

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055880.D
 Acq On : 29 May 2019 16:13
 Operator : JC/SP
 Sample : VN0529WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Quant Time: May 30 03:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53105	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	283956	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	247332	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103671	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	12.40	95	111674	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	10.09	98	343554	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	42845	18.401	ug/l 97
3) Chloromethane	2.06	50	62598	18.901	ug/l 99
4) Vinyl Chloride	2.18	62	66978	19.815	ug/l 100
5) Bromomethane	2.53	94	45168	22.823	ug/l 98
6) Chloroethane	2.68	64	41753	21.144	ug/l 95
7) Trichlorofluoromethane	3.00	101	87609	20.659	ug/l 99
8) Diethyl Ether	3.40	74	39714	21.303	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52872	19.732	ug/l 98
10) 1,1-Dichloroethene	3.72	96	55714	19.876	ug/l 93
11) Methyl Iodide	3.94	142	80242	20.067	ug/l 99
12) Methyl Acetate	4.33	43	69909	20.392	ug/l 99
13) Acrolein	3.60	56	38630	81.097	ug/l 100
14) Acrylonitrile	4.99	53	155496	99.488	ug/l 99
15) Acetone	3.82	58	42877	88.333	ug/l 95
16) Carbon Disulfide	4.04	76	137649	17.128	ug/l 99
17) Allyl chloride	4.31	41	91519	18.128	ug/l 95
18) Methylene Chloride	4.54	84	65778	20.490	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	59666	19.787	ug/l 97
20) Diisopropyl ether	5.95	45	191191	19.522	ug/l 99
21) 1,1-Dichloroethane	5.84	63	108833	19.663	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	70401	20.019	ug/l 95
23) tert-Butyl Alcohol	4.81	59	63227	92.112	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	186375	19.596	ug/l 98
25) Chloroform	7.37	83	108384	19.826	ug/l 100
26) Cyclohexane	7.65	56	96385	18.876	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	79986	20.121	ug/l 98
30) 2-Butanone	6.84	43	208759	98.529	ug/l 99
31) 2,2-Dichloropropane	6.82	77	74219	16.045	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	91890	19.503	ug/l 99
33) Carbon Tetrachloride	7.77	117	77638	18.420	ug/l 98
34) Benzene	8.04	78	255944	20.855	ug/l 100
35) Methacrylonitrile	7.17	41	38895	19.889	ug/l 99
36) 1,2-Dichloroethane	8.12	62	84621	21.099	ug/l 98
37) Trichloroethene	8.83	130	69625	20.333	ug/l 97
38) Methylcyclohexane	9.08	83	98882	19.634	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66628	20.195	ug/l 98
40) Dibromomethane	9.21	93	43693	20.509	ug/l 96

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 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	82913	18.989	ug/l	98
42) Vinyl Acetate	5.90	43	801555	97.439	ug/l	100
43) Ethyl Acetate	6.93	43	74997	18.008	ug/l #	100
44) Isopropyl Acetate	8.17	43	133480	19.355	ug/l #	86
45) 1,4-Dioxane	9.20	88	27688	426.760	ug/l	99
46) Methyl methacrylate	9.20	41	66022	20.519	ug/l	98
47) n-amyl Acetate	12.07	43	104853	18.382	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	82959	17.212	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	95495	18.102	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	63597	20.506	ug/l	97
51) Ethyl methacrylate	10.43	69	96626	19.329	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104793	20.499	ug/l	100
53) Dibromochloromethane	10.90	129	64847	17.699	ug/l	100
54) 1,2-Dibromoethane	11.00	107	64830	20.200	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	168879	86.825	ug/l	99
56) Bromoform	12.13	173	46363	15.427	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	422844	103.272	ug/l	99
59) 2-Hexanone	10.75	43	289523	98.908	ug/l	100
61) Tetrachloroethene	10.63	164	71511	21.359	ug/l	98
62) Toluene	10.16	91	280571	21.095	ug/l	99
64) Chlorobenzene	11.43	112	168000	20.823	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	62137	19.115	ug/l	98
66) Ethyl Benzene	11.51	91	298228	20.522	ug/l	100
67) m/p-Xylenes	11.62	106	227573	41.223	ug/l	99
68) o-Xylene	11.95	106	111546	20.419	ug/l	99
69) Styrene	11.96	104	179377	19.902	ug/l	99
70) Isopropylbenzene	12.25	105	295258	20.657	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	89539	20.355	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	104859	27.697	ug/l	68
73) Bromobenzene	12.53	156	75133	19.869	ug/l	99
74) n-propylbenzene	12.59	91	309403	20.071	ug/l	100
75) 2-Chlorotoluene	12.67	91	191498	20.336	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	240158	20.327	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	21732	14.451	ug/l	85
78) 4-Chlorotoluene	12.77	91	175153	19.626	ug/l	99
79) tert-butylbenzene	12.99	119	213894	20.593	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	232426	19.817	ug/l	100
81) sec-Butylbenzene	13.17	105	271751	20.592	ug/l	99
82) p-Isopropyltoluene	13.29	119	240017	19.762	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	113076	19.076	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	103657	18.362	ug/l	99
85) n-Butylbenzene	13.61	91	171929	18.196	ug/l	99
86) Hexachloroethane	13.87	117	39334	16.466	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	116484	19.515	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13969	16.755	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	47660	14.792	ug/l	98
90) Hexachlorobutadiene	15.01	225	42921	17.854	ug/l	97
91) Naphthalene	15.13	128	138490	15.732	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	55823	16.578	ug/l	98

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Instrument :
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Quant Time: May 30 03:40:37 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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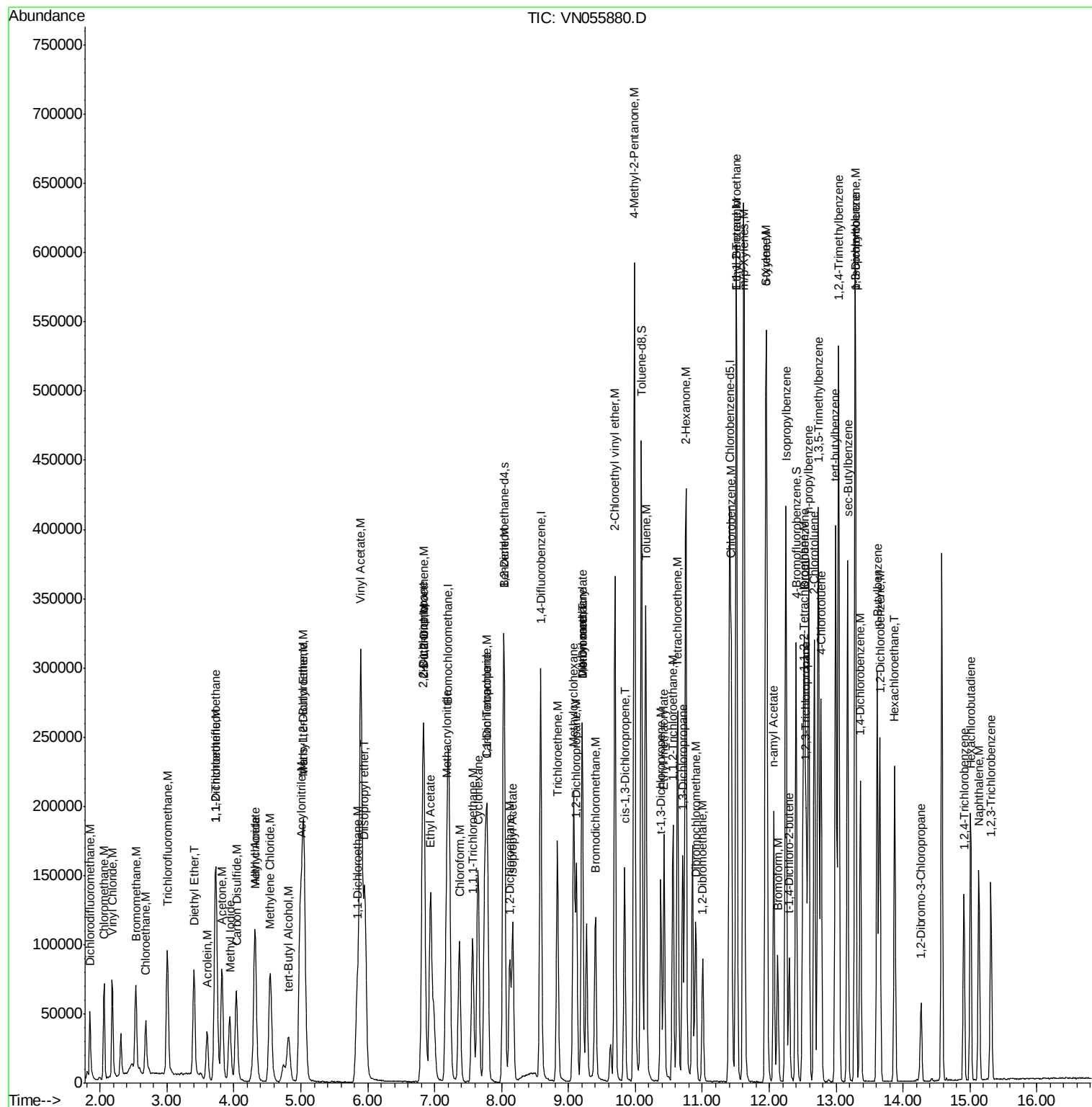
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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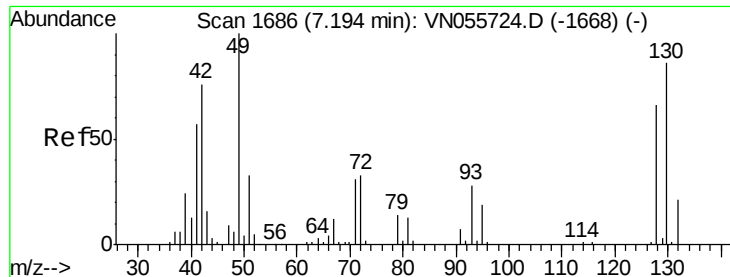
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN055880.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Quant Time: May 30 03:40:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

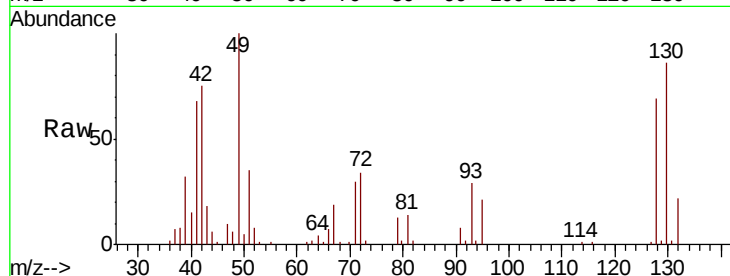
Tot Ion:128 Resp: 53105

Ion Ratio Lower Upper

128 100

49 147.2 0.0 383.2

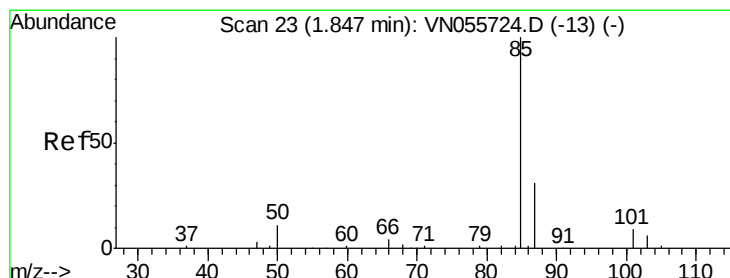
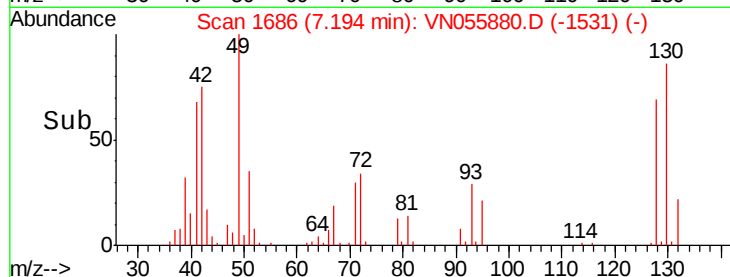
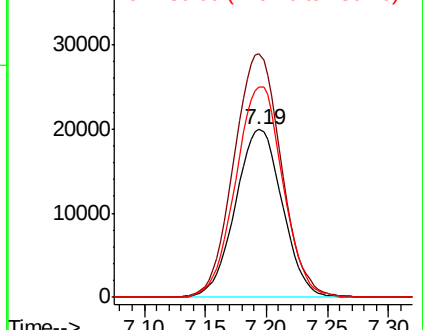
130 126.8 0.0 326.3



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: 18.401 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055880.D

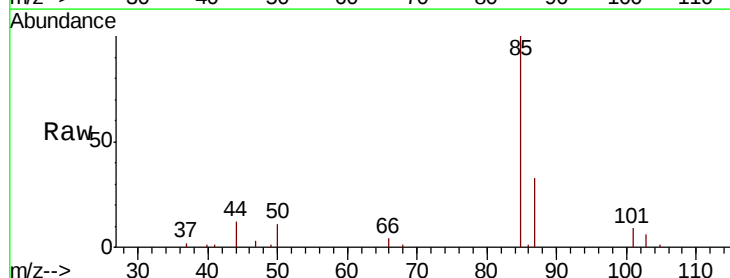
Acq: 29 May 2019 16:13

Tgt Ion: 85 Resp: 42845

Ion Ratio Lower Upper

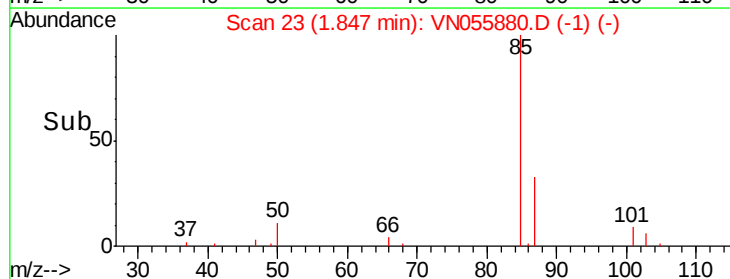
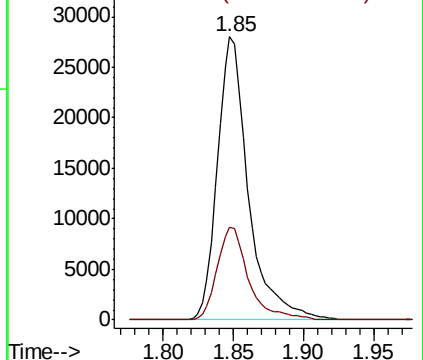
85 100

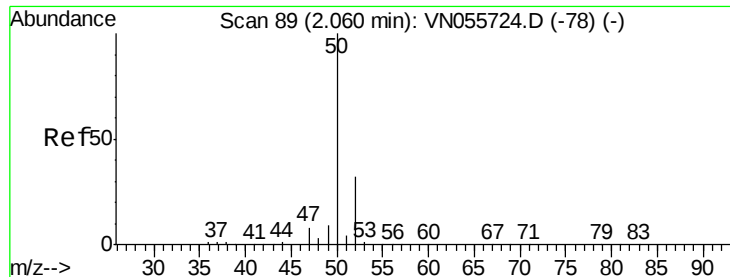
87 32.8 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.901 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

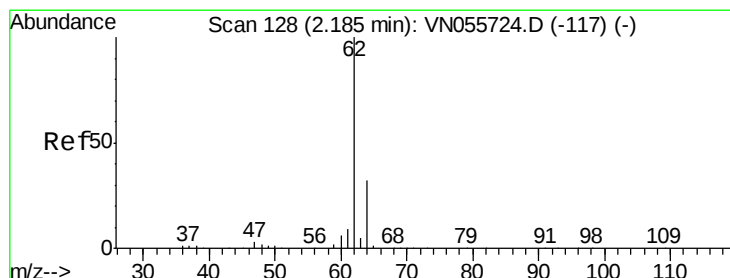
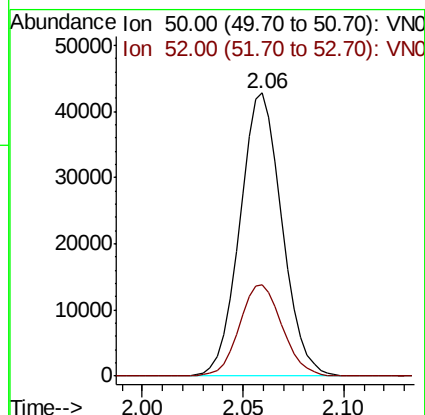
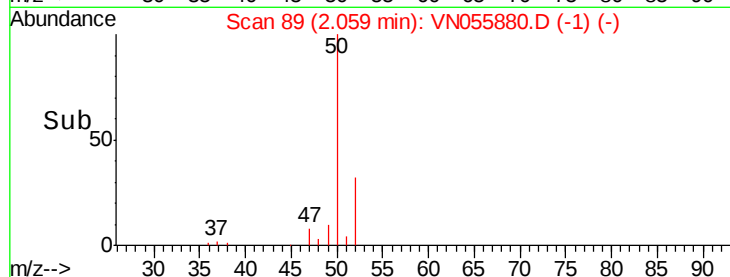
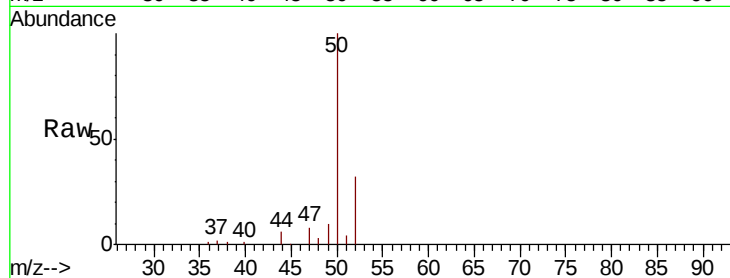
VN0529WBSD01

Tot Ion: 50 Resp: 62598

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2



#4

Vinyl Chloride

Concen: 19.815 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055880.D

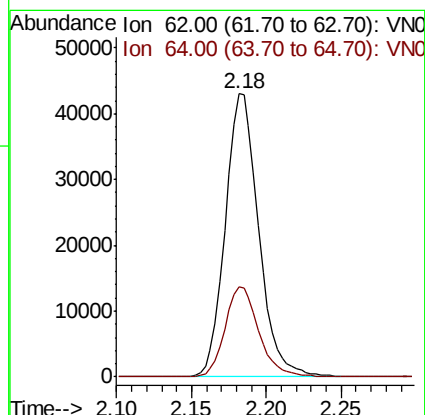
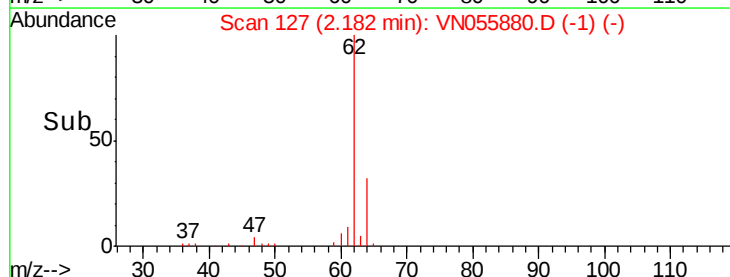
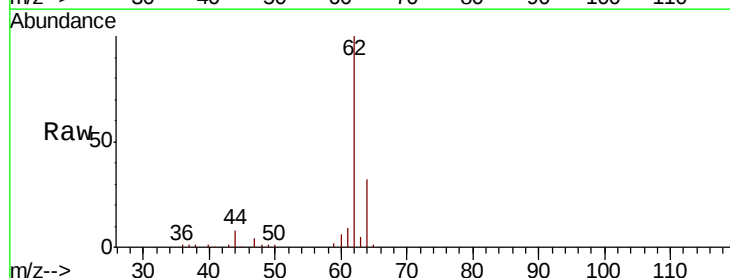
Acq: 29 May 2019 16:13

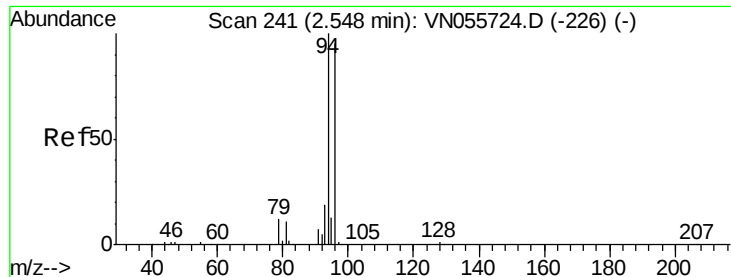
Tgt Ion: 62 Resp: 66978

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 22.823 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.02 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

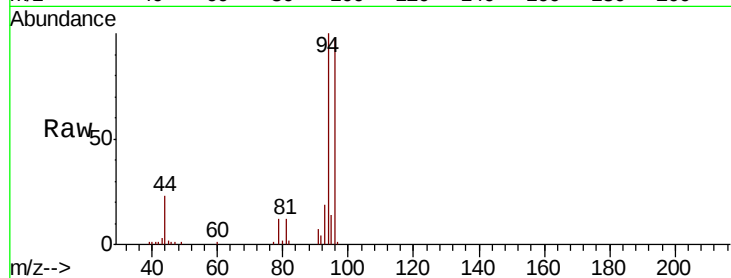
VN0529WBSD01

Tot Ion: 94 Resp: 45168

Ion Ratio Lower Upper

94 100

96 96.6 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055724.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN055724.D (-226) (-)

2.53

25000

20000

15000

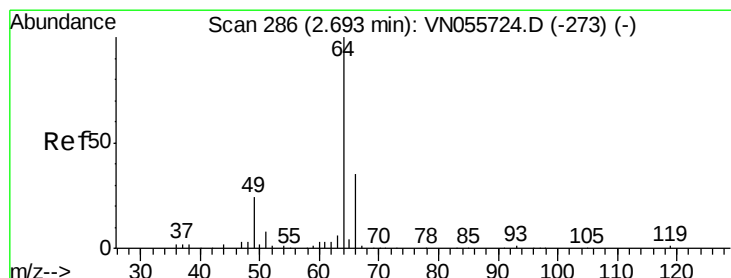
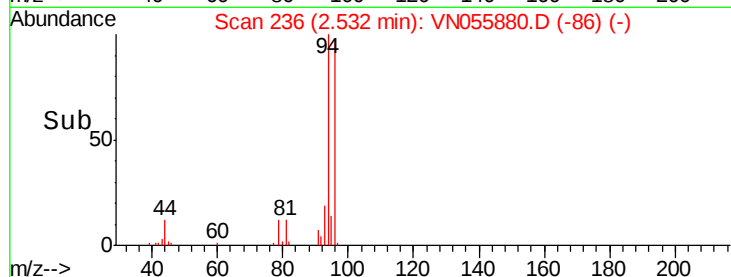
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 21.144 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055880.D

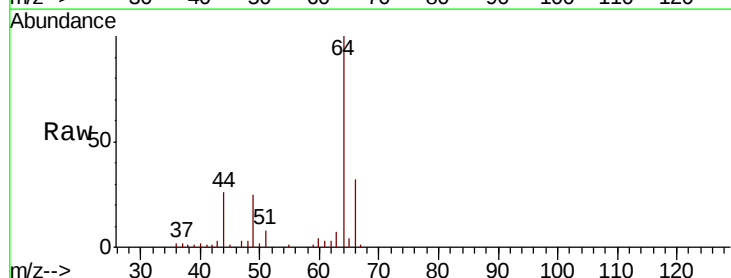
Acq: 29 May 2019 16:13

Tgt Ion: 64 Resp: 41753

Ion Ratio Lower Upper

64 100

66 31.8 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055724.D (-273) (-)

Ion 66.00 (65.70 to 66.70): VN055724.D (-273) (-)

2.68

20000

15000

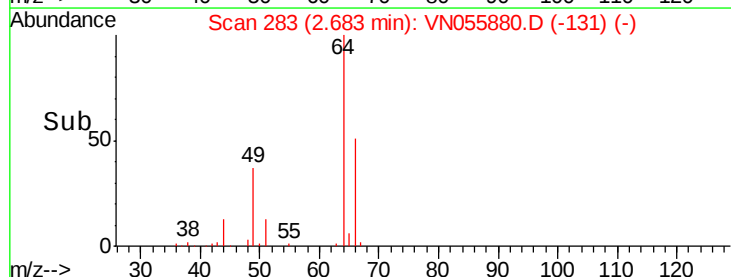
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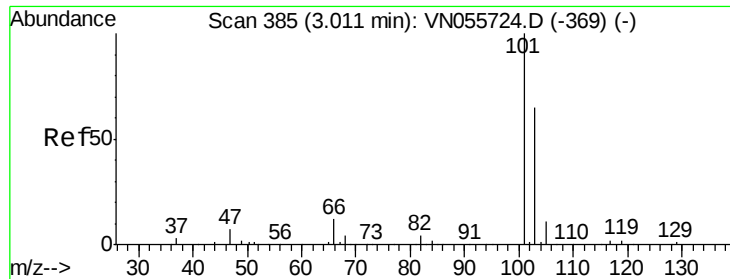
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



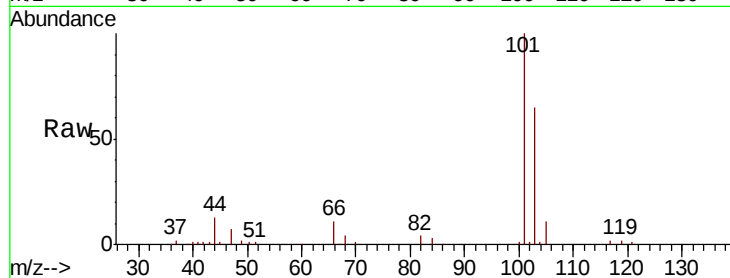


#7

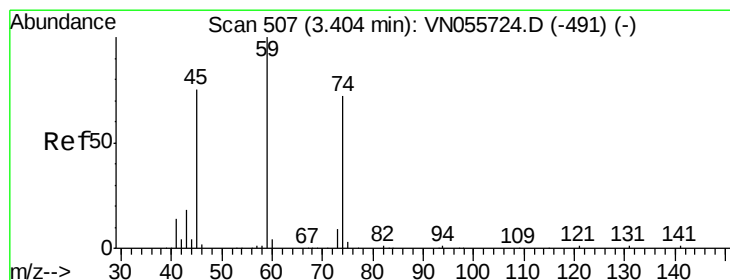
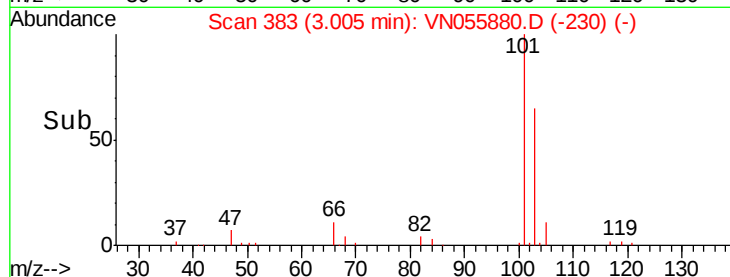
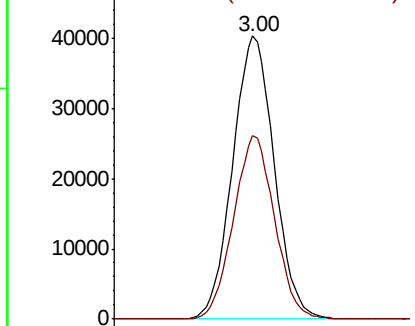
Trichlorofluoromethane
 Concen: 20.659 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion:101 Resp: 87609
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8



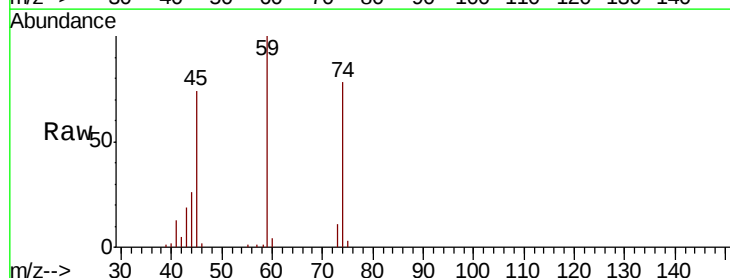
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



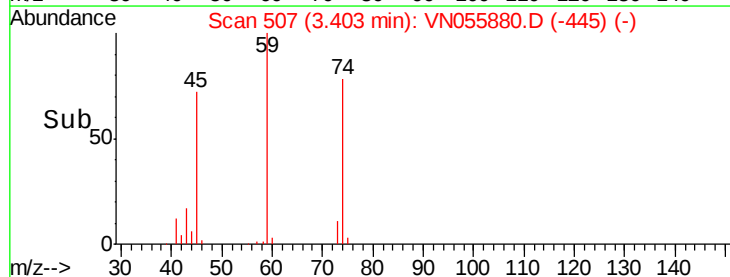
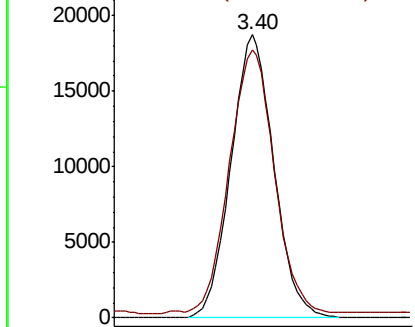
#8

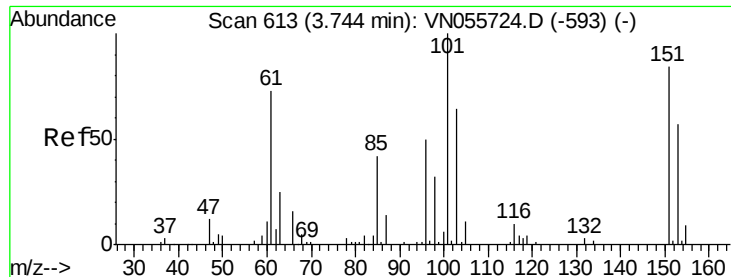
Diethyl Ether
 Concen: 21.303 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 74 Resp: 39714
 Ion Ratio Lower Upper
 74 100
 45 97.0 20.4 184.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.732 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

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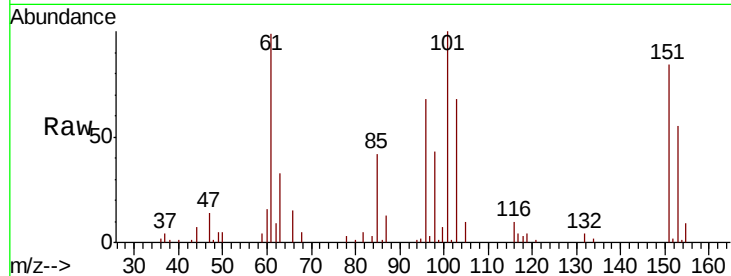
Tot Ion:101 Resp: 52872

