

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

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:11 AM

Quant Time: Jul 10 01:42:45 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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Manual Integrations
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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	84052m	20.319	ug/l	
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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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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QLast Update : Wed Jul 03 11:05:14 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

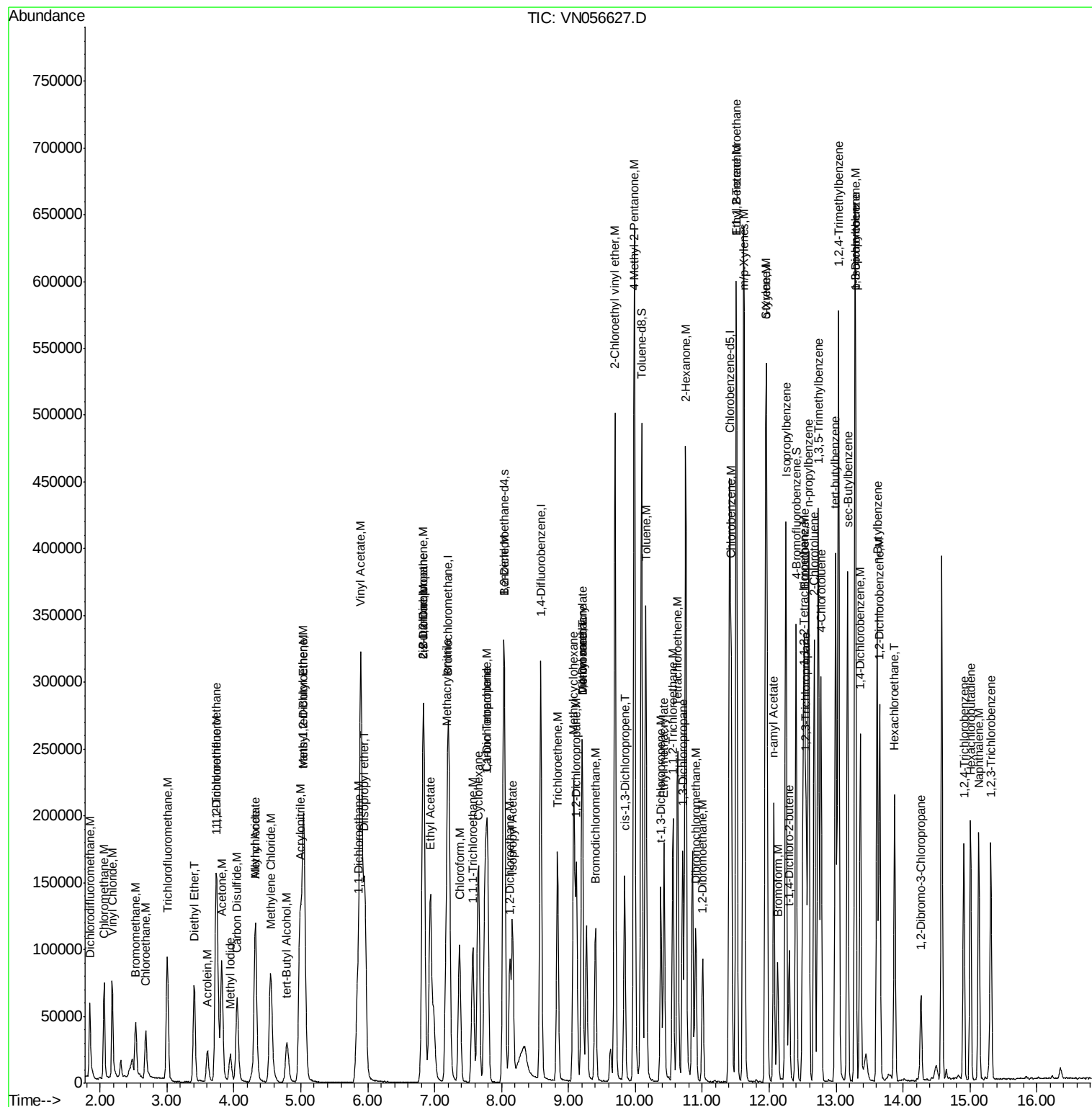
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
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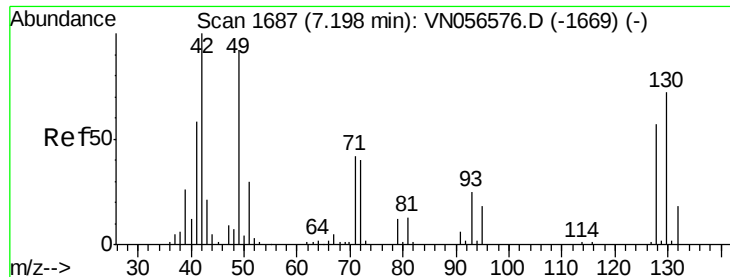
Instrument :
MSVOA_N
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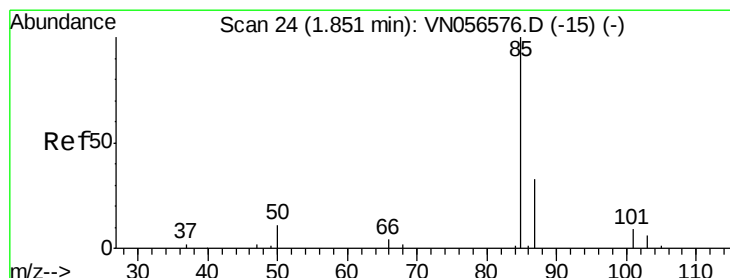
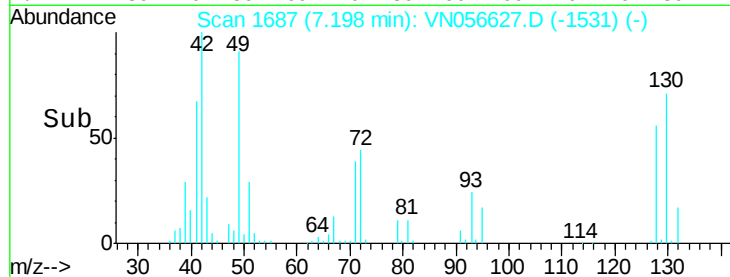
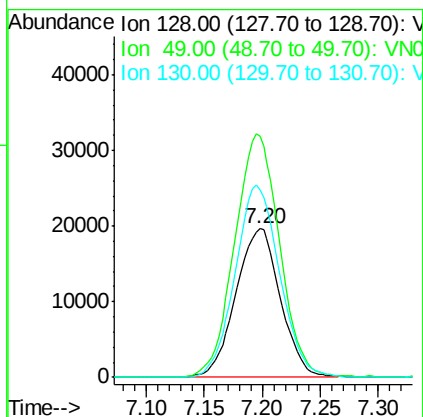
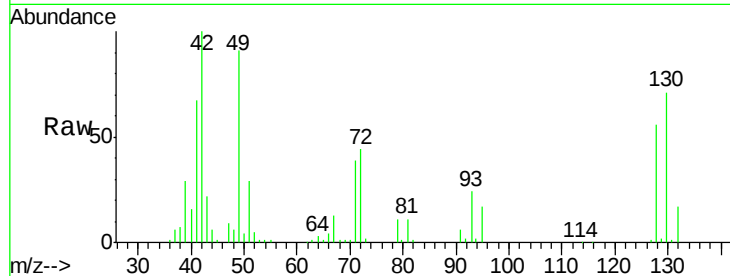
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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

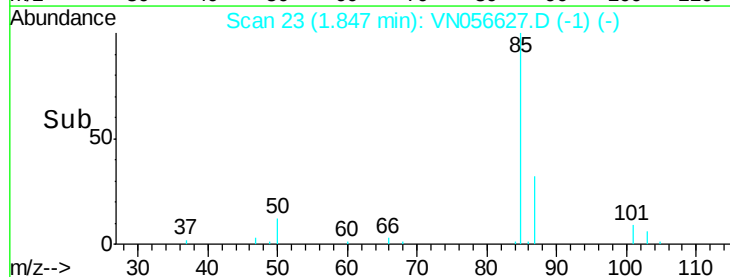
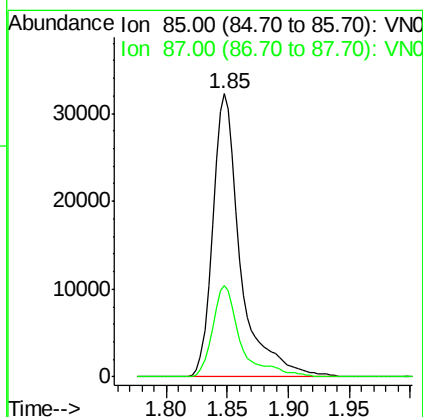
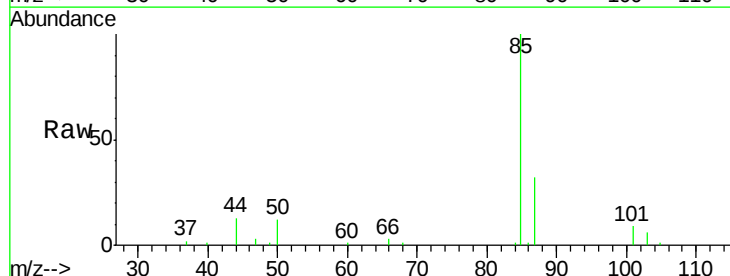
Manual Integrations
APPROVED

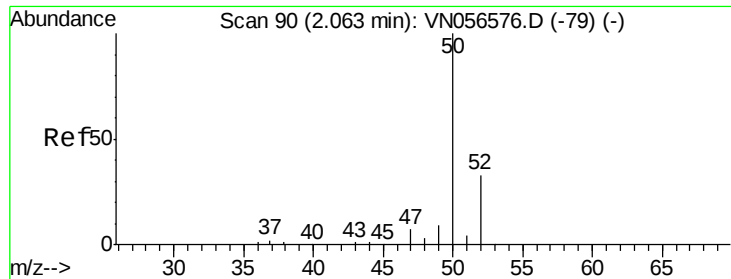
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#2
Dichlorodifluoromethane
Concen: 19.450 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion: 85 Resp: 51292
Ion Ratio Lower Upper
85 100
87 32.4 15.9 47.7





#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

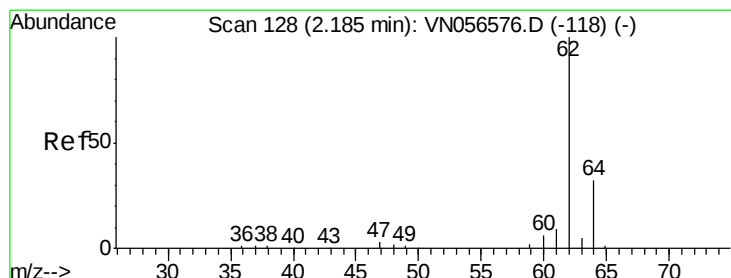
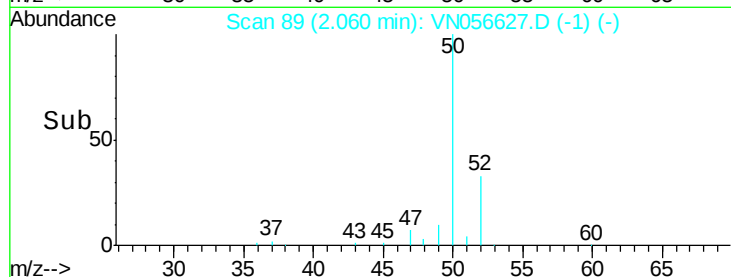
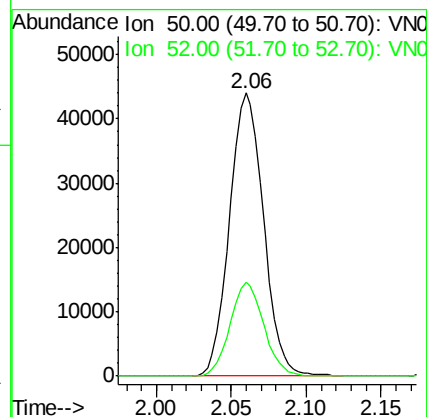
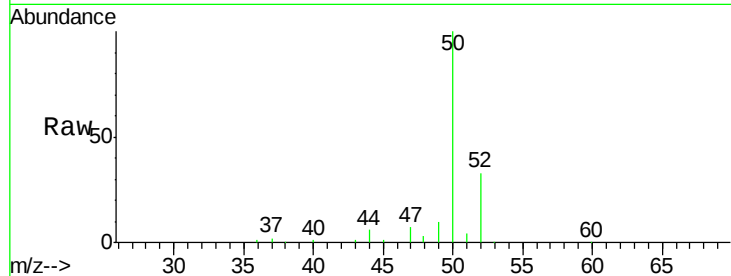
52 33.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.618 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056627.D

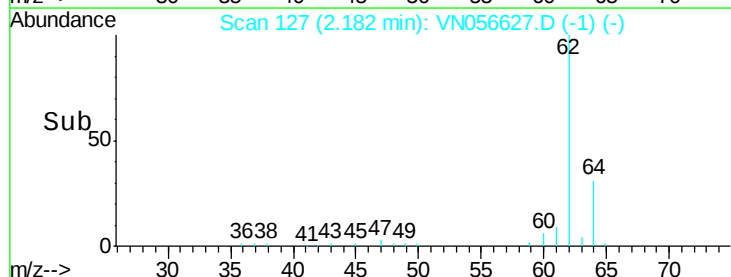
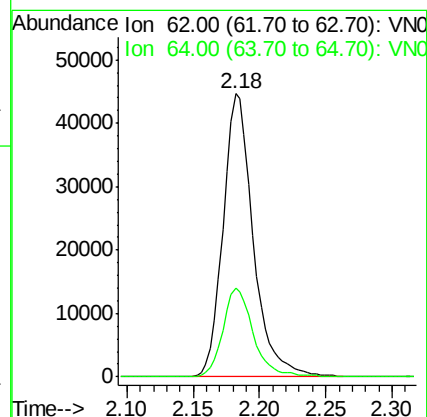
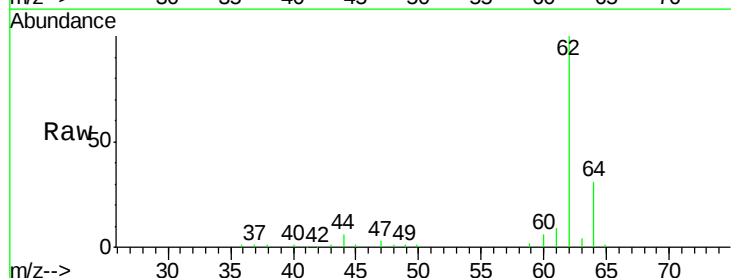
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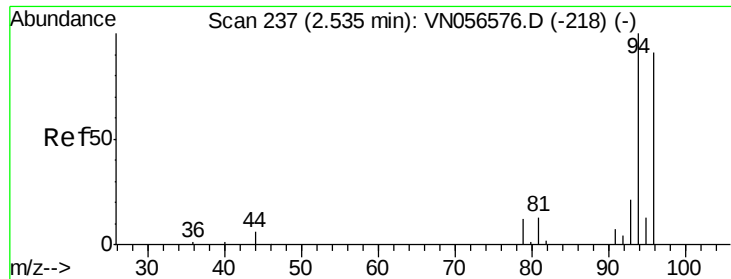
Tgt Ion: 62 Resp: 70670

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#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

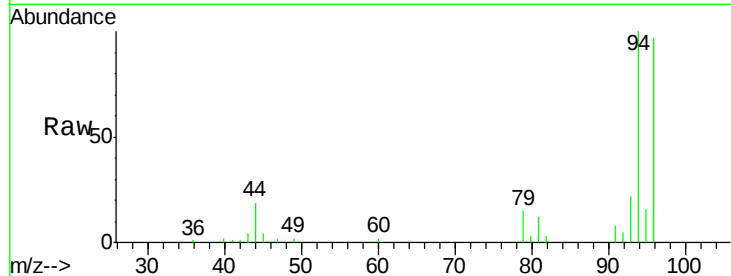
96 97.2 74.1 111.1

Manual Integrations

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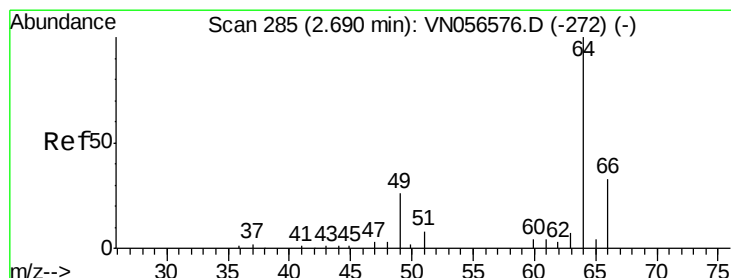
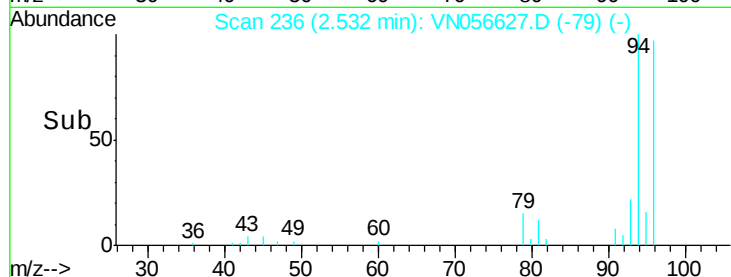
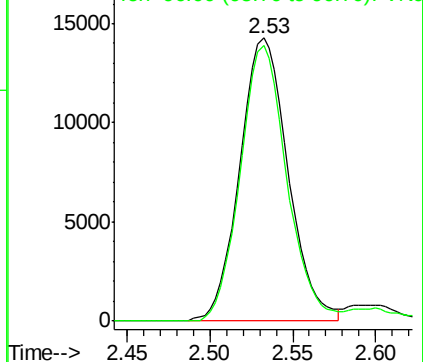
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Abundance Ion 94.00 (93.70 to 94.70): VN0

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

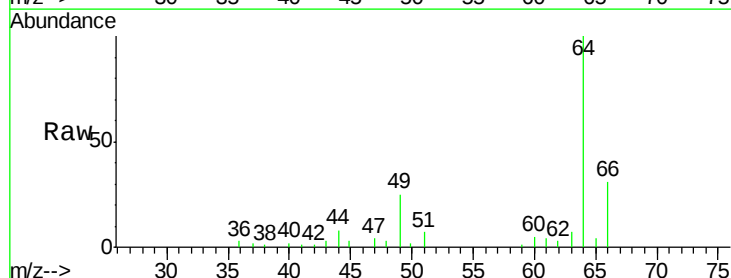
Acq: 9 Jul 2019 14:06

Tgt Ion: 64 Resp: 39914

Ion Ratio Lower Upper

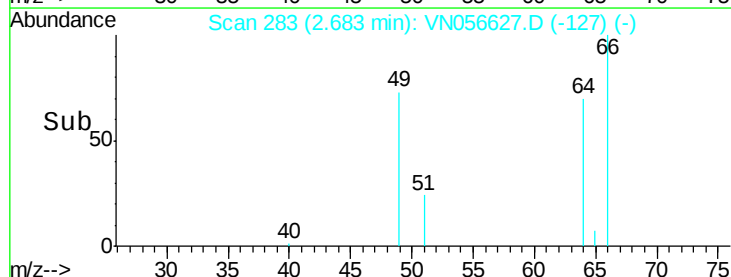
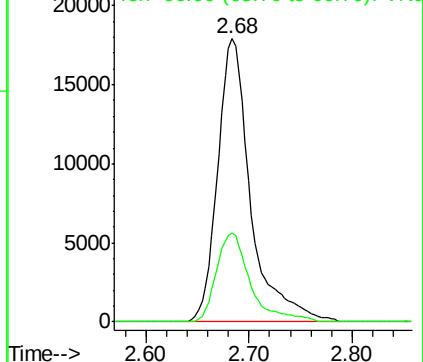
64 100

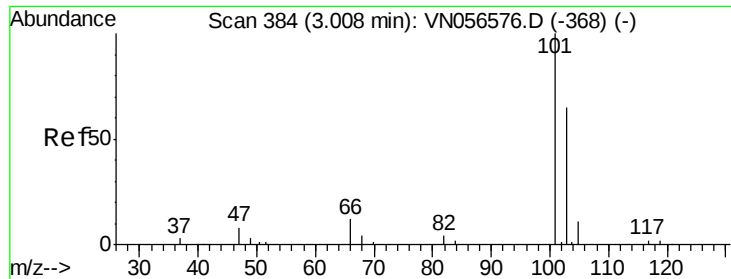
66 31.3 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

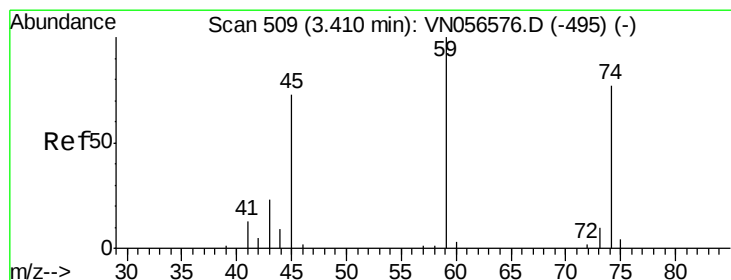
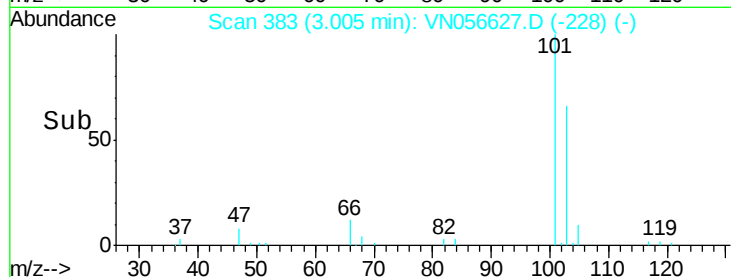
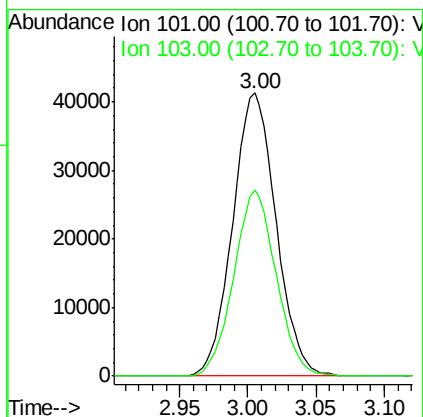
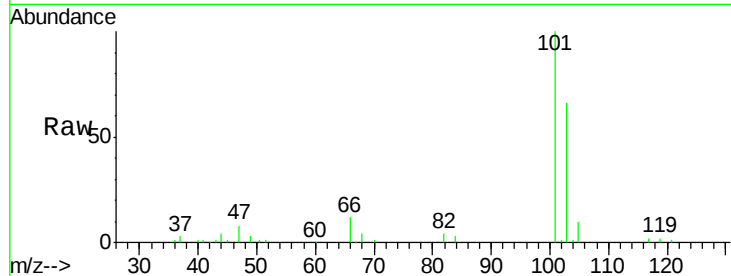
Trichlorofluoromethane
 Concen: 19.723 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
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 ClientSampleId :
 VN0709WBSD01

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

Manual Integrations
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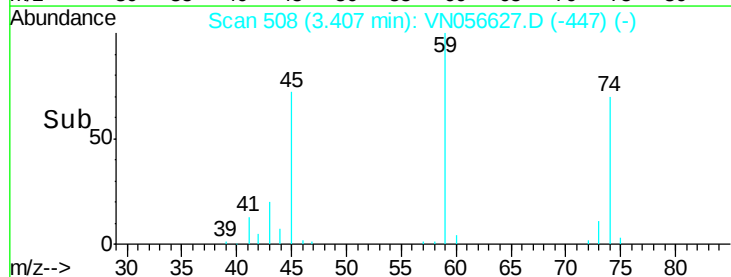
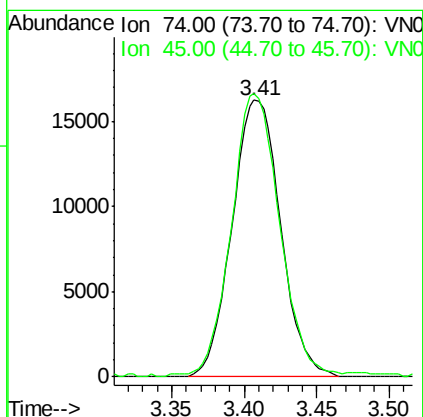
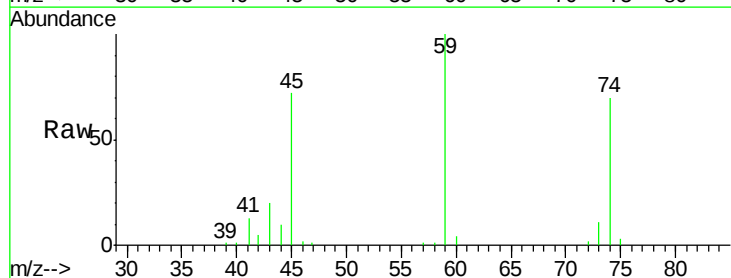
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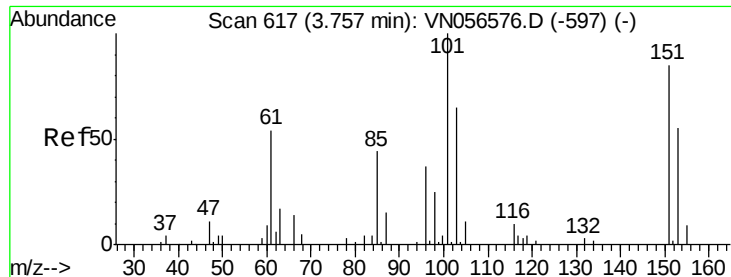


#8

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

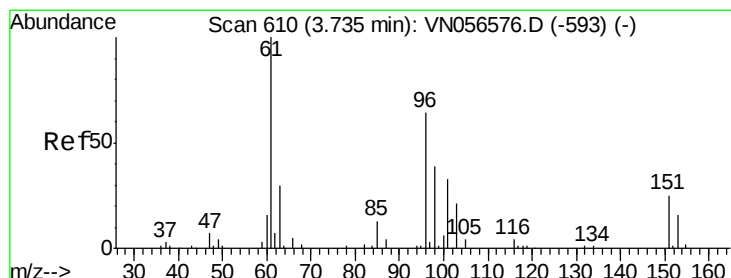
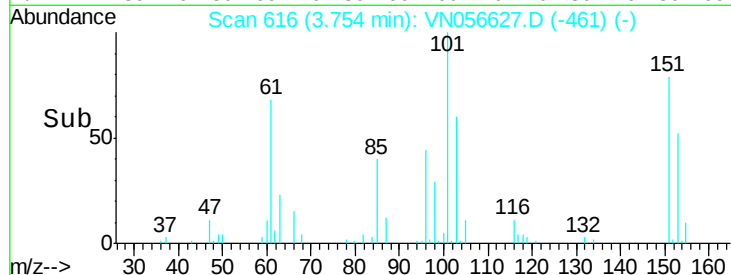
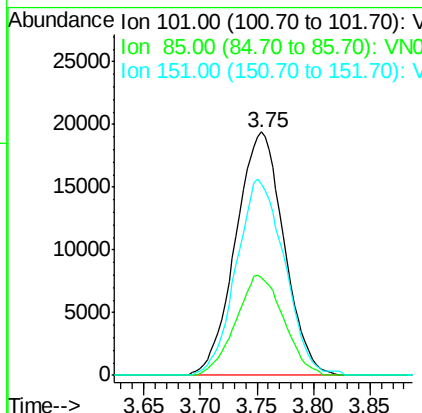
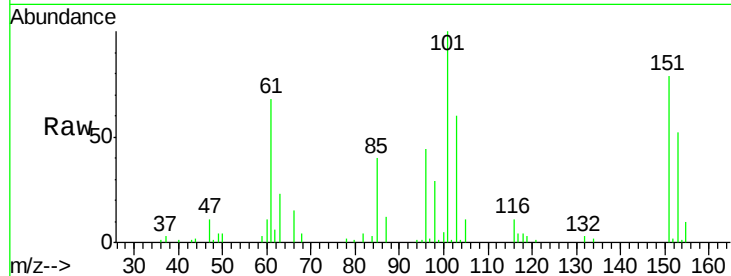
ClientSampleId :

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

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#10

1,1-Dichloroethene

Concen: 19.239 ug/l

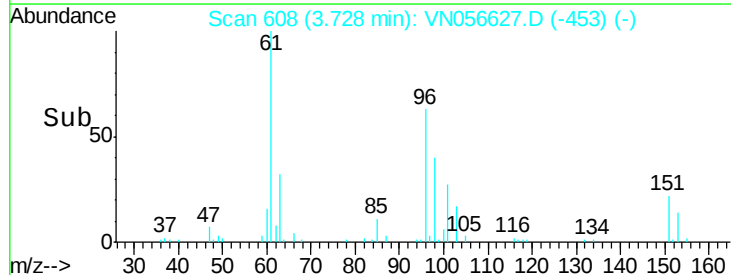
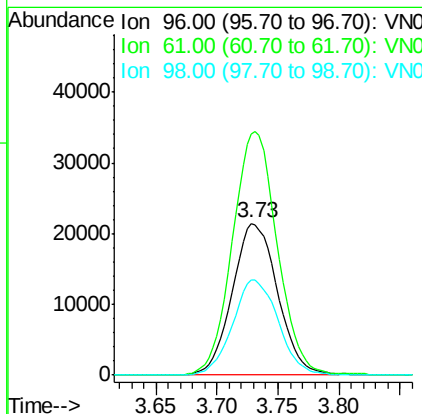
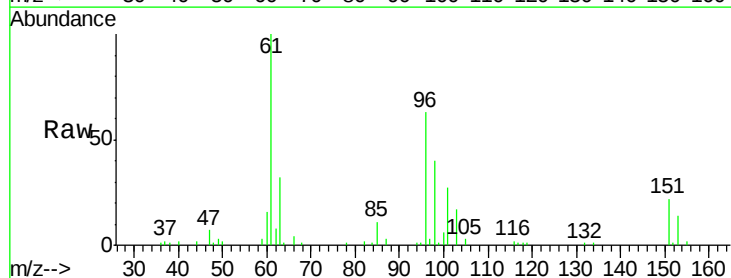
RT: 3.73 min Scan# 608

