

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055875.D
 Acq On : 29 May 2019 14:08
 Operator : JC/SP
 Sample : VN0529WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Quant Time: May 30 03:39:17 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	55388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	294950	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	260118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	107931	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	12.40	95	116688	28.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.13%
63) Toluene-d8	10.09	98	359297	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	45435	18.709	ug/l 95
3) Chloromethane	2.06	50	62514	18.098	ug/l 97
4) Vinyl Chloride	2.18	62	67798	19.231	ug/l 99
5) Bromomethane	2.54	94	48565	23.528	ug/l 99
6) Chloroethane	2.69	64	41334	20.069	ug/l 95
7) Trichlorofluoromethane	3.01	101	88927	20.106	ug/l 99
8) Diethyl Ether	3.40	74	39812	20.475	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56516	20.223	ug/l 99
10) 1,1-Dichloroethene	3.72	96	56382	19.286	ug/l 96
11) Methyl Iodide	3.94	142	84684	20.305	ug/l 99
12) Methyl Acetate	4.33	43	67047	18.751	ug/l 100
13) Acrolein	3.60	56	38404	77.300	ug/l 99
14) Acrylonitrile	4.99	53	158392	97.164	ug/l 99
15) Acetone	3.82	58	44816	88.522	ug/l 93
16) Carbon Disulfide	4.04	76	139250	16.613	ug/l 99
17) Allyl chloride	4.31	41	93582	17.773	ug/l 95
18) Methylene Chloride	4.54	84	65840	19.664	ug/l 94
19) trans-1,2-Dichloroethene	5.03	96	60732	19.311	ug/l 97
20) Diisopropyl ether	5.96	45	191374	18.736	ug/l 97
21) 1,1-Dichloroethane	5.84	63	110005	19.056	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	72676	19.814	ug/l 94
23) tert-Butyl Alcohol	4.81	59	62972	87.959	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	189643	19.117	ug/l 99
25) Chloroform	7.37	83	110941	19.458	ug/l 99
26) Cyclohexane	7.65	56	100834	18.933	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	80850	19.581	ug/l 98
30) 2-Butanone	6.84	43	211330	96.024	ug/l 99
31) 2,2-Dichloropropane	6.82	77	83050	17.284	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	96164	19.649	ug/l 100
33) Carbon Tetrachloride	7.77	117	80499	18.387	ug/l 98
34) Benzene	8.04	78	259970	20.393	ug/l 99
35) Methacrylonitrile	7.18	41	36162	17.802	ug/l 95
36) 1,2-Dichloroethane	8.12	62	84857	20.370	ug/l 99
37) Trichloroethene	8.83	130	72845	20.481	ug/l 99
38) Methylcyclohexane	9.08	83	100863	19.280	ug/l 99
39) 1,2-Dichloropropane	9.12	63	66443	19.388	ug/l 99
40) Dibromomethane	9.21	93	44932	20.305	ug/l 96

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Instrument :
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 ClientSampleId :
 VN0529WBS01

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 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	82605	18.214	ug/l	98
42) Vinyl Acetate	5.90	43	805040	94.215	ug/l	100
43) Ethyl Acetate	6.93	43	86540	20.005	ug/l #	100
44) Isopropyl Acetate	8.17	43	132965	18.562	ug/l #	88
45) 1,4-Dioxane	9.20	88	26719	396.475	ug/l	94
46) Methyl methacrylate	9.20	41	65221	19.515	ug/l	98
47) n-amyl Acetate	12.07	43	109079	18.410	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	85230	17.024	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	99030	18.072	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	65104	20.209	ug/l	99
51) Ethyl methacrylate	10.43	69	99782	19.216	ug/l	99
52) 1,3-Dichloropropane	10.71	76	105309	19.832	ug/l	100
53) Dibromochloromethane	10.90	129	67596	17.762	ug/l	99
54) 1,2-Dibromoethane	11.00	107	67155	20.145	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	180068	89.127	ug/l	99
56) Bromoform	12.13	173	48826	15.641	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	423516	98.351	ug/l	99
59) 2-Hexanone	10.75	43	292467	95.003	ug/l	99
61) Tetrachloroethene	10.63	164	73927	20.995	ug/l	98
62) Toluene	10.16	91	284967	20.372	ug/l	99
64) Chlorobenzene	11.43	112	172809	20.366	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	64906	18.985	ug/l	99
66) Ethyl Benzene	11.51	91	305049	19.960	ug/l	100
67) m/p-Xylenes	11.62	106	234392	40.371	ug/l	99
68) o-Xylene	11.95	106	116951	20.356	ug/l	99
69) Styrene	11.96	104	186257	19.650	ug/l	98
70) Isopropylbenzene	12.25	105	307951	20.486	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	92443	19.982	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	108419	27.230	ug/l	69
73) Bromobenzene	12.53	156	79066	19.882	ug/l	98
74) n-propylbenzene	12.59	91	322033	19.863	ug/l	100
75) 2-Chlorotoluene	12.67	91	198620	20.056	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	252528	20.323	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22561	14.265	ug/l	88
78) 4-Chlorotoluene	12.77	91	182138	19.406	ug/l	99
79) tert-butylbenzene	12.99	119	225576	20.650	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	245393	19.894	ug/l	100
81) sec-Butylbenzene	13.17	105	283184	20.404	ug/l	100
82) p-Isopropyltoluene	13.29	119	257651	20.171	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121096	19.425	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113551	19.126	ug/l	100
85) n-Butylbenzene	13.61	91	184715	18.588	ug/l	99
86) Hexachloroethane	13.87	117	42006	16.720	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	127281	20.276	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15082	17.201	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	53928	15.915	ug/l	99
90) Hexachlorobutadiene	15.01	225	48753	19.283	ug/l	97
91) Naphthalene	15.13	128	150963	16.305	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62091	17.533	ug/l	99

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ClientSampleId :
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Quant Time: May 30 03:39:17 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

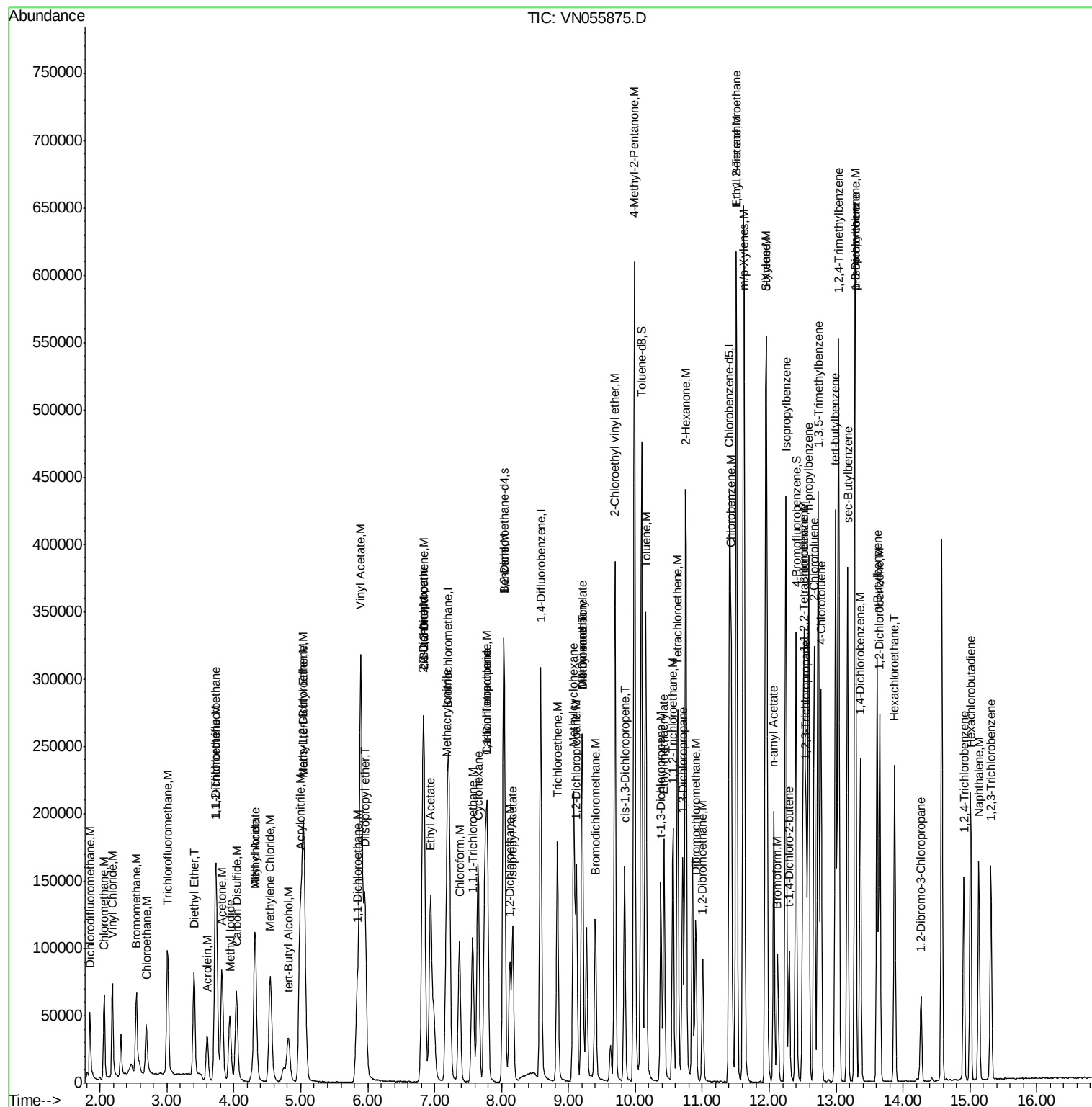
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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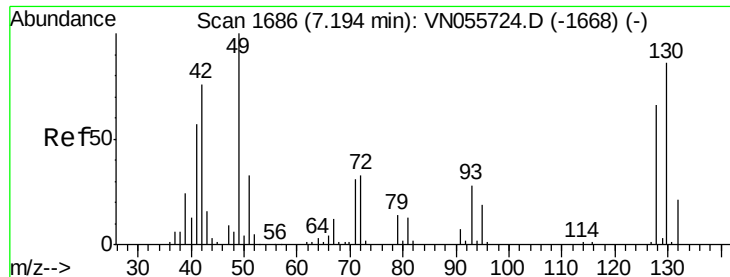
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN055875.D
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Sample : VN0529WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Quant Time: May 30 03:39:17 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: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

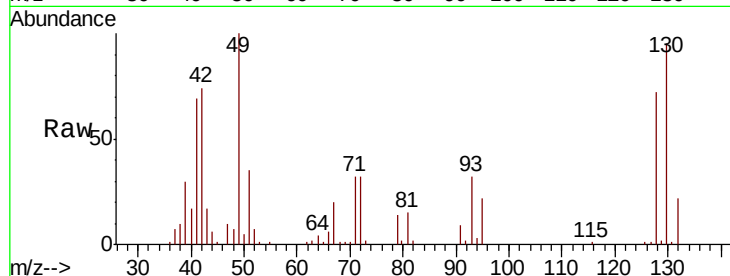
Tot Ion:128 Resp: 55388

Ion Ratio Lower Upper

128 100

49 144.5 0.0 383.2

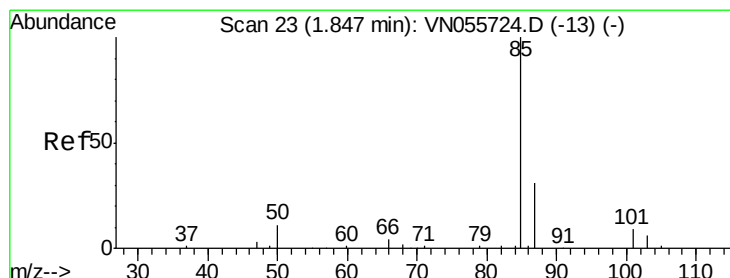
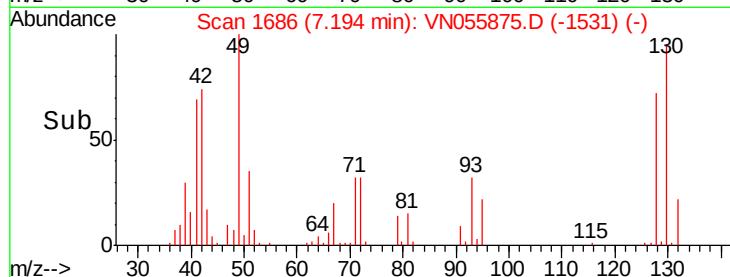
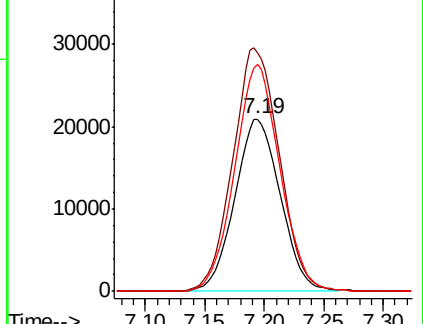
130 130.7 0.0 326.3



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: 18.709 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055875.D

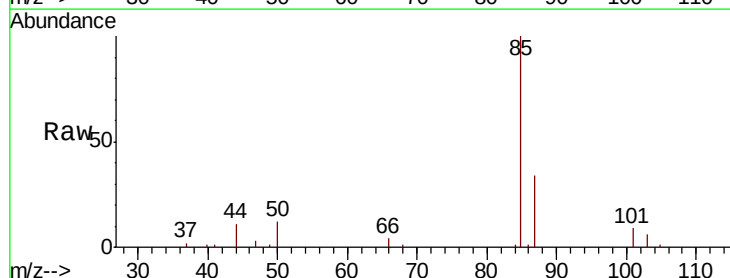
Acq: 29 May 2019 14:08

Tgt Ion: 85 Resp: 45435

Ion Ratio Lower Upper

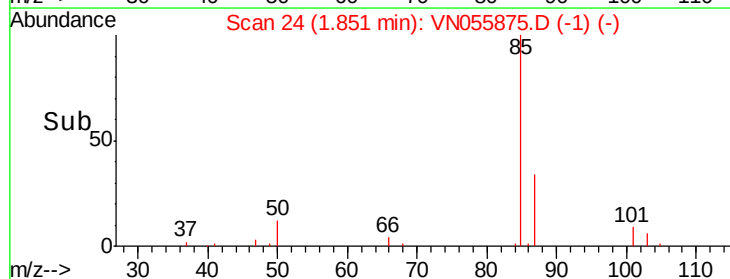
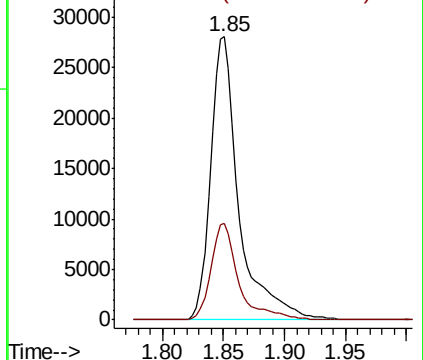
85 100

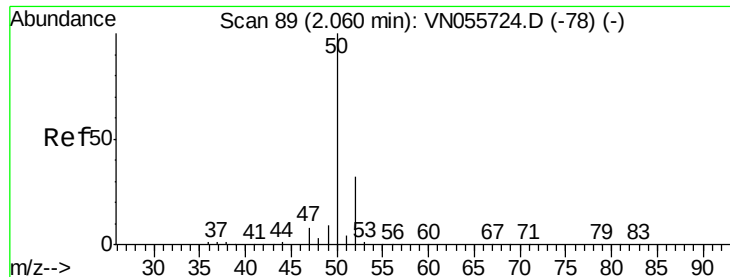
87 33.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.098 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

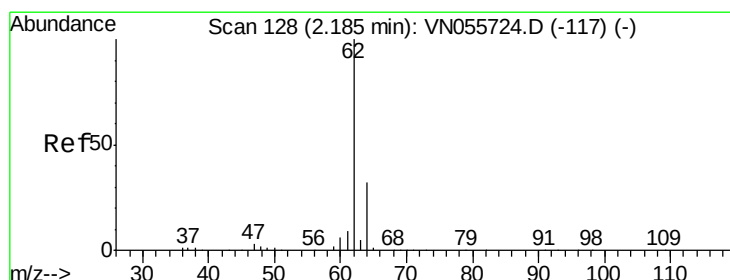
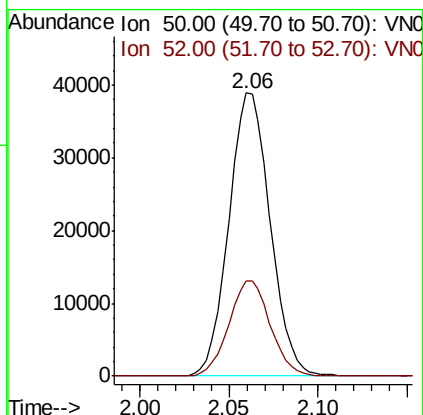
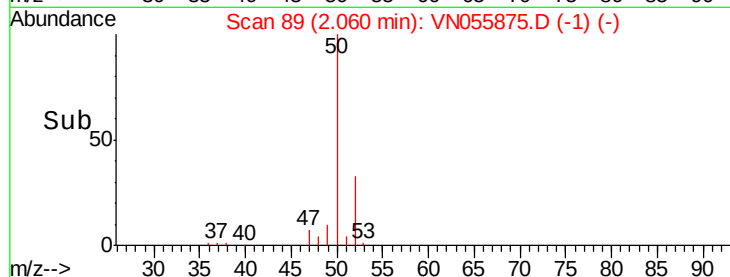
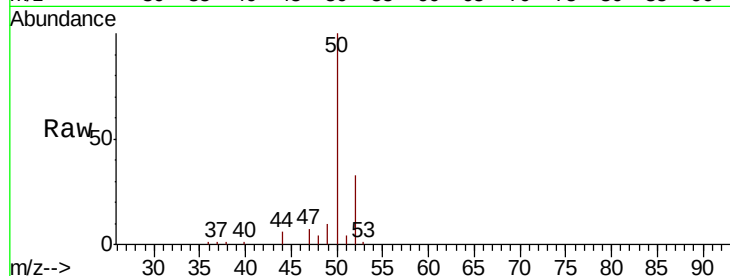
VN0529WBS01

Tot Ion: 50 Resp: 62514

Ion Ratio Lower Upper

50 100

52 33.5 25.4 38.2



#4

Vinyl Chloride

Concen: 19.231 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055875.D

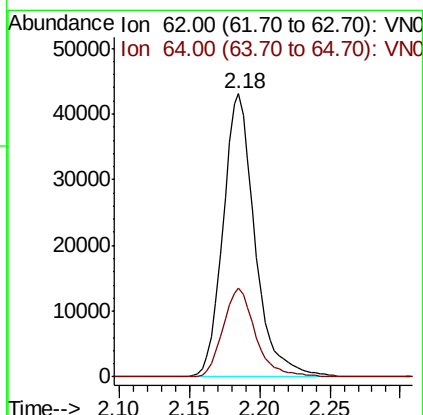
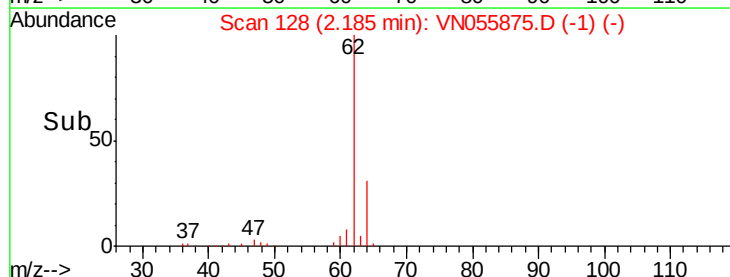
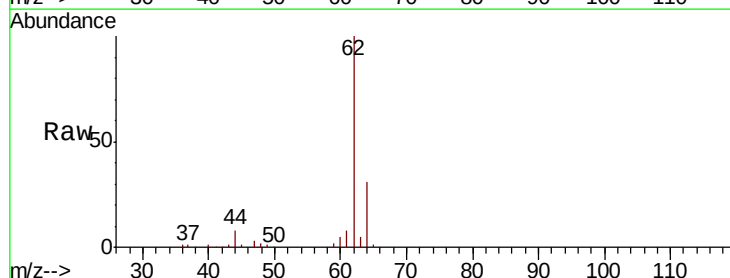
Acq: 29 May 2019 14:08

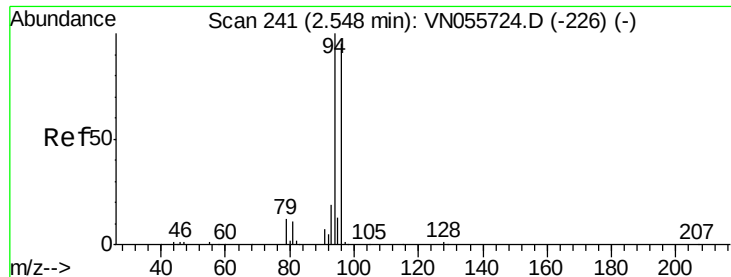
Tgt Ion: 62 Resp: 67798

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 23.528 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

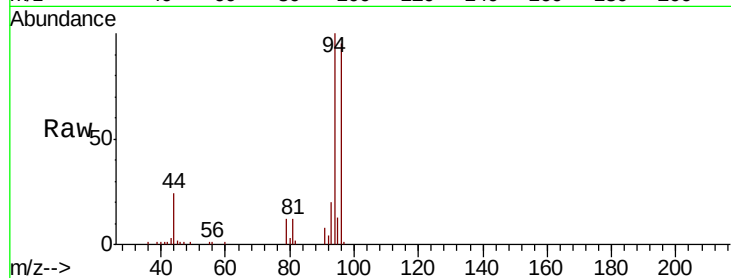
VN0529WBS01

Tot Ion: 94 Resp: 48565

Ion Ratio Lower Upper

94 100

96 95.4 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

5000

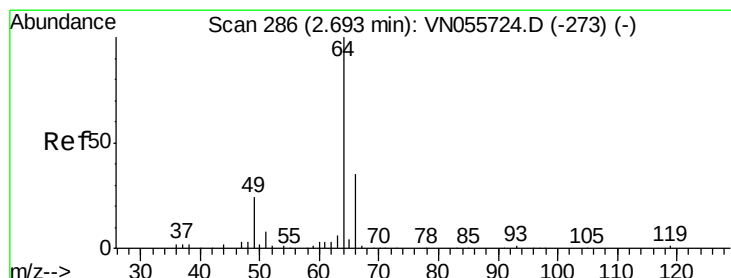
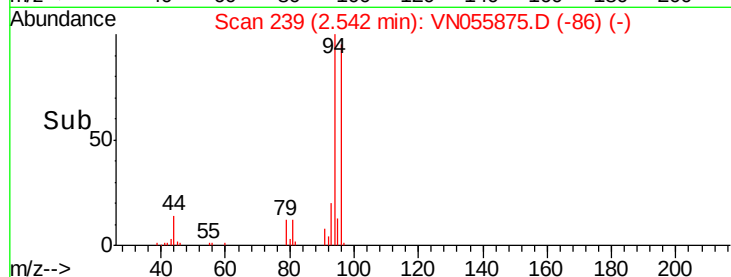
0

2.54

2.50

2.60

Time-->



#6

Chloroethane

Concen: 20.069 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055875.D

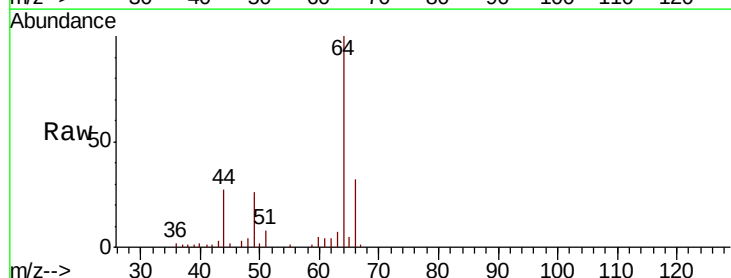
Acq: 29 May 2019 14:08

Tgt Ion: 64 Resp: 41334

Ion Ratio Lower Upper

64 100

66 31.8 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

10000

5000

0

2.69

2.60

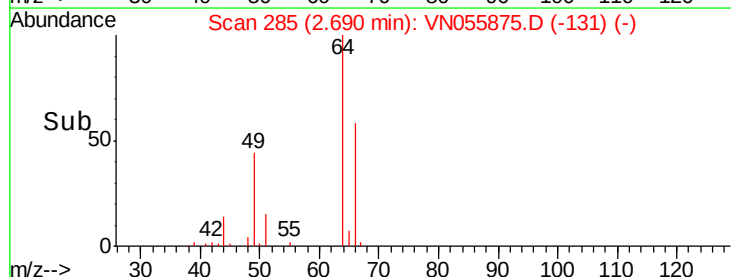
2.65

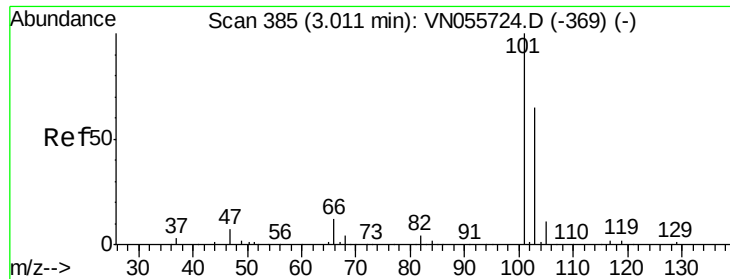
2.70

2.75

2.80

Time-->



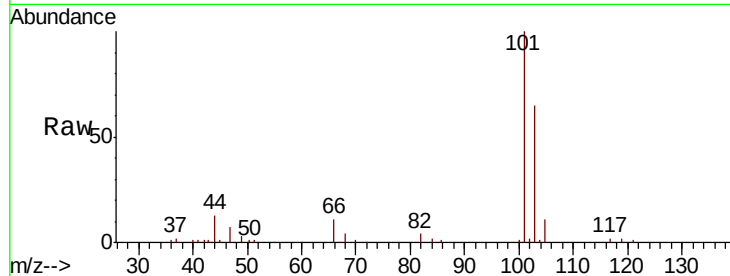


#7

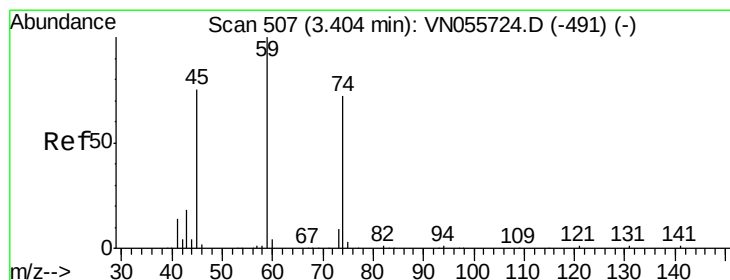
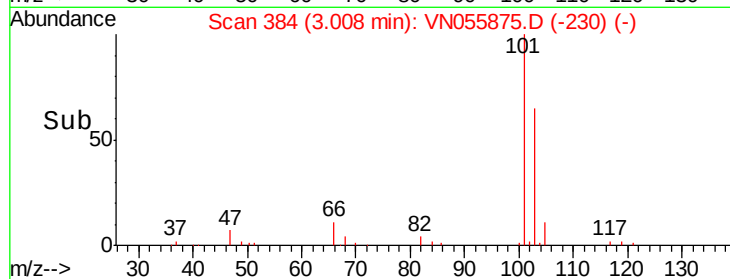
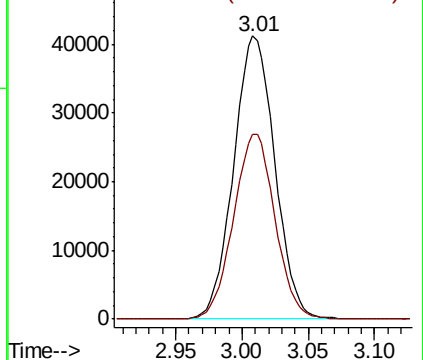
Trichlorofluoromethane
 Concen: 20.106 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
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 VN0529WBS01

Tot Ion:101 Resp: 88927
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 78.8



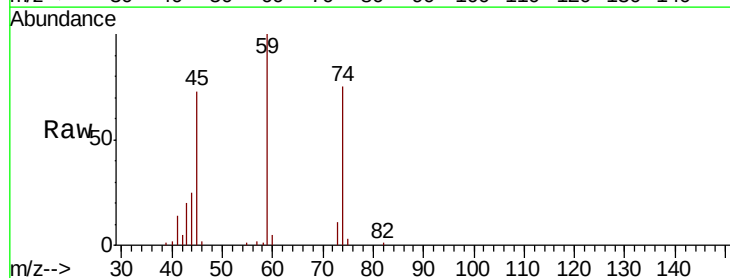
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



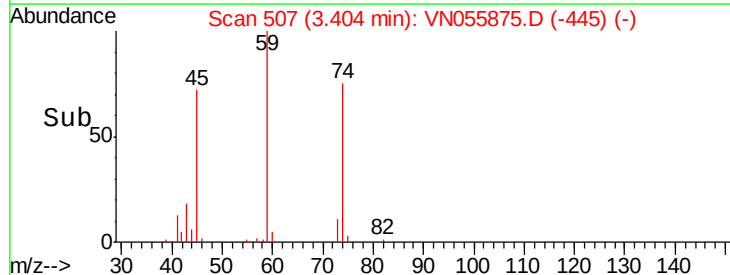
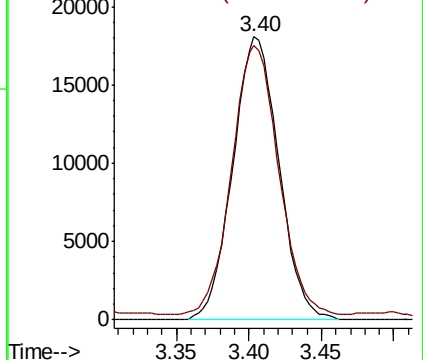
#8

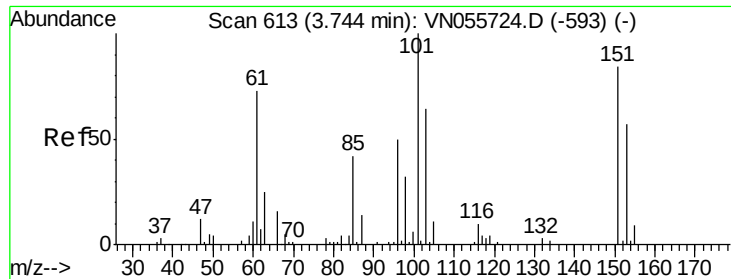
Diethyl Ether
 Concen: 20.475 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 74 Resp: 39812
 Ion Ratio Lower Upper
 74 100
 45 96.4 20.4 184.0



Abundance Ion 74.00 (73.70 to 74.70): VN0
 Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.223 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