Ion Ratio Lower Upper

101 100

85 42.4 0.0 86.6

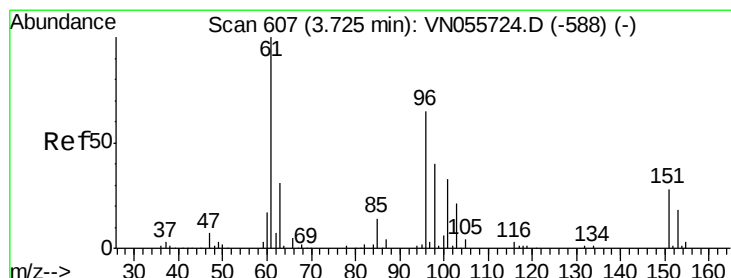
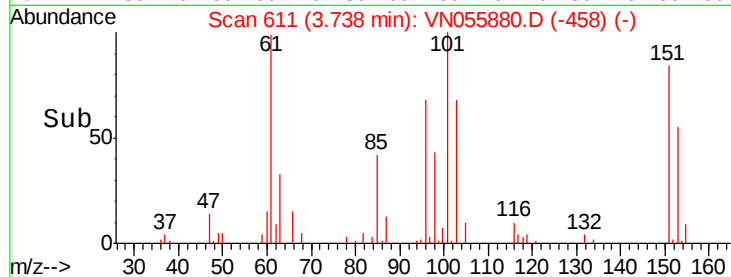
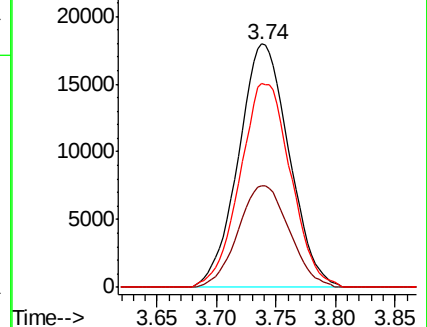
151 84.1 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.876 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

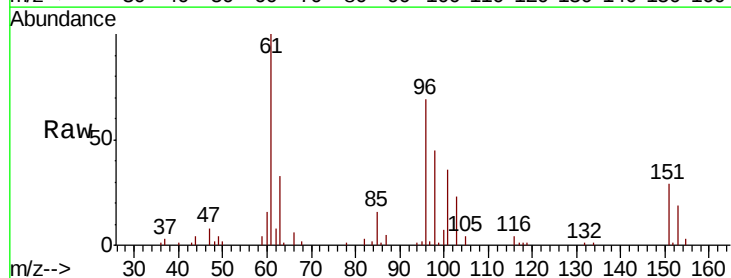
Tgt Ion: 96 Resp: 55714

Ion Ratio Lower Upper

96 100

61 143.9 123.7 185.5

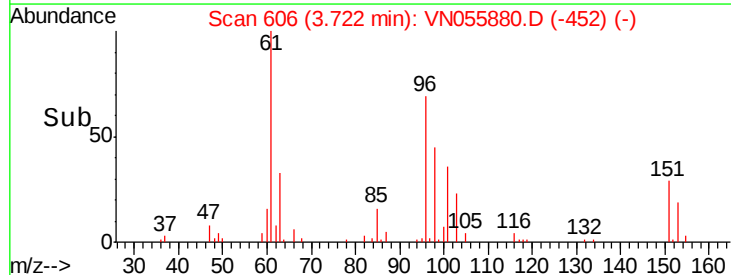
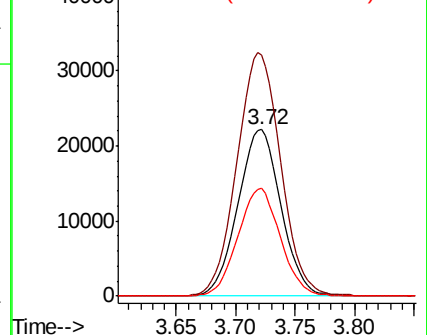
98 65.0 50.0 75.0

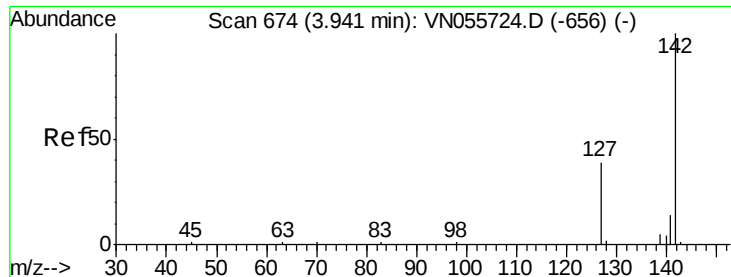


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

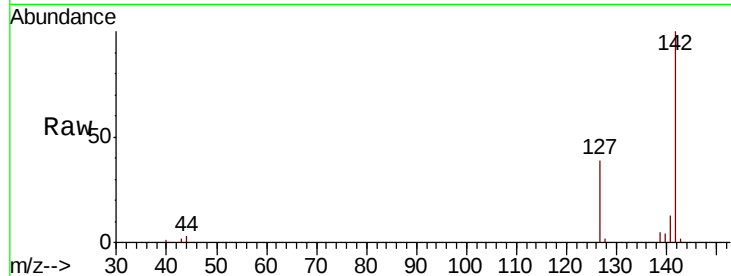




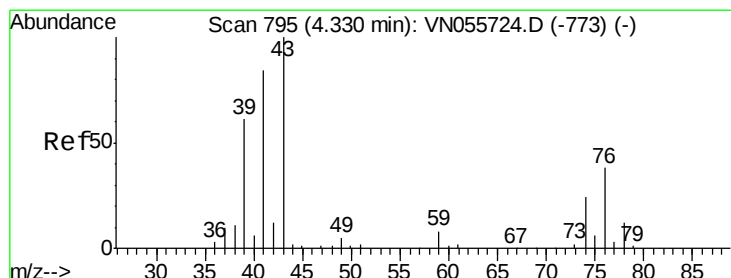
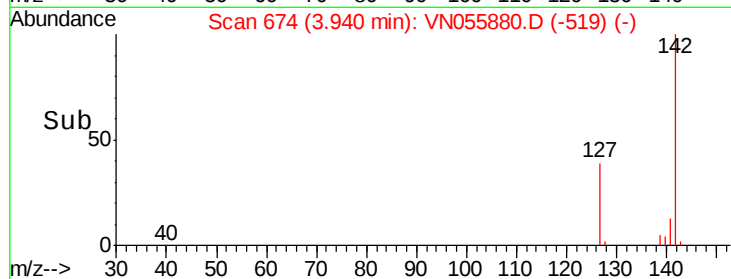
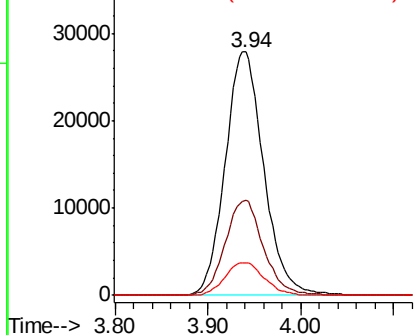
#11
Methyl Iodide
Concen: 20.067 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion:142 Resp: 80242
Ion Ratio Lower Upper
142 100
127 39.3 19.6 58.7
141 13.2 6.9 20.6

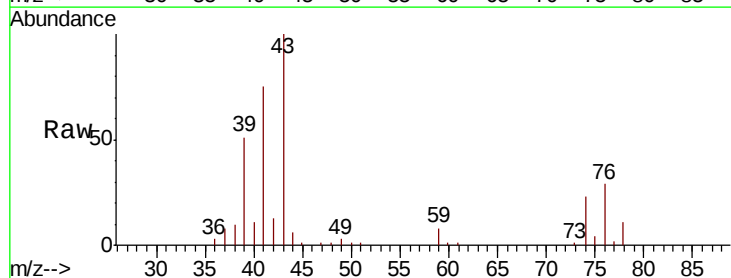


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

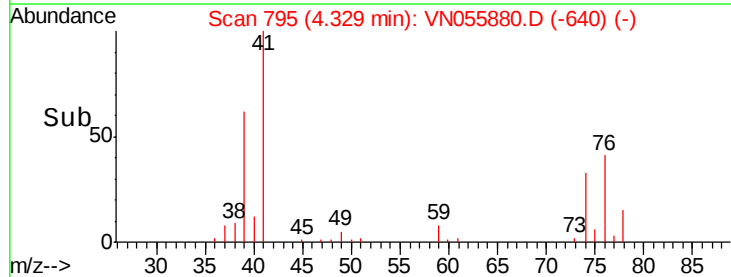
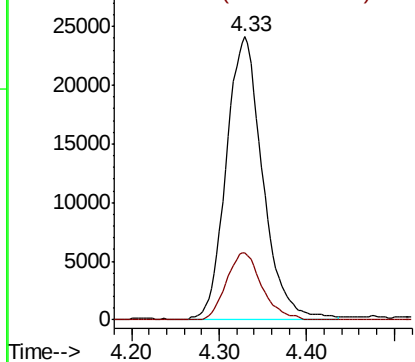


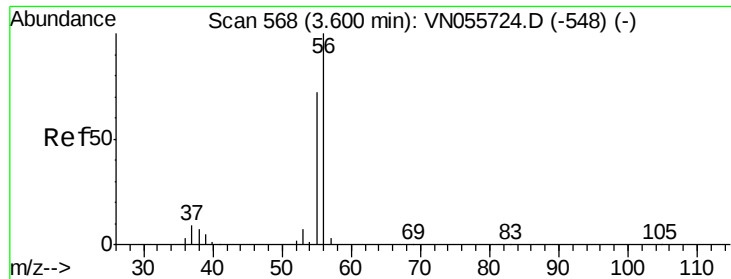
#12
Methyl Acetate
Concen: 20.392 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 43 Resp: 69909
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V

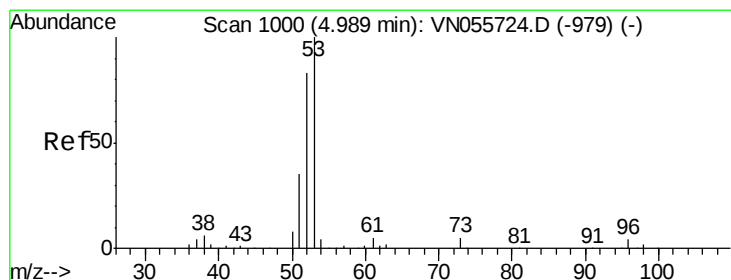
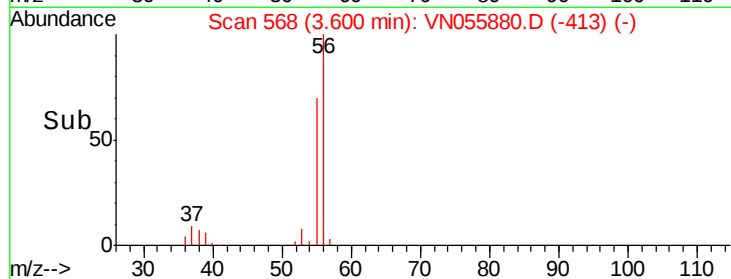
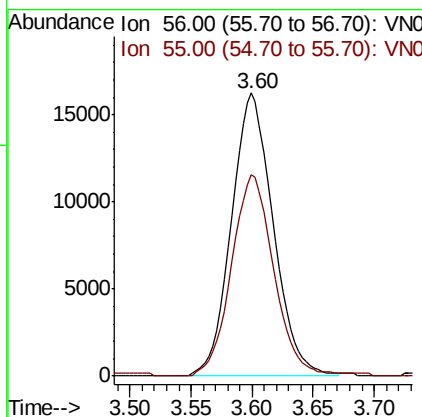
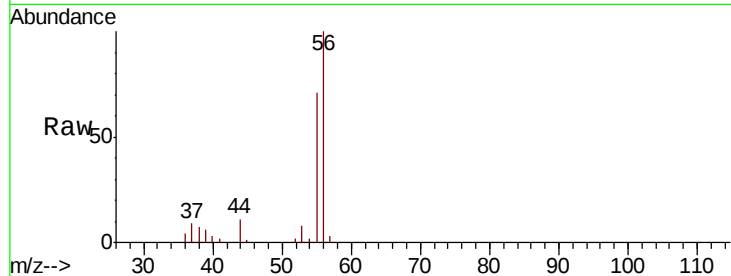




#13
Acrolein
Concen: 81.097 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

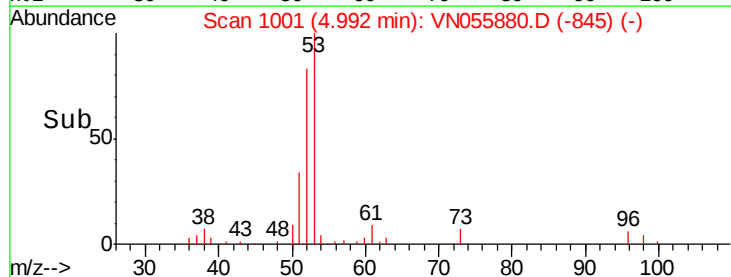
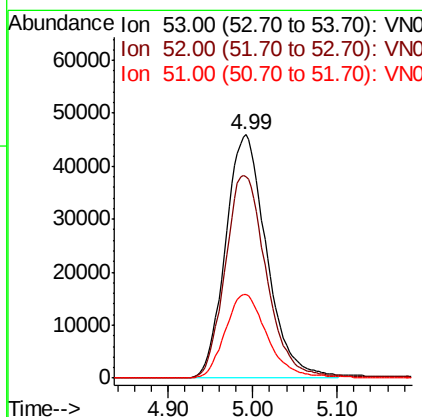
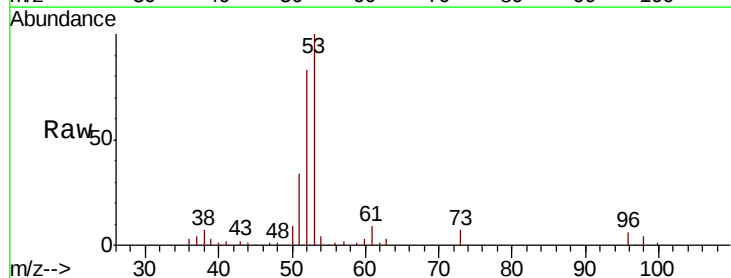
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

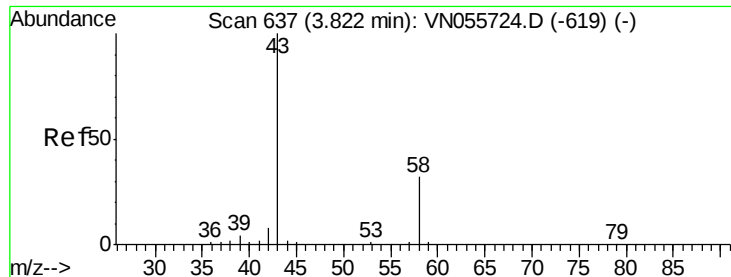
Tot Ion: 56 Resp: 38630
Ion Ratio Lower Upper
56 100
55 71.5 57.0 85.6



#14
Acrylonitrile
Concen: 99.488 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 53 Resp: 155496
Ion Ratio Lower Upper
53 100
52 83.3 41.1 123.4
51 35.2 17.5 52.6





#15

Acetone

Concen: 88.333 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

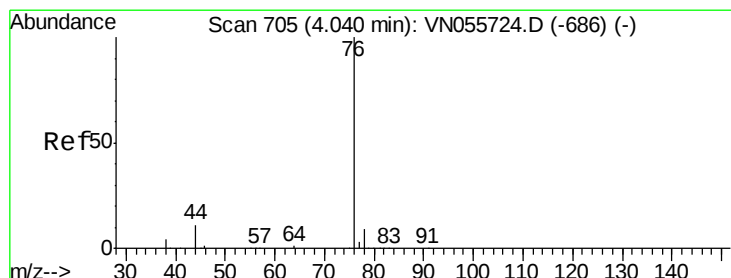
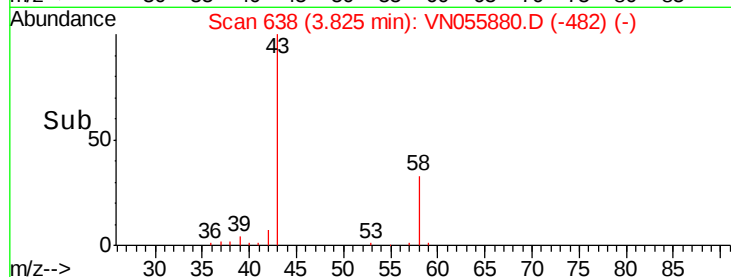
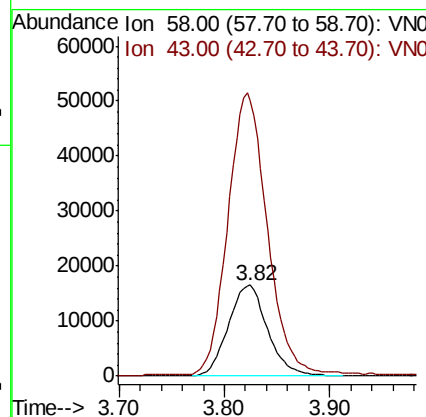
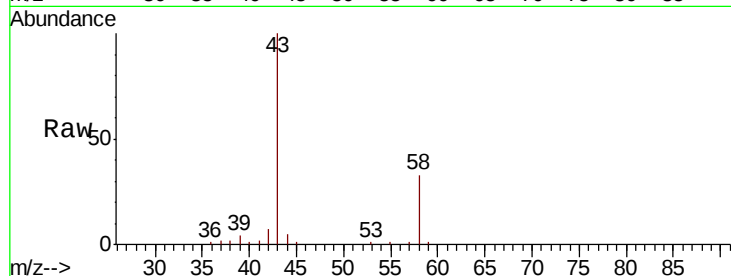
VN0529WBSD01

Tot Ion: 58 Resp: 42877

Ion Ratio Lower Upper

58 100

43 301.7 248.8 373.2



#16

Carbon Disulfide

Concen: 17.128 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055880.D

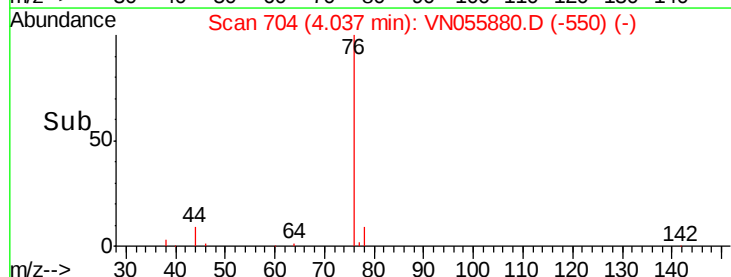
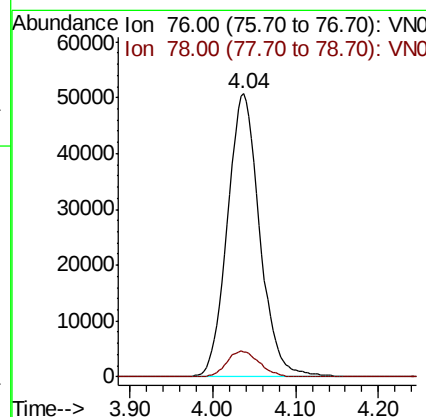
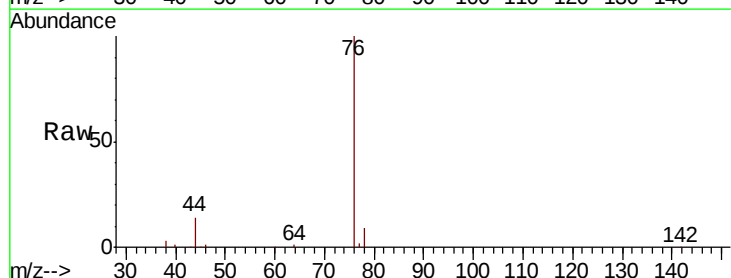
Acq: 29 May 2019 16:13

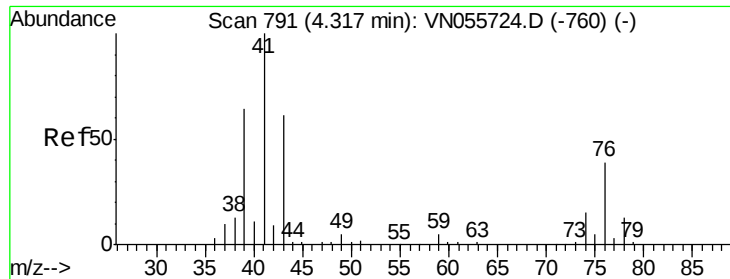
Tgt Ion: 76 Resp: 137649

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#17

Allvl chloride

Concen: 18.128 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

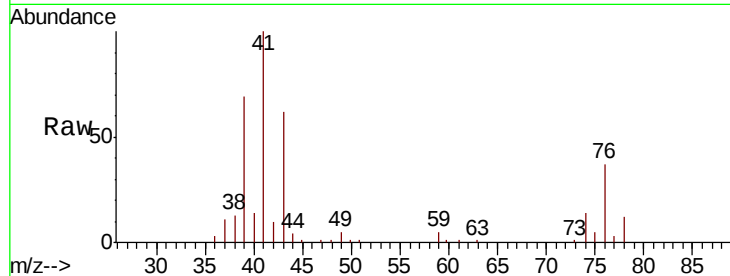
Tot Ion: 41 Resp: 91519

Ion Ratio Lower Upper

41 100

39 68.7 31.8 95.3

76 36.7 19.3 57.9

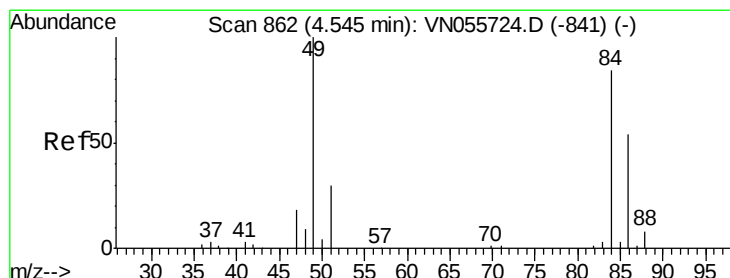
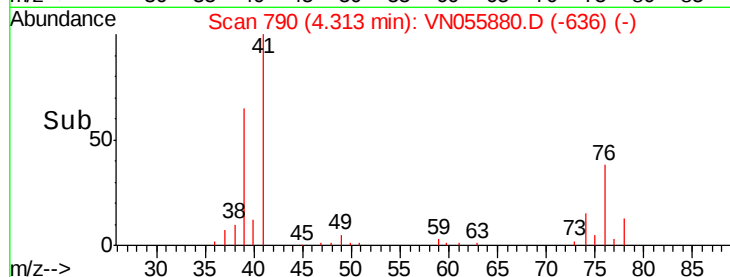
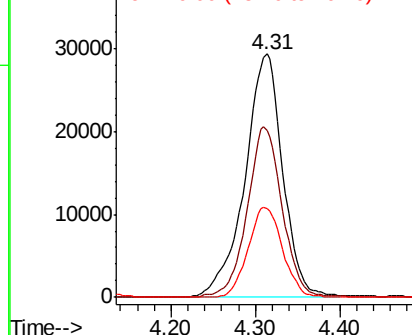


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.490 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion: 84 Resp: 65778

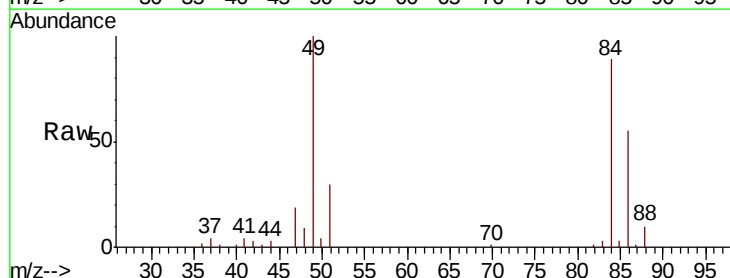
Ion Ratio Lower Upper

84 100

49 112.1 94.7 142.1

51 33.7 28.6 43.0

86 62.4 51.0 76.6



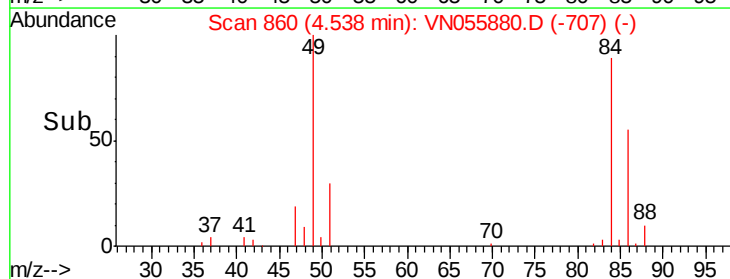
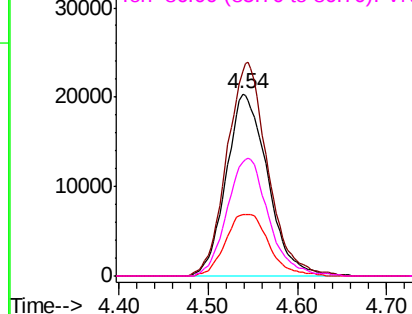
Abundance

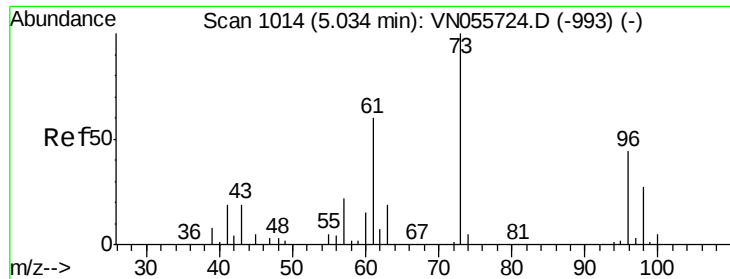
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

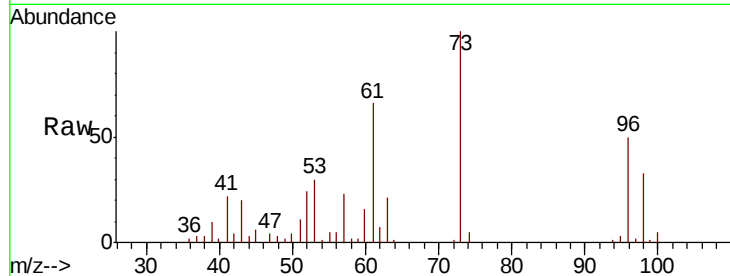




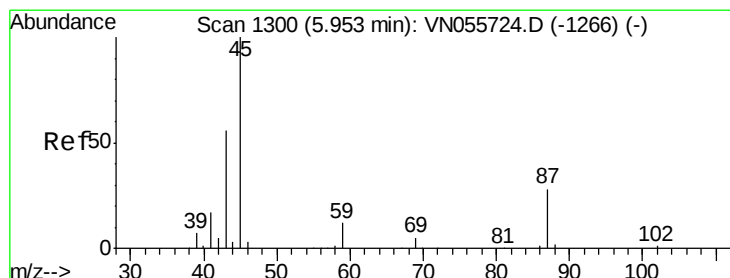
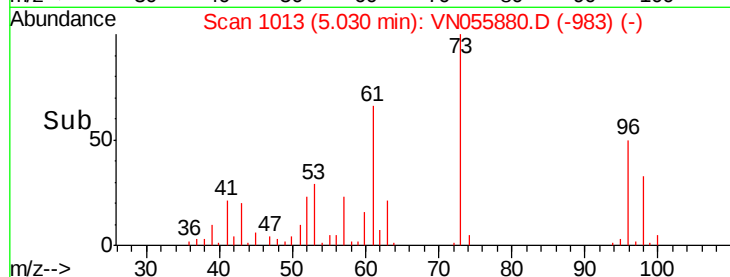
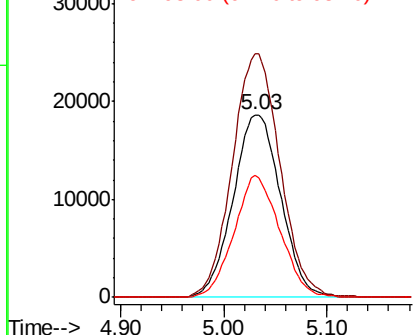
#19
trans-1,2-Dichloroethene
Concen: 19.787 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion: 96 Resp: 59666
Ion Ratio Lower Upper
96 100
61 133.6 108.5 162.7
98 67.1 49.4 74.2

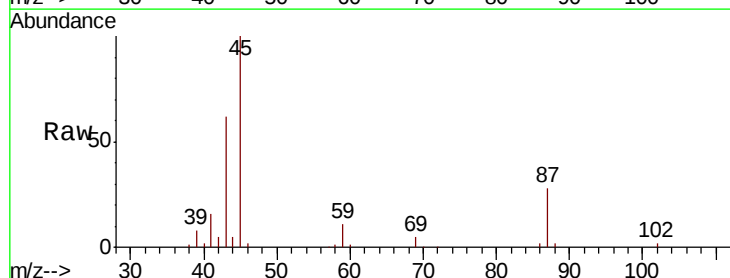


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

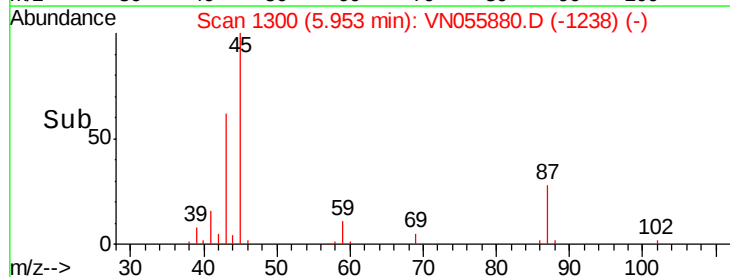
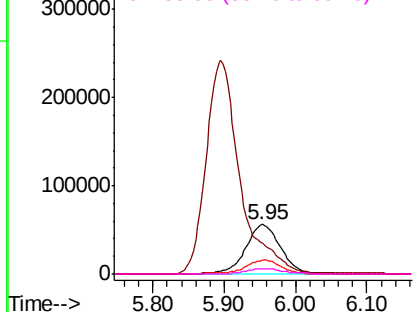


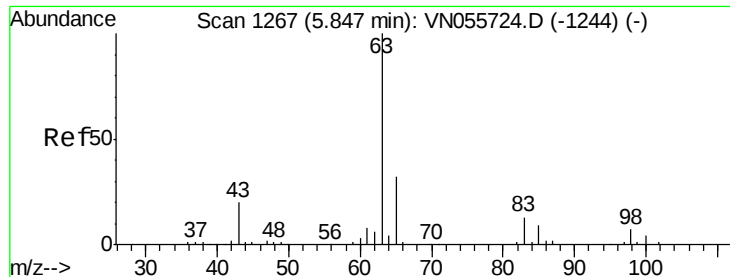
#20
Diisopropyl ether
Concen: 19.522 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 45 Resp: 191191
Ion Ratio Lower Upper
45 100
43 60.3 48.6 73.0
87 27.4 22.6 34.0
59 11.0 9.4 14.2



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: 19.663 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