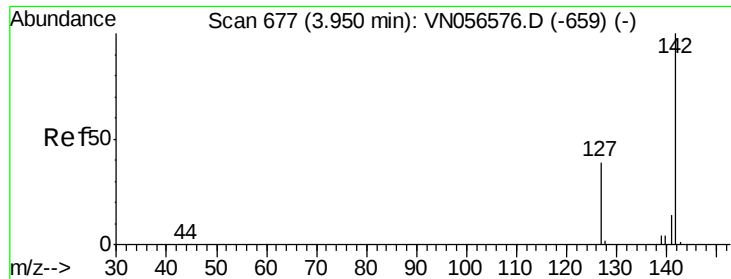
Delta R.T. -0.00 min

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





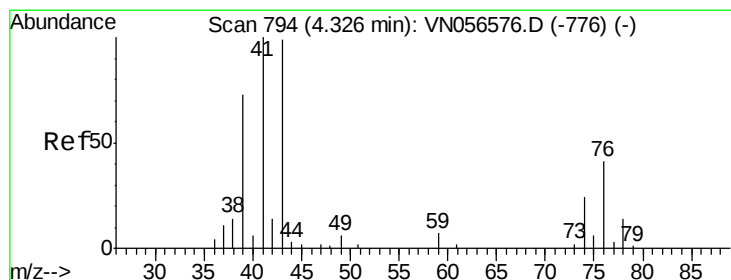
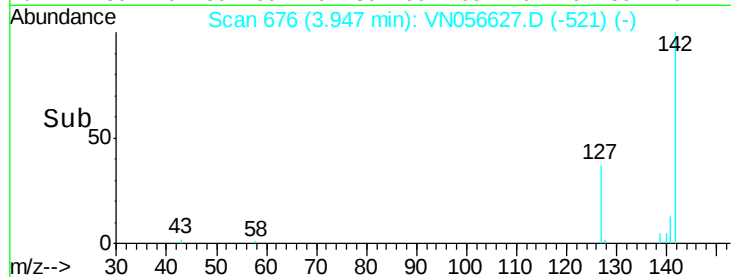
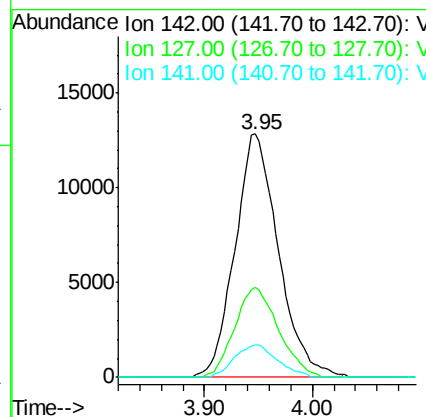
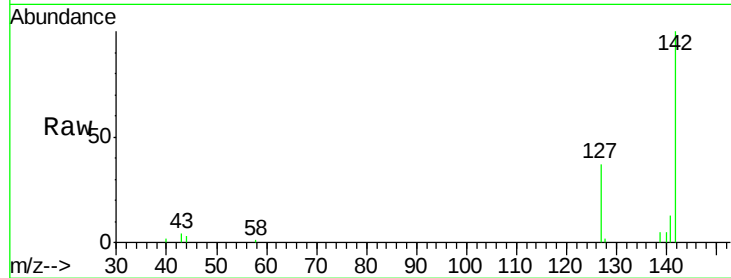
#11
Methyl Iodide
Concen: 8.773 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

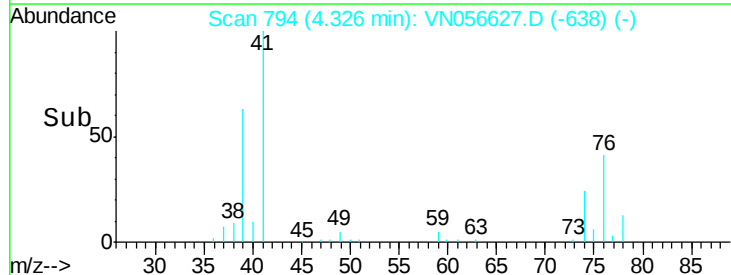
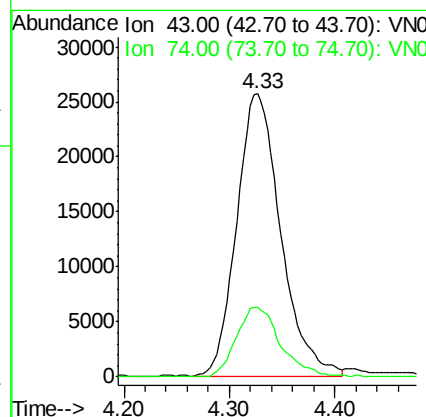
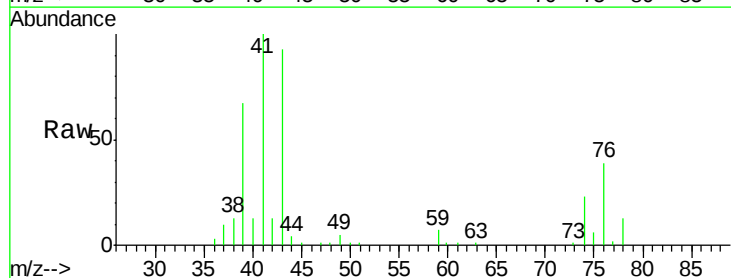
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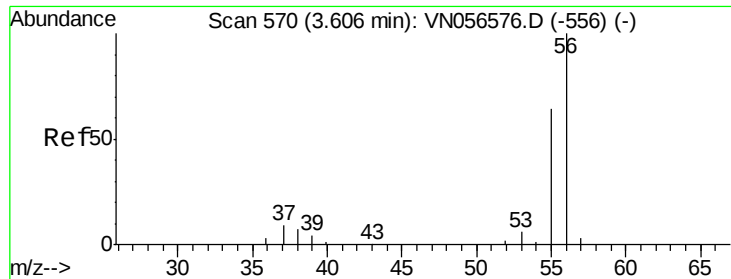
MMDadoda
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#12
Methyl Acetate
Concen: 19.380 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.9	29.9





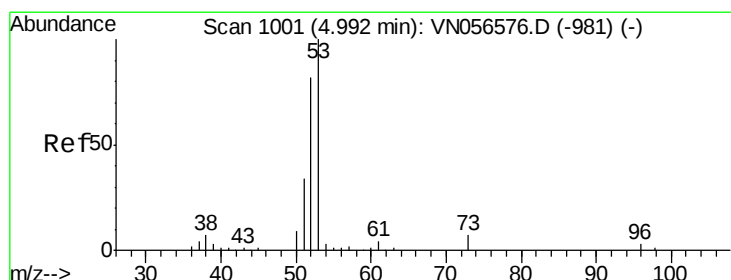
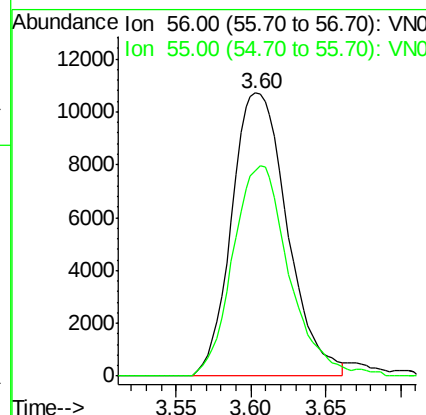
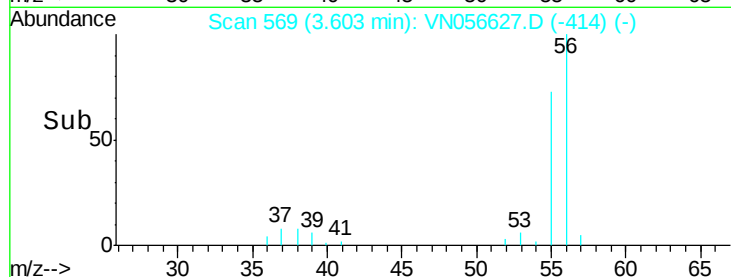
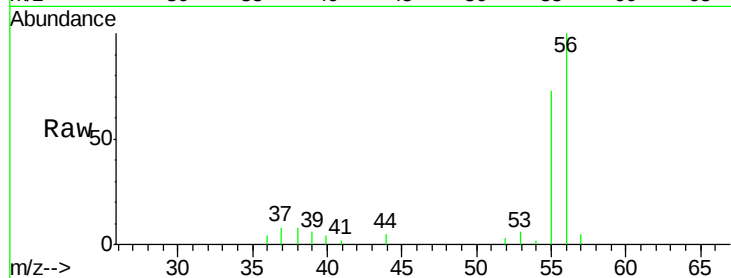
#13
Acrolein
Concen: 73.276 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	74.3	57.9	86.9	

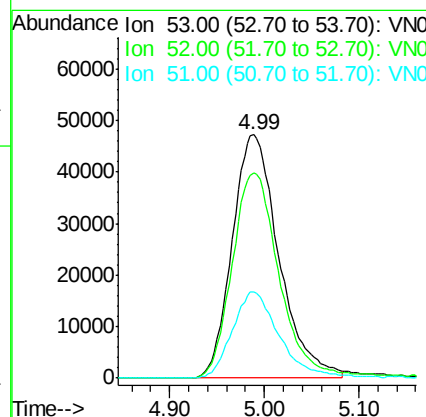
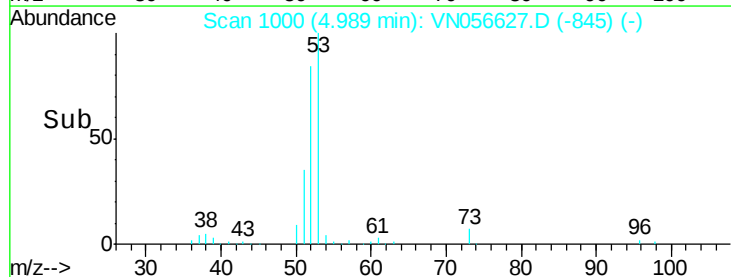
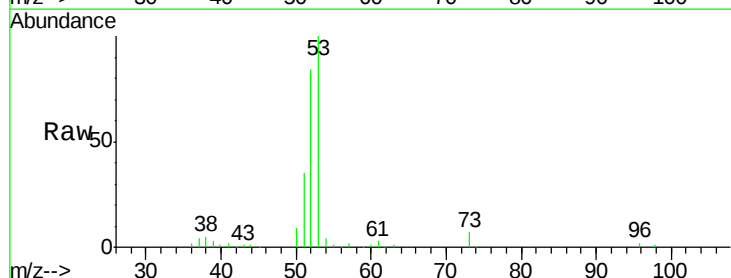
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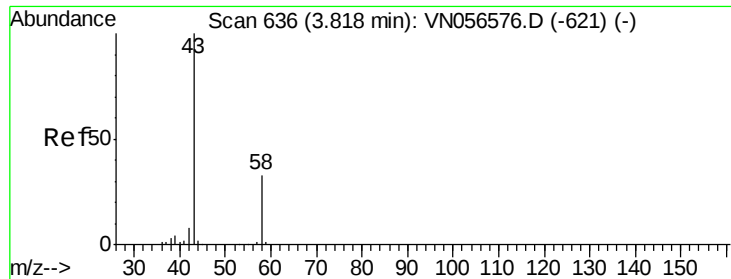
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#14
Acrylonitrile
Concen: 95.093 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion	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

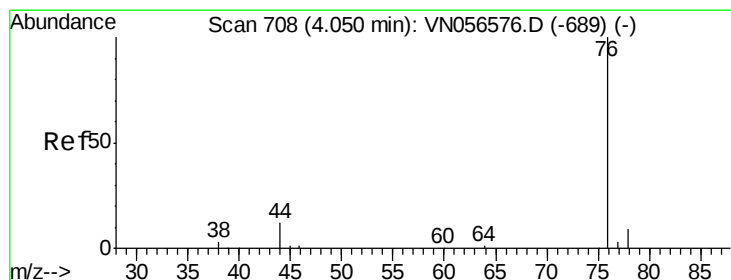
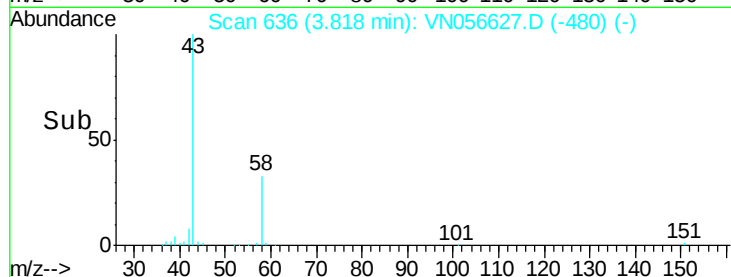
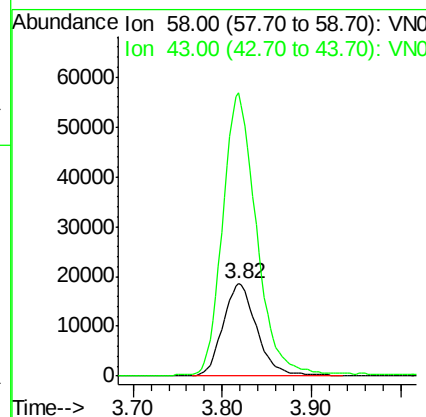
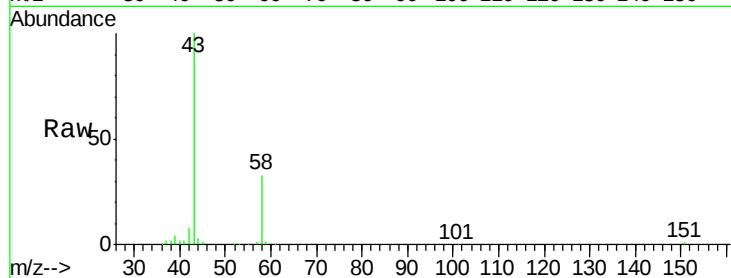
43 303.4 232.5 348.7

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#16

Carbon Disulfide

Concen: 19.148 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056627.D

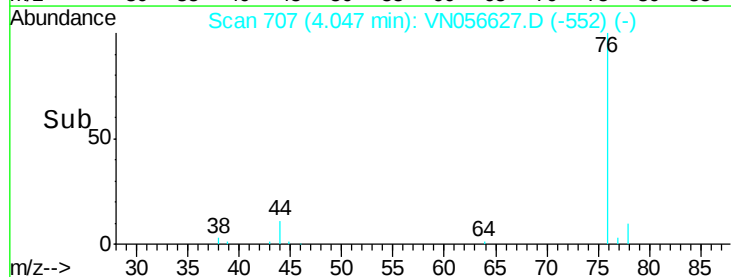
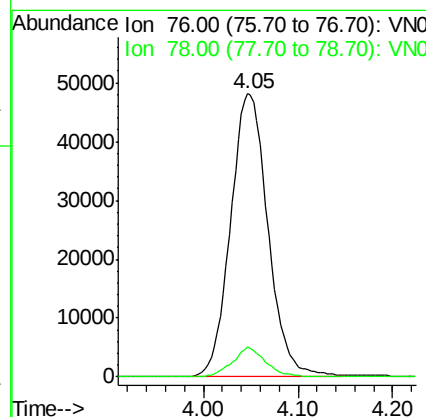
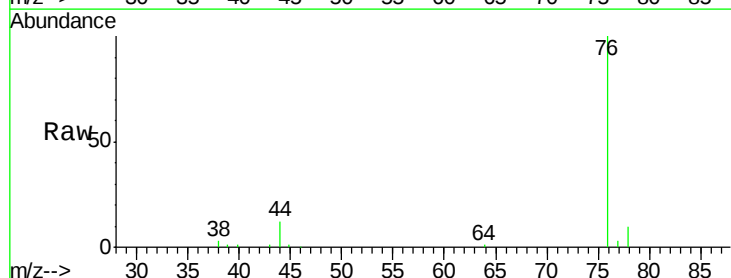
Acq: 9 Jul 2019 14:06

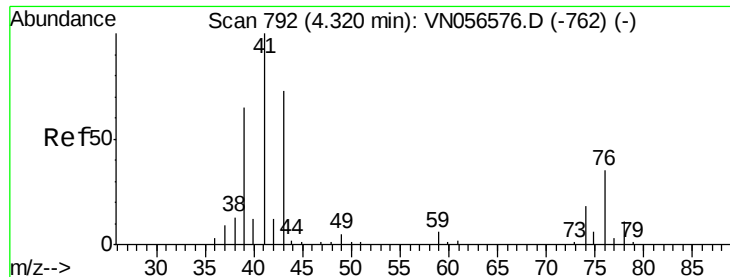
Tgt Ion: 76 Resp: 132348

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9





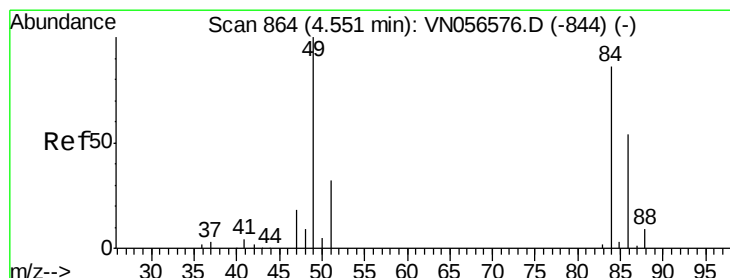
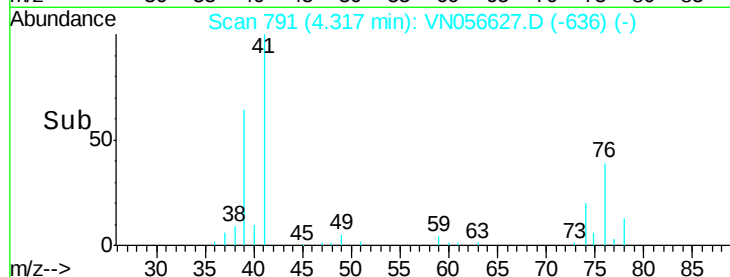
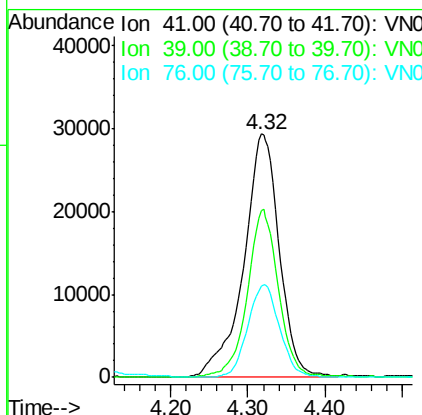
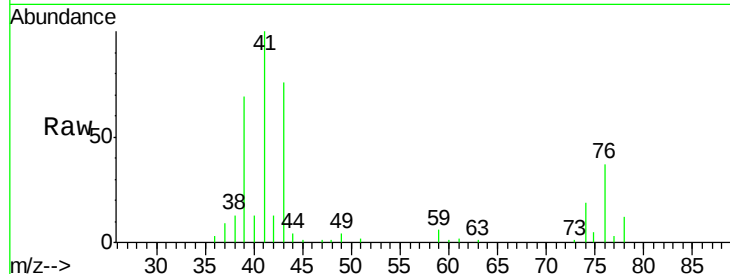
#17
Allvl chloride
Concen: 18.766 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

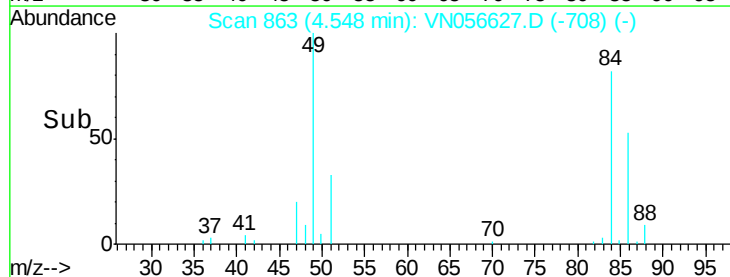
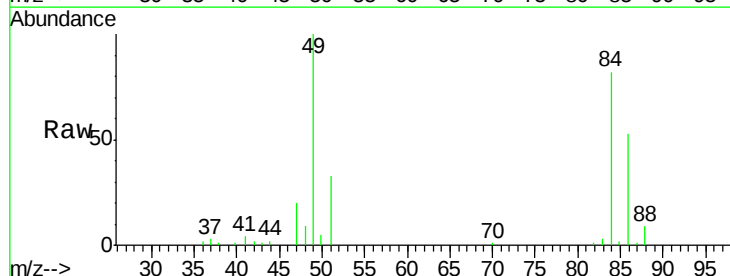
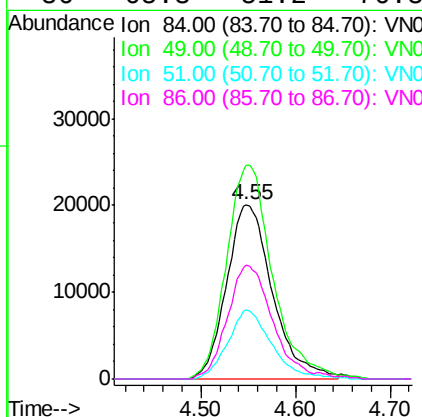
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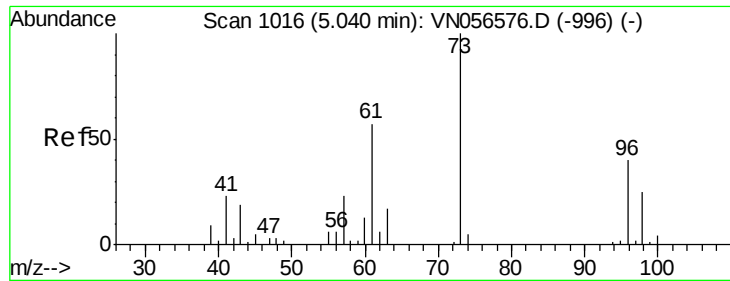
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#18
Methylene Chloride
Concen: 19.917 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion	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





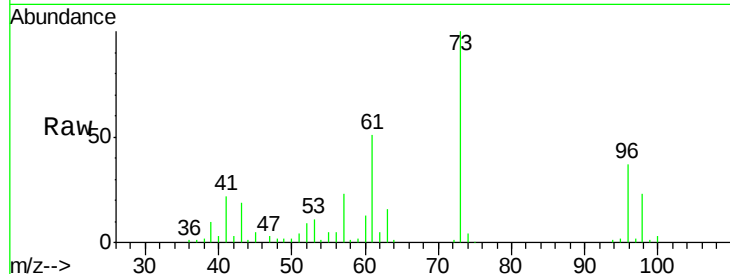
#19
trans-1,2-Dichloroethene
Concen: 19.073 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

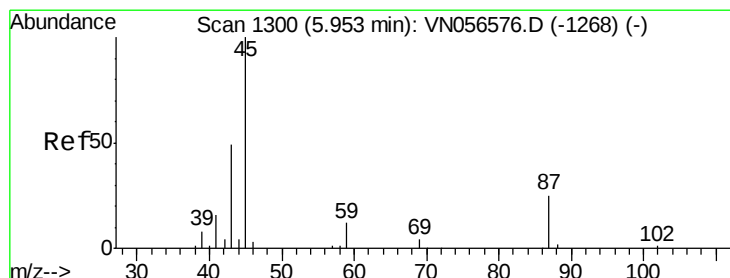
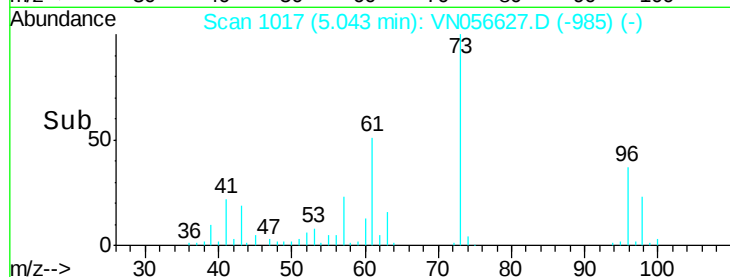
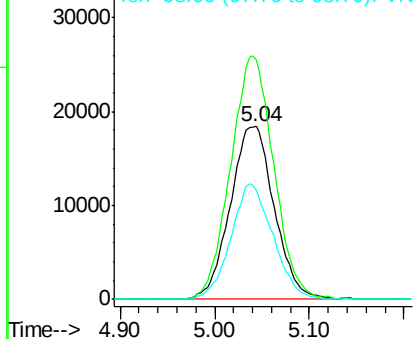
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	102.5	153.7
98	63.3	46.9	70.3

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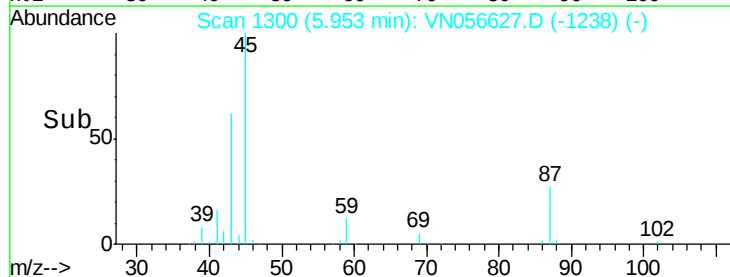
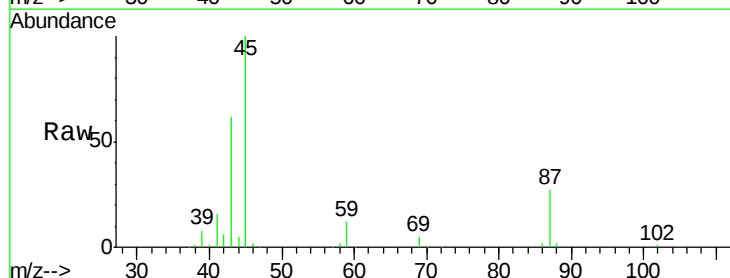
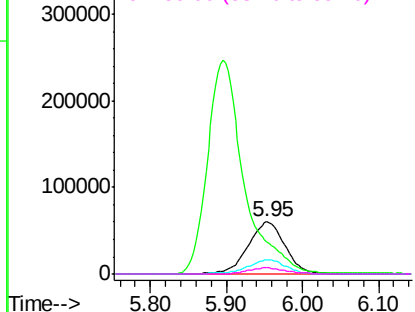
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

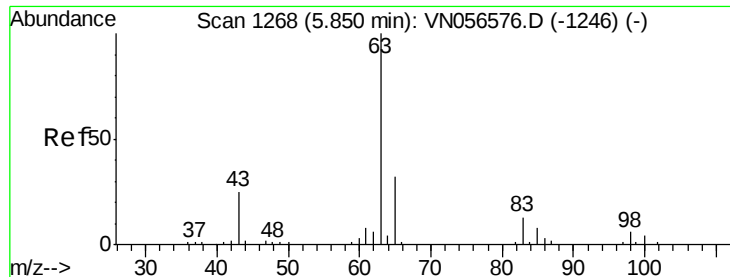


#20
Diisopropyl ether
Concen: 19.564 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion	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





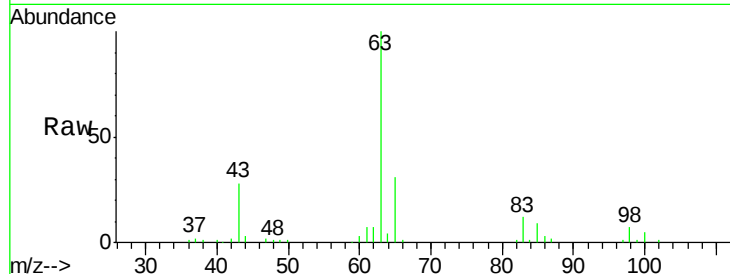
#21
 1,1-Dichloroethane
 Concen: 19.099 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

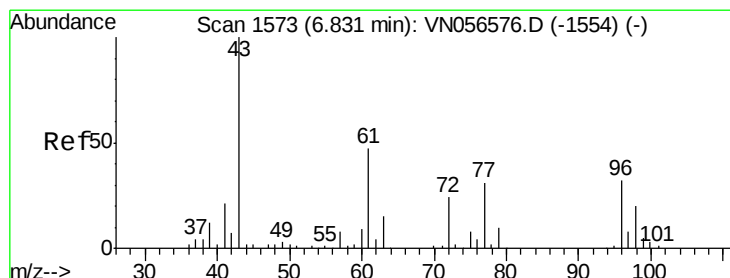
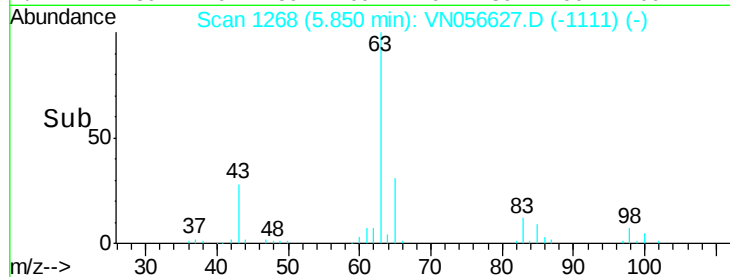
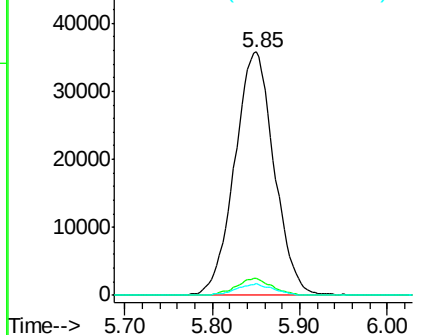
Tot Ion	Ratio	Resp	Lower	Upper
63	100	111972		
98	6.9		3.5	10.5
100	4.7		2.3	6.9

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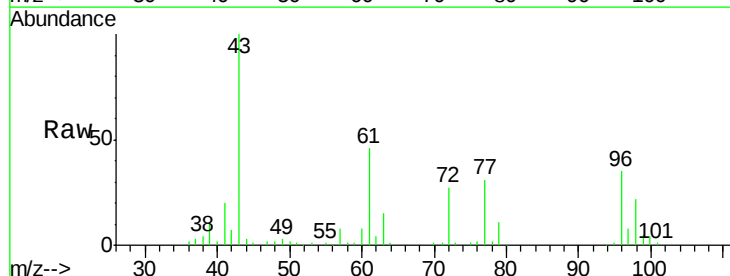


