

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057697.D
 Acq On : 5 Sep 2019 11:47
 Operator : JC/SP
 Sample : VN0905WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:16 AM

Quant Time: Sep 06 01:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	59800	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	365238	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	306520	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	191024	30.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.17%
60) 4-Bromofluorobenzene	12.40	95	148924	28.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.80%
63) Toluene-d8	10.09	98	457504	31.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	93153	21.622	ug/l 100
3) Chloromethane	2.05	50	92545	20.369	ug/l 94
4) Vinyl Chloride	2.18	62	78338	21.085	ug/l 95
5) Bromomethane	2.54	94	49234m	20.728	ug/l
6) Chloroethane	2.69	64	56546	20.842	ug/l 98
7) Trichlorofluoromethane	3.01	101	149777	21.048	ug/l 96
8) Diethyl Ether	3.40	74	49483	21.141	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76171	20.598	ug/l 98
10) 1,1-Dichloroethene	3.73	96	71104	21.076	ug/l 98
11) Methyl Iodide	3.94	142	90162	19.299	ug/l 99
12) Methyl Acetate	4.31	43	101202	20.092	ug/l 97
13) Acrolein	3.59	56	22760	79.636	ug/l 93
14) Acrylonitrile	4.97	53	182610	99.612	ug/l 99
15) Acetone	3.80	58	51800	100.736	ug/l 98
16) Carbon Disulfide	4.04	76	163366	19.276	ug/l 100
17) Allyl chloride	4.31	41	153284	21.274	ug/l 98
18) Methylene Chloride	4.54	84	87032	20.587	ug/l 94
19) trans-1,2-Dichloroethene	5.03	96	72515	20.320	ug/l 95
20) Diisopropyl ether	5.93	45	324353	20.891	ug/l 98
21) 1,1-Dichloroethane	5.84	63	164280	20.528	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	90717	20.812	ug/l 98
23) tert-Butyl Alcohol	4.75	59	60307m	90.472	ug/l
24) Methyl tert-Butyl Ether	5.02	73	269994	20.141	ug/l # 76
25) Chloroform	7.36	83	171078	20.623	ug/l 97
26) Cyclohexane	7.64	56	138836	20.374	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	114519	19.635	ug/l 97
30) 2-Butanone	6.82	43	277014	100.544	ug/l # 98
31) 2,2-Dichloropropane	6.81	77	147614	20.450	ug/l # 77
32) 1,1,1-Trichloroethane	7.56	97	149117	20.652	ug/l 98
33) Carbon Tetrachloride	7.76	117	117502	20.039	ug/l 96
34) Benzene	8.03	78	336177	20.066	ug/l 96
35) Methacrylonitrile	7.16	41	58246	23.078	ug/l 97
36) 1,2-Dichloroethane	8.11	62	149475	20.021	ug/l # 100
37) Trichloroethene	8.83	130	77186	19.403	ug/l 96
38) Methylcyclohexane	9.07	83	134484	20.780	ug/l 97
39) 1,2-Dichloropropane	9.11	63	92778	20.252	ug/l 96
40) Dibromomethane	9.20	93	60695	20.438	ug/l 99

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Manual Integrations
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Quant Time: Sep 06 01:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	125217	19.508	ug/l #	89
42) Vinyl Acetate	5.88	43	1294869	106.929	ug/l	100
43) Ethyl Acetate	6.91	43	109889	19.369	ug/l #	78
44) Isopropyl Acetate	8.15	43	210595	19.855	ug/l	99
45) 1,4-Dioxane	9.19	88	22469	329.998	ug/l #	91
46) Methyl methacrylate	9.19	41	101558	19.733	ug/l	96
47) n-amyl Acetate	12.07	43	150502	18.296	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	130478	19.379	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	139617	19.436	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	82239	20.533	ug/l	97
51) Ethyl methacrylate	10.43	69	124546	19.075	ug/l	98
52) 1,3-Dichloropropane	10.71	76	146357	20.530	ug/l	98
53) Dibromochloromethane	10.90	129	80936	19.362	ug/l	100
54) 1,2-Dibromoethane	11.00	107	80962	20.221	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	172680	83.705	ug/l	99
56) Bromoform	12.13	173	45795	17.666	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	596947	110.199	ug/l	99
59) 2-Hexanone	10.75	43	391241	102.064	ug/l	99
61) Tetrachloroethene	10.63	164	74575	21.188	ug/l	98
62) Toluene	10.15	91	365852	21.258	ug/l	99
64) Chlorobenzene	11.43	112	209032	20.685	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	76818	20.750	ug/l	98
66) Ethyl Benzene	11.51	91	409853	21.305	ug/l	100
67) m/p-Xylenes	11.62	106	276796	41.026	ug/l	97
68) o-Xylene	11.95	106	135712	20.201	ug/l	97
69) Styrene	11.96	104	207629	19.282	ug/l	99
70) Isopropylbenzene	12.25	105	387052	21.005	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	99214	20.464	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	91374m	20.040	ug/l	
73) Bromobenzene	12.53	156	73789	18.897	ug/l	99
74) n-propylbenzene	12.59	91	409089	20.055	ug/l	99
75) 2-Chlorotoluene	12.67	91	254229	19.908	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	317604	20.762	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23964	17.217	ug/l	95
78) 4-Chlorotoluene	12.78	91	223554	18.425	ug/l	98
79) tert-butylbenzene	12.99	119	262744	19.999	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	301556	20.980	ug/l	99
81) sec-Butylbenzene	13.17	105	333912	19.722	ug/l	99
82) p-Isopropyltoluene	13.29	119	282179	19.623	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	103644	17.723	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	97353	17.634	ug/l	98
85) n-Butylbenzene	13.62	91	247174	19.555	ug/l	98
86) Hexachloroethane	13.88	117	51750	19.887	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	97422	18.056	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11576	16.287	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	20329	10.874	ug/l	96
90) Hexachlorobutadiene	15.01	225	38479	18.557	ug/l	96
91) Naphthalene	15.13	128	51141	10.533	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	18962	10.439	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Wed Sep 04 02:08:50 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

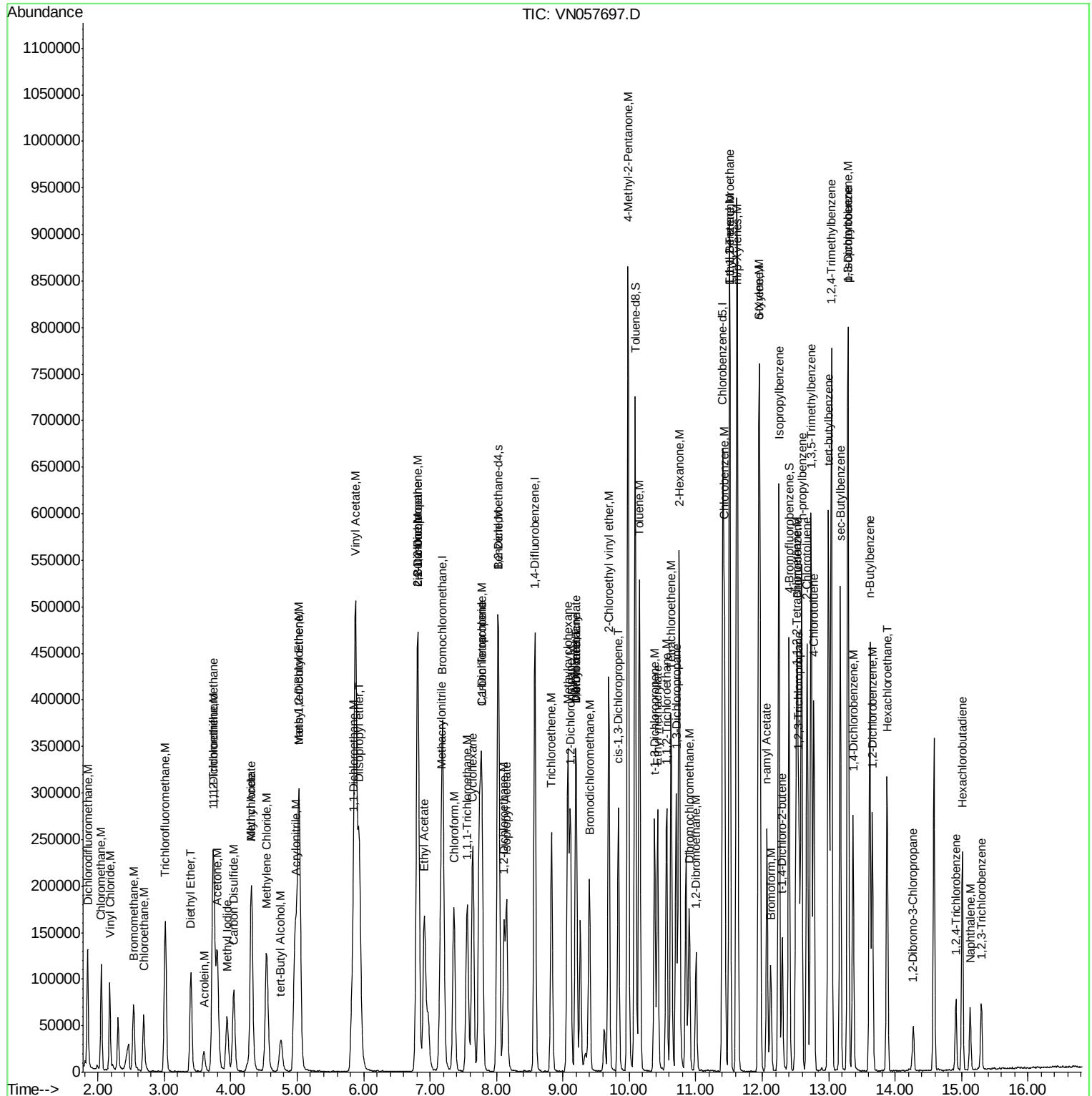
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
Data File : VN057697.D
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Operator : JC/SP
Sample : VN0905WBS01
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ALS Vial : 5 Sample Multiplier: 1

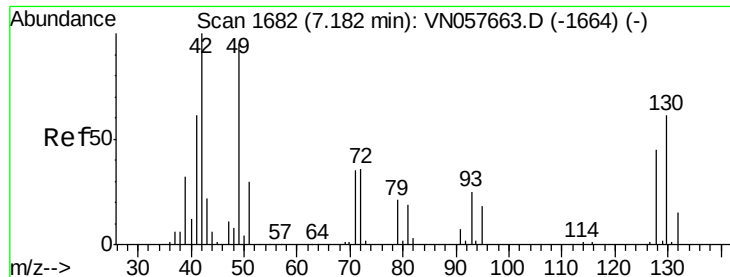
Instrument :
MSVOA_N
Client Sample Id :
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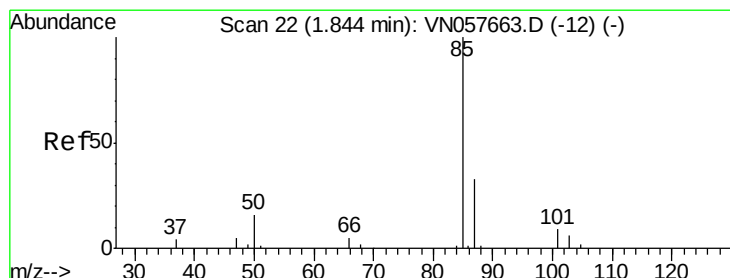
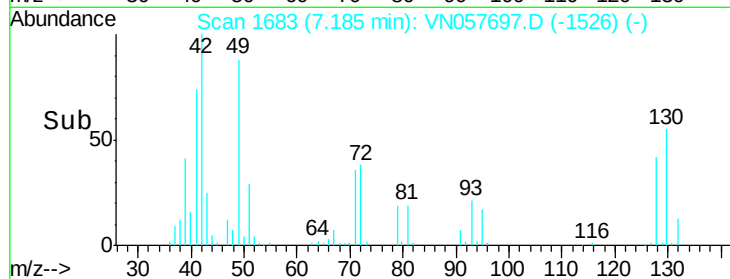
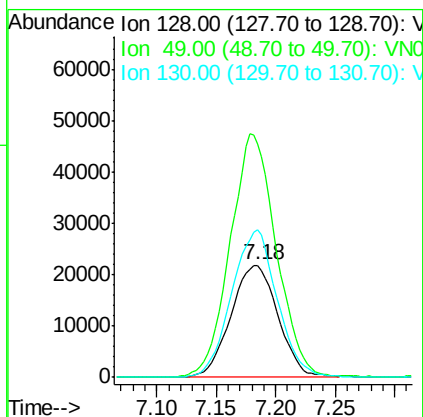
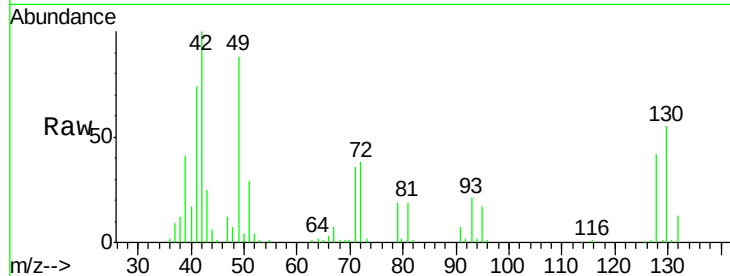
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
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 VN0905WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	212.4	0.0	544.5
130	127.7	0.0	324.7

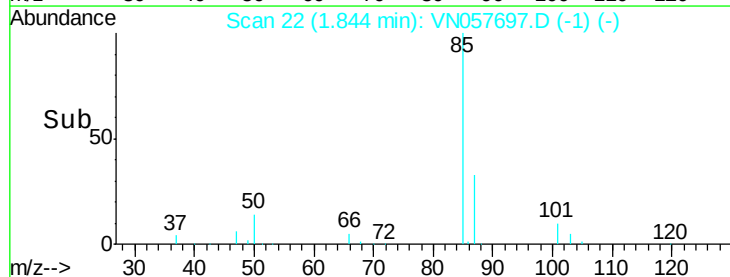
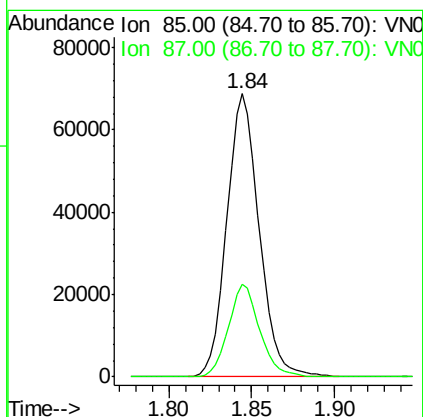
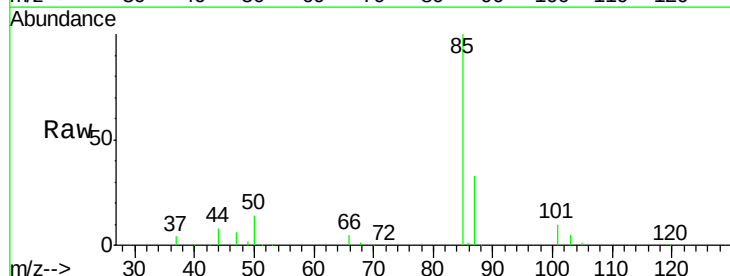
Manual Integrations
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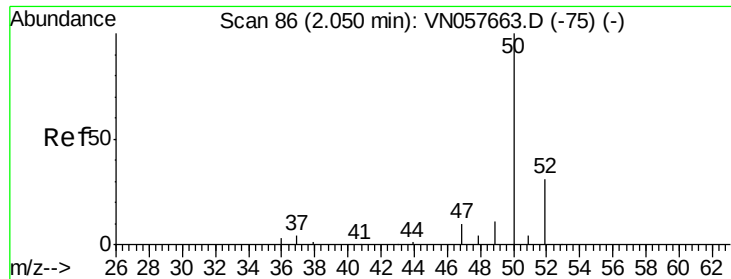
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#2
 Dichlorodifluoromethane
 Concen: 21.622 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7





#3

Chloromethane

Concen: 20.369 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBS01

Tot Ion: 50 Resp: 92545

Ion Ratio Lower Upper

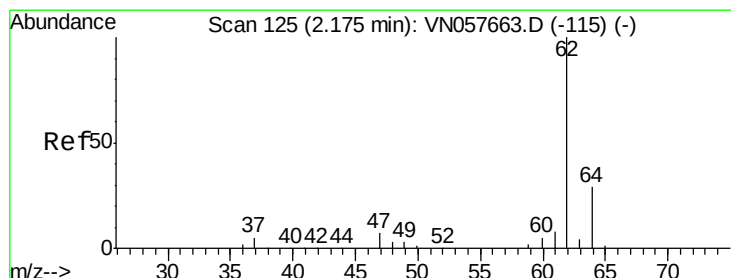
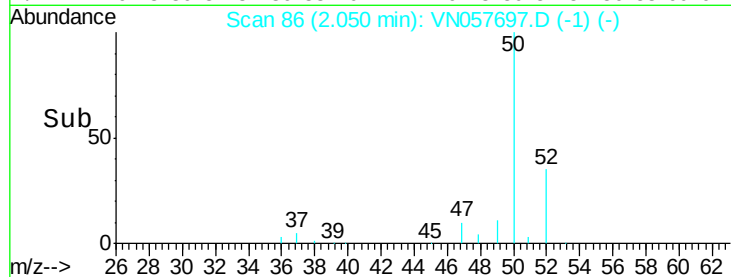
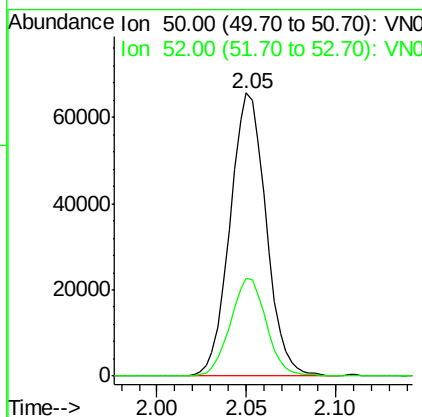
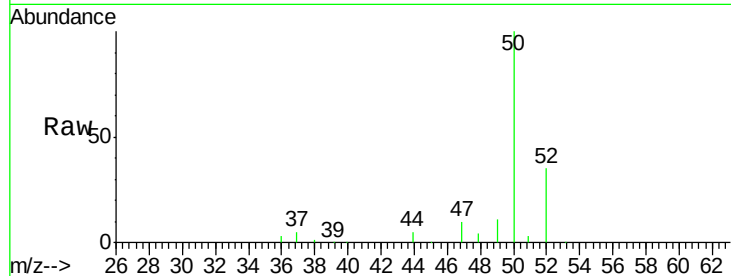
50 100

52 34.6 25.2 37.8

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 21.085 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057697.D

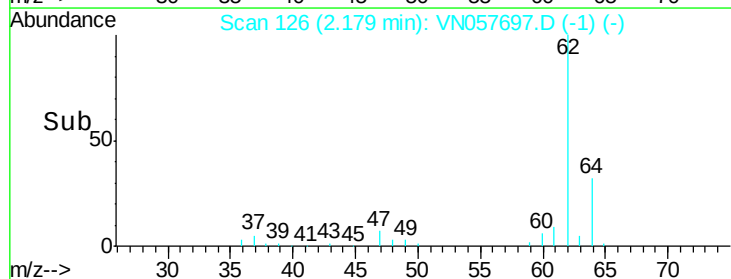
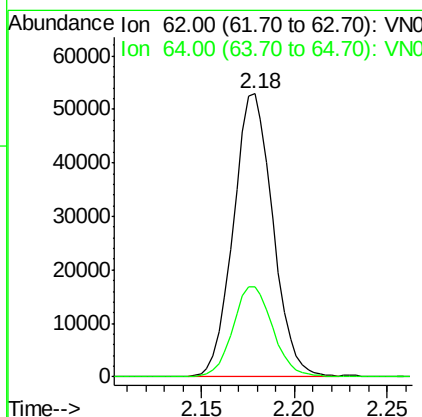
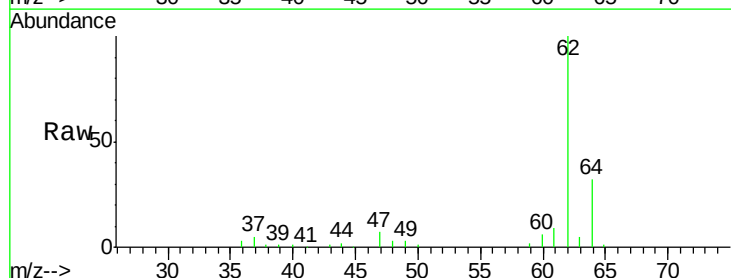
Acq: 5 Sep 2019 11:47

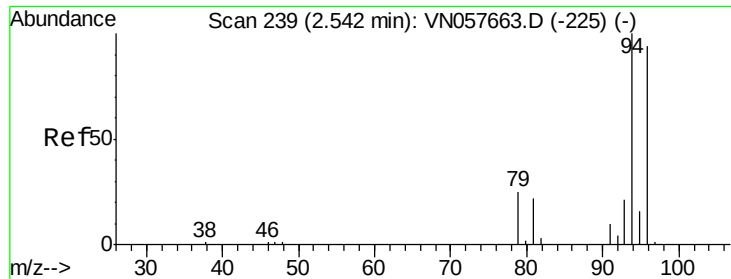
Tgt Ion: 62 Resp: 78338

Ion Ratio Lower Upper

62 100

64 31.9 23.2 34.8





#5

Bromomethane

Concen: 20.728 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Tot Ion: 94 Resp: 49234

Ion Ratio Lower Upper

94 100

96 91.7 75.6 113.4

Instrument :

MSVOA_N

ClientSampleId :

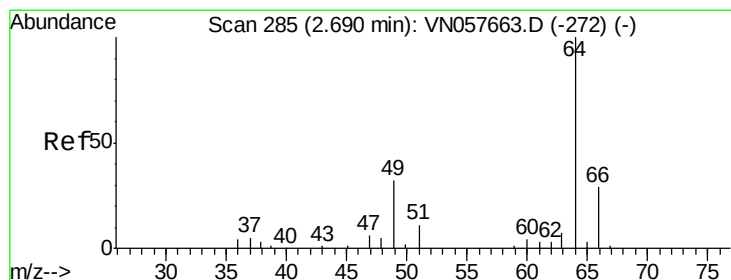
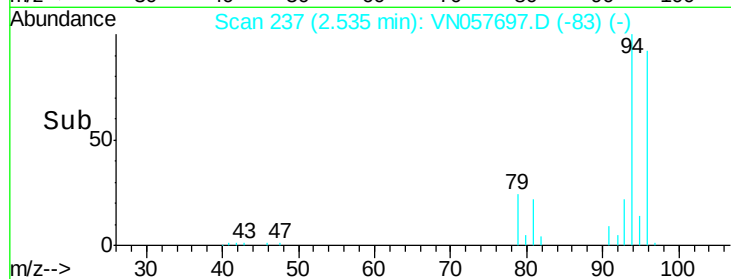
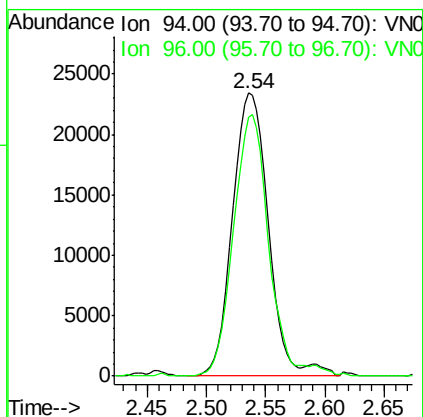
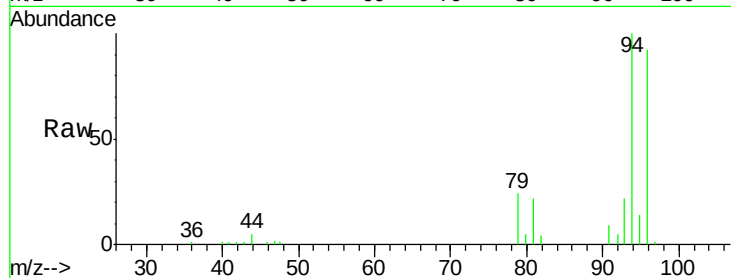
VN0905WBS01

Manual Integrations

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#6

Chloroethane

Concen: 20.842 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057697.D

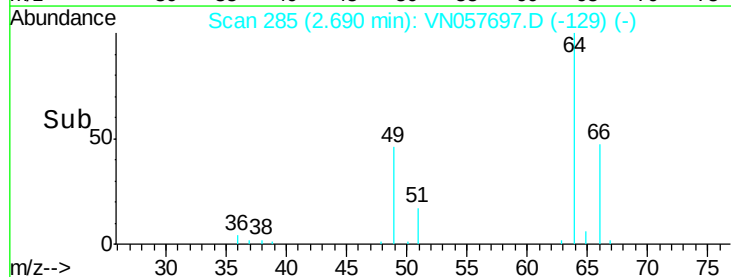
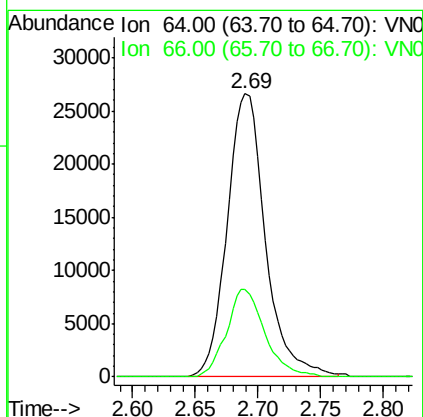
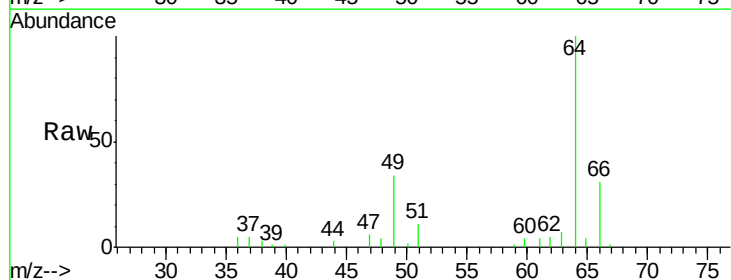
Acq: 5 Sep 2019 11:47

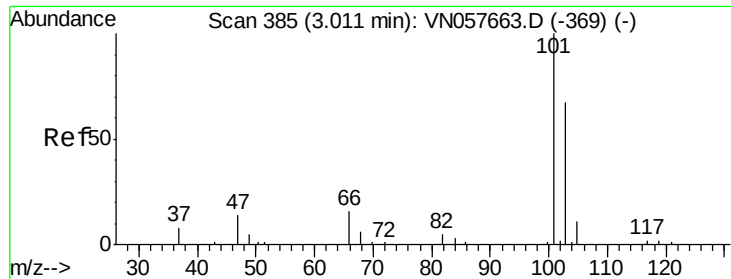
Tgt Ion: 64 Resp: 56546

Ion Ratio Lower Upper

64 100

66 30.7 23.5 35.3





#7

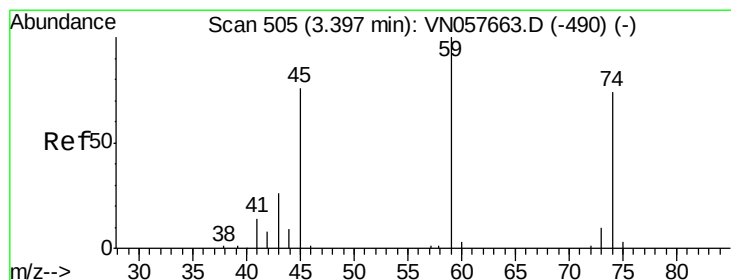
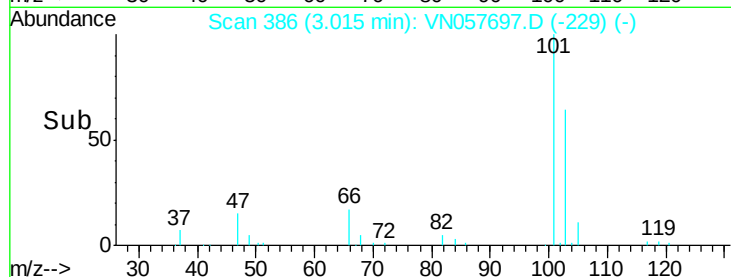
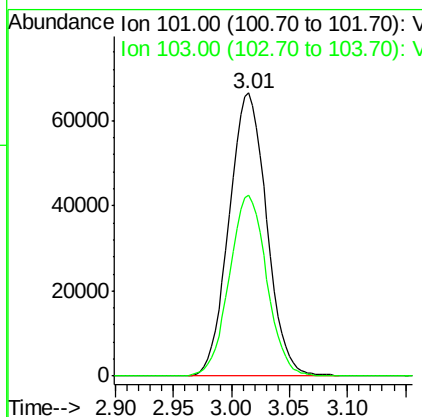
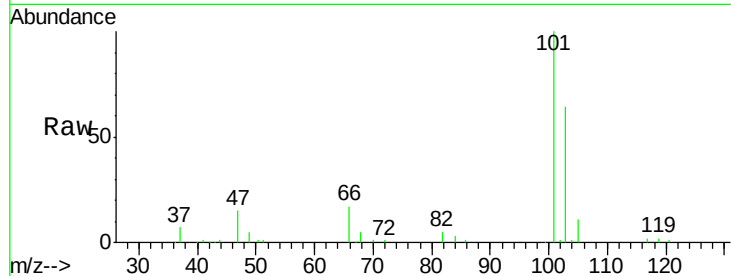
Trichlorofluoromethane
Concen: 21.048 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion:101 Resp: 149777
Ion Ratio Lower Upper
101 100
103 63.9 53.6 80.4