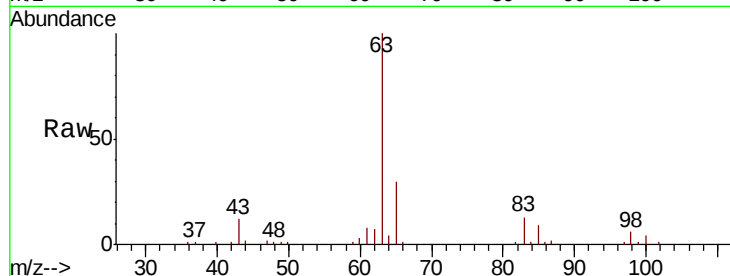
Tot Ion: 63 Resp: 108833

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

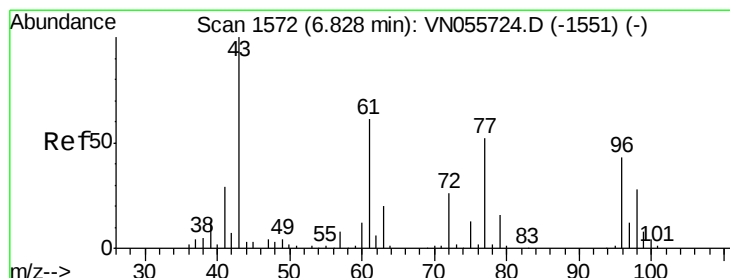
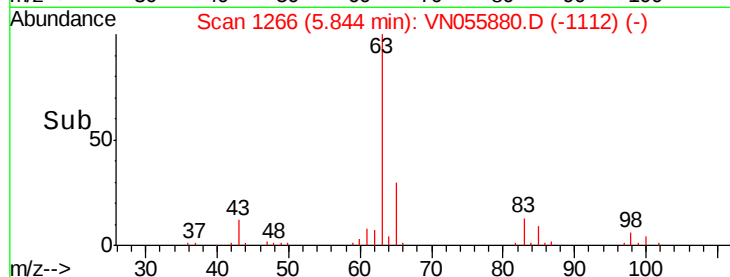
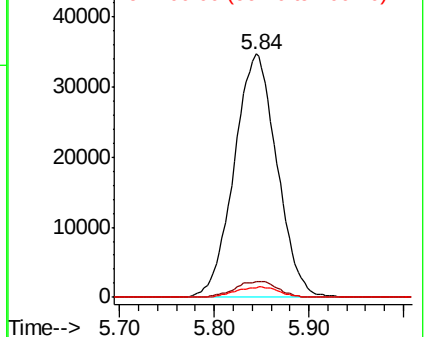
100 4.1 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.019 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

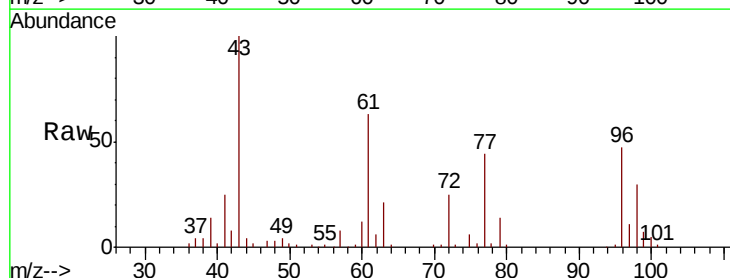
Tgt Ion: 96 Resp: 70401

Ion Ratio Lower Upper

96 100

61 135.6 115.7 173.5

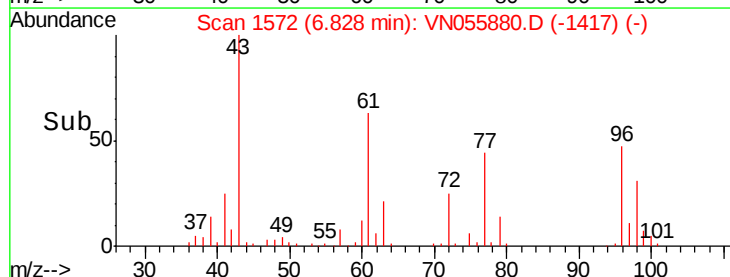
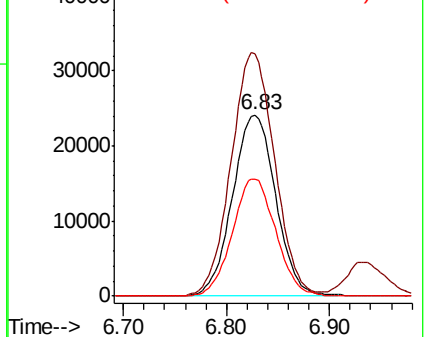
98 64.7 51.5 77.3

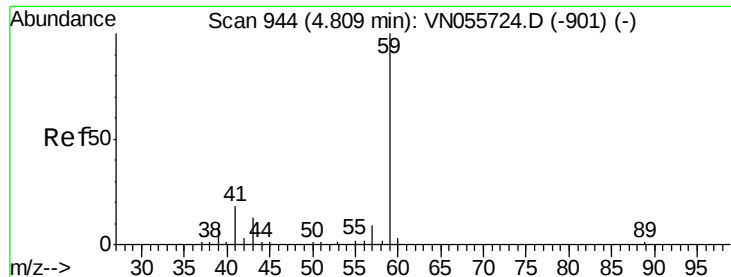


Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)





#23

tert-Butyl Alcohol

Concen: 92.112 ug/l

RT: 4.81 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

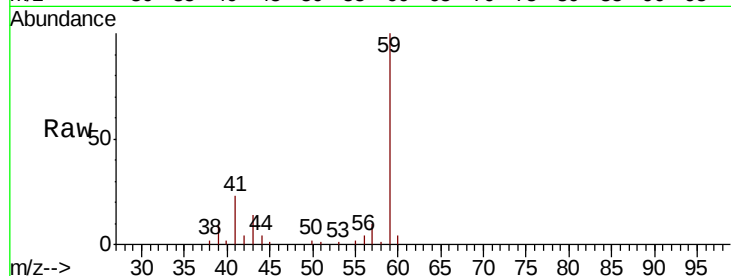
VN0529WBSD01

Tot Ion: 59 Resp: 63227

Ion Ratio Lower Upper

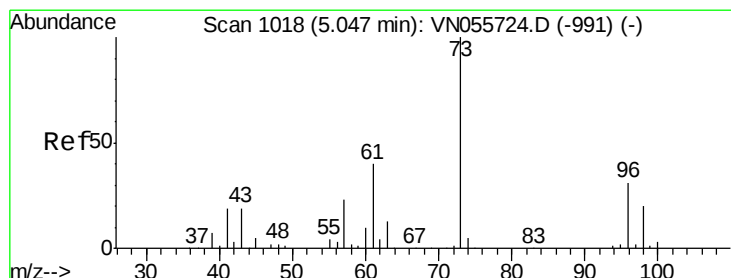
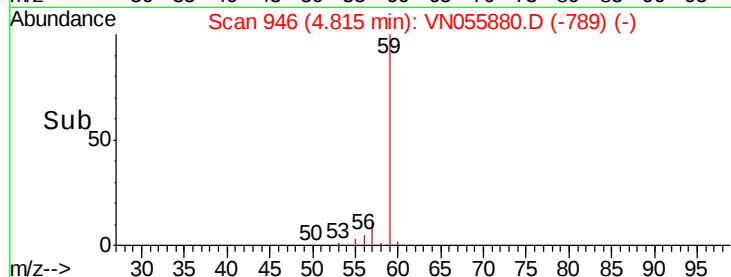
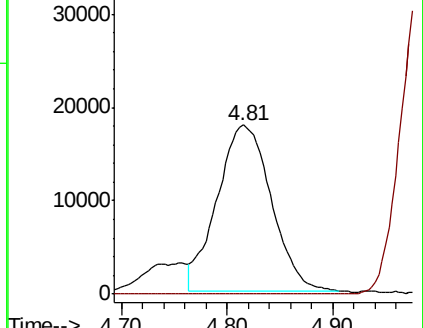
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055724.D (-901) (-)

Ion 52.00 (51.70 to 52.70): VN055724.D (-901) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.596 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055880.D

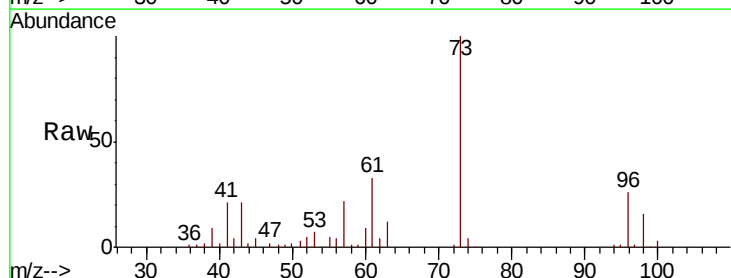
Acq: 29 May 2019 16:13

Tgt Ion: 73 Resp: 186375

Ion Ratio Lower Upper

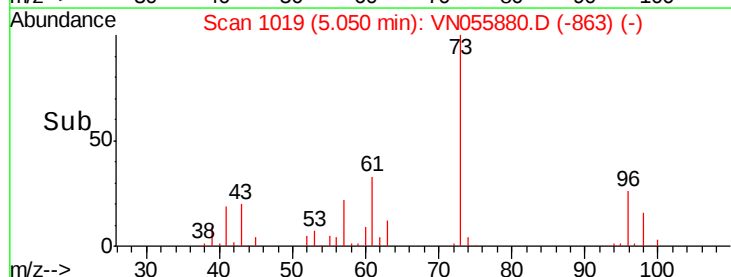
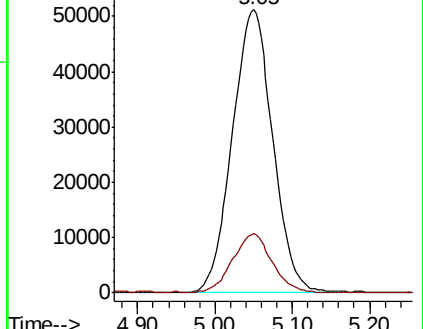
73 100

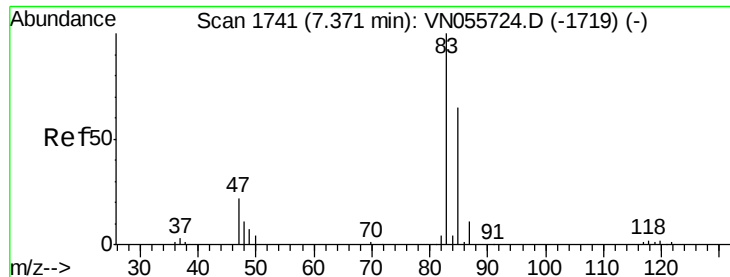
43 20.4 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN055724.D (-991) (-)

Ion 43.00 (42.70 to 43.70): VN055724.D (-991) (-)

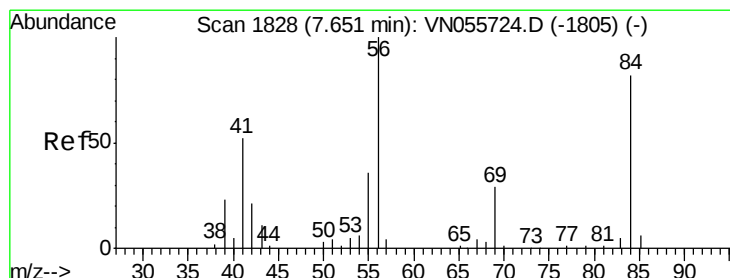
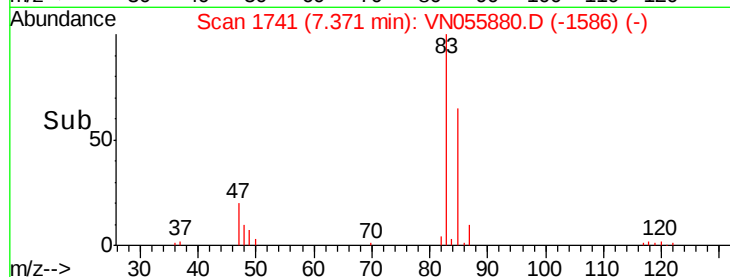
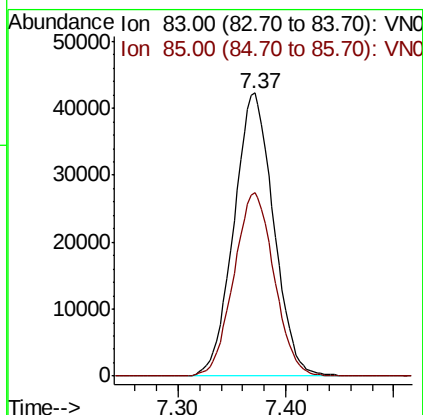
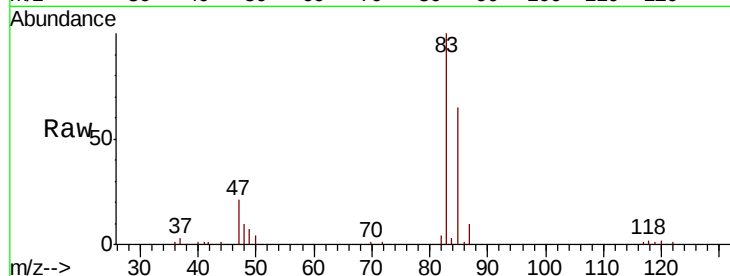




#25
Chloroform
Concen: 19.826 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

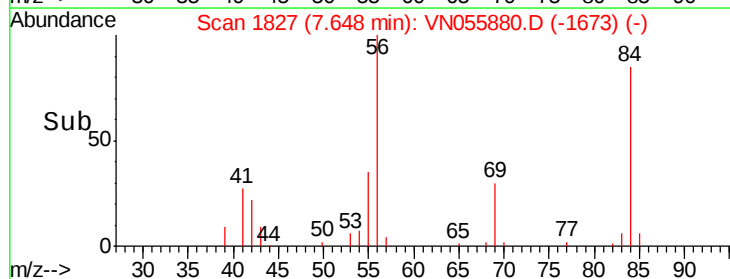
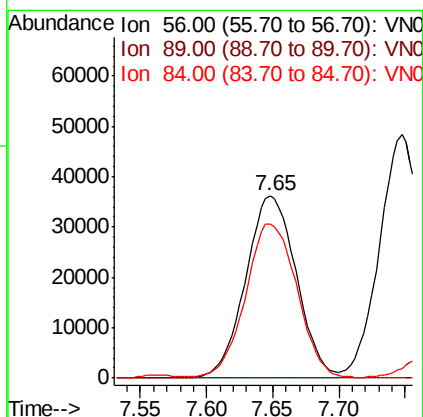
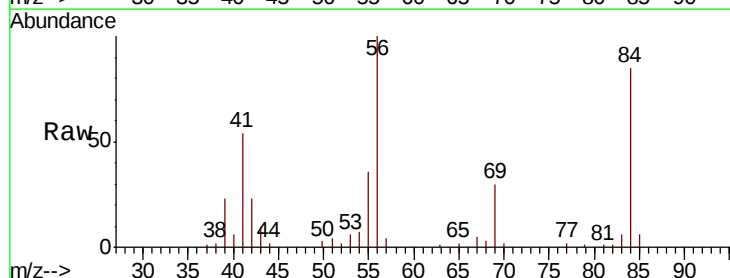
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

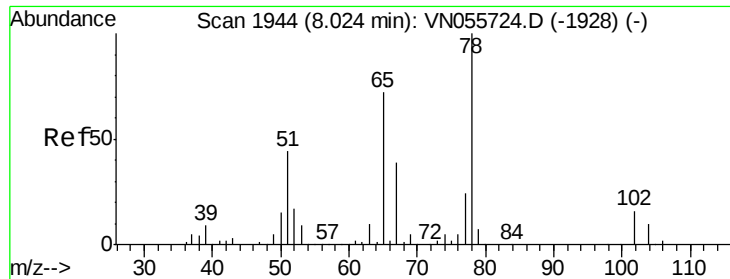
Tot Ion: 83 Resp: 108384
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5



#26
Cyclohexane
Concen: 18.876 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 56 Resp: 96385
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 67.2 100.8

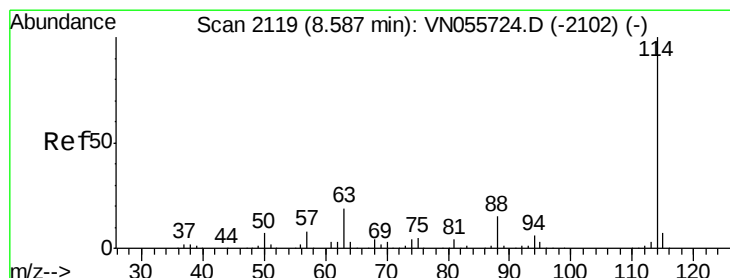
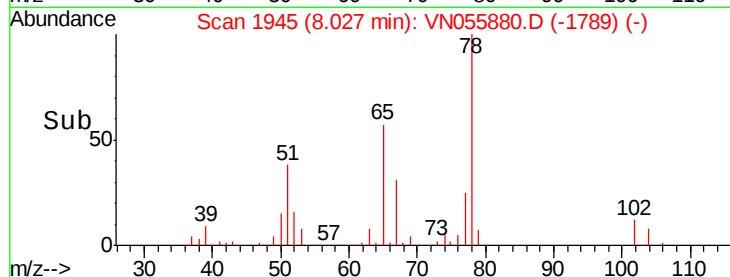
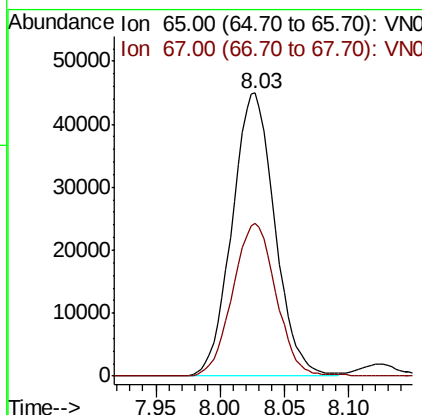
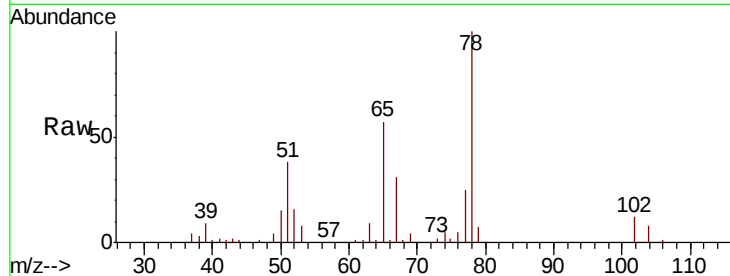




#27
 1,2-Dichloroethane-d4
 Concen: 29.867 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

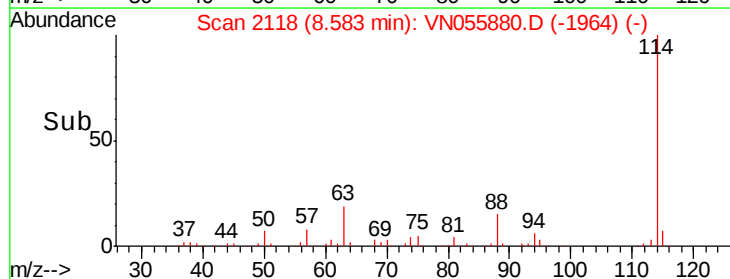
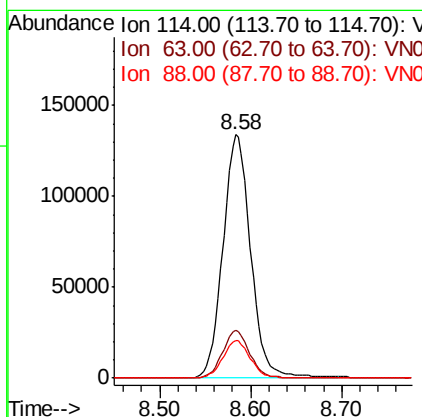
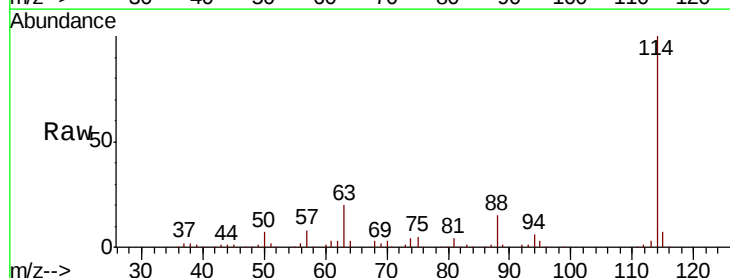
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

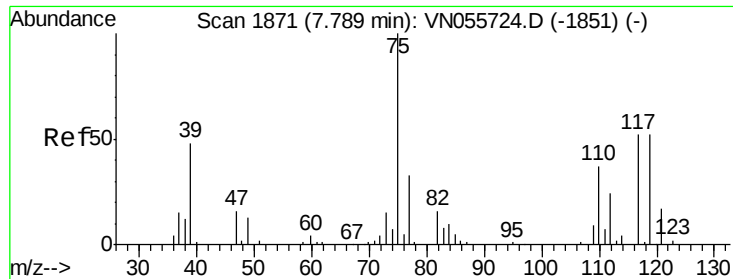
Tot Ion: 65 Resp: 103671
 Ion Ratio Lower Upper
 65 100
 67 54.6 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 114 Resp: 283956
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.1 12.3 18.5

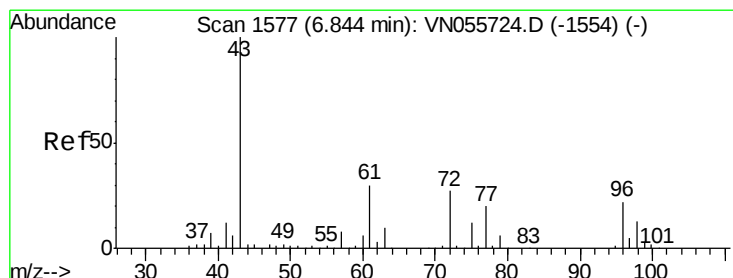
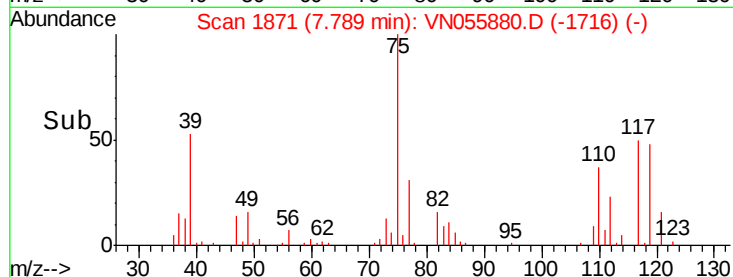
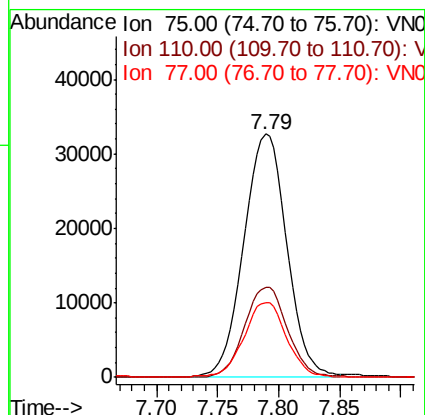
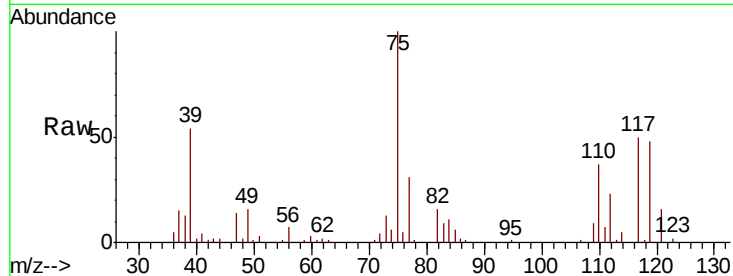




#29
 1,1-Dichloropropene
 Concen: 20.121 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

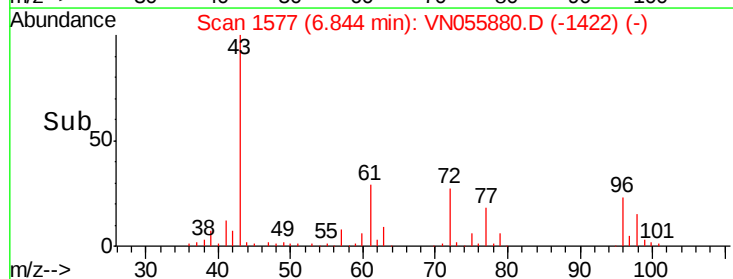
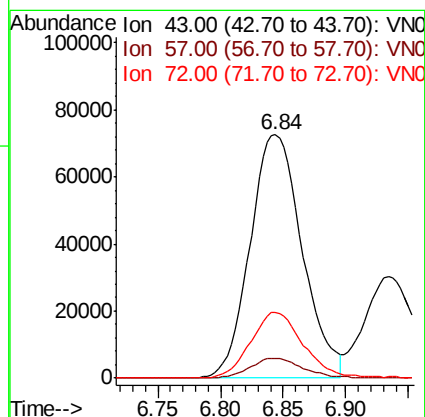
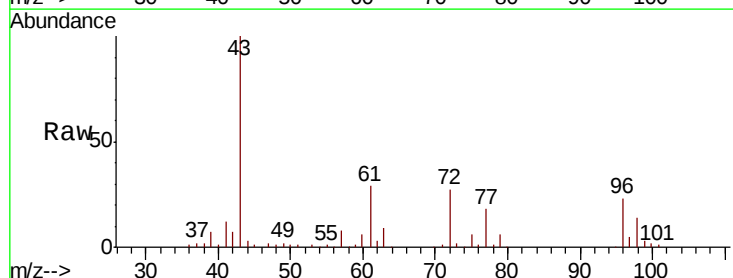
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

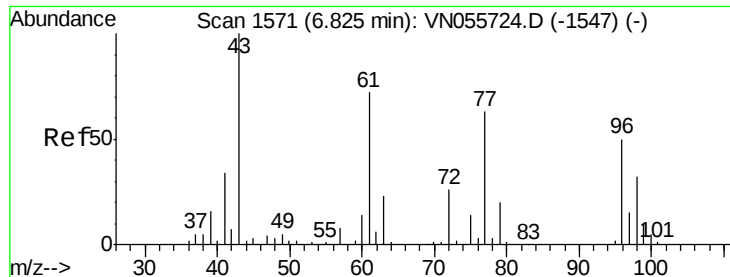
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	74.8
77	30.6	0.0	65.2



#30
 2-Butanone
 Concen: 98.529 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	10.0
72	27.5	21.7	32.5





#31

2,2-Dichloropropane

Concen: 16.045 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

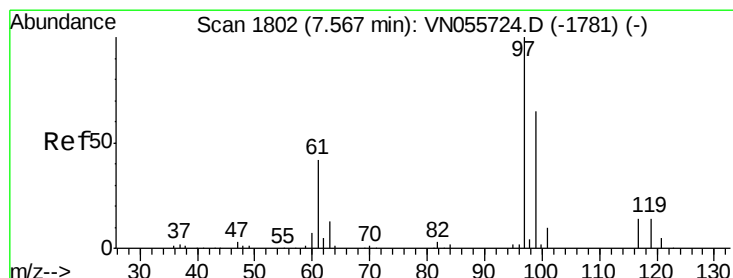
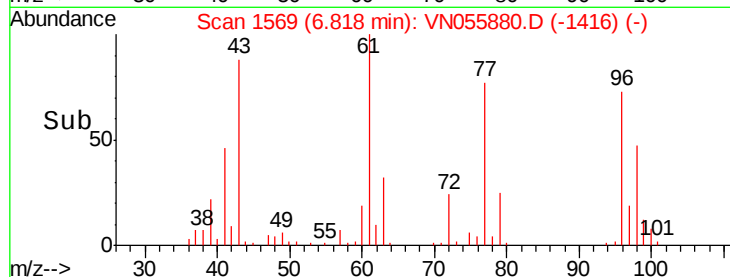
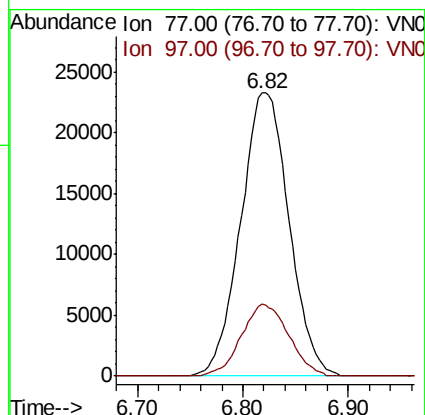
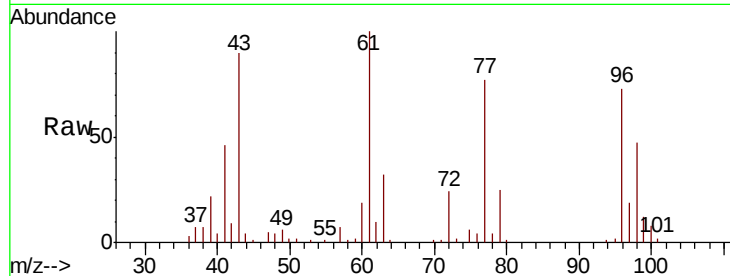
VN0529WBSD01

Tot Ion: 77 Resp: 74219

Ion Ratio Lower Upper

77 100

97 24.8 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 19.503 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

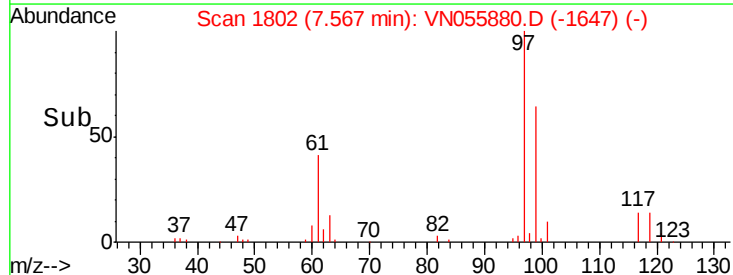
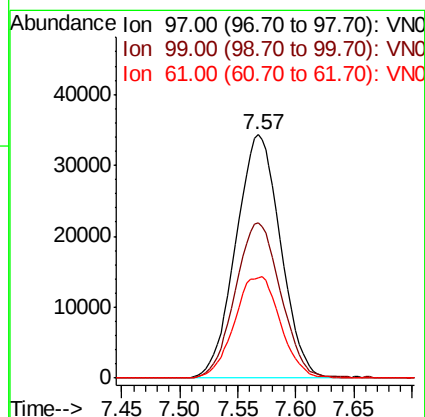
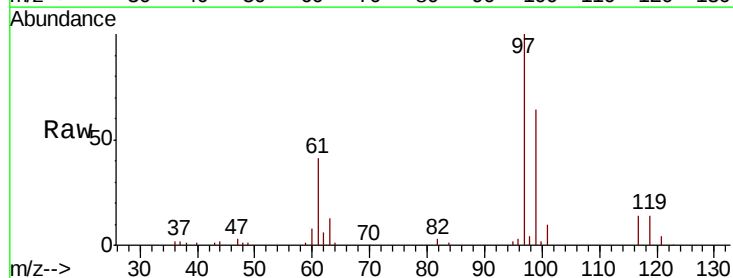
Tgt Ion: 97 Resp: 91890

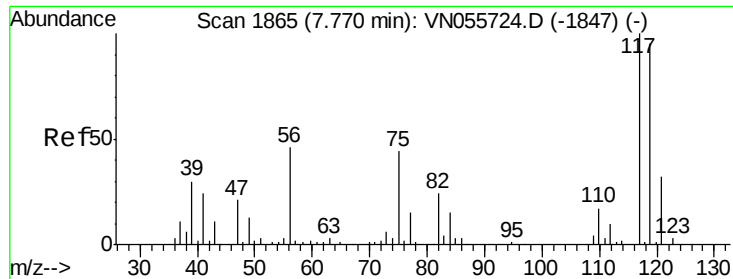
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 42.8 33.1 49.7





