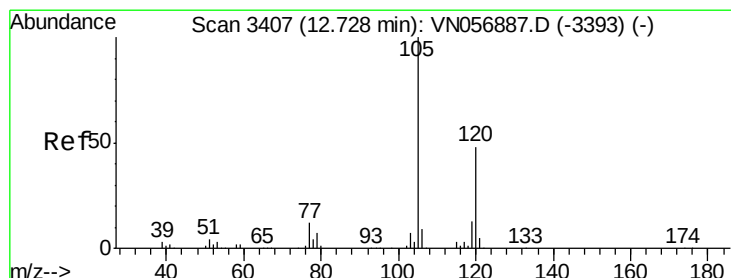
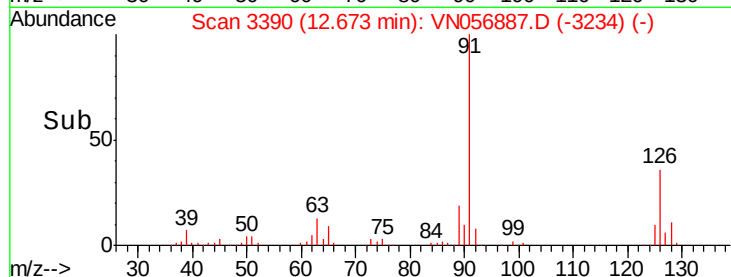
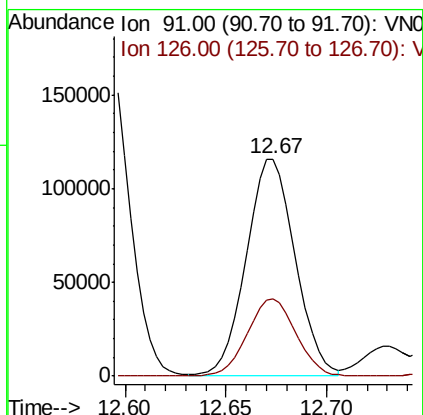
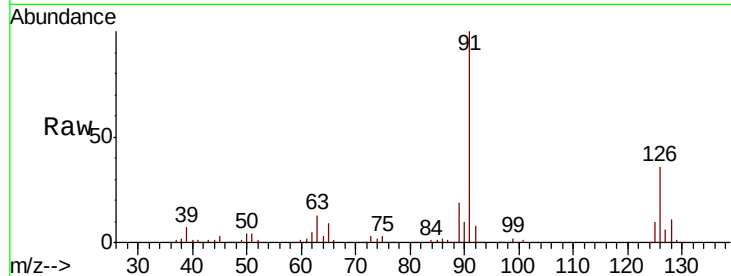




#75
2-Chlorotoluene
Concen: 17.986 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

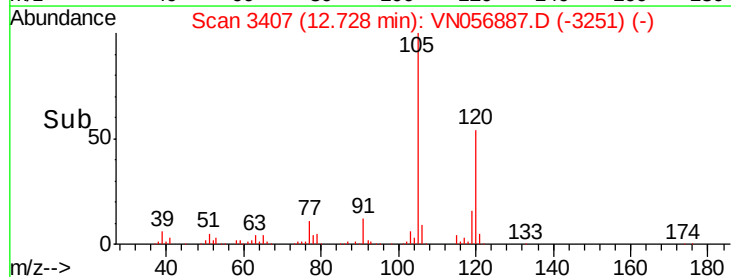
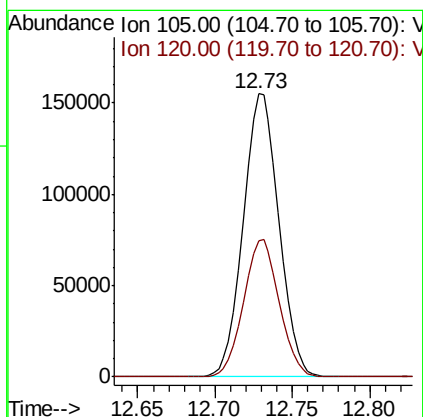
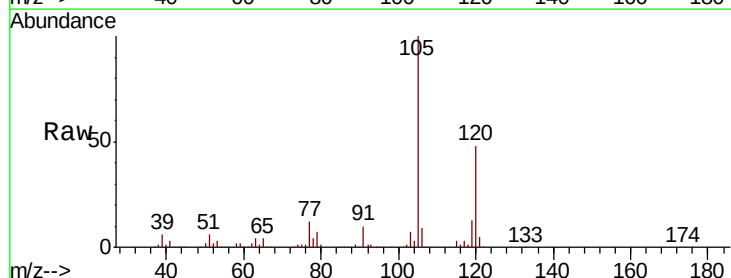
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

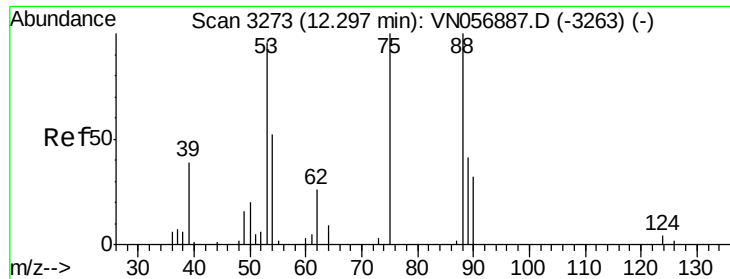
Tot Ion: 91 Resp: 196608
Ion Ratio Lower Upper
91 100
126 35.4 0.0 70.8



#76
1,3,5-Trimethylbenzene
Concen: 18.184 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion: 105 Resp: 249246
Ion Ratio Lower Upper
105 100
120 48.6 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.325 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