Manual Integrations
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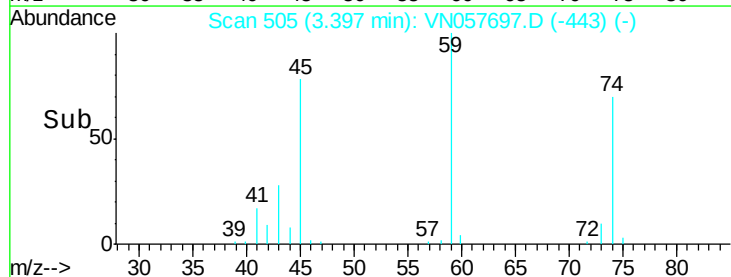
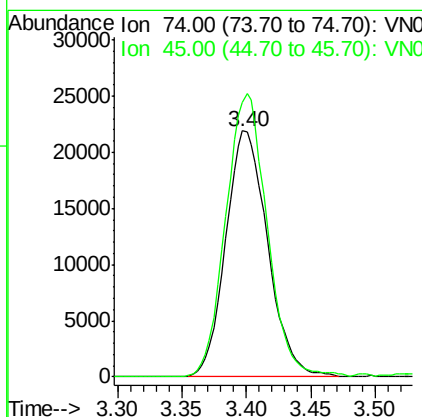
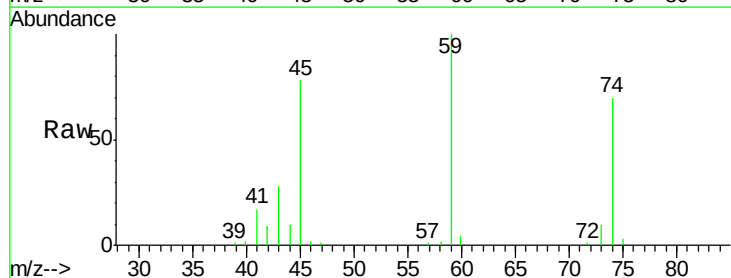
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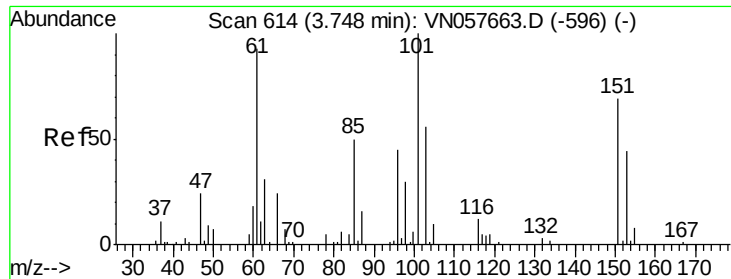


#8

Diethyl Ether
Concen: 21.141 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion: 74 Resp: 49483
Ion Ratio Lower Upper
74 100
45 113.8 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.598 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

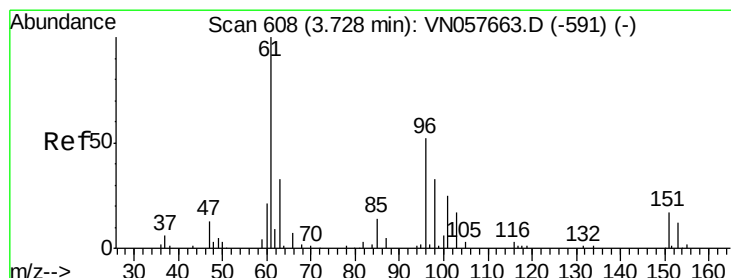
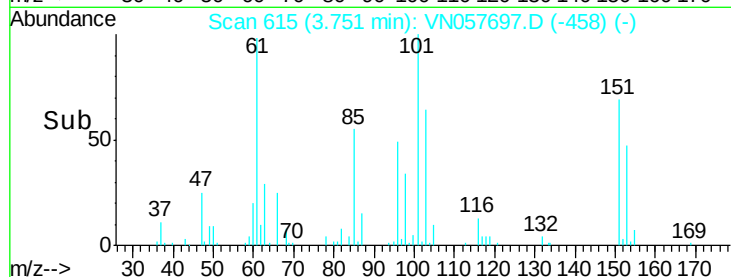
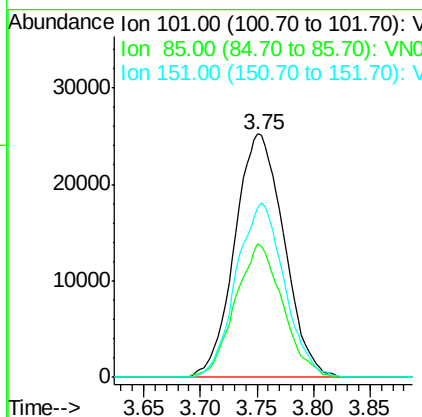
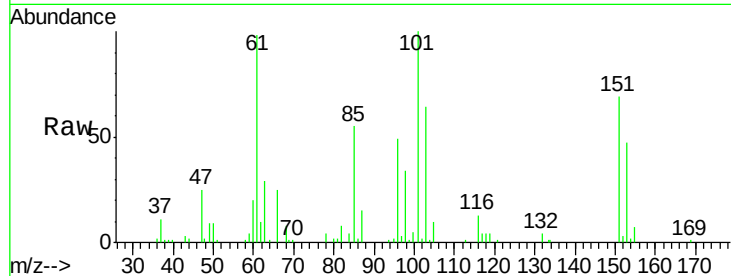
ClientSampleId :

VN0905WBS01

Tot Ion:	101	Resp:	76171
Ion Ratio	Lower	Upper	
101	100		
85	52.8	0.0	100.2
151	69.9	0.0	140.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 21.076 ug/l

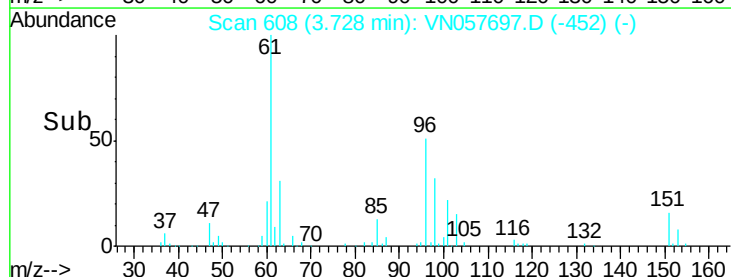
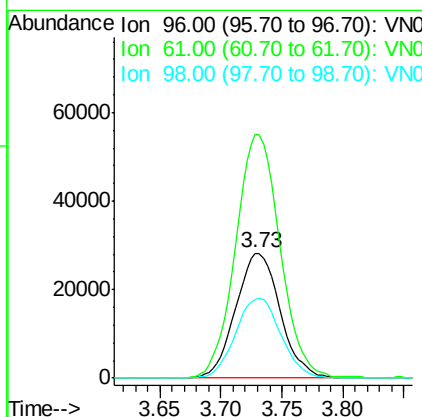
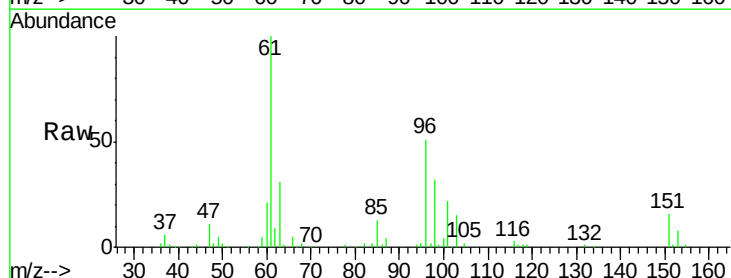
RT: 3.73 min Scan# 608

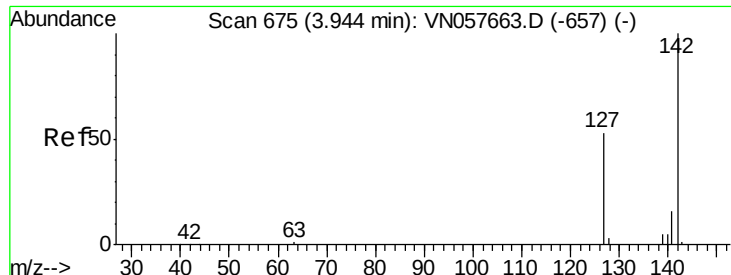
Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Tgt Ion:	96	Resp:	71104
Ion Ratio	Lower	Upper	
96	100		
61	194.6	152.9	229.3
98	63.1	51.0	76.4





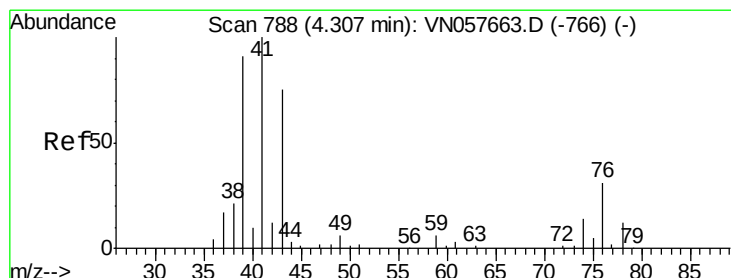
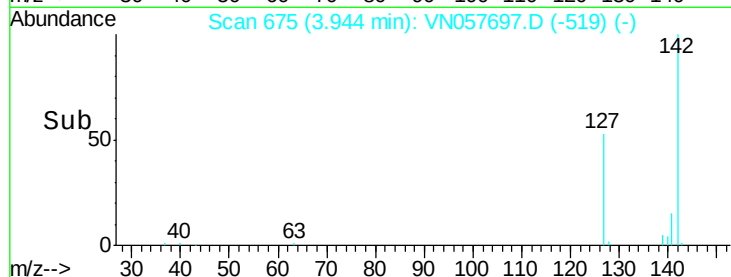
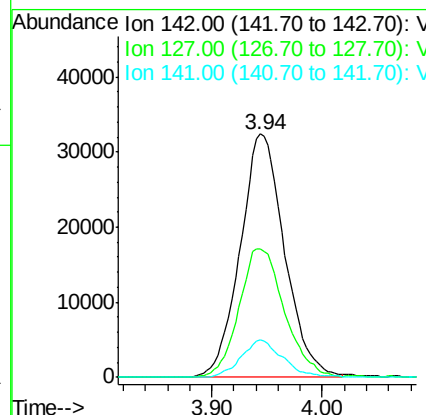
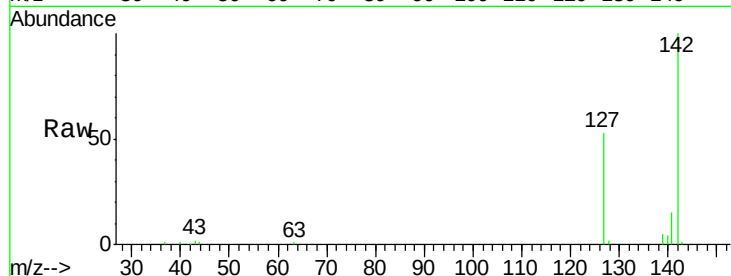
#11
Methvl Iodide
Concen: 19.299 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.8	26.2	78.5
141	15.5	7.6	22.9

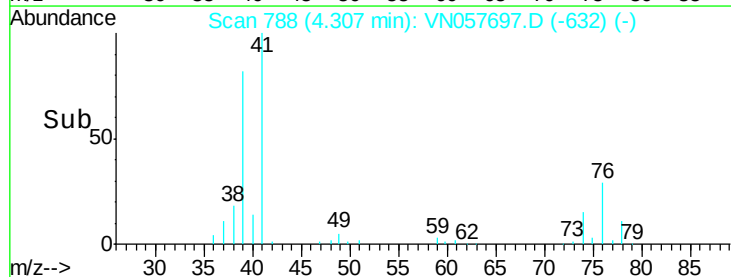
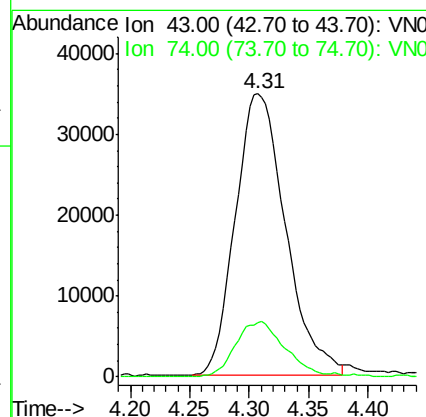
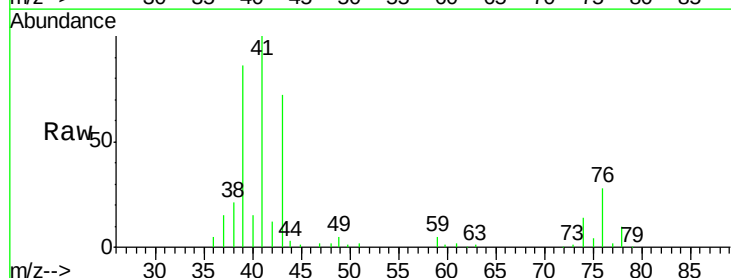
Manual Integrations
APPROVED

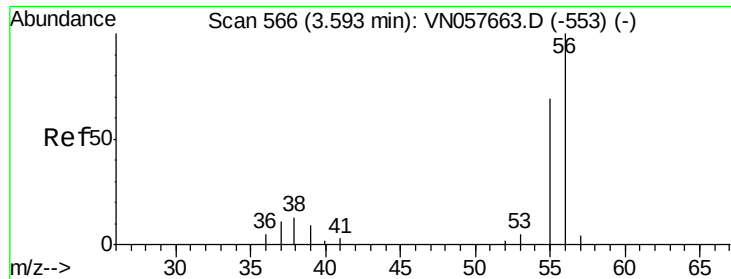
MMDadoda
9/6/2019 8:26:16 AM



#12
Methyl Acetate
Concen: 20.092 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	14.6	22.0





#13

Acrolein

Concen: 79.636 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBS01

Tot Ion: 56 Resp: 22760

Ion Ratio Lower Upper

56 100

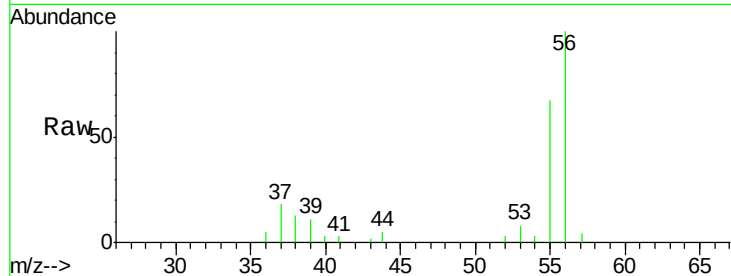
55 73.0 54.2 81.4

Manual Integrations

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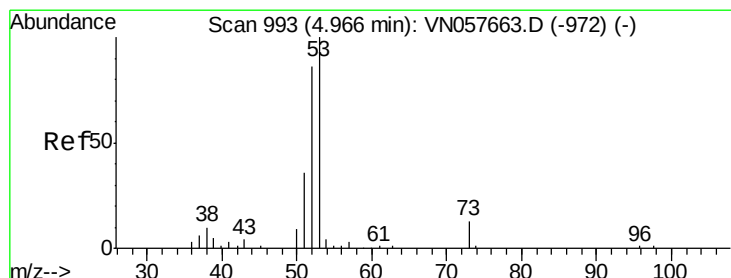
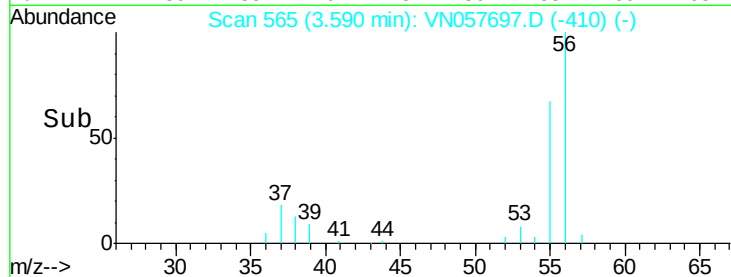
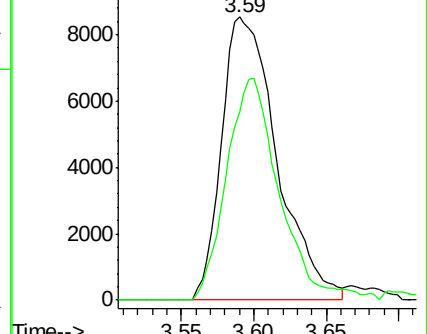
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.612 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

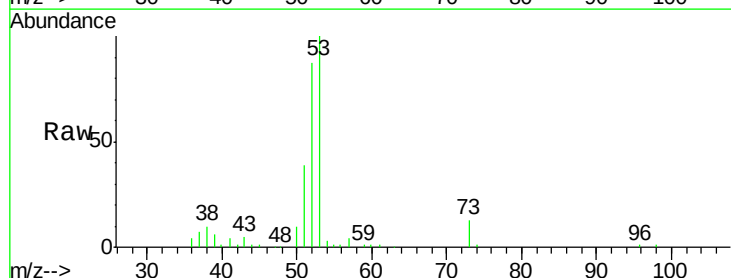
Tgt Ion: 53 Resp: 182610

Ion Ratio Lower Upper

53 100

52 84.9 41.9 125.7

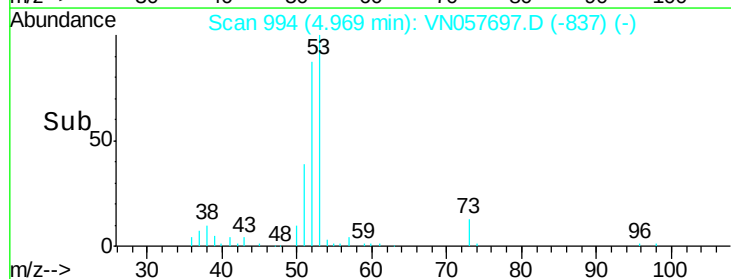
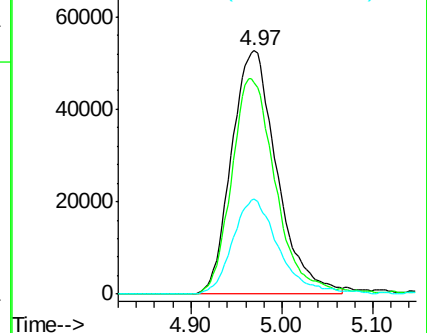
51 38.7 19.4 58.2

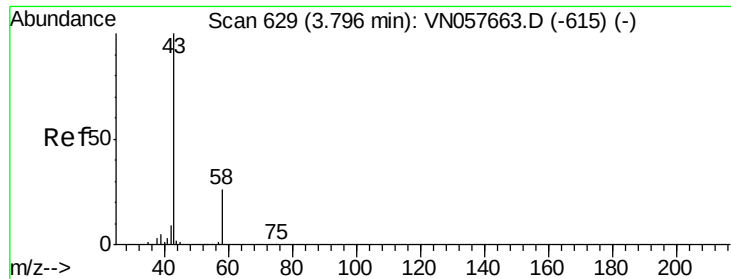


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.736 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBS01

Tot Ion: 58 Resp: 51800

Ion Ratio Lower Upper

58 100

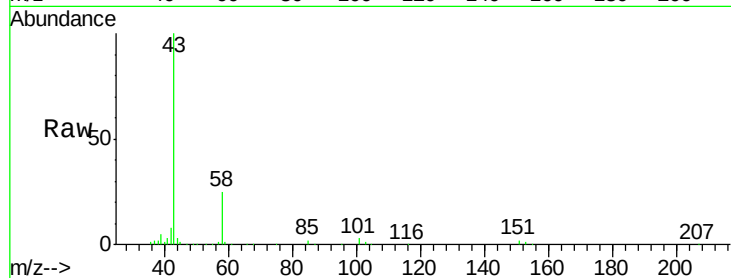
43 390.9 308.8 463.2

Manual Integrations

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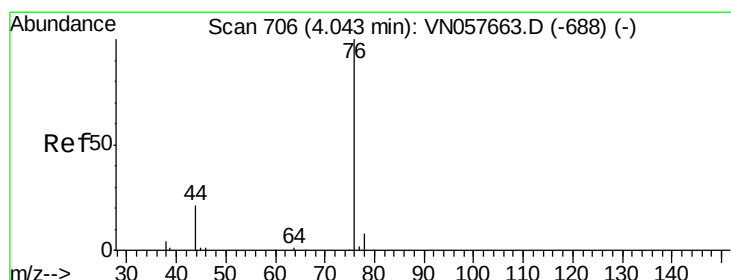
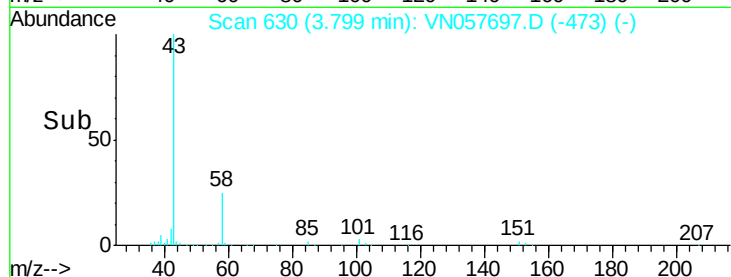
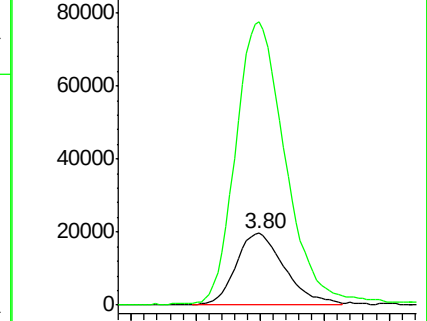
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.276 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN057697.D

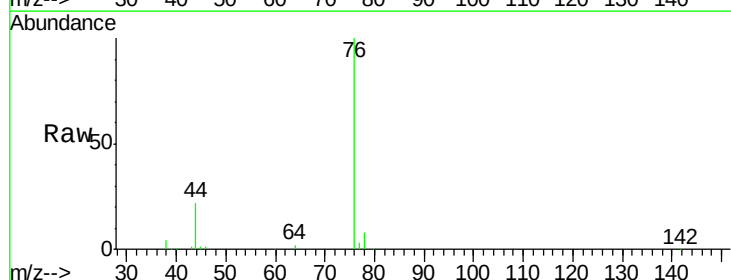
Acq: 5 Sep 2019 11:47

Tgt Ion: 76 Resp: 163366

Ion Ratio Lower Upper

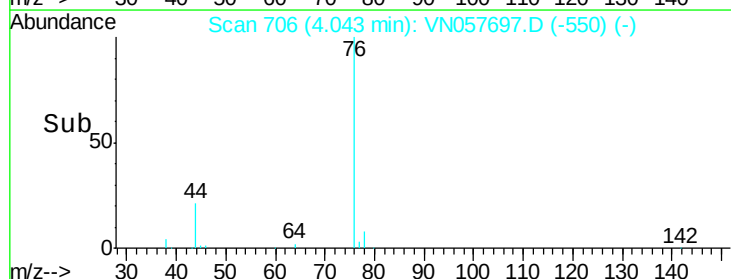
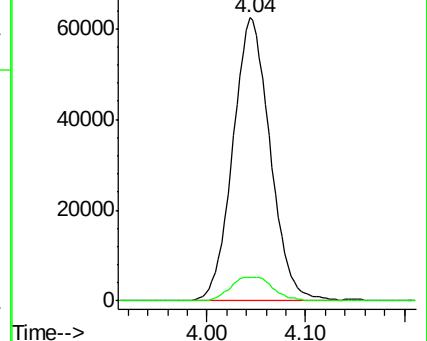
76 100

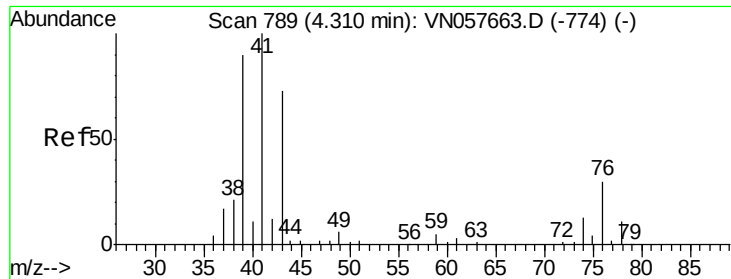
78 8.3 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





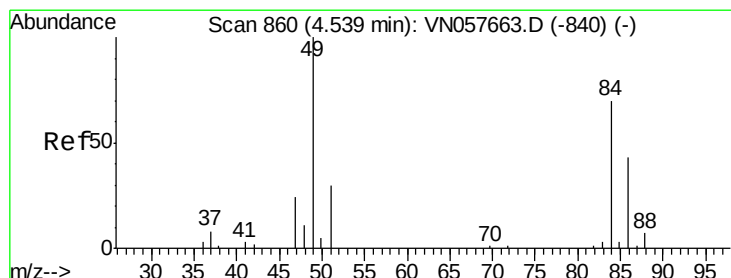
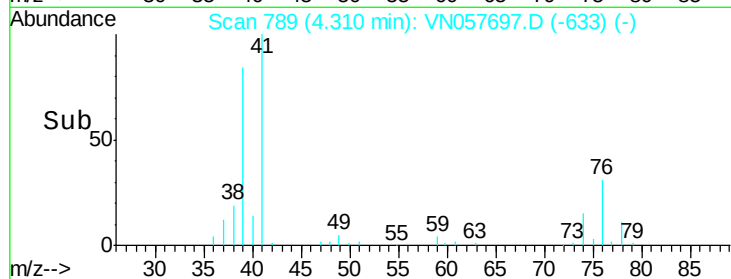
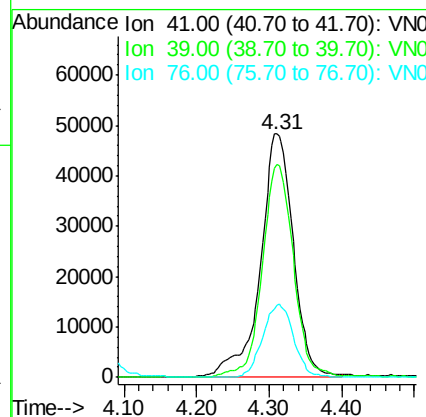
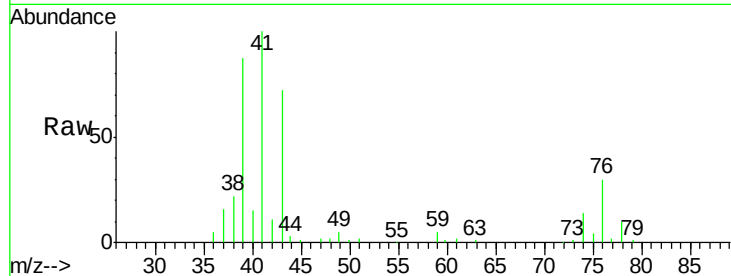
#17
Allvl chloride
Concen: 21.274 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.3	43.0	128.8
76	29.8	14.2	42.8

