

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056897.D
 Acq On : 24 Jul 2019 00:42
 Operator : JC/SP
 Sample : VN0724WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Quant Time: Jul 24 03:50:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	57093	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303235	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	259232	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	110995	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	115840	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	377048	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66239	19.405 ug/l	95
3) Chloromethane	2.06	50	84250	20.226 ug/l	99
4) Vinyl Chloride	2.19	62	79561	19.811 ug/l	100
5) Bromomethane	2.56	94	49565	20.101 ug/l	96
6) Chloroethane	2.71	64	44475	19.965 ug/l	98
7) Trichlorofluoromethane	3.02	101	98057	20.050 ug/l	99
8) Diethyl Ether	3.41	74	35679	19.579 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58718	19.118 ug/l	98
10) 1,1-Dichloroethene	3.73	96	61186	20.074 ug/l	96
11) Methyl Iodide	3.95	142	81305	18.031 ug/l	100
12) Methyl Acetate	4.33	43	66855	17.923 ug/l	# 90
13) Acrolein	3.60	56	39093	92.601 ug/l	97
14) Acrylonitrile	4.99	53	137568	95.627 ug/l	98
15) Acetone	3.82	58	35711	96.017 ug/l	93
16) Carbon Disulfide	4.05	76	155790	18.955 ug/l	98
17) Allyl chloride	4.32	41	94832	18.593 ug/l	98
18) Methylene Chloride	4.55	84	70905	19.987 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	62897	19.498 ug/l	95
20) Diisopropyl ether	5.96	45	208300	20.114 ug/l	97
21) 1,1-Dichloroethane	5.85	63	120247	19.980 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	72011	19.262 ug/l	99
23) tert-Butyl Alcohol	4.81	59	47567	99.081 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	177107	19.219 ug/l	99
25) Chloroform	7.37	83	116485	19.841 ug/l	98
26) Cyclohexane	7.65	56	107617	19.466 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	86512	20.104 ug/l	98
30) 2-Butanone	6.84	43	165783	95.892 ug/l	99
31) 2,2-Dichloropropane	6.82	77	69182	17.324 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	95149	20.124 ug/l	100
33) Carbon Tetrachloride	7.77	117	82059	19.884 ug/l	99
34) Benzene	8.04	78	274638	20.255 ug/l	99
35) Methacrylonitrile	7.18	41	35695	20.674 ug/l	97
36) 1,2-Dichloroethane	8.13	62	86655	20.558 ug/l	99
37) Trichloroethene	8.83	130	72349	19.903 ug/l	93
38) Methylcyclohexane	9.08	83	103968	18.993 ug/l	99
39) 1,2-Dichloropropane	9.12	63	74549	20.598 ug/l	99
40) Dibromomethane	9.21	93	44649	20.110 ug/l	100

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 ALS Vial : 35 Sample Multiplier: 1

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83814	19.645	ug/l	99
42) Vinyl Acetate	5.90	43	748923	97.273	ug/l	100
43) Ethyl Acetate	6.93	43	68669	19.375	ug/l #	90
44) Isopropyl Acetate	8.17	43	113249	19.170	ug/l #	88
45) 1,4-Dioxane	9.20	88	22017	391.470	ug/l	95
46) Methyl methacrylate	9.20	41	56443	19.151	ug/l	96
47) n-amyl Acetate	12.07	43	85370	18.052	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	80132	18.049	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	98140	18.970	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	64779	20.321	ug/l	98
51) Ethyl methacrylate	10.43	69	89207	19.348	ug/l	97
52) 1,3-Dichloropropane	10.71	76	108347	20.139	ug/l	99
53) Dibromochloromethane	10.90	129	63258	19.091	ug/l	100
54) 1,2-Dibromoethane	11.00	107	64364	19.792	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	180145	90.213	ug/l	99
56) Bromoform	12.13	173	42644	18.601	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	349556	100.482	ug/l	99
59) 2-Hexanone	10.75	43	235748	99.450	ug/l	99
61) Tetrachloroethene	10.63	164	77274	21.269	ug/l	99
62) Toluene	10.15	91	288983	20.497	ug/l	100
64) Chlorobenzene	11.43	112	172765	20.343	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	65148	20.253	ug/l	99
66) Ethyl Benzene	11.51	91	296525	19.959	ug/l	99
67) m/p-Xylenes	11.62	106	222586	40.177	ug/l	99
68) o-Xylene	11.95	106	107411	19.719	ug/l	96
69) Styrene	11.96	104	175461	19.878	ug/l	100
70) Isopropylbenzene	12.25	105	294999	20.568	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	83078	20.681	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	94277	26.674	ug/l	66
73) Bromobenzene	12.53	156	73368	19.824	ug/l	98
74) n-propylbenzene	12.59	91	310317	19.788	ug/l	100
75) 2-Chlorotoluene	12.67	91	194520	20.459	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	246331	20.402	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17416	15.694	ug/l	99
78) 4-Chlorotoluene	12.77	91	179532	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	209783	20.134	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	239203	20.322	ug/l	99
81) sec-Butylbenzene	13.17	105	268350	19.728	ug/l	99
82) p-Isopropyltoluene	13.29	119	240093	19.653	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	111255	19.093	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	102564	18.616	ug/l	99
85) n-Butylbenzene	13.61	91	175471	18.292	ug/l	99
86) Hexachloroethane	13.87	117	39408	19.275	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	117217	20.252	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12063	19.411	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43476	18.923	ug/l	100
90) Hexachlorobutadiene	15.01	225	41651	19.578	ug/l	98
91) Naphthalene	15.13	128	109343	18.364	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	51040	16.681	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 03:39:51 2019
Response via : Initial Calibration

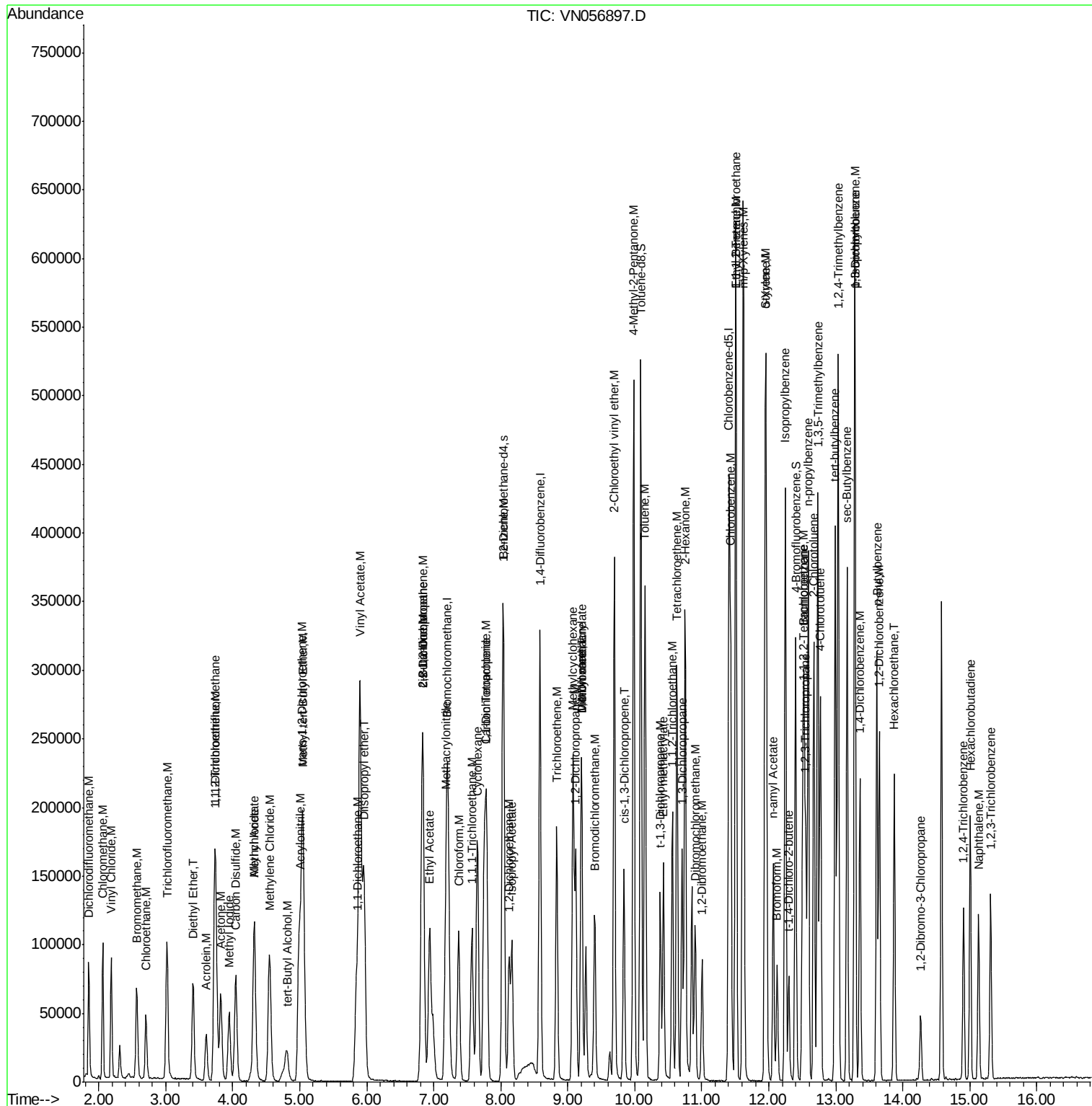
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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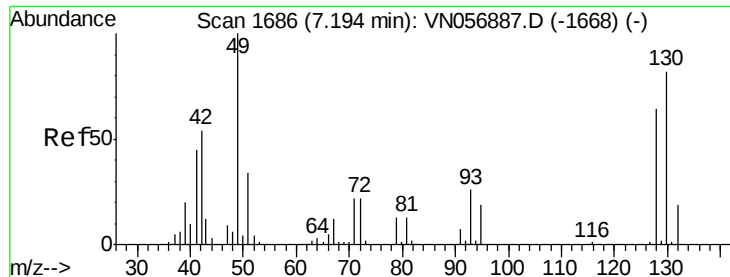
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056897.D
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 Operator : JC/SP
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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Quant Time: Jul 24 03:50:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 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: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

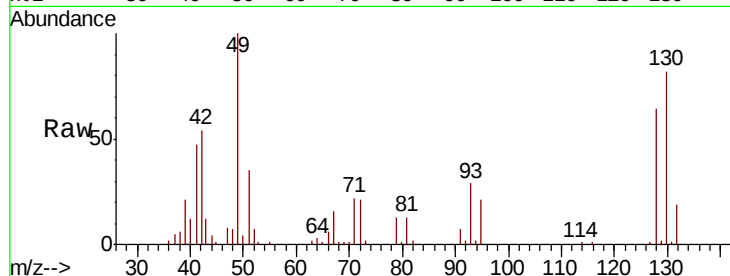
Tot Ion:128 Resp: 57093

Ion Ratio Lower Upper

128 100

49 155.4 0.0 385.8

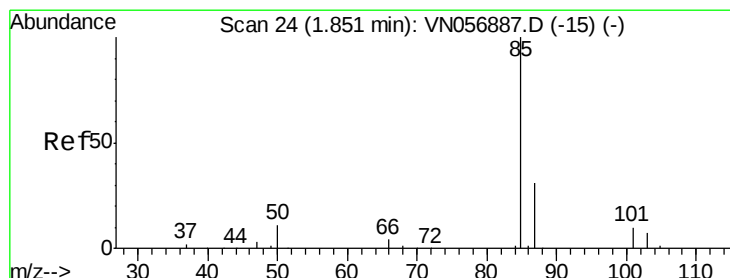
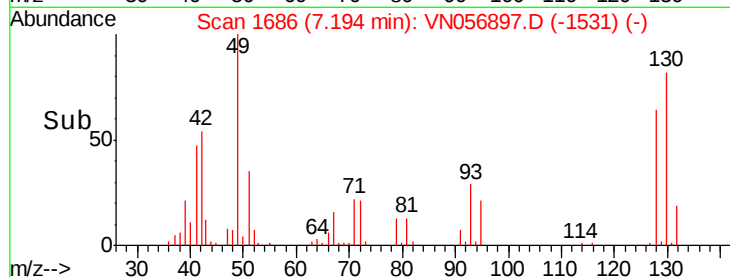
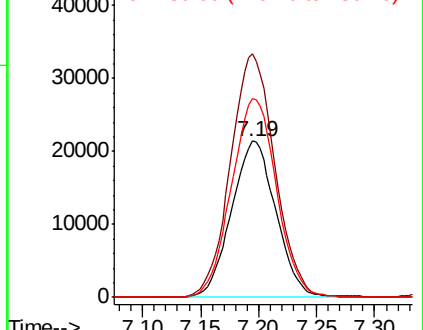
130 129.2 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.405 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN056897.D

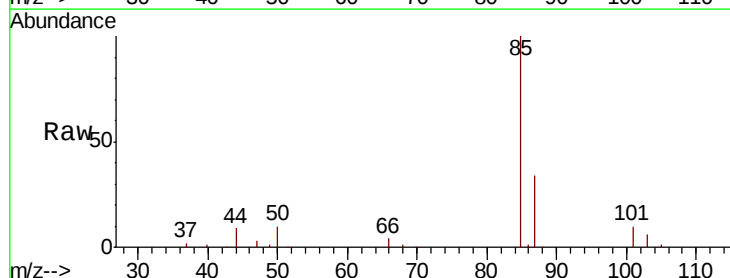
Acq: 24 Jul 2019 00:42

Tgt Ion: 85 Resp: 66239

Ion Ratio Lower Upper

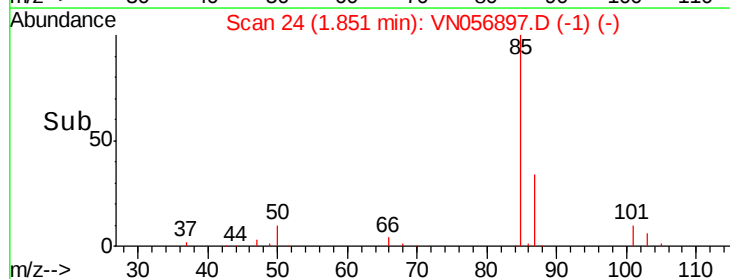
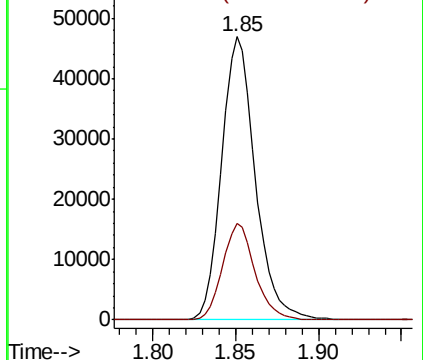
85 100

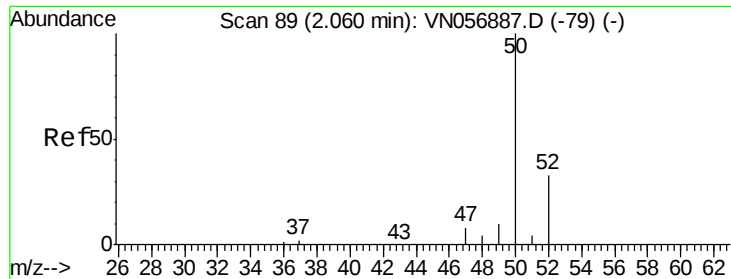
87 34.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

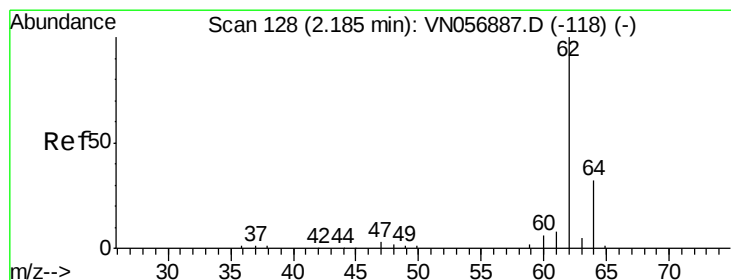
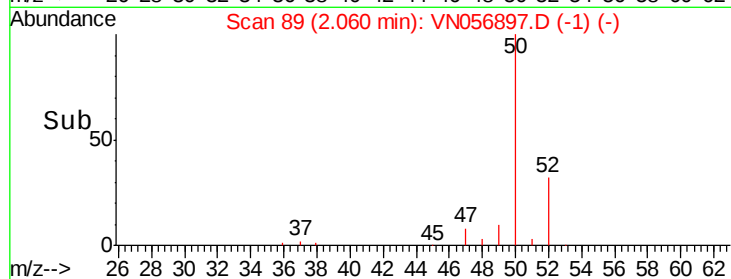
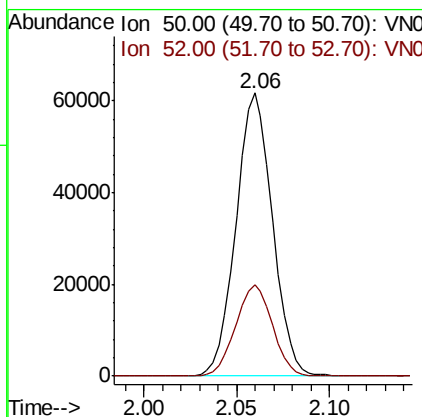
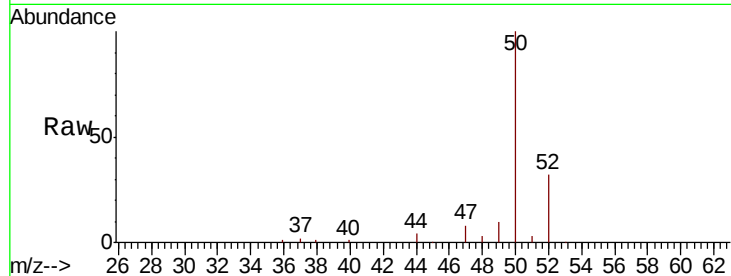




#3
Chloromethane
Concen: 20.226 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

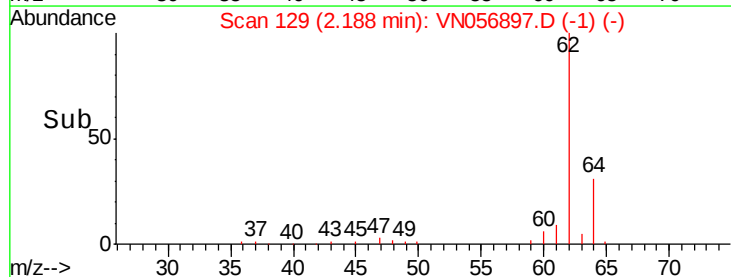
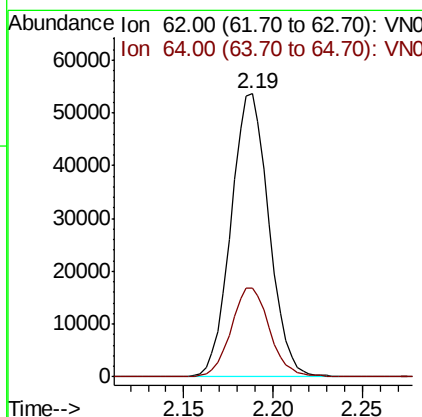
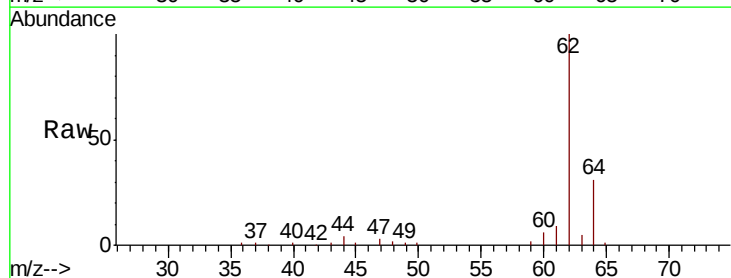
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

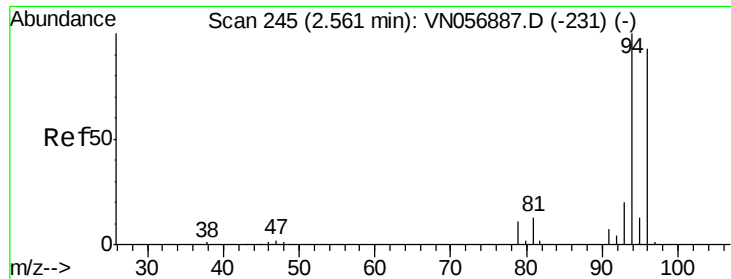
Tot Ion: 50 Resp: 84250
Ion Ratio Lower Upper
50 100
52 32.1 26.2 39.2



#4
Vinyl Chloride
Concen: 19.811 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 62 Resp: 79561
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0

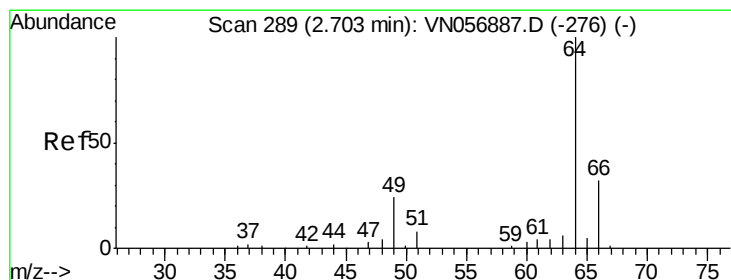
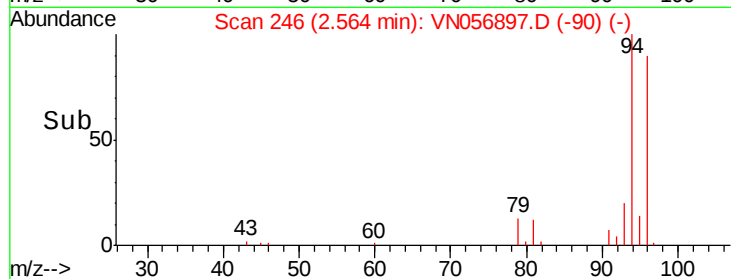
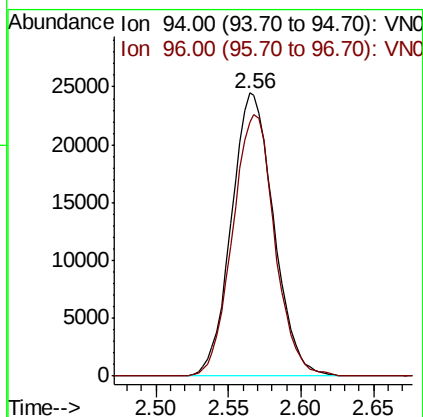
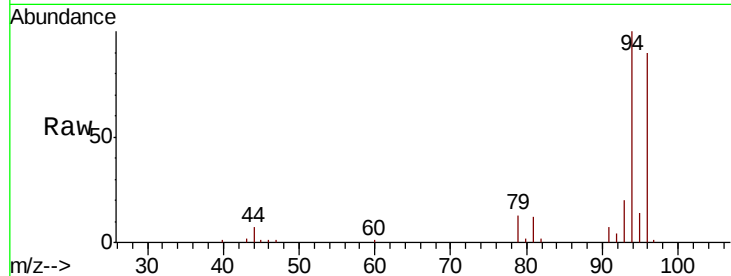




#5
Bromomethane
Concen: 20.101 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

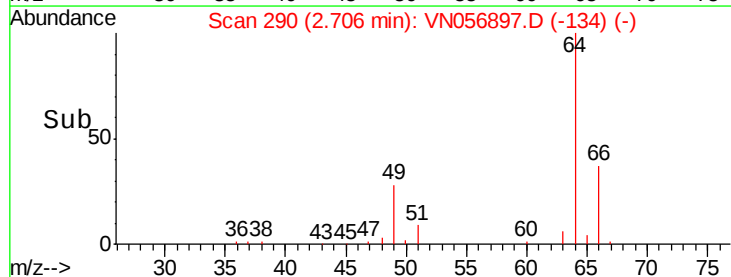
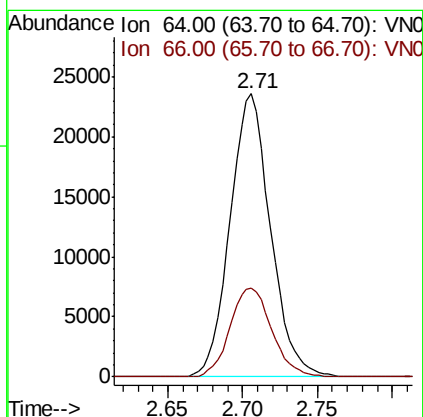
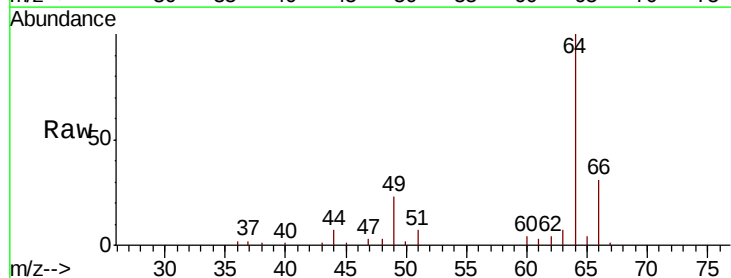
Instrument :
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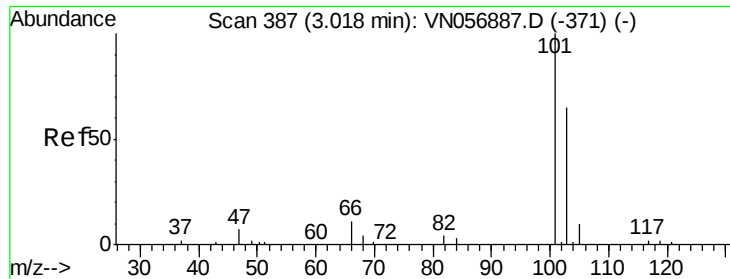
Tot Ion: 94 Resp: 49565
Ion Ratio Lower Upper
94 100
96 89.8 74.7 112.1



#6
Chloroethane
Concen: 19.965 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 64 Resp: 44475
Ion Ratio Lower Upper
64 100
66 31.2 25.8 38.8



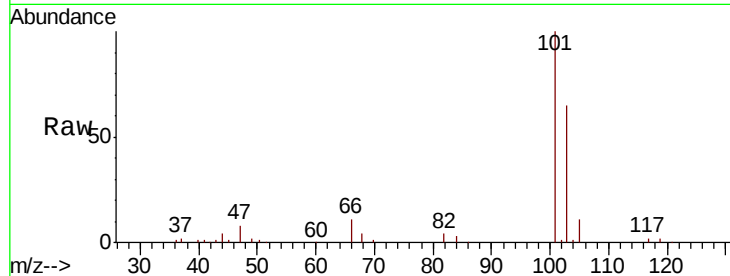


#7

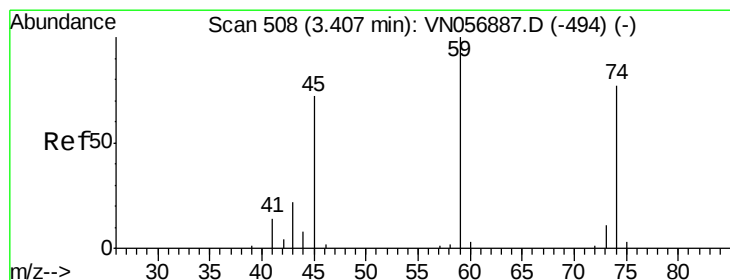
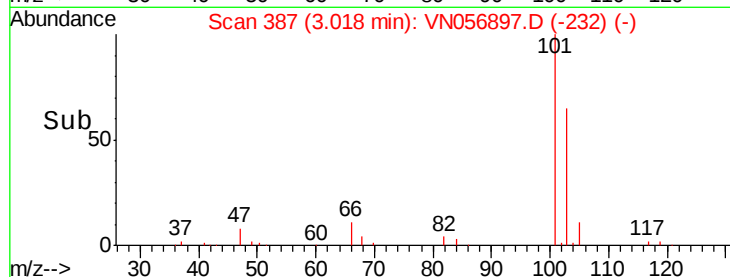
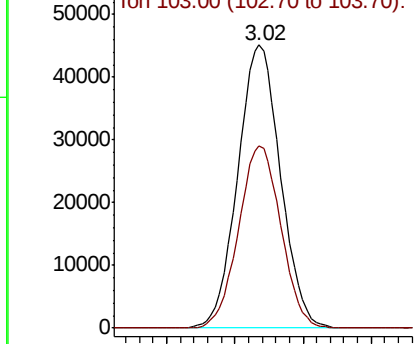
Trichlorofluoromethane
 Concen: 20.050 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion:101 Resp: 98057
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4



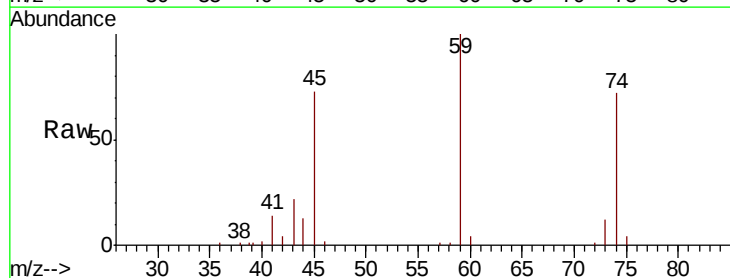
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



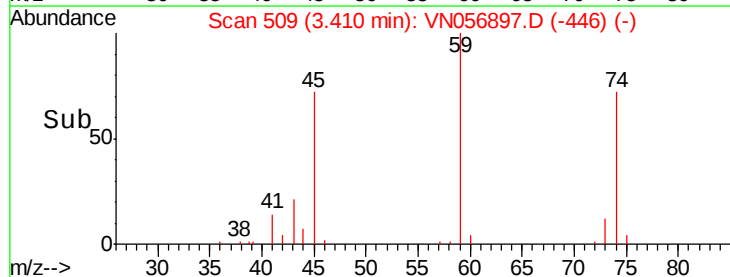
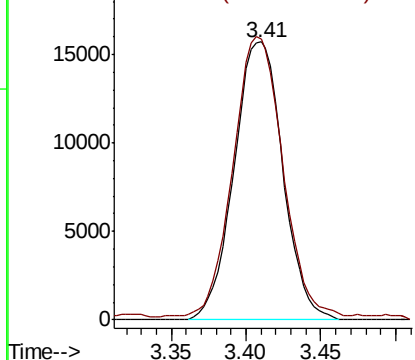
#8

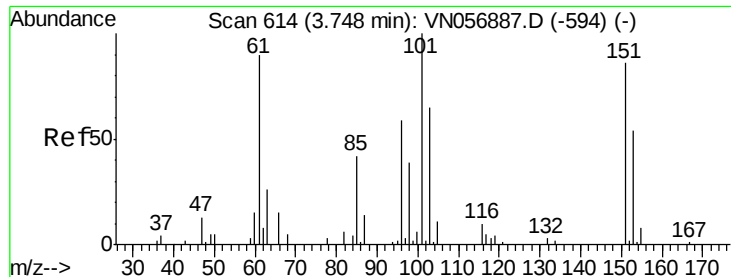
Diethyl Ether
 Concen: 19.579 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 74 Resp: 35679
 Ion Ratio Lower Upper
 74 100
 45 103.0 19.5 175.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.118 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampled :