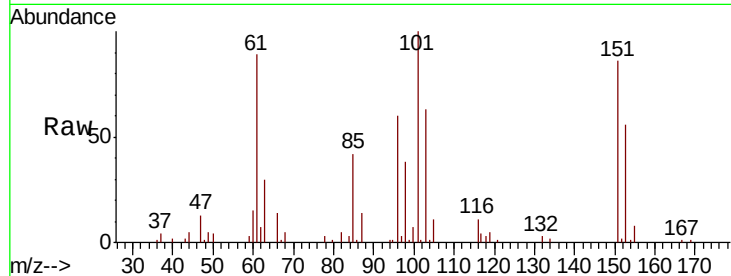
Tot Ion:101 Resp: 56516

Ion Ratio Lower Upper

101 100

85 41.9 0.0 86.6

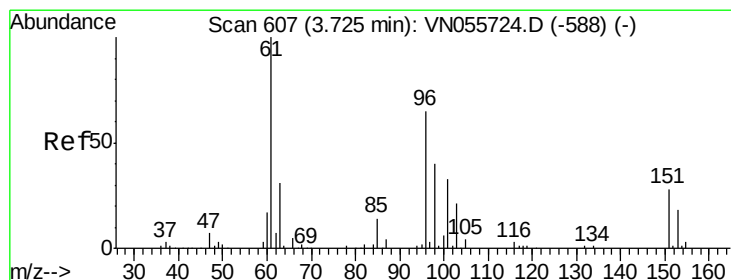
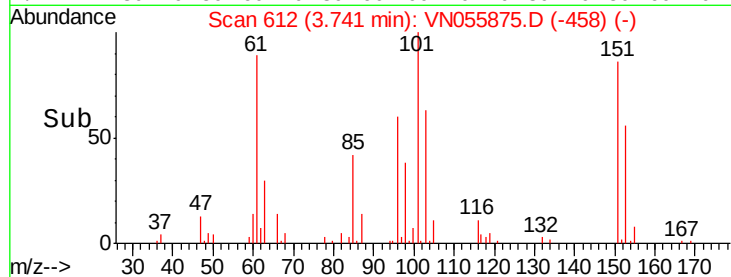
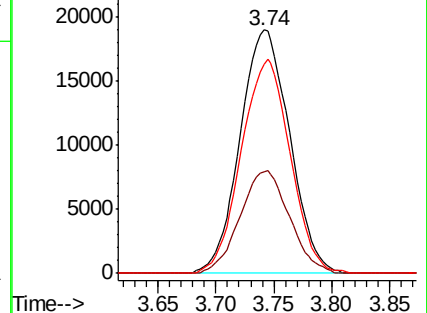
151 86.4 0.0 172.2



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: 19.286 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

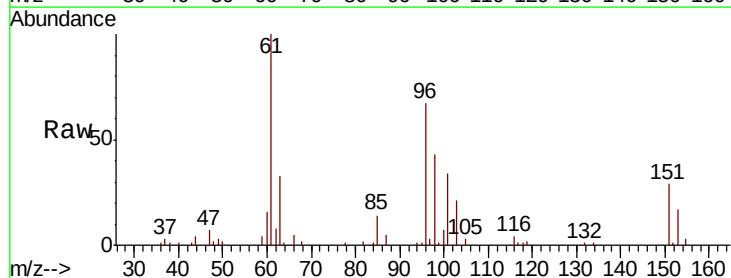
Tgt Ion: 96 Resp: 56382

Ion Ratio Lower Upper

96 100

61 148.6 123.7 185.5

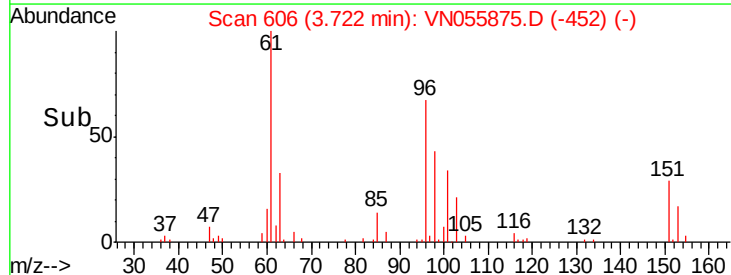
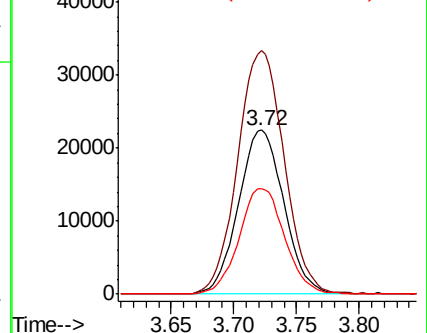
98 64.3 50.0 75.0

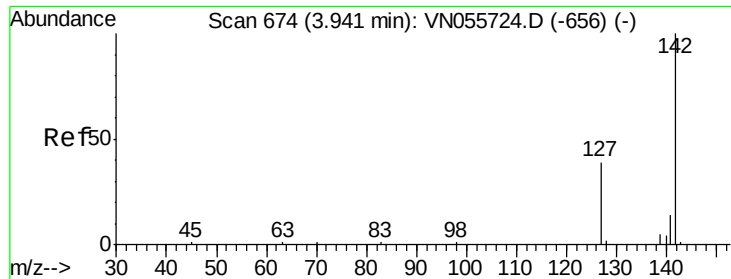


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

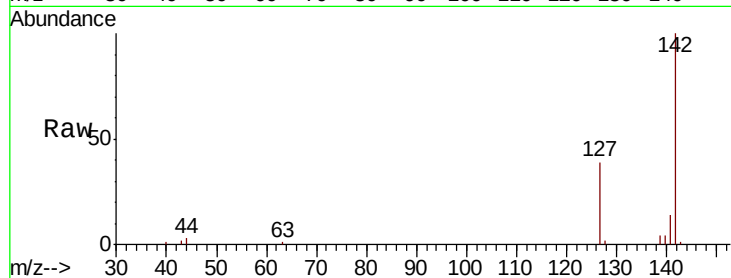




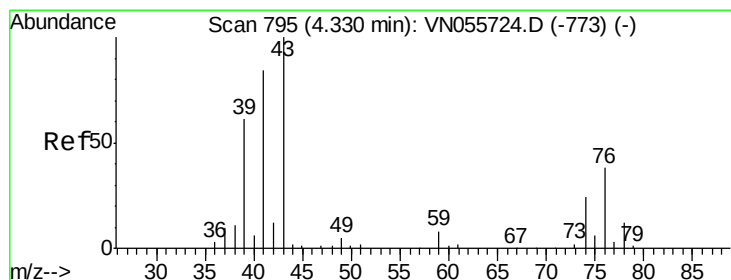
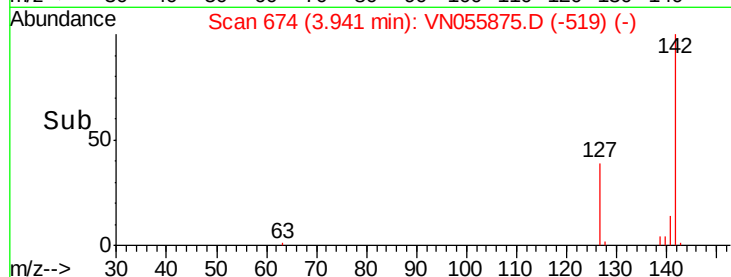
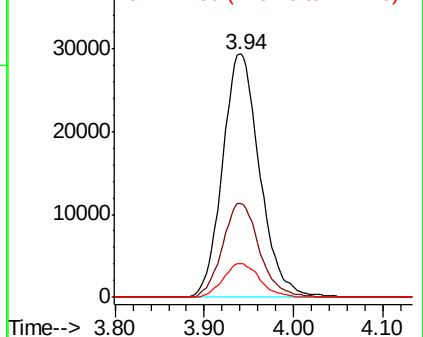
#11
Methyl Iodide
Concen: 20.305 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion:142 Resp: 84684
Ion Ratio Lower Upper
142 100
127 38.6 19.6 58.7
141 13.9 6.9 20.6

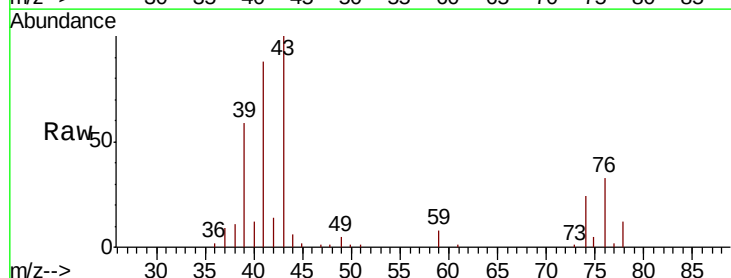


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

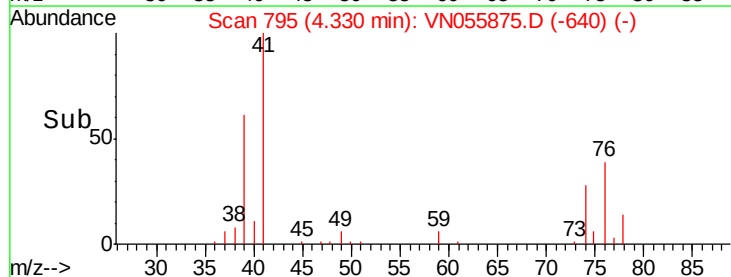
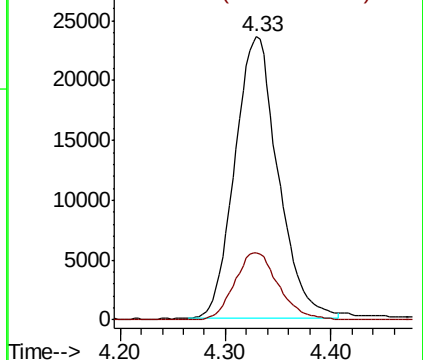


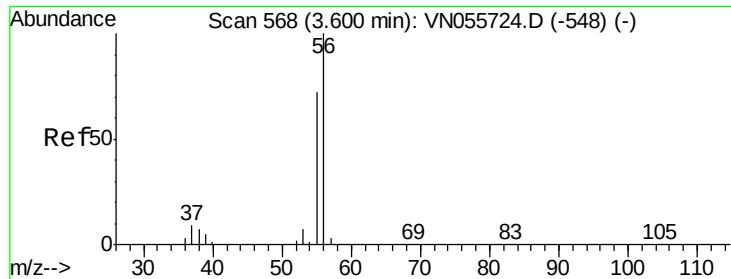
#12
Methyl Acetate
Concen: 18.751 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 43 Resp: 67047
Ion Ratio Lower Upper
43 100
74 24.0 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: 77.300 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

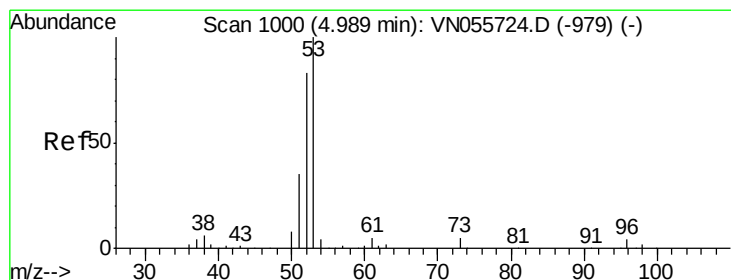
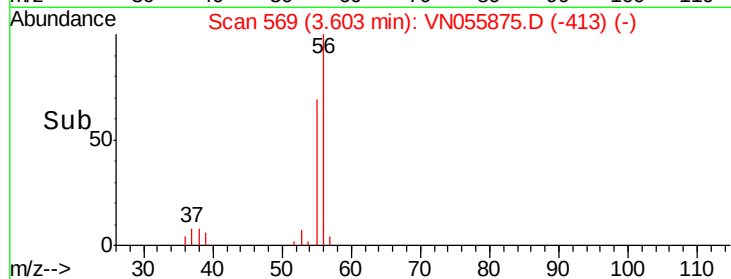
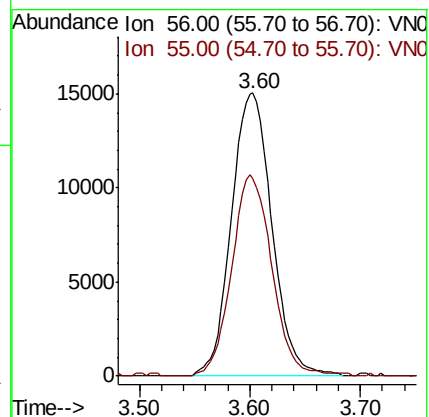
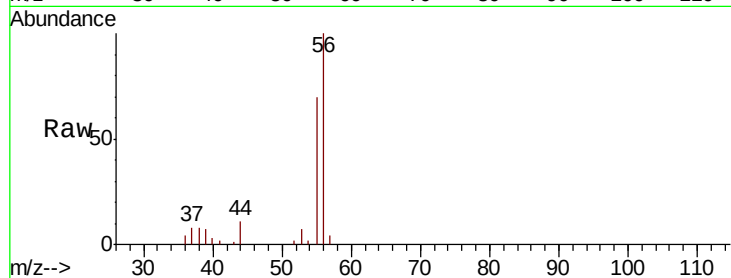
VN0529WBS01

Tot Ion: 56 Resp: 38404

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.6



#14

Acrylonitrile

Concen: 97.164 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

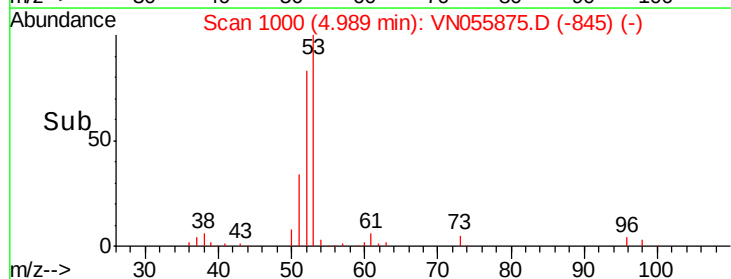
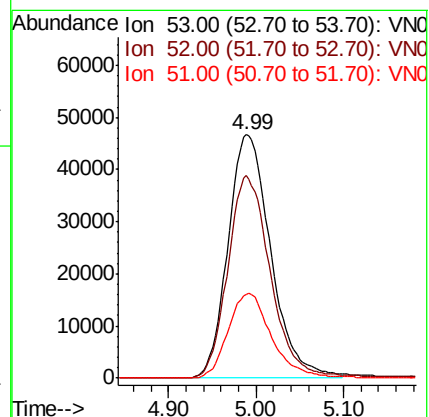
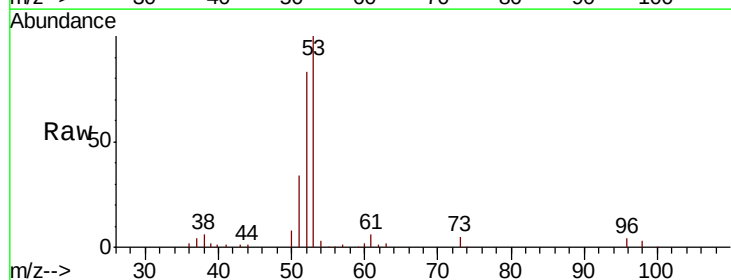
Tgt Ion: 53 Resp: 158392

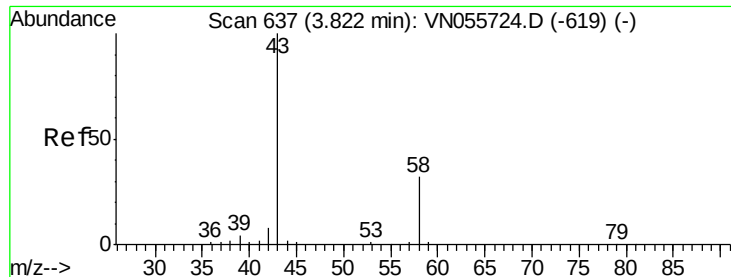
Ion Ratio Lower Upper

53 100

52 82.8 41.1 123.4

51 35.3 17.5 52.6





#15

Acetone

Concen: 88.522 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

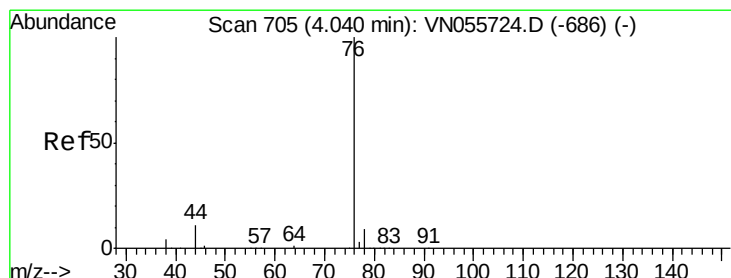
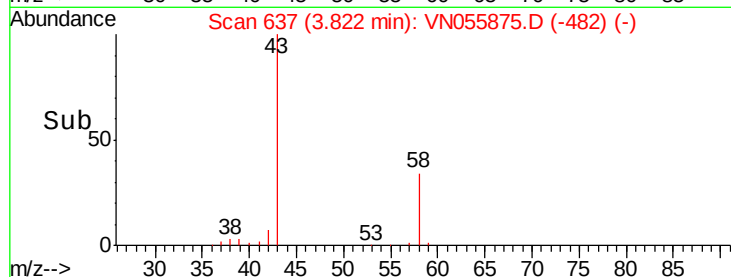
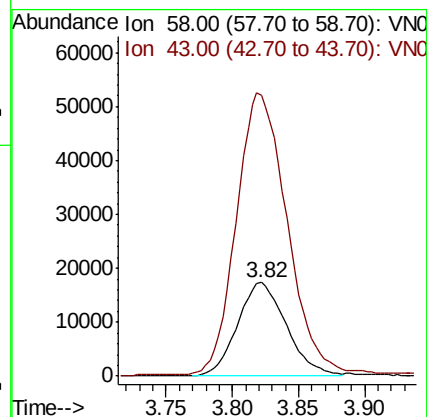
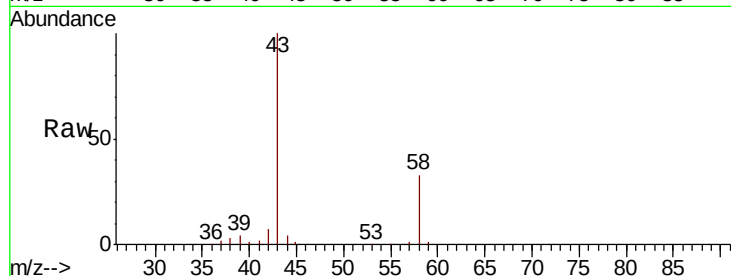
VN0529WBS01

Tot Ion: 58 Resp: 44816

Ion Ratio Lower Upper

58 100

43 296.8 248.8 373.2



#16

Carbon Disulfide

Concen: 16.613 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055875.D

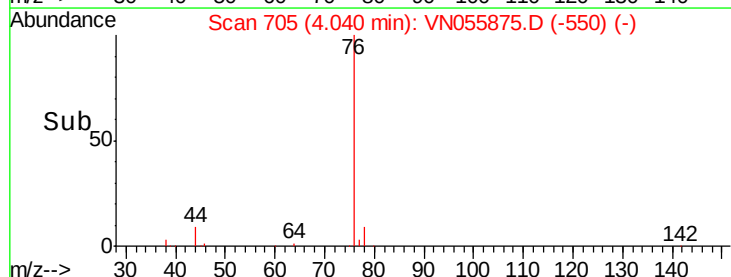
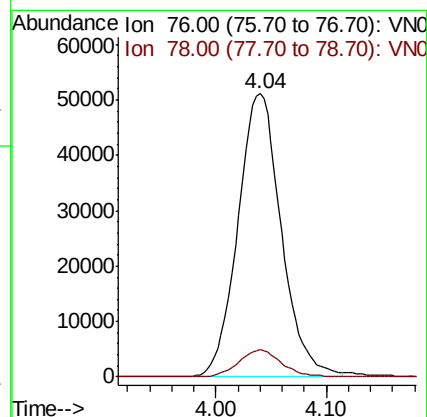
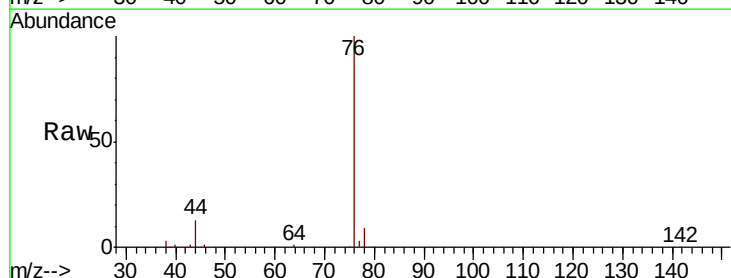
Acq: 29 May 2019 14:08

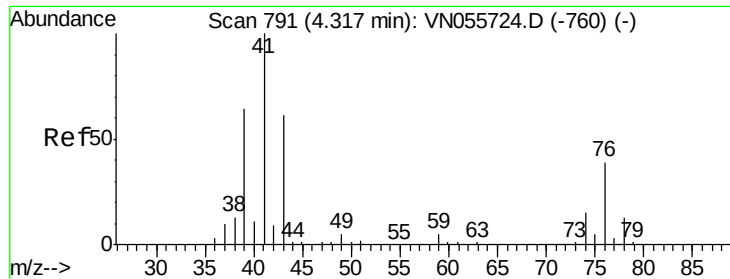
Tgt Ion: 76 Resp: 139250

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

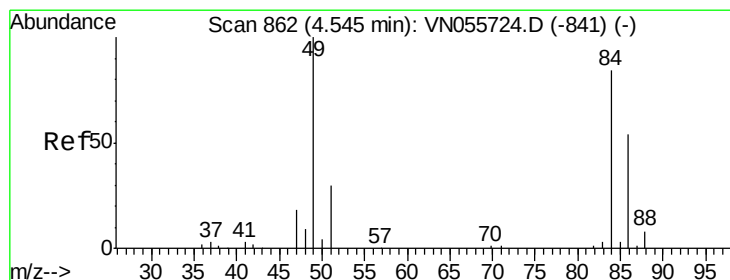
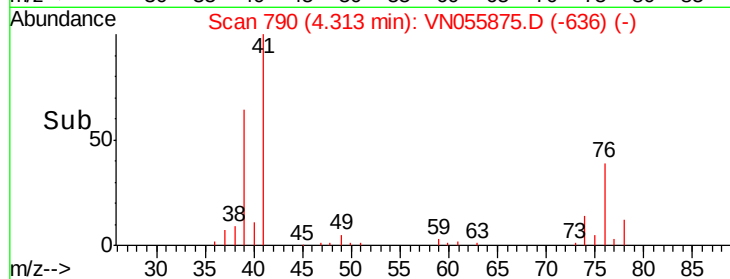
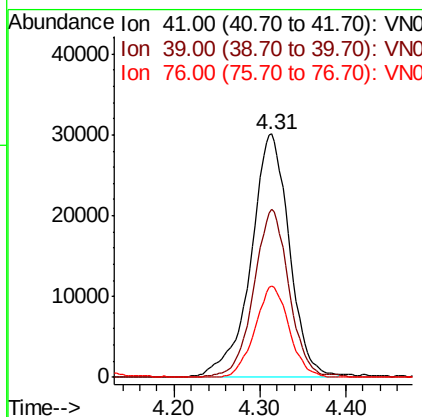
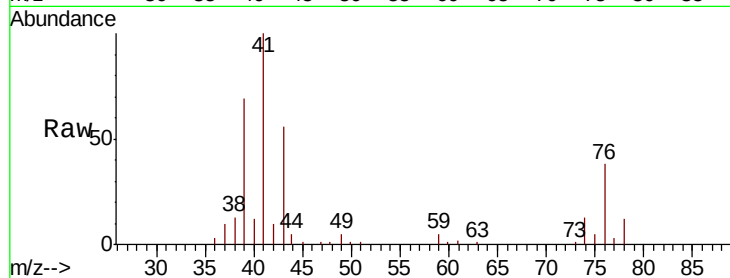




#17
Allvl chloride
Concen: 17.773 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

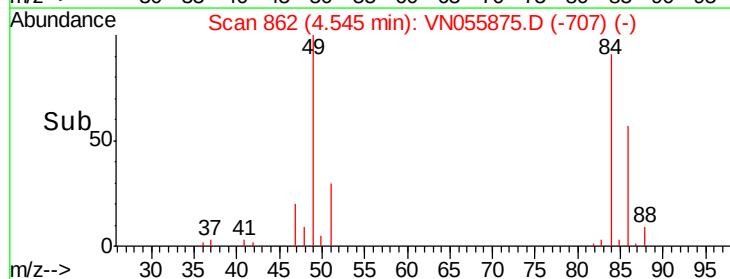
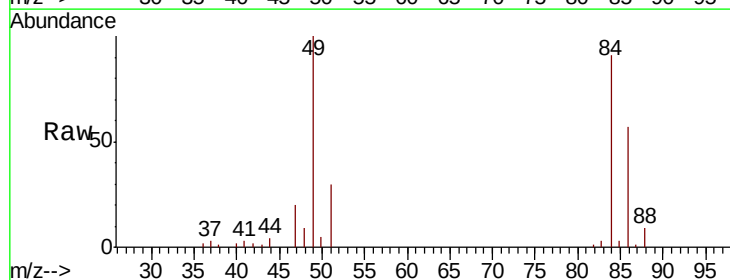
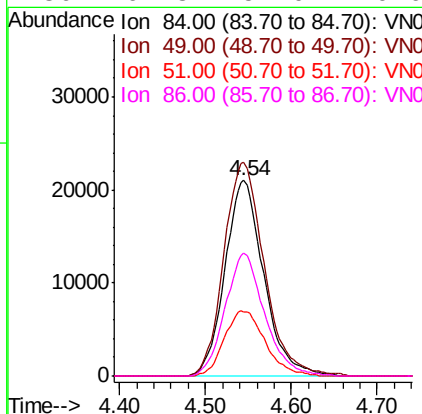
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

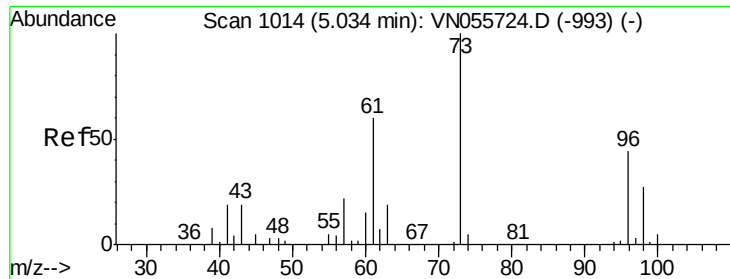
Tot Ion: 41 Resp: 93582
Ion Ratio Lower Upper
41 100
39 69.0 31.8 95.3
76 37.7 19.3 57.9



#18
Methylene Chloride
Concen: 19.664 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 84 Resp: 65840
Ion Ratio Lower Upper
84 100
49 109.4 94.7 142.1
51 33.0 28.6 43.0
86 62.8 51.0 76.6

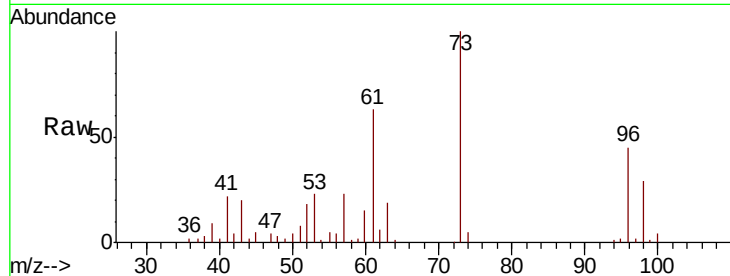




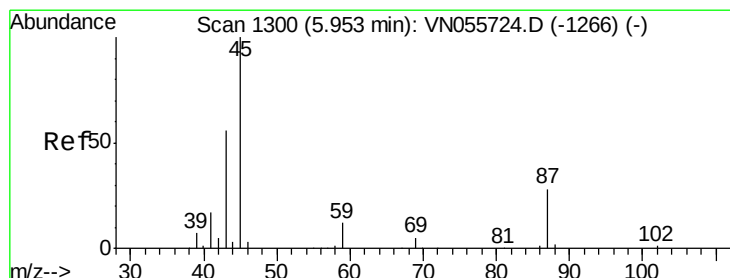
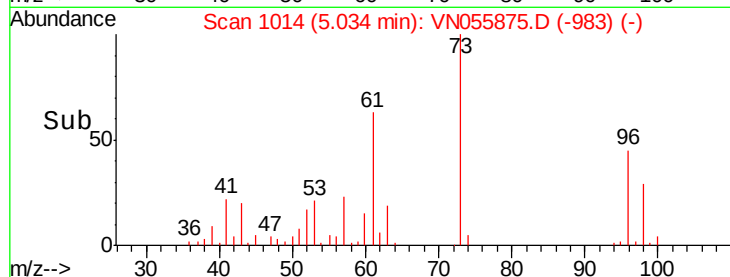
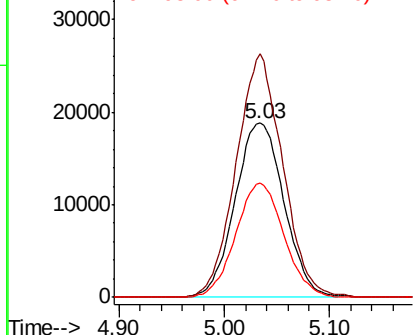
#19
trans-1,2-Dichloroethene
Concen: 19.311 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion: 96 Resp: 60732
Ion Ratio Lower Upper
96 100
61 139.0 108.5 162.7
98 65.4 49.4 74.2

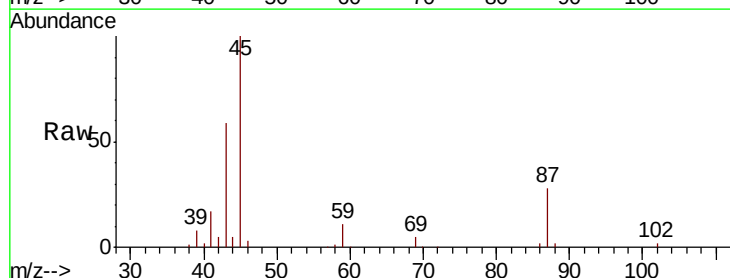


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

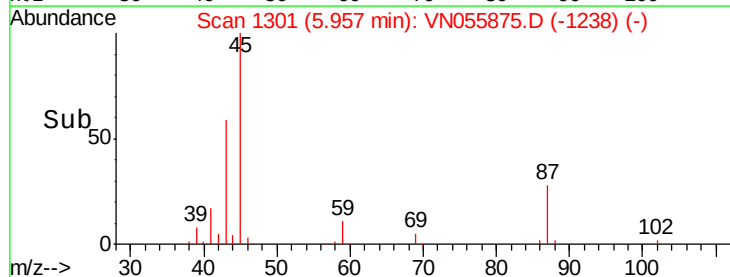
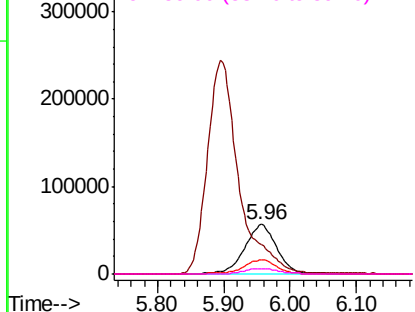


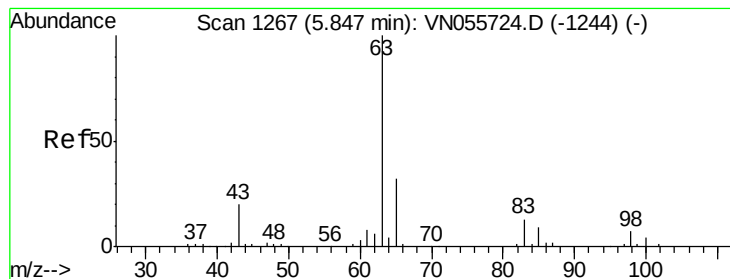
#20
Diisopropyl ether
Concen: 18.736 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 45 Resp: 191374
Ion Ratio Lower Upper
45 100
43 57.4 48.6 73.0
87 27.6 22.6 34.0
59 11.4 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: 19.056 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