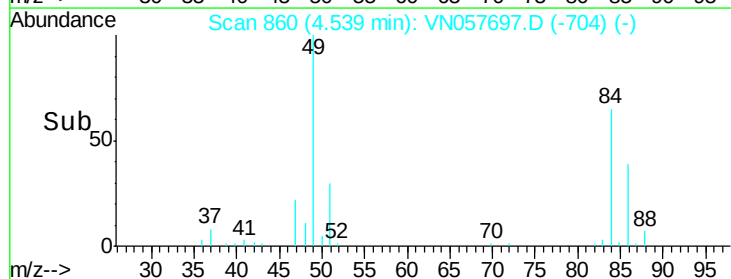
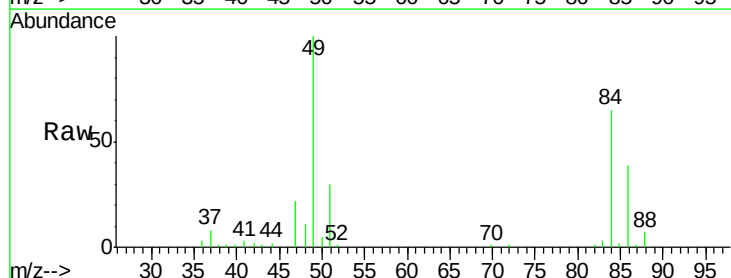
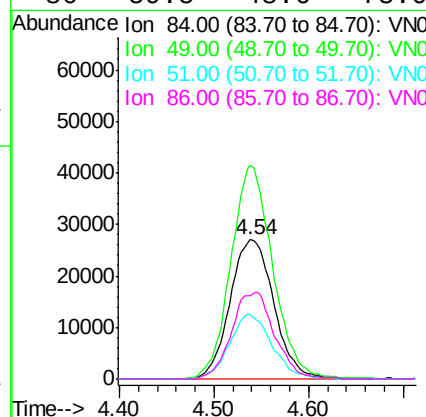
Manual Integrations
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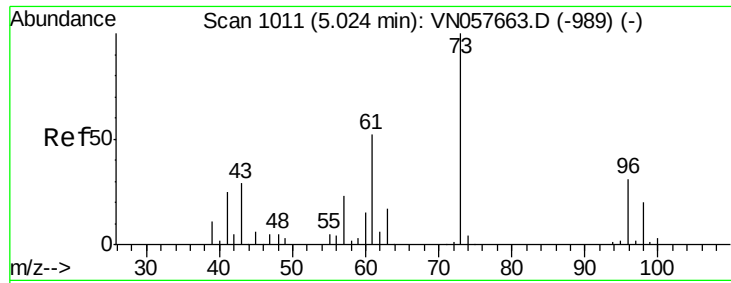
MMDadoda
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#18
Methylene Chloride
Concen: 20.587 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.4	113.7	170.5
51	45.7	34.5	51.7
86	59.5	48.6	73.0





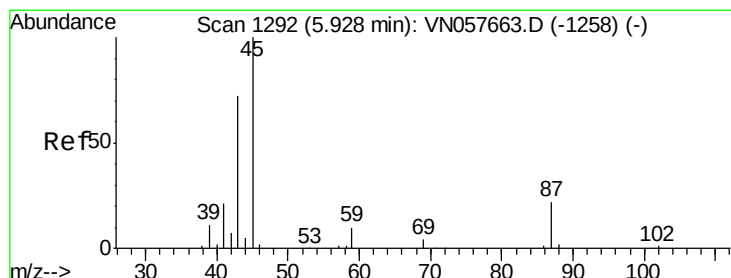
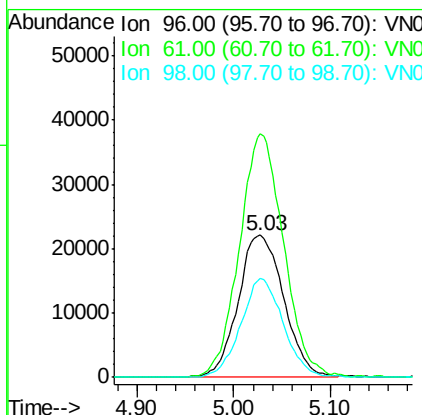
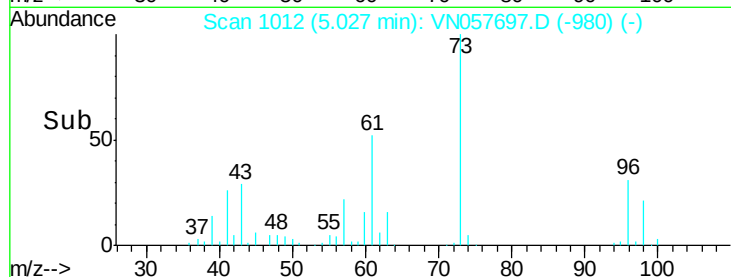
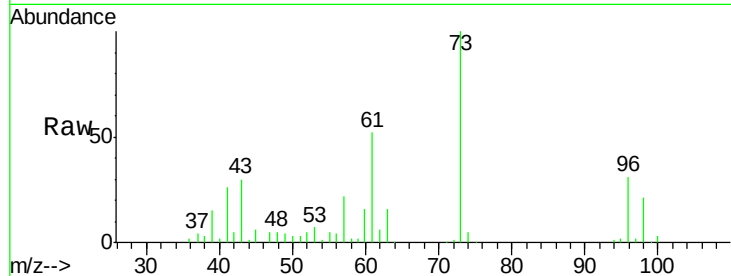
#19
trans-1,2-Dichloroethene
Concen: 20.320 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.0	133.4	200.0
98	69.4	50.4	75.6

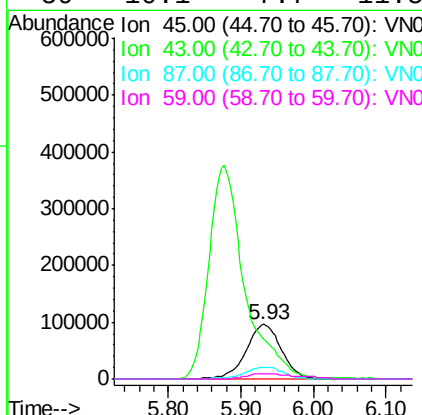
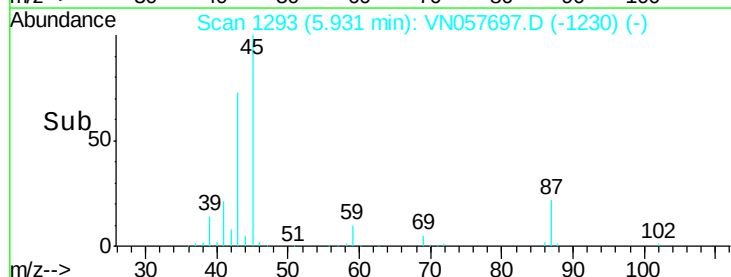
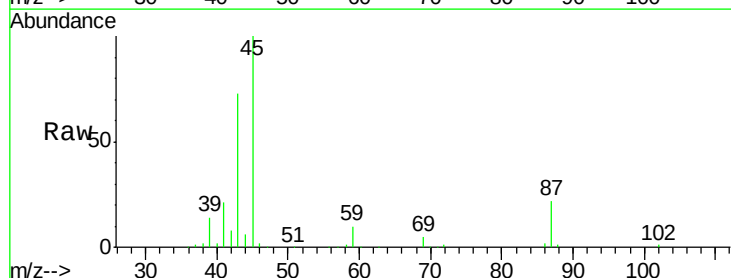
Manual Integrations
APPROVED

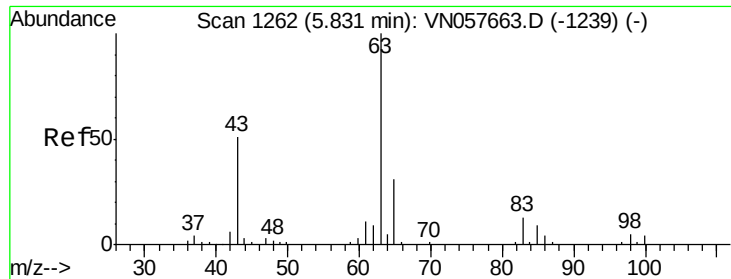
MMDadoda
9/6/2019 8:26:16 AM



#20
Diisopropyl ether
Concen: 20.891 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.2	58.3	87.5
87	21.7	18.5	27.7
59	10.1	7.7	11.5





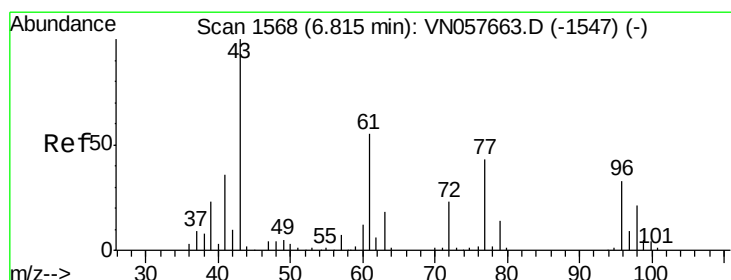
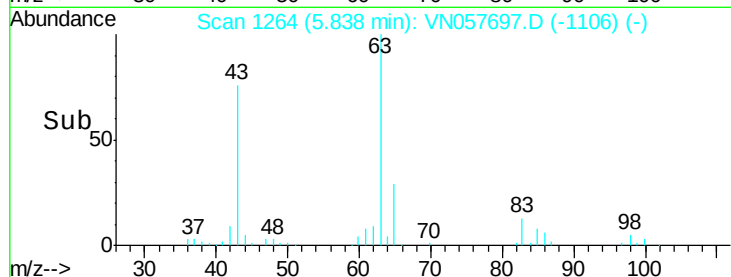
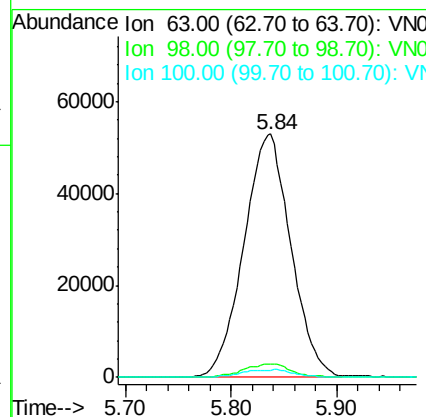
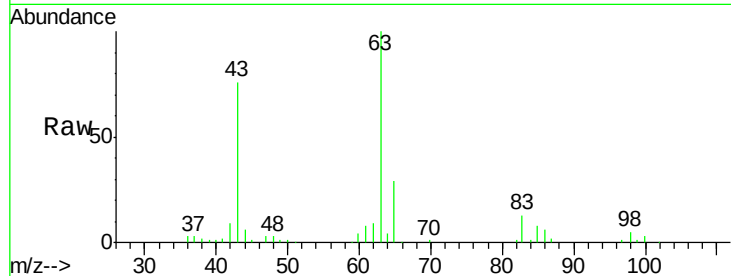
#21
 1,1-Dichloroethane
 Concen: 20.528 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.6	7.8
100	3.1	1.8	5.5

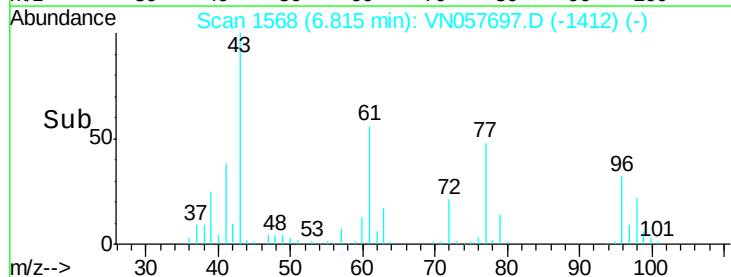
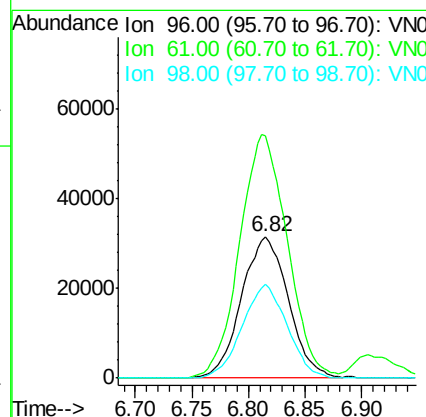
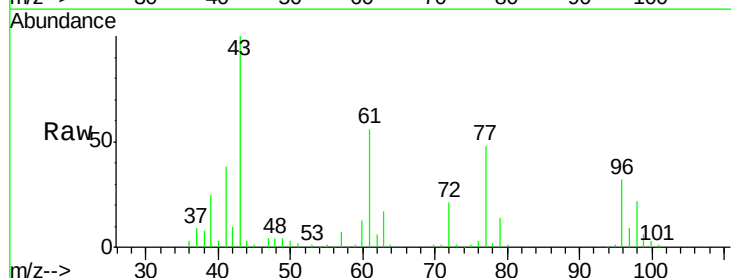
Manual Integrations
 APPROVED

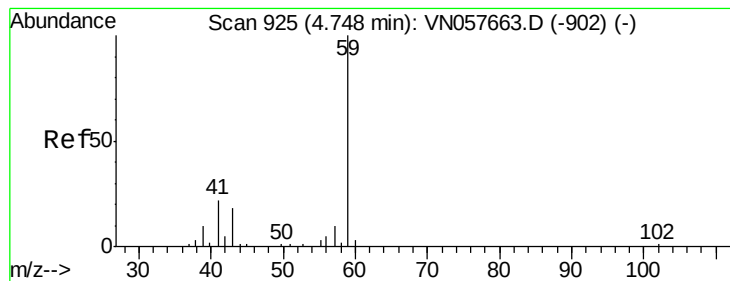
MMDadoda
 9/6/2019 8:26:16 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.812 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.3	137.2	205.8
98	63.5	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 90.472 ug/l m

RT: 4.75 min Scan# 925

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBS01

Tot Ion: 59 Resp: 60307

Ion Ratio Lower Upper

59 100

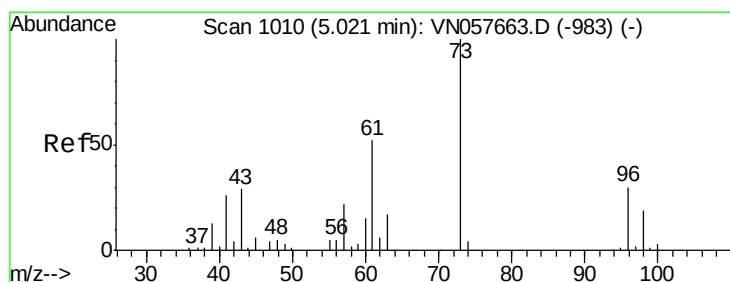
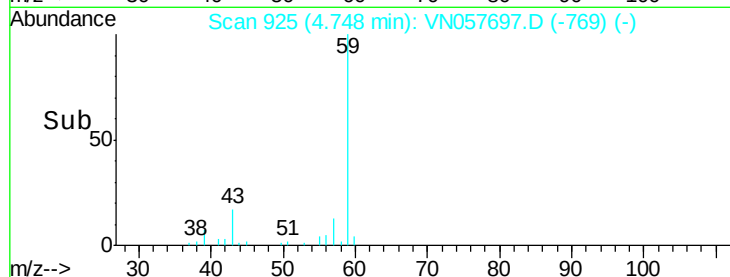
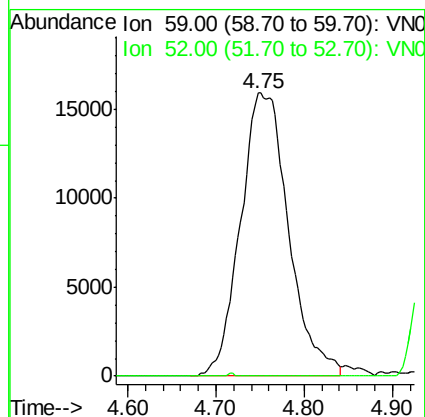
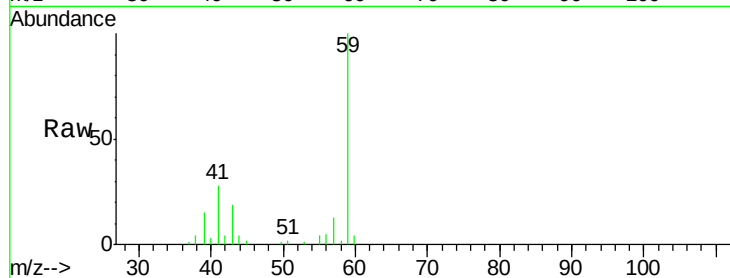
52 0.1 0.0 0.0#

Manual Integrations

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MMDadoda

9/6/2019 8:26:16 AM



#24

Methyl tert-Butyl Ether

Concen: 20.141 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057697.D

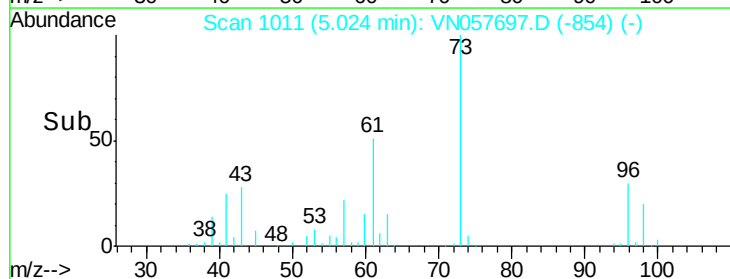
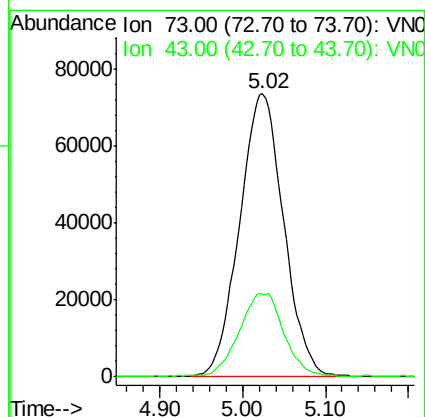
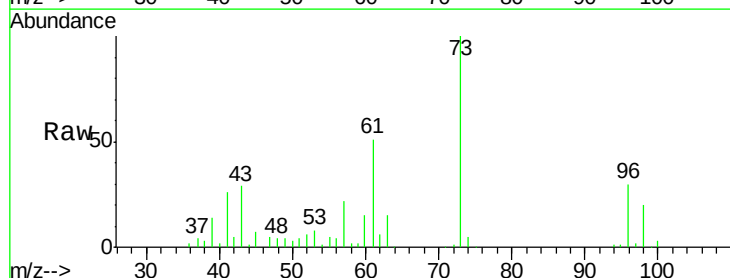
Acq: 5 Sep 2019 11:47

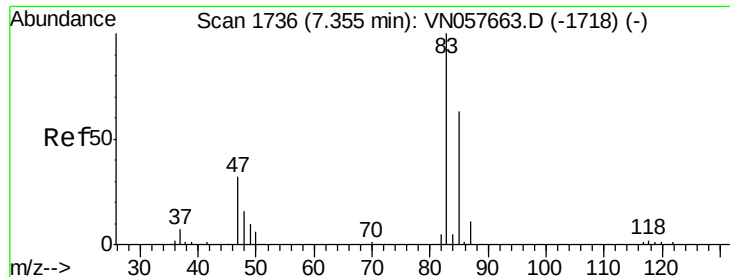
Tgt Ion: 73 Resp: 269994

Ion Ratio Lower Upper

73 100

43 15.9 23.2 34.8#





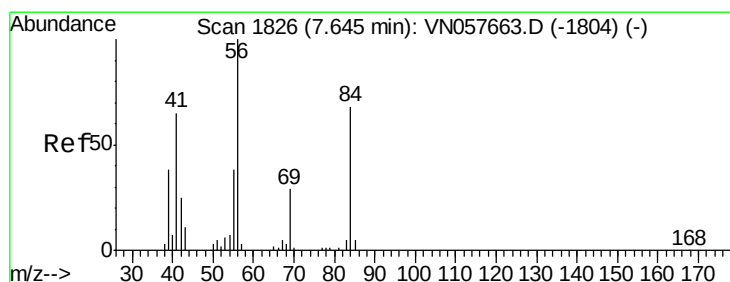
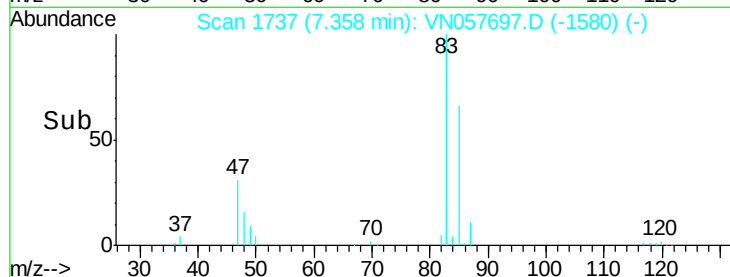
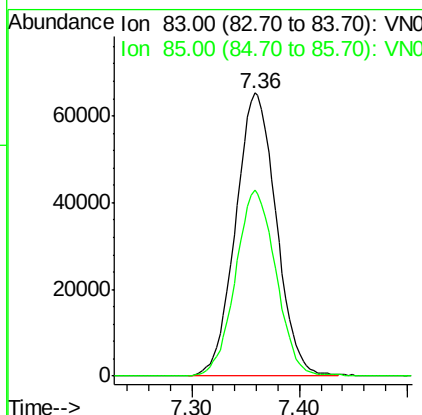
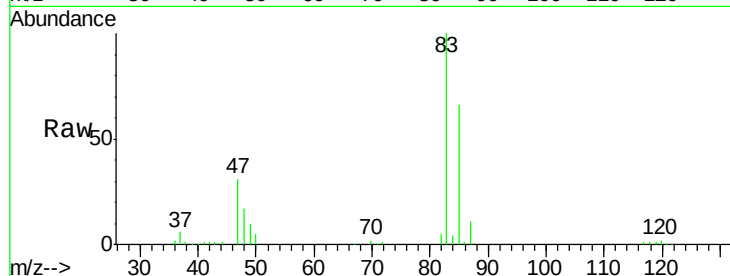
#25
Chloroform
Concen: 20.623 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	83	Resp	171078
Ion Ratio	100	Lower	Upper
85	65.7	50.8	76.2

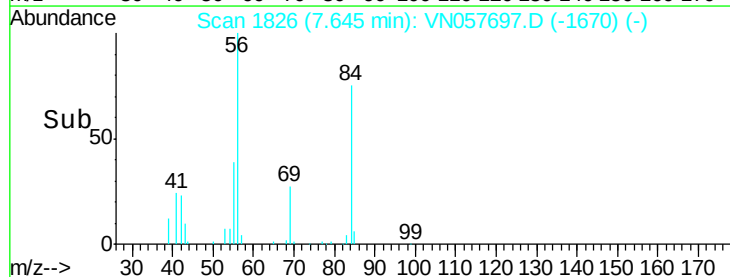
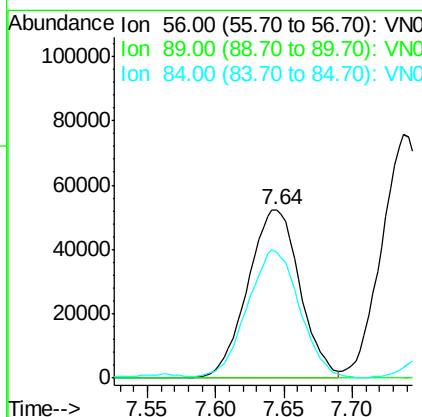
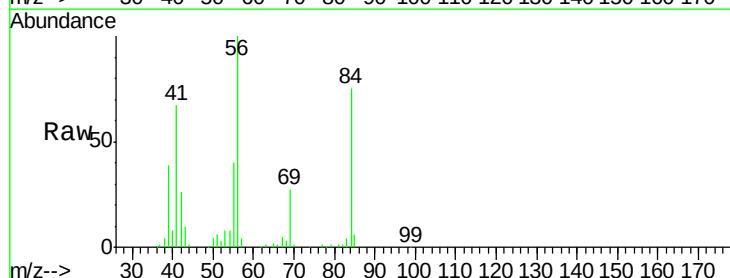
Manual Integrations
APPROVED

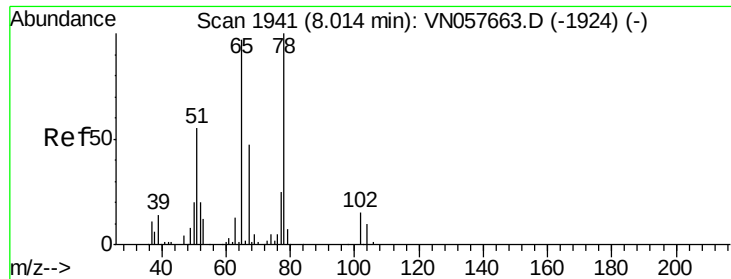
MMDadoda
9/6/2019 8:26:16 AM



#26
Cyclohexane
Concen: 20.374 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	56	Resp	138836
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.7	60.4	90.6





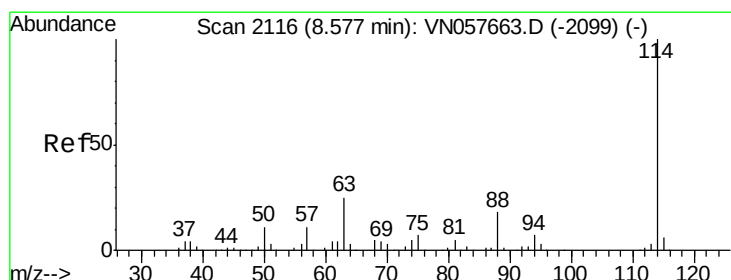
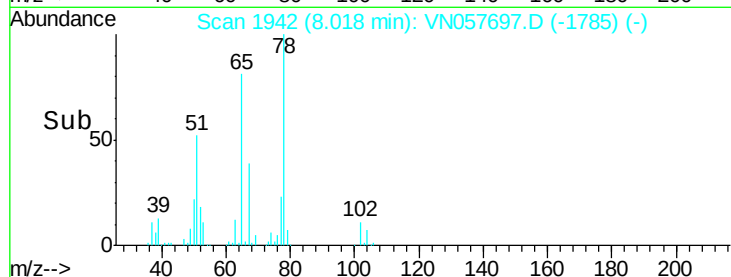
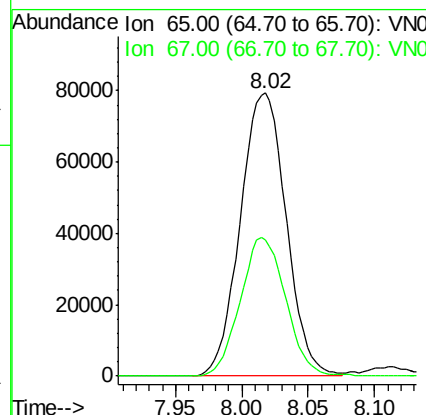
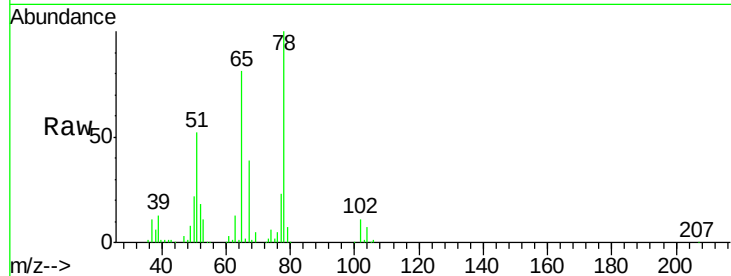
#27
 1,2-Dichloroethane-d4
 Concen: 30.049 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion: 65 Resp: 191024
 Ion Ratio Lower Upper
 65 100
 67 48.4 38.6 57.8