#33

Carbon Tetrachloride

Concen: 18.420 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

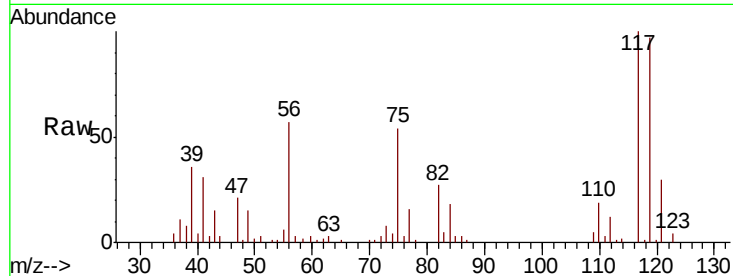
Tot Ion:117 Resp: 77638

Ion Ratio Lower Upper

117 100

119 96.7 75.8 113.8

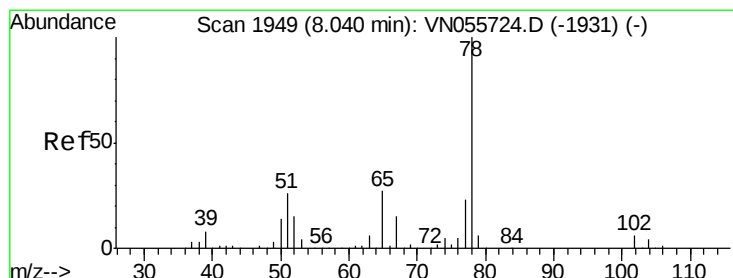
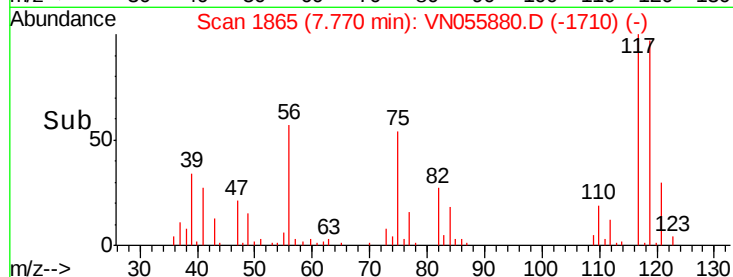
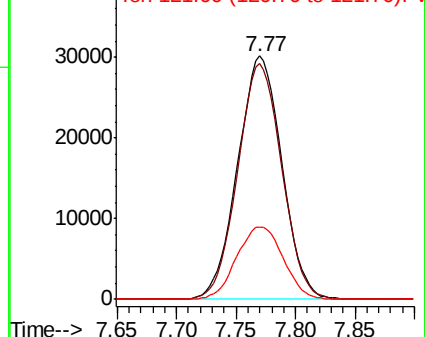
121 29.7 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.855 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

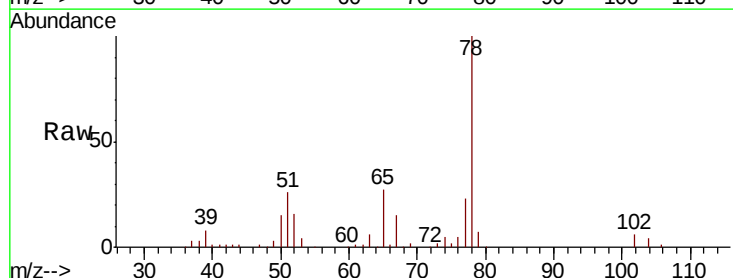
Tgt Ion: 78 Resp: 255944

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

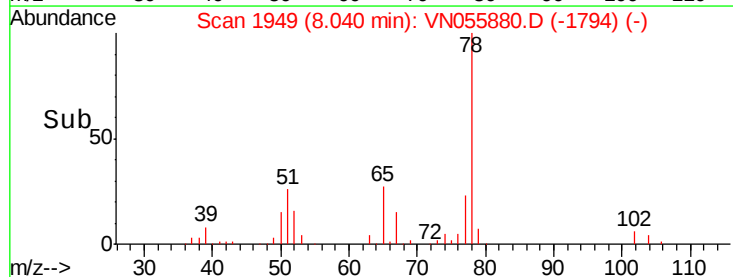
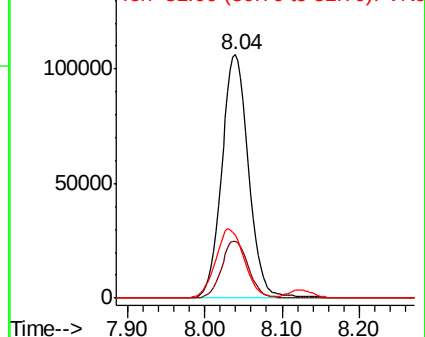
51 25.9 20.6 31.0

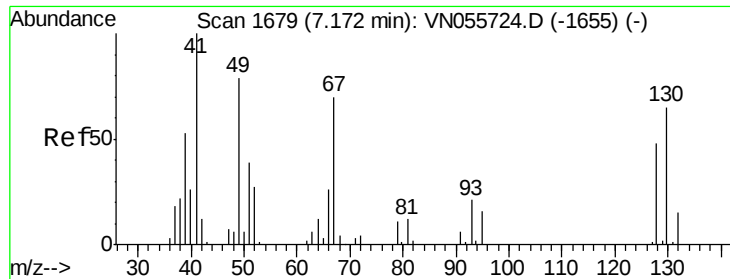


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

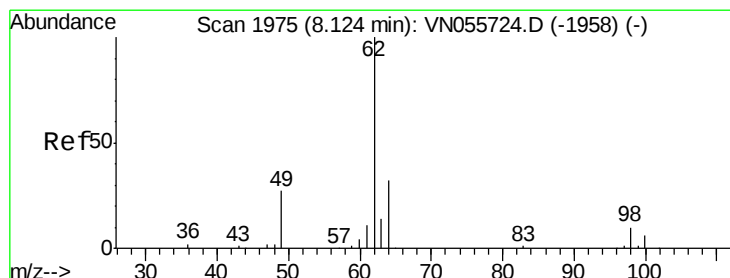
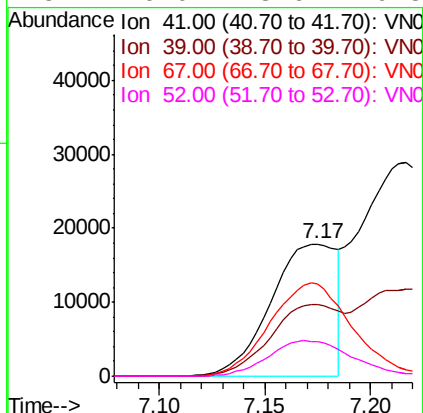
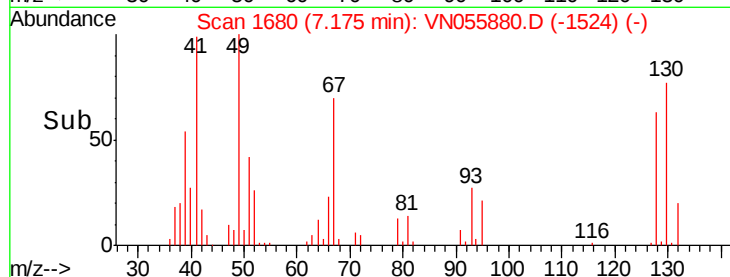
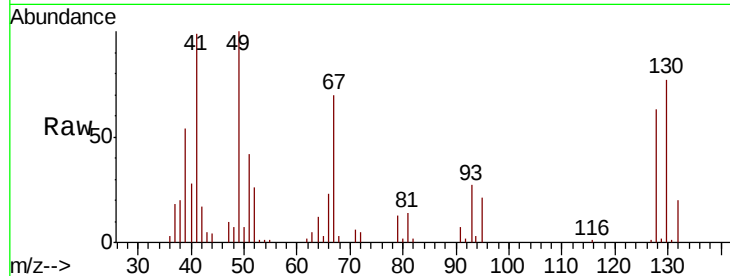




#35
Methacrylonitrile
Concen: 19.889 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

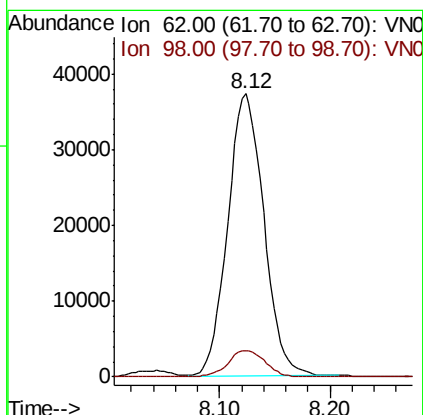
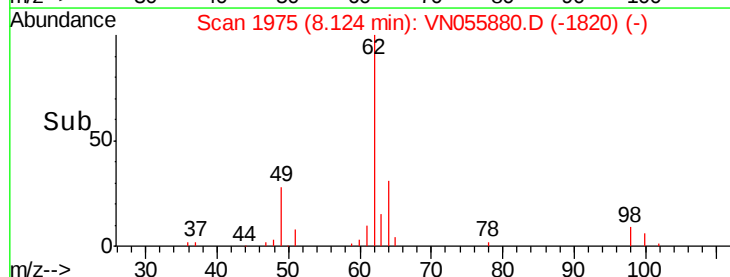
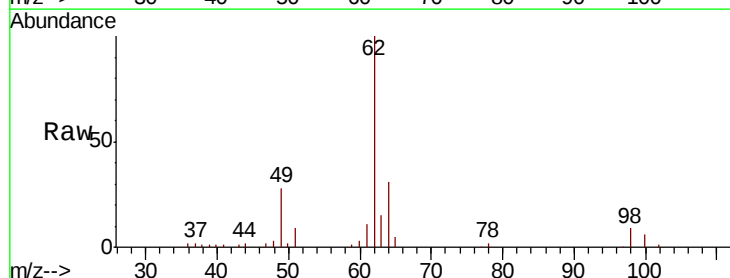
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

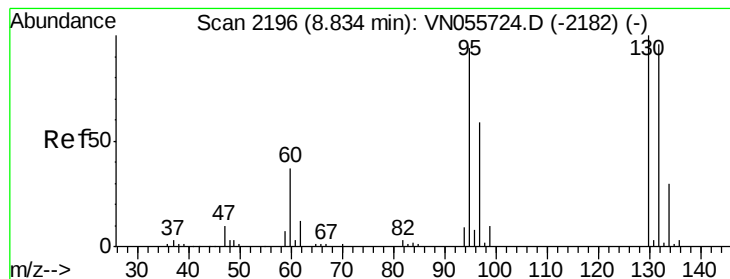
Tot Ion: 41 Resp: 38895
Ion Ratio Lower Upper
41 100
39 54.3 26.7 80.1
67 70.3 34.9 104.7
52 26.0 13.6 40.8



#36
1,2-Dichloroethane
Concen: 21.099 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 62 Resp: 84621
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2





#37

Trichloroethene

Concen: 20.333 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

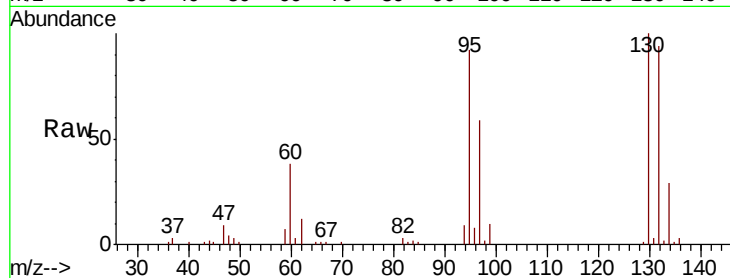
VN0529WBSD01

Tot Ion:130 Resp: 69625

Ion Ratio Lower Upper

130 100

95 91.7 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

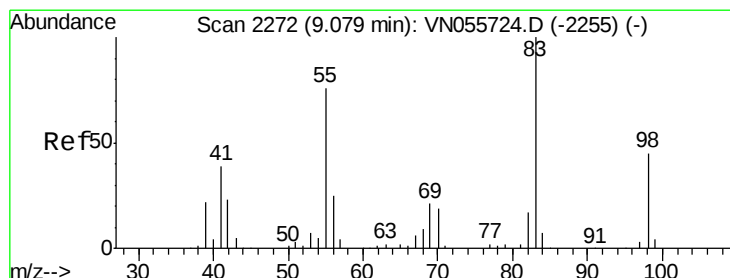
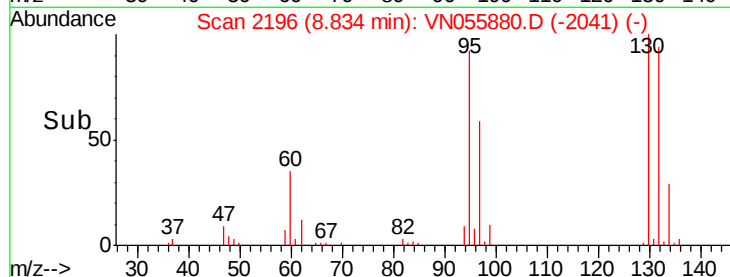
20000

10000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 19.634 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

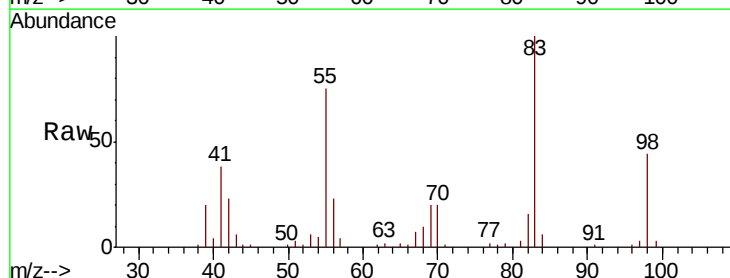
Tgt Ion: 83 Resp: 98882

Ion Ratio Lower Upper

83 100

55 73.6 37.8 113.4

98 44.4 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

50000

40000

30000

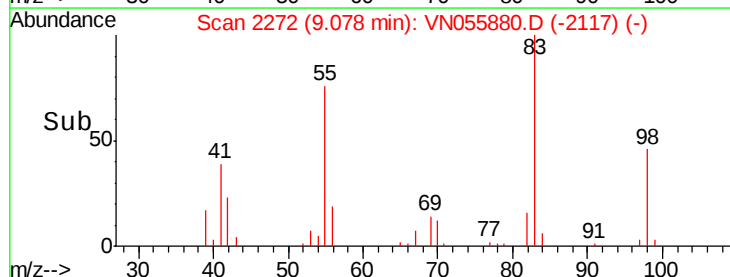
20000

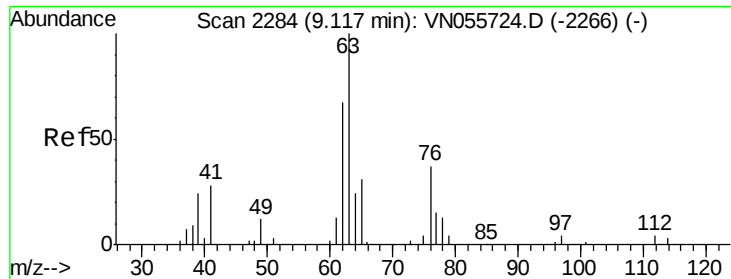
10000

0

Time-->

9.00 9.10 9.20

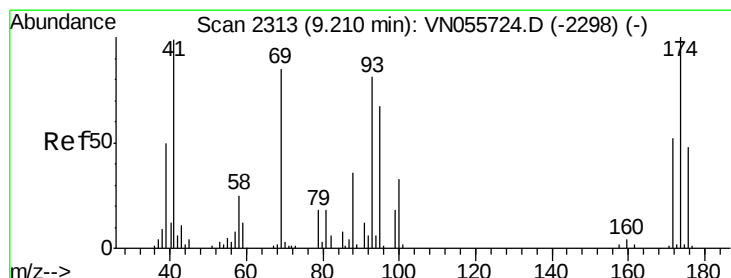
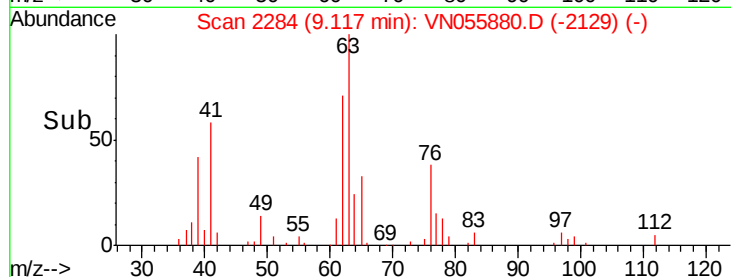
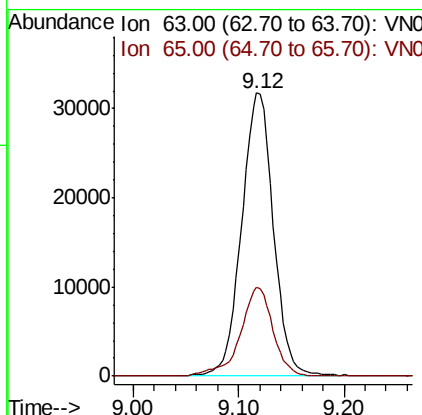
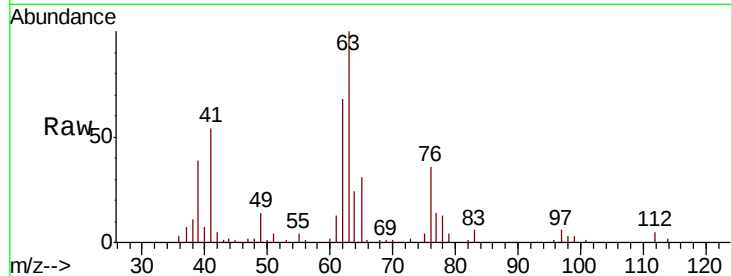




#39
 1,2-Dichloropropane
 Concen: 20.195 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

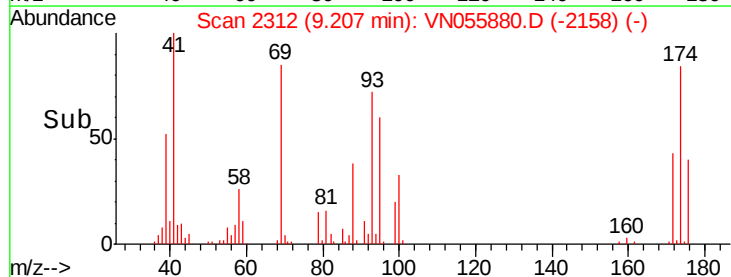
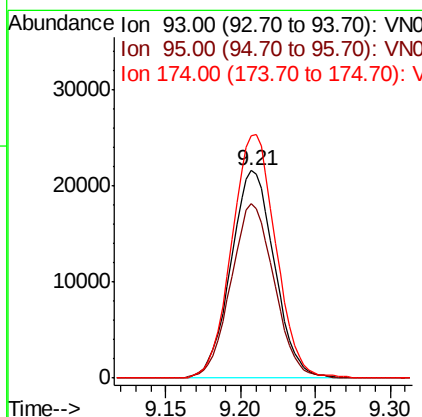
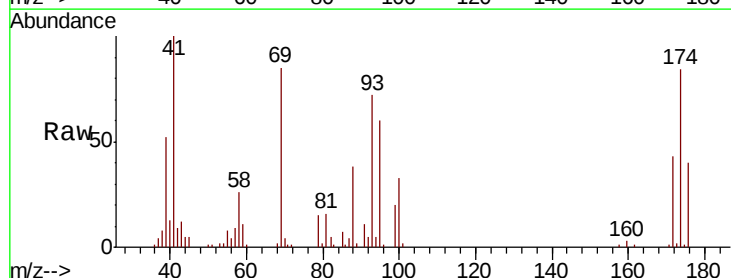
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

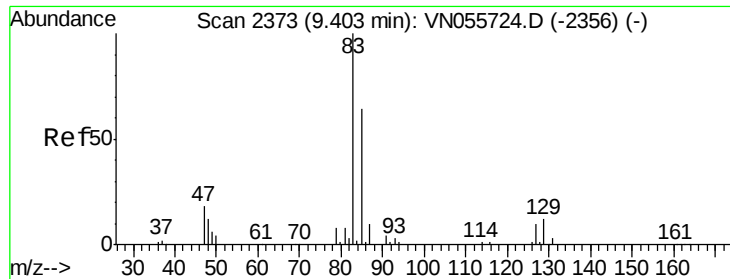
Tot Ion: 63 Resp: 66628
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.8 38.8



#40
 Dibromomethane
 Concen: 20.509 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 93 Resp: 43693
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 170.6
 174 118.6 0.0 248.4





#41

Bromodichloromethane

Concen: 18.989 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

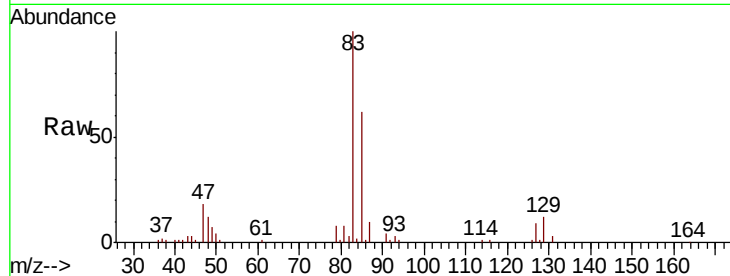
Tot Ion: 83 Resp: 82913

Ion Ratio Lower Upper

83 100

85 62.4 51.4 77.0

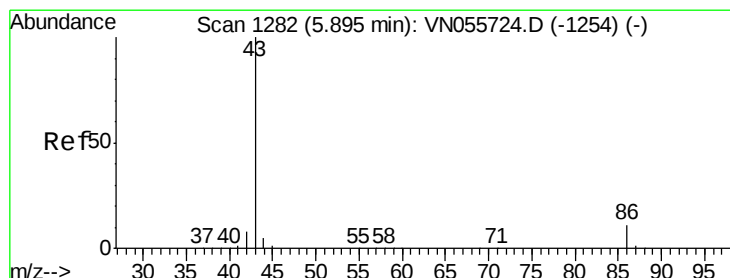
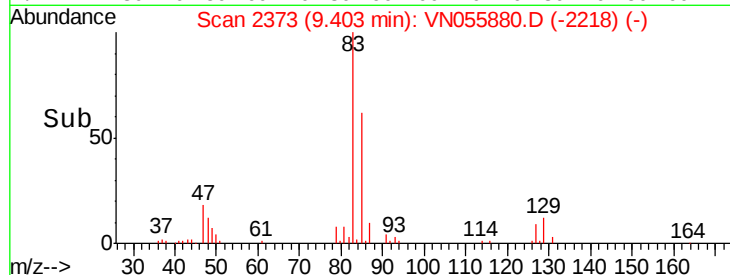
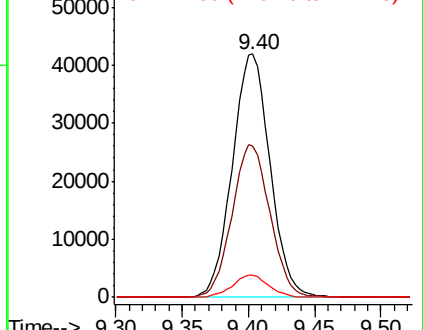
127 9.1 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.439 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055880.D

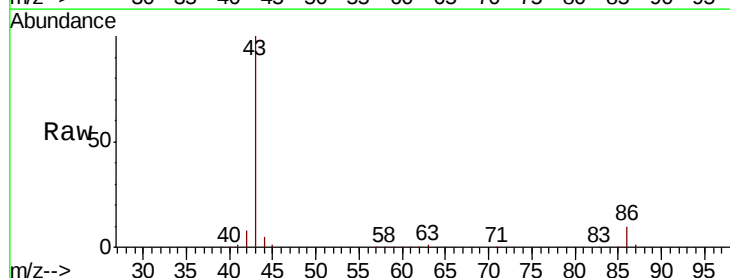
Acq: 29 May 2019 16:13

Tgt Ion: 43 Resp: 801555

Ion Ratio Lower Upper

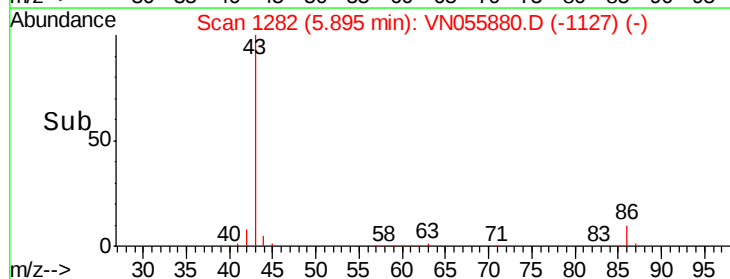
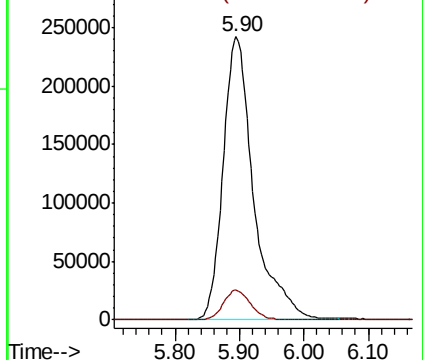
43 100

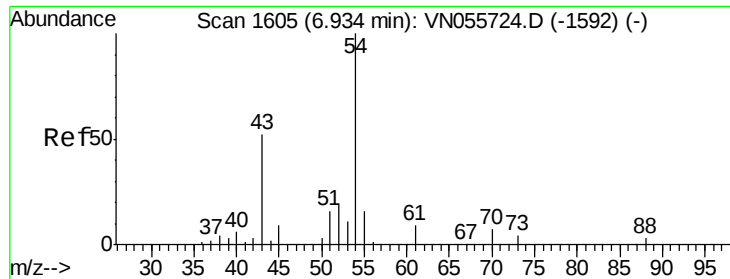
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.008 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

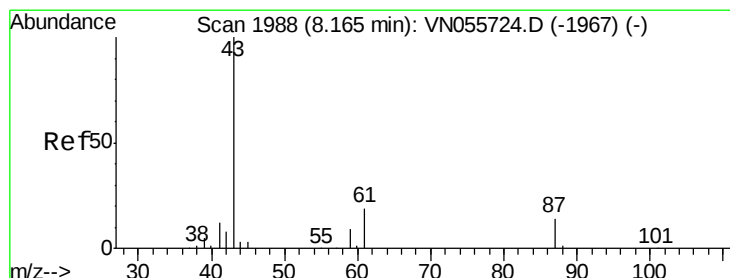
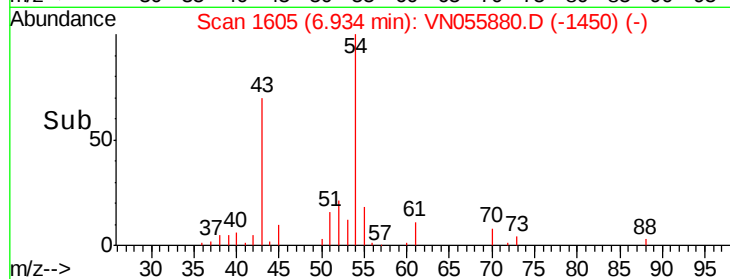
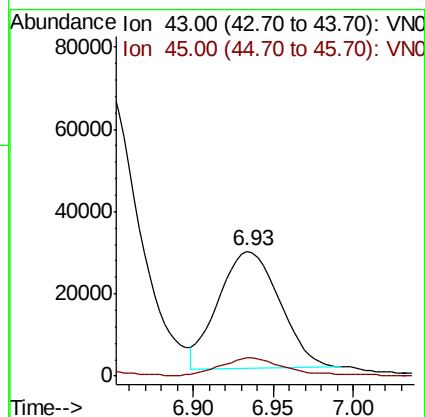
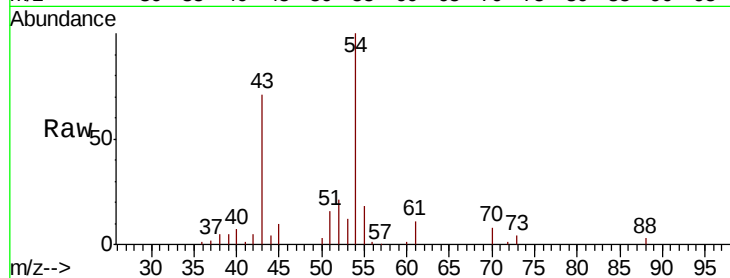
VN0529WBSD01

Tot Ion: 43 Resp: 74997

Ion Ratio Lower Upper

43 100

45 14.4 0.0 0.0#



#44

Isopropyl Acetate

Concen: 19.355 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055880.D

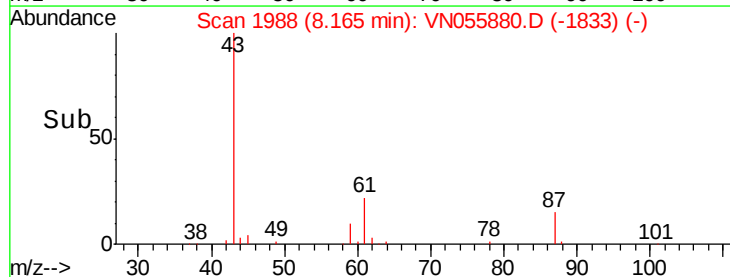
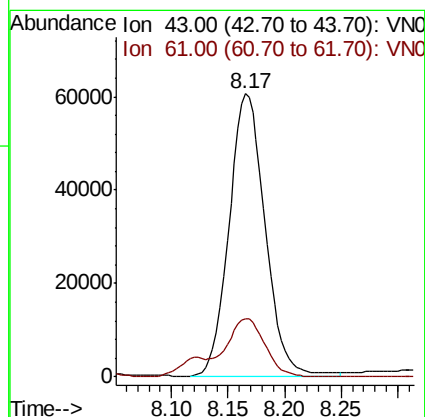
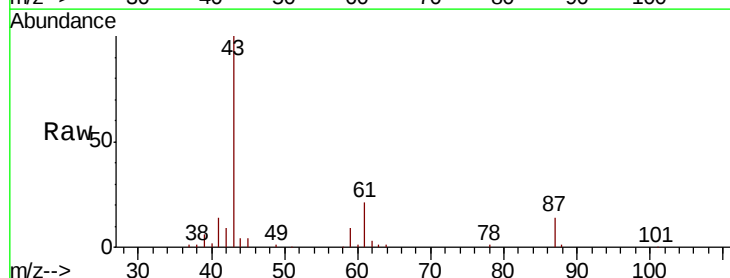
Acq: 29 May 2019 16:13