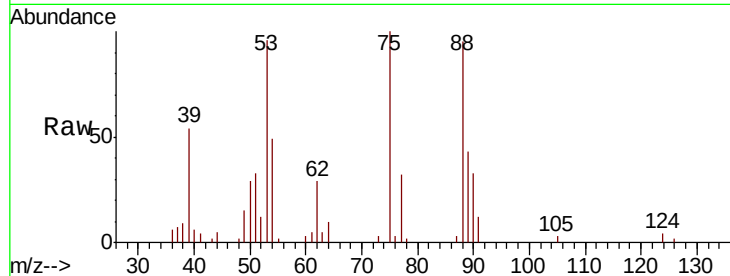
Tot Ion: 75 Resp: 20893

Ion Ratio Lower Upper

75 100

53 96.0 48.0 144.0

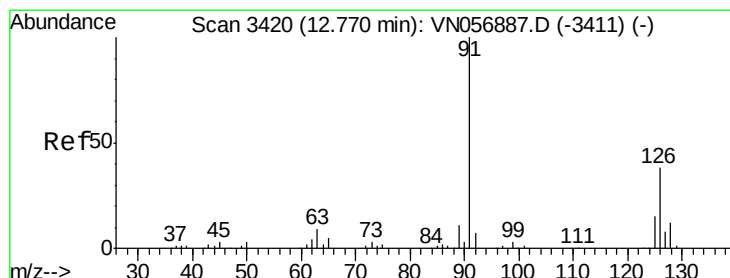
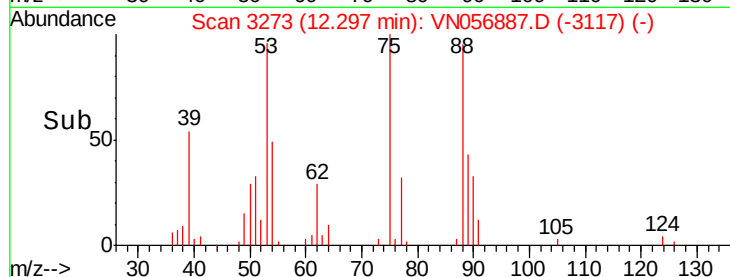
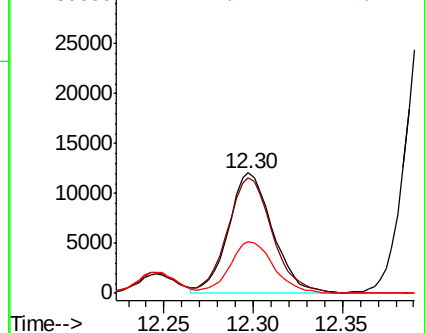
89 42.9 21.4 64.3



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: 17.195 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056887.D

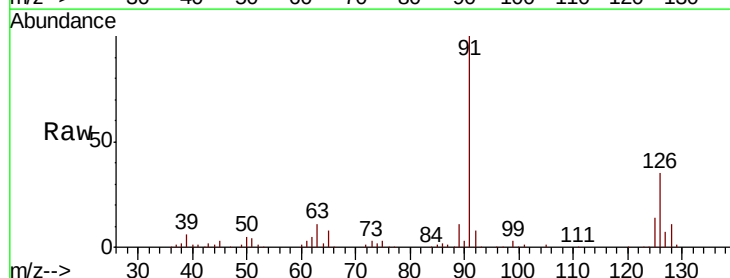
Acq: 23 Jul 2019 19:28

Tgt Ion: 91 Resp: 181266

Ion Ratio Lower Upper

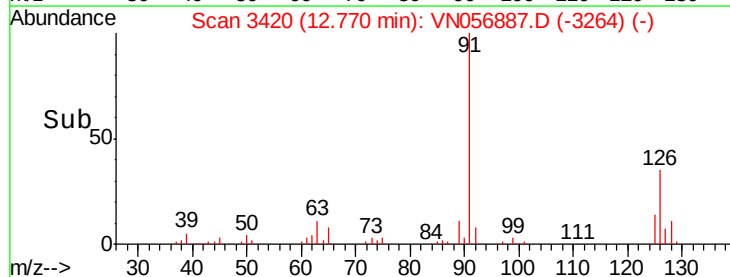
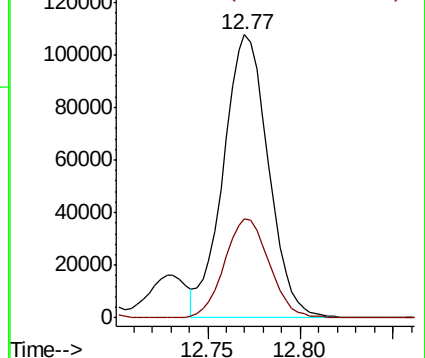
91 100

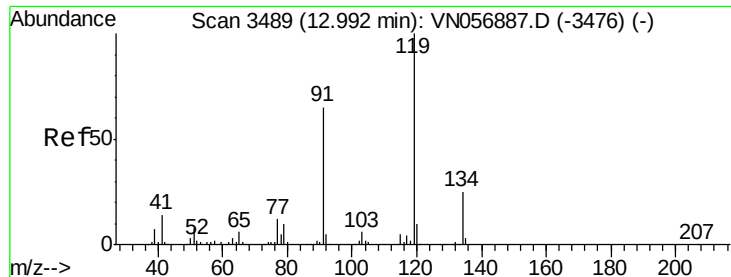
126 34.8 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

