

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN062119\
 Data File : VN056412.D
 Acq On : 21 Jun 2019 9:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 24 09:31:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	63570	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	353228	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	302146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	129027	32.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.93%
60) 4-Bromofluorobenzene	12.40	95	132153	29.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.37%
63) Toluene-d8	10.09	98	425759	31.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	81426	22.774	ug/l 100
3) Chloromethane	2.06	50	87990	21.063	ug/l 99
4) Vinyl Chloride	2.18	62	89719	21.064	ug/l 100
5) Bromomethane	2.54	94	51236m	19.141	ug/l
6) Chloroethane	2.69	64	50936	21.143	ug/l 97
7) Trichlorofluoromethane	3.01	101	117352	22.269	ug/l 98
8) Diethyl Ether	3.41	74	47396	21.206	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73474	22.587	ug/l 97
10) 1,1-Dichloroethene	3.73	96	70237	21.166	ug/l 97
11) Methyl Iodide	3.95	142	92750	17.716	ug/l 97
12) Methyl Acetate	4.33	43	93517	23.452	ug/l 97
13) Acrolein	3.61	56	19745	101.591	ug/l 93
14) Acrylonitrile	4.99	53	196089	110.270	ug/l 98
15) Acetone	3.82	58	69135	118.737	ug/l 92
16) Carbon Disulfide	4.05	76	156113	19.772	ug/l 99
17) Allyl chloride	4.32	41	114846	22.337	ug/l 99
18) Methylene Chloride	4.55	84	80979	21.079	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	75330	21.267	ug/l 97
20) Diisopropyl ether	5.95	45	238370	22.377	ug/l 98
21) 1,1-Dichloroethane	5.85	63	138312	22.342	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	86812	20.998	ug/l 95
23) tert-Butyl Alcohol	4.80	59	67388	97.358	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	224925	21.269	ug/l 100
25) Chloroform	7.37	83	135462	21.914	ug/l 100
26) Cyclohexane	7.65	56	127277	22.161	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	101268	21.195	ug/l 98
30) 2-Butanone	6.84	43	283129	112.559	ug/l 98
31) 2,2-Dichloropropane	6.82	77	97464	21.927	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	109401	20.724	ug/l 99
33) Carbon Tetrachloride	7.77	117	89093	19.920	ug/l 97
34) Benzene	8.04	78	317934	20.884	ug/l 99
35) Methacrylonitrile	7.17	41	40454	19.045	ug/l 96
36) 1,2-Dichloroethane	8.13	62	102765	21.551	ug/l 98
37) Trichloroethene	8.84	130	86395	20.280	ug/l 93
38) Methylcyclohexane	9.08	83	128829	21.268	ug/l 99
39) 1,2-Dichloropropane	9.12	63	85188	21.849	ug/l 99
40) Dibromomethane	9.21	93	52975	20.492	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	95759	20.686	ug/l	99
42) Vinyl Acetate	5.90	43	970440	108.215	ug/l	98
43) Ethyl Acetate	6.93	43	102554	21.303	ug/l	99
44) Isopropyl Acetate	8.17	43	155202	20.764	ug/l	100
45) 1,4-Dioxane	9.20	88	31686	396.283	ug/l	95
46) Methyl methacrylate	9.20	41	75862	20.430	ug/l	97
47) n-amyl Acetate	12.07	43	123110	19.916	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	96897	19.890	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	119342	20.920	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	78985	20.570	ug/l	97
51) Ethyl methacrylate	10.43	69	113998	19.624	ug/l	98
52) 1,3-Dichloropropane	10.71	76	130619	20.983	ug/l	99
53) Dibromochloromethane	10.90	129	71776	19.095	ug/l	99
54) 1,2-Dibromoethane	11.01	107	78681	19.636	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	199442	98.016	ug/l	98
56) Bromoform	12.13	173	48519	17.843	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	501053	109.514	ug/l	97
59) 2-Hexanone	10.75	43	363997	111.309	ug/l	99
61) Tetrachloroethene	10.63	164	82974	19.704	ug/l	98
62) Toluene	10.16	91	342845	21.019	ug/l	99
64) Chlorobenzene	11.43	112	203226	20.541	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72819	20.411	ug/l	97
66) Ethyl Benzene	11.51	91	363910	20.947	ug/l	98
67) m/p-Xylenes	11.62	106	266705	40.108	ug/l	95
68) o-Xylene	11.95	106	132131	20.297	ug/l	98
69) Styrene	11.96	104	209143	19.774	ug/l	98
70) Isopropylbenzene	12.25	105	353764	20.799	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	108344	21.128	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	86892m	19.573	ug/l	
73) Bromobenzene	12.53	156	86785	19.223	ug/l	94
74) n-propylbenzene	12.59	91	370207	20.625	ug/l	98
75) 2-Chlorotoluene	12.67	91	232088	20.846	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	281886	20.148	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	23175	18.295	ug/l	93
78) 4-Chlorotoluene	12.77	91	207814	19.987	ug/l	98
79) tert-butylbenzene	12.99	119	254378	20.522	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	268841	19.753	ug/l	100
81) sec-Butylbenzene	13.17	105	324677	20.706	ug/l	99
82) p-Isopropyltoluene	13.29	119	278502	19.644	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	130415	18.536	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119719	17.863	ug/l	99
85) n-Butylbenzene	13.61	91	195071	18.436	ug/l	98
86) Hexachloroethane	13.87	117	43632	19.741	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	132521	18.530	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14787	18.369	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	48927	18.308	ug/l	99
90) Hexachlorobutadiene	15.01	225	51012	19.539	ug/l	99
91) Naphthalene	15.13	128	138677	14.600	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	59343	15.852	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

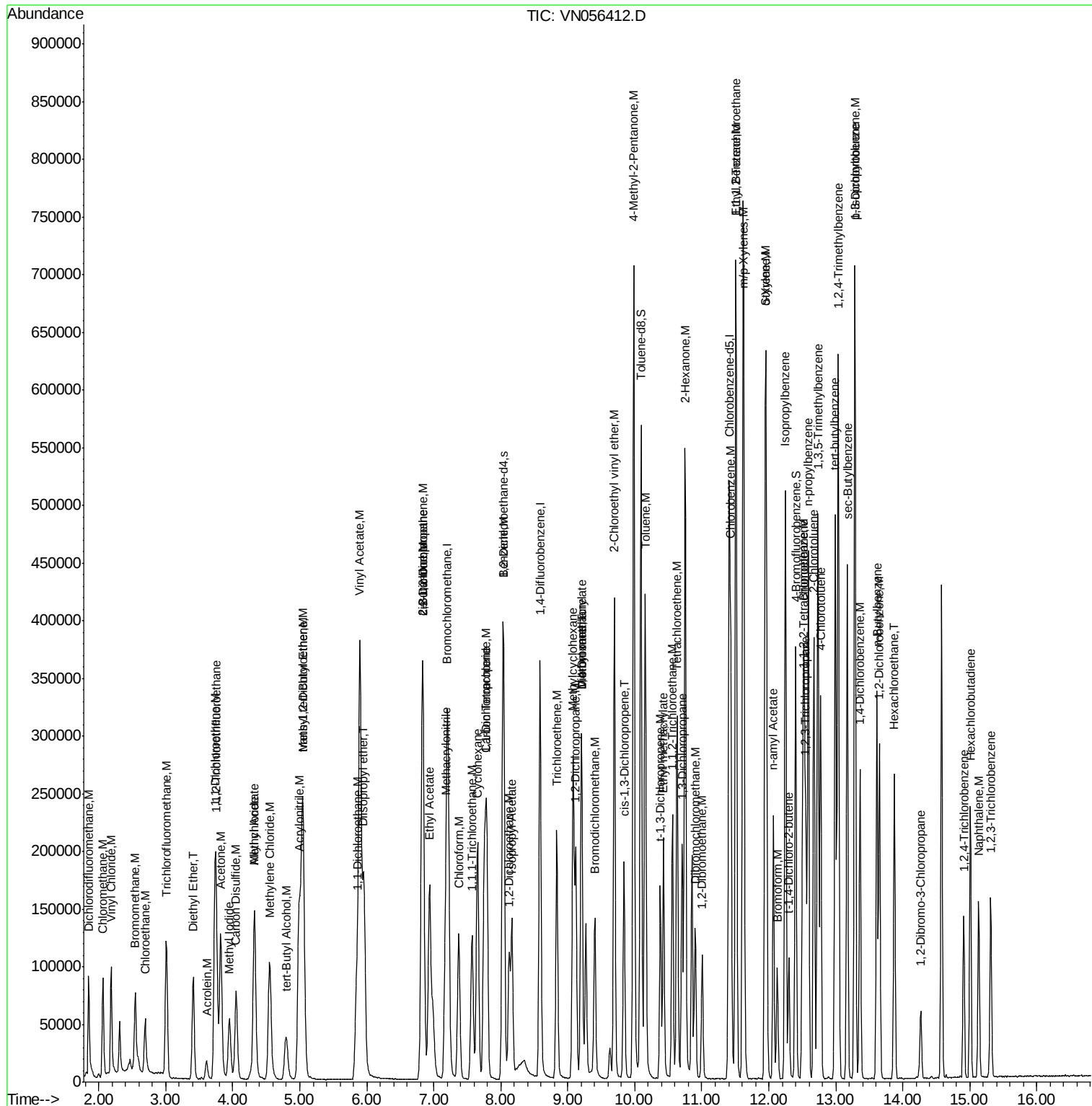
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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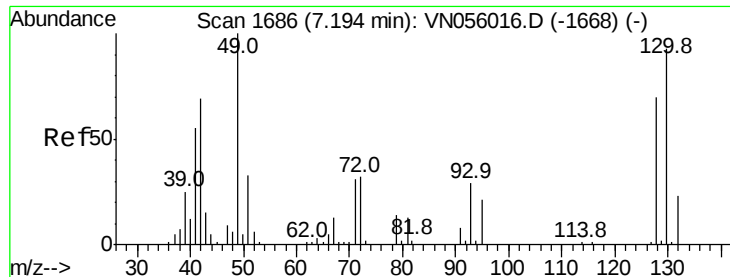
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 24 09:31:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

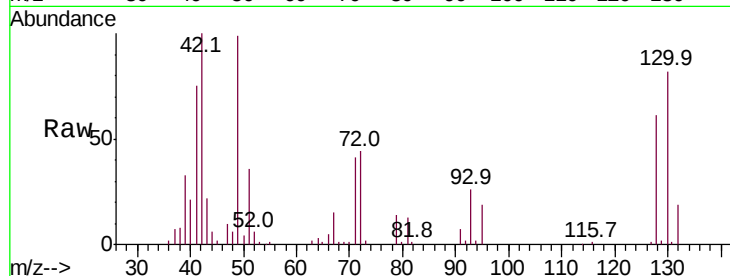
Tot Ion:128 Resp: 63570

Ion Ratio Lower Upper

128 100

49 156.9 0.0 355.8

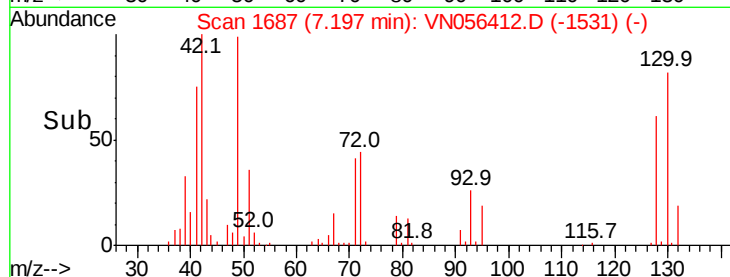
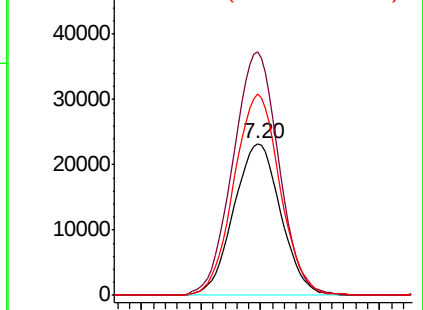
130 130.2 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.774 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056412.D

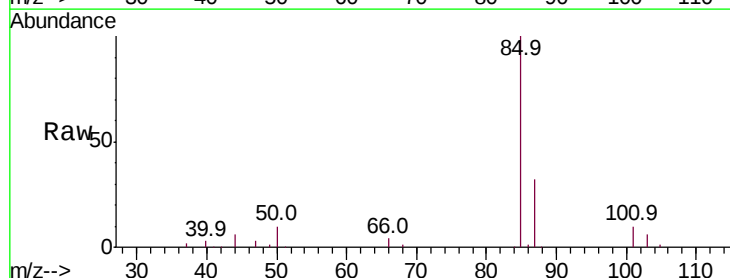
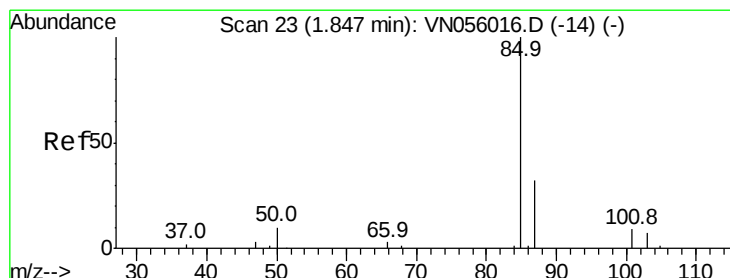
Acq: 21 Jun 2019 9:35

Tgt Ion: 85 Resp: 81426

Ion Ratio Lower Upper

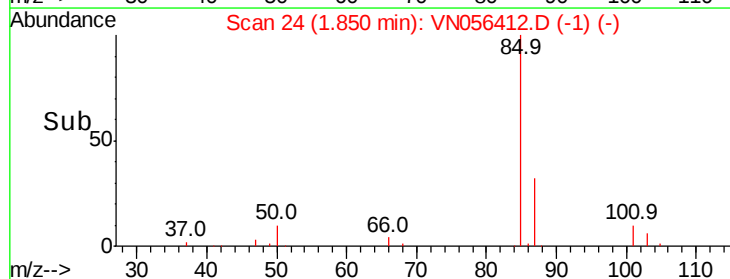
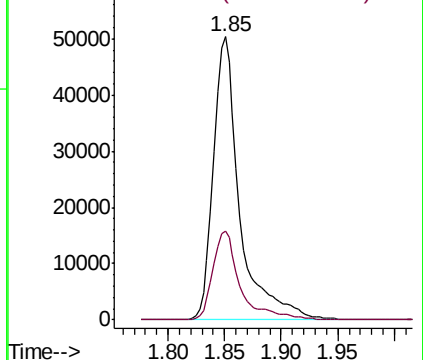
85 100

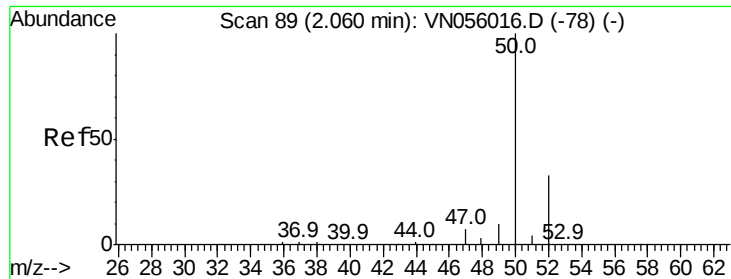
87 31.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.063 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

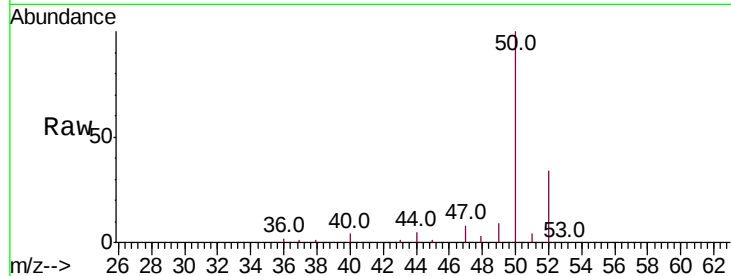
VSTDCCC020

Tot Ion: 50 Resp: 87990

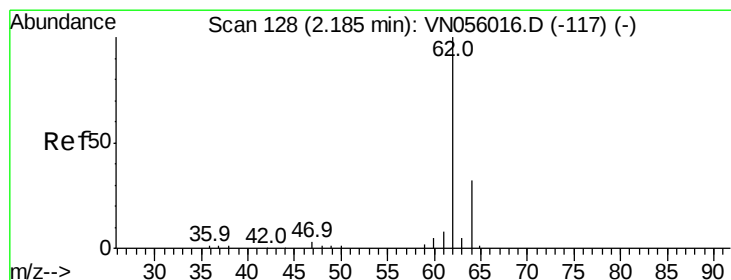
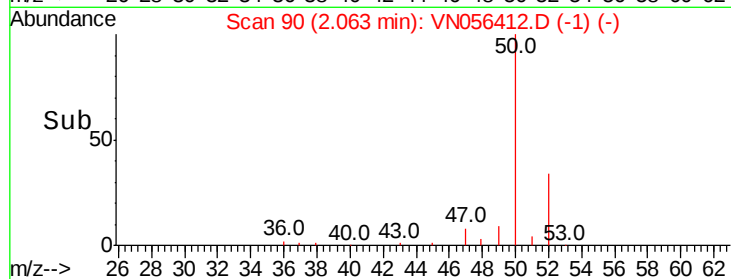
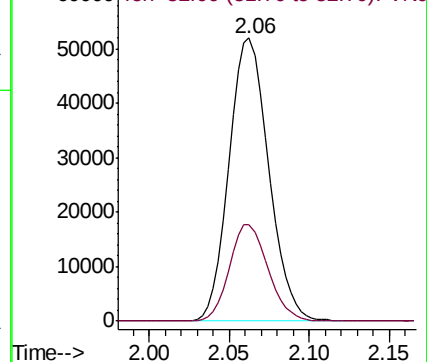
Ion Ratio Lower Upper

50 100

52 34.2 26.7 40.1



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



#4

Vinyl Chloride

Concen: 21.064 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056412.D

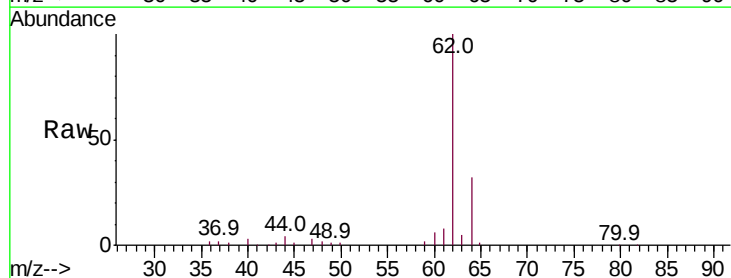
Acq: 21 Jun 2019 9:35

Tgt Ion: 62 Resp: 89719

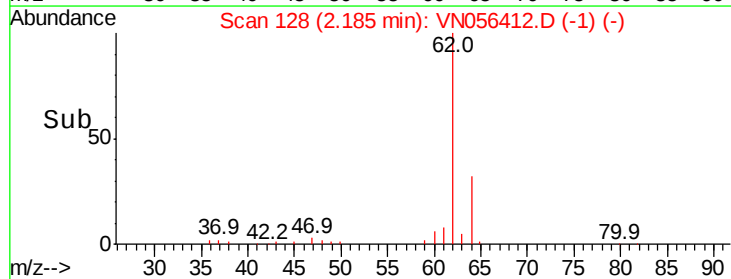
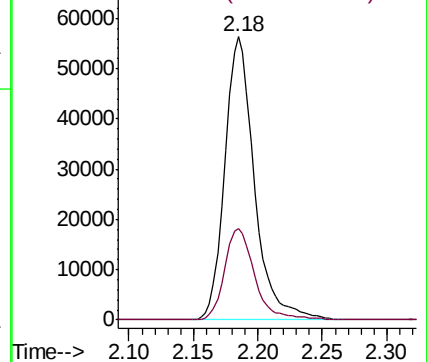
Ion Ratio Lower Upper

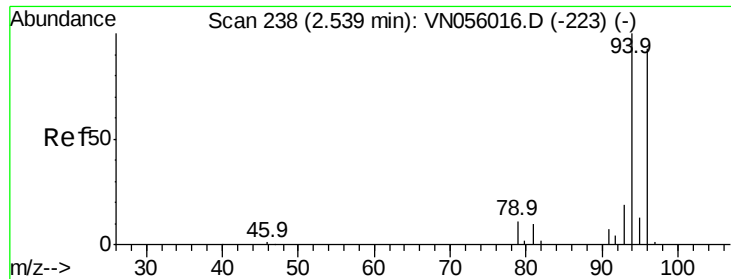
62 100

64 32.3 25.8 38.8



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





#5

Bromomethane

Concen: 19.141 ug/l m

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

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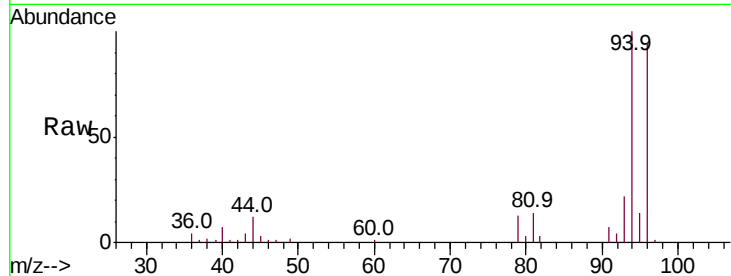
VSTDCCC020

Tot Ion: 94 Resp: 51236

Ion Ratio Lower Upper

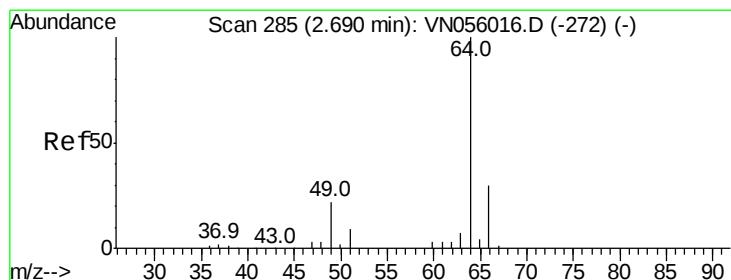
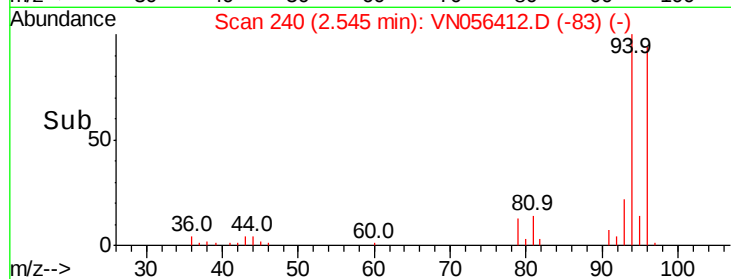
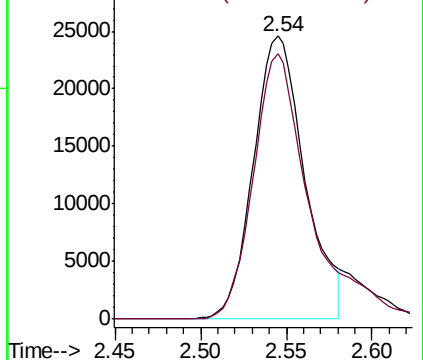
94 100

96 93.8 74.1 111.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.143 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056412.D

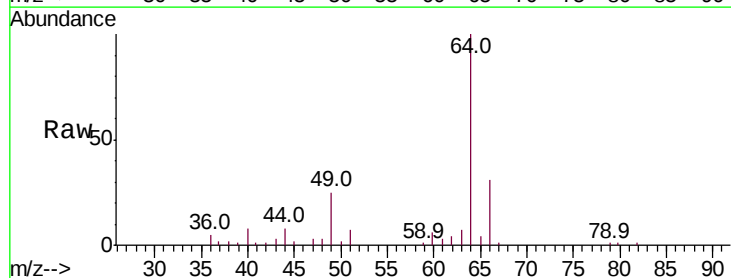
Acq: 21 Jun 2019 9:35

Tgt Ion: 64 Resp: 50936

Ion Ratio Lower Upper

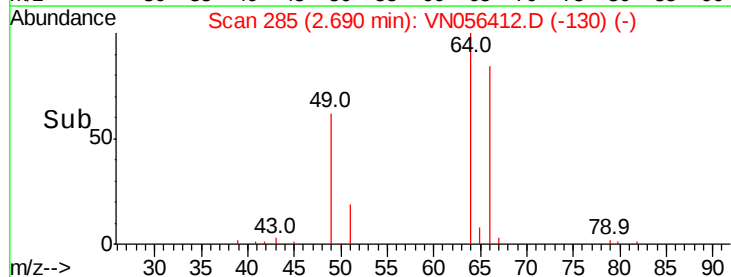
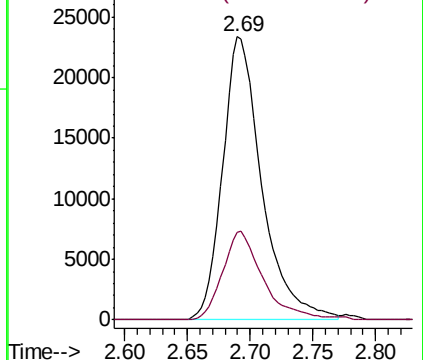
64 100

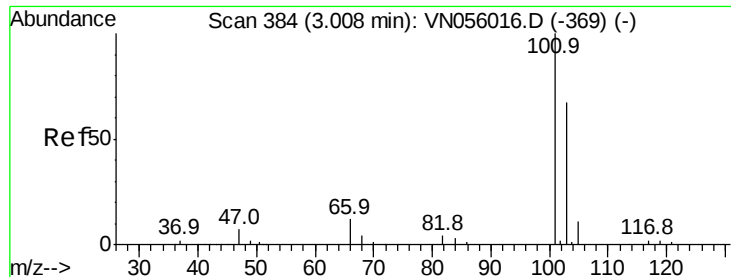
66 31.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



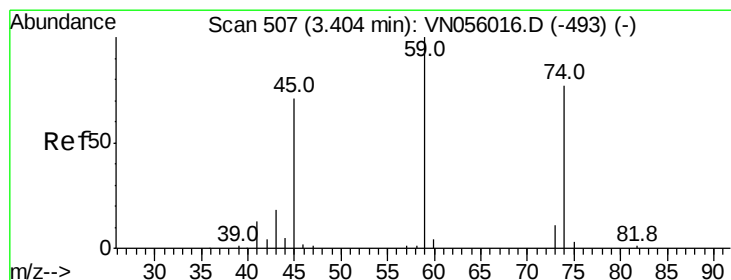
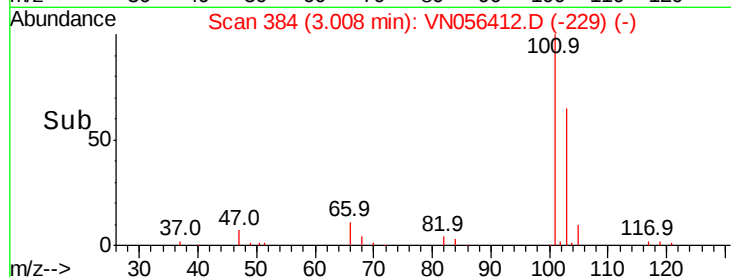
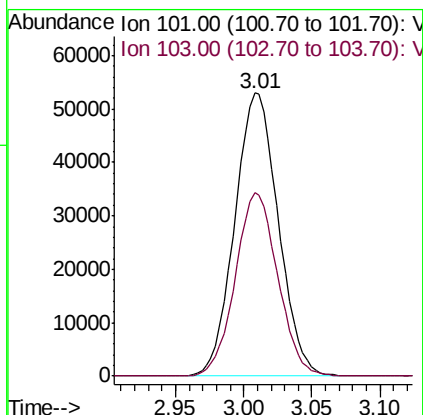
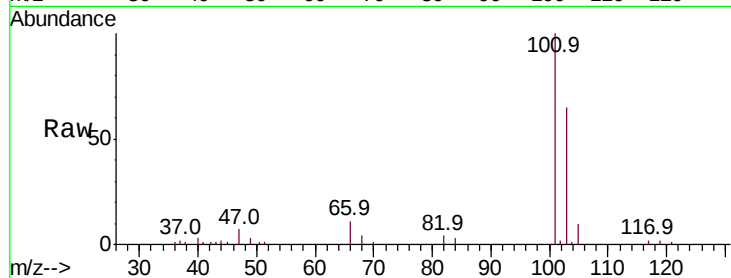


#7

Trichlorofluoromethane
 Concen: 22.269 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Instrument :
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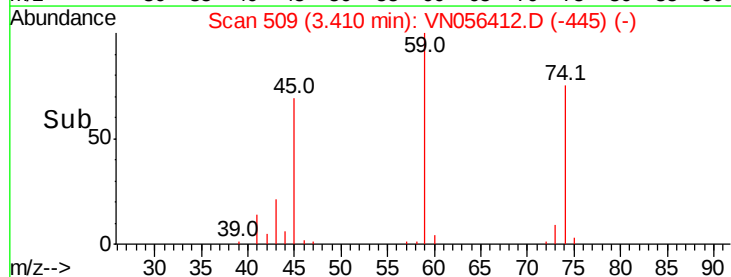
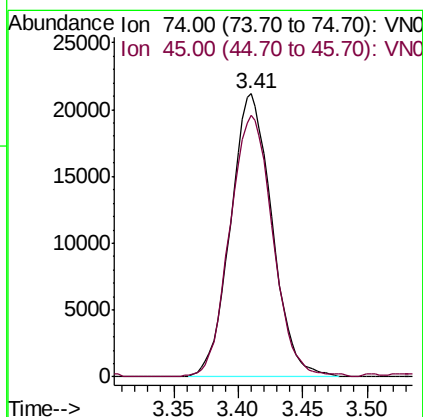
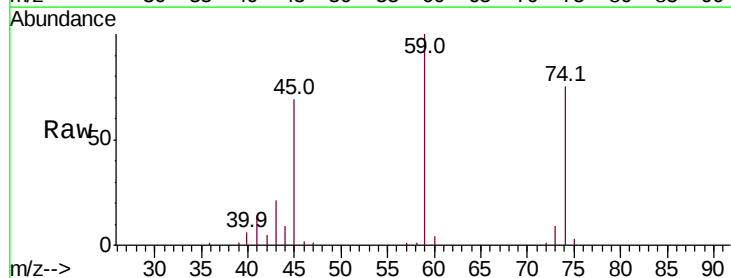
Tot Ion:101 Resp: 117352
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.4 80.0

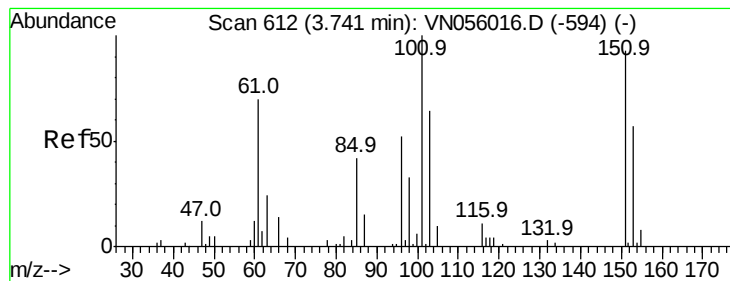


#8

Diethyl Ether
 Concen: 21.206 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion: 74 Resp: 47396
 Ion Ratio Lower Upper
 74 100
 45 95.9 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.587 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.02 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