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

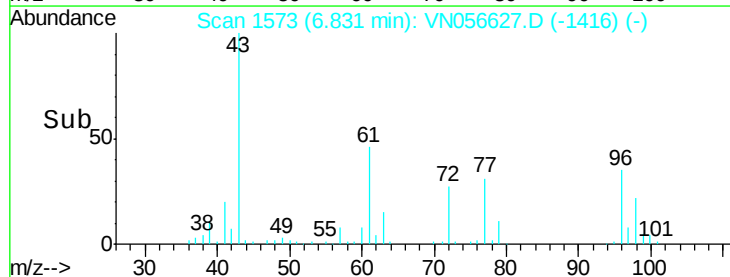
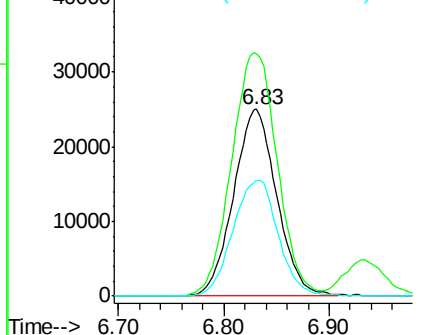


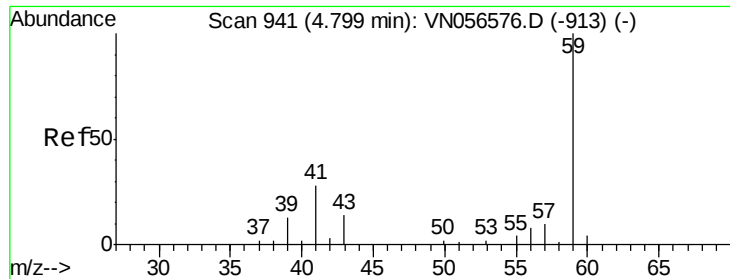
#22
 cis-1,2-Dichloroethene
 Concen: 19.431 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	71239		
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

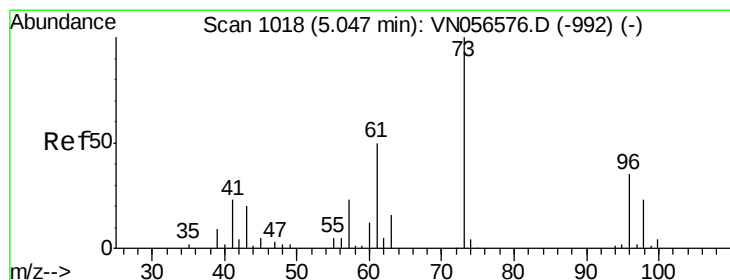
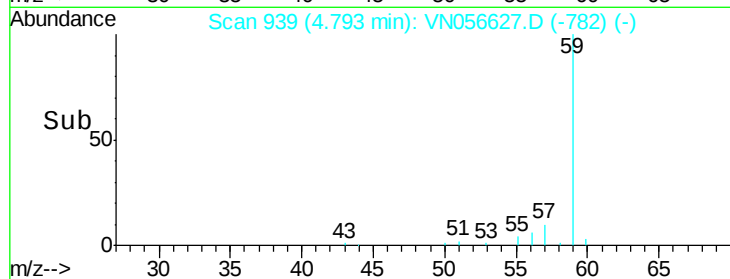
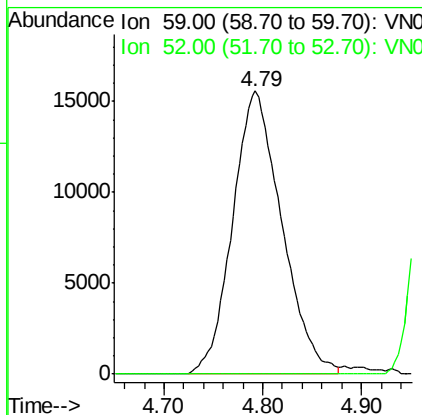
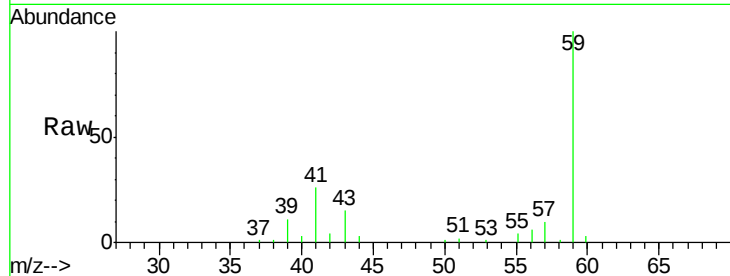
tert-Butyl Alcohol
 Concen: 84.459 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

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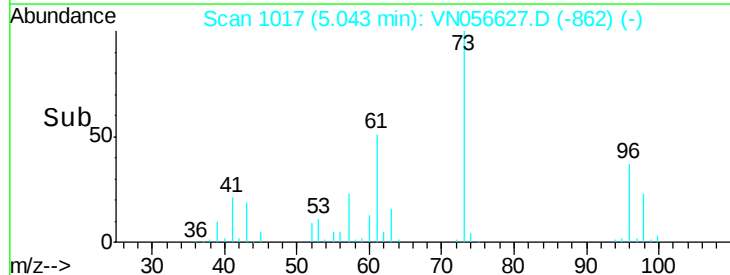
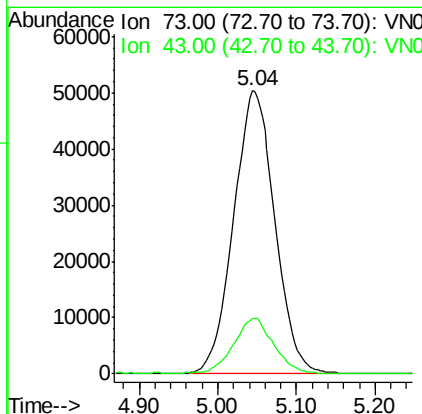
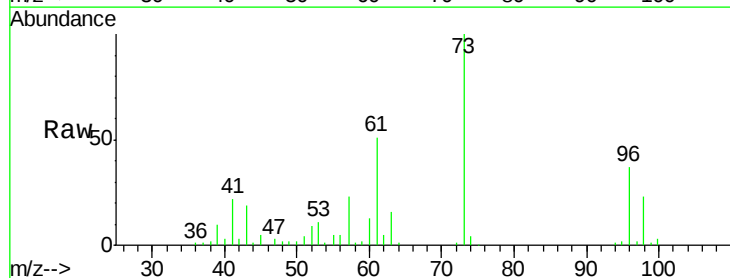
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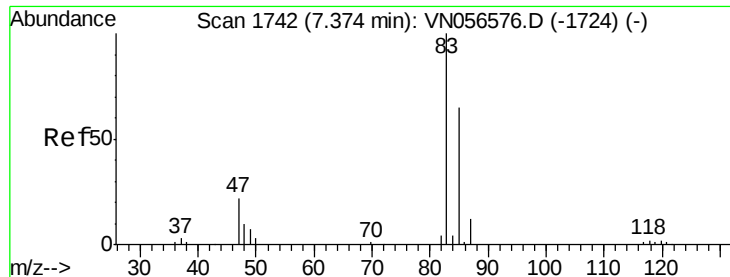


#24

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	Ratio	Lower	Upper
73	100			
43	19.2	15.4	23.0	





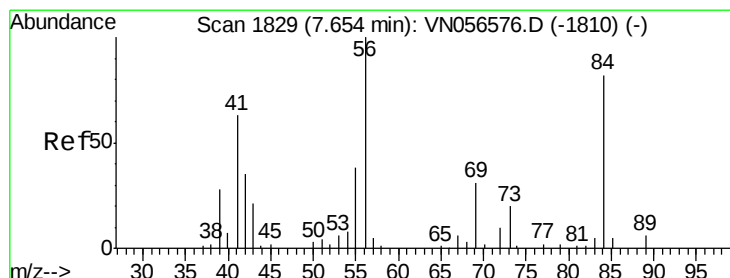
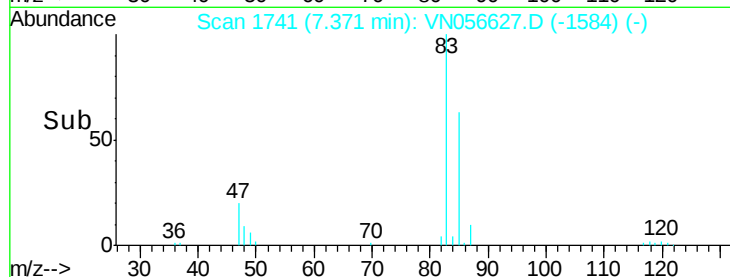
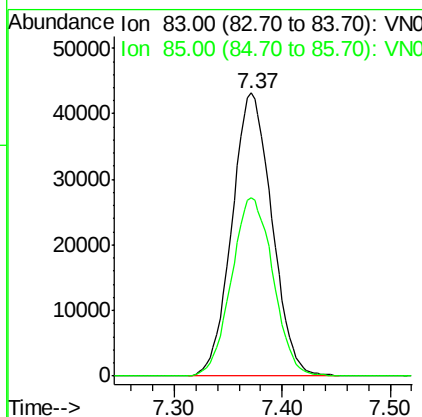
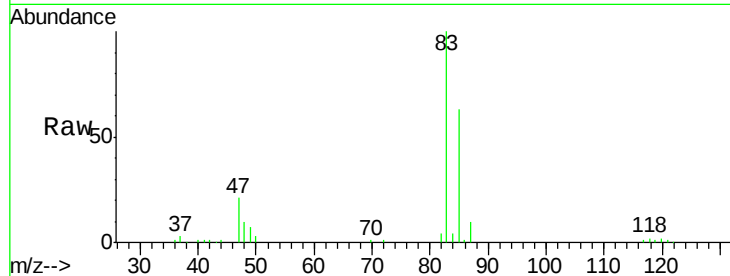
#25
Chloroform
Concen: 19.377 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

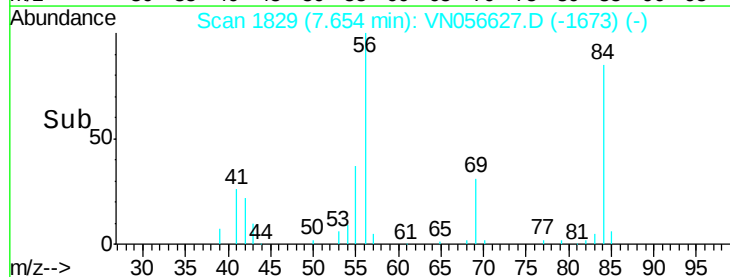
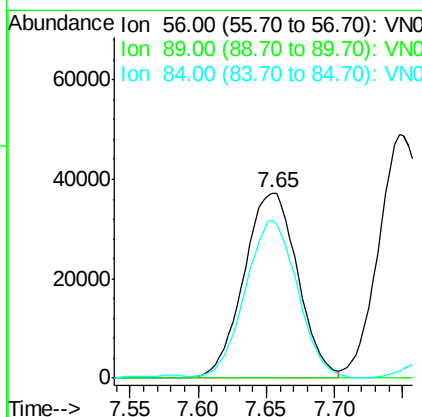
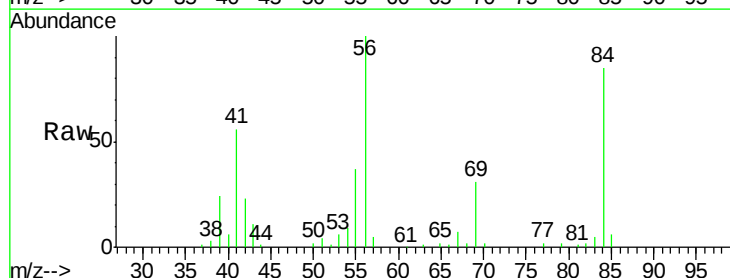
Manual Integrations
APPROVED

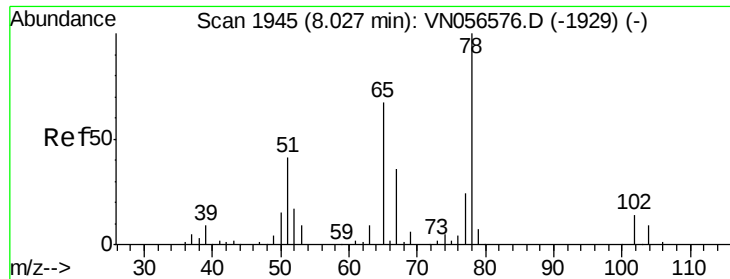
MMDadoda
7/10/2019 9:18:11 AM



#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	100	Lower	Upper
89	0.0	0.0	0.0
84	82.6	70.1	105.1





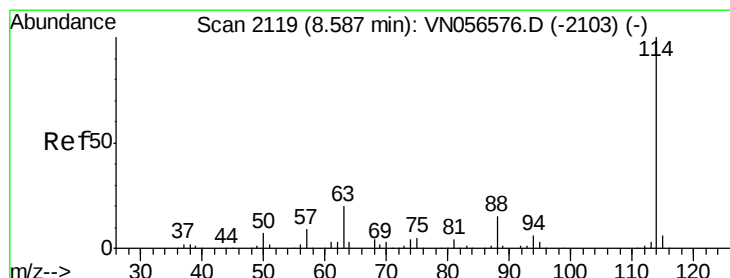
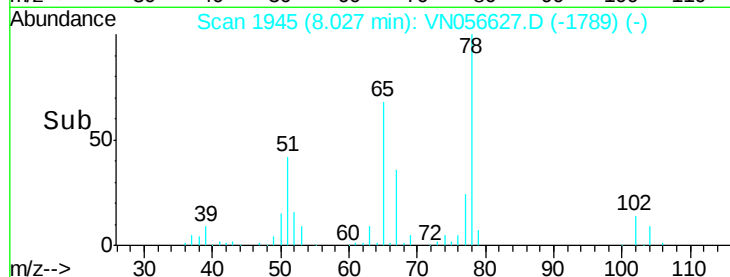
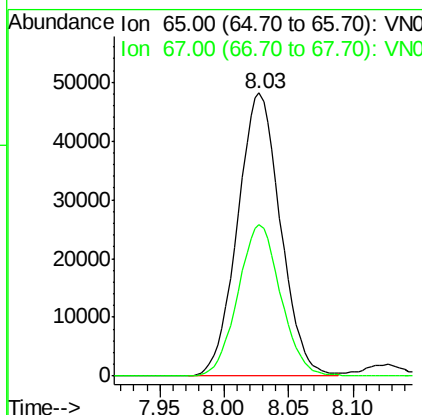
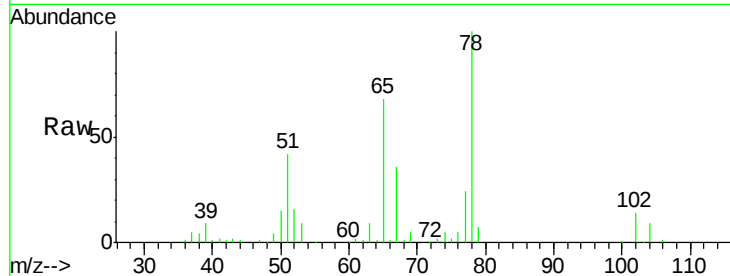
#27
 1,2-Dichloroethane-d4
 Concen: 30.792 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

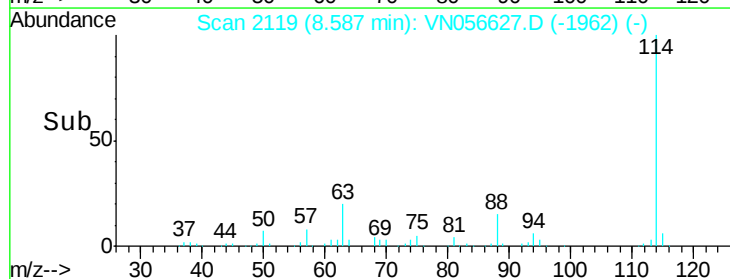
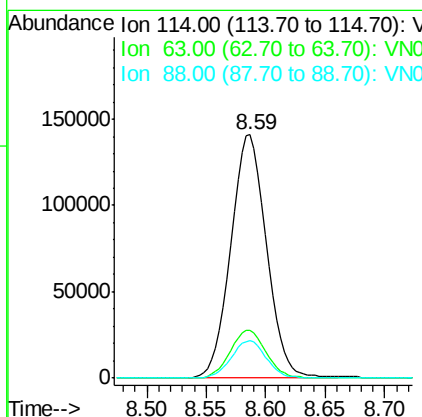
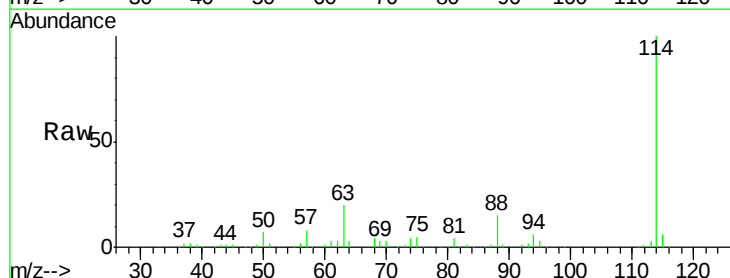
Manual Integrations
 APPROVED

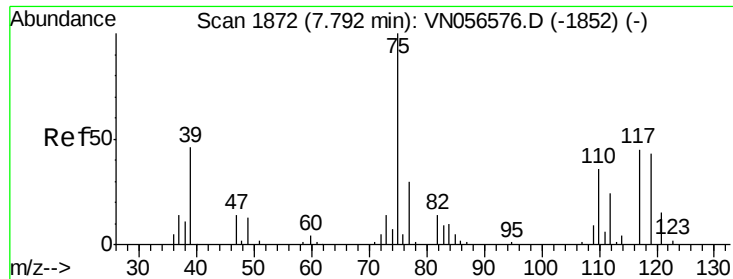
MMDadoda
 7/10/2019 9:18:11 AM



#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





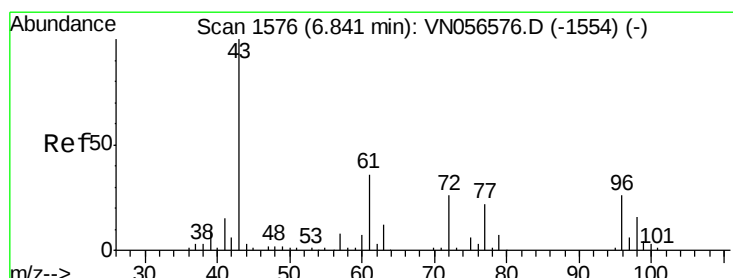
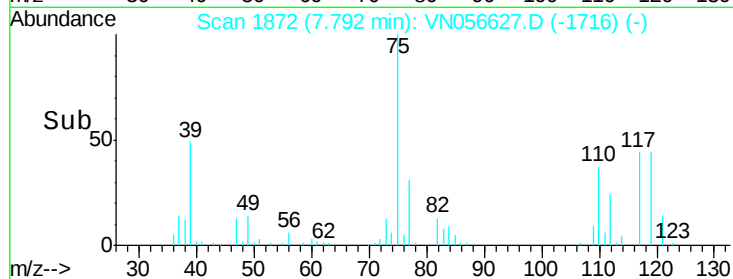
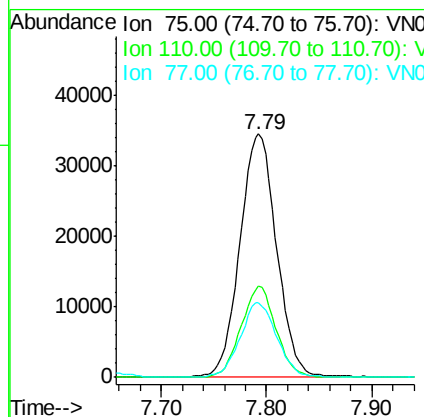
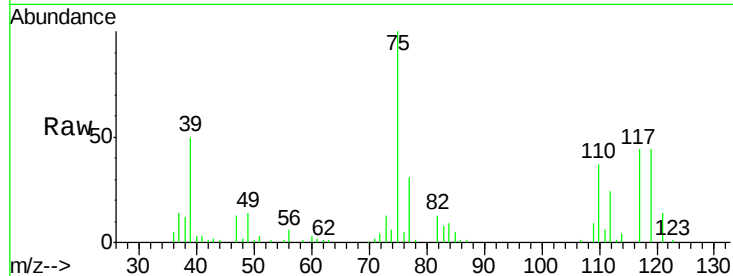
#29
 1,1-Dichloropropene
 Concen: 19.230 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

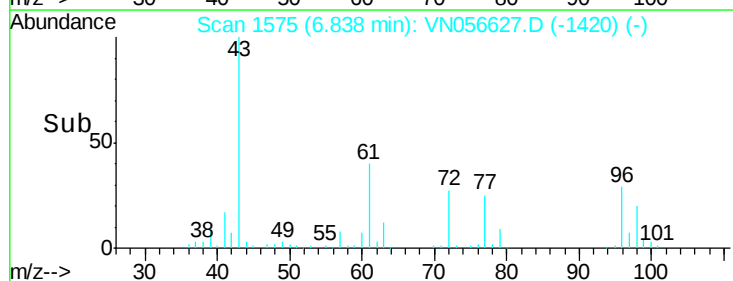
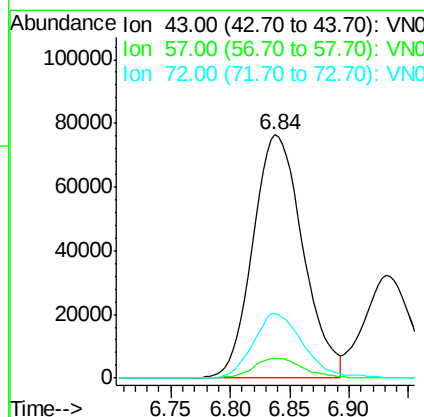
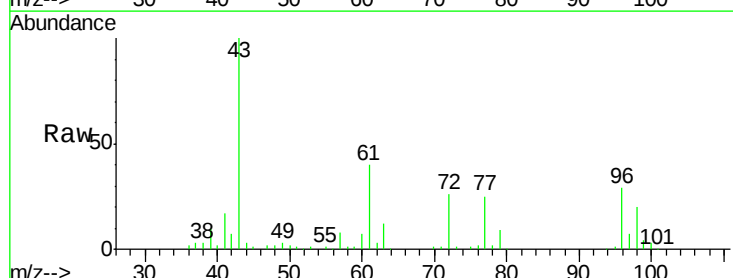
Manual Integrations
 APPROVED

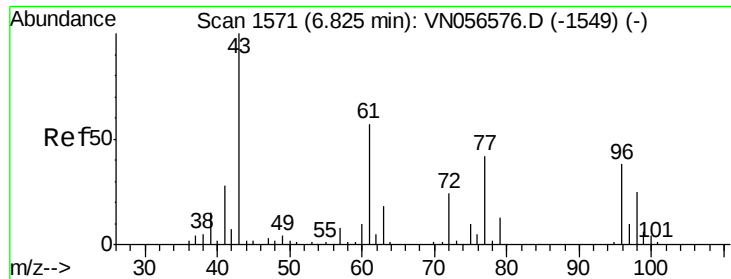
MMDadoda
 7/10/2019 9:18:11 AM



#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	Ratio	Resp	Lower	Upper
43	100			
57	8.3	6.7	10.1	
72	26.2	22.4	33.6	





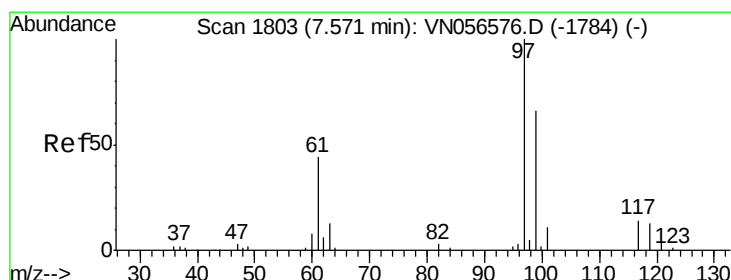
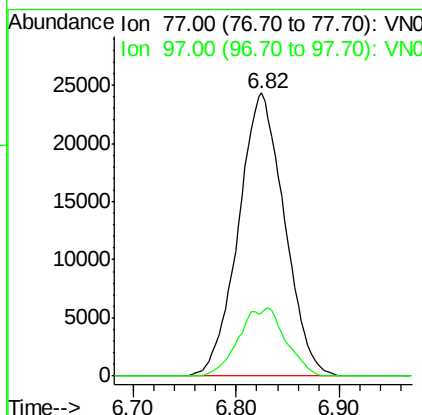
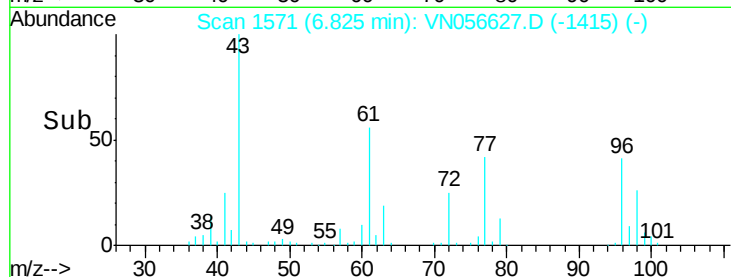
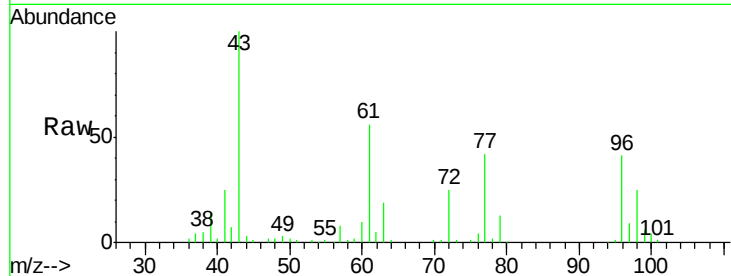
#31
 2,2-Dichloropropane
 Concen: 18.010 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

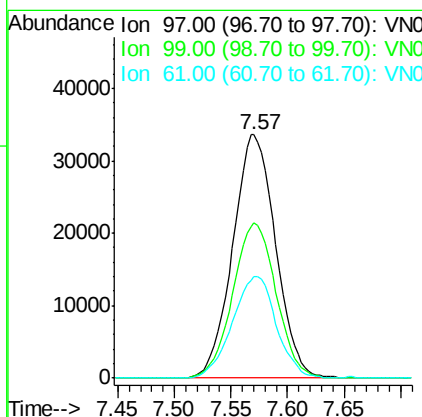
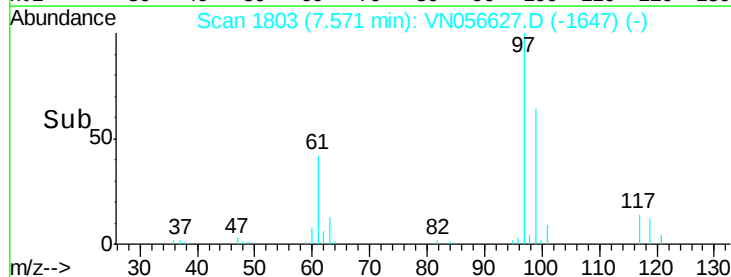
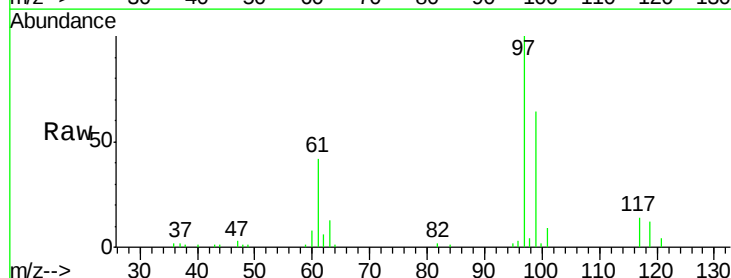
Manual Integrations
 APPROVED

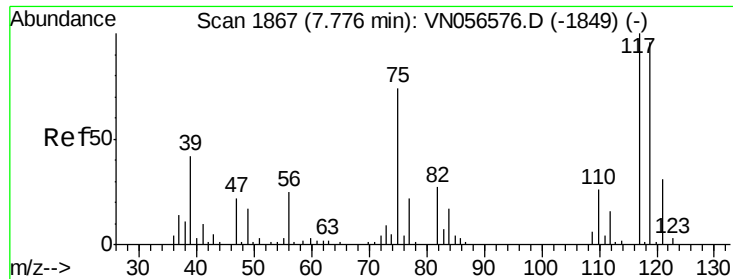
MMDadoda
 7/10/2019 9:18:11 AM



#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





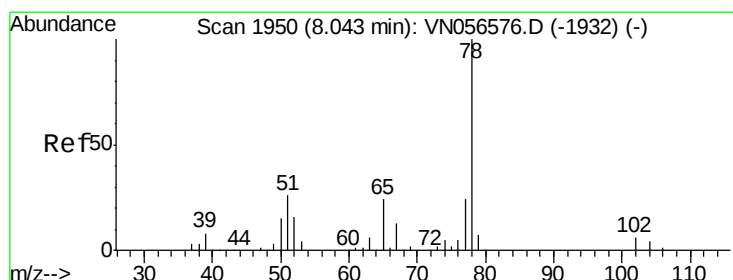
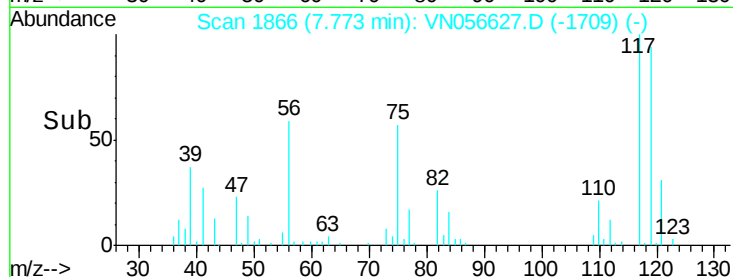
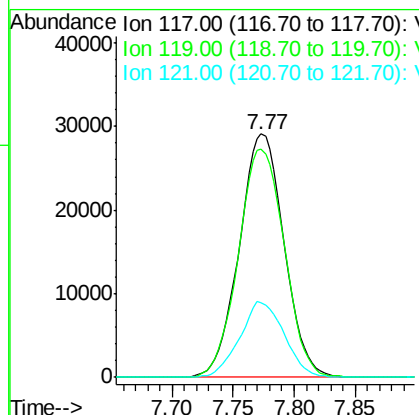
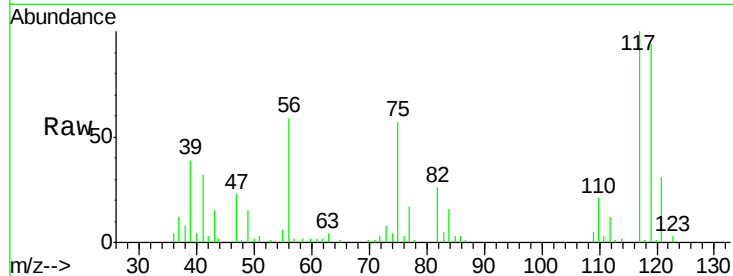
#33
Carbon Tetrachloride
Concen: 18.848 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