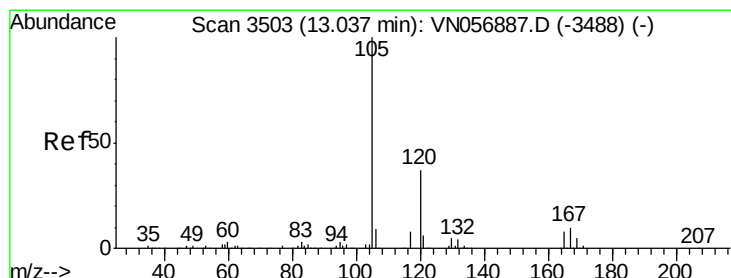
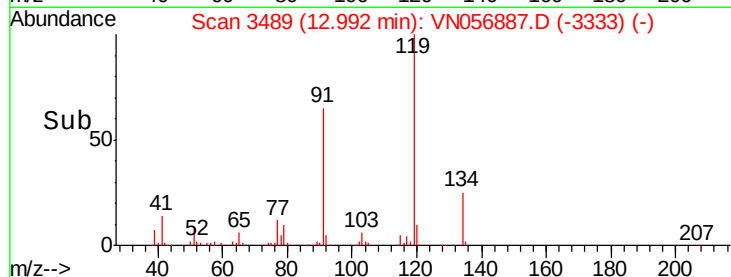
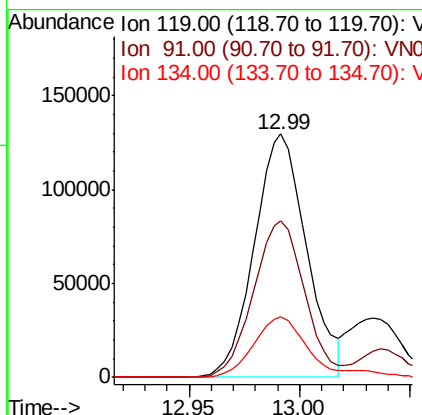
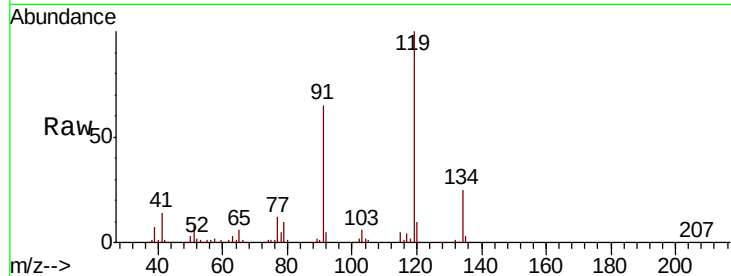




#79
tert-butylbenzene
Concen: 18.175 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

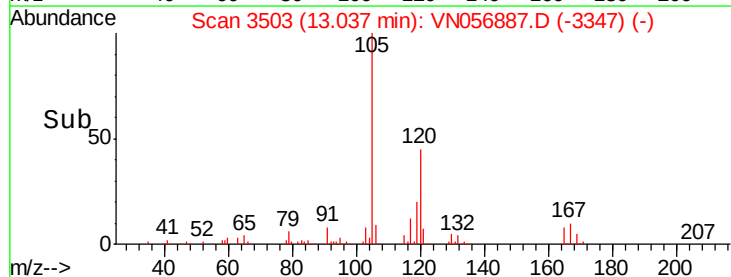
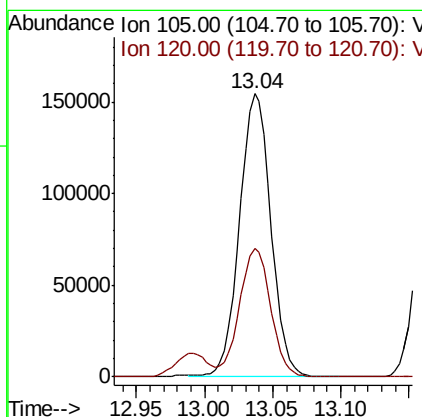
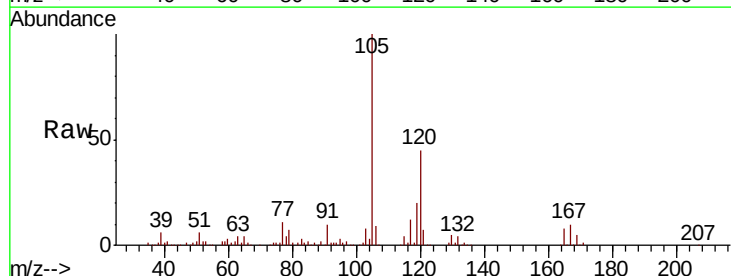
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

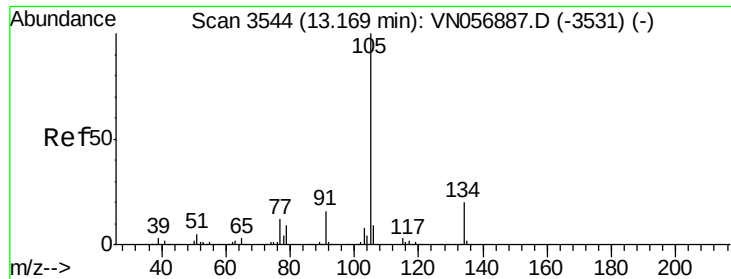
Tot Ion:119 Resp: 212900
Ion Ratio Lower Upper
119 100
91 63.4 0.0 126.8
134 24.4 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 18.102 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:105 Resp: 246484
Ion Ratio Lower Upper
105 100
120 45.3 0.0 90.6