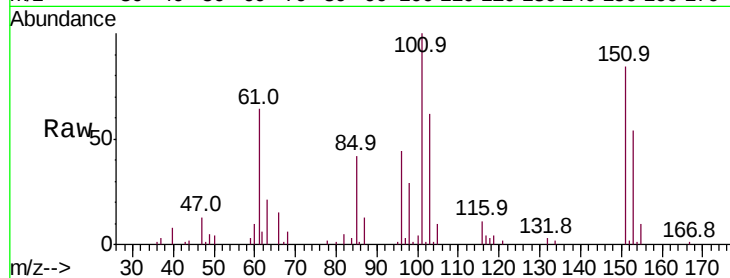
Tot Ion:101 Resp: 73474

Ion Ratio Lower Upper

101 100

85 41.6 0.0 82.0

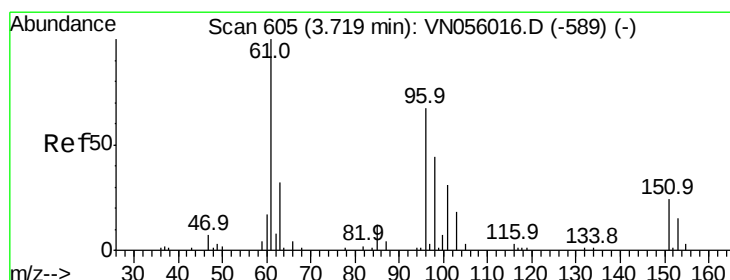
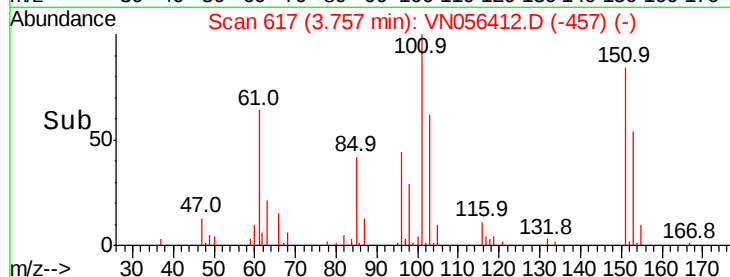
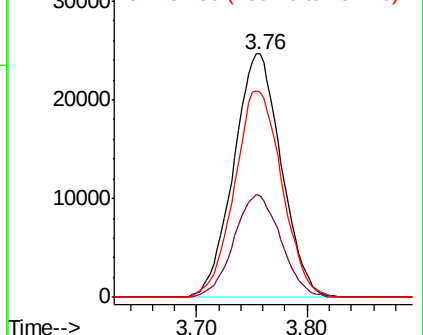
151 84.9 0.0 177.0



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: 21.166 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.02 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

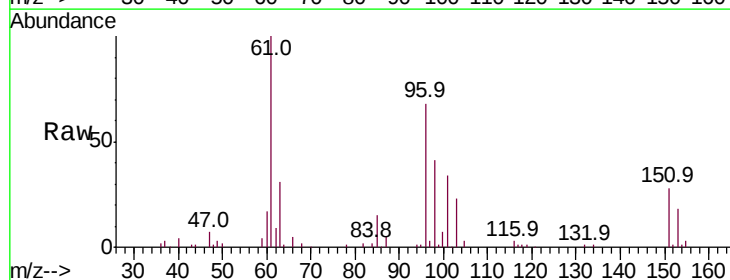
Tgt Ion: 96 Resp: 70237

Ion Ratio Lower Upper

96 100

61 147.2 119.7 179.5

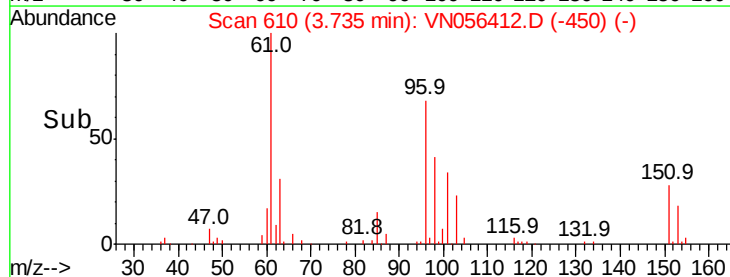
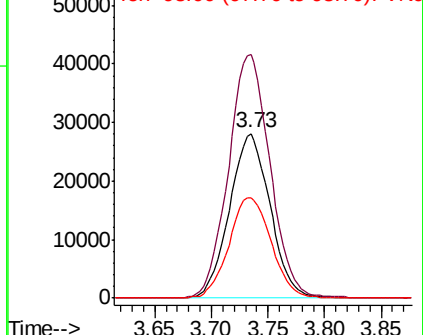
98 60.7 52.3 78.5

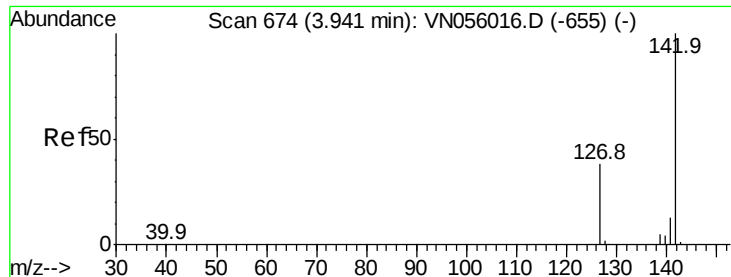


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

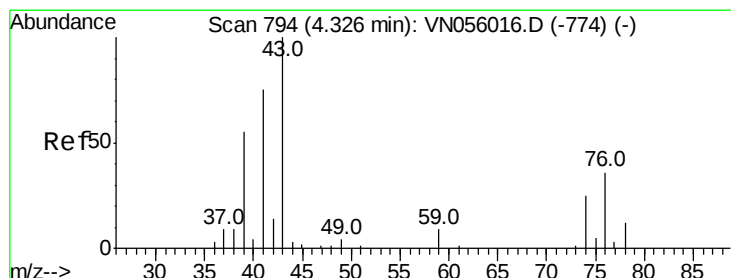
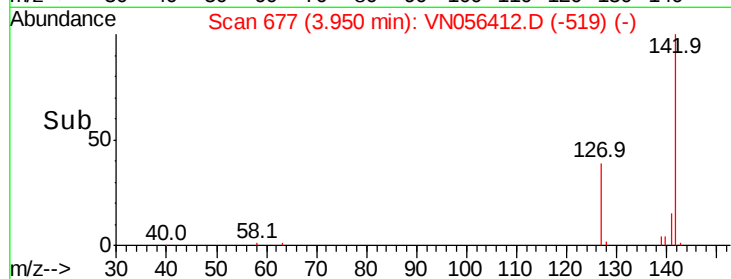
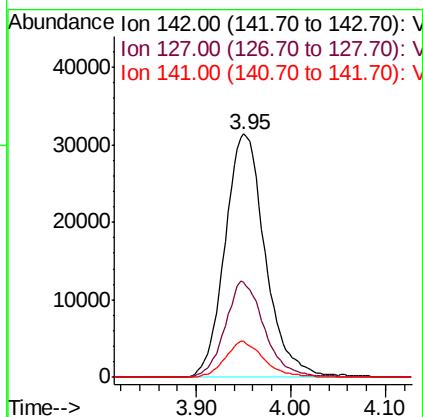
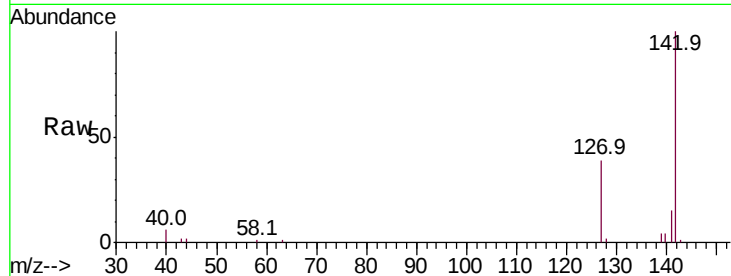




#11
Methvl Iodide
Concen: 17.716 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

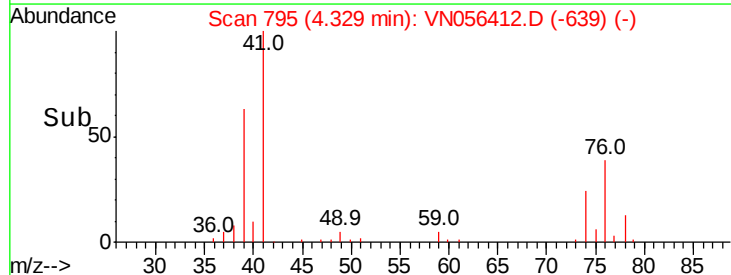
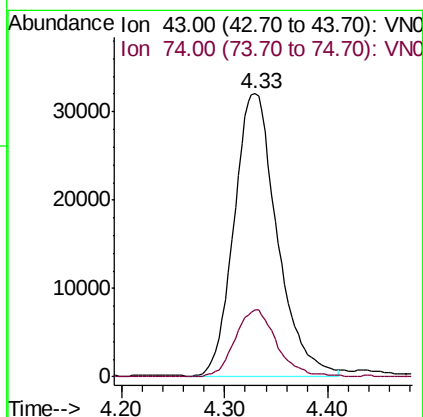
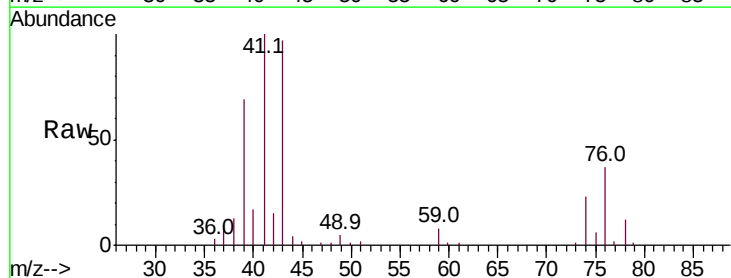
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

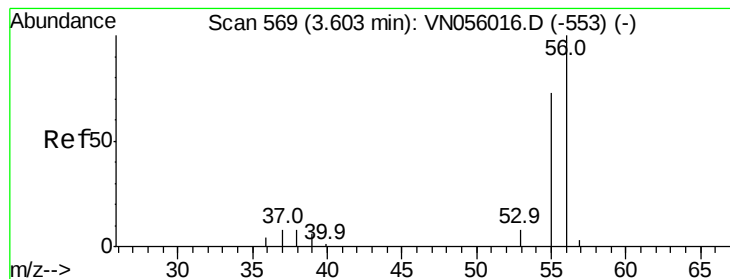
Tot Ion:142 Resp: 92750
Ion Ratio Lower Upper
142 100
127 39.5 19.0 57.0
141 14.8 6.7 20.0



#12
Methyl Acetate
Concen: 23.452 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 43 Resp: 93517
Ion Ratio Lower Upper
43 100
74 23.6 19.9 29.9





#13

Acrolein

Concen: 101.591 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

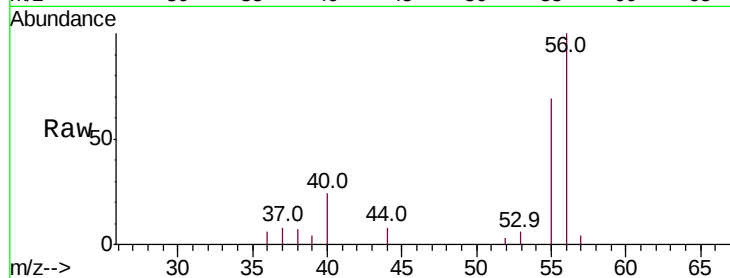
VSTDCCC020

Tot Ion: 56 Resp: 19745

Ion Ratio Lower Upper

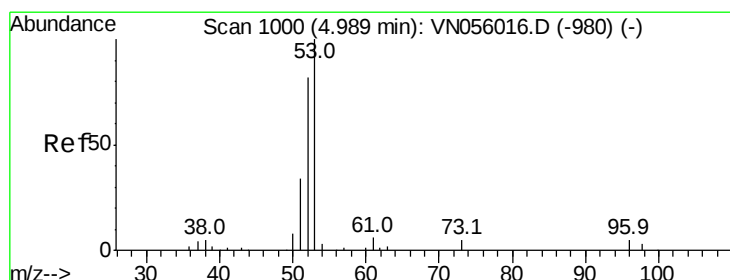
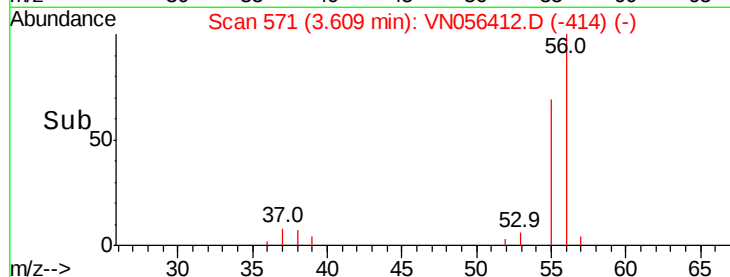
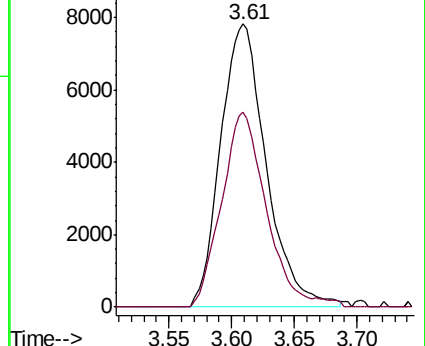
56 100

55 66.5 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 110.270 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

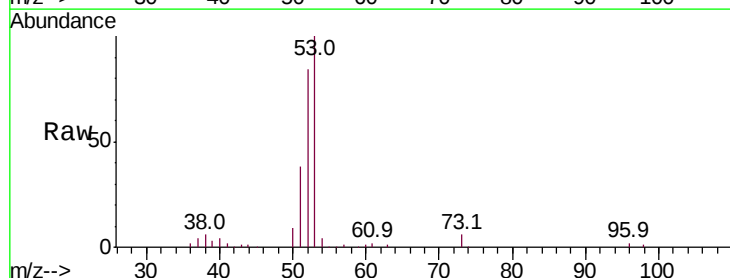
Tgt Ion: 53 Resp: 196089

Ion Ratio Lower Upper

53 100

52 83.1 40.8 122.2

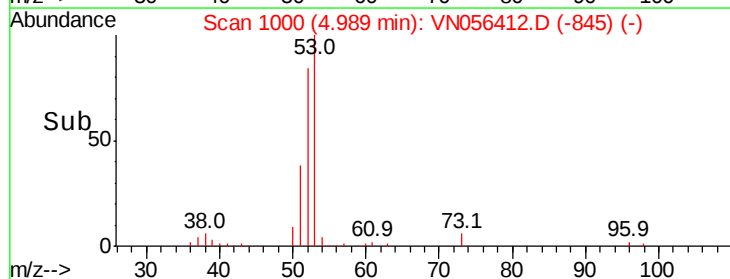
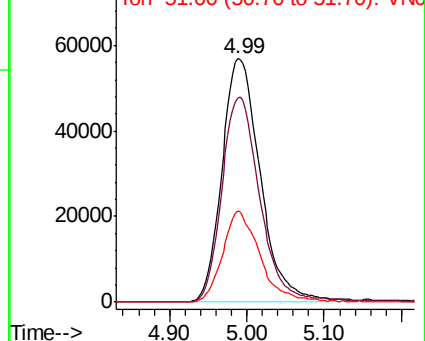
51 36.2 17.3 52.0

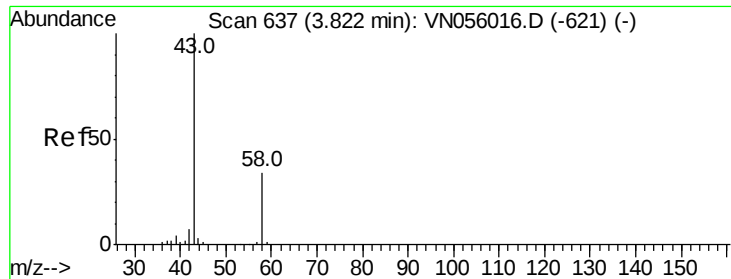


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 118.737 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

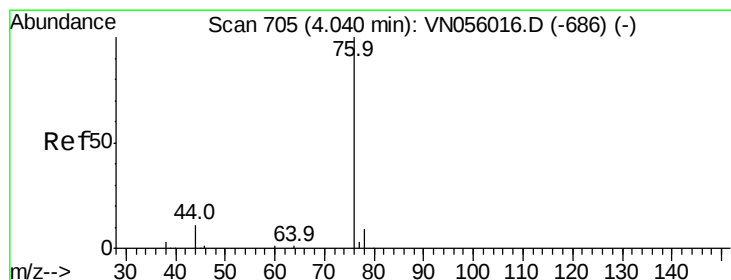
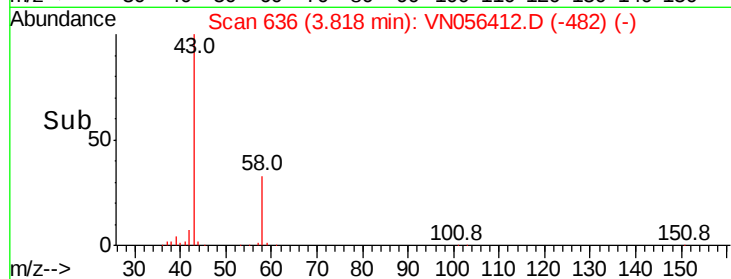
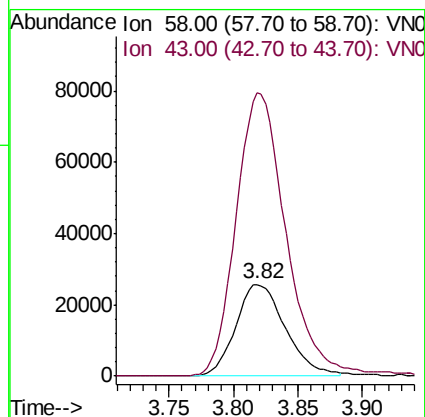
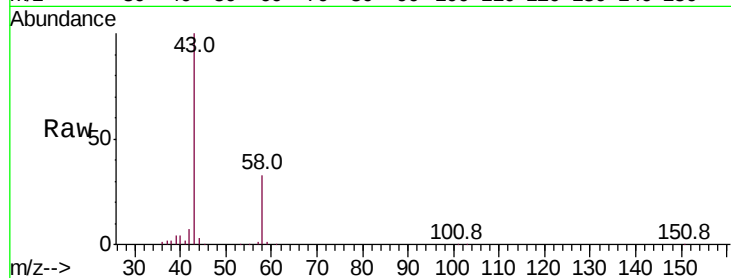
VSTDCCC020

Tot Ion: 58 Resp: 69135

Ion Ratio Lower Upper

58 100

43 306.6 232.5 348.7



#16

Carbon Disulfide

Concen: 19.772 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN056412.D

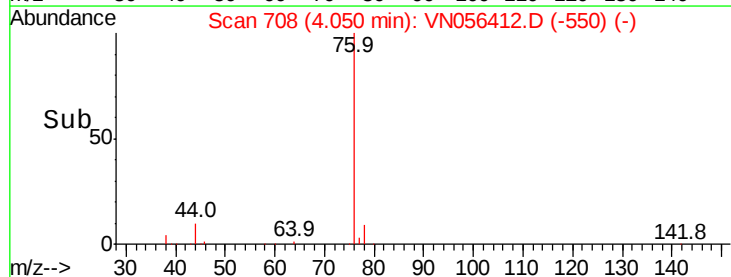
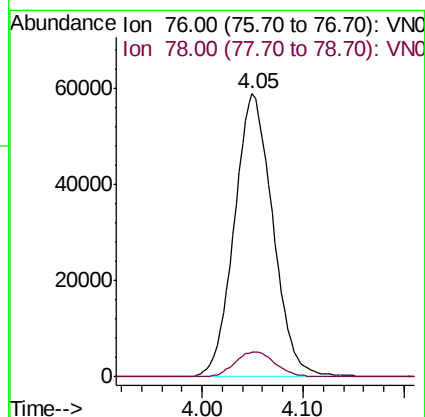
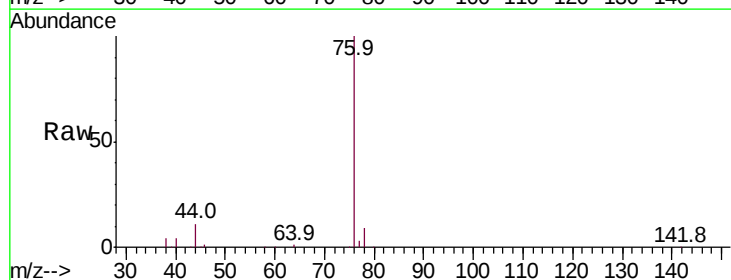
Acq: 21 Jun 2019 9:35

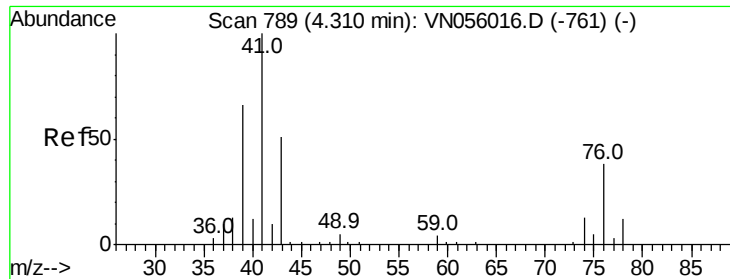
Tgt Ion: 76 Resp: 156113

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

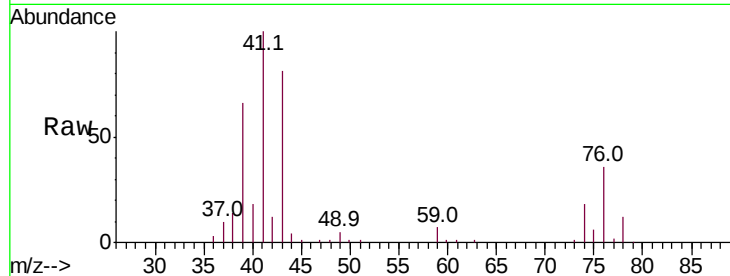




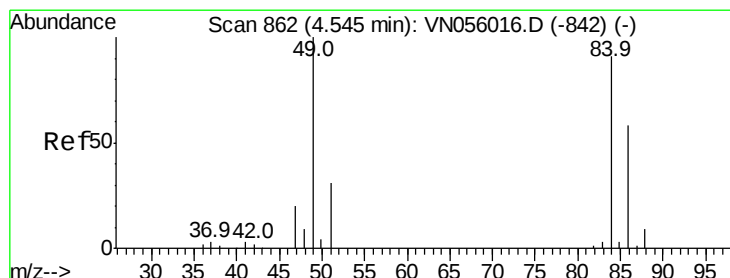
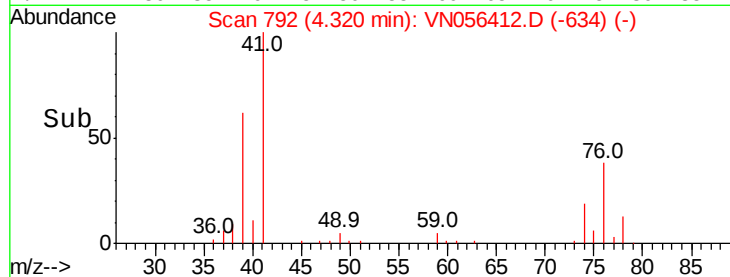
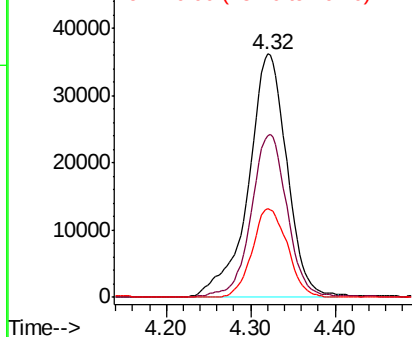
#17
Allvl chloride
Concen: 22.337 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	114846
Ion	Ratio	Lower	Upper
41	100		
39	66.3	33.0	99.0
76	36.4	18.9	56.9



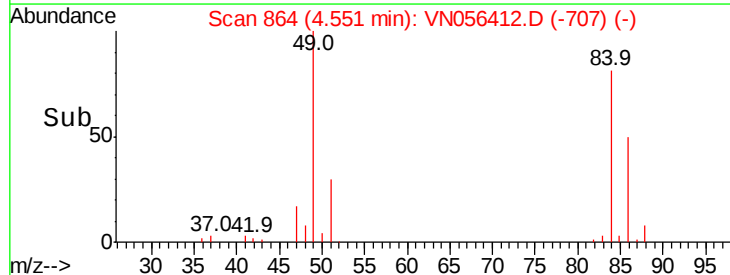
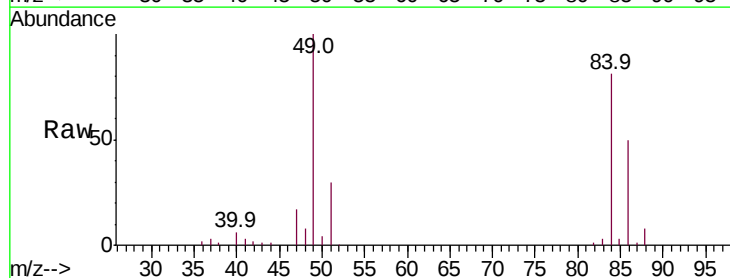
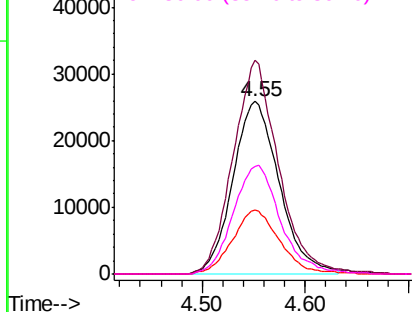
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

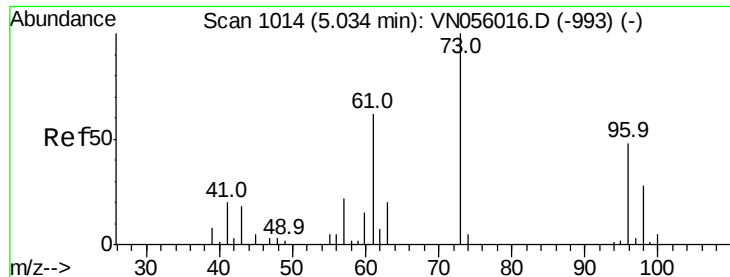


#18
Methylene Chloride
Concen: 21.079 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion:	84	Resp:	80979
Ion	Ratio	Lower	Upper
84	100		
49	123.8	87.6	131.4
51	37.2	27.0	40.4
86	62.5	51.2	76.8

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





#19

trans-1,2-Dichloroethene

Concen: 21.267 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

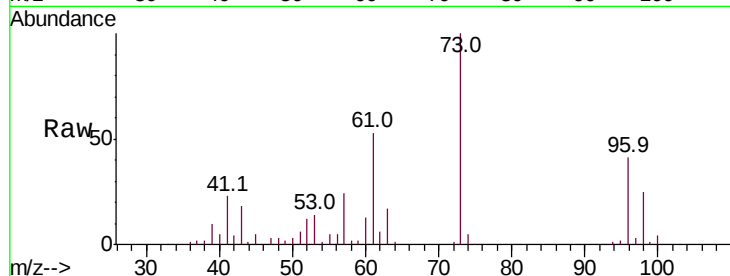
Tot Ion: 96 Resp: 75330

Ion Ratio Lower Upper

96 100

61 130.9 102.5 153.7

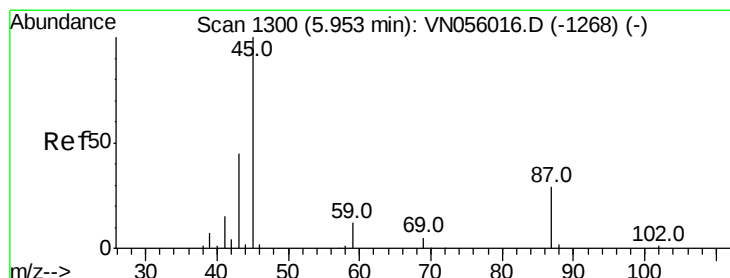
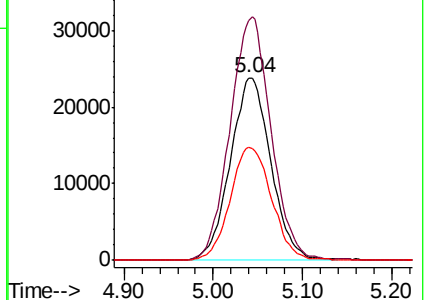
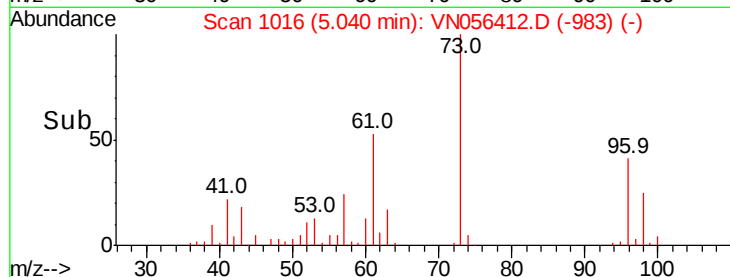
98 61.7 46.9 70.3



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 22.377 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Tgt Ion: 45 Resp: 238370

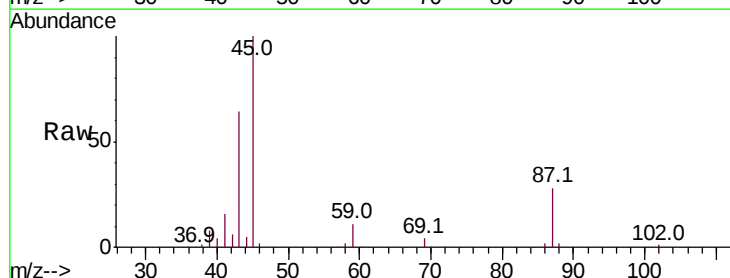
Ion Ratio Lower Upper

45 100

43 61.4 48.0 72.0

87 27.5 23.4 35.2

59 11.2 9.2 13.8

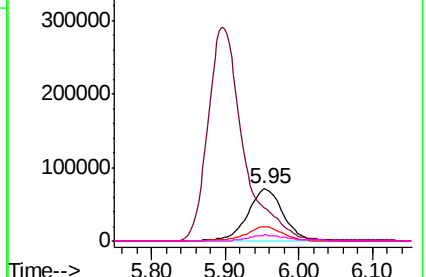
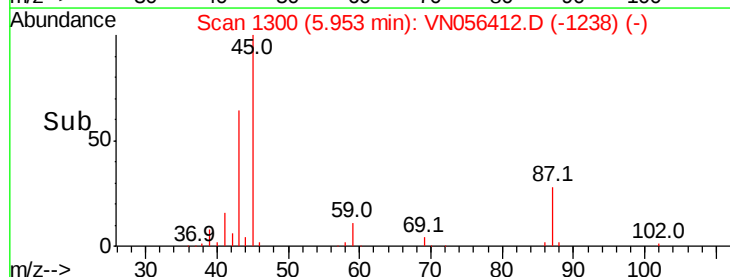


