

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056627.D
 Acq On : 9 Jul 2019 14:06
 Operator : JC/SP
 Sample : VN0709WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Quant Time: Jul 10 01:27:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	52587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	294011	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	258203	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111630	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	120347	30.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.10%
63) Toluene-d8	10.09	98	360028	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	51292	19.450 ug/l	99
3) Chloromethane	2.06	50	69804	18.238 ug/l	100
4) Vinyl Chloride	2.18	62	70670	19.618 ug/l	98
5) Bromomethane	2.53	94	29002	15.089 ug/l	95
6) Chloroethane	2.68	64	39914	20.008 ug/l	97
7) Trichlorofluoromethane	3.00	101	91198	19.723 ug/l	99
8) Diethyl Ether	3.41	74	37839	19.292 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	57574	19.651 ug/l	94
10) 1,1-Dichloroethene	3.73	96	55304	19.239 ug/l	95
11) Methyl Iodide	3.95	142	36062	8.773 ug/l	99
12) Methyl Acetate	4.33	43	75129	19.380 ug/l	99
13) Acrolein	3.60	56	27735	73.276 ug/l	98
14) Acrylonitrile	4.99	53	161864	95.093 ug/l	97
15) Acetone	3.82	58	49031	103.238 ug/l	93
16) Carbon Disulfide	4.05	76	132348	19.148 ug/l	96
17) Allyl chloride	4.32	41	94401	18.766 ug/l	98
18) Methylene Chloride	4.55	84	67691	19.917 ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	59467	19.073 ug/l	92
20) Diisopropyl ether	5.95	45	203325	19.564 ug/l	98
21) 1,1-Dichloroethane	5.85	63	111972	19.099 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	71239	19.431 ug/l	97
23) tert-Butyl Alcohol	4.79	59	53778	84.459 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	185180	19.477 ug/l	100
25) Chloroform	7.37	83	111348	19.377 ug/l	98
26) Cyclohexane	7.65	56	101962	18.882 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	83490	19.230 ug/l	97
30) 2-Butanone	6.84	43	221120	91.871 ug/l	97
31) 2,2-Dichloropropane	6.82	77	75183	18.010 ug/l	# 71
32) 1,1,1-Trichloroethane	7.57	97	88657	19.155 ug/l	99
33) Carbon Tetrachloride	7.77	117	73950	18.848 ug/l	98
34) Benzene	8.04	78	260624	19.197 ug/l	96
35) Methacrylonitrile	7.18	41	42812	20.029 ug/l	89
36) 1,2-Dichloroethane	8.12	62	85392	19.352 ug/l	98
37) Trichloroethene	8.84	130	68514	19.350 ug/l	97
38) Methylcyclohexane	9.08	83	101563	18.666 ug/l	98
39) 1,2-Dichloropropane	9.12	63	70004	19.155 ug/l	96
40) Dibromomethane	9.21	93	44247	19.586 ug/l	94

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Instrument :
 MSVOA_N
 ClientSampleID :
 VN0709WBSD01

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	79964	19.098	ug/l	100
42) Vinyl Acetate	5.90	43	824682	96.229	ug/l	98
43) Ethyl Acetate	6.93	43	82904	17.806	ug/l #	80
44) Isopropyl Acetate	8.17	43	138568	19.076	ug/l #	86
45) 1,4-Dioxane	9.20	88	25053	352.479	ug/l #	88
46) Methyl methacrylate	9.20	41	67068	18.791	ug/l	95
47) n-amyl Acetate	12.07	43	112216	18.585	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	84444	18.818	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	97034	18.748	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65589	19.708	ug/l	97
51) Ethyl methacrylate	10.43	69	98525	18.797	ug/l	96
52) 1,3-Dichloropropane	10.71	76	109431	19.350	ug/l	99
53) Dibromochloromethane	10.90	129	63556	19.484	ug/l	96
54) 1,2-Dibromoethane	11.00	107	65932	19.013	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	231560	86.697	ug/l	98
56) Bromoform	12.13	173	43421	18.319	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	447851	96.469	ug/l	96
59) 2-Hexanone	10.75	43	318099	92.339	ug/l	99
61) Tetrachloroethene	10.63	164	64980	20.051	ug/l	98
62) Toluene	10.16	91	277346	19.246	ug/l	98
64) Chlorobenzene	11.43	112	165515	19.065	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61110	19.545	ug/l	98
66) Ethyl Benzene	11.51	91	295437	18.908	ug/l	100
67) m/p-Xylenes	11.62	106	227168	39.396	ug/l	97
68) o-Xylene	11.95	106	111234	19.506	ug/l	97
69) Styrene	11.96	104	178908	18.856	ug/l	98
70) Isopropylbenzene	12.25	105	290487	19.524	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	95688	19.453	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	111530	26.962	ug/l	65
73) Bromobenzene	12.53	156	73309	19.104	ug/l	91
74) n-propylbenzene	12.59	91	324633	19.231	ug/l	97
75) 2-Chlorotoluene	12.67	91	195595	19.378	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	245706	19.502	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	22461	16.952	ug/l	97
78) 4-Chlorotoluene	12.77	91	187660	19.116	ug/l	98
79) tert-butylbenzene	12.99	119	209021	19.417	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	244396	19.640	ug/l	98
81) sec-Butylbenzene	13.17	105	276452	19.367	ug/l	98
82) p-Isopropyltoluene	13.29	119	252596	19.681	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121712	19.100	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	117001	19.033	ug/l	98
85) n-Butylbenzene	13.61	91	204553	18.965	ug/l	98
86) Hexachloroethane	13.87	117	36511	18.867	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	126858	19.603	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15400	17.472	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	61296	17.137	ug/l	98
90) Hexachlorobutadiene	15.01	225	41296	18.583	ug/l	99
91) Naphthalene	15.13	128	164322	16.370	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	65028	17.318	ug/l	99

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Instrument :
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VN0709WBSD01

Quant Time: Jul 10 01:27:34 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

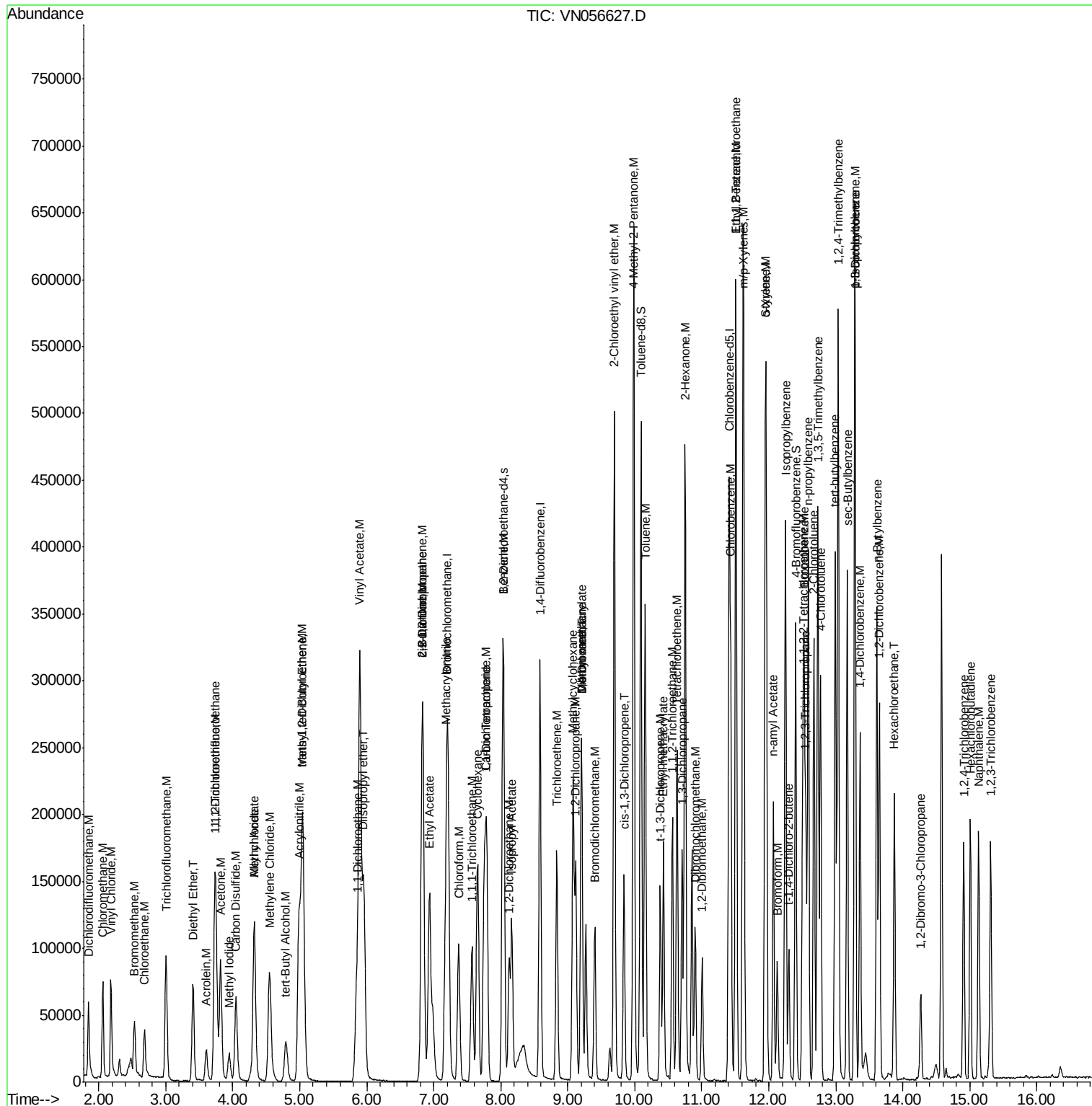
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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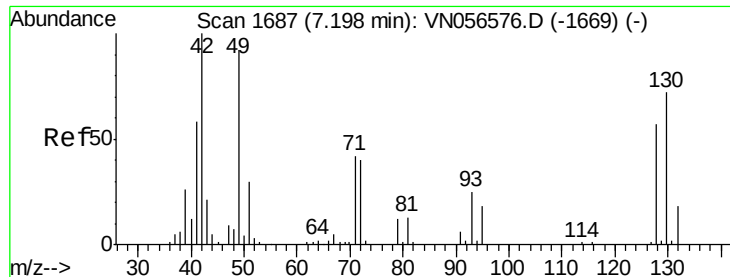
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Quant Time: Jul 10 01:27:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

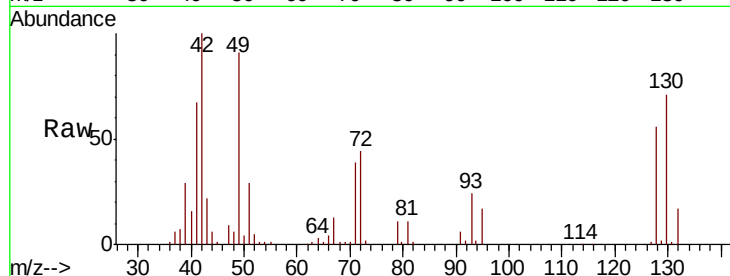
Tot Ion:128 Resp: 52587

Ion Ratio Lower Upper

128 100

49 164.6 0.0 355.8

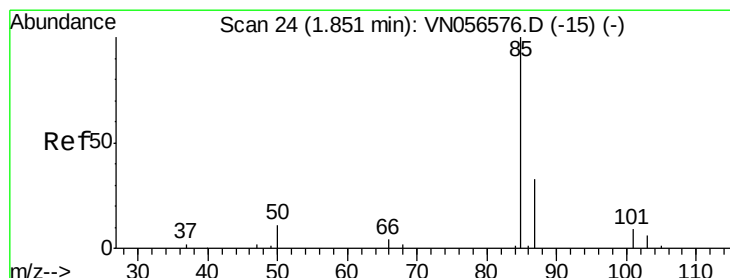
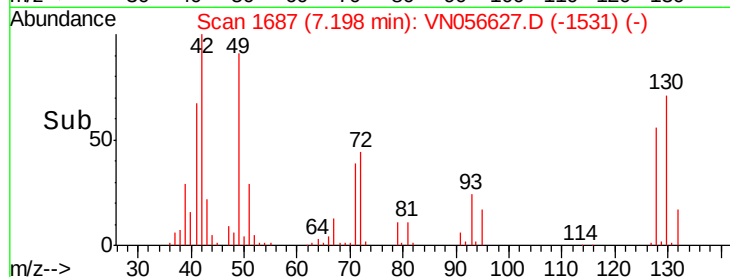
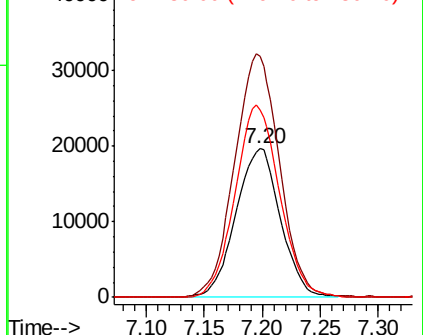
130 129.1 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.450 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056627.D

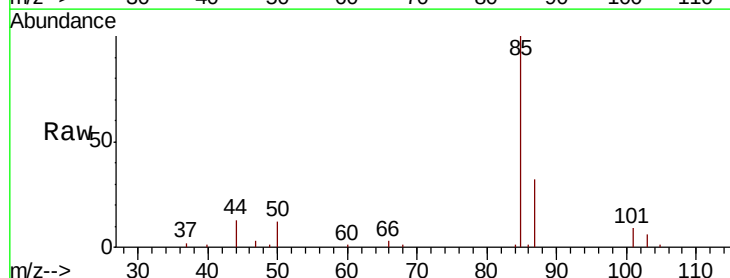
Acq: 9 Jul 2019 14:06

Tgt Ion: 85 Resp: 51292

Ion Ratio Lower Upper

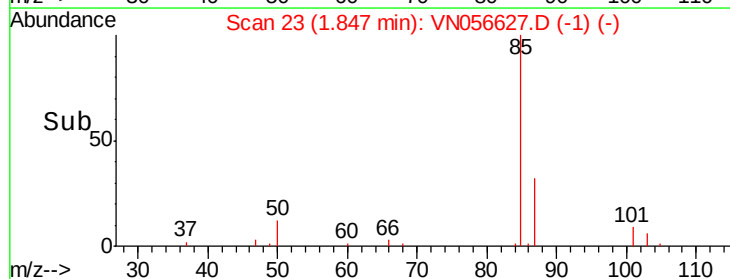
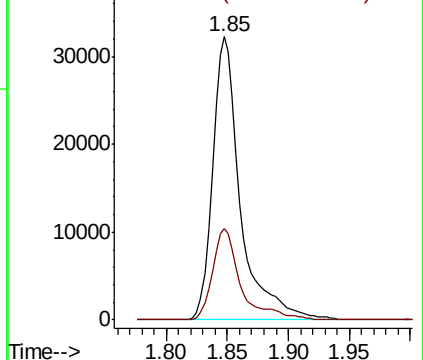
85 100

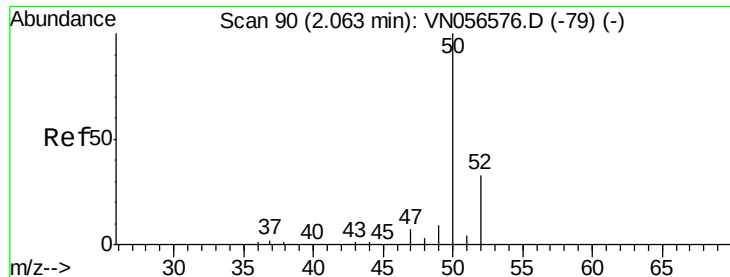
87 32.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.238 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

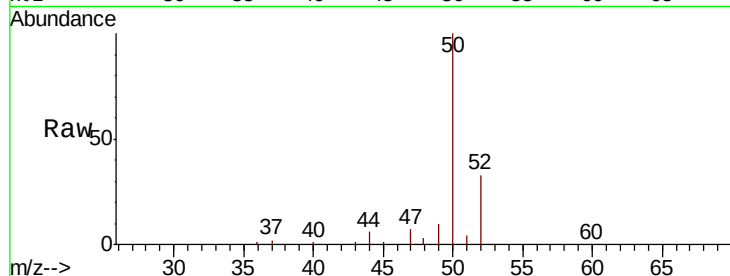
VN0709WBSD01

Tot Ion: 50 Resp: 69804

Ion Ratio Lower Upper

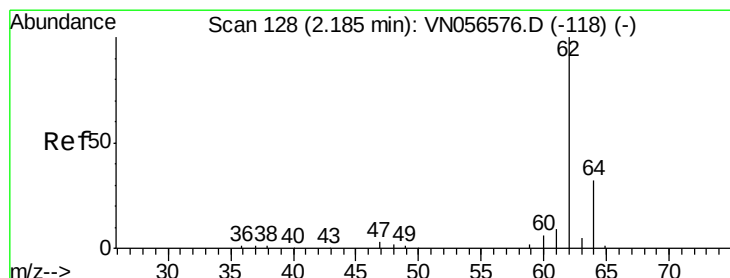
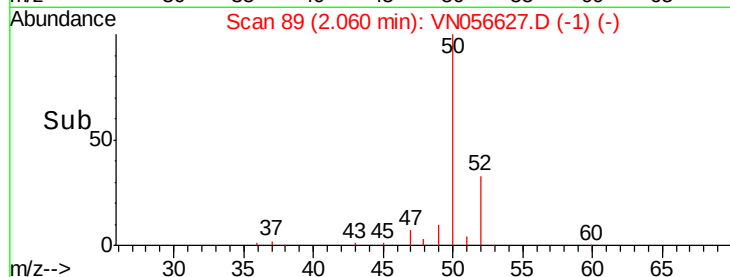
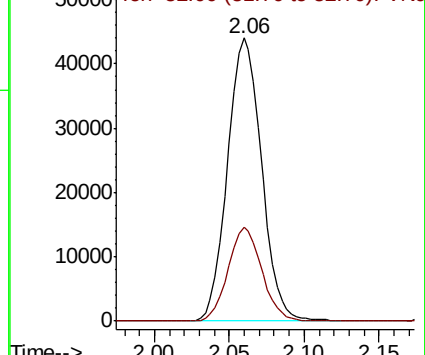
50 100

52 33.2 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.618 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056627.D

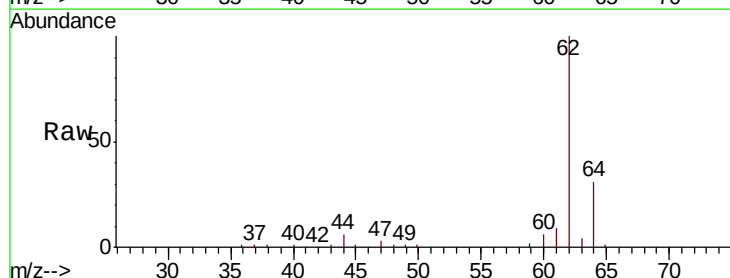
Acq: 9 Jul 2019 14:06

Tgt Ion: 62 Resp: 70670

Ion Ratio Lower Upper

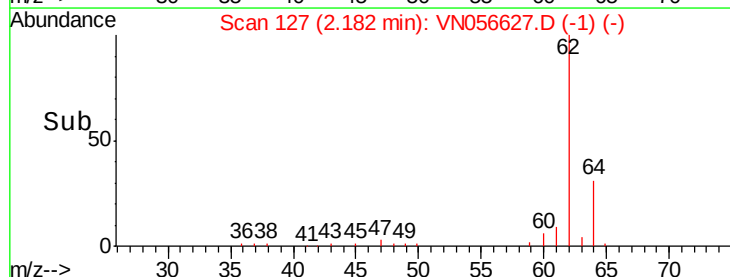
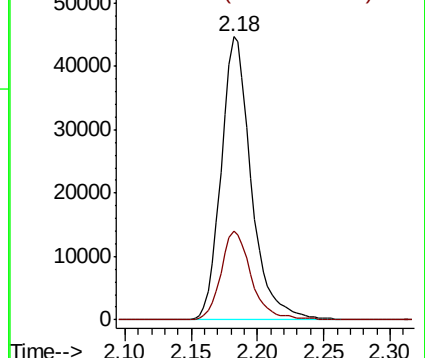
62 100

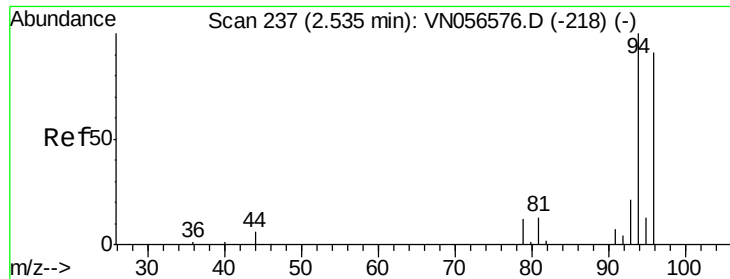
64 31.3 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

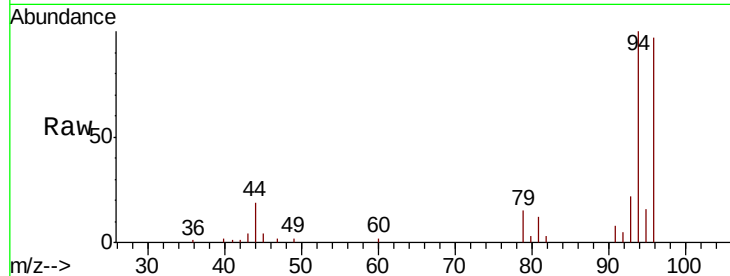




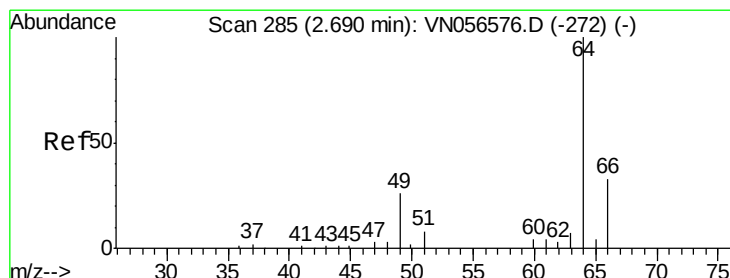
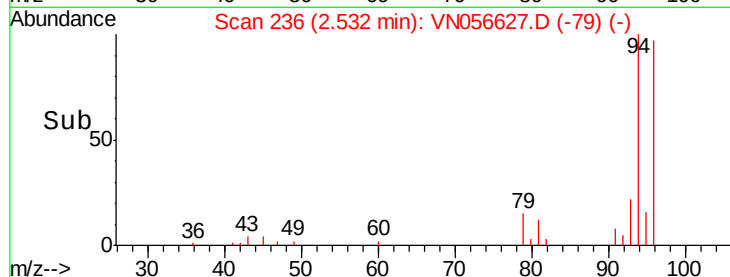
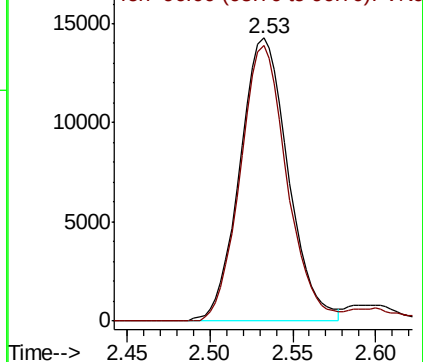
#5
Bromomethane
Concen: 15.089 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion: 94 Resp: 29002
Ion Ratio Lower Upper
94 100
96 97.2 74.1 111.1

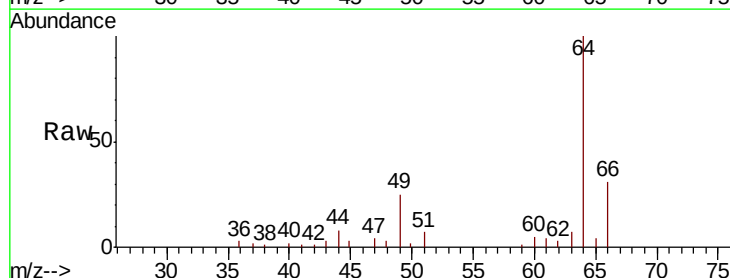


Abundance Ion 94.00 (93.70 to 94.70): VN0
Ion 96.00 (95.70 to 96.70): VN0

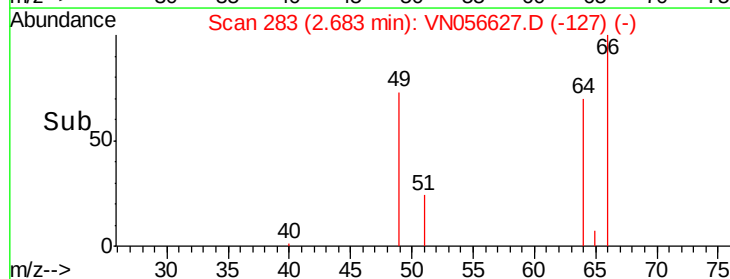
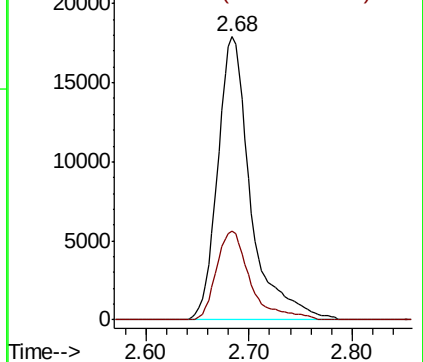


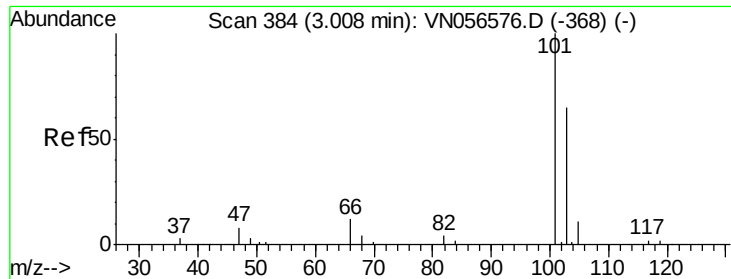
#6
Chloroethane
Concen: 20.008 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 64 Resp: 39914
Ion Ratio Lower Upper
64 100
66 31.3 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0
Ion 66.00 (65.70 to 66.70): VN0



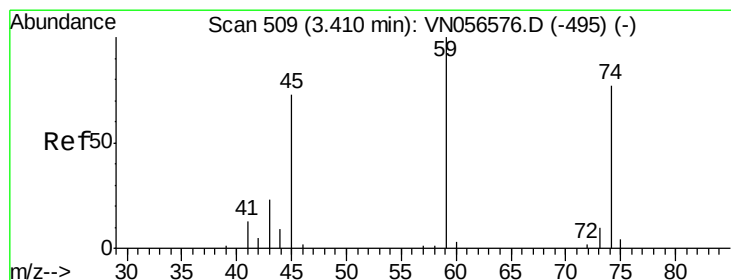
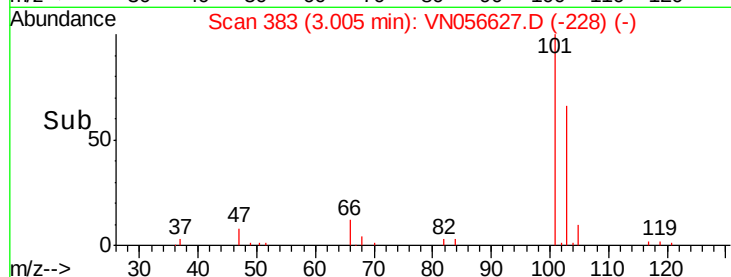
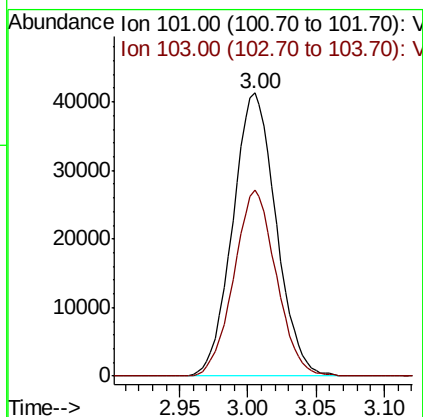
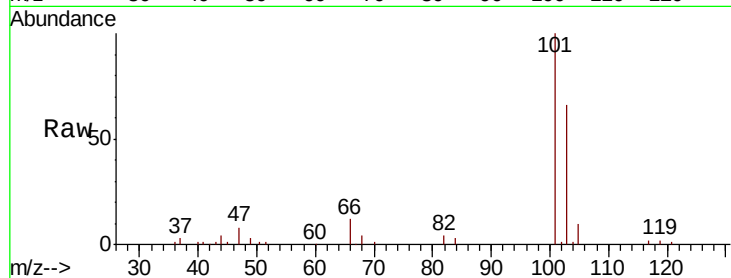


#7

Trichlorofluoromethane
 Concen: 19.723 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

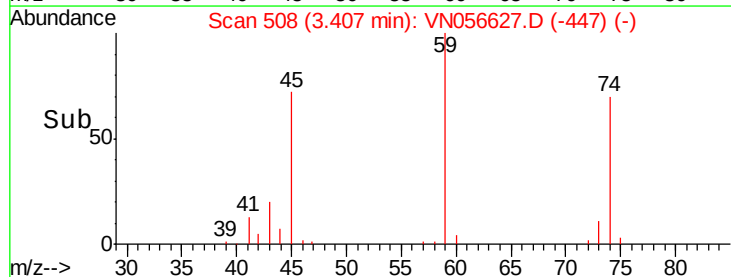
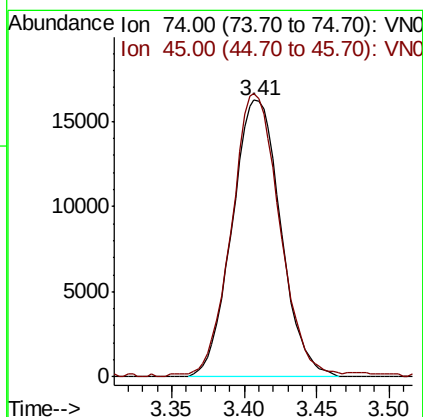
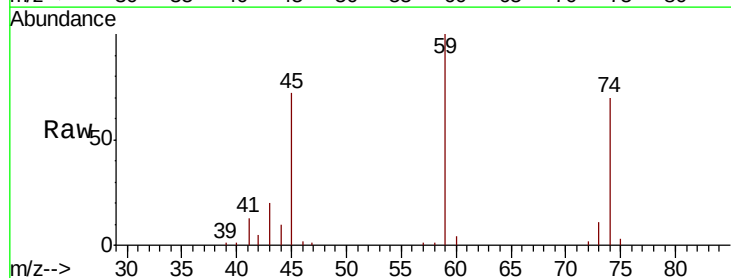
Tot Ion:101 Resp: 91198
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.4 80.0

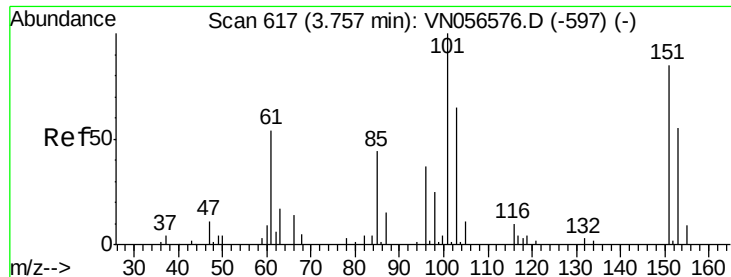


#8

Diethyl Ether
 Concen: 19.292 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 74 Resp: 37839
 Ion Ratio Lower Upper
 74 100
 45 101.6 18.8 169.6