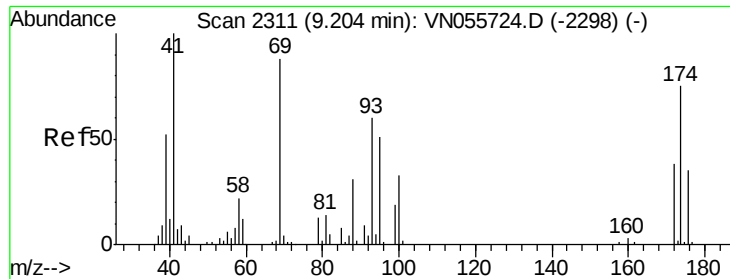
Tgt Ion: 43 Resp: 133480

Ion Ratio Lower Upper

43 100

61 20.4 22.1 33.1#

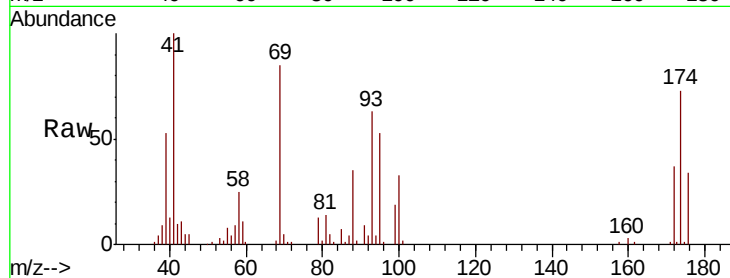




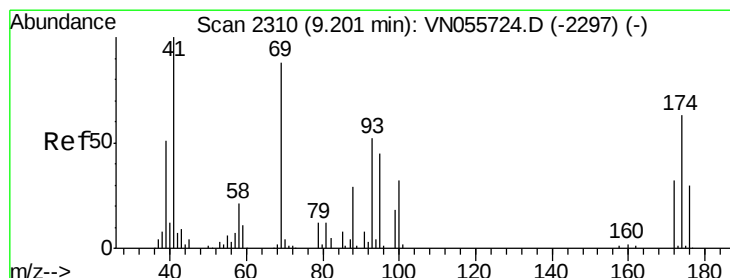
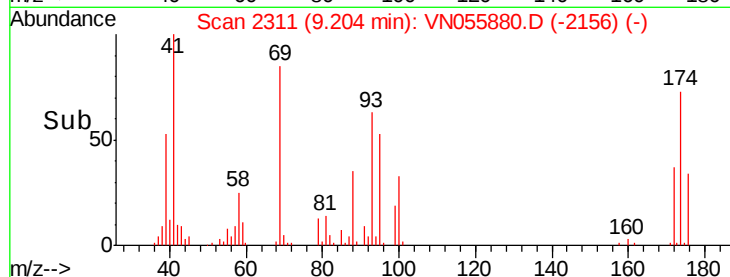
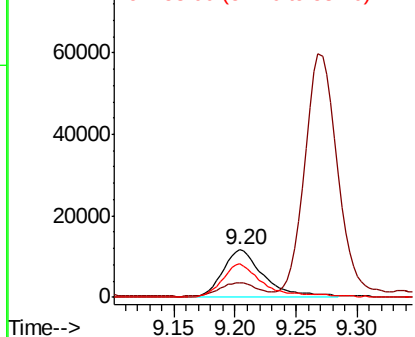
#45
 1,4-Dioxane
 Concen: 426.760 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion: 88 Resp: 27688
 Ion Ratio Lower Upper
 88 100
 43 26.3 20.5 30.7
 58 70.8 56.1 84.1

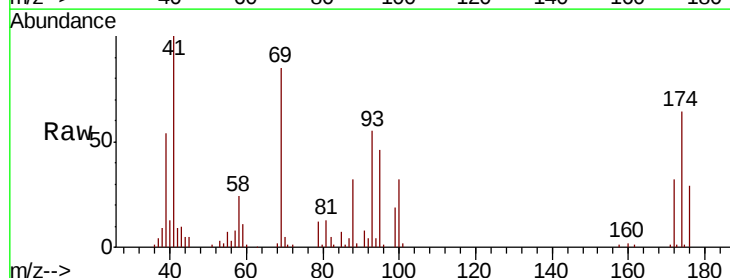


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

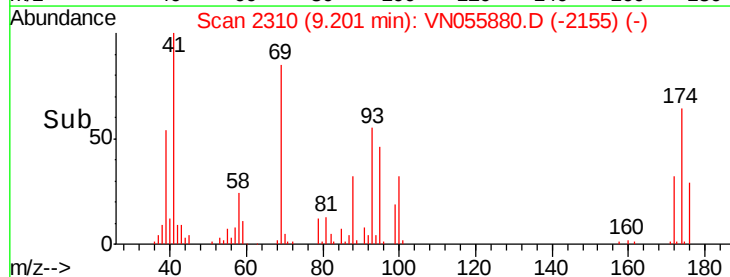
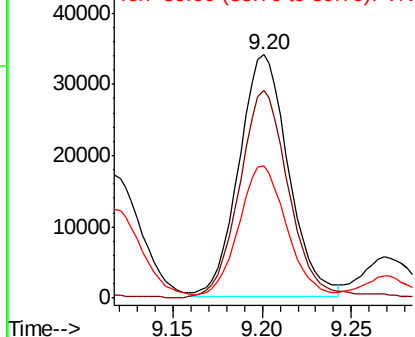


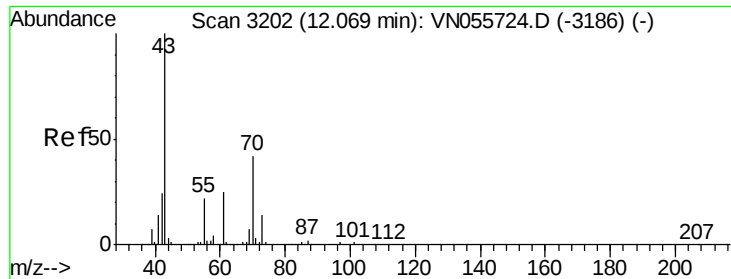
#46
 Methyl methacrylate
 Concen: 20.519 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 41 Resp: 66022
 Ion Ratio Lower Upper
 41 100
 69 86.6 43.8 131.4
 39 53.9 25.6 76.6



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

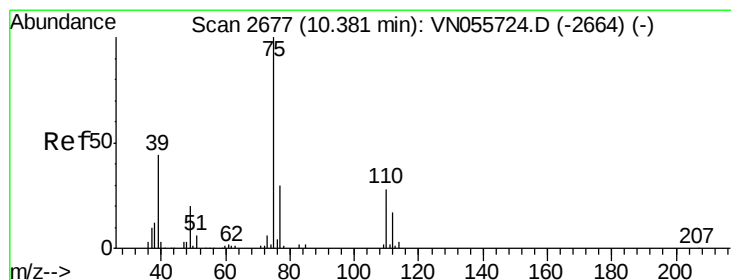
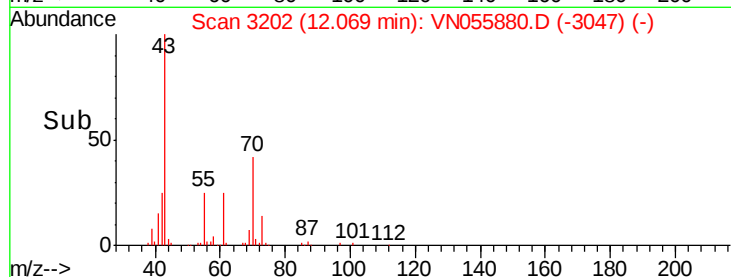
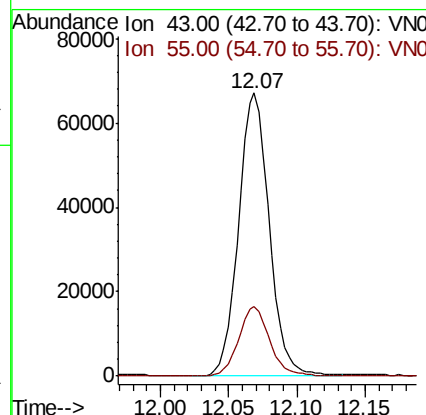
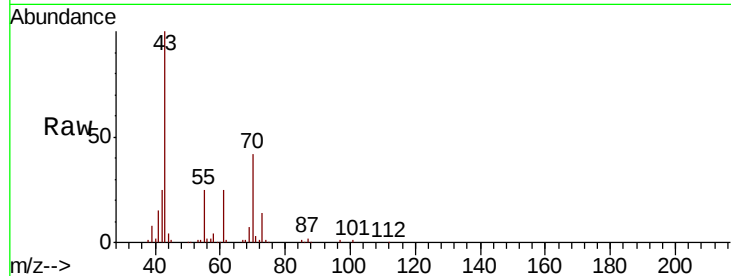




#47
n-amvl Acetate
Concen: 18.382 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

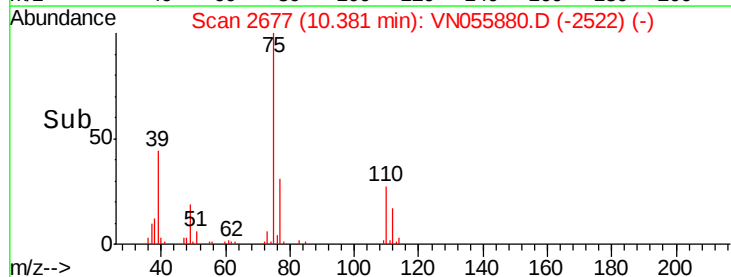
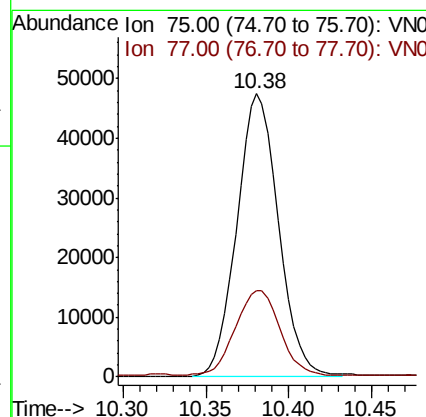
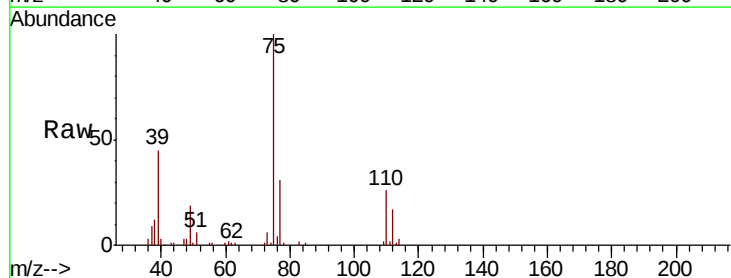
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

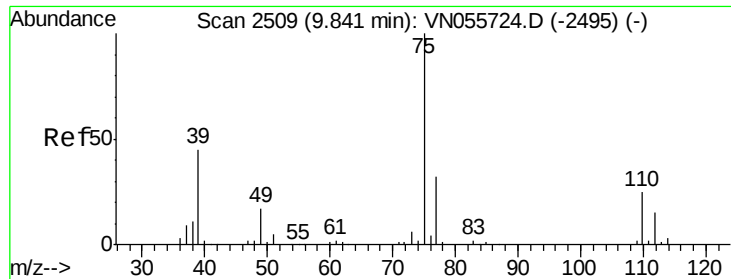
Tot Ion: 43 Resp: 104853
Ion Ratio Lower Upper
43 100
55 24.7 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.212 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 75 Resp: 82959
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8



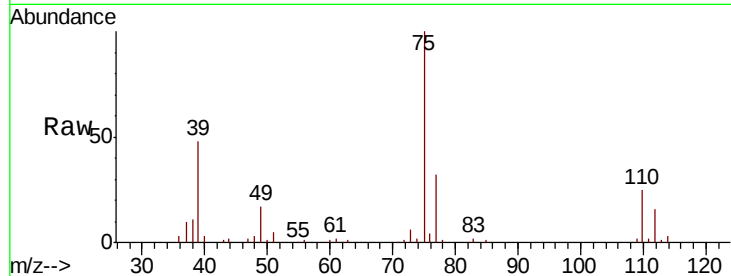


#49

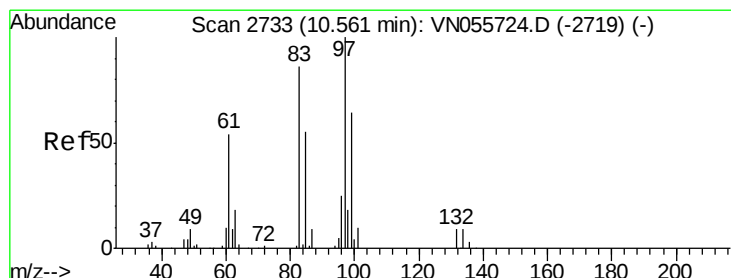
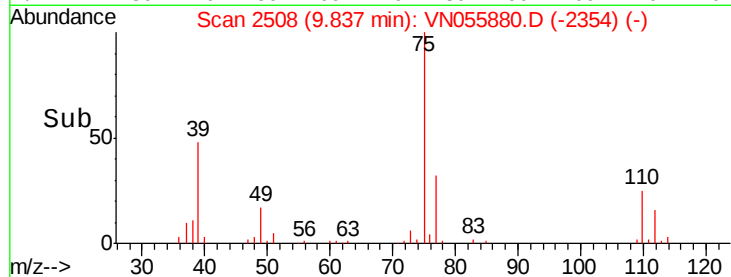
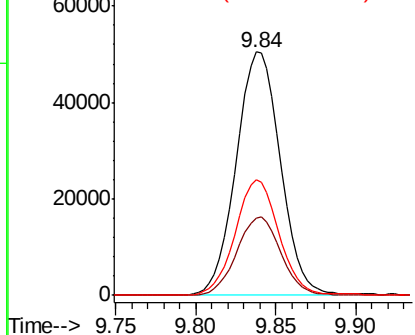
cis-1,3-Dichloropropene
 Concen: 18.102 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.0	39.0
39	47.6	36.2	54.4



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

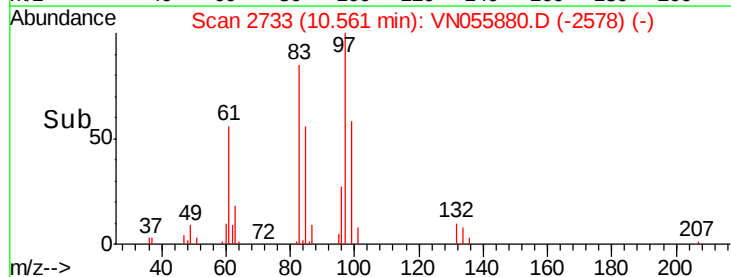
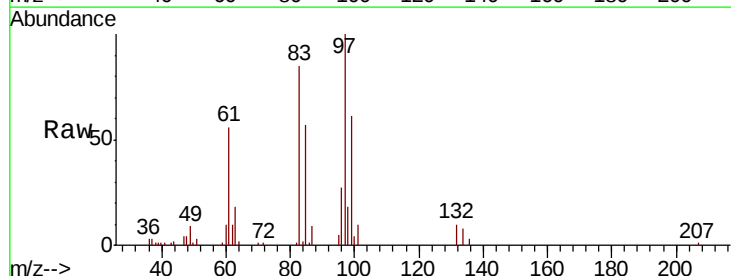
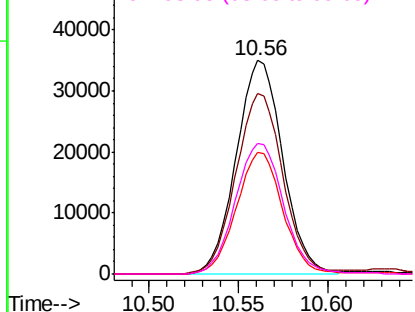


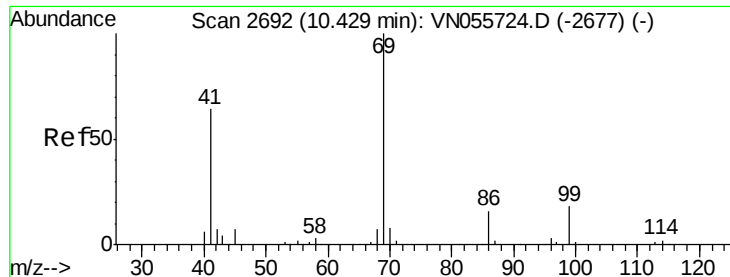
#50

1,1,2-Trichloroethane
 Concen: 20.506 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	56.8	44.3	66.5
99	61.2	51.4	77.0

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: 19.329 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

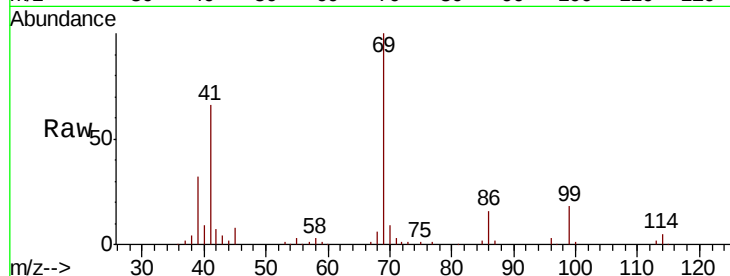
Tot Ion: 69 Resp: 96626

Ion Ratio Lower Upper

69 100

41 65.5 31.9 95.7

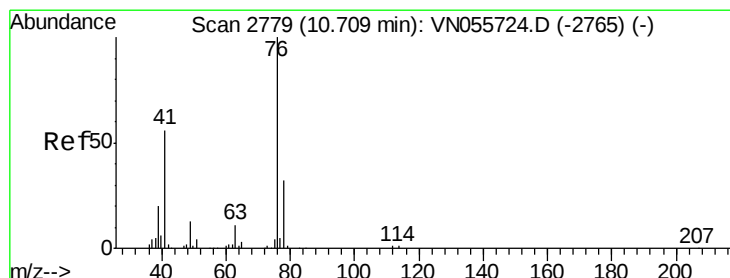
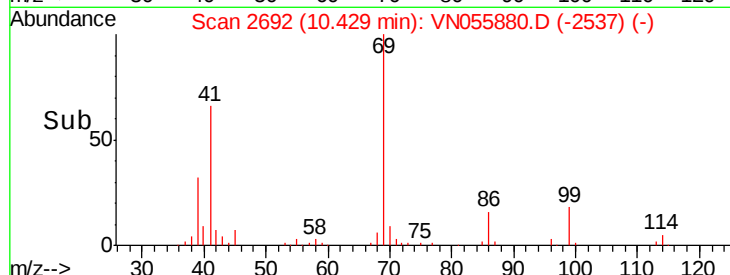
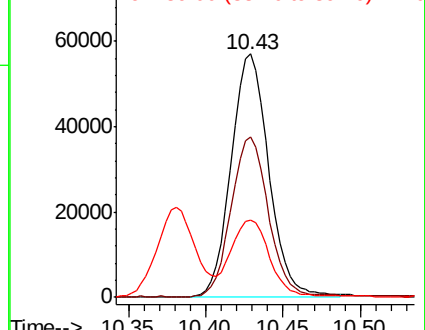
39 31.3 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055880.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN055880.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN055880.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 20.499 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055880.D

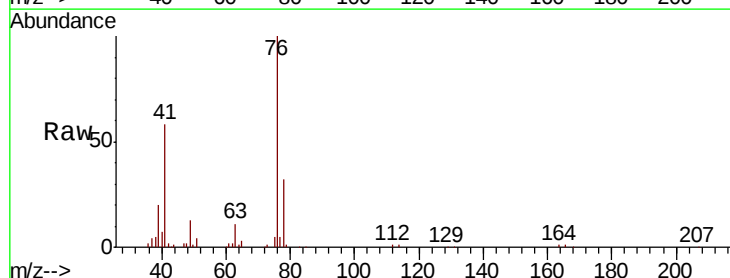
Acq: 29 May 2019 16:13

Tgt Ion: 76 Resp: 104793

Ion Ratio Lower Upper

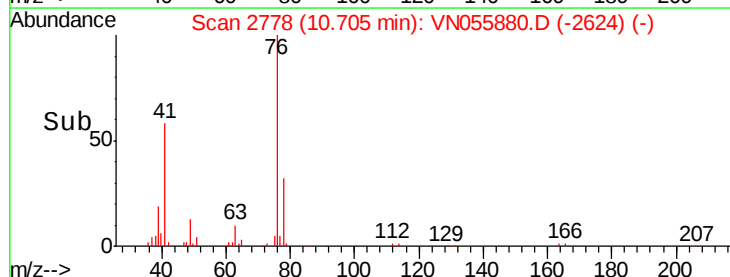
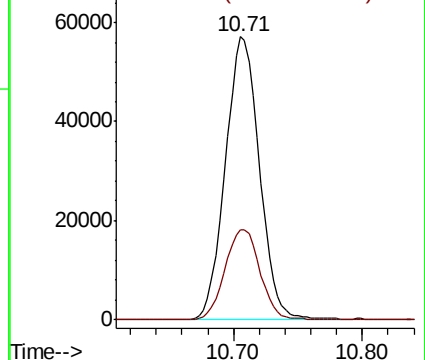
76 100

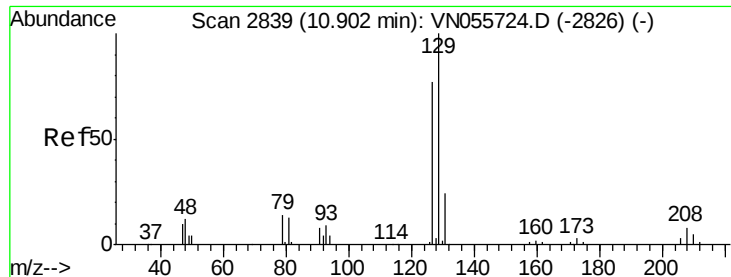
78 32.8 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055880.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN055880.D (-2624) (-)





#53

Dibromochloromethane

Concen: 17.699 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

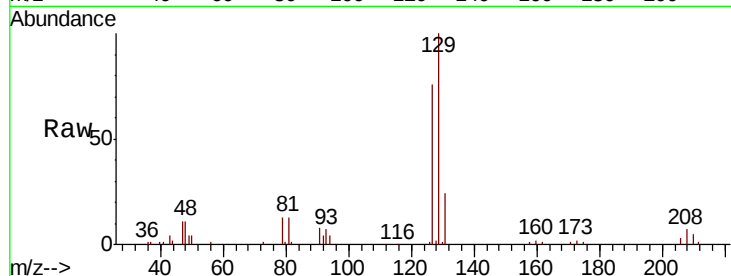
VN0529WBSD01

Tot Ion:129 Resp: 64847

Ion Ratio Lower Upper

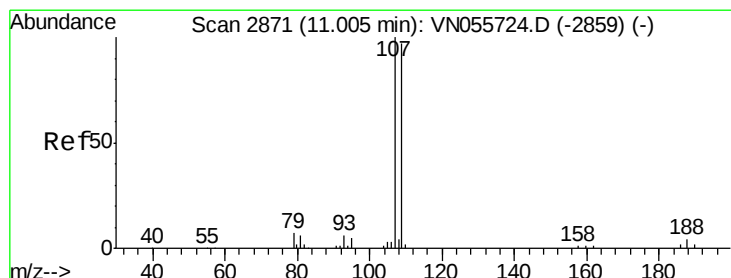
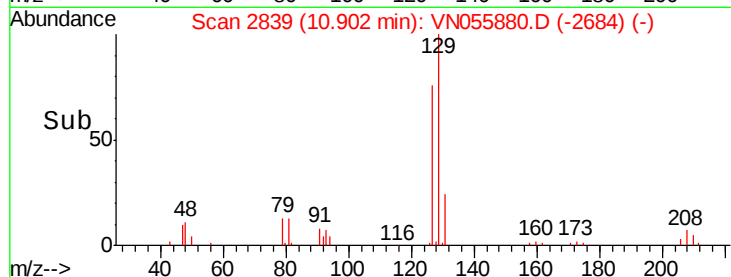
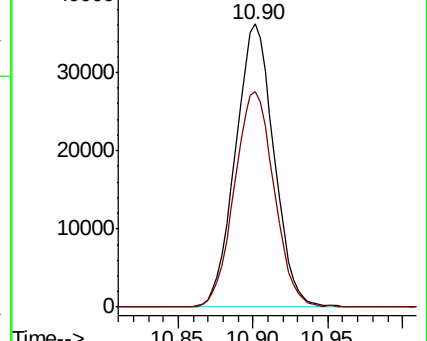
129 100

127 78.2 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.200 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055880.D

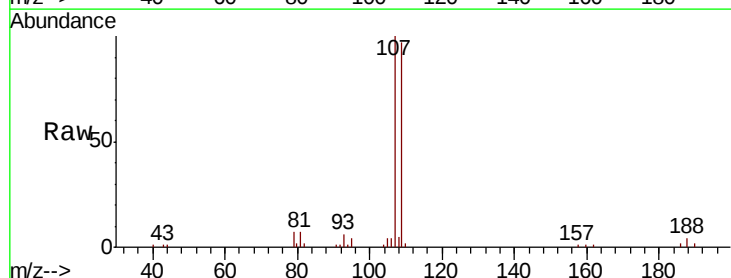
Acq: 29 May 2019 16:13

Tgt Ion:107 Resp: 64830

Ion Ratio Lower Upper

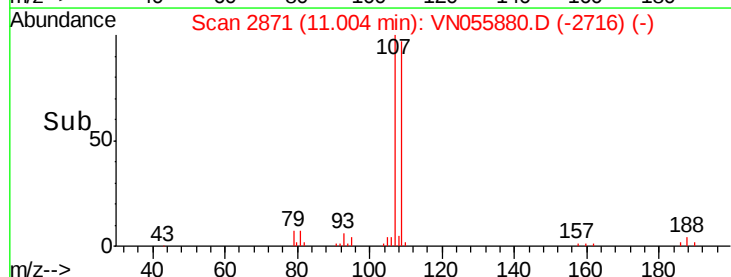
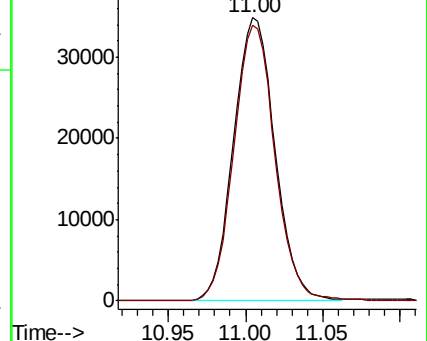
107 100

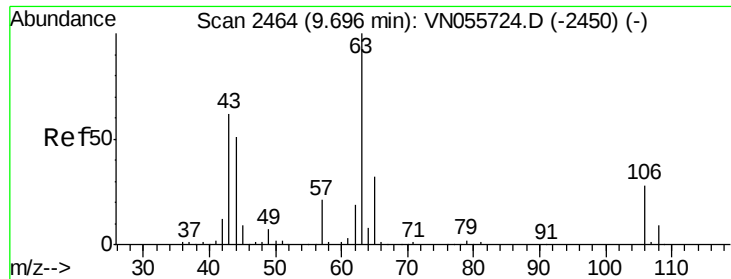
109 96.6 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

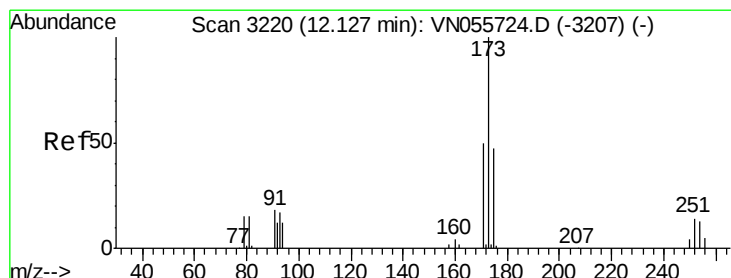
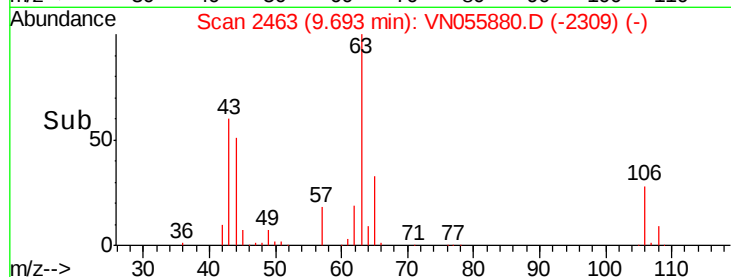
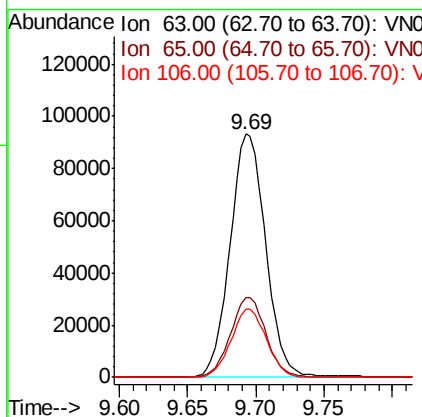
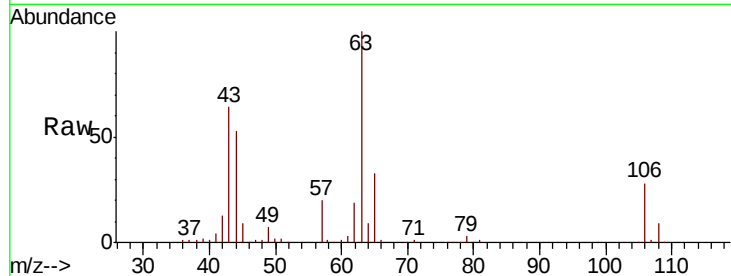




#55
2-Chloroethyl vinyl ether
Concen: 86.825 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

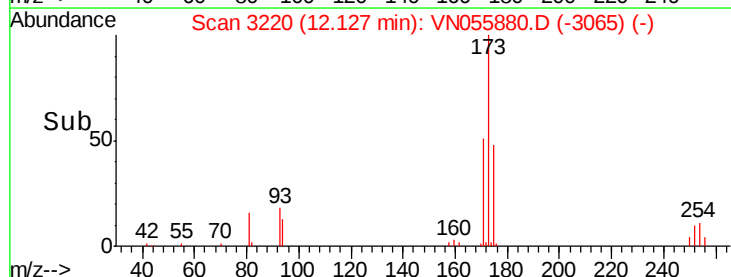
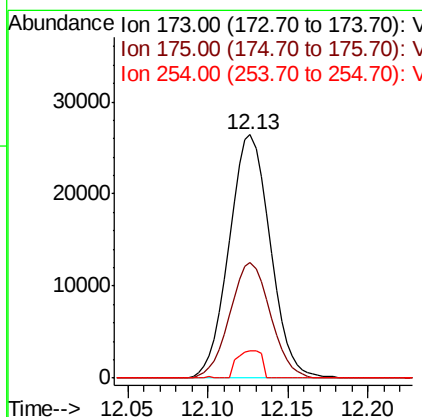
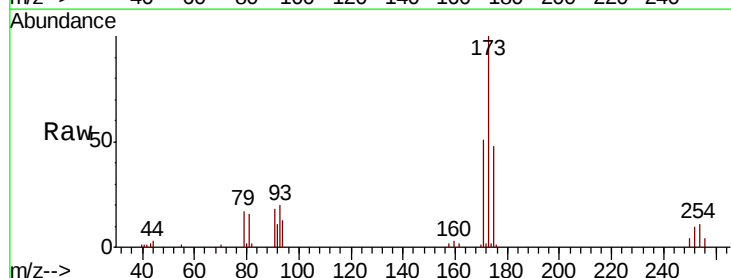
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

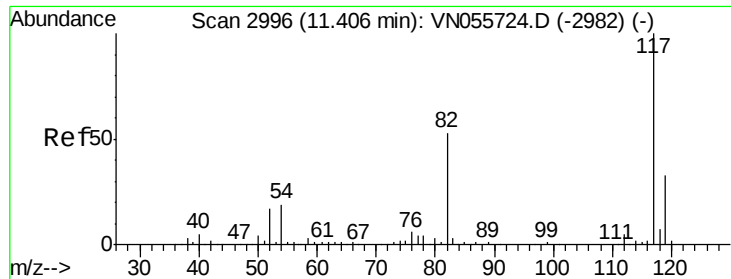
Tot Ion: 63 Resp: 168879
Ion Ratio Lower Upper
63 100
65 32.8 25.4 38.0
106 27.8 22.1 33.1



#56
Bromoform
Concen: 15.427 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 173 Resp: 46363
Ion Ratio Lower Upper
173 100
175 46.8 38.5 57.7
254 6.6 9.4 14.0#