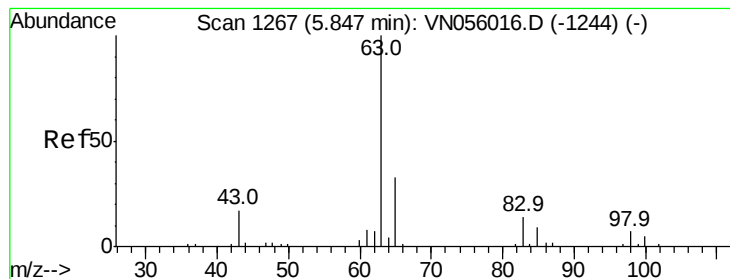
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 22.342 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

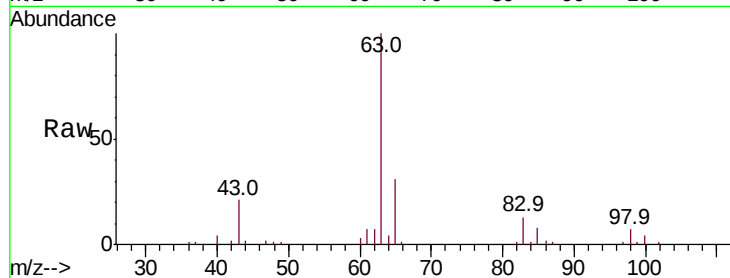
Tot Ion: 63 Resp: 138312

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 3.9 2.3 6.9

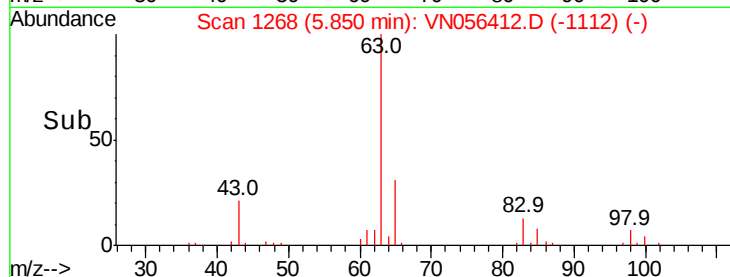


Abundance Ion 63.00 (62.70 to 63.70): VN056412.D (-1268) (-)

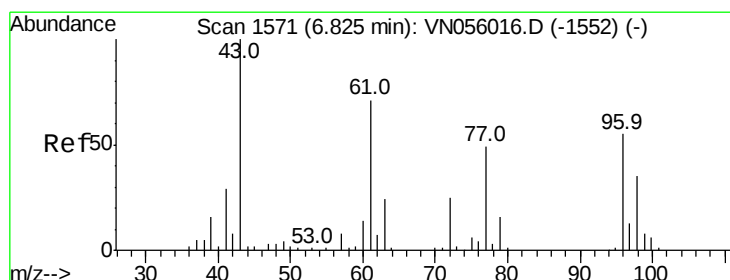
Ion 98.00 (97.70 to 98.70): VN056412.D (-1268) (-)

Ion 100.00 (99.70 to 100.70): VN056412.D (-1268) (-)

5.85



Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

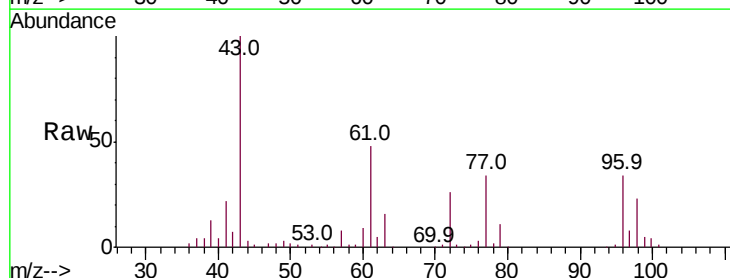
Tgt Ion: 96 Resp: 86812

Ion Ratio Lower Upper

96 100

61 140.6 105.7 158.5

98 64.5 52.0 78.0

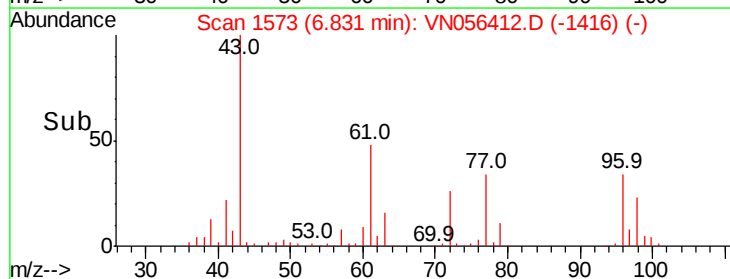


Abundance Ion 96.00 (95.70 to 96.70): VN056412.D (-1573) (-)

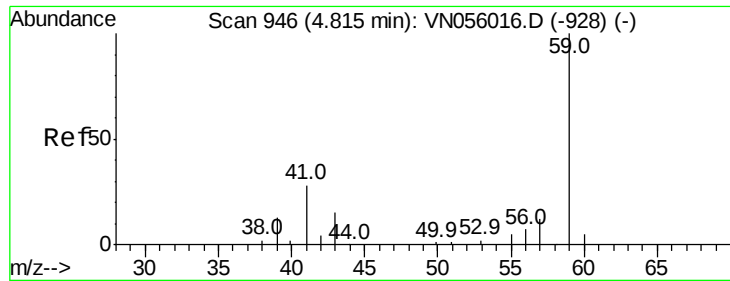
Ion 61.00 (60.70 to 61.70): VN056412.D (-1573) (-)

Ion 98.00 (97.70 to 98.70): VN056412.D (-1573) (-)

6.83



Time-->



#23

tert-Butyl Alcohol

Concen: 97.358 ug/l

RT: 4.80 min Scan# 941

Delta R.T. -0.02 min

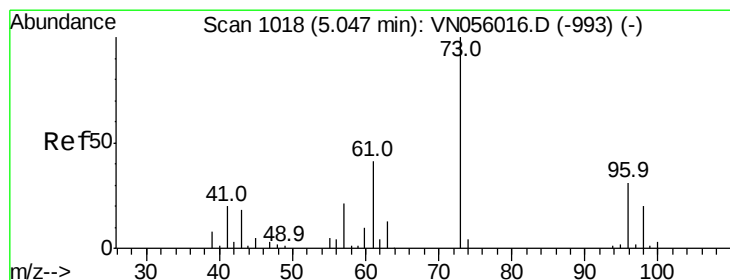
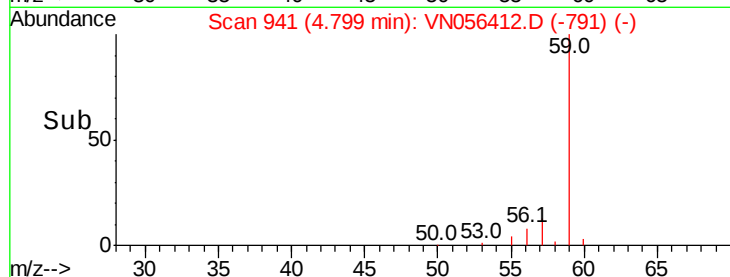
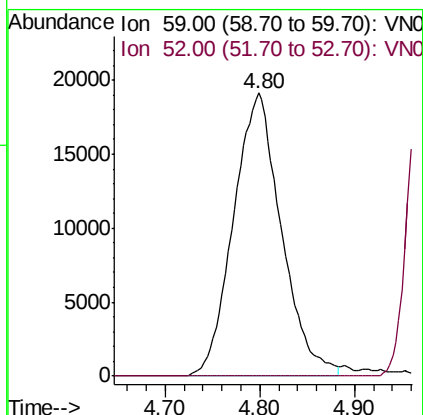
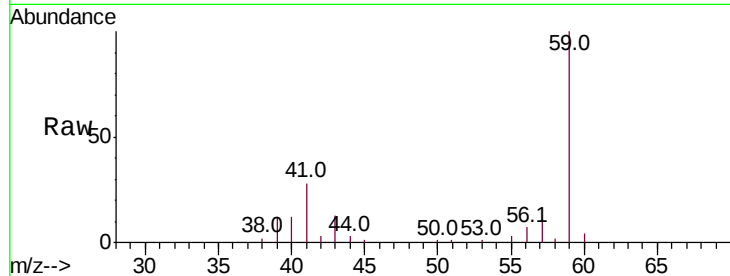
Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 67388

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



#24

Methyl tert-Butyl Ether

Concen: 21.269 ug/l

RT: 5.05 min Scan# 1018

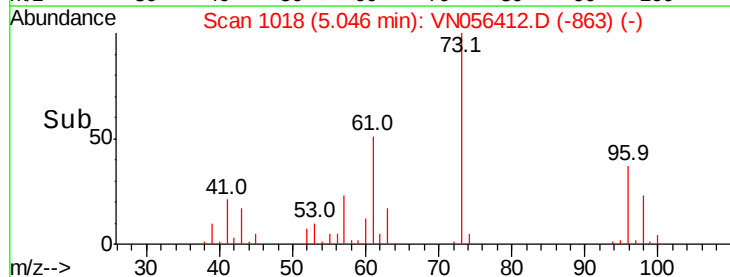
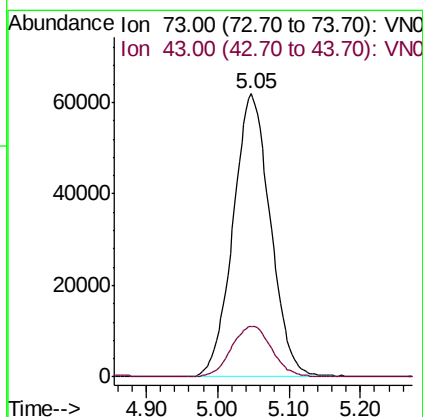
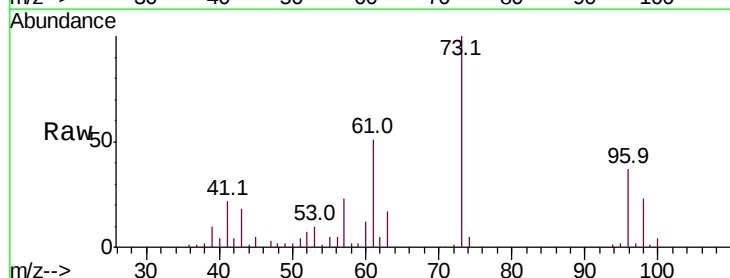
Delta R.T. -0.00 min

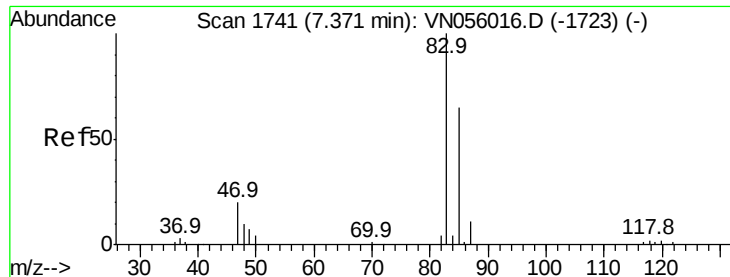
Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Tgt Ion: 73 Resp: 224925

Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.4	23.0





#25

Chloroform

Concen: 21.914 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

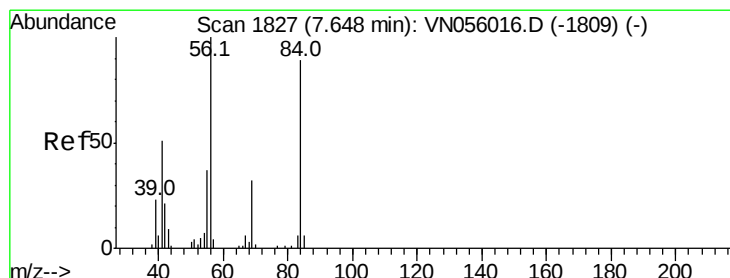
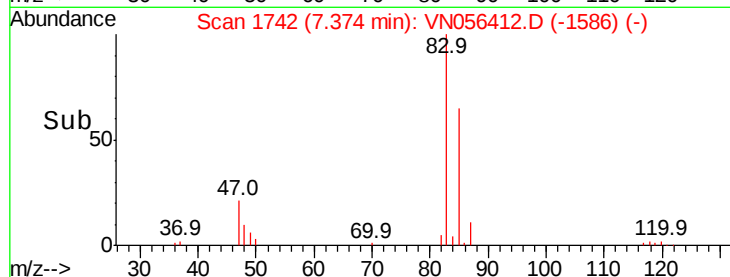
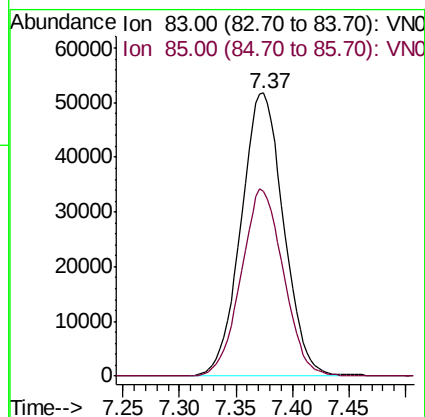
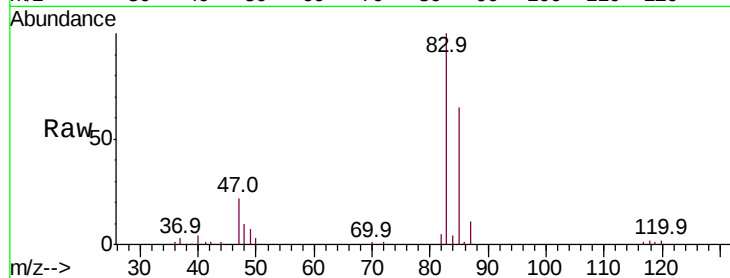
VSTDCCC020

Tot Ion: 83 Resp: 135462

Ion Ratio Lower Upper

83 100

85 65.3 52.0 78.0



#26

Cyclohexane

Concen: 22.161 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

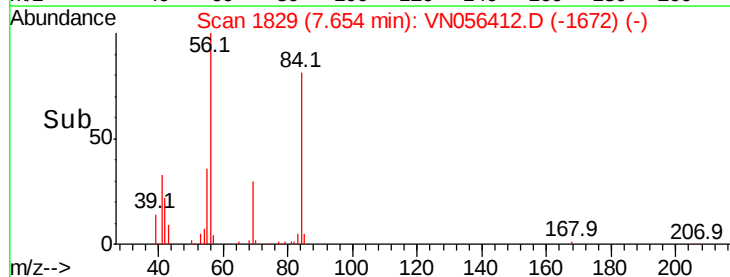
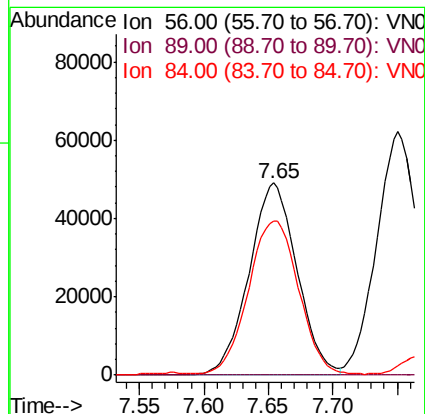
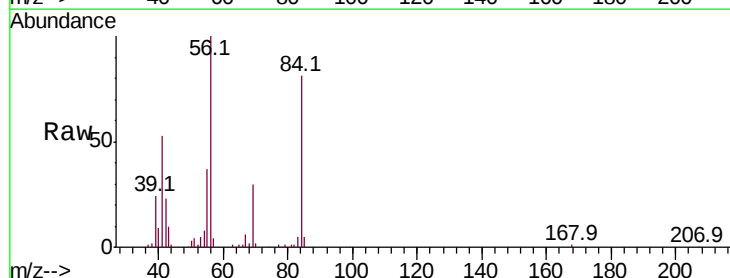
Tgt Ion: 56 Resp: 127277

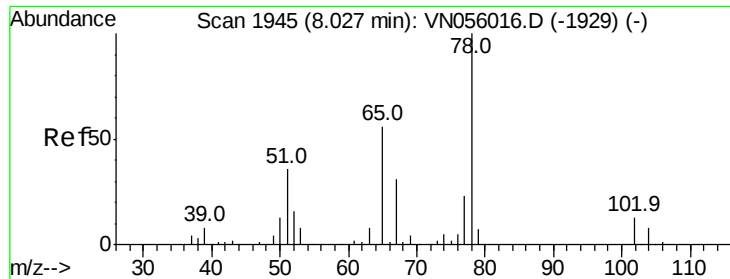
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.6 70.1 105.1

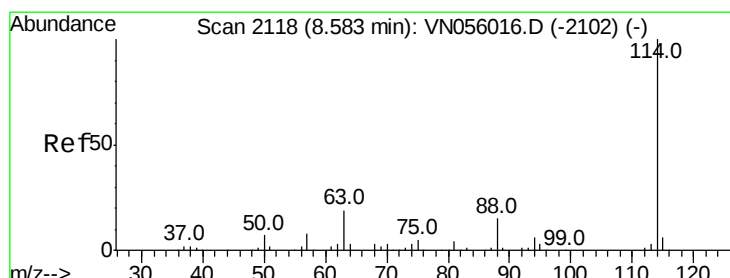
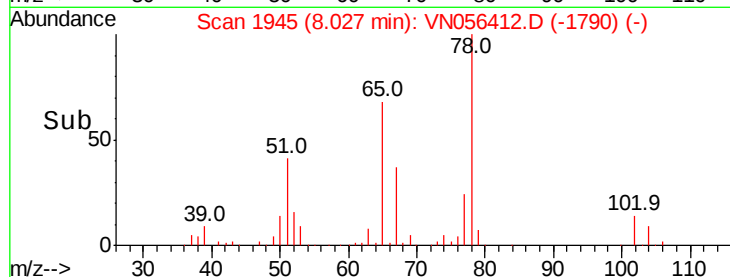
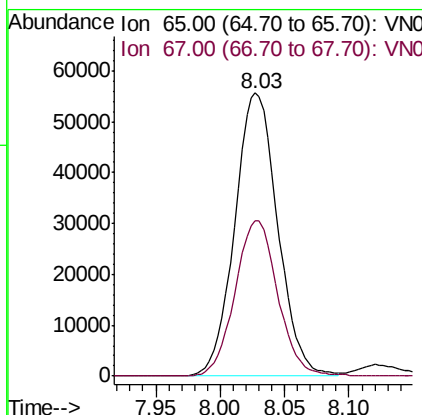
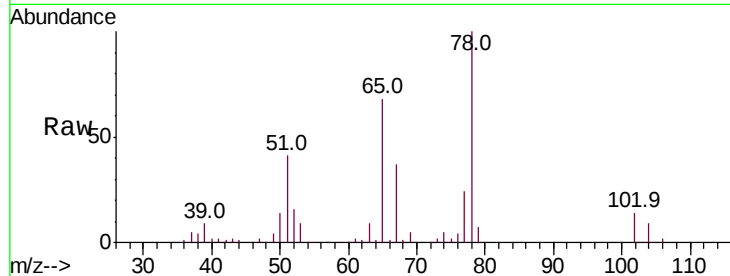




#27
 1,2-Dichloroethane-d4
 Concen: 32.684 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

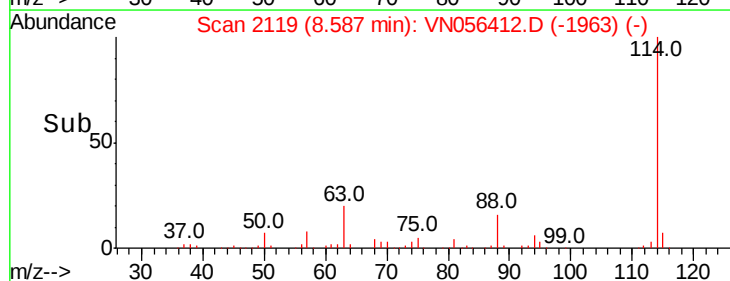
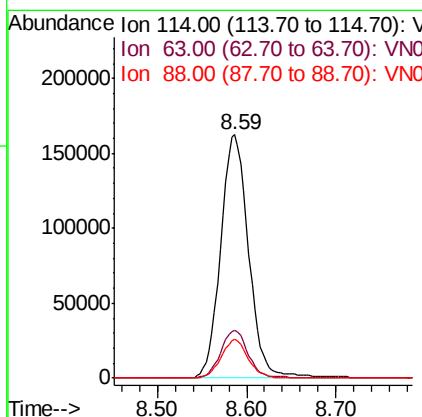
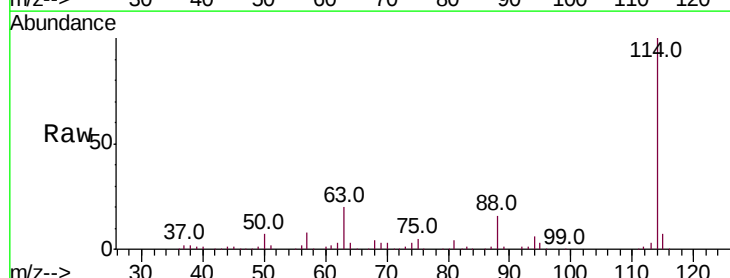
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

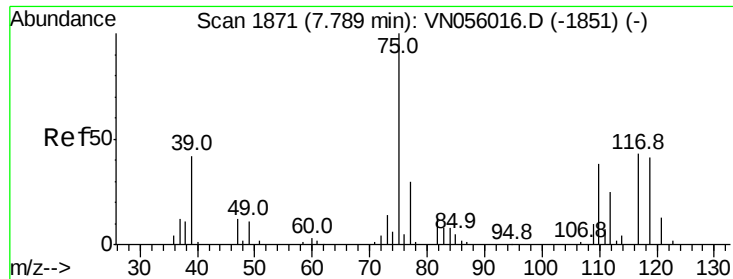
Tot Ion: 65 Resp: 129027
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion: 114 Resp: 353228
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 15.2 11.9 17.9

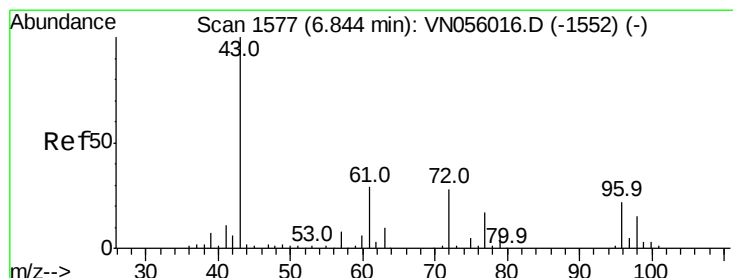
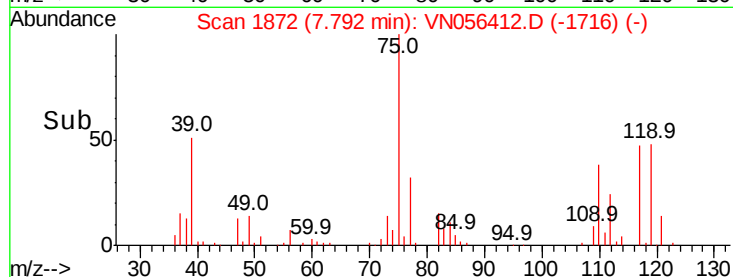
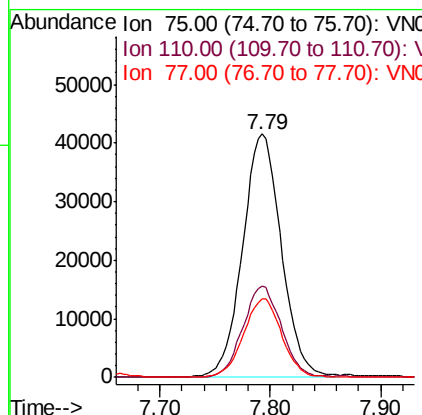
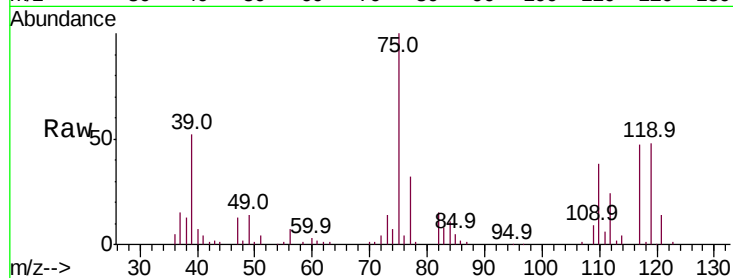




#29
 1,1-Dichloropropene
 Concen: 21.195 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

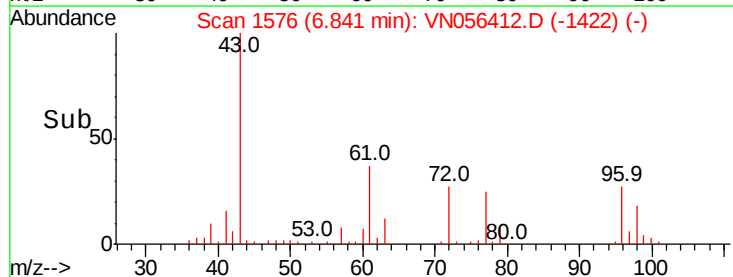
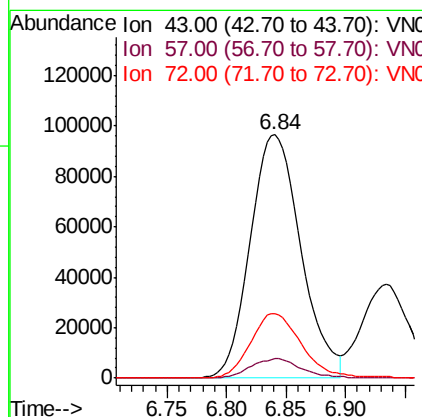
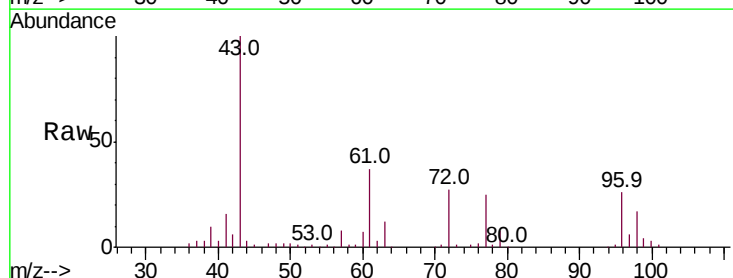
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

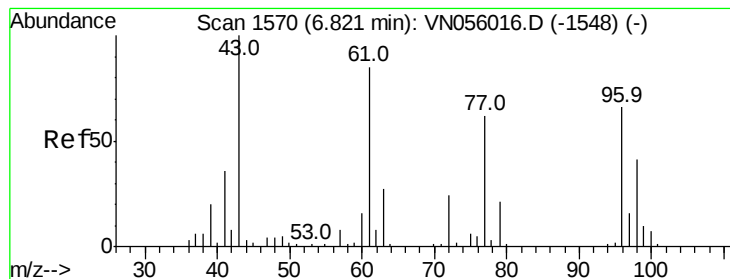
Tot Ion: 75 Resp: 101268
 Ion Ratio Lower Upper
 75 100
 110 37.1 0.0 77.0
 77 31.7 0.0 62.4



#30
 2-Butanone
 Concen: 112.559 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion: 43 Resp: 283129
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.7 10.1
 72 26.8 22.4 33.6





#31

2,2-Dichloropropane

Concen: 21.927 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

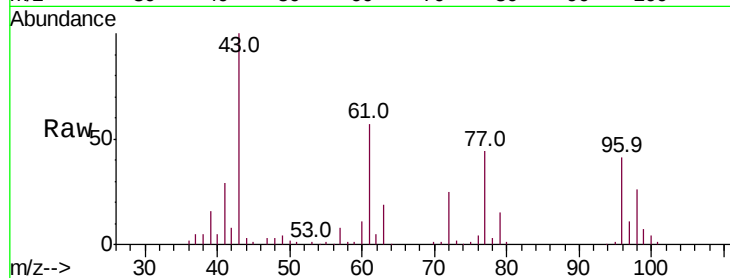
VSTDCCC020

Tot Ion: 77 Resp: 97464

Ion Ratio Lower Upper

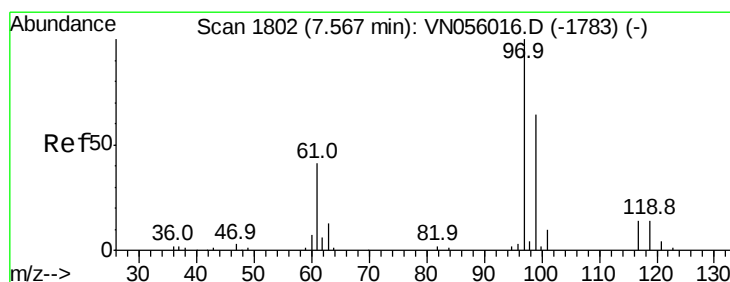
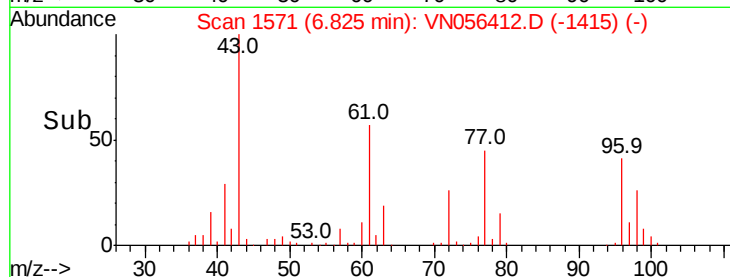
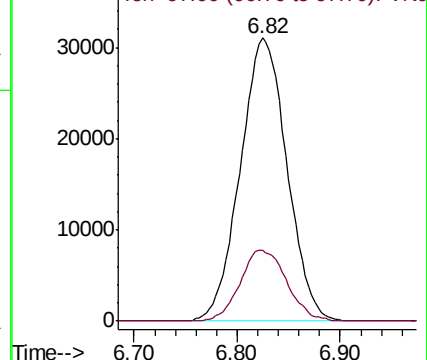
77 100

97 25.1 20.8 31.2



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.724 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

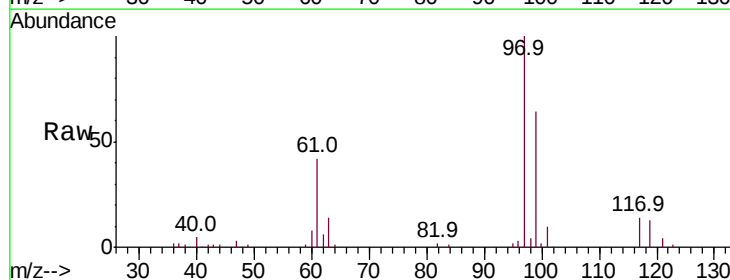
Tgt Ion: 97 Resp: 109401

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

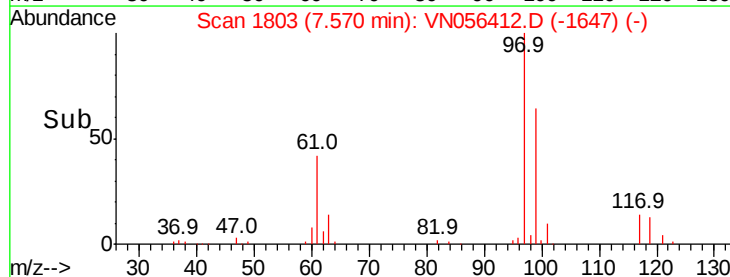
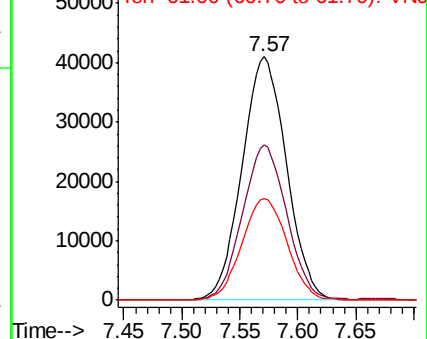
61 42.5 32.9 49.3