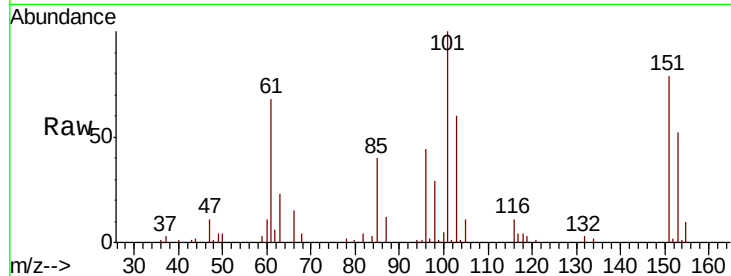




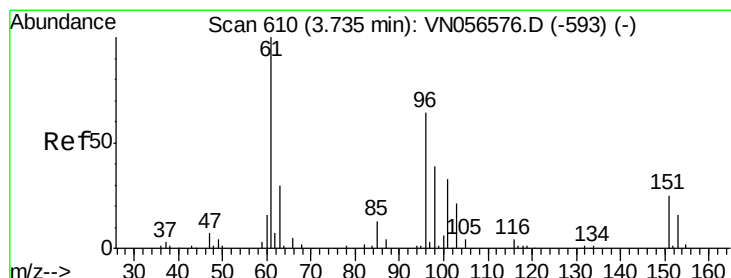
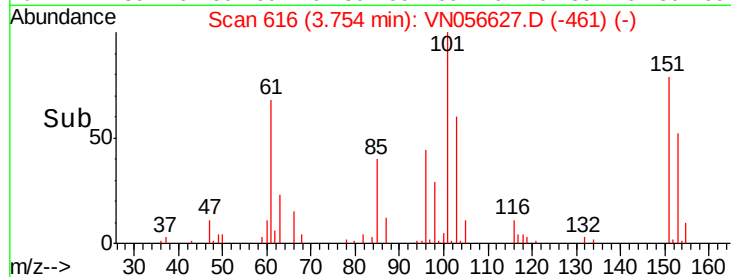
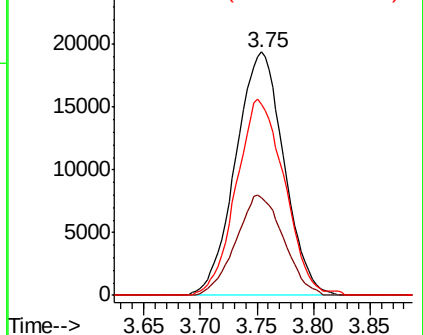
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.651 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0709WBSD01

Tot Ion:101 Resp: 57574
 Ion Ratio Lower Upper
 101 100
 85 40.6 0.0 82.0
 151 80.3 0.0 177.0

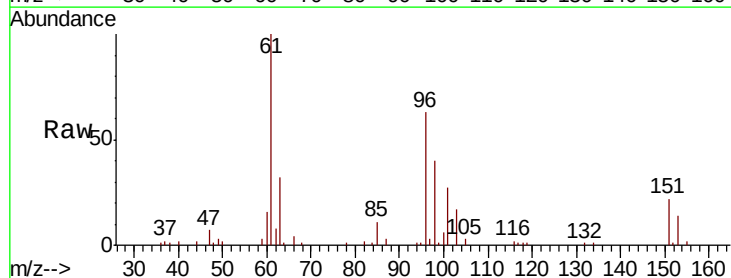


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

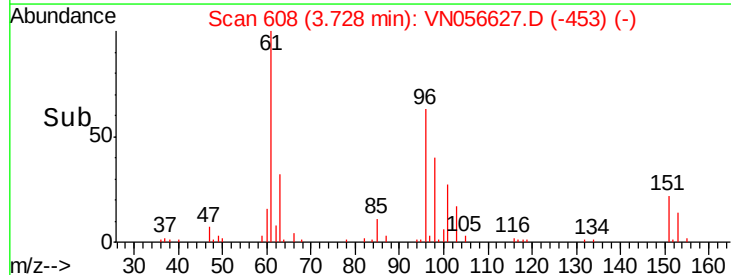
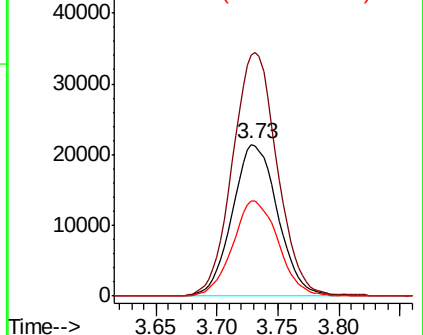


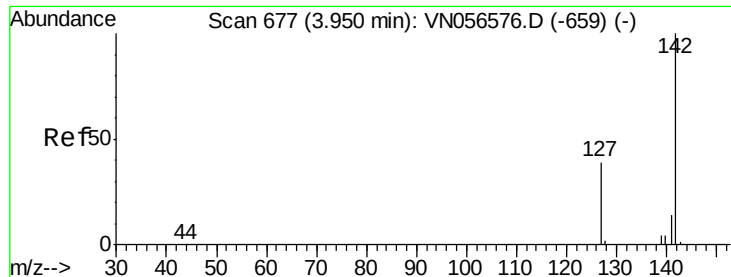
#10
 1,1-Dichloroethene
 Concen: 19.239 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 96 Resp: 55304
 Ion Ratio Lower Upper
 96 100
 61 157.7 119.7 179.5
 98 62.8 52.3 78.5



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

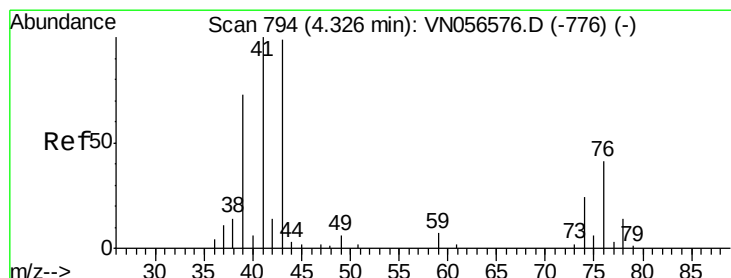
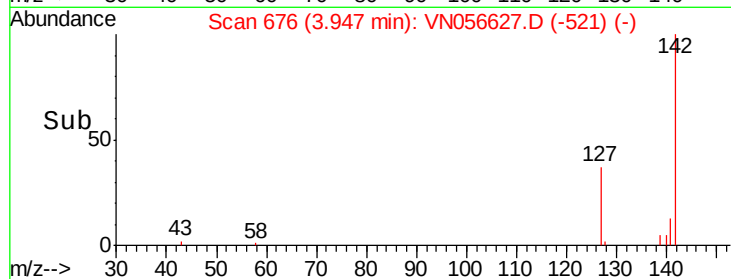
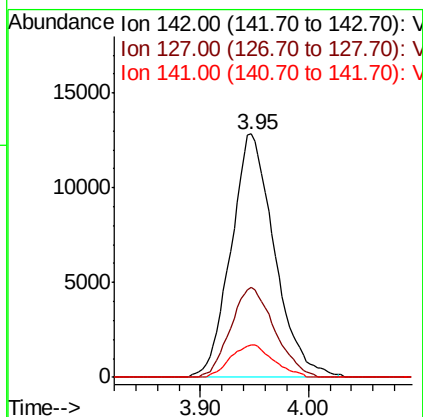
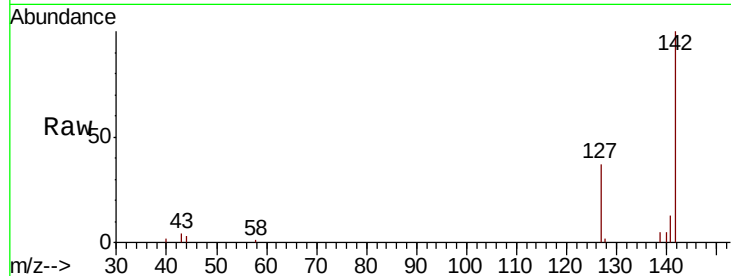




#11
Methyl Iodide
Concen: 8.773 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

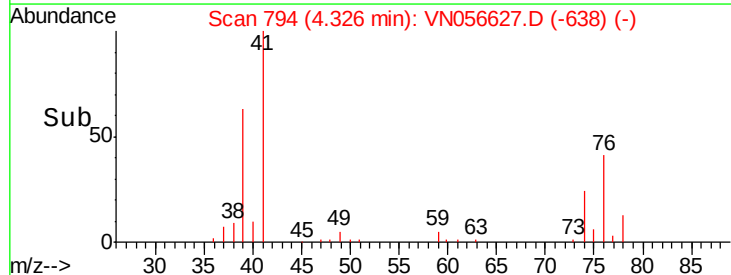
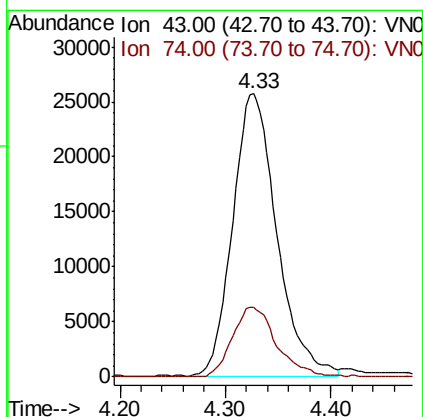
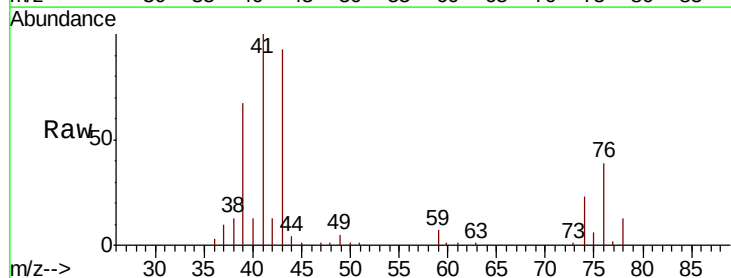
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

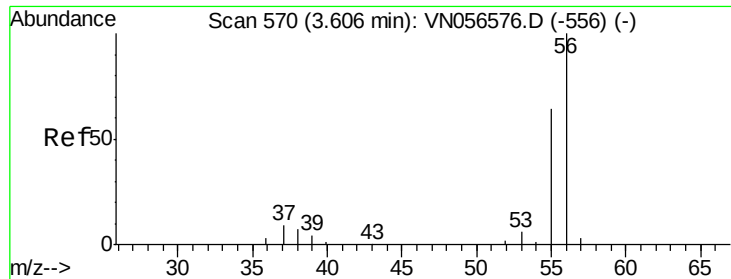
Tot Ion:142 Resp: 36062
Ion Ratio Lower Upper
142 100
127 38.9 19.0 57.0
141 13.2 6.7 20.0



#12
Methyl Acetate
Concen: 19.380 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 43 Resp: 75129
Ion Ratio Lower Upper
43 100
74 24.4 19.9 29.9





#13

Acrolein

Concen: 73.276 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

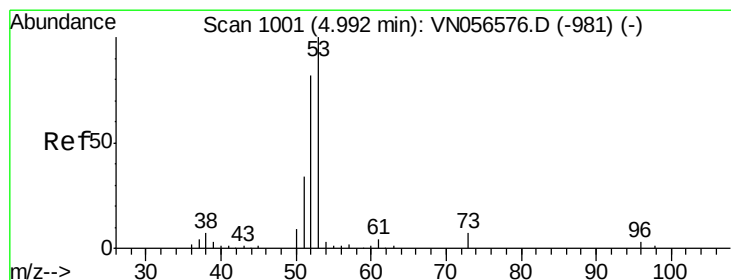
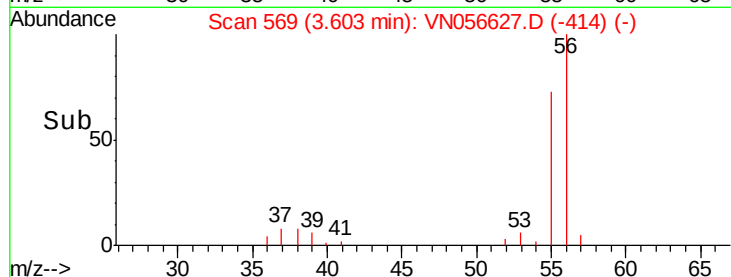
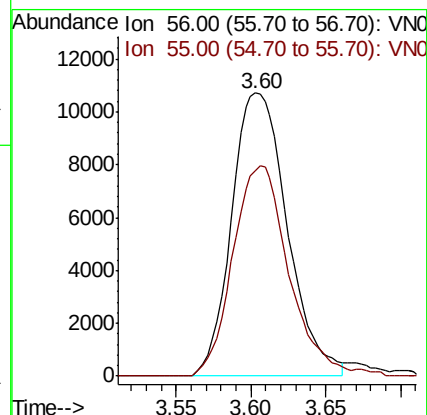
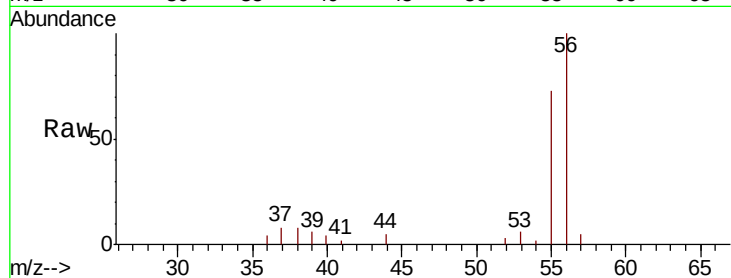
VN0709WBSD01

Tot Ion: 56 Resp: 27735

Ion Ratio Lower Upper

56 100

55 74.3 57.9 86.9



#14

Acrylonitrile

Concen: 95.093 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

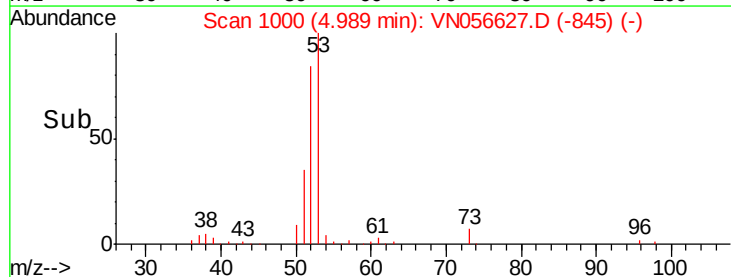
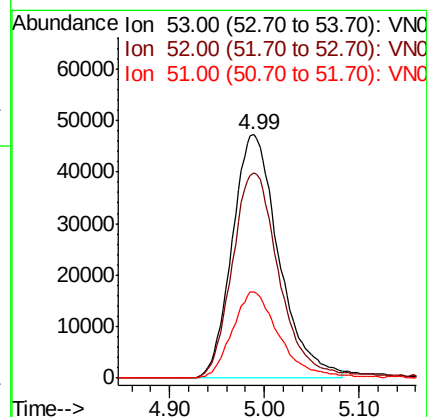
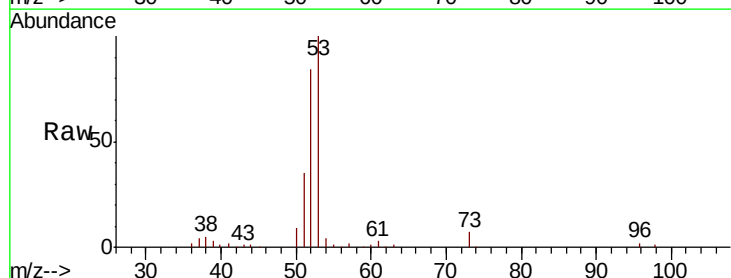
Tgt Ion: 53 Resp: 161864

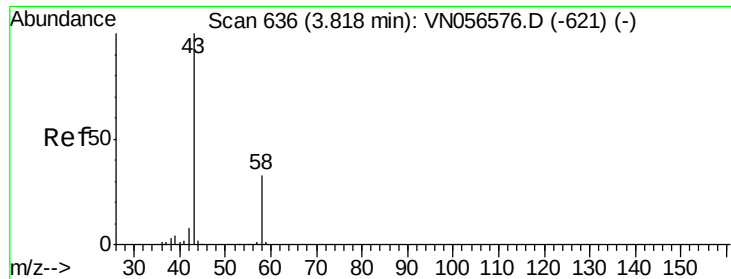
Ion Ratio Lower Upper

53 100

52 84.8 40.8 122.2

51 35.4 17.3 52.0





#15

Acetone

Concen: 103.238 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

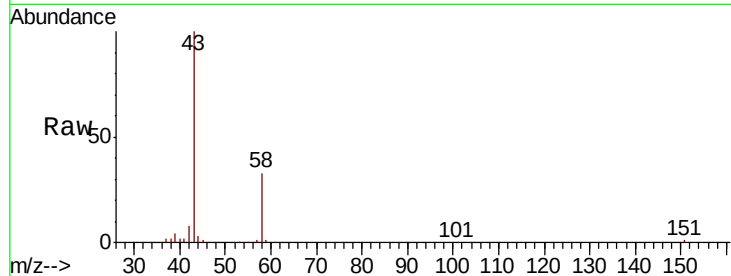
VN0709WBSD01

Tot Ion: 58 Resp: 49031

Ion Ratio Lower Upper

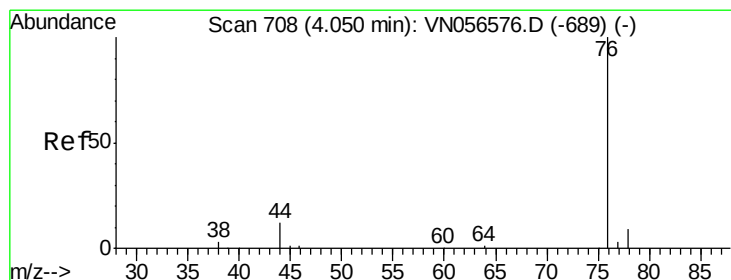
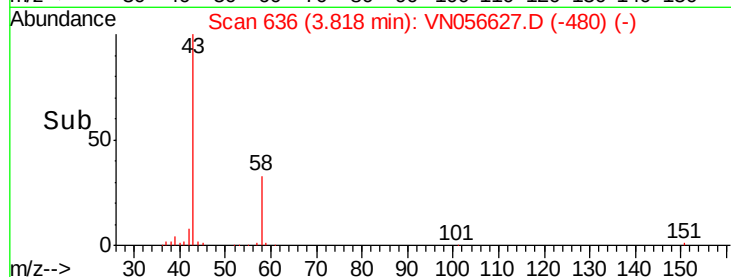
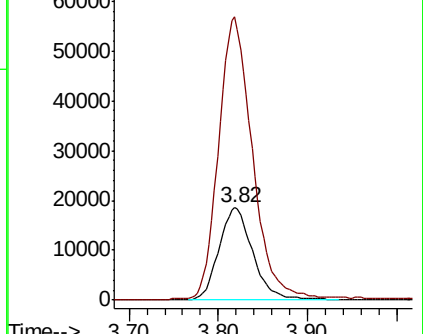
58 100

43 303.4 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.148 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056627.D

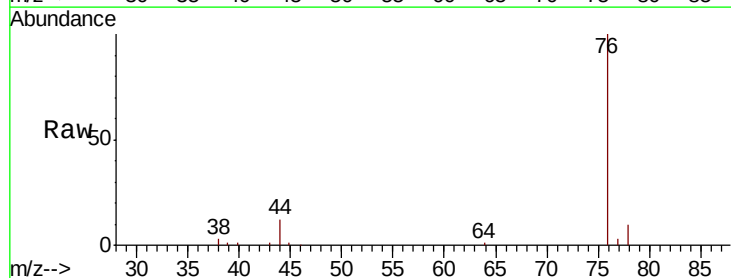
Acq: 9 Jul 2019 14:06

Tgt Ion: 76 Resp: 132348

Ion Ratio Lower Upper

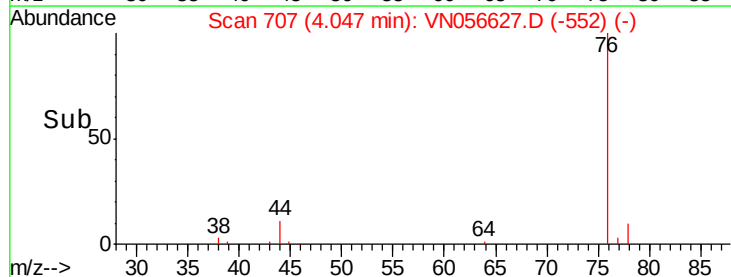
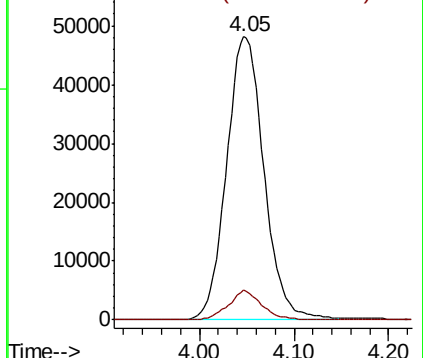
76 100

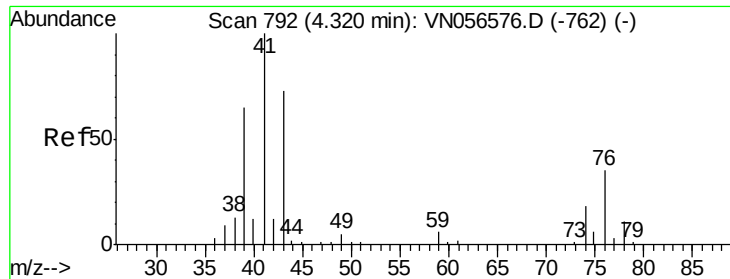
78 10.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

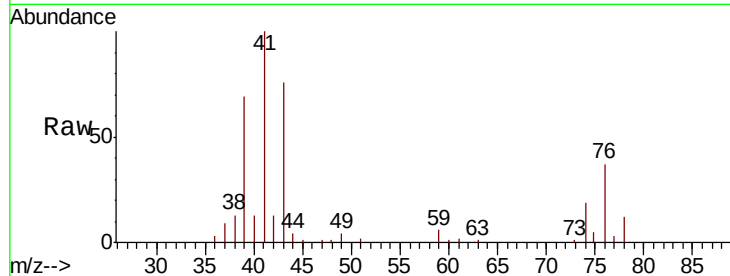




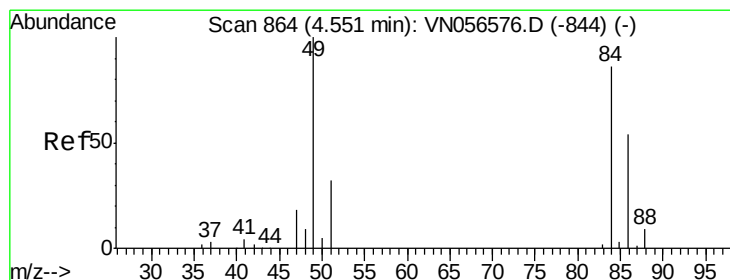
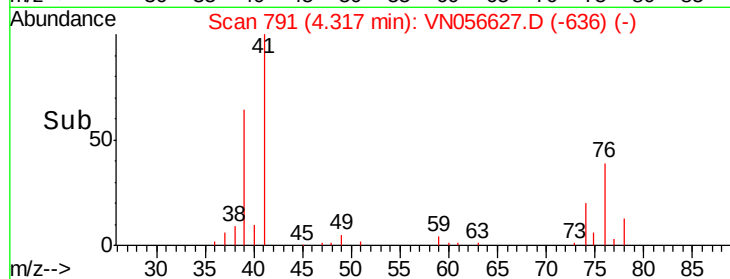
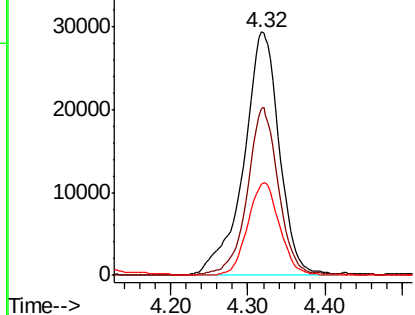
#17
Allvl chloride
Concen: 18.766 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion: 41 Resp: 94401
Ion Ratio Lower Upper
41 100
39 68.6 33.0 99.0
76 37.4 18.9 56.9



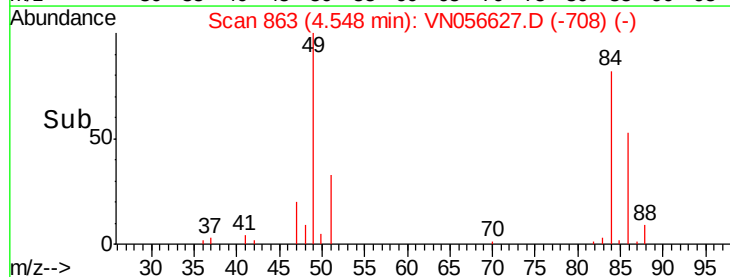
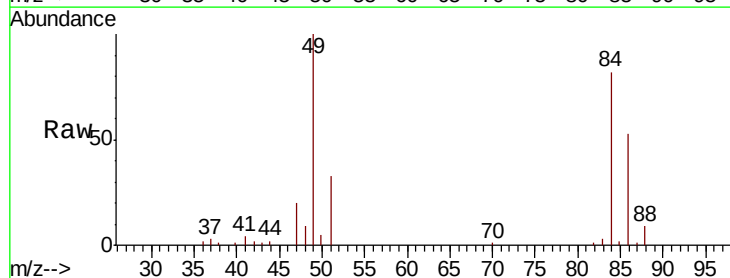
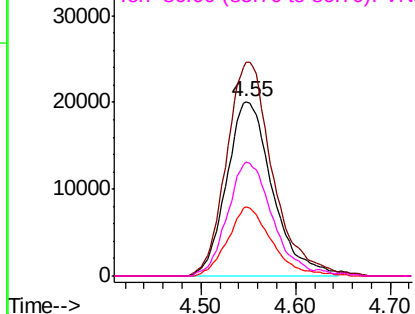
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

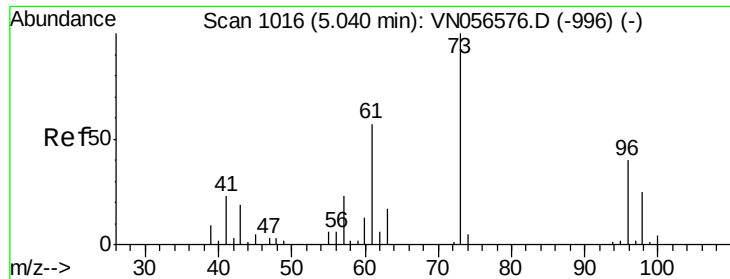


#18
Methylene Chloride
Concen: 19.917 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 84 Resp: 67691
Ion Ratio Lower Upper
84 100
49 122.5 87.6 131.4
51 39.8 27.0 40.4
86 65.3 51.2 76.8

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

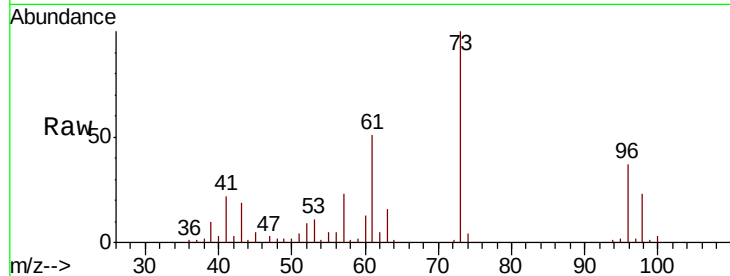




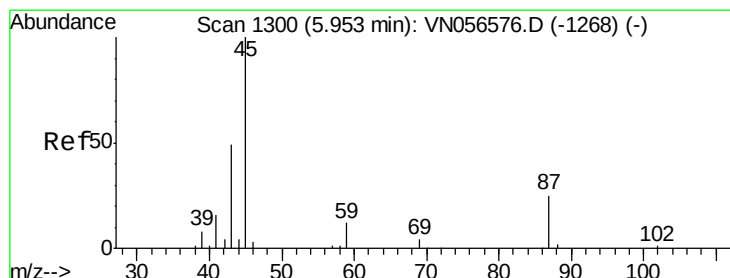
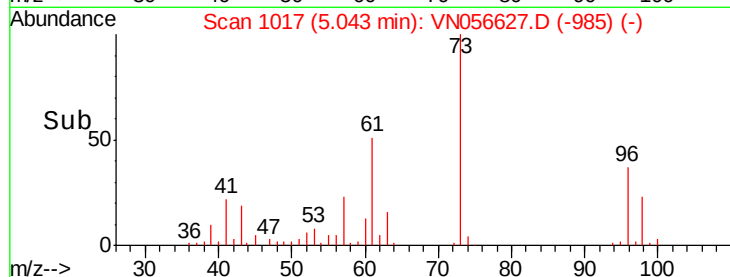
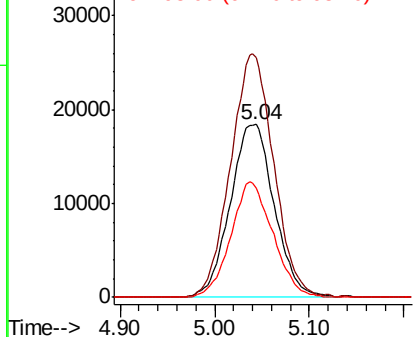
#19
trans-1,2-Dichloroethene
Concen: 19.073 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion: 96 Resp: 59467
Ion Ratio Lower Upper
96 100
61 138.7 102.5 153.7
98 63.3 46.9 70.3

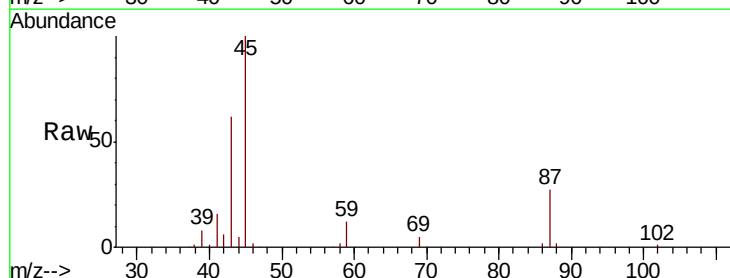


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

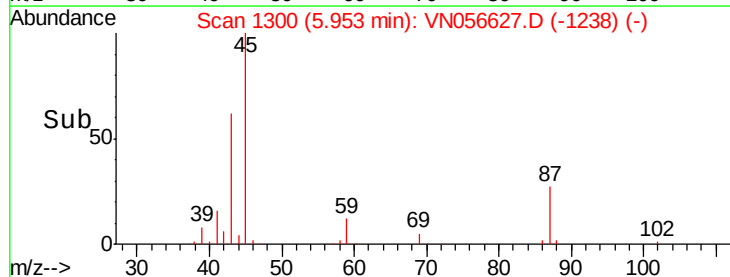
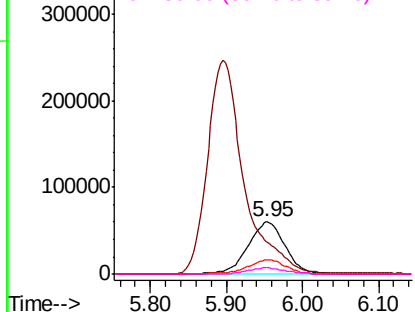


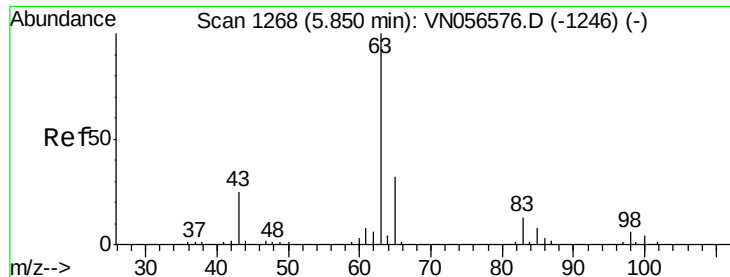
#20
Diisopropyl ether
Concen: 19.564 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 45 Resp: 203325
Ion Ratio Lower Upper
45 100
43 60.4 48.0 72.0
87 27.0 23.4 35.2
59 12.1 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