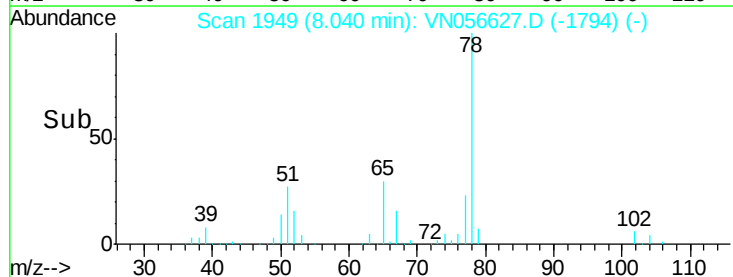
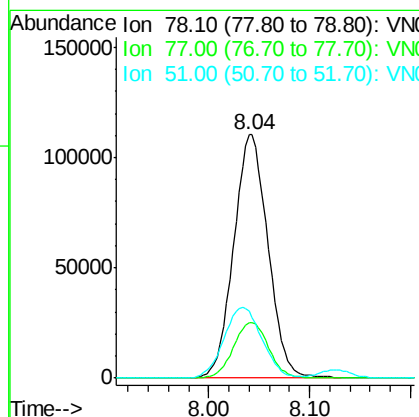
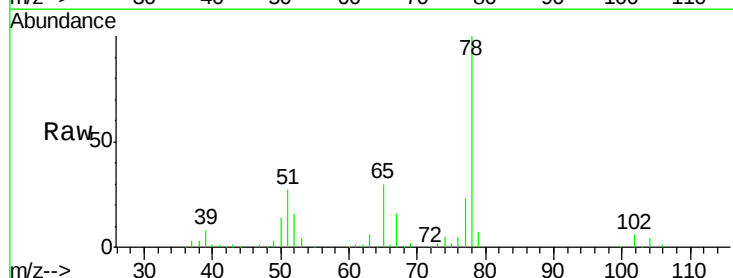
Manual Integrations
APPROVED

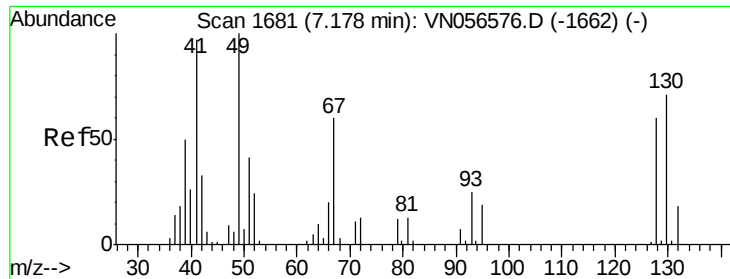
MMDadoda
7/10/2019 9:18:11 AM



#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	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9
51	27.1	19.8	29.8





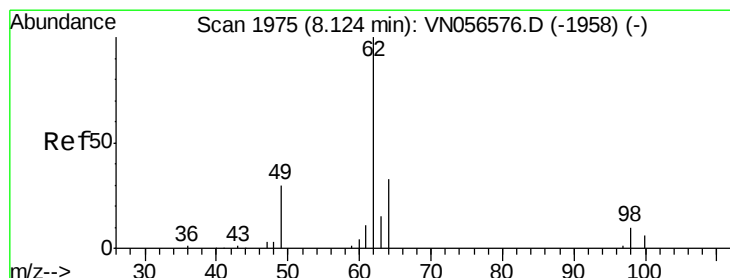
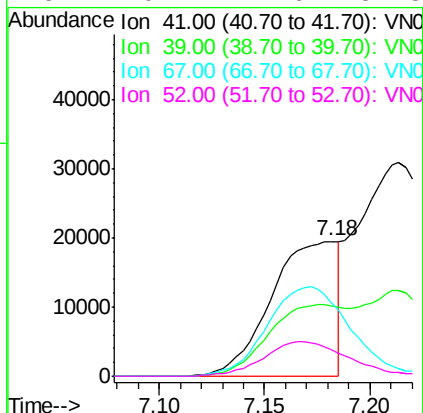
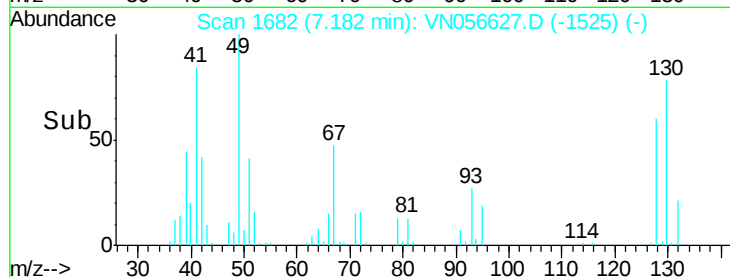
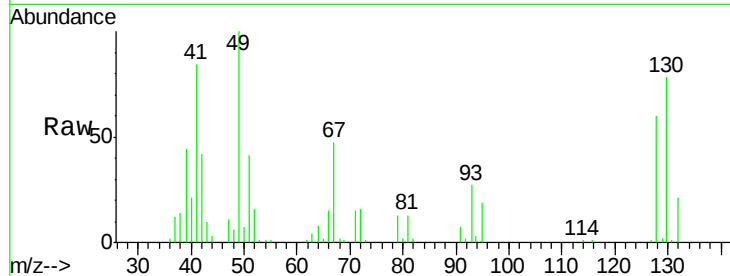
#35
Methacrylonitrile
Concen: 20.029 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion	41.00	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

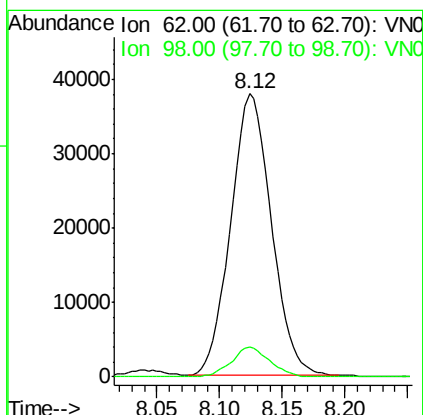
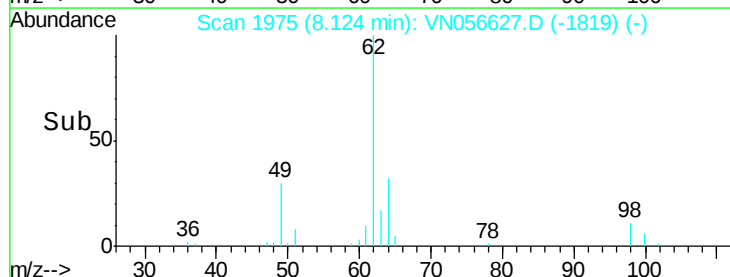
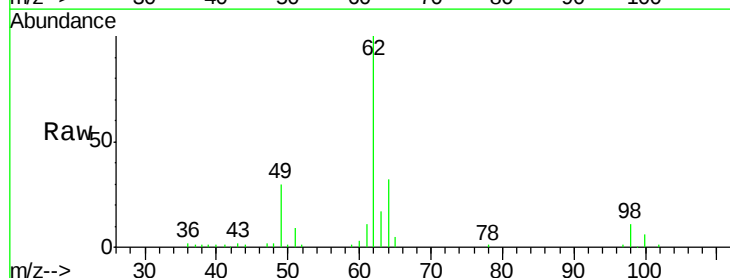
Manual Integrations
APPROVED

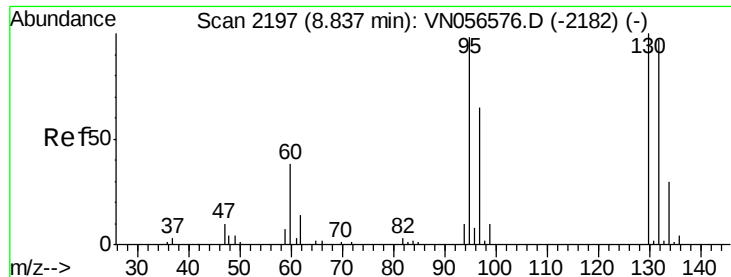
MMDadoda
7/10/2019 9:18:11 AM



#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	62.00	Resp	85392
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.6	13.0





#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

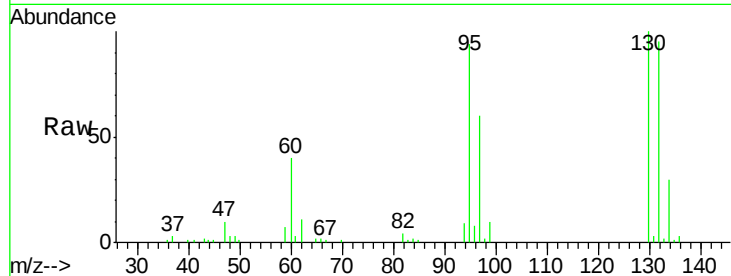
95 94.1 73.0 109.6

Manual Integrations

APPROVED

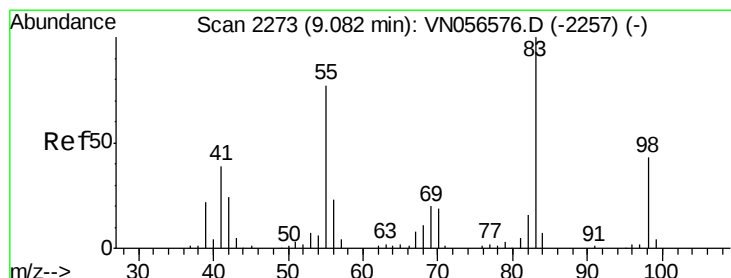
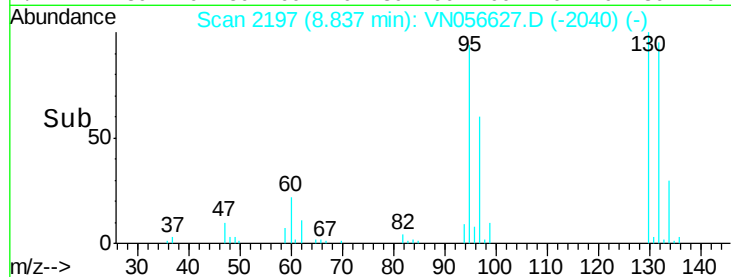
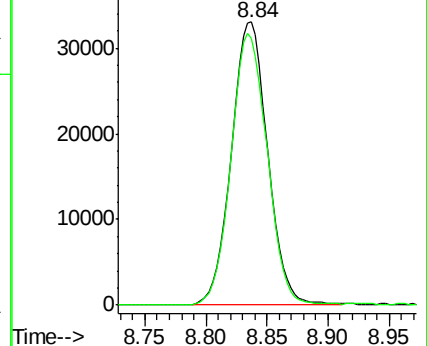
MMDadoda

7/10/2019 9:18:11 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#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

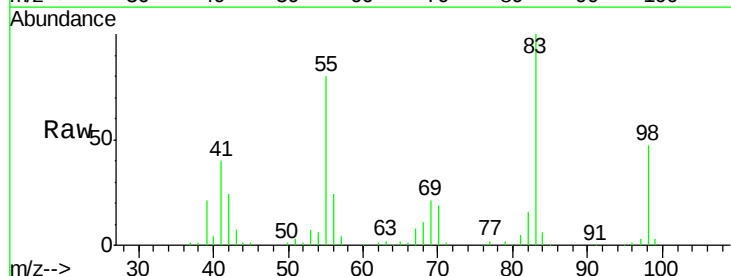
Tgt Ion: 83 Resp: 101563

Ion Ratio Lower Upper

83 100

55 77.3 37.5 112.7

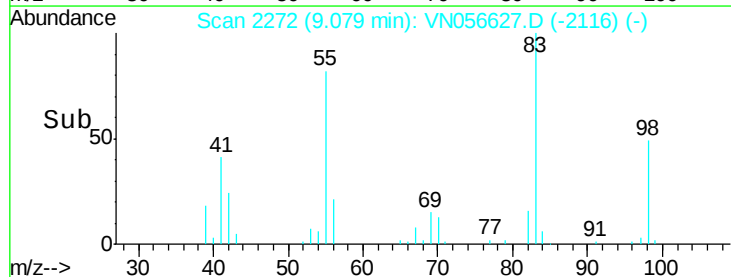
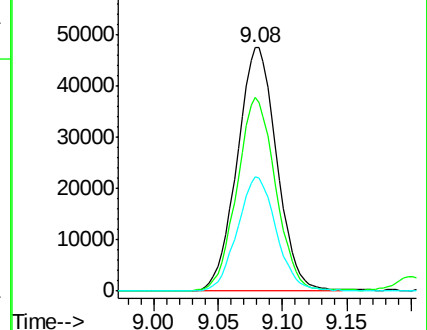
98 45.7 23.1 69.3

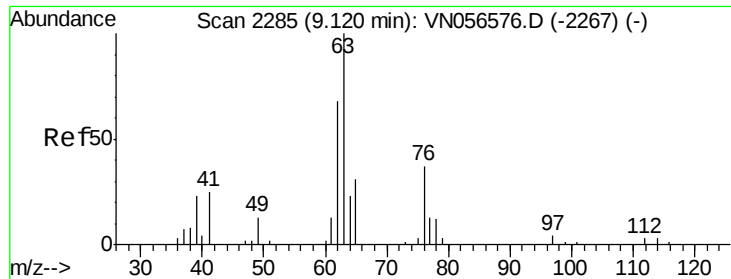


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





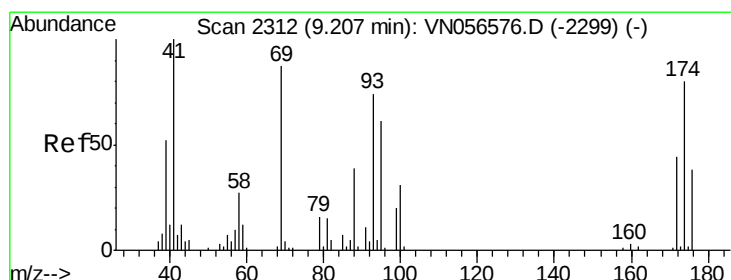
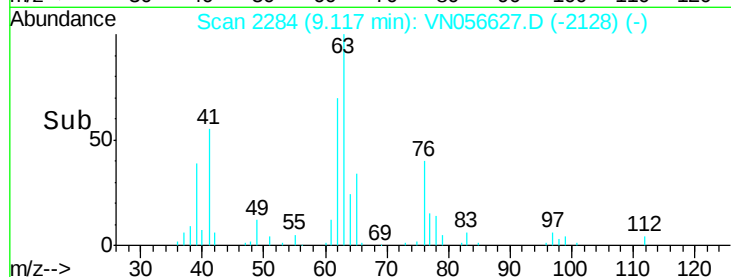
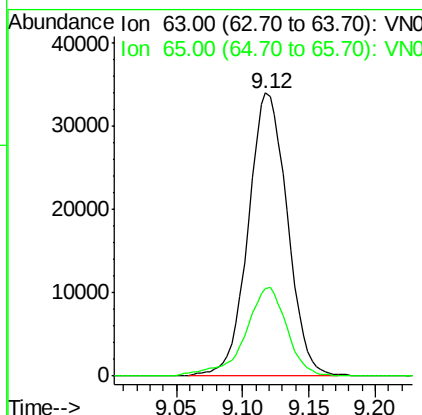
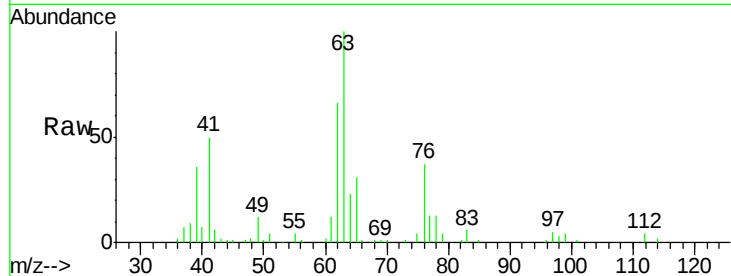
#39
 1,2-Dichloropropane
 Concen: 19.155 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

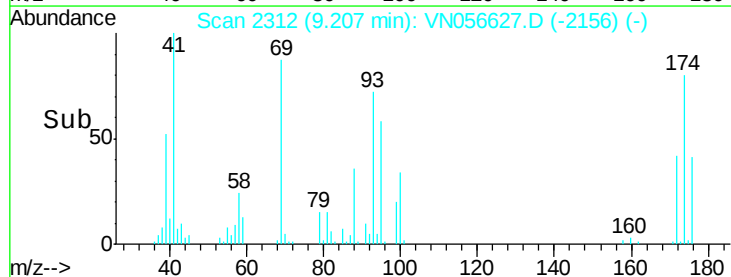
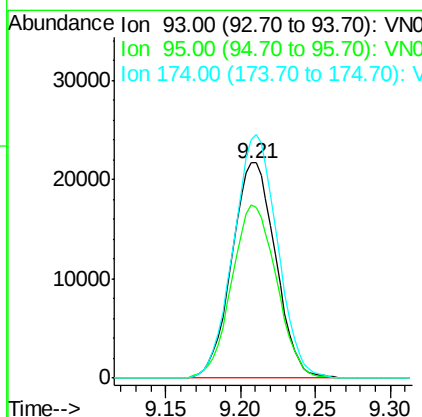
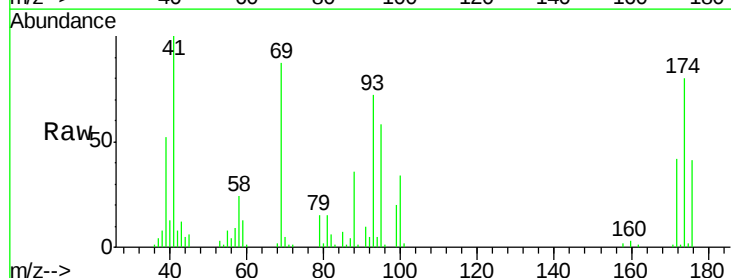
Manual Integrations
 APPROVED

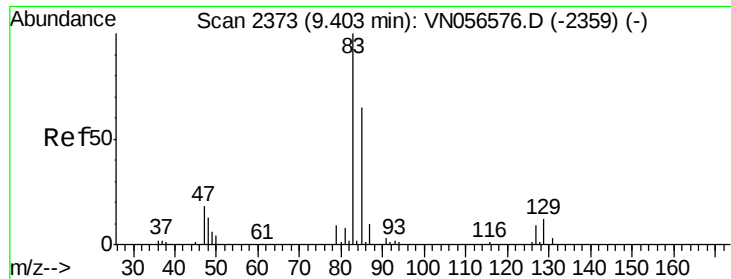
MMDadoda
 7/10/2019 9:18:11 AM



#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

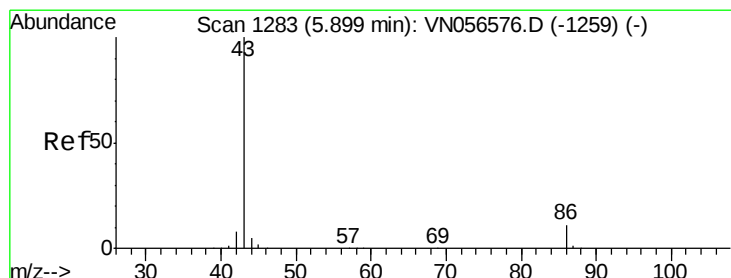
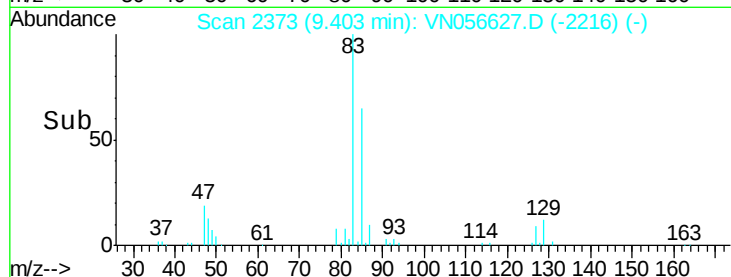
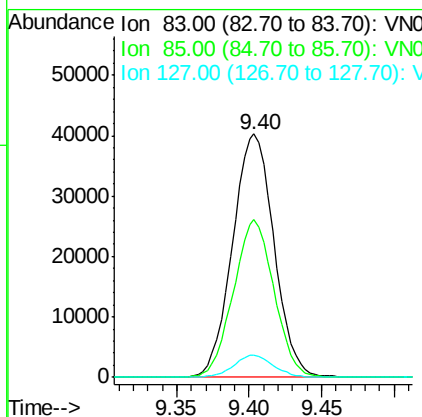
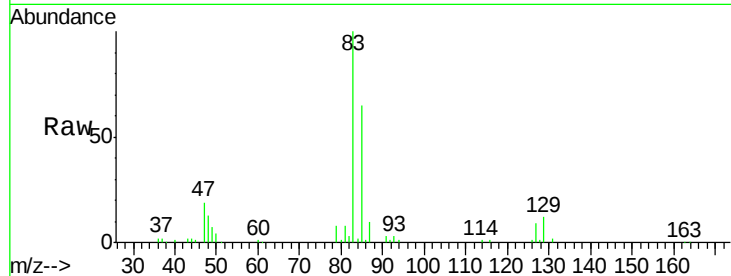
ClientSampleId :

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

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#42

Vinyl Acetate

Concen: 96.229 ug/l

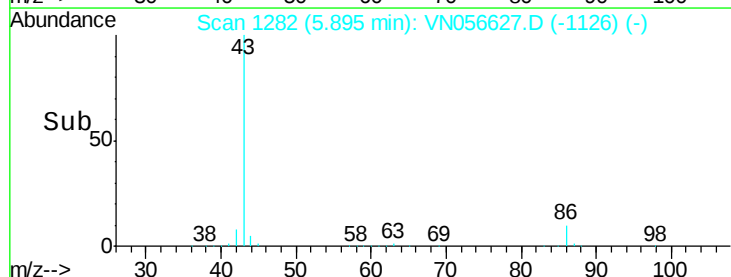
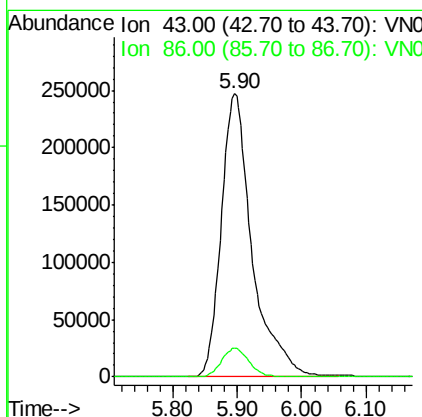
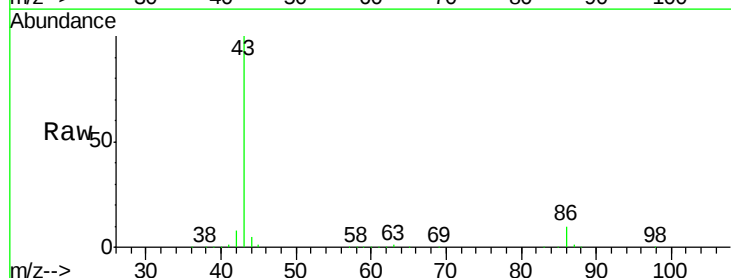
RT: 5.90 min Scan# 1282

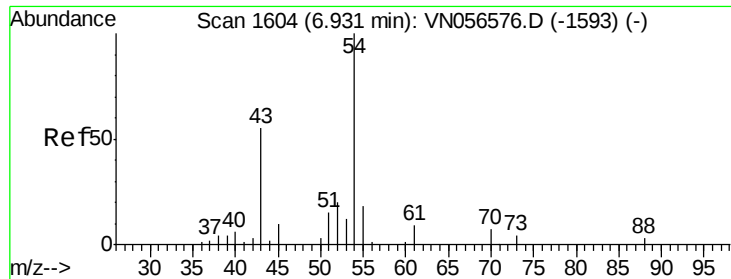
Delta R.T. 0.00 min

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





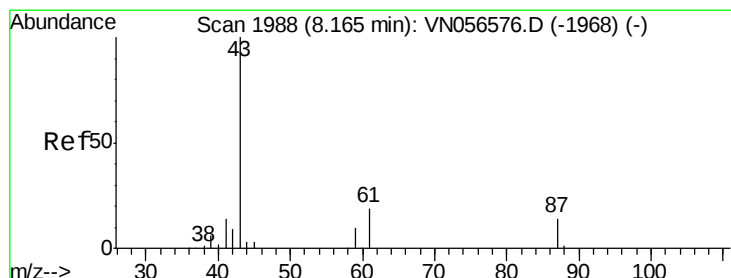
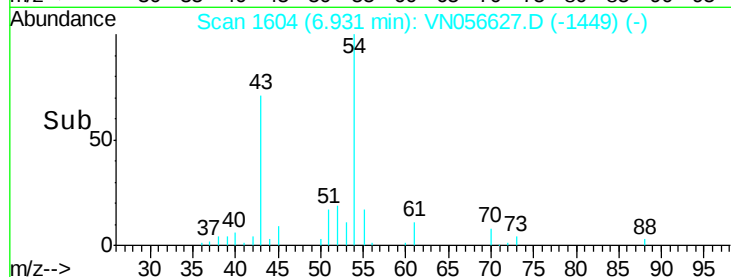
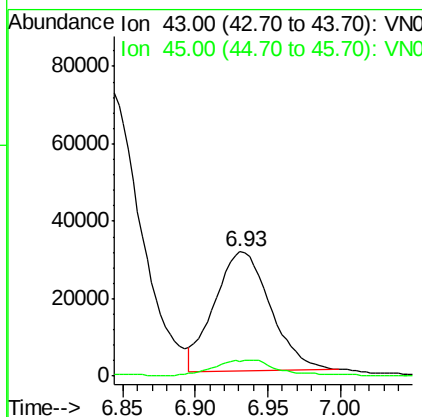
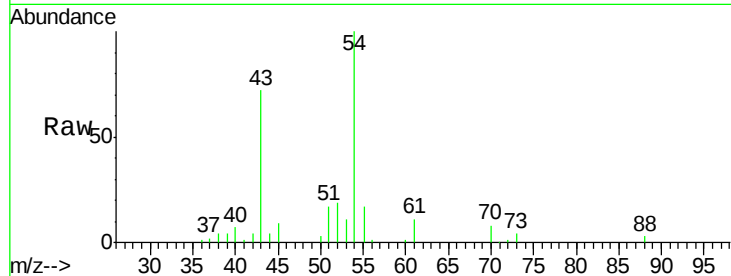
#43
Ethyl Acetate
Concen: 17.806 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

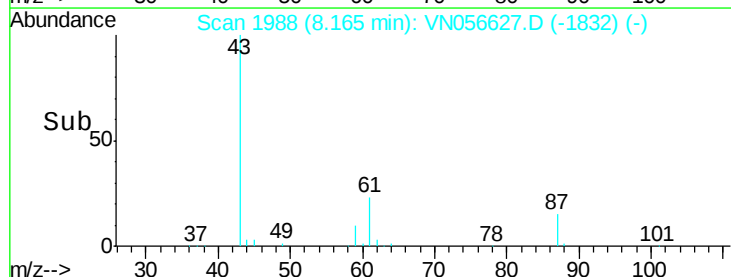
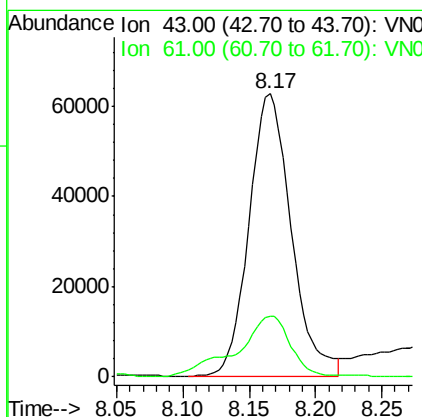
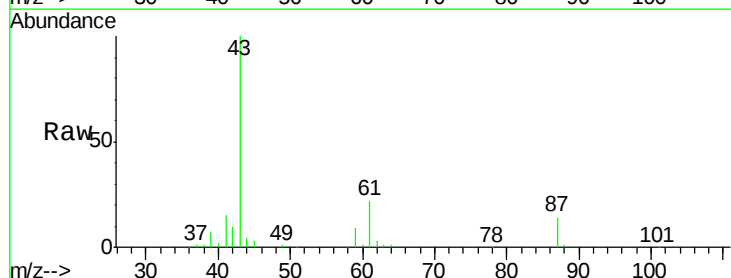
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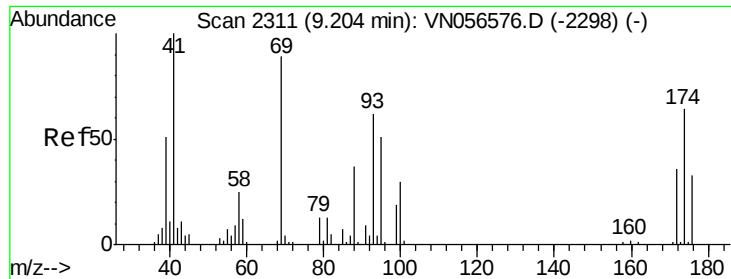
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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