#81

sec-Butylbenzene

Concen: 17.894 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

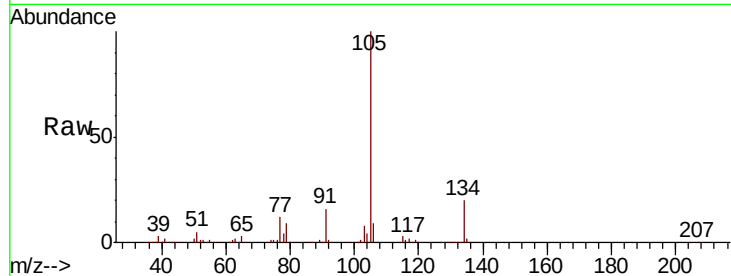
VSTDICCC020

Tot Ion:105 Resp: 276165

Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

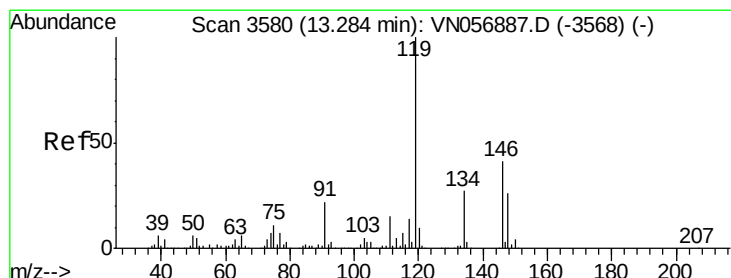
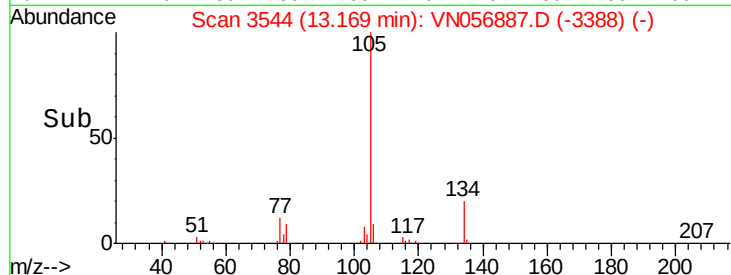
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 17.741 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

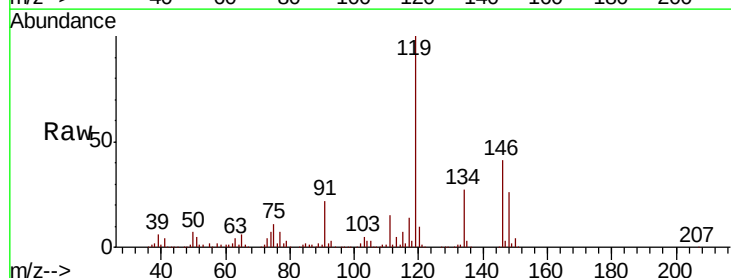
Tgt Ion:119 Resp: 248201

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

91 22.0 0.0 44.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

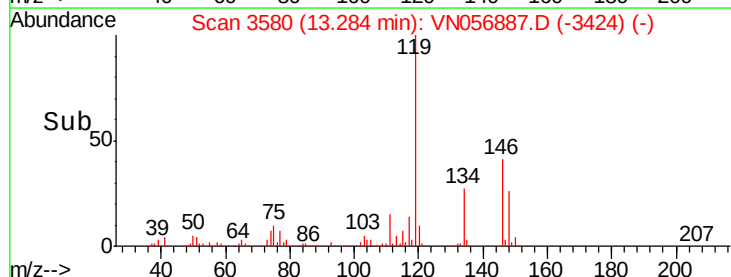
100000

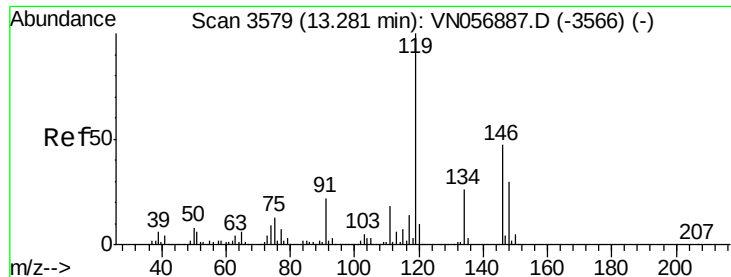
50000

0

13.20 13.25 13.30 13.35

Time-->





#83

1,3-Dichlorobenzene

Concen: 16.507 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

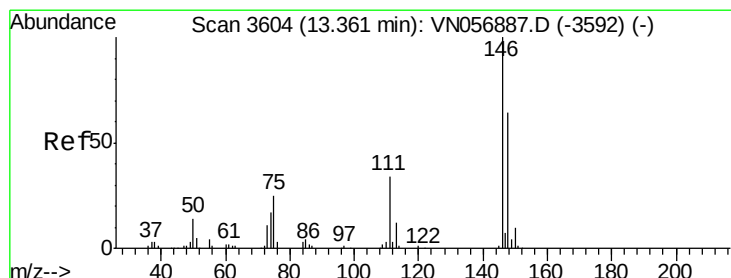
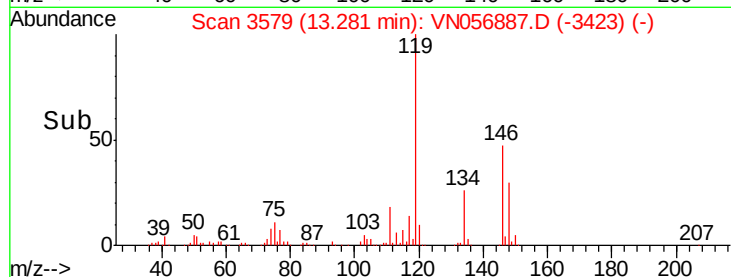
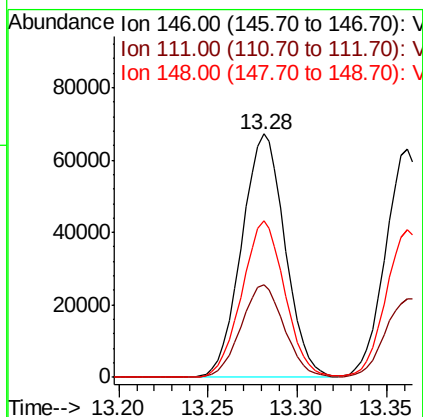
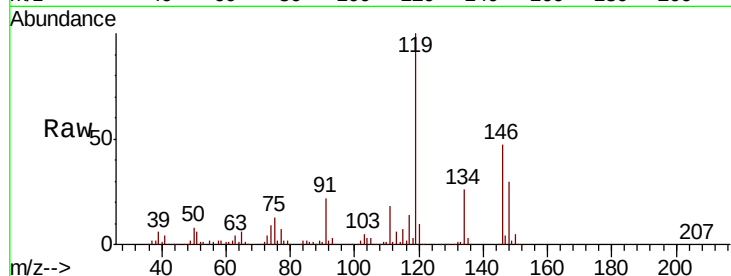
Tot Ion:146 Resp: 114569