VN0724WBS01

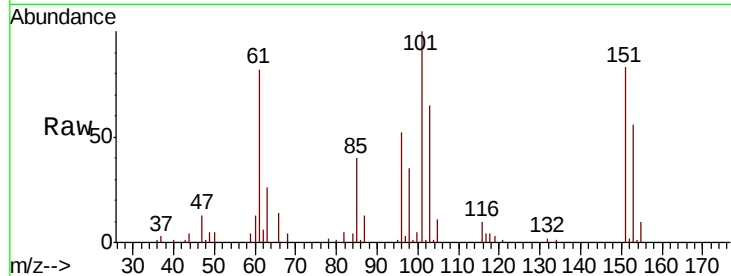
Tot Ion:101 Resp: 58718

Ion Ratio Lower Upper

101 100

85 42.2 0.0 85.0

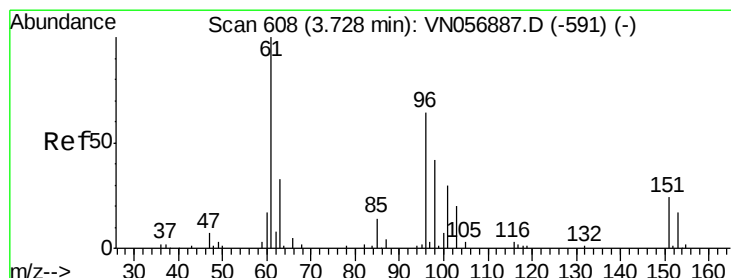
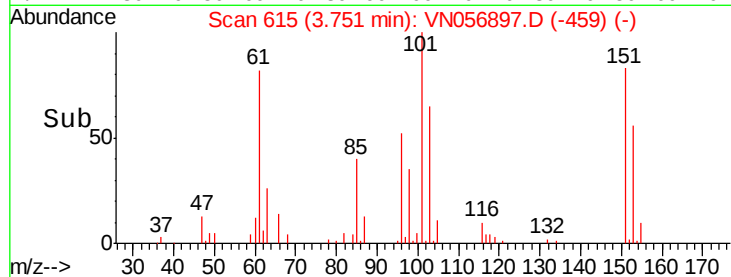
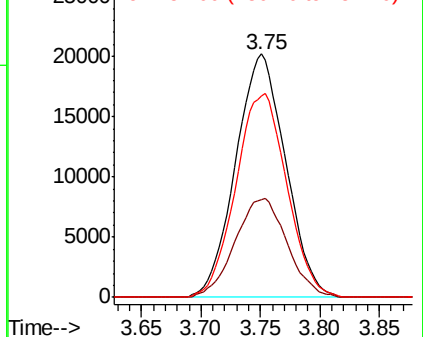
151 85.5 0.0 167.2



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: 20.074 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

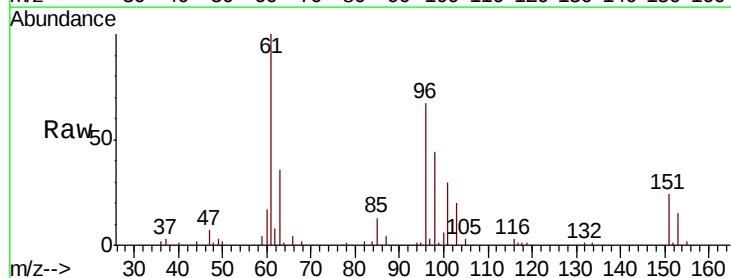
Tgt Ion: 96 Resp: 61186

Ion Ratio Lower Upper

96 100

61 149.6 125.8 188.8

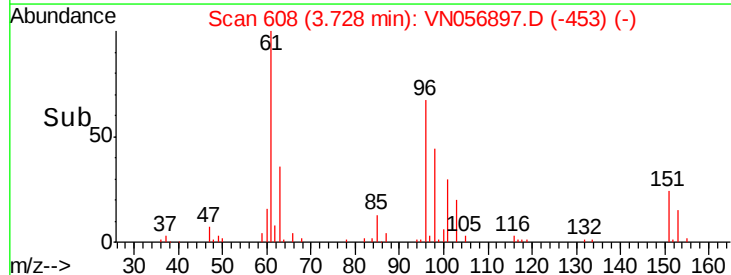
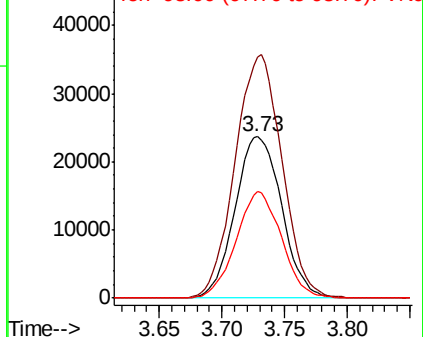
98 65.9 52.7 79.1

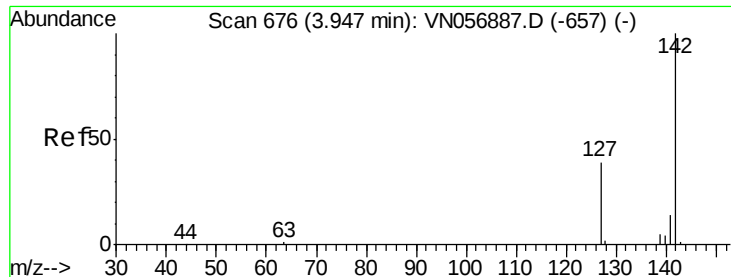


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

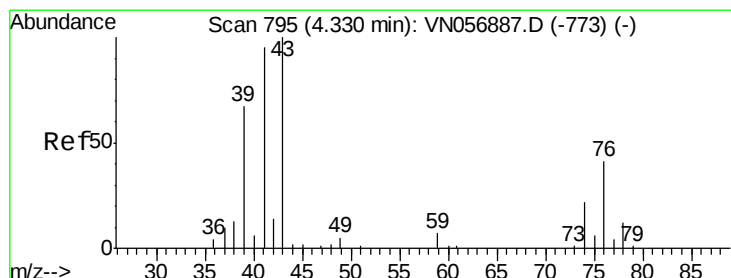
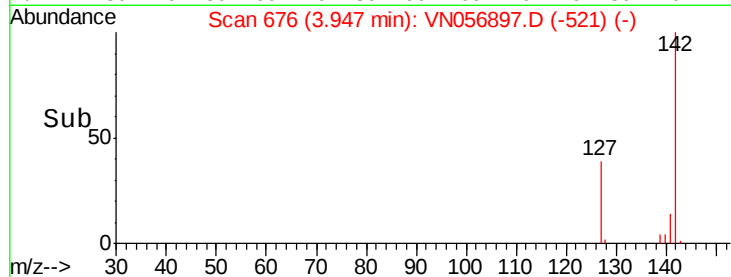
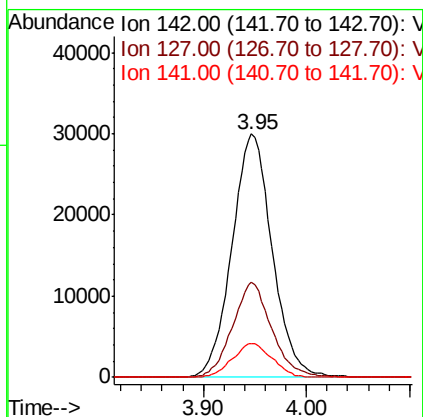
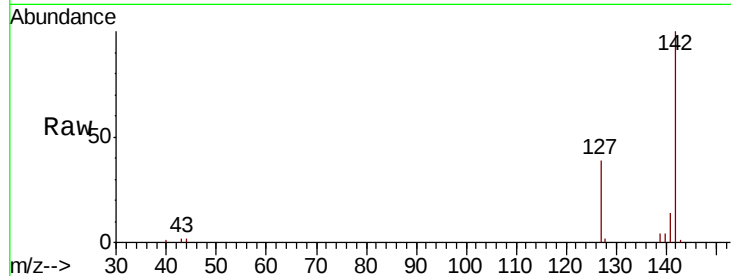




#11
Methvl Iodide
Concen: 18.031 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

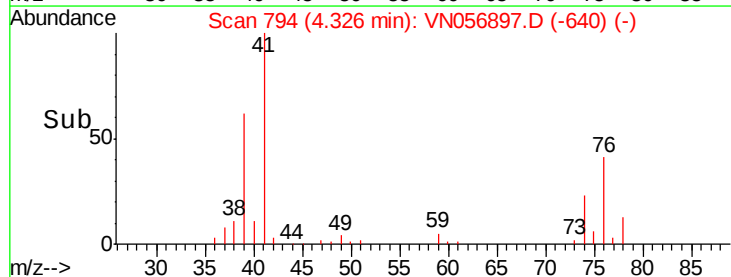
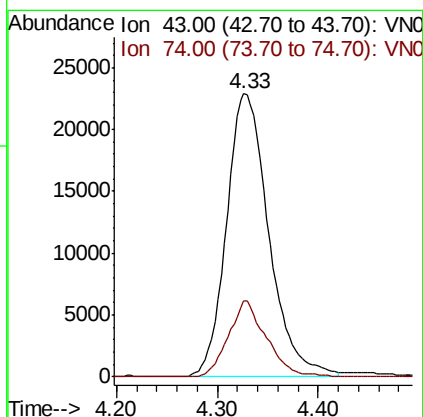
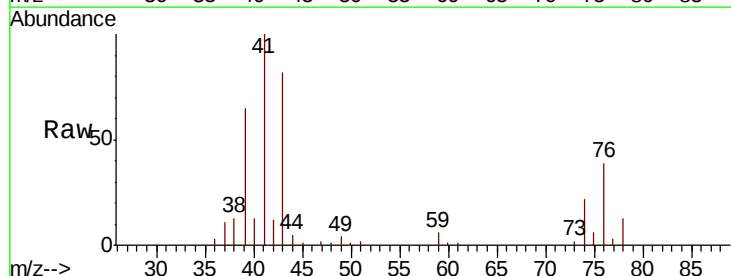
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

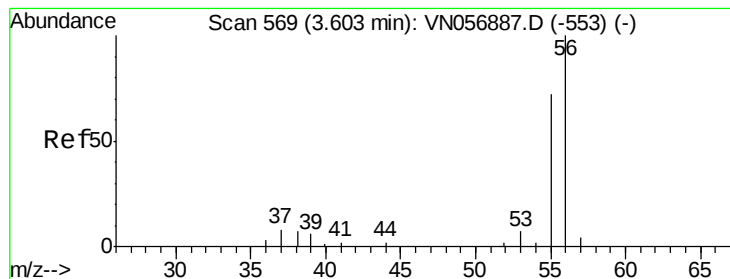
Tot Ion:142 Resp: 81305
Ion Ratio Lower Upper
142 100
127 39.3 19.6 58.8
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 17.923 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 43 Resp: 66855
Ion Ratio Lower Upper
43 100
74 27.2 18.1 27.1#





#13

Acrolein

Concen: 92.601 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

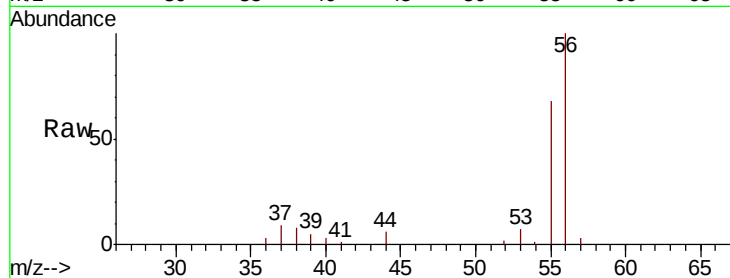
VN0724WBS01

Tot Ion: 56 Resp: 39093

Ion Ratio Lower Upper

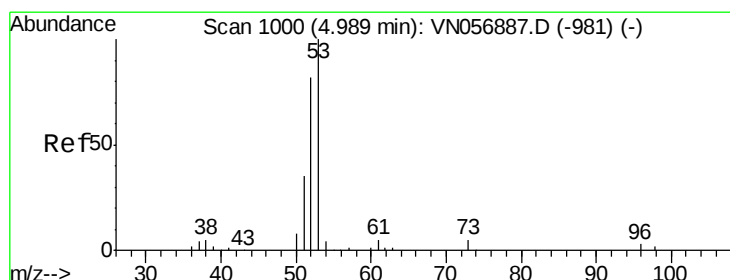
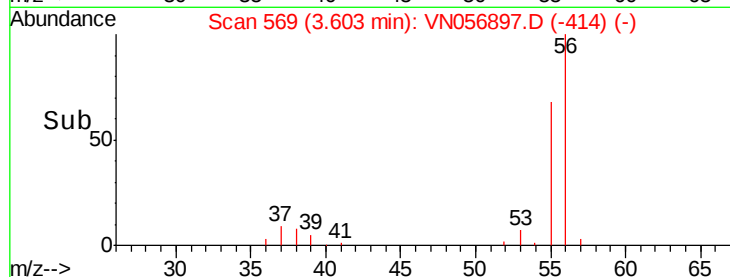
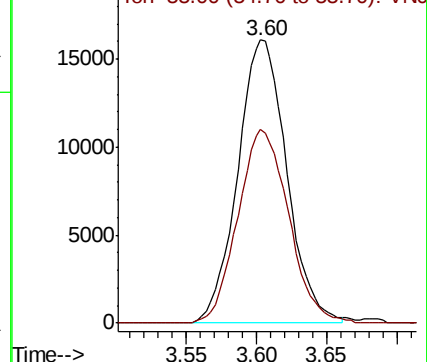
56 100

55 70.7 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.627 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

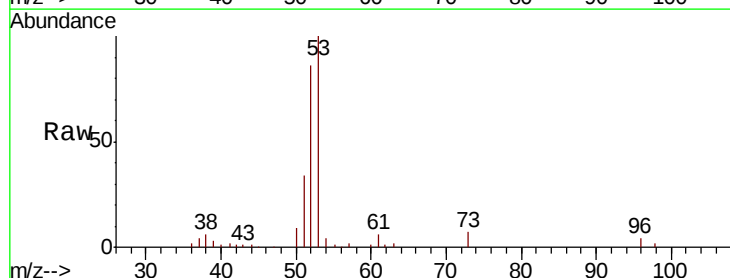
Tgt Ion: 53 Resp: 137568

Ion Ratio Lower Upper

53 100

52 84.0 40.8 122.5

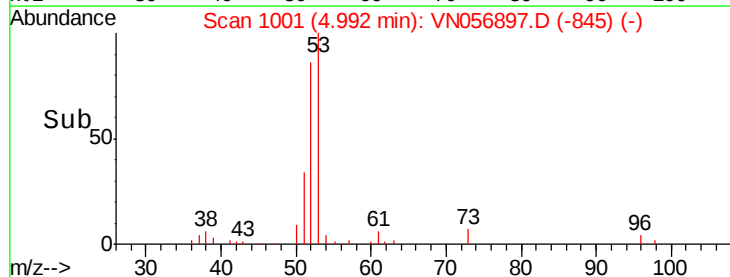
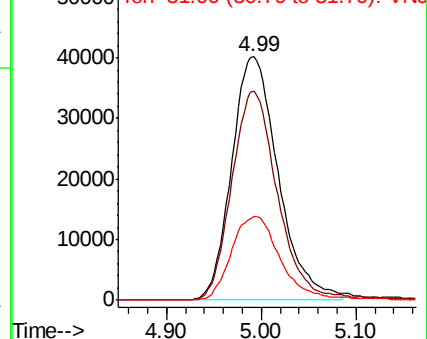
51 35.8 17.4 52.2

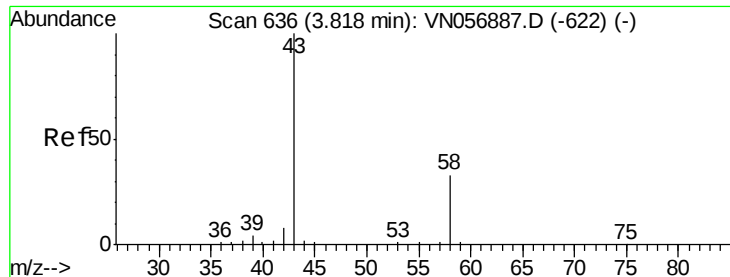


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.017 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

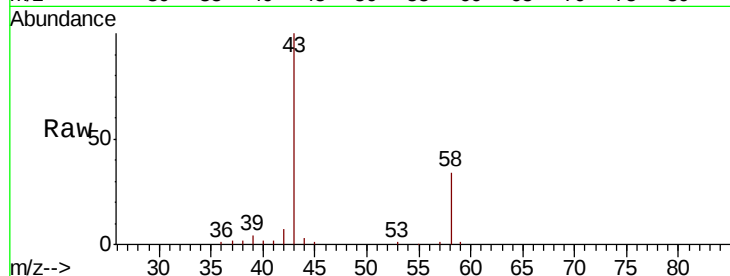
VN0724WBS01

Tot Ion: 58 Resp: 35711

Ion Ratio Lower Upper

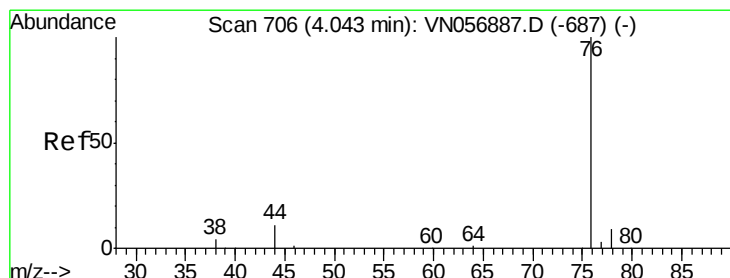
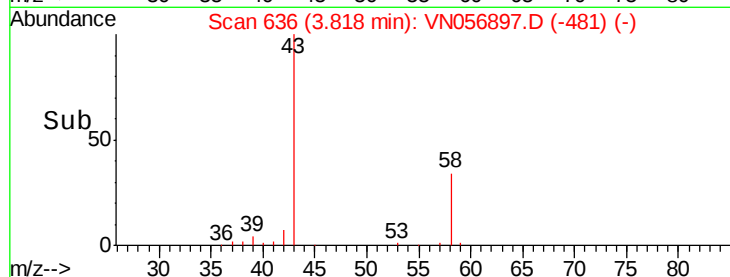
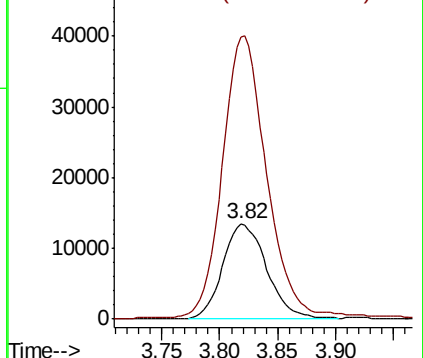
58 100

43 288.6 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.955 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056897.D

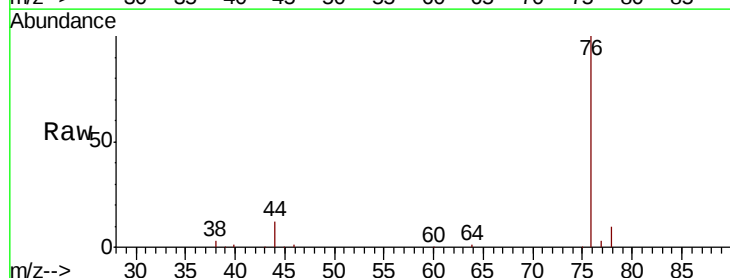
Acq: 24 Jul 2019 00:42

Tgt Ion: 76 Resp: 155790

Ion Ratio Lower Upper

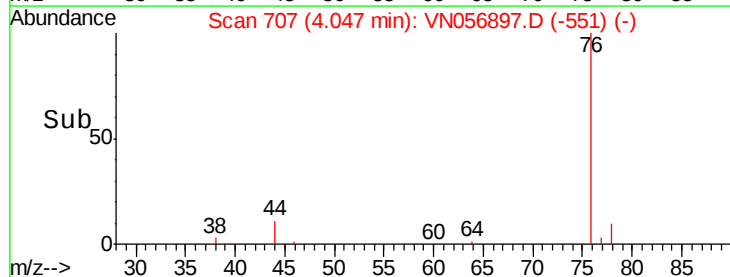
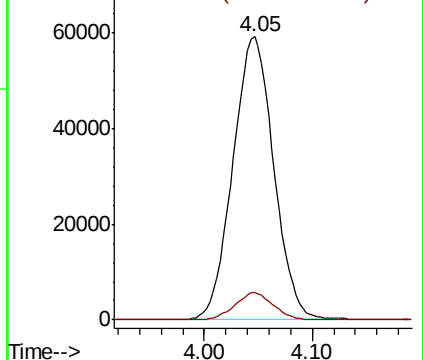
76 100

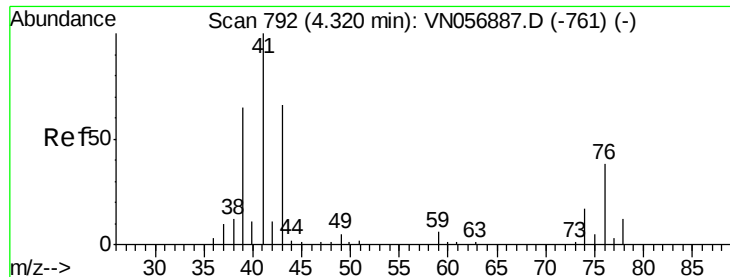
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

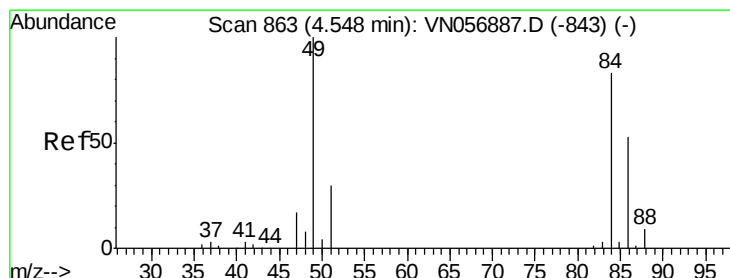
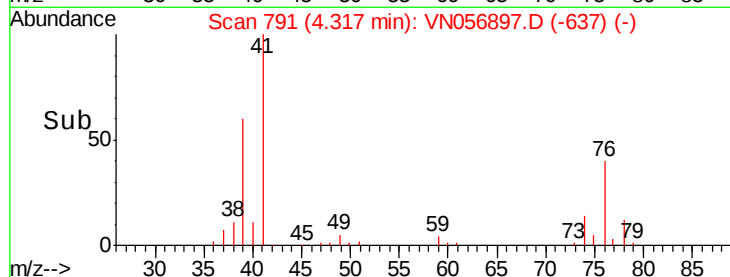
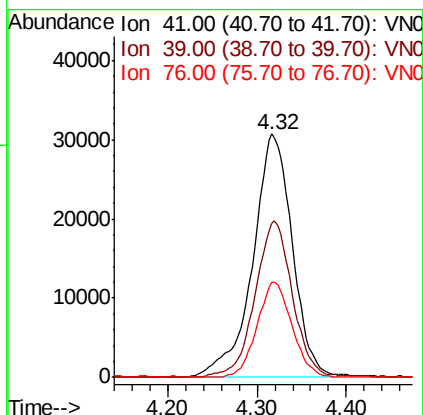
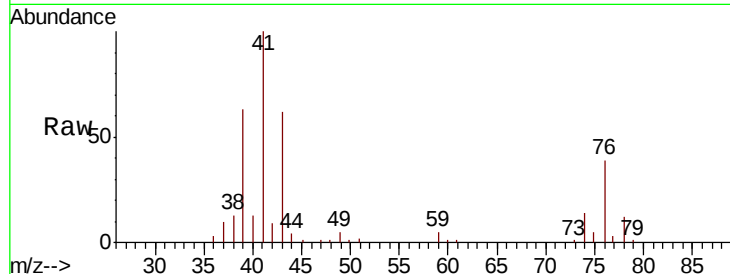




#17
Allvl chloride
Concen: 18.593 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

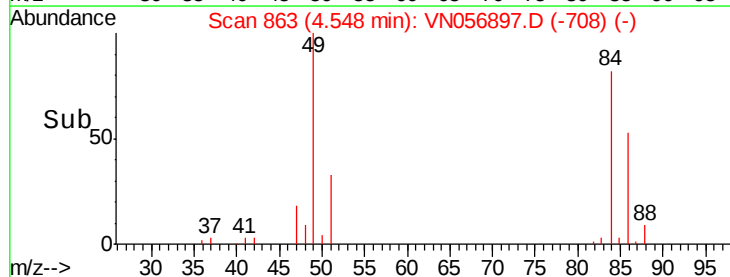
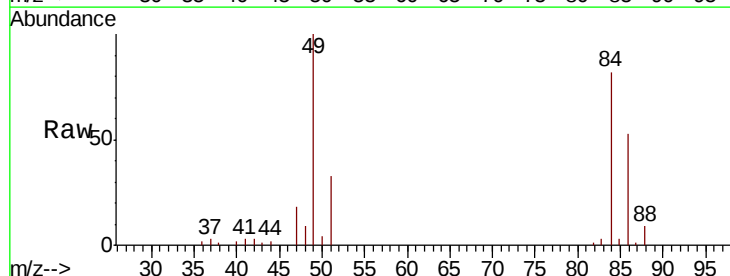
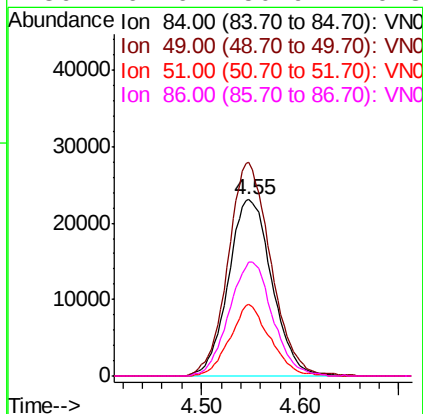
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

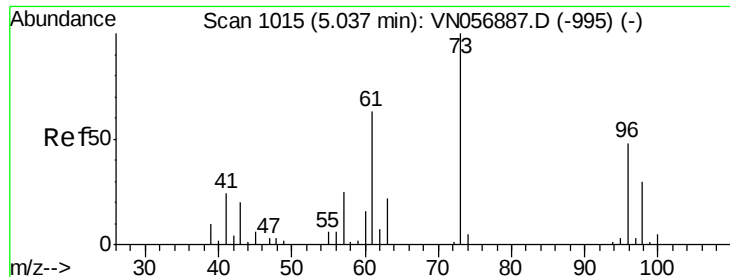
Tot Ion: 41 Resp: 94832
Ion Ratio Lower Upper
41 100
39 63.2 32.4 97.0
76 39.0 19.0 57.0



#18
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 84 Resp: 70905
Ion Ratio Lower Upper
84 100
49 120.5 96.3 144.5
51 40.4 28.8 43.2
86 64.6 50.9 76.3

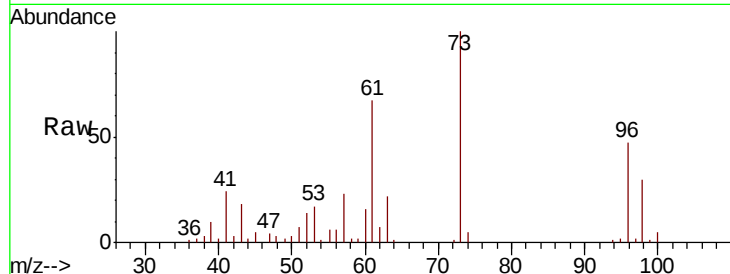




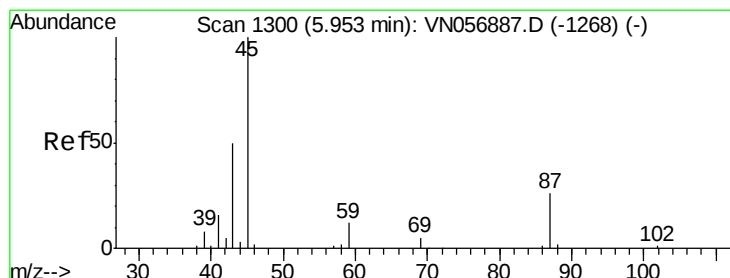
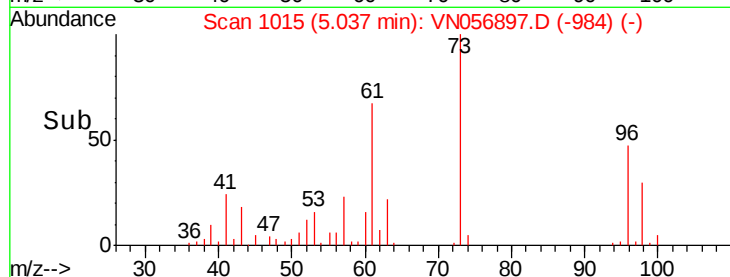
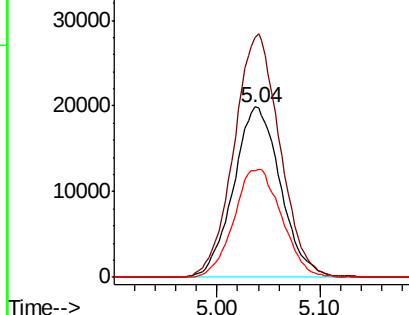
#19
trans-1,2-Dichloroethene
Concen: 19.498 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 96 Resp: 62897
Ion Ratio Lower Upper
96 100
61 139.9 105.4 158.0
98 62.6 50.8 76.2

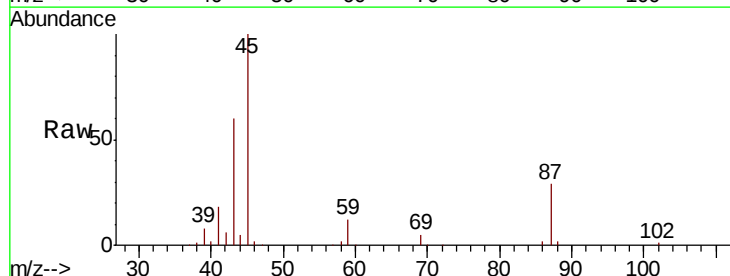


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

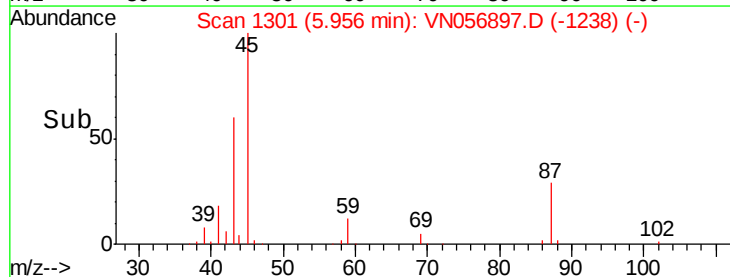
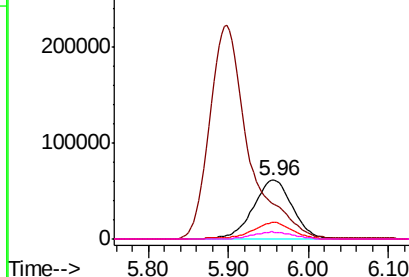


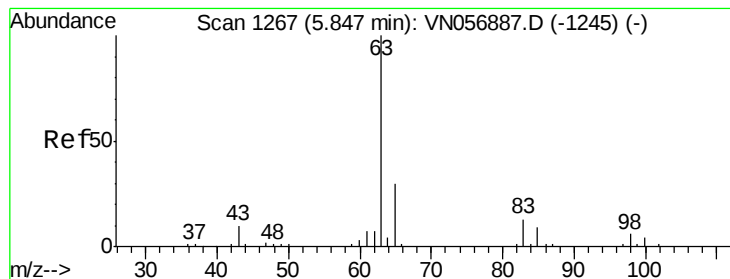
#20
Diisopropyl ether
Concen: 20.114 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 45 Resp: 208300
Ion Ratio Lower Upper
45 100
43 57.5 47.4 71.0
87 29.2 21.7 32.5
59 11.4 9.3 13.9



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: 19.980 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