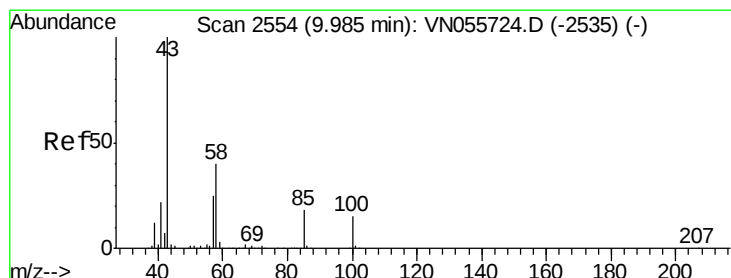
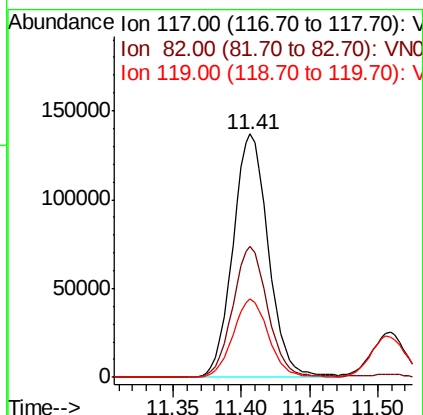
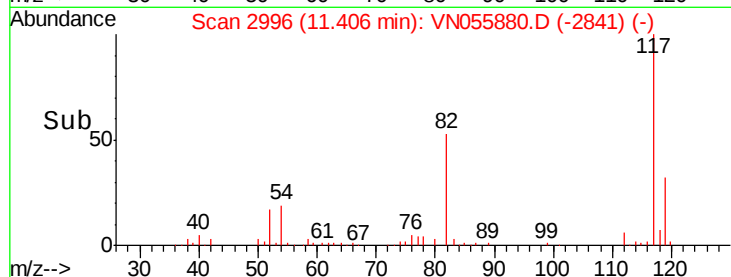
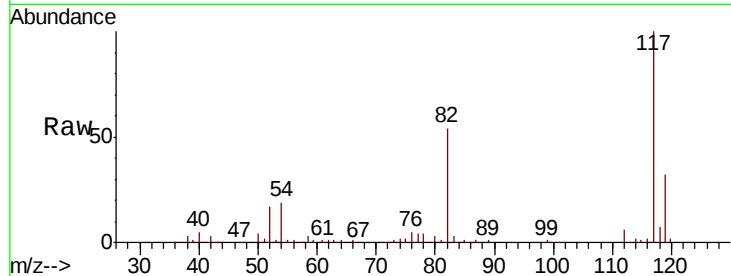




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

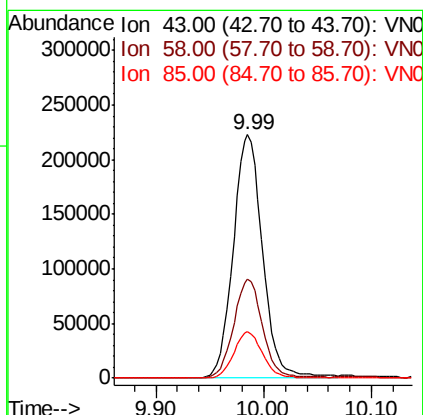
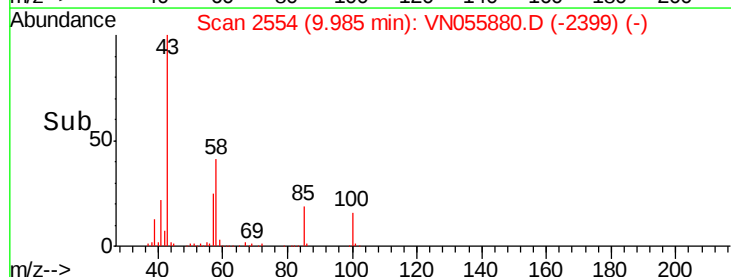
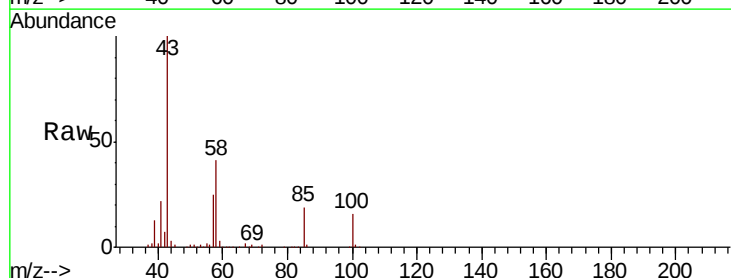
Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

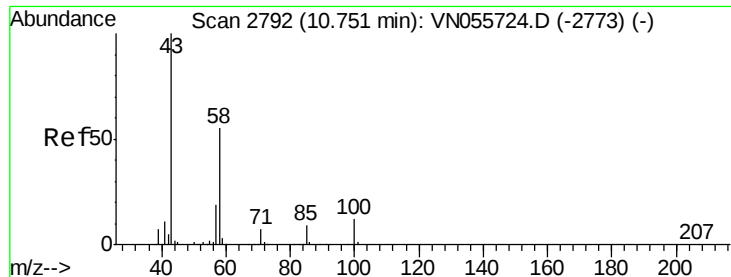
Tot Ion:117 Resp: 247332
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.1 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 103.272 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 43 Resp: 422844
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5
85 18.5 14.5 21.7

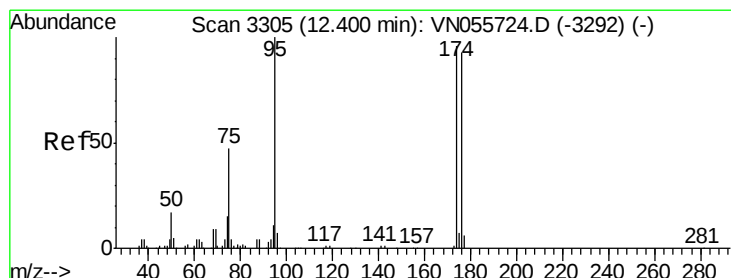
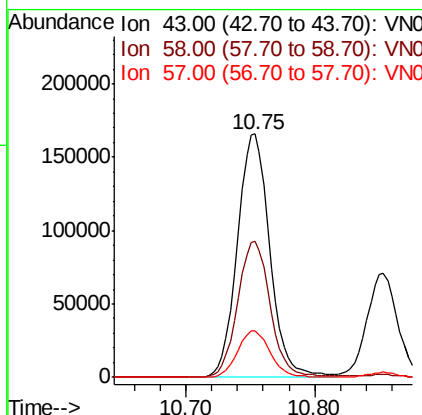
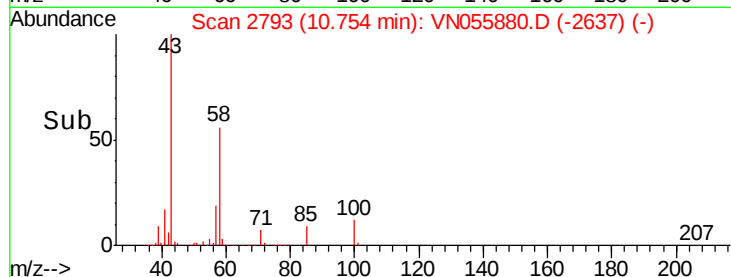
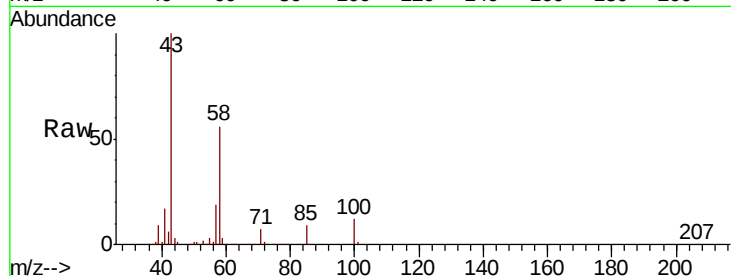




#59
2-Hexanone
Concen: 98.908 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

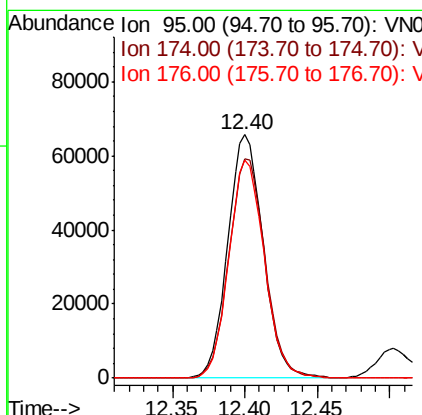
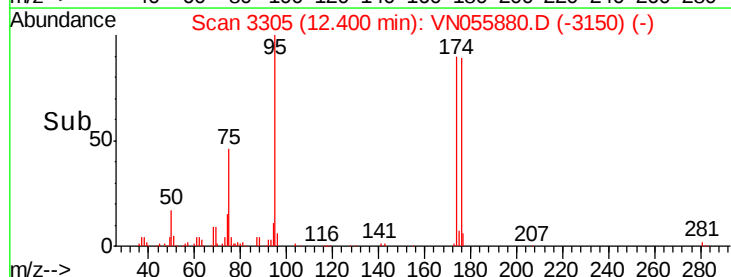
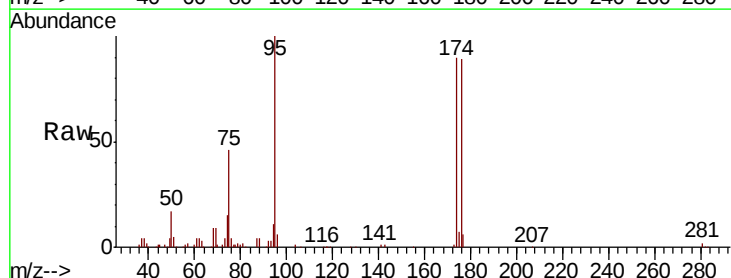
Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

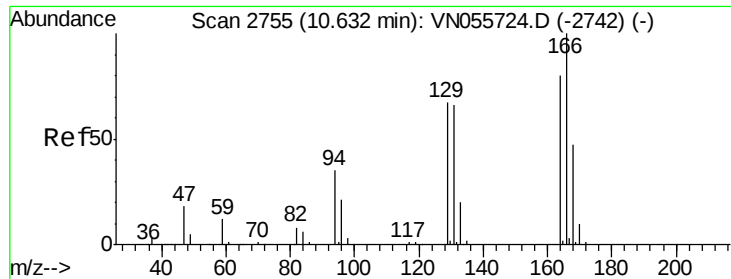
Tot Ion	43	Resp	289523
Ion Ratio	Lower	Upper	
43	100		
58	56.3	44.8	67.2
57	19.3	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 29.025 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	95	Resp	111674
Ion Ratio	Lower	Upper	
95	100		
174	91.8	75.7	113.5
176	89.6	74.1	111.1





#61

Tetrachloroethene

Concen: 21.359 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:164 Resp: 71511

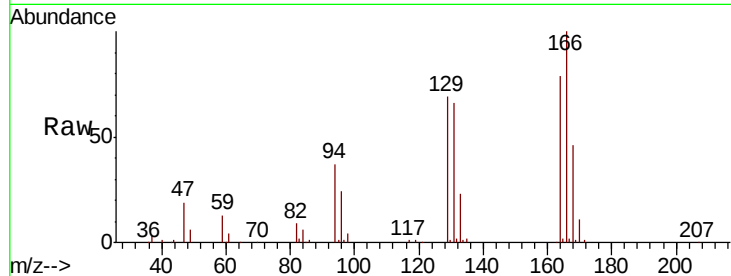
Ion Ratio Lower Upper

164 100

166 127.1 100.6 150.8

129 88.2 67.4 101.2

131 84.2 66.6 99.8

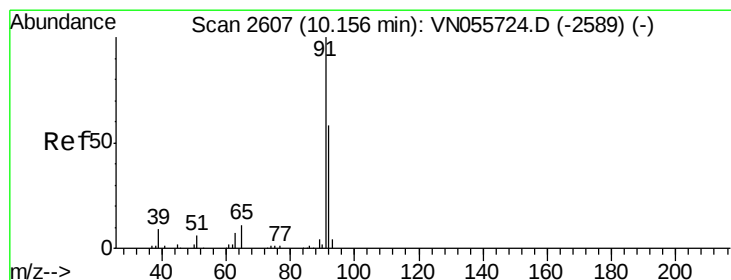
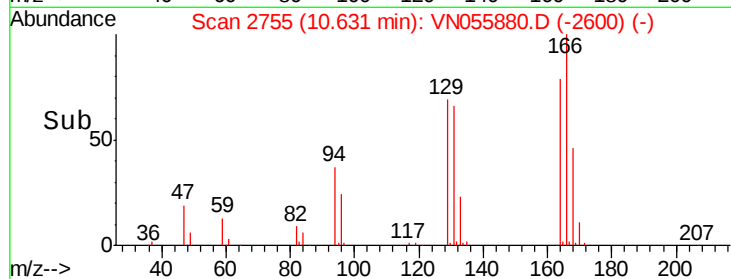
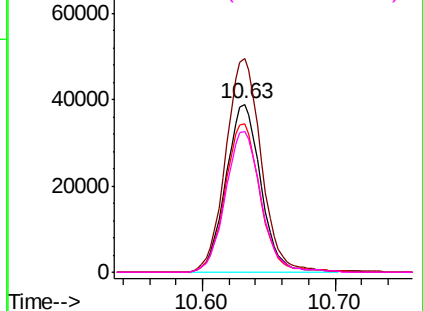


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.095 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055880.D

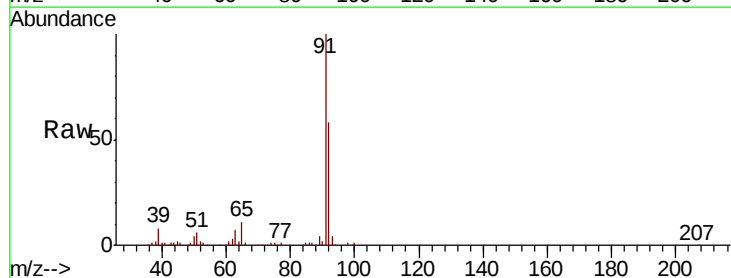
Acq: 29 May 2019 16:13

Tgt Ion: 91 Resp: 280571

Ion Ratio Lower Upper

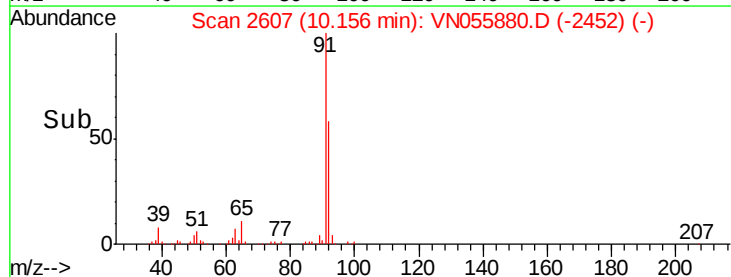
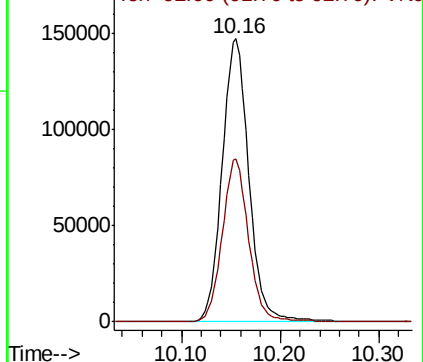
91 100

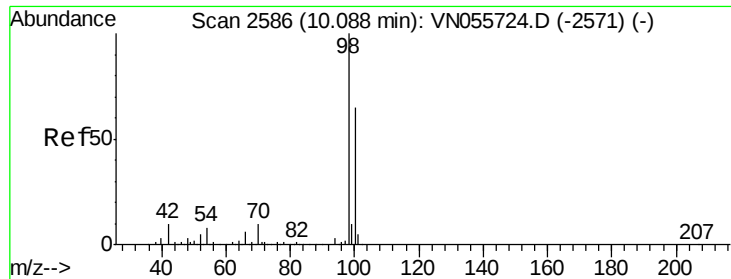
92 56.5 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.395 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

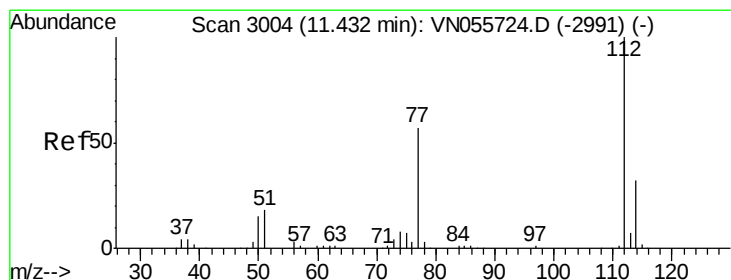
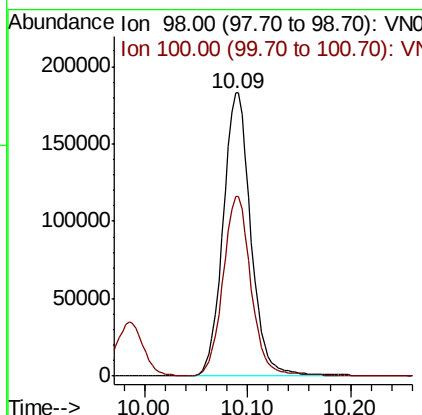
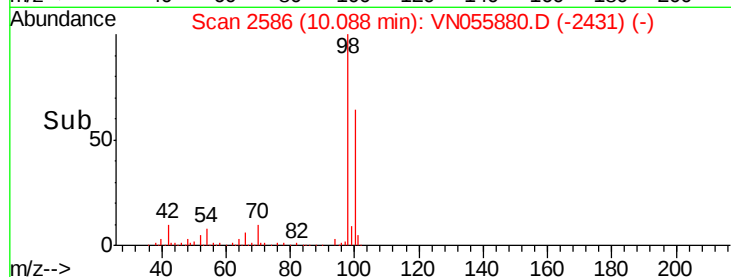
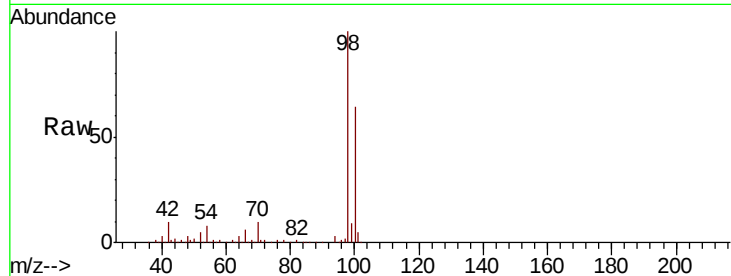
VN0529WBSD01

Tot Ion: 98 Resp: 343554

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#64

Chlorobenzene

Concen: 20.823 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055880.D

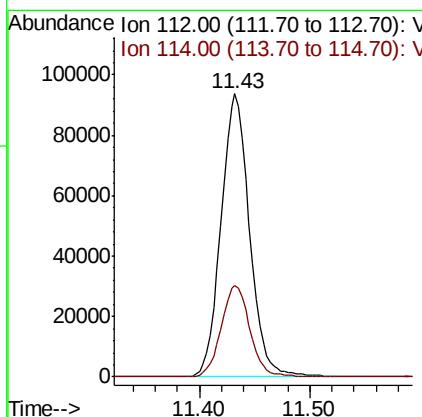
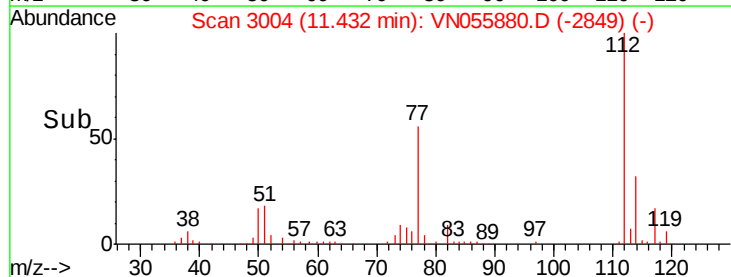
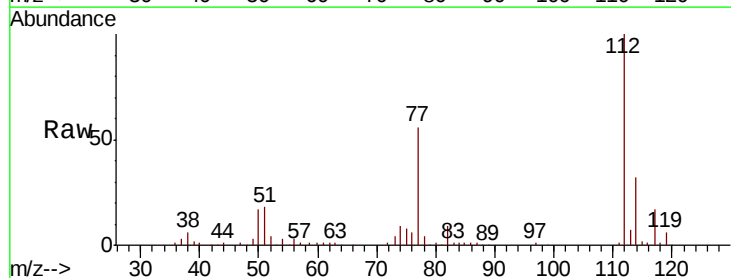
Acq: 29 May 2019 16:13

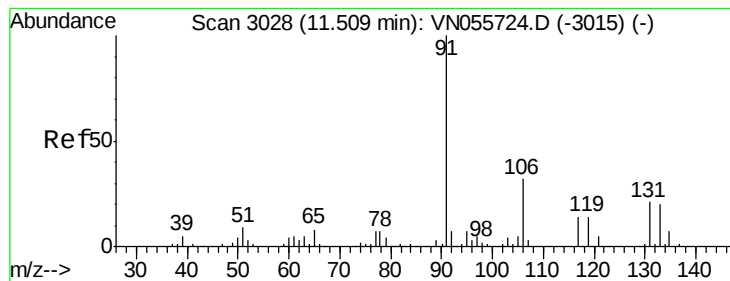
Tgt Ion: 112 Resp: 168000

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.115 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

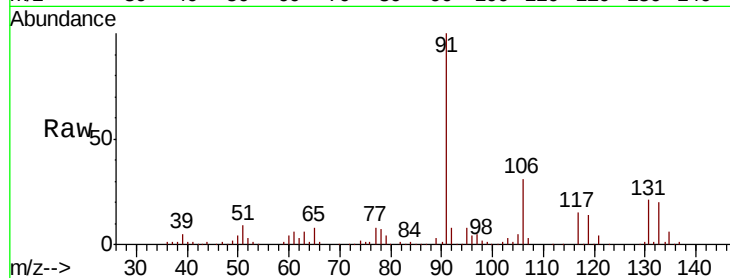
Tot Ion:131 Resp: 62137

Ion Ratio Lower Upper

131 100

133 96.6 0.0 188.8

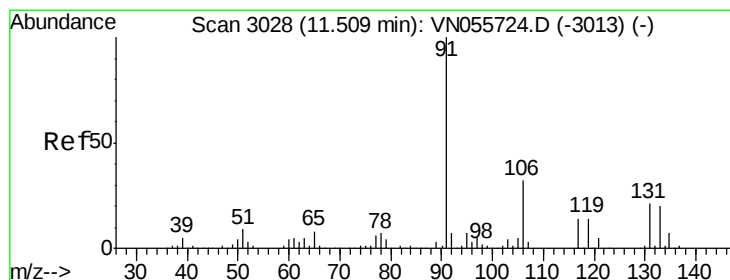
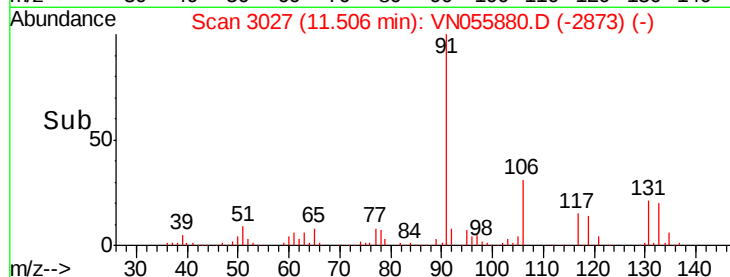
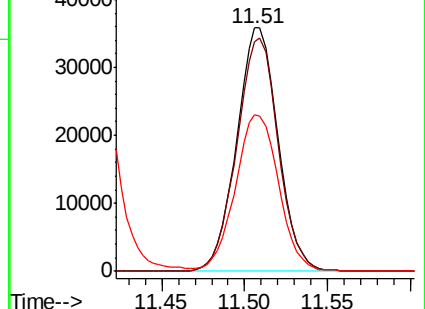
119 66.4 0.0 133.6



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: 20.522 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055880.D

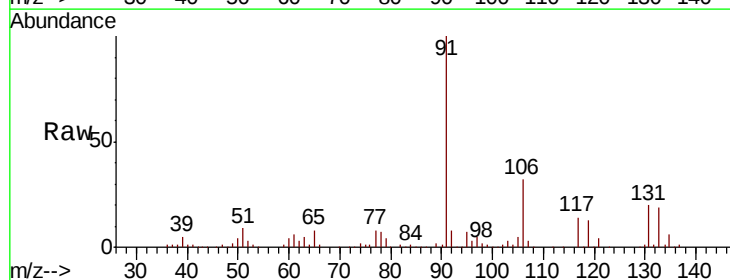
Acq: 29 May 2019 16:13

Tgt Ion: 91 Resp: 298228

Ion Ratio Lower Upper

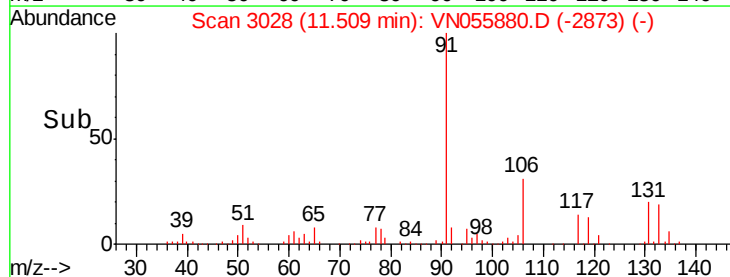
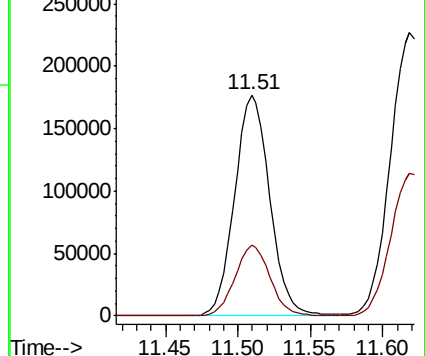
91 100

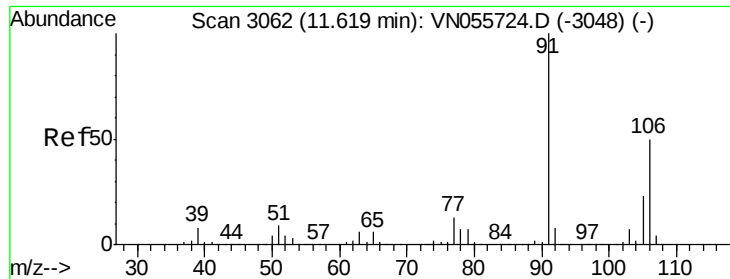
106 31.9 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

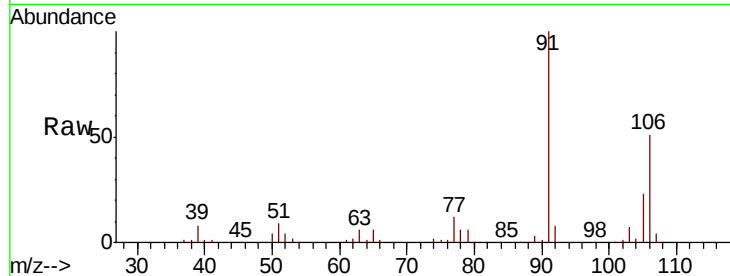




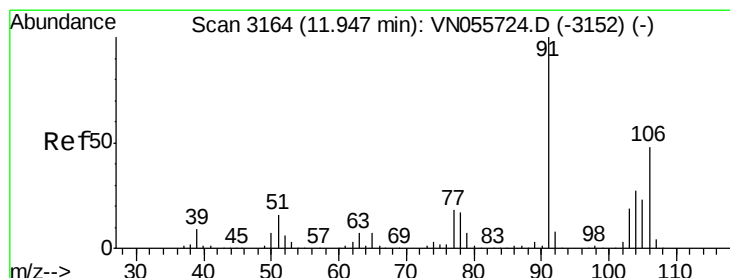
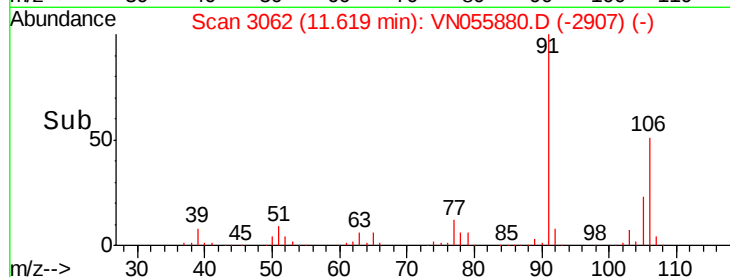
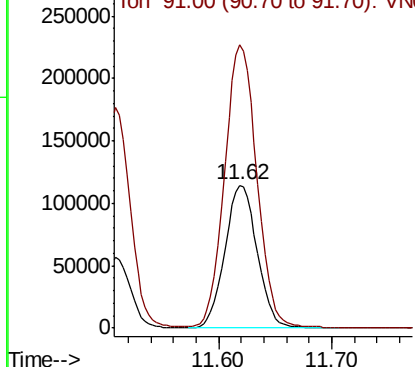
#67
m/p-Xylenes
Concen: 41.223 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion:106 Resp: 227573
Ion Ratio Lower Upper
106 100
91 198.6 159.5 239.3

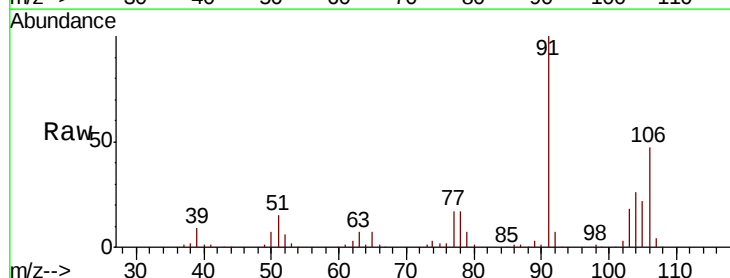


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

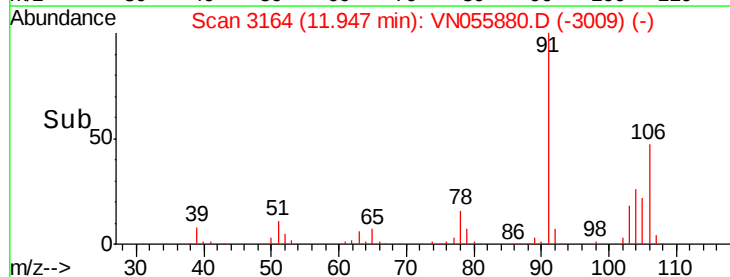
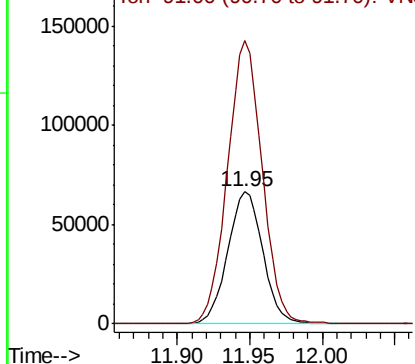