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

148 63.4 31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 15.936 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

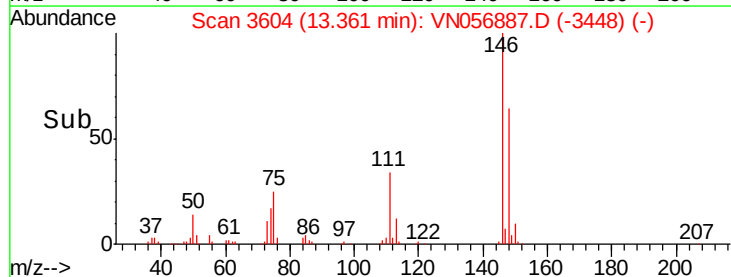
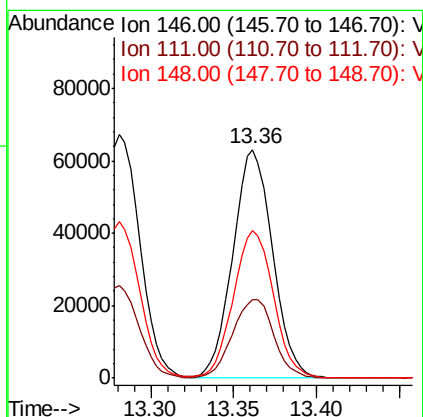
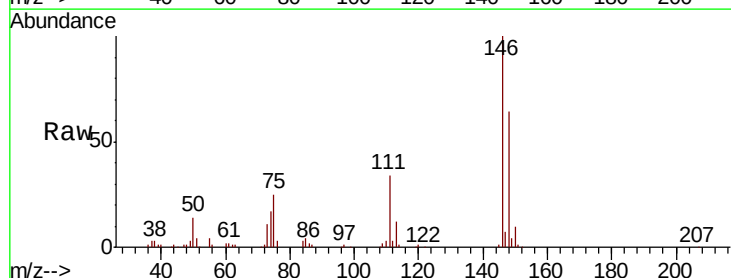
Tgt Ion:146 Resp: 105519

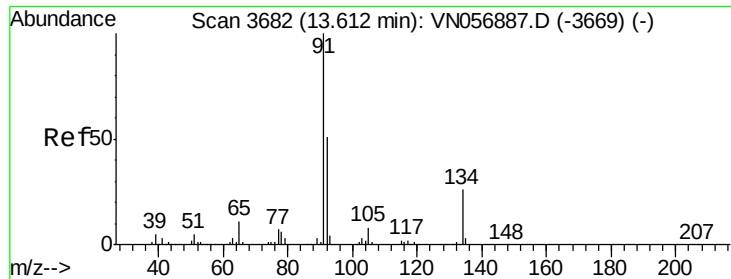
Ion Ratio Lower Upper

146 100

111 35.7 17.8 53.5

148 65.1 32.6 97.7





#85

n-Butylbenzene

Concen: 16.256 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

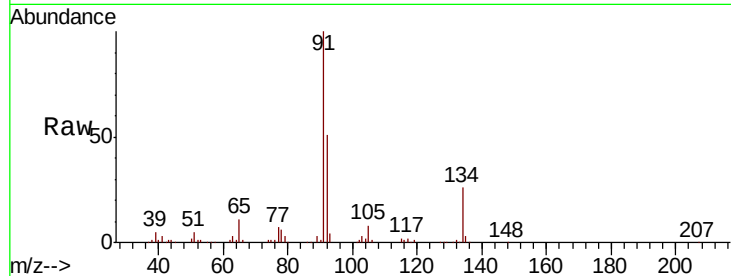
Tot Ion: 91 Resp: 185797

Ion Ratio Lower Upper

91 100

92 50.9 0.0 101.8

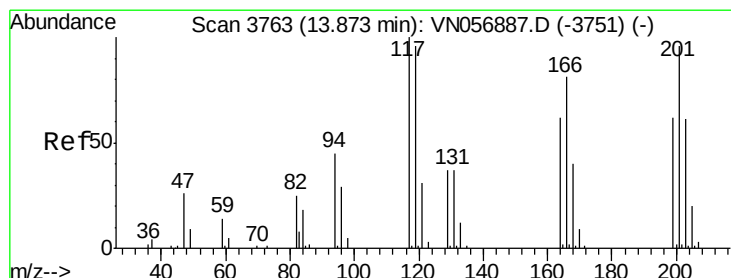
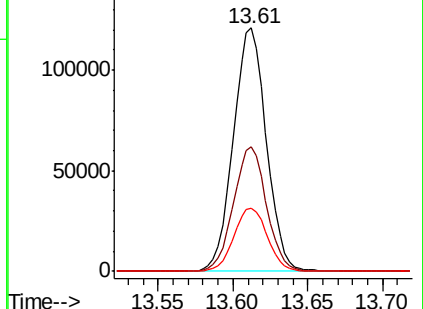
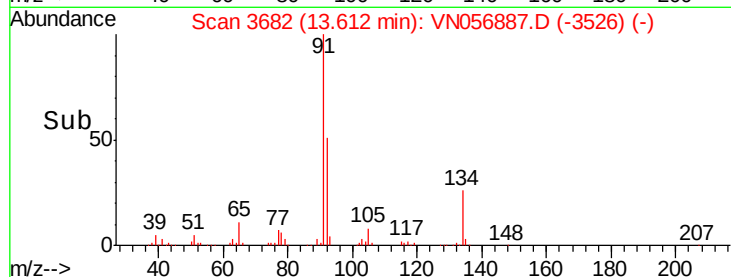
134 26.2 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)