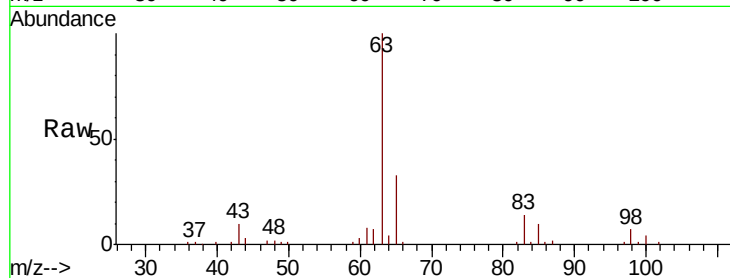
Tot Ion: 63 Resp: 110005

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

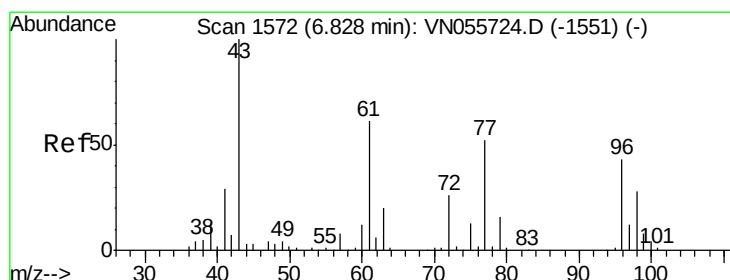
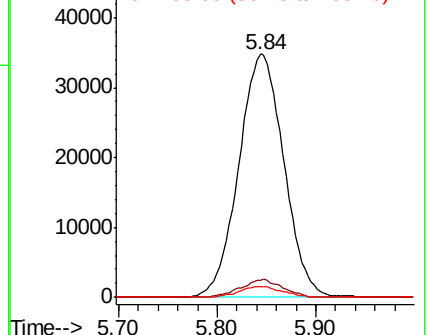
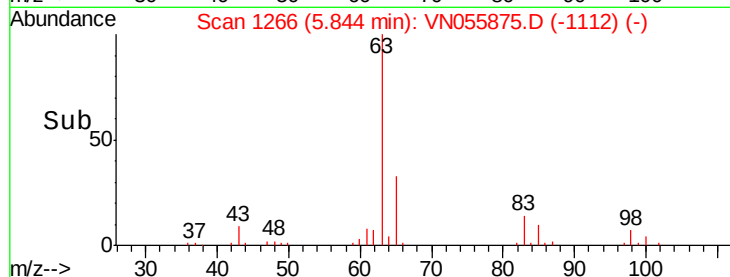
100 4.4 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055875.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055875.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.814 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

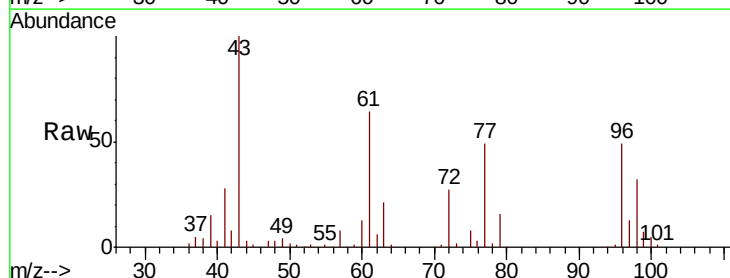
Tgt Ion: 96 Resp: 72676

Ion Ratio Lower Upper

96 100

61 133.8 115.7 173.5

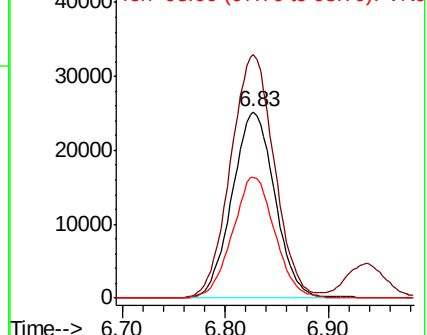
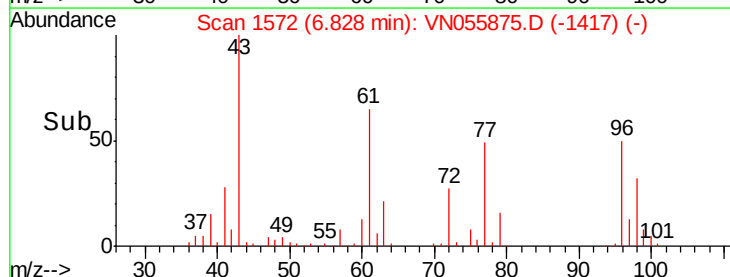
98 64.3 51.5 77.3

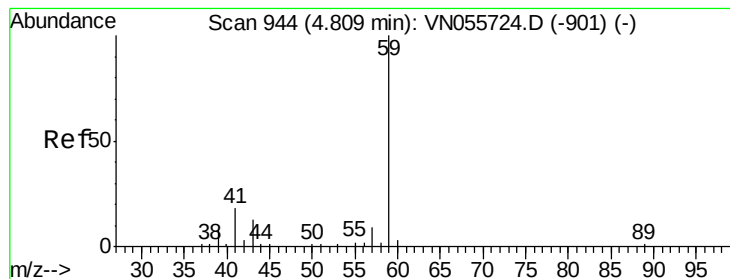


Abundance Ion 96.00 (95.70 to 96.70): VN055875.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055875.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055875.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 87.959 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

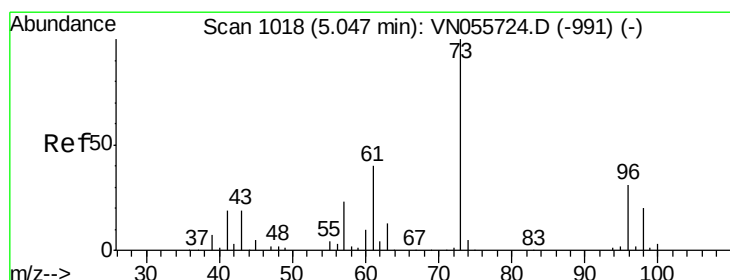
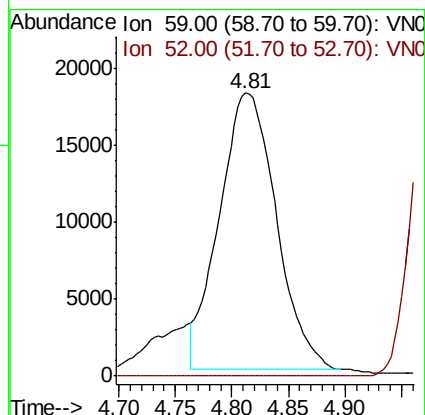
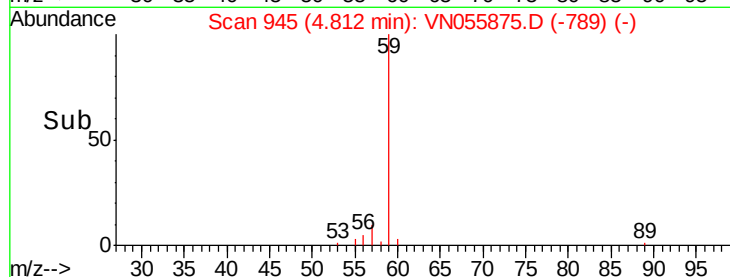
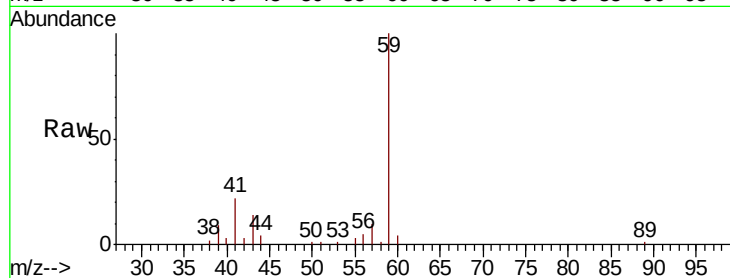
VN0529WBS01

Tot Ion: 59 Resp: 62972

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.117 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055875.D

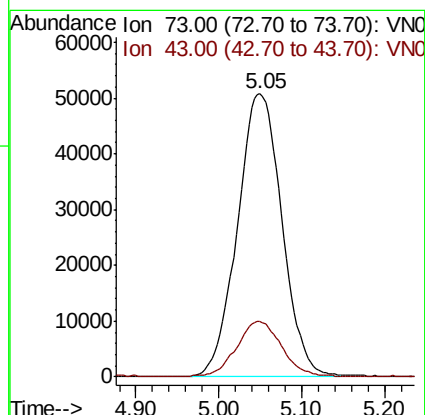
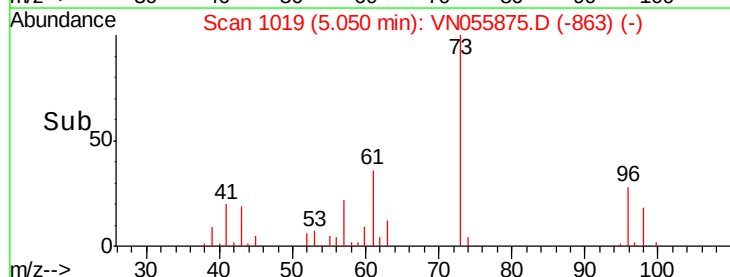
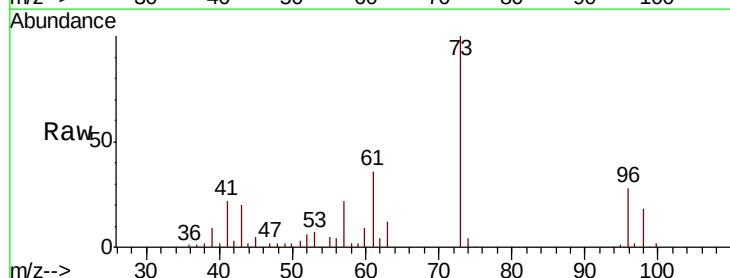
Acq: 29 May 2019 14:08

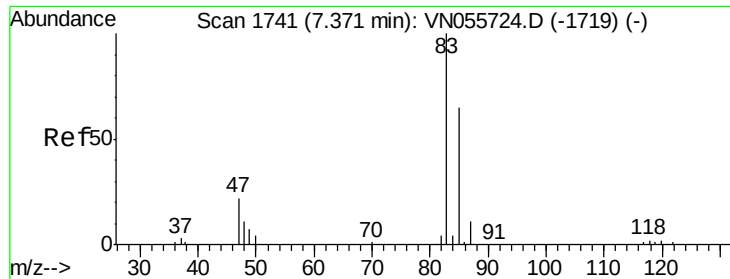
Tgt Ion: 73 Resp: 189643

Ion Ratio Lower Upper

73 100

43 20.0 15.7 23.5





#25

Chloroform

Concen: 19.458 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

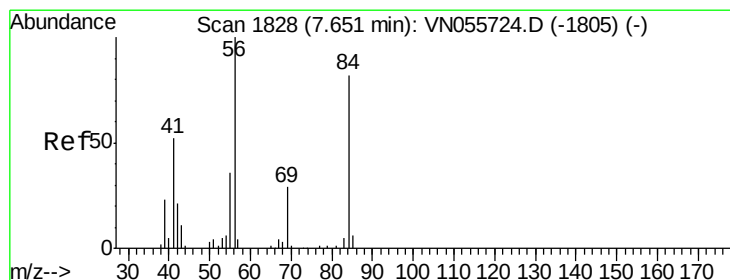
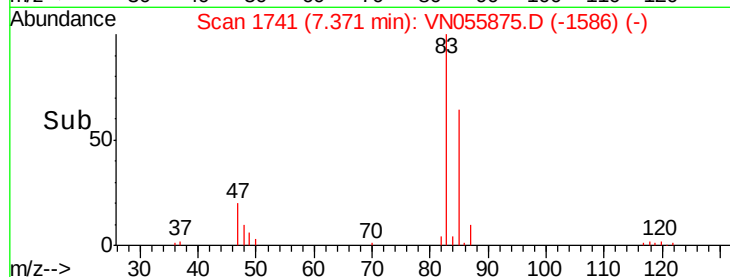
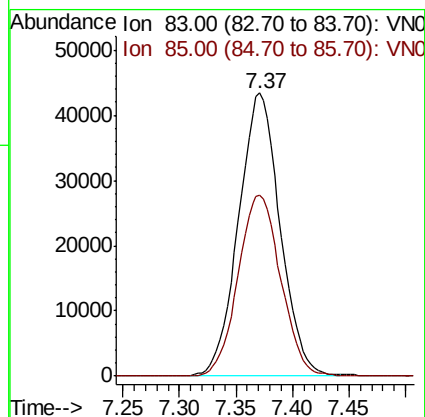
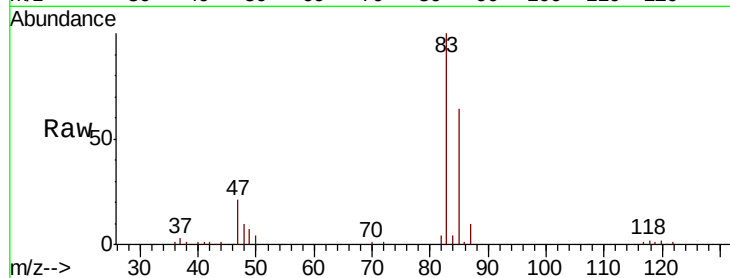
VN0529WBS01

Tot Ion: 83 Resp: 110941

Ion Ratio Lower Upper

83 100

85 64.0 51.7 77.5



#26

Cyclohexane

Concen: 18.933 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

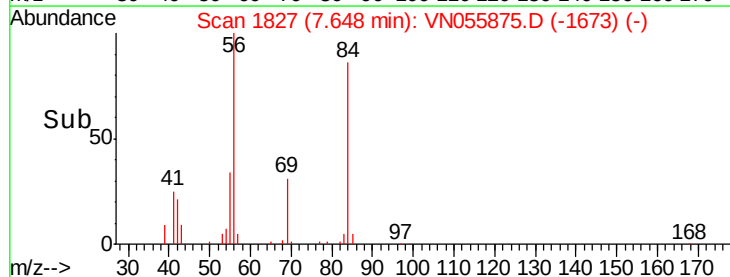
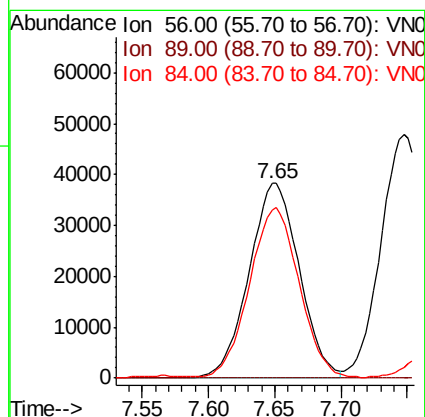
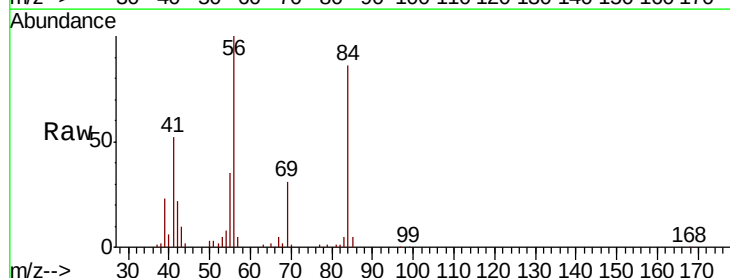
Tgt Ion: 56 Resp: 100834

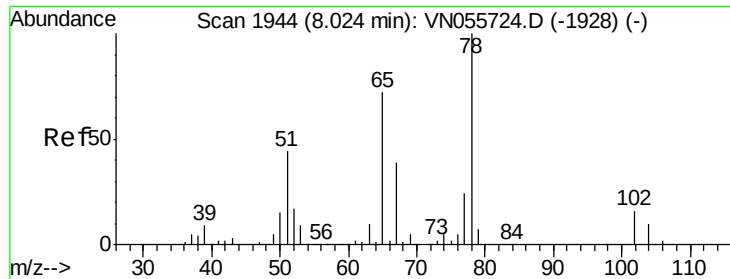
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.6 67.2 100.8

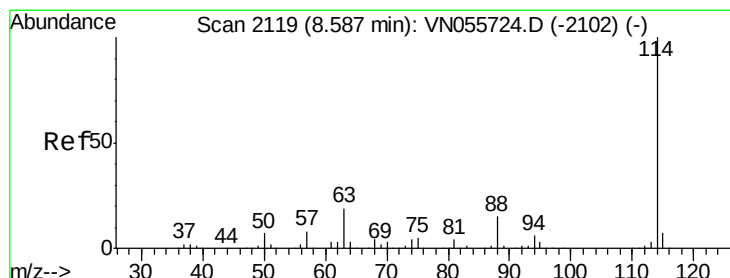
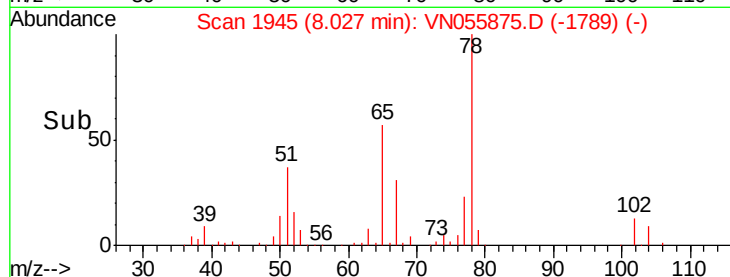
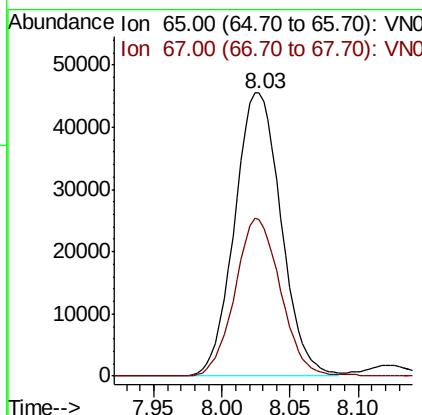
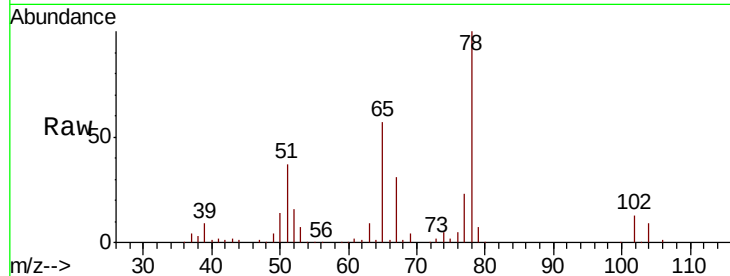




#27
 1,2-Dichloroethane-d4
 Concen: 29.812 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

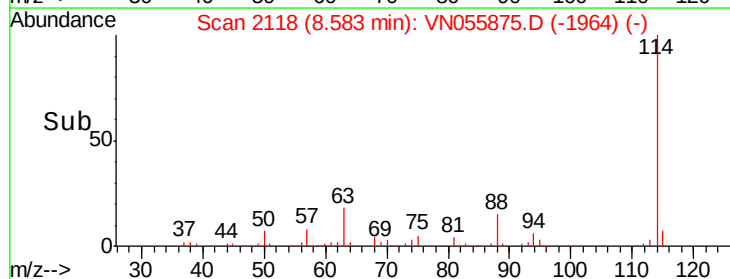
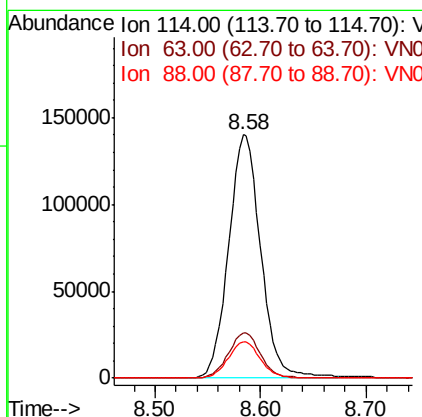
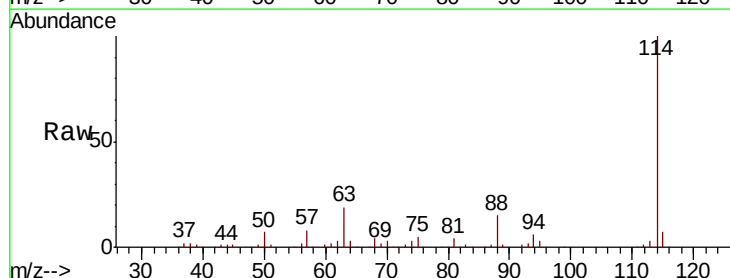
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

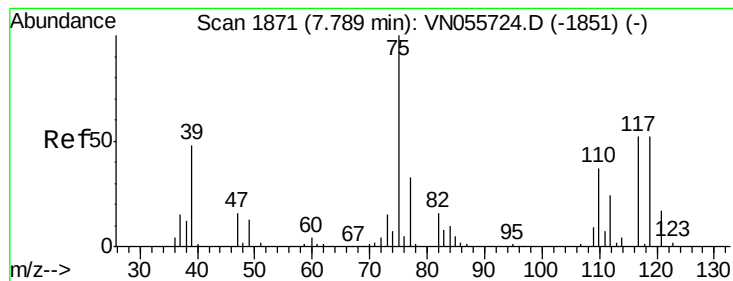
Tot Ion: 65 Resp: 107931
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 114 Resp: 294950
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.6 23.4
 88 15.1 12.3 18.5





#29

1,1-Dichloropropene

Concen: 19.581 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

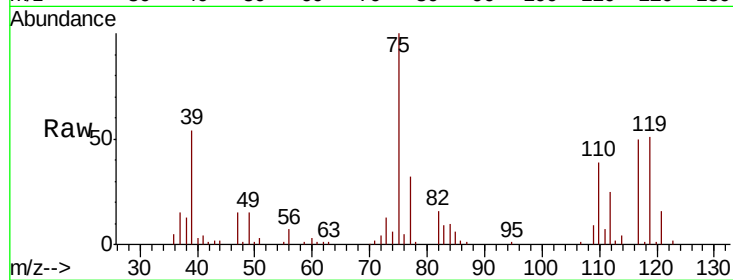
Tot Ion: 75 Resp: 80850

Ion Ratio Lower Upper

75 100

110 39.2 0.0 74.8

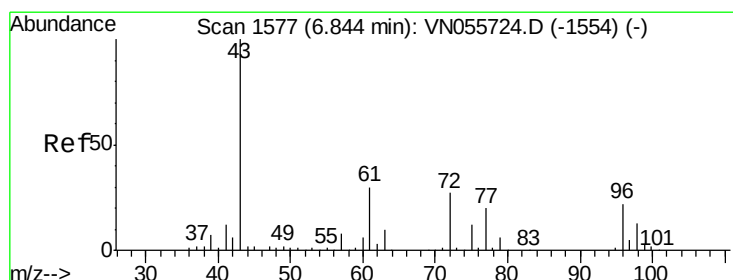
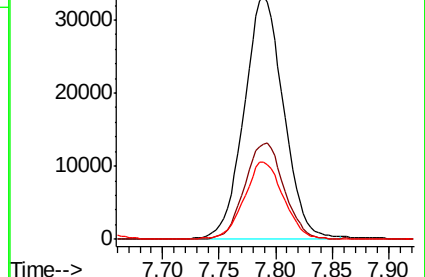
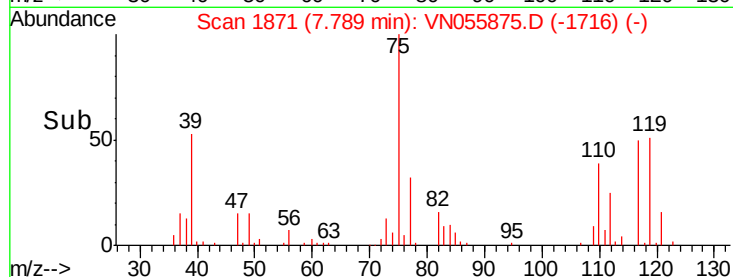
77 31.6 0.0 65.2



Abundance Ion 75.00 (74.70 to 75.70): VN055724.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN055724.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN055724.D (-1851) (-)



#30

2-Butanone

Concen: 96.024 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

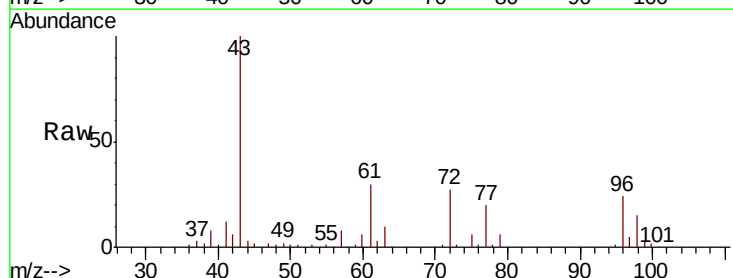
Tgt Ion: 43 Resp: 211330

Ion Ratio Lower Upper

43 100

57 8.5 6.6 10.0

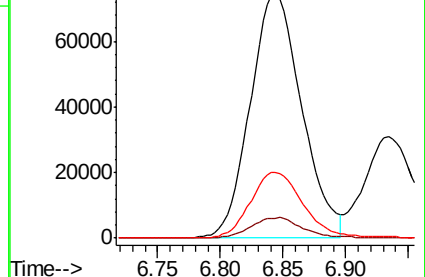
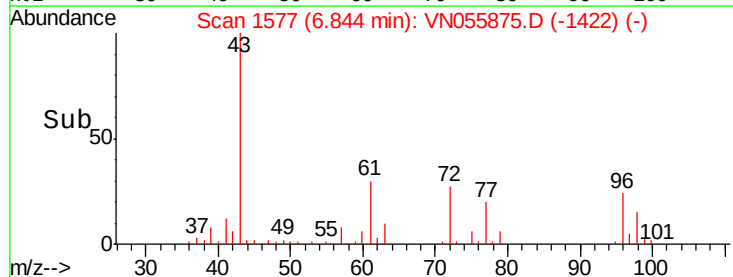
72 27.7 21.7 32.5

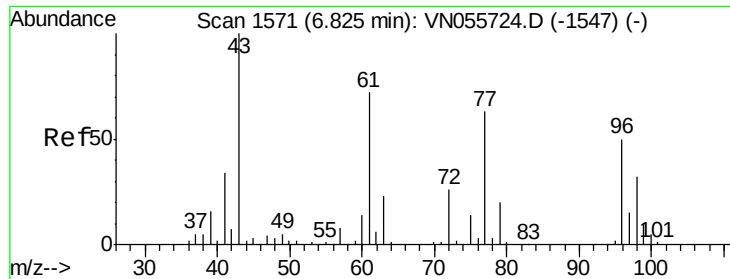


Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1554) (-)

Ion 57.00 (56.70 to 57.70): VN055724.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN055724.D (-1554) (-)

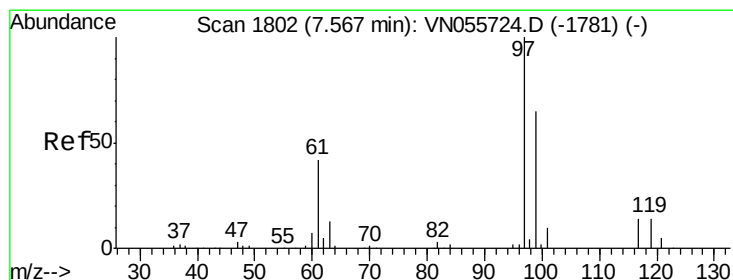
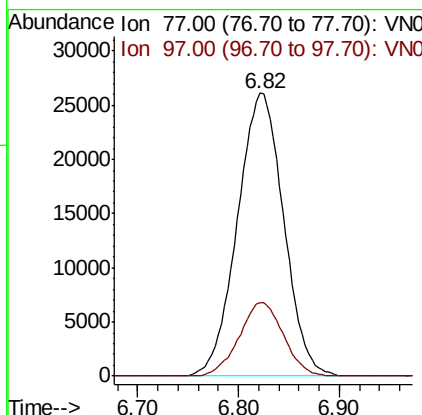
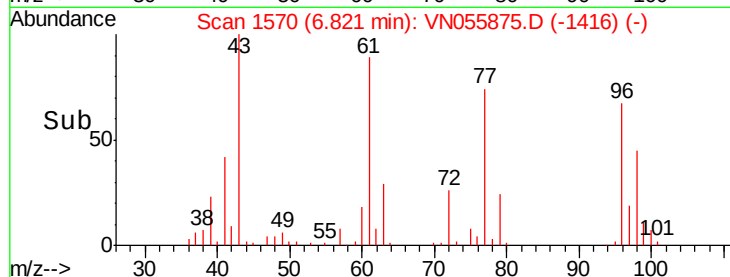
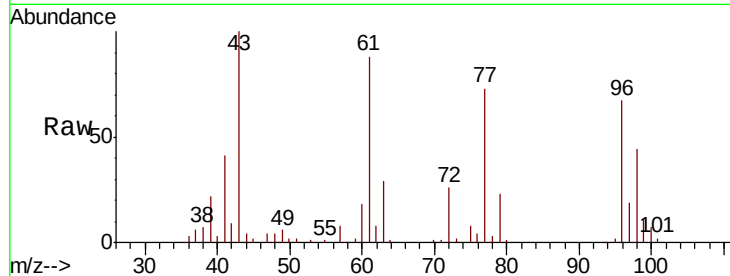




#31
 2,2-Dichloropropane
 Concen: 17.284 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

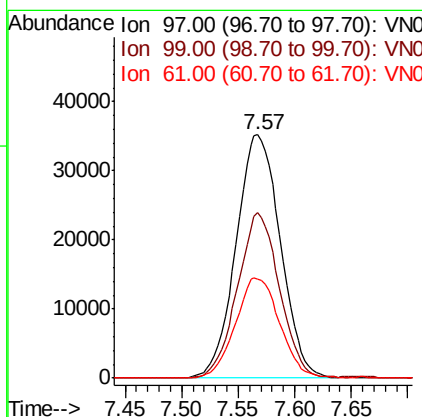
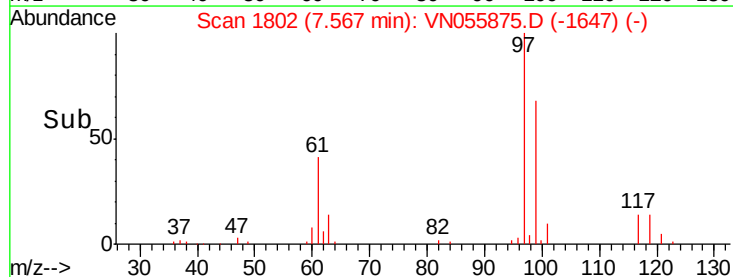
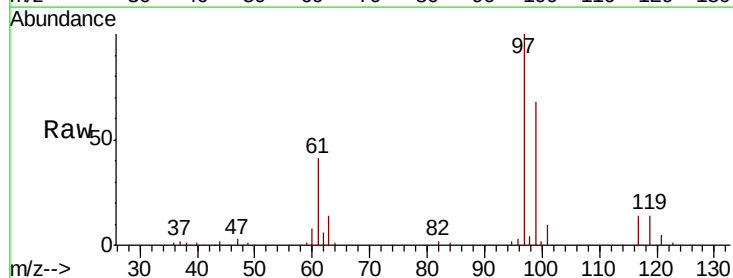
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