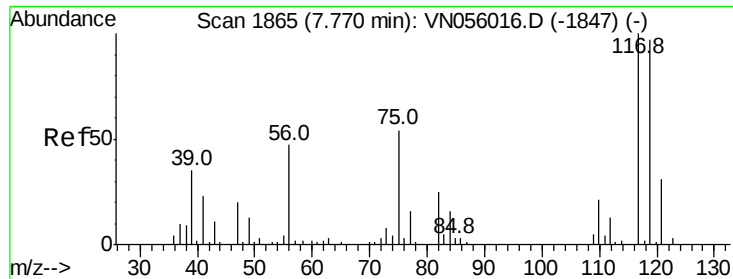


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

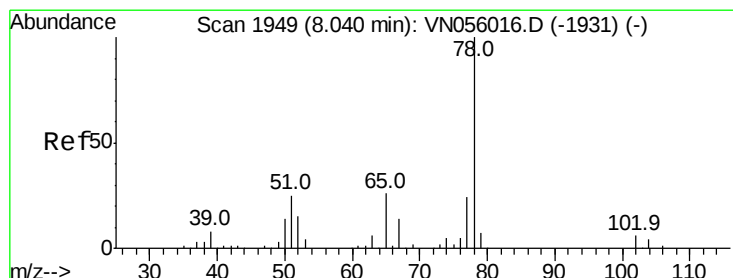
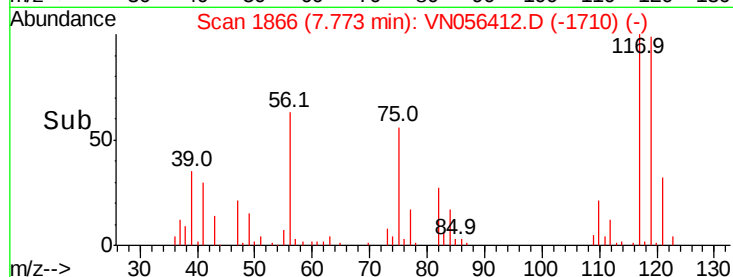
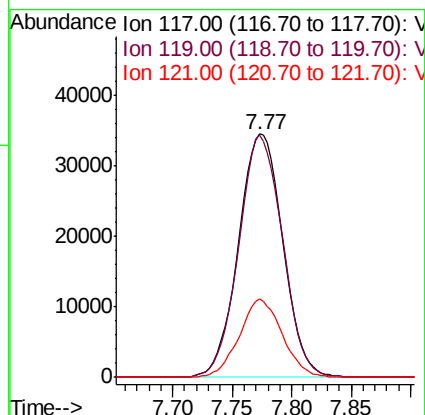
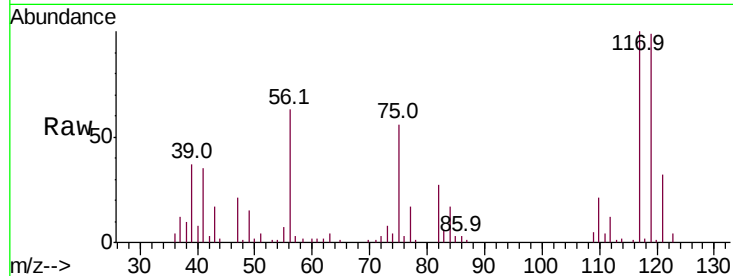




#33
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

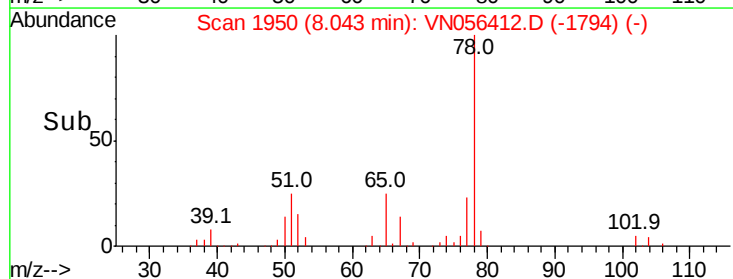
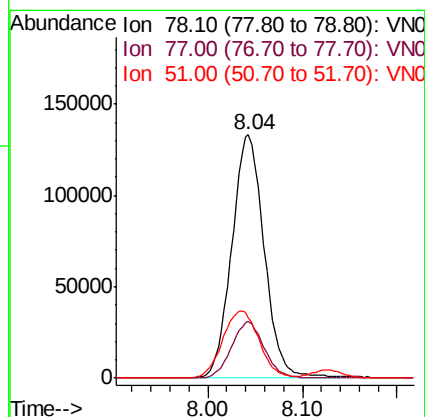
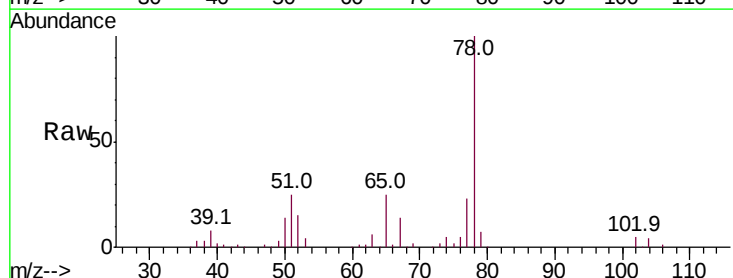
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

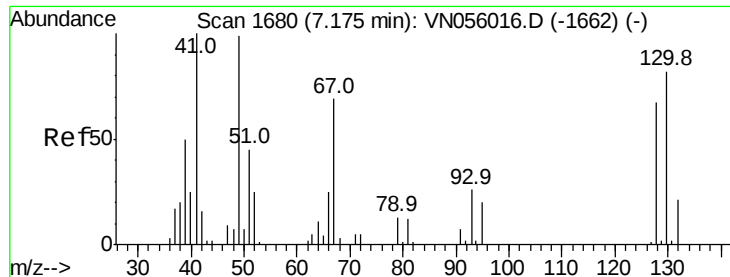
Tot Ion:117 Resp: 89093
Ion Ratio Lower Upper
117 100
119 99.5 77.3 115.9
121 32.1 25.0 37.4



#34
Benzene
Concen: 20.884 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 78 Resp: 317934
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
51 24.9 19.8 29.8

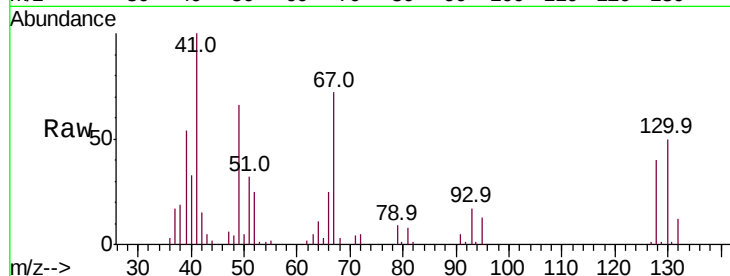




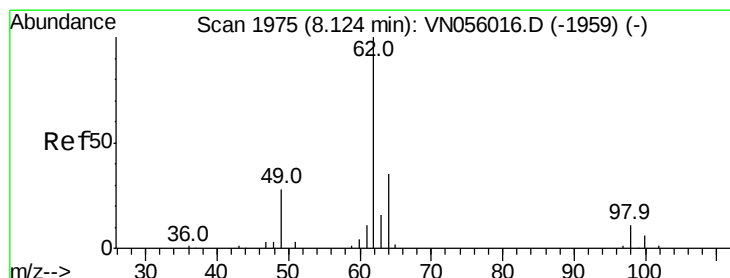
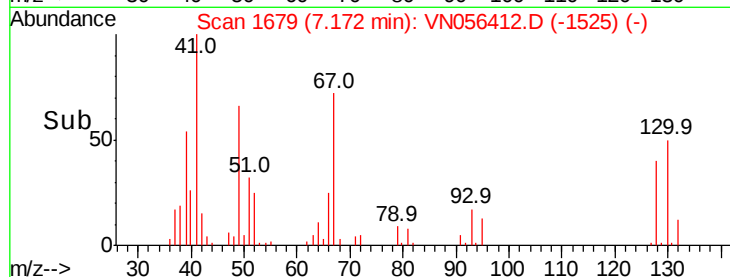
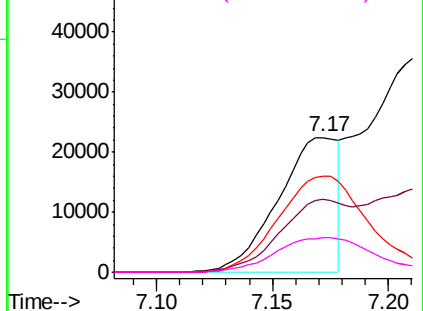
#35
Methacrylonitrile
Concen: 19.045 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:	41	Resp:	40454
Ion	Ratio	Lower	Upper
41	100		
39	54.1	24.8	74.3
67	71.7	34.3	102.9
52	25.5	12.6	37.8

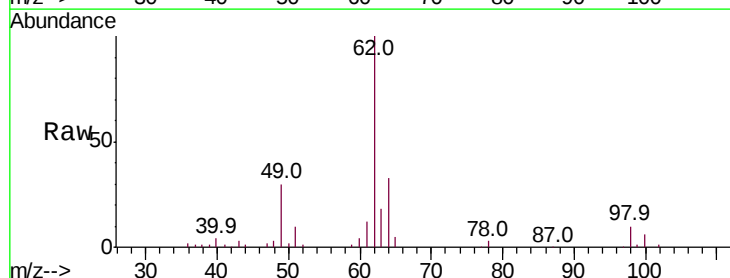


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

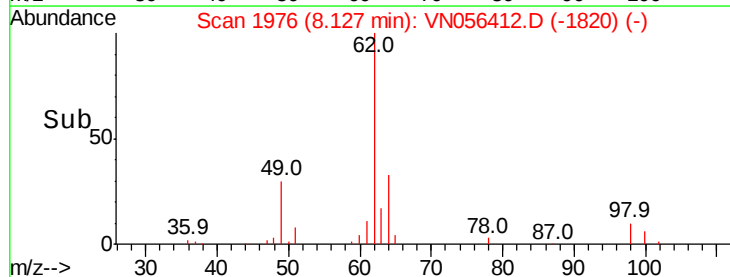
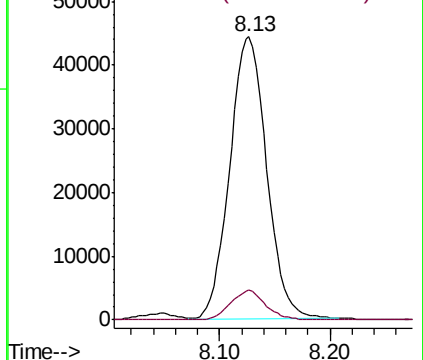


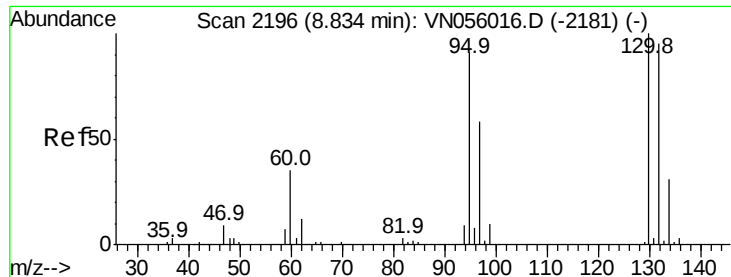
#36
1,2-Dichloroethane
Concen: 21.551 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion:	62	Resp:	102765
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.6	13.0



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

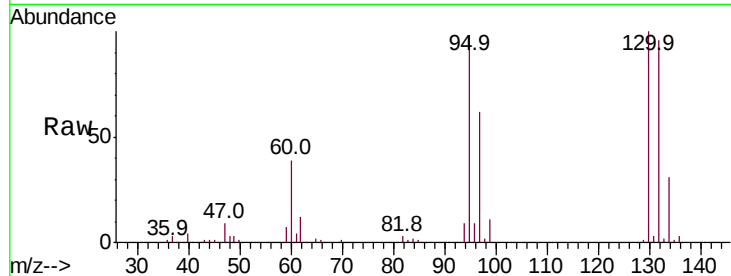




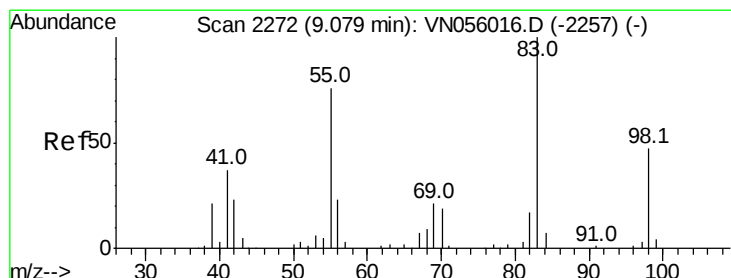
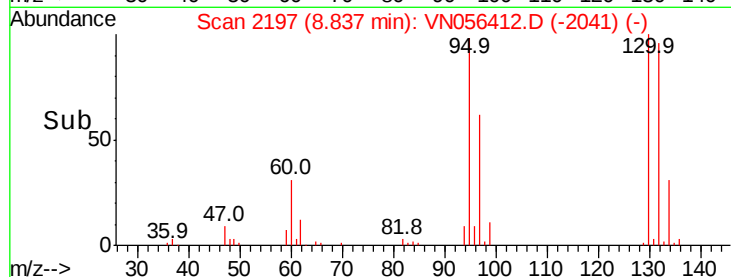
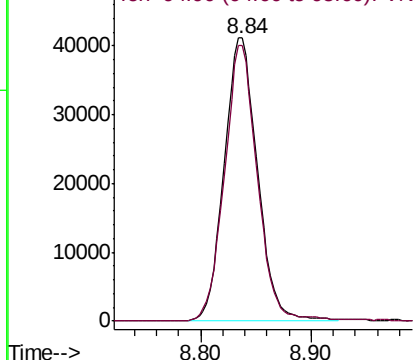
#37
 Trichloroethene
 Concen: 20.280 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 86395
 Ion Ratio Lower Upper
 130 100
 95 97.5 73.0 109.6

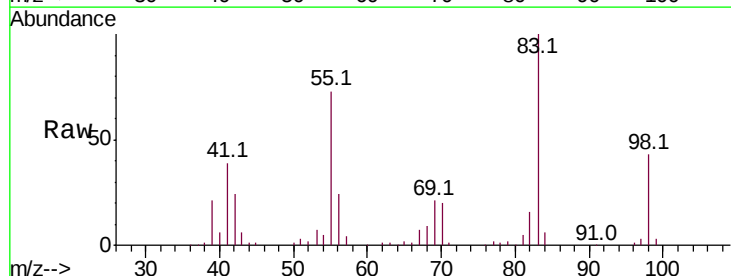


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

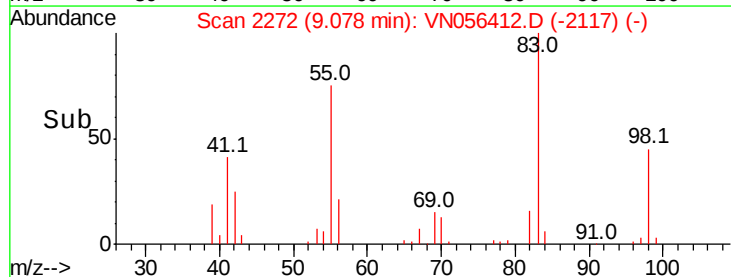
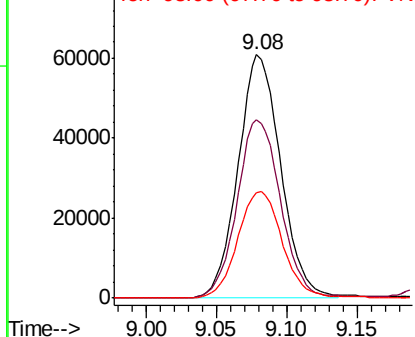


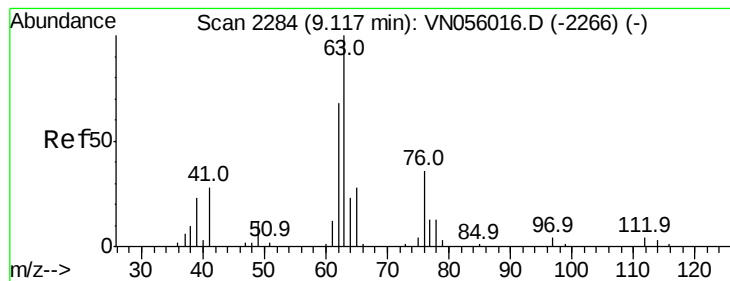
#38
 Methylcyclohexane
 Concen: 21.268 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion: 83 Resp: 128829
 Ion Ratio Lower Upper
 83 100
 55 75.2 37.5 112.7
 98 45.5 23.1 69.3



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





#39

1,2-Dichloropropane

Concen: 21.849 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

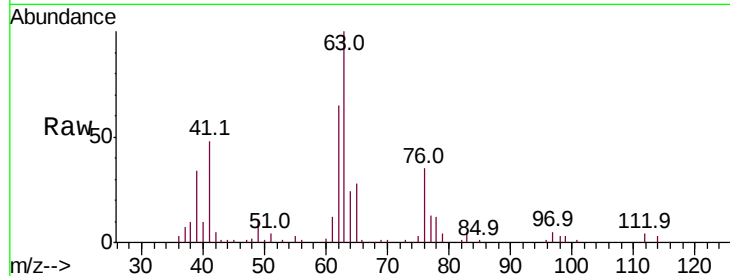
VSTDCCC020

Tot Ion: 63 Resp: 85188

Ion Ratio Lower Upper

63 100

65 28.2 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN056412.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN056412.D (-2129) (-)

9.12

40000

30000

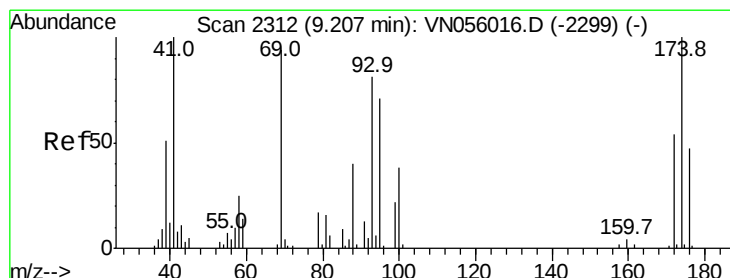
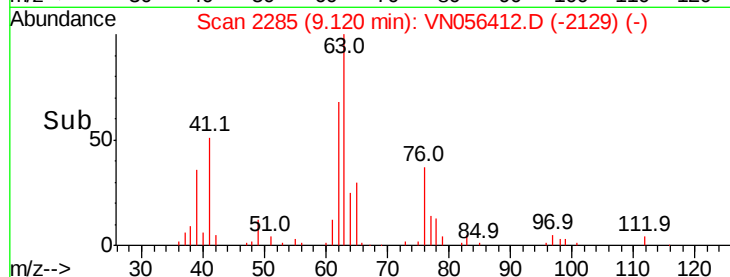
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 20.492 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

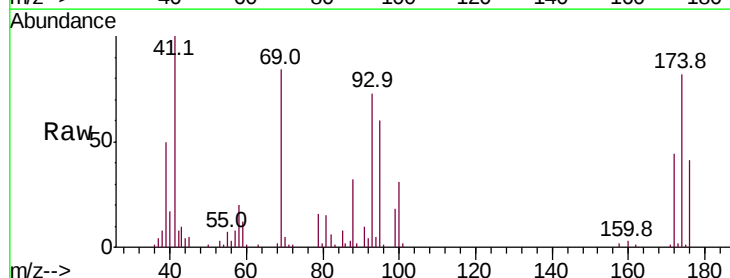
Tgt Ion: 93 Resp: 52975

Ion Ratio Lower Upper

93 100

95 84.4 0.0 169.0

174 116.5 0.0 246.4



Abundance Ion 93.00 (92.70 to 93.70): VN056412.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN056412.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN056412.D (-2157) (-)

9.21

40000

30000

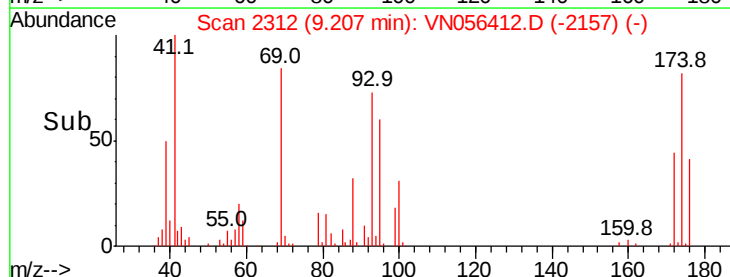
20000

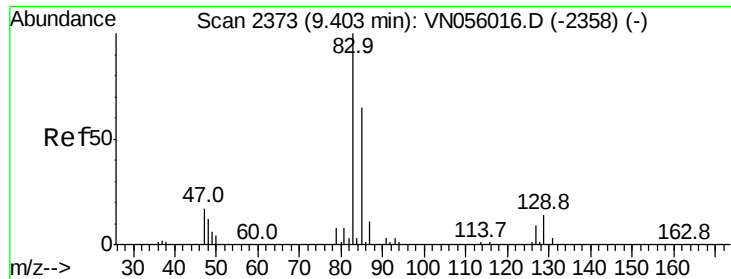
10000

0

Time-->

9.15 9.20 9.25 9.30





#41

Bromodichloromethane

Concen: 20.686 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

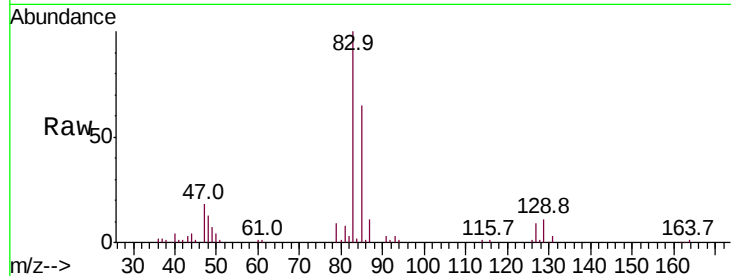
Tot Ion: 83 Resp: 95759

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6

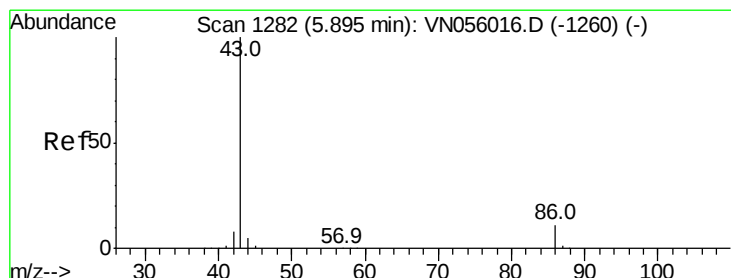
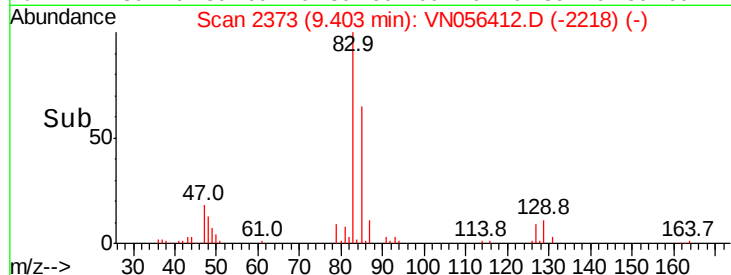
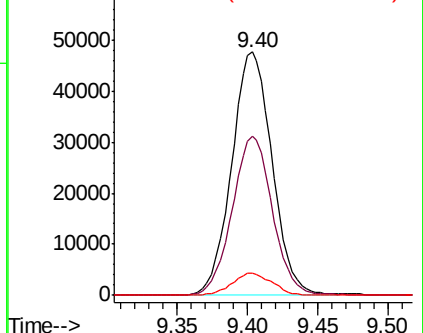
127 9.0 7.3 10.9



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: 108.215 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056412.D

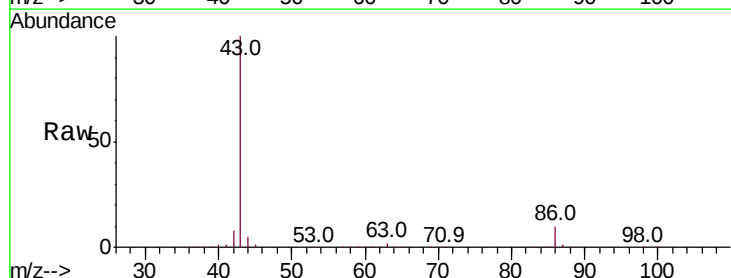
Acq: 21 Jun 2019 9:35

Tgt Ion: 43 Resp: 970440

Ion Ratio Lower Upper

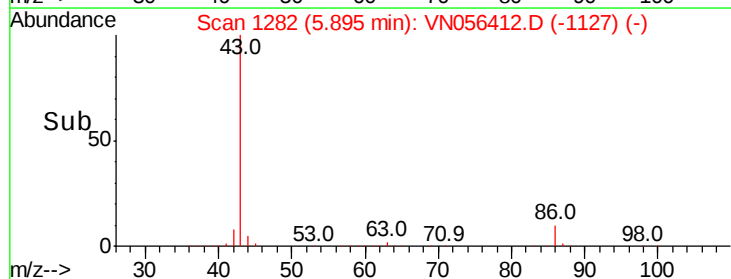
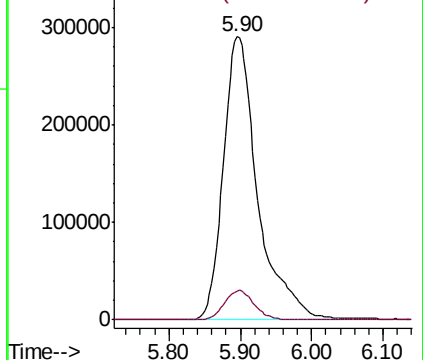
43 100

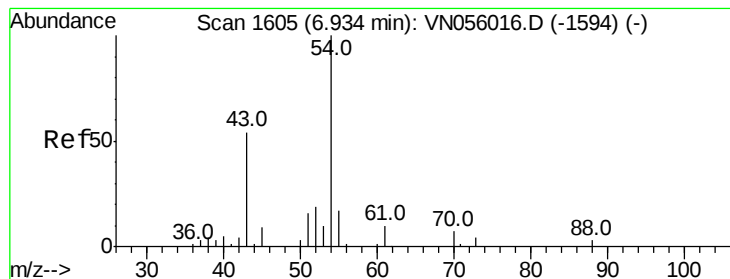
86 9.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.303 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

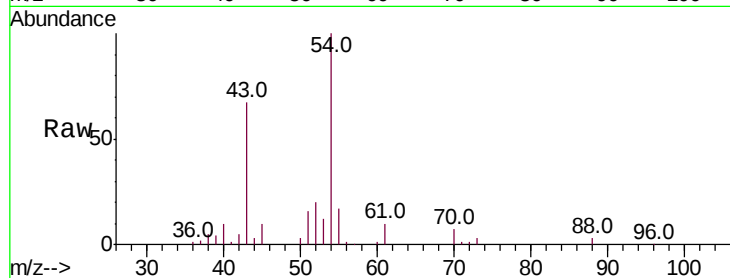
VSTDCCC020

Tot Ion: 43 Resp: 102554

Ion Ratio Lower Upper

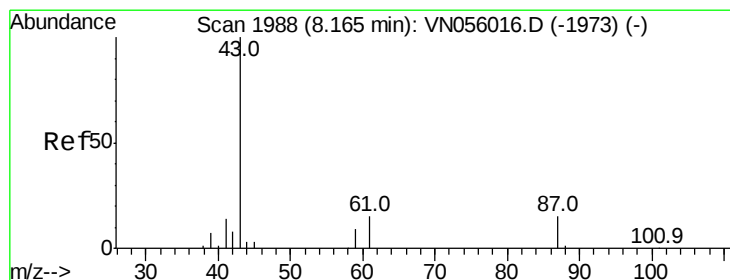
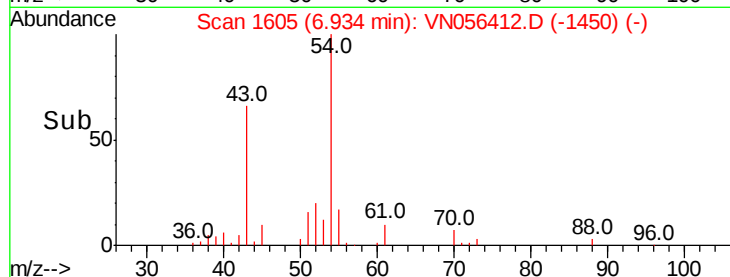
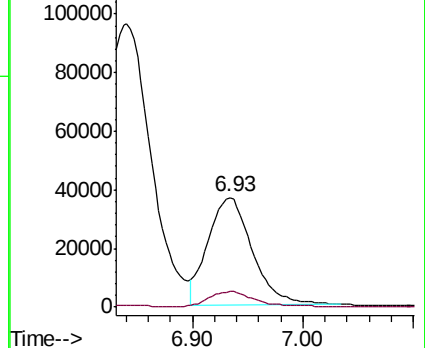
43 100

45 15.8 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.764 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056412.D

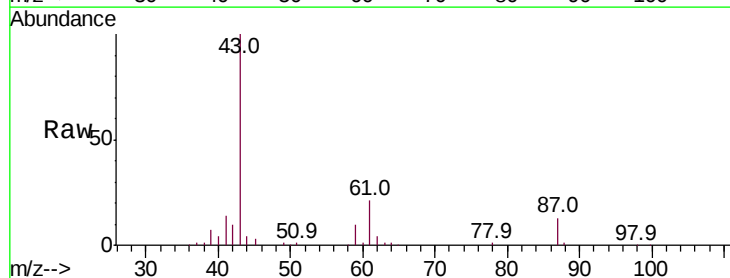
Acq: 21 Jun 2019 9:35

Tgt Ion: 43 Resp: 155202

Ion Ratio Lower Upper

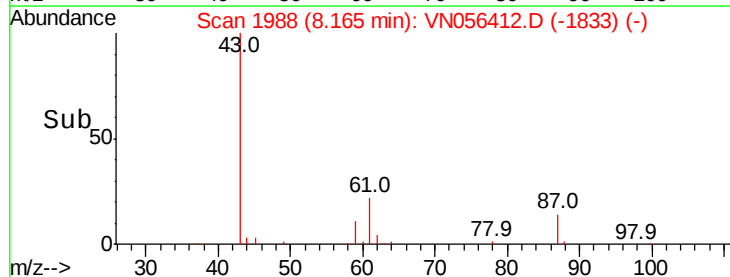
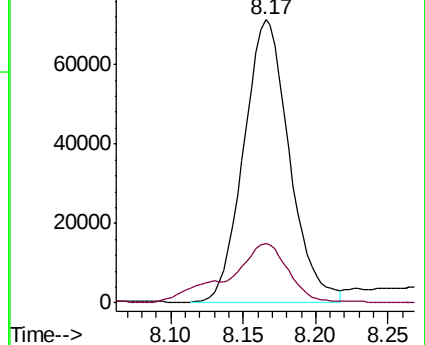
43 100