#86

Hexachloroethane

Concen: 18.206 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056887.D

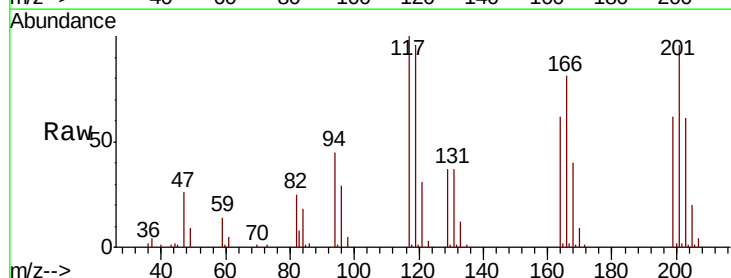
Acq: 23 Jul 2019 19:28

Tgt Ion: 117 Resp: 40678

Ion Ratio Lower Upper

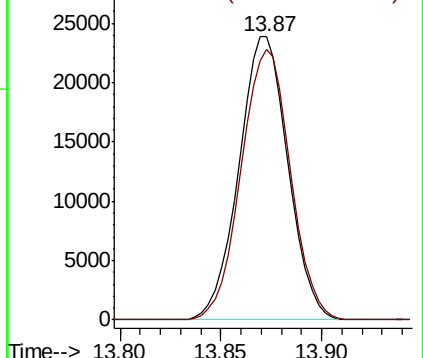
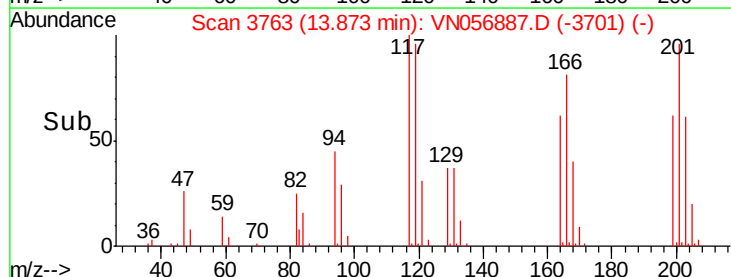
117 100

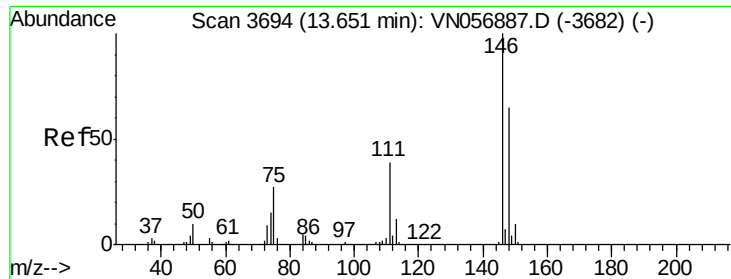
201 95.5 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

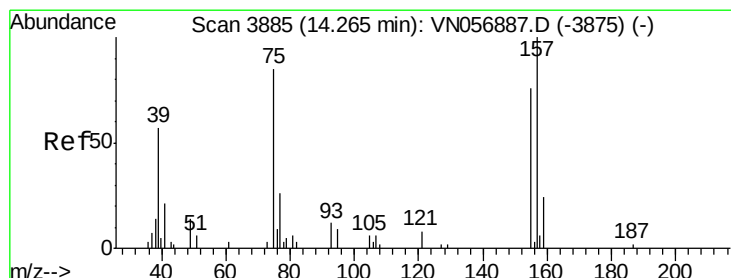
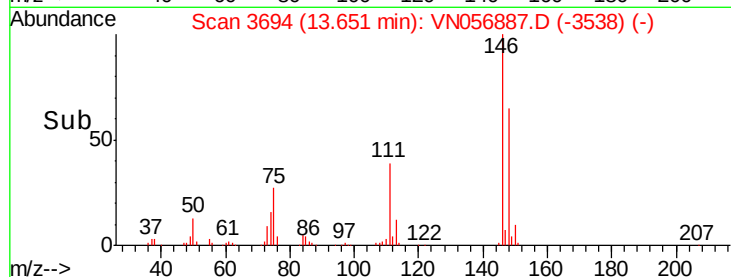
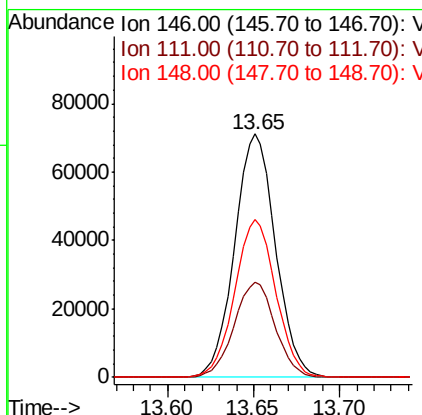
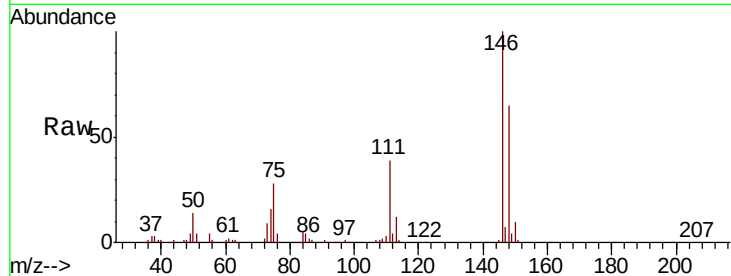




#87
 1,2-Dichlorobenzene
 Concen: 16.807 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