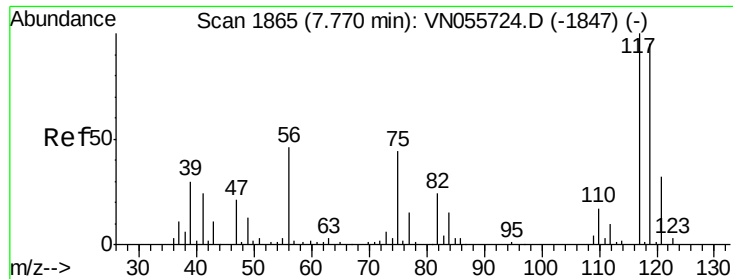
Tot Ion: 77 Resp: 83050
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 19.649 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion: 97 Resp: 96164
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 41.0 33.1 49.7





#33

Carbon Tetrachloride

Concen: 18.387 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

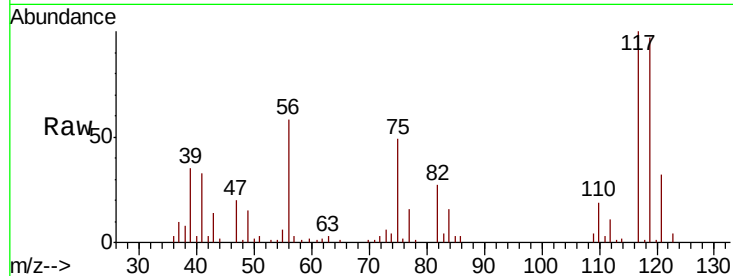
Tot Ion:117 Resp: 80499

Ion Ratio Lower Upper

117 100

119 97.1 75.8 113.8

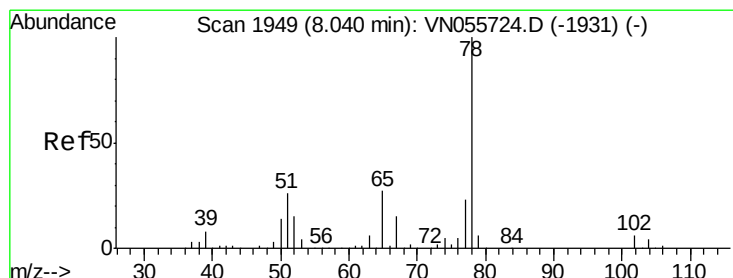
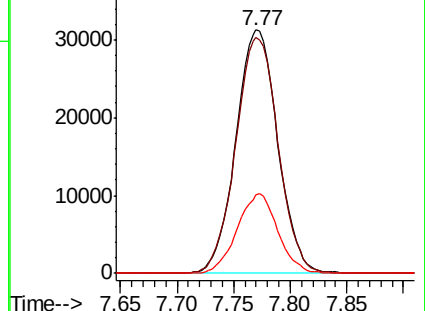
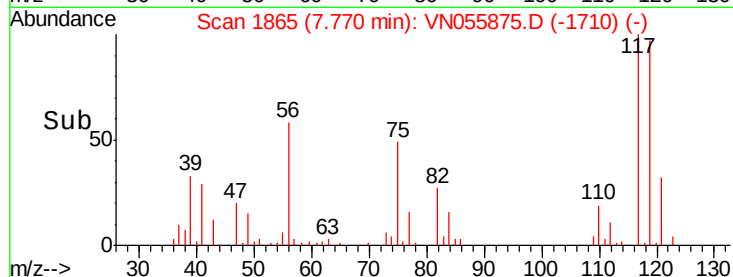
121 32.3 25.4 38.0



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: 20.393 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

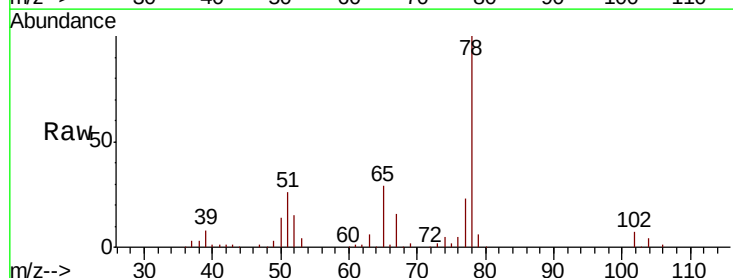
Tgt Ion: 78 Resp: 259970

Ion Ratio Lower Upper

78 100

77 22.7 18.8 28.2

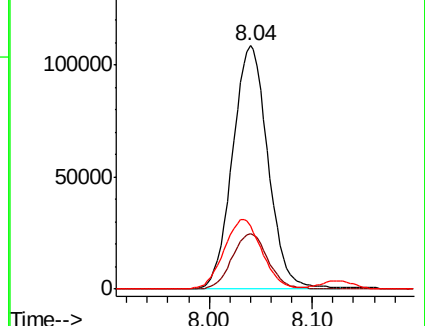
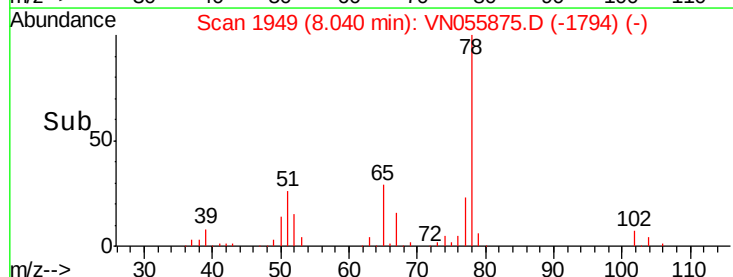
51 25.9 20.6 31.0

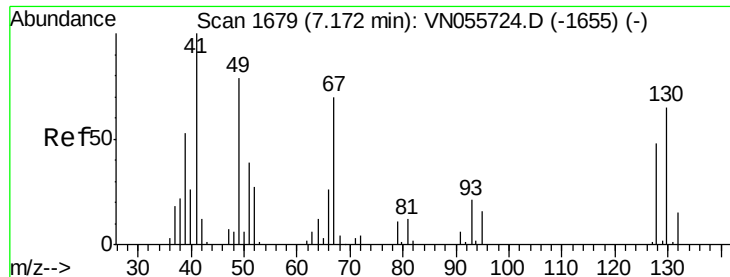


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

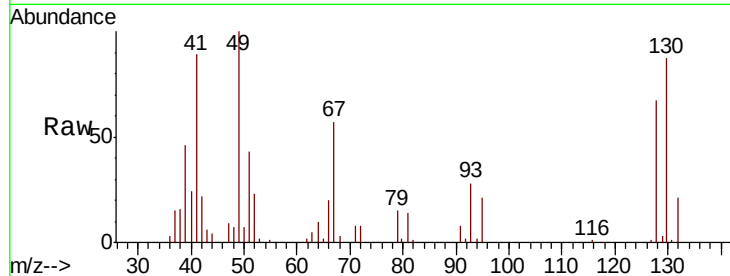




#35
Methacrylonitrile
Concen: 17.802 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion:	41	Resp:	36162
Ion	Ratio	Lower	Upper
41	100		
39	51.8	26.7	80.1
67	63.8	34.9	104.7
52	25.3	13.6	40.8



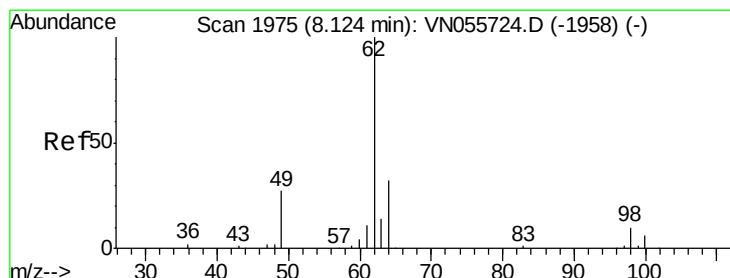
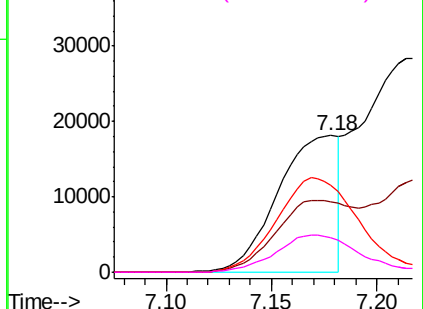
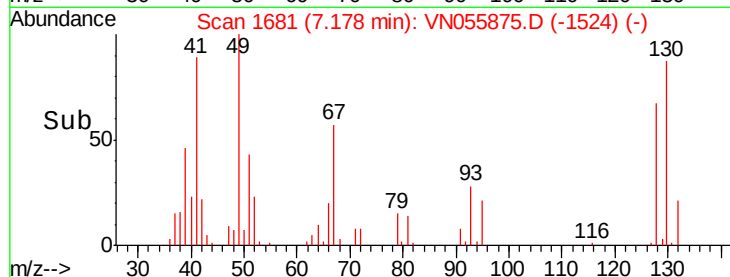
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

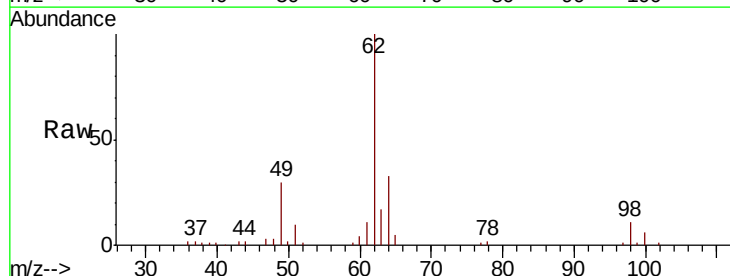
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 20.370 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

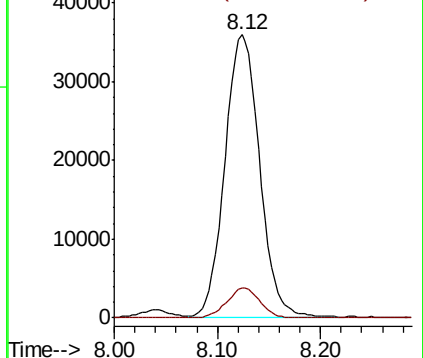
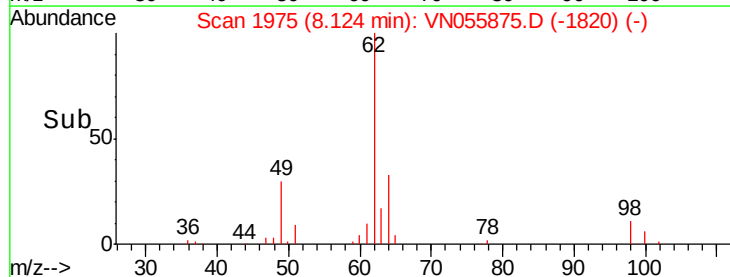
Tgt Ion:	62	Resp:	84857
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.2	12.2

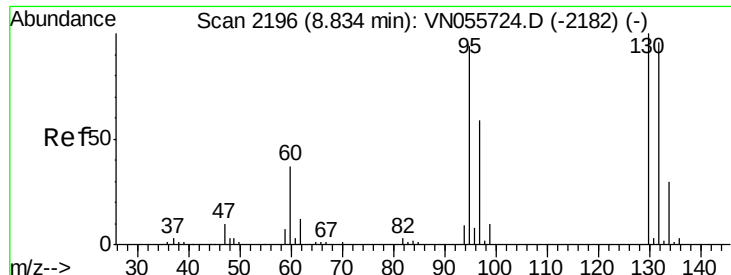


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.481 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

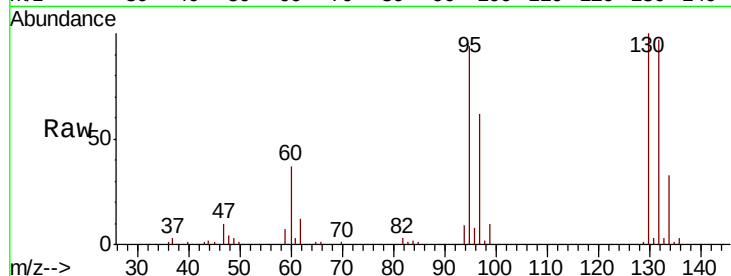
VN0529WBS01

Tot Ion:130 Resp: 72845

Ion Ratio Lower Upper

130 100

95 93.5 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

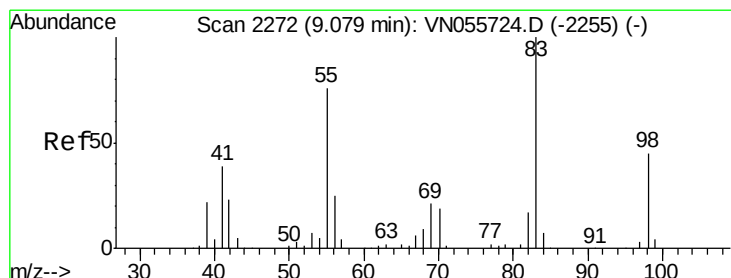
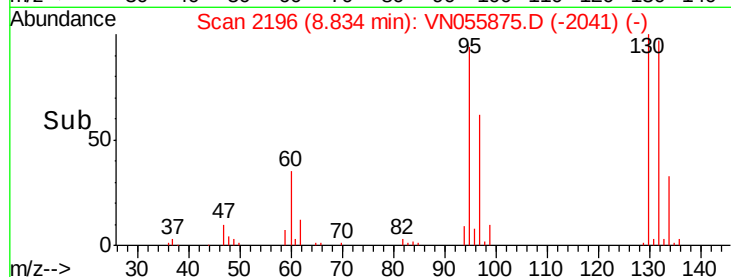
20000

10000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.280 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

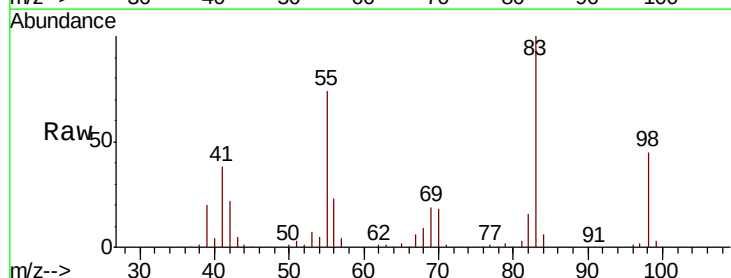
Tgt Ion: 83 Resp: 100863

Ion Ratio Lower Upper

83 100

55 75.2 37.8 113.4

98 46.6 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

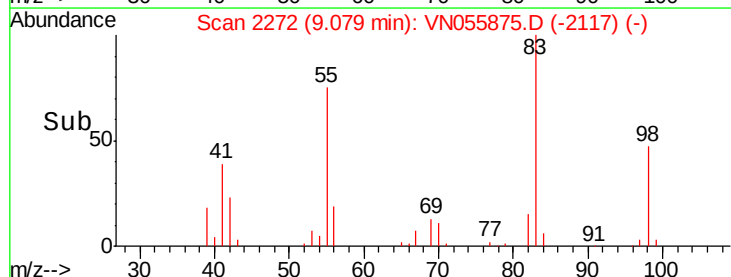
20000

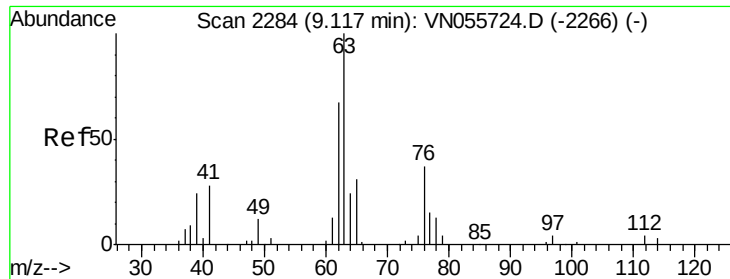
10000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 19.388 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

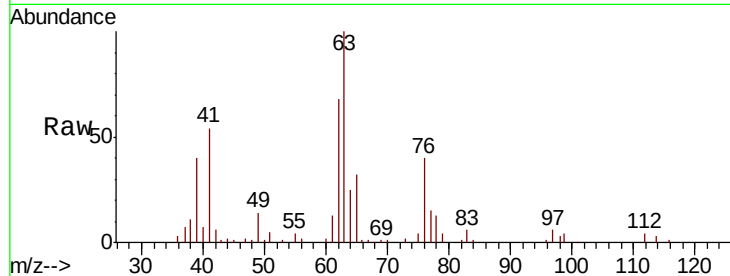
VN0529WBS01

Tot Ion: 63 Resp: 66443

Ion Ratio Lower Upper

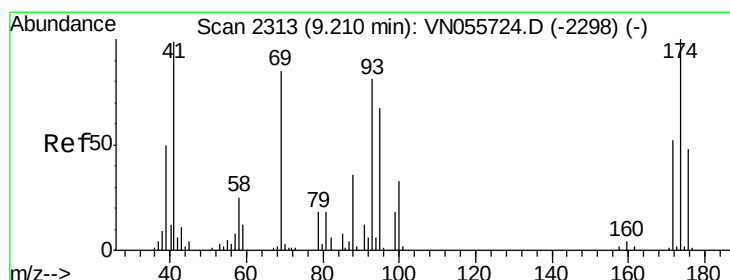
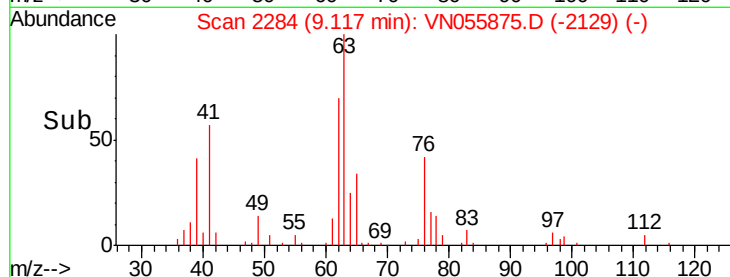
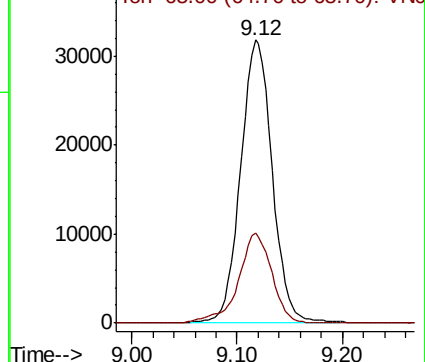
63 100

65 31.9 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.305 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

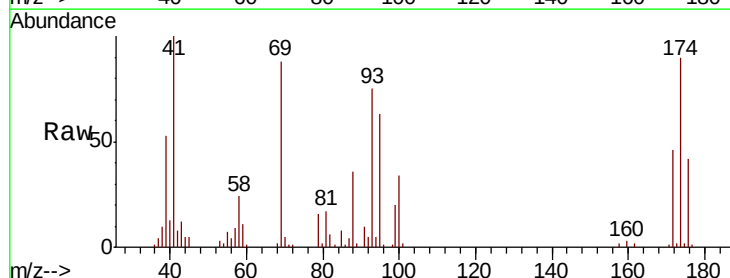
Tgt Ion: 93 Resp: 44932

Ion Ratio Lower Upper

93 100

95 82.5 0.0 170.6

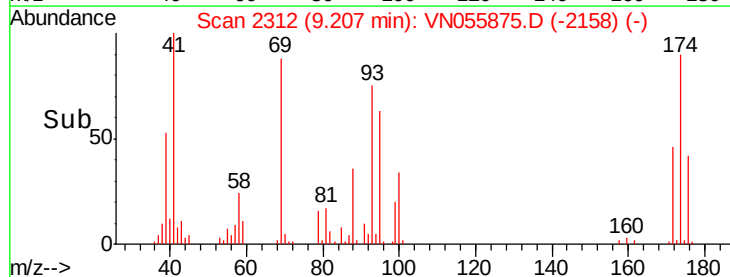
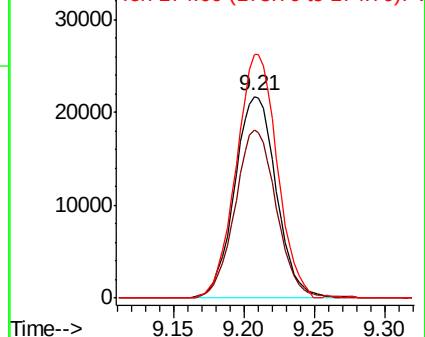
174 118.6 0.0 248.4

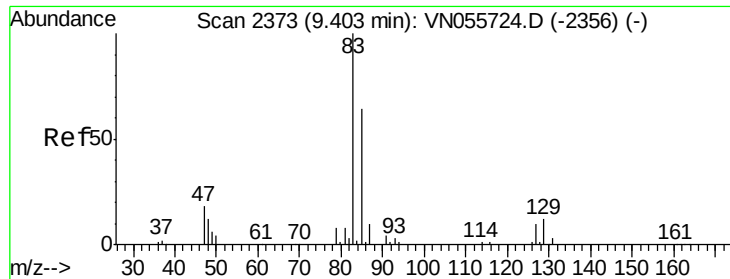


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.214 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

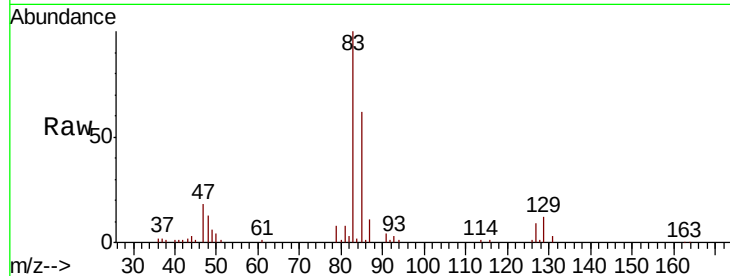
Tot Ion: 83 Resp: 82605

Ion Ratio Lower Upper

83 100

85 62.3 51.4 77.0

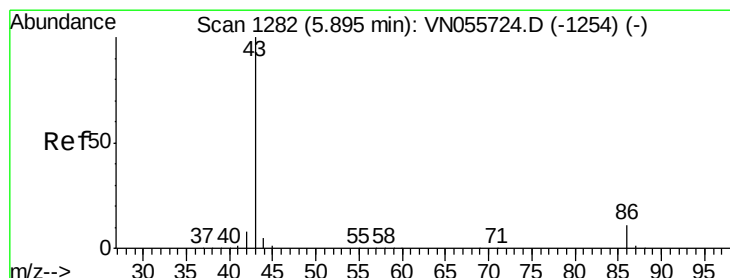
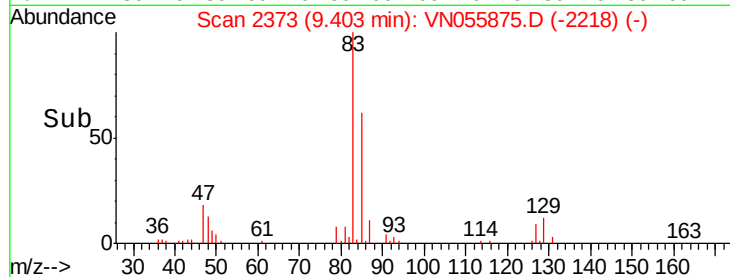
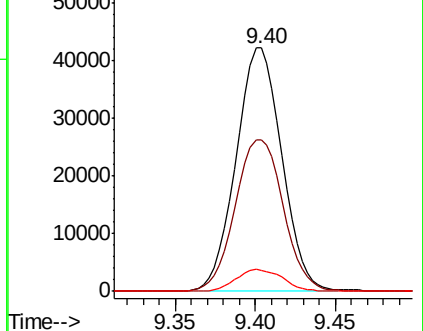
127 9.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055875.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN055875.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN055875.D (-2218) (-)



#42

Vinyl Acetate

Concen: 94.215 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055875.D

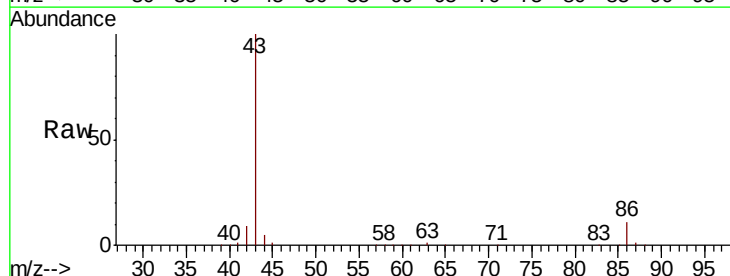
Acq: 29 May 2019 14:08

Tgt Ion: 43 Resp: 805040

Ion Ratio Lower Upper

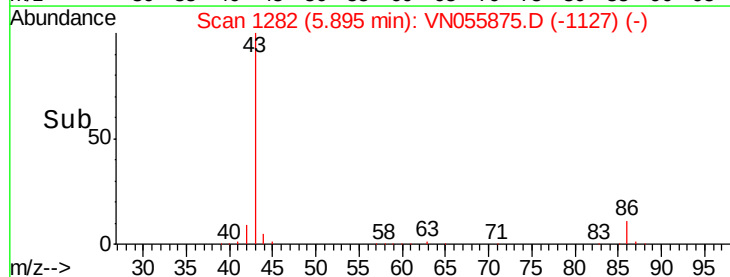
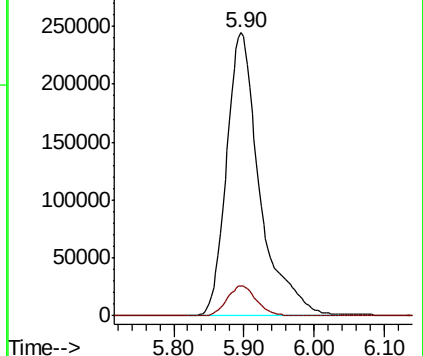
43 100

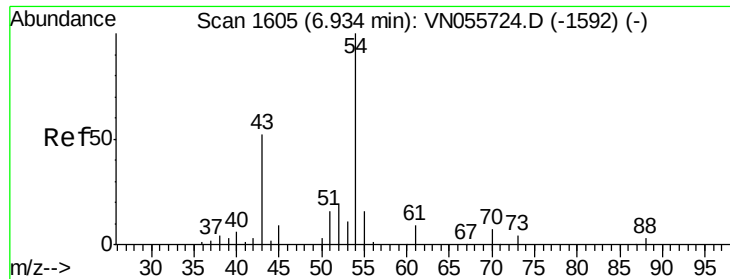
86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055875.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055875.D (-1127) (-)





#43

Ethyl Acetate

Concen: 20.005 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

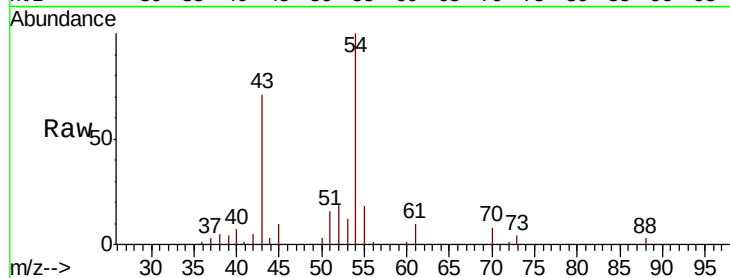
VN0529WBS01

Tot Ion: 43 Resp: 86540

Ion Ratio Lower Upper

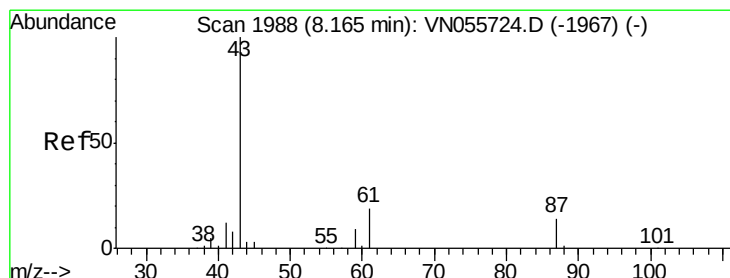
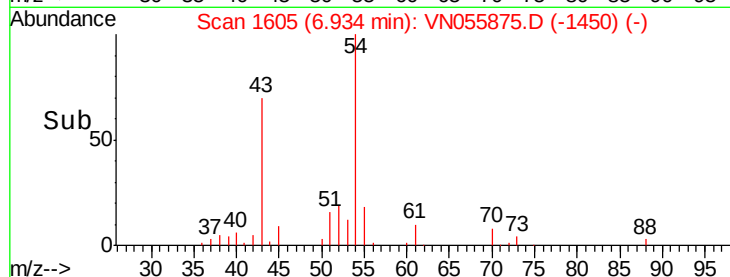
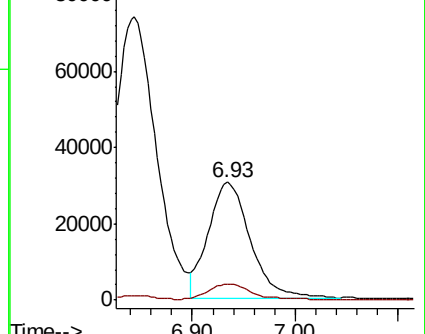
43 100

45 12.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.562 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055875.D

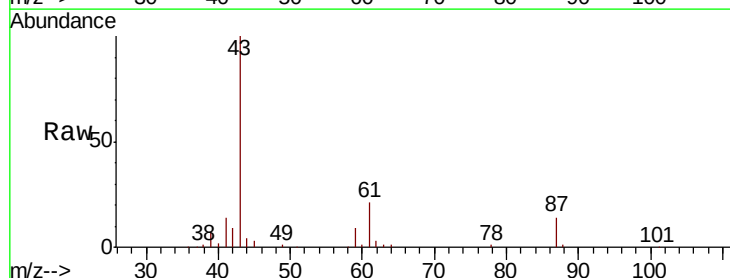
Acq: 29 May 2019 14:08

Tgt Ion: 43 Resp: 132965

Ion Ratio Lower Upper

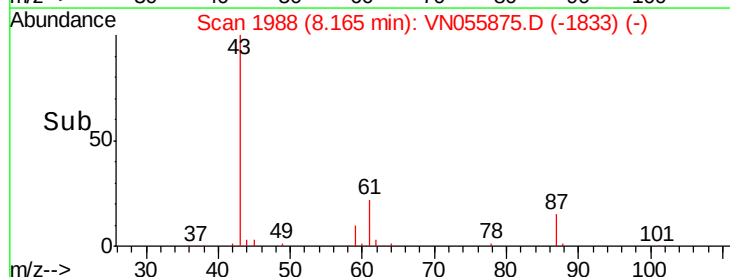
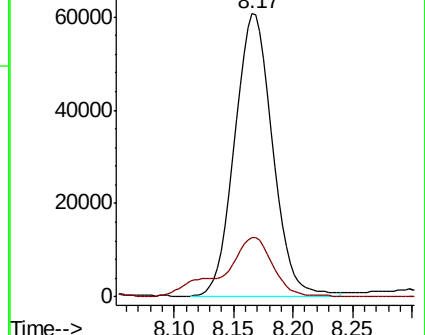
43 100

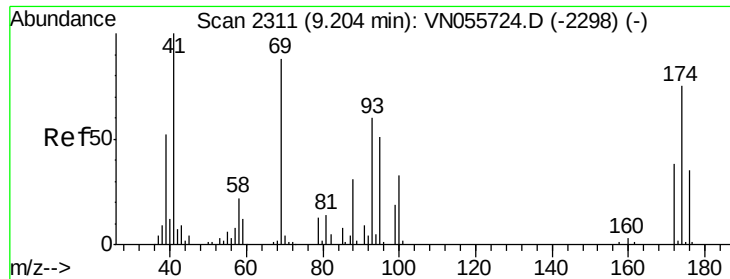
61 21.3 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 396.475 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