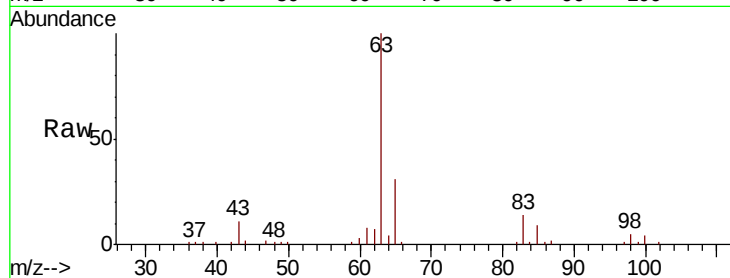
Tot Ion: 63 Resp: 120247

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.3

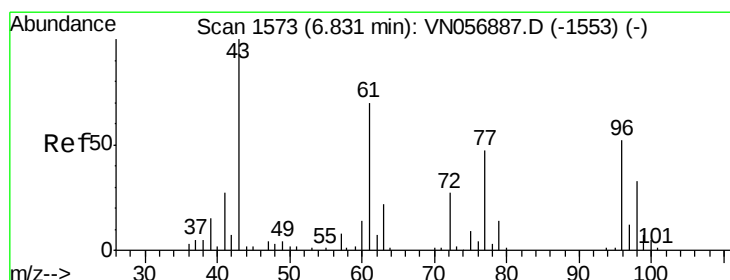
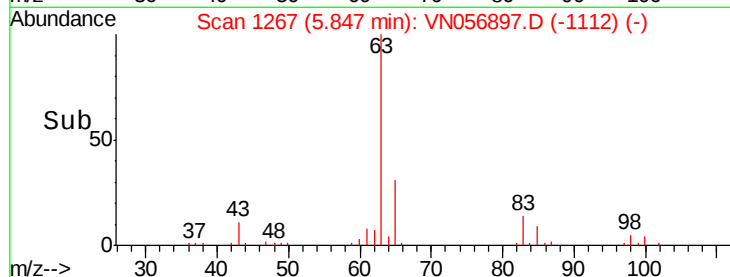
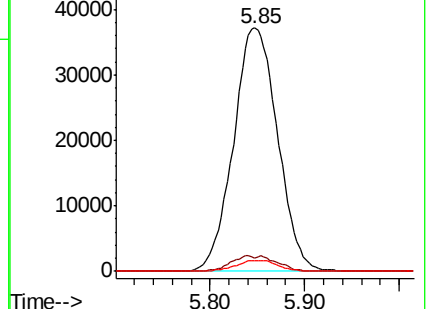
100 4.4 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.262 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

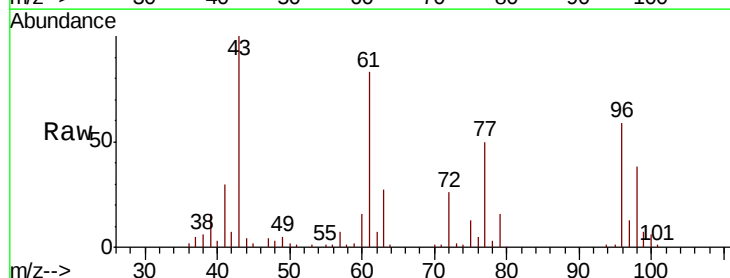
Tgt Ion: 96 Resp: 72011

Ion Ratio Lower Upper

96 100

61 140.3 111.6 167.4

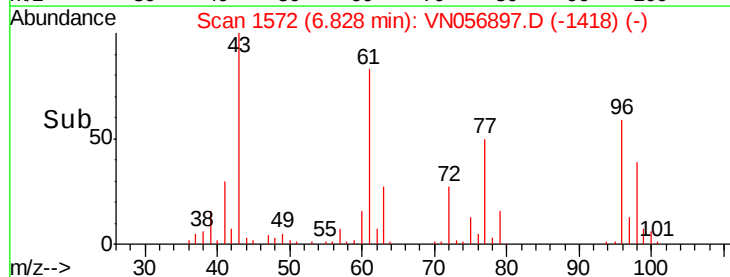
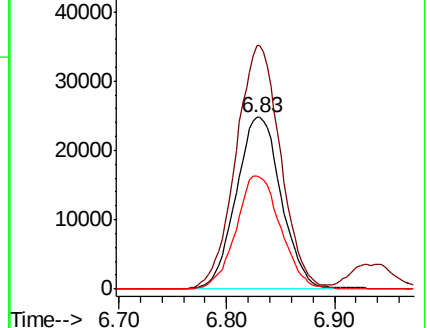
98 65.2 51.0 76.4

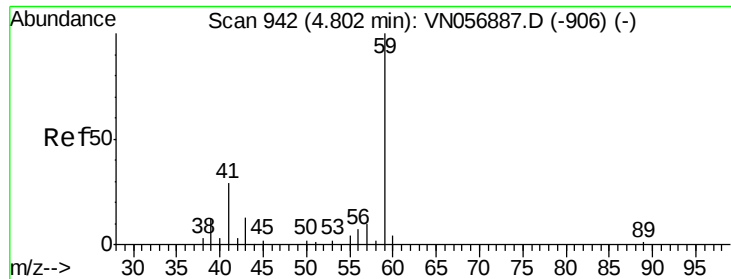


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 99.081 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.01 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampled :

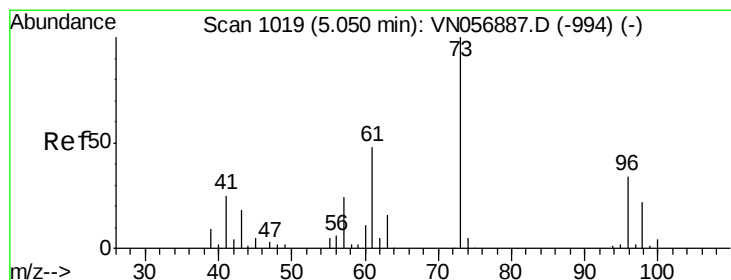
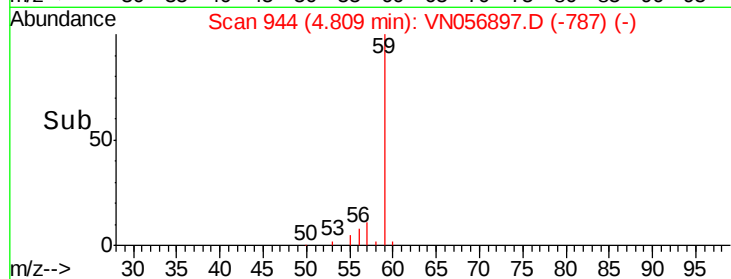
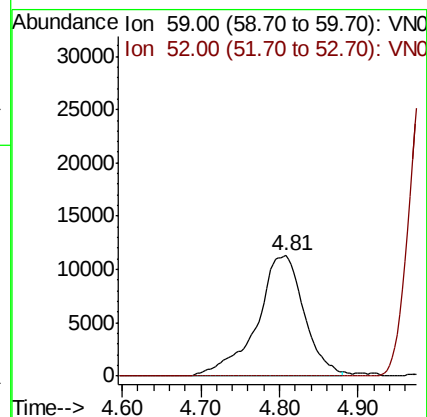
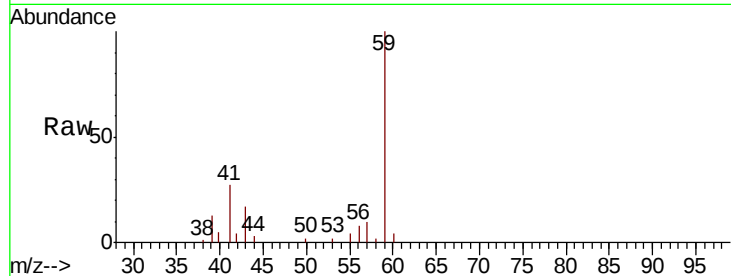
VN0724WBS01

Tot Ion: 59 Resp: 47567

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.219 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN056897.D

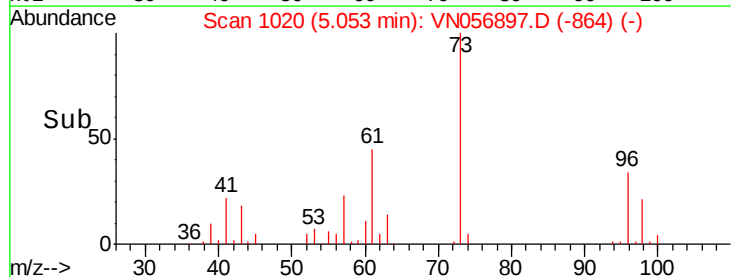
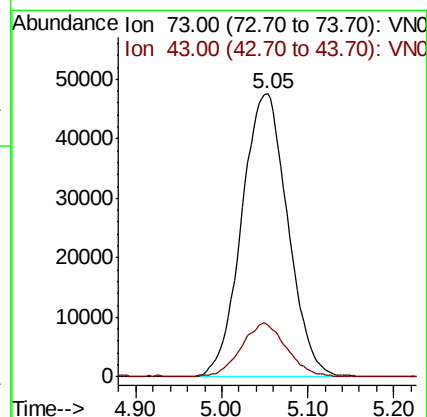
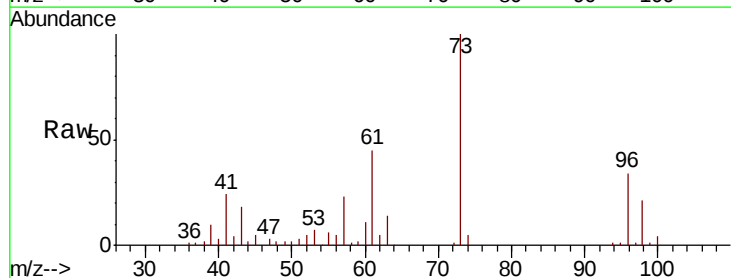
Acq: 24 Jul 2019 00:42

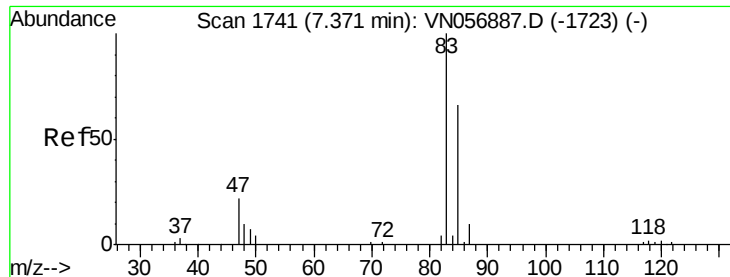
Tgt Ion: 73 Resp: 177107

Ion Ratio Lower Upper

73 100

43 18.7 15.4 23.0

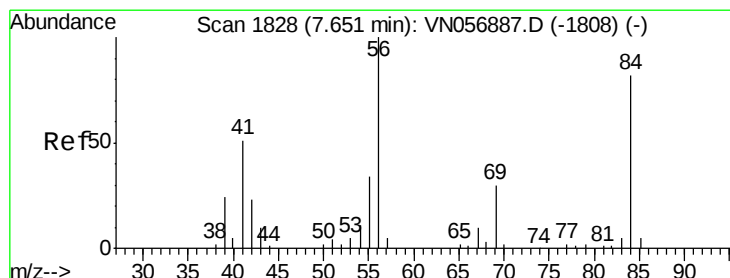
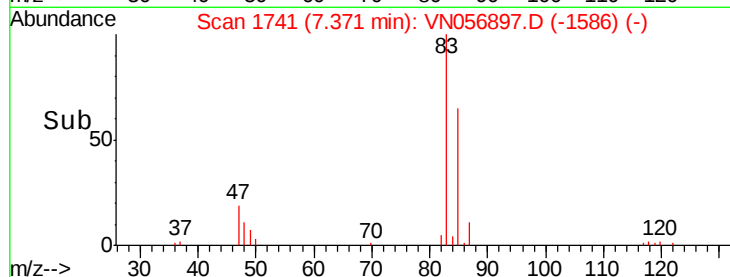
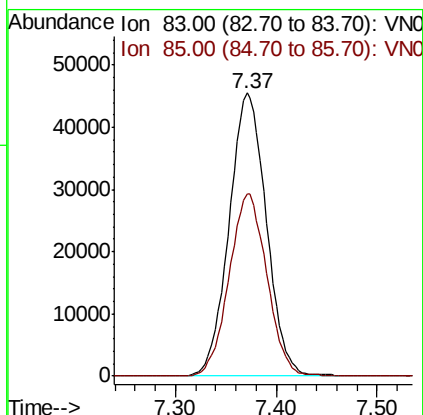
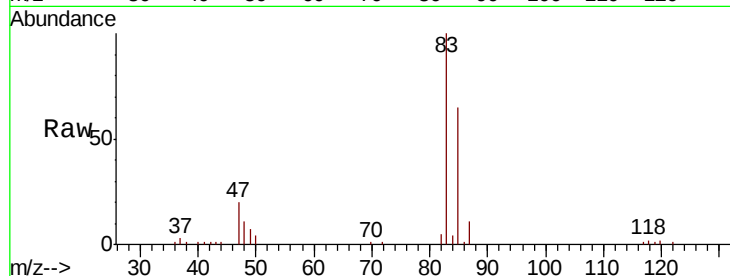




#25
Chloroform
Concen: 19.841 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

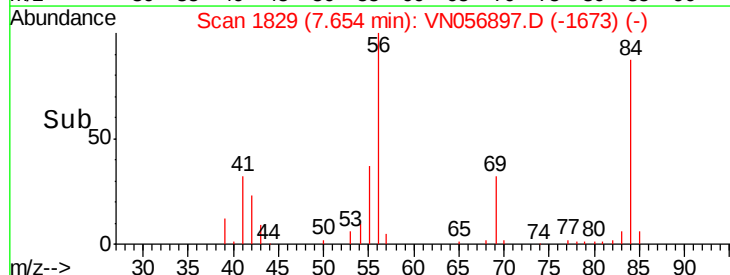
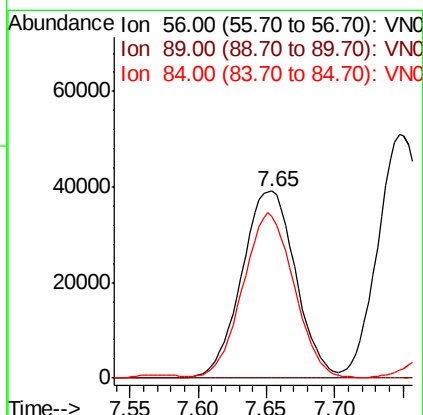
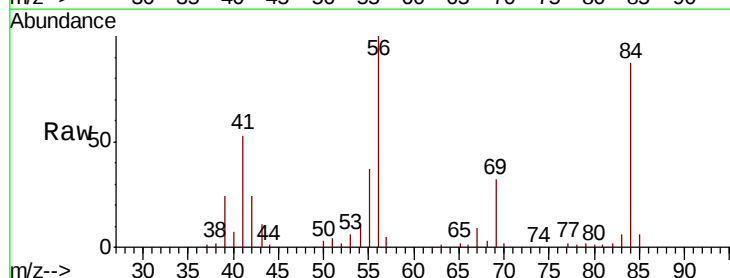
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

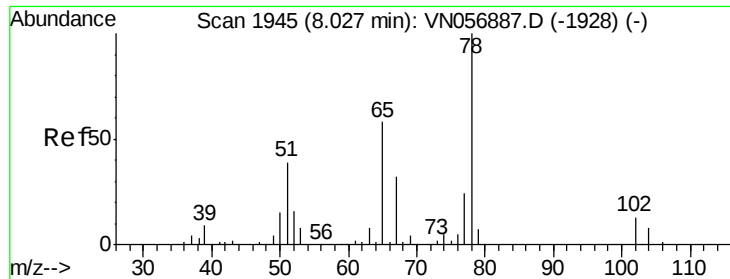
Tot Ion: 83 Resp: 116485
Ion Ratio Lower Upper
83 100
85 64.6 53.1 79.7



#26
Cyclohexane
Concen: 19.466 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 56 Resp: 107617
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.0 67.8 101.6

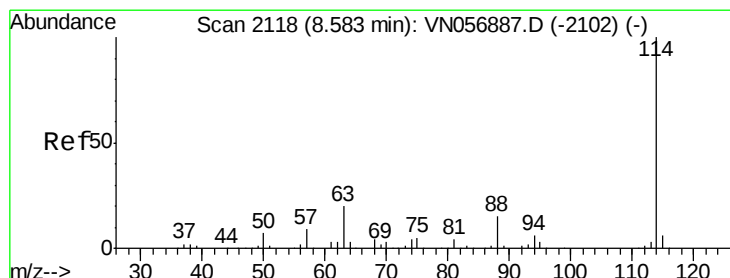
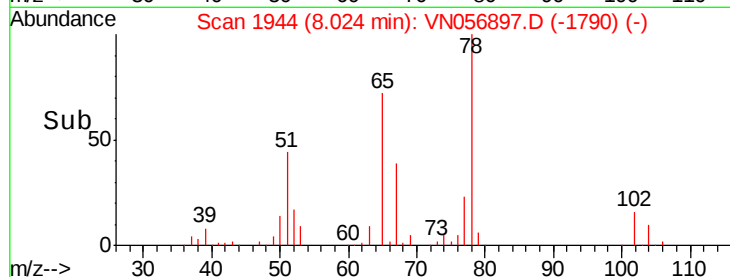
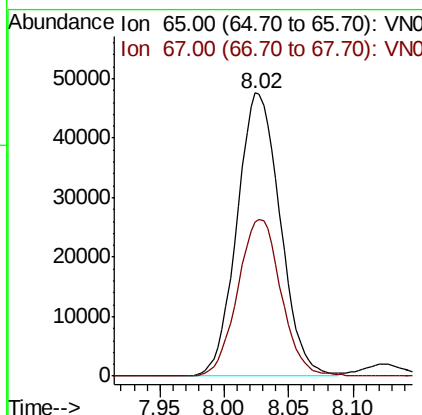
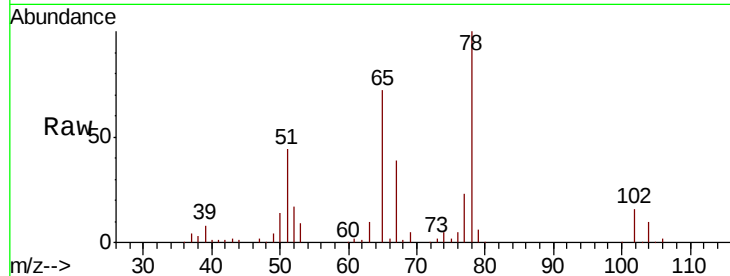




#27
 1,2-Dichloroethane-d4
 Concen: 29.707 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

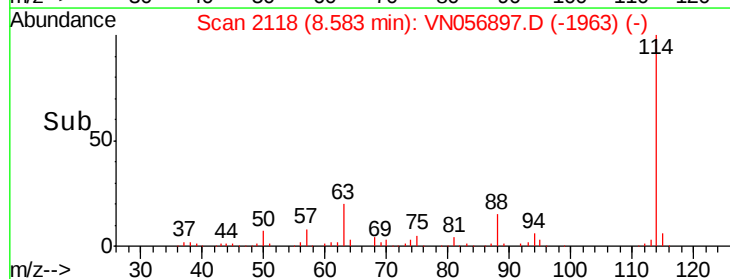
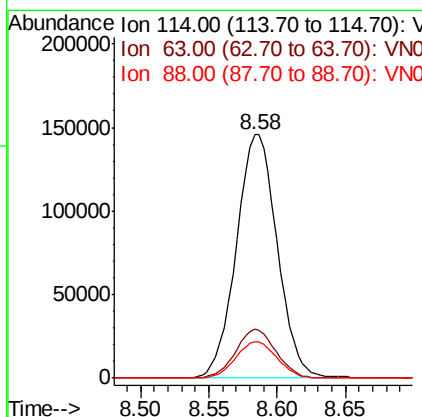
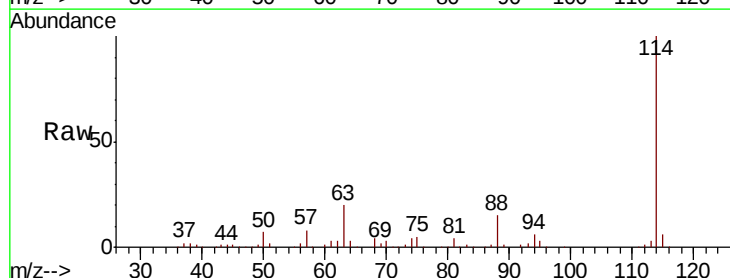
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

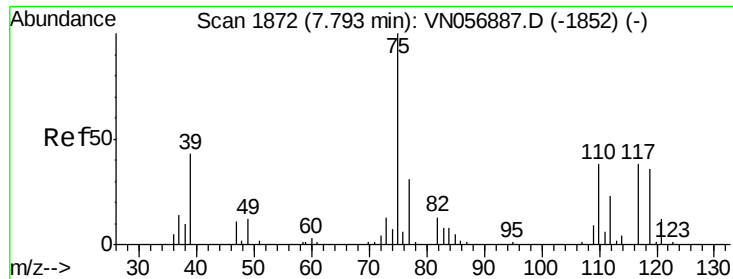
Tot Ion: 65 Resp: 110995
 Ion Ratio Lower Upper
 65 100
 67 55.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 114 Resp: 303235
 Ion Ratio Lower Upper
 114 100
 63 19.8 15.8 23.6
 88 15.0 12.5 18.7

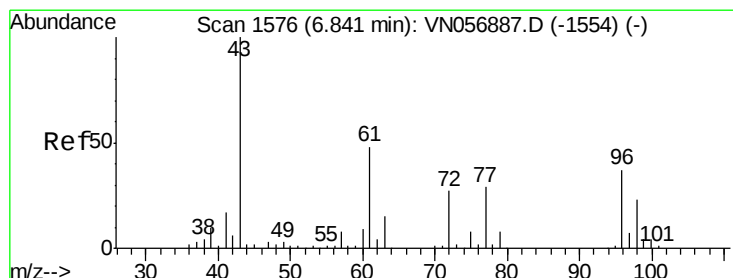
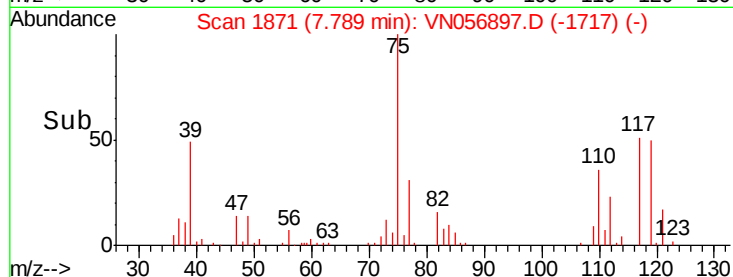
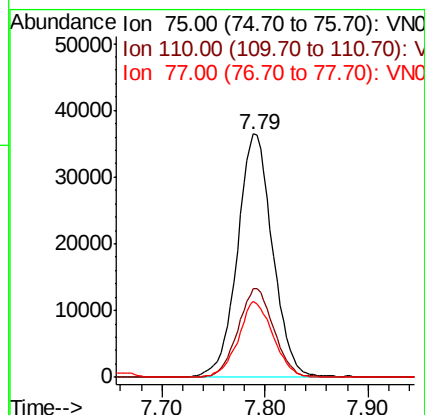
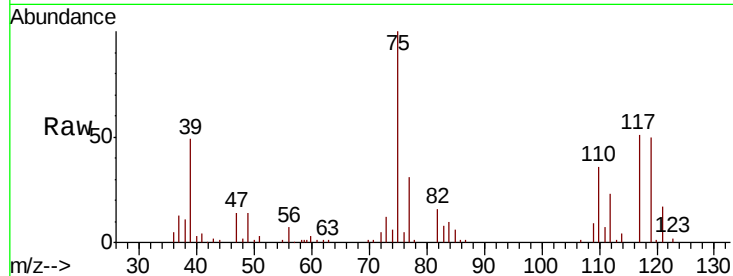




#29
 1,1-Dichloropropene
 Concen: 20.104 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

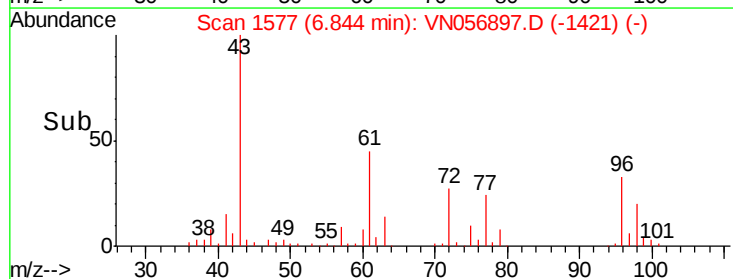
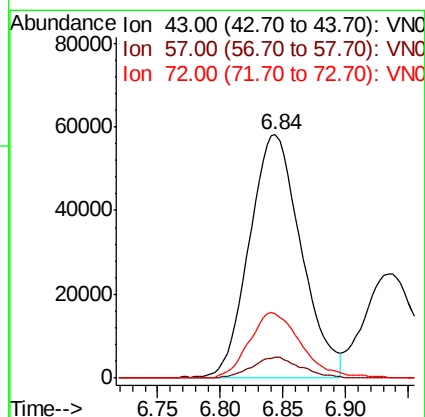
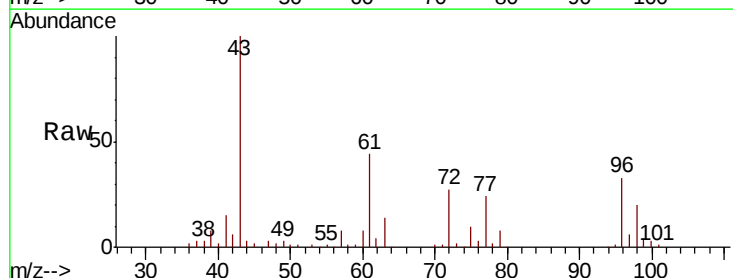
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

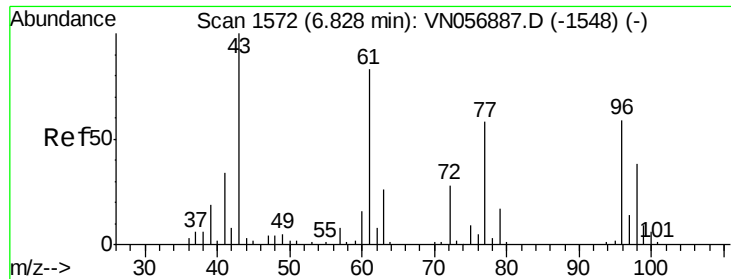
Tot Ion: 75 Resp: 86512
 Ion Ratio Lower Upper
 75 100
 110 37.0 0.0 75.8
 77 30.9 0.0 64.0



#30
 2-Butanone
 Concen: 95.892 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 43 Resp: 165783
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.5 9.7
 72 27.0 22.1 33.1





#31

2,2-Dichloropropane

Concen: 17.324 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

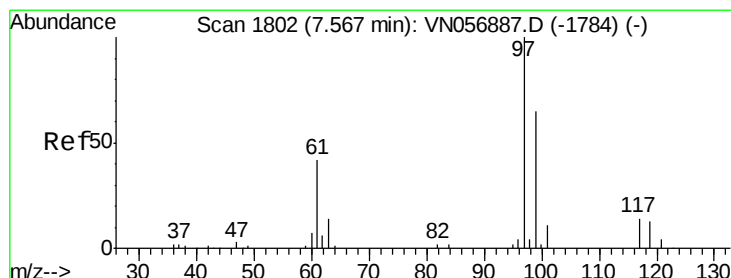
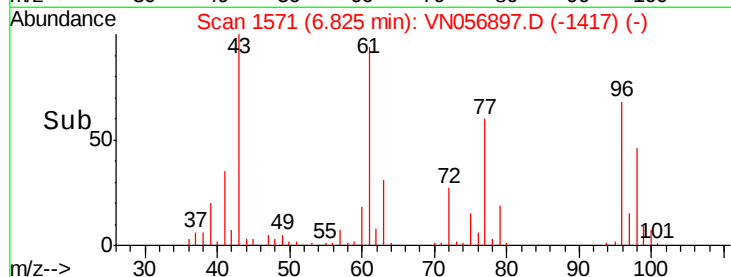
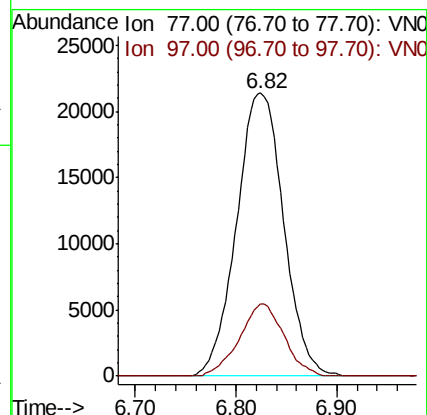
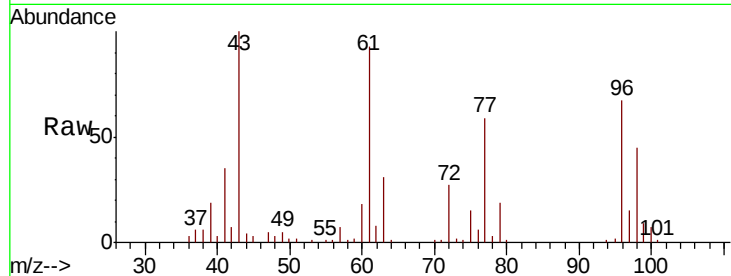
VN0724WBS01

Tot Ion: 77 Resp: 69182

Ion Ratio Lower Upper

77 100

97 24.1 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 20.124 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

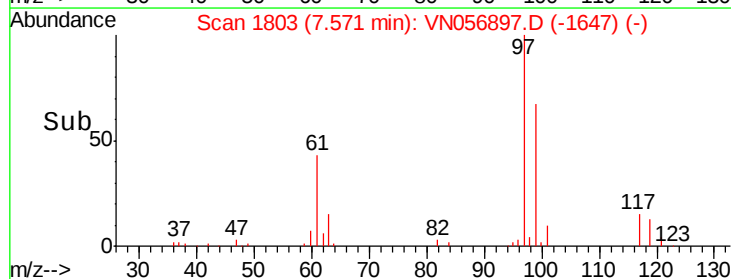
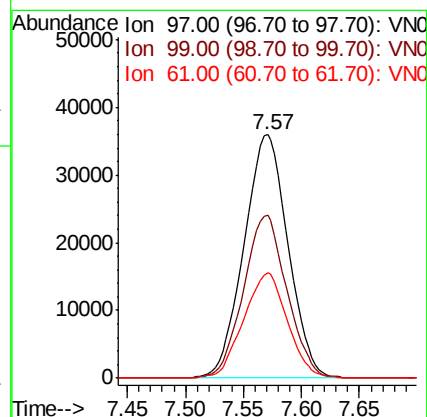
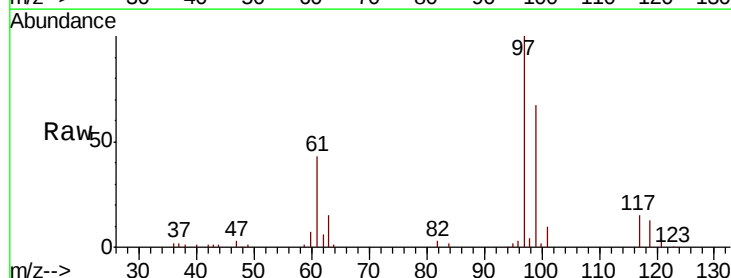
Tgt Ion: 97 Resp: 95149

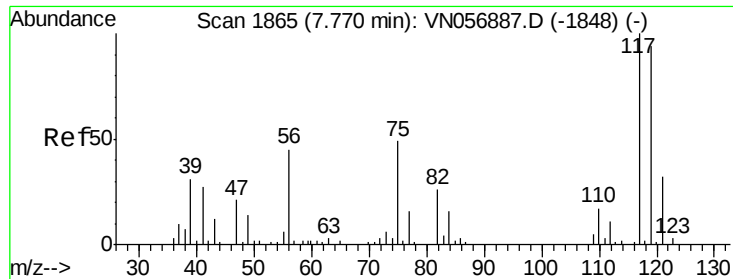
Ion Ratio Lower Upper

97 100

99 65.9 52.3 78.5

61 43.0 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.884 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