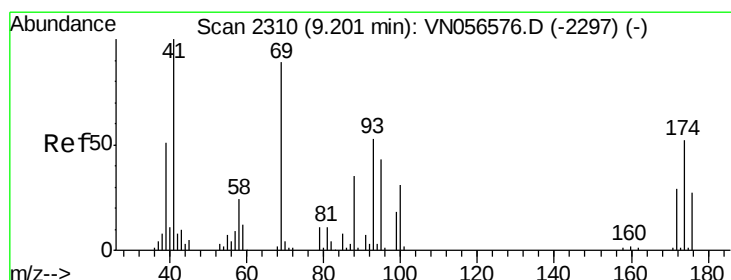
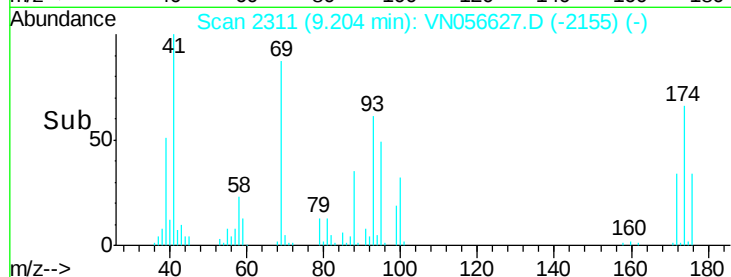
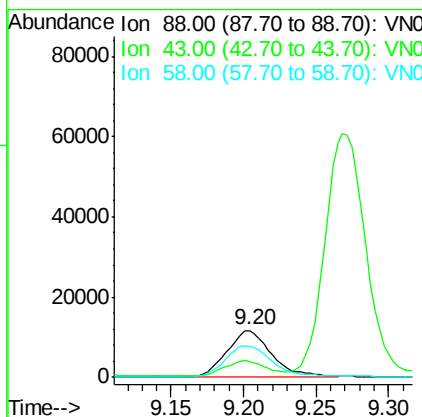
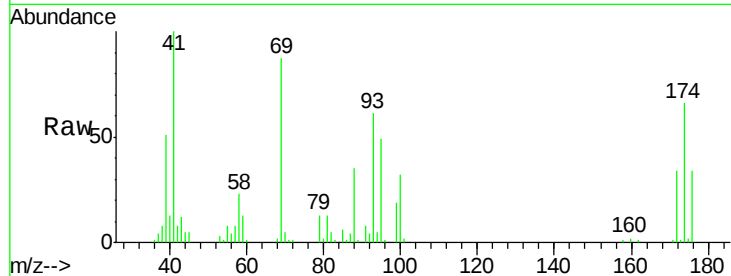
#45
 1,4-Dioxane
 Concen: 352.479 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

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

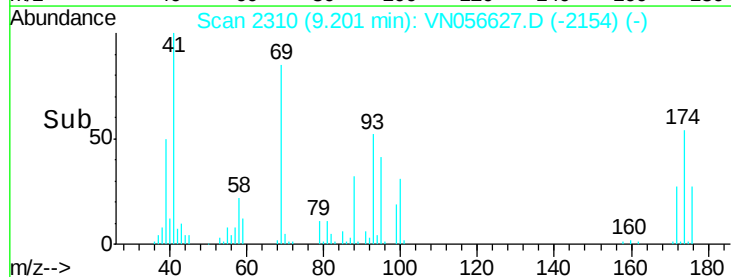
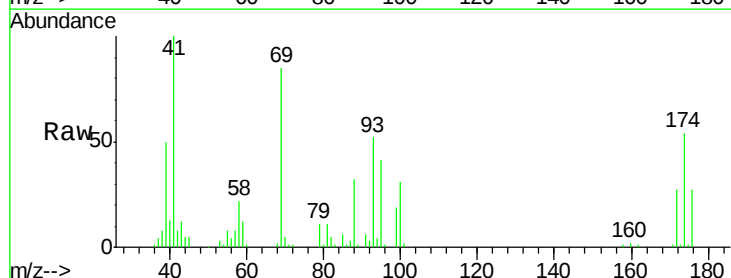
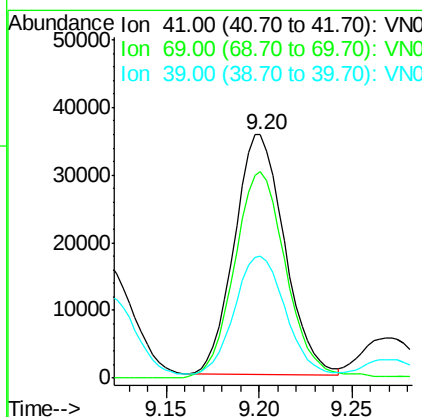
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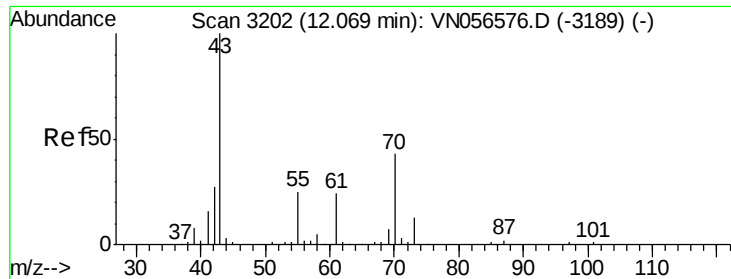
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#46
 Methyl methacrylate
 Concen: 18.791 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

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





#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

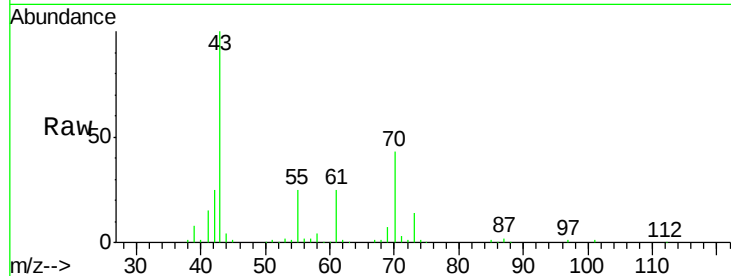
55 25.6 19.0 28.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

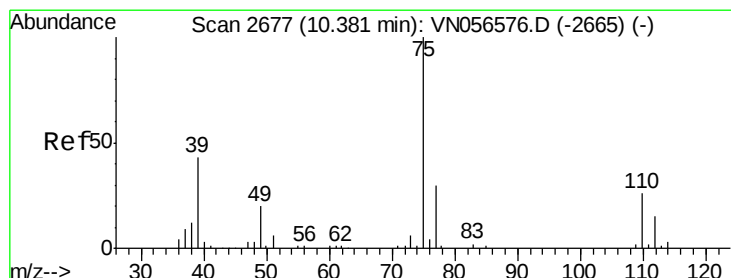
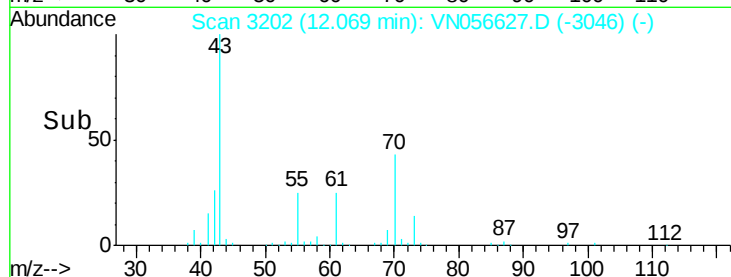
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 18.818 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056627.D

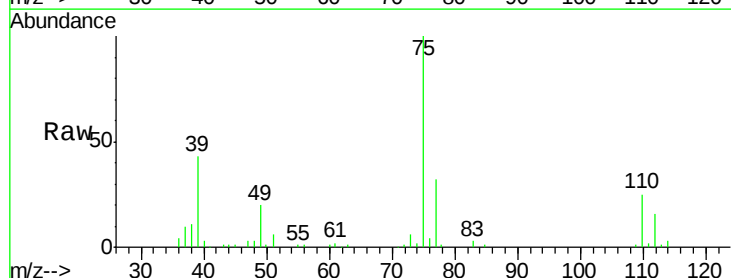
Acq: 9 Jul 2019 14:06

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

10.38

50000

40000

30000

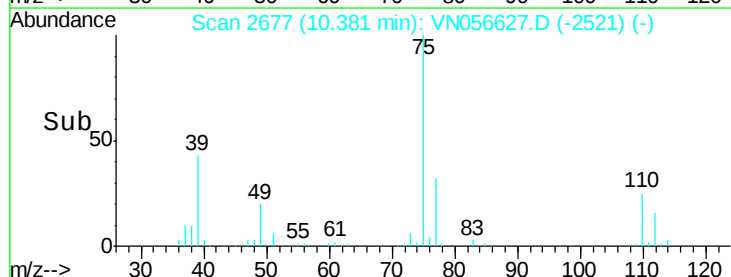
20000

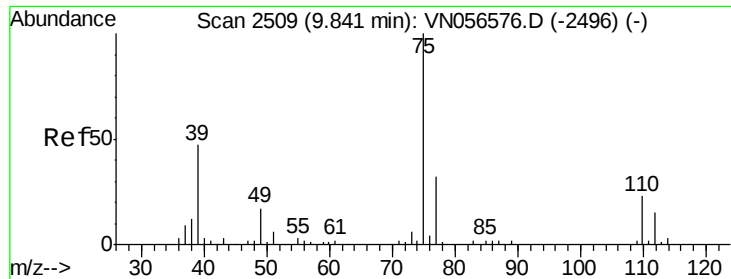
10000

0

Time-->

10.30 10.35 10.40 10.45





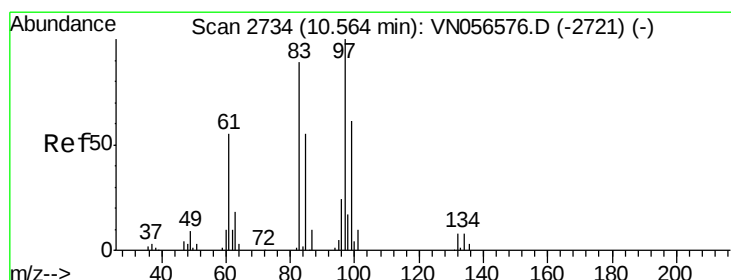
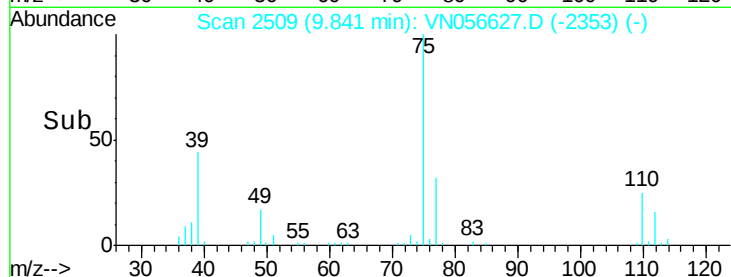
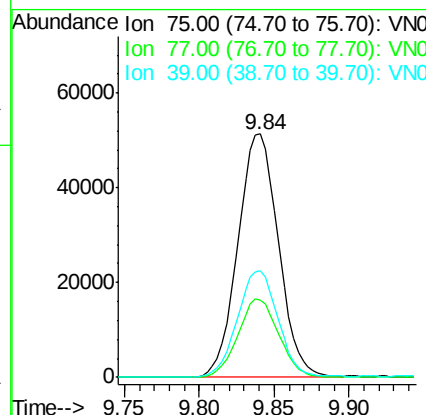
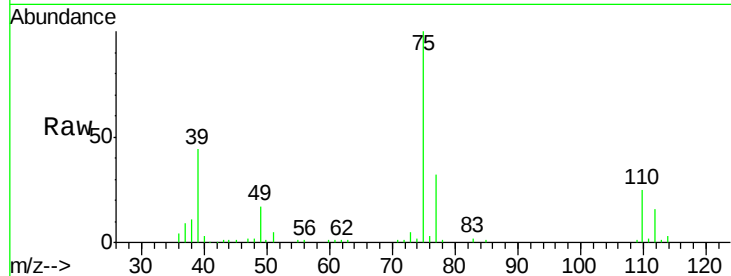
#49
 cis-1,3-Dichloropropene
 Concen: 18.748 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

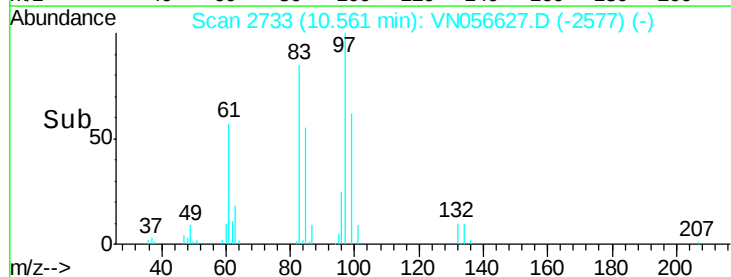
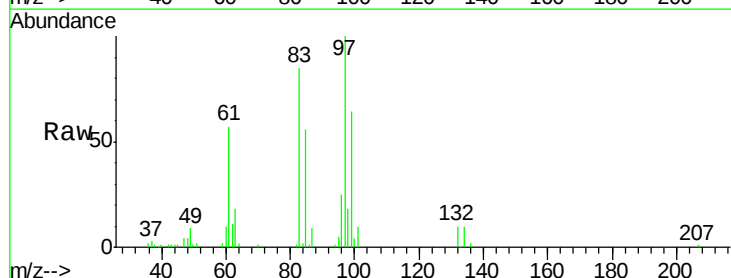
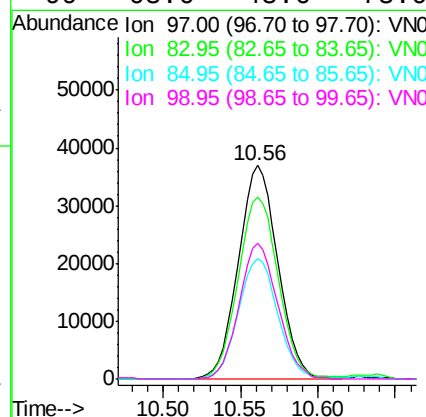
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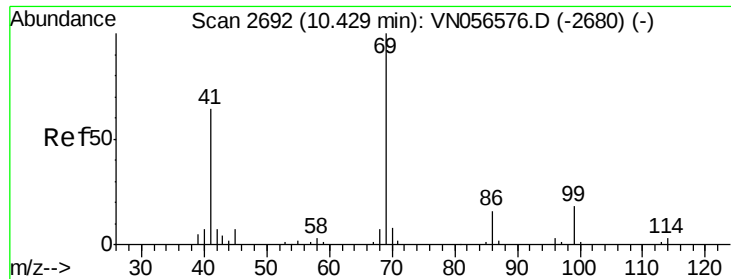
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#50
 1,1,2-Trichloroethane
 Concen: 19.708 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	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





#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

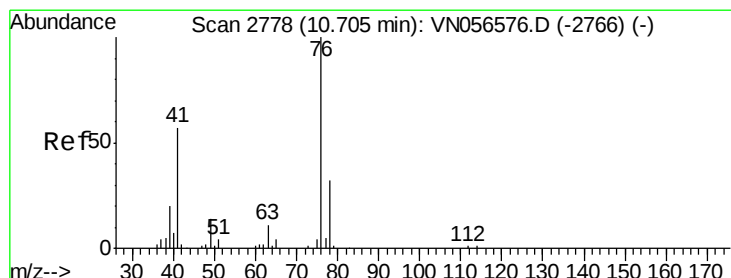
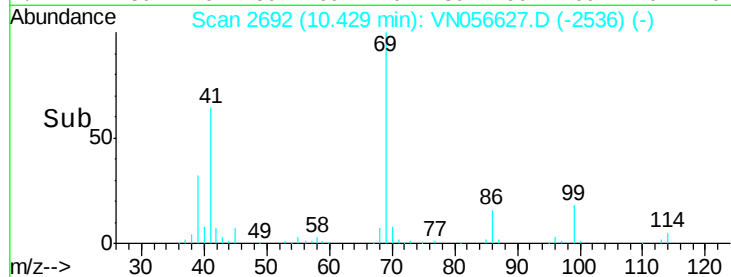
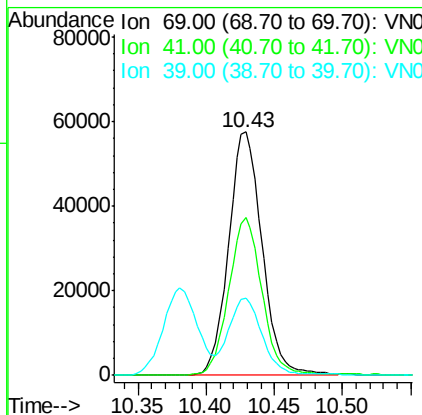
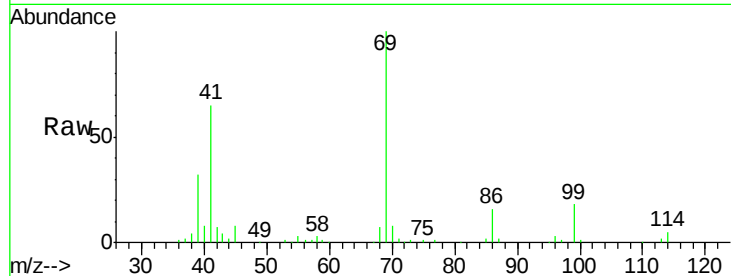
ClientSampleId :

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

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.350 ug/l

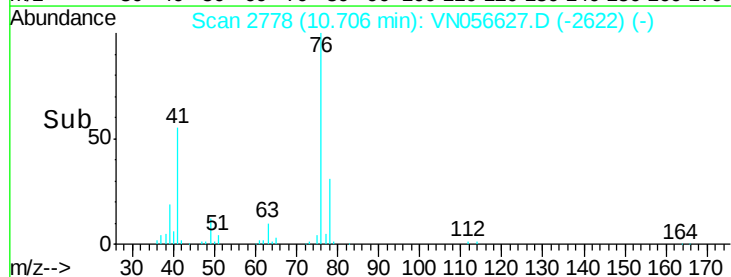
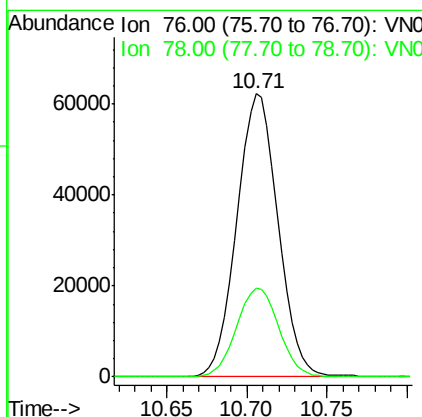
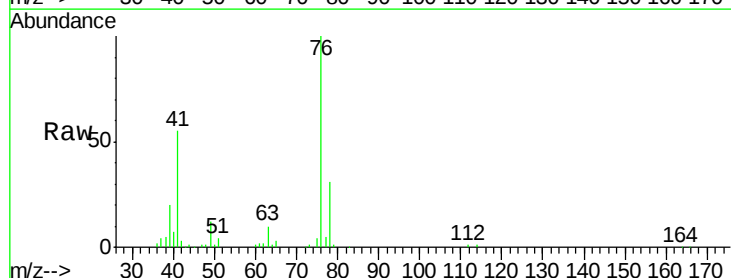
RT: 10.71 min Scan# 2778

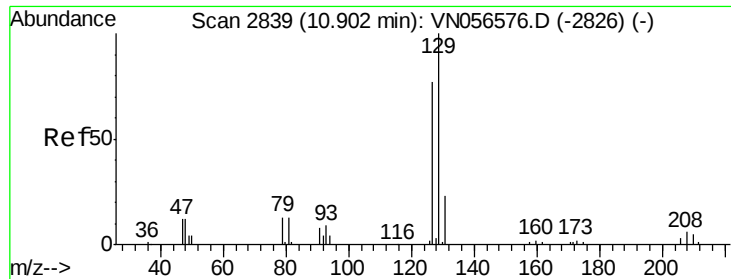
Delta R.T. 0.00 min

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





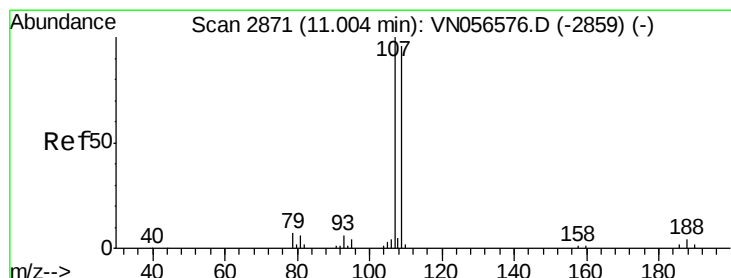
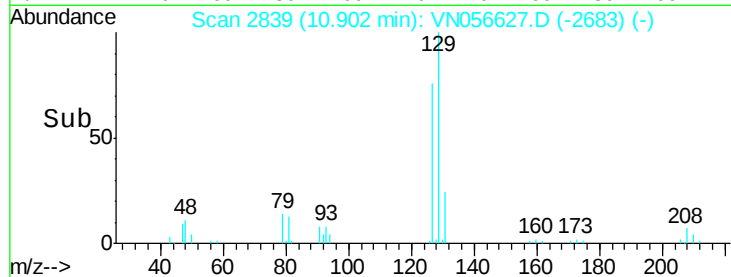
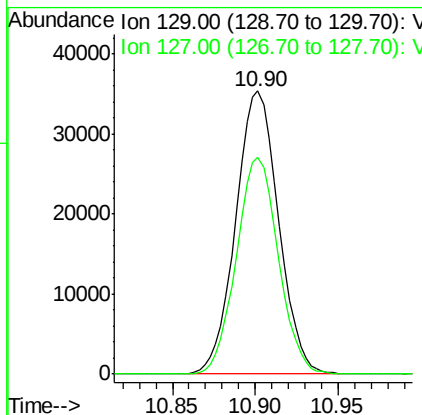
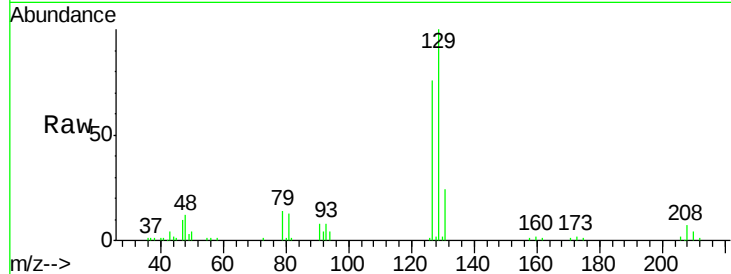
#53
 Dibromochloromethane
 Concen: 19.484 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion:129 Resp: 63556
 Ion Ratio Lower Upper
 129 100
 127 74.8 39.1 117.5

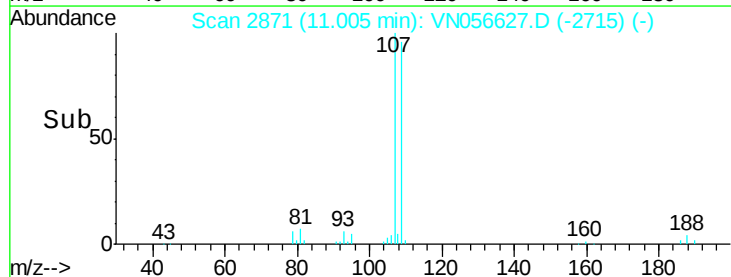
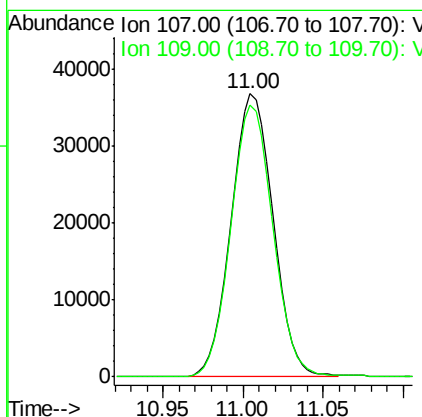
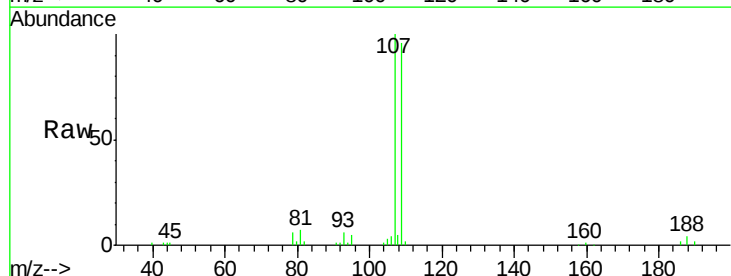
Manual Integrations
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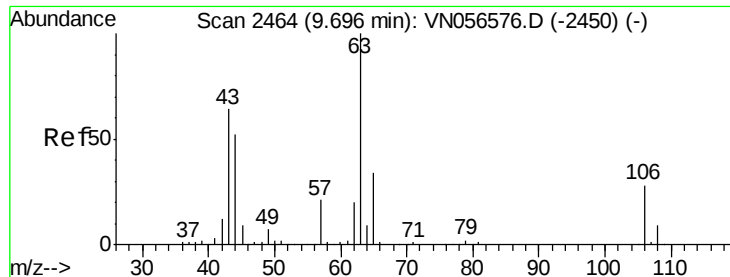
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#54
 1,2-Dibromoethane
 Concen: 19.013 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion:107 Resp: 65932
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2





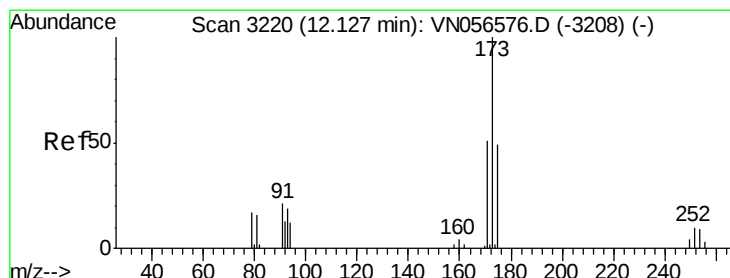
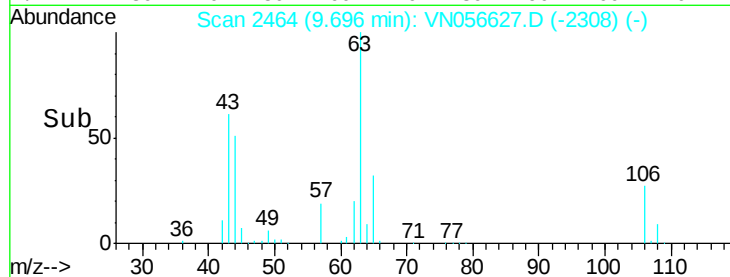
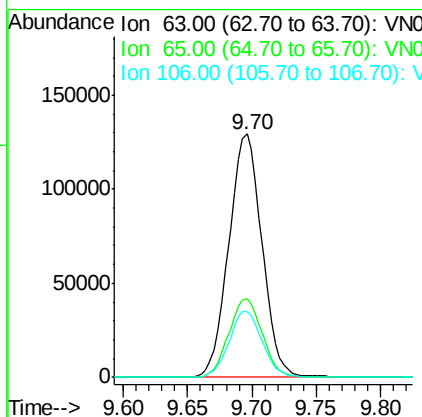
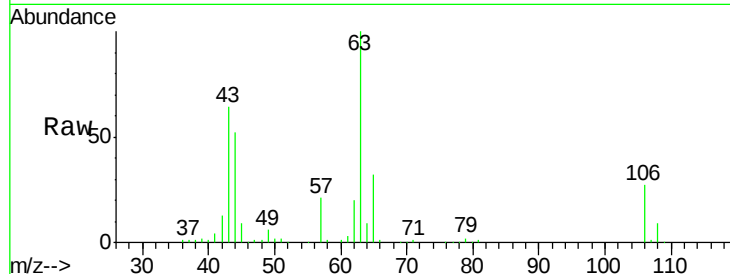
#55
2-Chloroethyl vinyl ether
Concen: 86.697 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

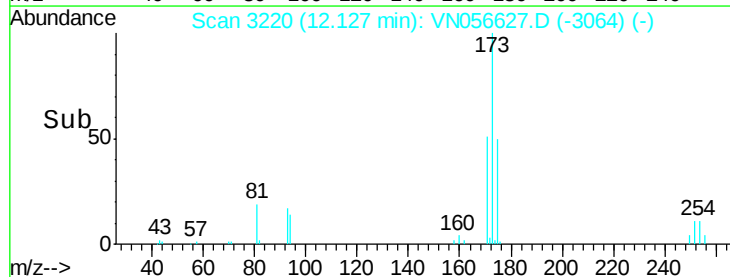
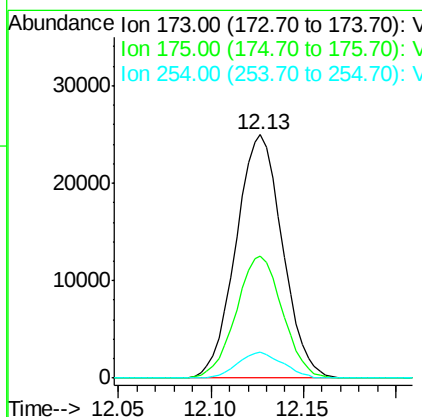
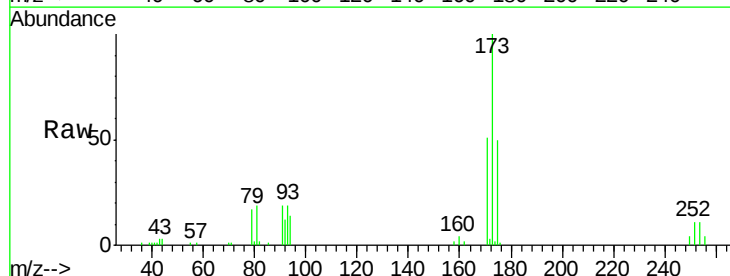
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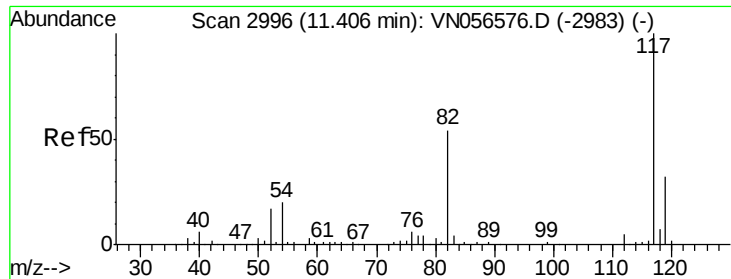
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#56
Bromoform
Concen: 18.319 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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