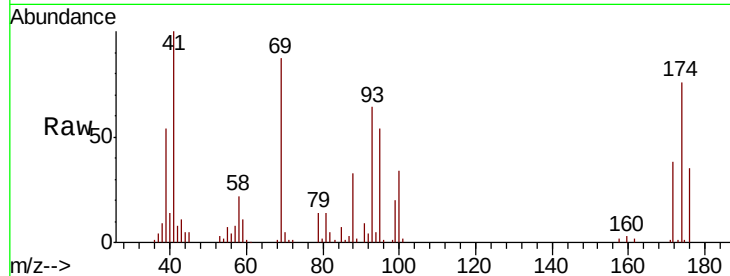
Tot Ion: 88 Resp: 26719

Ion Ratio Lower Upper

88 100

43 27.1 20.5 30.7

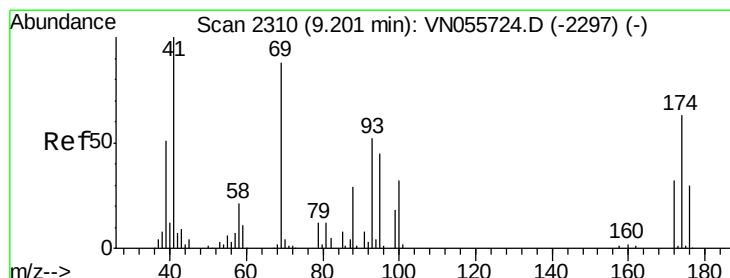
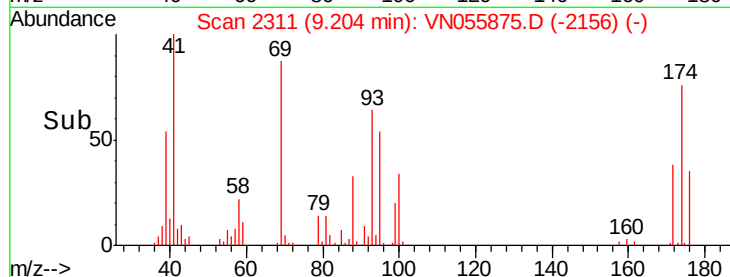
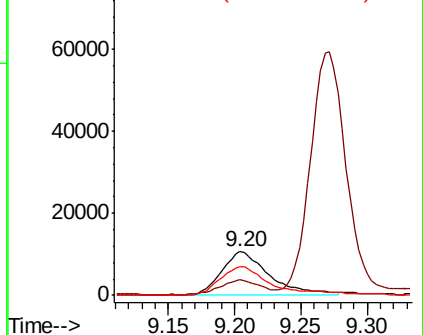
58 63.7 56.1 84.1



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: 19.515 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

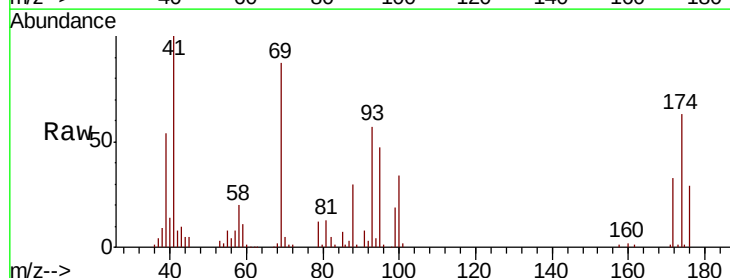
Tgt Ion: 41 Resp: 65221

Ion Ratio Lower Upper

41 100

69 88.4 43.8 131.4

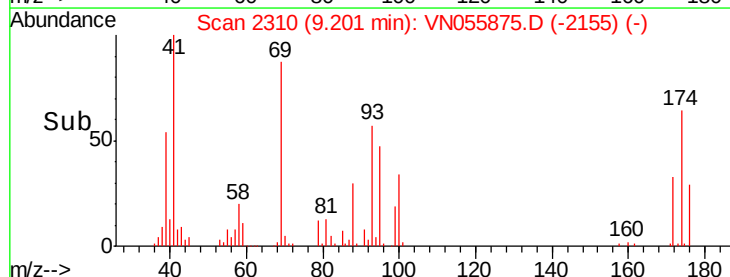
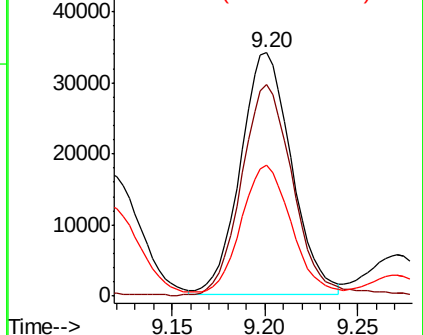
39 53.0 25.6 76.6

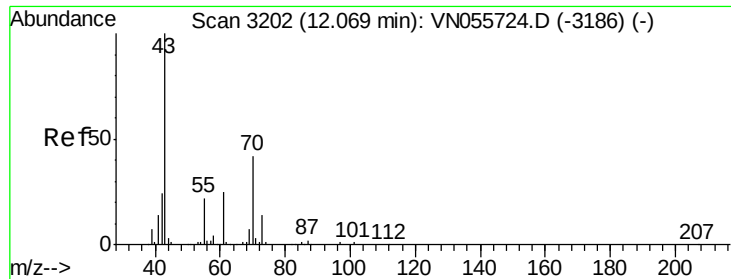


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

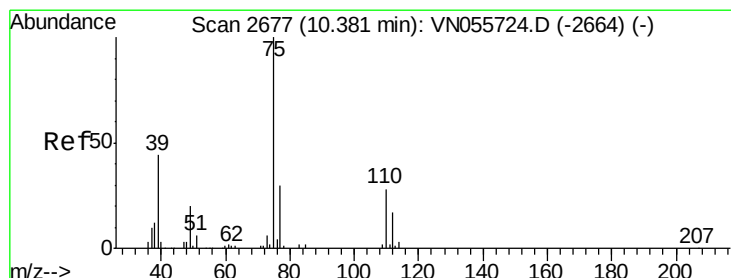
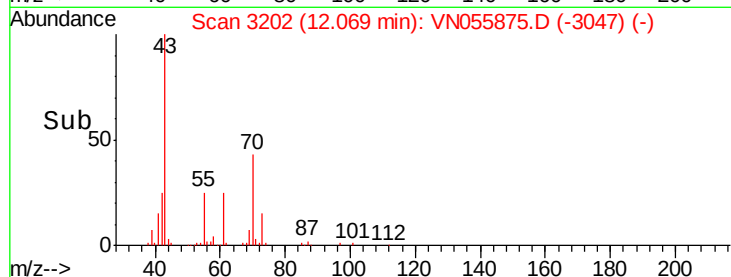
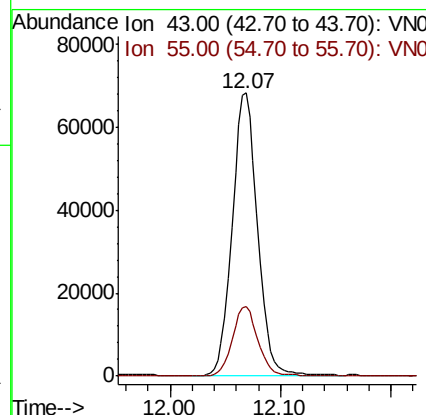
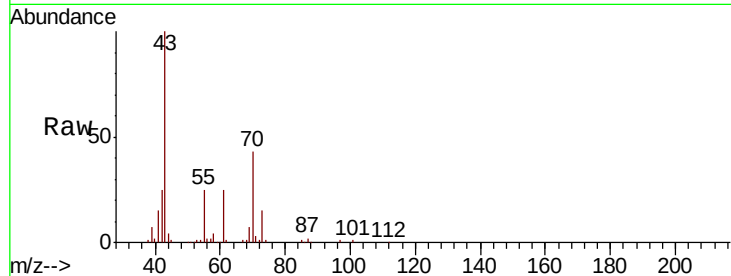




#47
n-amvl Acetate
Concen: 18.410 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

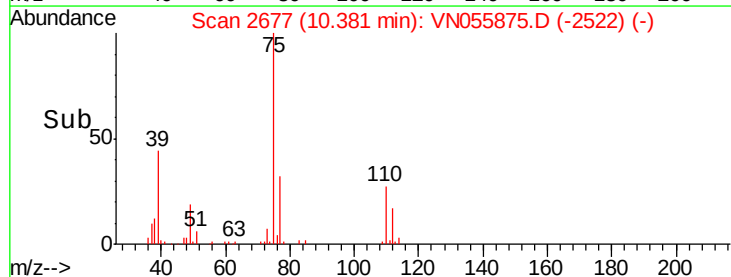
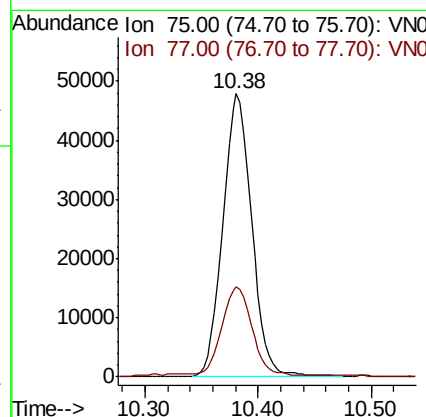
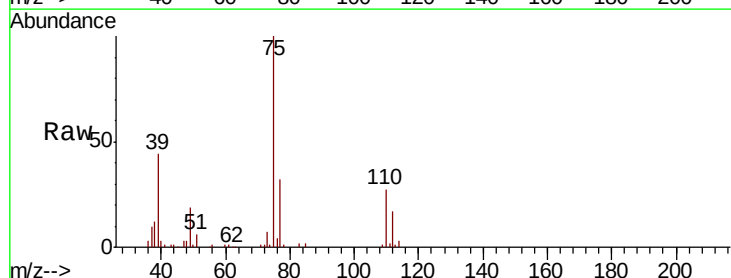
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

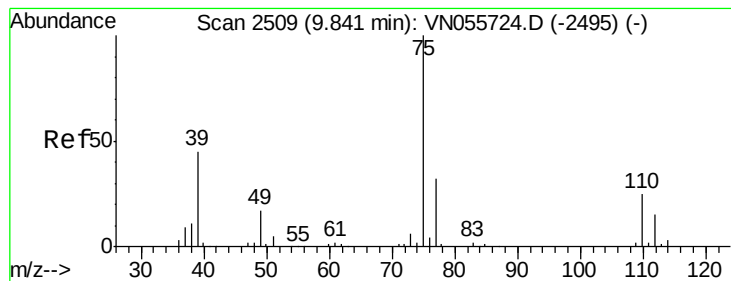
Tot Ion: 43 Resp: 109079
Ion Ratio Lower Upper
43 100
55 24.5 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.024 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 75 Resp: 85230
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8



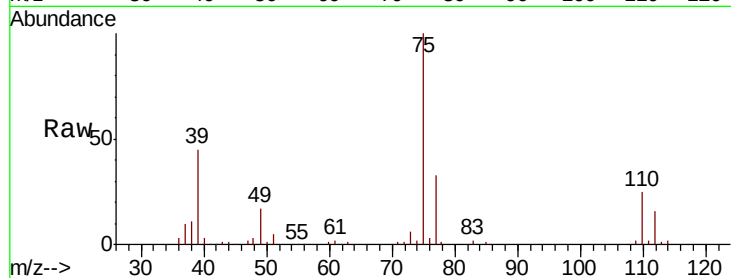


#49

cis-1,3-Dichloropropene
Concen: 18.072 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.0	39.0
39	44.9	36.2	54.4

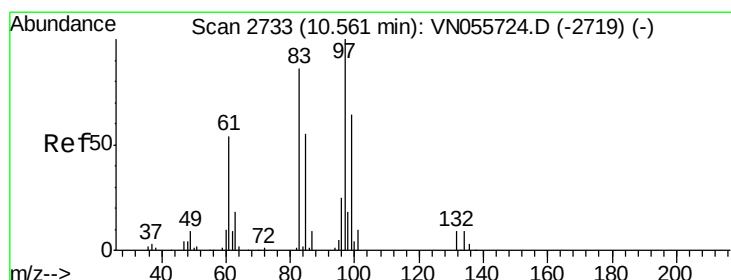
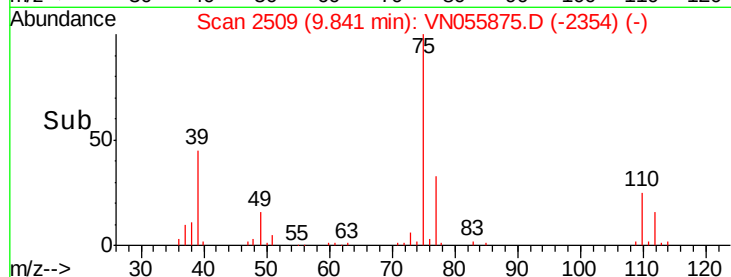
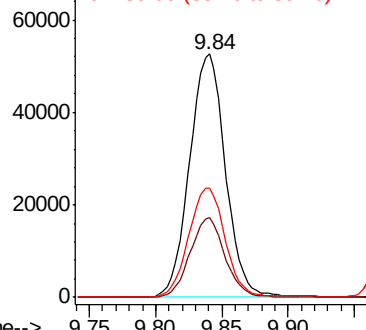


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

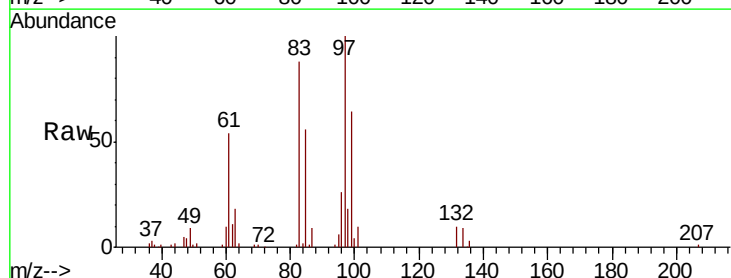
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
Concen: 20.209 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	55.7	44.3	66.5
99	64.5	51.4	77.0



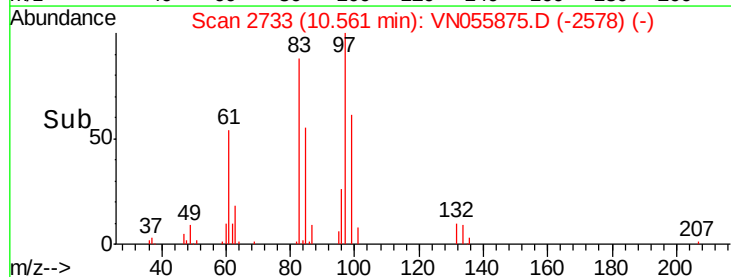
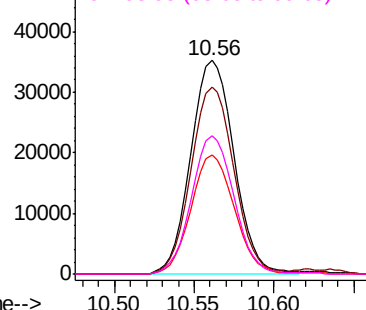
Abundance

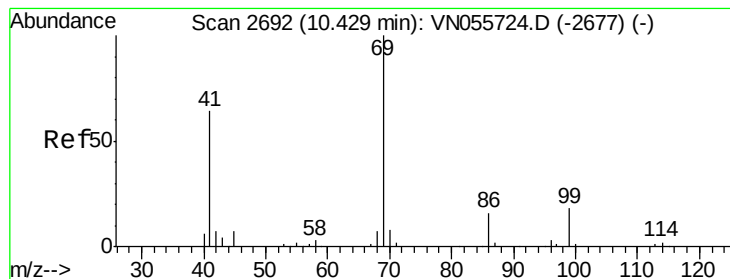
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.216 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

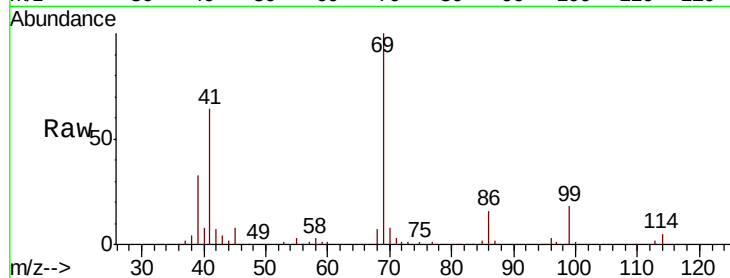
Tot Ion: 69 Resp: 99782

Ion Ratio Lower Upper

69 100

41 63.2 31.9 95.7

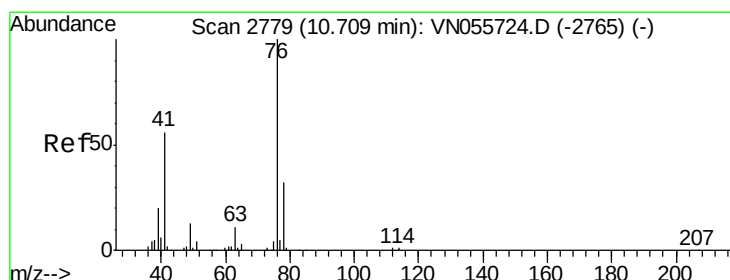
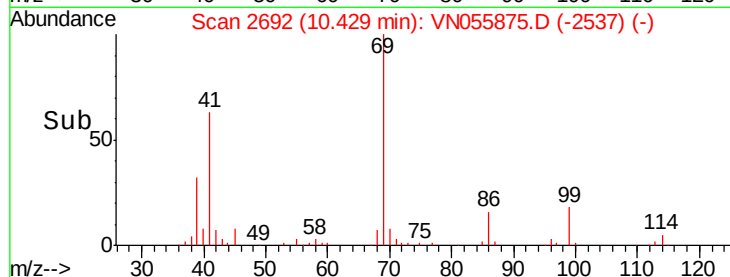
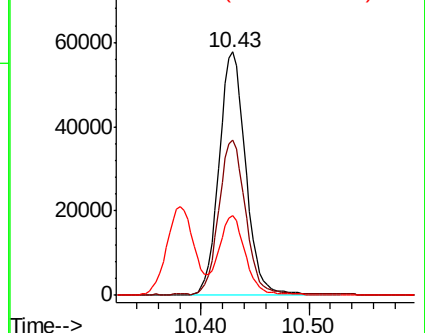
39 32.3 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055875.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN055875.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN055875.D (-2677) (-)



#52

1,3-Dichloropropane

Concen: 19.832 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055875.D

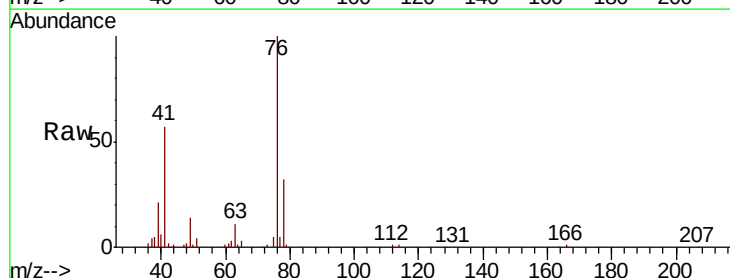
Acq: 29 May 2019 14:08

Tgt Ion: 76 Resp: 105309

Ion Ratio Lower Upper

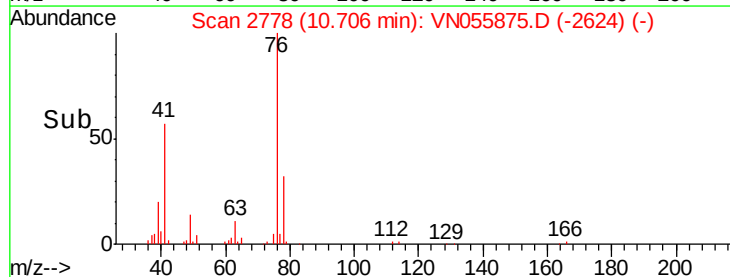
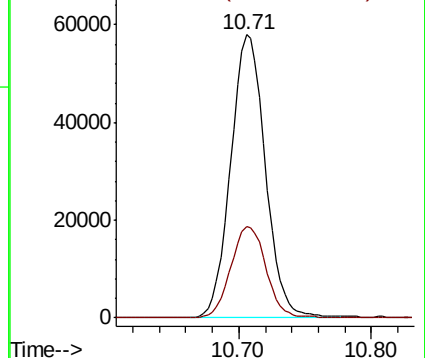
76 100

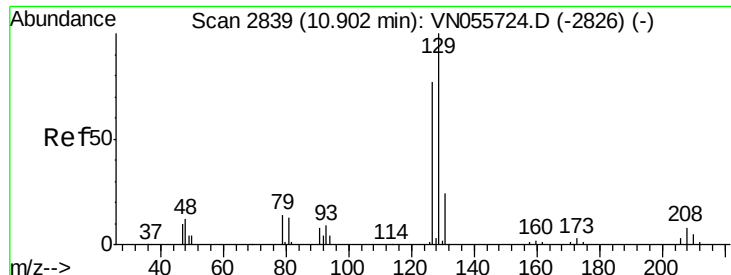
78 32.7 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055875.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN055875.D (-2624) (-)





#53

Dibromochloromethane

Concen: 17.762 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

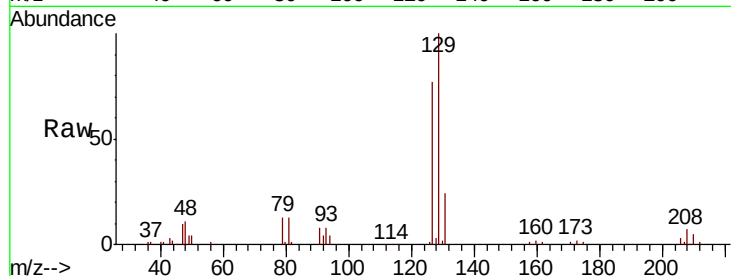
VN0529WBS01

Tot Ion:129 Resp: 67596

Ion Ratio Lower Upper

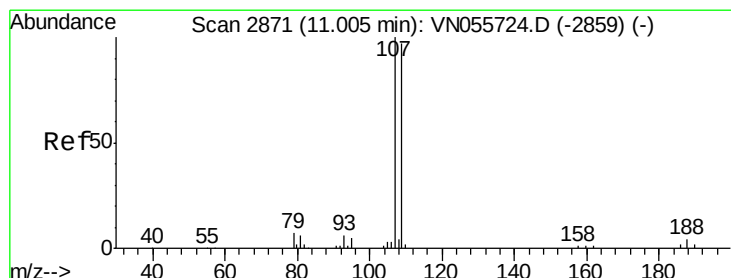
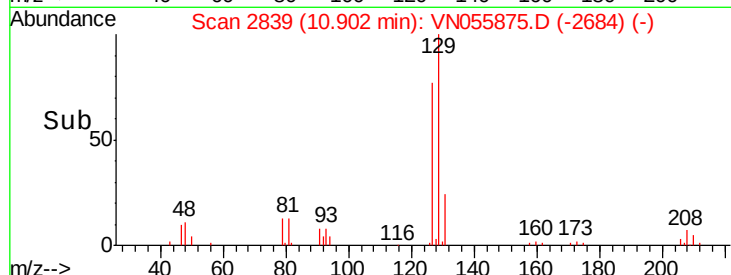
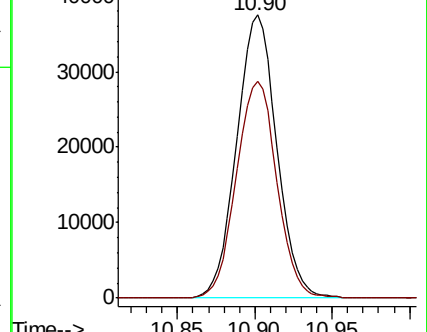
129 100

127 77.7 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: 20.145 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055875.D

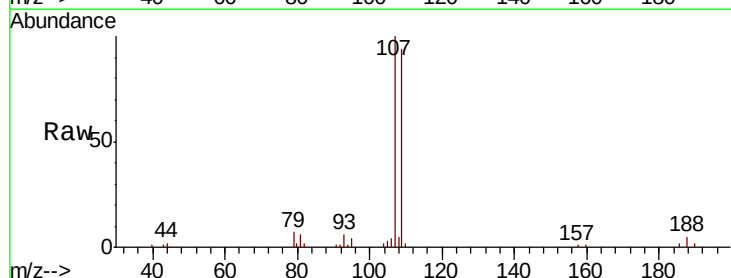
Acq: 29 May 2019 14:08

Tgt Ion:107 Resp: 67155

Ion Ratio Lower Upper

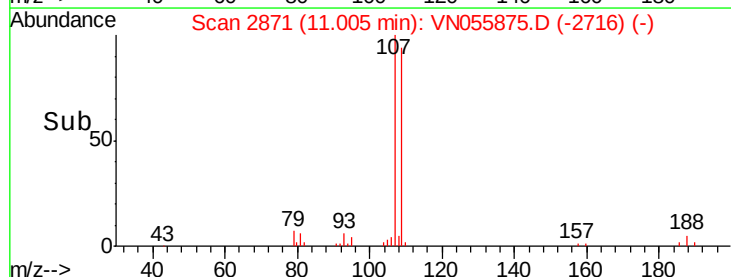
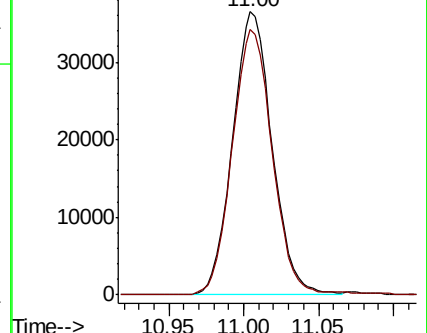
107 100

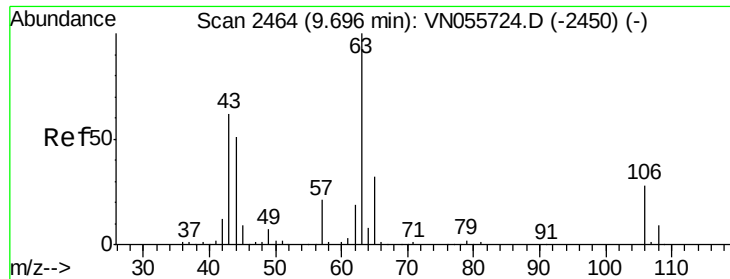
109 94.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

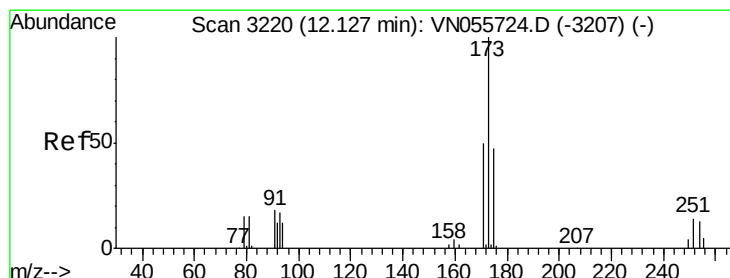
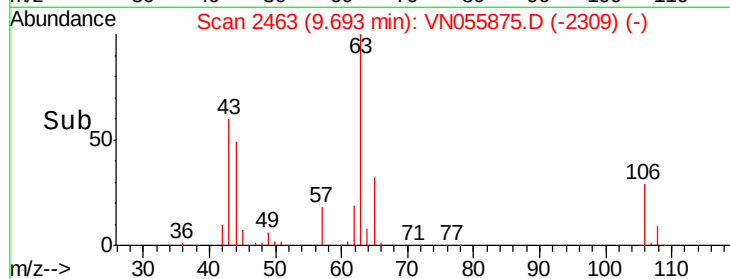
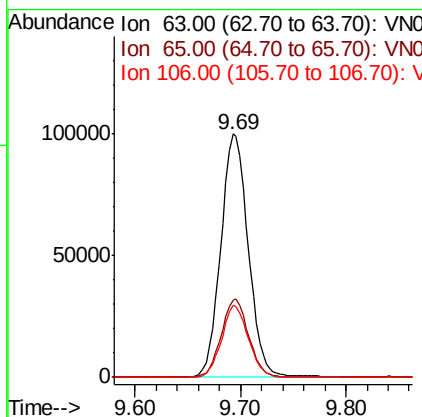
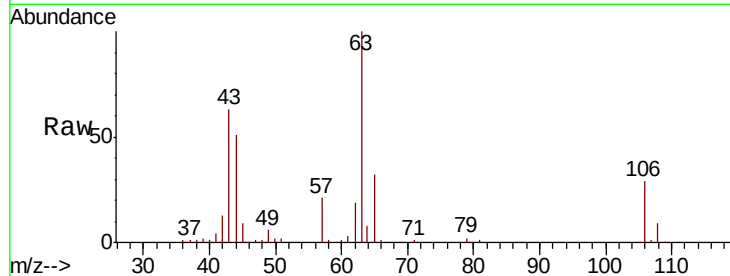




#55
2-Chloroethyl vinyl ether
Concen: 89.127 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

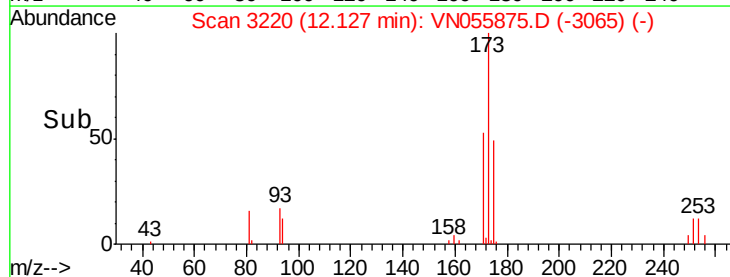
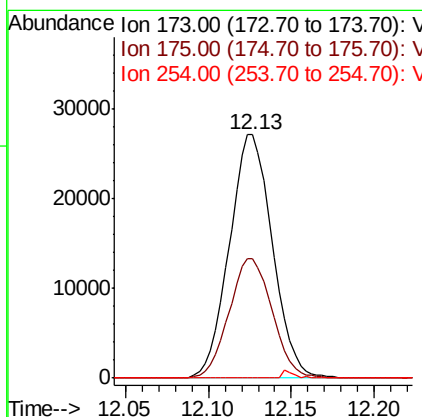
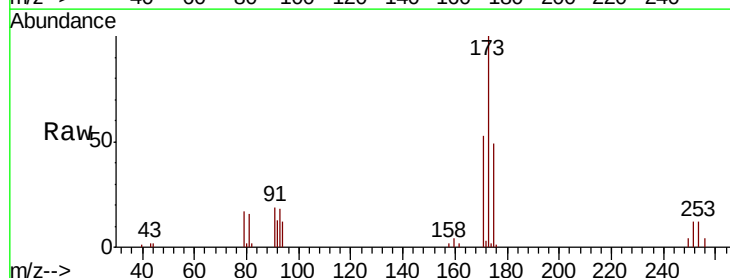
Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