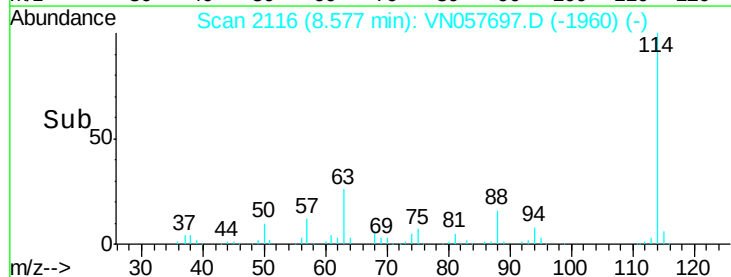
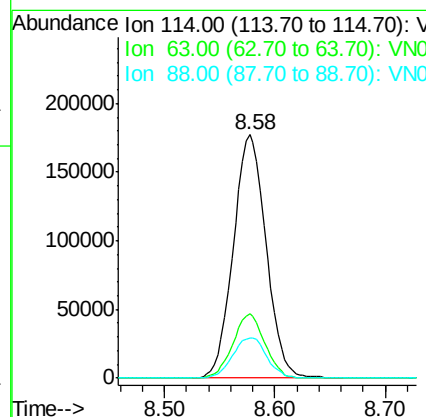
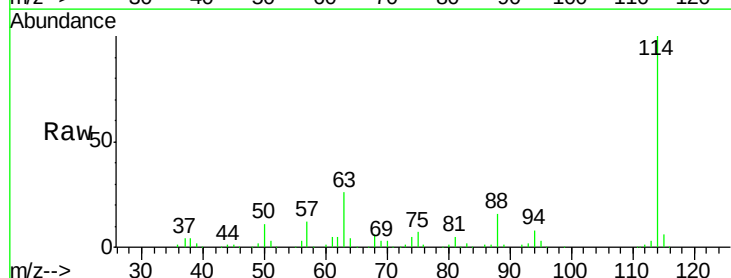
Manual Integrations
 APPROVED

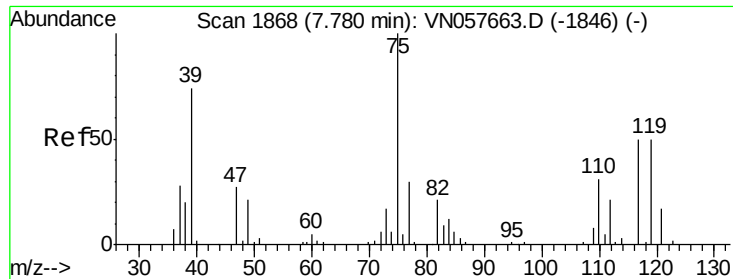
MMDadoda
 9/6/2019 8:26:16 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion: 114 Resp: 365238
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.6 30.8
 88 17.3 14.3 21.5





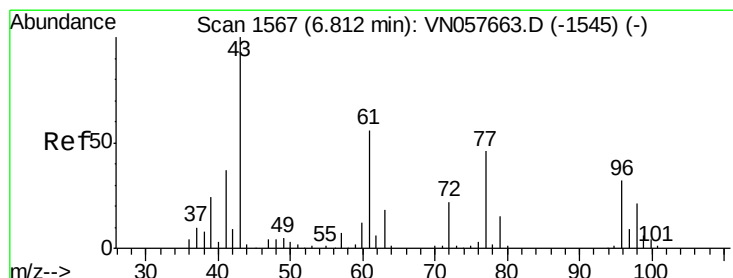
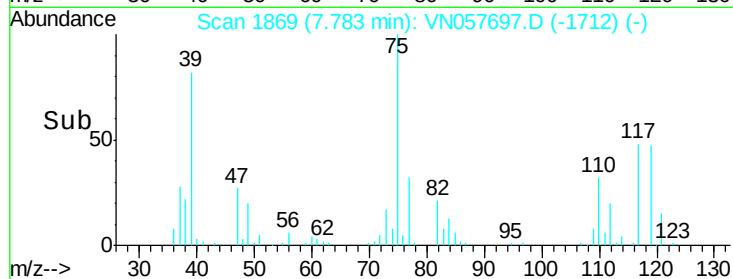
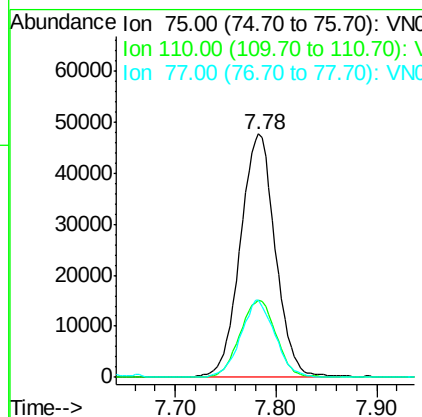
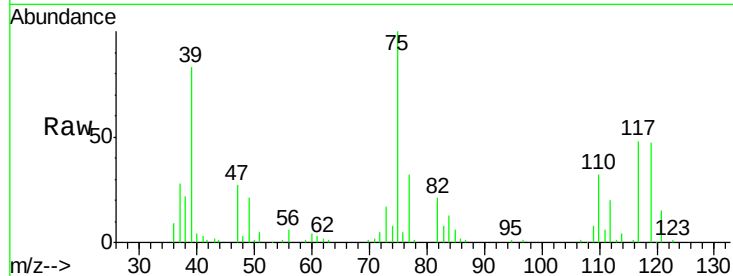
#29
 1,1-Dichloropropene
 Concen: 19.635 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
110	32.6	0.0	62.8		
77	31.0	0.0	57.8		

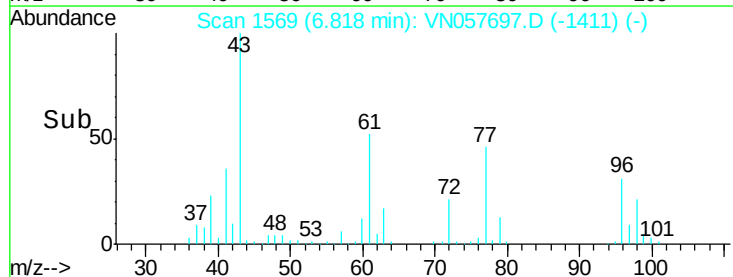
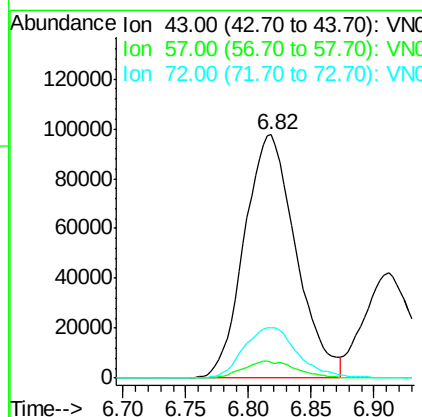
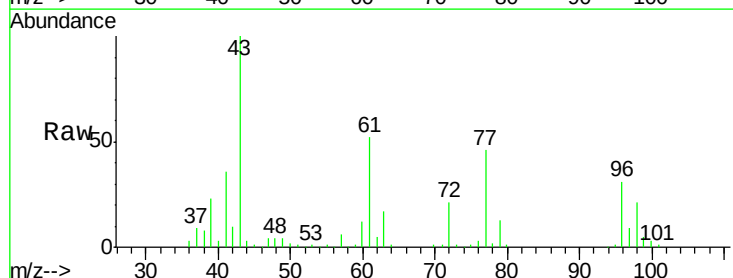
Manual Integrations
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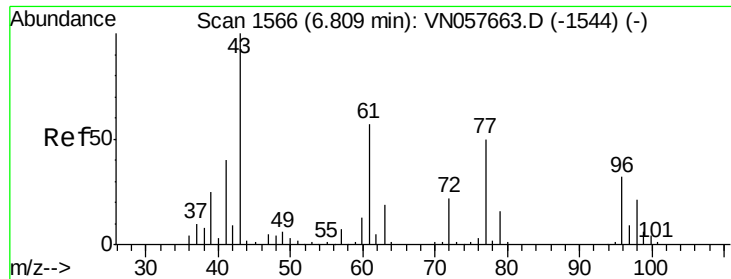
MMDadoda
 9/6/2019 8:26:16 AM



#30
 2-Butanone
 Concen: 100.544 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
57	4.4	2.6	3.8#		
72	21.7	18.1	27.1		





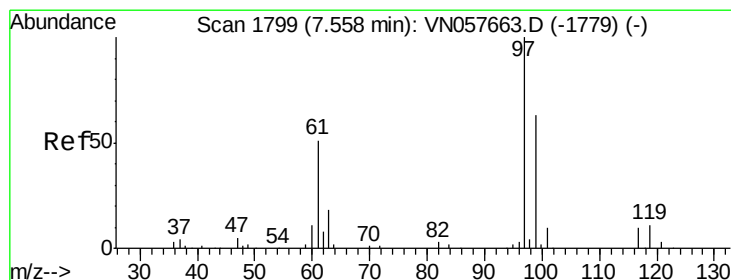
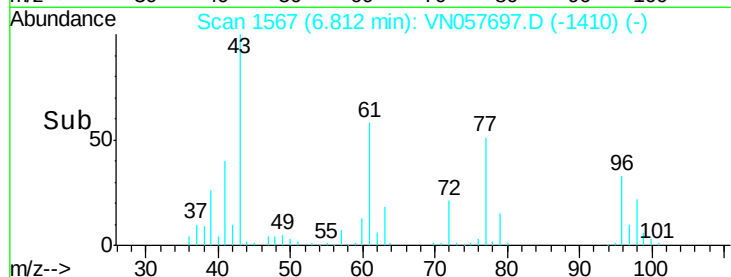
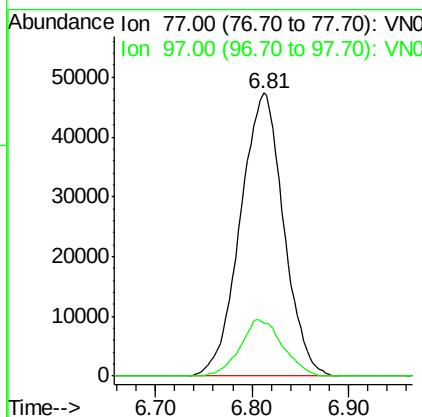
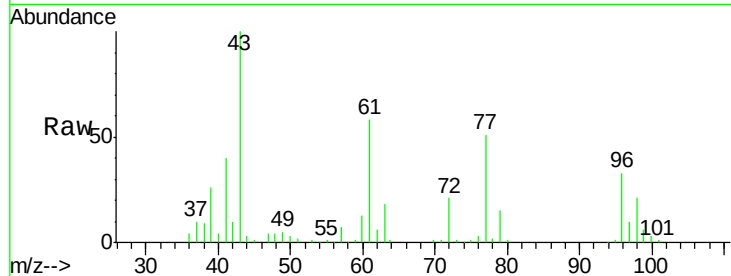
#31
 2,2-Dichloropropane
 Concen: 20.450 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion: 77 Resp: 147614
 Ion Ratio Lower Upper
 77 100
 97 19.6 8.8 13.2#

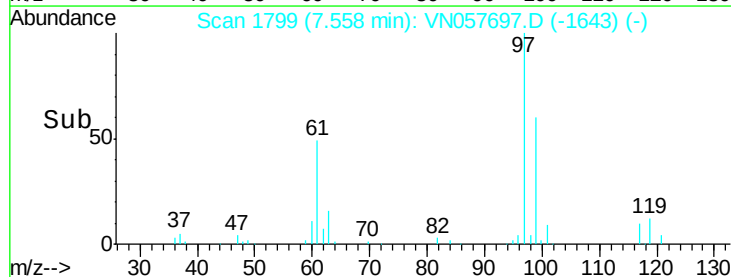
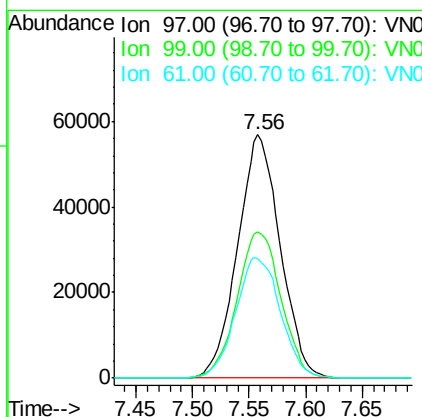
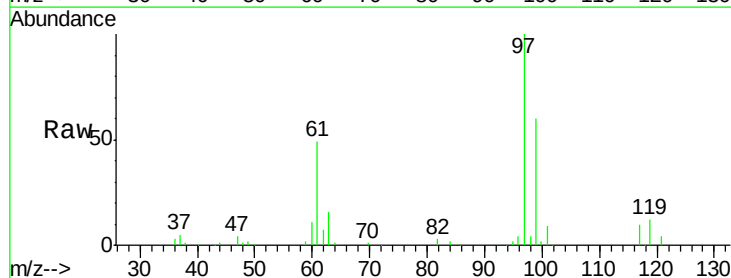
Manual Integrations
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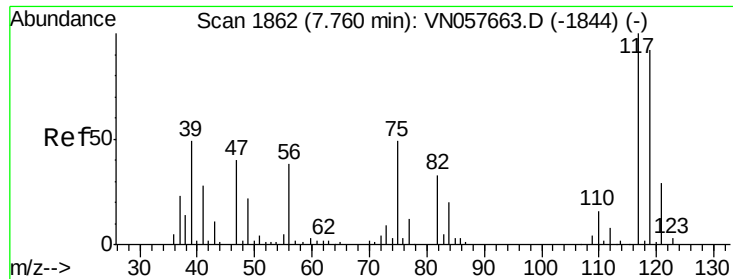
MMDadoda
 9/6/2019 8:26:16 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.652 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion: 97 Resp: 149117
 Ion Ratio Lower Upper
 97 100
 99 61.9 51.9 77.9
 61 52.0 41.4 62.0





#33

Carbon Tetrachloride

Concen: 20.039 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBS01

Tot Ion:117 Resp: 117502
Ion Ratio Lower Upper

117 100

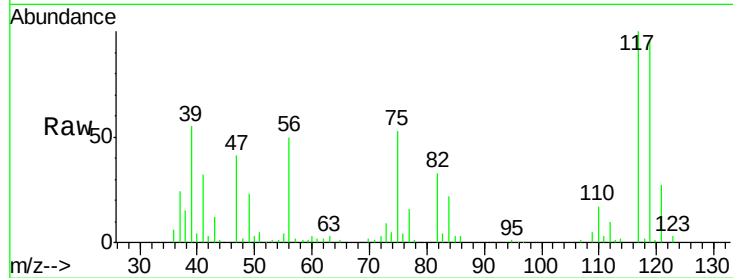
119 95.8 73.3 109.9

121 27.5 23.3 34.9

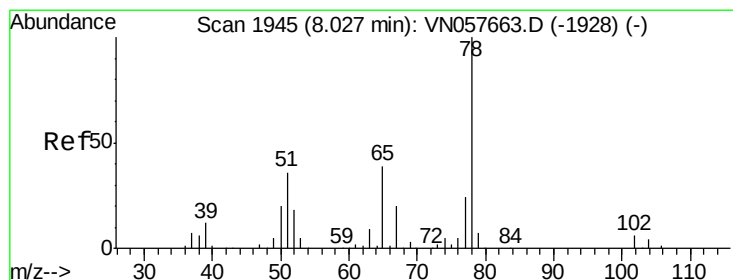
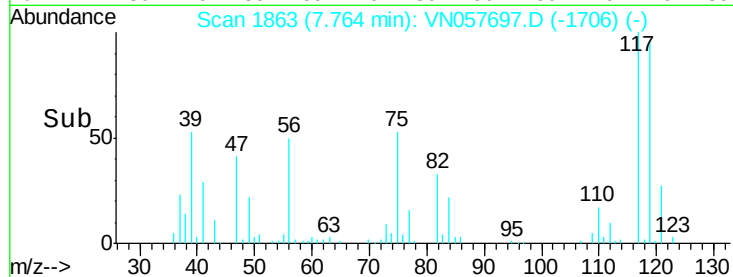
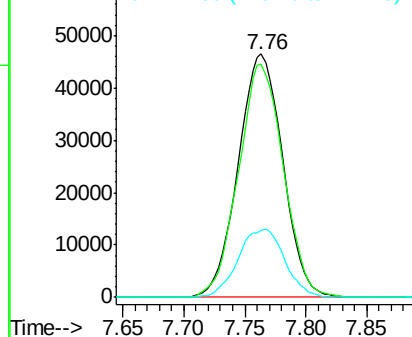
Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.066 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057697.D

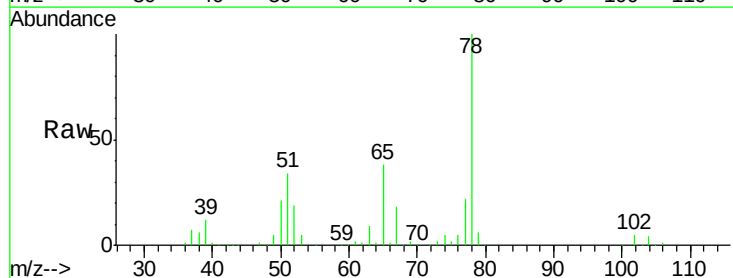
Acq: 5 Sep 2019 11:47

Tgt Ion: 78 Resp: 336177
Ion Ratio Lower Upper

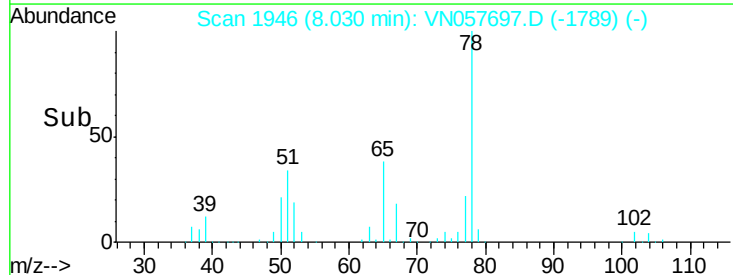
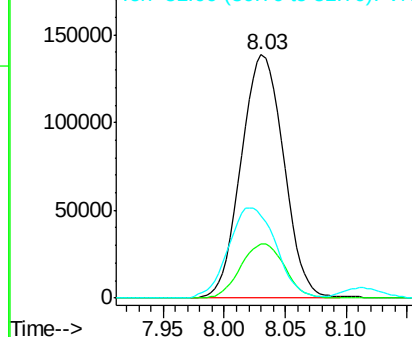
78 100

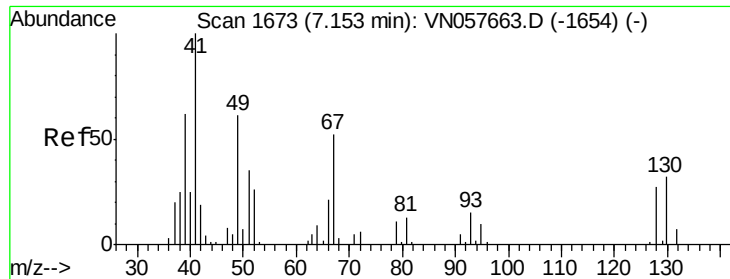
77 22.2 18.8 28.2

51 33.6 29.0 43.6



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V





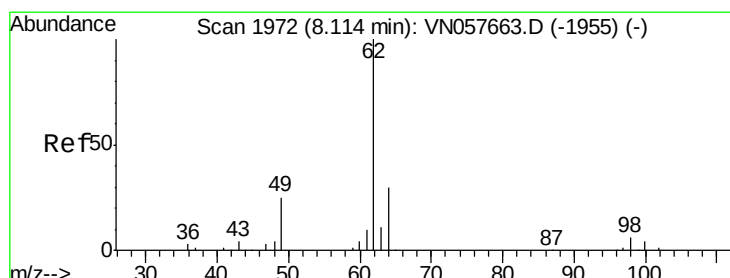
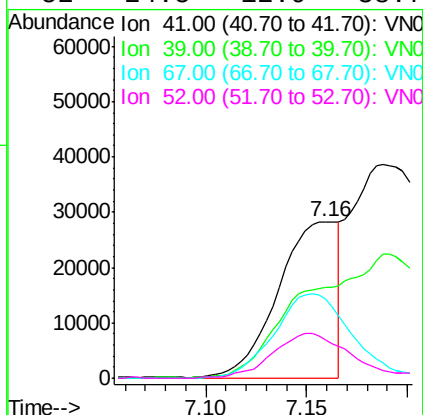
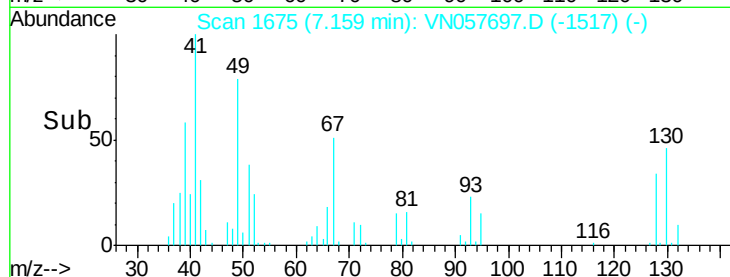
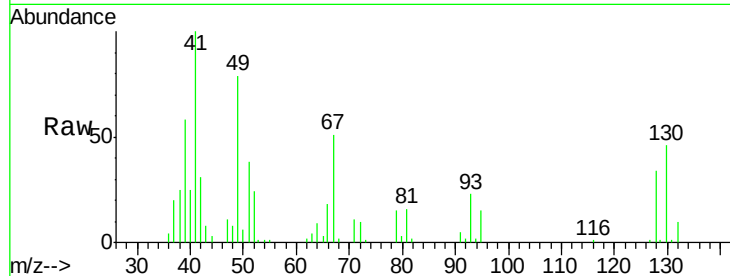
#35
Methacrylonitrile
Concen: 23.078 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.3	31.0	93.0	
67	50.7	25.9	77.7	
52	24.5	12.9	38.7	

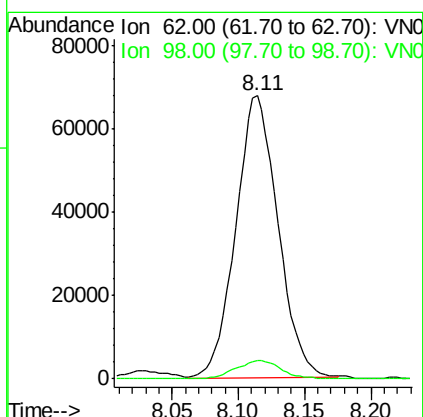
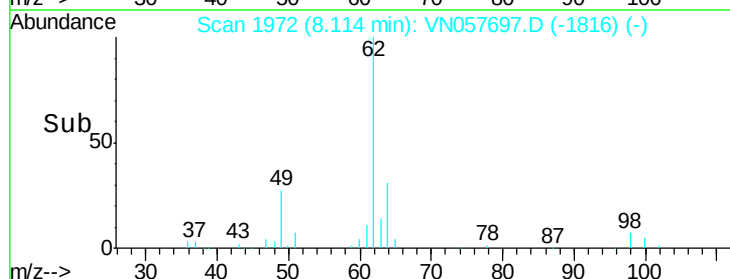
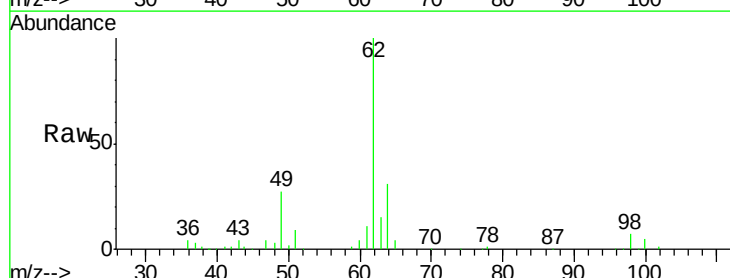
Manual Integrations
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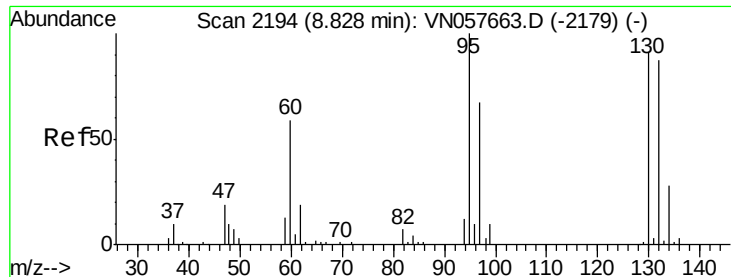
MMDadoda
9/6/2019 8:26:16 AM



#36
1,2-Dichloroethane
Concen: 20.021 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.9	0.0	0.0#	





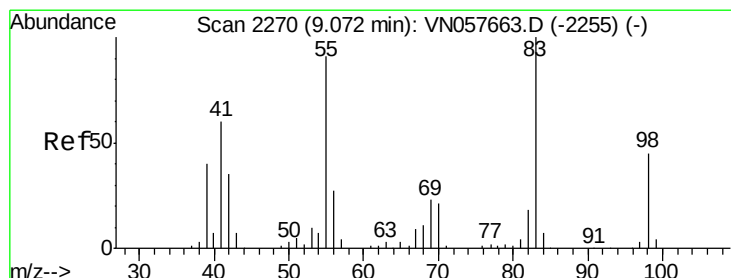
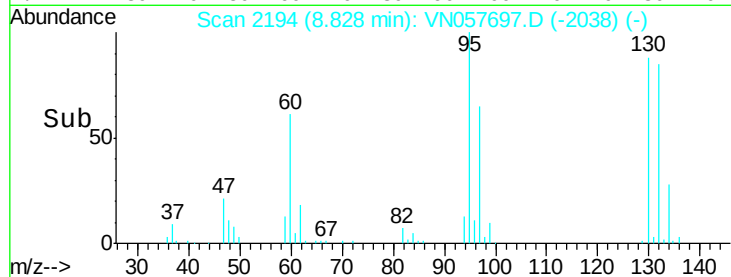
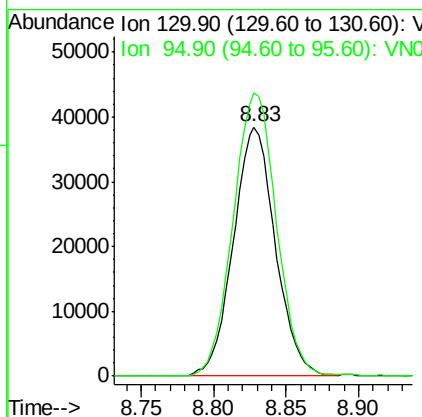
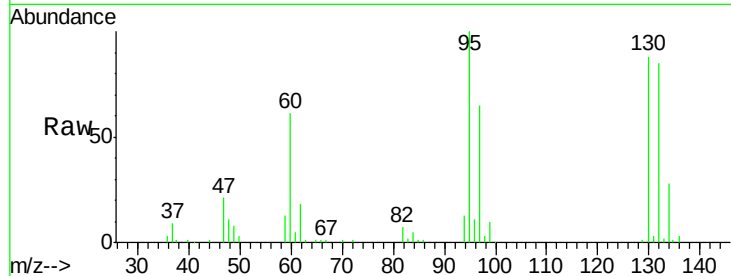
#37
 Trichloroethene
 Concen: 19.403 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0905WBS01