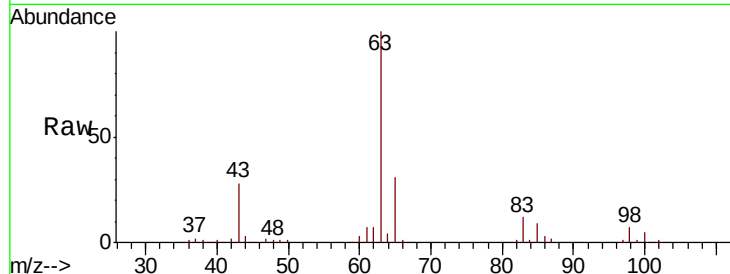




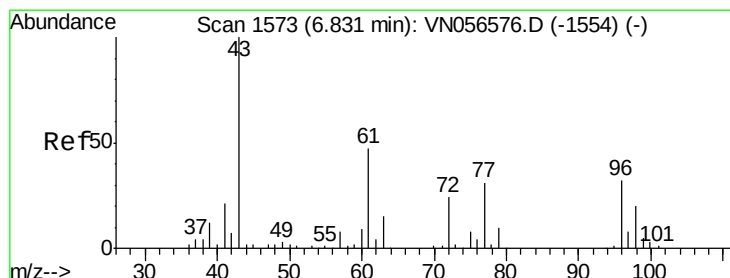
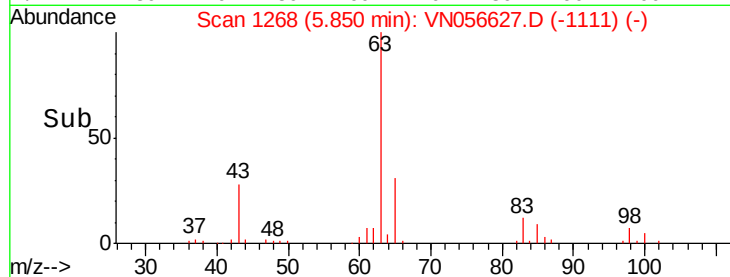
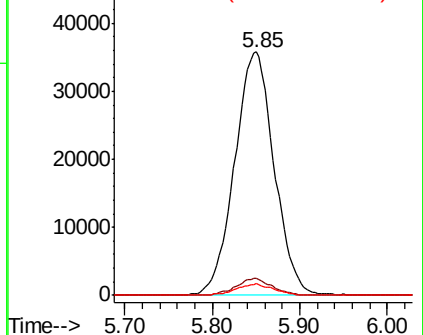
#21
 1,1-Dichloroethane
 Concen: 19.099 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion: 63 Resp: 111972
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.7 2.3 6.9

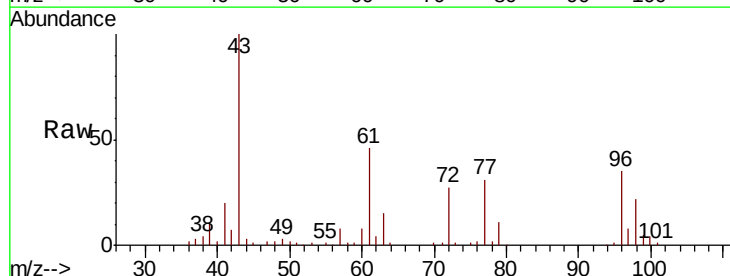


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

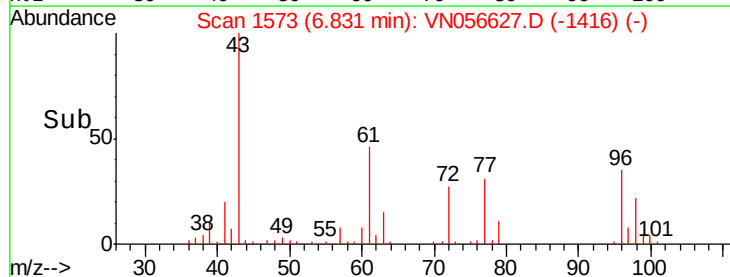
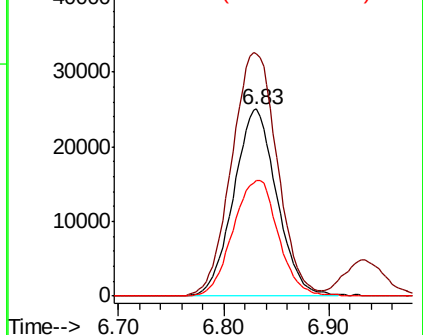


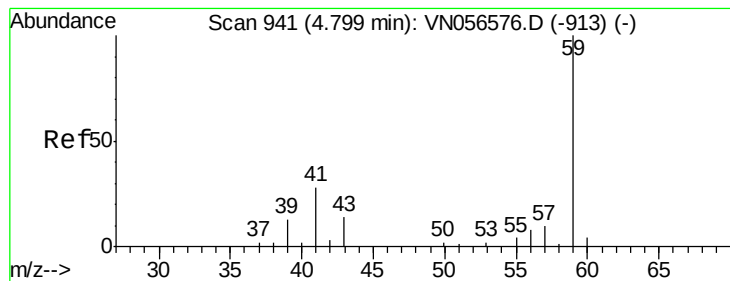
#22
 cis-1,2-Dichloroethene
 Concen: 19.431 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 96 Resp: 71239
 Ion Ratio Lower Upper
 96 100
 61 137.5 105.7 158.5
 98 64.4 52.0 78.0



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



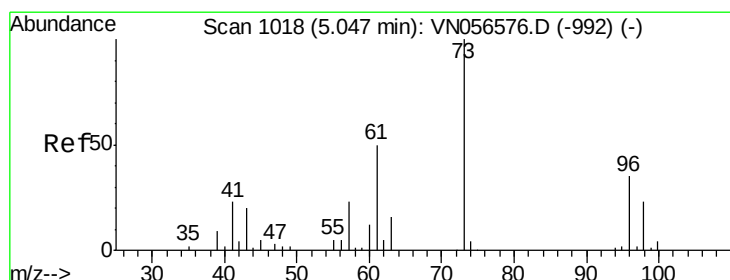
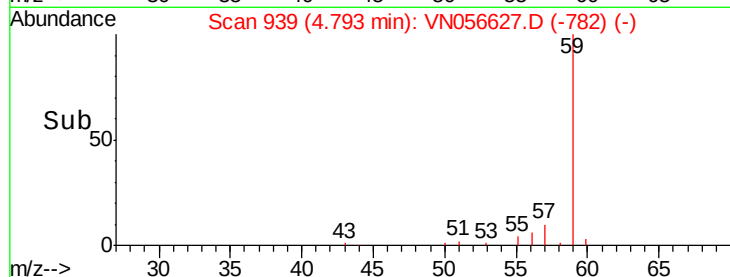
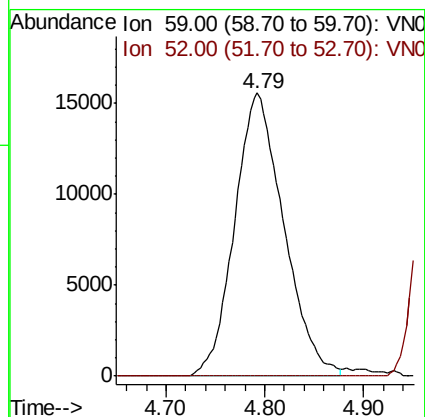
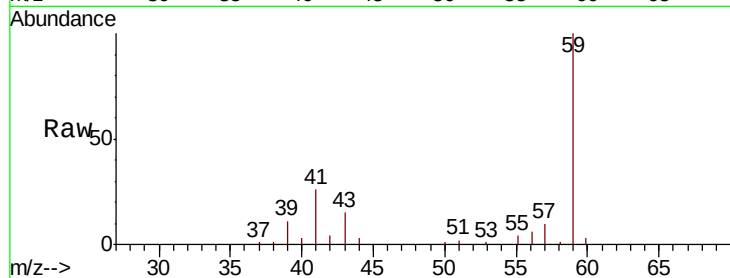


#23

tert-Butyl Alcohol
 Concen: 84.459 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

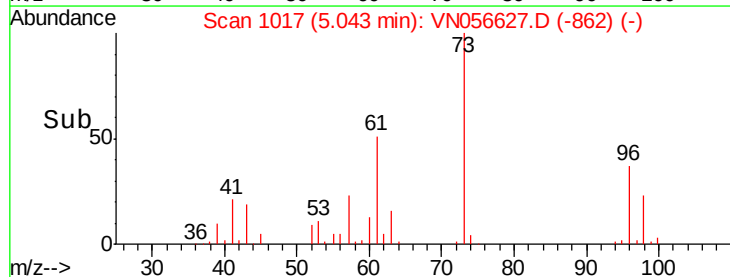
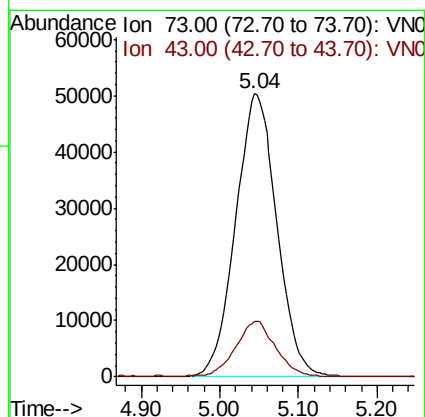
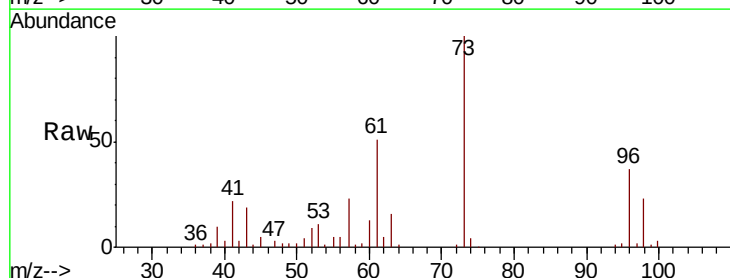
Tot Ion: 59 Resp: 53778
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

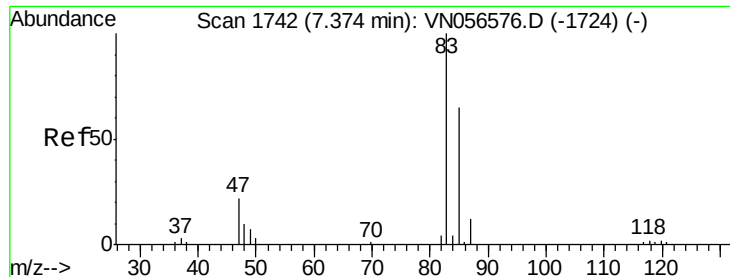


#24

Methyl tert-Butyl Ether
 Concen: 19.477 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 73 Resp: 185180
 Ion Ratio Lower Upper
 73 100
 43 19.2 15.4 23.0

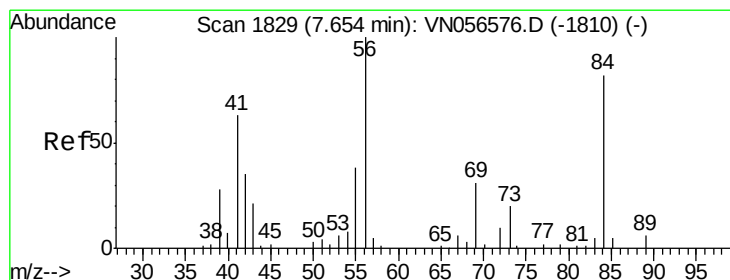
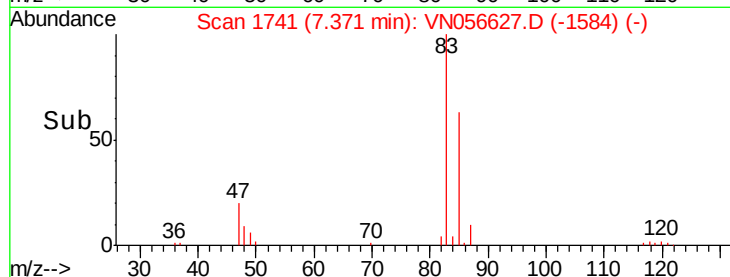
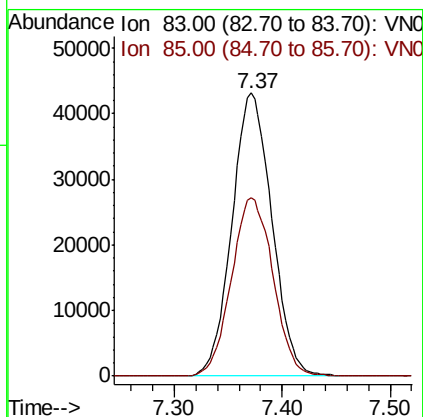
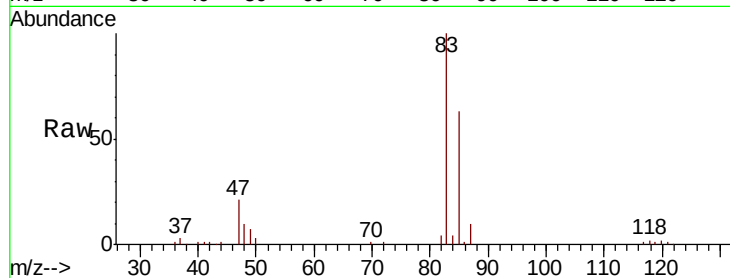




#25
Chloroform
Concen: 19.377 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

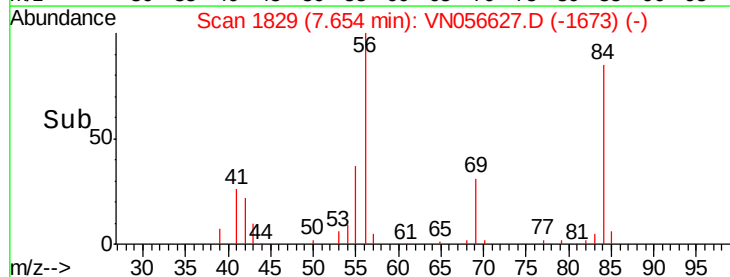
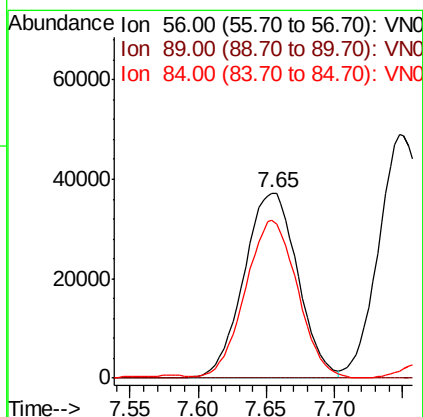
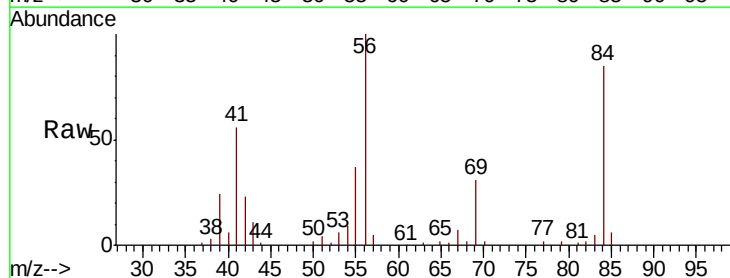
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

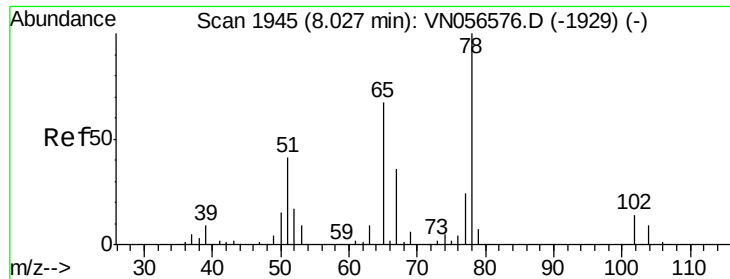
Tot Ion: 83 Resp: 111348
Ion Ratio Lower Upper
83 100
85 63.1 52.0 78.0



#26
Cyclohexane
Concen: 18.882 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 56 Resp: 101962
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.6 70.1 105.1

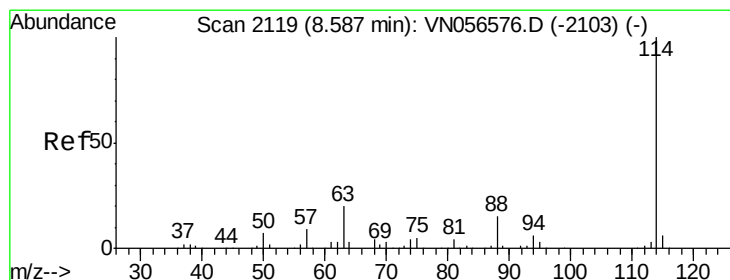
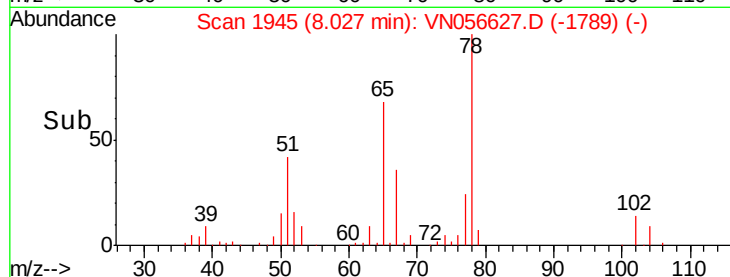
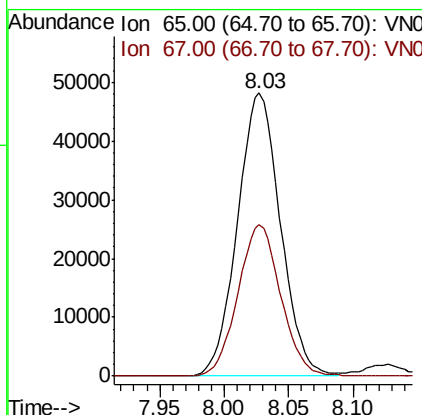
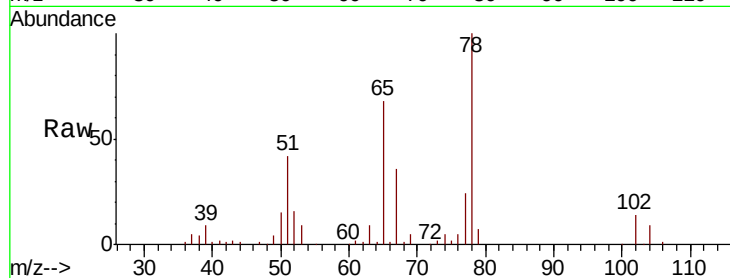




#27
 1,2-Dichloroethane-d4
 Concen: 30.792 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

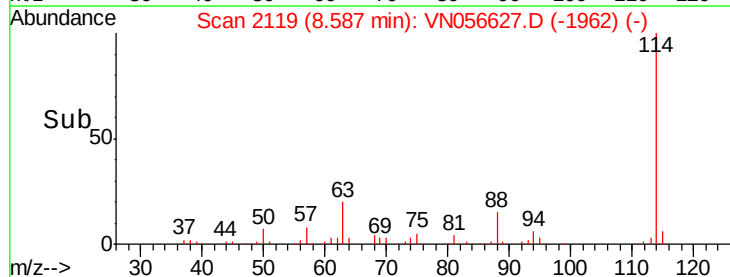
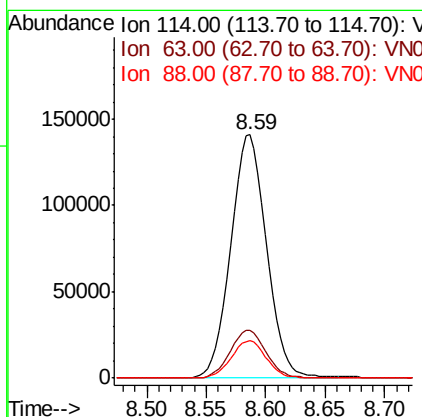
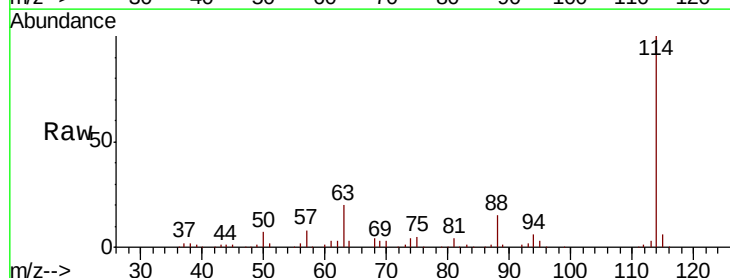
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

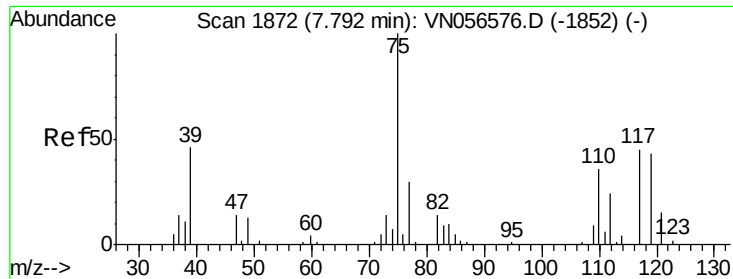
Tot Ion: 65 Resp: 111630
 Ion Ratio Lower Upper
 65 100
 67 53.3 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 114 Resp: 294011
 Ion Ratio Lower Upper
 114 100
 63 19.7 14.7 22.1
 88 15.1 11.9 17.9

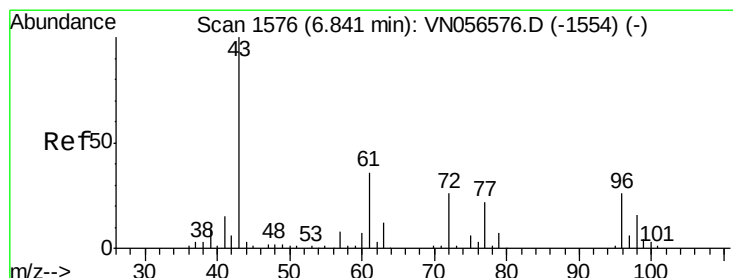
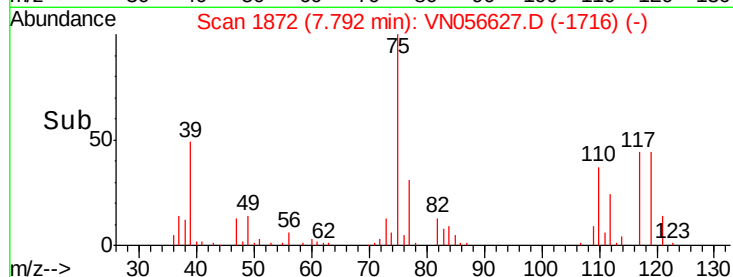
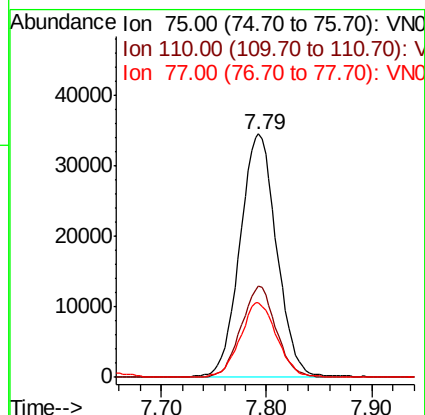
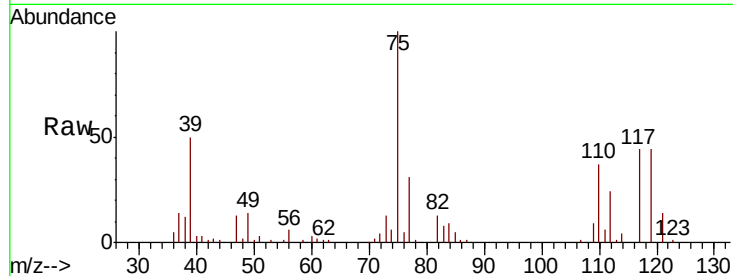




#29
 1,1-Dichloropropene
 Concen: 19.230 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

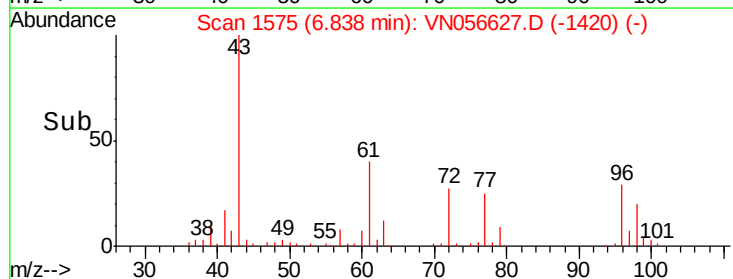
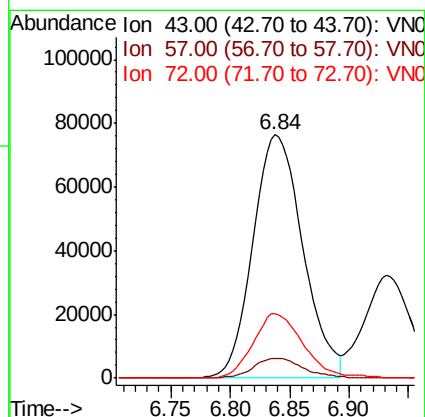
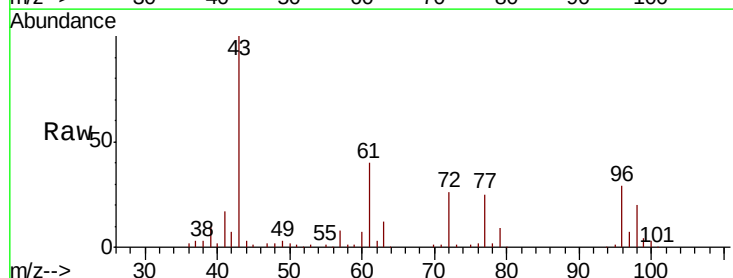
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

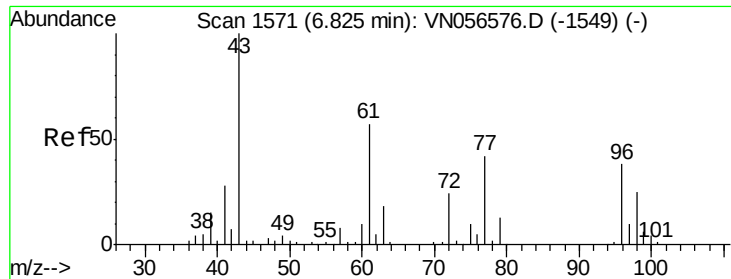
Tot Ion: 75 Resp: 83490
 Ion Ratio Lower Upper
 75 100
 110 35.4 0.0 77.0
 77 30.6 0.0 62.4



#30
 2-Butanone
 Concen: 91.871 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 43 Resp: 221120
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 26.2 22.4 33.6

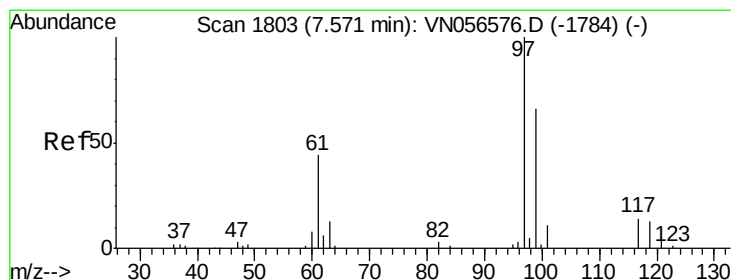
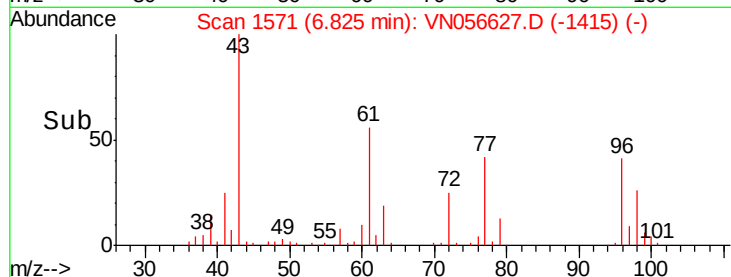
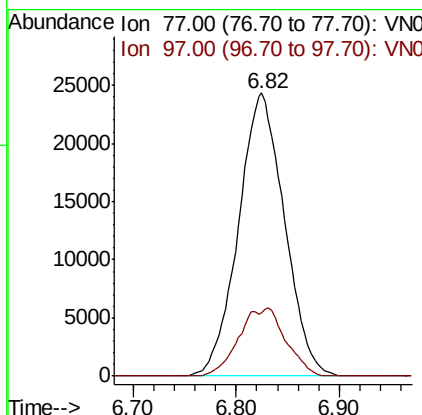
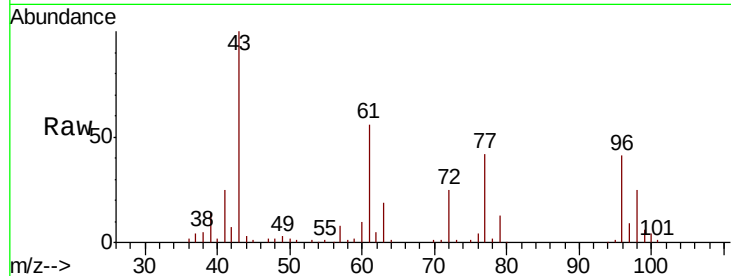




#31
 2,2-Dichloropropane
 Concen: 18.010 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

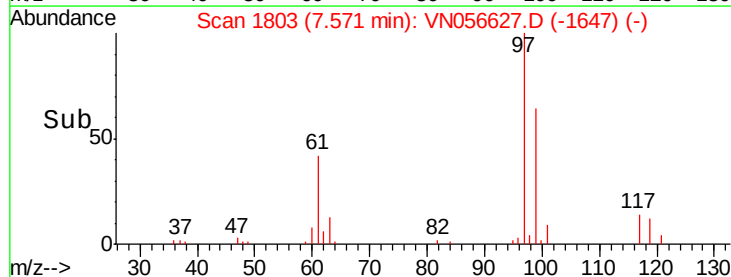
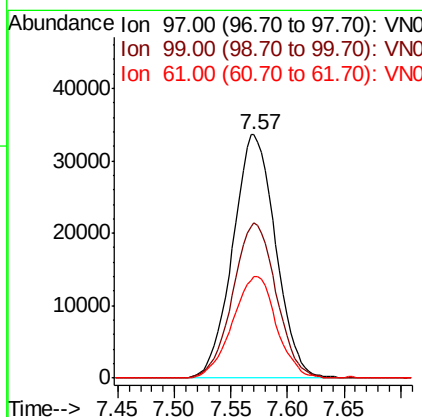
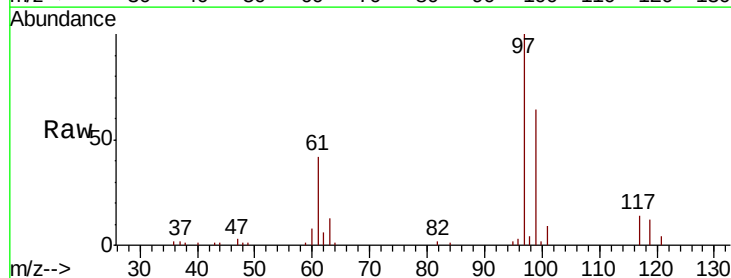
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