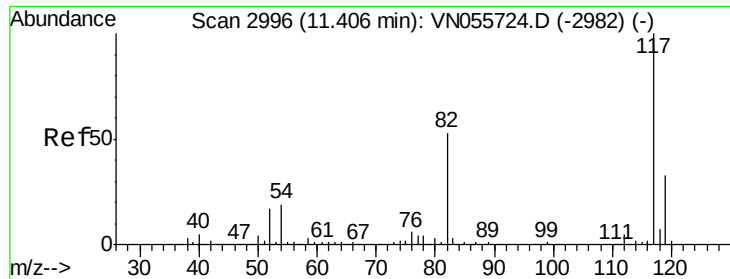
Tot Ion: 63 Resp: 180068
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 28.8 22.1 33.1



#56
Bromoform
Concen: 15.641 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 173 Resp: 48826
Ion Ratio Lower Upper
173 100
175 49.2 38.5 57.7
254 0.7 9.4 14.0#

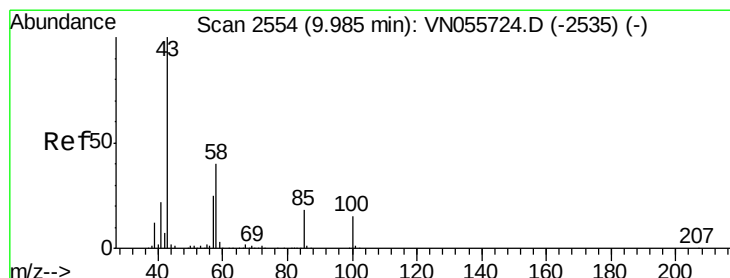
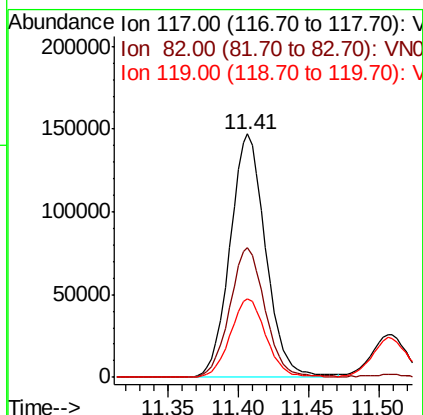
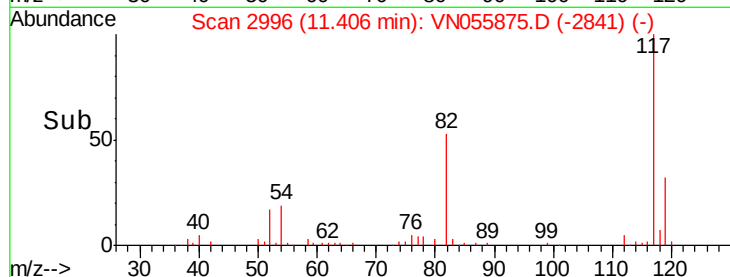
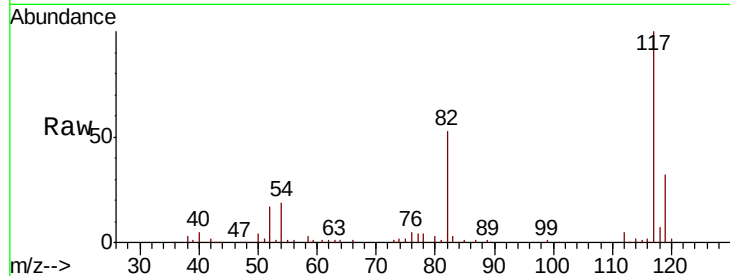




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

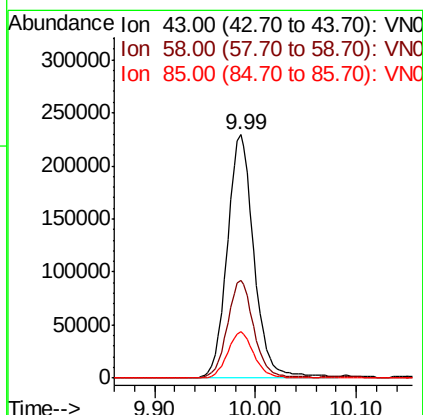
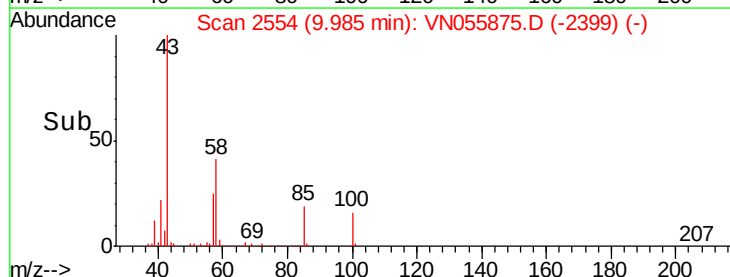
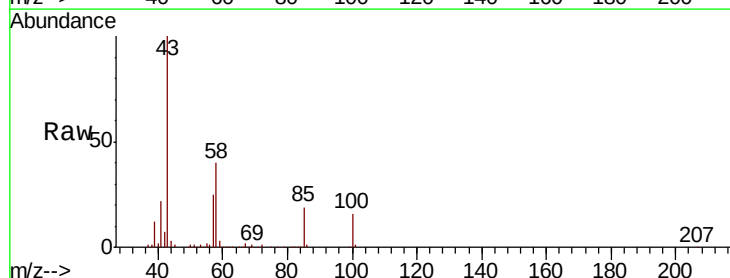
Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

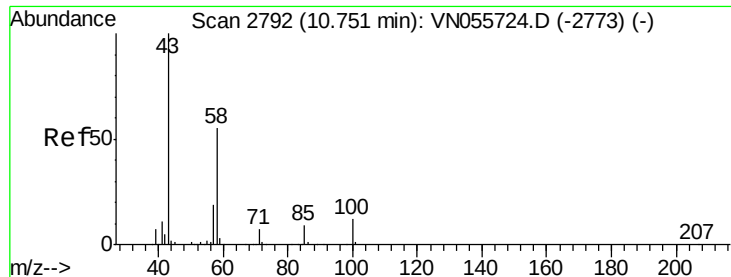
Tot Ion:117 Resp: 260118
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.4 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 98.351 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 43 Resp: 423516
Ion Ratio Lower Upper
43 100
58 40.0 31.7 47.5
85 18.7 14.5 21.7

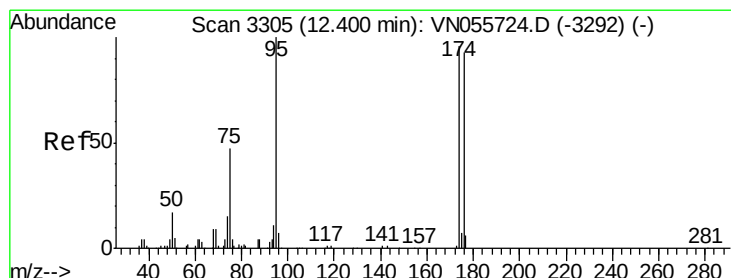
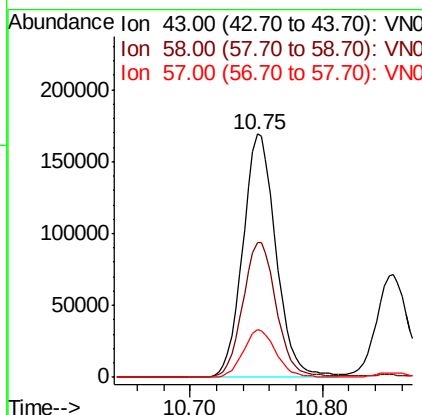
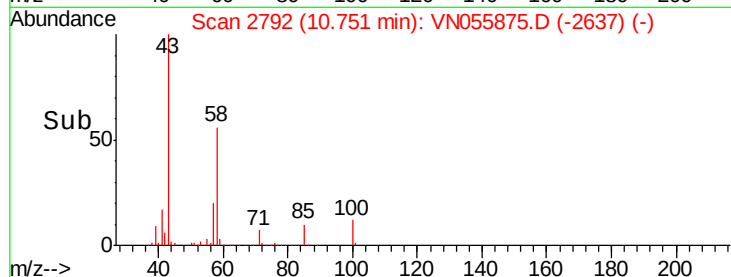
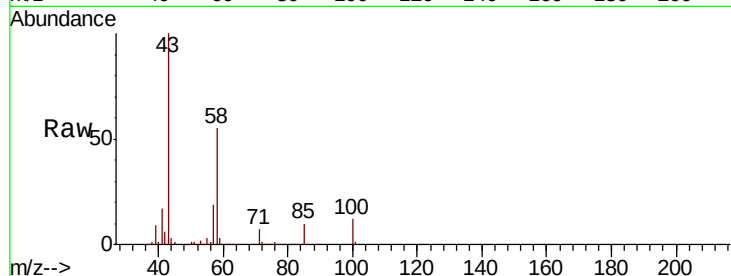




#59
2-Hexanone
Concen: 95.003 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

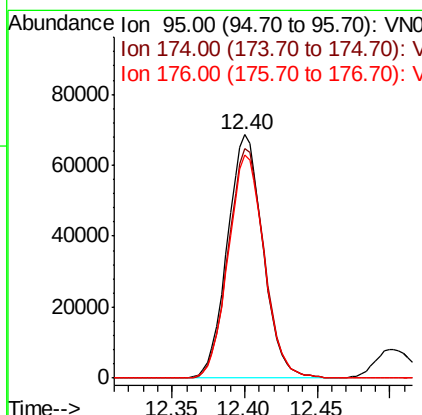
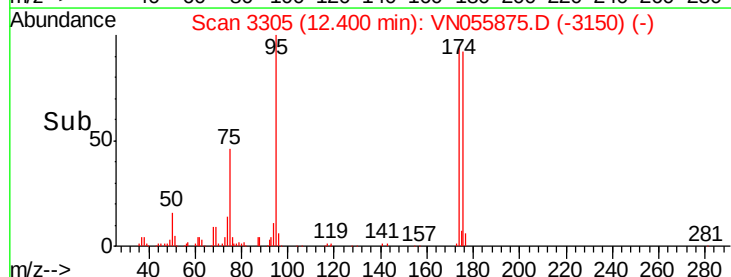
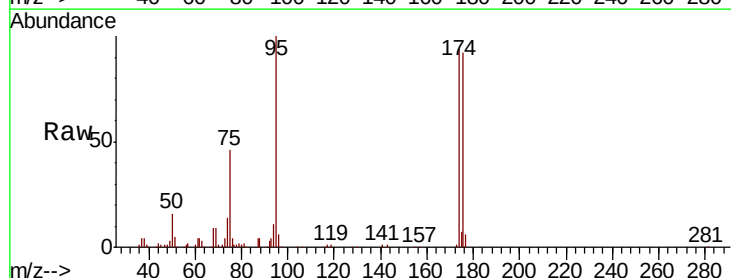
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

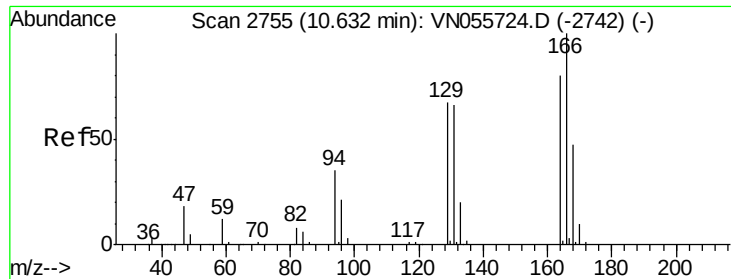
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	44.8	67.2
57	19.3	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 28.837 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	75.7	113.5
176	92.6	74.1	111.1





#61

Tetrachloroethene

Concen: 20.995 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

Tot Ion:164 Resp: 73927

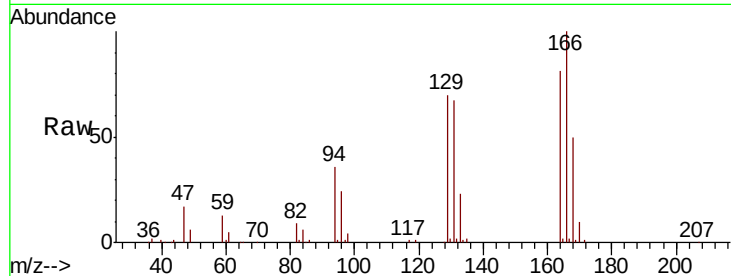
Ion Ratio Lower Upper

164 100

166 124.0 100.6 150.8

129 87.2 67.4 101.2

131 83.6 66.6 99.8



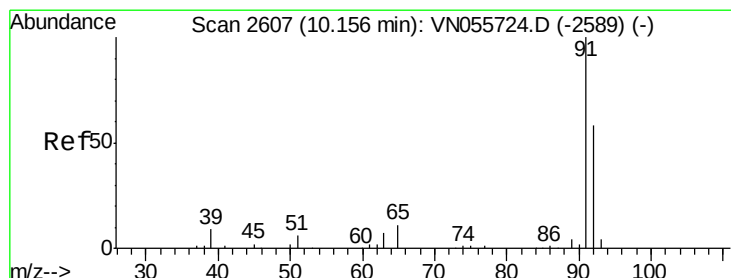
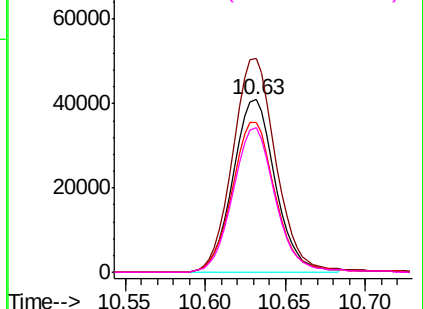
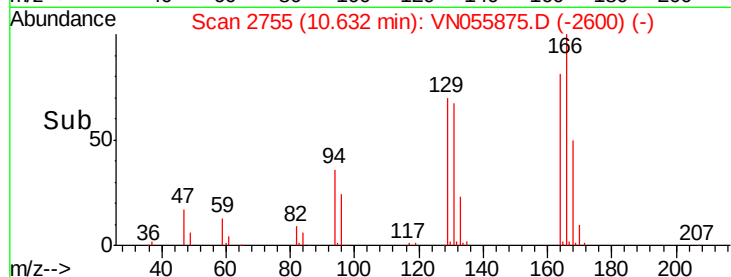
Abundance

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: 20.372 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055875.D

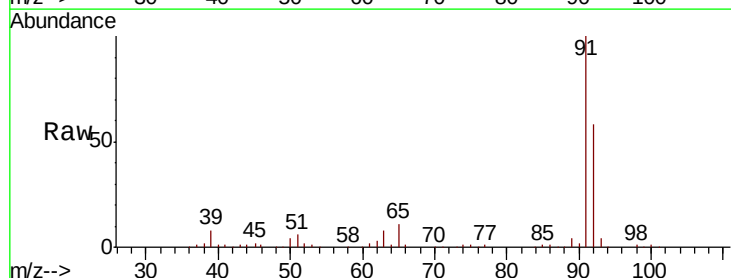
Acq: 29 May 2019 14:08

Tgt Ion: 91 Resp: 284967

Ion Ratio Lower Upper

91 100

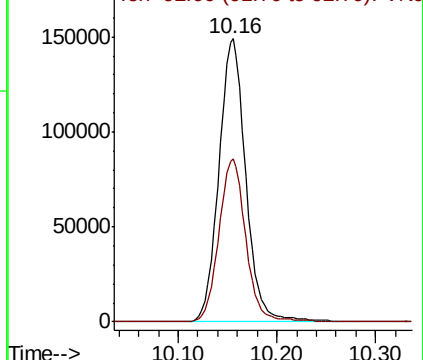
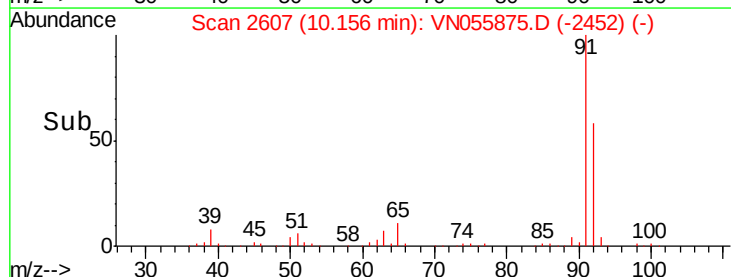
92 57.4 45.6 68.4

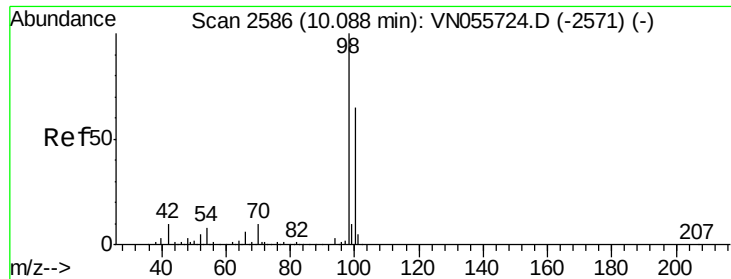


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.226 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

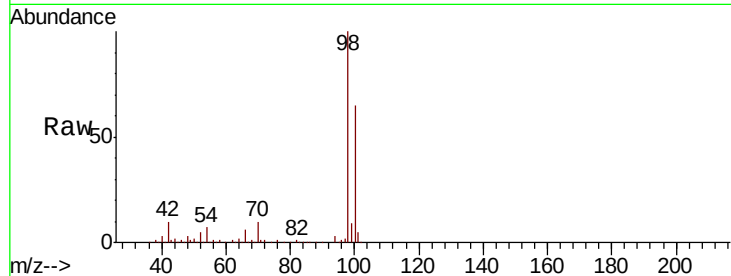
VN0529WBS01

Tot Ion: 98 Resp: 359297

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055875.D

Ion 100.00 (99.70 to 100.70): VN055875.D

10.09

200000

150000

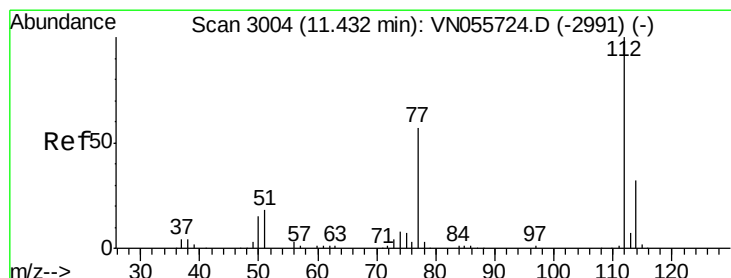
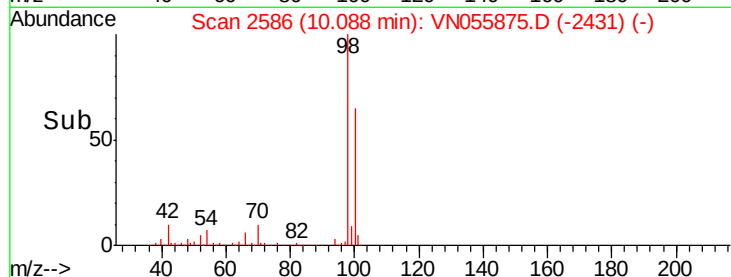
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.366 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055875.D

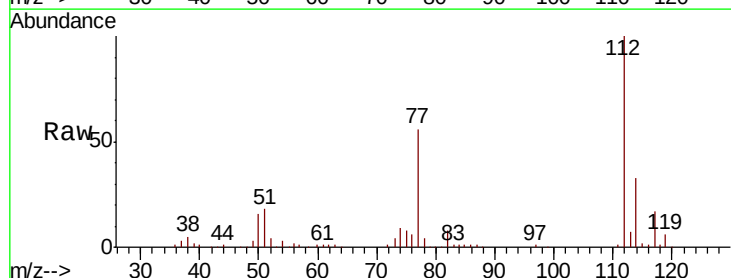
Acq: 29 May 2019 14:08

Tgt Ion: 112 Resp: 172809

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055875.D

Ion 114.00 (113.70 to 114.70): VN055875.D

11.43

100000

80000

60000

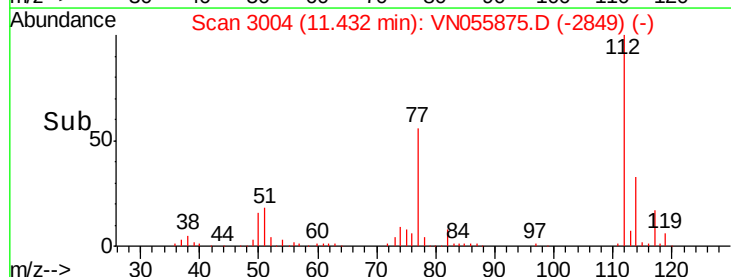
40000

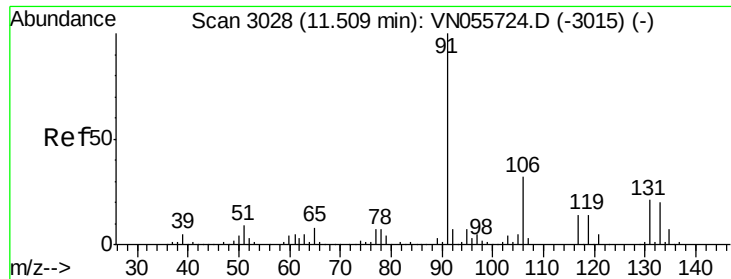
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.985 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

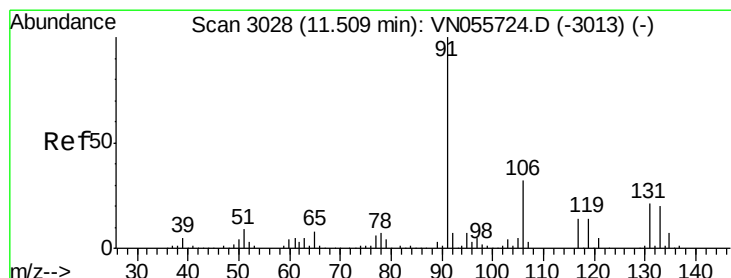
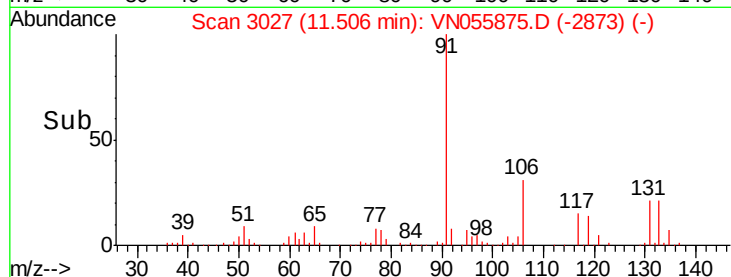
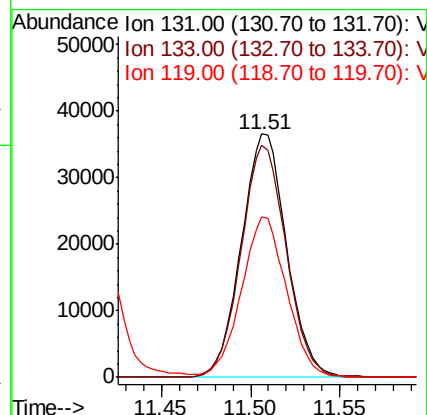
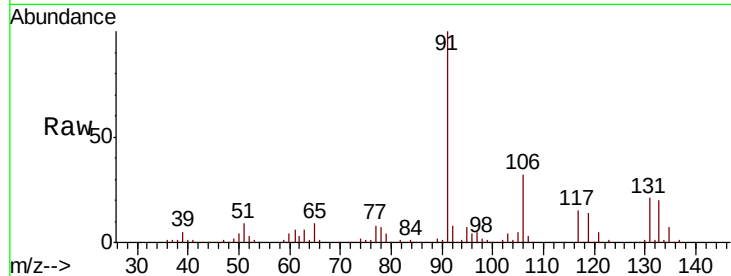
Tot Ion:131 Resp: 64906

Ion Ratio Lower Upper

131 100

133 95.1 0.0 188.8

119 65.9 0.0 133.6



#66

Ethyl Benzene

Concen: 19.960 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055875.D

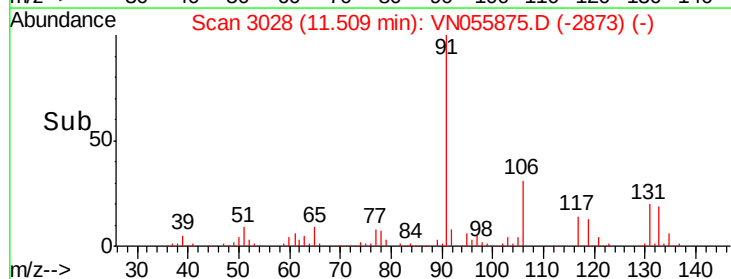
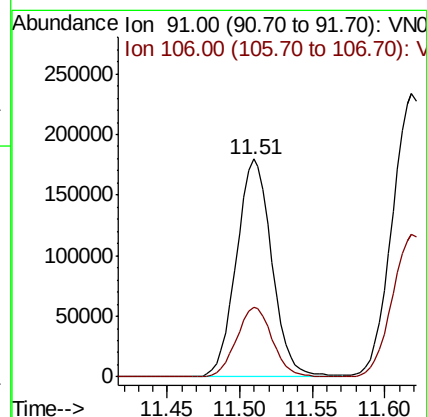
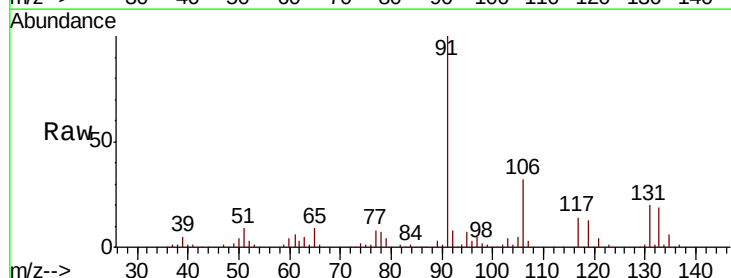
Acq: 29 May 2019 14:08

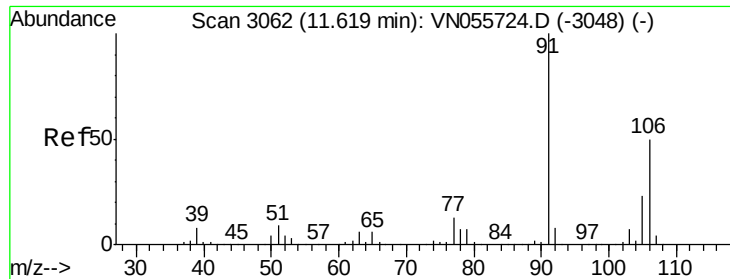
Tgt Ion: 91 Resp: 305049

Ion Ratio Lower Upper

91 100

106 31.8 25.6 38.4

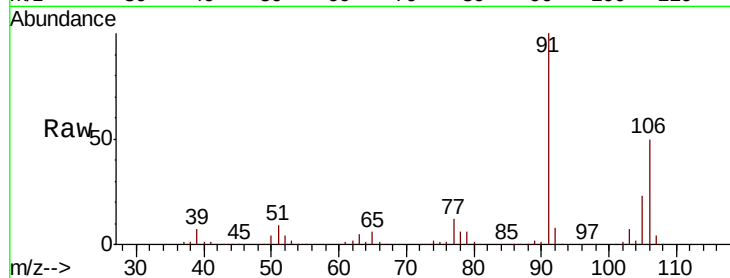




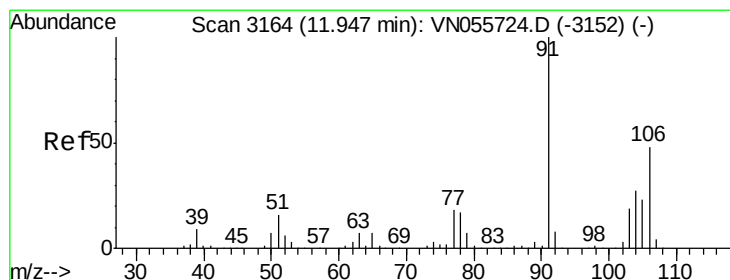
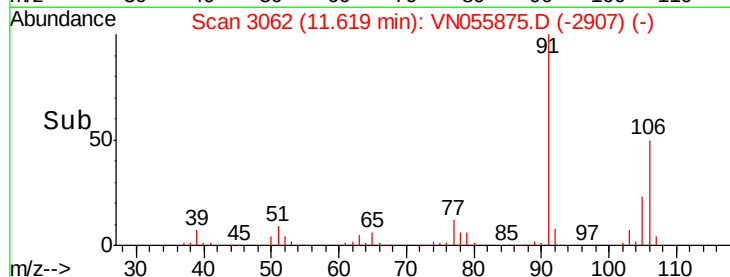
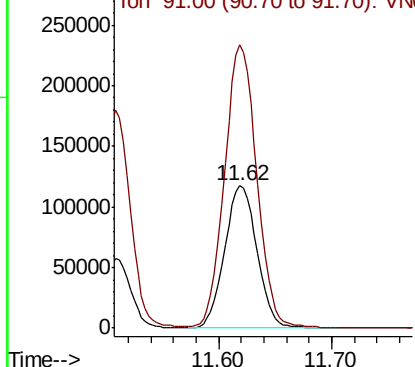
#67
m/p-Xylenes
Concen: 40.371 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

Tot Ion:106 Resp: 234392
Ion Ratio Lower Upper
106 100
91 198.0 159.5 239.3

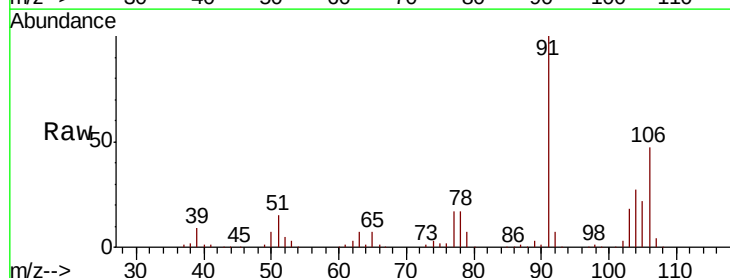


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

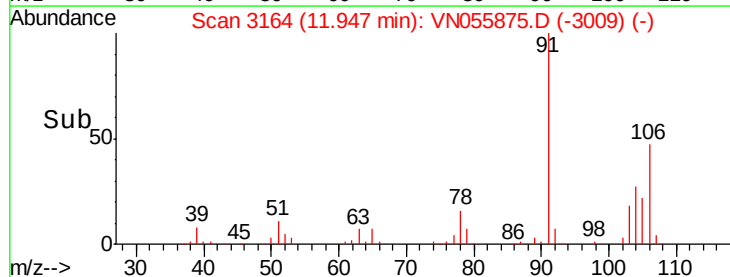
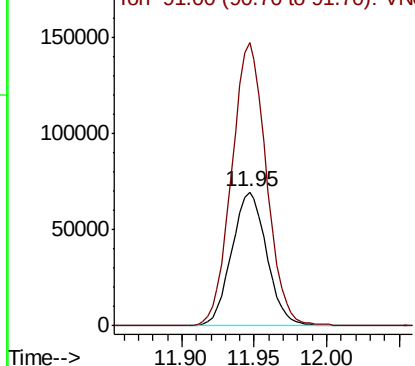