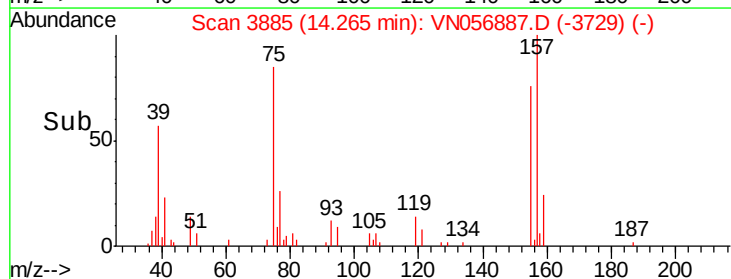
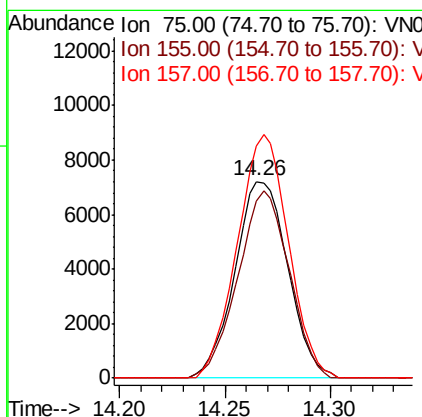
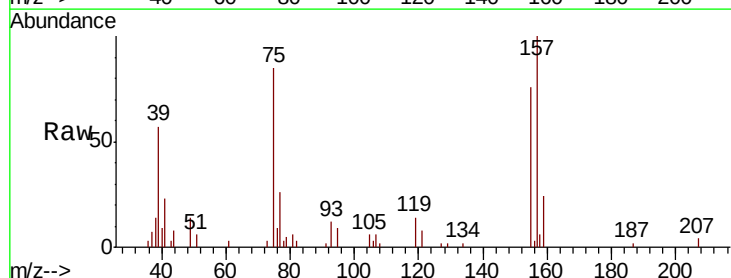
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

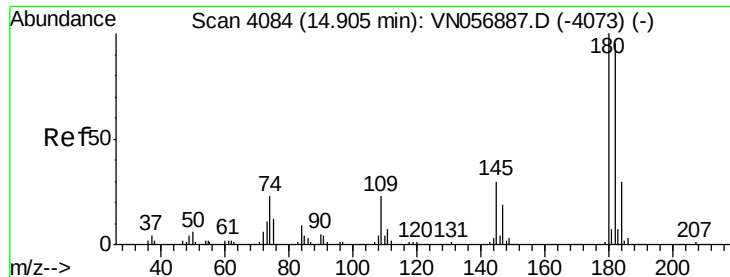
Tot Ion:146 Resp: 117622
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 65.0 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.363 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056887.D
 Acq: 23 Jul 2019 19:28

Tgt Ion: 75 Resp: 12633
 Ion Ratio Lower Upper
 75 100
 155 91.8 73.4 110.2
 157 118.8 95.0 142.6

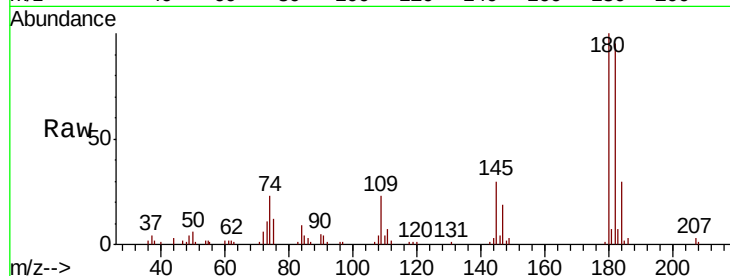




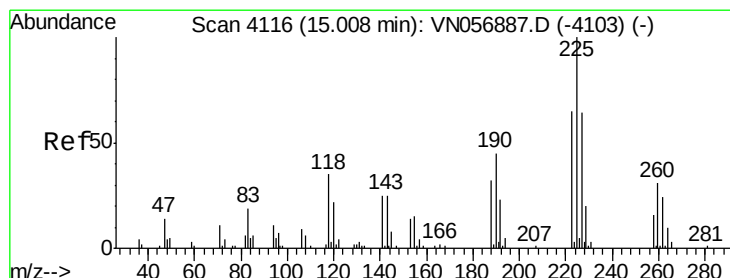
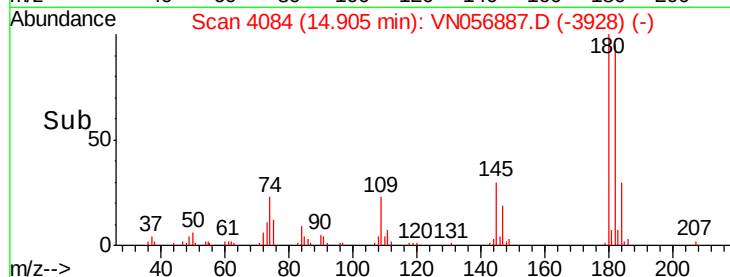
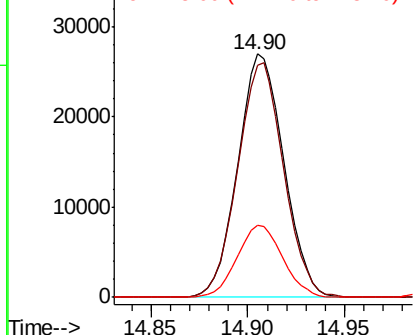
#89
1,2,4-Trichlorobenzene
Concen: 12.202 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:180 Resp: 44630
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.4
145 29.4 23.5 35.3