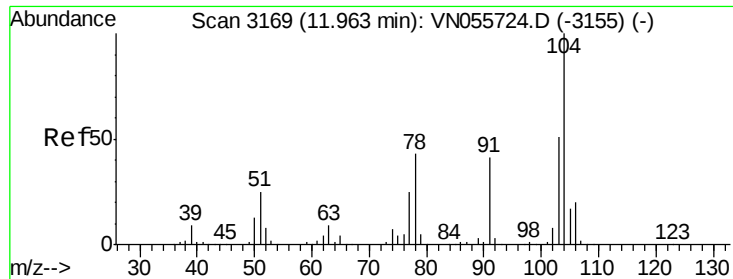
#68
o-Xylene
Concen: 20.419 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion:106 Resp: 111546
Ion Ratio Lower Upper
106 100
91 212.5 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

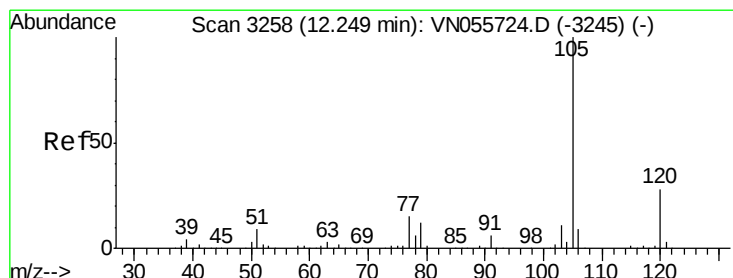
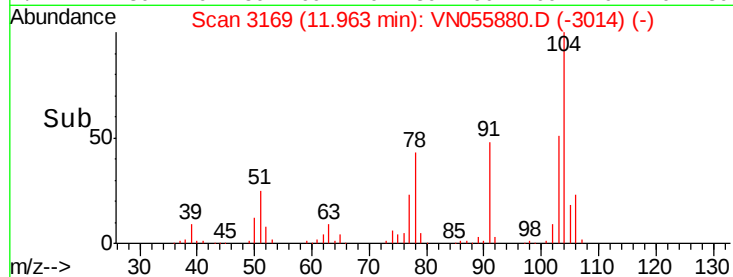
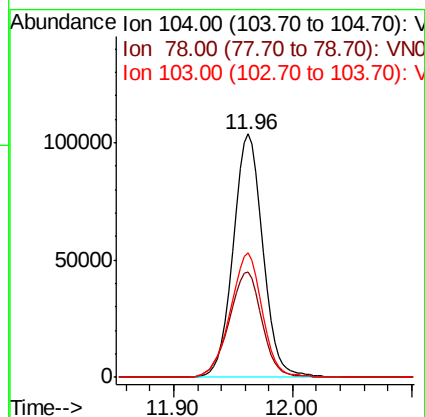
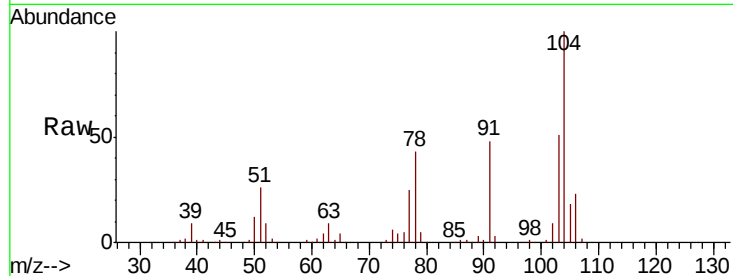




#69
Stvrene
Concen: 19.902 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

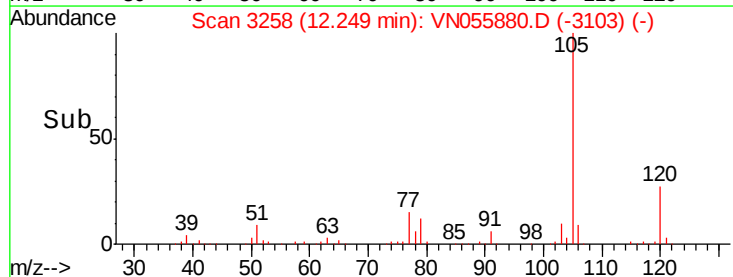
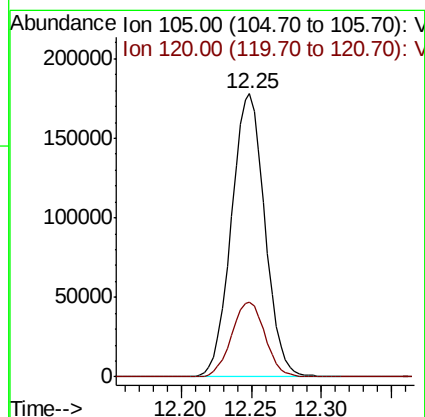
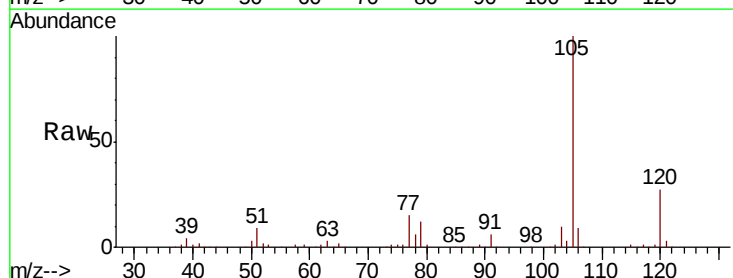
Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

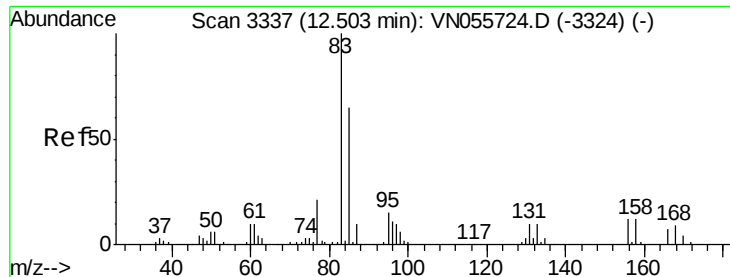
Tot Ion:104 Resp: 179377
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 55.1 45.0 67.6



#70
Isopropylbenzene
Concen: 20.657 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion:105 Resp: 295258
Ion Ratio Lower Upper
105 100
120 26.6 19.2 35.6

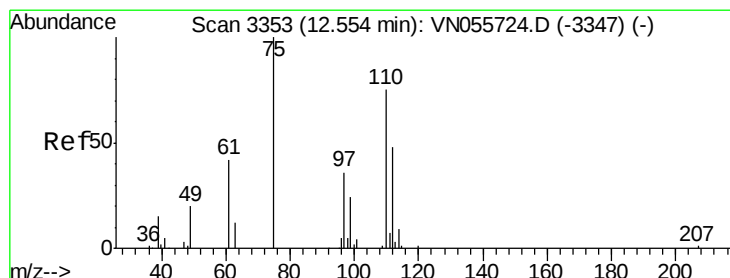
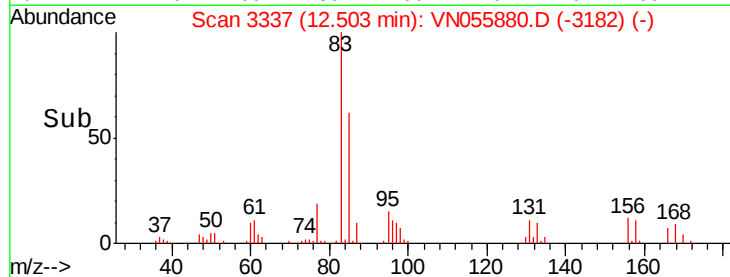
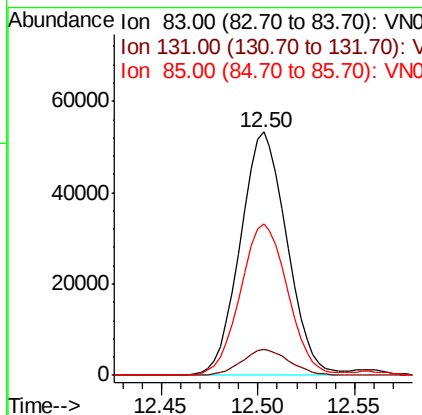
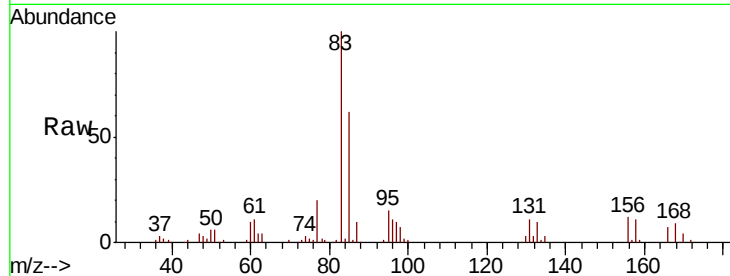




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.355 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

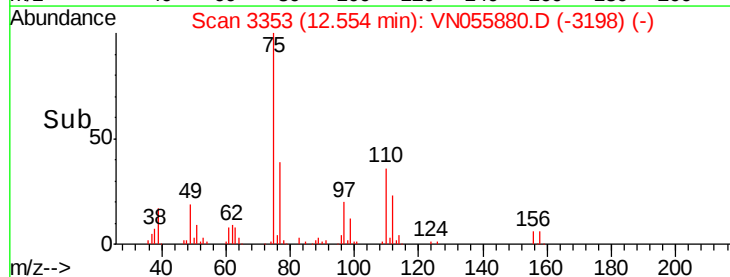
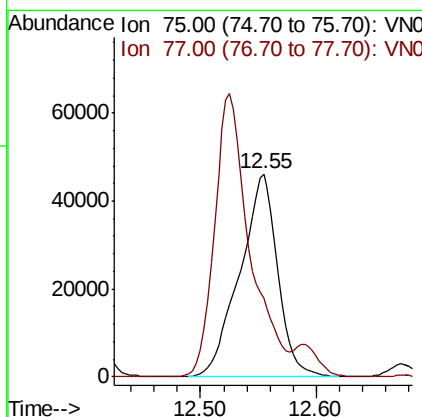
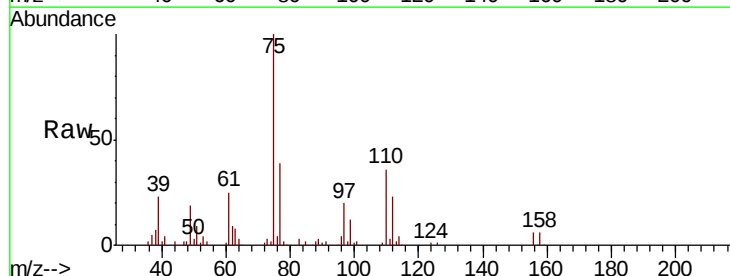
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

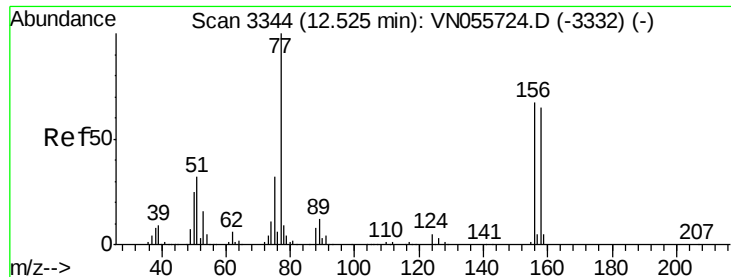
Tot Ion	83	Resp	89539
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	63.1	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 27.697 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	75	Resp	104859
Ion Ratio	Lower	Upper	
75	100		
77	130.2	0.0	349.8





#73

Bromobenzene

Concen: 19.869 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

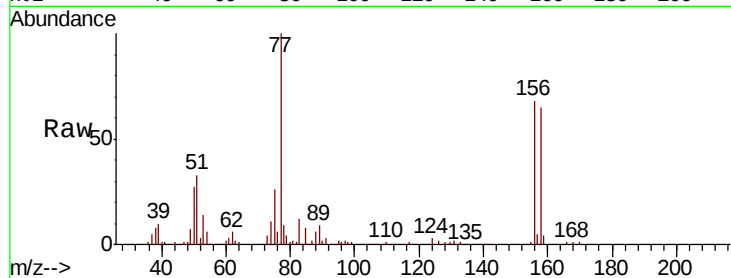
Tot Ion:156 Resp: 75133

Ion Ratio Lower Upper

156 100

77 181.7 0.0 368.0

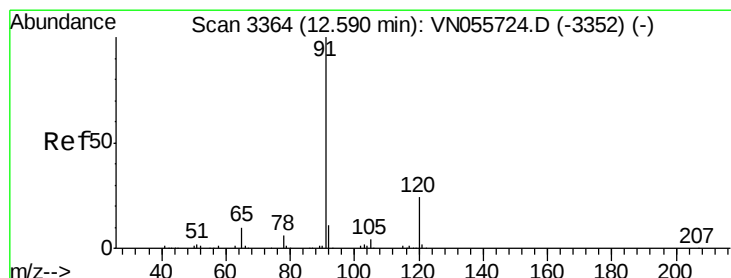
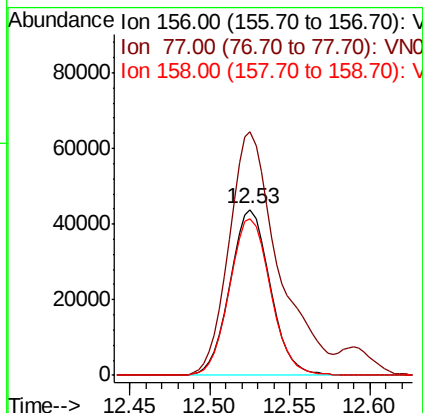
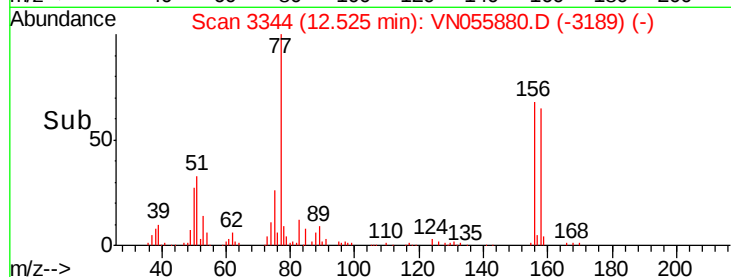
158 96.7 0.0 195.0



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: 20.071 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055880.D

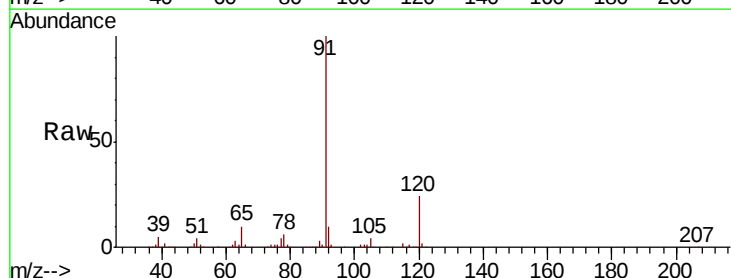
Acq: 29 May 2019 16:13

Tgt Ion: 91 Resp: 309403

Ion Ratio Lower Upper

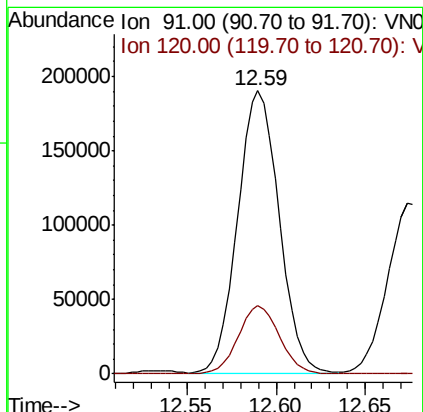
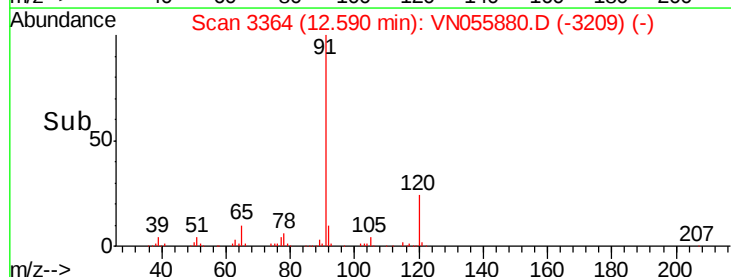
91 100

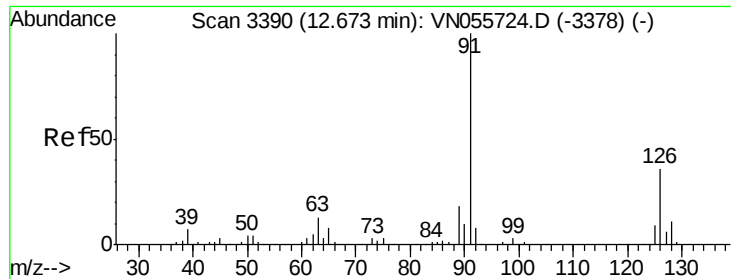
120 23.8 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

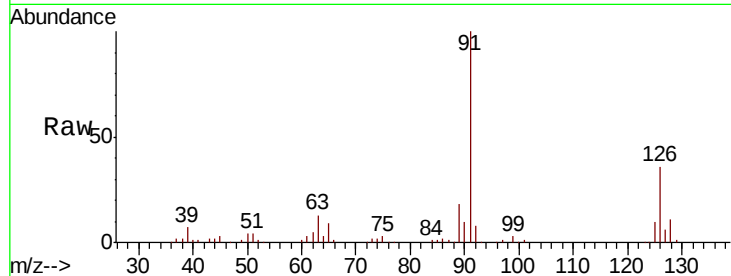
VN0529WBSD01

Tot Ion: 91 Resp: 191498

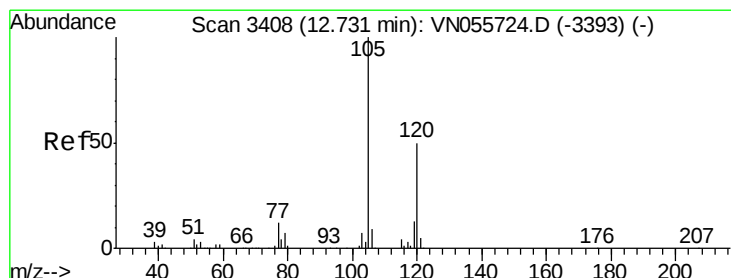
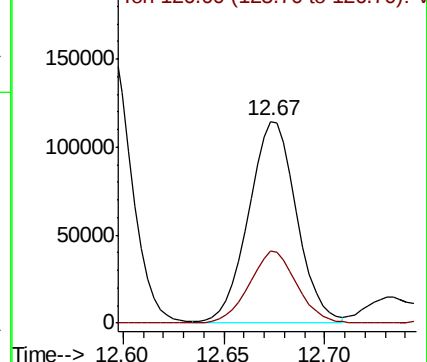
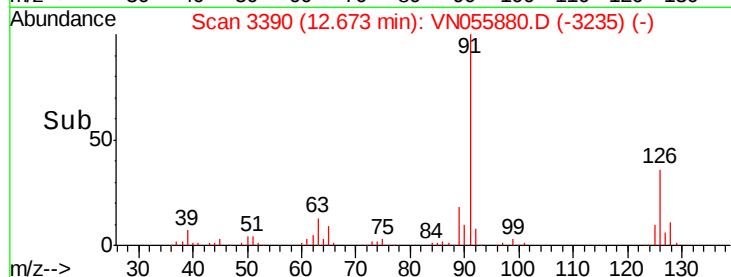
Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055880.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055880.D

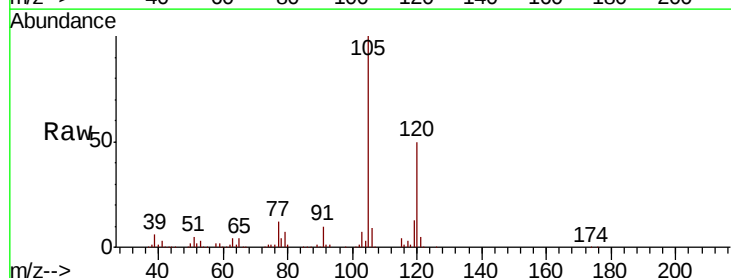
Acq: 29 May 2019 16:13

Tgt Ion: 105 Resp: 240158

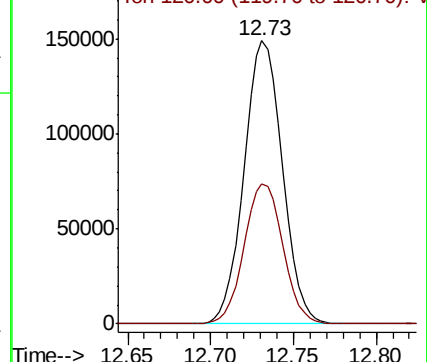
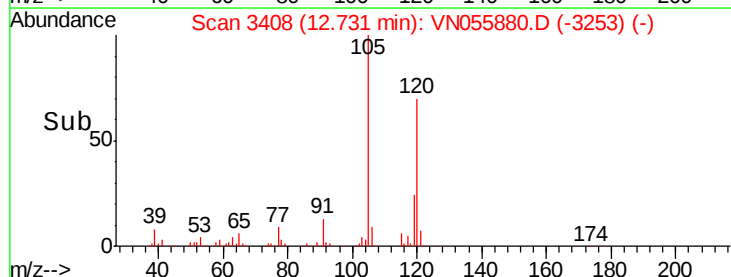
Ion Ratio Lower Upper

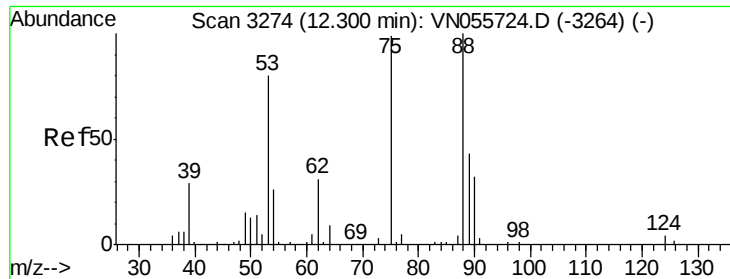
105 100

120 50.0 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055880.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.451 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

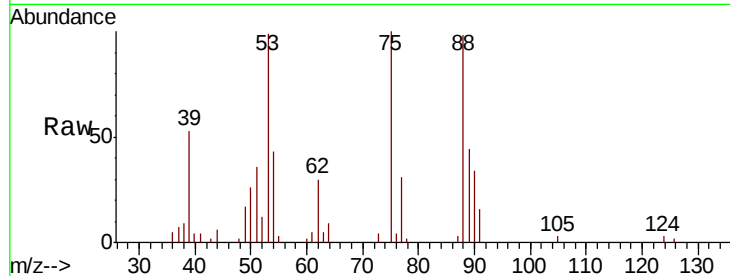
Tot Ion: 75 Resp: 21732

Ion Ratio Lower Upper

75 100

53 99.3 40.1 120.3

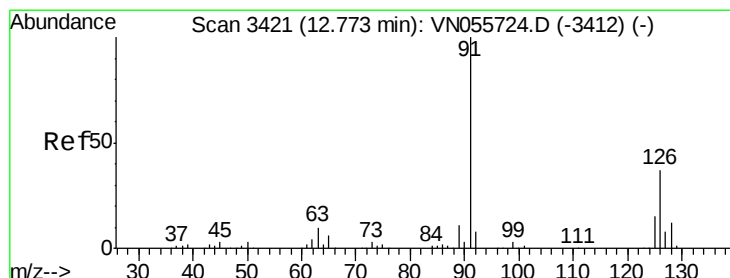
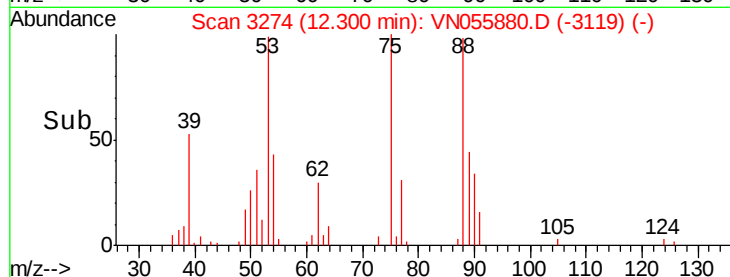
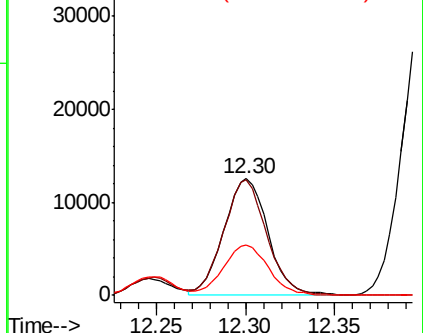
89 43.8 22.6 67.8



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: 19.626 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055880.D

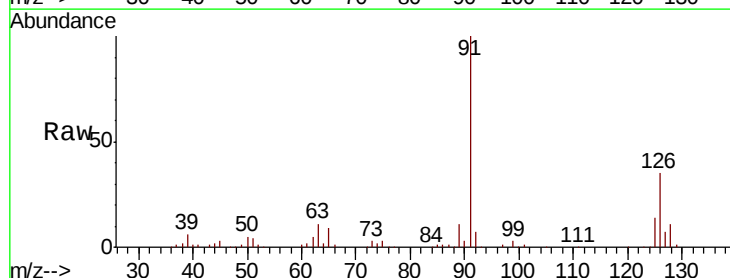
Acq: 29 May 2019 16:13

Tgt Ion: 91 Resp: 175153

Ion Ratio Lower Upper

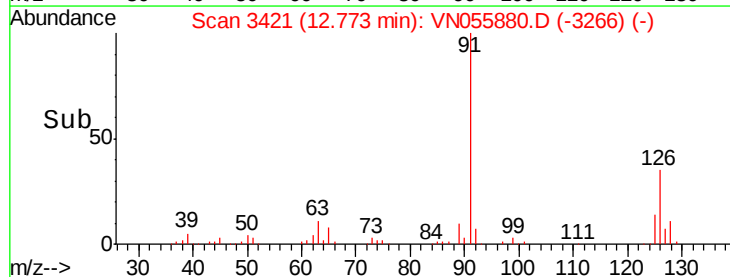
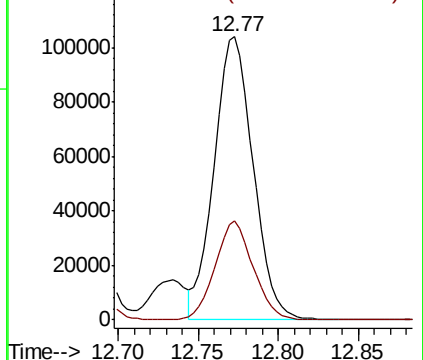
91 100

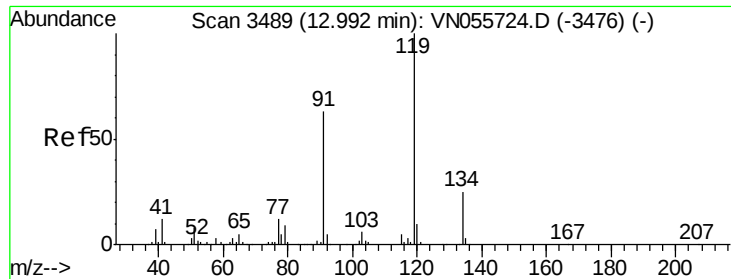
126 33.9 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

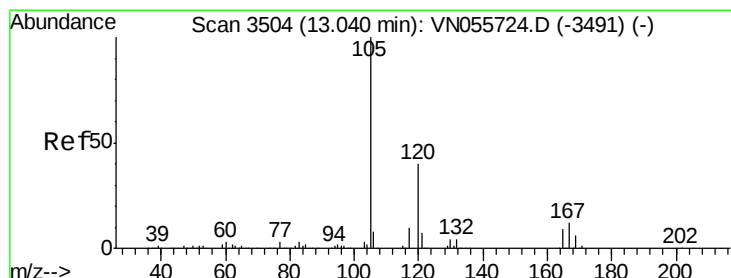
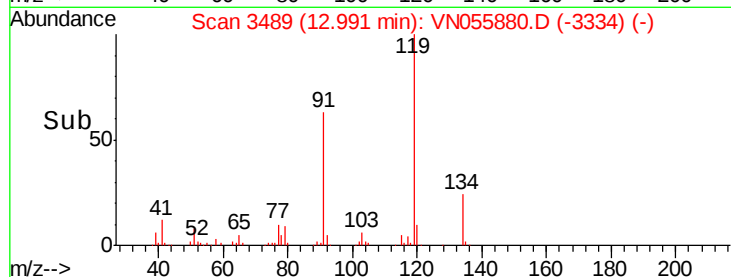
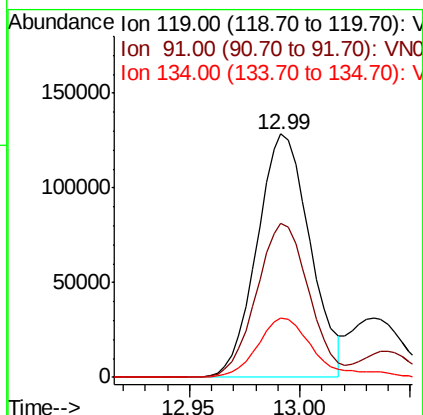
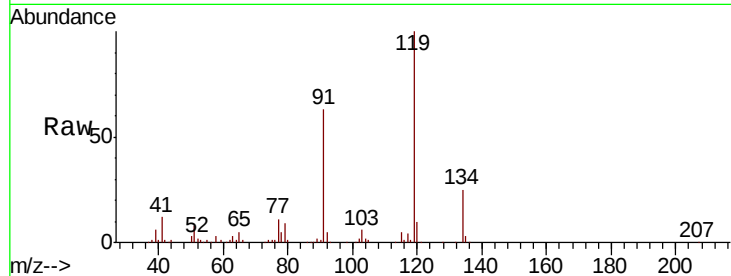




#79
tert-butylbenzene
Concen: 20.593 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

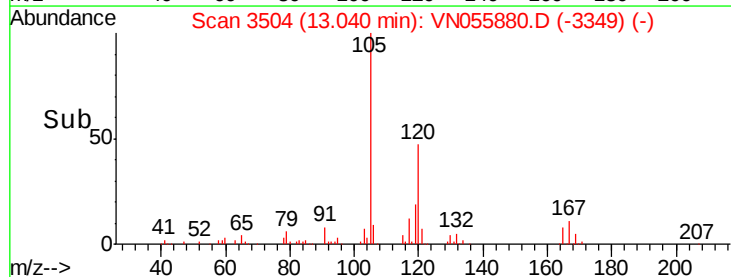
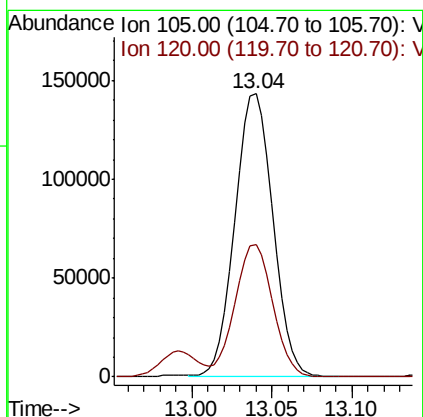
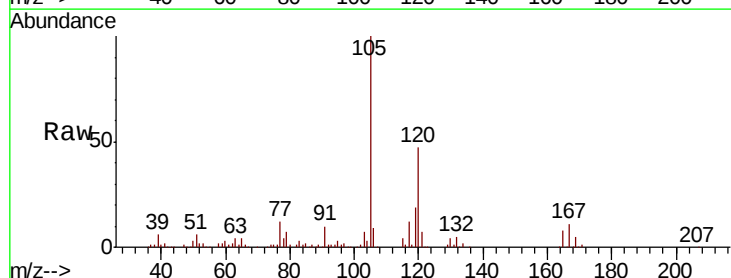
Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