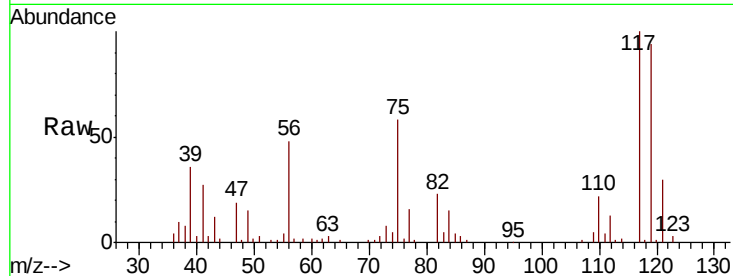
Tot Ion:117 Resp: 82059

Ion Ratio Lower Upper

117 100

119 93.7 75.1 112.7

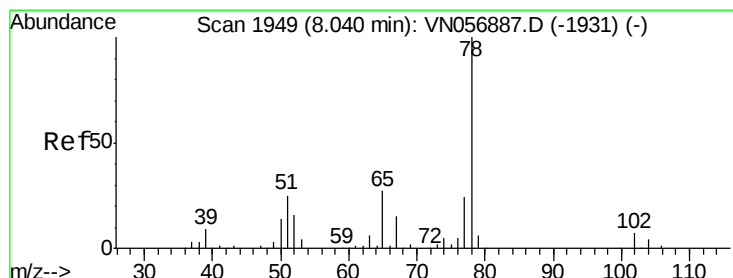
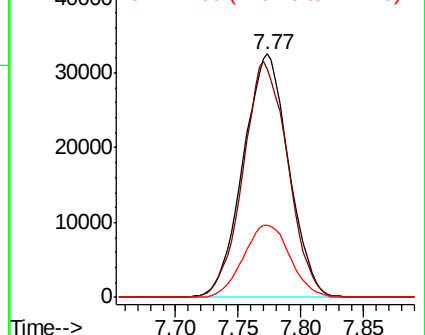
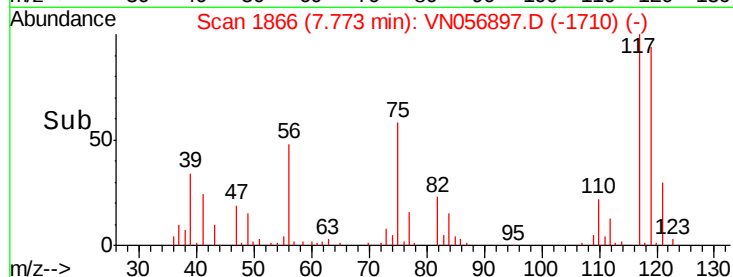
121 29.6 25.8 38.8



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: 20.255 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

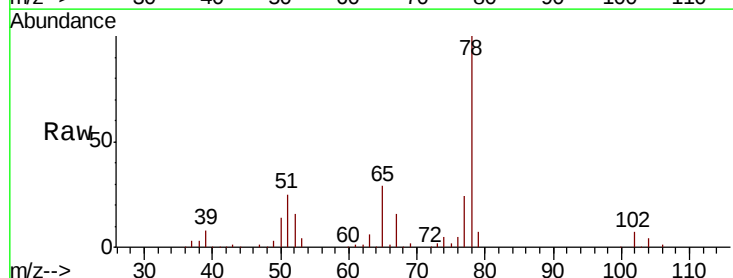
Tgt Ion: 78 Resp: 274638

Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.2

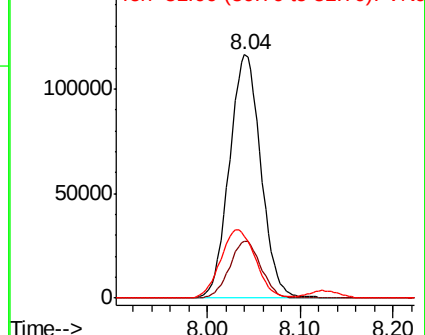
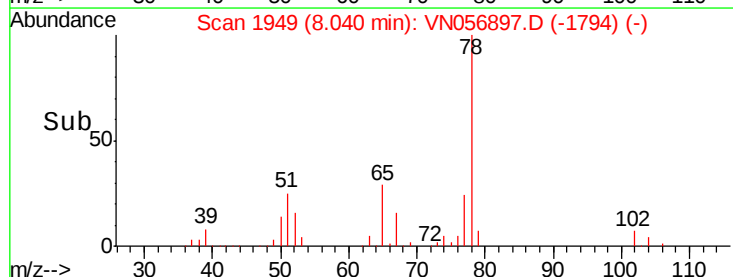
51 25.2 20.4 30.6

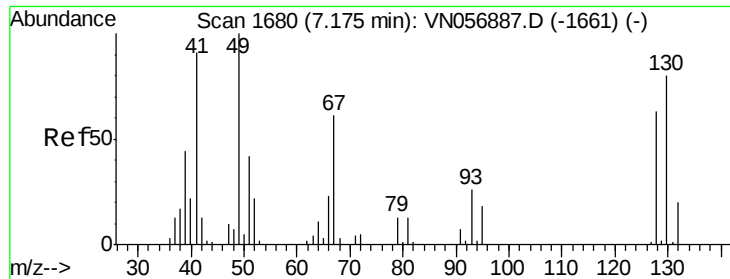


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

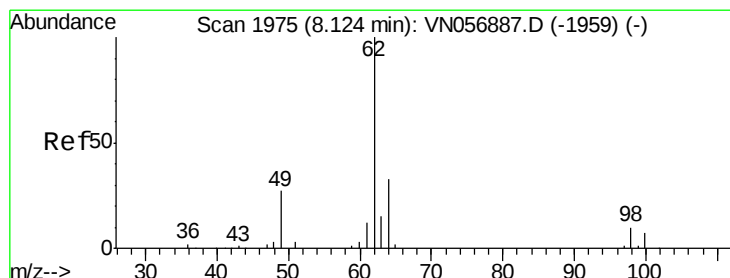
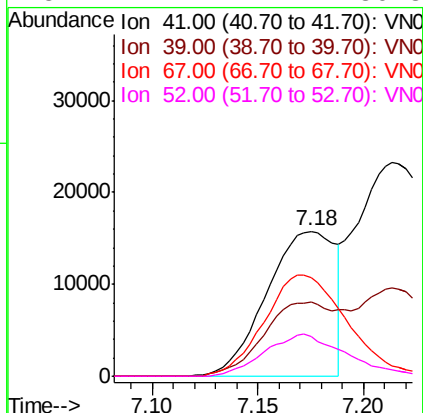
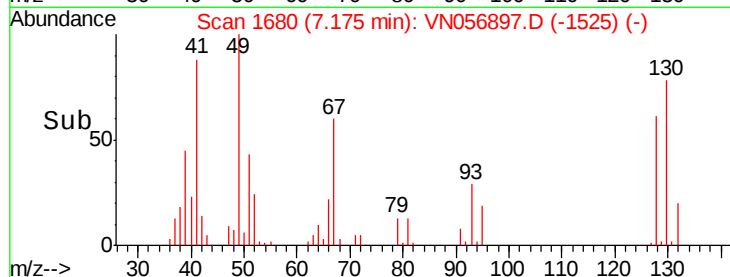
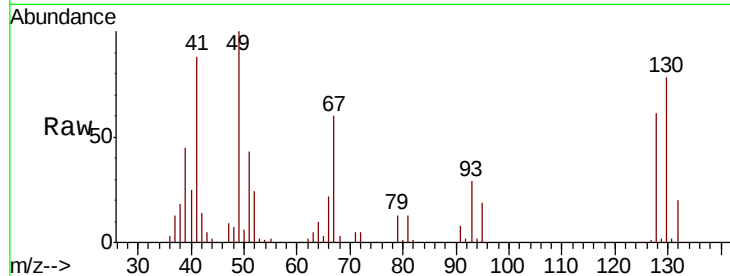




#35
Methacrylonitrile
Concen: 20.674 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

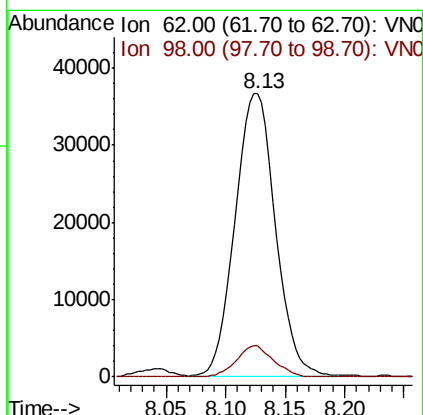
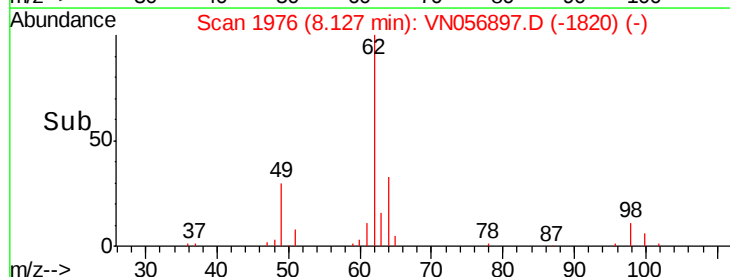
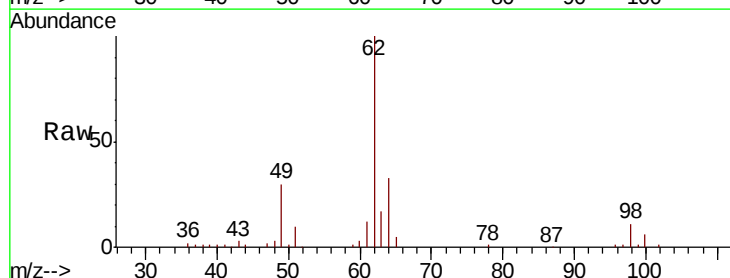
Instrument :
MSVOA_N
ClientSampled :
VN0724WBS01

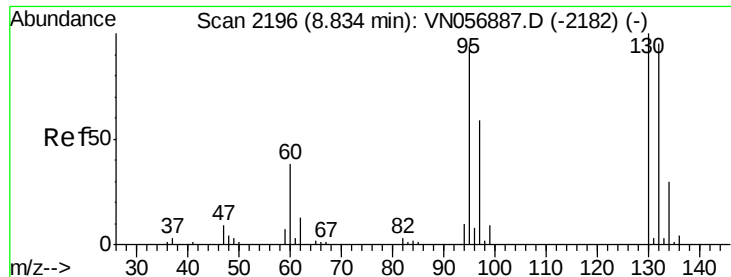
Tot Ion:	41	Resp:	35695
Ion	Ratio	Lower	Upper
41	100		
39	51.0	24.4	73.2
67	68.3	33.4	100.1
52	27.1	12.1	36.3



#36
1,2-Dichloroethane
Concen: 20.558 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion:	62	Resp:	86655
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.7	11.5

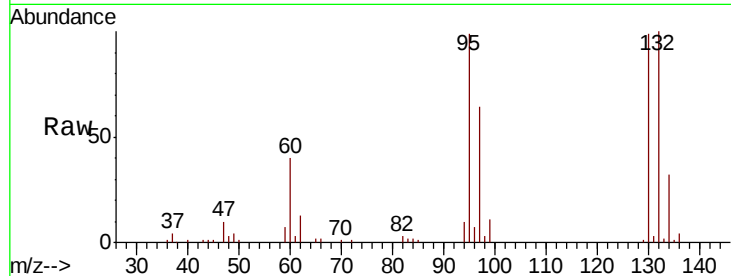




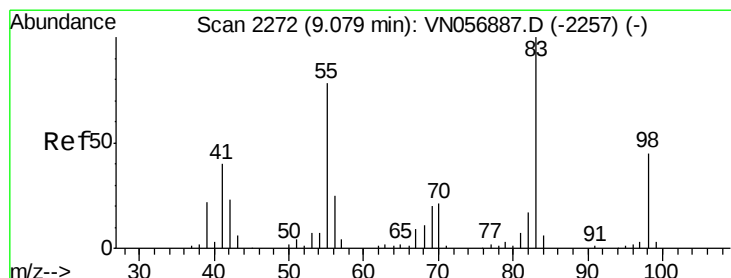
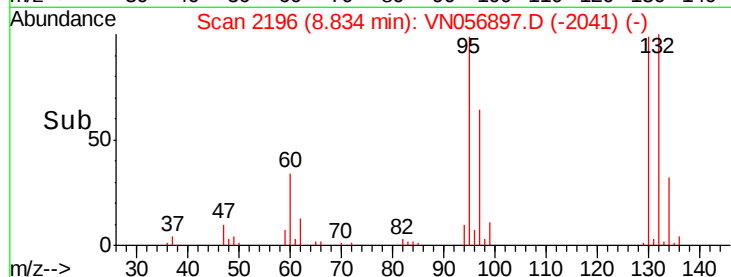
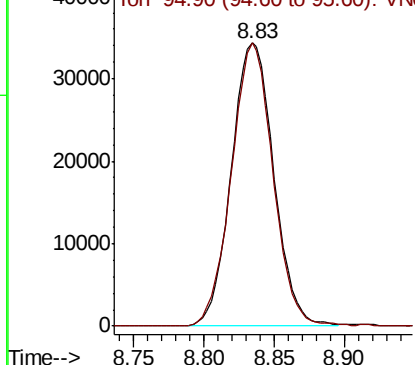
#37
 Trichloroethene
 Concen: 19.903 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion:130 Resp: 72349
 Ion Ratio Lower Upper
 130 100
 95 100.0 74.9 112.3

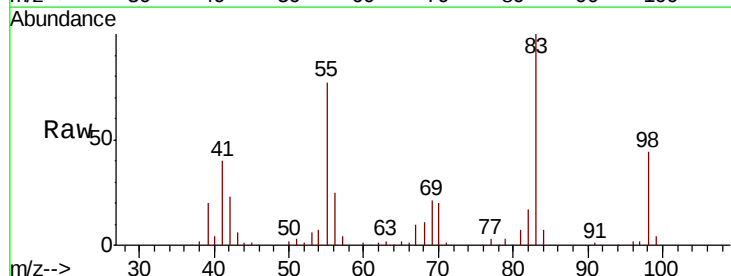


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

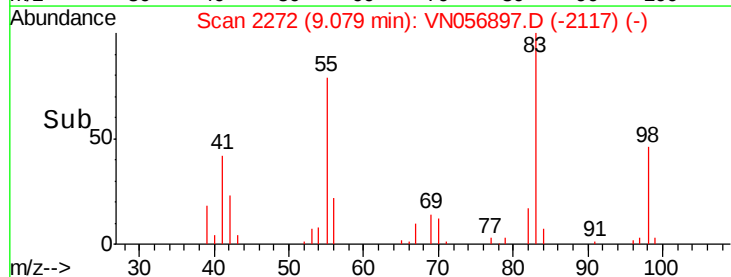
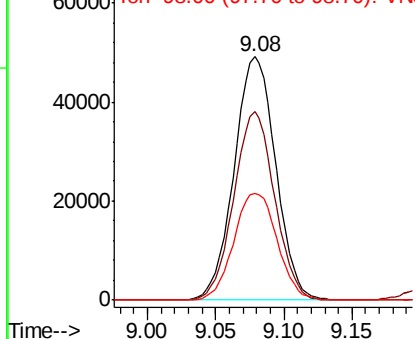


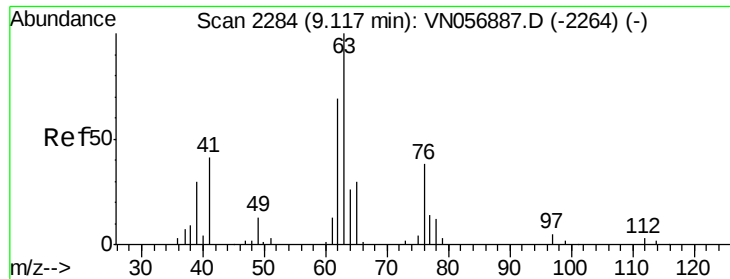
#38
 Methylcyclohexane
 Concen: 18.993 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 83 Resp: 103968
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.1
 98 45.8 22.7 68.0



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





#39

1,2-Dichloropropane

Concen: 20.598 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

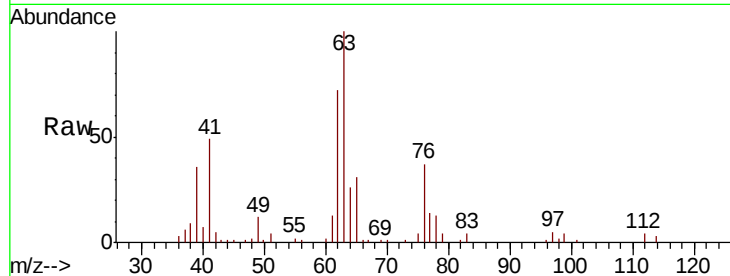
VN0724WBS01

Tot Ion: 63 Resp: 74549

Ion Ratio Lower Upper

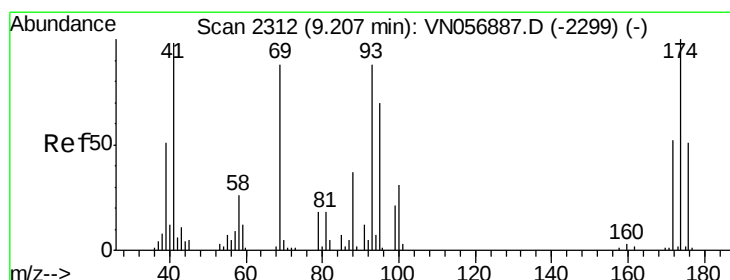
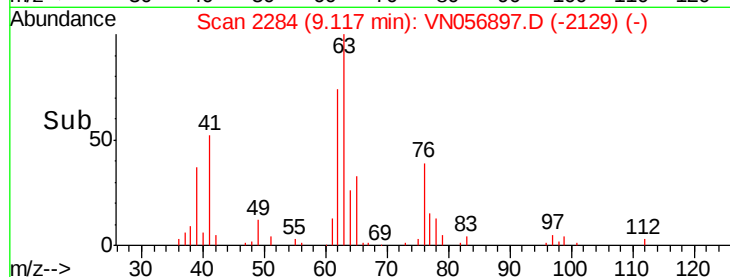
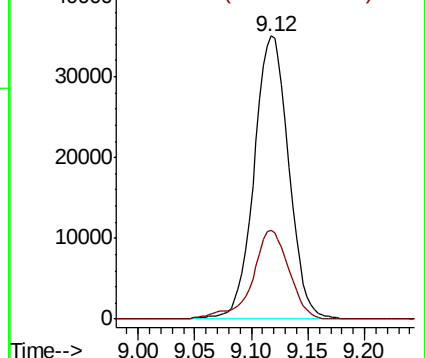
63 100

65 31.5 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.110 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

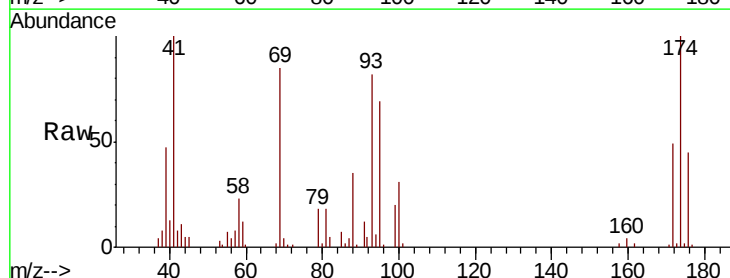
Tgt Ion: 93 Resp: 44649

Ion Ratio Lower Upper

93 100

95 83.5 0.0 165.8

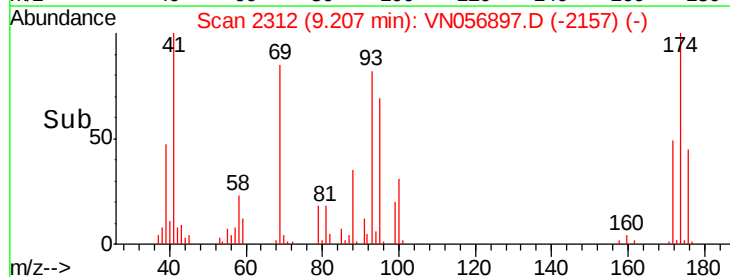
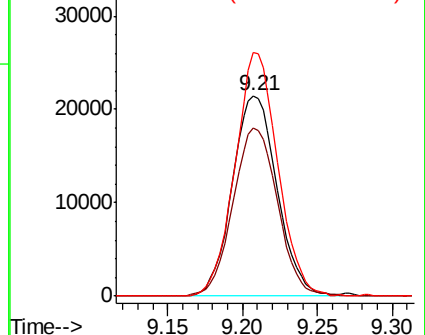
174 116.0 0.0 232.4

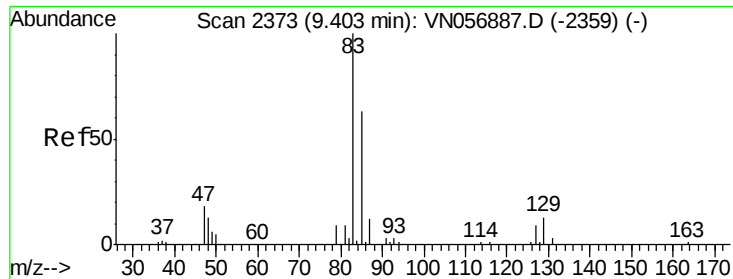


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.645 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

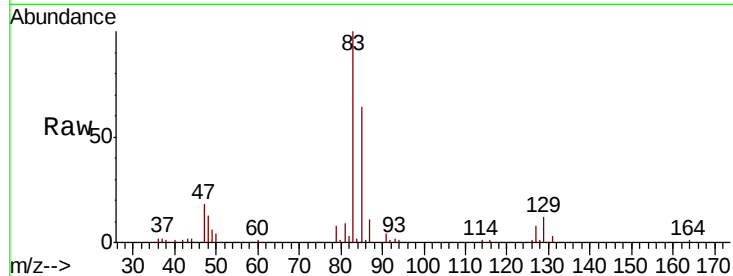
Tot Ion: 83 Resp: 83814

Ion Ratio Lower Upper

83 100

85 64.2 50.6 75.8

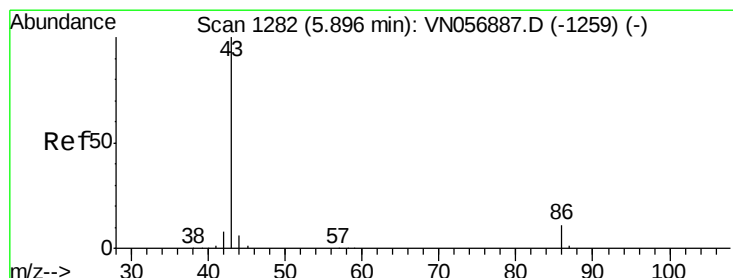
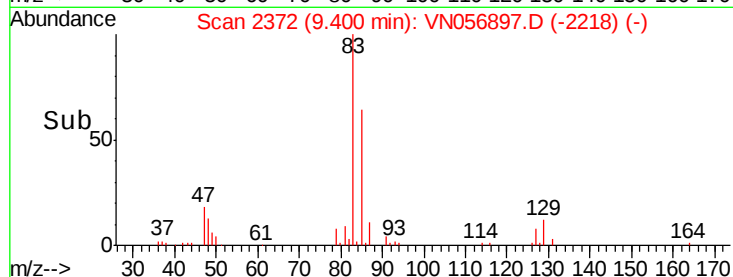
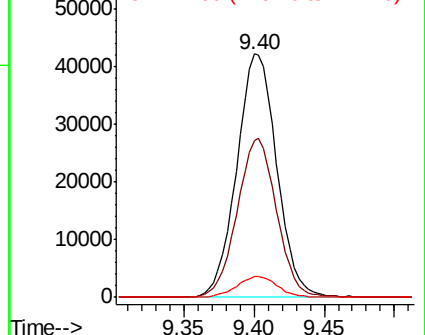
127 8.5 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.273 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056897.D

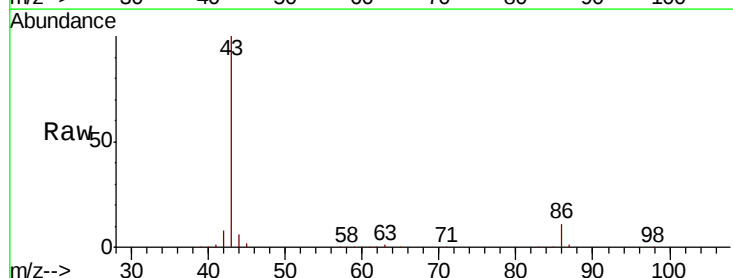
Acq: 24 Jul 2019 00:42

Tgt Ion: 43 Resp: 748923

Ion Ratio Lower Upper

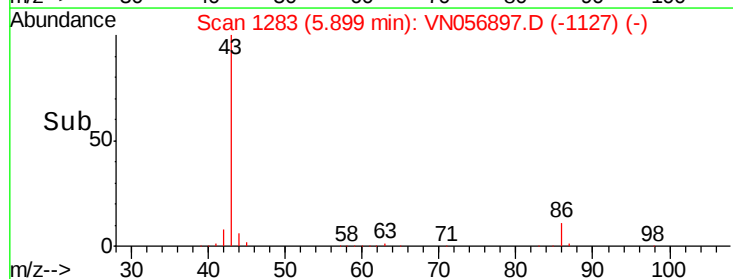
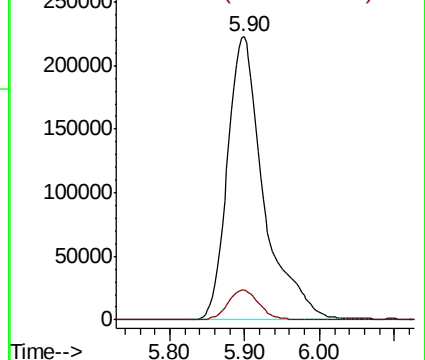
43 100

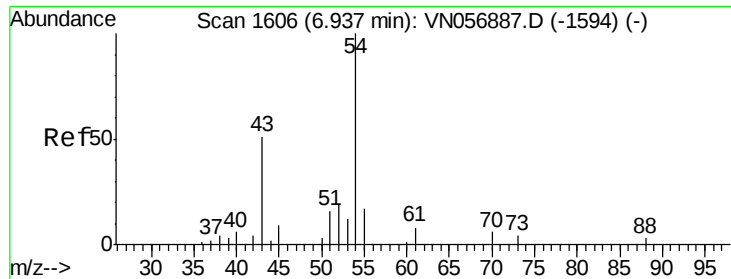
86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.375 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

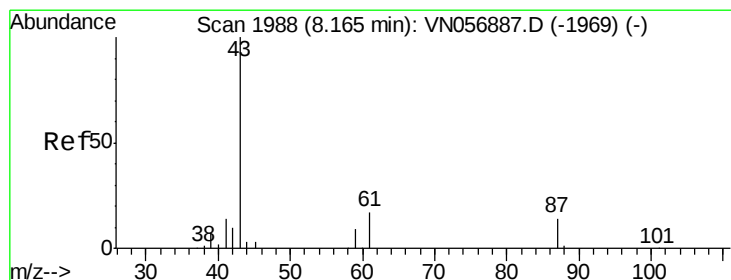
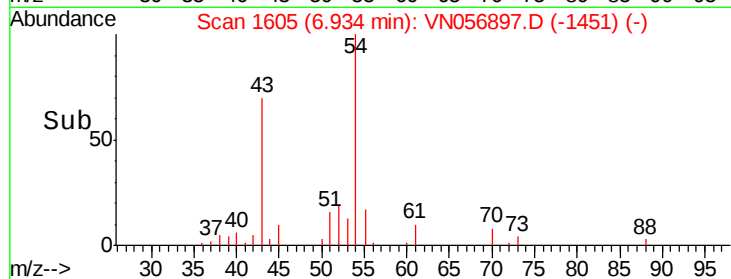
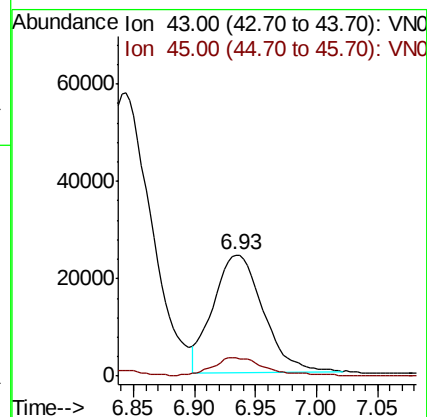
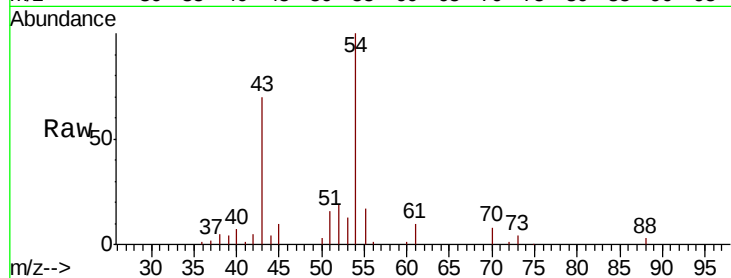
VN0724WBS01

Tot Ion: 43 Resp: 68669

Ion Ratio Lower Upper

43 100

45 8.9 10.2 15.2#



#44

Isopropyl Acetate

Concen: 19.170 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056897.D

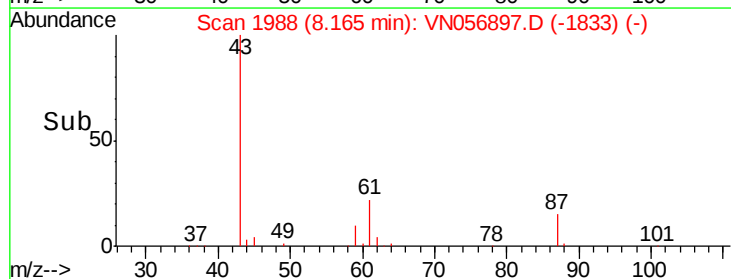
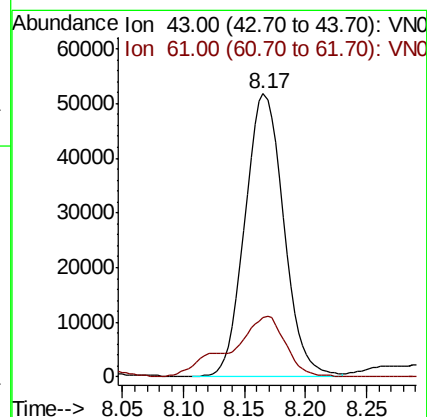
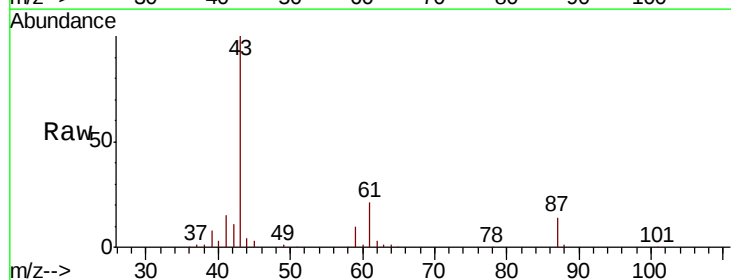
Acq: 24 Jul 2019 00:42