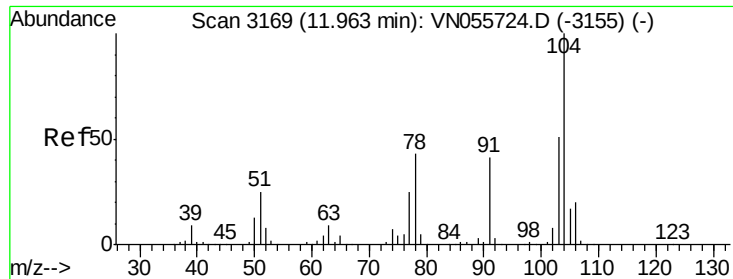
#68
o-Xylene
Concen: 20.356 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion:106 Resp: 116951
Ion Ratio Lower Upper
106 100
91 209.5 105.4 316.1



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





#69

Stvrene

Concen: 19.650 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

VN0529WBS01

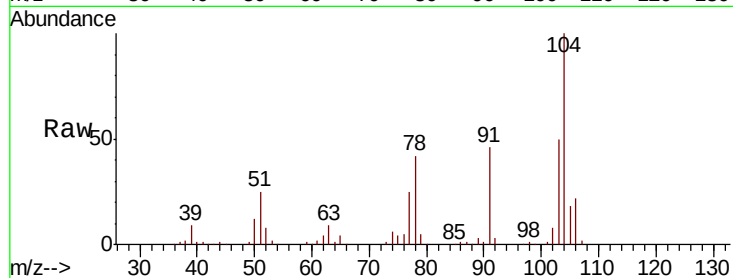
Tot Ion:104 Resp: 186257

Ion Ratio Lower Upper

104 100

78 47.0 38.7 58.1

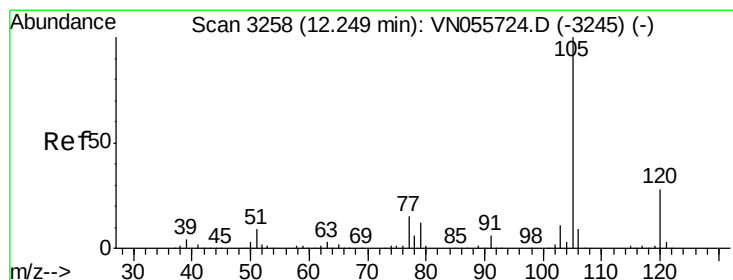
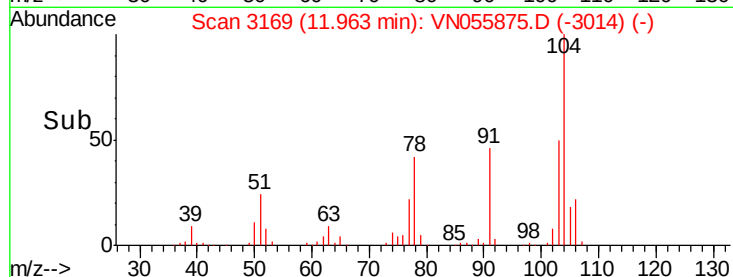
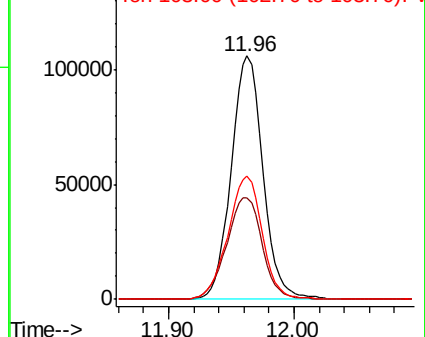
103 54.8 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.486 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055875.D

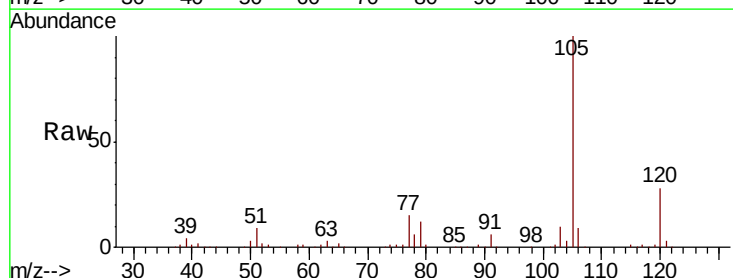
Acq: 29 May 2019 14:08

Tgt Ion:105 Resp: 307951

Ion Ratio Lower Upper

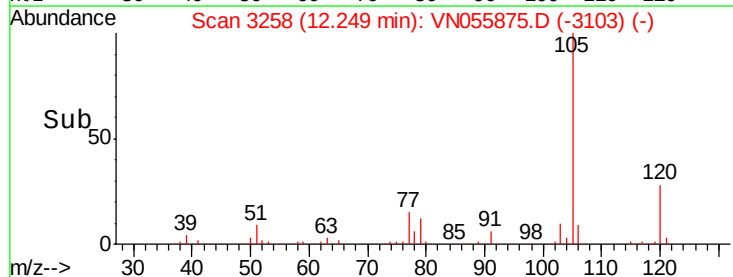
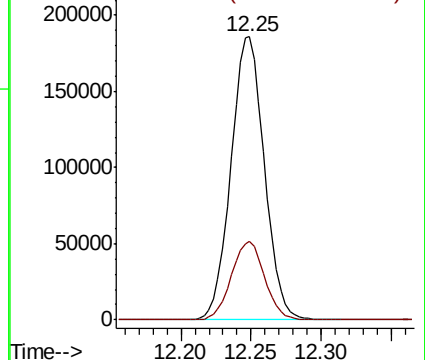
105 100

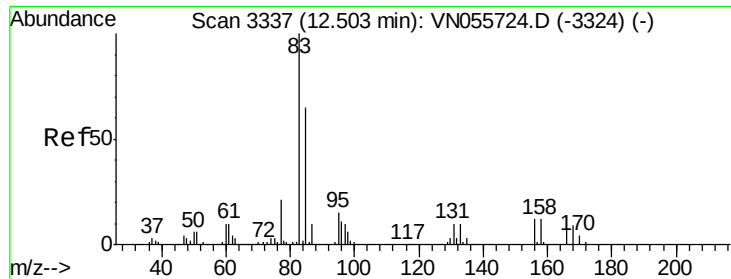
120 27.6 19.2 35.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

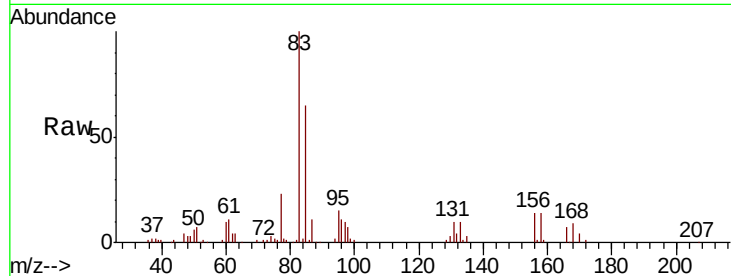




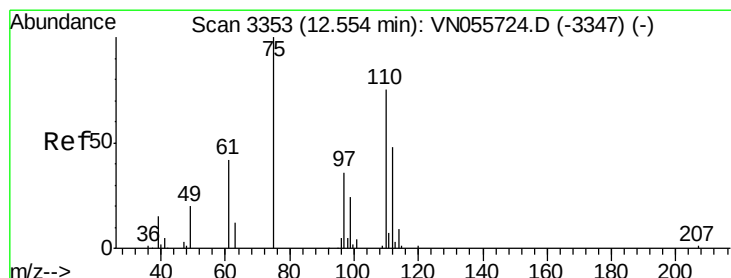
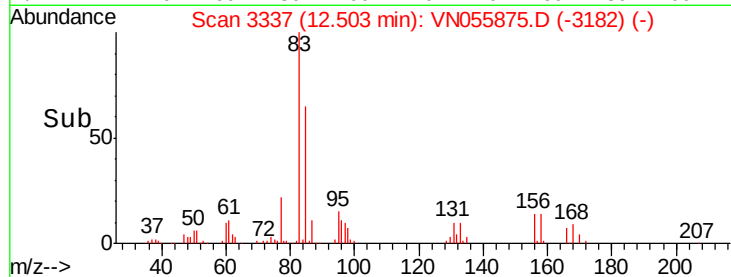
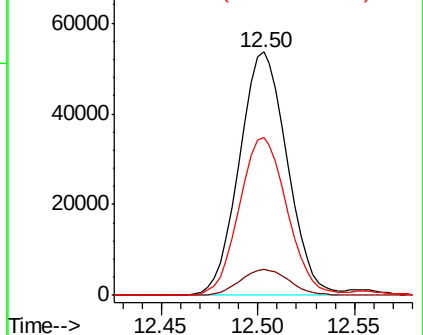
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.982 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

Tot Ion	83	Resp	92443
Ion Ratio	100	Lower	Upper
131	11.0	5.3	15.8
85	64.8	32.3	96.9

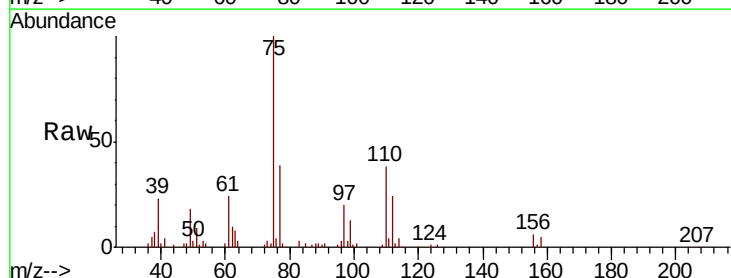


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

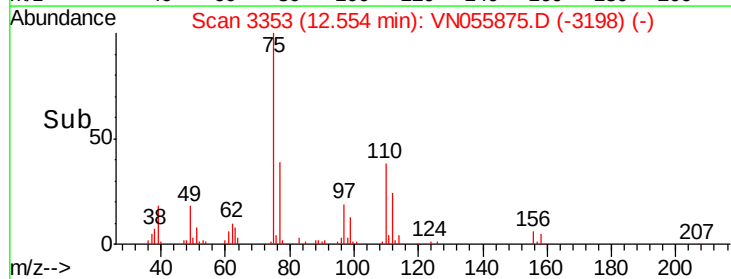
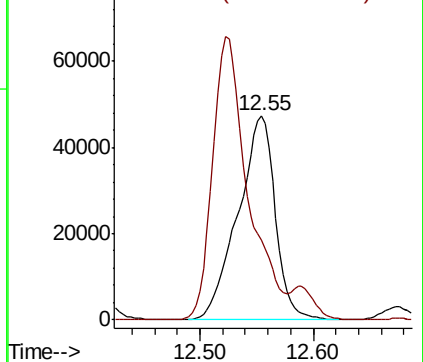


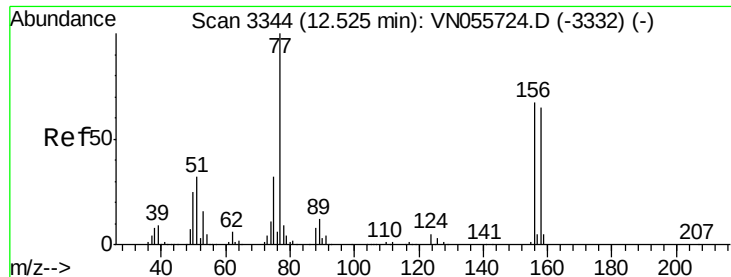
#72
 1,2,3-Trichloropropane
 Concen: 27.230 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion	75	Resp	108419
Ion Ratio	100	Lower	Upper
77	131.4	0.0	349.8



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





#73

Bromobenzene

Concen: 19.882 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

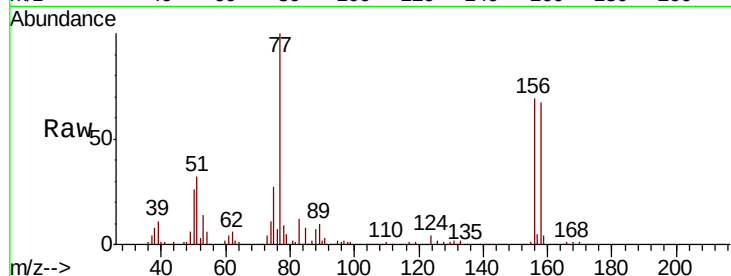
Tot Ion:156 Resp: 79066

Ion Ratio Lower Upper

156 100

77 180.2 0.0 368.0

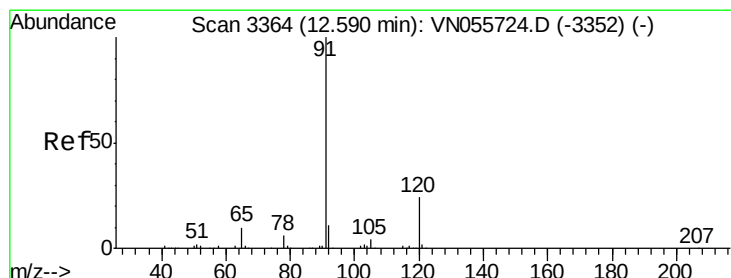
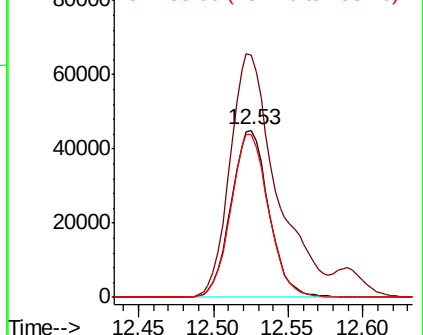
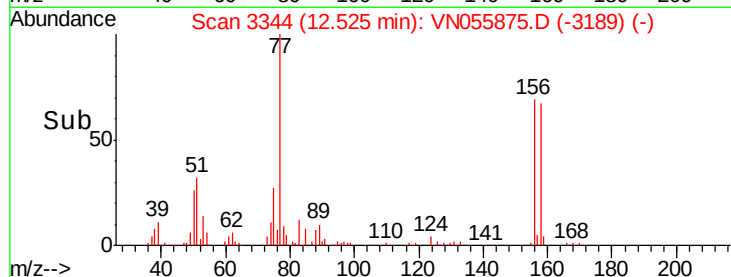
158 97.6 0.0 195.0



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: 19.863 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055875.D

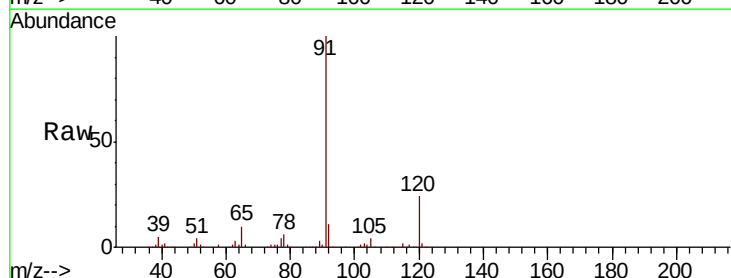
Acq: 29 May 2019 14:08

Tgt Ion: 91 Resp: 322033

Ion Ratio Lower Upper

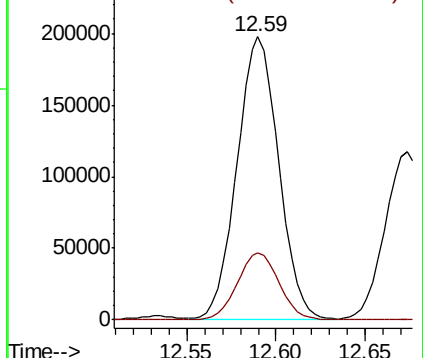
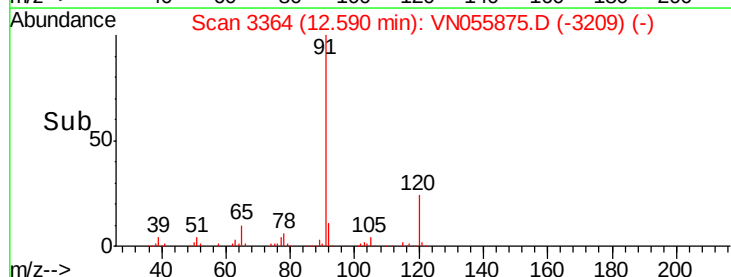
91 100

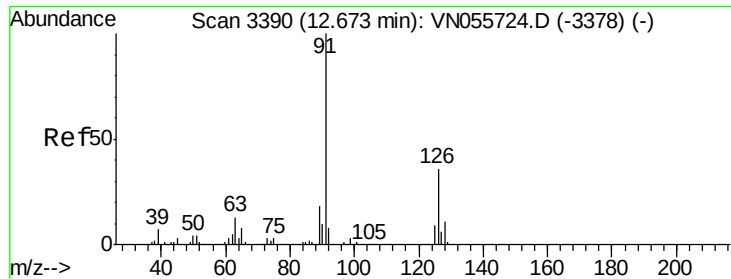
120 23.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

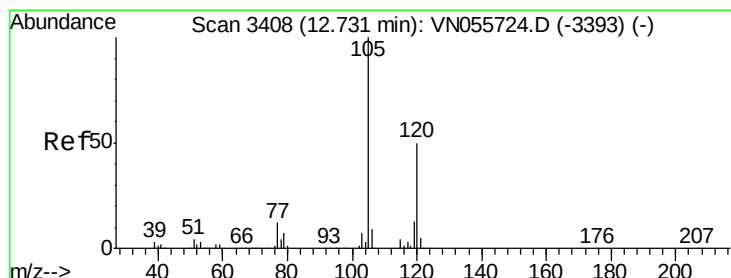
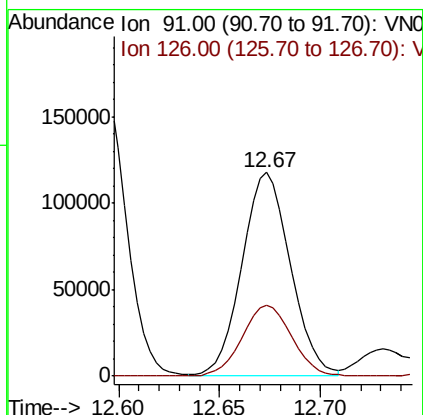
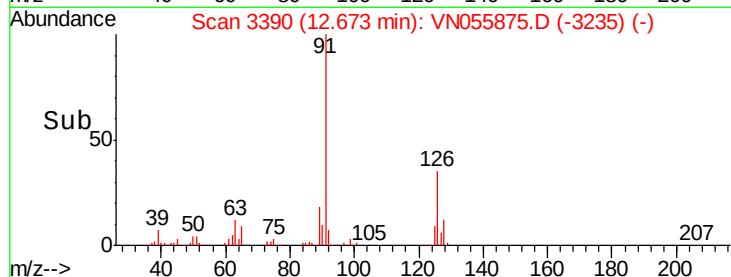
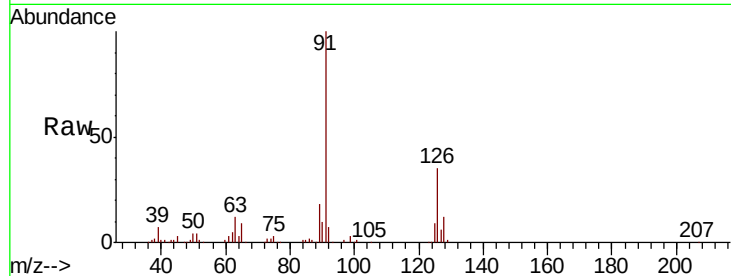
VN0529WBS01

Tot Ion: 91 Resp: 198620

Ion Ratio Lower Upper

91 100

126 35.6 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 20.323 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055875.D

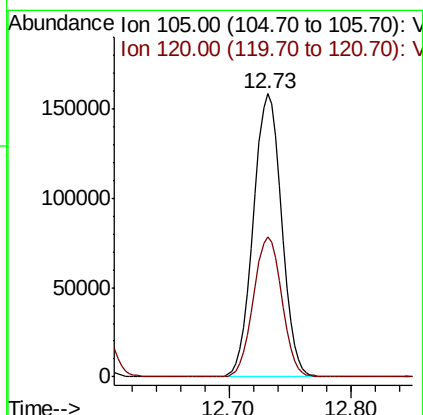
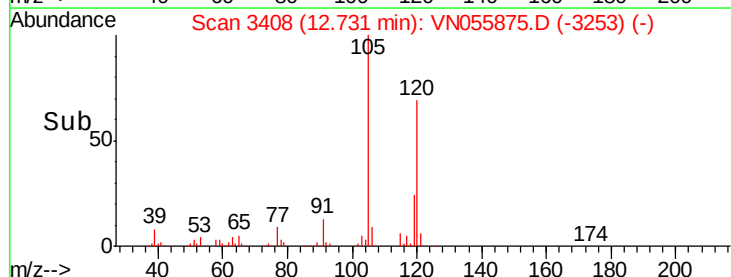
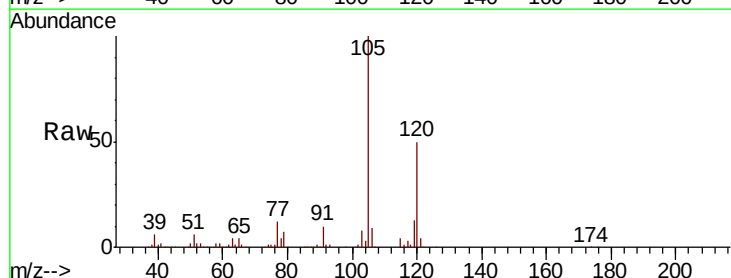
Acq: 29 May 2019 14:08

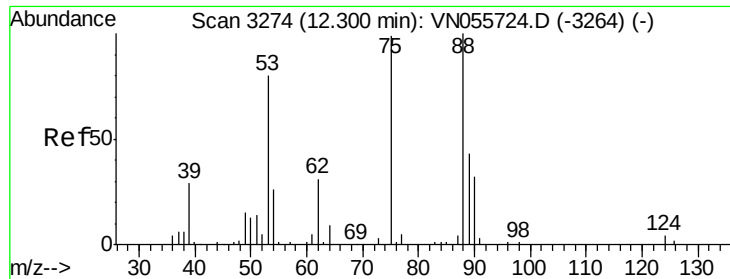
Tgt Ion: 105 Resp: 252528

Ion Ratio Lower Upper

105 100

120 49.8 0.0 99.2

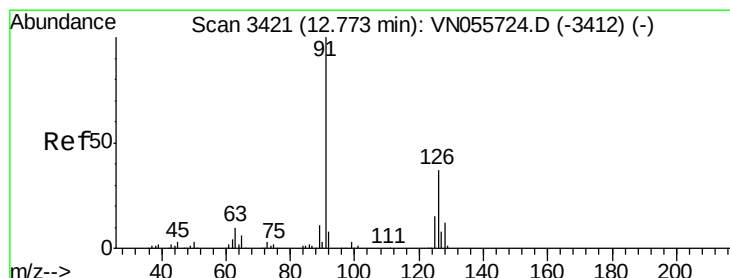
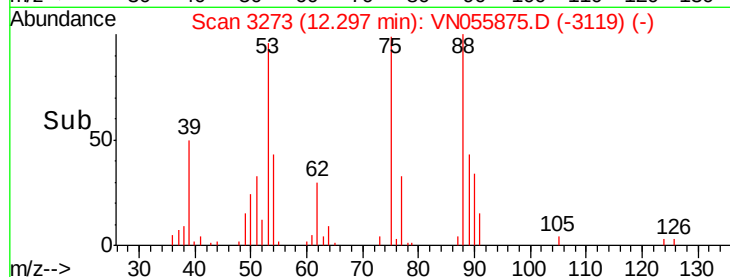
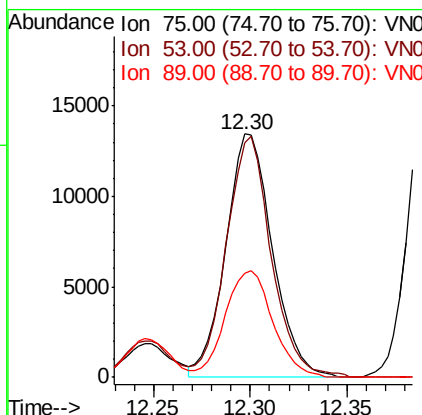
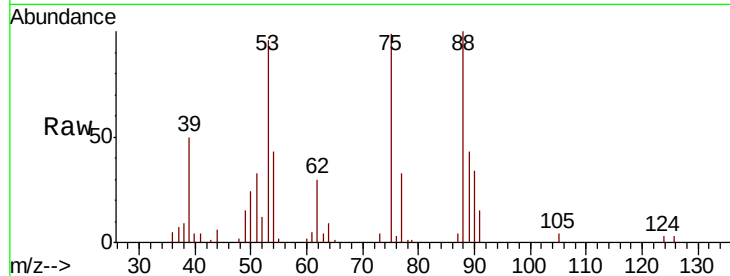




#77
t-1,4-Dichloro-2-butene
Concen: 14.265 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

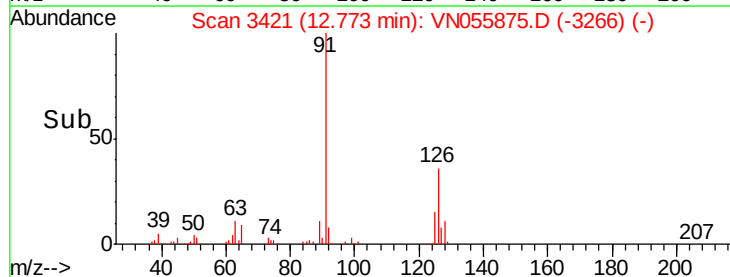
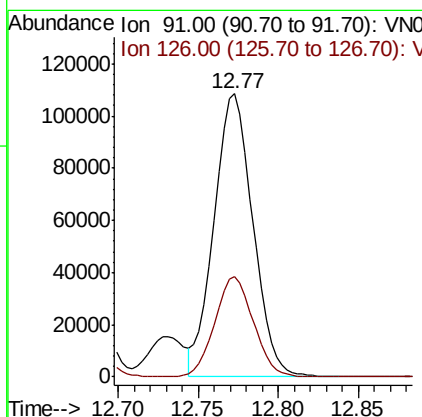
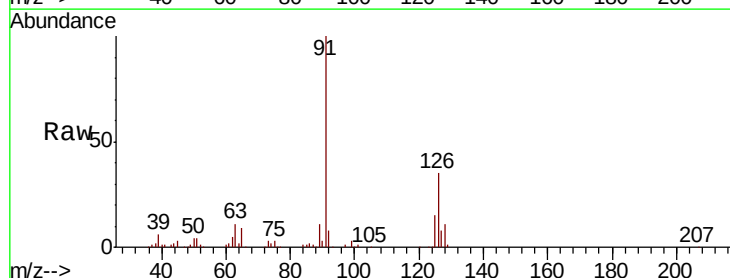
Instrument :
MSVOA_N
ClientSampleId :
VN0529WBS01

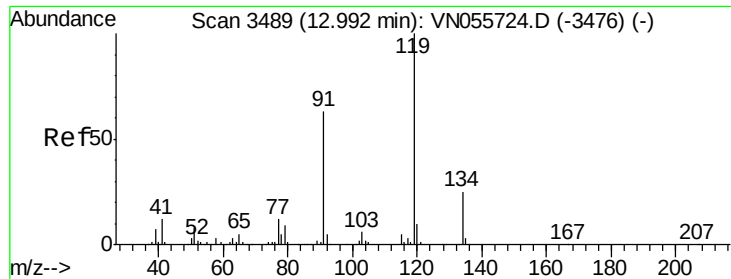
Tot Ion: 75 Resp: 22561
Ion Ratio Lower Upper
75 100
53 95.0 40.1 120.3
89 42.9 22.6 67.8



#78
4-Chlorotoluene
Concen: 19.406 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion: 91 Resp: 182138
Ion Ratio Lower Upper
91 100
126 35.1 0.0 69.0

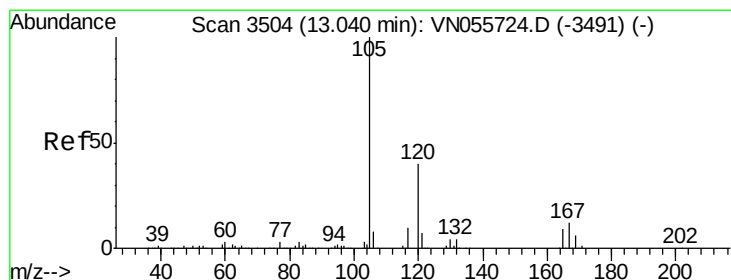
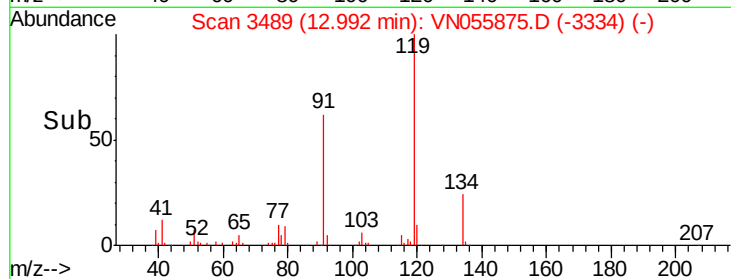
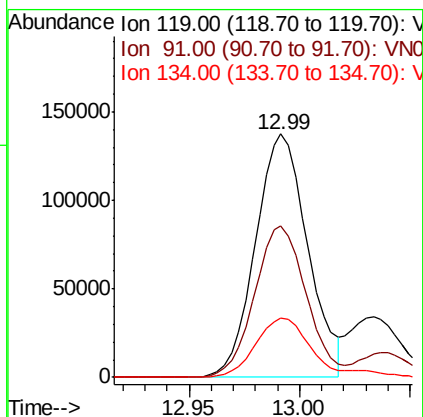
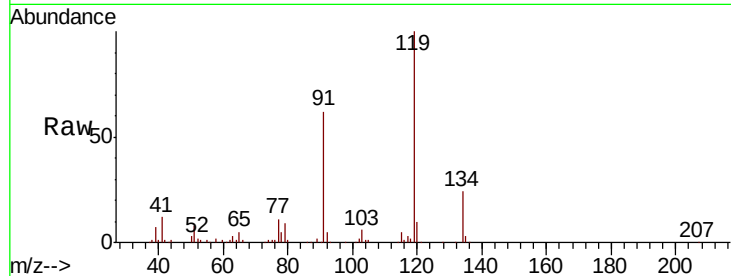




#79
tert-butylbenzene
Concen: 20.650 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

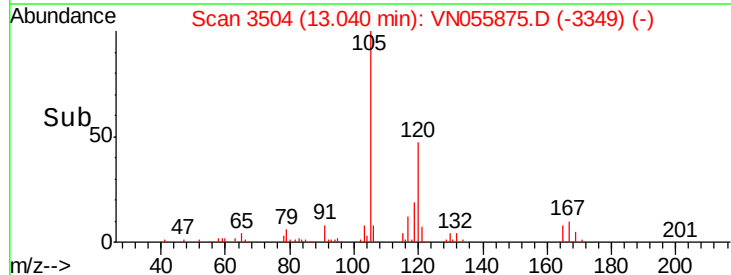
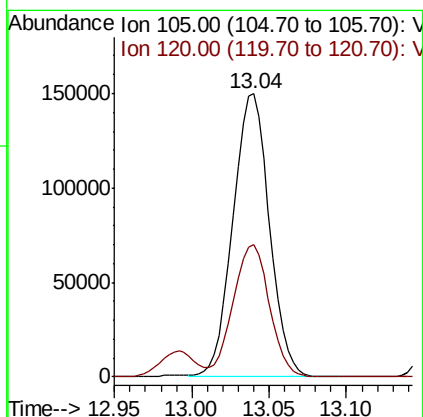
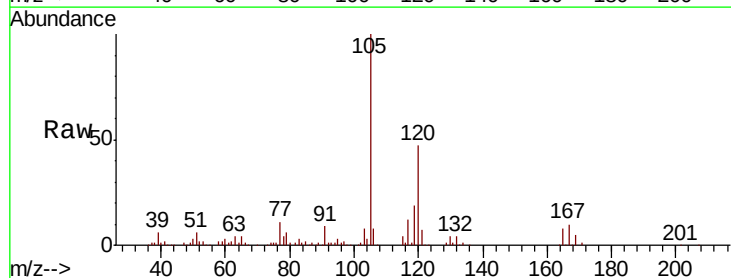
Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