Tot Ion:130 Resp: 77186
 Ion Ratio Lower Upper
 130 100
 95 113.6 87.5 131.3

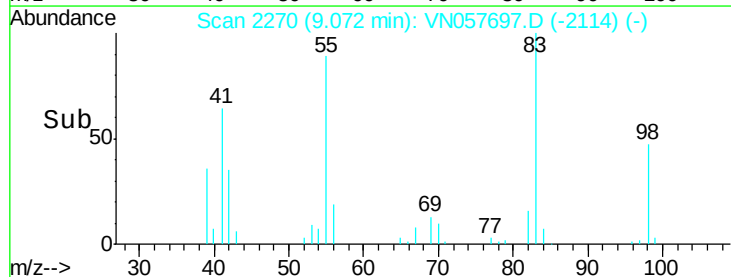
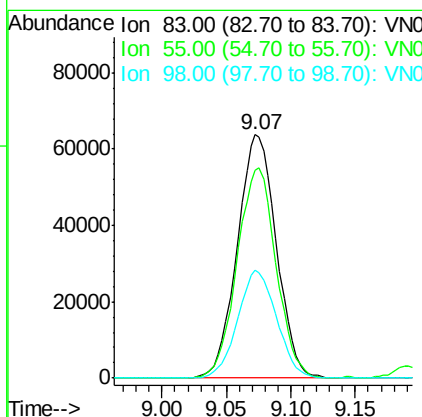
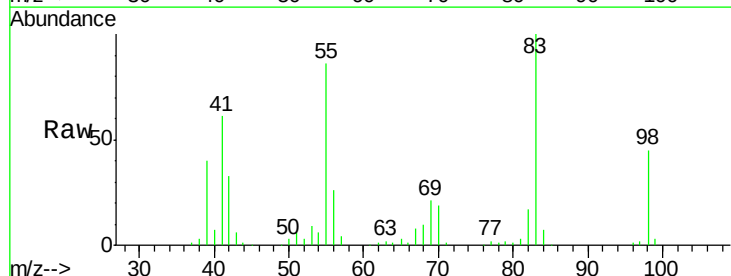
Manual Integrations
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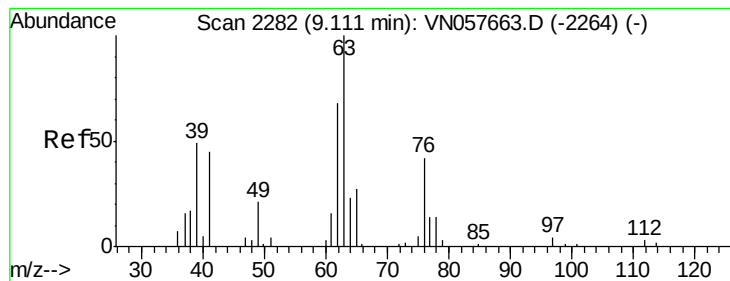
MMDadoda
 9/6/2019 8:26:16 AM



#38
 Methylcyclohexane
 Concen: 20.780 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion: 83 Resp: 134484
 Ion Ratio Lower Upper
 83 100
 55 86.3 45.1 135.3
 98 44.1 22.5 67.5





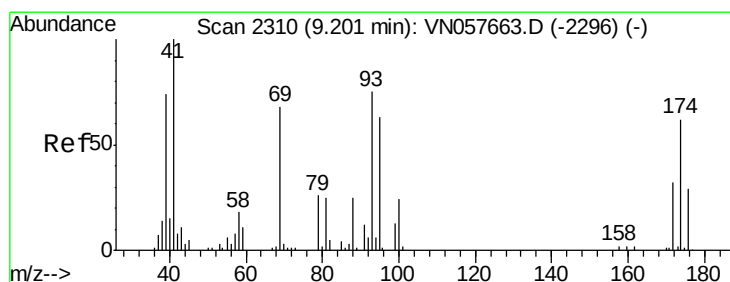
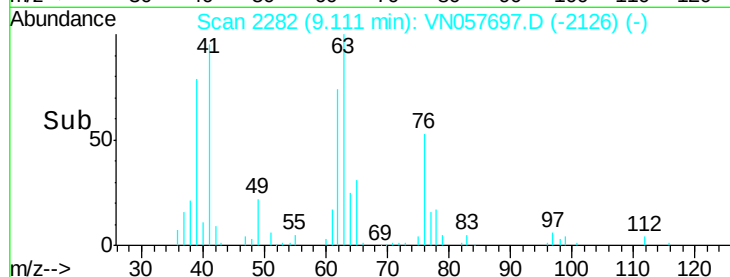
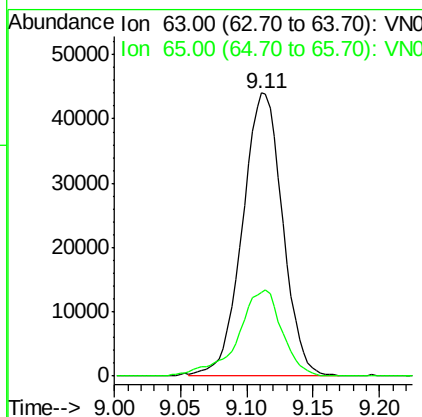
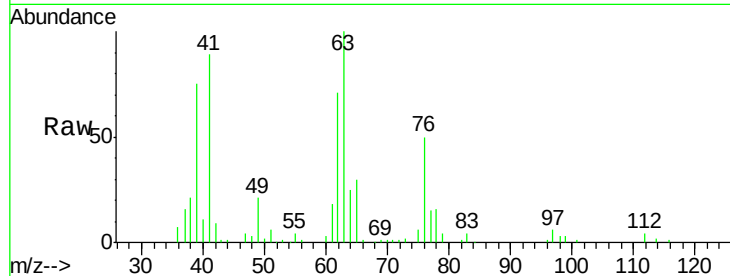
#39
 1,2-Dichloropropane
 Concen: 20.252 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion: 63 Resp: 92778
 Ion Ratio Lower Upper
 63 100
 65 29.6 22.2 33.2

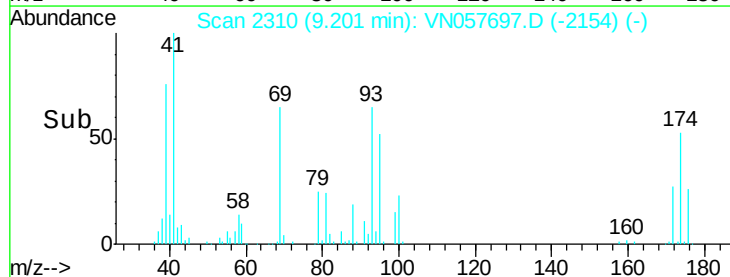
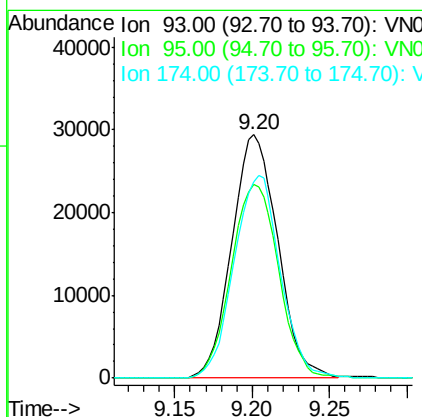
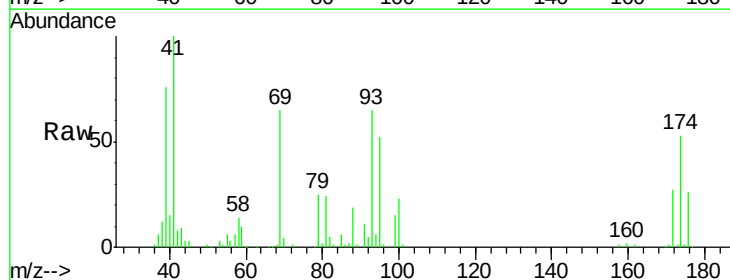
Manual Integrations
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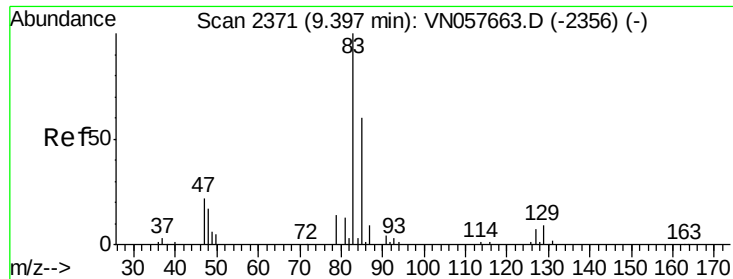
MMDadoda
 9/6/2019 8:26:16 AM



#40
 Dibromomethane
 Concen: 20.438 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion: 93 Resp: 60695
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 168.2
 174 83.8 0.0 169.2





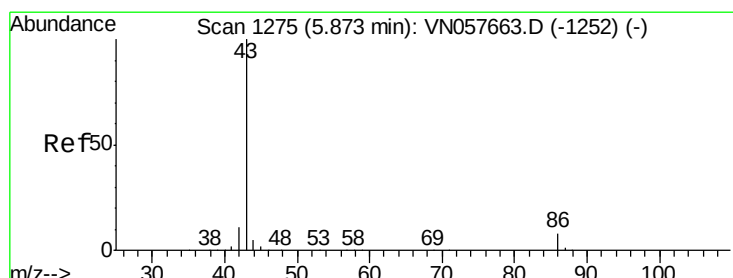
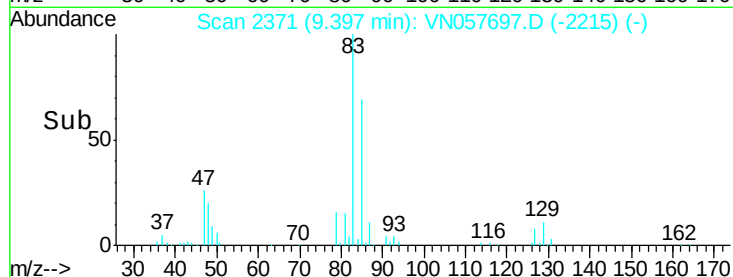
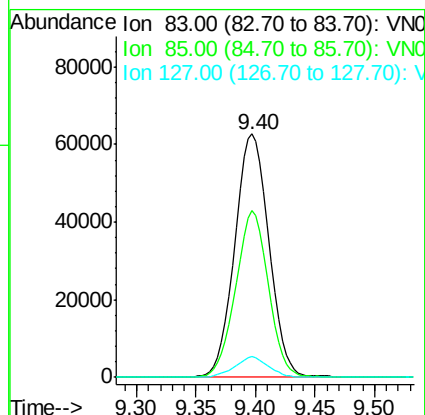
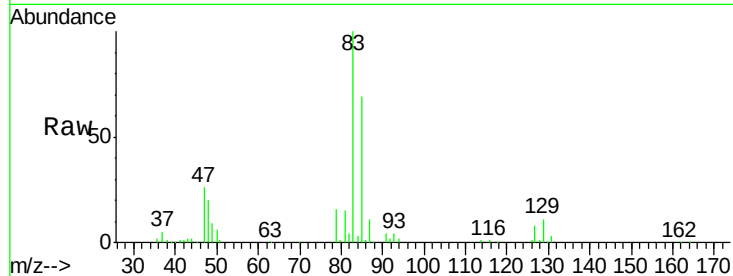
#41
Bromodichloromethane
Concen: 19.508 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	83	Resp	125217
Ion Ratio	100	Lower	Upper
83	100		
85	68.7	48.2	72.4
127	8.4	5.3	7.9#

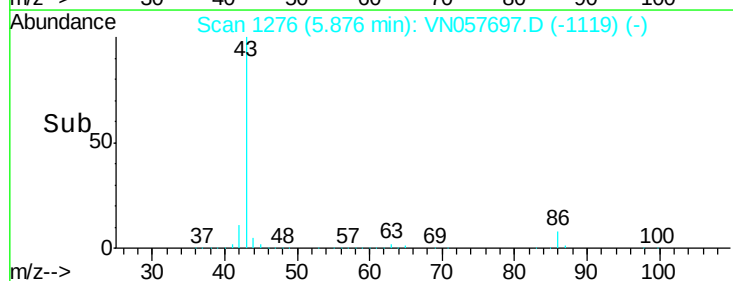
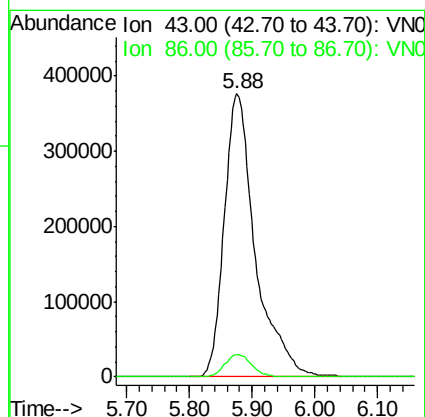
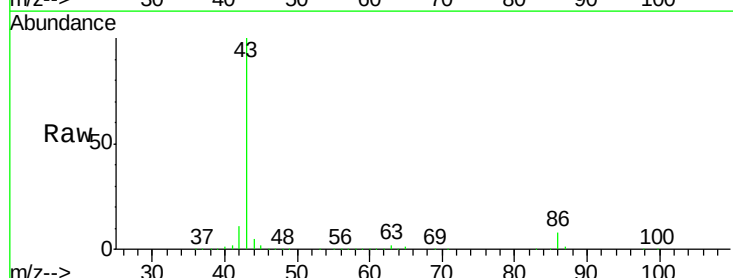
Manual Integrations
APPROVED

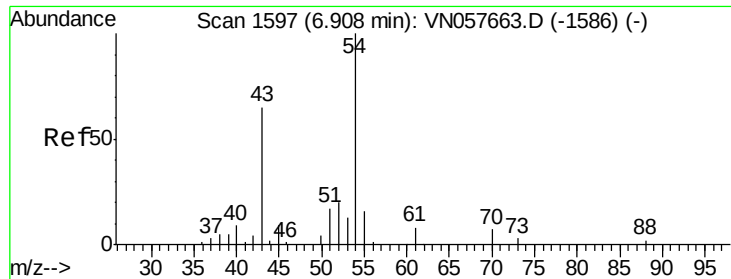
MMDadoda
9/6/2019 8:26:16 AM



#42
Vinyl Acetate
Concen: 106.929 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	43	Resp	1294869
Ion Ratio	100	Lower	Upper
43	100		
86	6.8	5.4	8.2





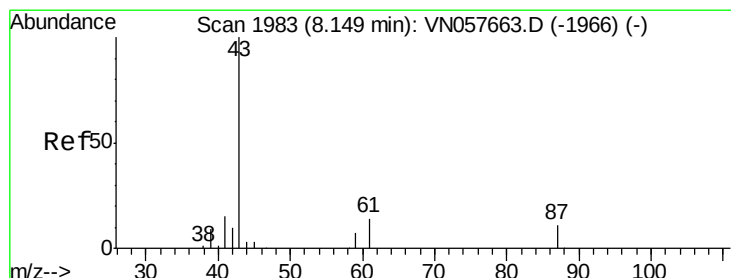
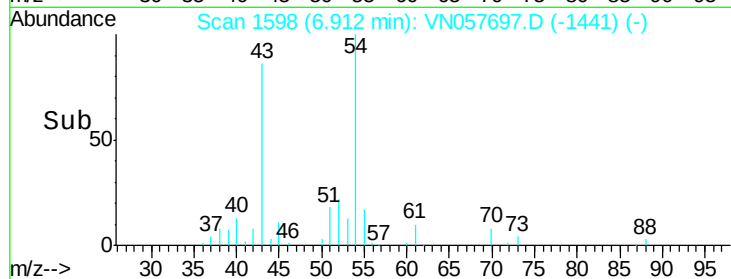
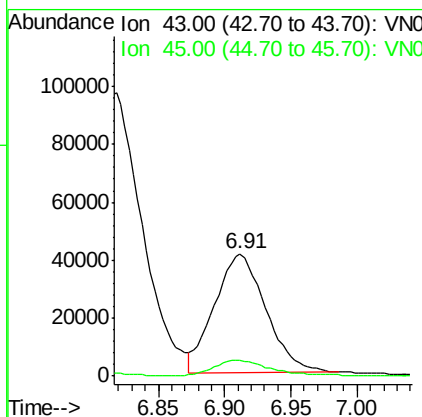
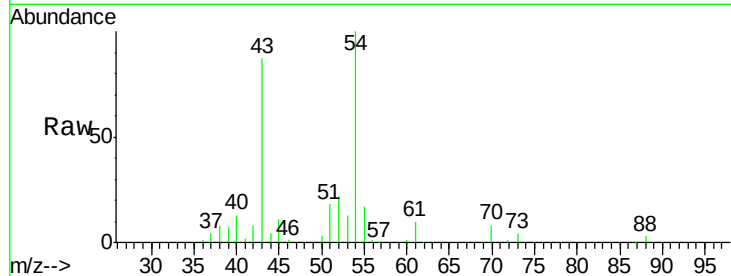
#43
Ethyl Acetate
Concen: 19.369 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion: 43 Resp: 109889
Ion Ratio Lower Upper
43 100
45 13.8 5.0 7.6#

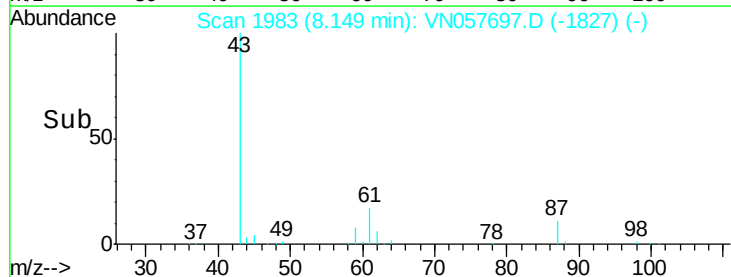
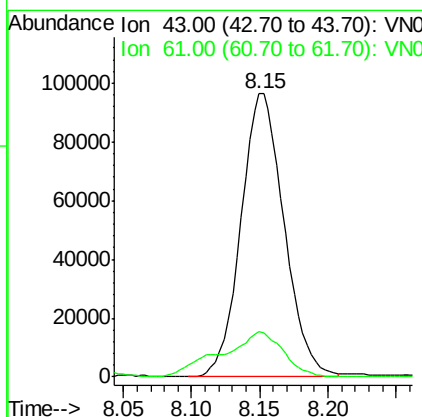
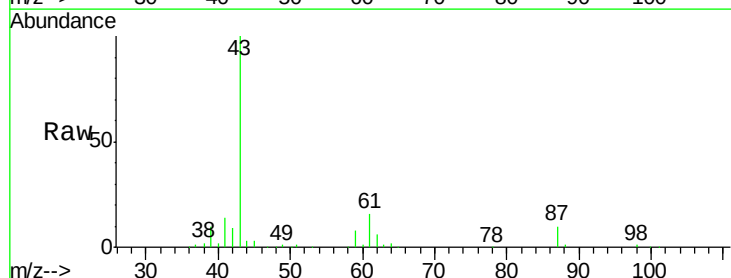
Manual Integrations
APPROVED

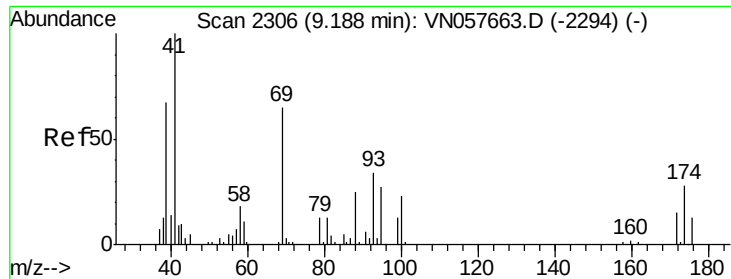
MMDadoda
9/6/2019 8:26:16 AM



#44
Isopropyl Acetate
Concen: 19.855 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion: 43 Resp: 210595
Ion Ratio Lower Upper
43 100
61 16.1 12.6 18.8





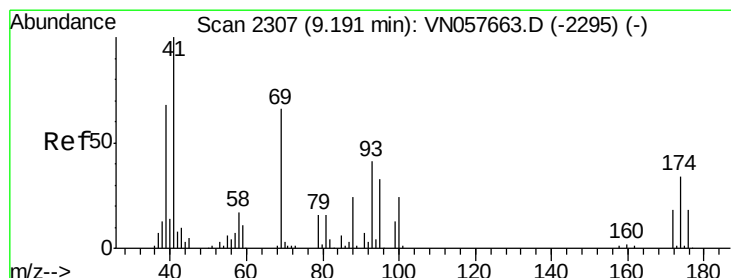
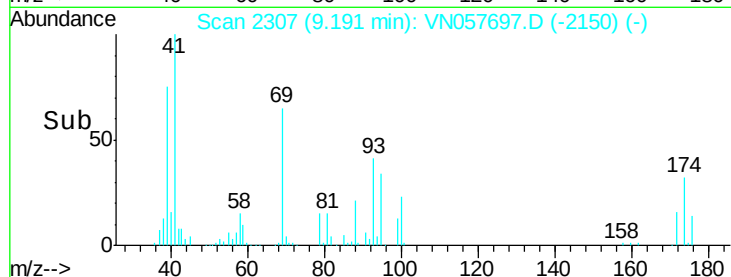
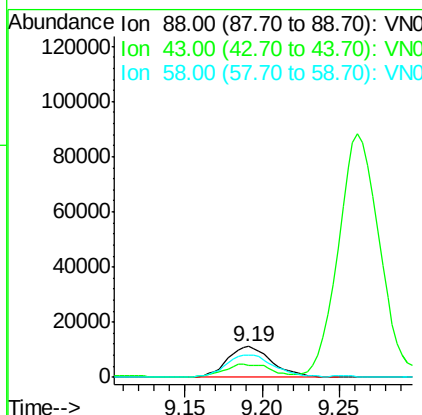
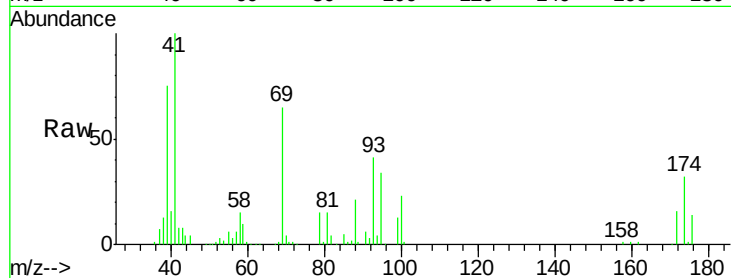
#45
1,4-Dioxane
Concen: 329.998 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion: 88 Resp: 22469
Ion Ratio Lower Upper
88 100
43 29.7 31.0 46.4#
58 77.9 58.2 87.2

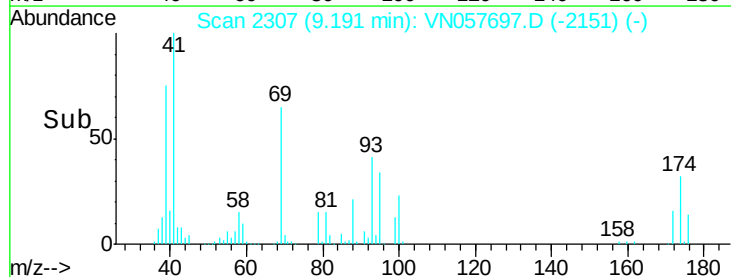
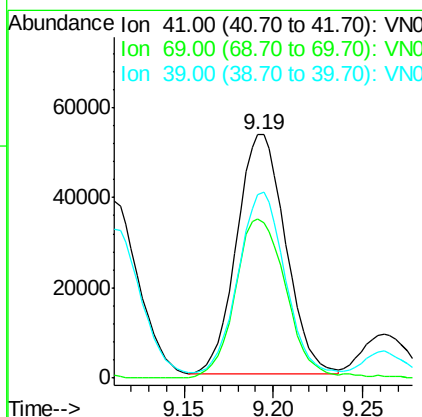
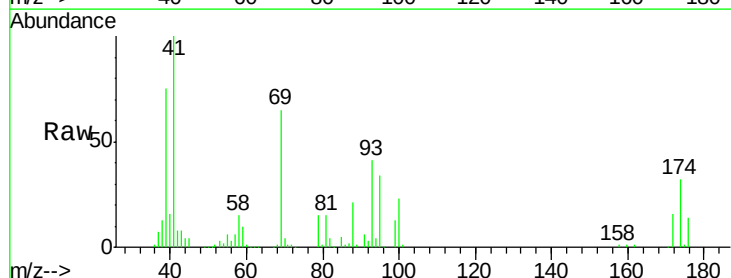
Manual Integrations
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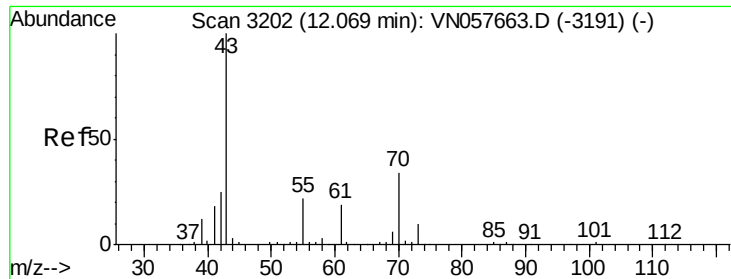
MMDadoda
9/6/2019 8:26:16 AM



#46
Methyl methacrylate
Concen: 19.733 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion: 41 Resp: 101558
Ion Ratio Lower Upper
41 100
69 66.4 33.1 99.2
39 74.4 34.0 102.0





#47

n-amvl Acetate

Concen: 18.296 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0905WBS01

Tot Ion: 43 Resp: 150502

Ion Ratio Lower Upper

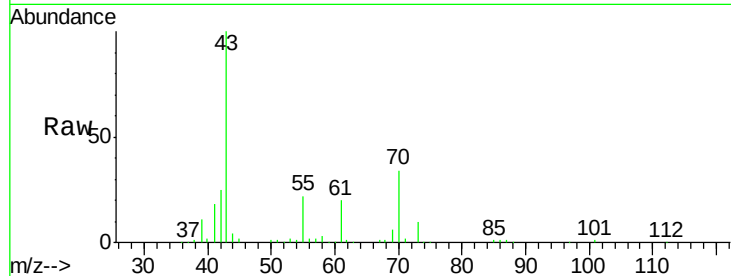
43 100

55 22.1 17.5 26.3

Manual Integrations
APPROVED

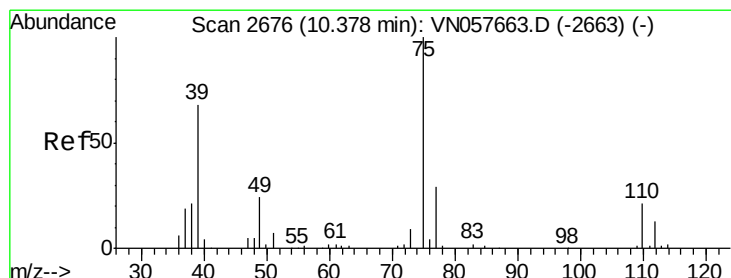
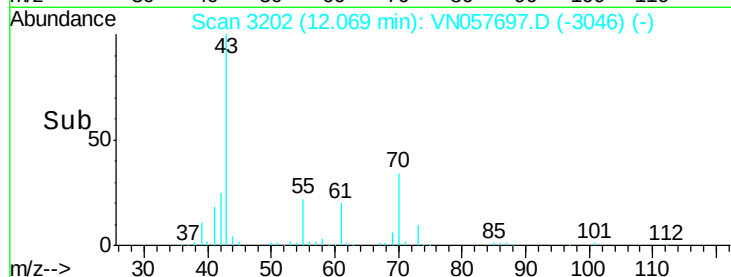
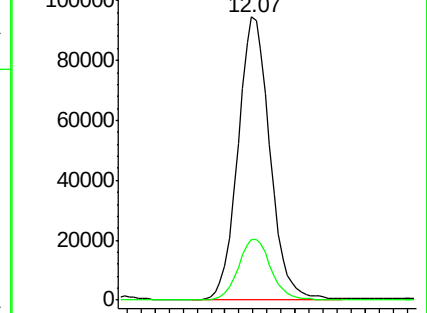
MMDadoda

9/6/2019 8:26:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.379 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057697.D