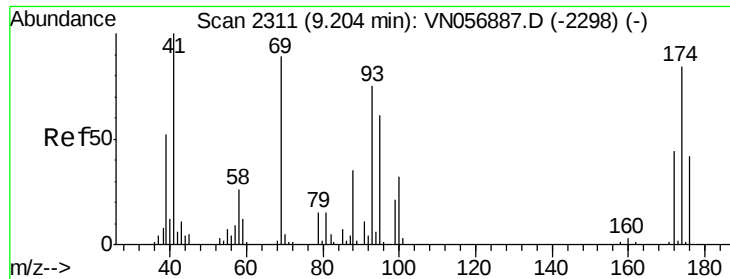
Tgt Ion: 43 Resp: 113249

Ion Ratio Lower Upper

43 100

61 22.6 23.0 34.4#

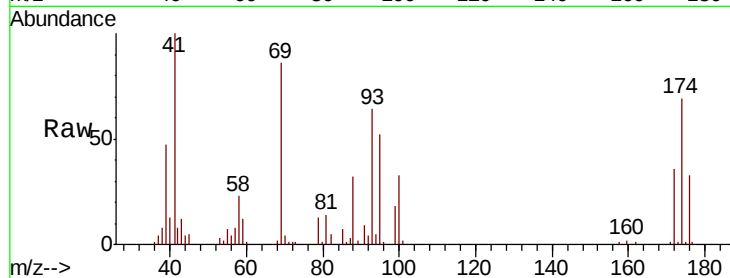




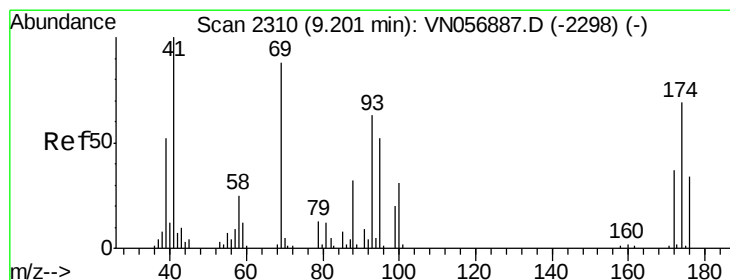
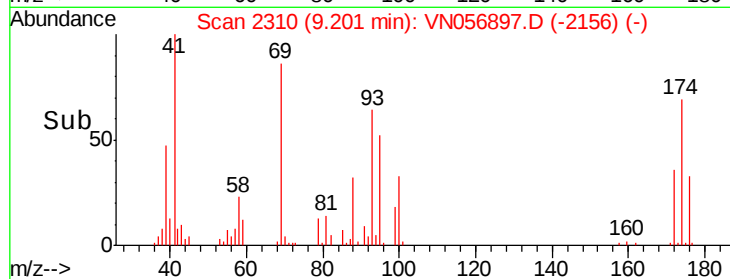
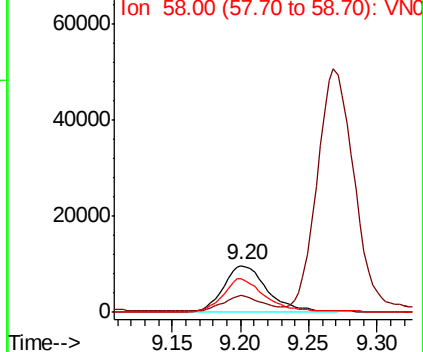
#45
 1,4-Dioxane
 Concen: 391.470 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Tot Ion: 88 Resp: 22017
 Ion Ratio Lower Upper
 88 100
 43 28.4 23.4 35.0
 58 68.3 58.5 87.7

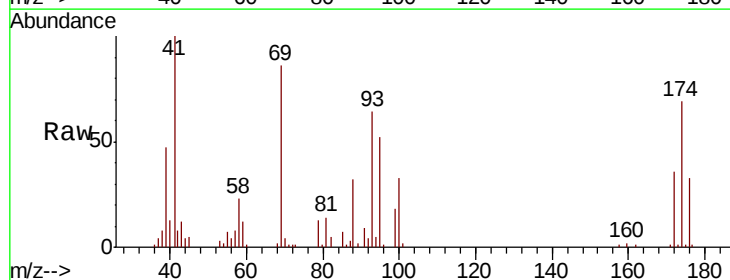


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

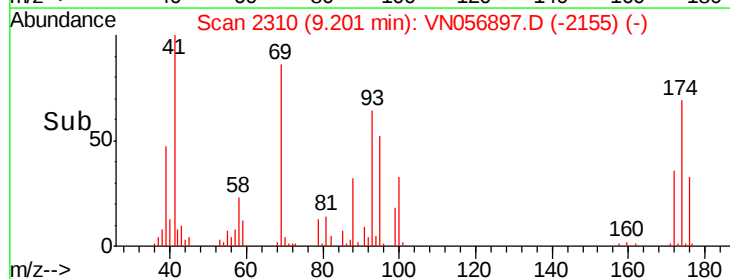
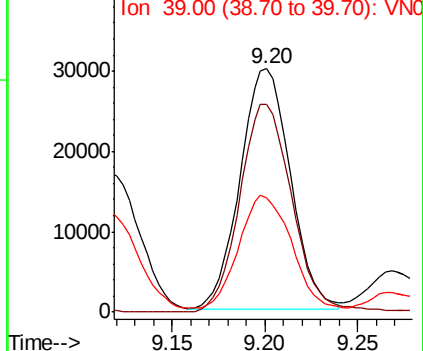


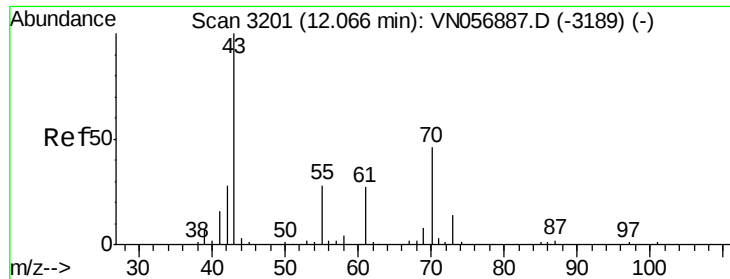
#46
 Methyl methacrylate
 Concen: 19.151 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 41 Resp: 56443
 Ion Ratio Lower Upper
 41 100
 69 86.9 44.0 132.0
 39 45.7 25.8 77.4



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

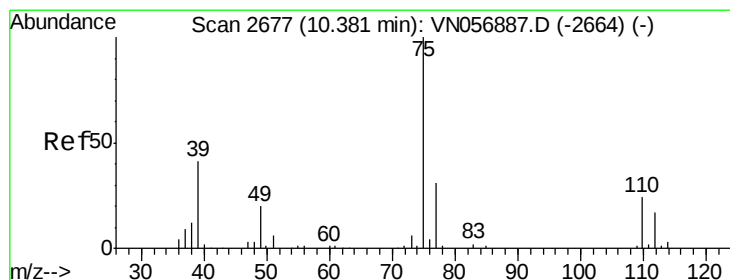
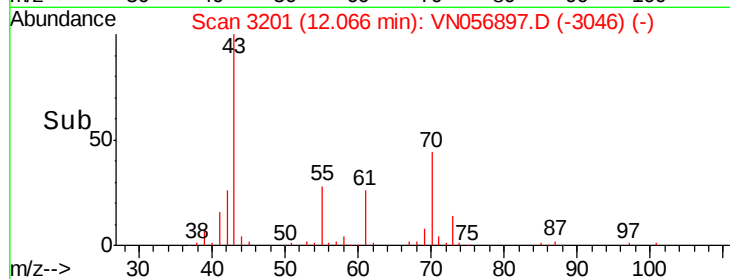
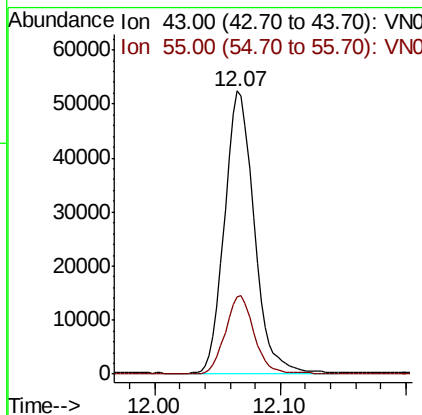
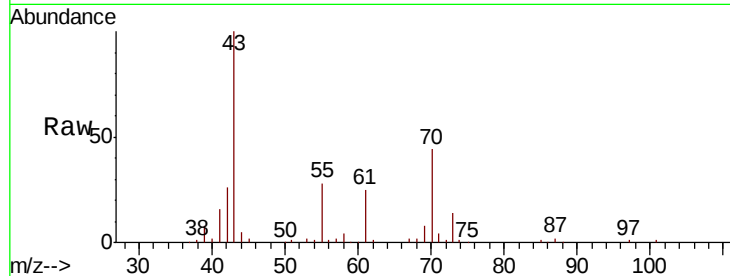




#47
 n-amvl Acetate
 Concen: 18.052 ug/l
 RT: 12.07 min Scan# 3201
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

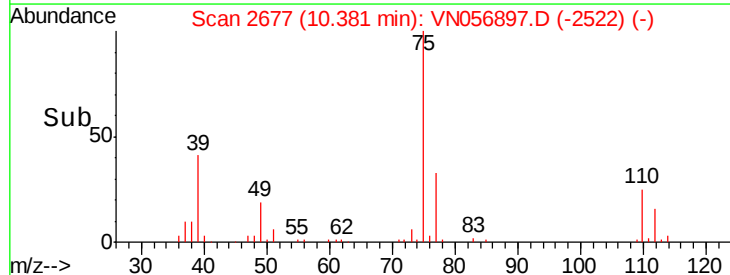
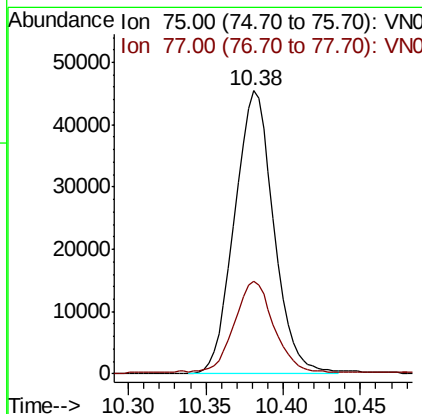
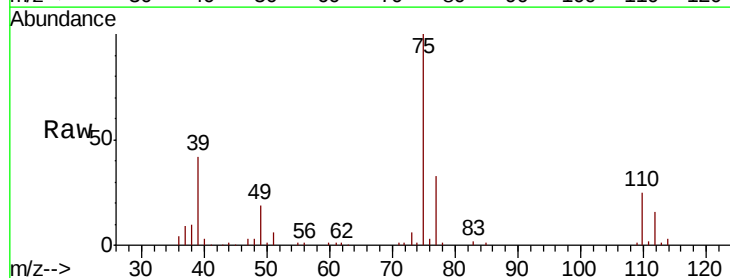
Instrument :
 MSVOA_N
 ClientSampled :
 VN0724WBS01

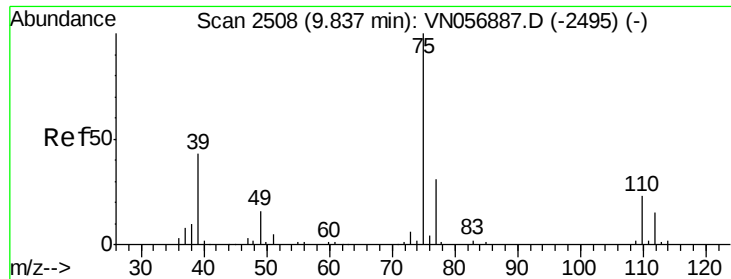
Tot Ion: 43 Resp: 85370
 Ion Ratio Lower Upper
 43 100
 55 27.0 21.3 31.9



#48
 t-1,3-Dichloropropene
 Concen: 18.049 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 75 Resp: 80132
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0



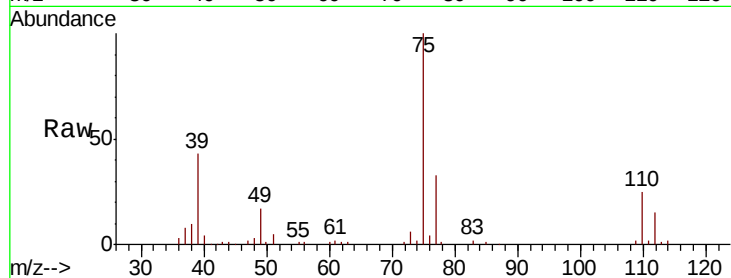


#49

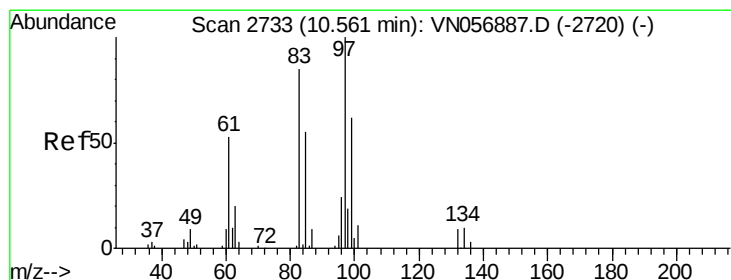
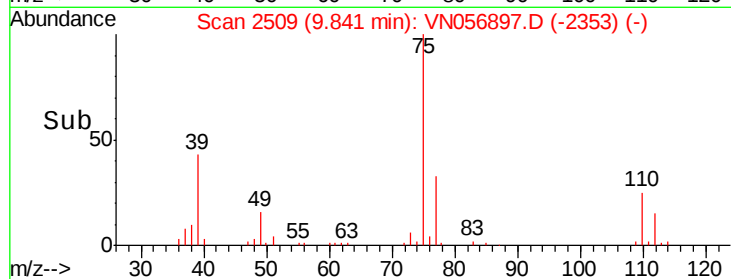
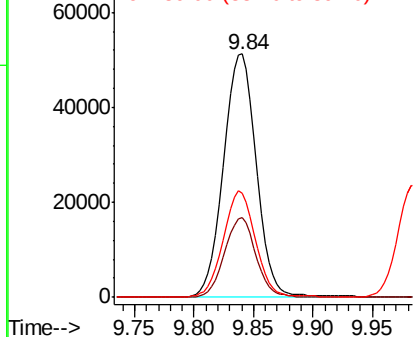
cis-1,3-Dichloropropene
Concen: 18.970 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion: 75 Resp: 98140
Ion Ratio Lower Upper
75 100
77 32.7 24.4 36.6
39 42.9 34.2 51.4



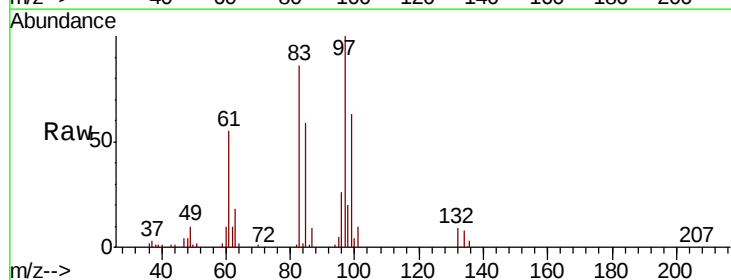
Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



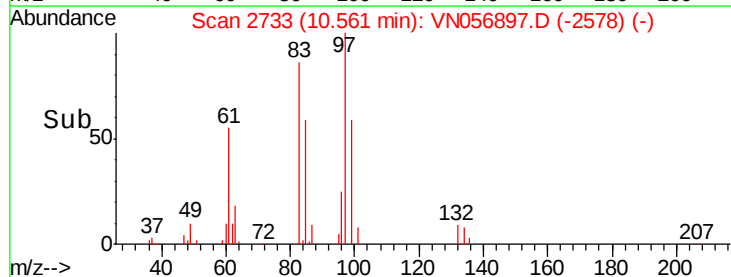
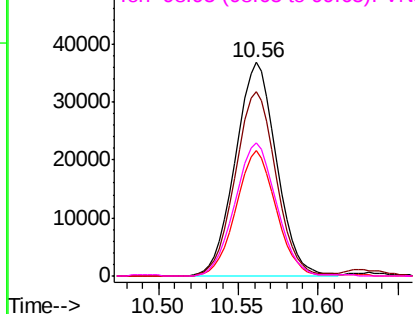
#50

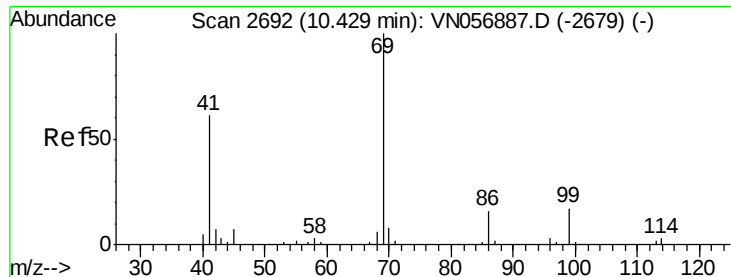
1,1,2-Trichloroethane
Concen: 20.321 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 97 Resp: 64779
Ion Ratio Lower Upper
97 100
83 86.1 68.4 102.6
85 58.9 44.3 66.5
99 62.5 49.4 74.2



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.348 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

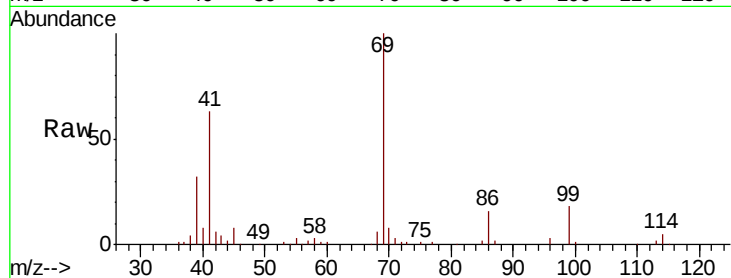
Tot Ion: 69 Resp: 89207

Ion Ratio Lower Upper

69 100

41 62.2 30.4 91.3

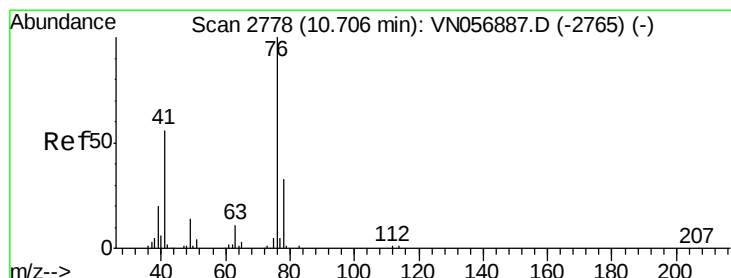
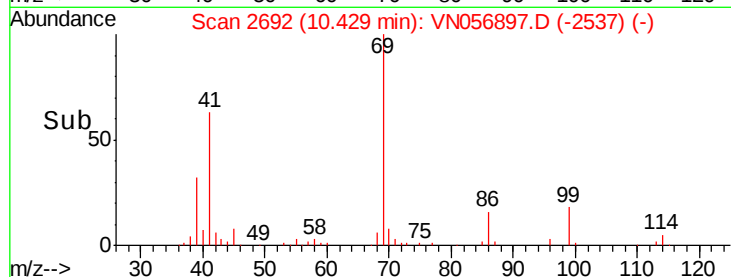
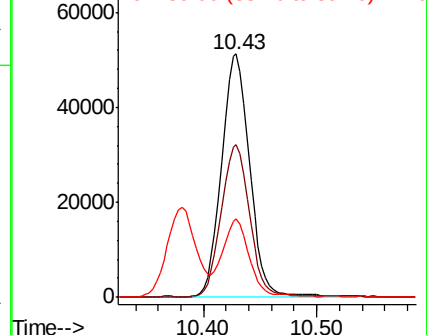
39 31.7 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.139 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056897.D

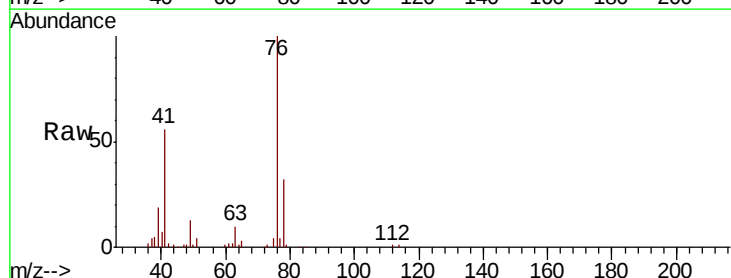
Acq: 24 Jul 2019 00:42

Tgt Ion: 76 Resp: 108347

Ion Ratio Lower Upper

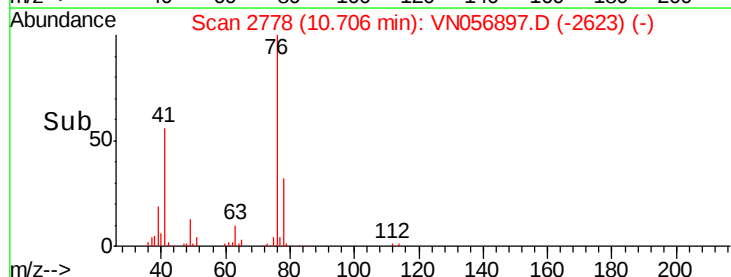
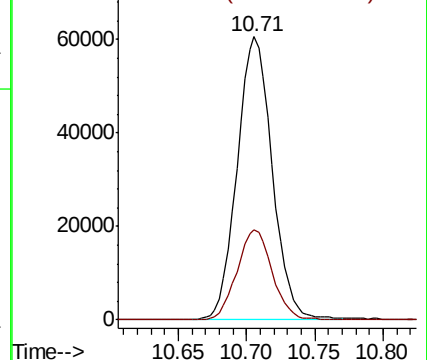
76 100

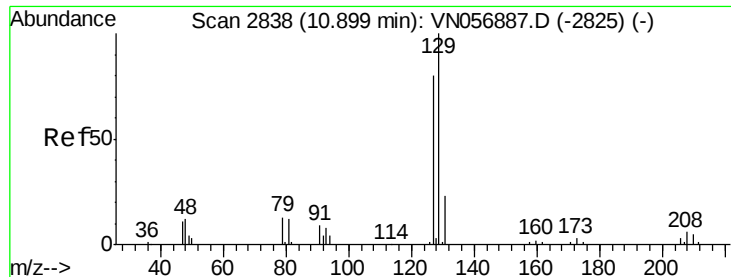
78 31.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

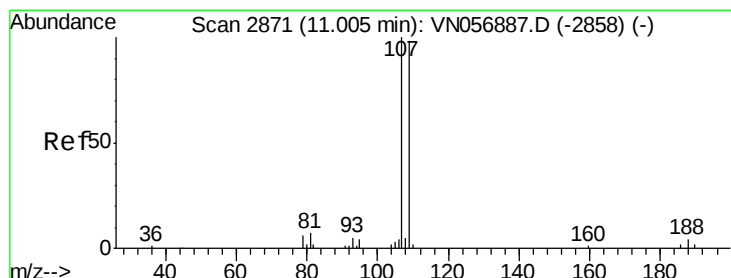
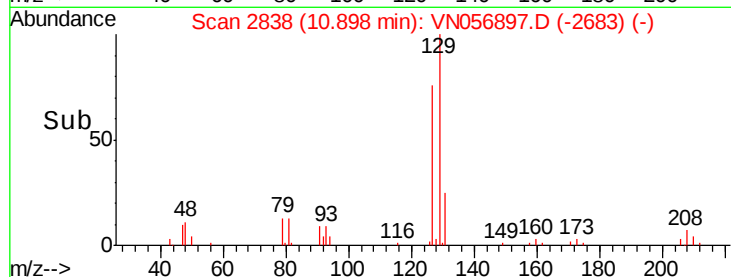
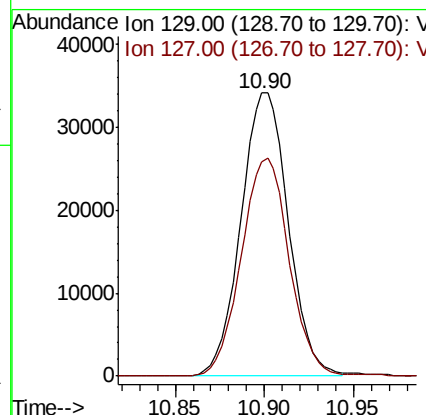
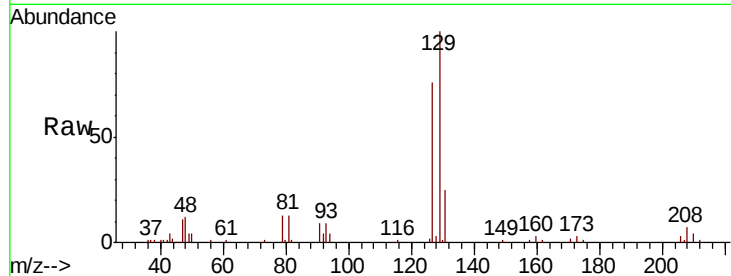




#53
 Dibromochloromethane
 Concen: 19.091 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

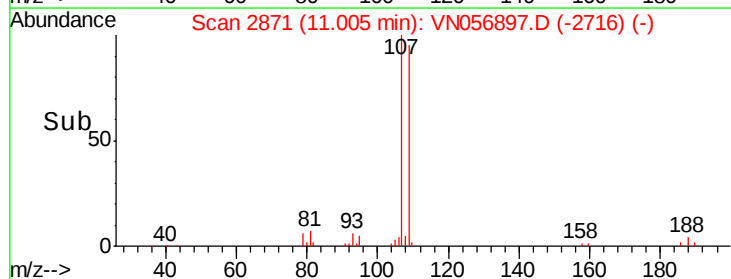
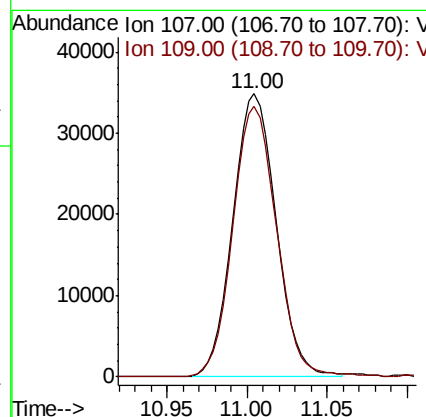
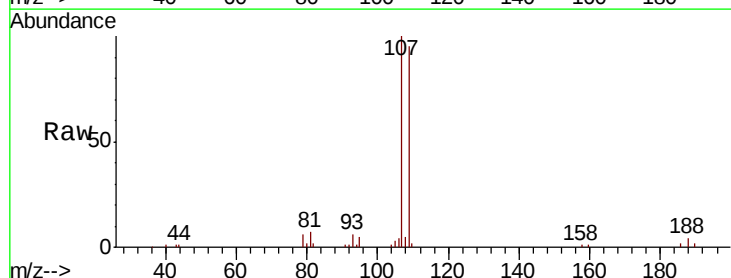
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

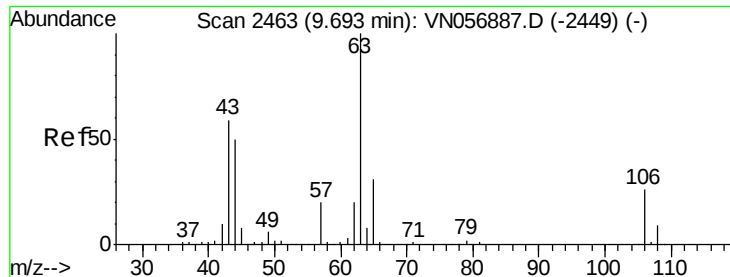
Tot Ion:129 Resp: 63258
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.8 116.4



#54
 1,2-Dibromoethane
 Concen: 19.792 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion:107 Resp: 64364
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.2 114.2

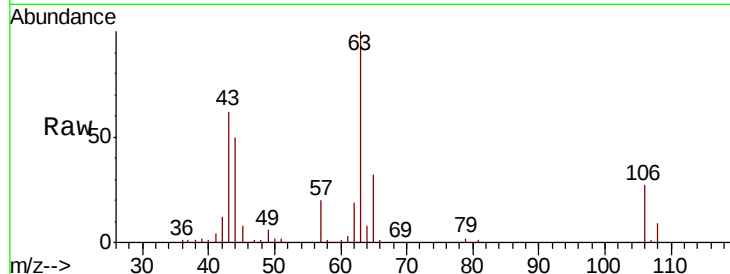




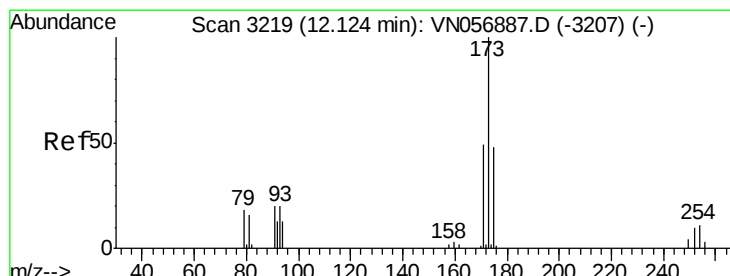
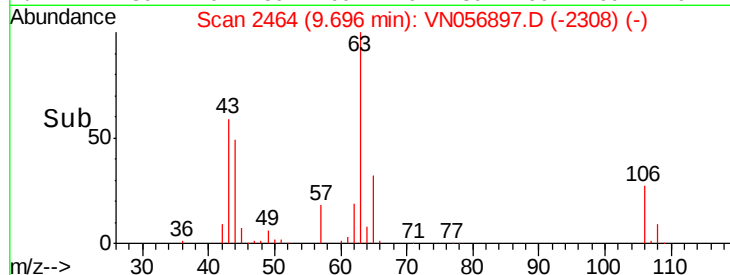
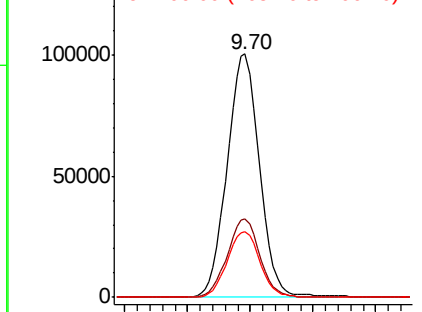
#55
2-Chloroethyl vinyl ether
Concen: 90.213 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampled :
VN0724WBS01

Tot Ion: 63 Resp: 180145
Ion Ratio Lower Upper
63 100
65 32.3 25.1 37.7
106 27.5 21.5 32.3

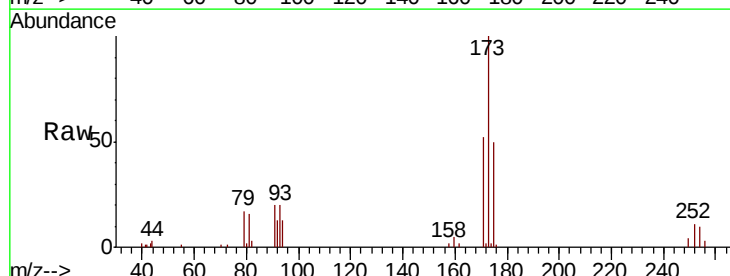


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

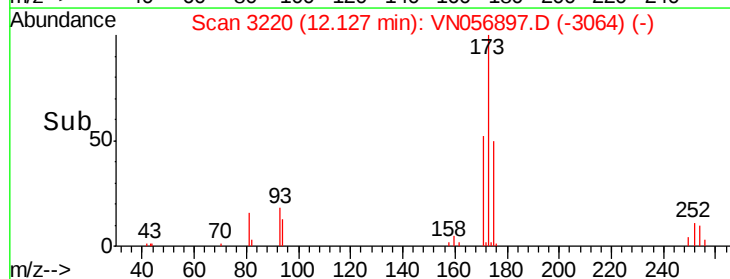
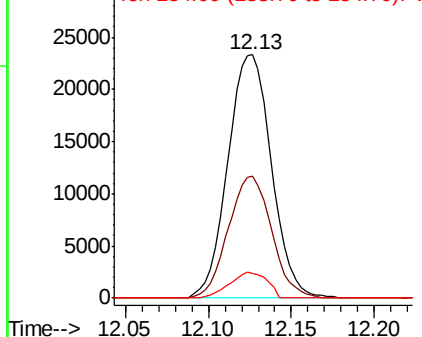