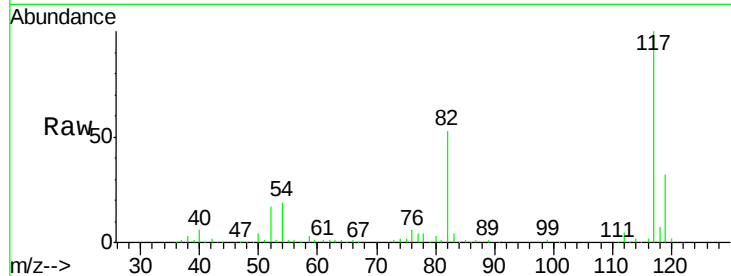
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

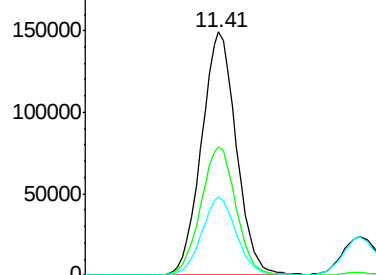
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.2	61.8
119	32.0	26.2	39.2

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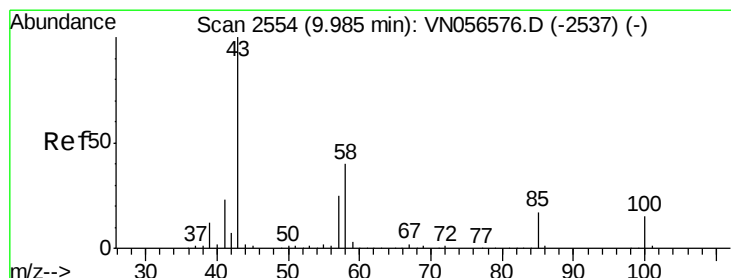
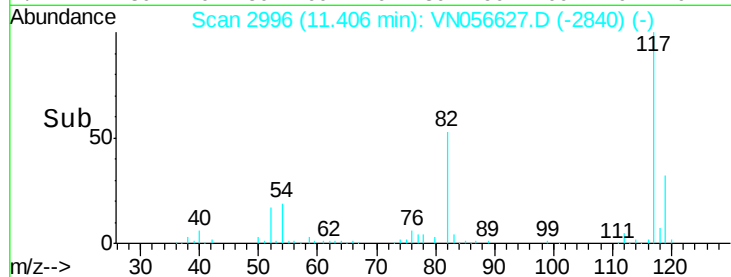
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

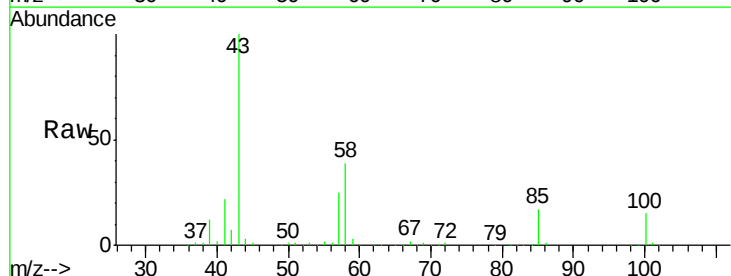


Time-->

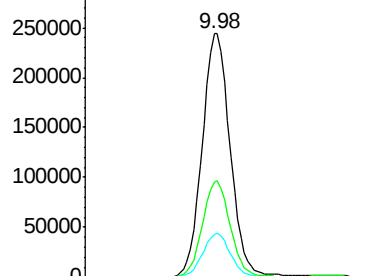


#58
4-Methyl-2-Pentanone
Concen: 96.469 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

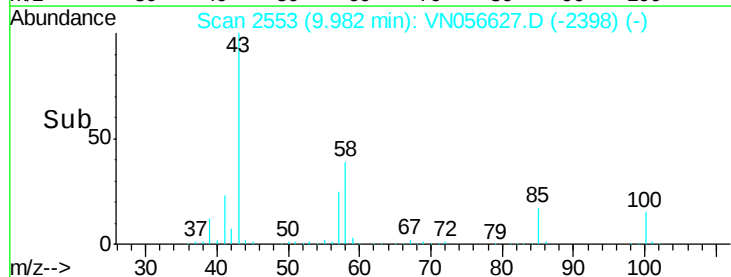
Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	33.1	49.7
85	17.7	15.5	23.3

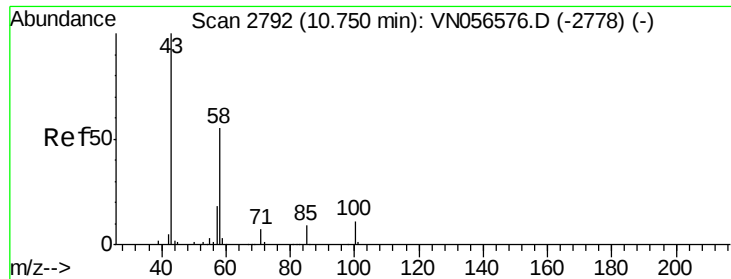


Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V



Time-->





#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

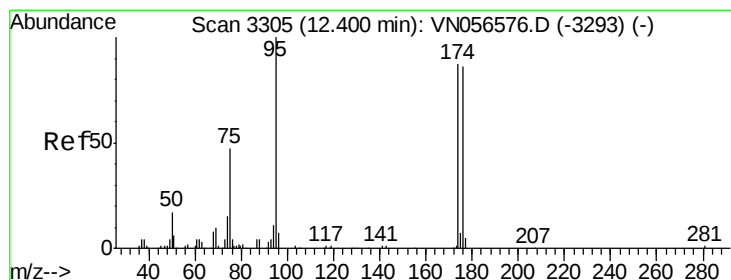
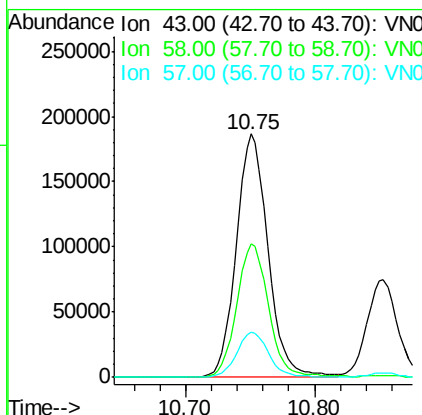
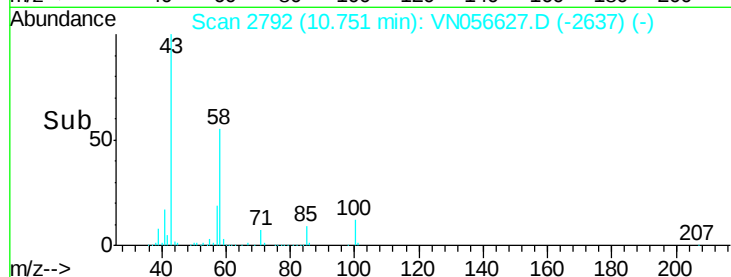
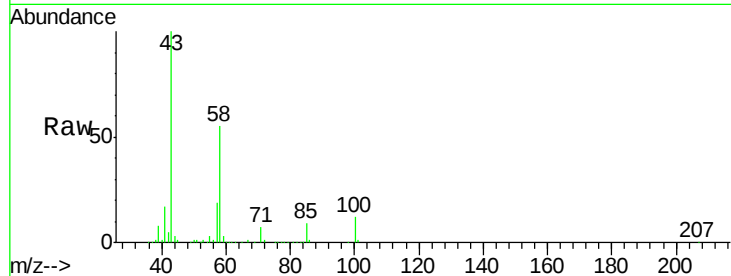
ClientSampleId :

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

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#60

4-Bromofluorobenzene

Concen: 30.332 ug/l

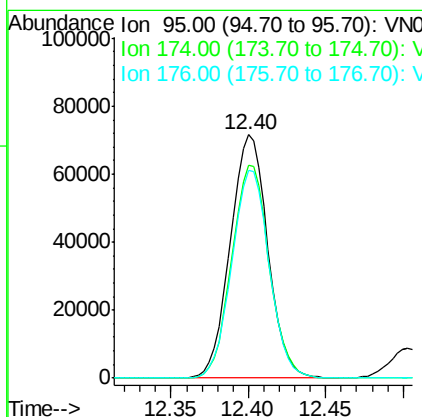
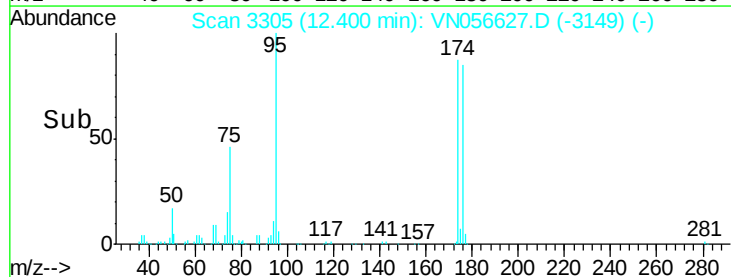
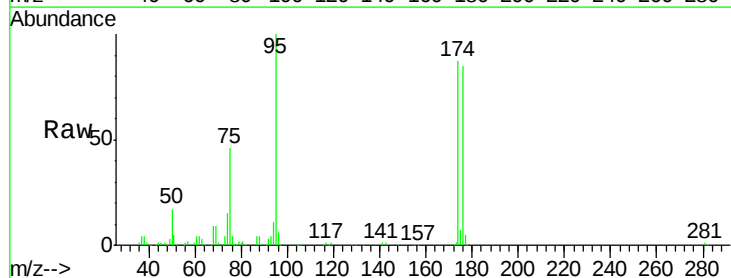
RT: 12.40 min Scan# 3305

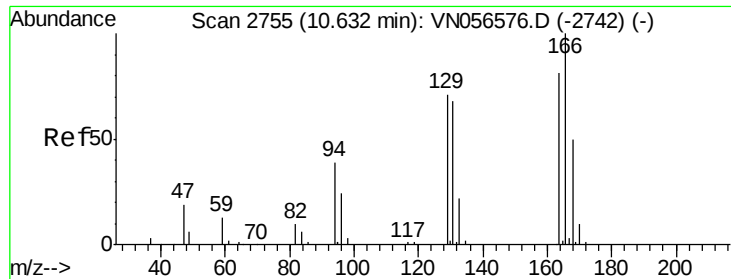
Delta R.T. 0.00 min

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

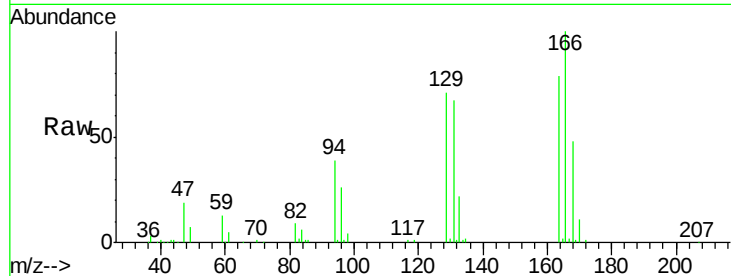
129 89.9 71.5 107.3

131 84.7 67.7 101.5

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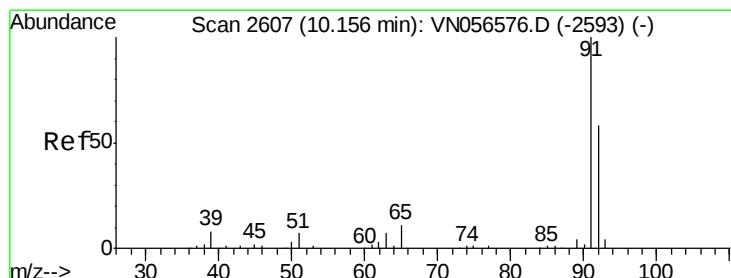
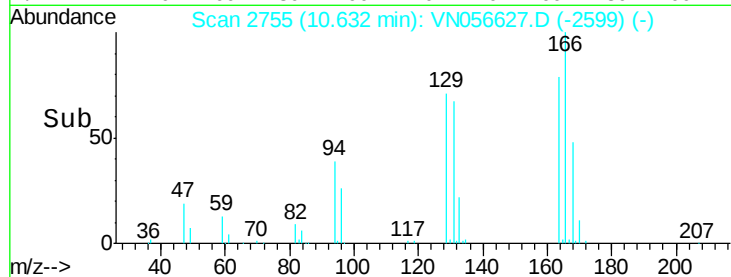
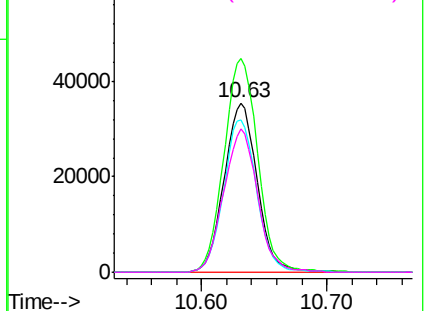


Abundance Ion 163.85 (163.55 to 164.55): V

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

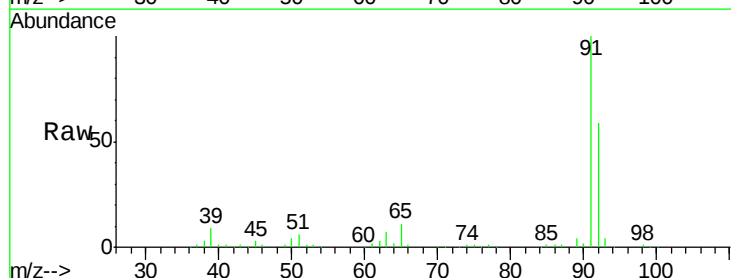
Acq: 9 Jul 2019 14:06

Tgt Ion: 91 Resp: 277346

Ion Ratio Lower Upper

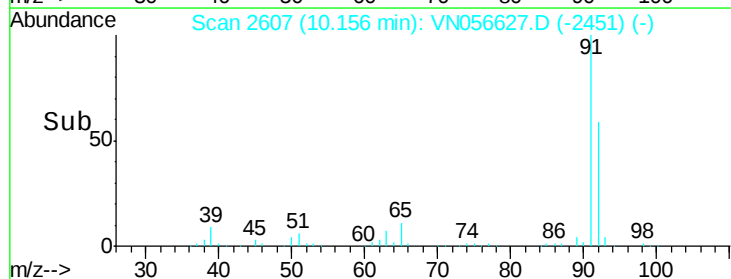
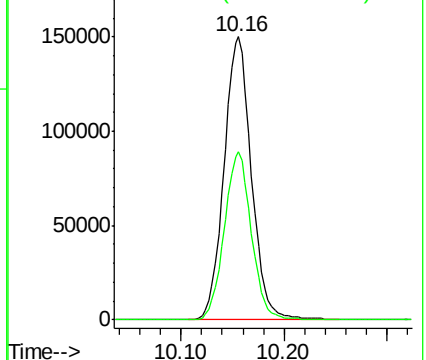
91 100

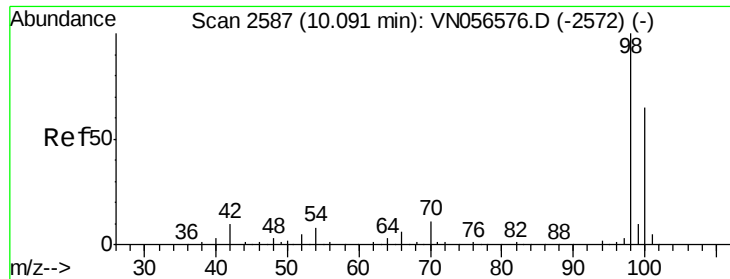
92 58.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





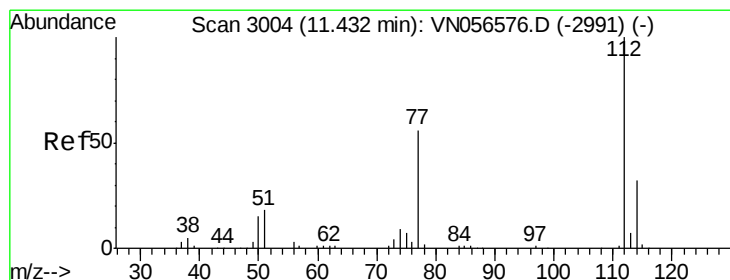
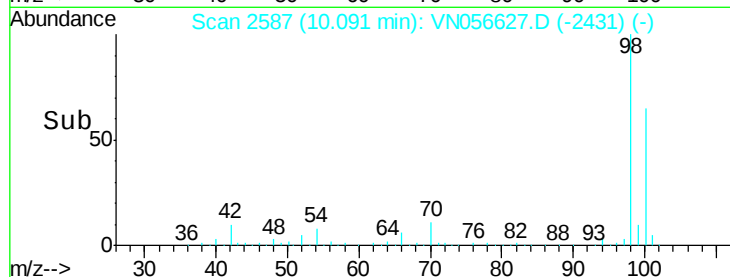
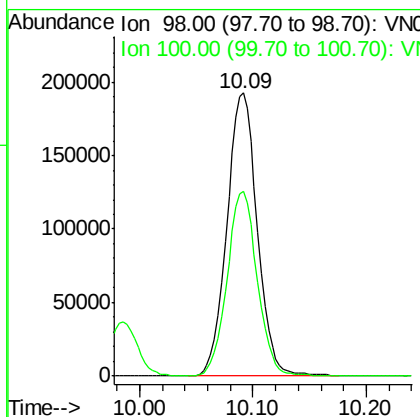
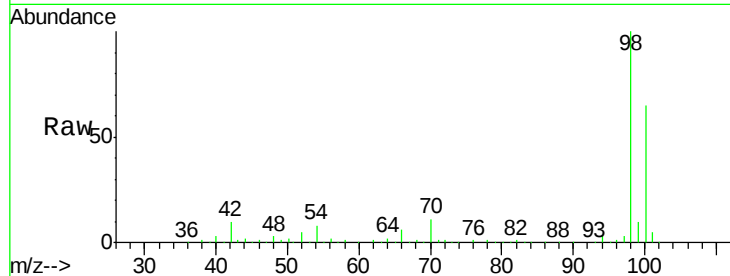
#63
Toluene-d8
Concen: 30.006 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

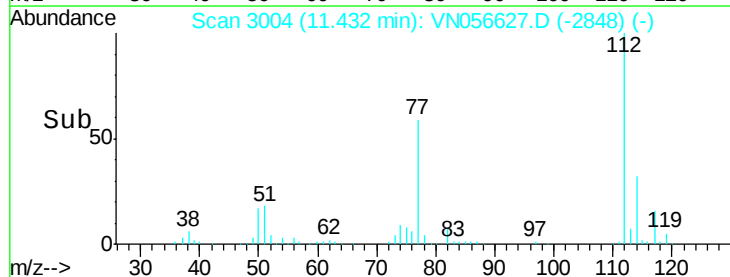
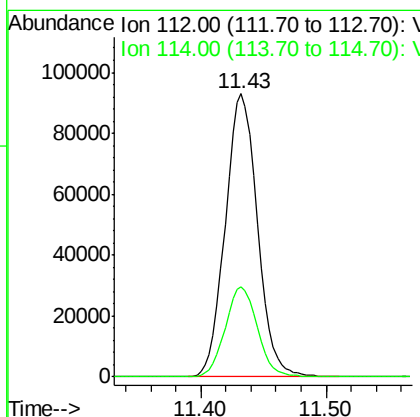
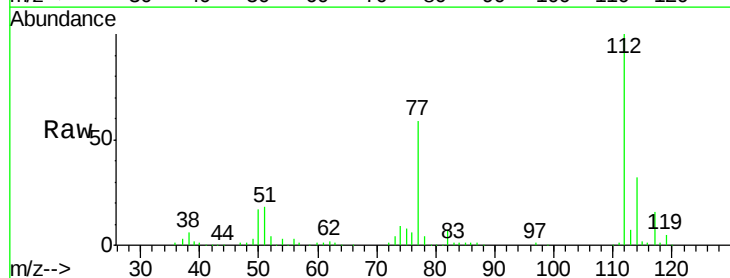
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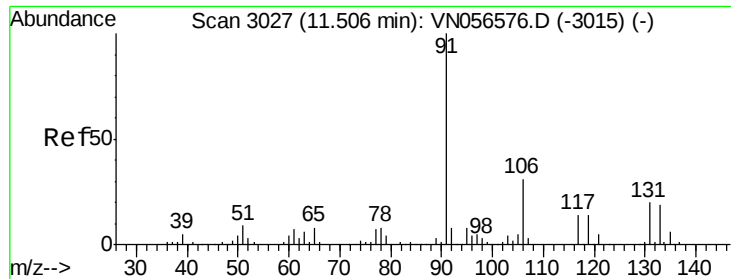
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#64
Chlorobenzene
Concen: 19.065 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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





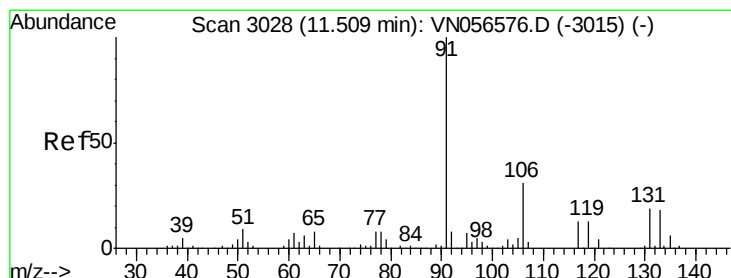
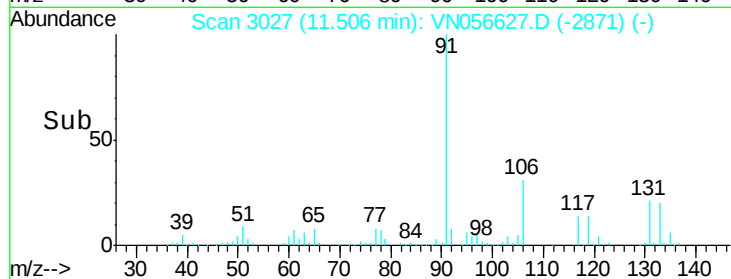
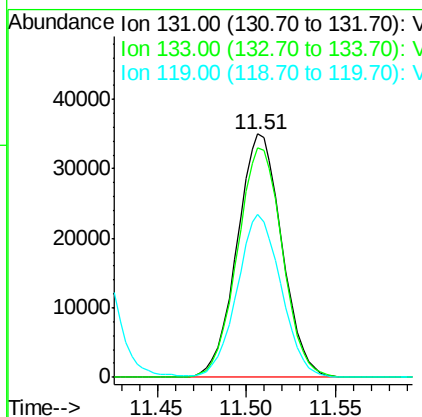
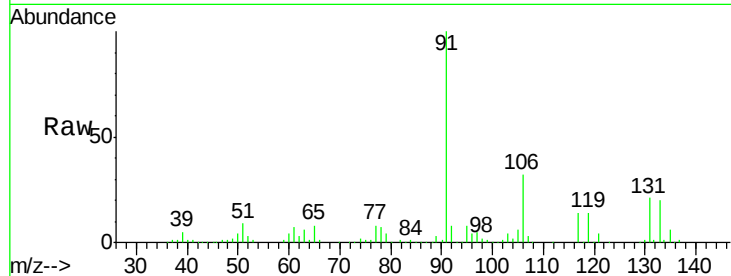
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.545 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

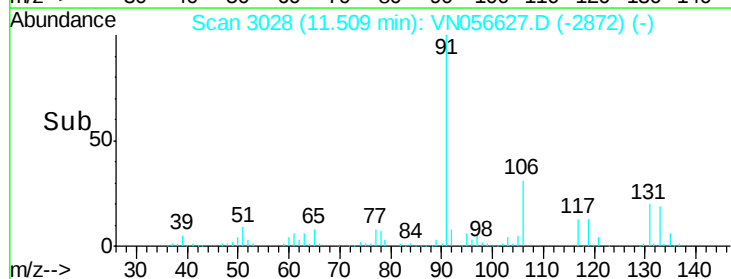
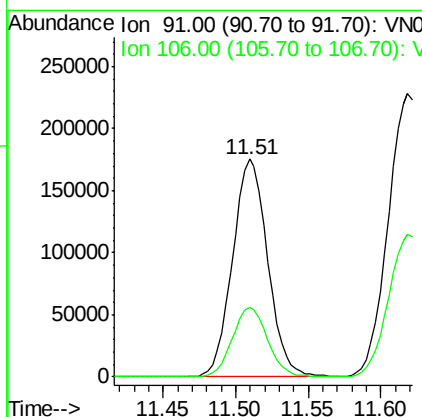
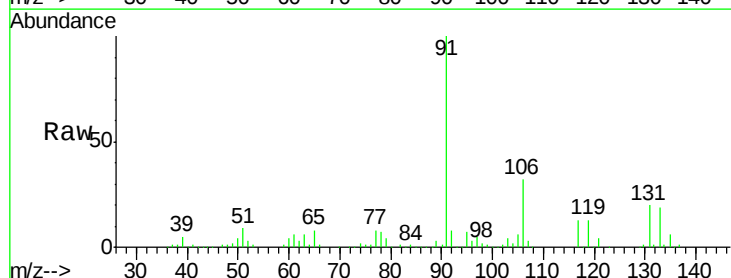
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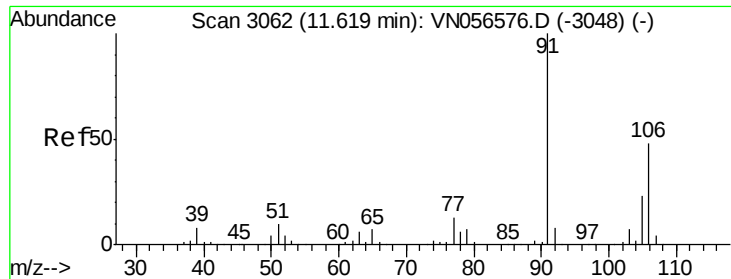
MMDadoda
 7/10/2019 9:18:11 AM



#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	Ratio	Lower	Upper
91	100		
106	31.9	25.7	38.5





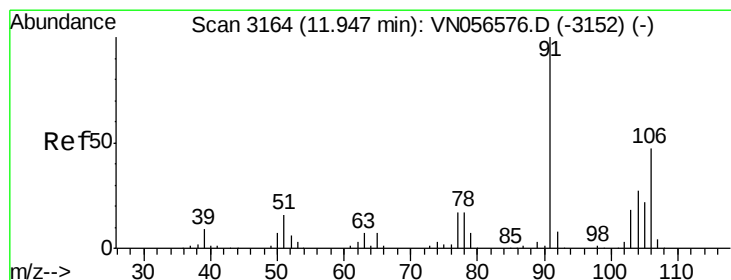
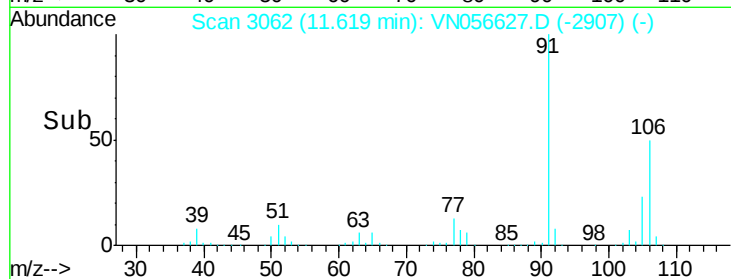
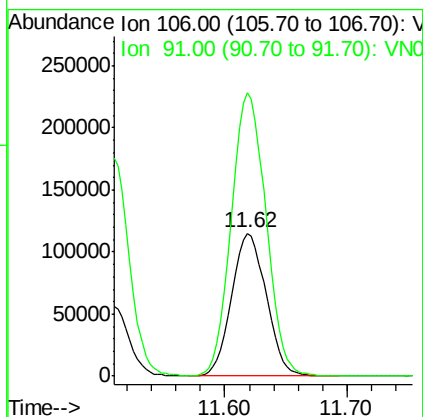
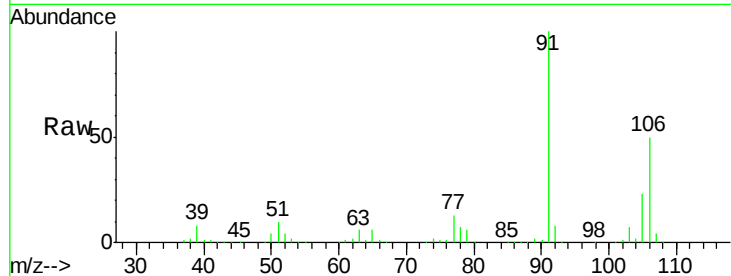
#67
m/p-Xvlenes
Concen: 39.396 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

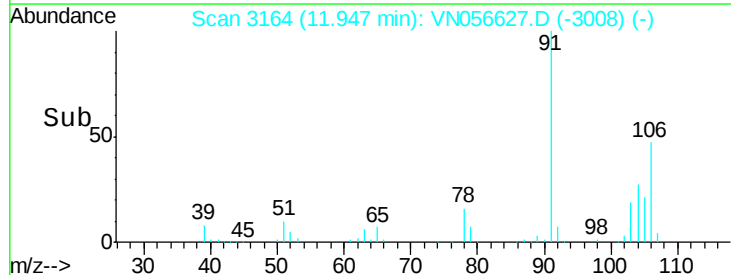
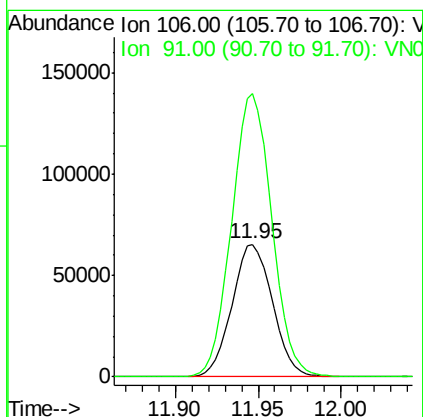
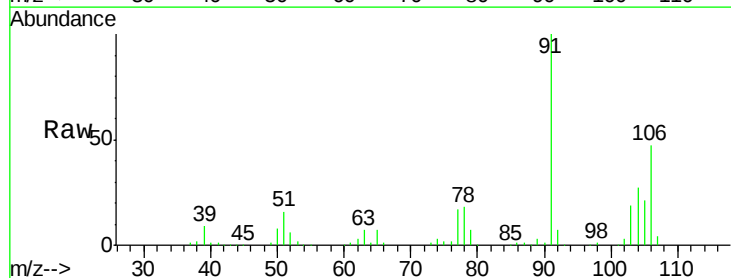
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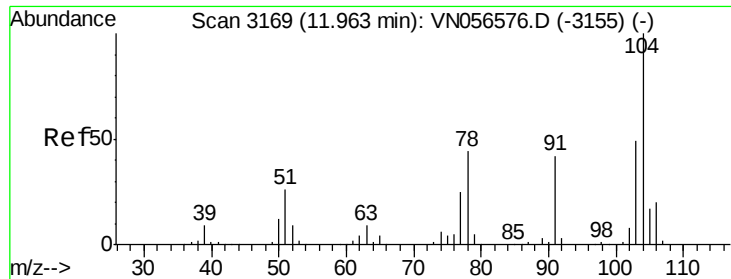
MMDadoda
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#68
o-Xylene
Concen: 19.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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