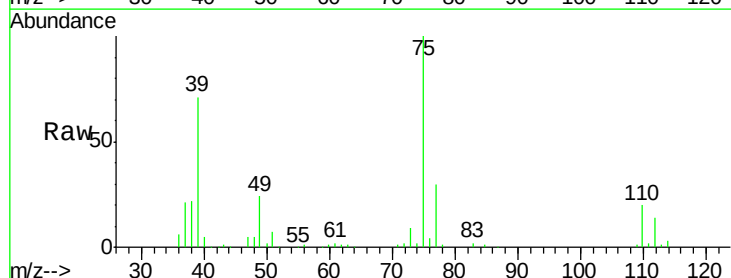
Acq: 5 Sep 2019 11:47

Tgt Ion: 75 Resp: 130478

Ion Ratio Lower Upper

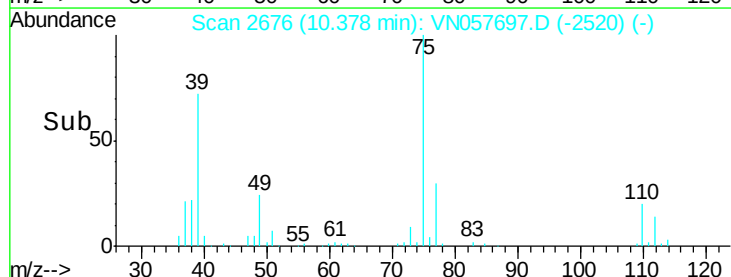
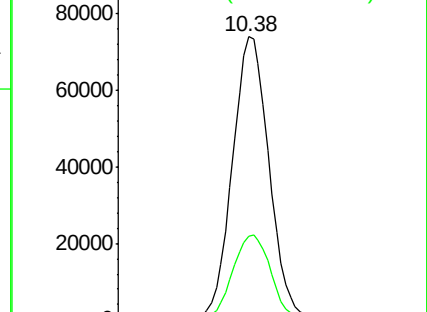
75 100

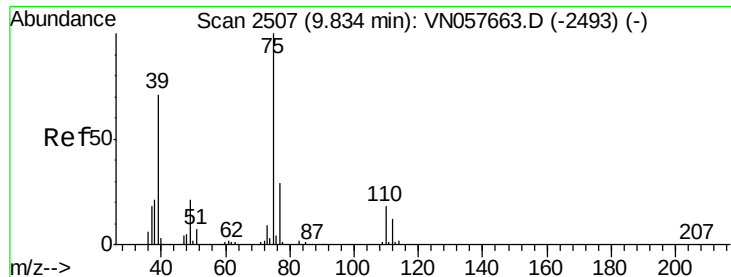
77 29.6 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





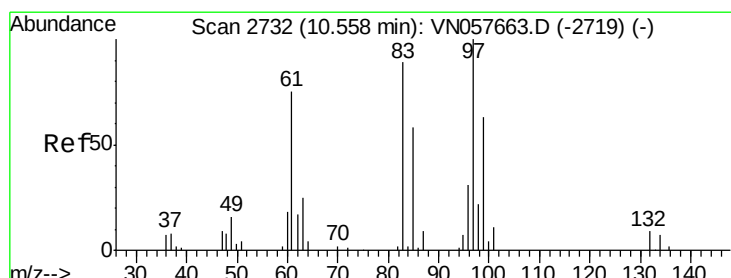
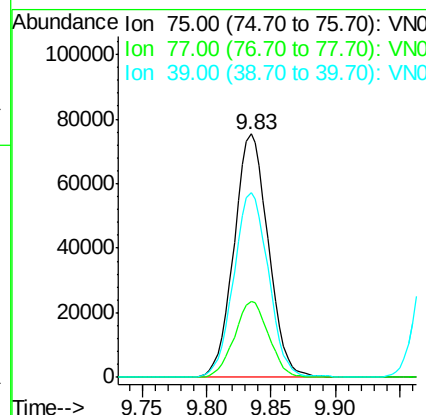
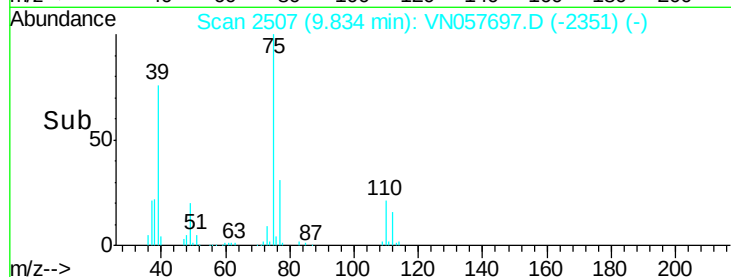
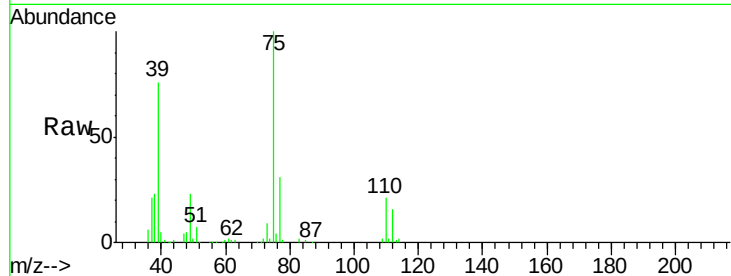
#49
 cis-1,3-Dichloropropene
 Concen: 19.436 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.4	35.2
39	75.8	56.6	85.0

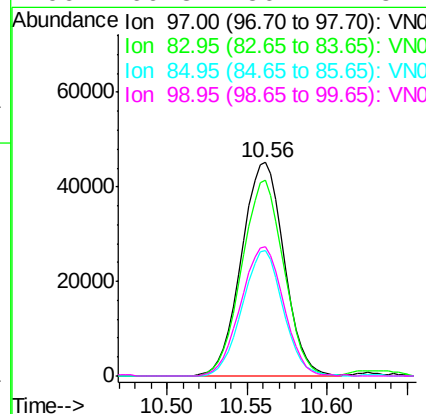
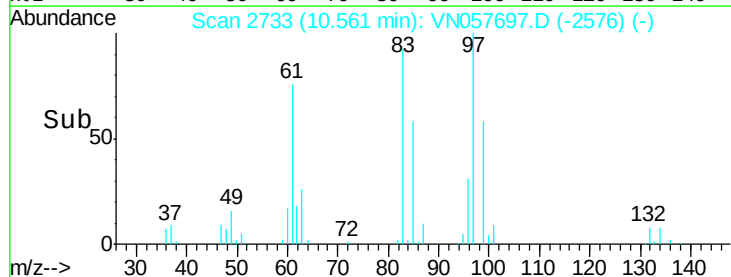
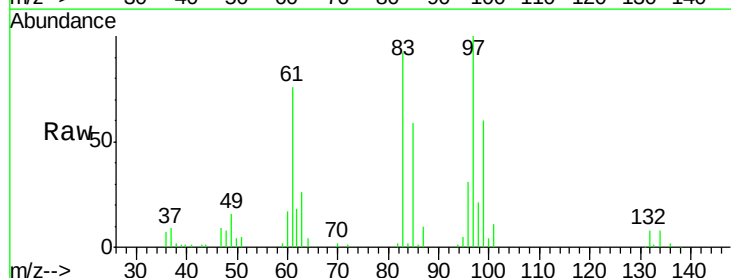
Manual Integrations
 APPROVED

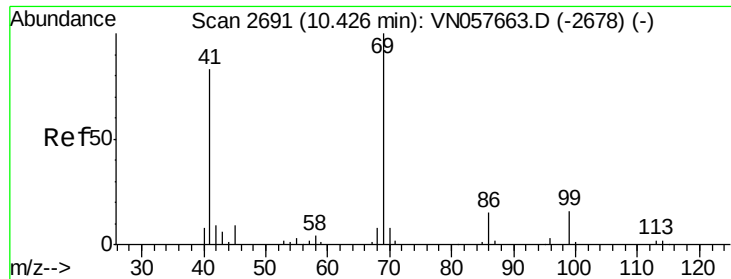
MMDadoda
 9/6/2019 8:26:16 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.533 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.6	71.4	107.2
85	58.9	46.0	69.0
99	60.3	50.2	75.2





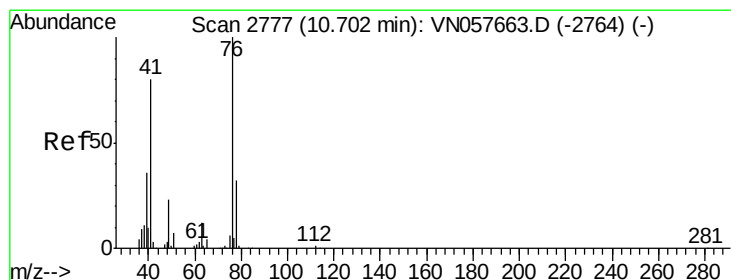
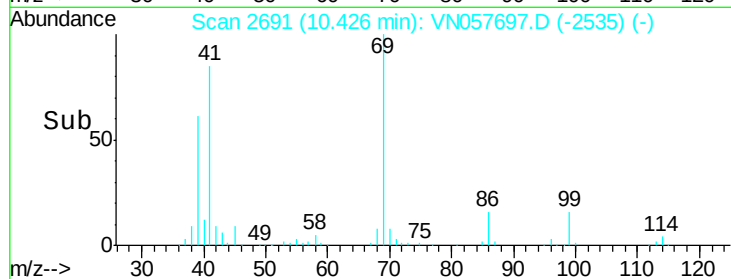
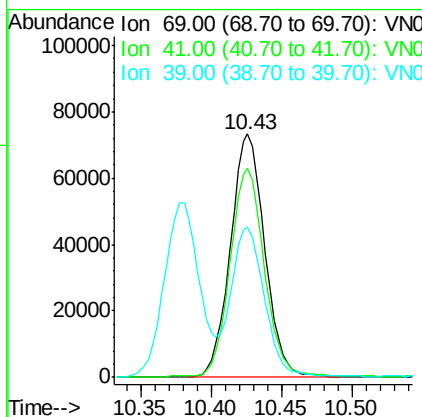
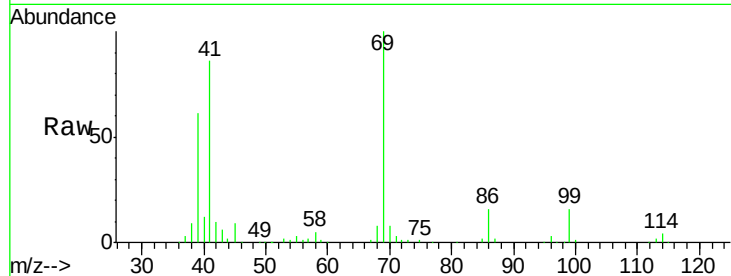
#51
Ethyl methacrylate
Concen: 19.075 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	85.3	41.5	124.5
39	61.0	29.6	88.9

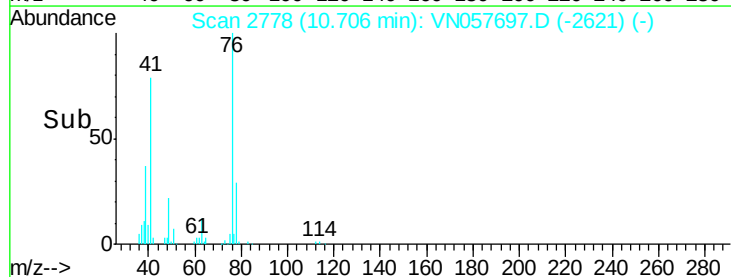
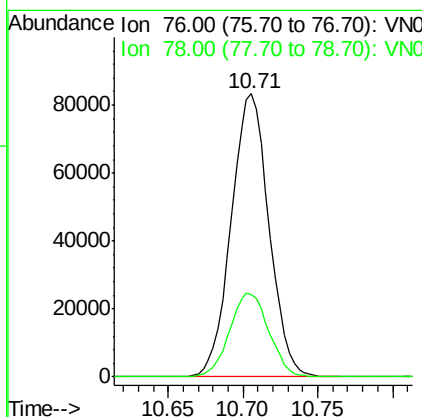
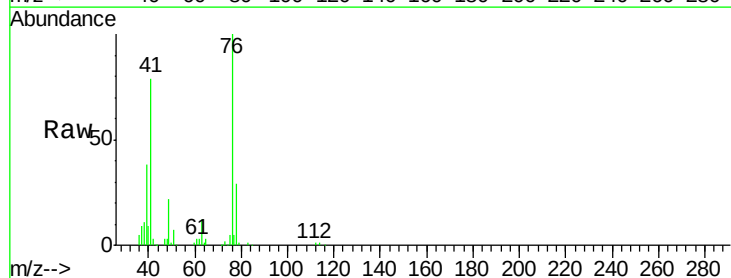
Manual Integrations
APPROVED

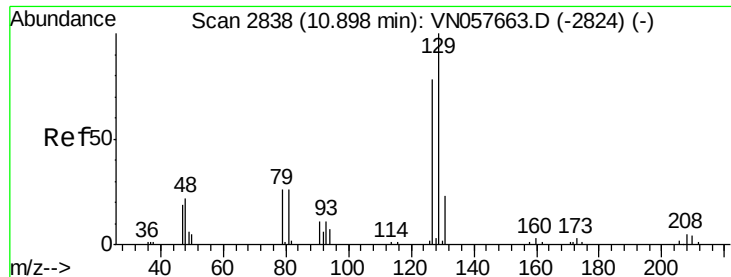
MMDadoda
9/6/2019 8:26:16 AM



#52
1,3-Dichloropropane
Concen: 20.530 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
76	100		
78	30.7	0.0	63.8





#53

Dibromochloromethane

Concen: 19.362 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0905WBS01

Tot Ion:129 Resp: 80936

Ion Ratio Lower Upper

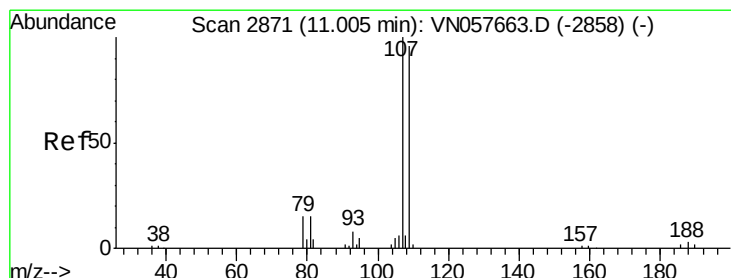
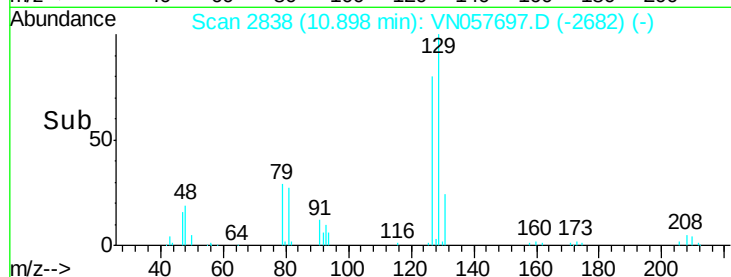
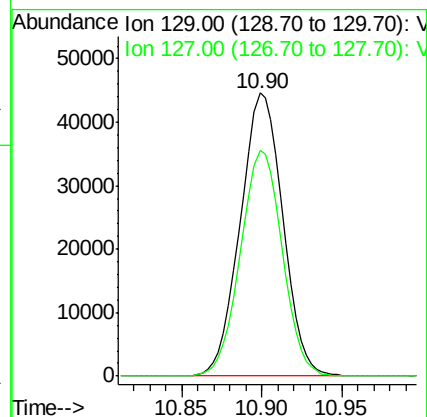
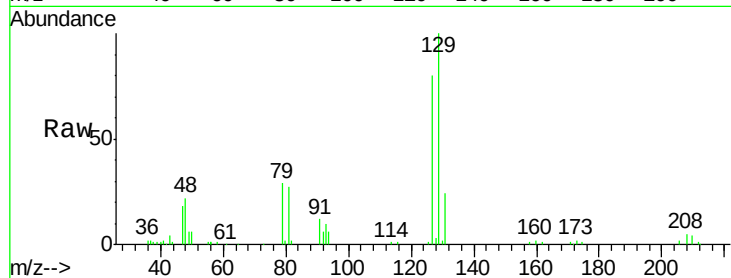
129 100

127 78.2 39.1 117.3

Manual Integrations
APPROVED

MMDadoda

9/6/2019 8:26:16 AM



#54

1,2-Dibromoethane

Concen: 20.221 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057697.D

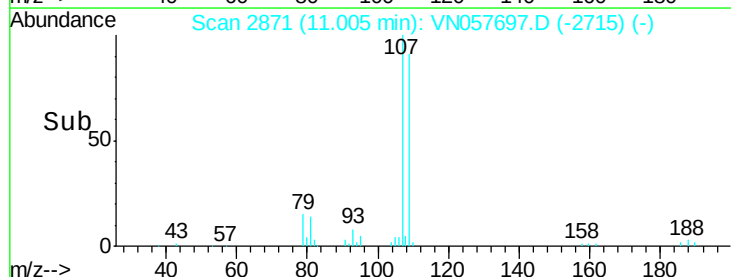
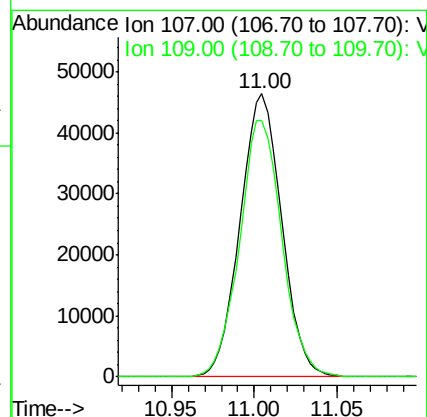
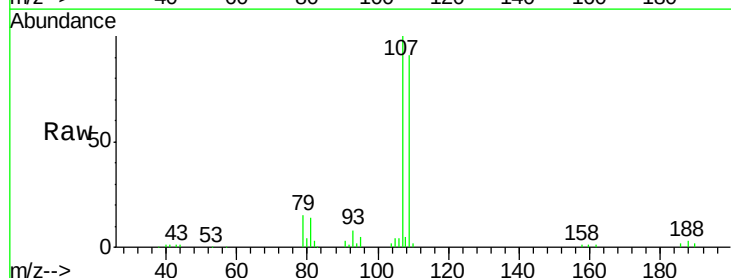
Acq: 5 Sep 2019 11:47

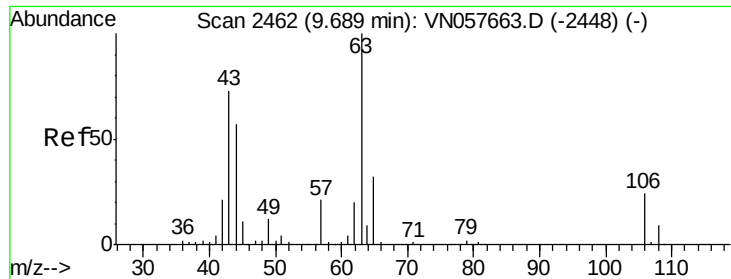
Tgt Ion:107 Resp: 80962

Ion Ratio Lower Upper

107 100

109 92.4 76.2 114.4





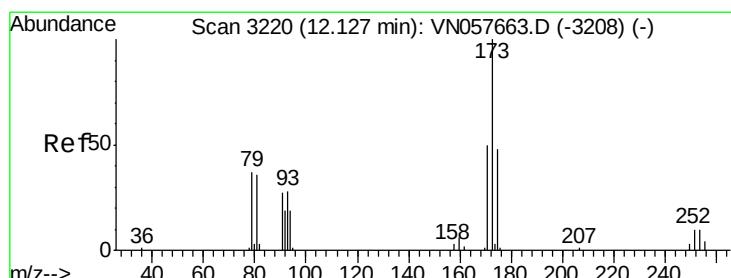
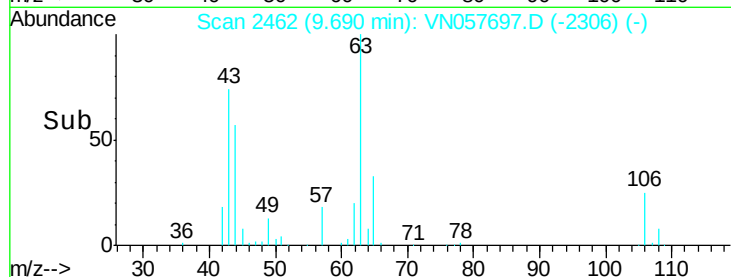
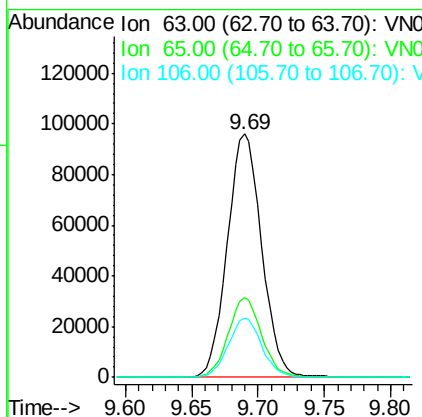
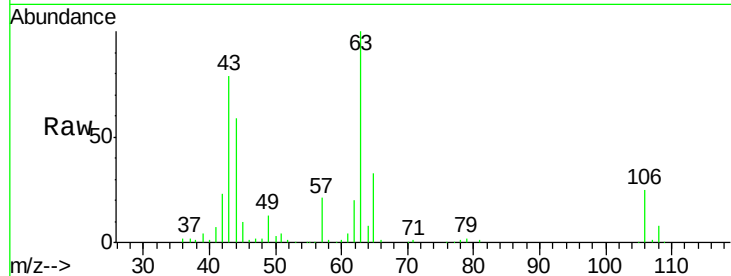
#55
2-Chloroethyl vinyl ether
Concen: 83.705 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.6	38.4
106	23.6	19.5	29.3

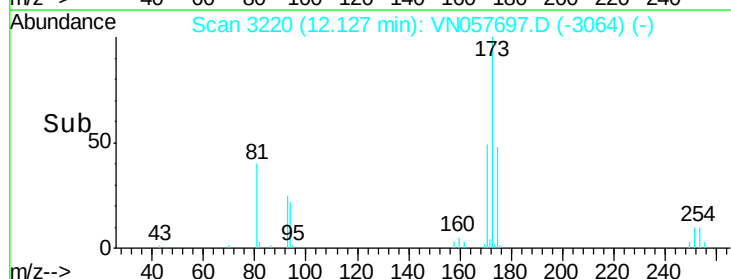
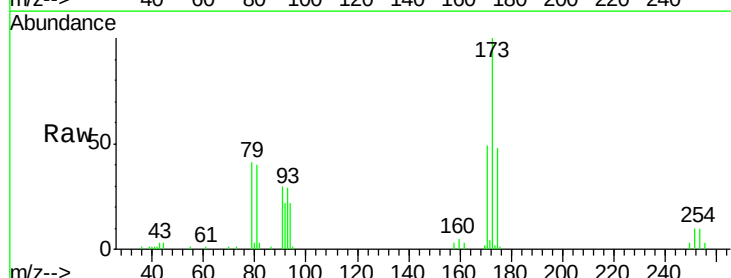
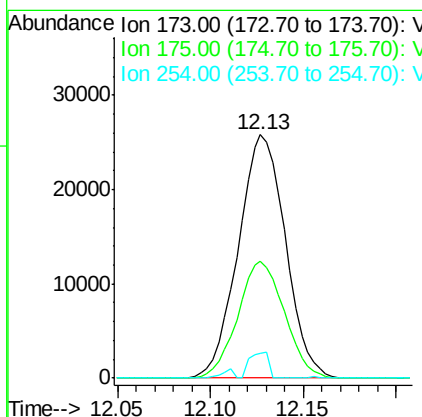
Manual Integrations
APPROVED

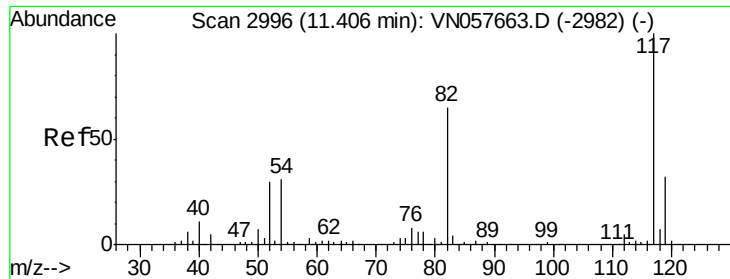
MMDadoda
9/6/2019 8:26:16 AM



#56
Bromoform
Concen: 17.666 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	38.8	58.2
254	4.2	7.2	10.8





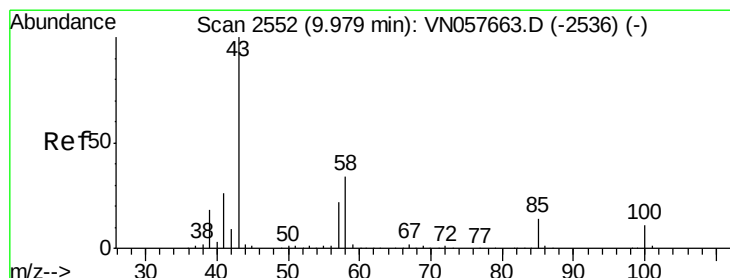
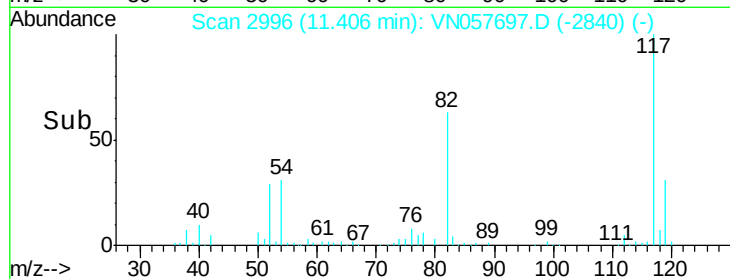
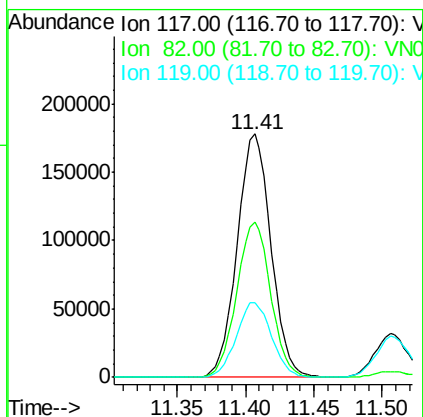
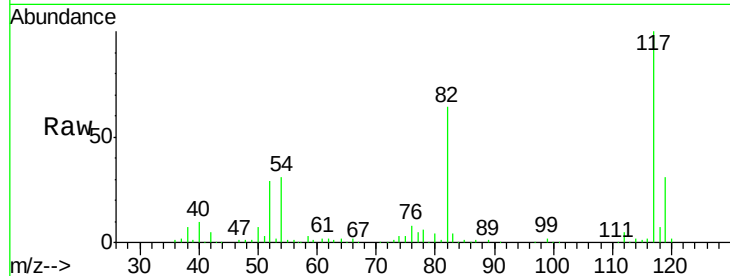
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.2	76.8
119	31.9	25.8	38.6