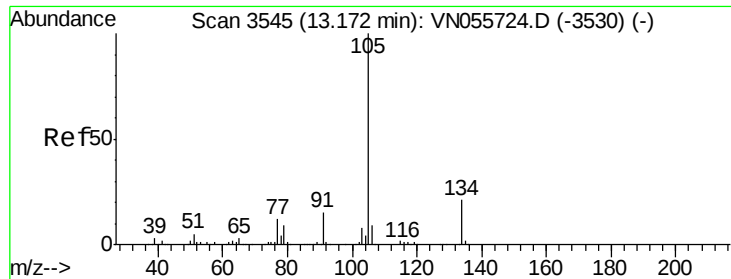
Tot Ion:119 Resp: 213894
Ion Ratio Lower Upper
119 100
91 62.7 0.0 123.8
134 26.2 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion:105 Resp: 232426
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.6





#81

sec-Butylbenzene

Concen: 20.592 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

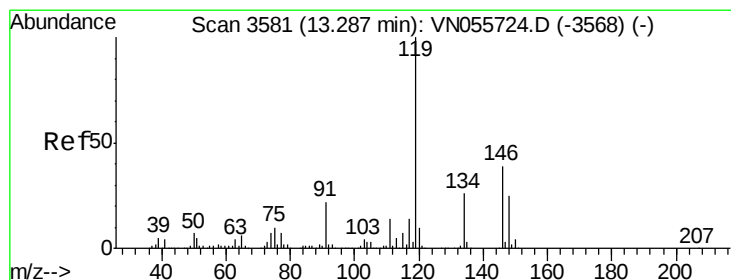
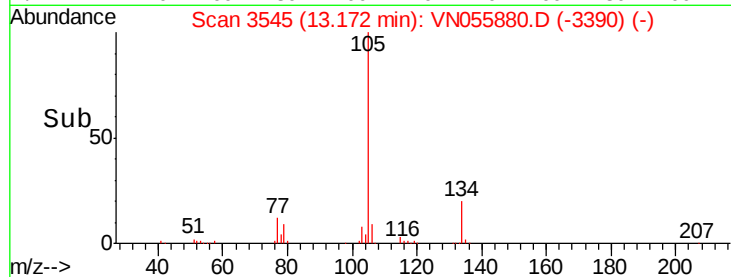
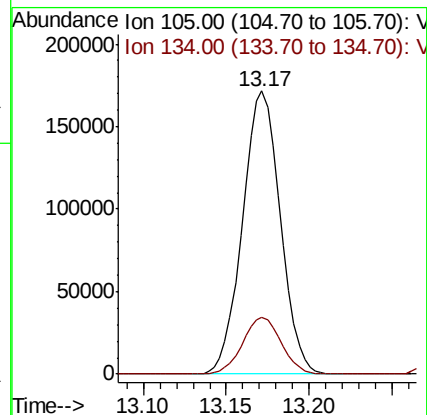
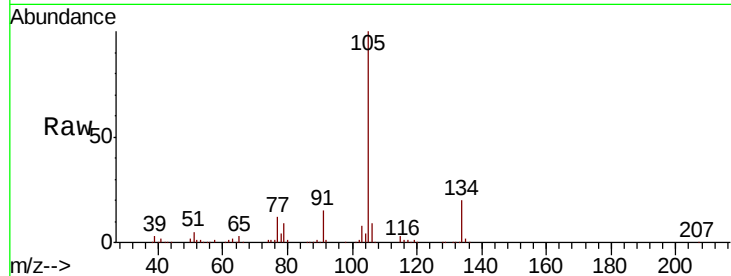
VN0529WBSD01

Tot Ion:105 Resp: 271751

Ion Ratio Lower Upper

105 100

134 20.4 0.0 41.4



#82

p-Isopropyltoluene

Concen: 19.762 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

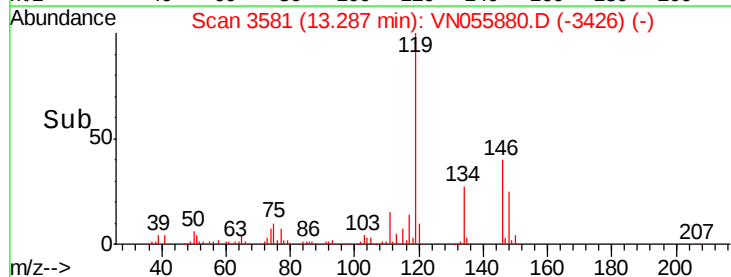
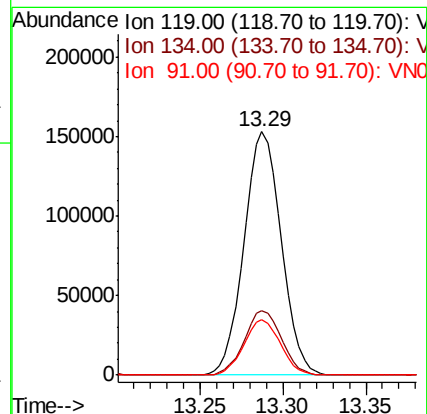
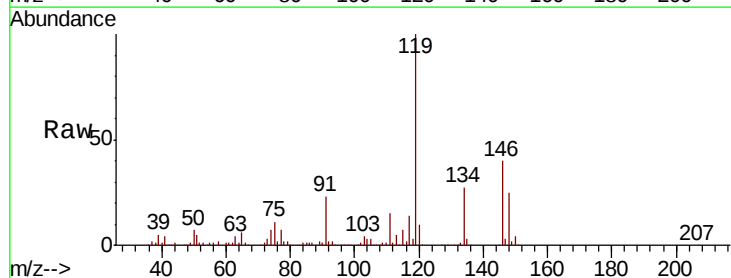
Tgt Ion:119 Resp: 240017

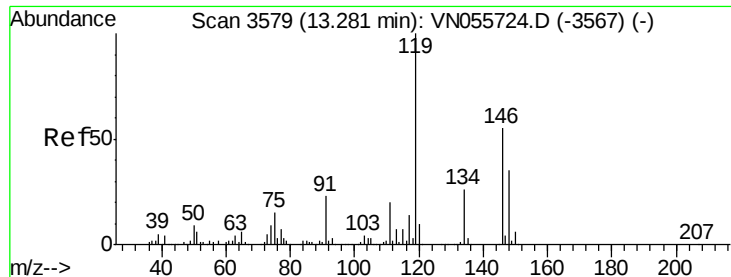
Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.0

91 22.4 0.0 44.4

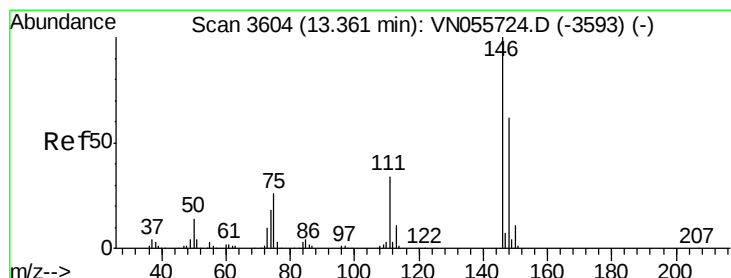
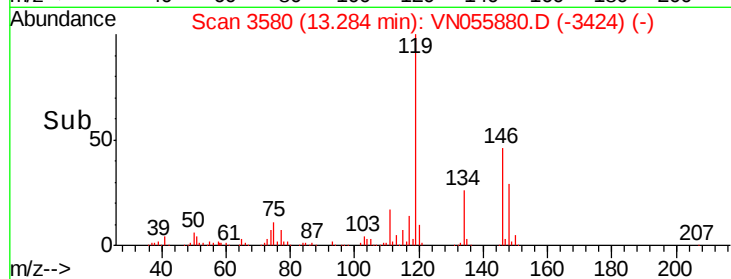
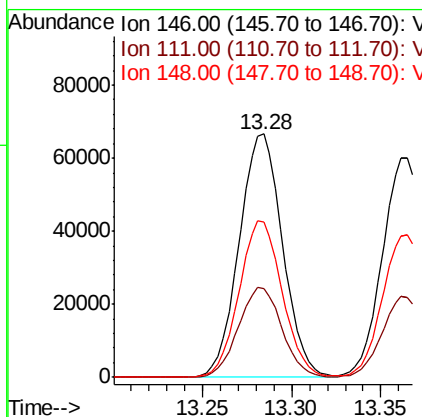
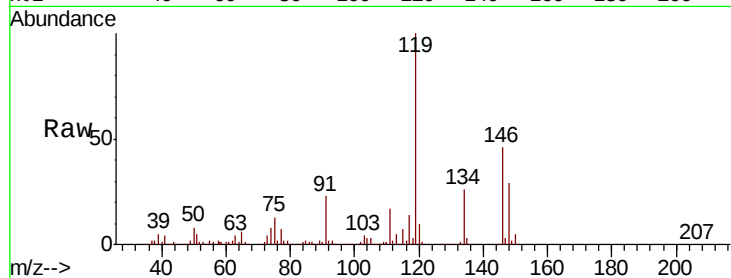




#83
 1,3-Dichlorobenzene
 Concen: 19.076 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

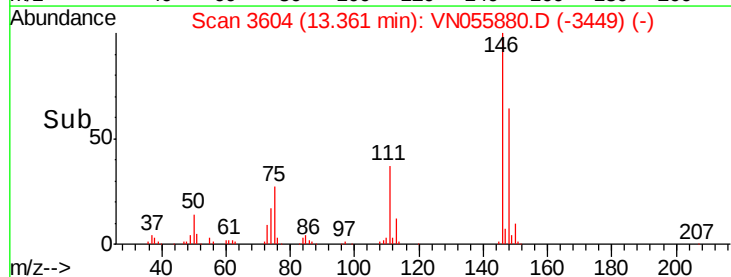
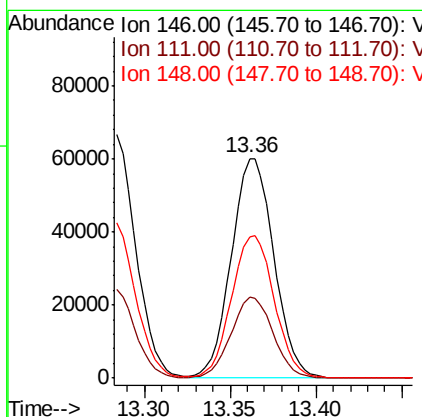
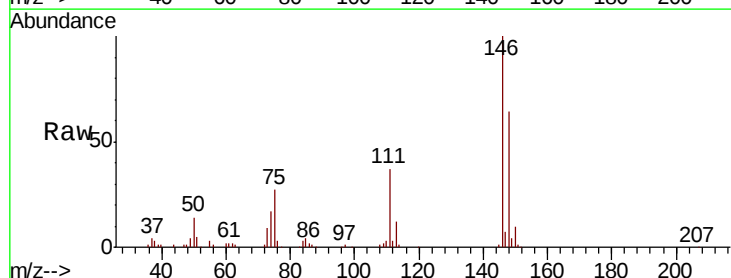
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

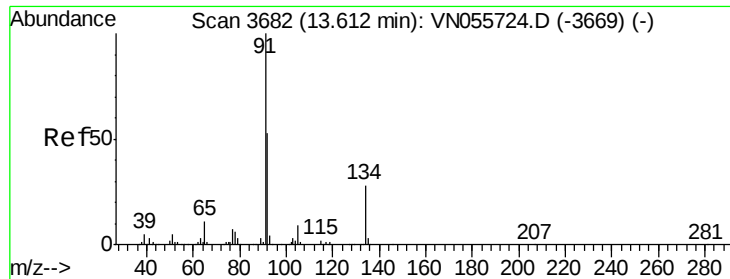
Tot Ion:146 Resp: 113076
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.6
 148 63.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.362 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion:146 Resp: 103657
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.5 52.6
 148 64.5 31.8 95.4

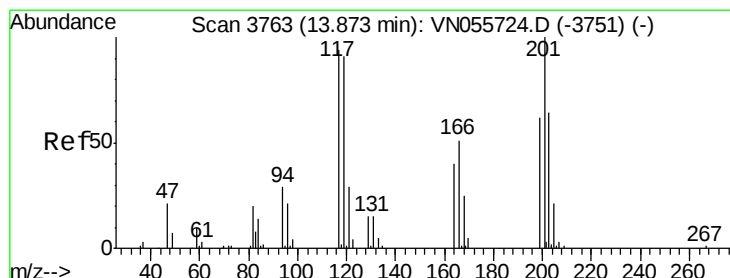
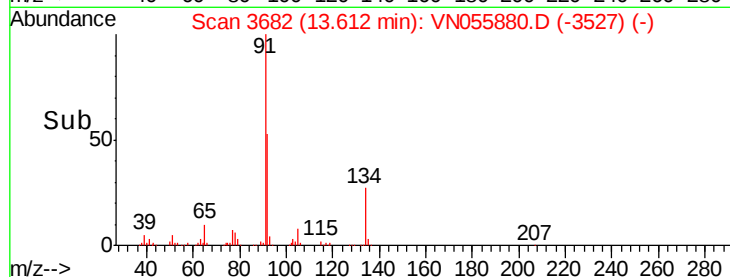
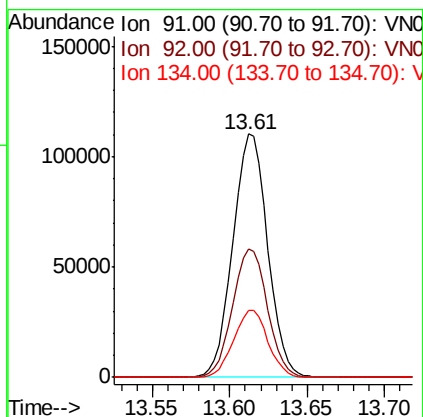
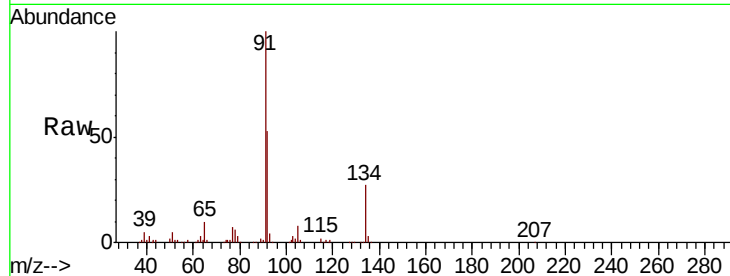




#85
n-Butylbenzene
Concen: 18.196 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

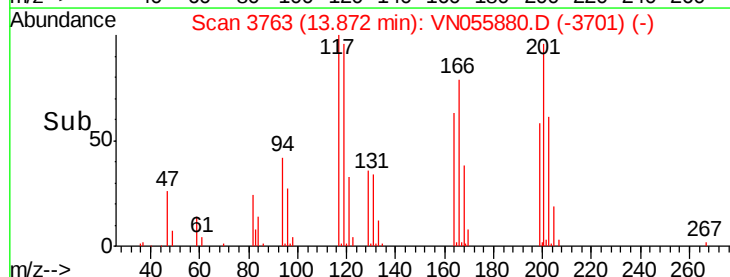
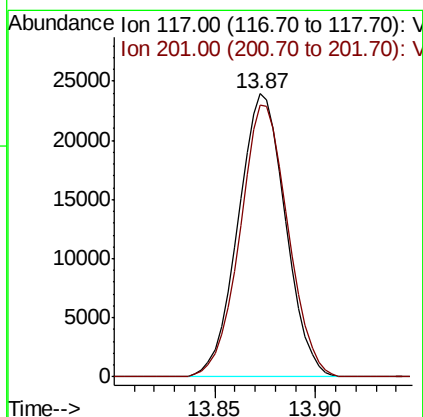
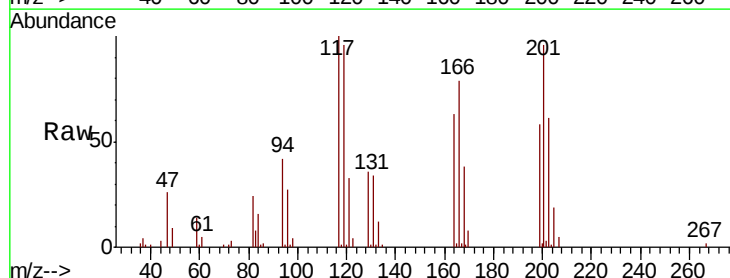
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

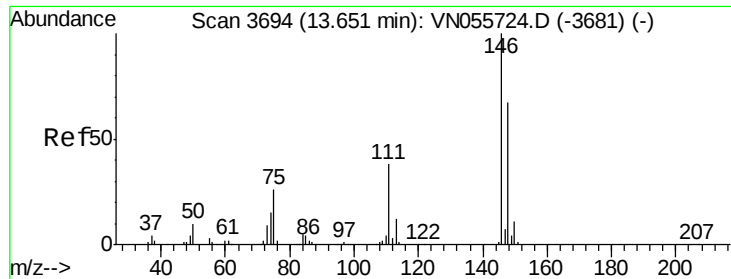
Tot Ion: 91 Resp: 171929
Ion Ratio Lower Upper
91 100
92 52.8 0.0 106.8
134 27.3 0.0 55.2



#86
Hexachloroethane
Concen: 16.466 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 117 Resp: 39334
Ion Ratio Lower Upper
117 100
201 97.1 52.5 157.6

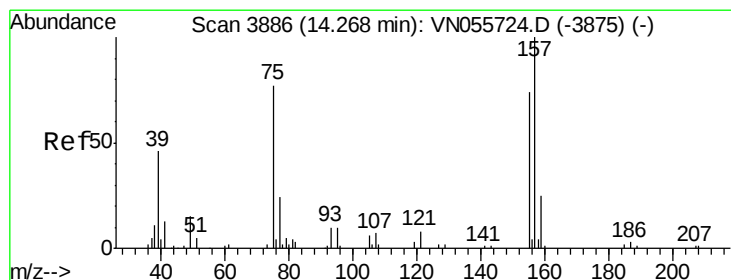
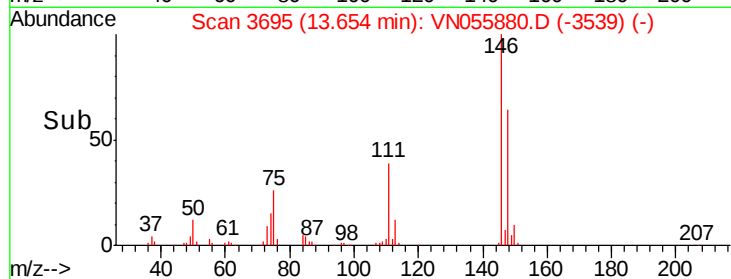
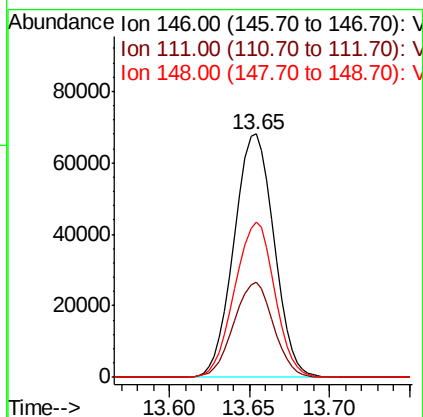
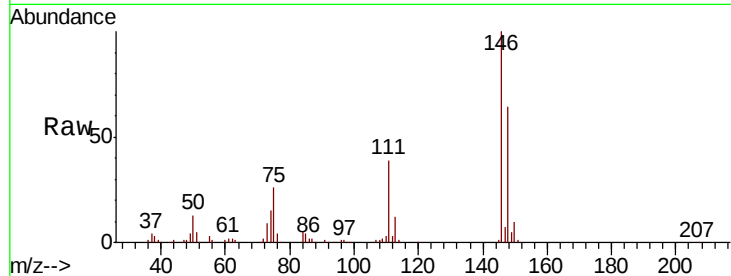




#87
 1,2-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

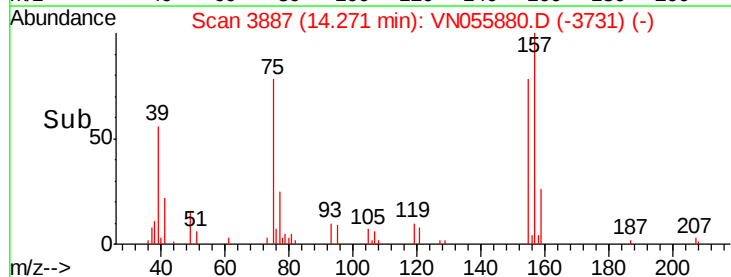
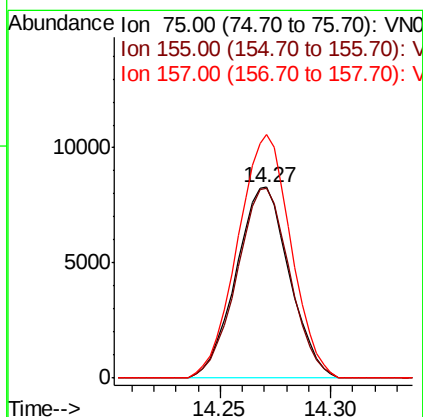
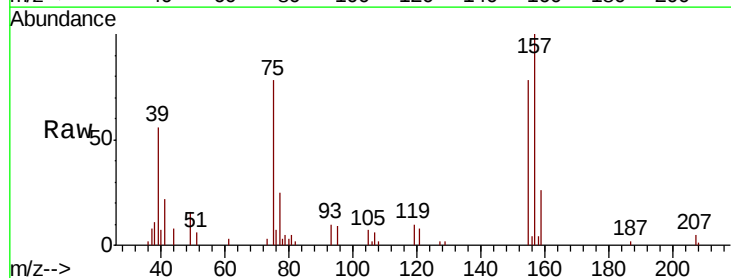
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

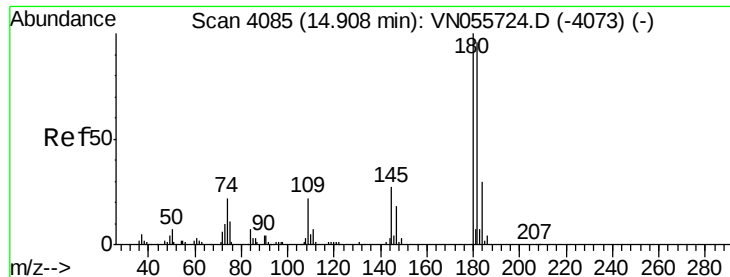
Tot Ion:146 Resp: 116484
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.2 57.6
 148 63.6 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.755 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 75 Resp: 13969
 Ion Ratio Lower Upper
 75 100
 155 98.1 78.4 117.6
 157 126.8 105.0 157.4

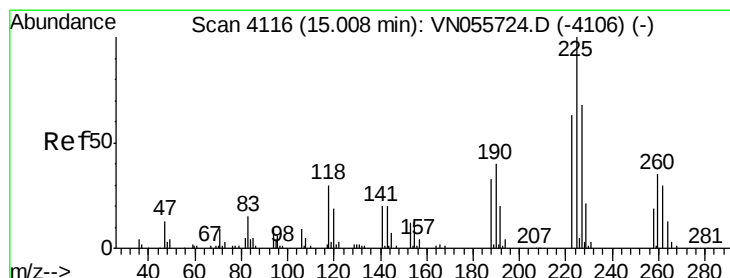
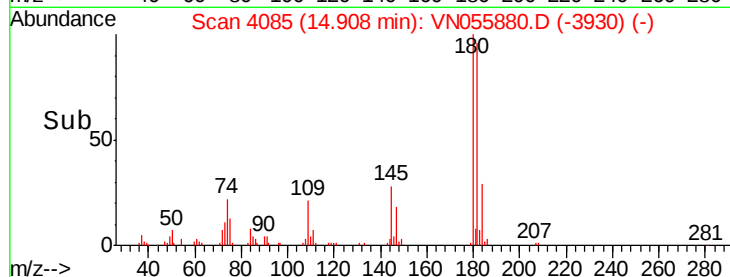
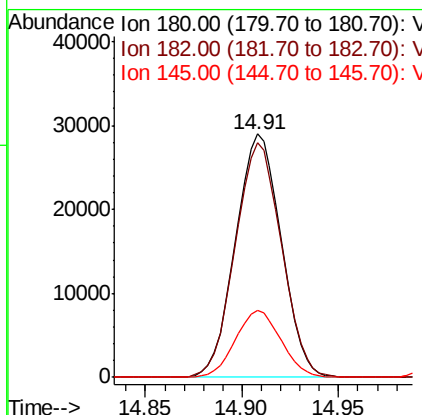
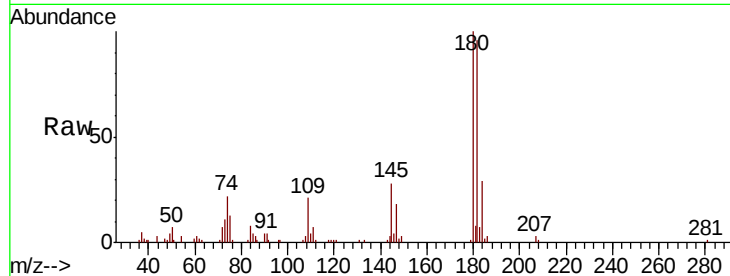




#89
 1,2,4-Trichlorobenzene
 Concen: 14.792 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

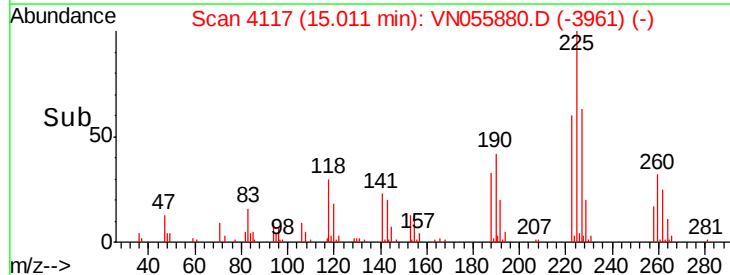
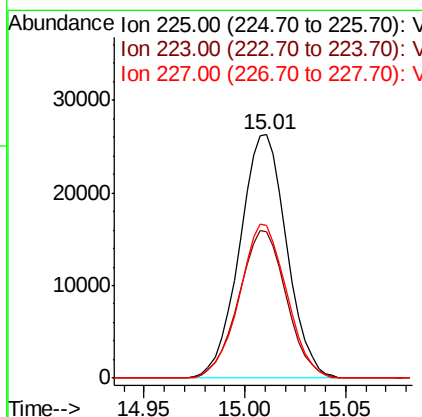
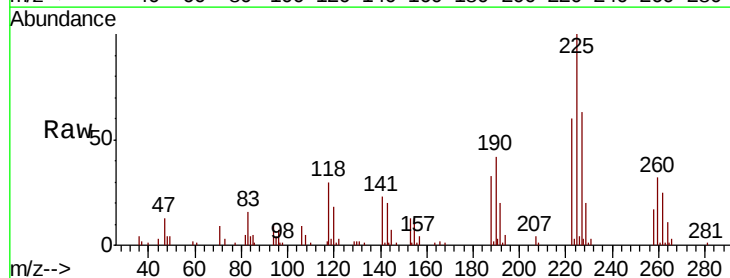
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

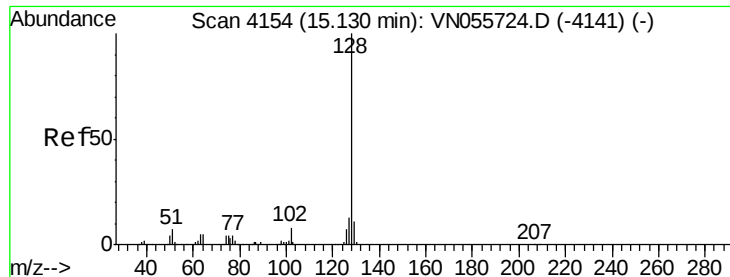
Tot Ion:180 Resp: 47660
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.1 114.1
 145 27.4 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 17.854 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion:225 Resp: 42921
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 126.0
 227 63.5 0.0 133.0





#91

Naphthalene

Concen: 15.732 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

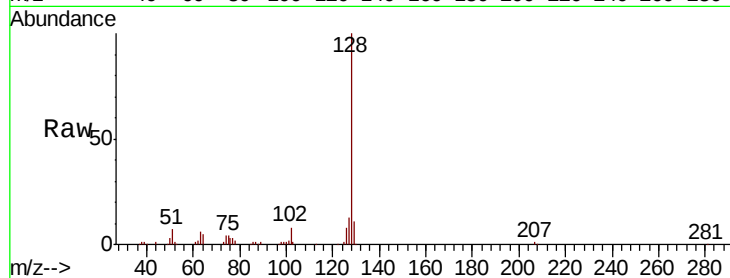
Tot Ion:128 Resp: 138490

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

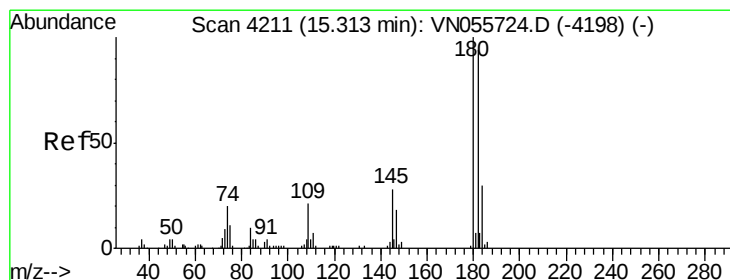
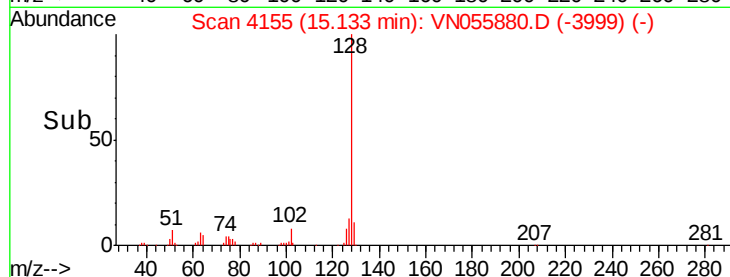
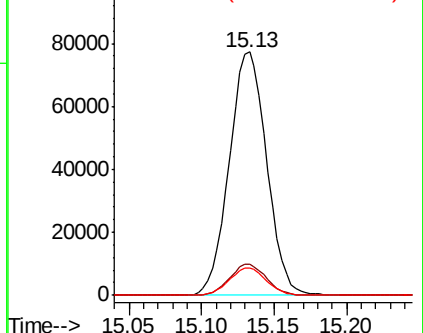
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.578 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

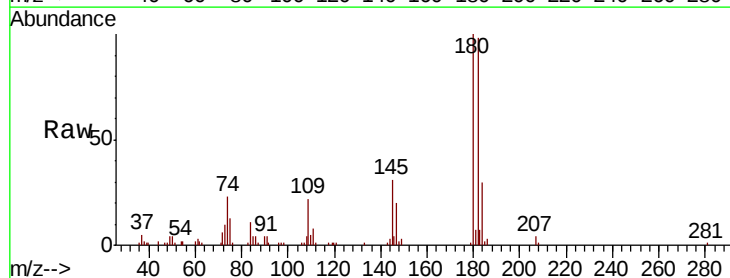
Tgt Ion:180 Resp: 55823

Ion Ratio Lower Upper

180 100

182 95.2 0.0 188.6

145 30.4 0.0 56.8



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