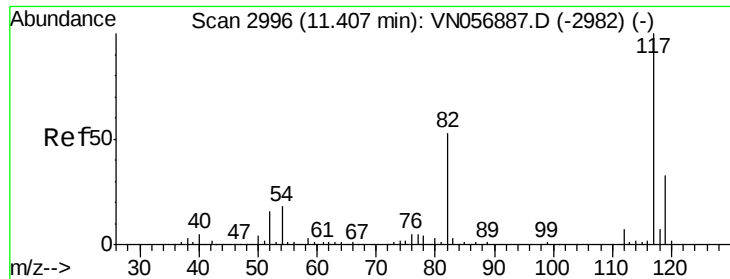
#56
Bromoform
Concen: 18.601 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 173 Resp: 42644
Ion Ratio Lower Upper
173 100
175 49.6 38.8 58.2
254 9.2 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

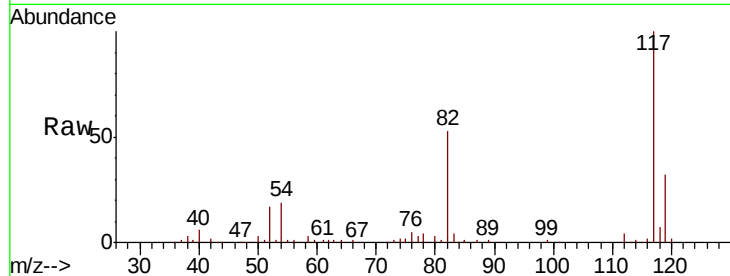




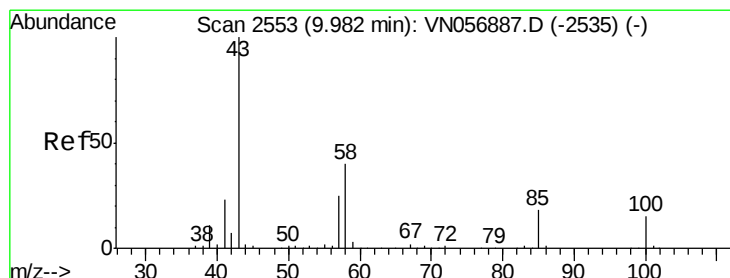
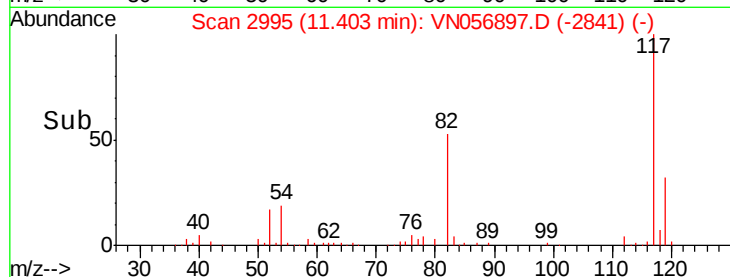
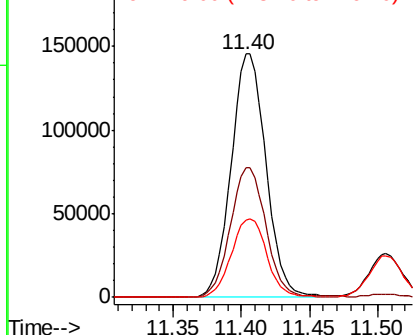
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion:117 Resp: 259232
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.8 26.2 39.2

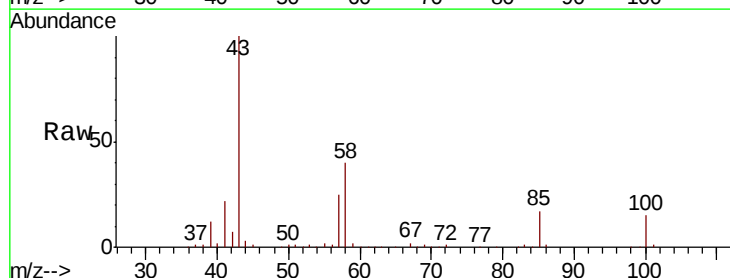


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

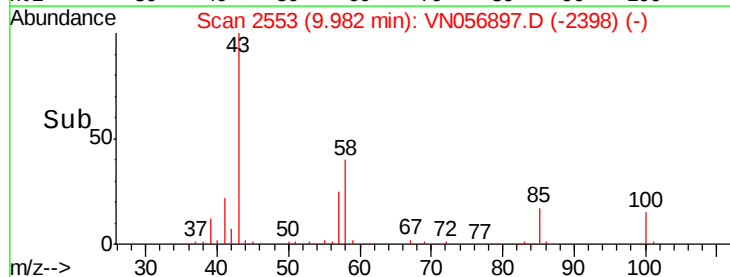
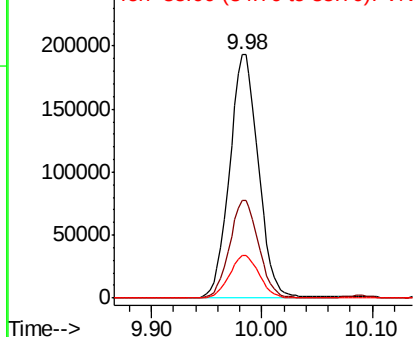


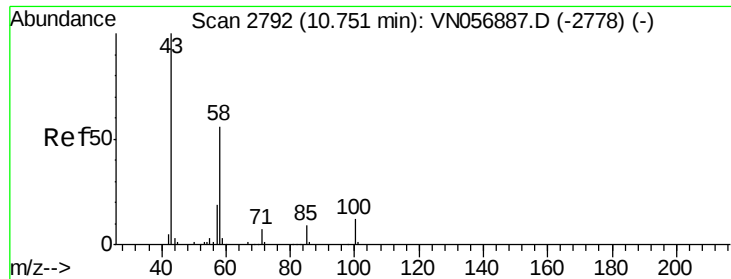
#58
4-Methyl-2-Pentanone
Concen: 100.482 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 43 Resp: 349556
Ion Ratio Lower Upper
43 100
58 40.4 31.7 47.5
85 18.0 14.5 21.7



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

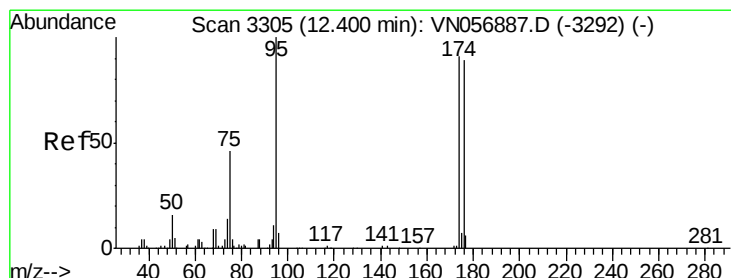
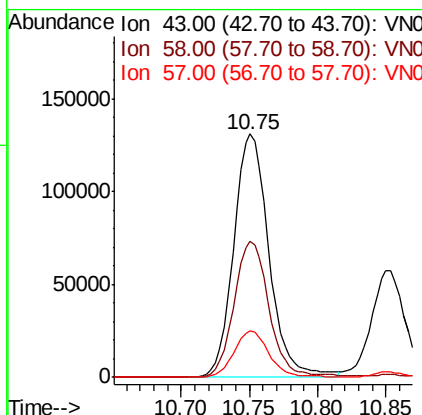
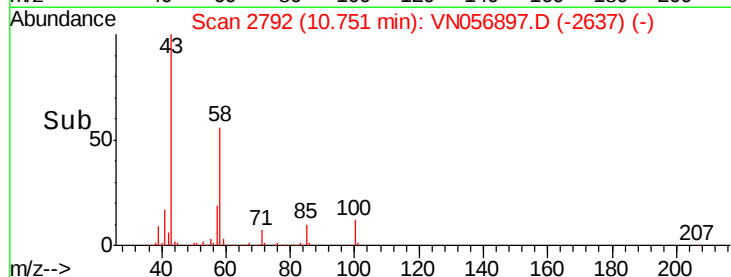
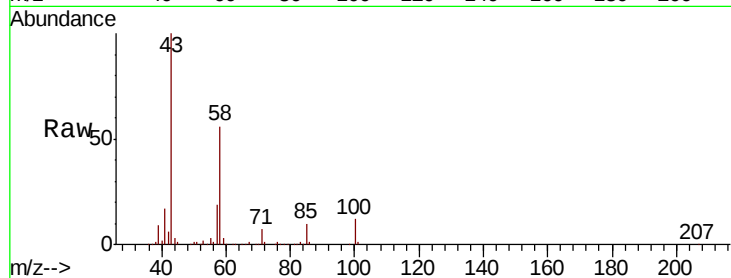




#59
2-Hexanone
Concen: 99.450 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

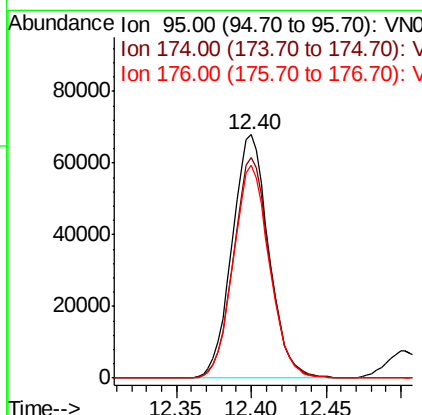
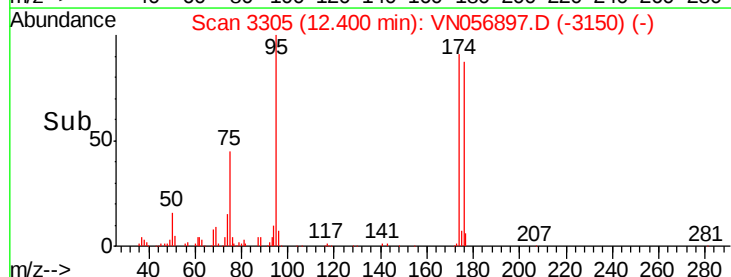
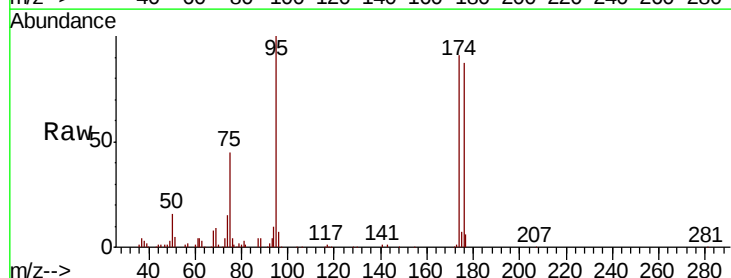
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

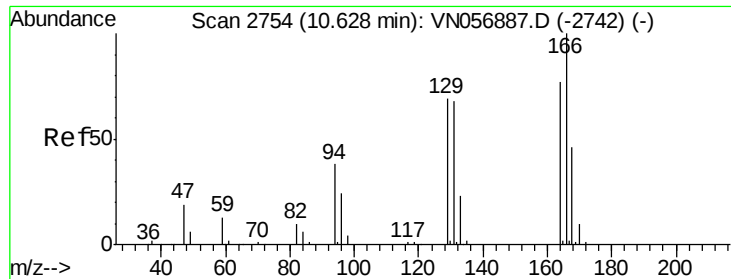
Tot Ion: 43 Resp: 235748
Ion Ratio Lower Upper
43 100
58 55.4 45.0 67.4
57 18.5 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.815 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion: 95 Resp: 115840
Ion Ratio Lower Upper
95 100
174 90.1 71.9 107.9
176 86.5 69.8 104.8





#61

Tetrachloroethene

Concen: 21.269 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

Tot Ion:164 Resp: 77274

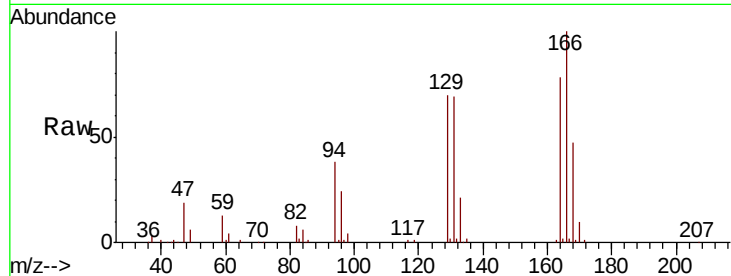
Ion Ratio Lower Upper

164 100

166 127.8 103.9 155.9

129 89.0 72.4 108.6

131 88.3 70.3 105.5

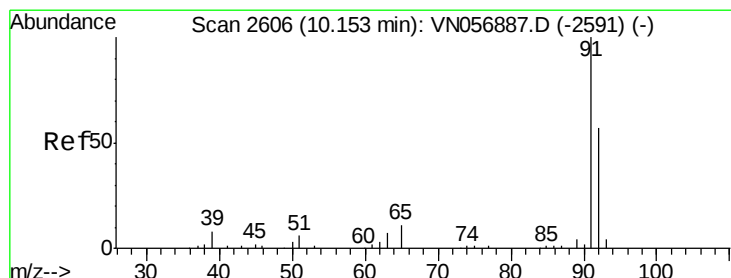
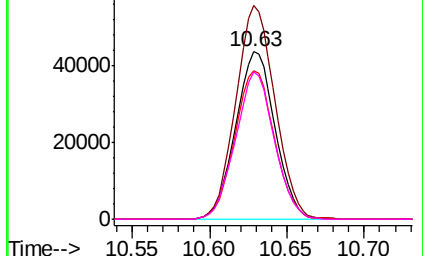
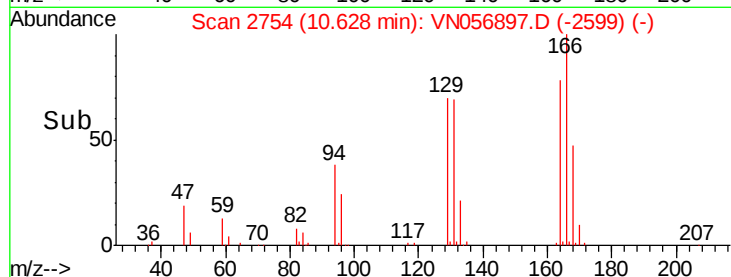


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.497 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056897.D

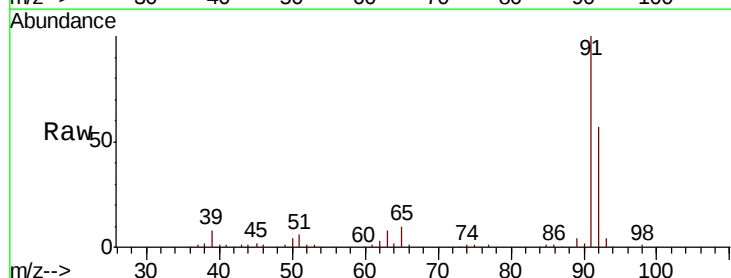
Acq: 24 Jul 2019 00:42

Tgt Ion: 91 Resp: 288983

Ion Ratio Lower Upper

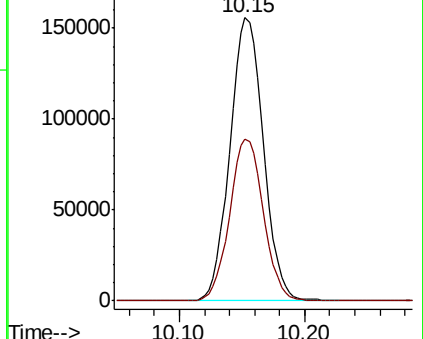
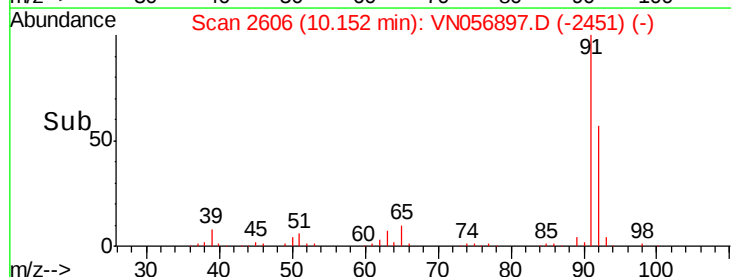
91 100

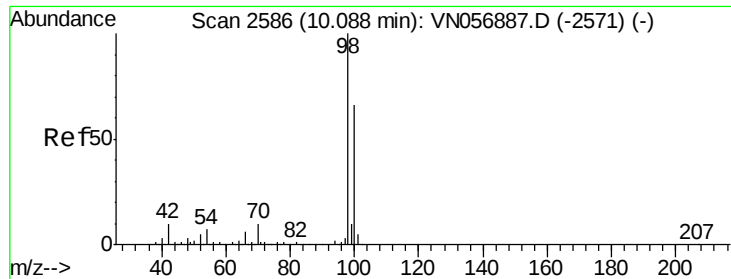
92 57.4 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.791 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampled :

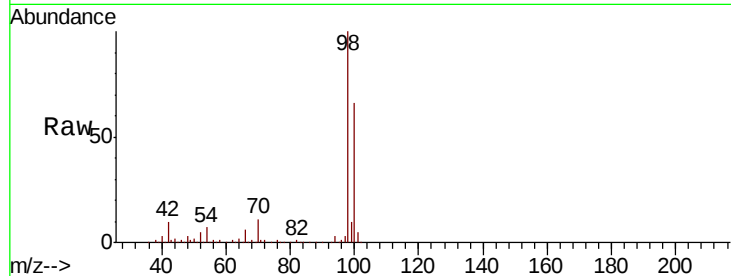
VN0724WBS01

Tot Ion: 98 Resp: 377048

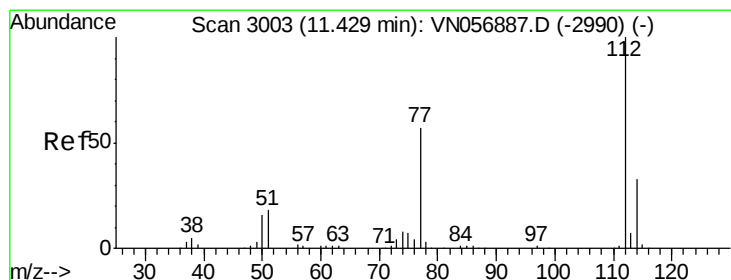
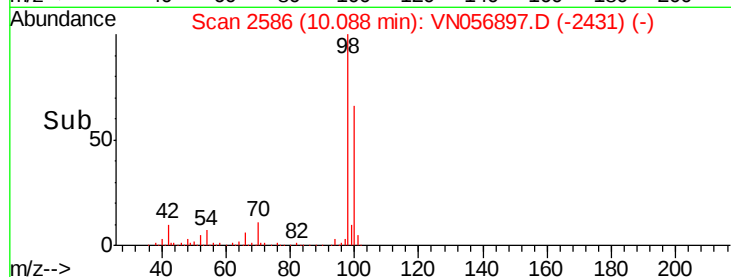
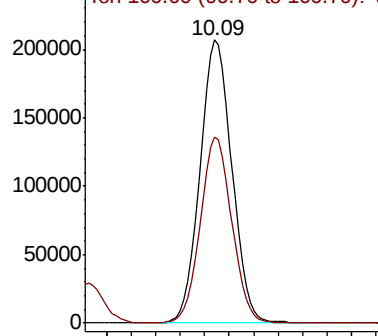
Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056887.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.343 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056897.D

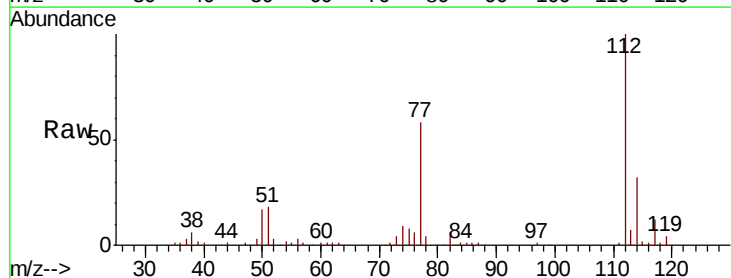
Acq: 24 Jul 2019 00:42

Tgt Ion: 112 Resp: 172765

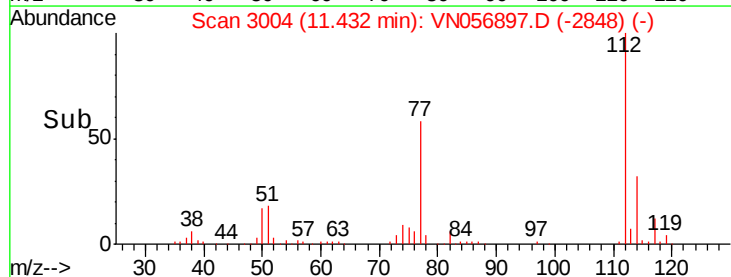
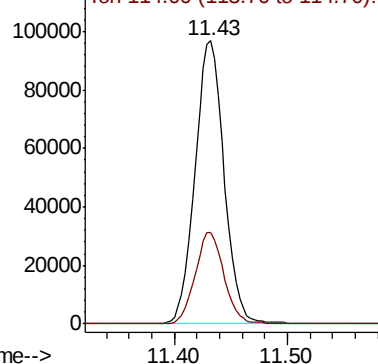
Ion Ratio Lower Upper

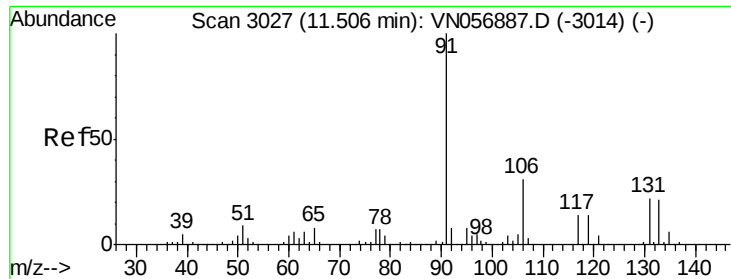
112 100

114 32.1 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN056887.D (-2990) (-)

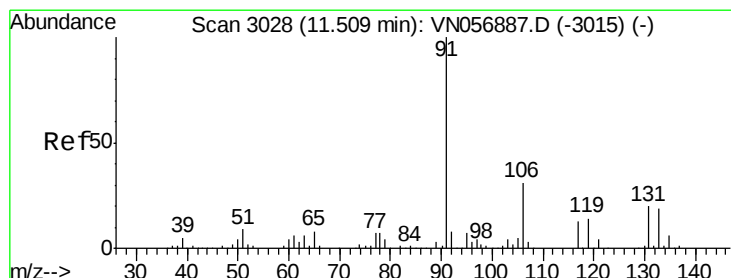
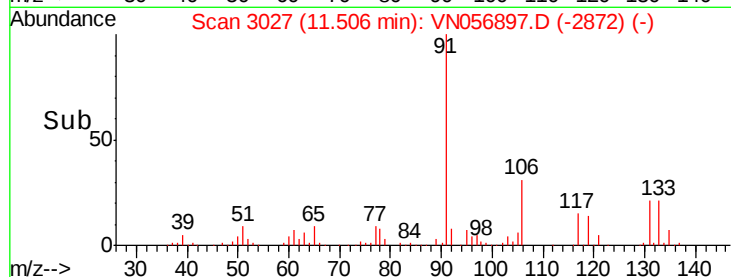
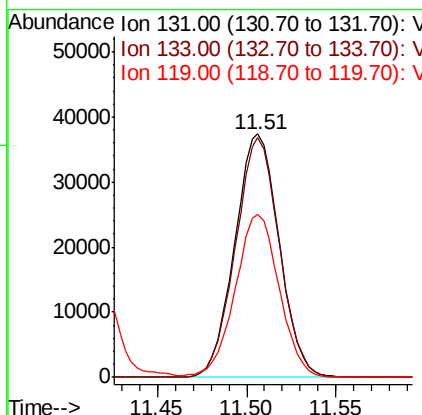
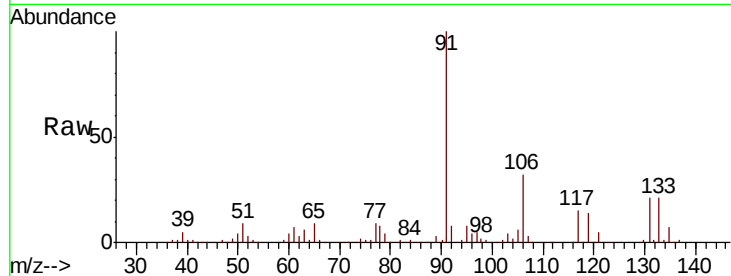




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.253 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

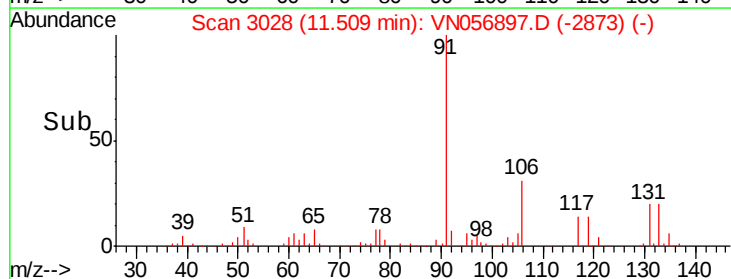
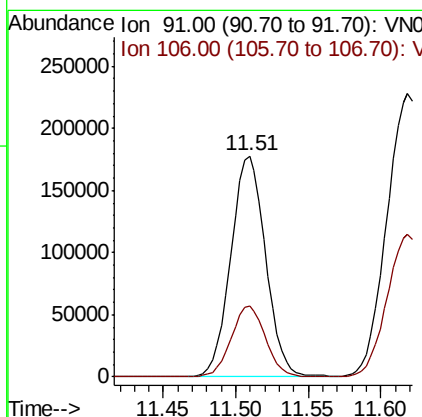
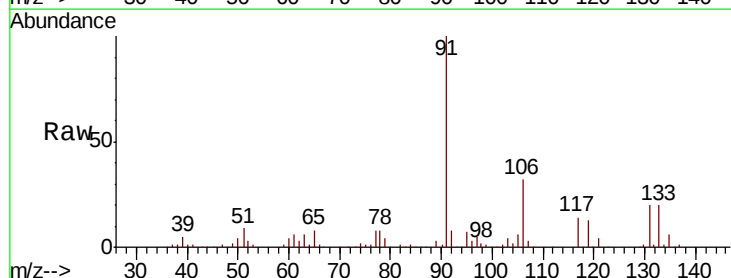
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

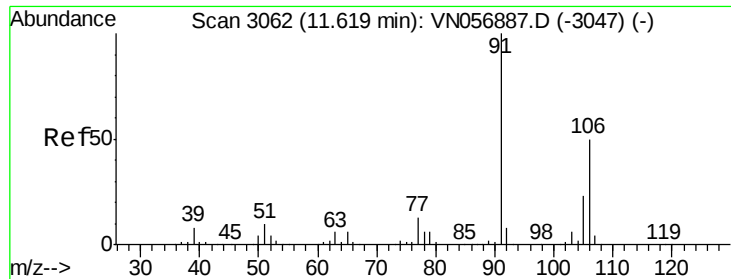
Tot Ion:131 Resp: 65148
 Ion Ratio Lower Upper
 131 100
 133 96.8 0.0 189.6
 119 66.3 0.0 133.6



#66
 Ethyl Benzene
 Concen: 19.959 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 91 Resp: 296525
 Ion Ratio Lower Upper
 91 100
 106 31.8 24.9 37.3

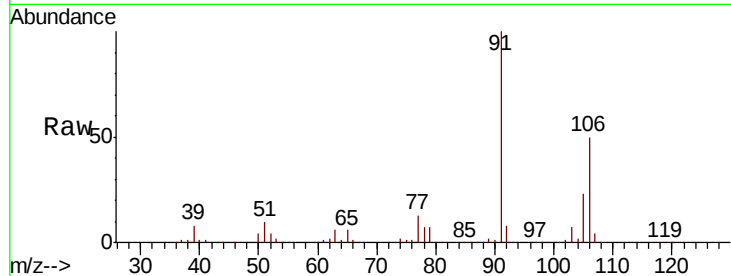




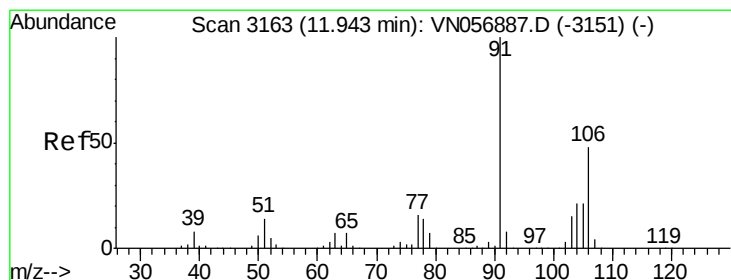
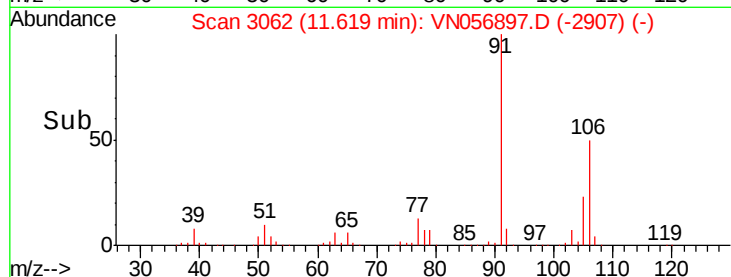
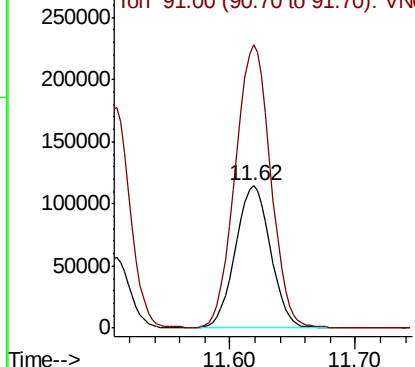
#67
m/p-Xylenes
Concen: 40.177 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

Tot Ion:106 Resp: 222586
Ion Ratio Lower Upper
106 100
91 201.9 160.6 240.8

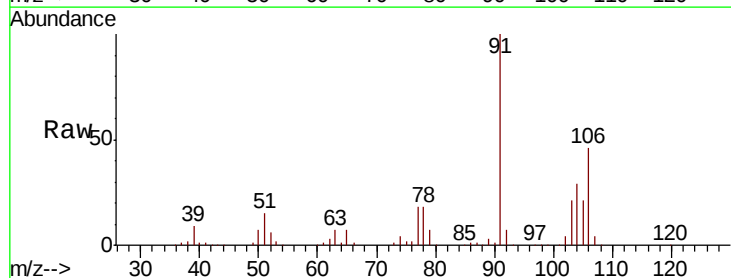


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

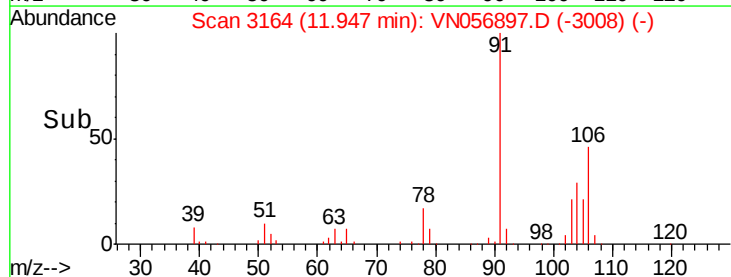
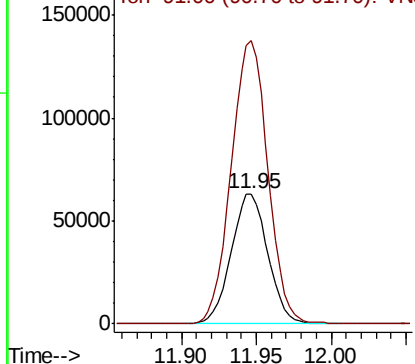