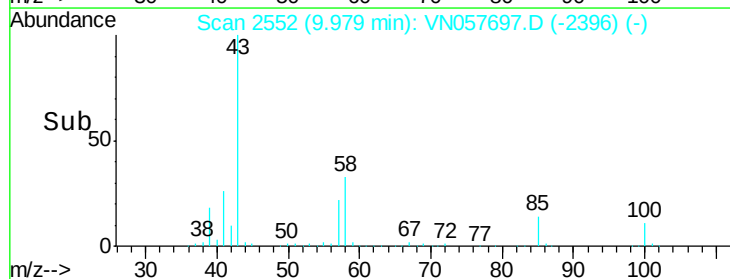
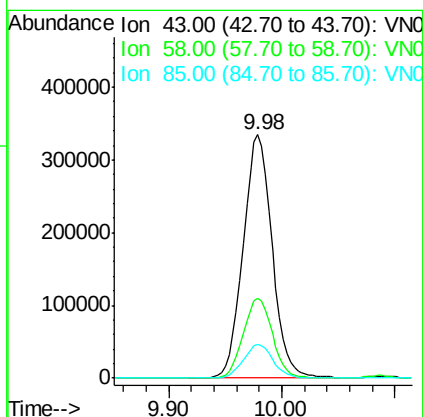
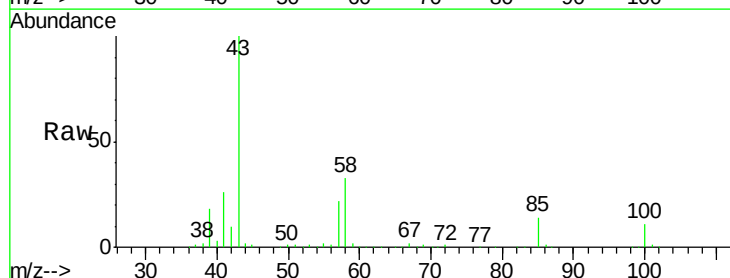
Manual Integrations
APPROVED

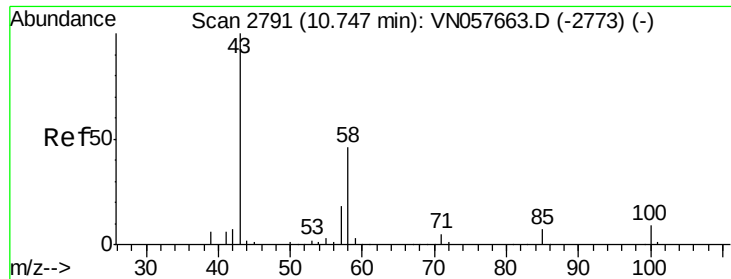
MMDadoda
9/6/2019 8:26:16 AM



#58
4-Methyl-2-Pentanone
Concen: 110.199 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.7	40.1
85	14.2	11.2	16.8





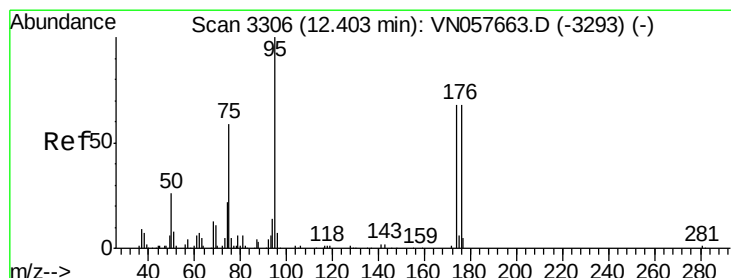
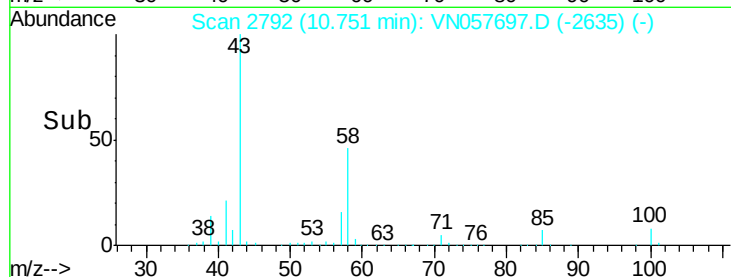
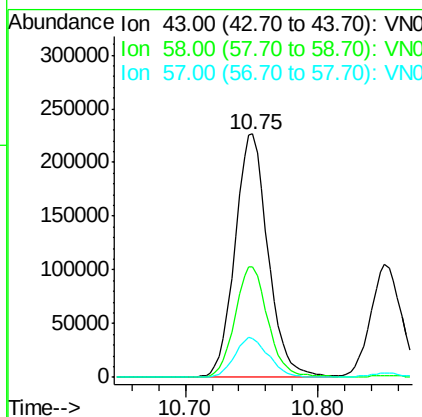
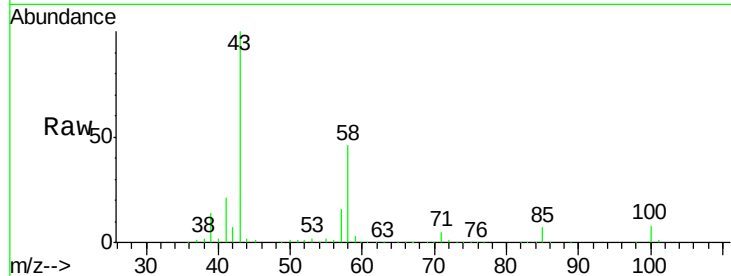
#59
2-Hexanone
Concen: 102.064 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.6	36.1	54.1
57	16.8	14.1	21.1

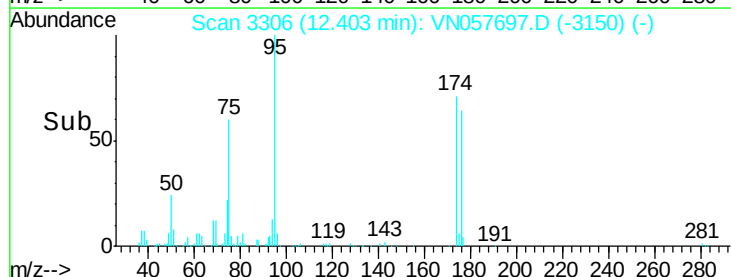
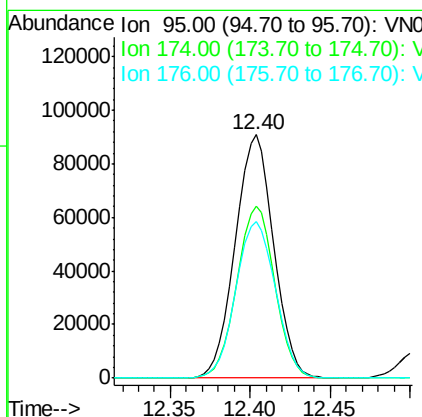
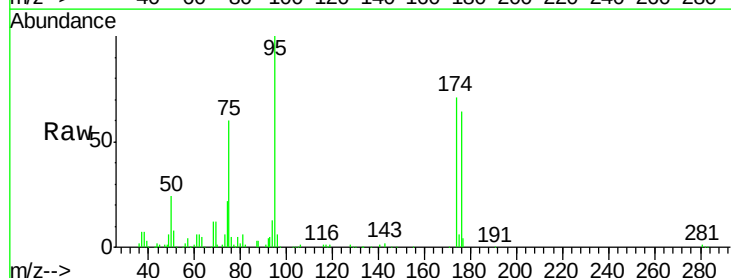
Manual Integrations
APPROVED

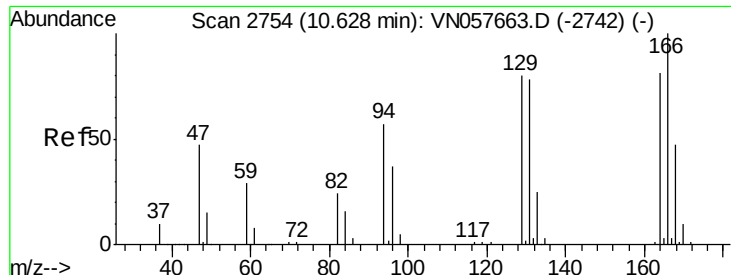
MMDadoda
9/6/2019 8:26:16 AM



#60
4-Bromofluorobenzene
Concen: 28.439 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.8	55.0	82.6
176	66.5	53.7	80.5





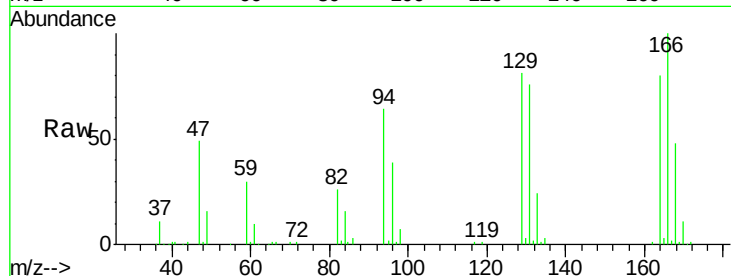
#61
Tetrachloroethene
Concen: 21.188 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.4	99.4	149.2
129	101.0	78.8	118.2
131	95.7	78.2	117.2

Manual Integrations
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MMDadoda
9/6/2019 8:26:16 AM



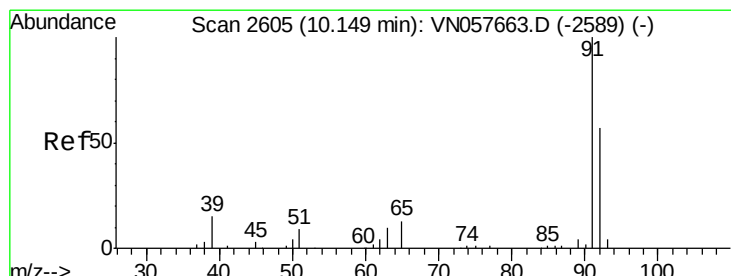
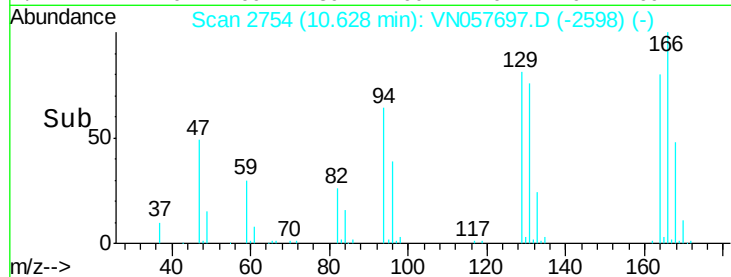
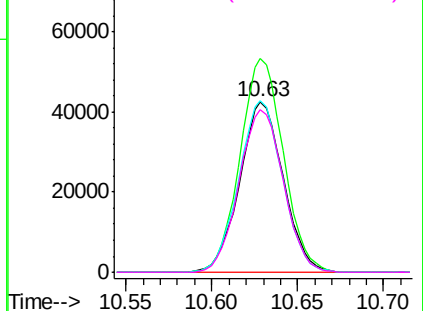
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

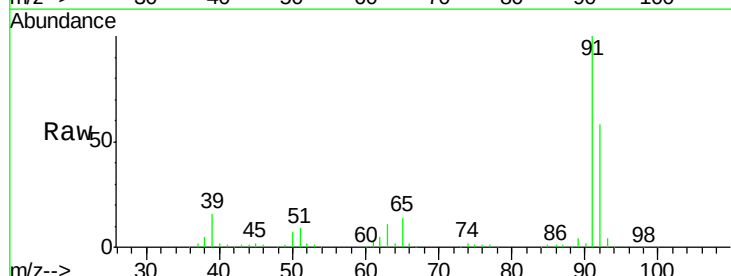
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 21.258 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

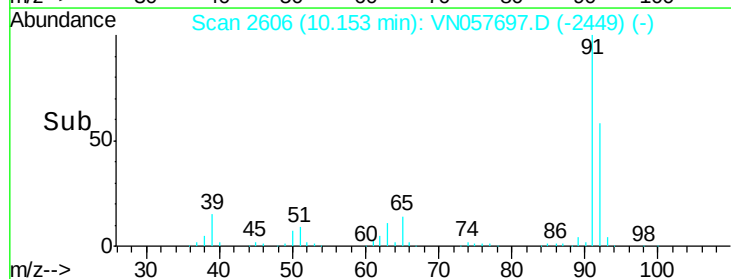
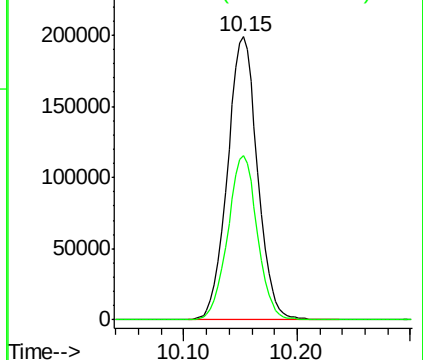
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	46.1	69.1

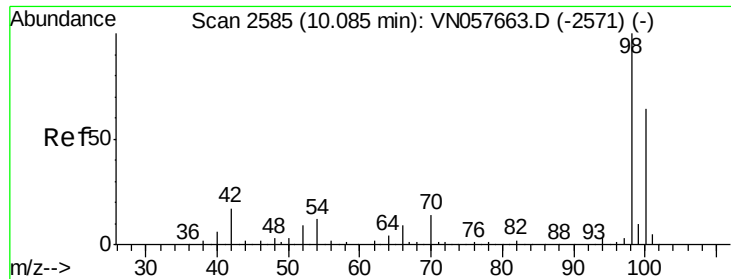


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





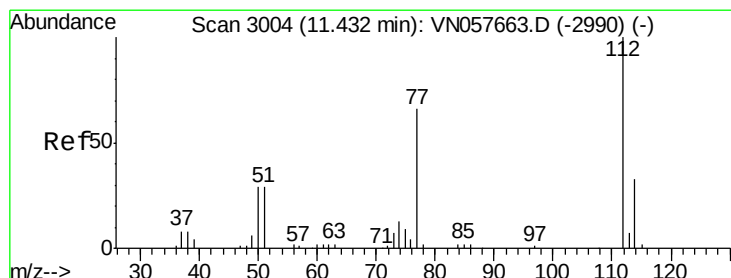
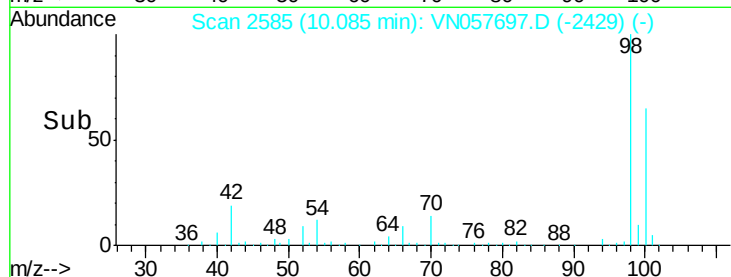
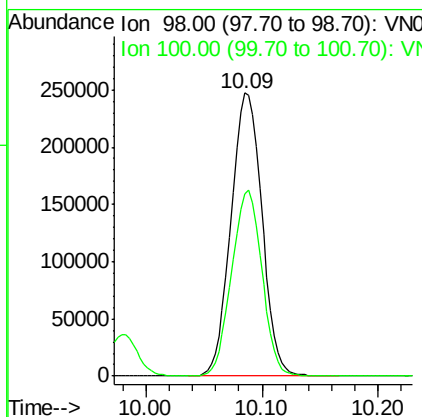
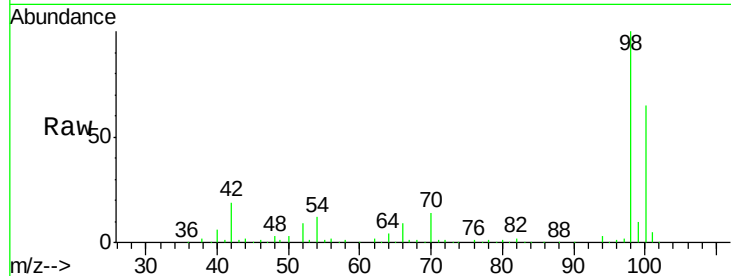
#63
Toluene-d8
Concen: 30.996 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion: 98 Resp: 457504
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.6

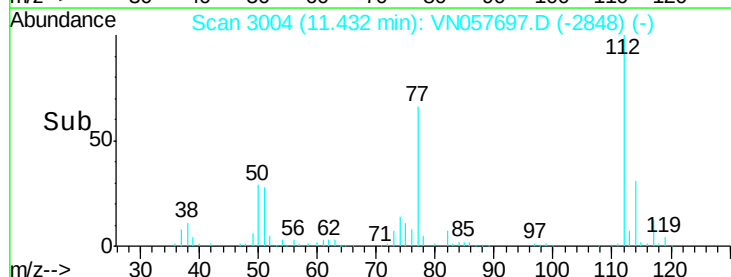
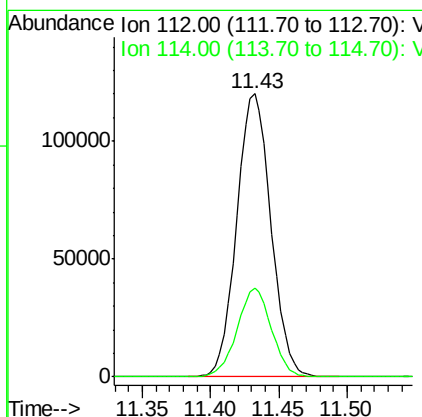
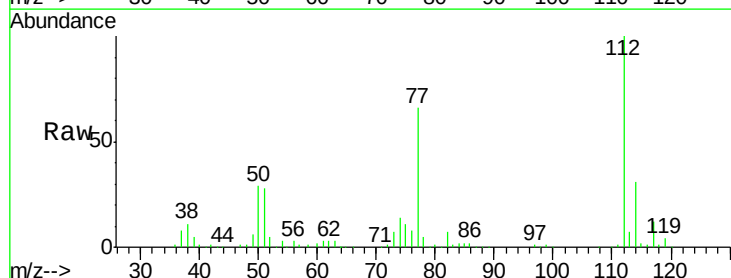
Manual Integrations
APPROVED

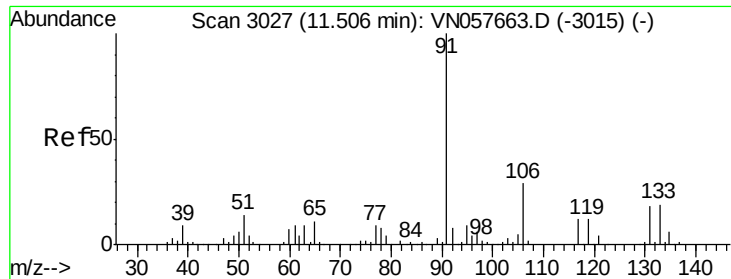
MMDadoda
9/6/2019 8:26:16 AM



#64
Chlorobenzene
Concen: 20.685 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion: 112 Resp: 209032
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.750 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

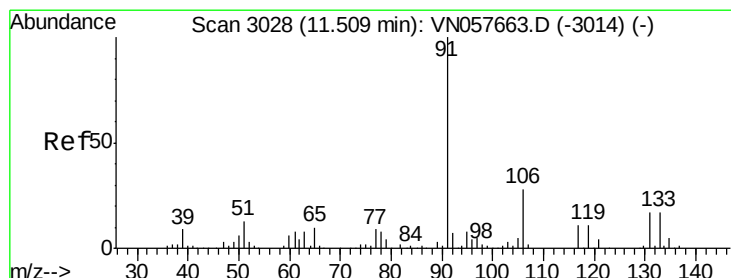
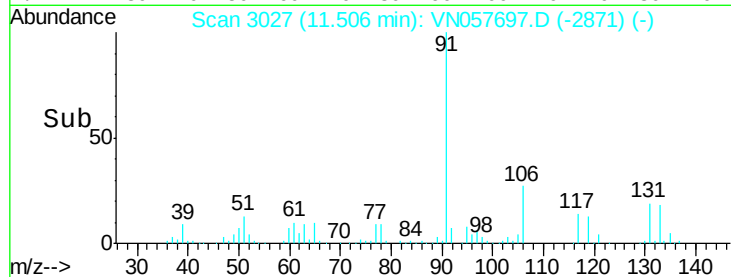
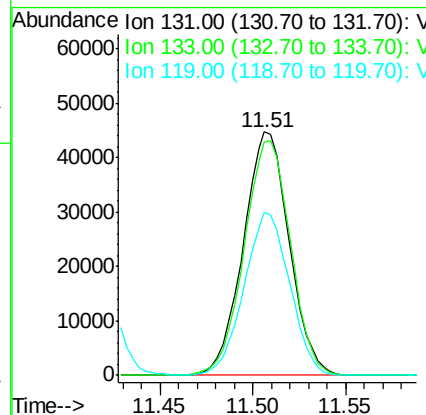
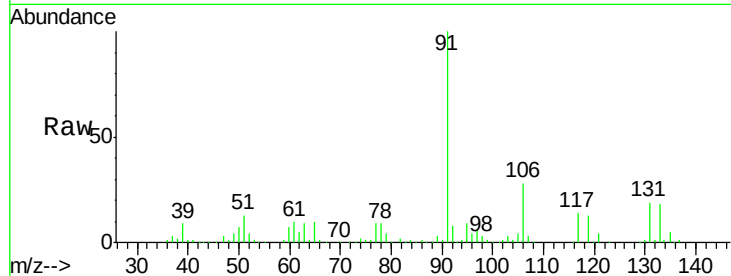
ClientSampleId :

VN0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	76818		
133	97.1	0.0	198.0	
119	66.3	0.0	129.8	

Manual Integrations
APPROVED

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#66

Ethyl Benzene

Concen: 21.305 ug/l

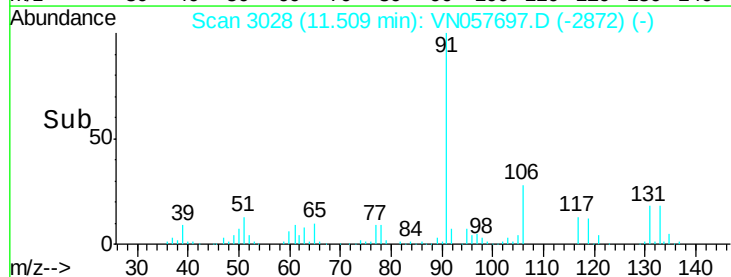
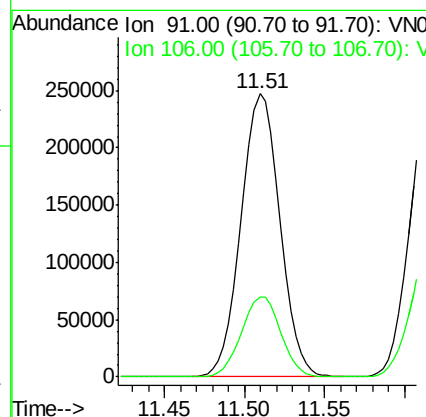
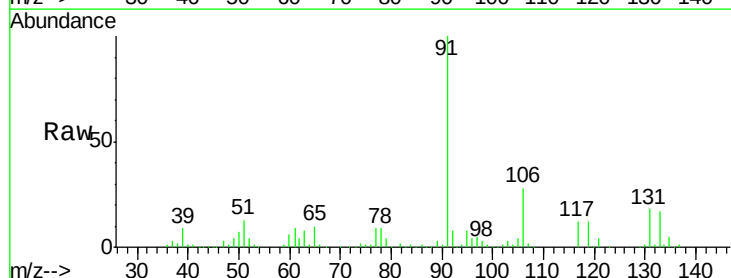
RT: 11.51 min Scan# 3028

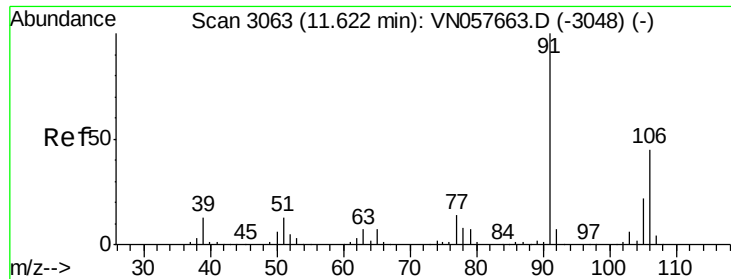
Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	409853		
106	28.4	22.7	34.1	





#67

m/p-Xylenes

Concen: 41.026 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0905WBS01

Tot Ion:106 Resp: 276796

Ion Ratio Lower Upper

106 100

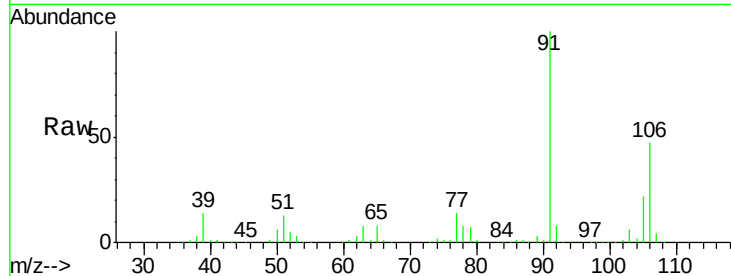
91 219.5 178.9 268.3

Manual Integrations

APPROVED

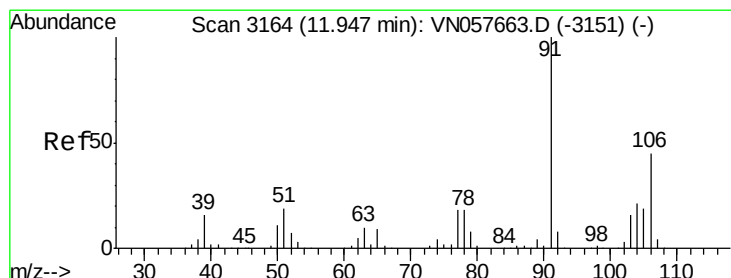
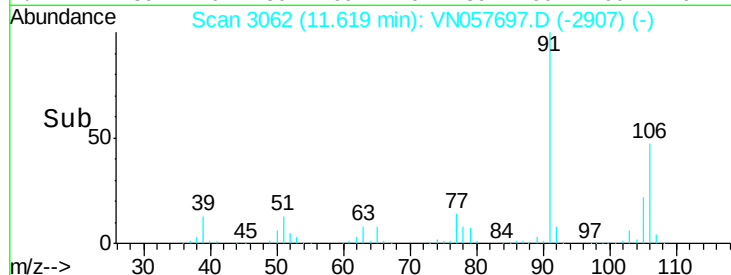
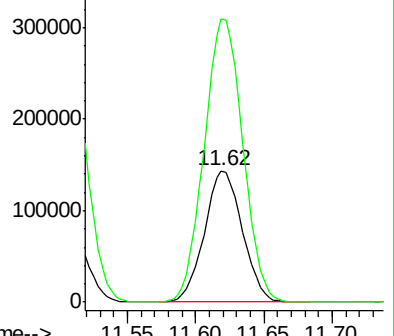
MMDadoda

9/6/2019 8:26:16 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.201 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057697.D

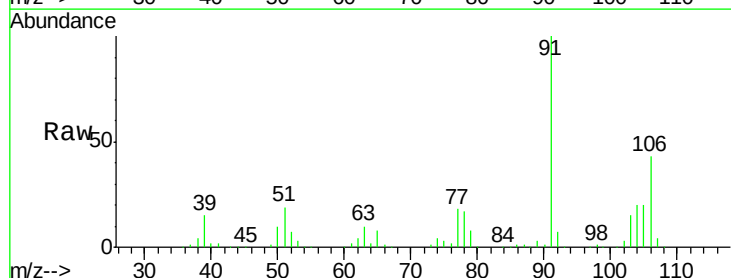
Acq: 5 Sep 2019 11:47

Tgt Ion:106 Resp: 135712

Ion Ratio Lower Upper

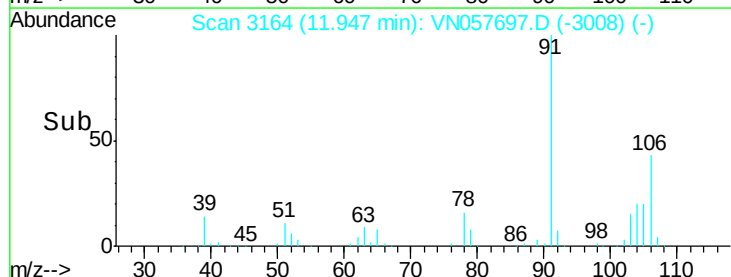
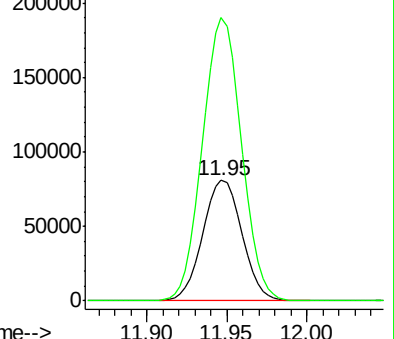
106 100