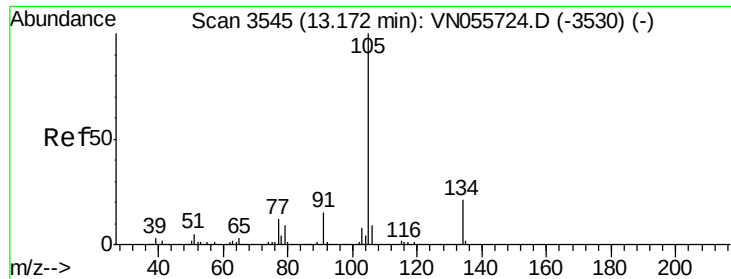
Tot Ion:119 Resp: 225576
Ion Ratio Lower Upper
119 100
91 61.7 0.0 123.8
134 24.9 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.894 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion:105 Resp: 245393
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.6





#81

sec-Butylbenzene

Concen: 20.404 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

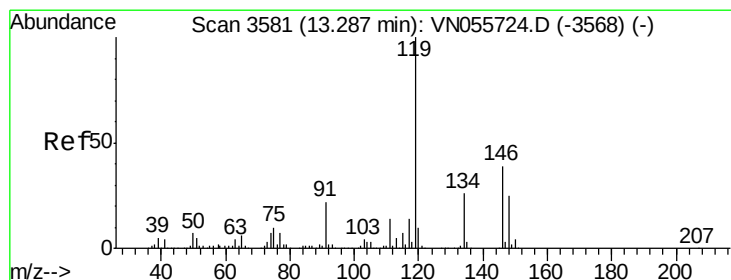
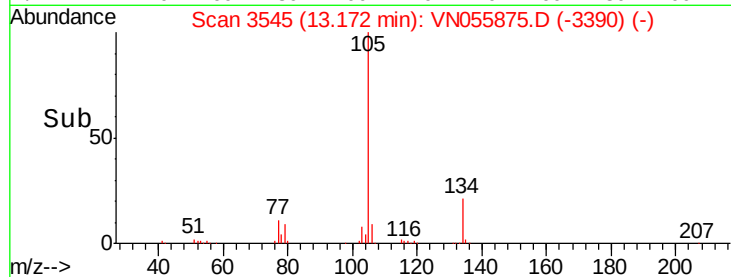
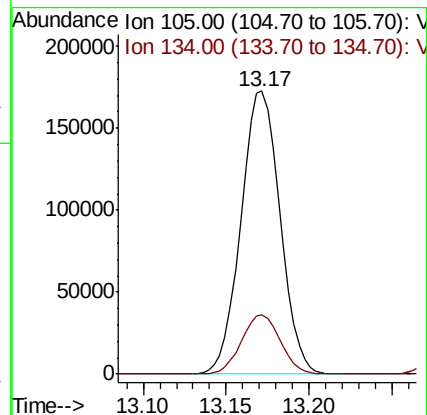
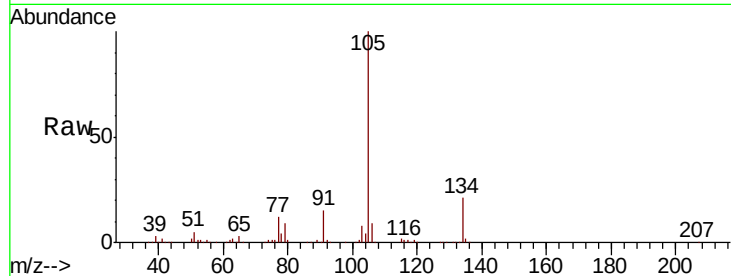
VN0529WBS01

Tot Ion:105 Resp: 283184

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.4



#82

p-Isopropyltoluene

Concen: 20.171 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

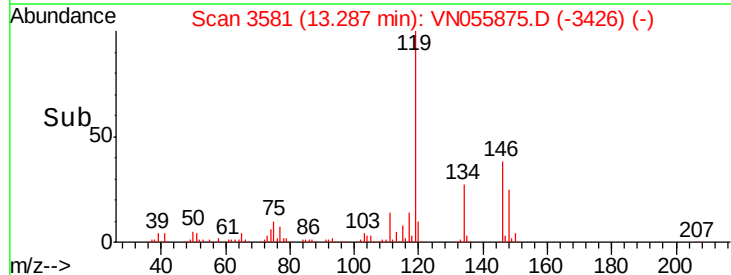
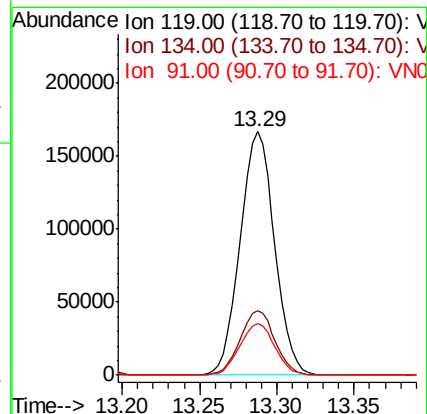
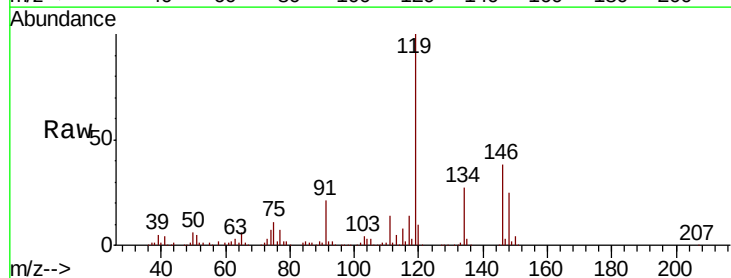
Tgt Ion:119 Resp: 257651

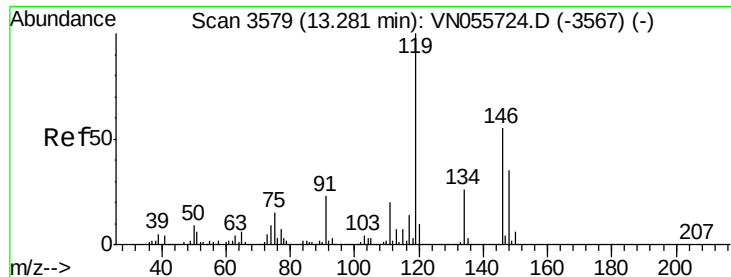
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.0

91 21.7 0.0 44.4





#83

1,3-Dichlorobenzene

Concen: 19.425 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

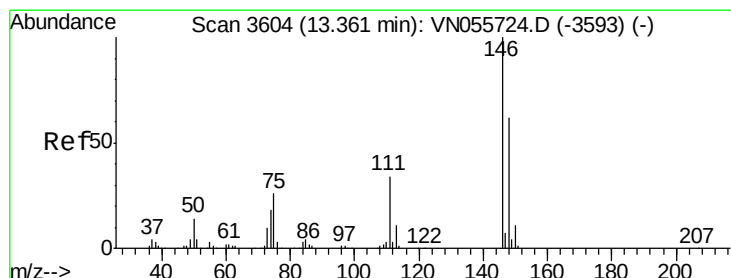
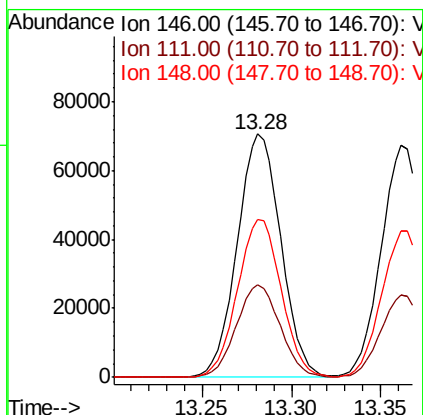
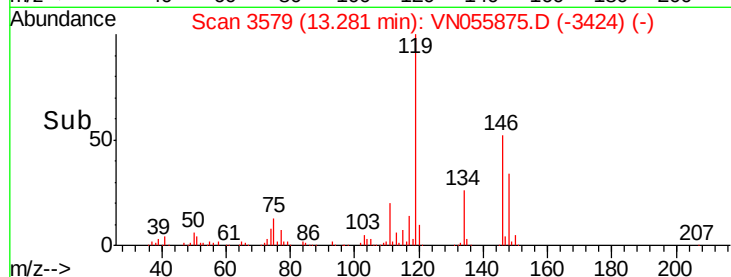
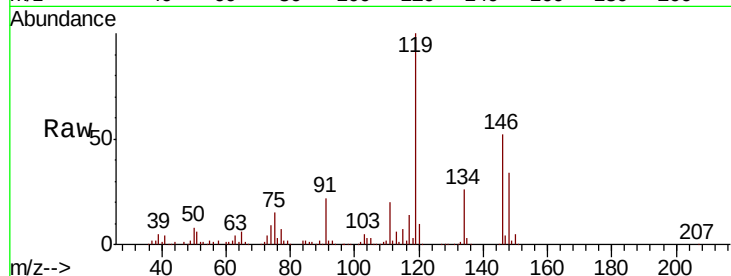
Tot Ion:146 Resp: 121096

Ion Ratio Lower Upper

146 100

111 37.9 18.6 55.6

148 64.9 32.2 96.6



#84

1,4-Dichlorobenzene

Concen: 19.126 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

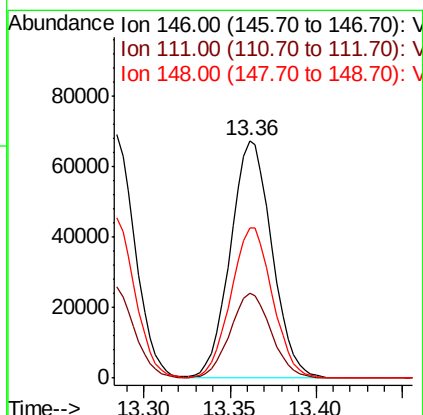
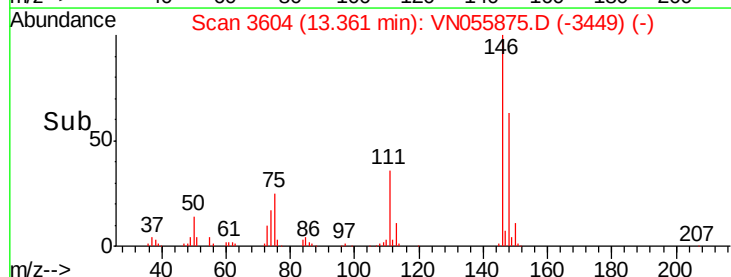
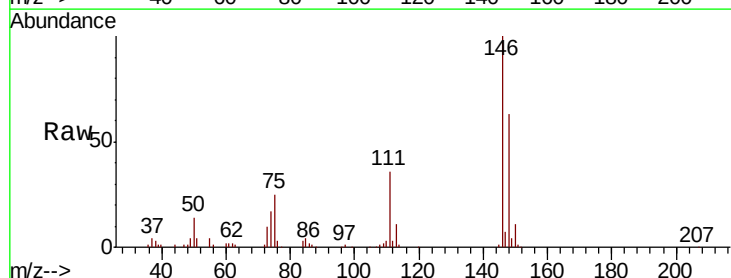
Tgt Ion:146 Resp: 113551

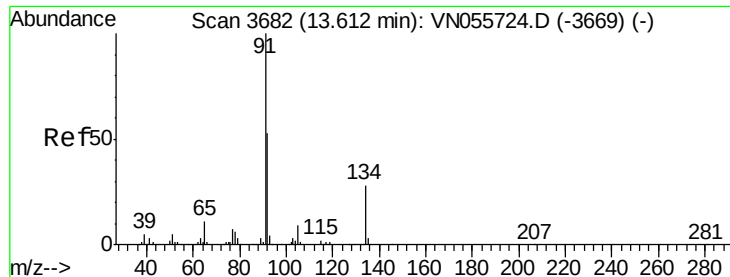
Ion Ratio Lower Upper

146 100

111 35.4 17.5 52.6

148 63.6 31.8 95.4





#85

n-Butylbenzene

Concen: 18.588 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

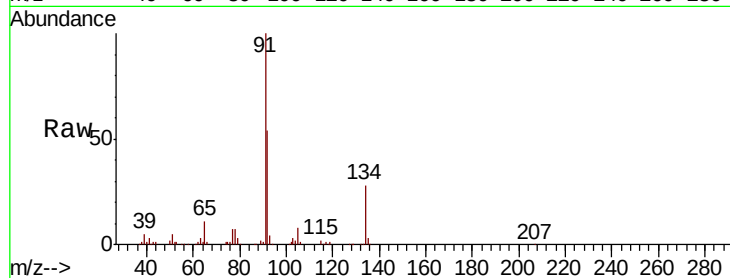
Tot Ion: 91 Resp: 184715

Ion Ratio Lower Upper

91 100

92 52.3 0.0 106.8

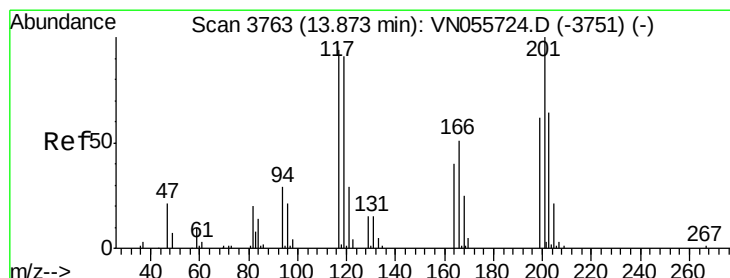
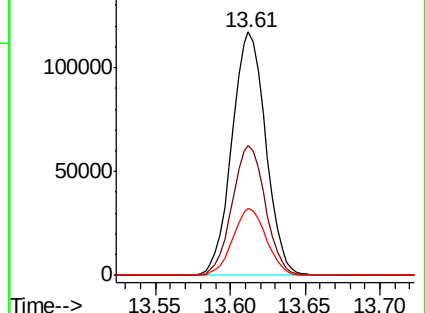
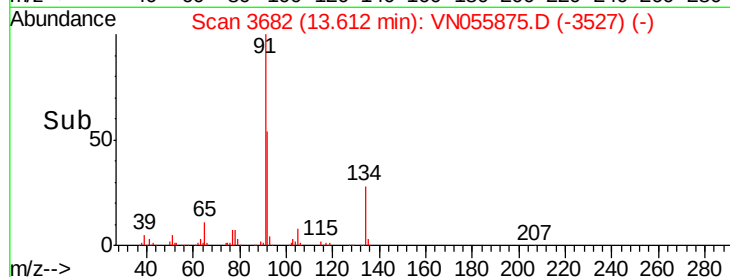
134 27.2 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055875.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN055875.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN055875.D (-3527) (-)



#86

Hexachloroethane

Concen: 16.720 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055875.D

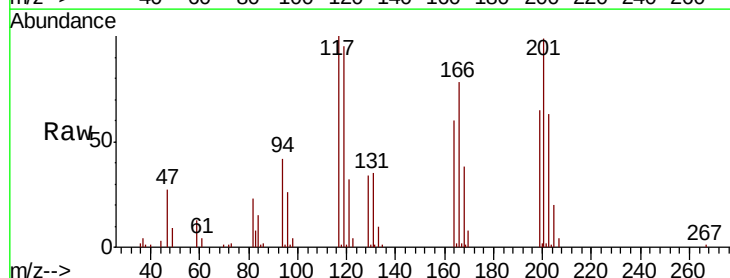
Acq: 29 May 2019 14:08

Tgt Ion: 117 Resp: 42006

Ion Ratio Lower Upper

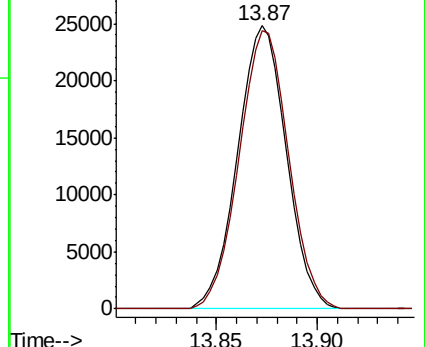
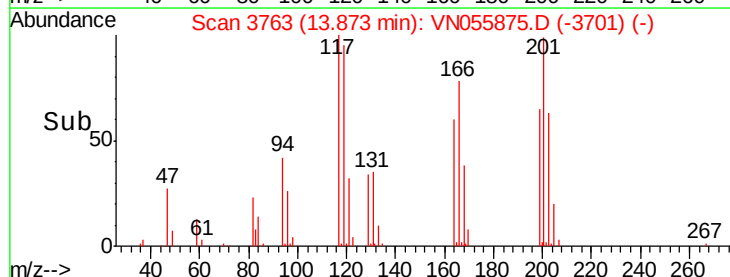
117 100

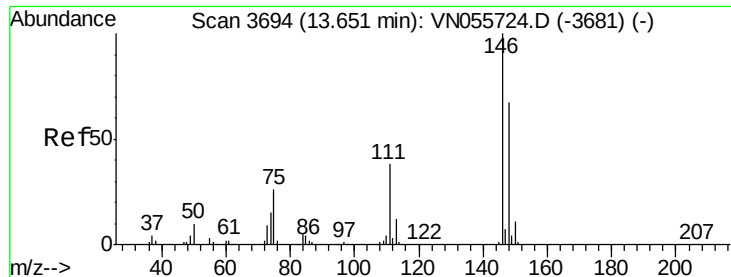
201 99.5 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055875.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN055875.D (-3701) (-)





#87

1,2-Dichlorobenzene

Concen: 20.276 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBS01

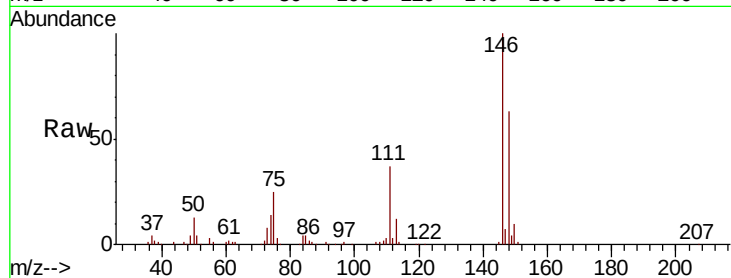
Tot Ion:146 Resp: 127281

Ion Ratio Lower Upper

146 100

111 37.9 19.2 57.6

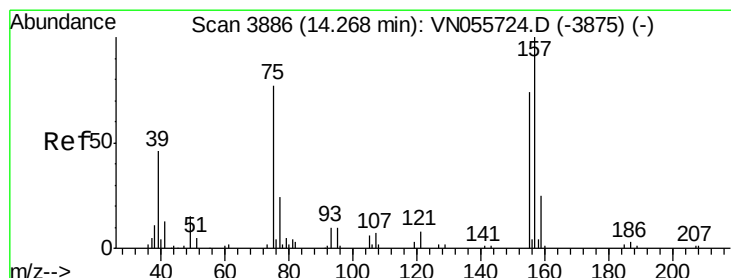
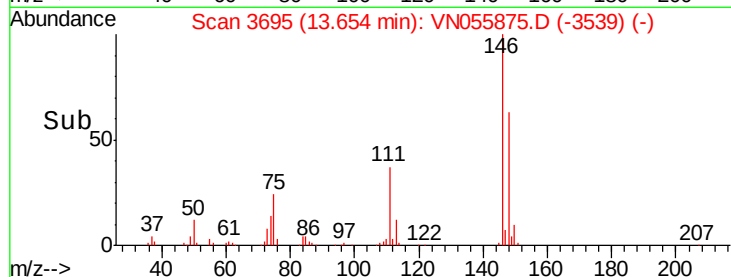
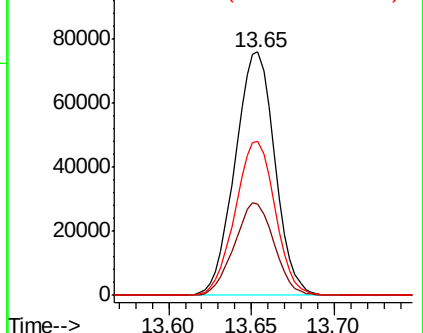
148 63.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.201 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055875.D

Acq: 29 May 2019 14:08

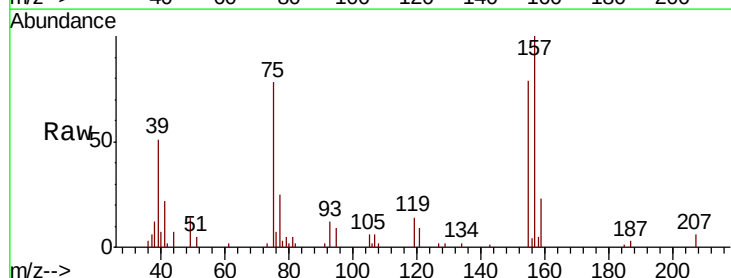
Tgt Ion: 75 Resp: 15082

Ion Ratio Lower Upper

75 100

155 100.5 78.4 117.6

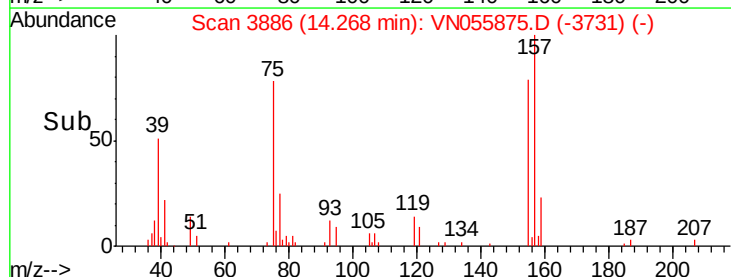
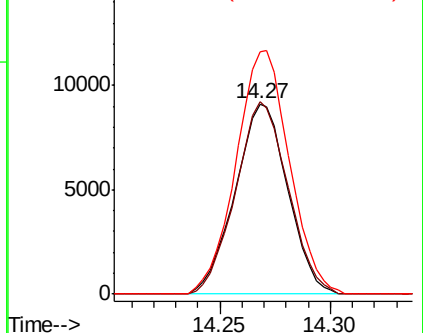
157 129.9 105.0 157.4

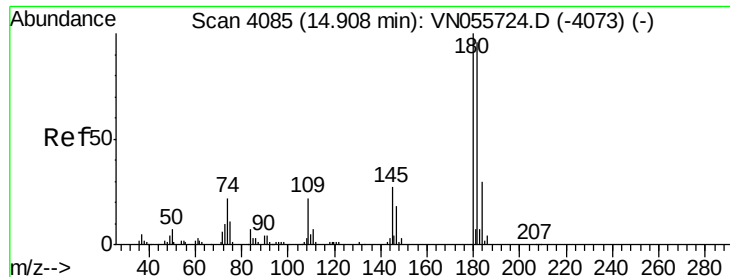


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

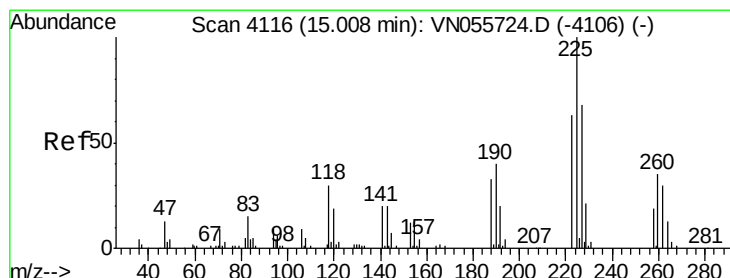
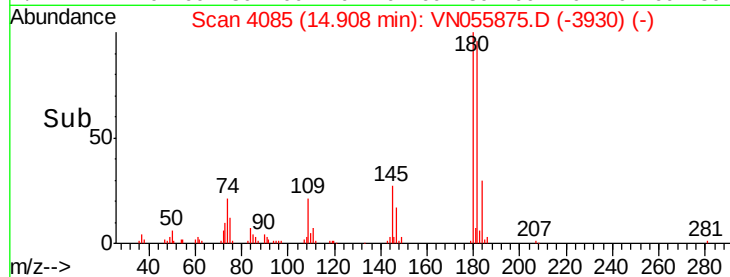
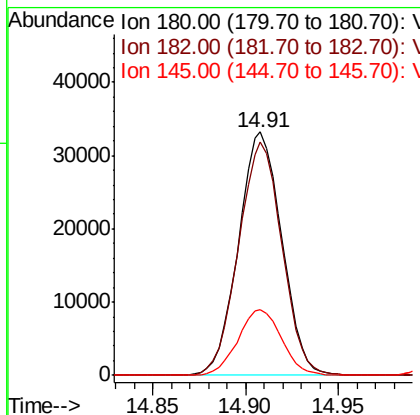
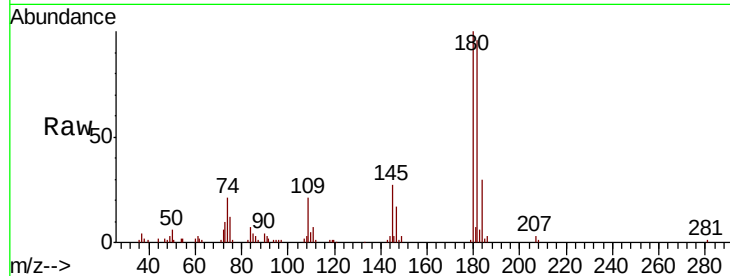




#89
 1,2,4-Trichlorobenzene
 Concen: 15.915 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

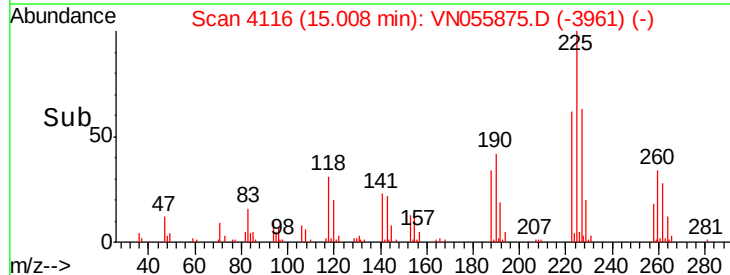
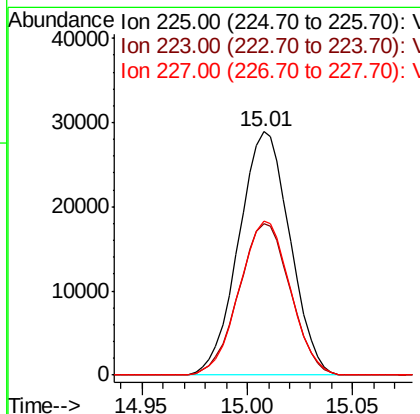
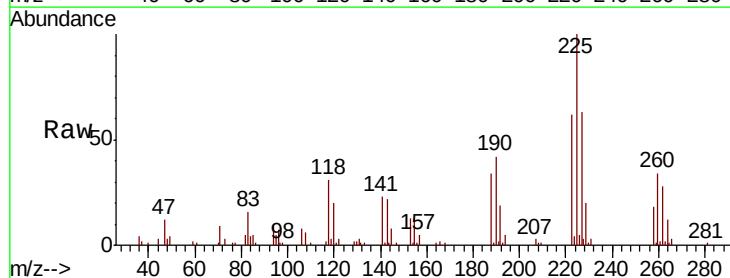
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBS01

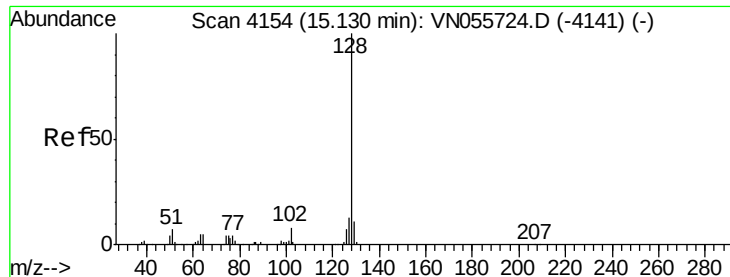
Tot Ion:180 Resp: 53928
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 145 27.1 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 19.283 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055875.D
 Acq: 29 May 2019 14:08

Tgt Ion:225 Resp: 48753
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 126.0
 227 63.0 0.0 133.0

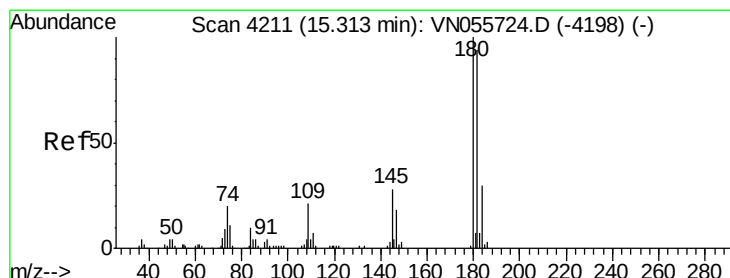
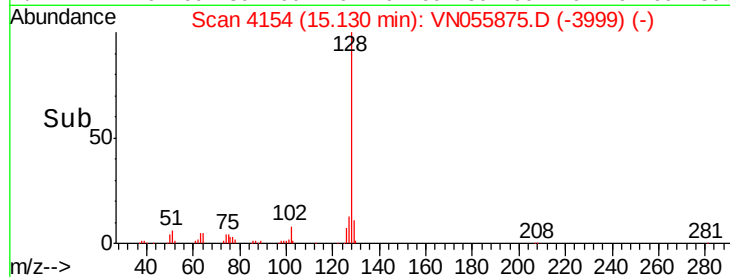
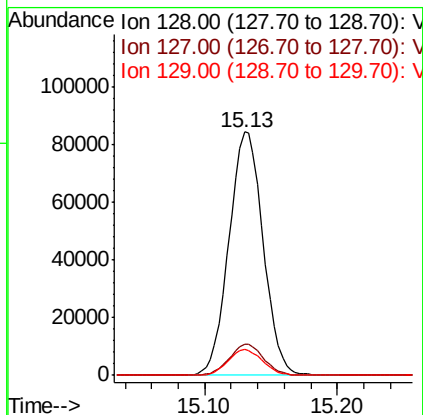
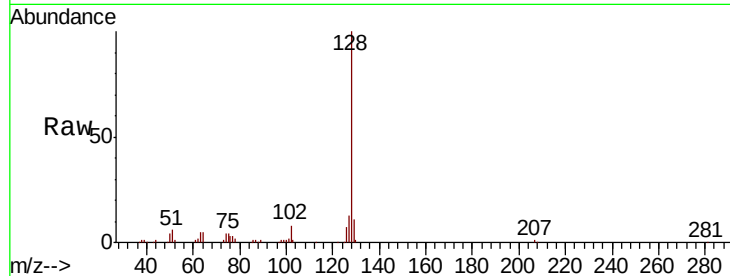




#91
Naphthalene
Concen: 16.305 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
VN0529WBS01

Tot Ion:128 Resp: 150963
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.7 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 17.533 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055875.D
Acq: 29 May 2019 14:08

Tgt Ion:180 Resp: 62091
Ion Ratio Lower Upper
180 100
182 95.6 0.0 188.6
145 28.3 0.0 56.8