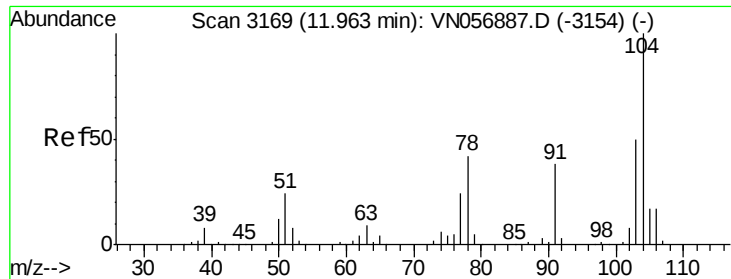
#68
o-Xylene
Concen: 19.719 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion:106 Resp: 107411
Ion Ratio Lower Upper
106 100
91 218.3 106.2 318.6



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

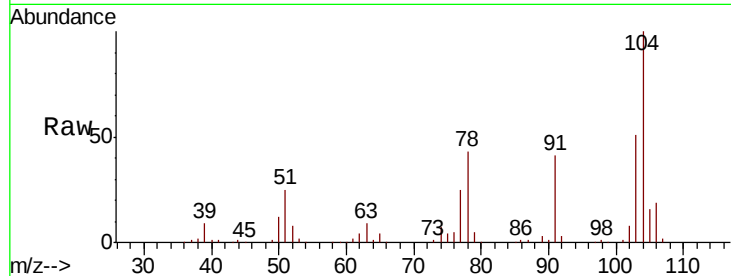




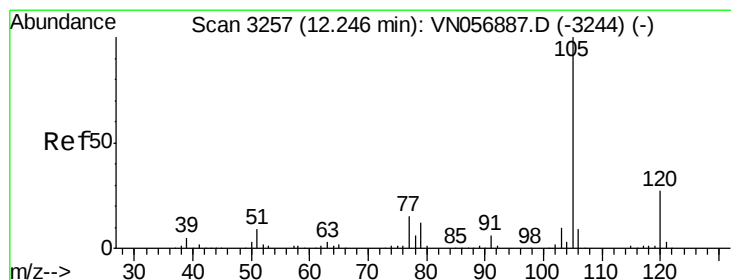
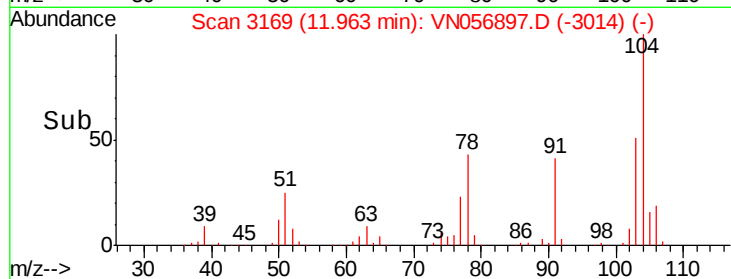
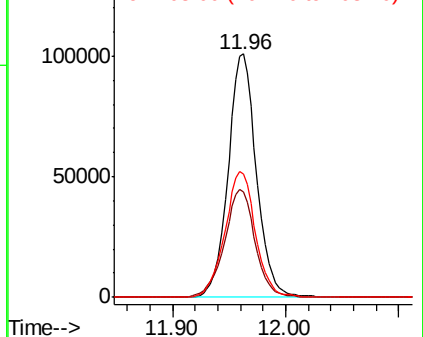
#69
Stvrene
Concen: 19.878 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Instrument :
MSVOA_N
ClientSampled :
VN0724WBS01

Tot Ion:104 Resp: 175461
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.8 44.7 67.1

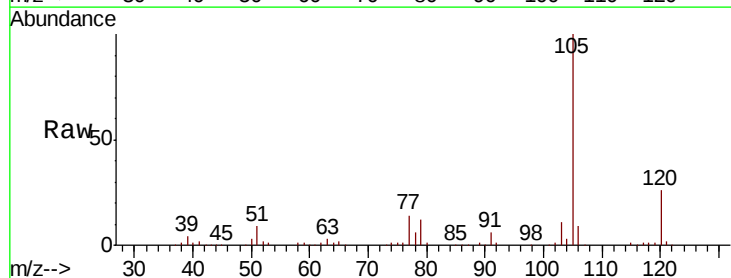


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

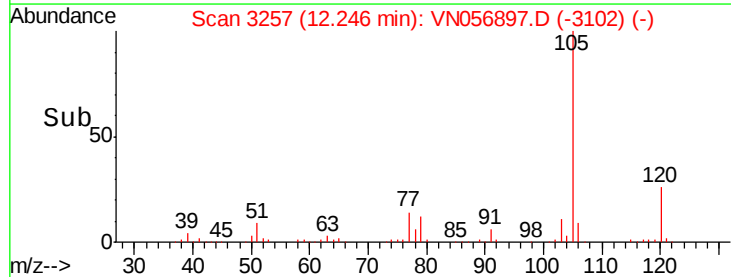
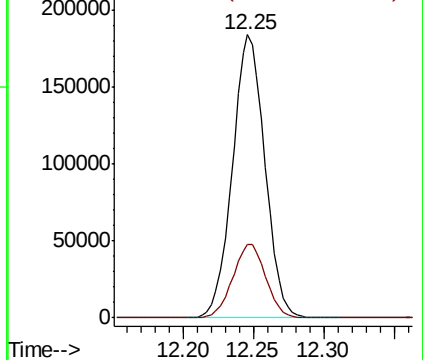


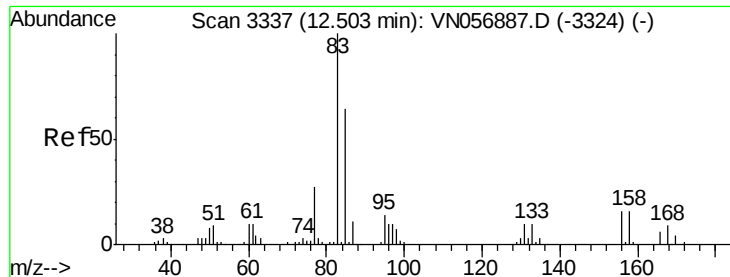
#70
Isopropylbenzene
Concen: 20.568 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion:105 Resp: 294999
Ion Ratio Lower Upper
105 100
120 26.5 18.7 34.7



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

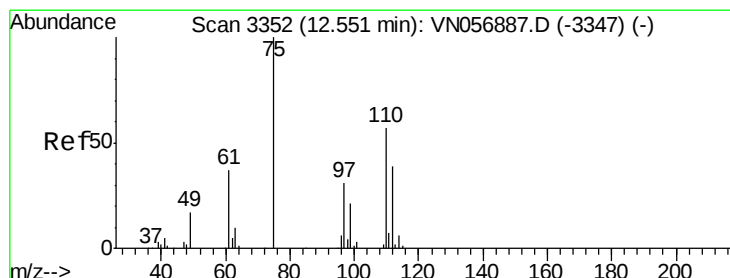
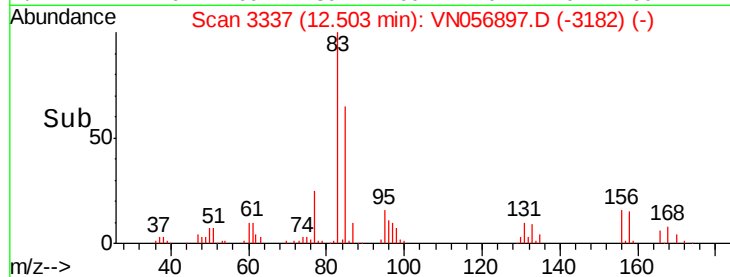
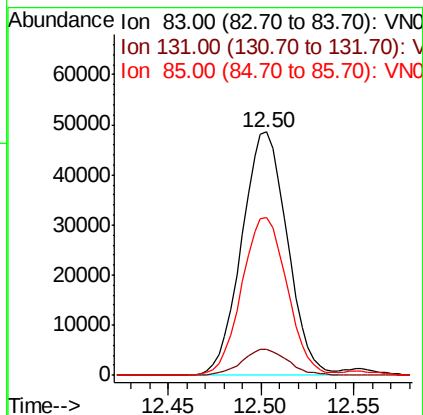
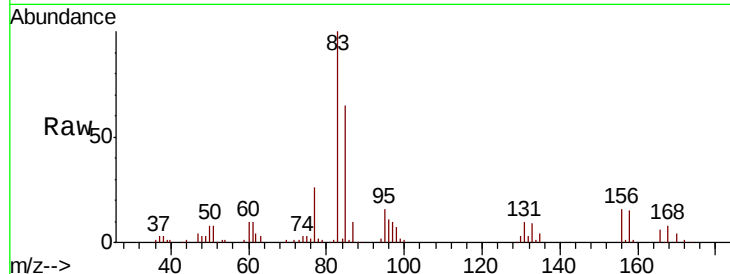




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.681 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

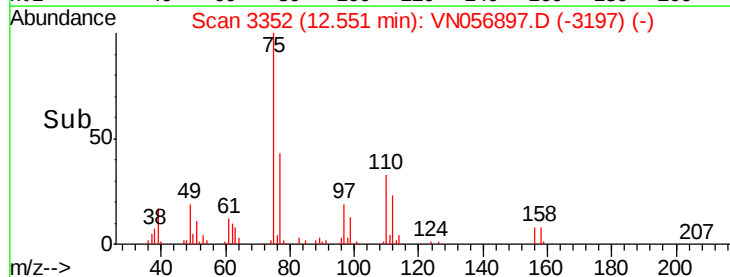
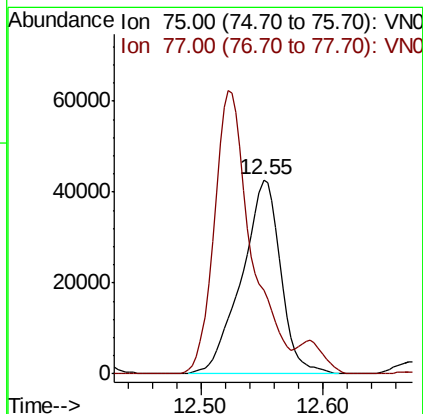
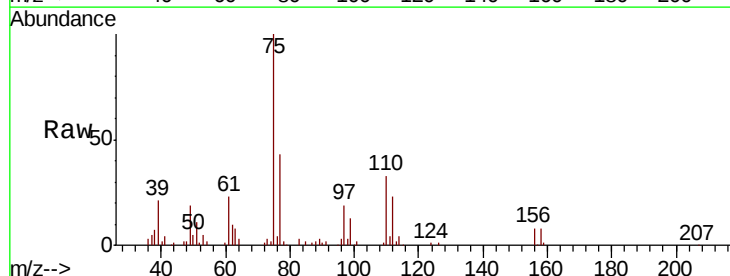
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

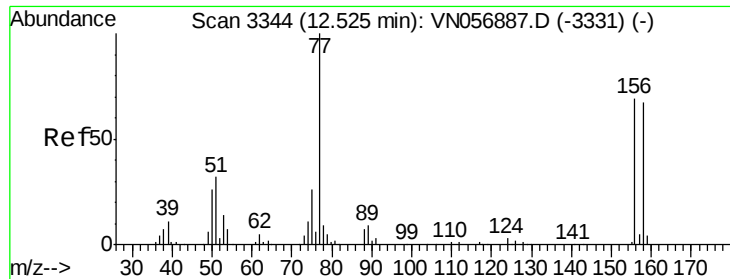
Tot Ion: 83 Resp: 83078
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.1 15.2
 85 64.6 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 26.674 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 75 Resp: 94277
 Ion Ratio Lower Upper
 75 100
 77 140.0 0.0 378.6





#73

Bromobenzene

Concen: 19.824 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

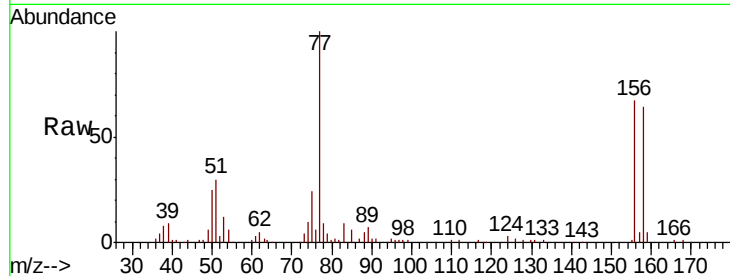
Tot Ion:156 Resp: 73368

Ion Ratio Lower Upper

156 100

77 179.8 0.0 364.6

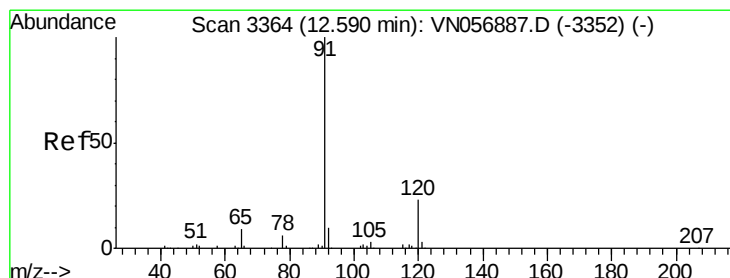
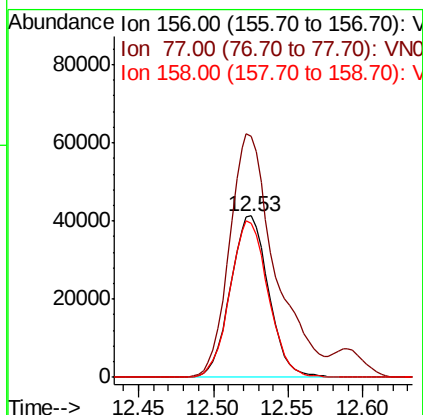
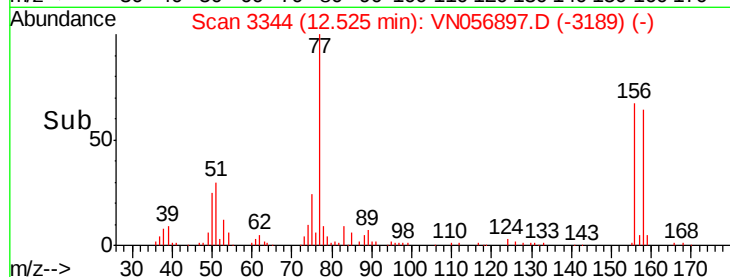
158 97.0 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.788 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056897.D

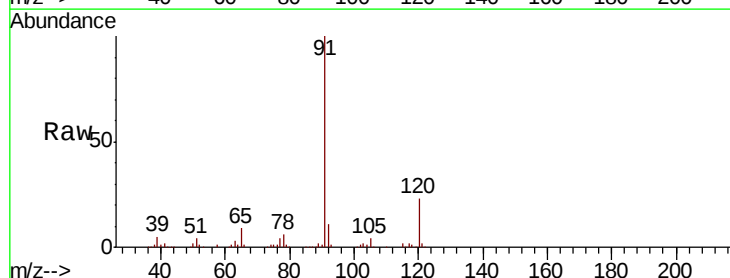
Acq: 24 Jul 2019 00:42

Tgt Ion: 91 Resp: 310317

Ion Ratio Lower Upper

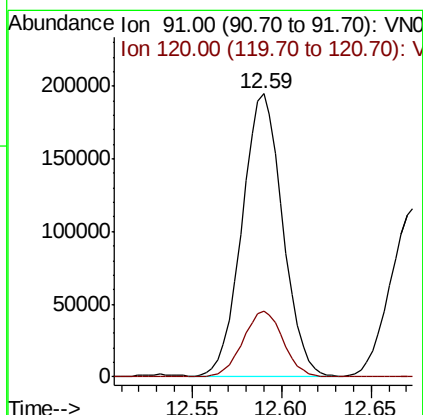
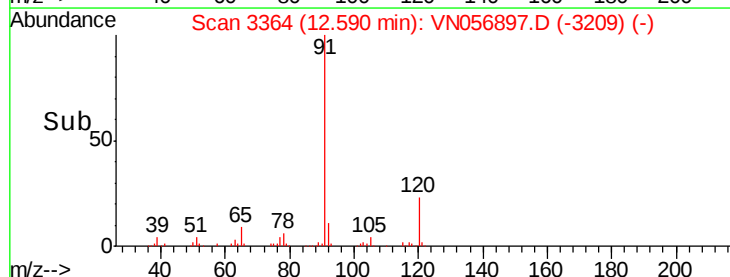
91 100

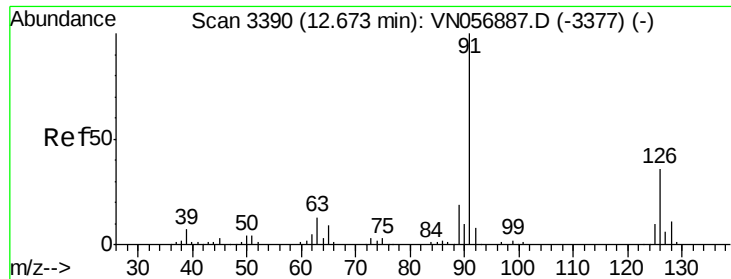
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.459 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

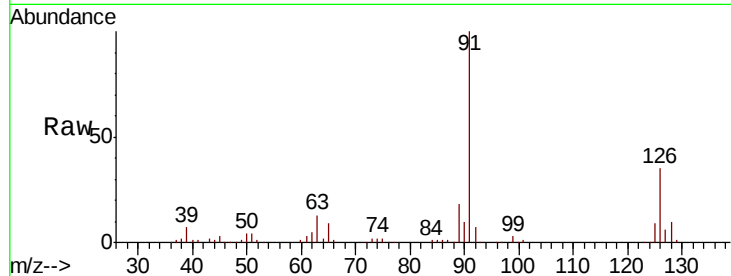
VN0724WBS01

Tot Ion: 91 Resp: 194520

Ion Ratio Lower Upper

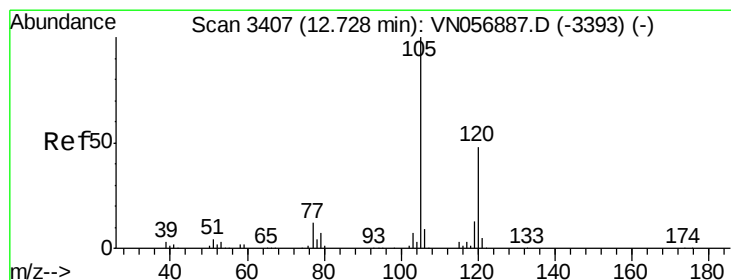
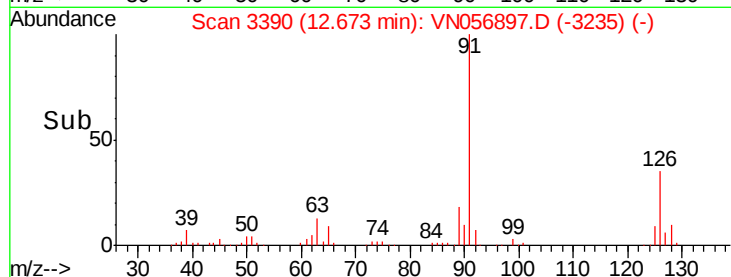
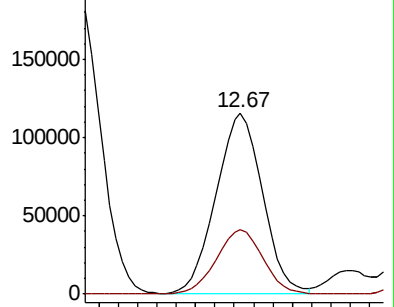
91 100

126 35.4 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.402 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056897.D

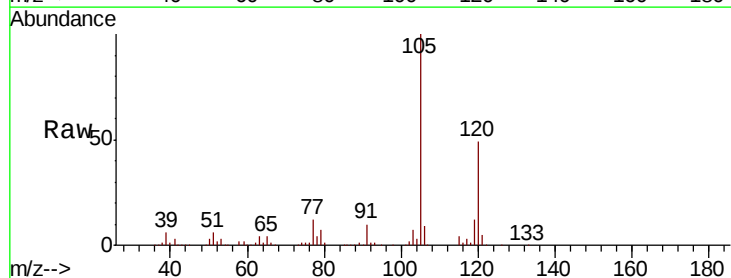
Acq: 24 Jul 2019 00:42

Tgt Ion: 105 Resp: 246331

Ion Ratio Lower Upper

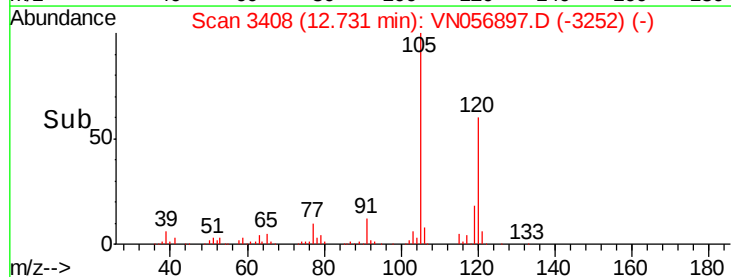
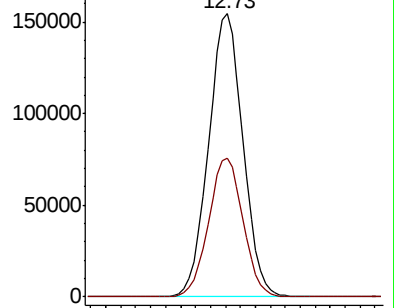
105 100

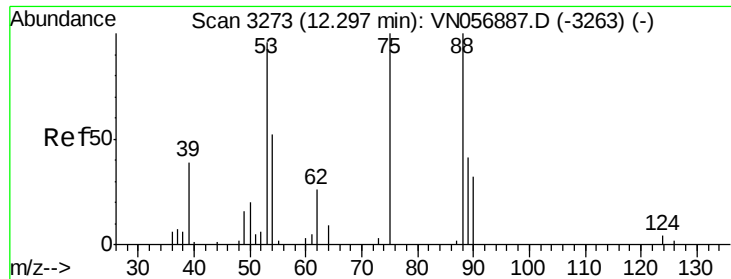
120 49.1 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.694 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampled :

VN0724WBS01

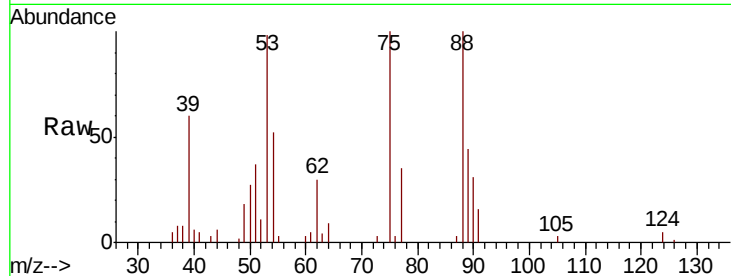
Tot Ion: 75 Resp: 17416

Ion Ratio Lower Upper

75 100

53 96.5 48.0 144.0

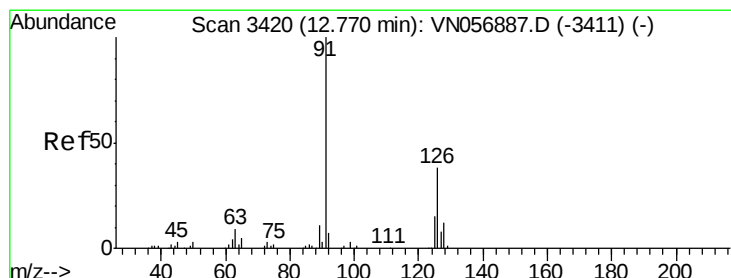
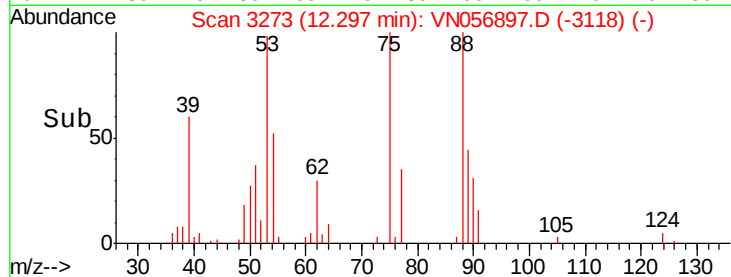
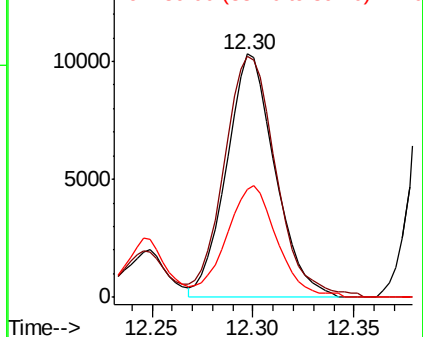
89 42.5 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.865 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056897.D

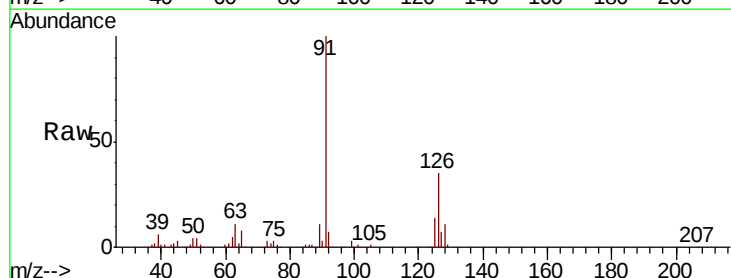
Acq: 24 Jul 2019 00:42

Tgt Ion: 91 Resp: 179532

Ion Ratio Lower Upper

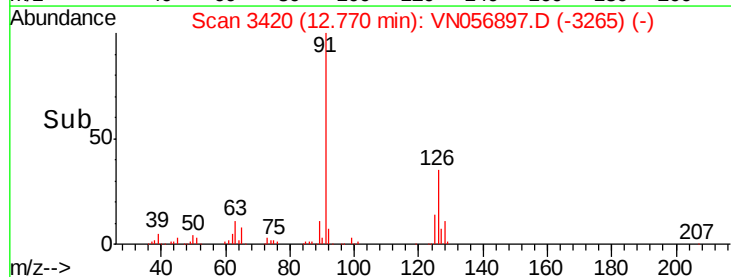
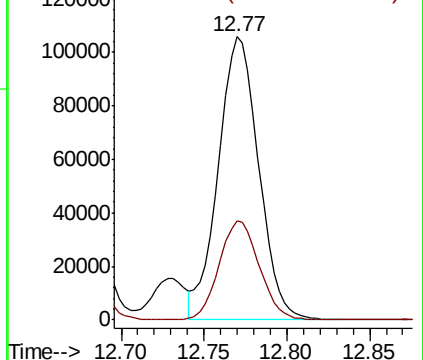
91 100

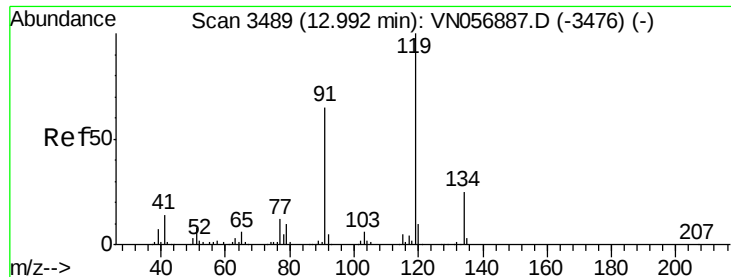
126 34.7 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

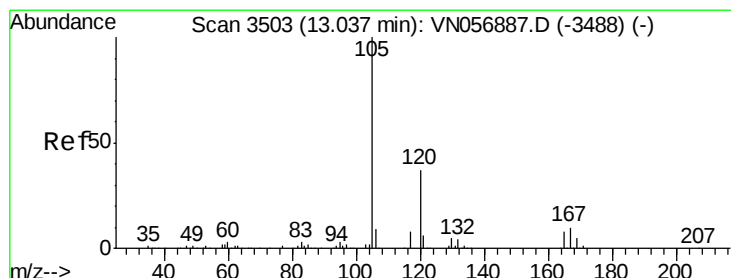
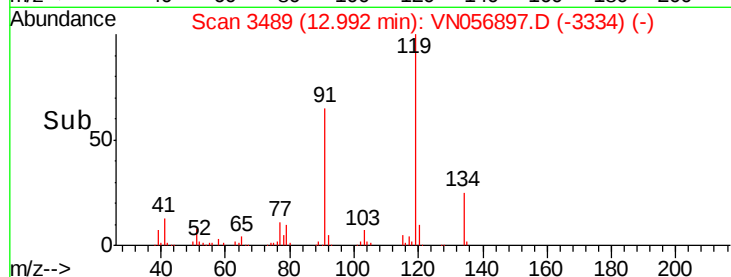
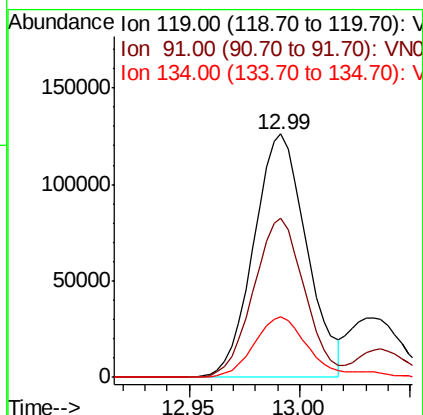
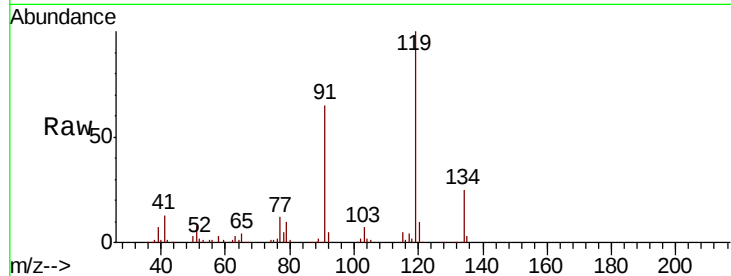




#79
tert-butylbenzene
Concen: 20.134 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

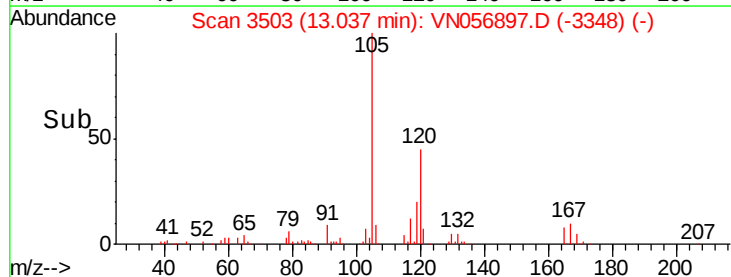
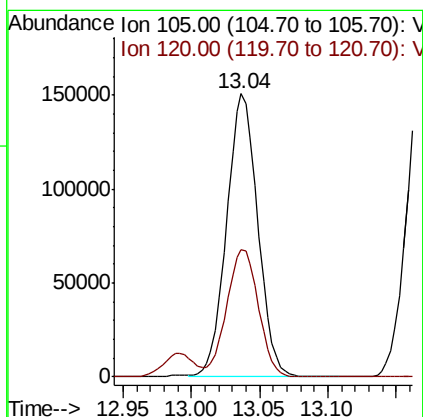
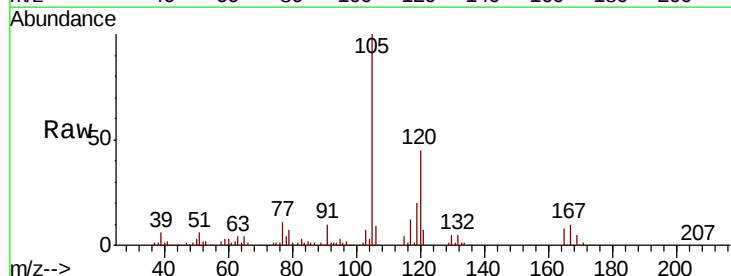
Instrument :
MSVOA_N
ClientSampleId :
VN0724WBS01