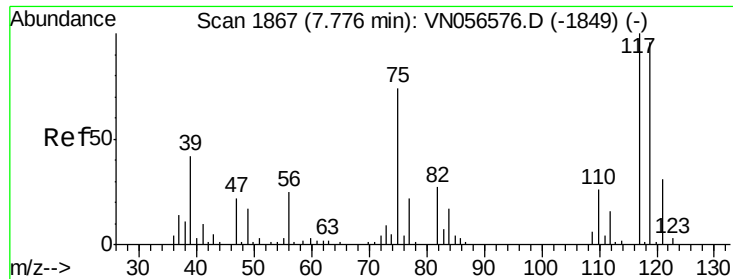
Tot Ion: 77 Resp: 75183
 Ion Ratio Lower Upper
 77 100
 97 11.3 20.8 31.2#



#32
 1,1,1-Trichloroethane
 Concen: 19.155 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 97 Resp: 88657
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.5 77.3
 61 42.6 32.9 49.3

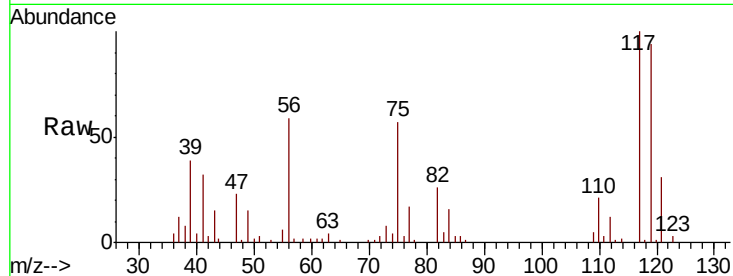




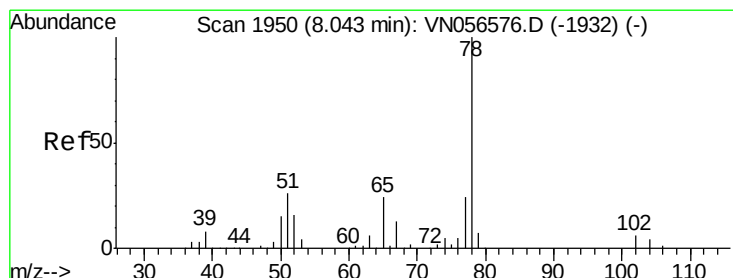
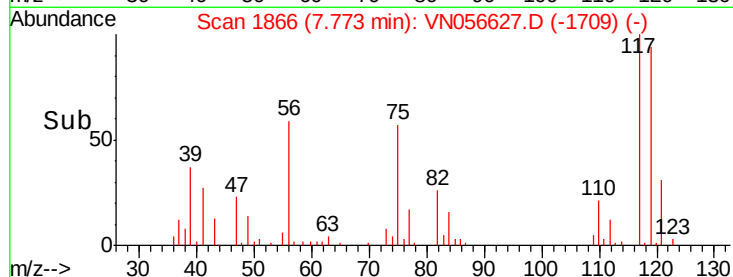
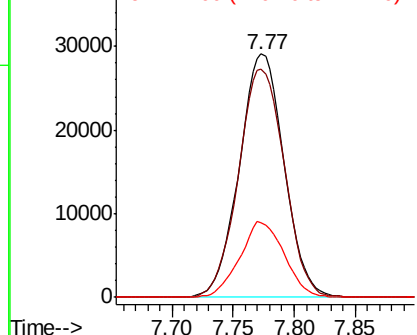
#33
Carbon Tetrachloride
Concen: 18.848 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion:117 Resp: 73950
Ion Ratio Lower Upper
117 100
119 93.9 77.3 115.9
121 30.9 25.0 37.4

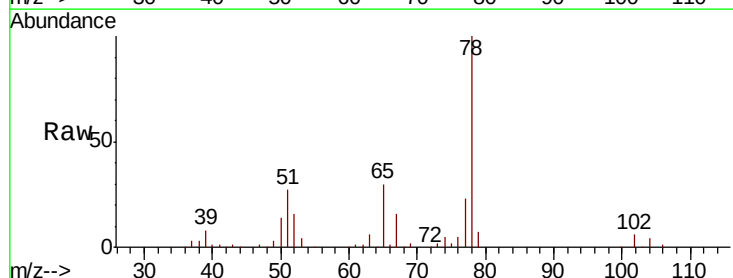


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

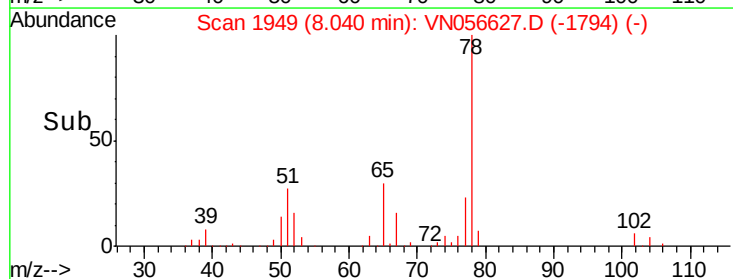
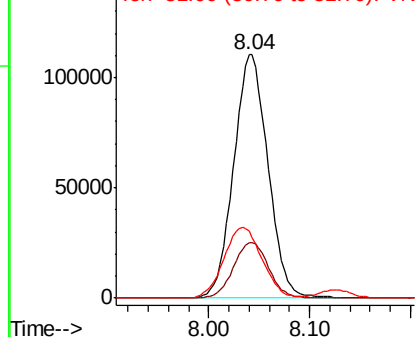


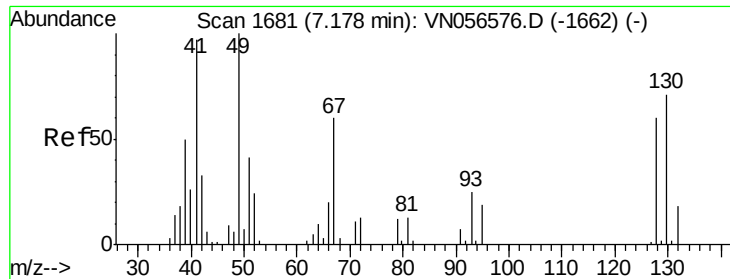
#34
Benzene
Concen: 19.197 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 78 Resp: 260624
Ion Ratio Lower Upper
78 100
77 22.8 19.3 28.9
51 27.1 19.8 29.8



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

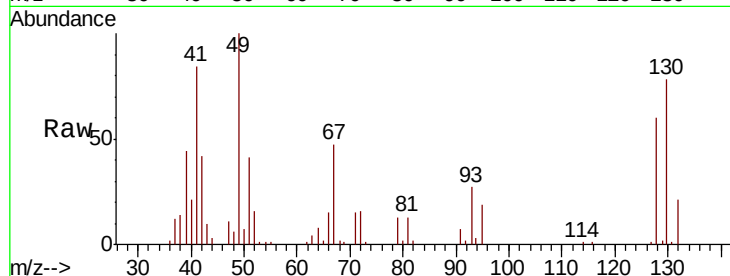




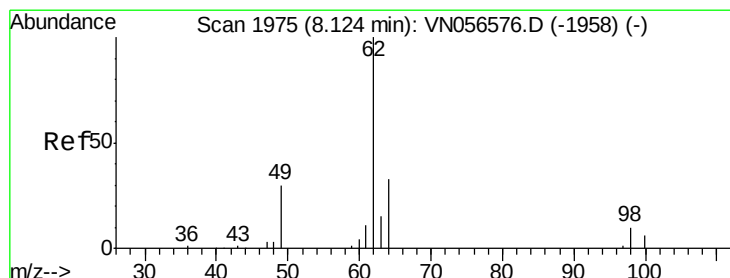
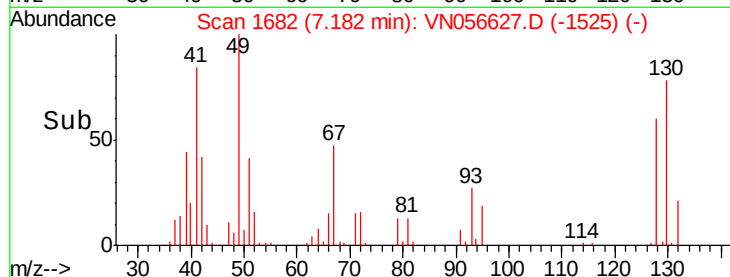
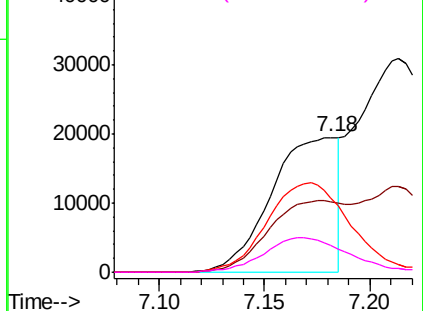
#35
Methacrylonitrile
Concen: 20.029 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion: 41 Resp: 42812
Ion Ratio Lower Upper
41 100
39 52.6 24.8 74.3
67 55.7 34.3 102.9
52 19.7 12.6 37.8

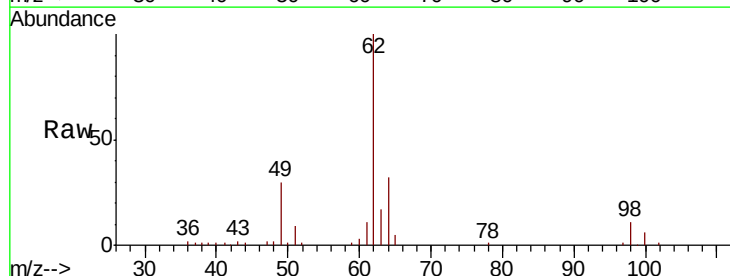


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

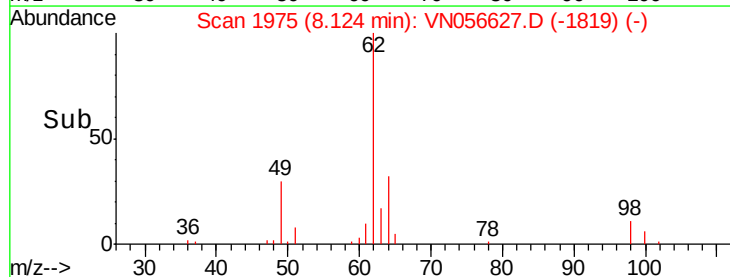
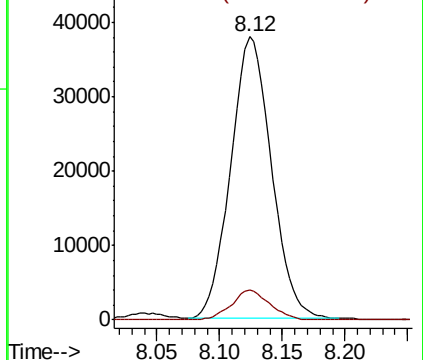


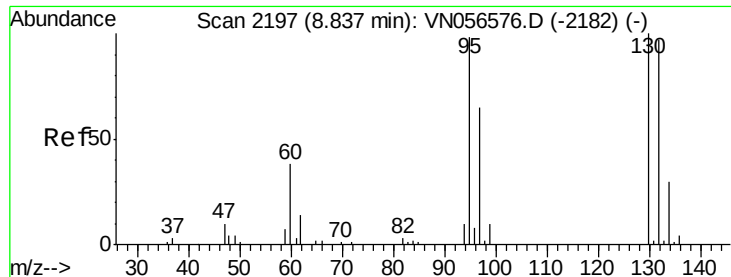
#36
1,2-Dichloroethane
Concen: 19.352 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 62 Resp: 85392
Ion Ratio Lower Upper
62 100
98 9.9 8.6 13.0



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

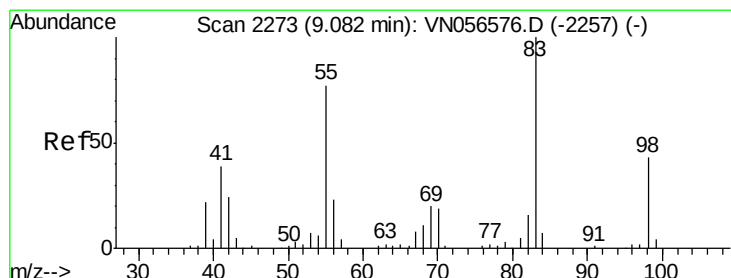
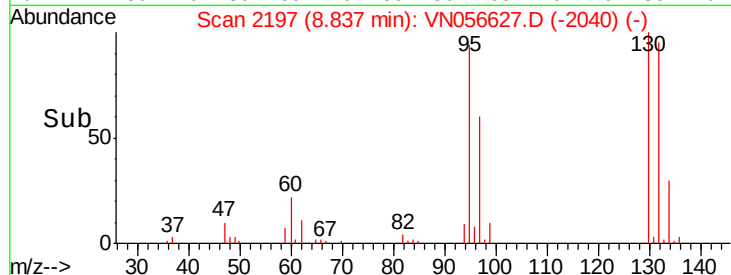
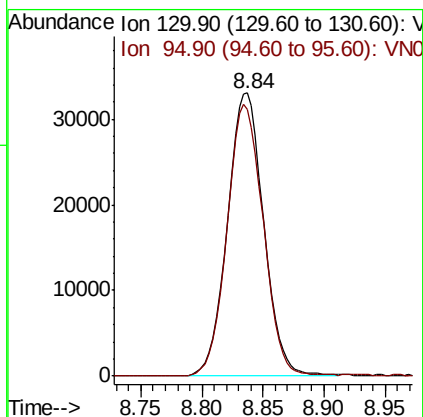
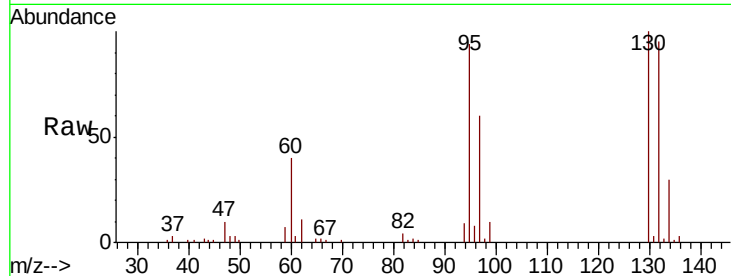




#37
 Trichloroethene
 Concen: 19.350 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

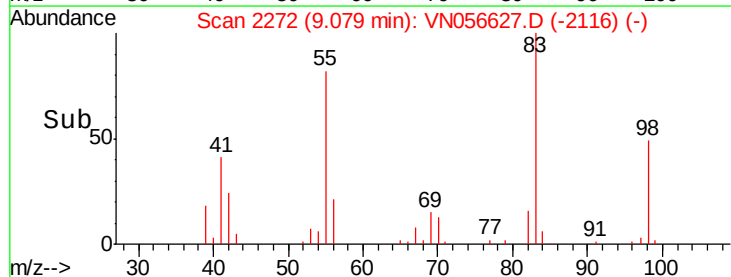
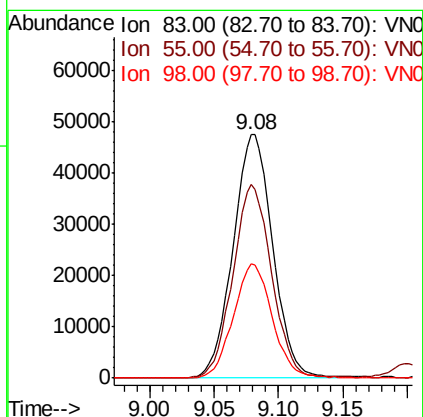
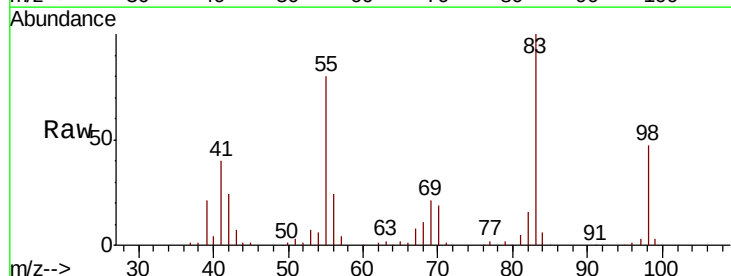
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

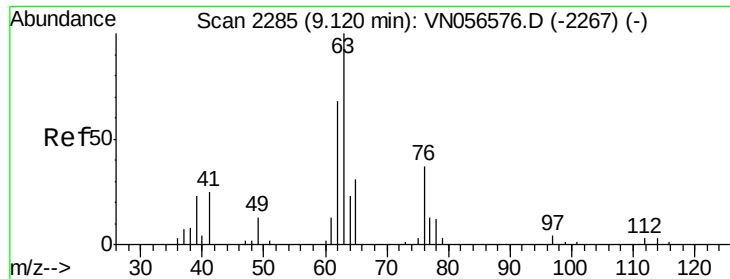
Tot Ion:130 Resp: 68514
 Ion Ratio Lower Upper
 130 100
 95 94.1 73.0 109.6



#38
 Methylcyclohexane
 Concen: 18.666 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 83 Resp: 101563
 Ion Ratio Lower Upper
 83 100
 55 77.3 37.5 112.7
 98 45.7 23.1 69.3

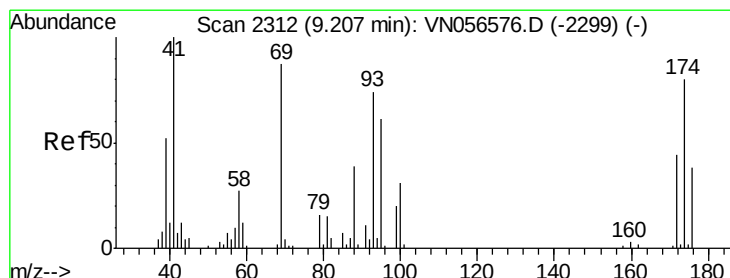
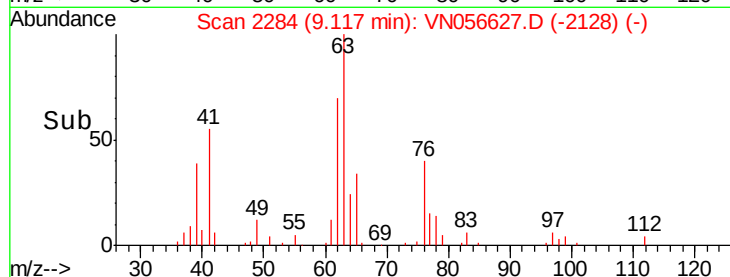
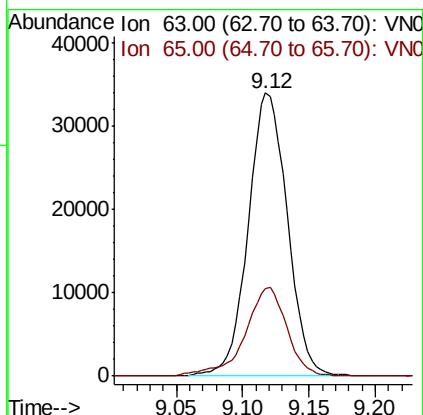
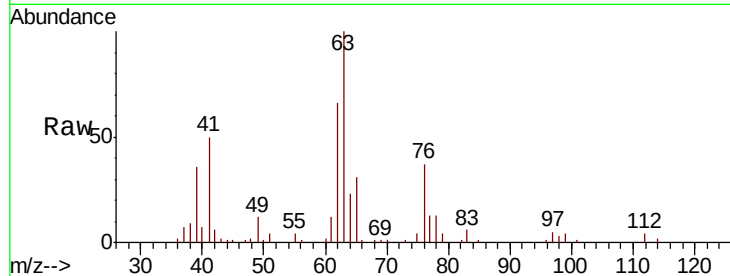




#39
 1,2-Dichloropropane
 Concen: 19.155 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

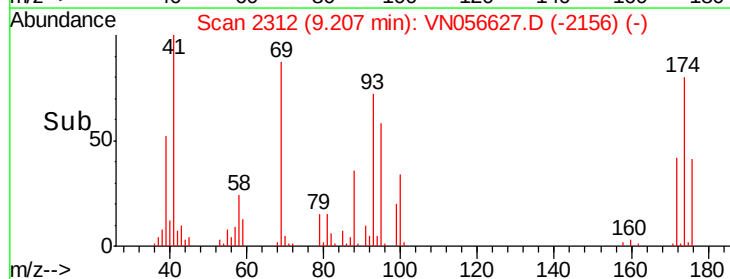
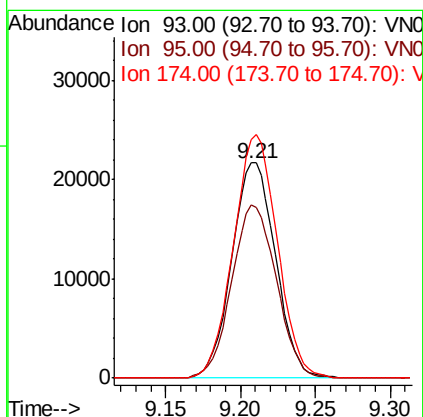
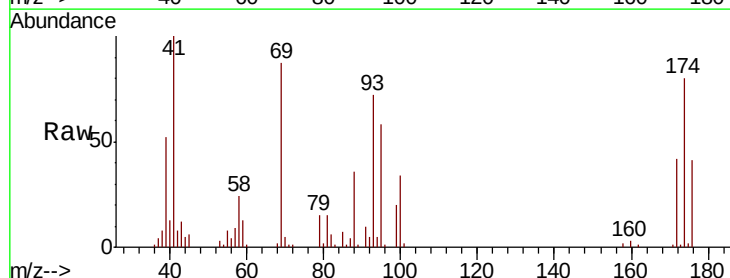
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

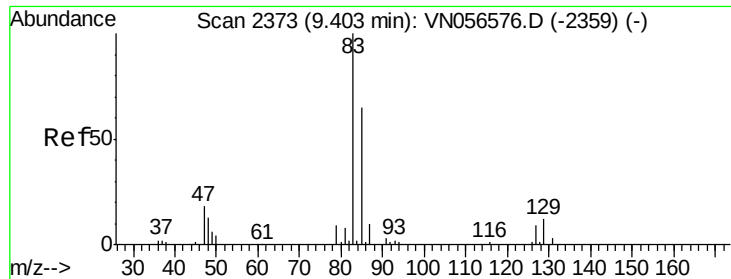
Tot Ion: 63 Resp: 70004
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.1 34.7



#40
 Dibromomethane
 Concen: 19.586 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 93 Resp: 44247
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 169.0
 174 113.2 0.0 246.4





#41

Bromodichloromethane

Concen: 19.098 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

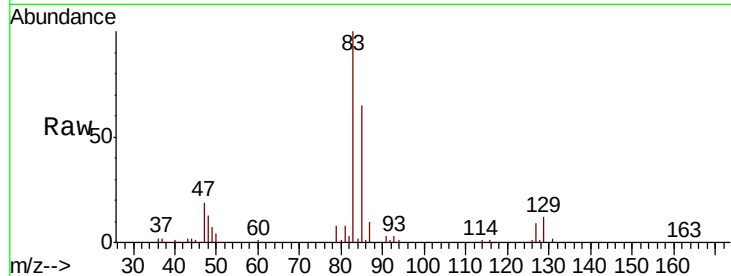
Tot Ion: 83 Resp: 79964

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.6

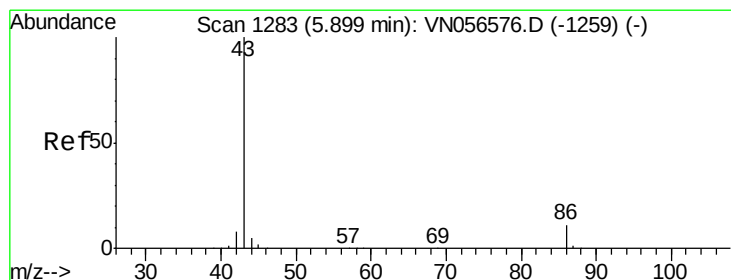
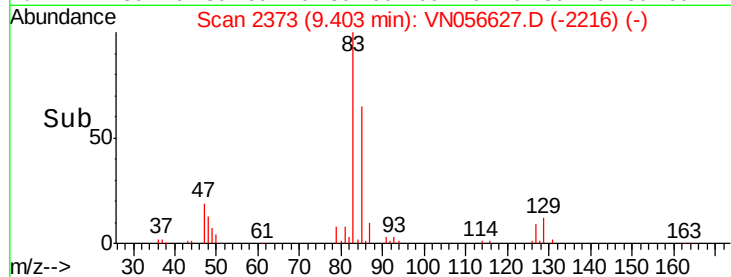
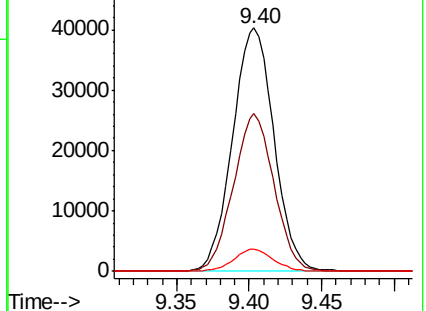
127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 96.229 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056627.D

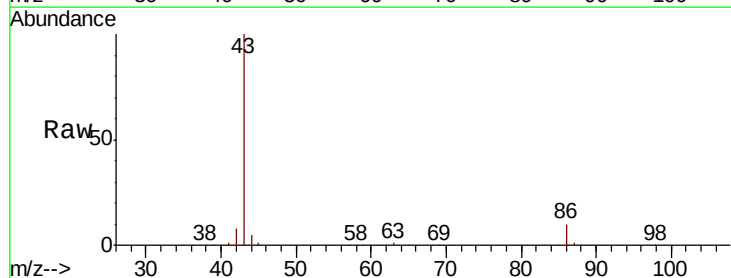
Acq: 9 Jul 2019 14:06

Tgt Ion: 43 Resp: 824682

Ion Ratio Lower Upper

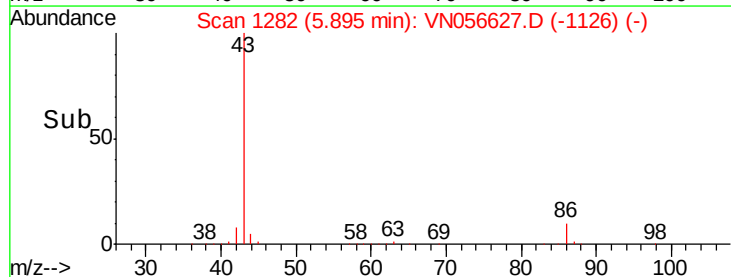
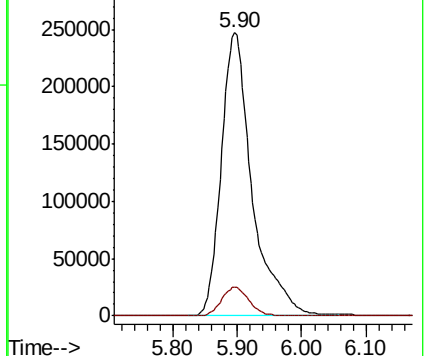
43 100

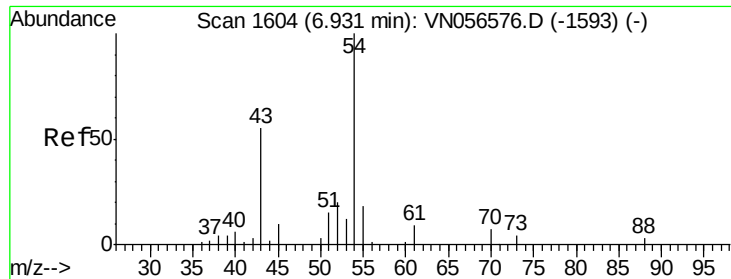
86 9.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

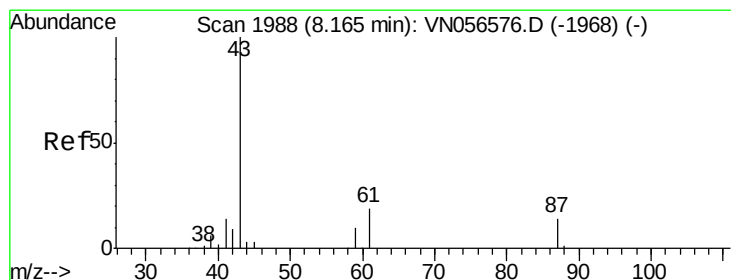
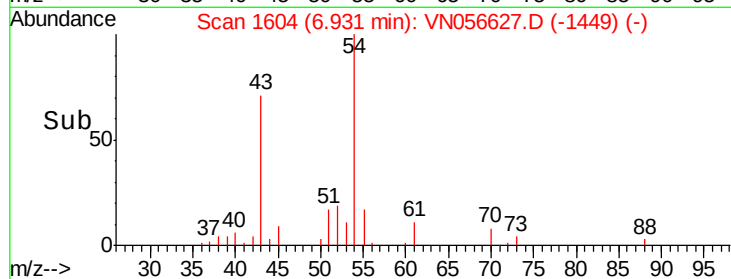
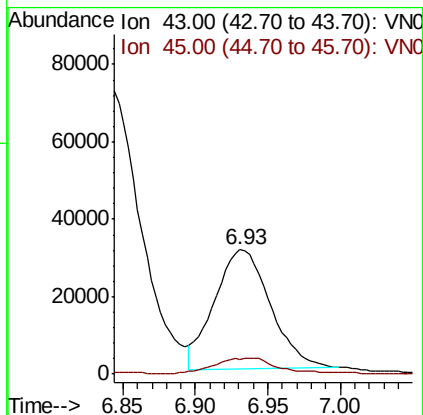
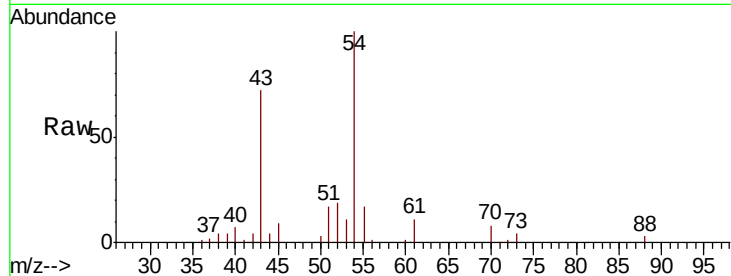




#43
Ethyl Acetate
Concen: 17.806 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

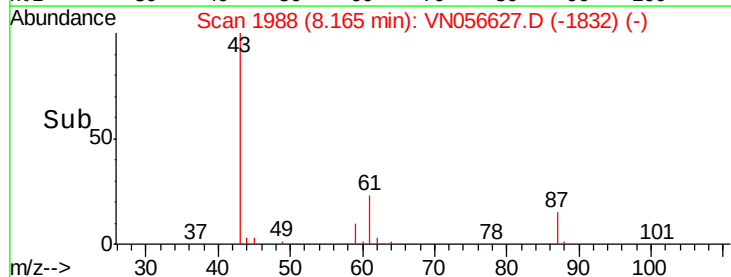
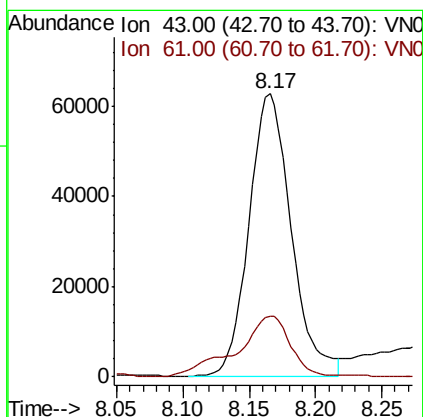
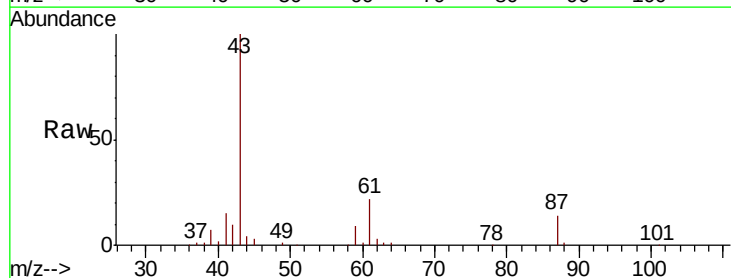
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