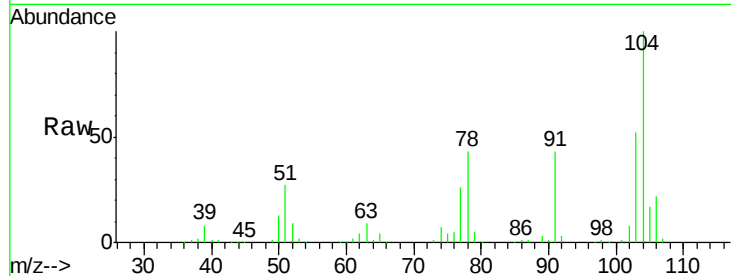
#69
Stvrene
Concen: 18.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

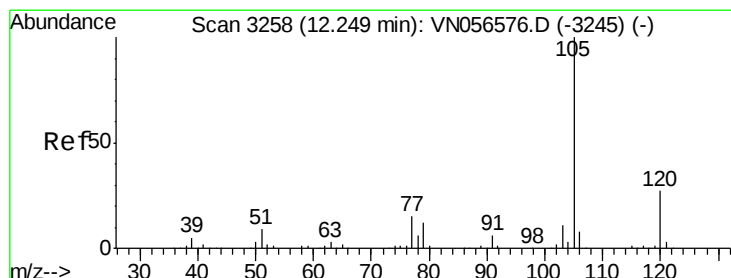
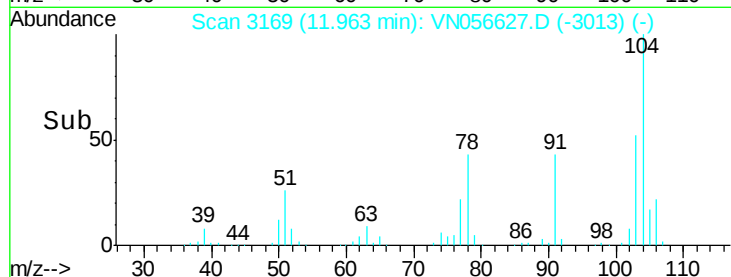
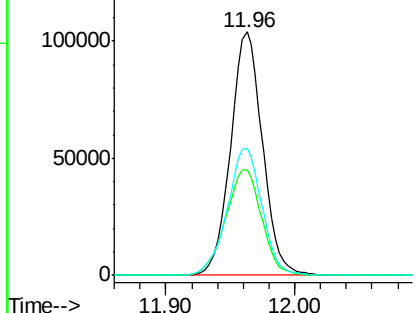
Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		178908		
78	48.7	37.0	55.6		
103	56.5	44.4	66.6		

Manual Integrations
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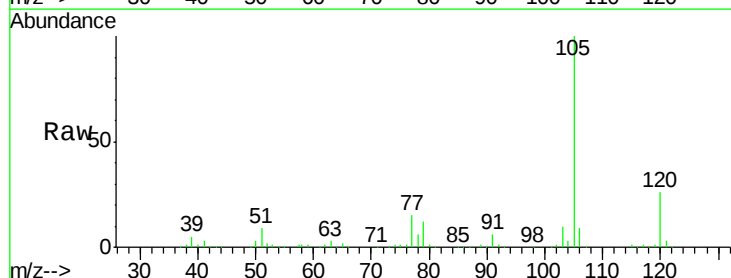


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

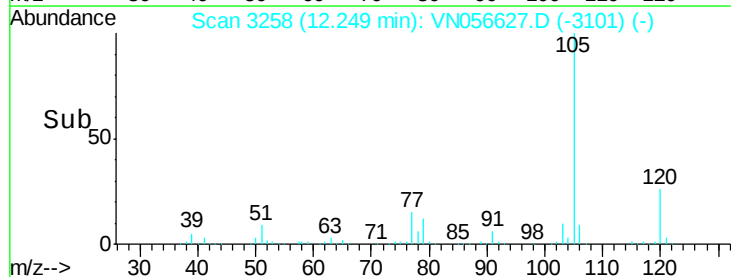
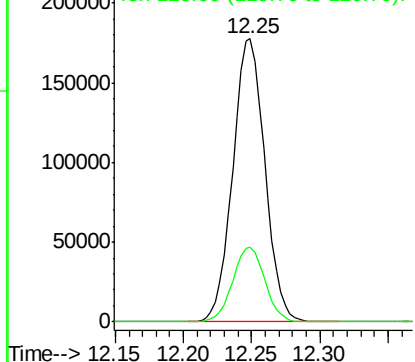


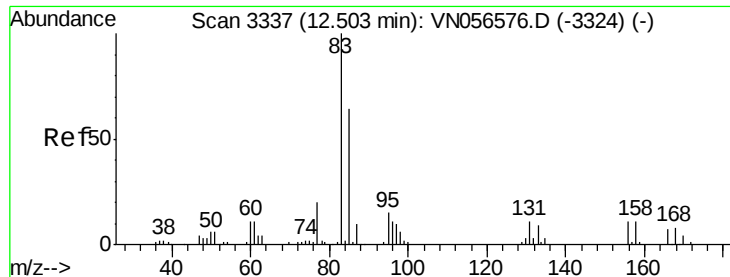
#70
Isopropylbenzene
Concen: 19.524 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		290487		
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





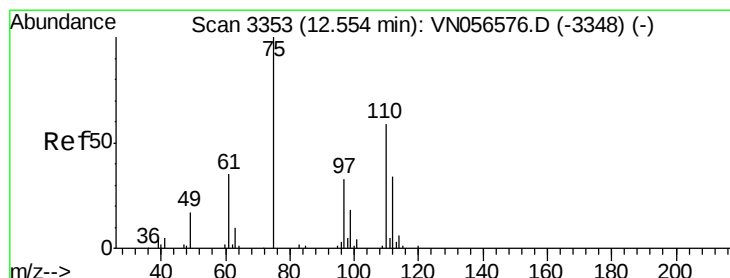
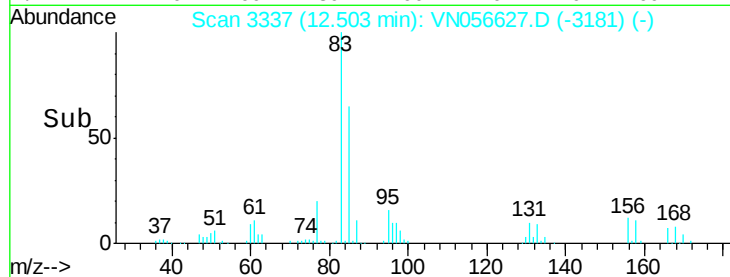
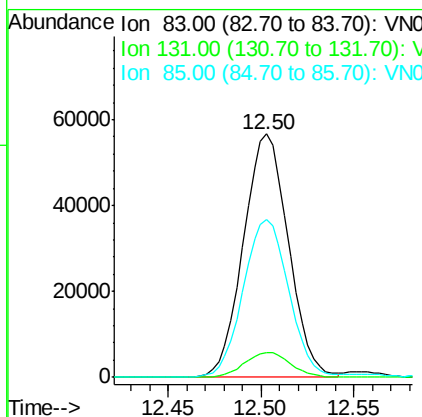
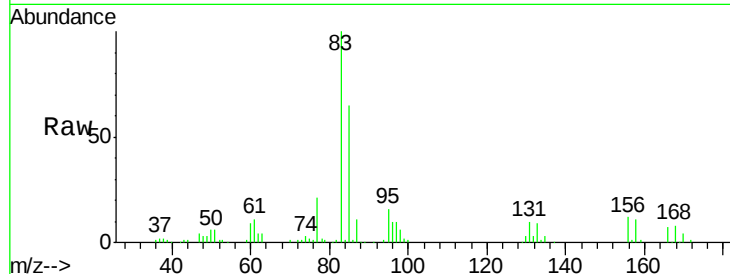
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.453 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

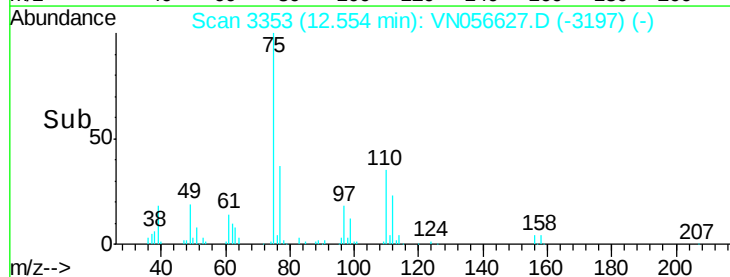
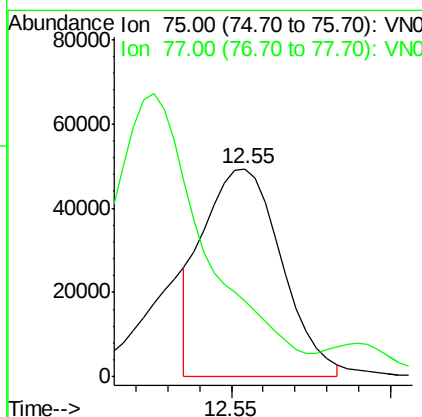
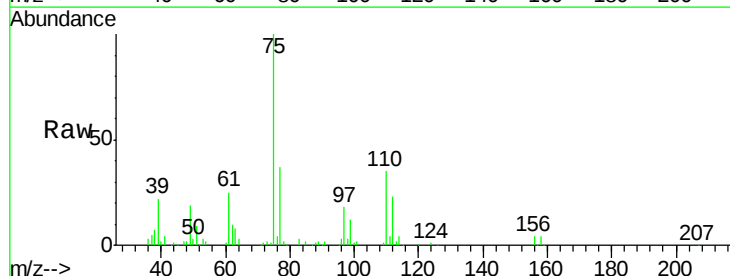
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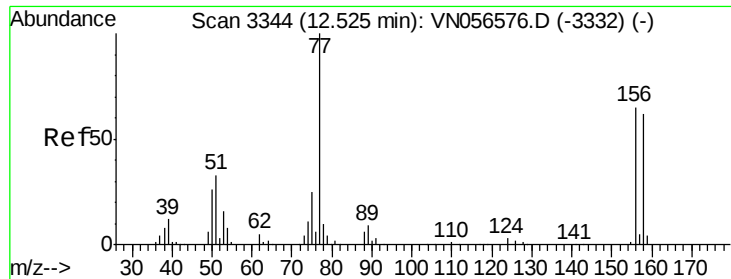
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 7/10/2019 9:18:11 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.319 ug/l m
 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	84052
Ion Ratio	100	Lower	Upper
75	100		
77	168.0	0.0	350.0





#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

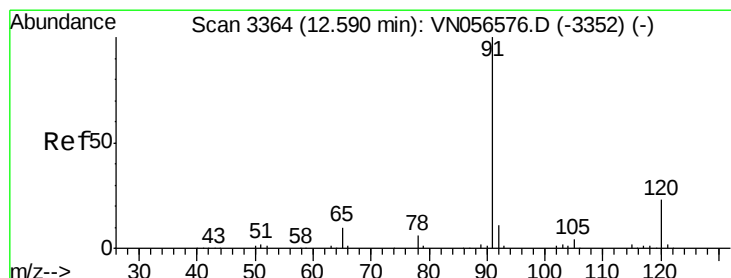
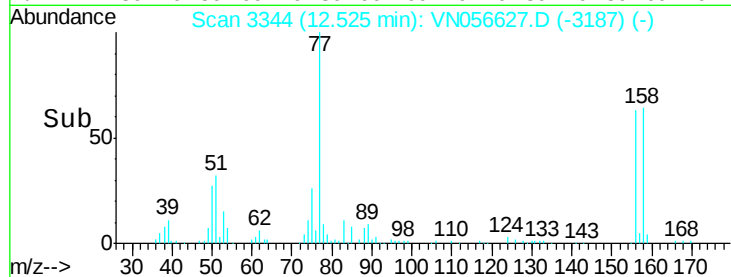
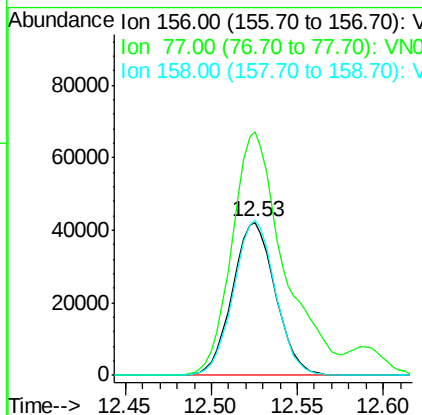
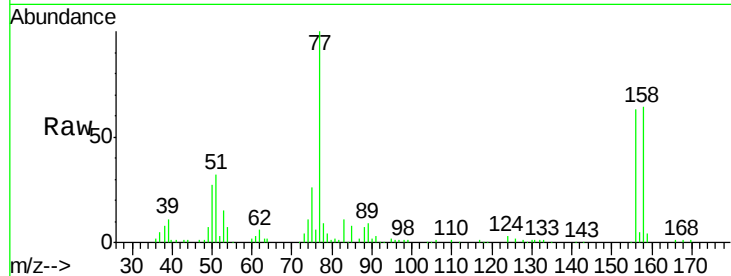
ClientSampleId :

VN0709WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.7	0.0	350.8
158	98.8	0.0	193.2

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7/10/2019 9:18:11 AM



#74

n-propylbenzene

Concen: 19.231 ug/l

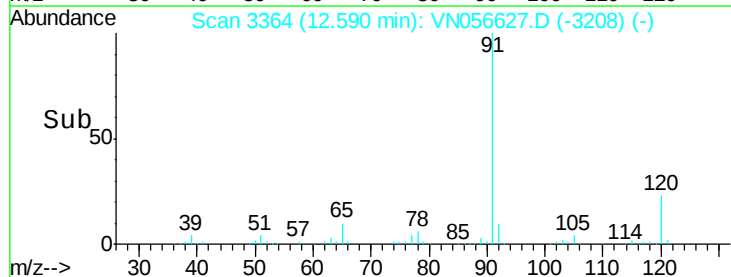
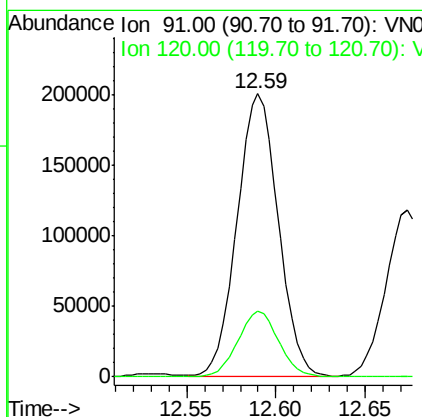
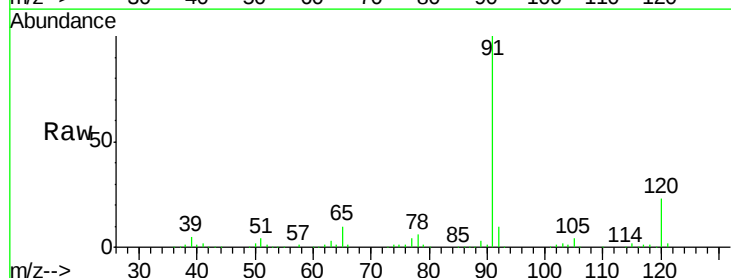
RT: 12.59 min Scan# 3364

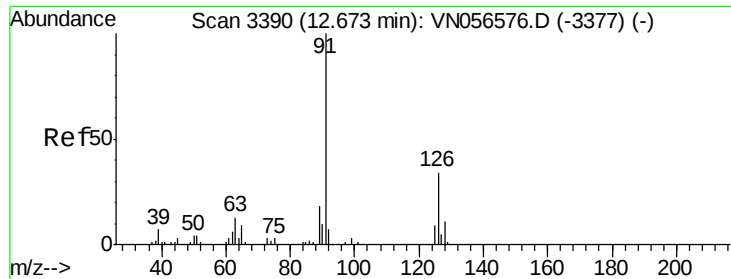
Delta R.T. 0.00 min

Lab File: VN056627.D

Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	48.6





#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

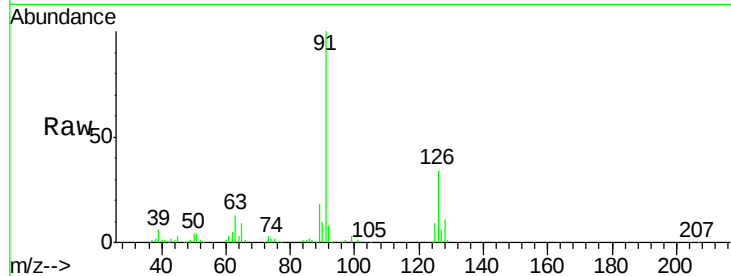
126 35.1 0.0 72.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056627.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN056627.D (-3234) (-)

150000

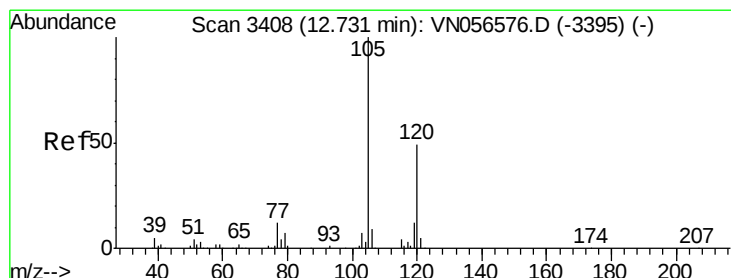
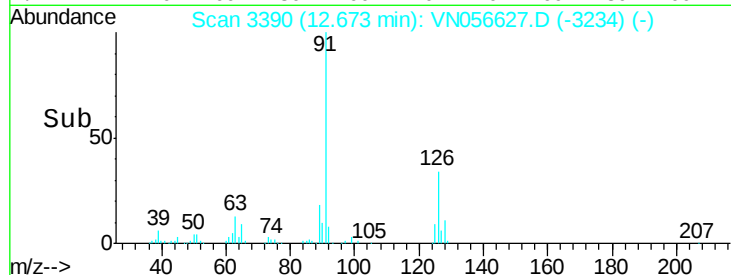
100000

50000

0

12.60 12.65 12.70

Time-->



#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

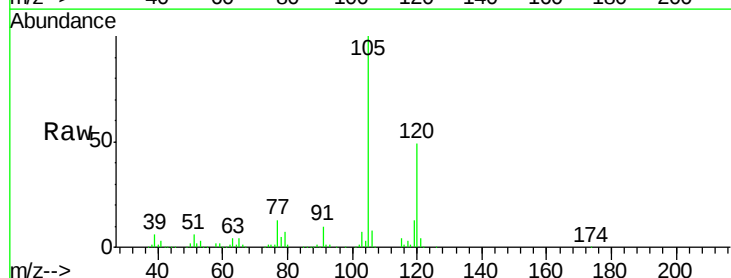
Acq: 9 Jul 2019 14:06

Tgt Ion: 105 Resp: 245706

Ion Ratio Lower Upper

105 100

120 48.7 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056627.D (-3252) (-)

Ion 120.00 (119.70 to 120.70): VN056627.D (-3252) (-)

150000

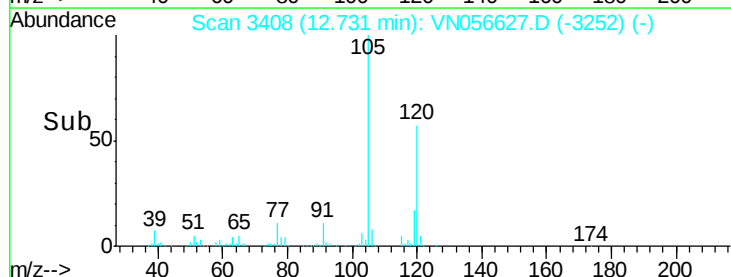
100000

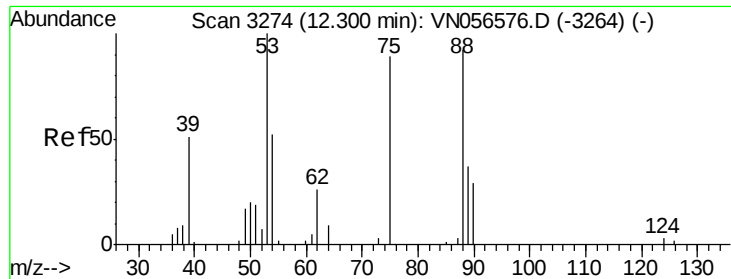
50000

0

12.65 12.70 12.75 12.80

Time-->





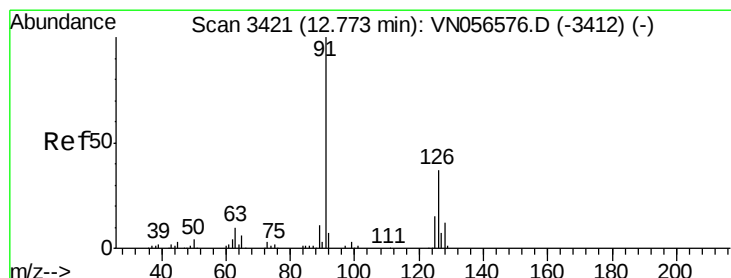
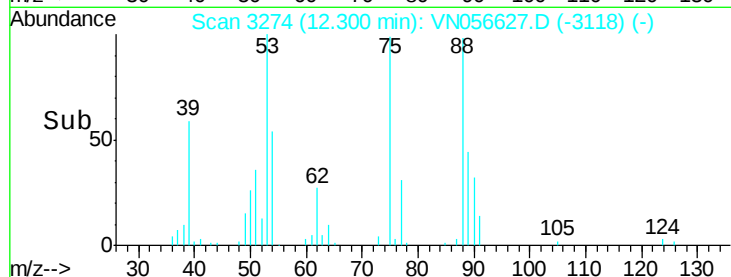
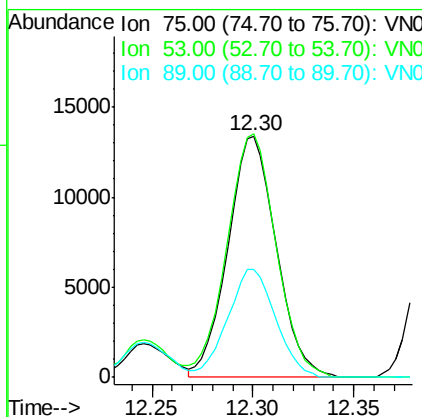
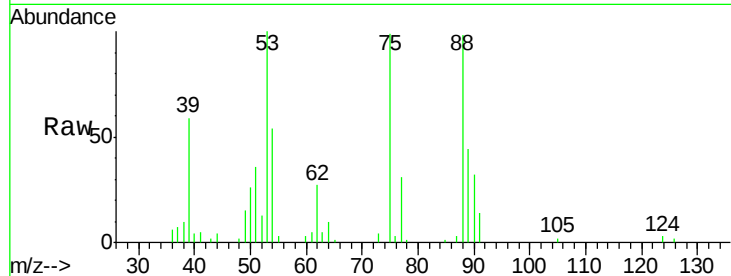
#77
t-1,4-Dichloro-2-butene
Concen: 16.952 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	48.0	144.0
89	44.7	22.5	67.5

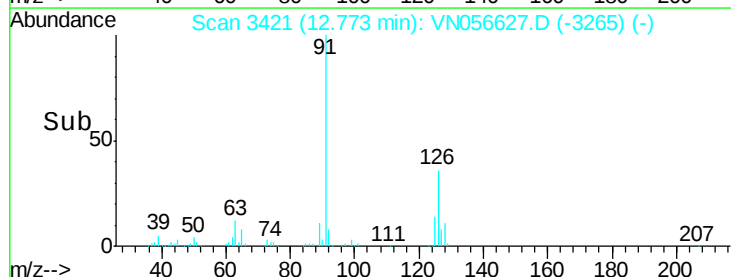
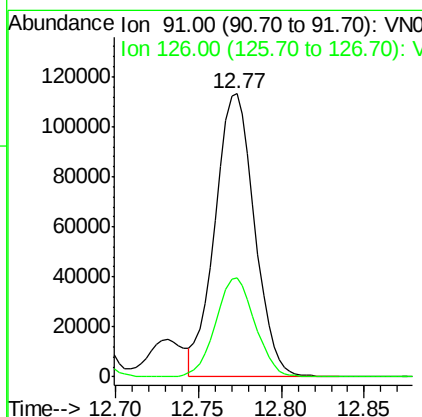
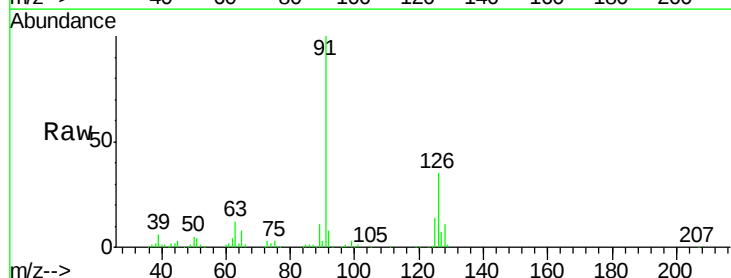
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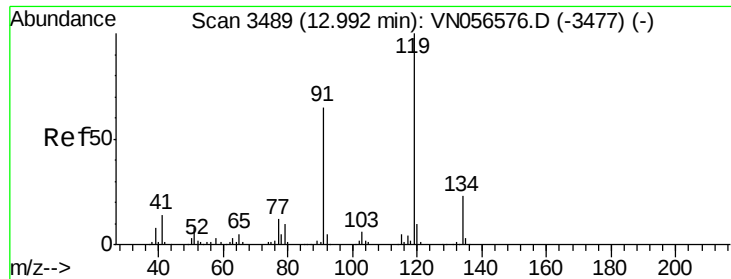
MMDadoda
7/10/2019 9:18:11 AM



#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	Ratio	Lower	Upper
91	100		
126	34.9	0.0	71.8





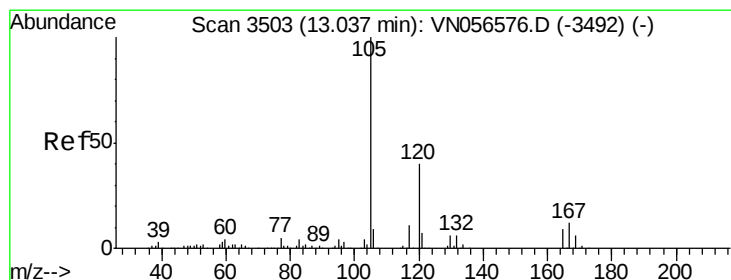
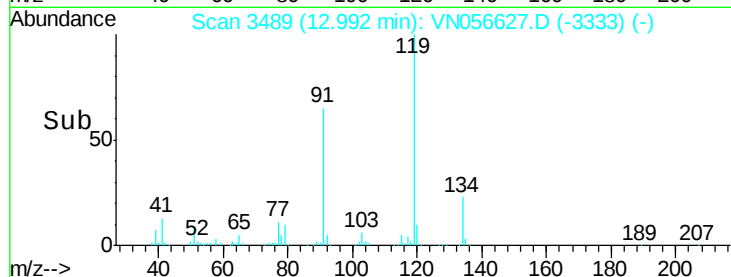
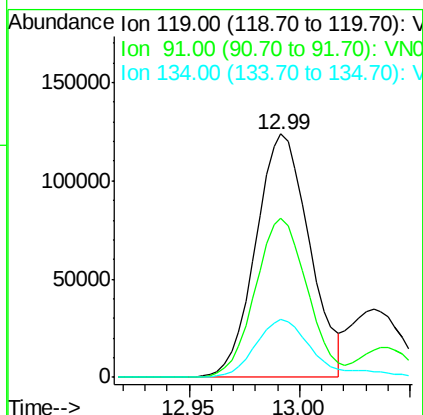
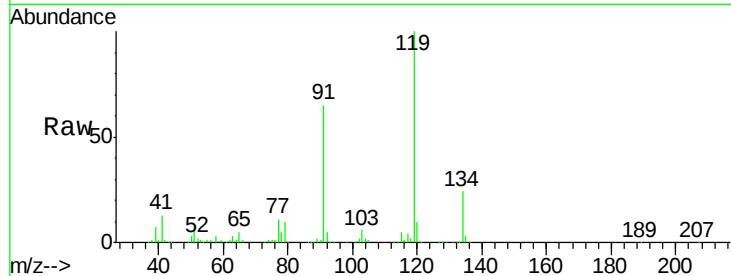
#79
tert-butylbenzene
Concen: 19.417 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

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

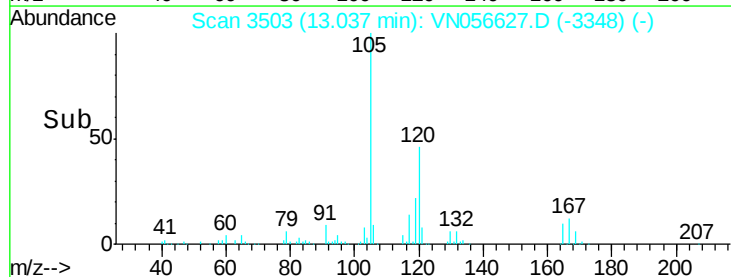
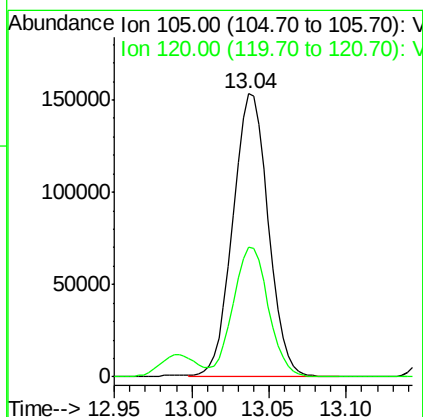
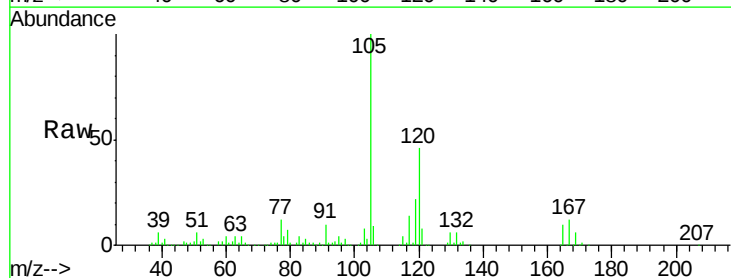
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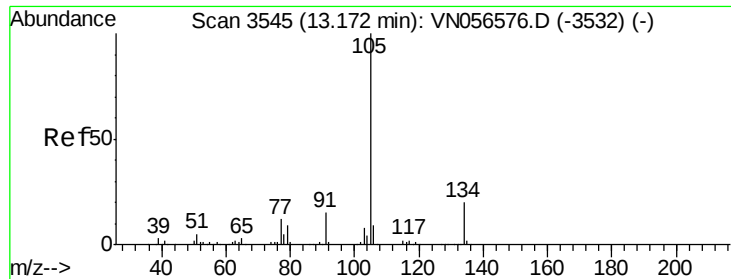
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