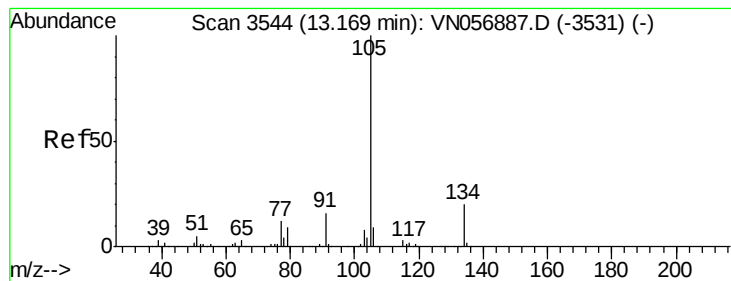
Tot Ion:119 Resp: 209783
Ion Ratio Lower Upper
119 100
91 63.5 0.0 126.8
134 26.5 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 20.322 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056897.D
Acq: 24 Jul 2019 00:42

Tgt Ion:105 Resp: 239203
Ion Ratio Lower Upper
105 100
120 46.0 0.0 90.6





#81

sec-Butylbenzene

Concen: 19.728 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

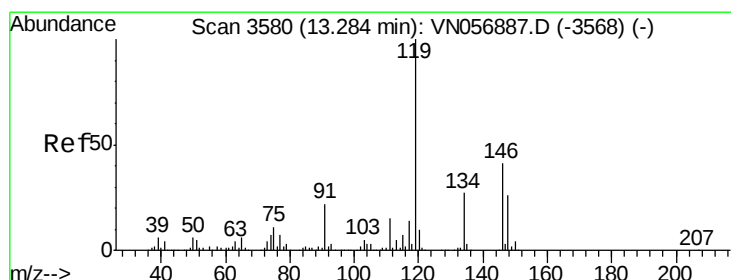
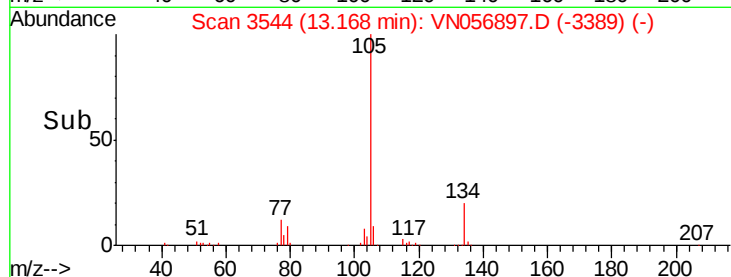
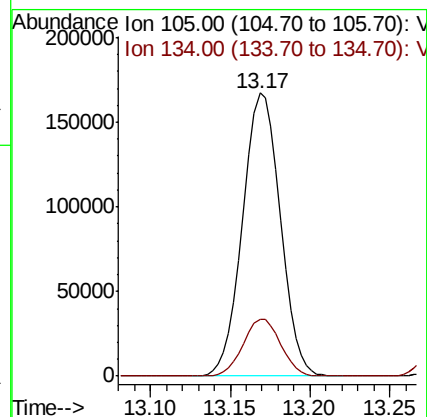
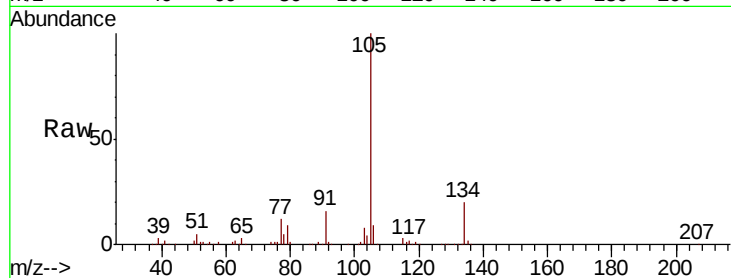
VN0724WBS01

Tot Ion:105 Resp: 268350

Ion Ratio Lower Upper

105 100

134 20.1 0.0 41.2



#82

p-Isopropyltoluene

Concen: 19.653 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

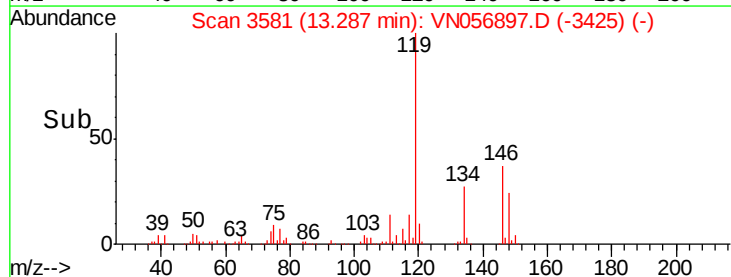
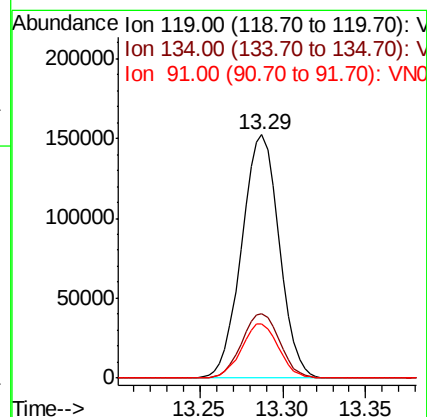
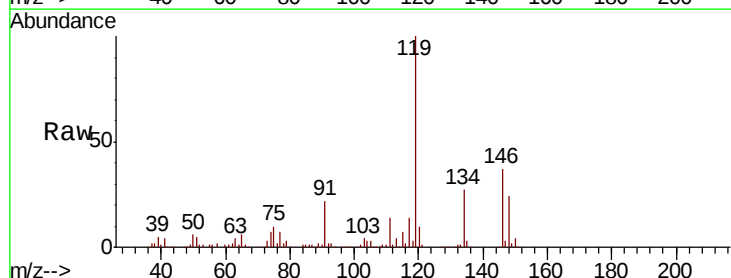
Tgt Ion:119 Resp: 240093

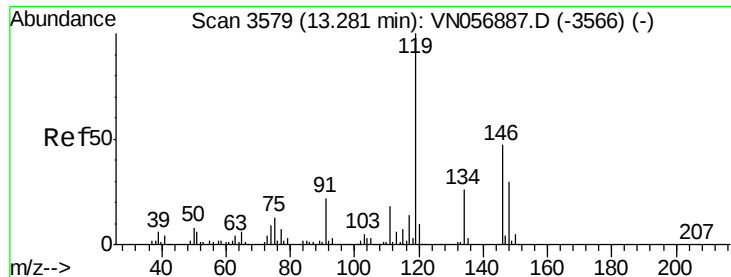
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.1 0.0 44.0

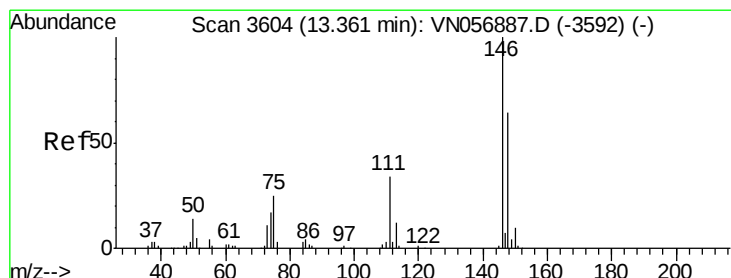
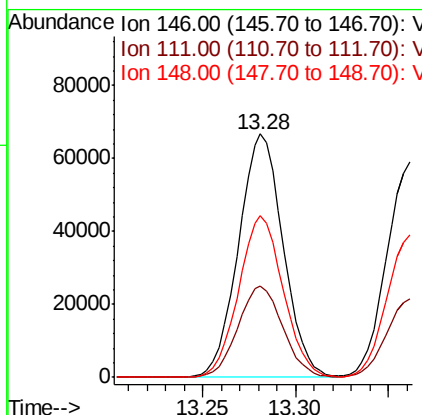
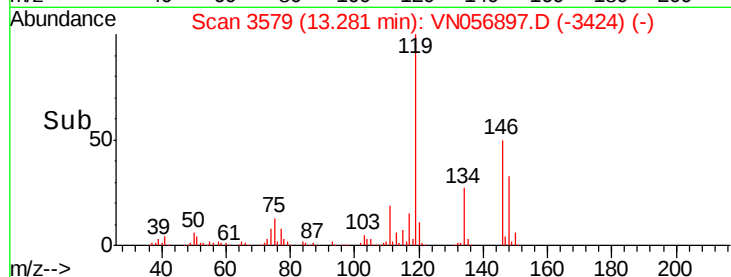
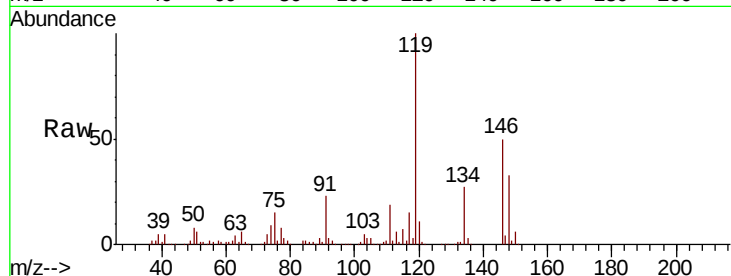




#83
 1,3-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

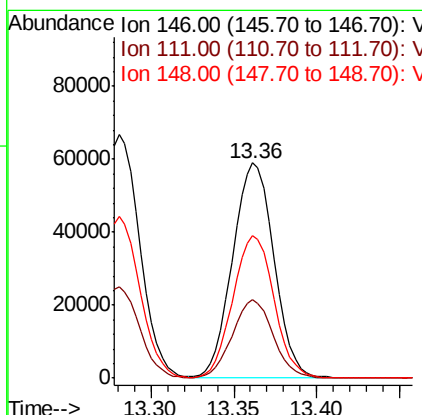
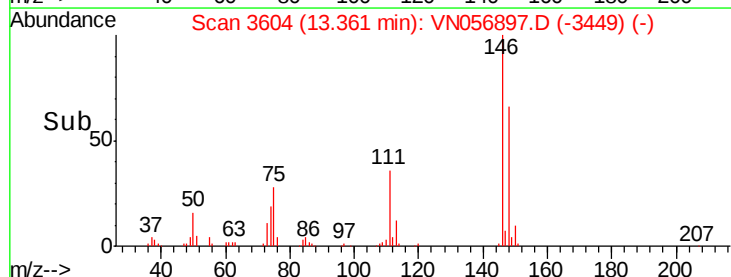
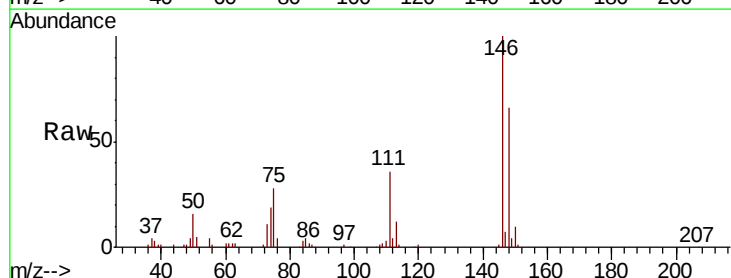
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

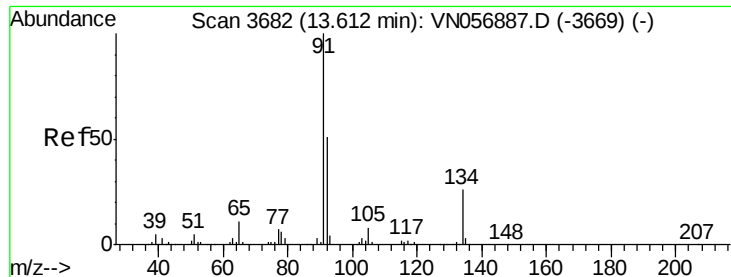
Tot Ion:146 Resp: 111255
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 66.1 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.616 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion:146 Resp: 102564
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.8 53.5
 148 65.7 32.6 97.7





#85

n-Butylbenzene

Concen: 18.292 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampled :

VN0724WBS01

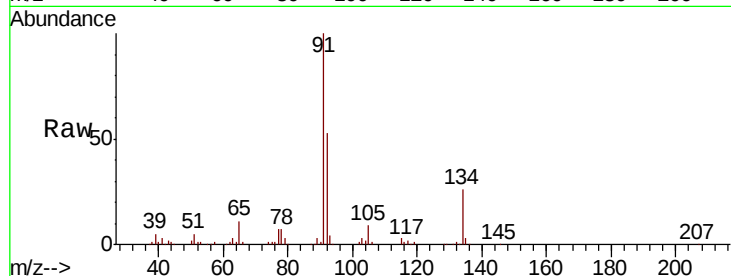
Tot Ion: 91 Resp: 175471

Ion Ratio Lower Upper

91 100

92 51.6 0.0 101.8

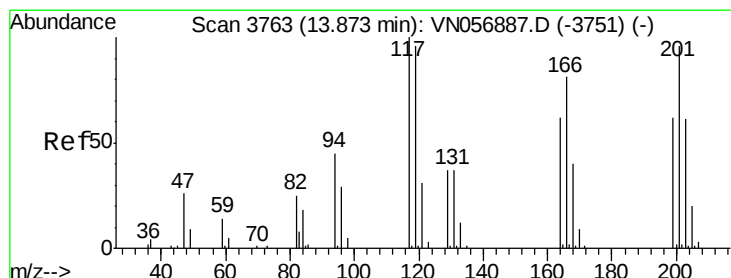
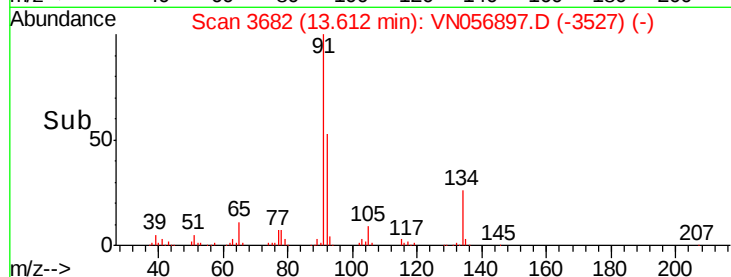
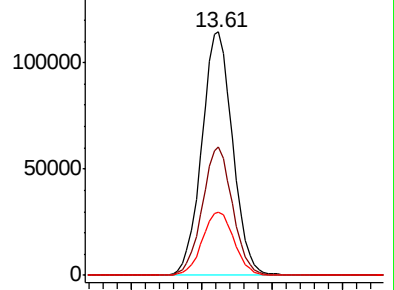
134 26.7 0.0 52.4



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

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

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



#86

Hexachloroethane

Concen: 19.275 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056897.D

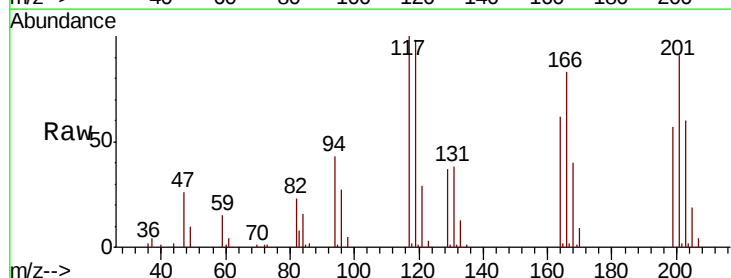
Acq: 24 Jul 2019 00:42

Tgt Ion: 117 Resp: 39408

Ion Ratio Lower Upper

117 100

201 93.2 47.8 143.3



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

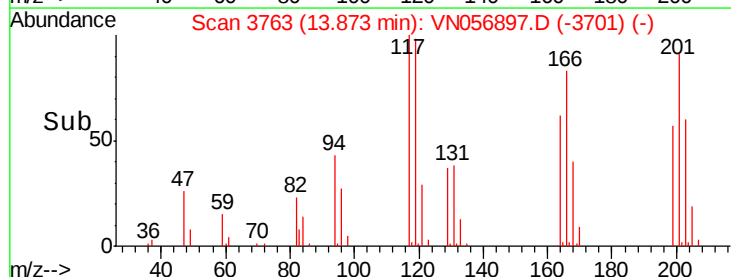
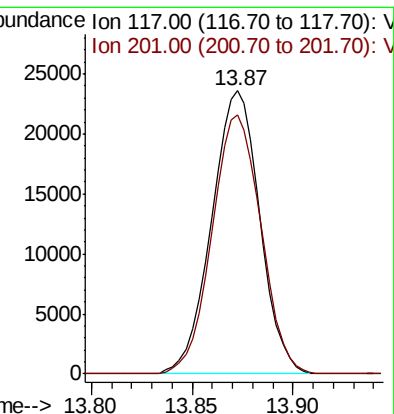
Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

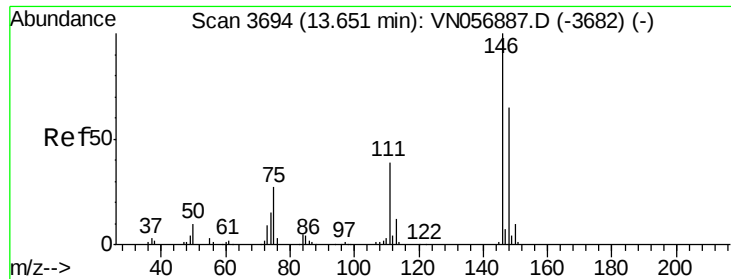
Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

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

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

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

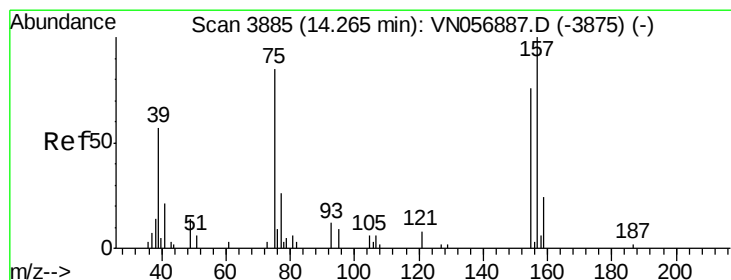
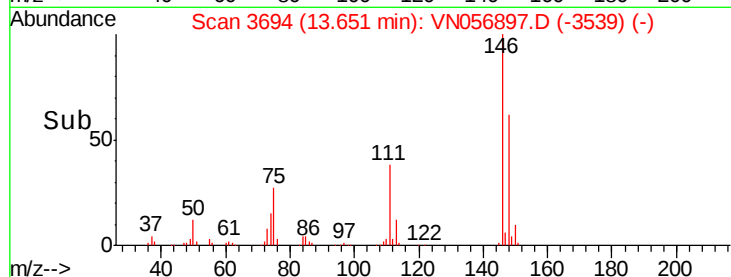
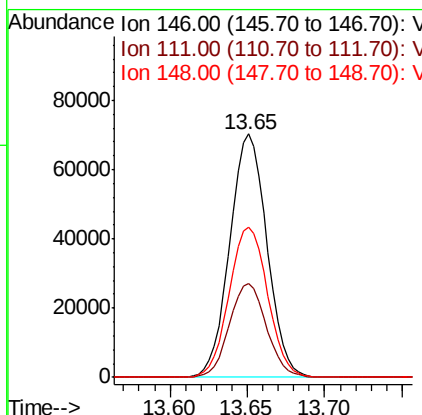
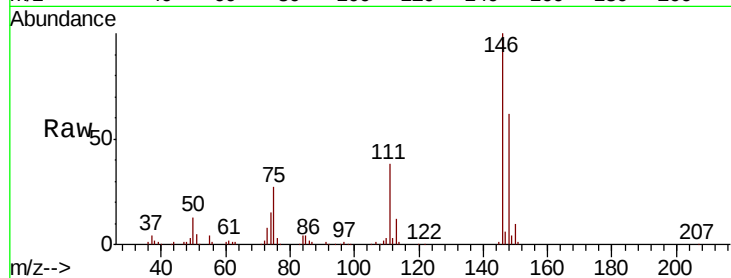




#87
 1,2-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

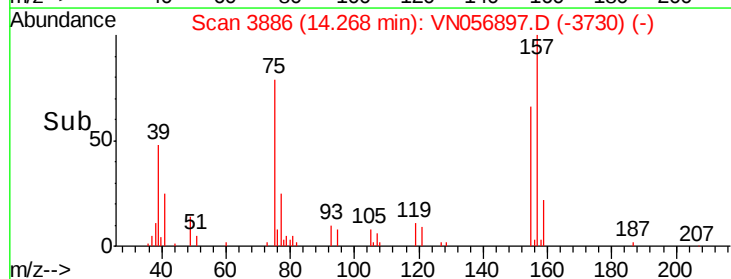
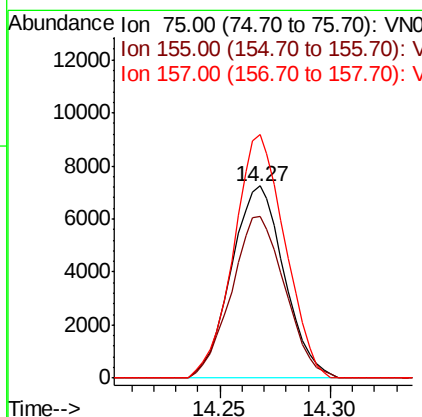
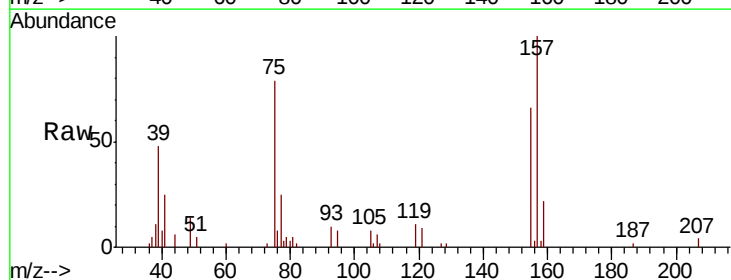
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

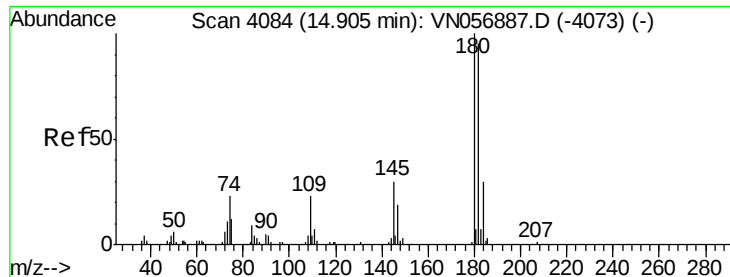
Tot Ion:146 Resp: 117217
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.8
 148 64.0 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.411 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion: 75 Resp: 12063
 Ion Ratio Lower Upper
 75 100
 155 84.9 73.4 110.2
 157 122.3 95.0 142.6

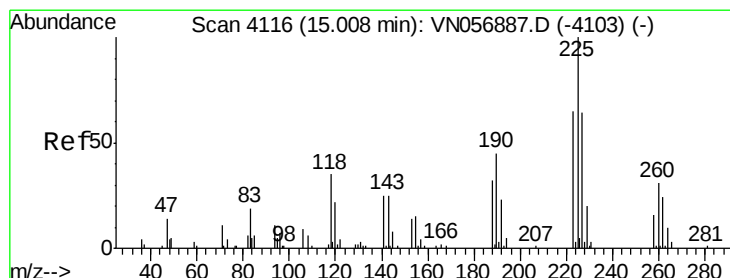
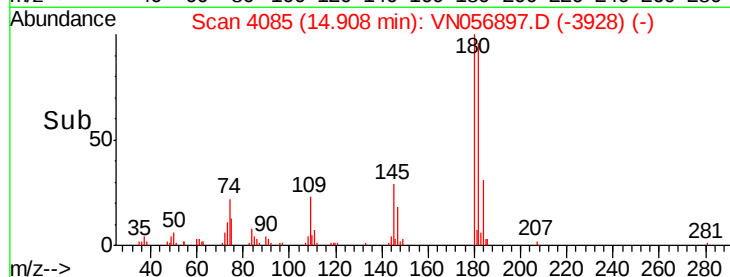
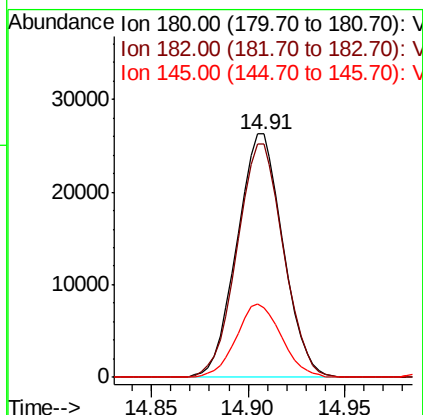
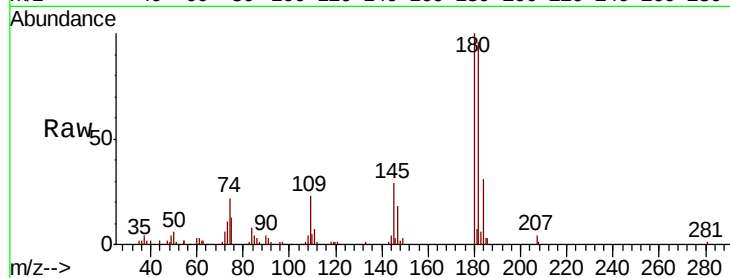




#89
 1,2,4-Trichlorobenzene
 Concen: 18.923 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

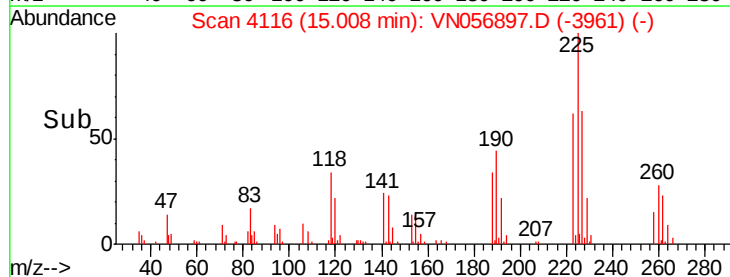
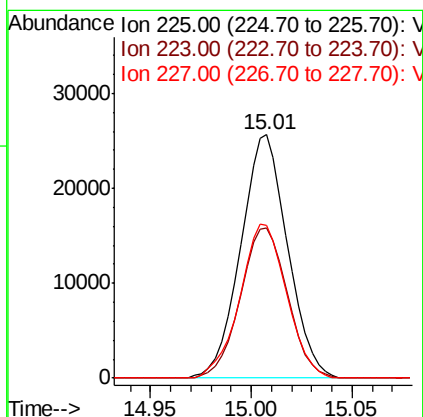
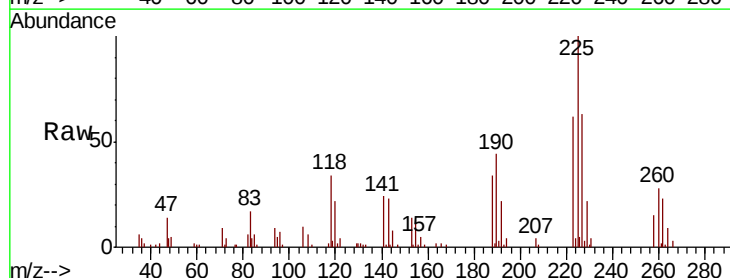
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

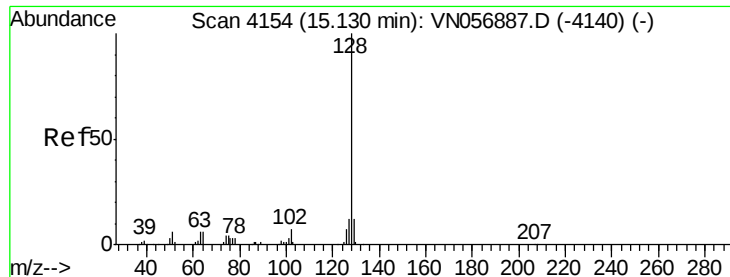
Tot Ion:180 Resp: 43476
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.0 115.4
 145 29.7 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 19.578 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056897.D
 Acq: 24 Jul 2019 00:42

Tgt Ion:225 Resp: 41651
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 130.0
 227 63.0 0.0 127.2





#91

Naphthalene

Concen: 18.364 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBS01

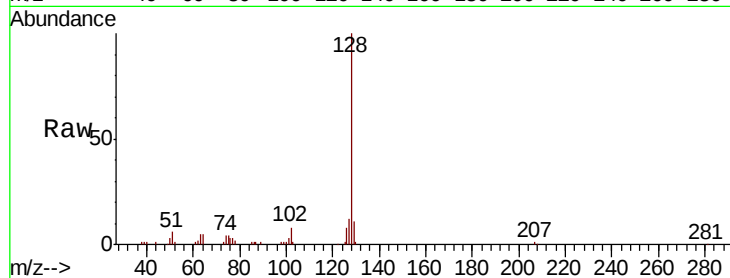
Tot Ion:128 Resp: 109343

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

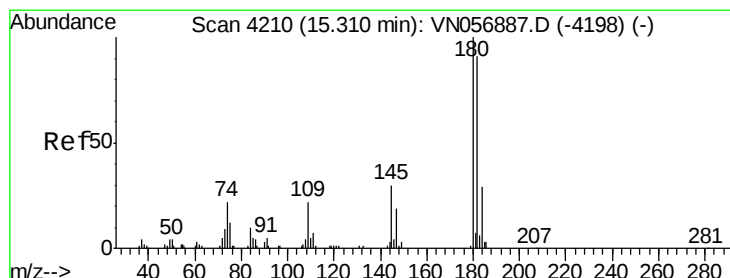
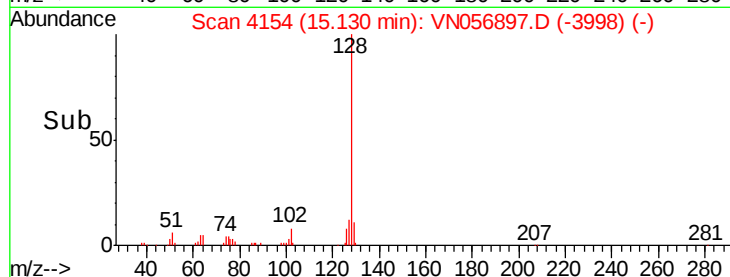
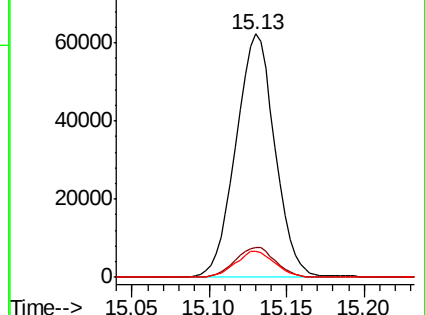
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.681 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056897.D

Acq: 24 Jul 2019 00:42

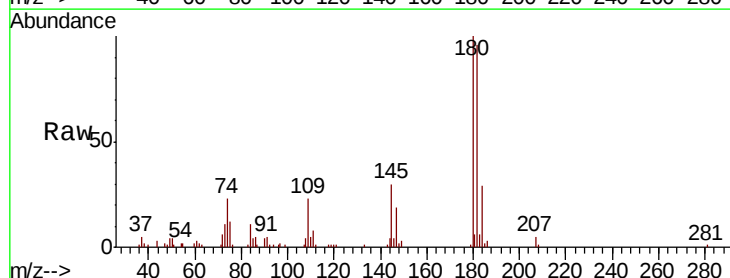
Tgt Ion:180 Resp: 51040

Ion Ratio Lower Upper

180 100

182 95.8 0.0 188.0

145 30.1 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