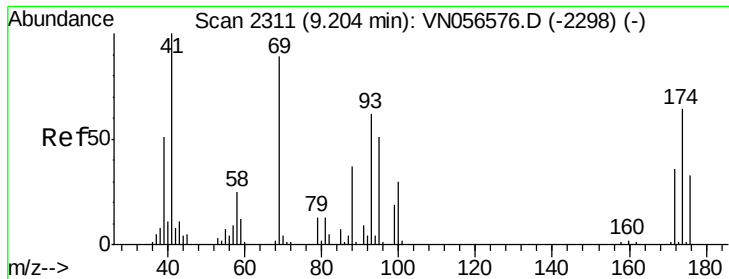
Tot Ion: 43 Resp: 82904
Ion Ratio Lower Upper
43 100
45 7.0 12.3 18.5#



#44
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 43 Resp: 138568
Ion Ratio Lower Upper
43 100
61 27.7 16.9 25.3#





#45

1,4-Dioxane

Concen: 352.479 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

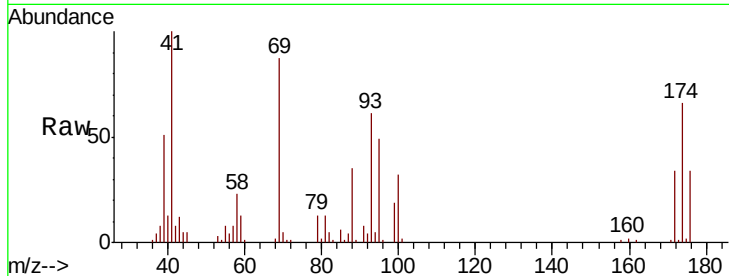
Tot Ion: 88 Resp: 25053

Ion Ratio Lower Upper

88 100

43 30.5 19.8 29.6#

58 70.2 48.5 72.7

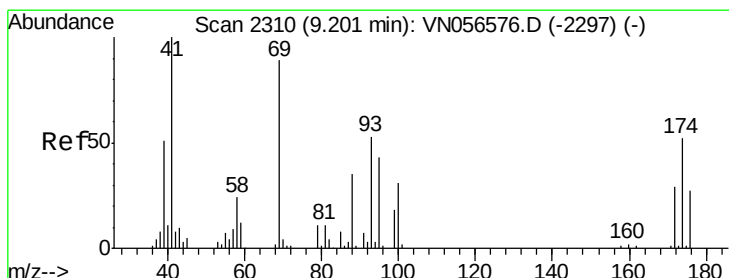
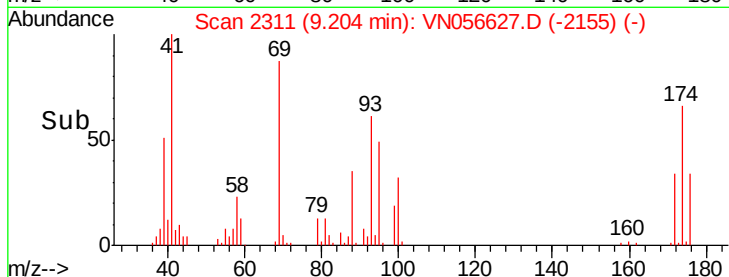
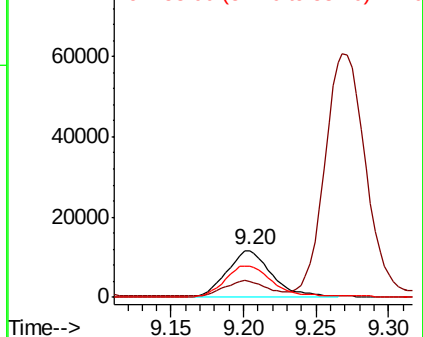


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.791 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

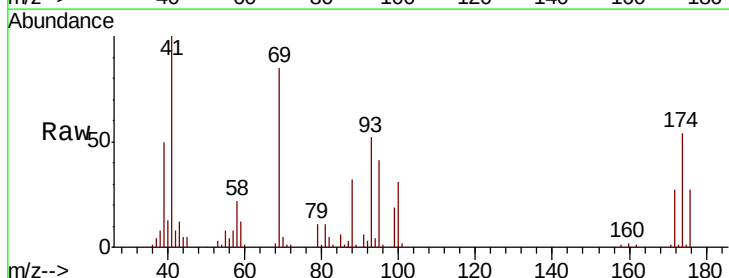
Tgt Ion: 41 Resp: 67068

Ion Ratio Lower Upper

41 100

69 85.4 46.0 137.8

39 49.5 24.6 73.8

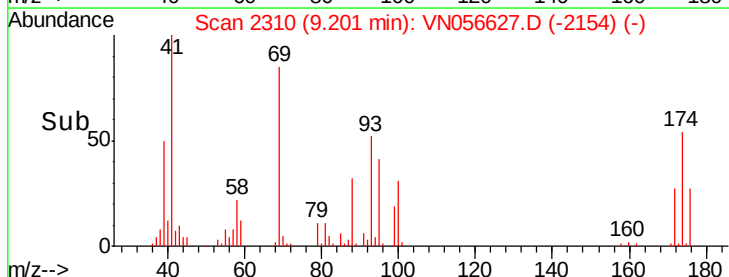
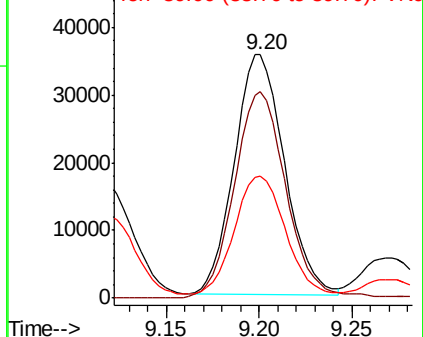


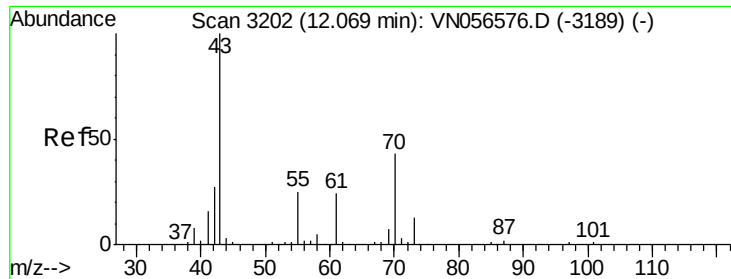
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.585 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

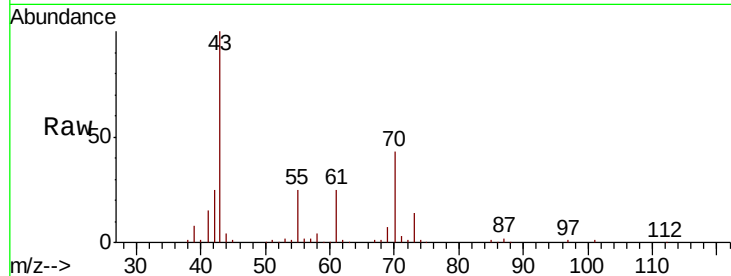
VN0709WBSD01

Tot Ion: 43 Resp: 112216

Ion Ratio Lower Upper

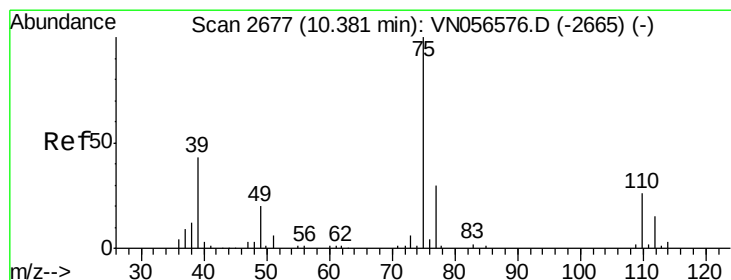
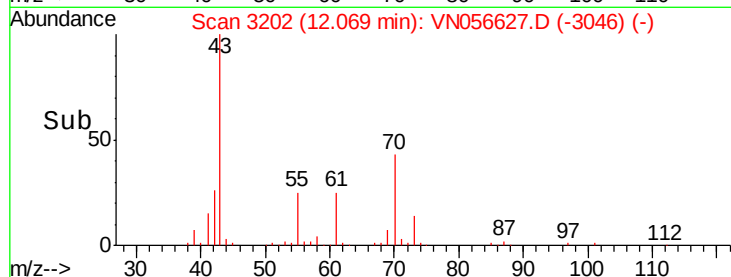
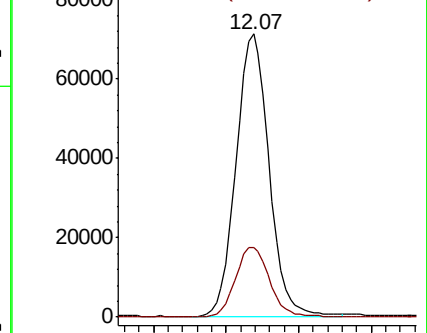
43 100

55 25.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.818 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056627.D

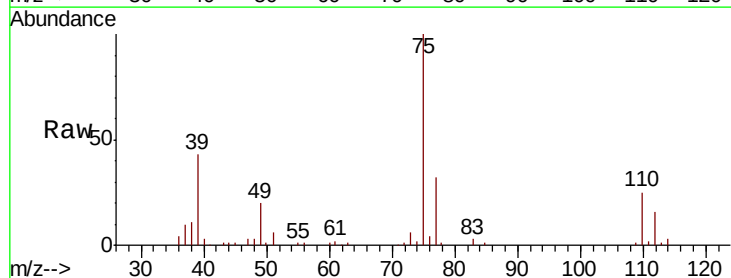
Acq: 9 Jul 2019 14:06

Tgt Ion: 75 Resp: 84444

Ion Ratio Lower Upper

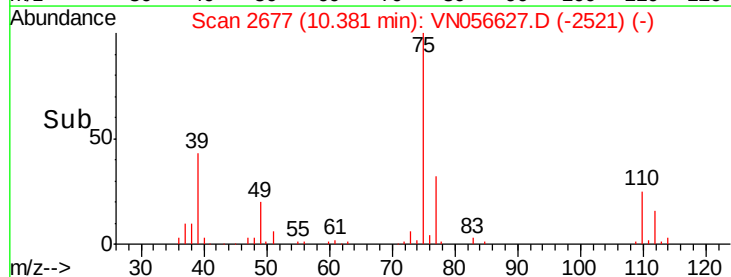
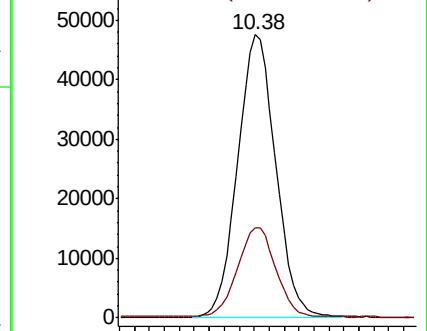
75 100

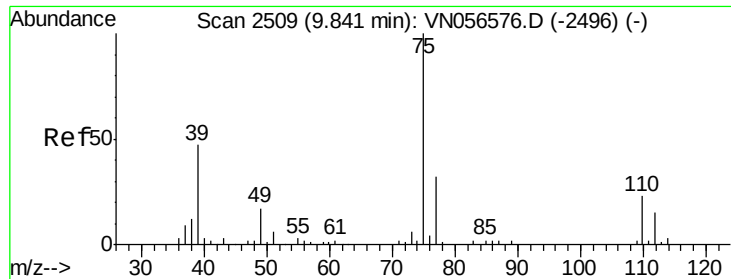
77 31.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



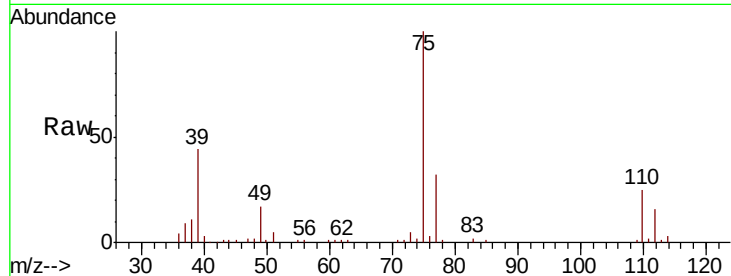


#49

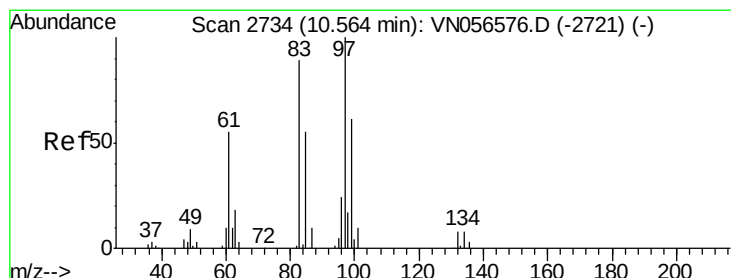
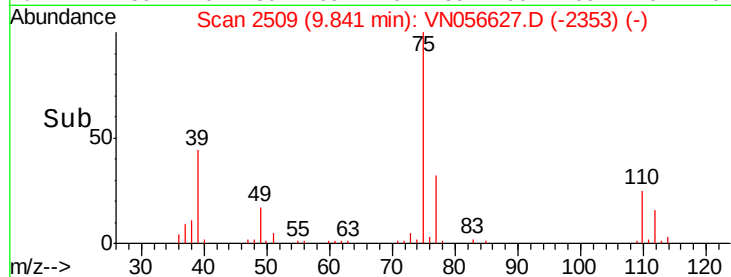
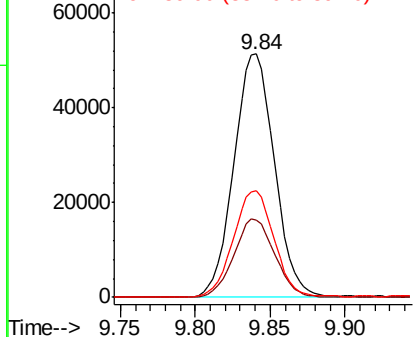
cis-1,3-Dichloropropene
 Concen: 18.748 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion: 75 Resp: 97034
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7
 39 43.7 34.3 51.5



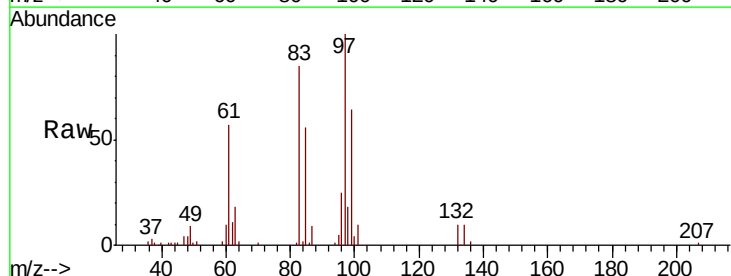
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



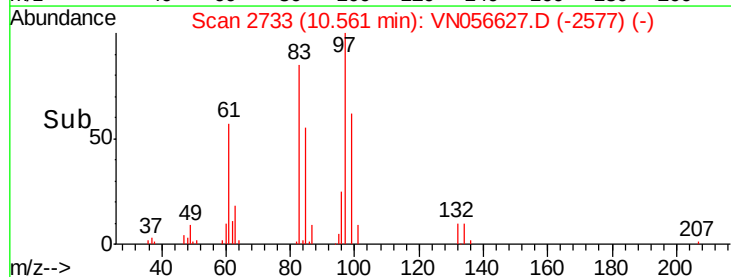
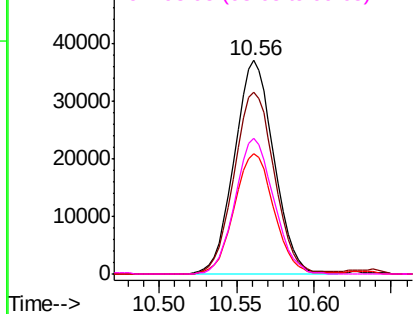
#50

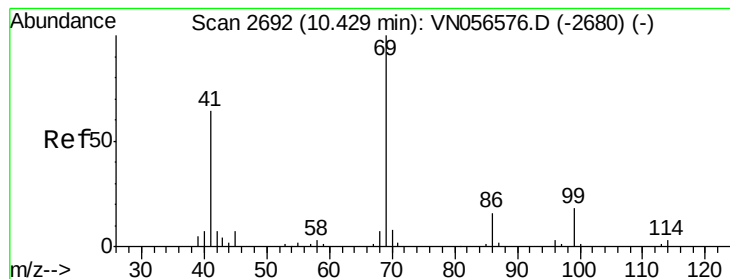
1,1,2-Trichloroethane
 Concen: 19.708 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 97 Resp: 65589
 Ion Ratio Lower Upper
 97 100
 83 85.1 66.9 100.3
 85 56.1 43.3 64.9
 99 63.6 48.6 73.0



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





#51

Ethyl methacrylate

Concen: 18.797 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

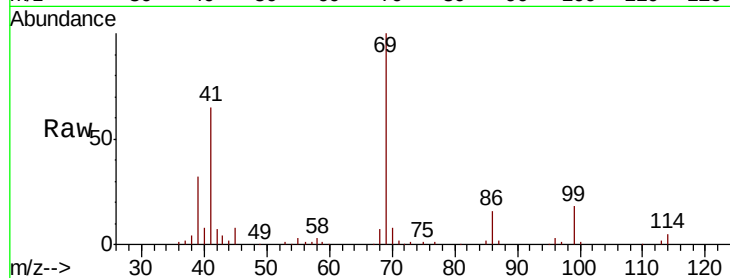
Tot Ion: 69 Resp: 98525

Ion Ratio Lower Upper

69 100

41 64.2 30.8 92.3

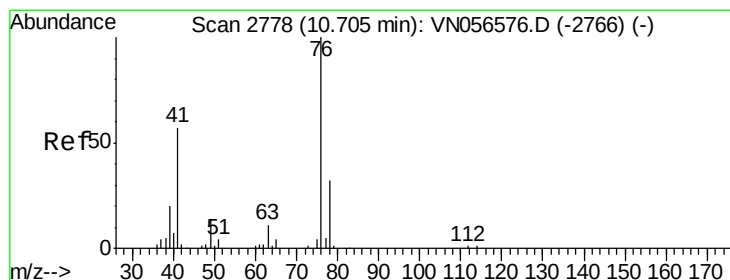
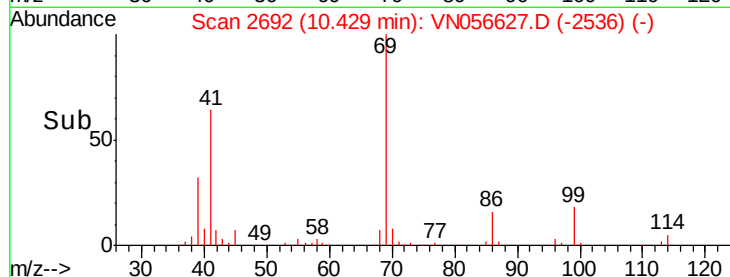
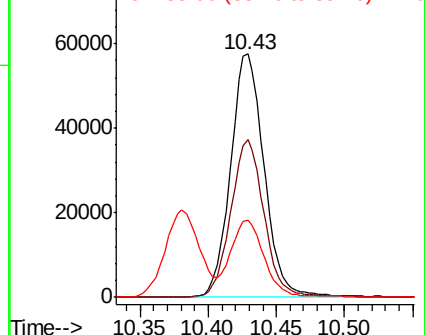
39 31.4 14.5 43.6



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: 19.350 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056627.D

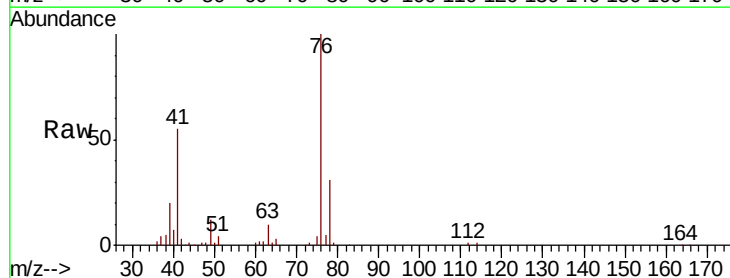
Acq: 9 Jul 2019 14:06

Tgt Ion: 76 Resp: 109431

Ion Ratio Lower Upper

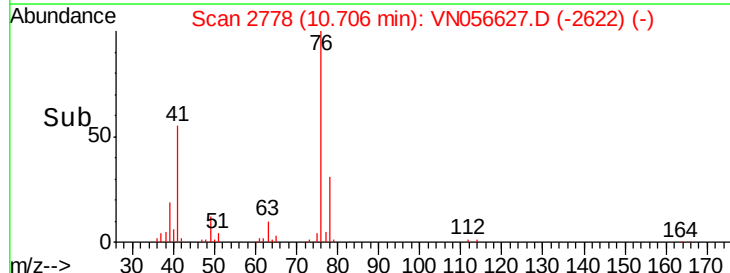
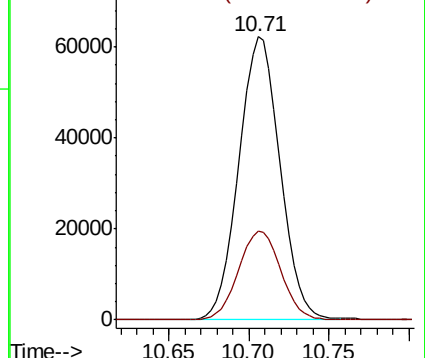
76 100

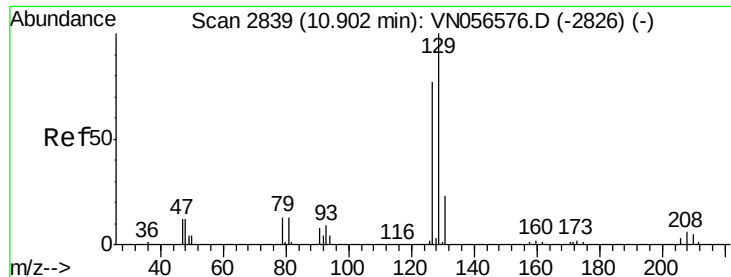
78 32.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.484 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

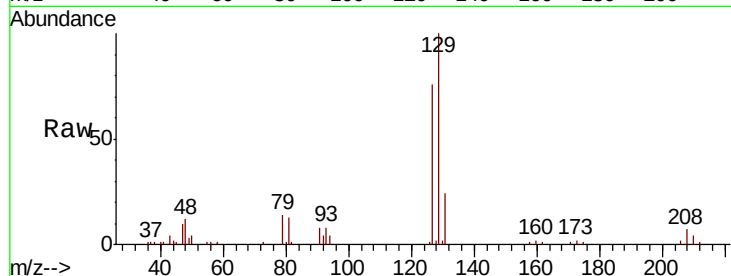
VN0709WBSD01

Tot Ion:129 Resp: 63556

Ion Ratio Lower Upper

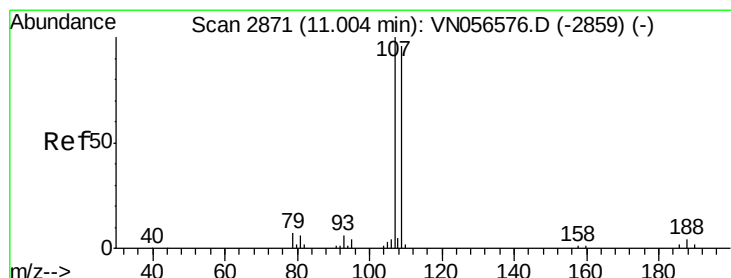
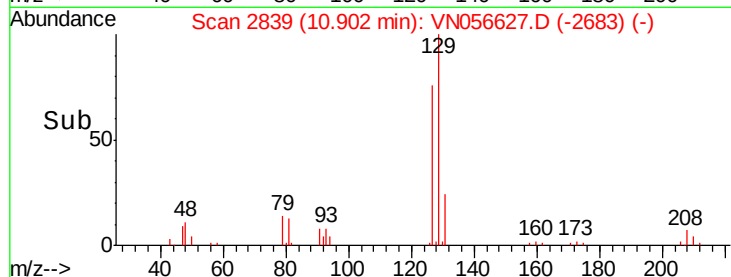
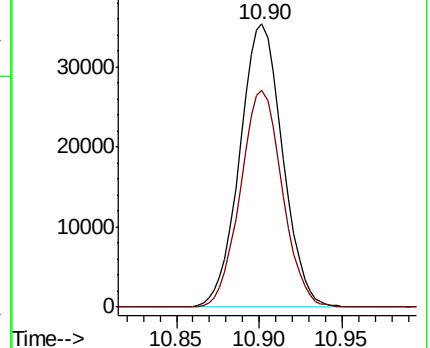
129 100

127 74.8 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.013 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056627.D

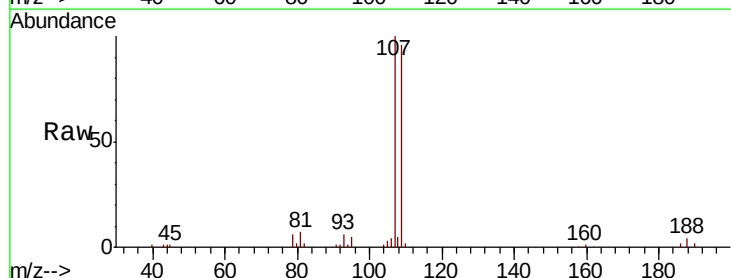
Acq: 9 Jul 2019 14:06

Tgt Ion:107 Resp: 65932

Ion Ratio Lower Upper

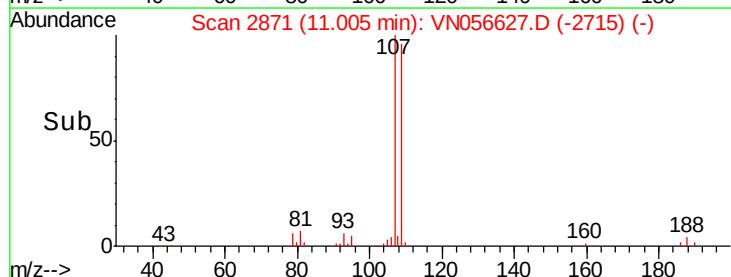
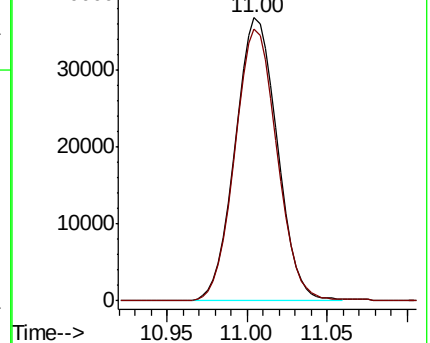
107 100

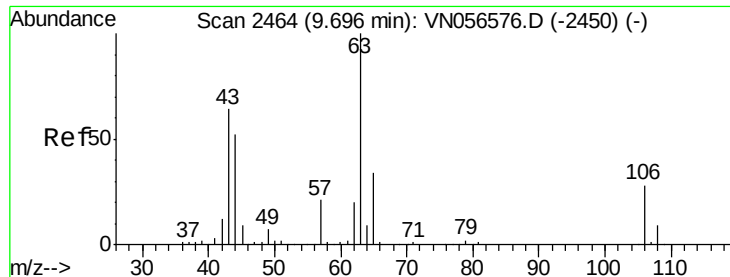
109 96.0 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

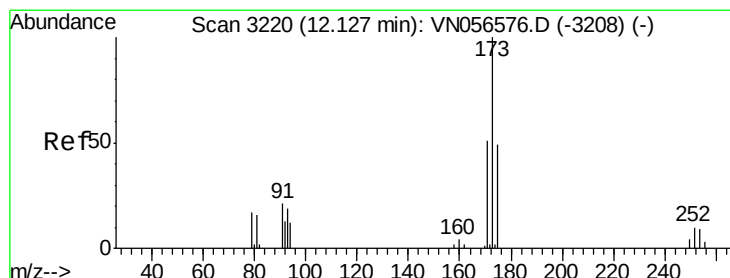
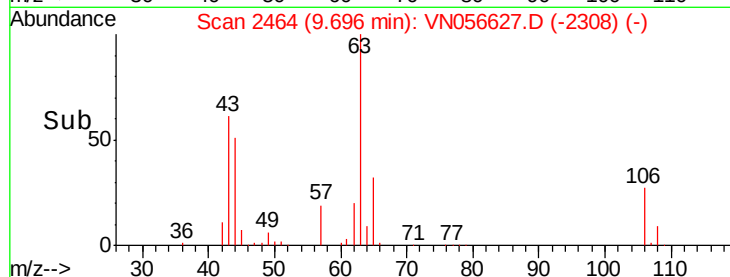
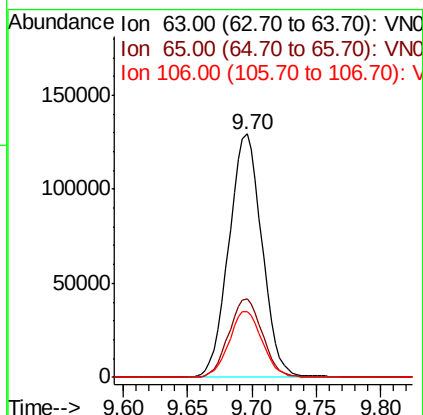
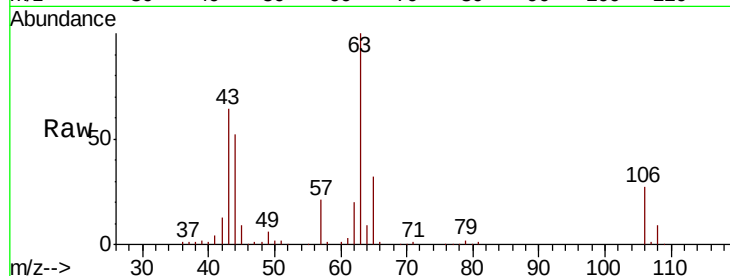




#55
2-Chloroethyl vinyl ether
Concen: 86.697 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

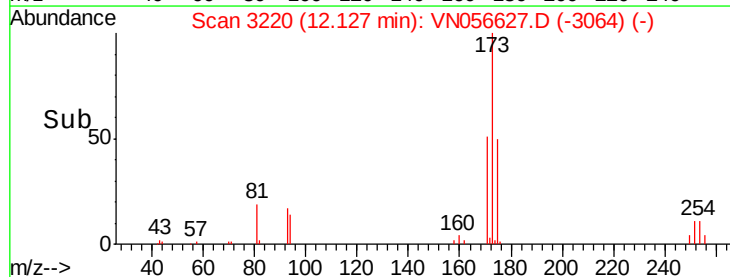
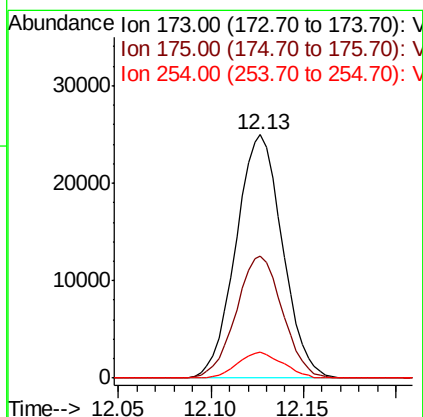
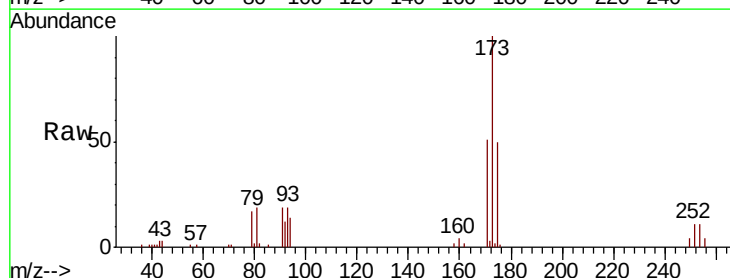
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