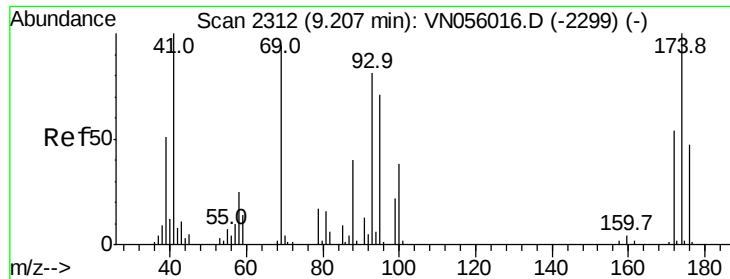
61 21.0 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

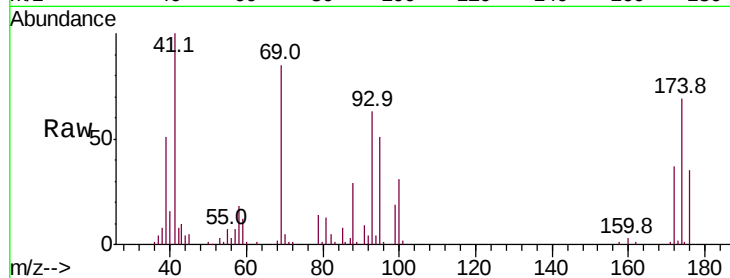




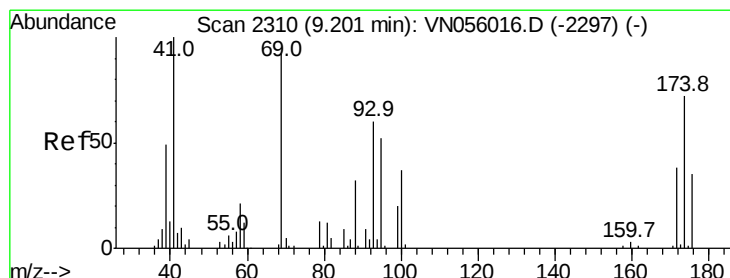
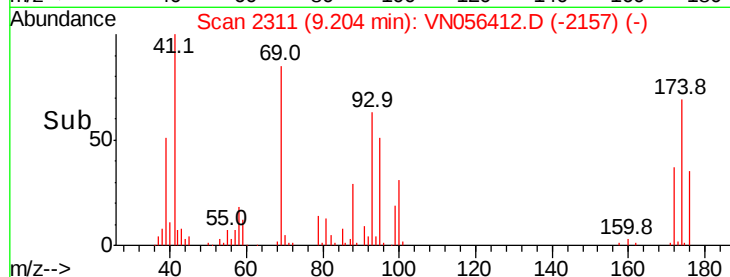
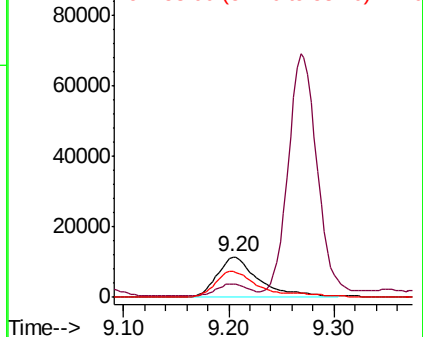
#45
1,4-Dioxane
Concen: 396.283 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 88 Resp: 31686
Ion Ratio Lower Upper
88 100
43 23.4 19.8 29.6
58 65.7 48.5 72.7

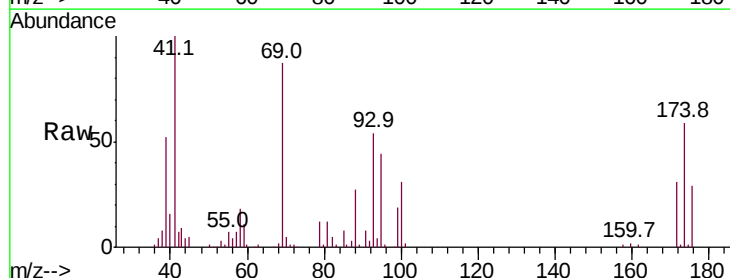


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

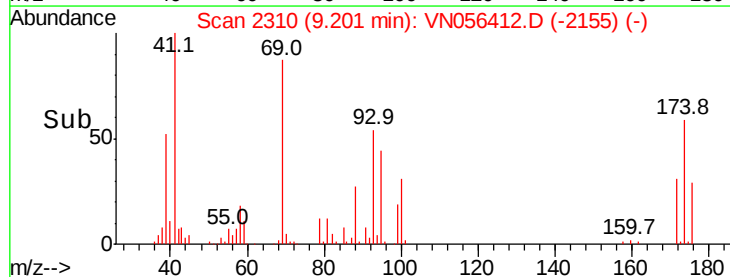
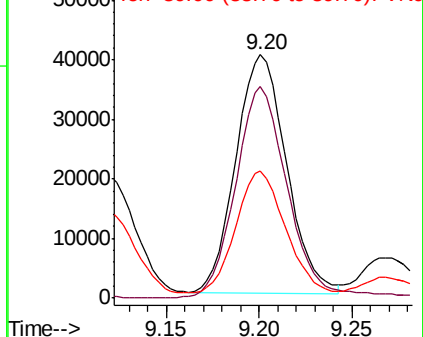


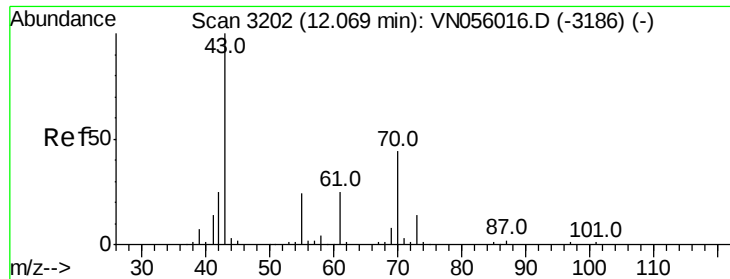
#46
Methyl methacrylate
Concen: 20.430 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 41 Resp: 75862
Ion Ratio Lower Upper
41 100
69 88.6 46.0 137.8
39 51.2 24.6 73.8



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





#47

n-amvl Acetate

Concen: 19.916 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

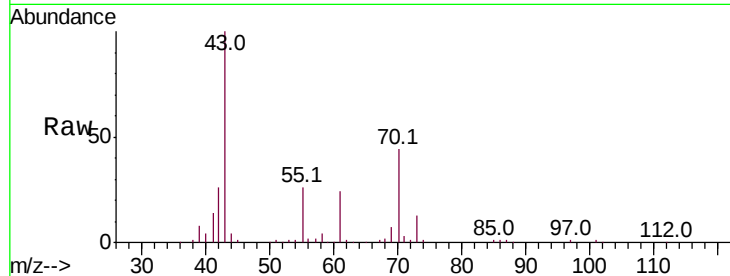
VSTDCCC020

Tot Ion: 43 Resp: 123110

Ion Ratio Lower Upper

43 100

55 25.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

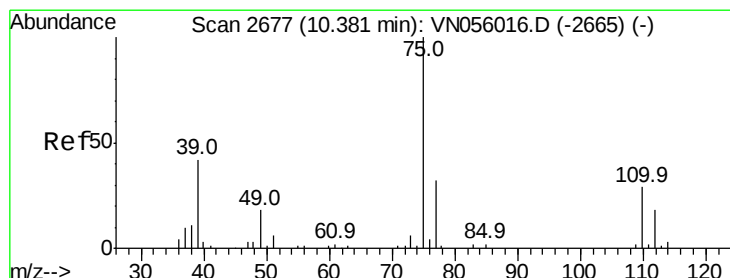
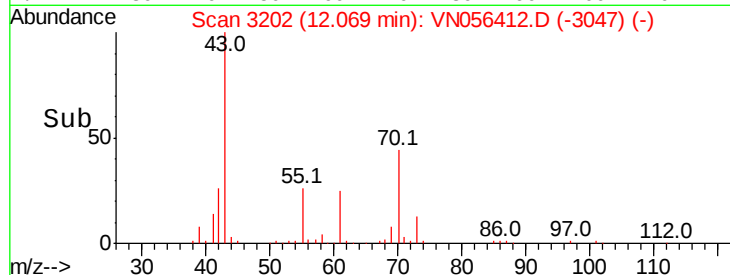
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 19.890 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056412.D

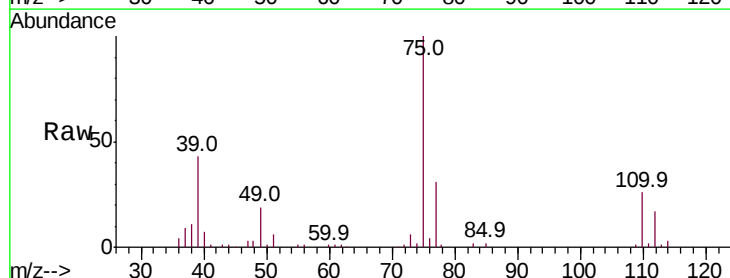
Acq: 21 Jun 2019 9:35

Tgt Ion: 75 Resp: 96897

Ion Ratio Lower Upper

75 100

77 30.8 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

60000

50000

40000

30000

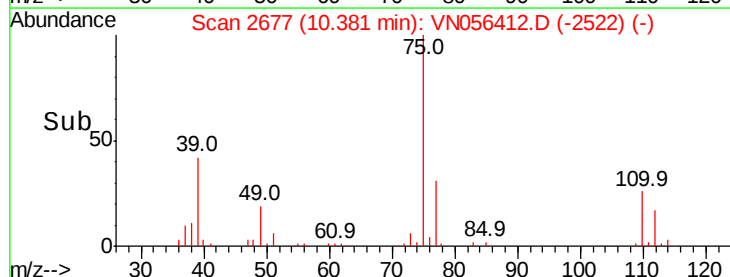
20000

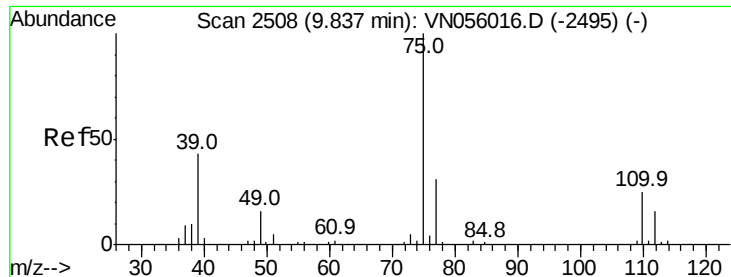
10000

0

Time-->

10.30 10.35 10.40 10.45



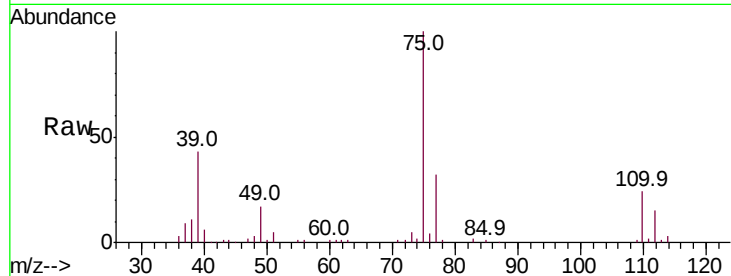


#49

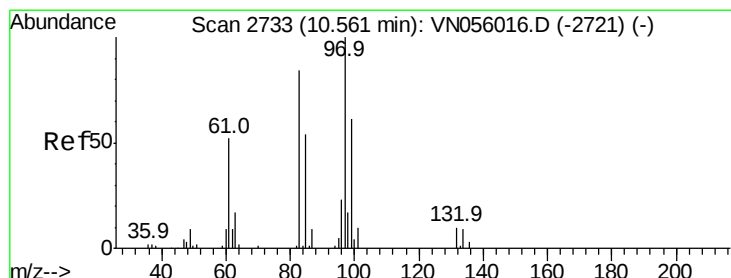
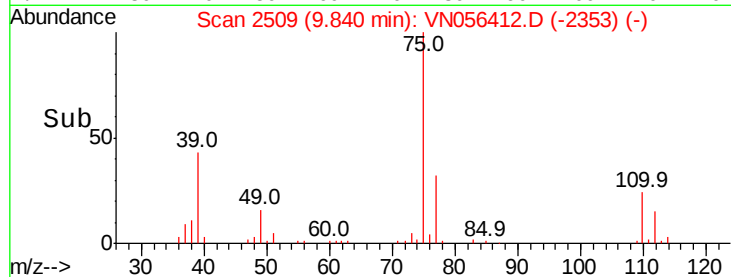
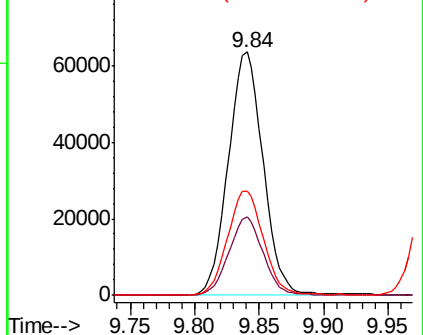
cis-1,3-Dichloropropene
 Concen: 20.920 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 75 Resp: 119342
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 42.7 34.3 51.5



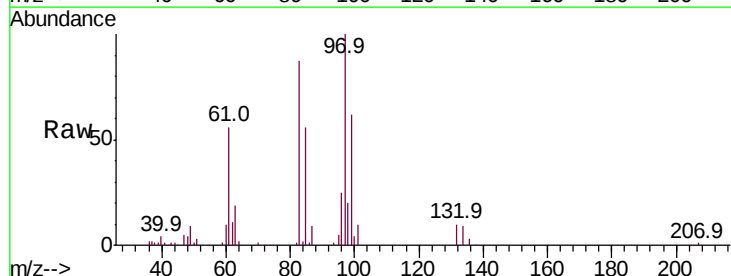
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



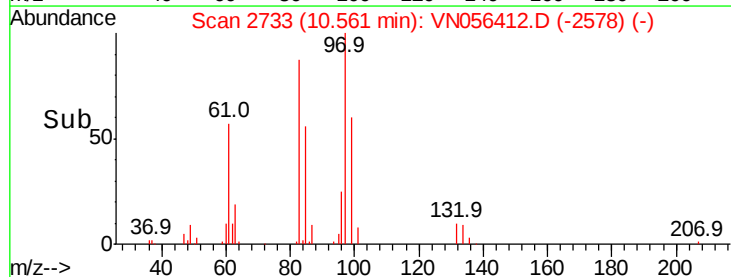
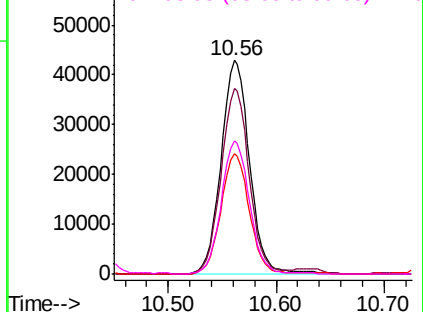
#50

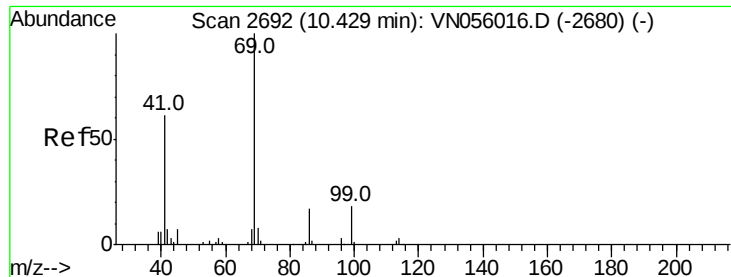
1,1,2-Trichloroethane
 Concen: 20.570 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion: 97 Resp: 78985
 Ion Ratio Lower Upper
 97 100
 83 86.6 66.9 100.3
 85 56.5 43.3 64.9
 99 62.1 48.6 73.0



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





#51

Ethyl methacrylate

Concen: 19.624 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

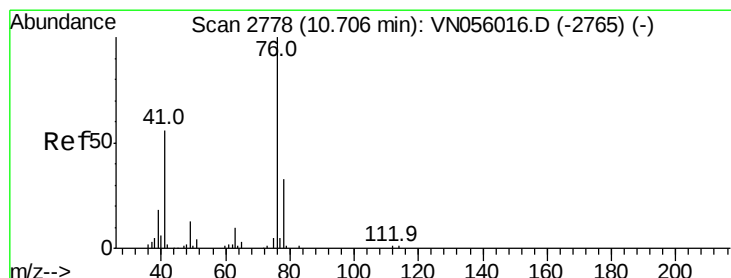
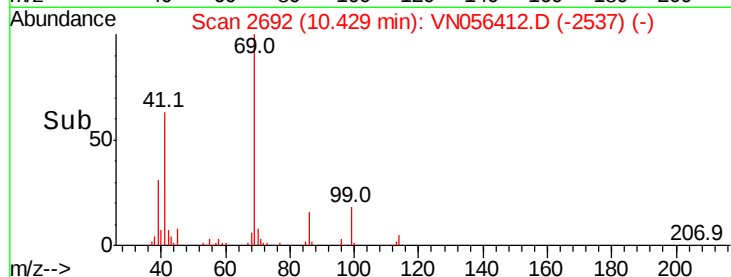
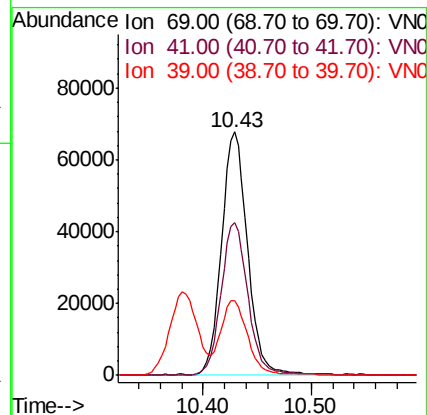
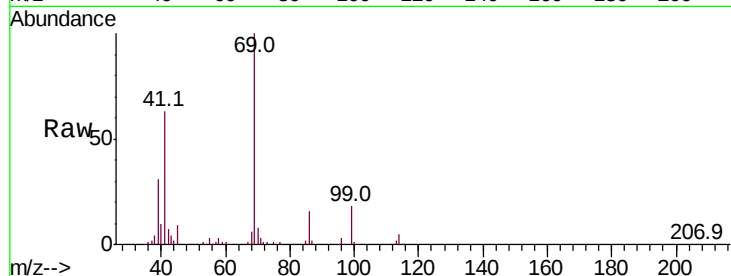
Tot Ion: 69 Resp: 113998

Ion Ratio Lower Upper

69 100

41 62.5 30.8 92.3

39 30.4 14.5 43.6



#52

1,3-Dichloropropane

Concen: 20.983 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056412.D

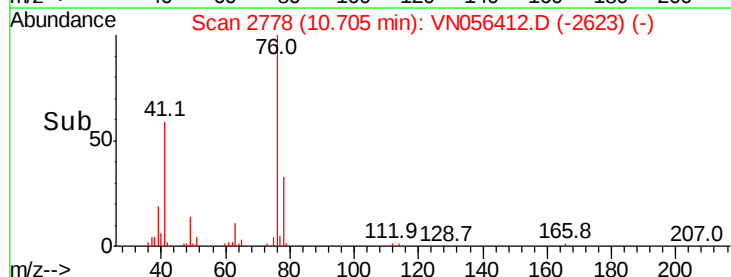
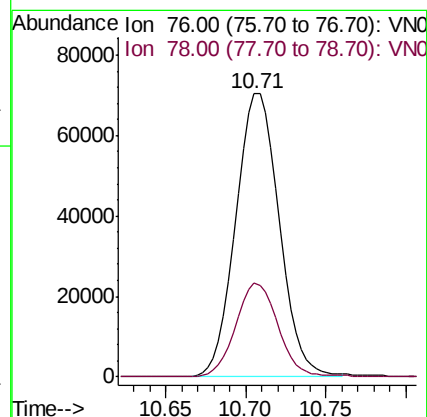
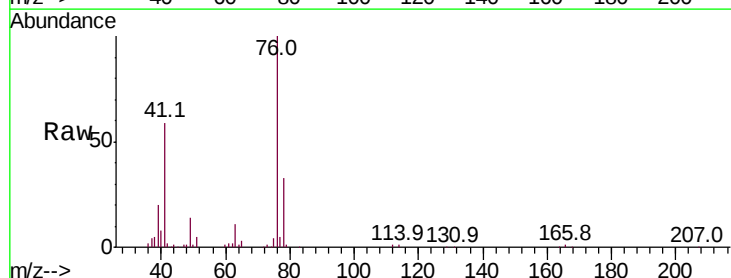
Acq: 21 Jun 2019 9:35

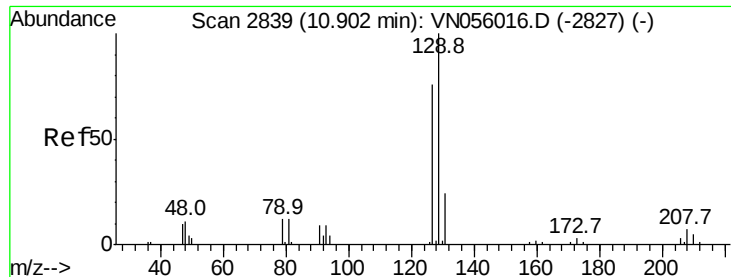
Tgt Ion: 76 Resp: 130619

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.4





#53

Dibromochloromethane

Concen: 19.095 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

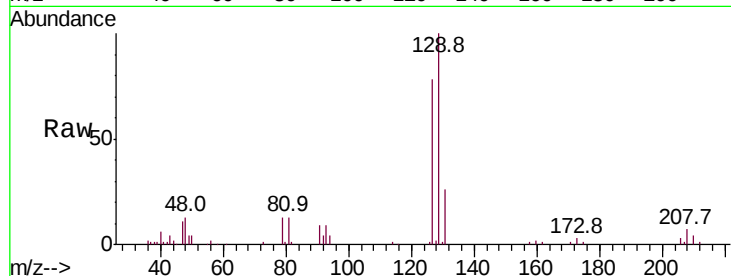
VSTDCCC020

Tot Ion:129 Resp: 71776

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

40000

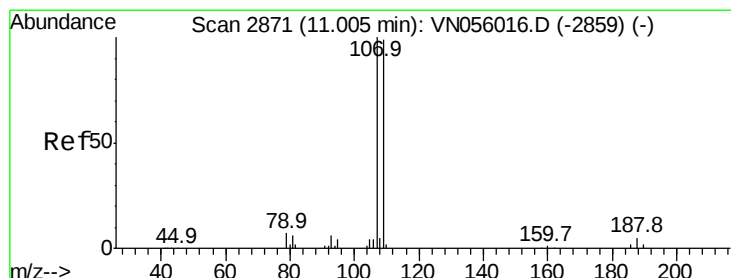
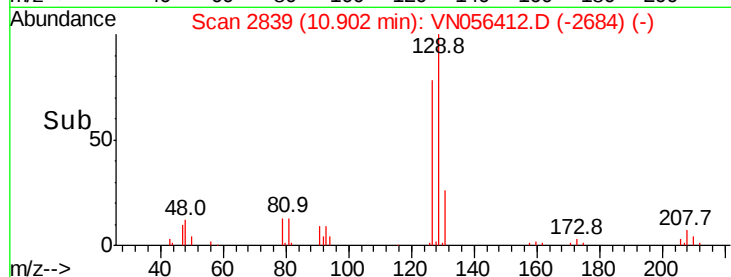
30000

20000

10000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056412.D

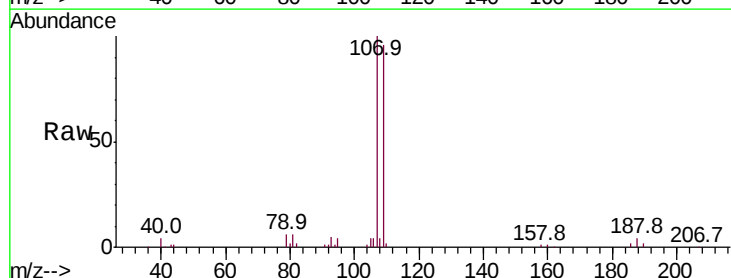
Acq: 21 Jun 2019 9:35

Tgt Ion:107 Resp: 78681

Ion Ratio Lower Upper

107 100

109 96.2 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

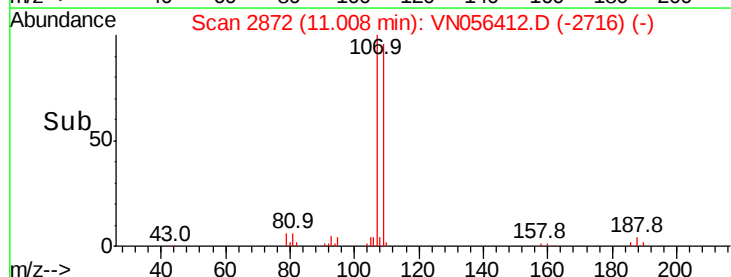
30000

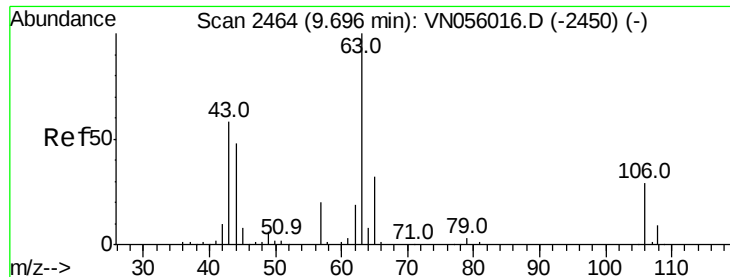
20000

10000

0

Time-->

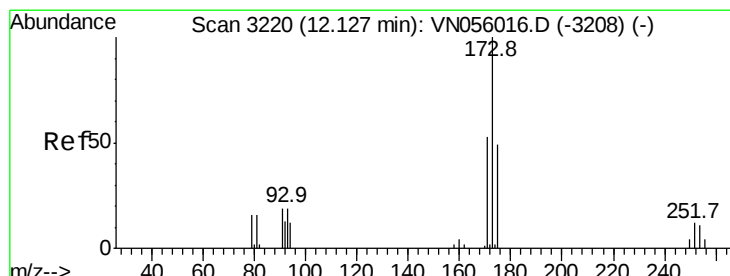
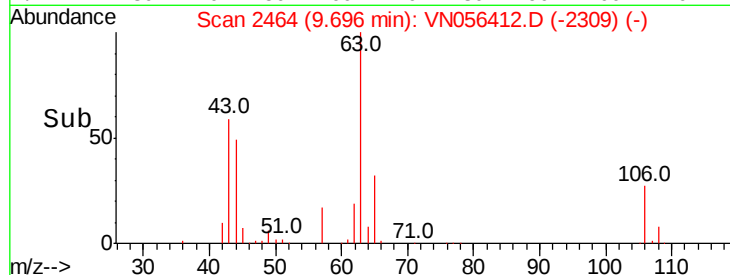
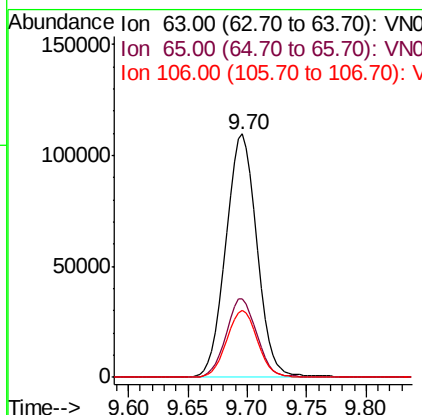
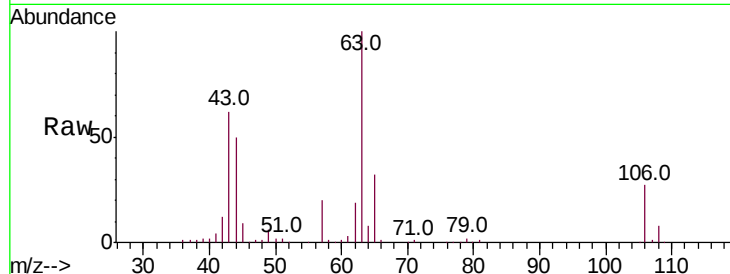




#55
2-Chloroethyl vinyl ether
Concen: 98.016 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

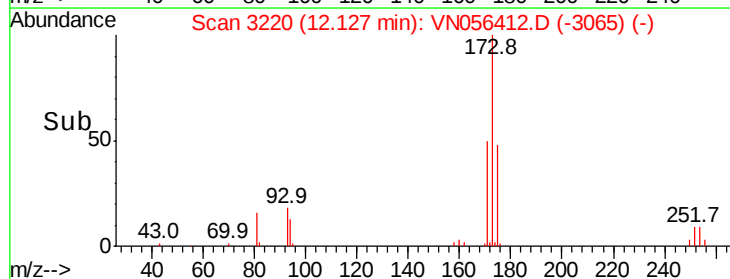
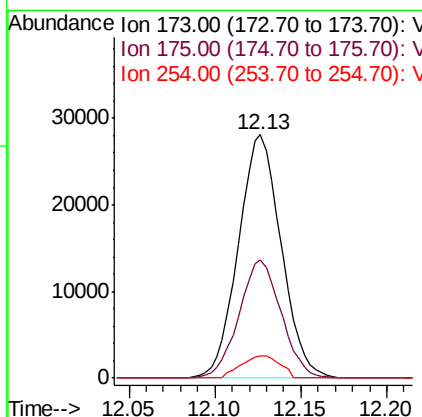
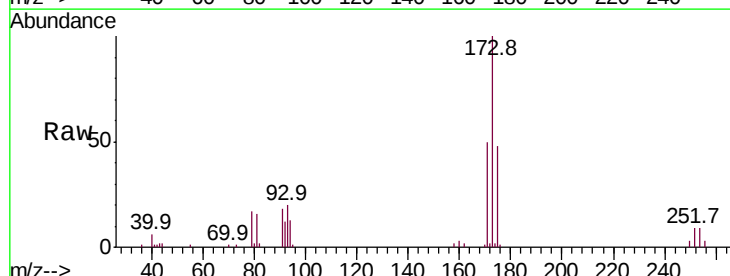
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

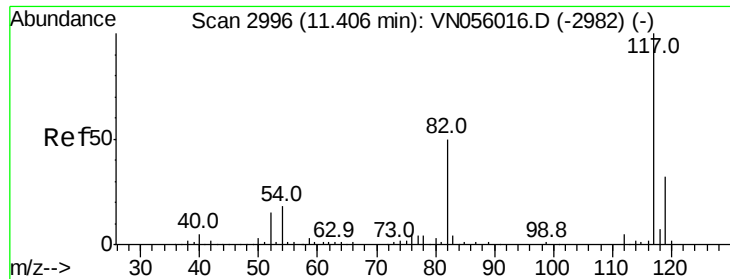
Tot Ion: 63 Resp: 199442
Ion Ratio Lower Upper
63 100
65 31.7 25.5 38.3
106 27.0 23.0 34.4