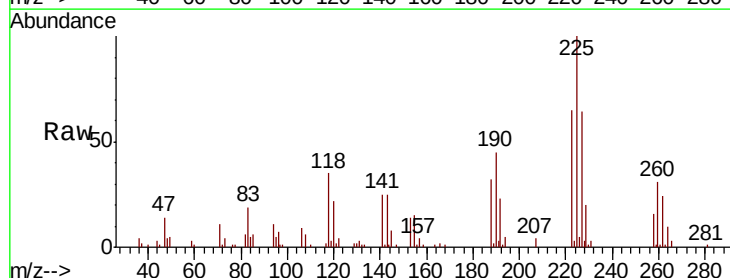


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

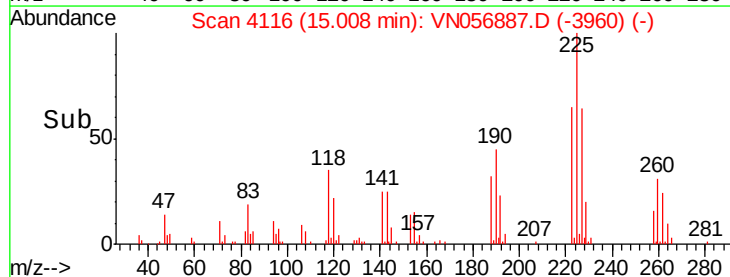
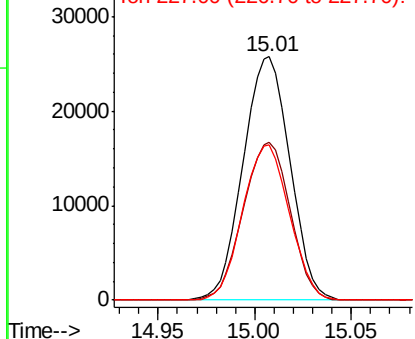


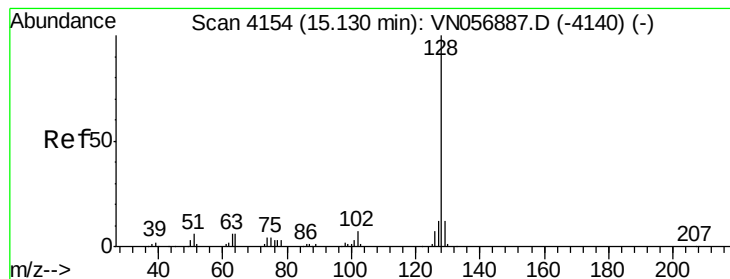
#90
Hexachlorobutadiene
Concen: 17.759 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056887.D
Acq: 23 Jul 2019 19:28

Tgt Ion:225 Resp: 43551
Ion Ratio Lower Upper
225 100
223 65.0 0.0 130.0
227 63.6 0.0 127.2



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





#91

Naphthalene

Concen: 11.489 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

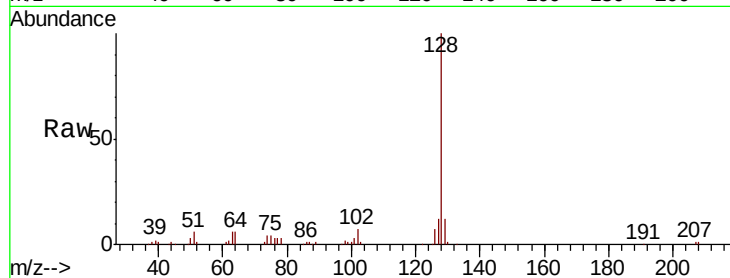
Tot Ion:128 Resp: 113800

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

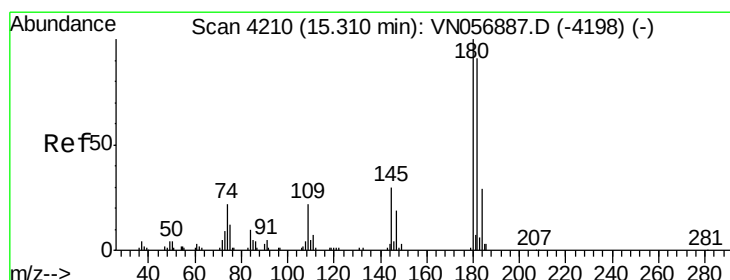
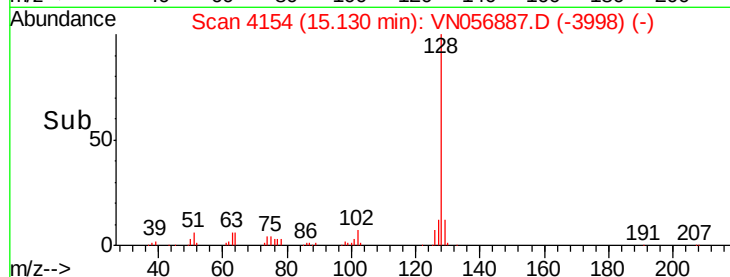
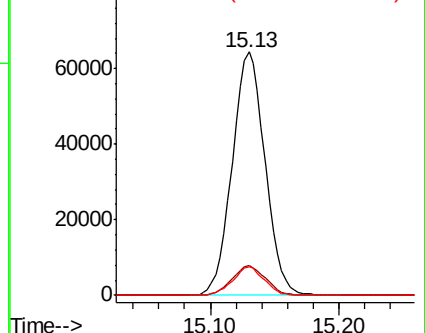
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.582 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056887.D

Acq: 23 Jul 2019 19:28

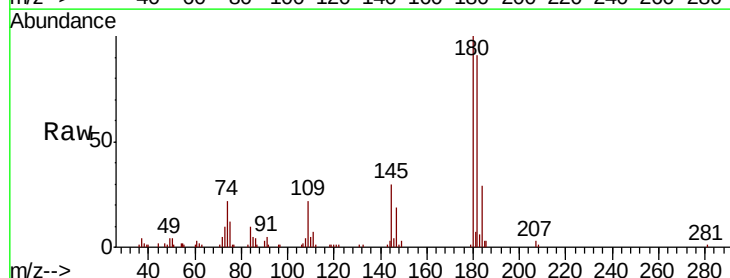
Tgt Ion:180 Resp: 52718

Ion Ratio Lower Upper

180 100

182 94.0 0.0 188.0

145 30.5 0.0 61.0



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