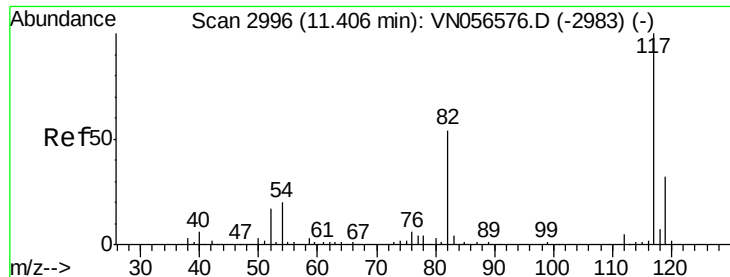
Tot Ion: 63 Resp: 231560
Ion Ratio Lower Upper
63 100
65 32.5 25.5 38.3
106 27.1 23.0 34.4



#56
Bromoform
Concen: 18.319 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 173 Resp: 43421
Ion Ratio Lower Upper
173 100
175 50.0 38.7 58.1
254 10.2 6.6 9.8#

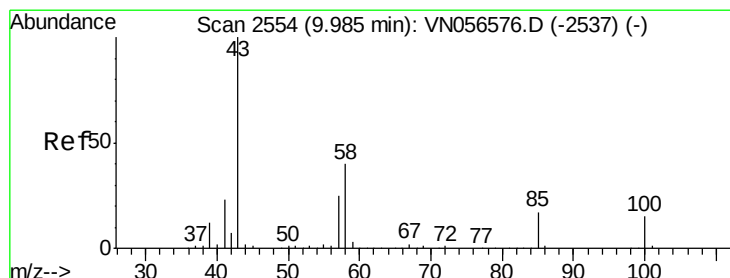
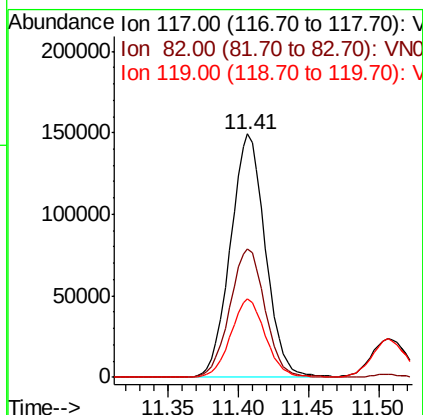
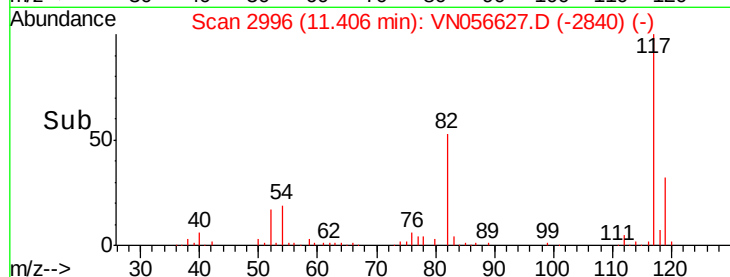
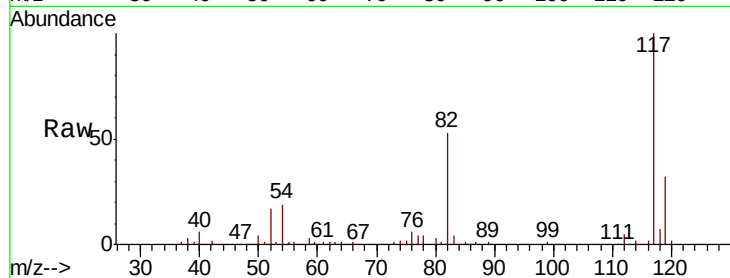




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

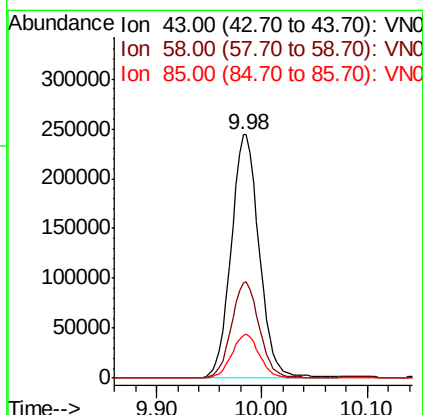
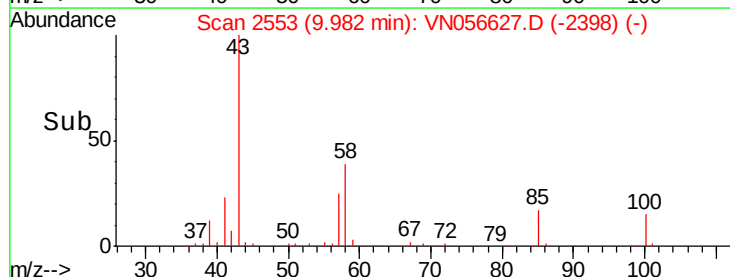
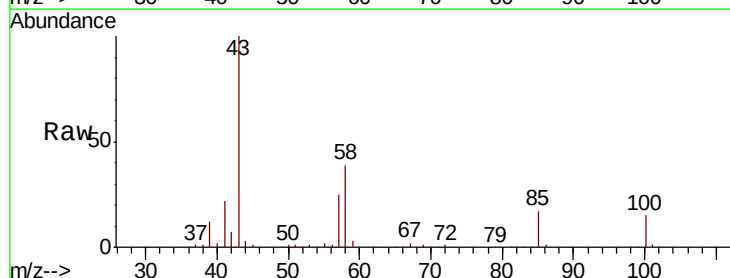
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

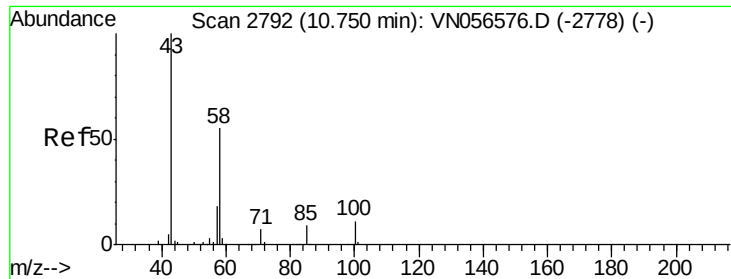
Tot Ion:117 Resp: 258203
Ion Ratio Lower Upper
117 100
82 53.5 41.2 61.8
119 32.0 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 96.469 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 43 Resp: 447851
Ion Ratio Lower Upper
43 100
58 39.2 33.1 49.7
85 17.7 15.5 23.3

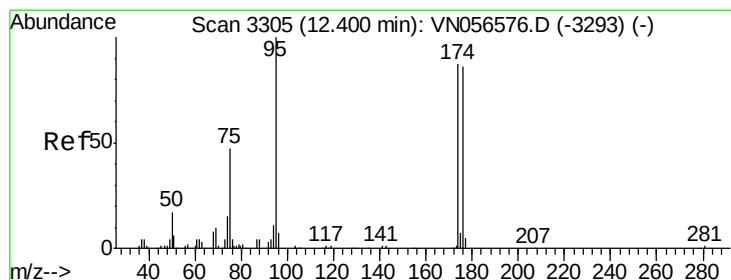
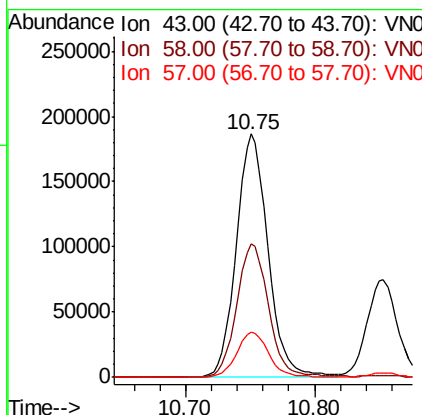
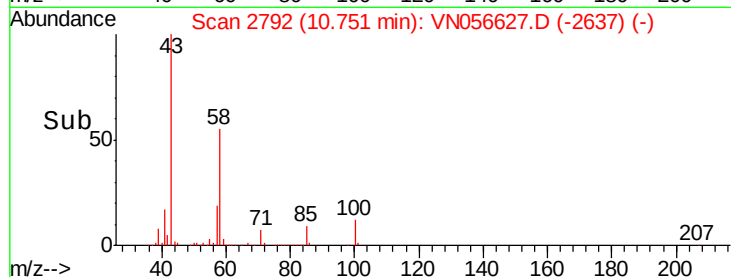
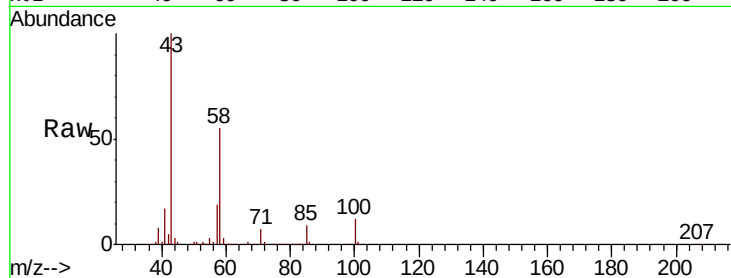




#59
2-Hexanone
Concen: 92.339 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

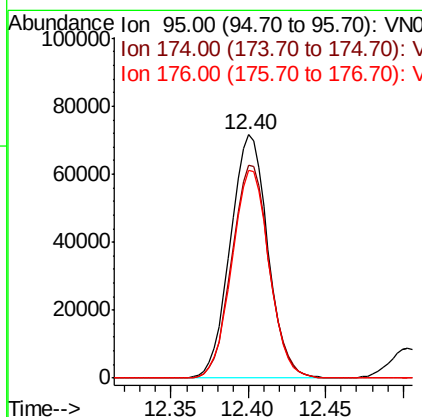
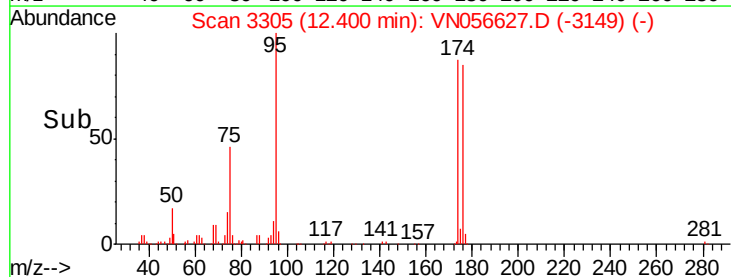
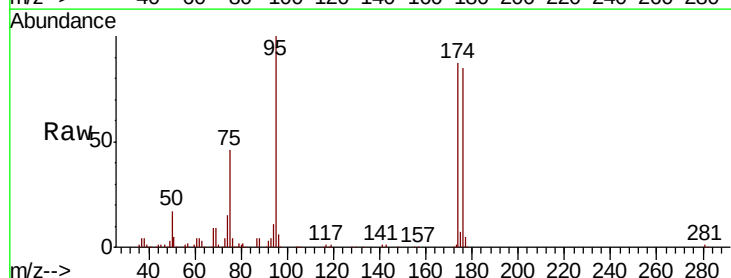
Instrument :
MSVOA_N
ClientSampled :
VN0709WBSD01

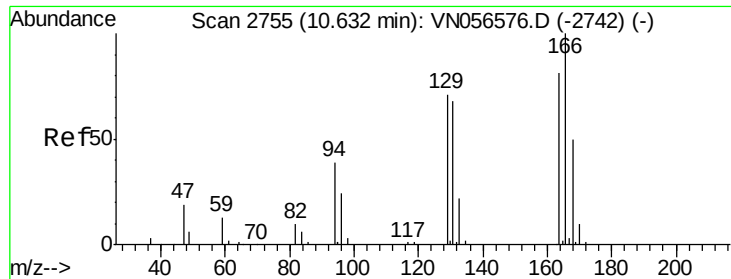
Tot Ion: 43 Resp: 318099
Ion Ratio Lower Upper
43 100
58 55.5 45.3 67.9
57 18.9 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 30.332 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 95 Resp: 120347
Ion Ratio Lower Upper
95 100
174 87.4 75.4 113.0
176 85.1 73.9 110.9





#61

Tetrachloroethene

Concen: 20.051 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

Tot Ion:164 Resp: 64980

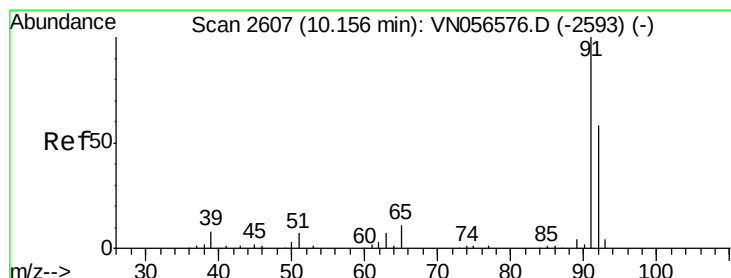
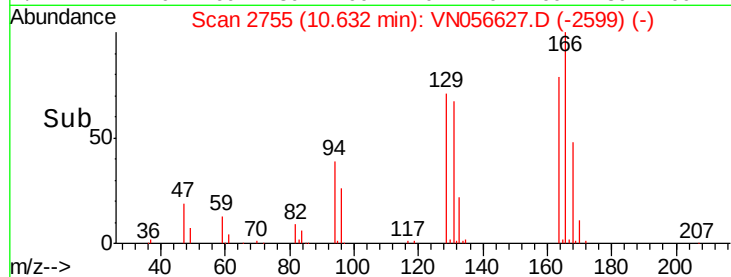
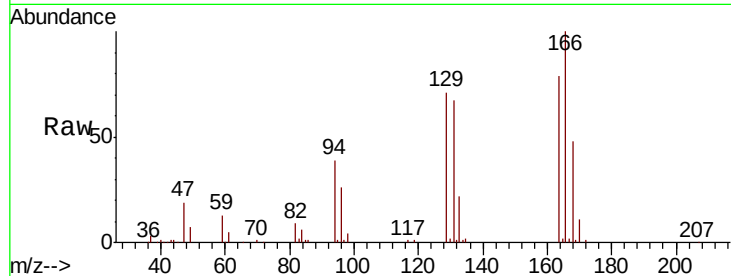
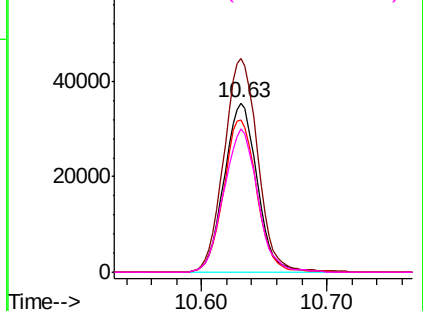
Ion	Ratio	Lower	Upper
164	100		
166	126.3	104.3	156.5
129	89.9	71.5	107.3
131	84.7	67.7	101.5

Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.246 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056627.D

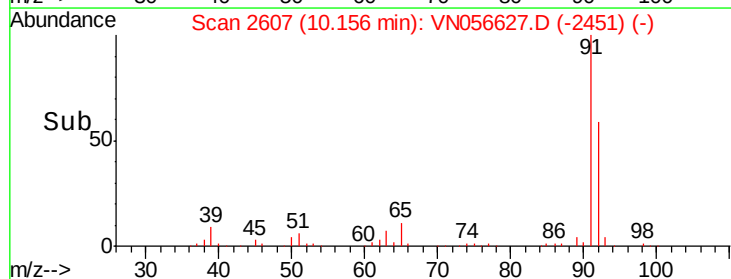
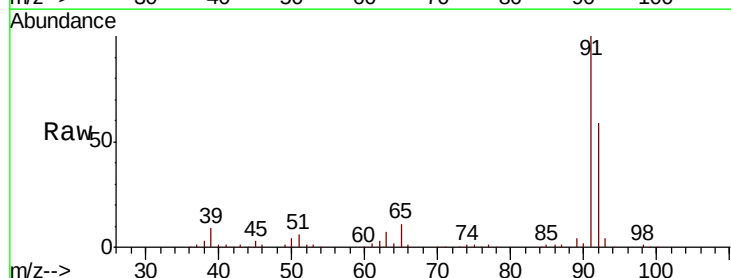
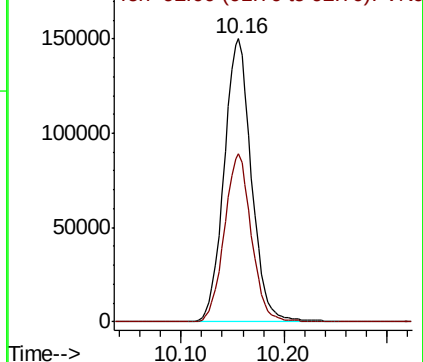
Acq: 9 Jul 2019 14:06

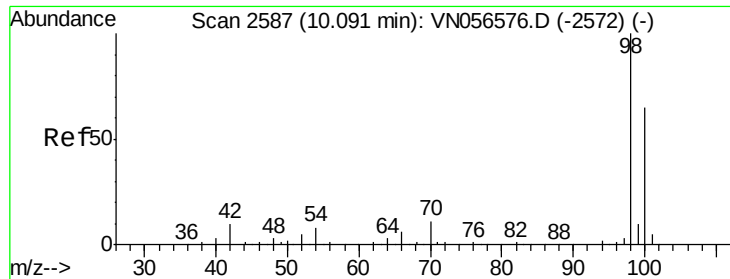
Tgt Ion: 91 Resp: 277346

Ion	Ratio	Lower	Upper
91	100		
92	58.6	45.5	68.3

Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

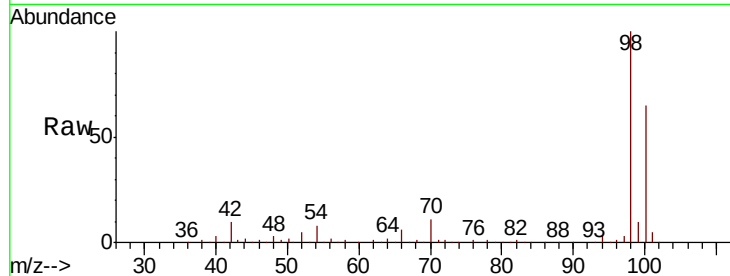




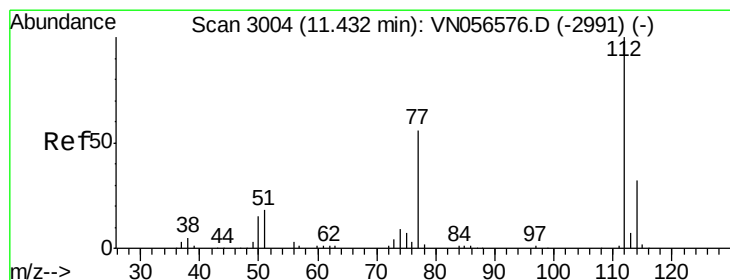
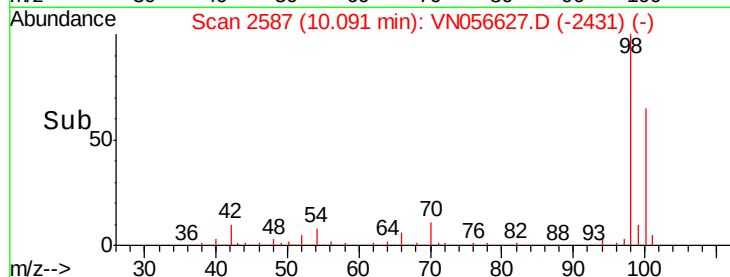
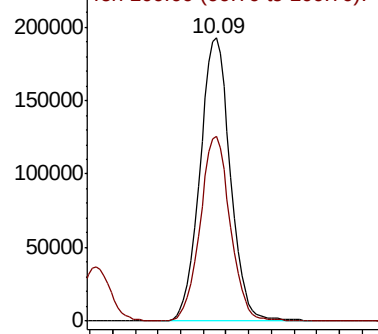
#63
Toluene-d8
Concen: 30.006 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion: 98 Resp: 360028
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

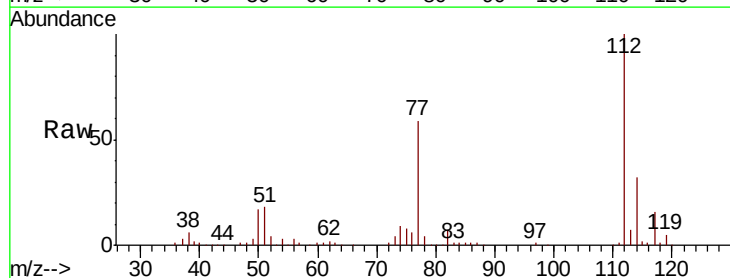


Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)
Ion 100.00 (99.70 to 100.70): VN056627.D (-2431) (-)

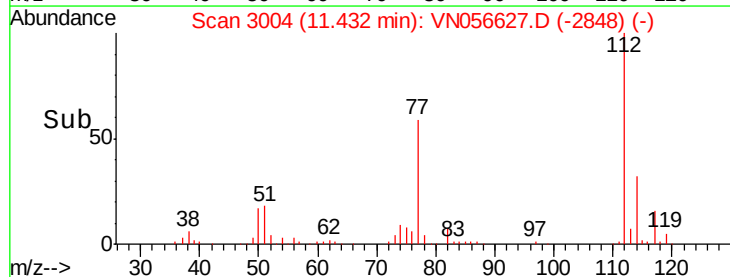
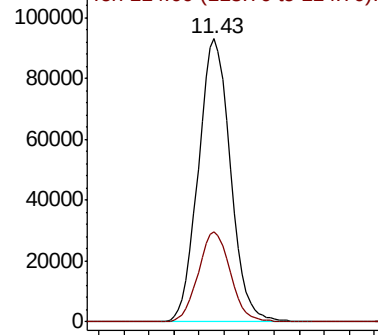


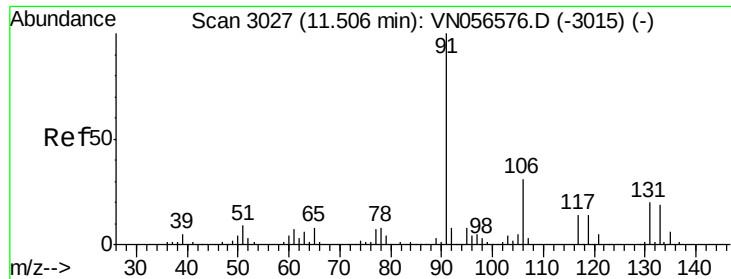
#64
Chlorobenzene
Concen: 19.065 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 112 Resp: 165515
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)
Ion 114.00 (113.70 to 114.70): VN056627.D (-2848) (-)

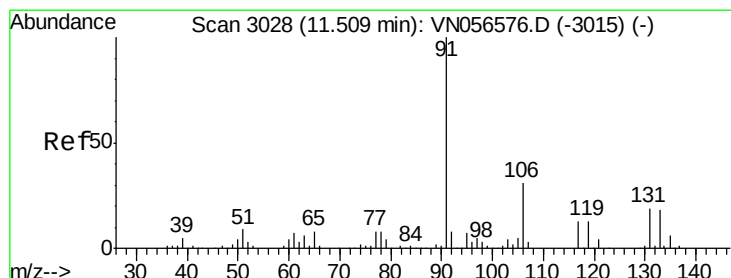
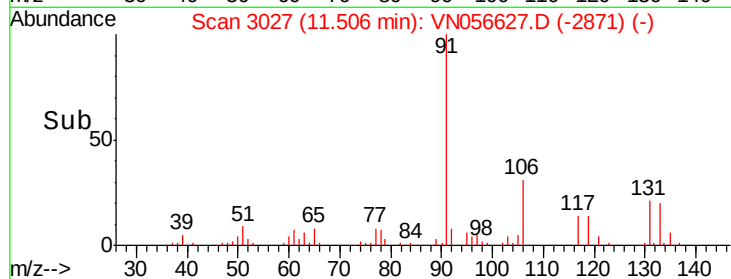
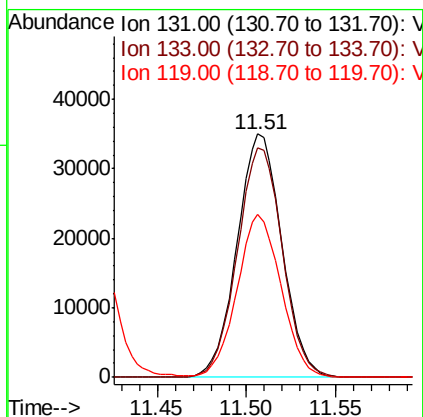
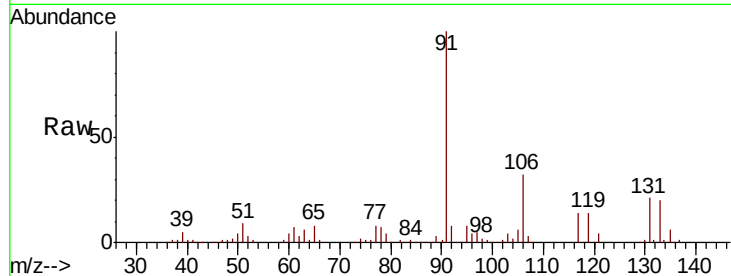




#65
1,1,1,2-Tetrachloroethane
Concen: 19.545 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

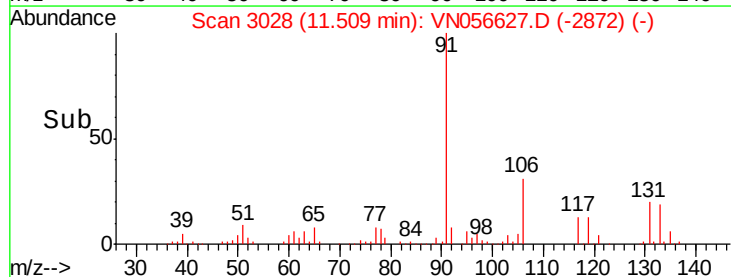
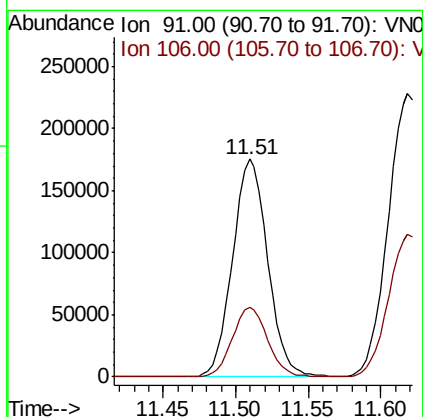
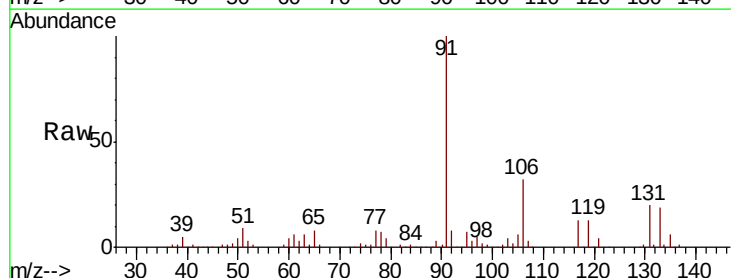
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

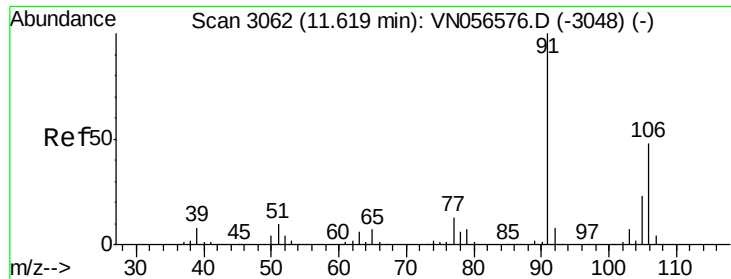
Tot Ion:131 Resp: 61110
Ion Ratio Lower Upper
131 100
133 94.8 0.0 193.8
119 65.8 0.0 134.4



#66
Ethyl Benzene
Concen: 18.908 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 91 Resp: 295437
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

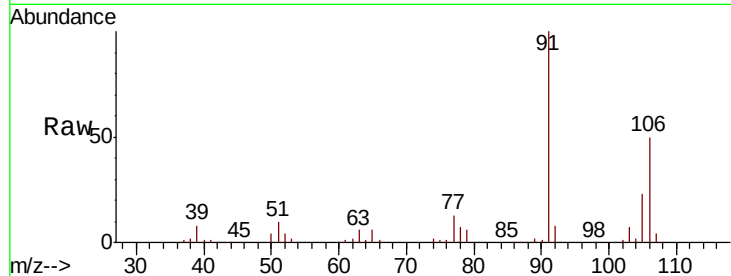




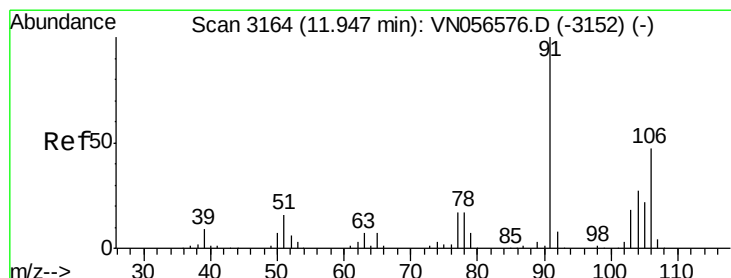
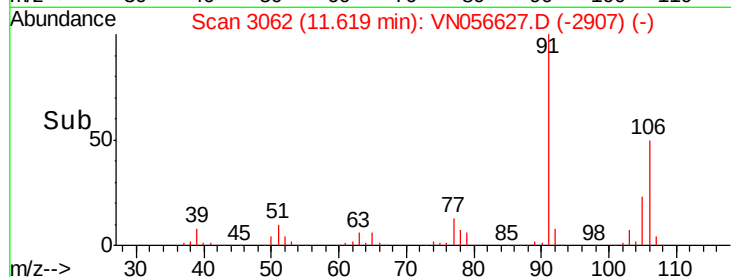
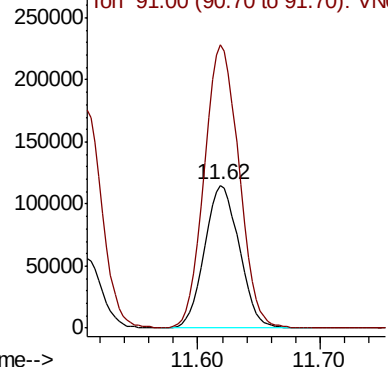
#67
m/p-Xylenes
Concen: 39.396 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0709WBSD01

Tot Ion:106 Resp: 227168
Ion Ratio Lower Upper
106 100
91 198.4 155.7 233.5

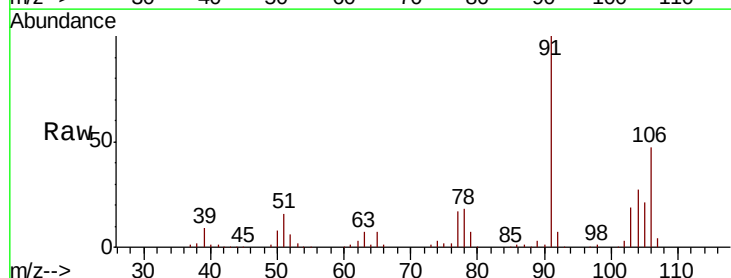


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

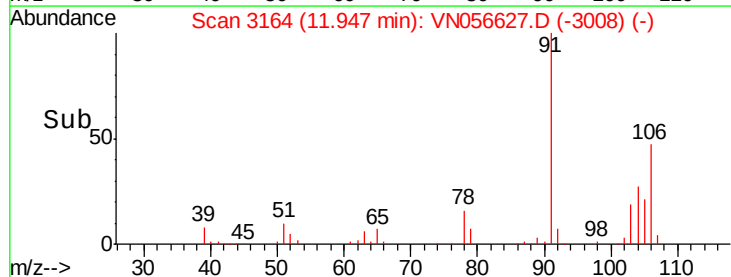
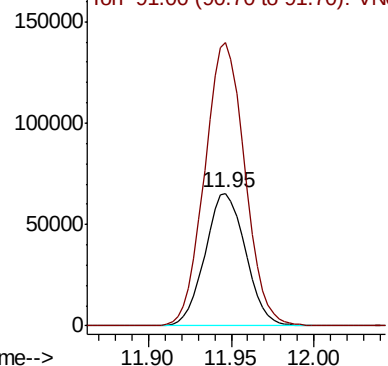