#56
Bromoform
Concen: 17.843 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 173 Resp: 48519
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 8.3 6.6 9.8

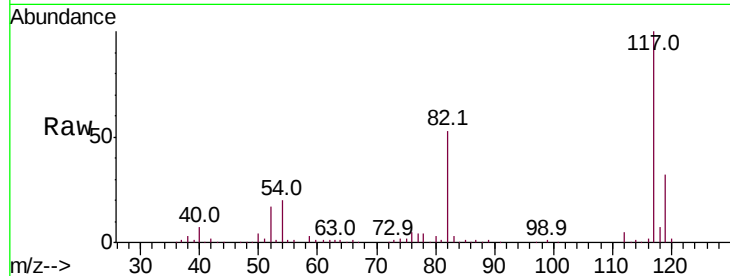




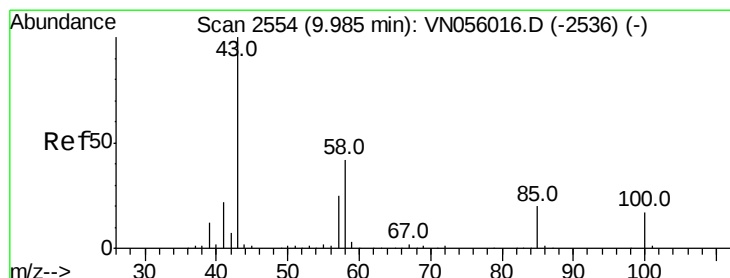
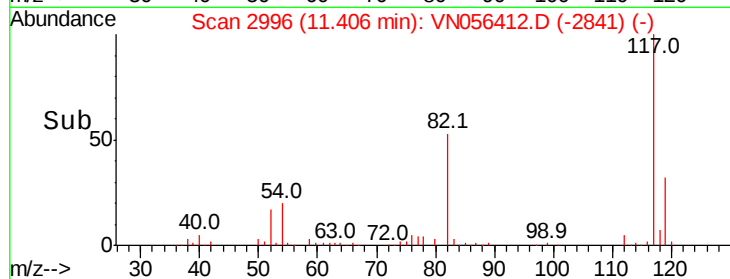
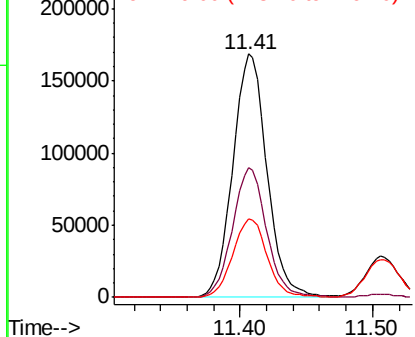
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 302146
Ion Ratio Lower Upper
117 100
82 53.0 41.2 61.8
119 32.5 26.2 39.2

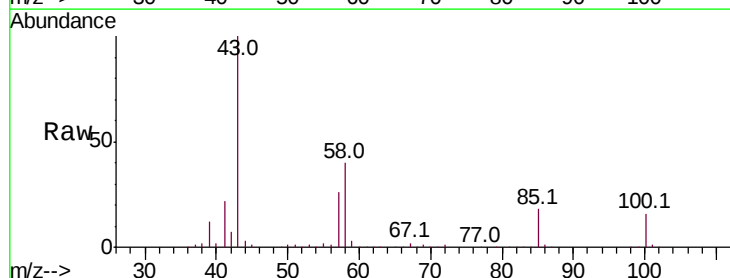


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

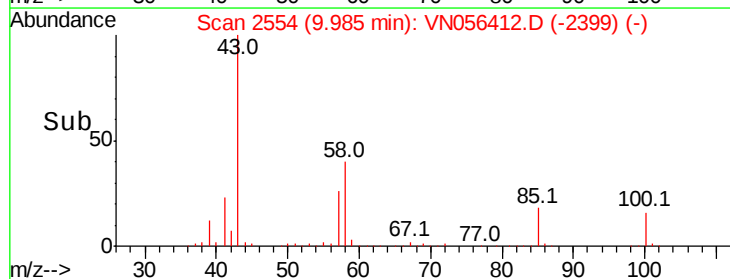
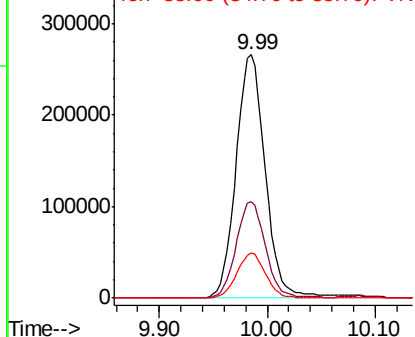


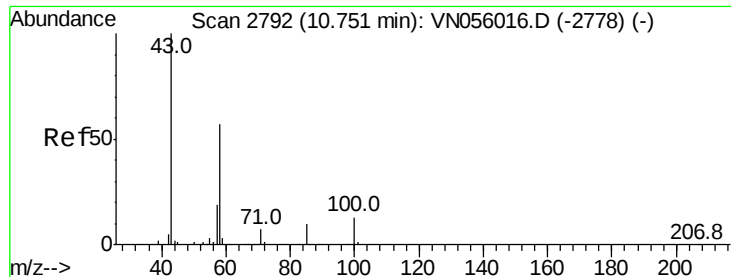
#58
4-Methyl-2-Pentanone
Concen: 109.514 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 43 Resp: 501053
Ion Ratio Lower Upper
43 100
58 39.7 33.1 49.7
85 18.2 15.5 23.3



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

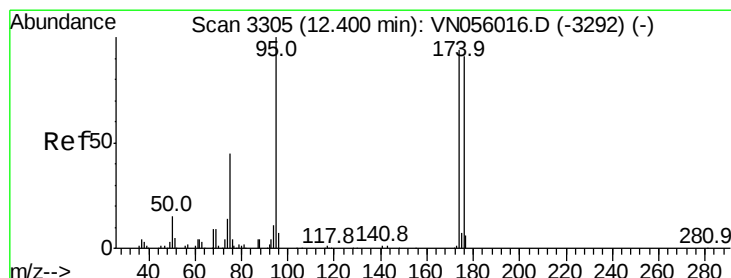
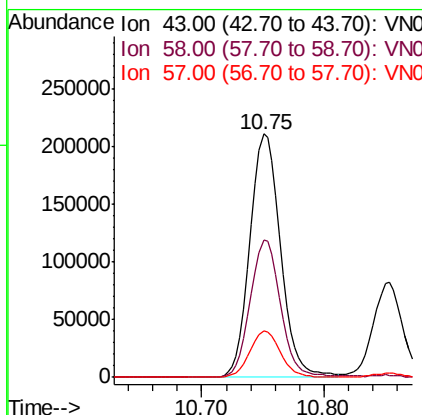
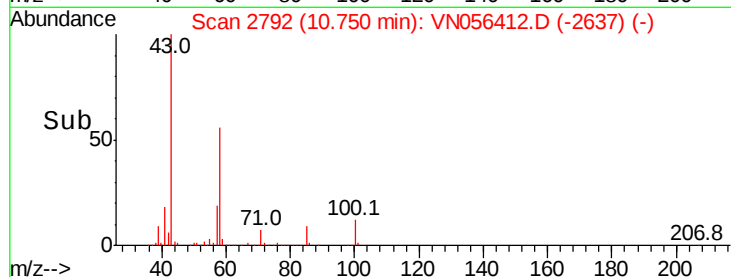
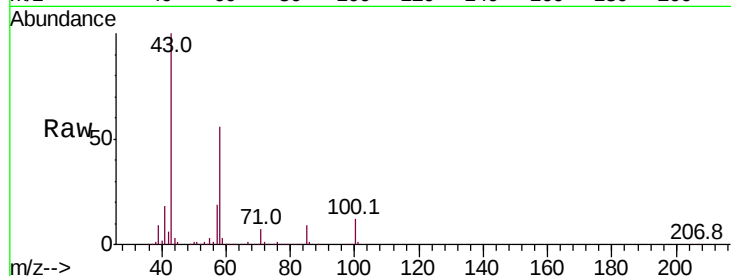




#59
2-Hexanone
Concen: 111.309 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

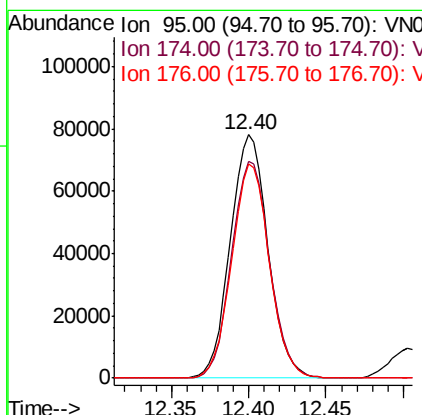
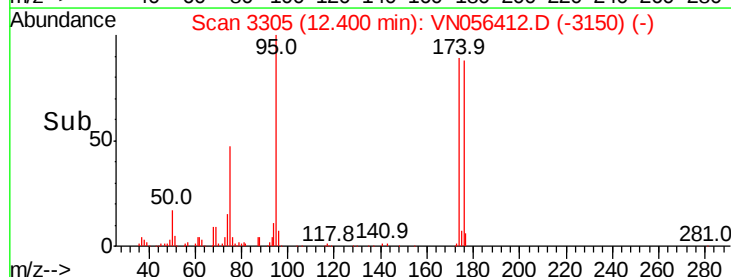
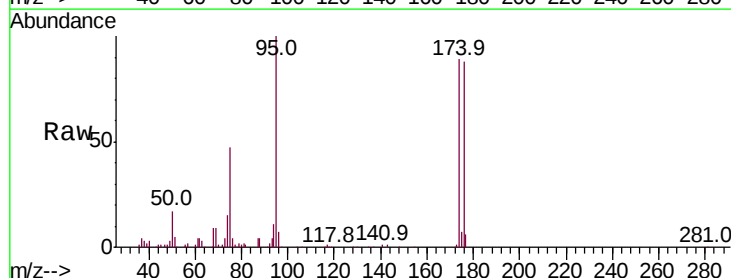
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

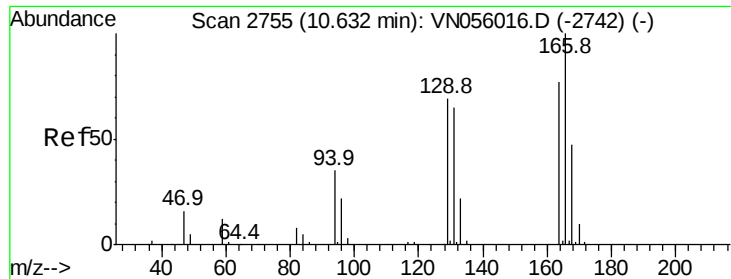
Tot Ion: 43 Resp: 363997
Ion Ratio Lower Upper
43 100
58 55.8 45.3 67.9
57 19.2 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.509 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 95 Resp: 132153
Ion Ratio Lower Upper
95 100
174 89.7 75.4 113.0
176 87.9 73.9 110.9





#61

Tetrachloroethene

Concen: 19.704 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 82974

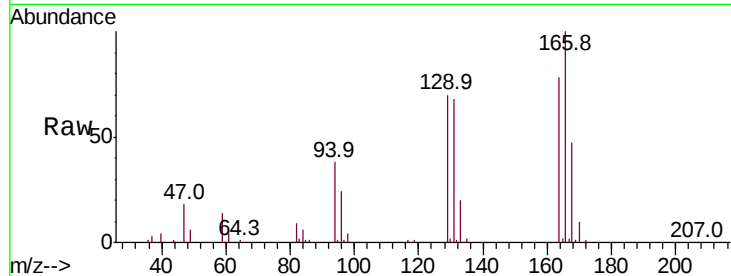
Ion Ratio Lower Upper

164 100

166 128.2 104.3 156.5

129 90.3 71.5 107.3

131 86.9 67.7 101.5

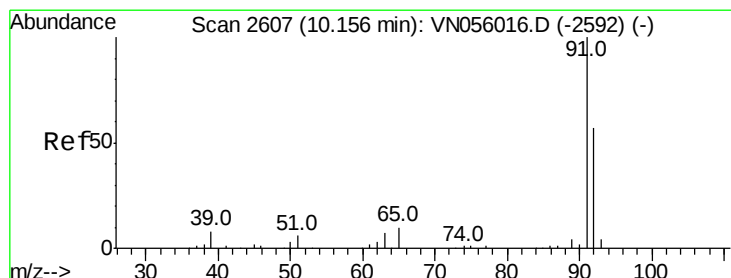
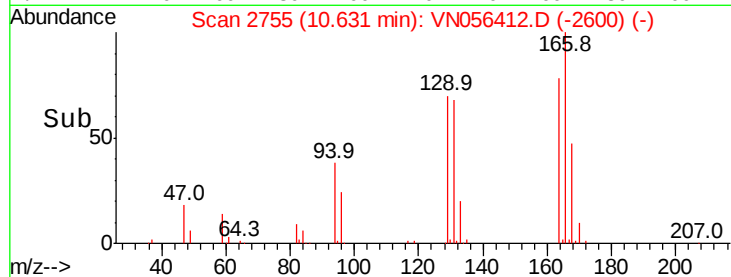
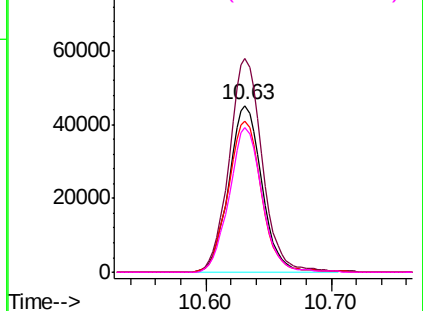


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.019 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056412.D

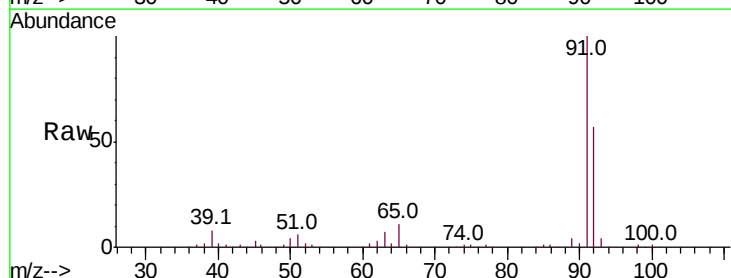
Acq: 21 Jun 2019 9:35

Tgt Ion: 91 Resp: 342845

Ion Ratio Lower Upper

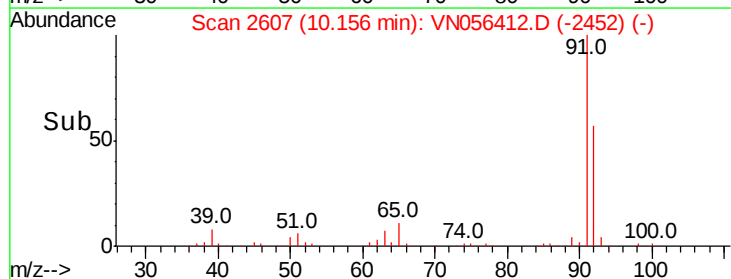
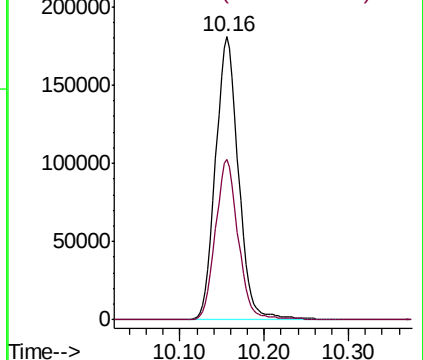
91 100

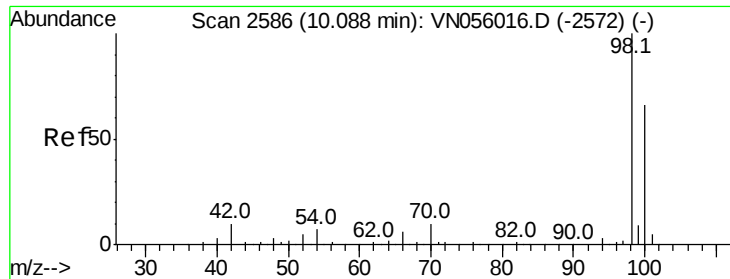
92 56.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 31.063 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

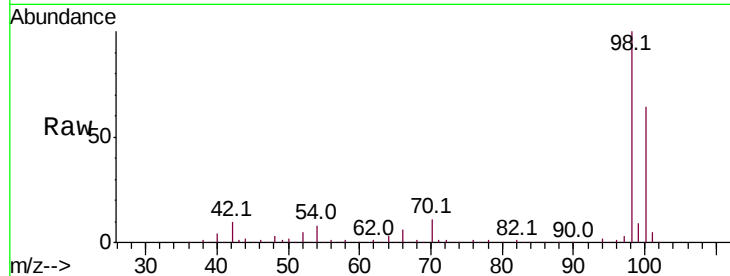
VSTDCCC020

Tot Ion: 98 Resp: 425759

Ion Ratio Lower Upper

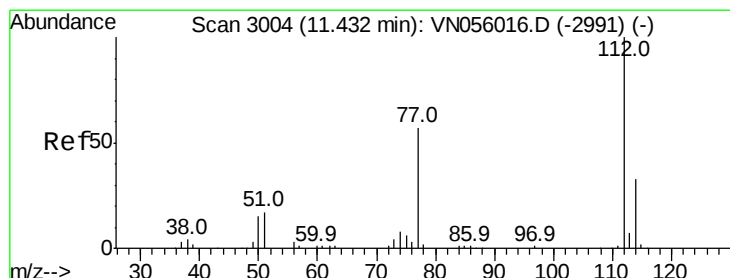
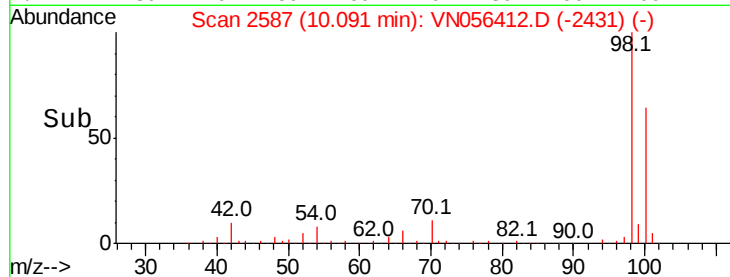
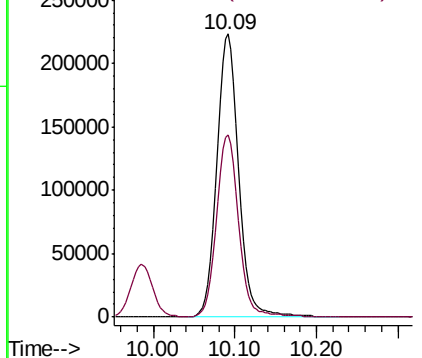
98 100

100 64.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056412.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056412.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.541 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056412.D

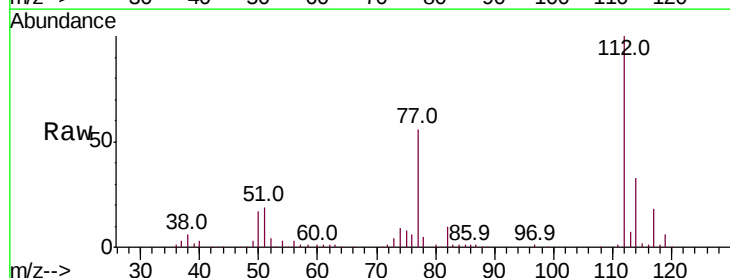
Acq: 21 Jun 2019 9:35

Tgt Ion: 112 Resp: 203226

Ion Ratio Lower Upper

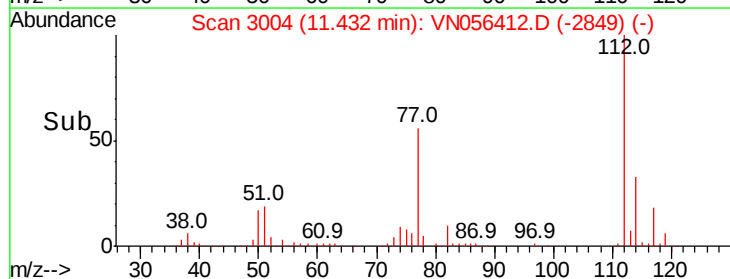
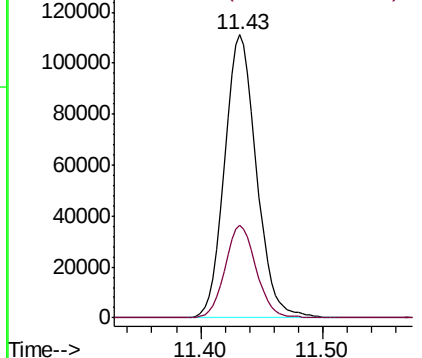
112 100

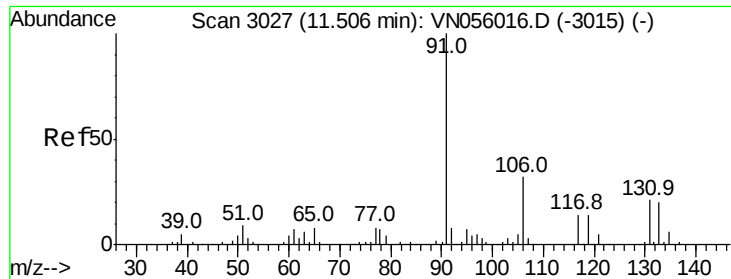
114 32.7 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056412.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN056412.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

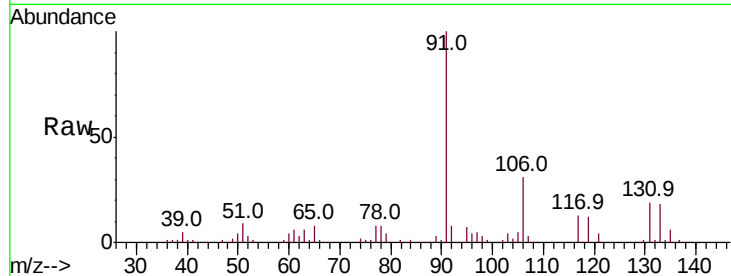
Tot Ion:131 Resp: 72819

Ion Ratio Lower Upper

131 100

133 93.2 0.0 193.8

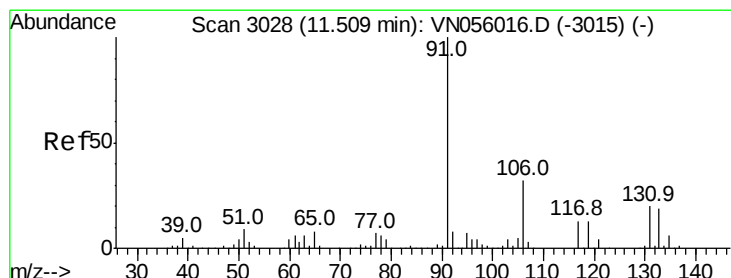
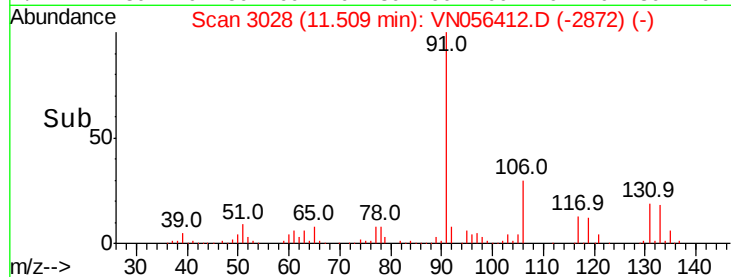
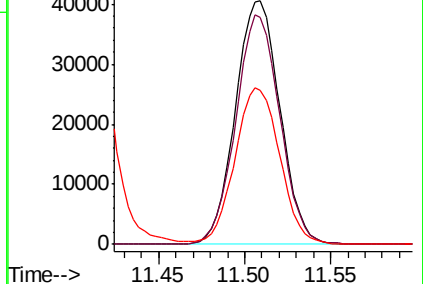
119 65.2 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.947 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056412.D

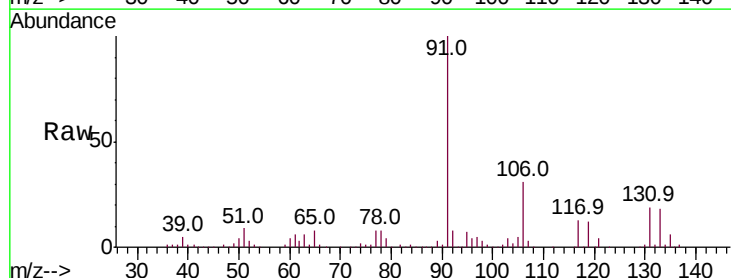
Acq: 21 Jun 2019 9:35

Tgt Ion: 91 Resp: 363910

Ion Ratio Lower Upper

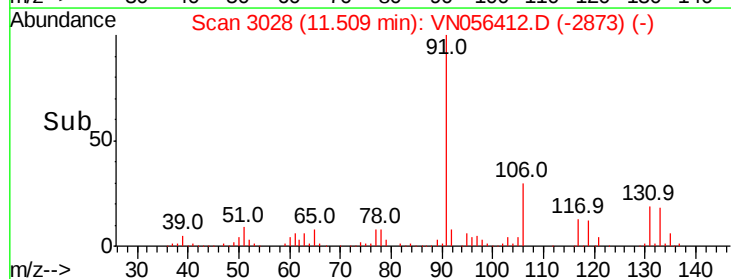
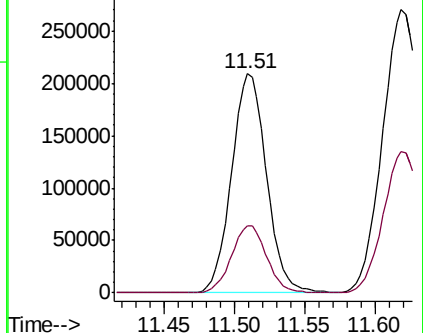
91 100

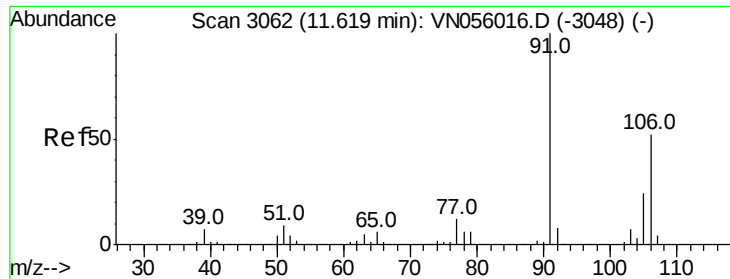
106 30.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

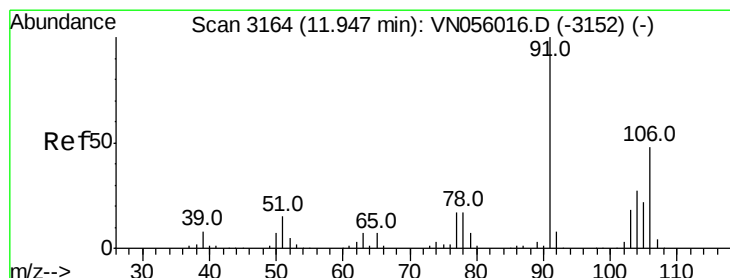
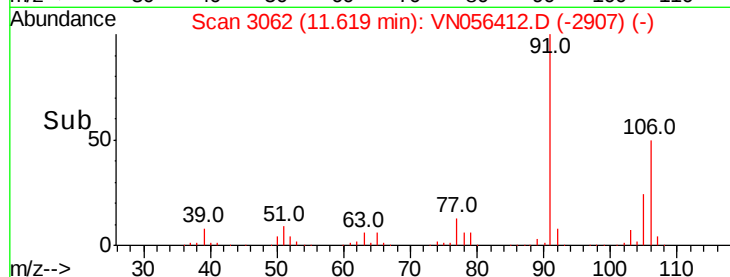
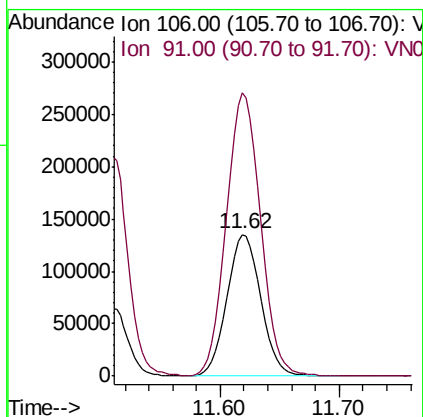
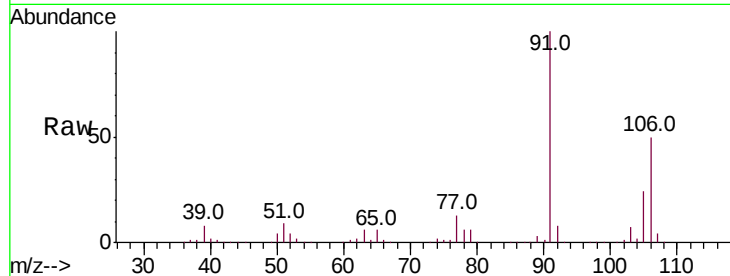




#67
m/p-Xylenes
Concen: 40.108 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

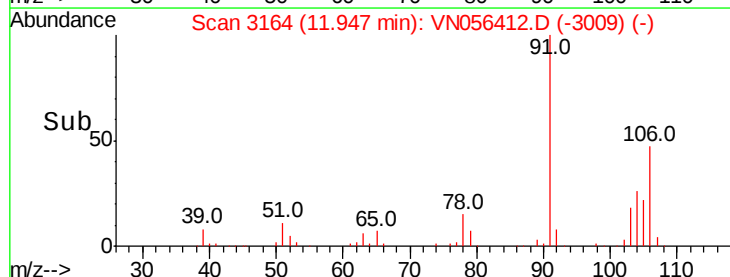
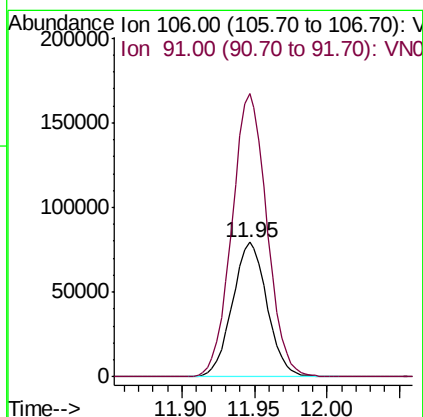
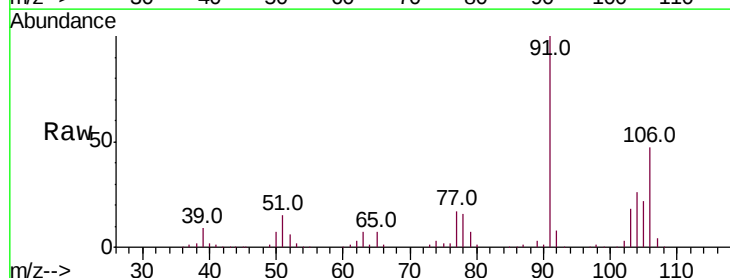
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