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





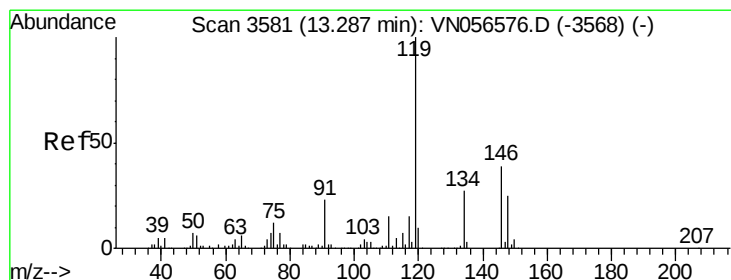
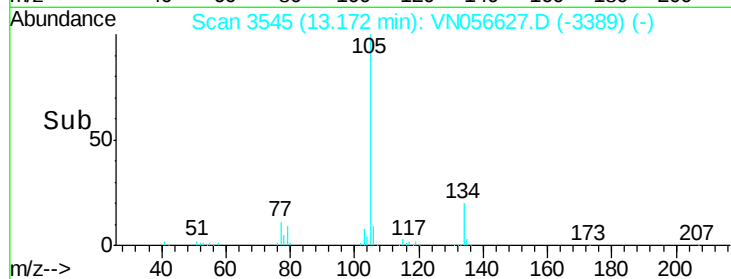
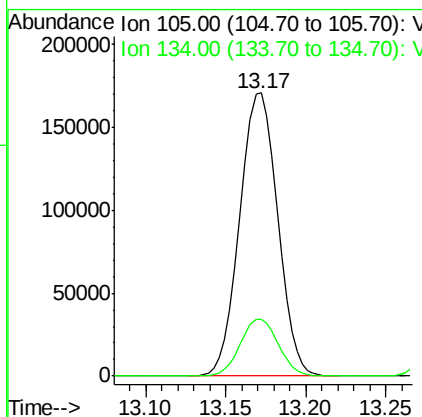
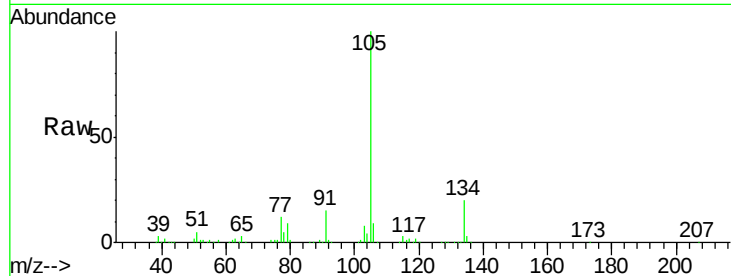
#81
 sec-Butylbenzene
 Concen: 19.367 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	276452		
134	20.1	0.0	41.8	

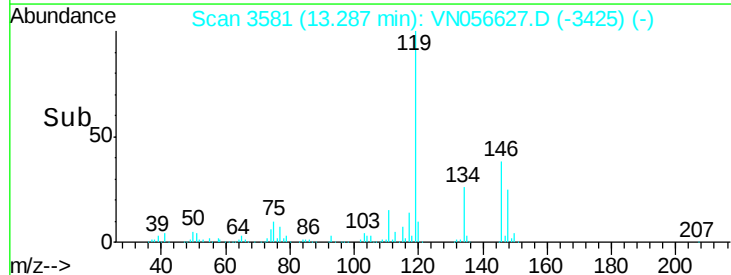
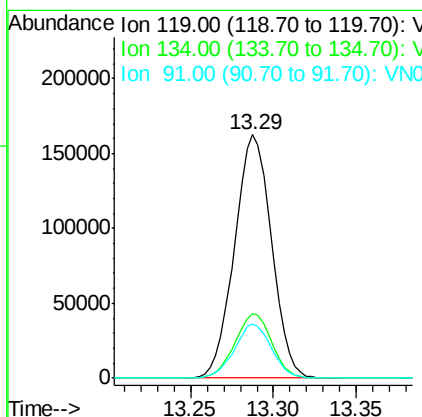
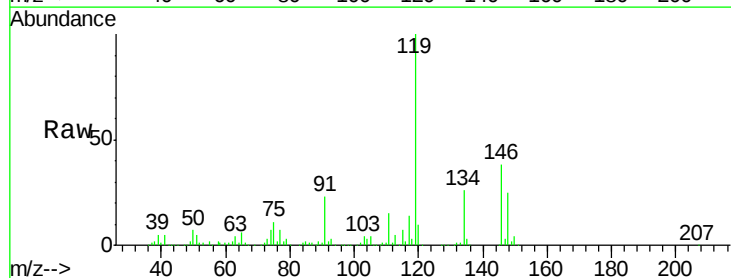
Manual Integrations
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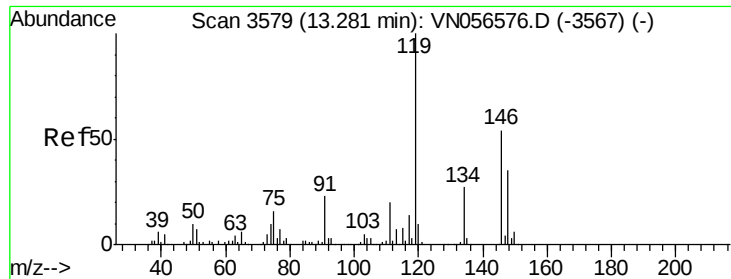
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#82
 p-Isopropyltoluene
 Concen: 19.681 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	252596		
134	26.4	0.0	53.4	
91	22.1	0.0	43.0	





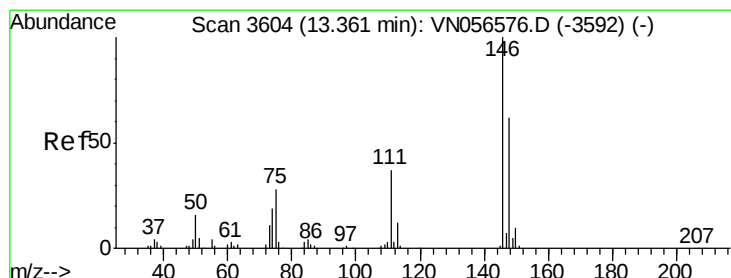
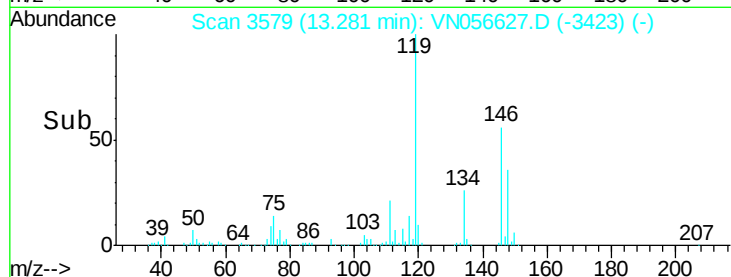
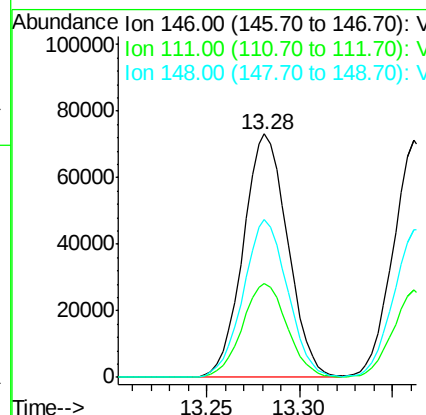
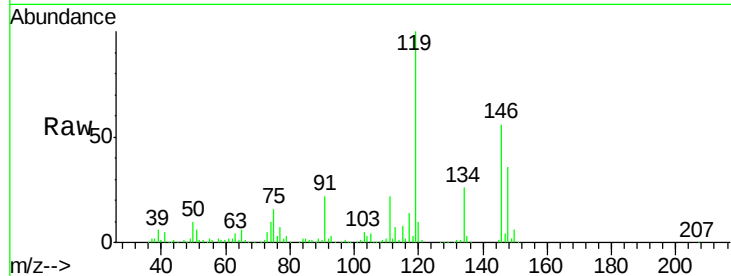
#83
 1,3-Dichlorobenzene
 Concen: 19.100 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

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

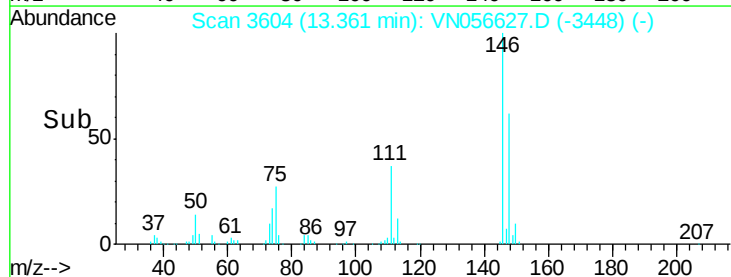
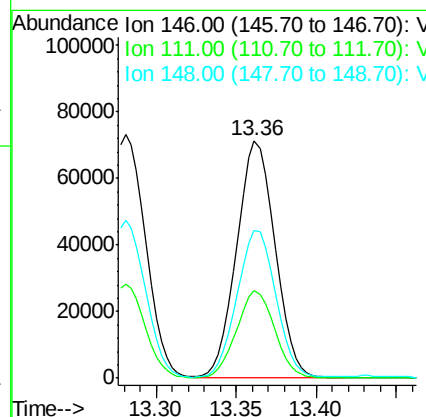
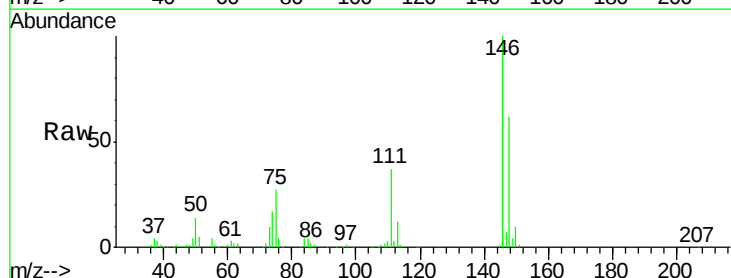
Manual Integrations
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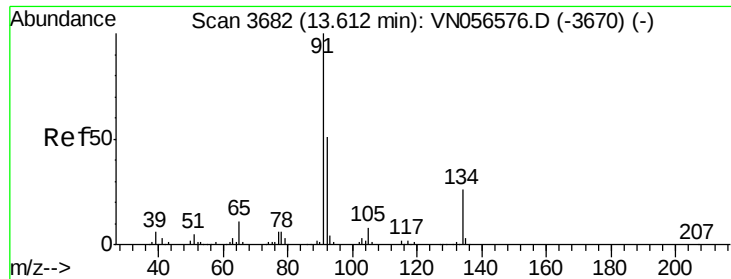
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#84
 1,4-Dichlorobenzene
 Concen: 19.033 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	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

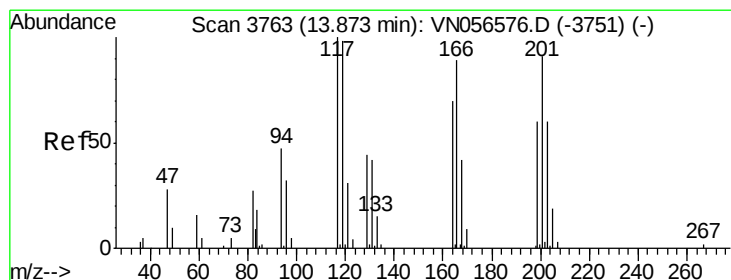
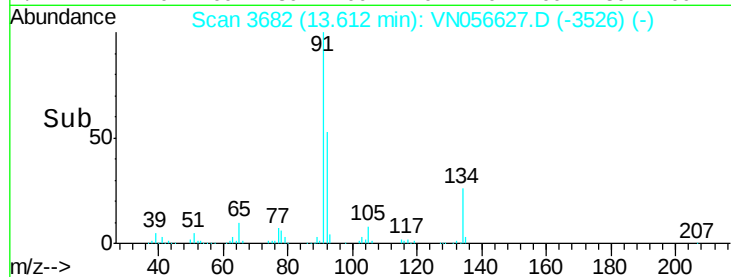
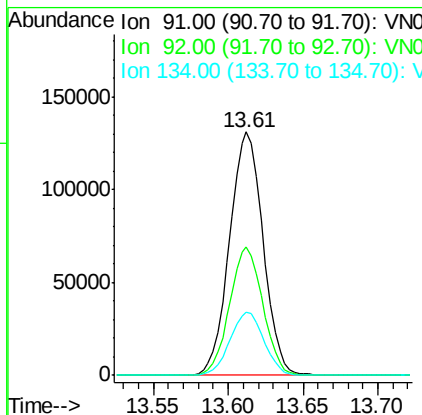
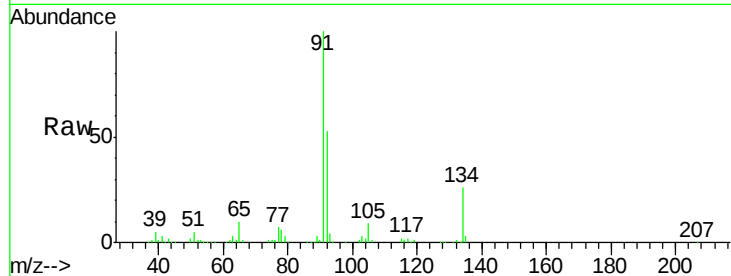
ClientSampled :

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

Manual Integrations
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#86

Hexachloroethane

Concen: 18.867 ug/l

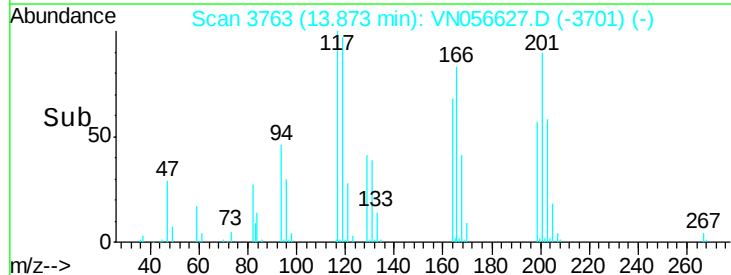
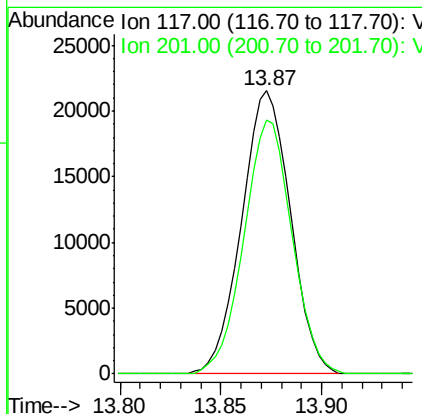
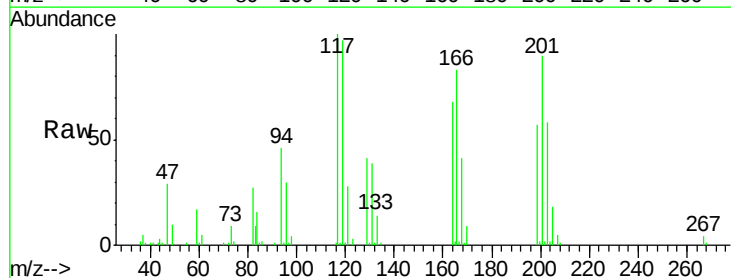
RT: 13.87 min Scan# 3763

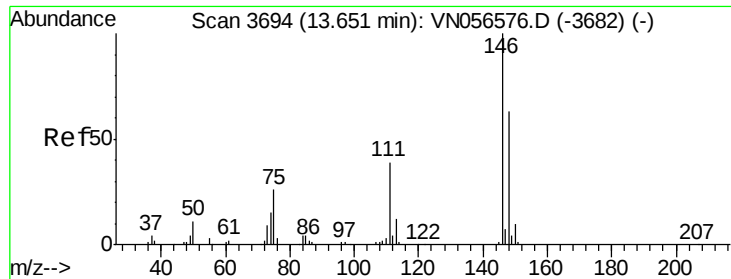
Delta R.T. 0.00 min

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





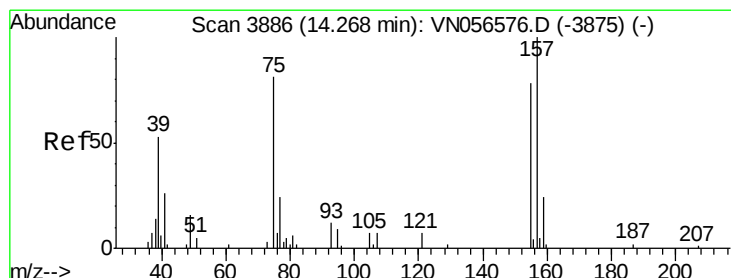
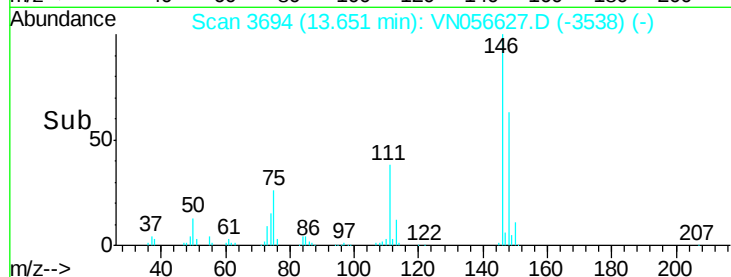
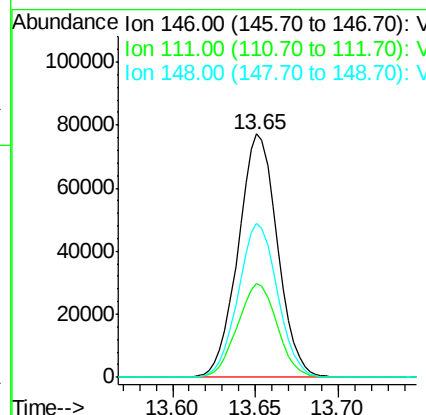
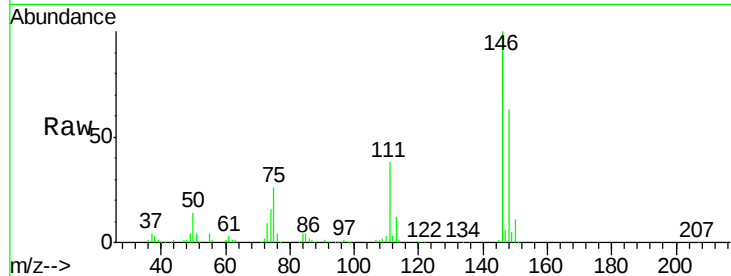
#87
 1,2-Dichlorobenzene
 Concen: 19.603 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	63.5	32.6	97.8

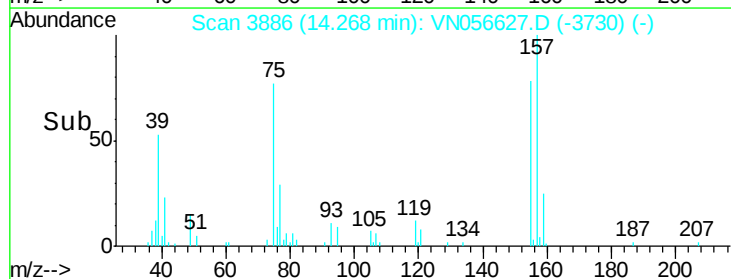
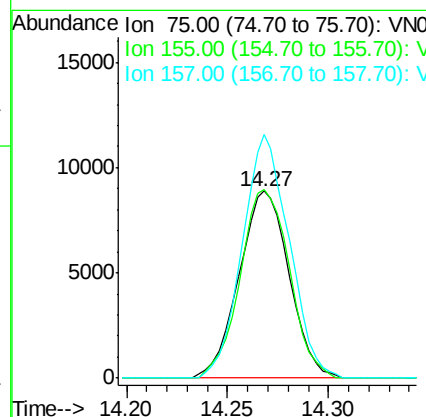
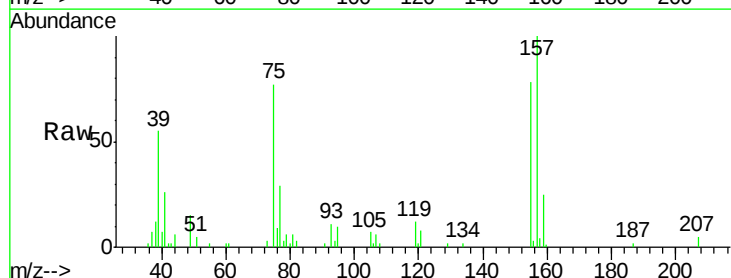
Manual Integrations
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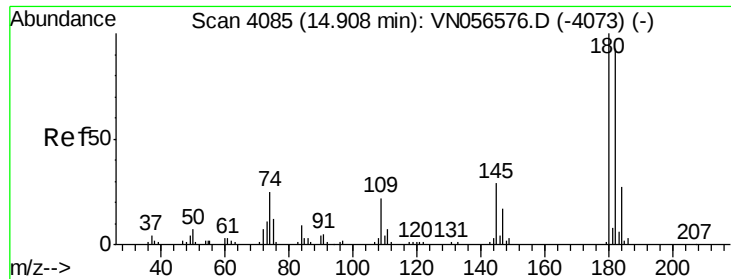
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.472 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	82.5	123.7
157	122.1	105.1	157.7





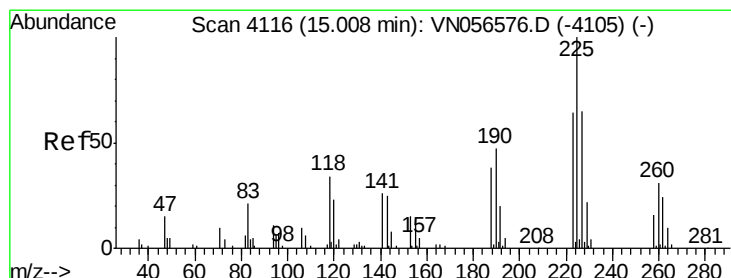
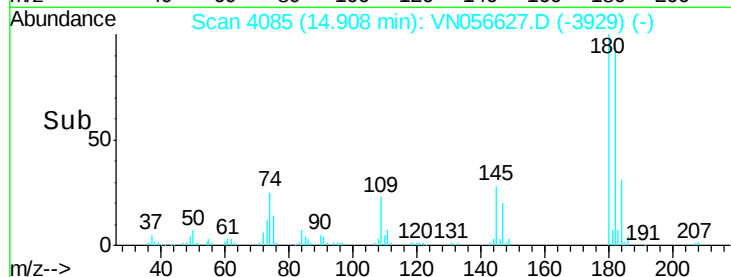
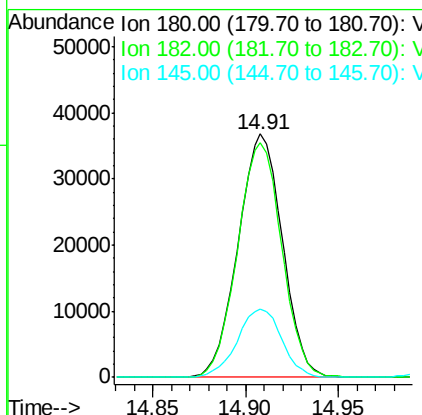
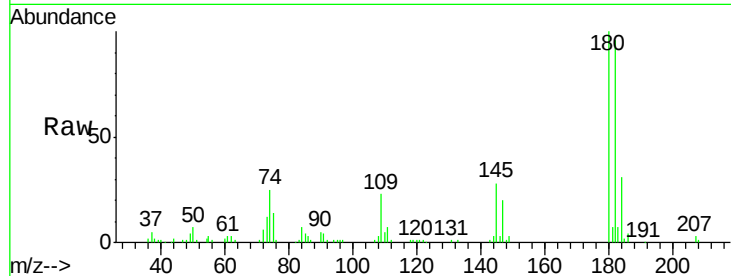
#89
 1,2,4-Trichlorobenzene
 Concen: 17.137 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

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

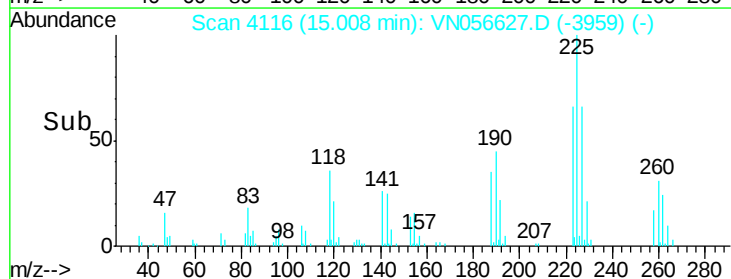
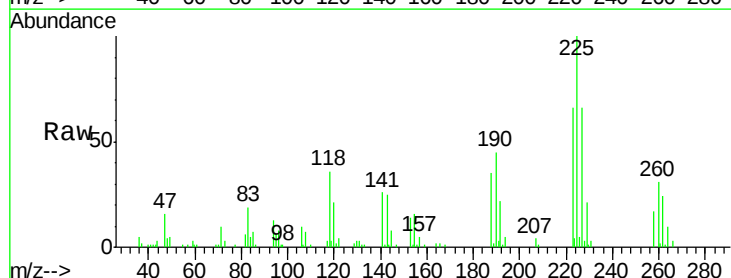
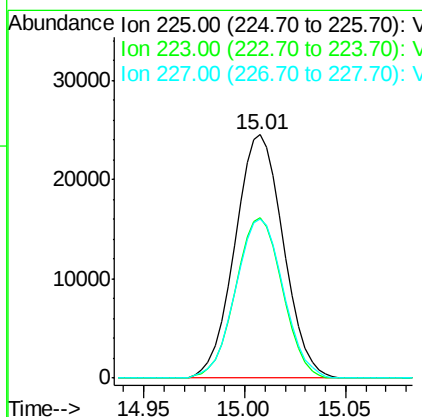
Manual Integrations
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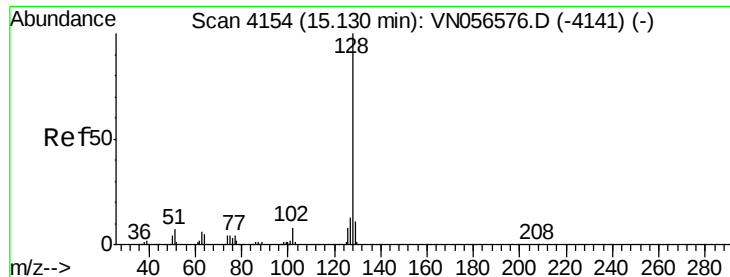
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#90
 Hexachlorobutadiene
 Concen: 18.583 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056627.D
 Acq: 9 Jul 2019 14:06

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





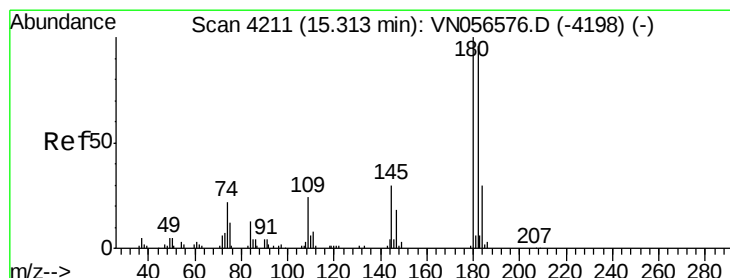
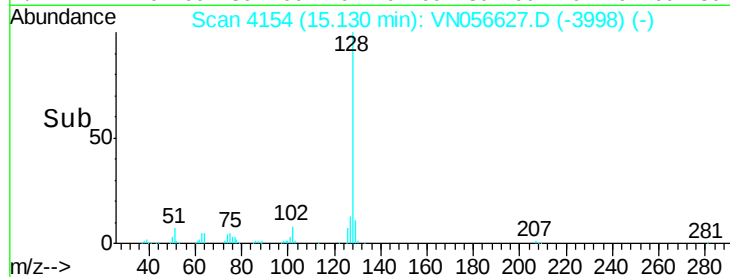
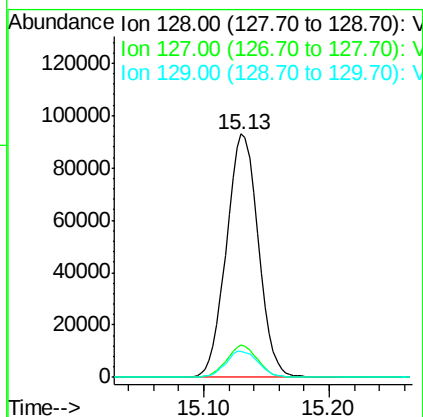
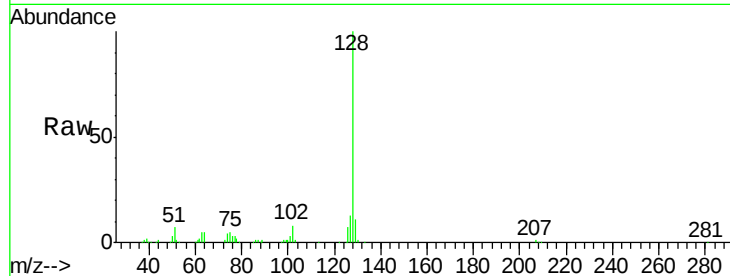
#91
Naphthalene
Concen: 16.370 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056627.D
Acq: 9 Jul 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:11 AM



#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	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.4
145	29.9	0.0	59.8