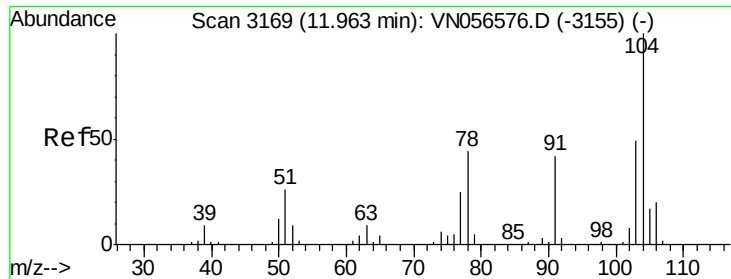
#68
o-Xylene
Concen: 19.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion:106 Resp: 111234
Ion Ratio Lower Upper
106 100
91 212.0 103.9 311.7



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

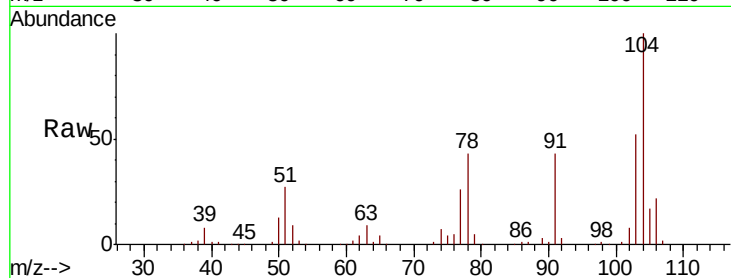




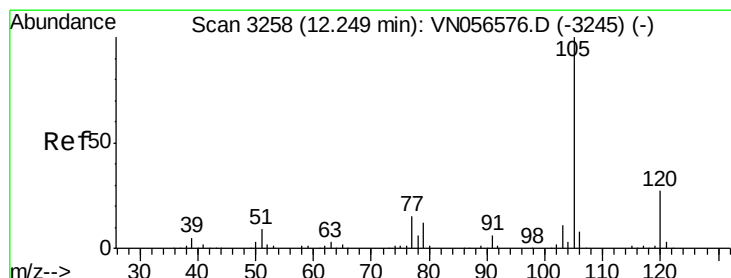
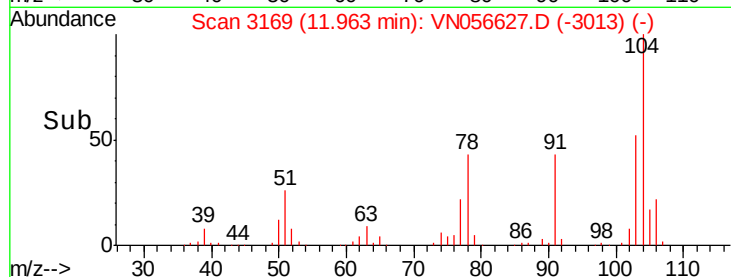
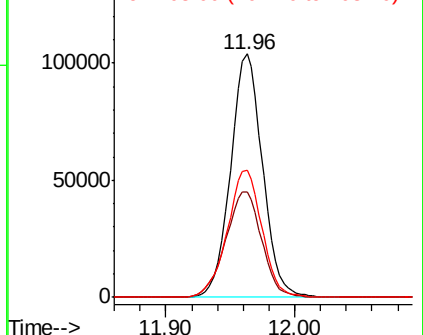
#69
Stvrene
Concen: 18.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0709WBSD01

Tot Ion:104 Resp: 178908
Ion Ratio Lower Upper
104 100
78 48.7 37.0 55.6
103 56.5 44.4 66.6

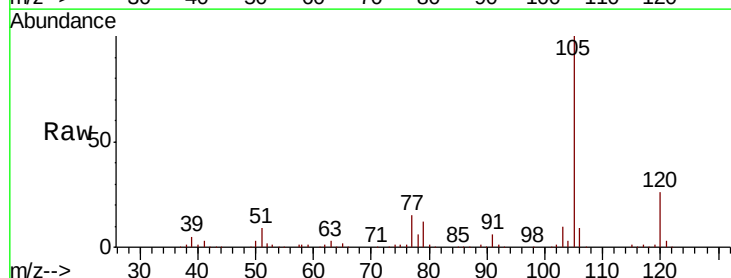


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

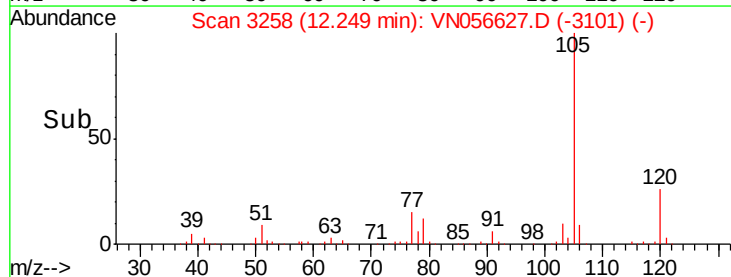
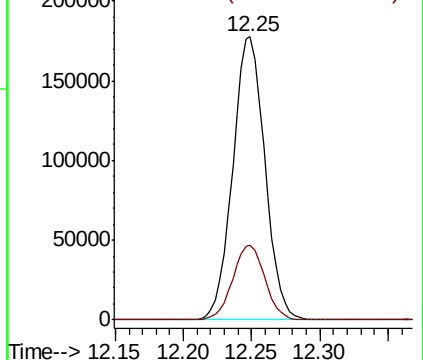


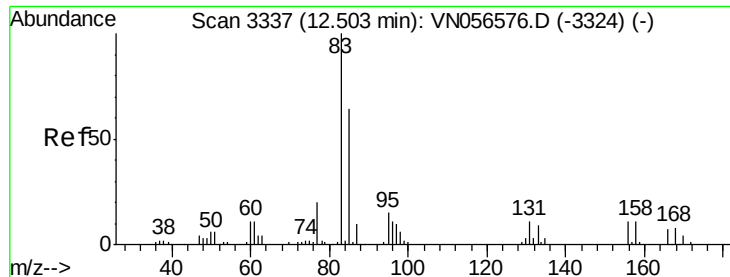
#70
Isopropylbenzene
Concen: 19.524 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion:105 Resp: 290487
Ion Ratio Lower Upper
105 100
120 26.4 19.3 35.8



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

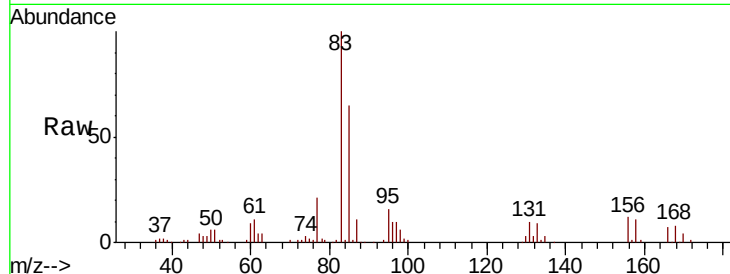




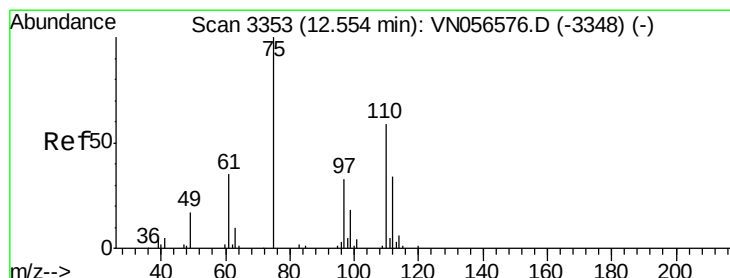
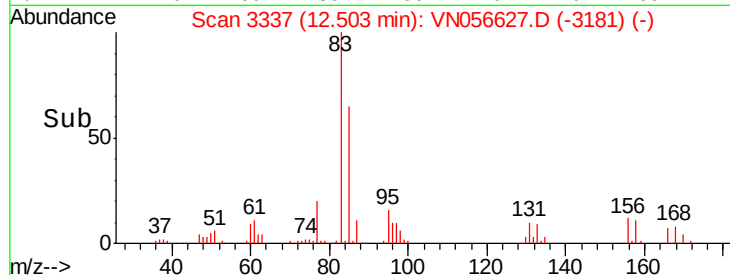
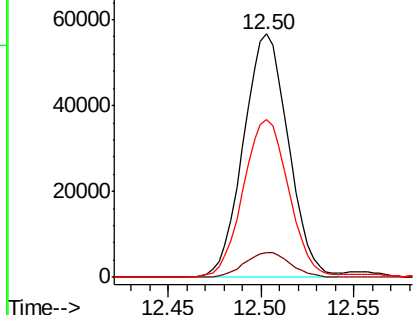
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.453 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion: 83 Resp: 95688
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.2 15.6
 85 65.6 31.6 94.7

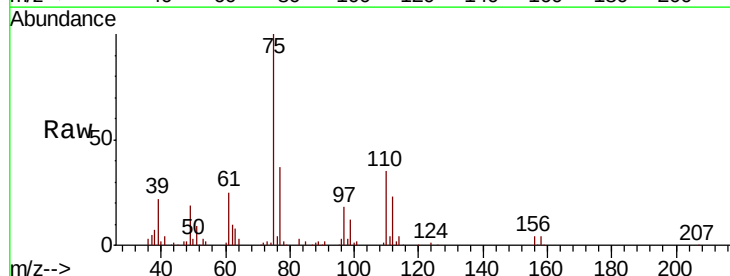


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

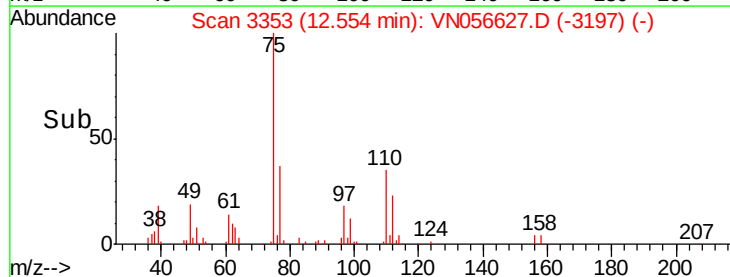
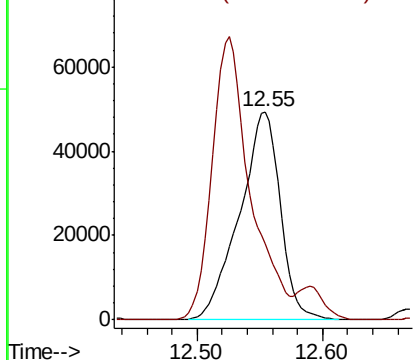


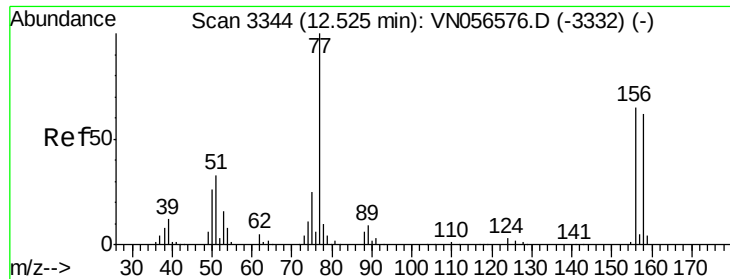
#72
 1,2,3-Trichloropropane
 Concen: 26.962 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion: 75 Resp: 111530
 Ion Ratio Lower Upper
 75 100
 77 126.6 0.0 350.0



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





#73

Bromobenzene

Concen: 19.104 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

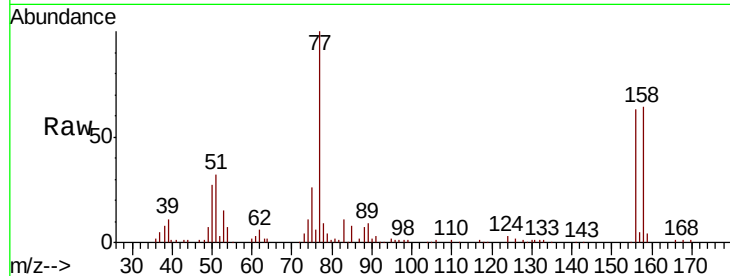
Tot Ion:156 Resp: 73309

Ion Ratio Lower Upper

156 100

77 192.7 0.0 350.8

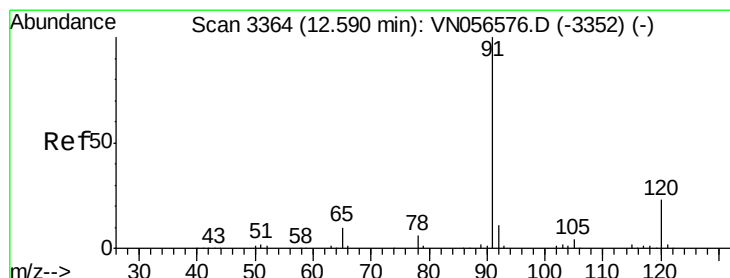
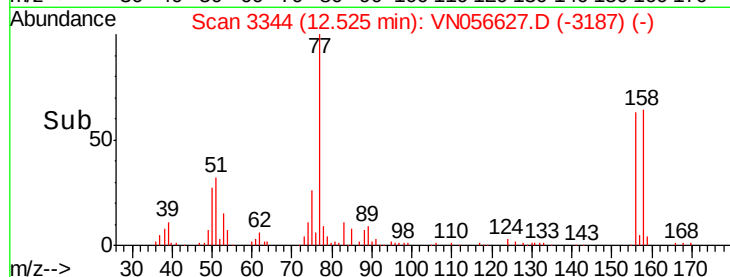
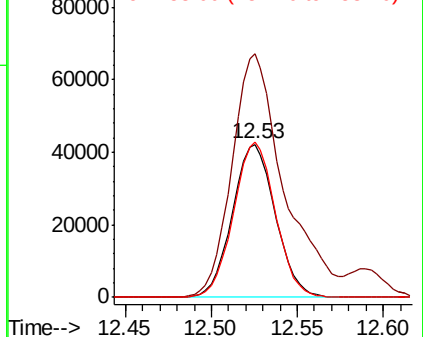
158 98.8 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.231 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056627.D

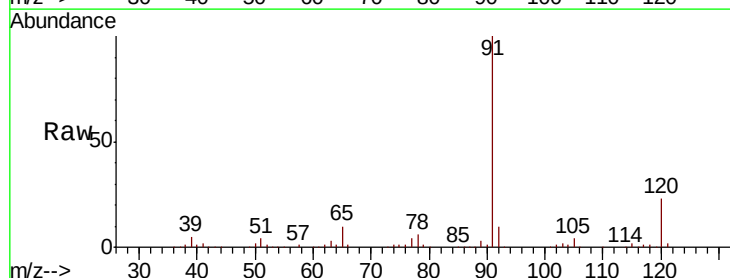
Acq: 9 Jul 2019 14:06

Tgt Ion: 91 Resp: 324633

Ion Ratio Lower Upper

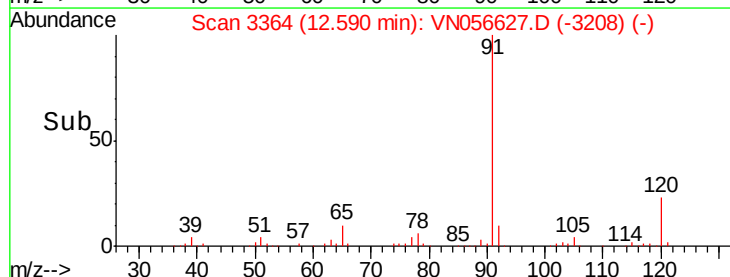
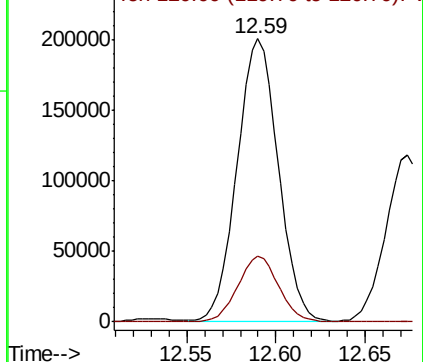
91 100

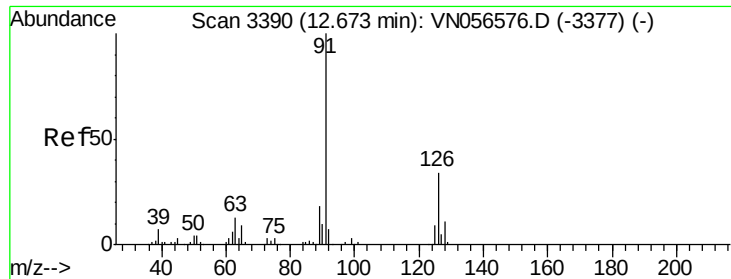
120 23.0 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.378 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

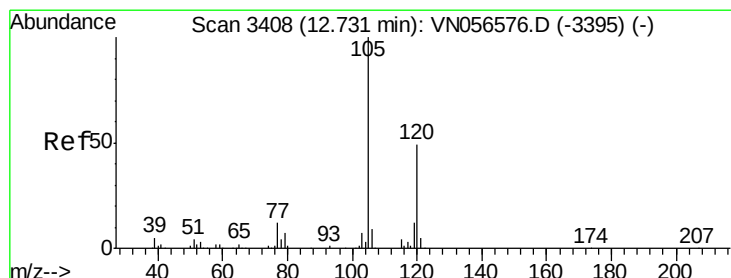
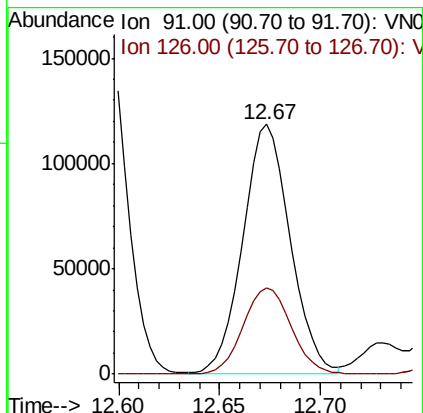
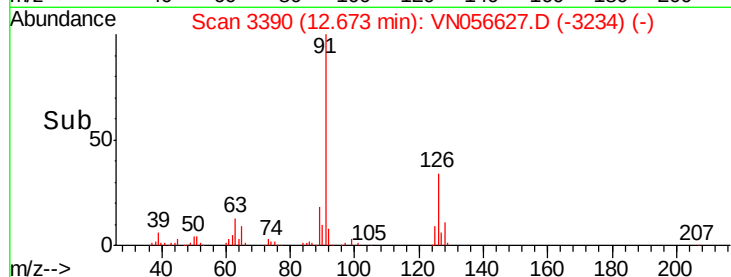
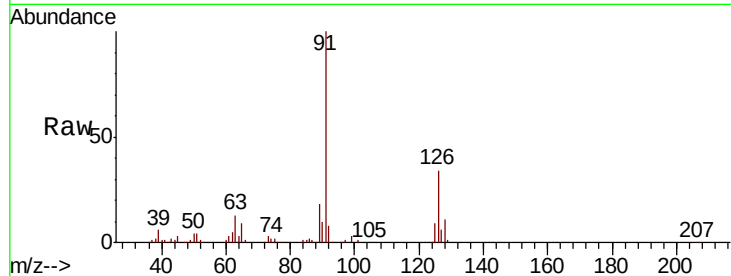
VN0709WBSD01

Tot Ion: 91 Resp: 195595

Ion Ratio Lower Upper

91 100

126 35.1 0.0 72.4



#76

1,3,5-Trimethylbenzene

Concen: 19.502 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056627.D

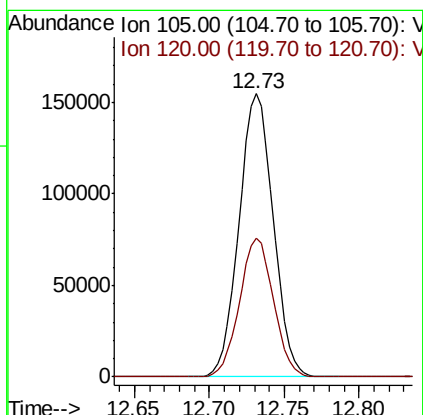
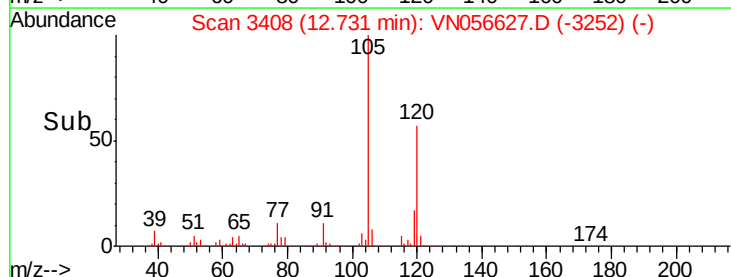
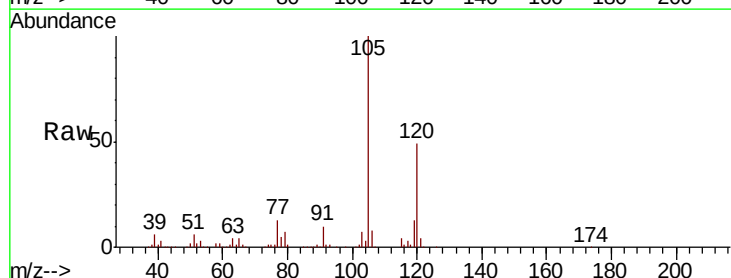
Acq: 9 Jul 2019 14:06

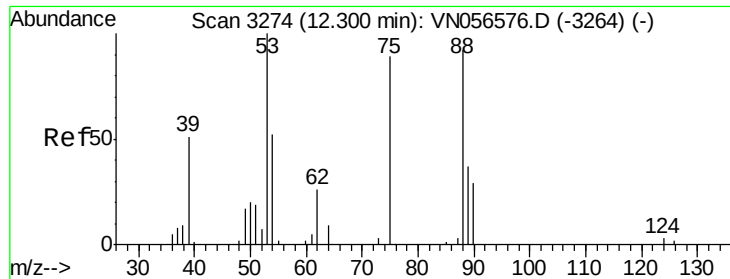
Tgt Ion: 105 Resp: 245706

Ion Ratio Lower Upper

105 100

120 48.7 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 16.952 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0709WBSD01

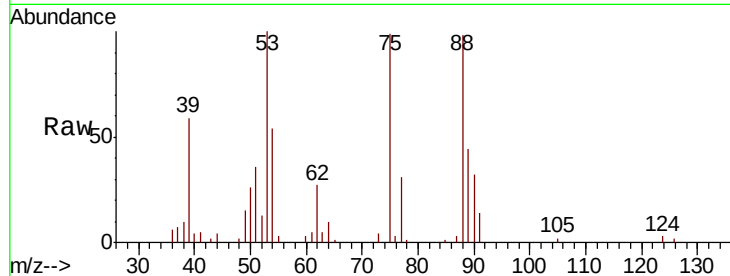
Tot Ion: 75 Resp: 22461

Ion Ratio Lower Upper

75 100

53 100.8 48.0 144.0

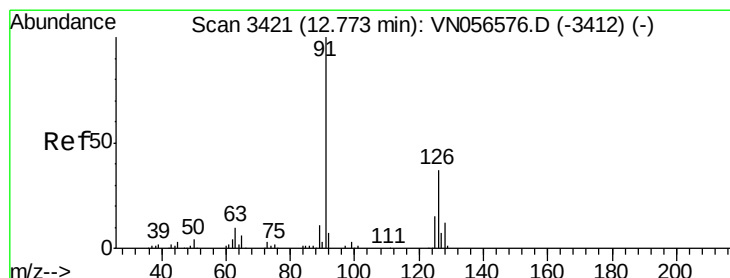
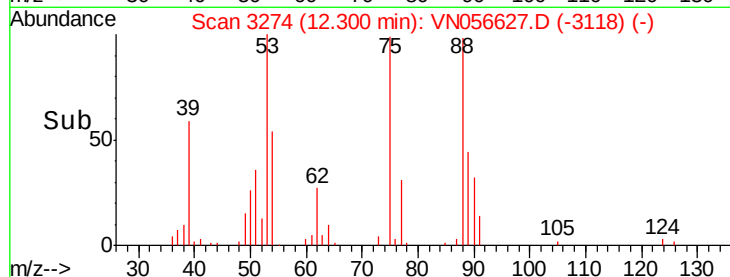
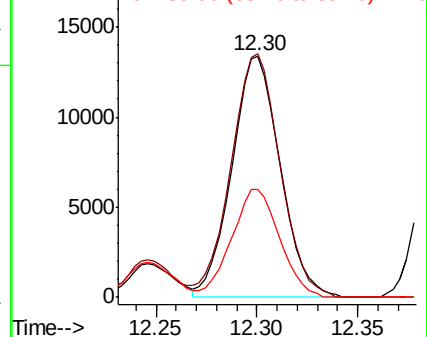
89 44.7 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.116 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056627.D

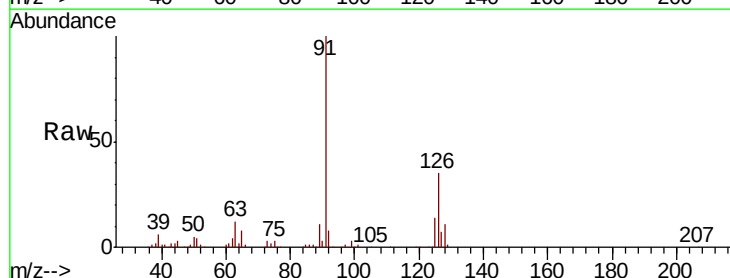
Acq: 9 Jul 2019 14:06

Tgt Ion: 91 Resp: 187660

Ion Ratio Lower Upper

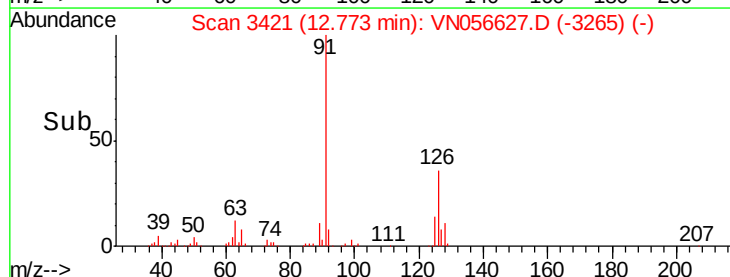
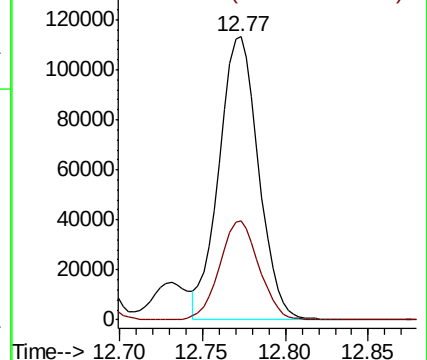
91 100

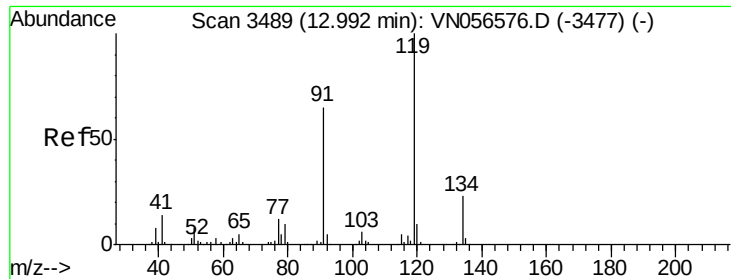
126 34.9 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

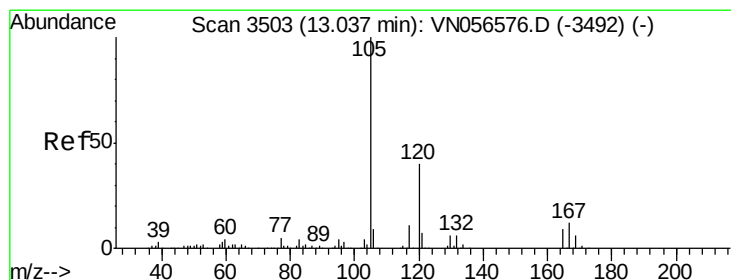
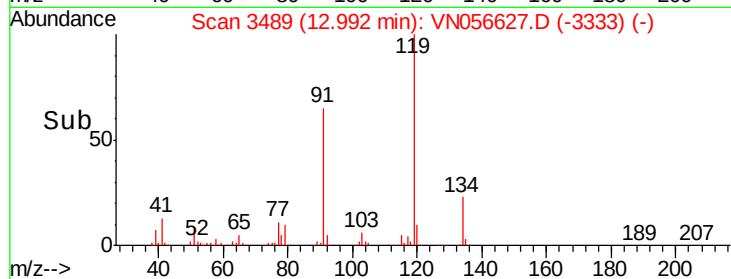
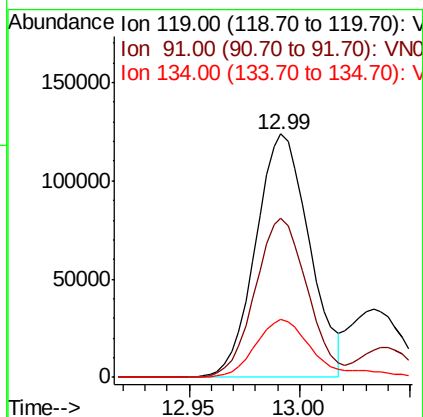
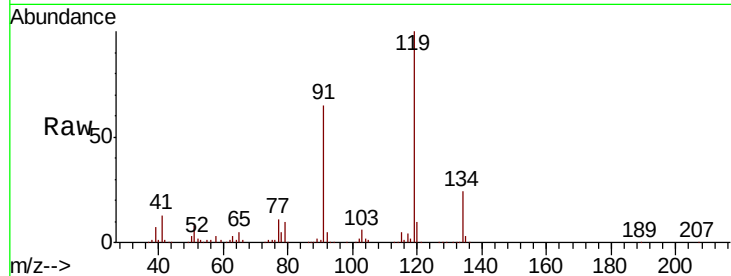




#79
 tert-butylbenzene
 Concen: 19.417 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

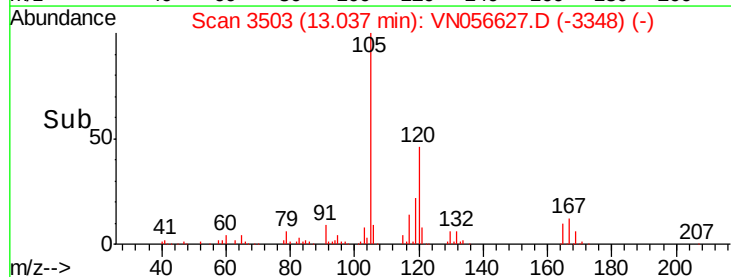
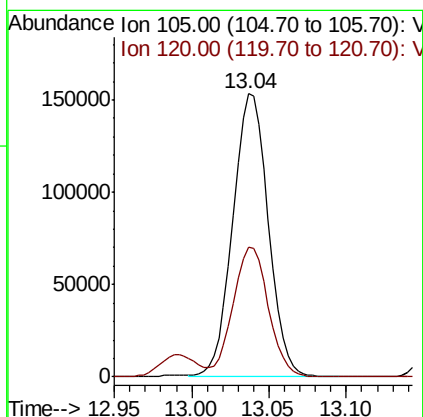
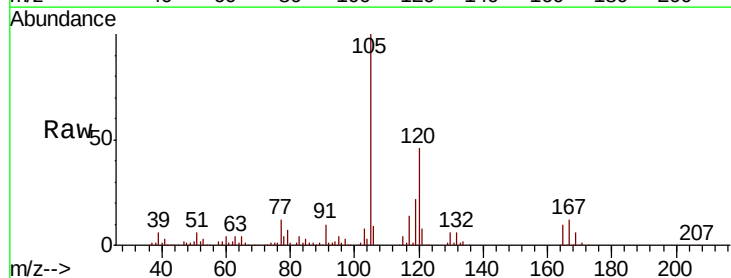
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