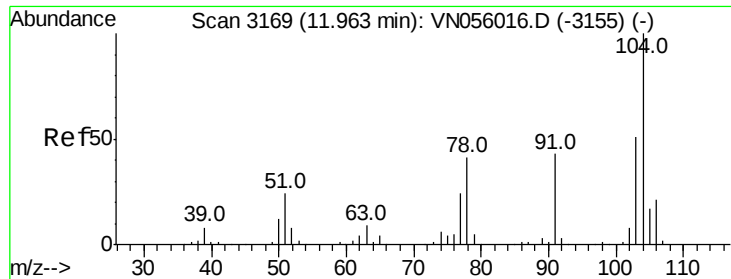
Tot Ion:106 Resp: 266705
Ion Ratio Lower Upper
106 100
91 202.3 155.7 233.5



#68
o-Xylene
Concen: 20.297 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion:106 Resp: 132131
Ion Ratio Lower Upper
106 100
91 211.5 103.9 311.7

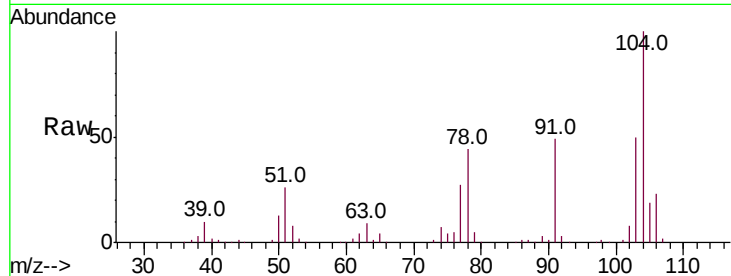




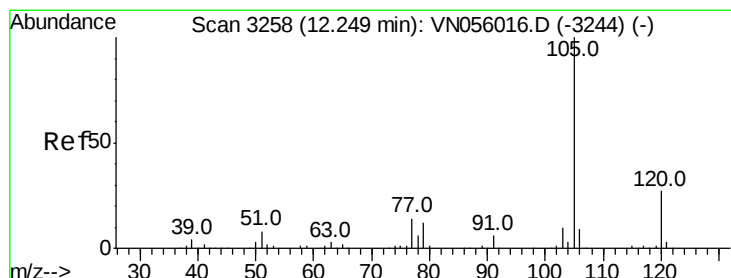
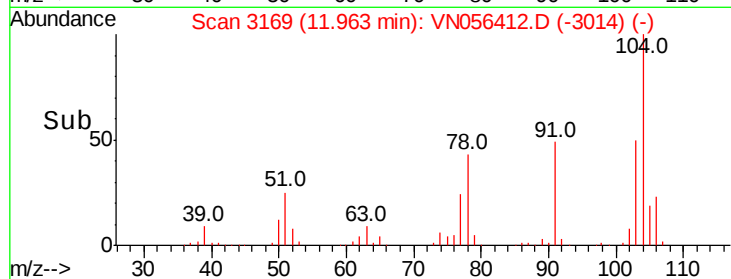
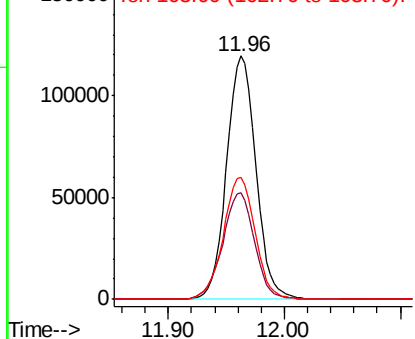
#69
Stvrene
Concen: 19.774 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:104 Resp: 209143
Ion Ratio Lower Upper
104 100
78 47.6 37.0 55.6
103 54.4 44.4 66.6

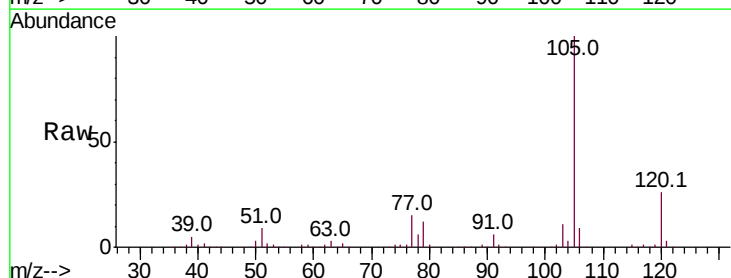


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

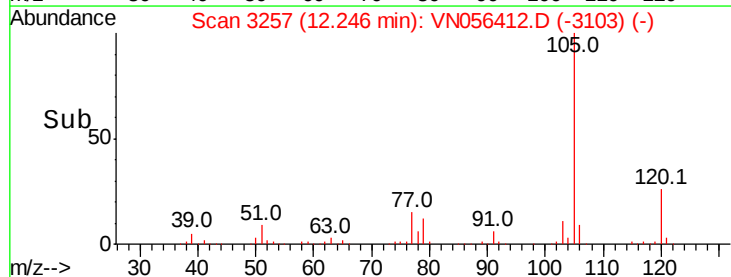
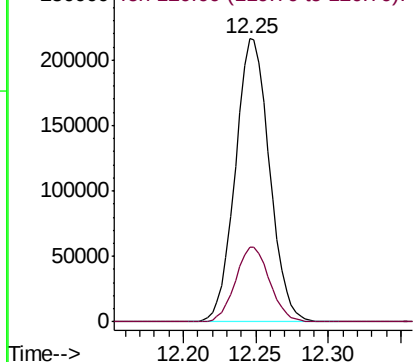


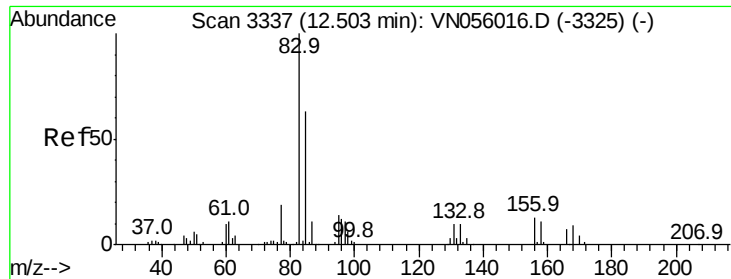
#70
Isopropylbenzene
Concen: 20.799 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion:105 Resp: 353764
Ion Ratio Lower Upper
105 100
120 26.4 19.3 35.8



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





#71

1,1,2,2-Tetrachloroethane

Concen: 21.128 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

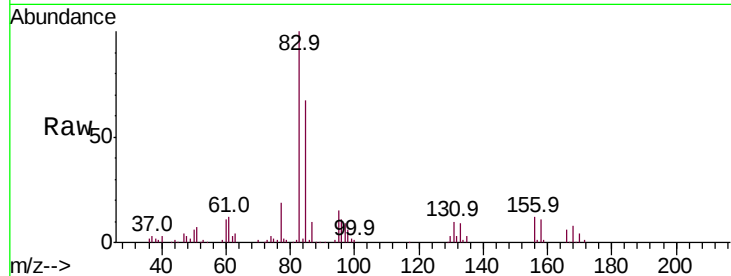
Tot Ion: 83 Resp: 108344

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

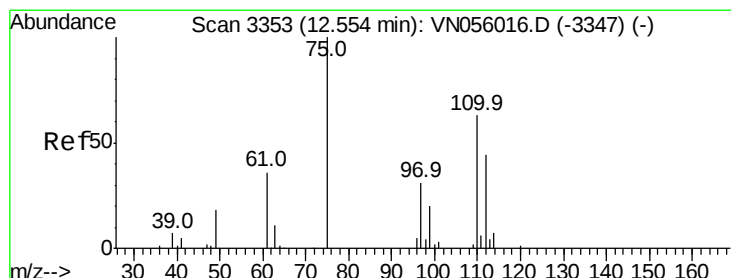
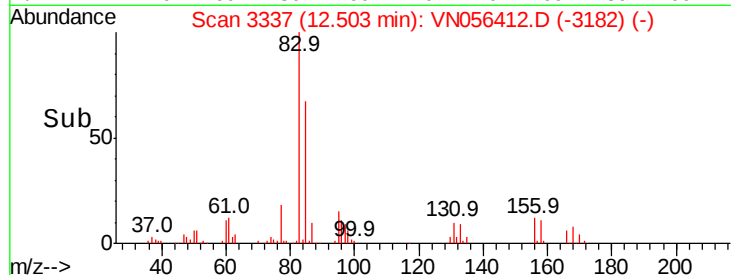
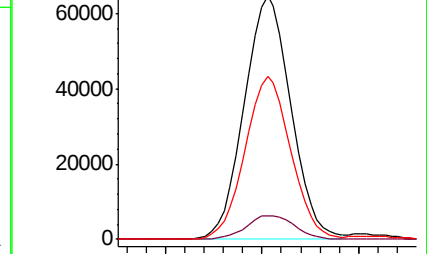
85 65.8 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 19.573 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056412.D

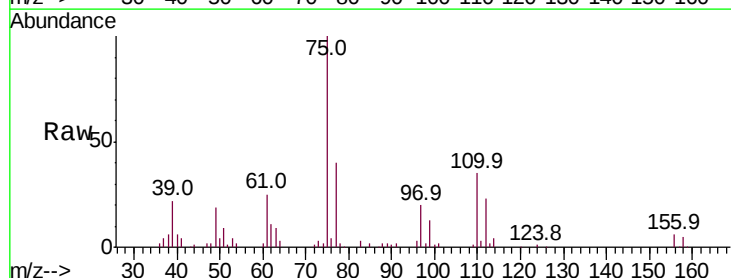
Acq: 21 Jun 2019 9:35

Tgt Ion: 75 Resp: 86892

Ion Ratio Lower Upper

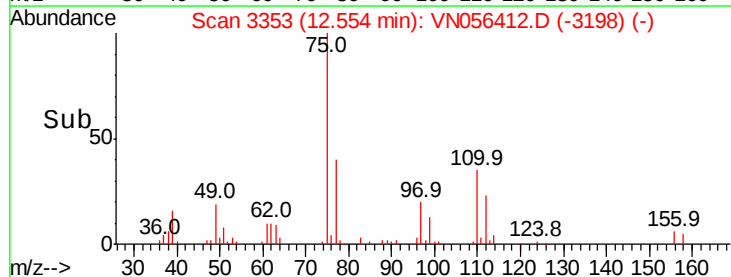
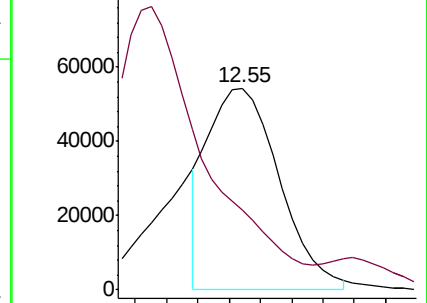
75 100

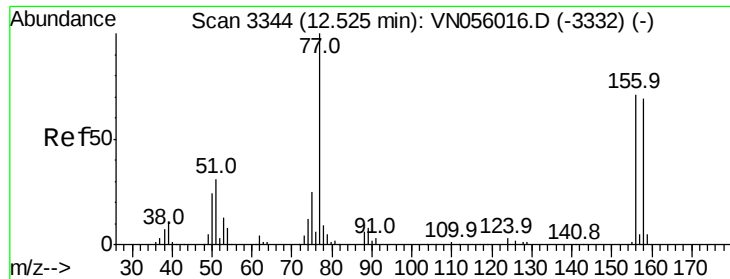
77 187.3 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.223 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

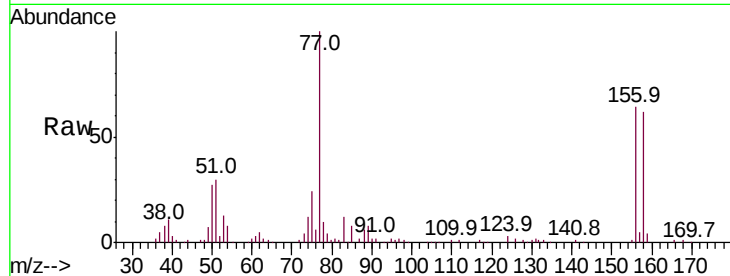
Tot Ion:156 Resp: 86785

Ion Ratio Lower Upper

156 100

77 187.6 0.0 350.8

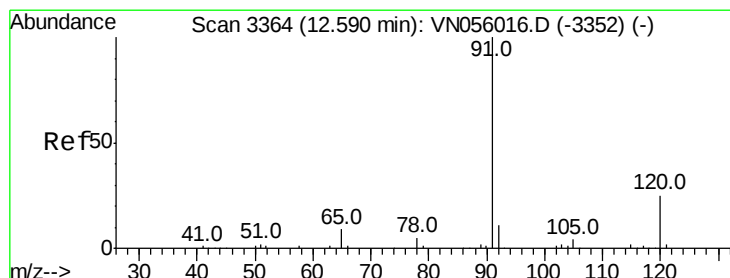
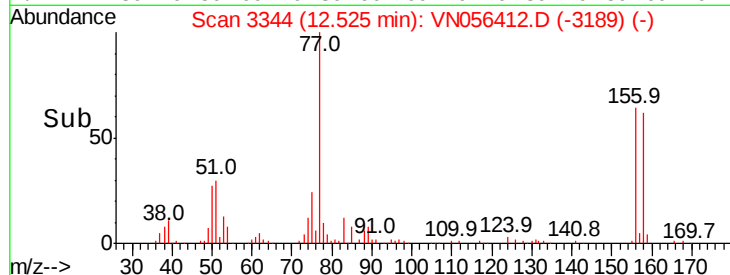
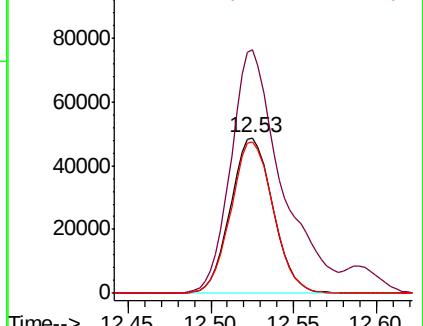
158 97.7 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.625 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056412.D

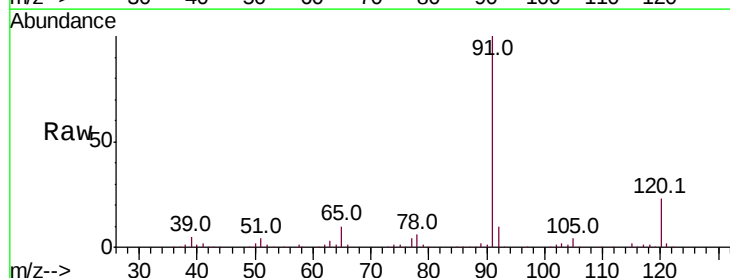
Acq: 21 Jun 2019 9:35

Tgt Ion: 91 Resp: 370207

Ion Ratio Lower Upper

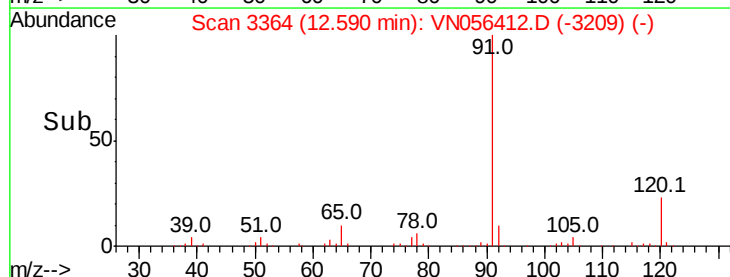
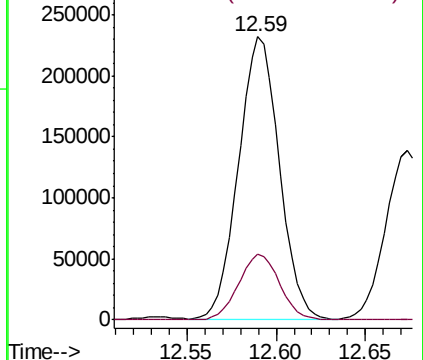
91 100

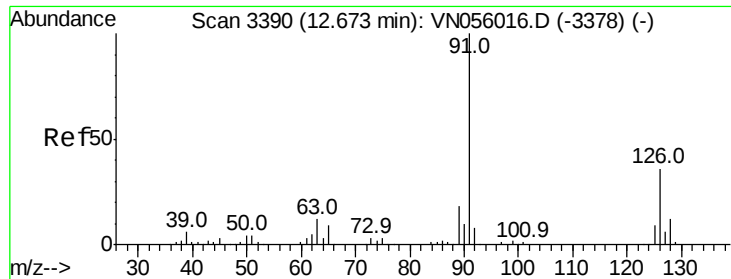
120 23.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.846 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

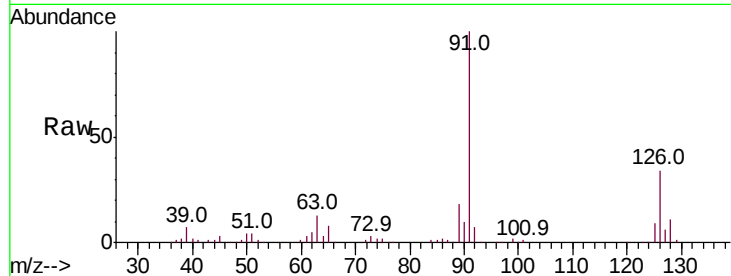
VSTDCCC020

Tot Ion: 91 Resp: 232088

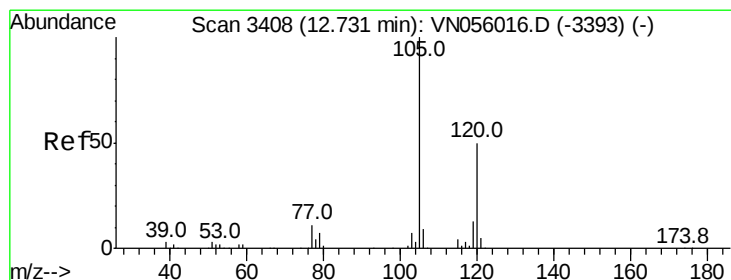
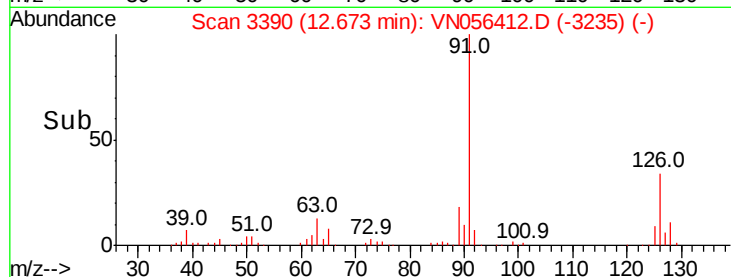
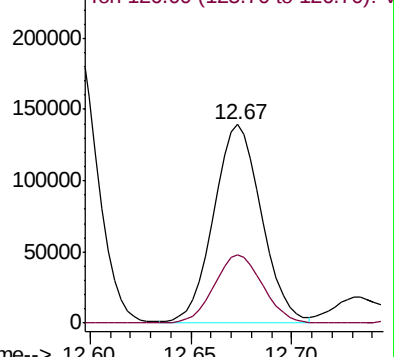
Ion Ratio Lower Upper

91 100

126 34.7 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056412.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.148 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056412.D

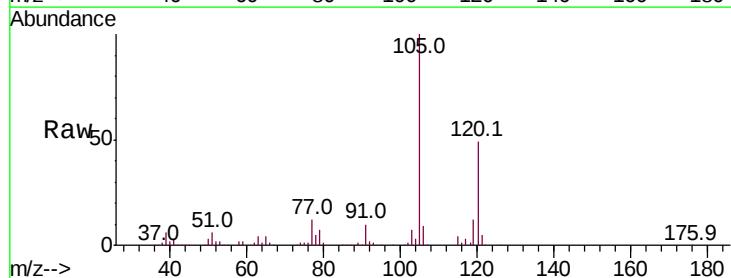
Acq: 21 Jun 2019 9:35

Tgt Ion: 105 Resp: 281886

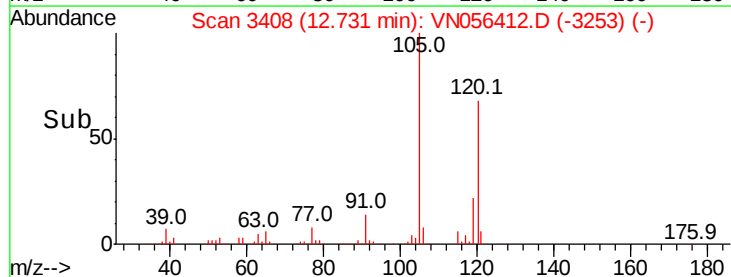
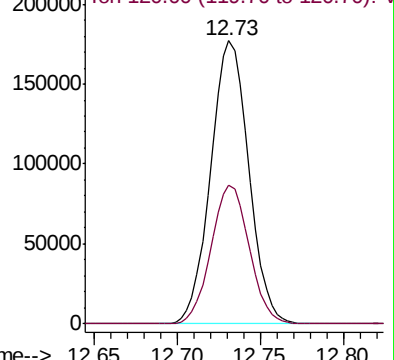
Ion Ratio Lower Upper

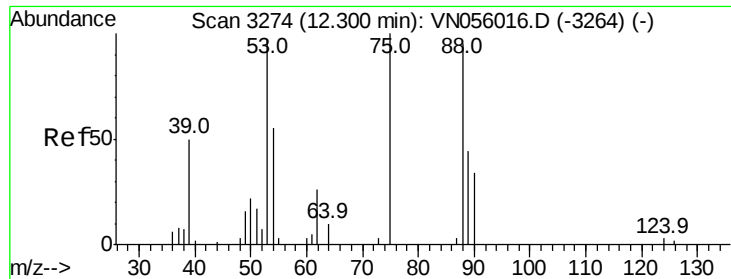
105 100

120 49.3 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056412.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.295 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

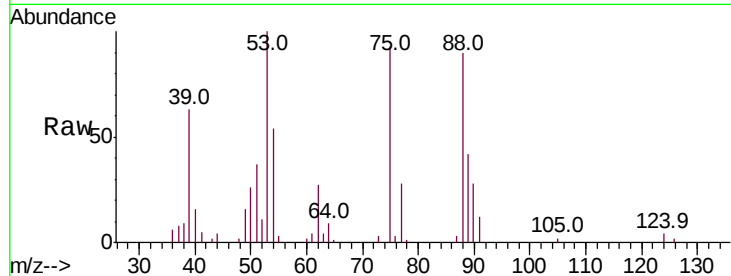
Tot Ion: 75 Resp: 23175

Ion Ratio Lower Upper

75 100

53 105.6 48.0 144.0

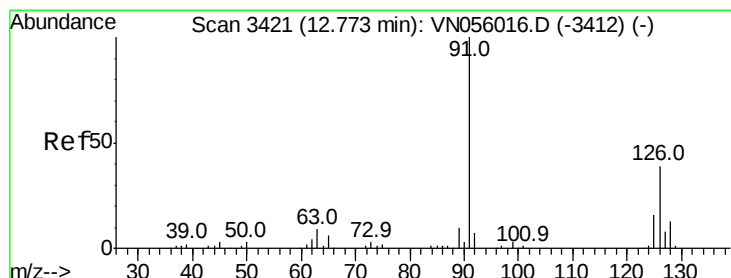
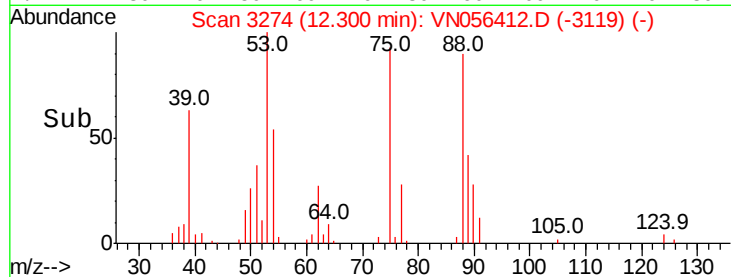
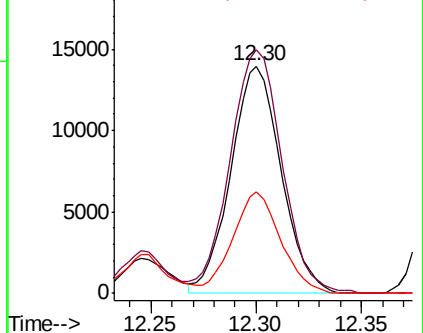
89 44.5 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.987 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056412.D

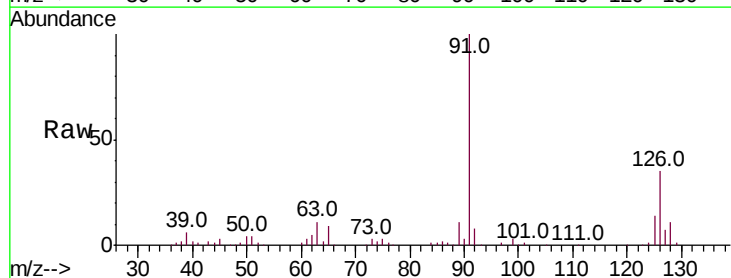
Acq: 21 Jun 2019 9:35

Tgt Ion: 91 Resp: 207814

Ion Ratio Lower Upper

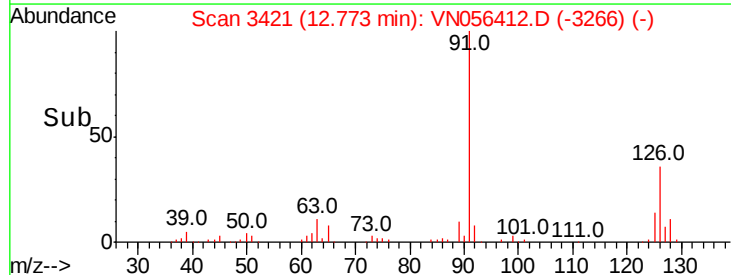
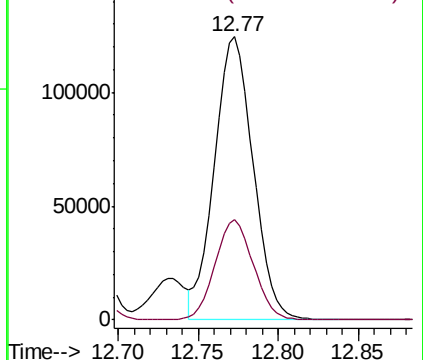
91 100

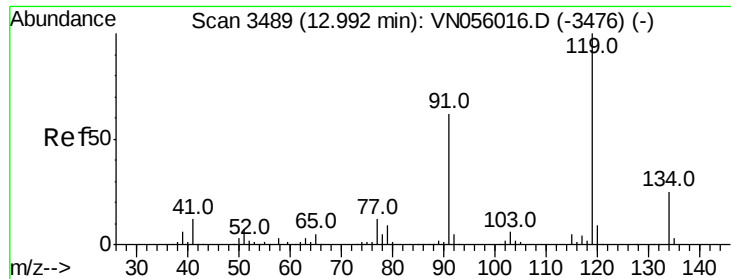
126 34.8 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.522 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

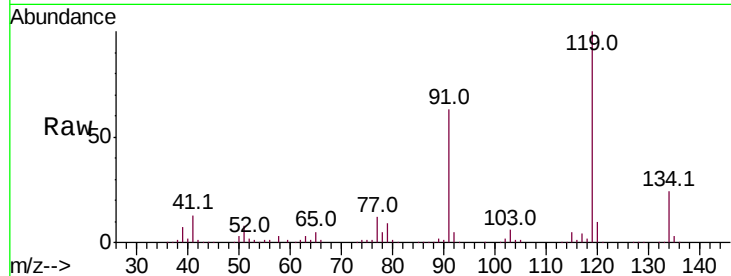
Tot Ion:119 Resp: 254378

Ion Ratio Lower Upper

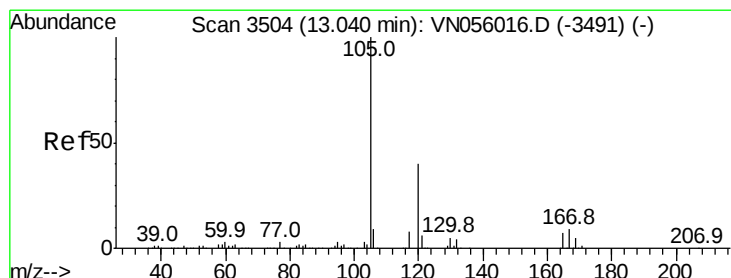
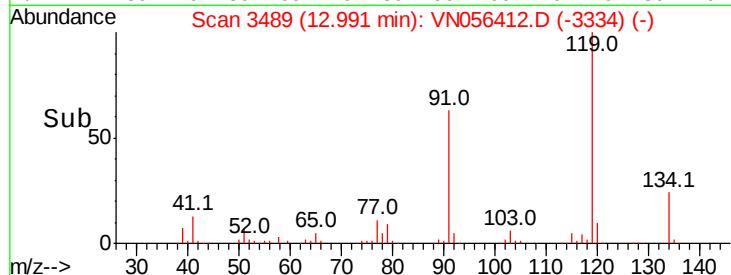
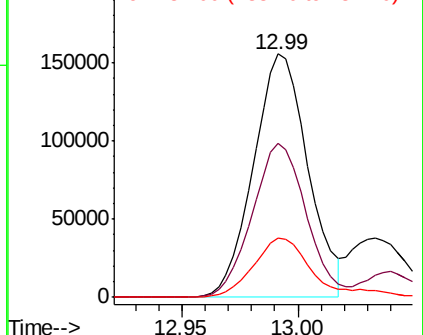
119 100

91 62.5 0.0 122.8

134 24.9 0.0 50.2



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.753 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN056412.D

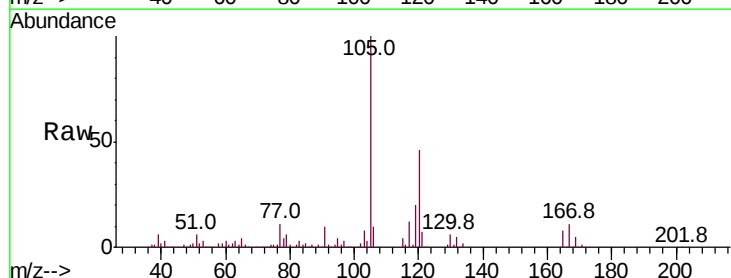
Acq: 21 Jun 2019 9:35

Tgt Ion:105 Resp: 268841

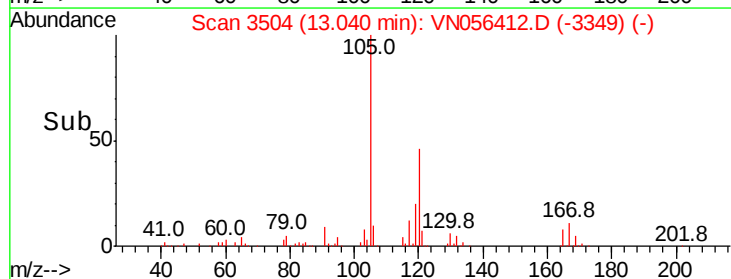
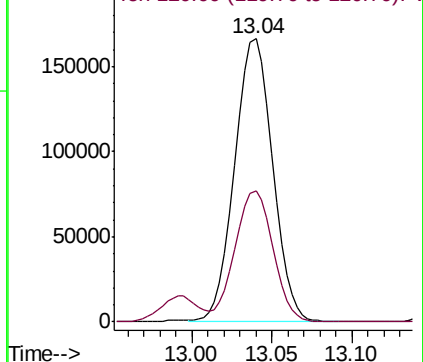
Ion Ratio Lower Upper

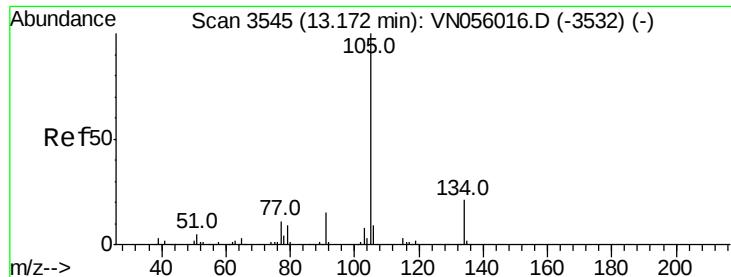
105 100

120 46.4 0.0 93.4



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





#81

sec-Butylbenzene

Concen: 20.706 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

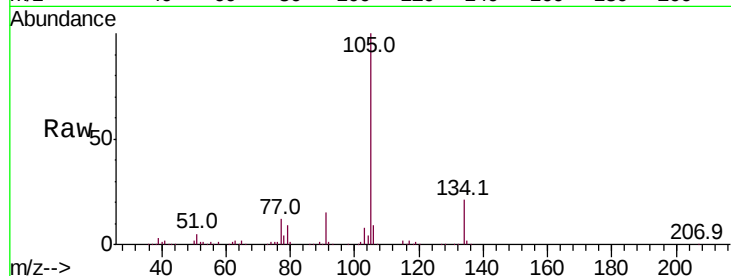
VSTDCCC020

Tot Ion:105 Resp: 324677

Ion Ratio Lower Upper

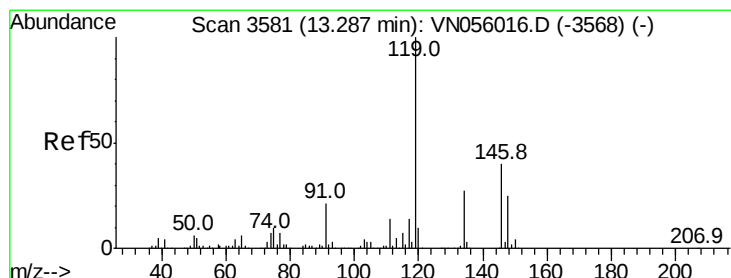
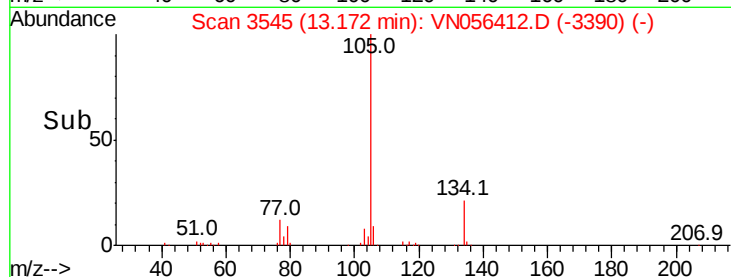
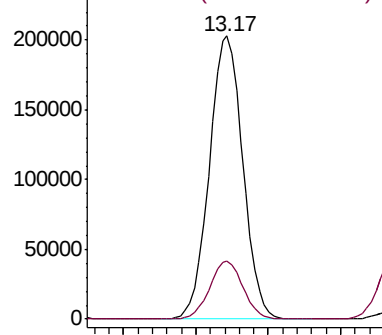
105 100

134 20.4 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.644 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

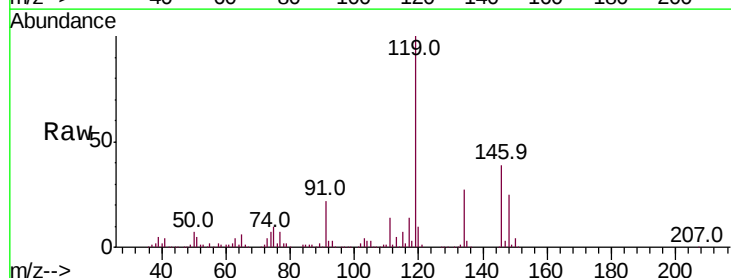
Tgt Ion:119 Resp: 278502

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.4

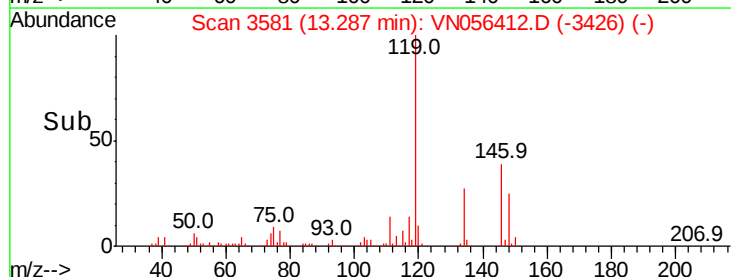
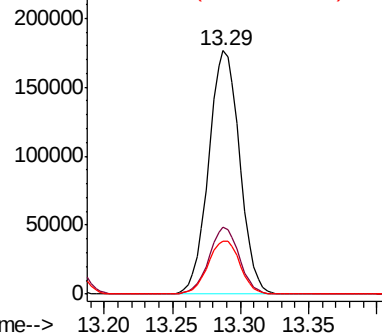
91 22.4 0.0 43.0

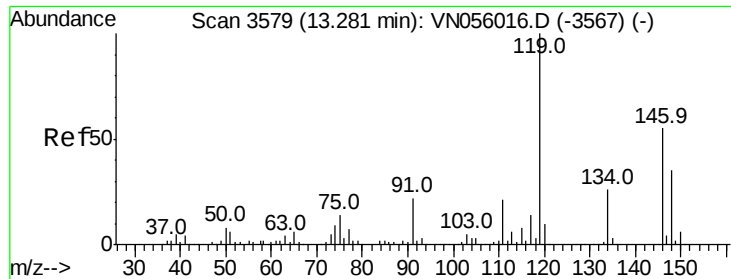


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

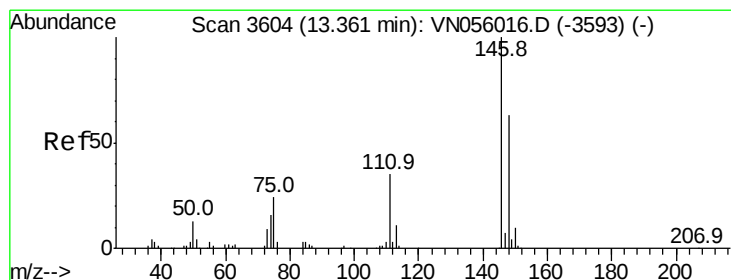
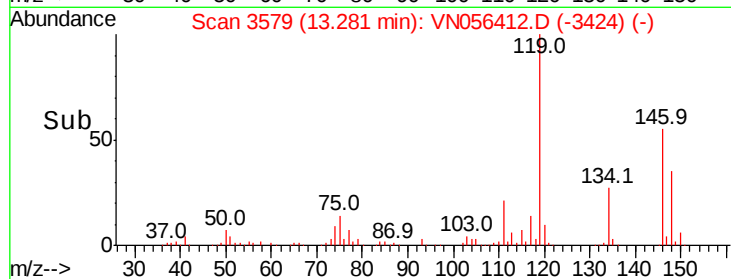
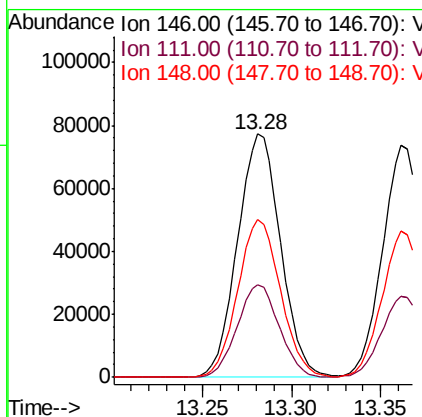
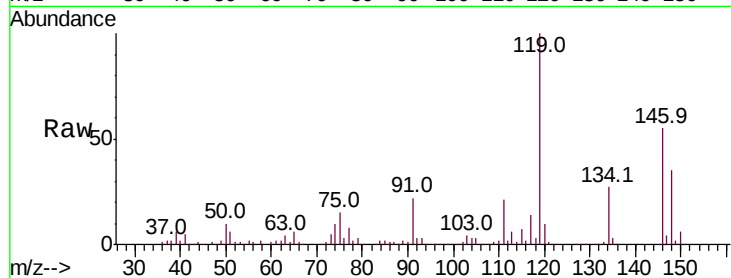




#83
 1,3-Dichlorobenzene
 Concen: 18.536 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

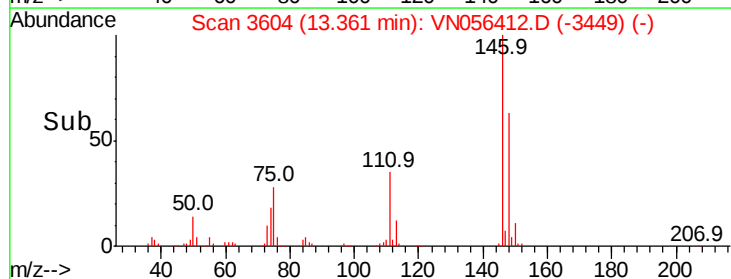
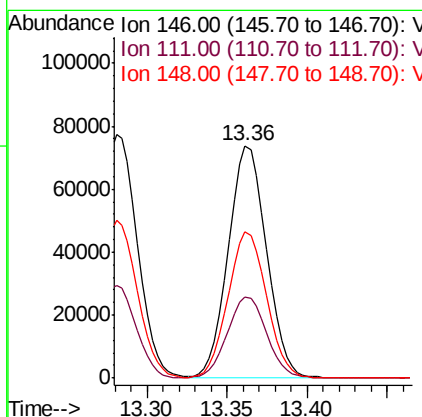
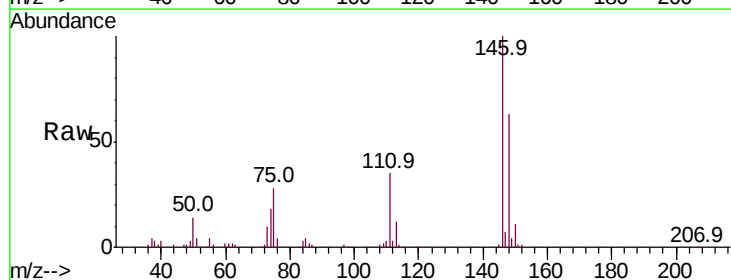
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

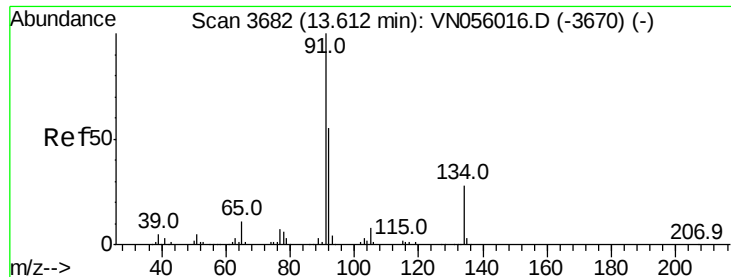
Tot Ion:146 Resp: 130415
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.2 54.6
 148 64.5 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.863 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion:146 Resp: 119719
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.6 52.9
 148 63.8 32.1 96.3

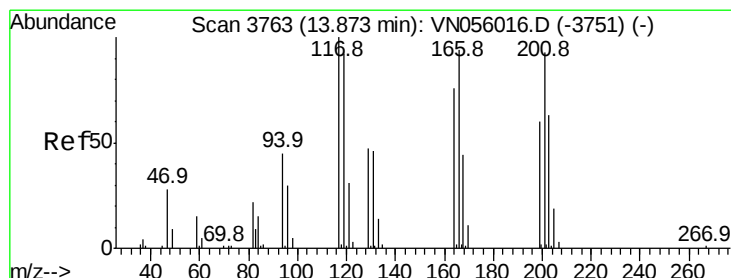
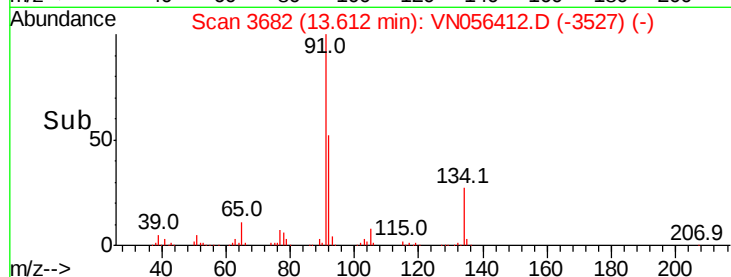
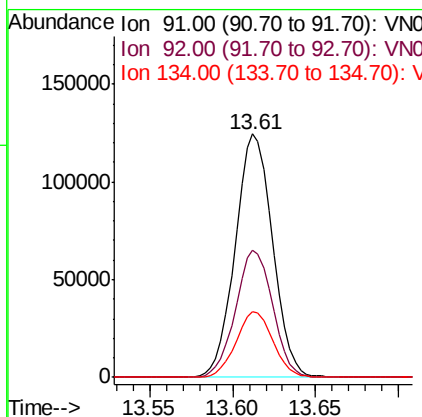
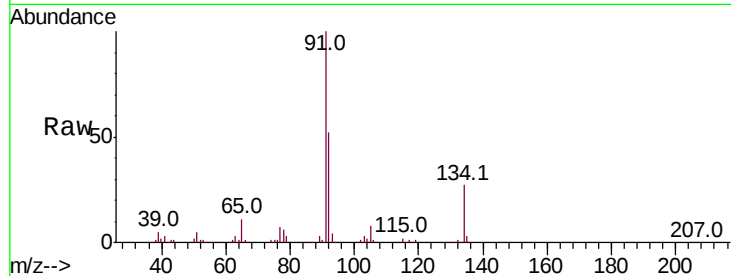




#85
n-Butylbenzene
Concen: 18.436 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

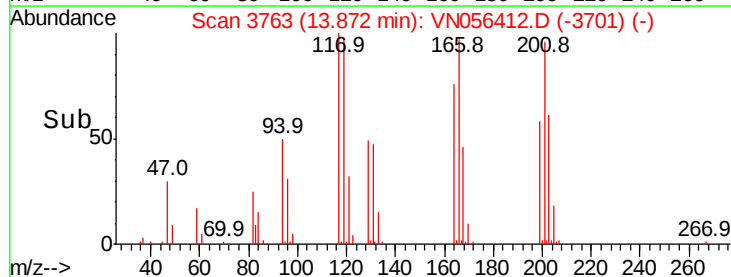
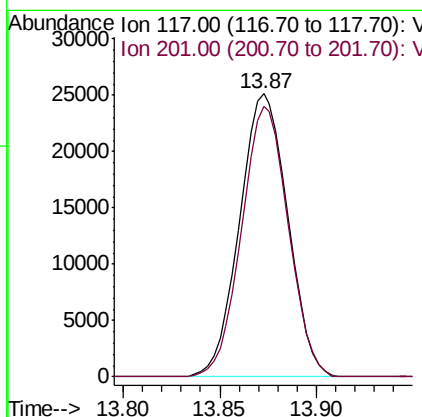
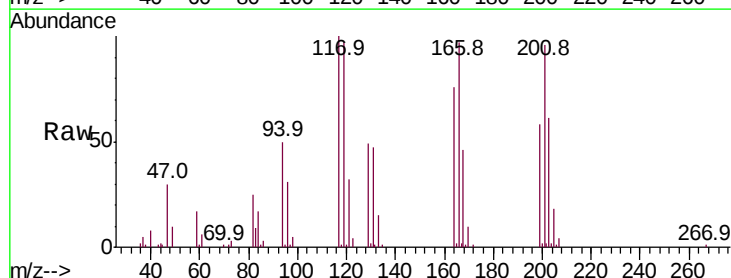
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

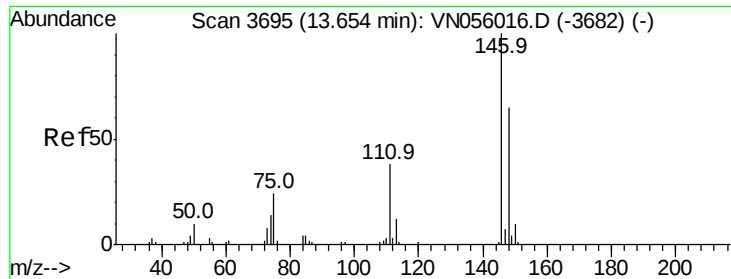
Tot Ion: 91 Resp: 195071
Ion Ratio Lower Upper
91 100
92 52.1 0.0 107.2
134 26.7 0.0 55.8



#86
Hexachloroethane
Concen: 19.741 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056412.D
Acq: 21 Jun 2019 9:35

Tgt Ion: 117 Resp: 43632
Ion Ratio Lower Upper
117 100
201 92.6 48.1 144.4





#87

1,2-Dichlorobenzene

Concen: 18.530 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

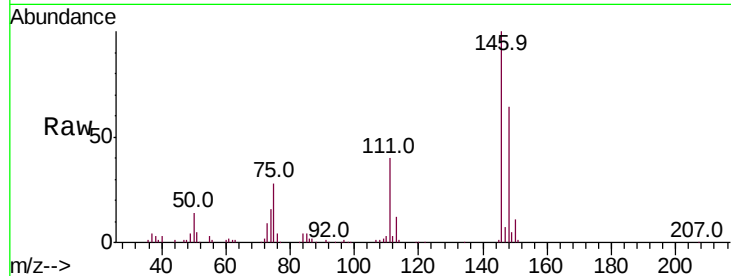
Tot Ion:146 Resp: 132521

Ion Ratio Lower Upper

146 100

111 39.7 19.3 57.9

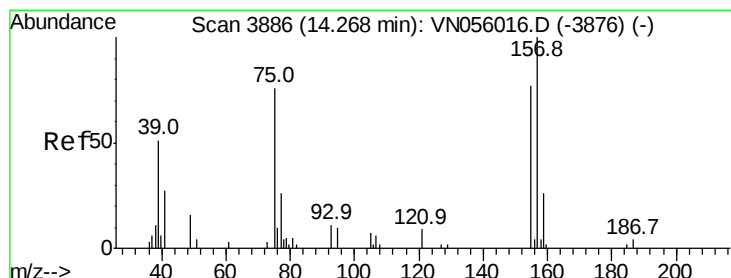
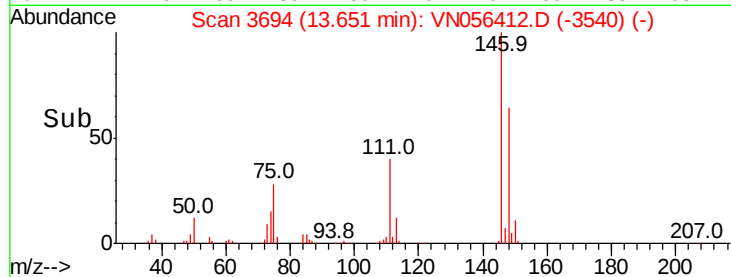
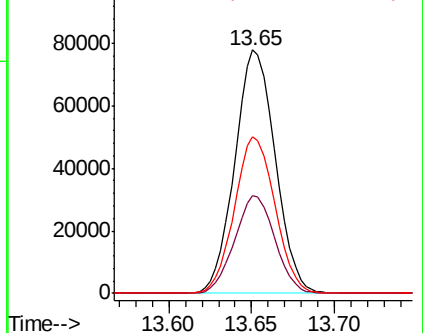
148 64.1 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.369 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

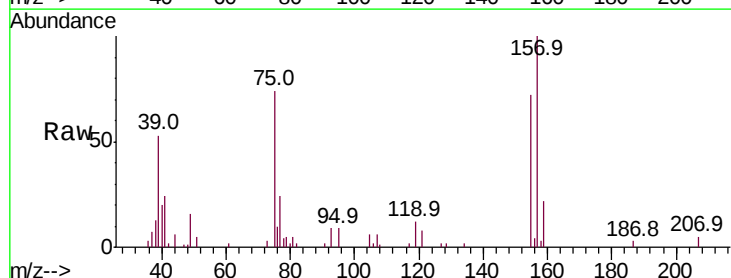
Tgt Ion: 75 Resp: 14787

Ion Ratio Lower Upper

75 100

155 91.8 82.5 123.7

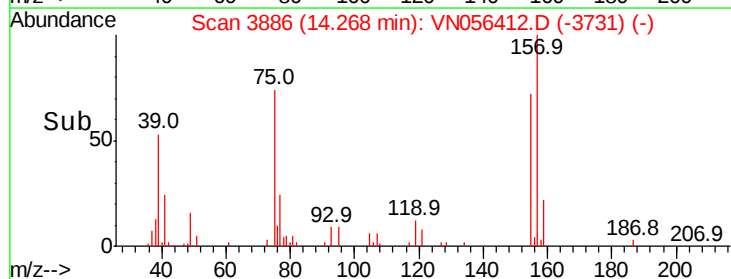
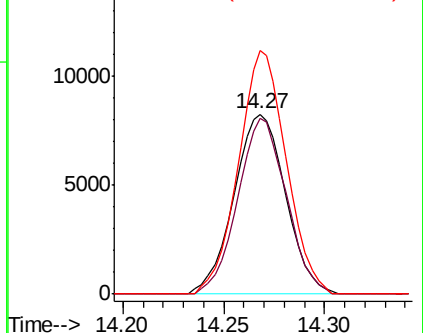
157 125.2 105.1 157.7

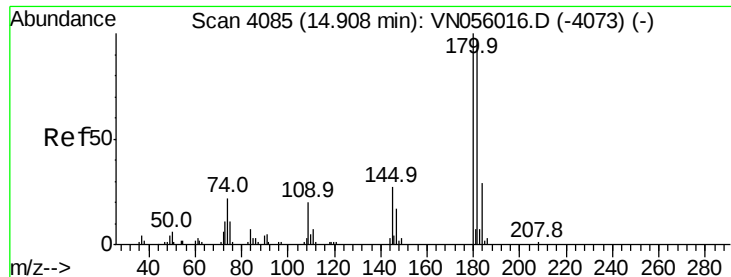


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

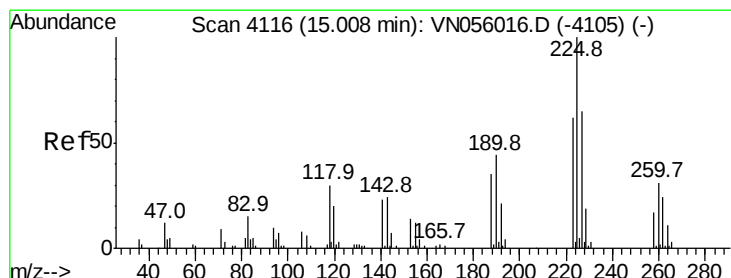
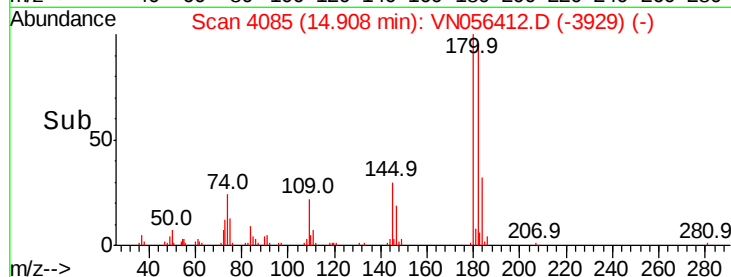
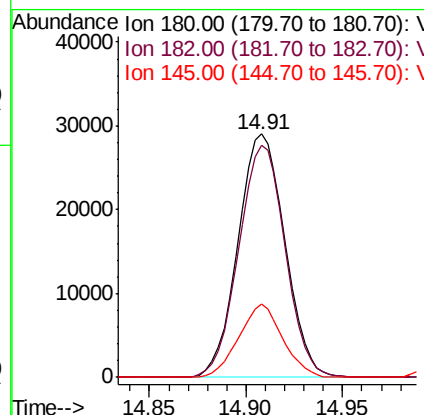
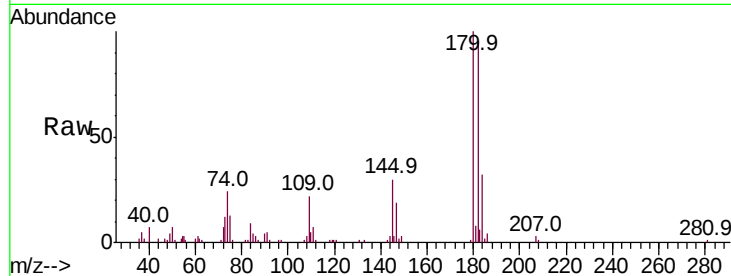




#89
 1,2,4-Trichlorobenzene
 Concen: 18.308 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

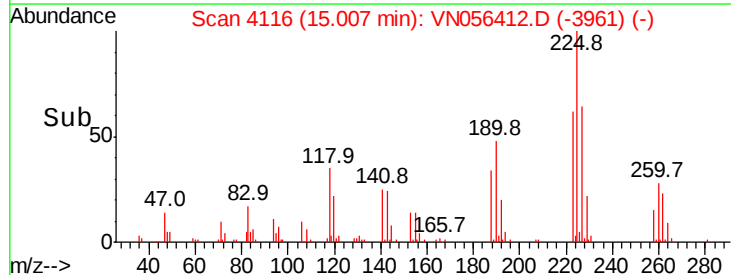
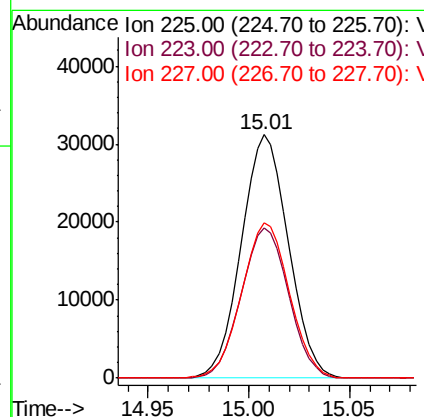
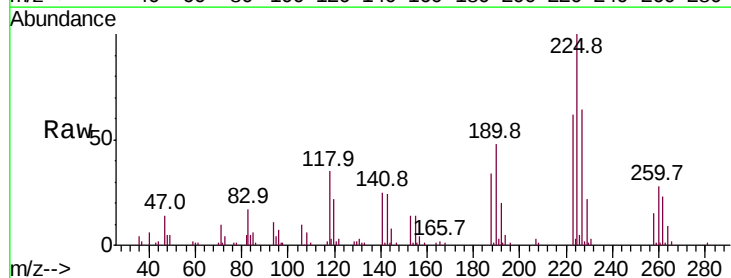
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

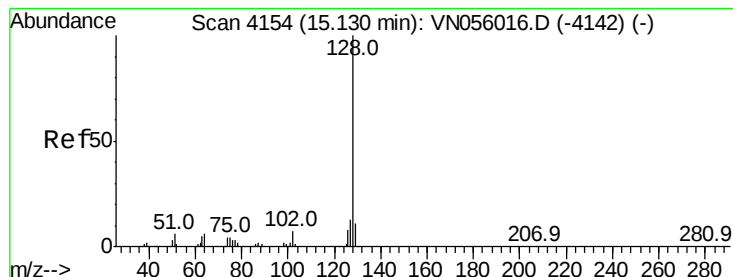
Tot Ion:180 Resp: 48927
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.0 112.6
 145 28.0 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 19.539 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056412.D
 Acq: 21 Jun 2019 9:35

Tgt Ion:225 Resp: 51012
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 125.6
 227 64.5 0.0 128.6





#91

Naphthalene

Concen: 14.600 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

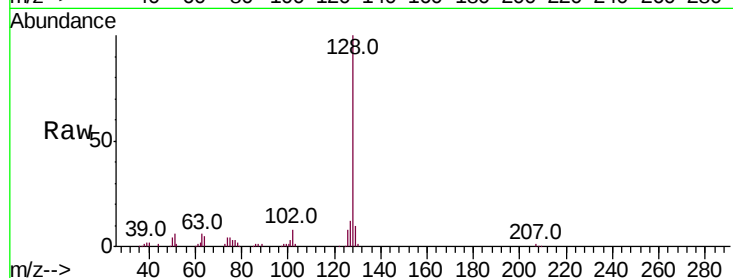
Tot Ion:128 Resp: 138677

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

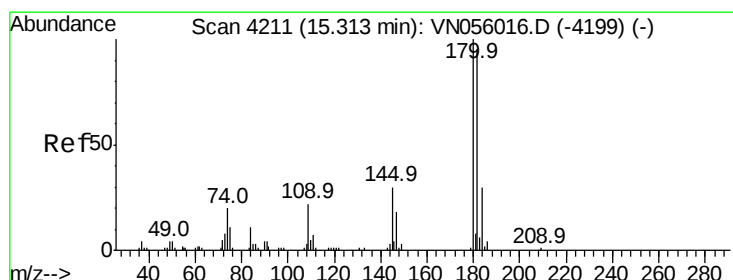
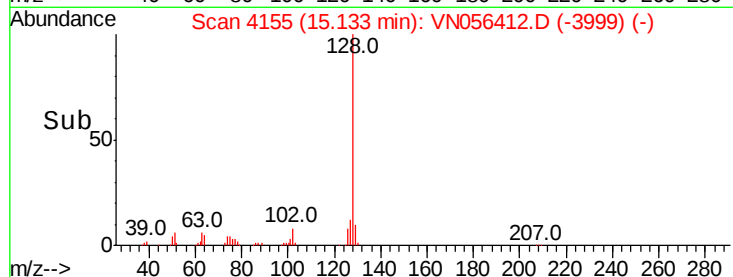
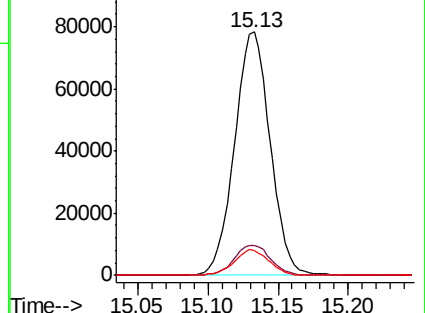
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.852 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056412.D

Acq: 21 Jun 2019 9:35

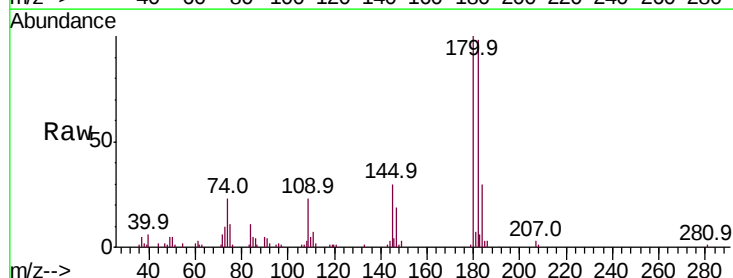
Tgt Ion:180 Resp: 59343

Ion Ratio Lower Upper

180 100

182 95.0 0.0 193.4

145 29.3 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