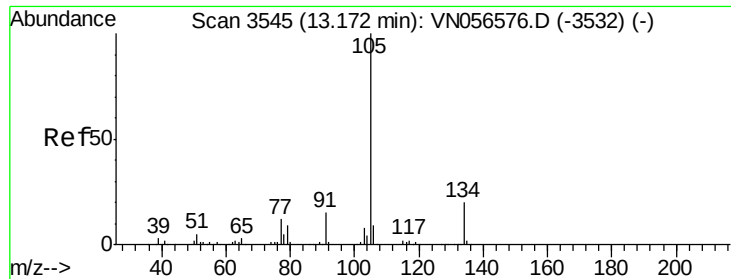
Tot Ion:119 Resp: 209021
 Ion Ratio Lower Upper
 119 100
 91 63.8 0.0 122.8
 134 26.1 0.0 50.2



#80
 1,2,4-Trimethylbenzene
 Concen: 19.640 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion:105 Resp: 244396
 Ion Ratio Lower Upper
 105 100
 120 45.3 0.0 93.4





#81

sec-Butylbenzene

Concen: 19.367 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

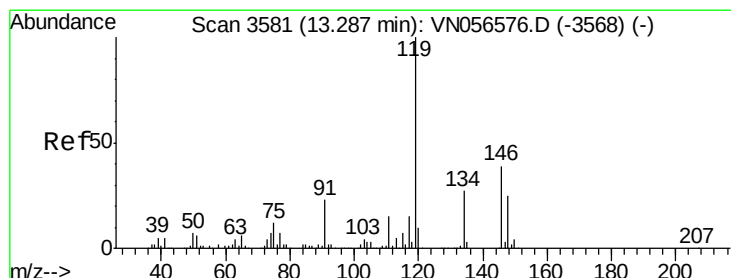
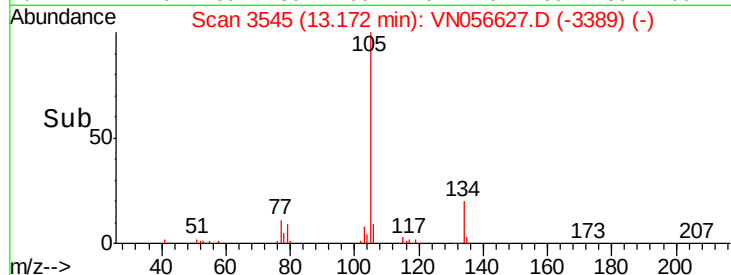
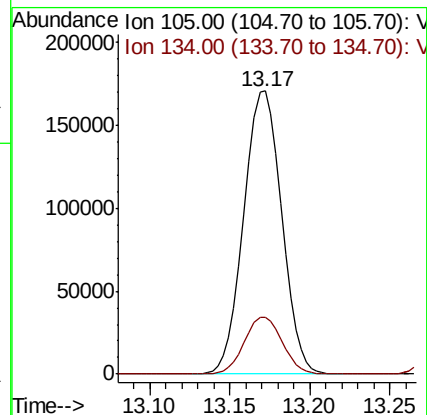
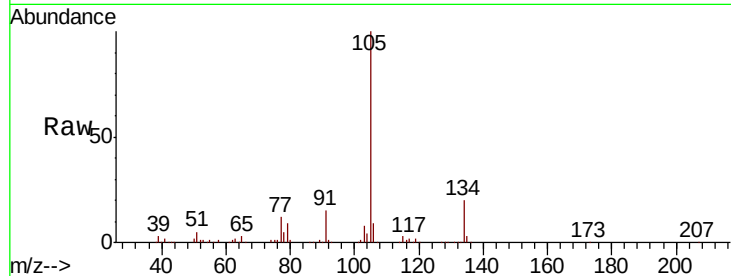
VN0709WBSD01

Tot Ion:105 Resp: 276452

Ion Ratio Lower Upper

105 100

134 20.1 0.0 41.8



#82

p-Isopropyltoluene

Concen: 19.681 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

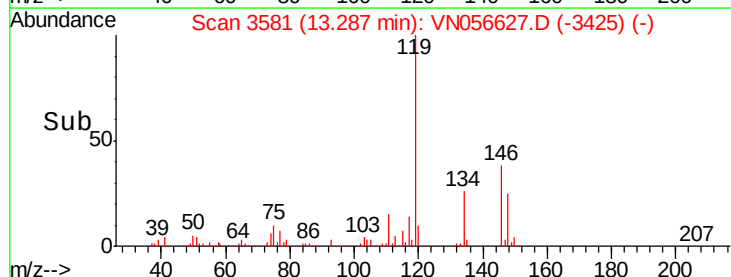
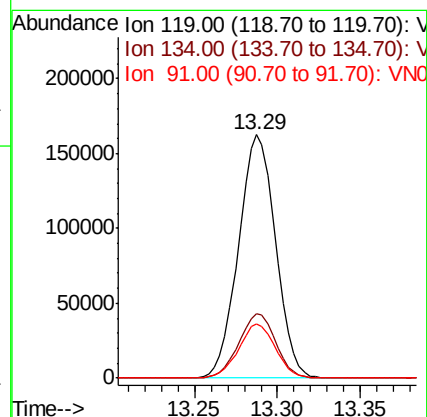
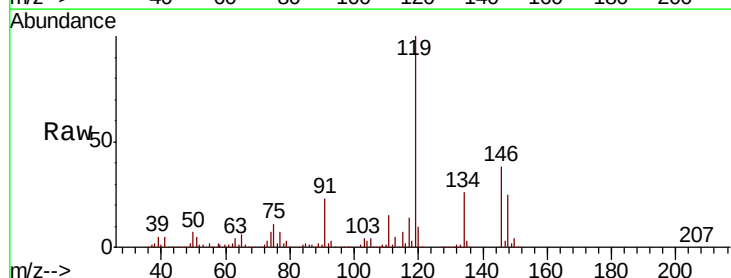
Tgt Ion:119 Resp: 252596

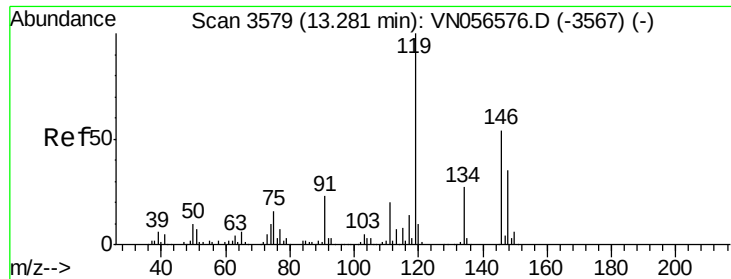
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.4

91 22.1 0.0 43.0

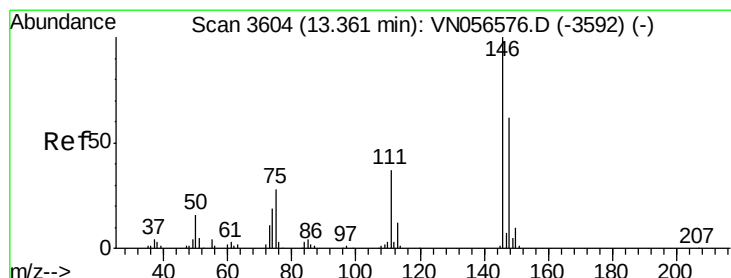
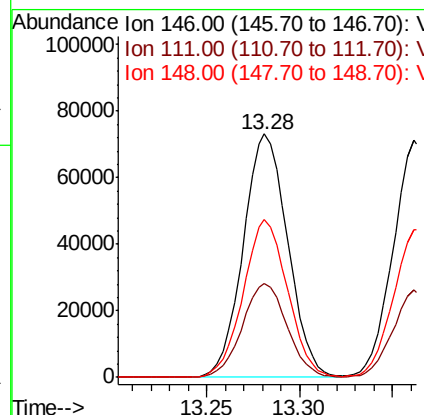
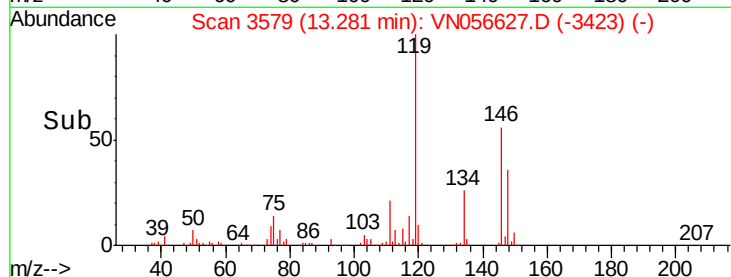
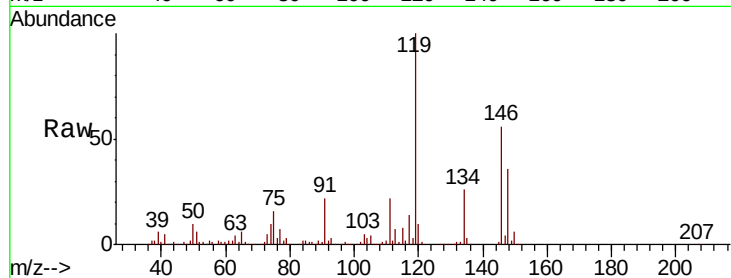




#83
 1,3-Dichlorobenzene
 Concen: 19.100 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

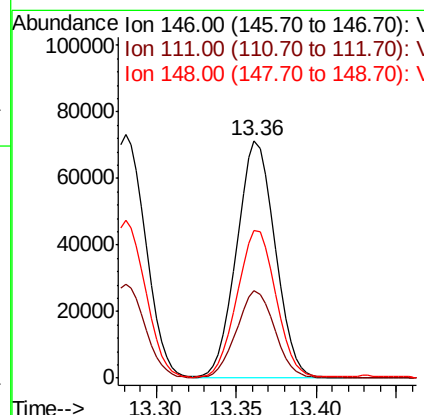
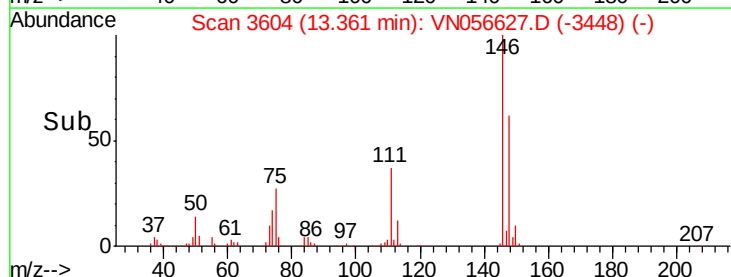
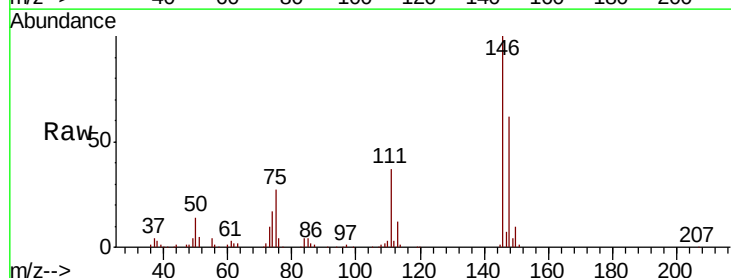
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

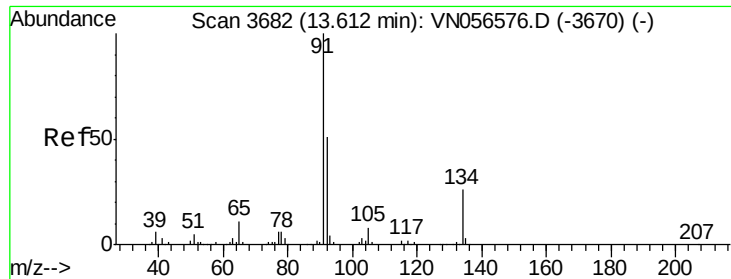
Tot Ion:146 Resp: 121712
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.2 54.6
 148 64.5 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.033 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion:146 Resp: 117001
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.6 52.9
 148 63.0 32.1 96.3





#85

n-Butylbenzene

Concen: 18.965 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0709WBSD01

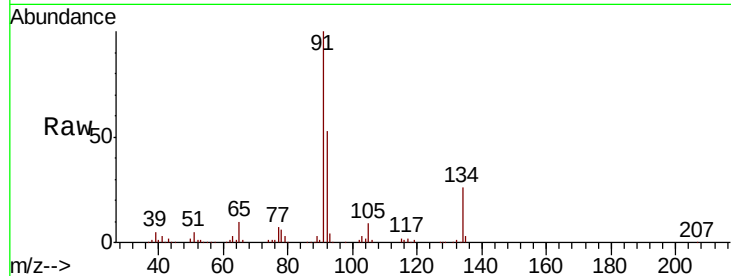
Tot Ion: 91 Resp: 204553

Ion Ratio Lower Upper

91 100

92 52.2 0.0 107.2

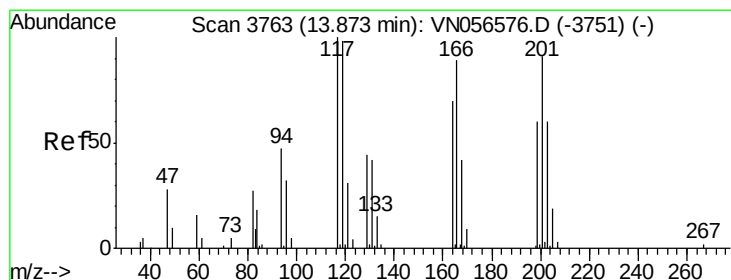
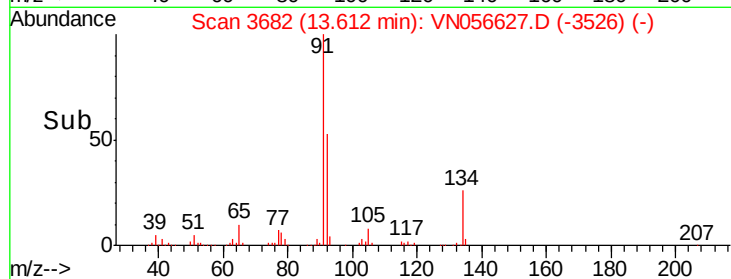
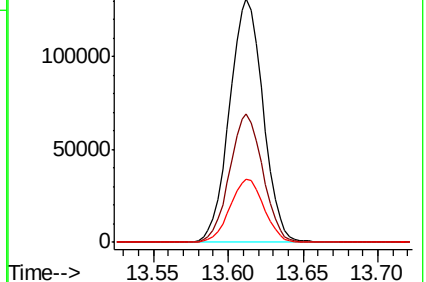
134 26.3 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056576.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056576.D (-3670) (-)



#86

Hexachloroethane

Concen: 18.867 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056627.D

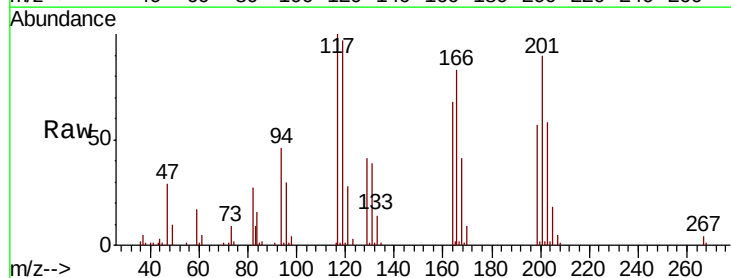
Acq: 9 Jul 2019 14:06

Tgt Ion: 117 Resp: 36511

Ion Ratio Lower Upper

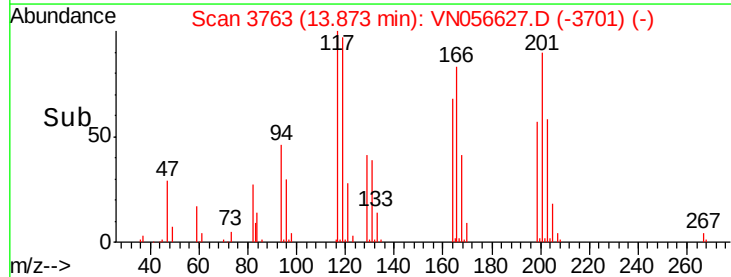
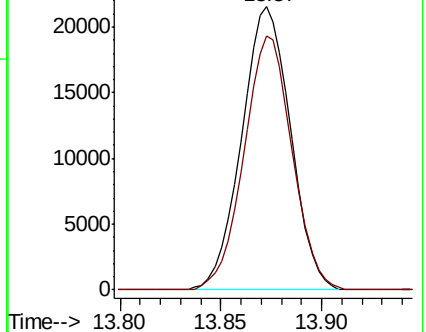
117 100

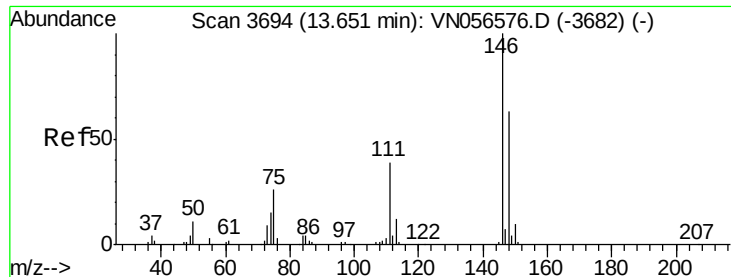
201 88.2 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056576.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 19.603 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

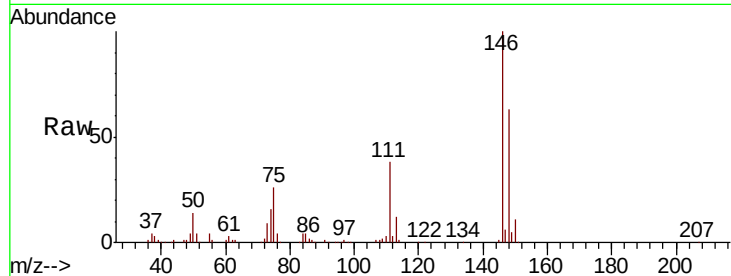
Tot Ion:146 Resp: 126858

Ion Ratio Lower Upper

146 100

111 39.2 19.3 57.9

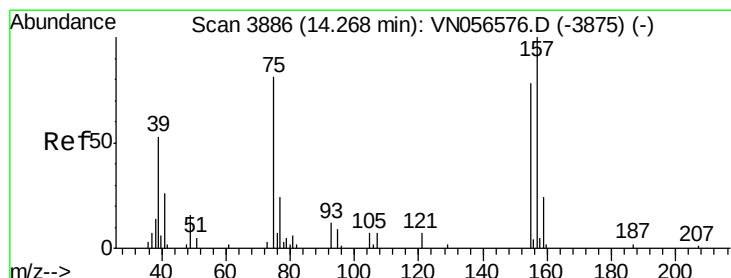
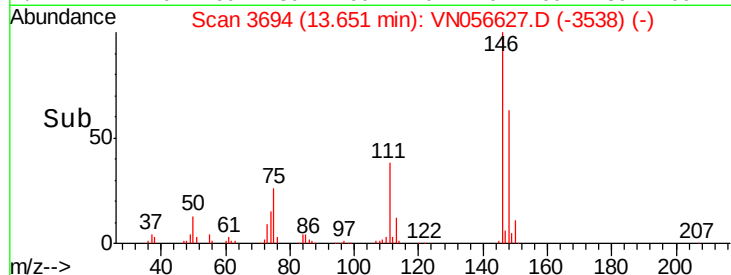
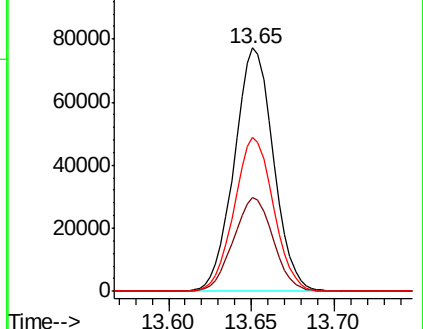
148 63.5 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.472 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

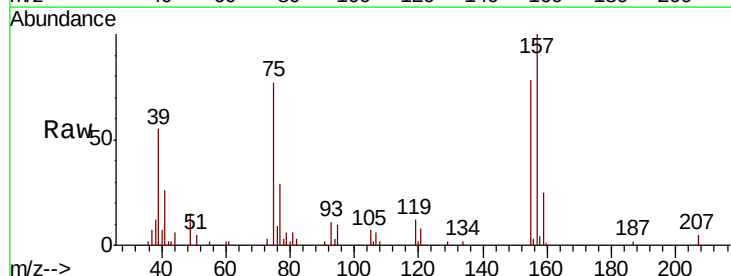
Tgt Ion: 75 Resp: 15400

Ion Ratio Lower Upper

75 100

155 99.4 82.5 123.7

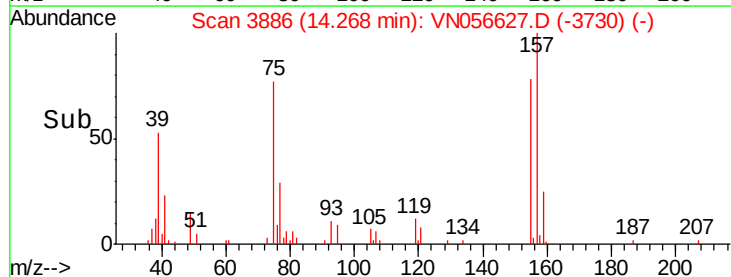
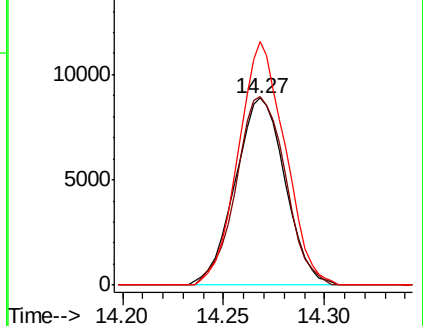
157 122.1 105.1 157.7

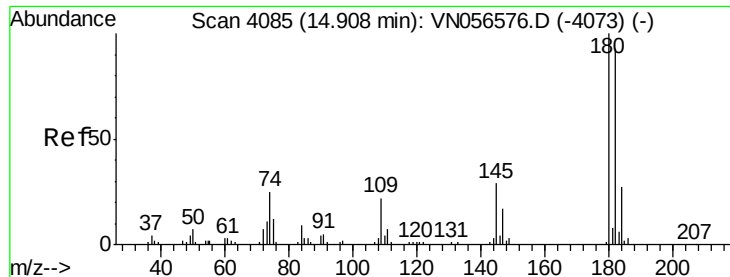


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

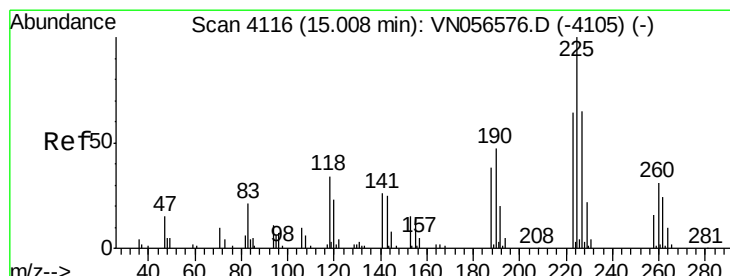
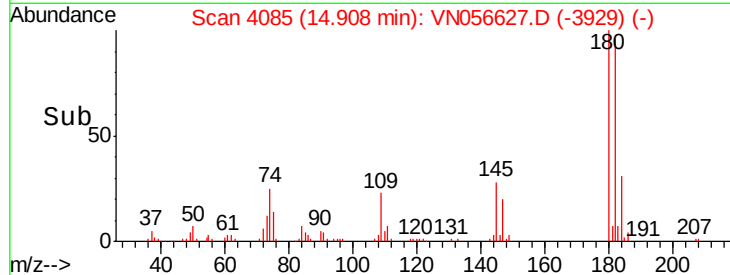
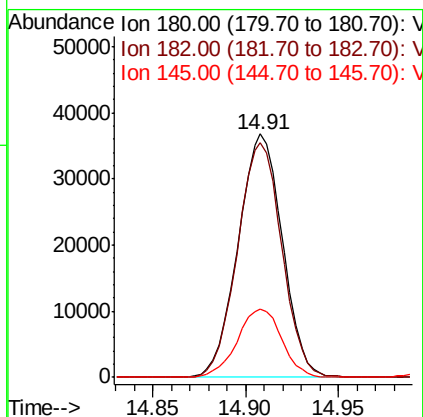
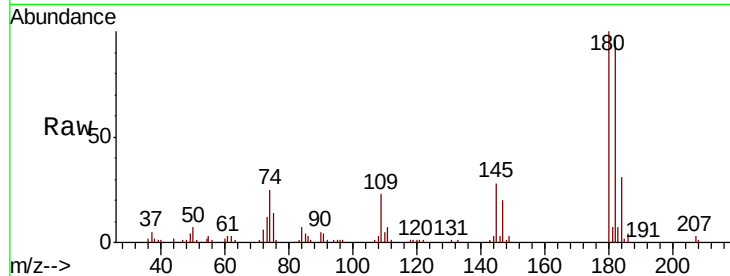




#89
 1,2,4-Trichlorobenzene
 Concen: 17.137 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

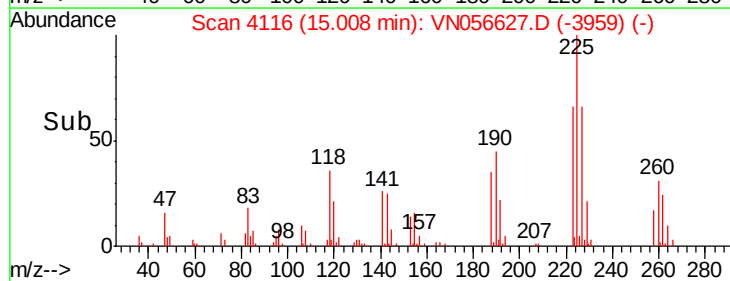
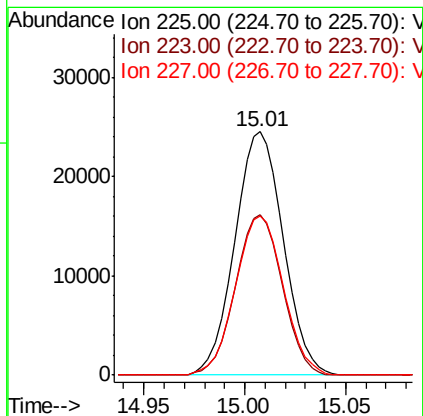
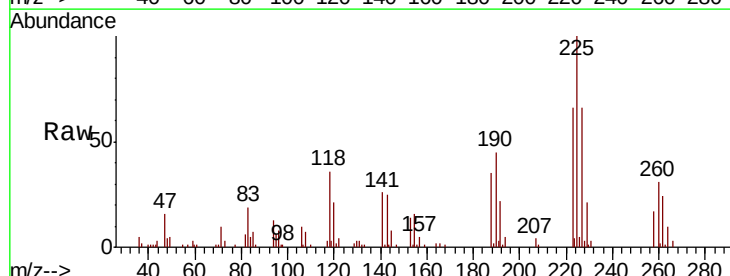
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

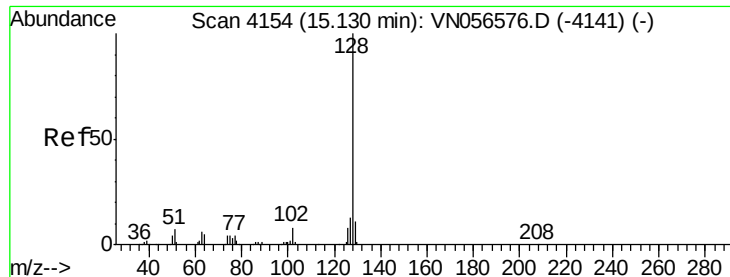
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.0	112.6
145	28.2	22.1	33.1



#90
 Hexachlorobutadiene
 Concen: 18.583 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	125.6
227	64.6	0.0	128.6





#91

Naphthalene

Concen: 16.370 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBSD01

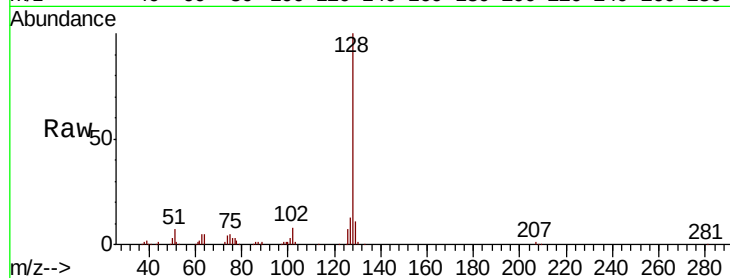
Tot Ion:128 Resp: 164322

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

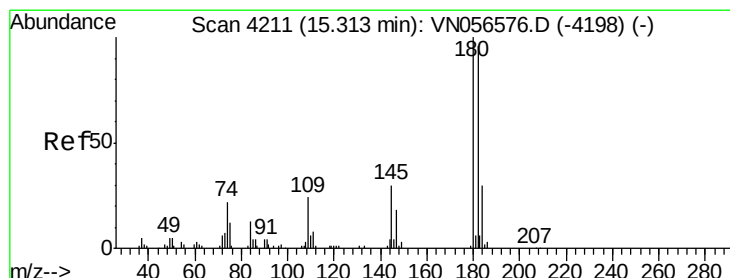
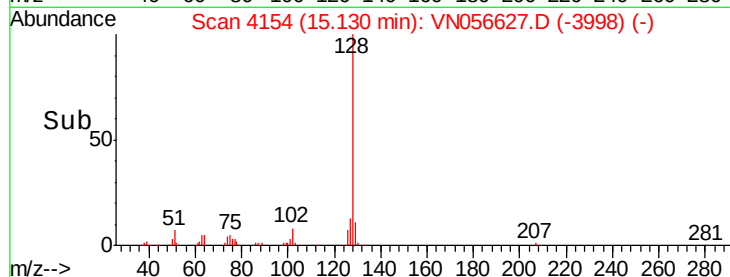
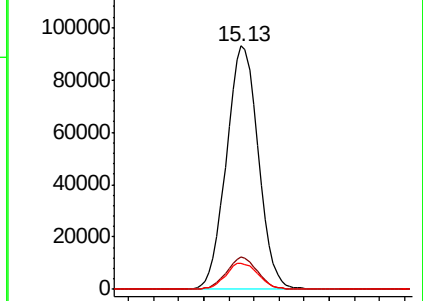
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.318 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

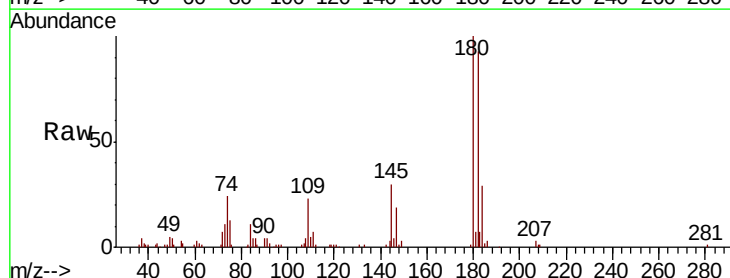
Tgt Ion:180 Resp: 65028

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.4

145 29.9 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