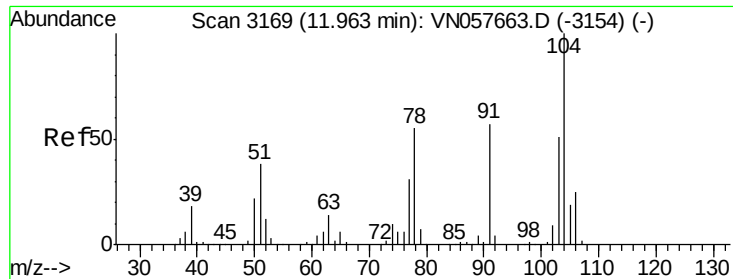
91 232.6 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





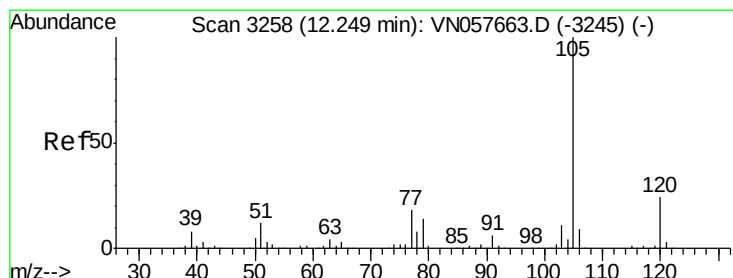
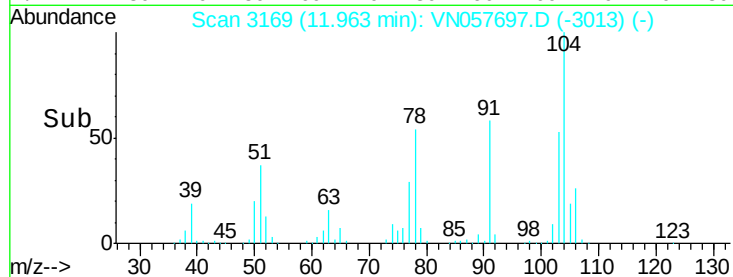
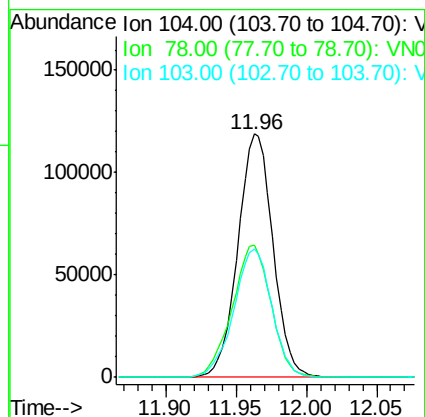
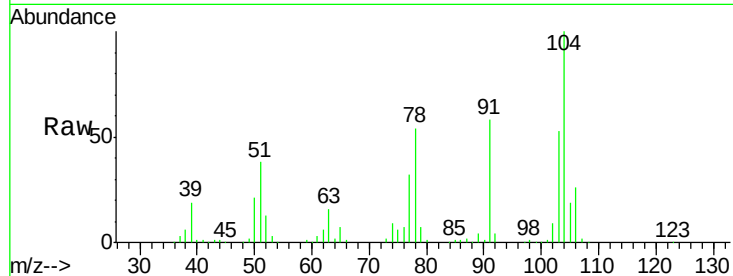
#69
Stvrene
Concen: 19.282 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.9	49.0	73.6
103	56.8	44.9	67.3

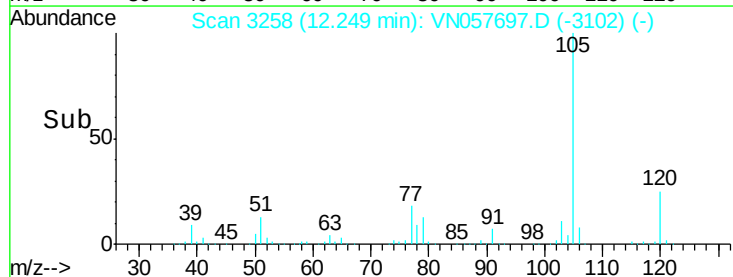
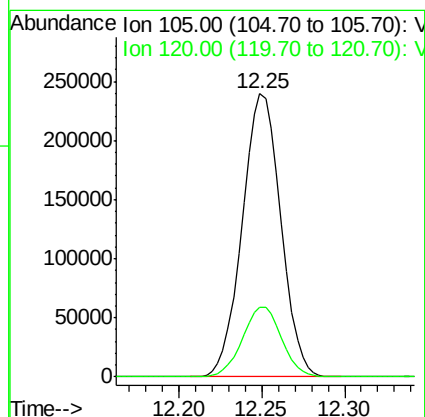
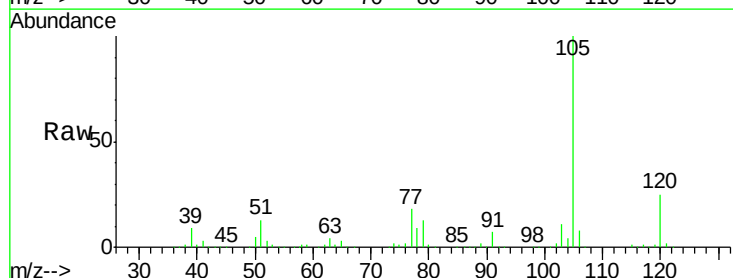
Manual Integrations
APPROVED

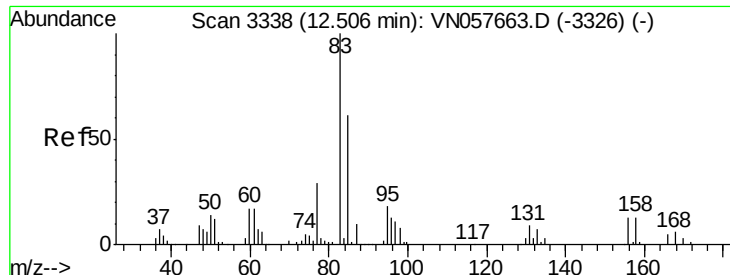
MMDadoda
9/6/2019 8:26:16 AM



#70
Isopropylbenzene
Concen: 21.005 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	17.2	32.0





#71

1,1,2,2-Tetrachloroethane

Concen: 20.464 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

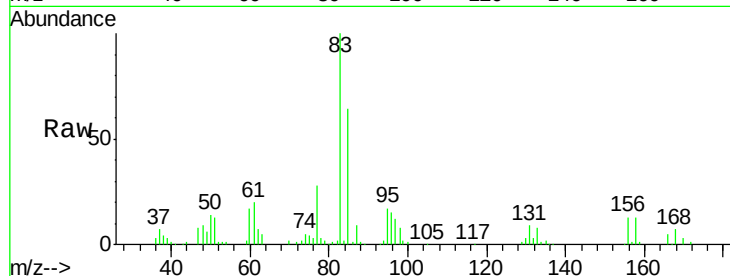
ClientSampleId :

VN0905WBS01

Tot Ion:	83	Resp:	99214
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.3	31.7	95.1

Manual Integrations
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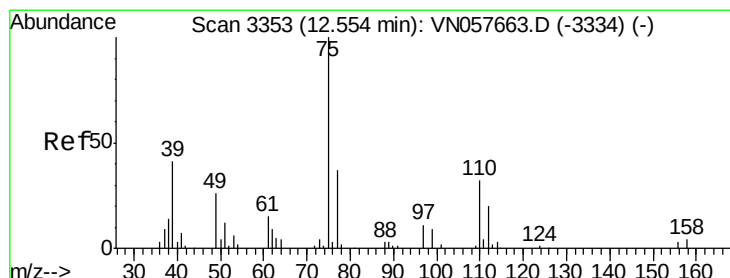
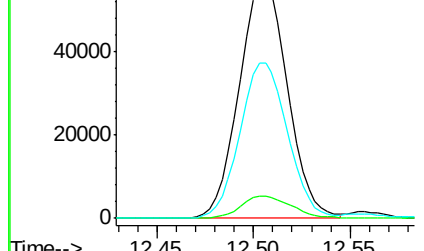
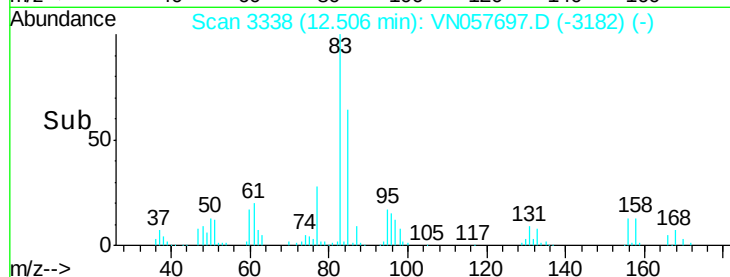


Abundance Ion 83.00 (82.70 to 83.70): VN057663.D (-3326) (-)

Ion 131.00 (130.70 to 131.70): VN057663.D (-3326) (-)

Ion 85.00 (84.70 to 85.70): VN057663.D (-3326) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 20.040 ug/l m

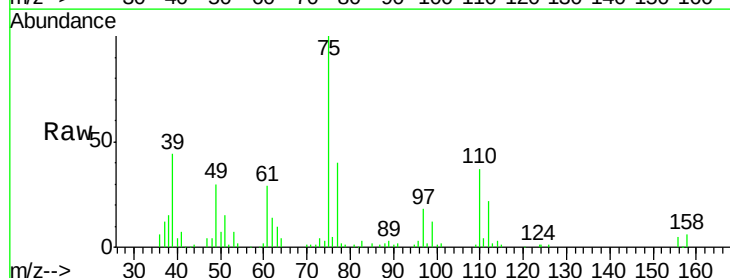
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

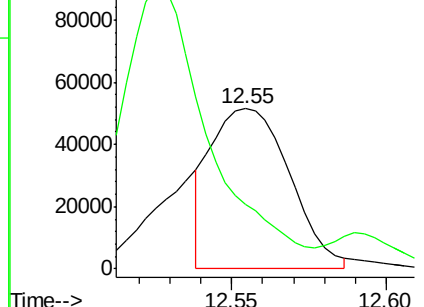
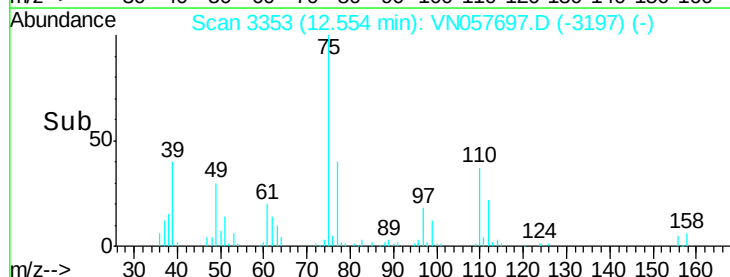
Tgt Ion:	75	Resp:	91374
Ion Ratio	Lower	Upper	
75	100		
77	199.5	0.0	405.6

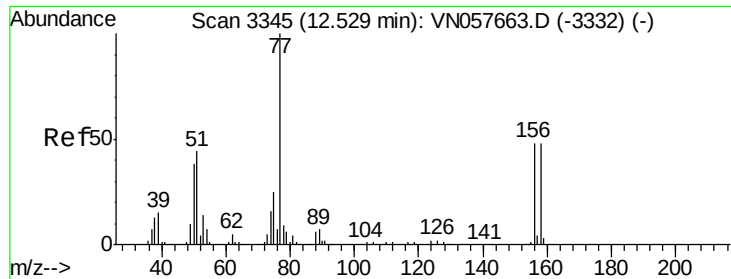


Abundance Ion 75.00 (74.70 to 75.70): VN057663.D (-3334) (-)

Ion 77.00 (76.70 to 77.70): VN057663.D (-3334) (-)

Time-->





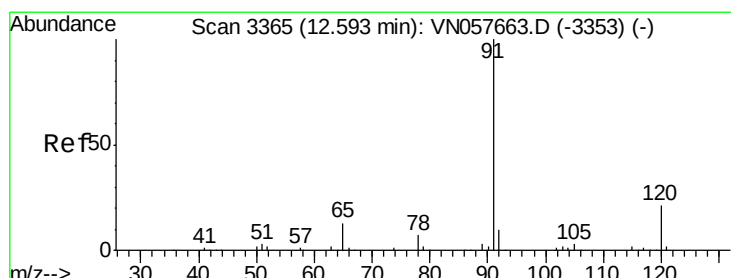
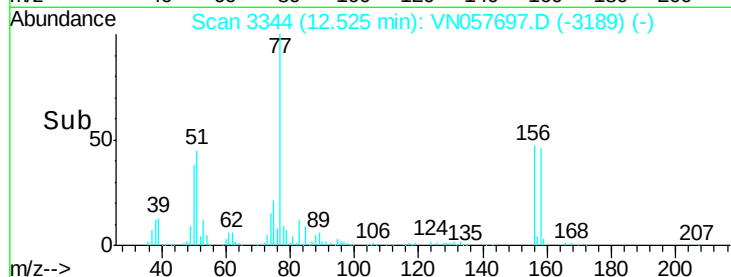
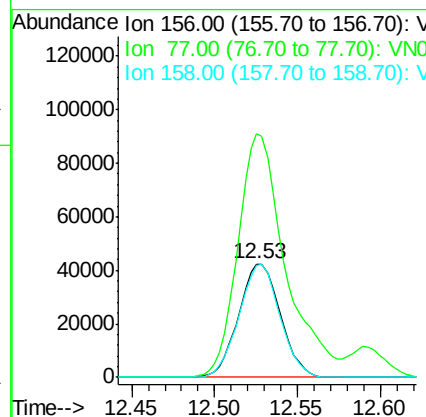
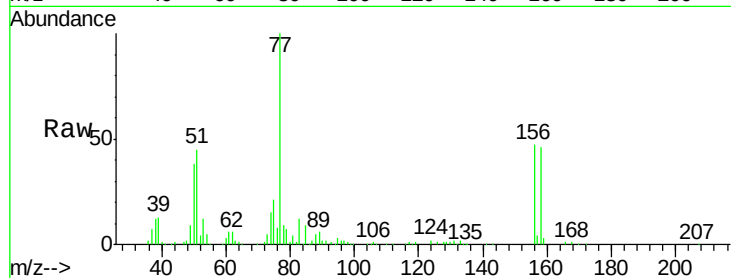
#73
Bromobenzene
Concen: 18.897 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	247.1	0.0	495.6
158	97.9	0.0	197.8

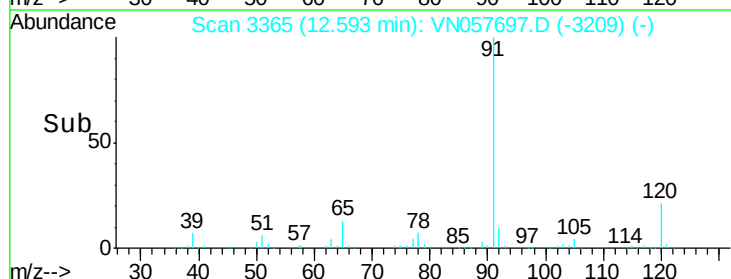
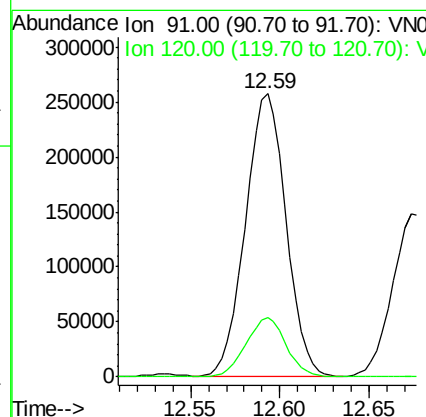
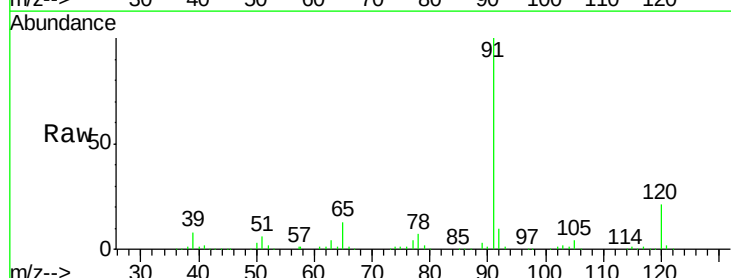
Manual Integrations
APPROVED

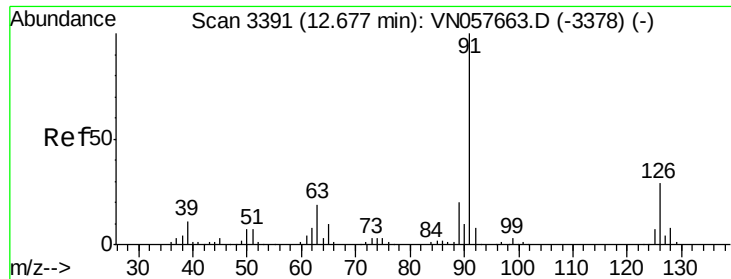
MMDadoda
9/6/2019 8:26:16 AM



#74
n-propylbenzene
Concen: 20.055 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	0.0	40.4





#75

2-Chlorotoluene

Concen: 19.908 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0905WBS01

Tot Ion: 91 Resp: 254229

Ion Ratio Lower Upper

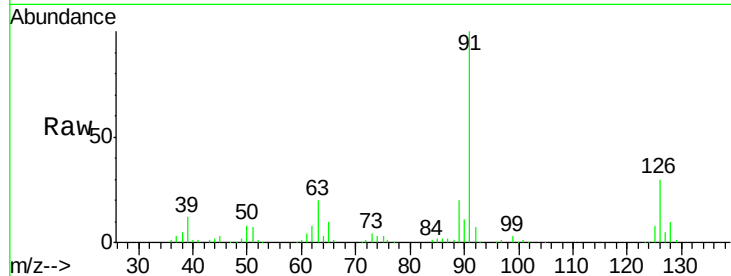
91 100

126 30.0 0.0 59.2

Manual Integrations
APPROVED

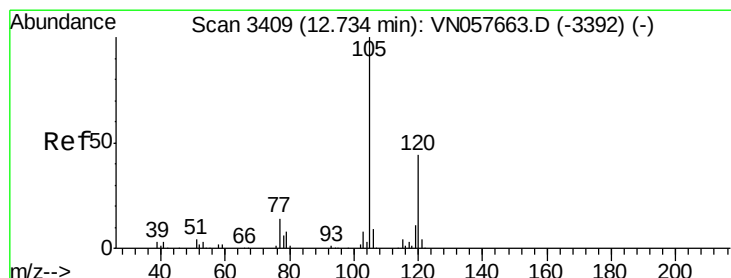
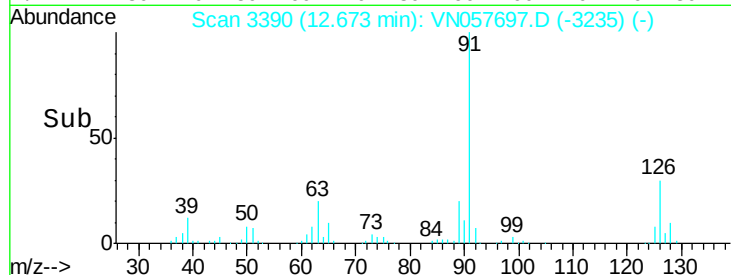
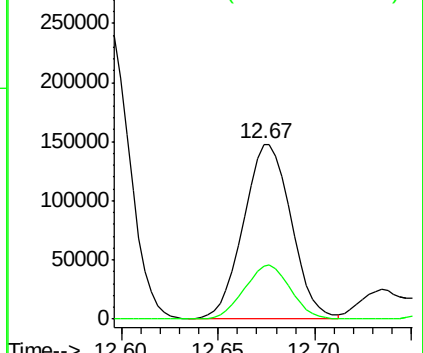
MMDadoda

9/6/2019 8:26:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.762 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057697.D

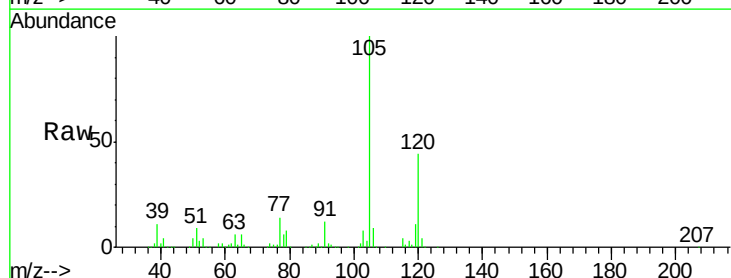
Acq: 5 Sep 2019 11:47

Tgt Ion: 105 Resp: 317604

Ion Ratio Lower Upper

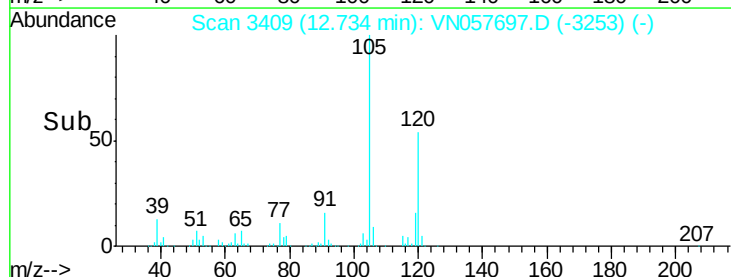
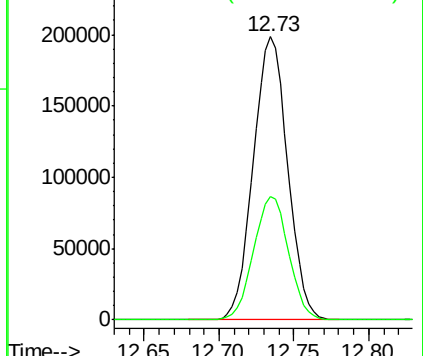
105 100

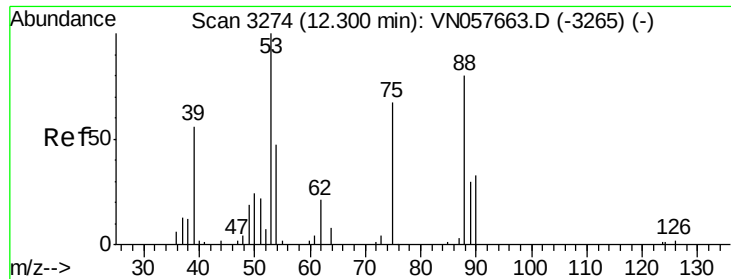
120 44.4 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)





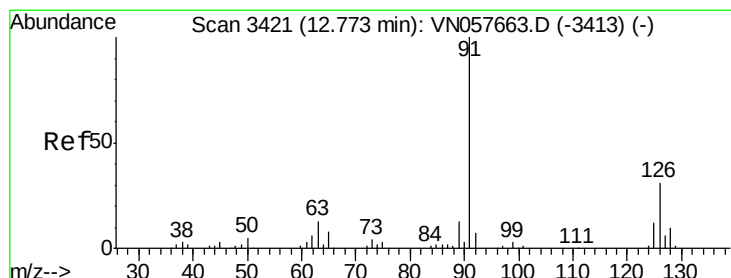
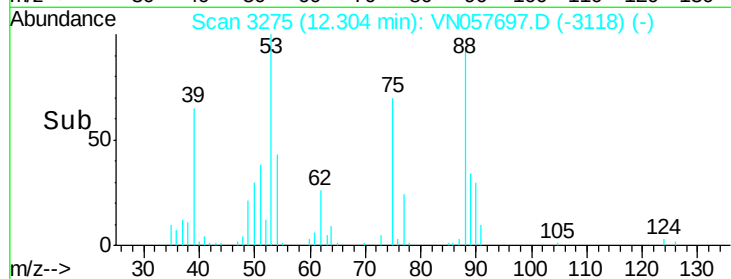
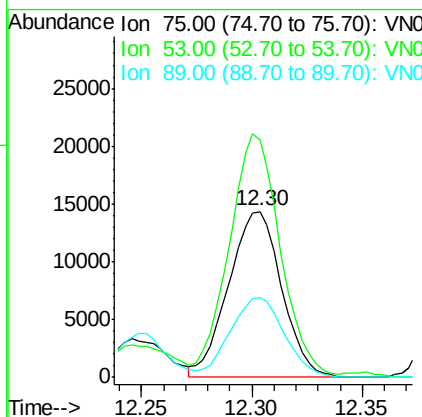
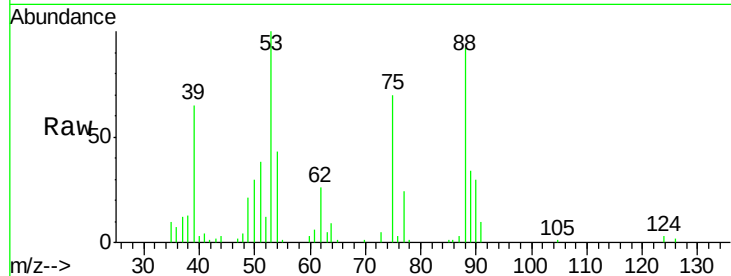
#77
t-1,4-Dichloro-2-butene
Concen: 17.217 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	140.7	74.2	222.6
89	48.1	23.3	69.9

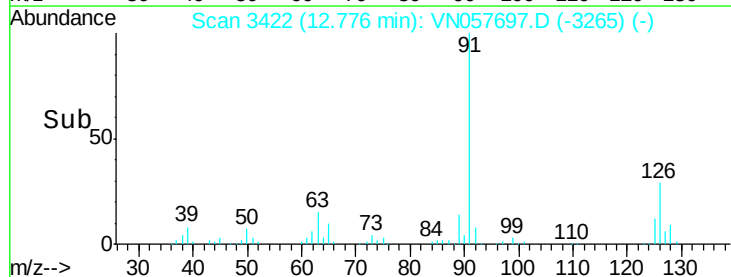
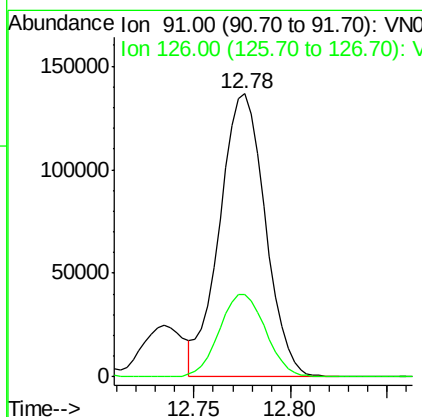
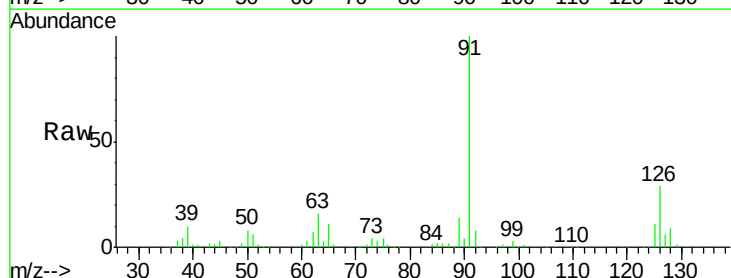
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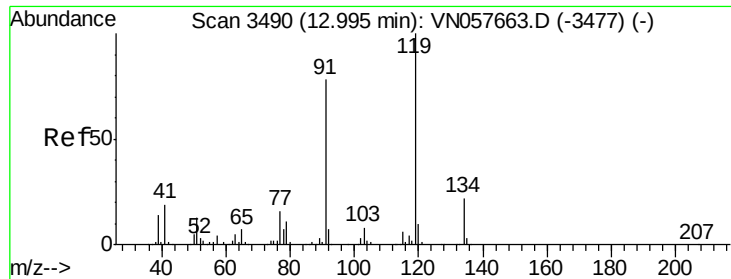
MMDadoda
9/6/2019 8:26:16 AM



#78
4-Chlorotoluene
Concen: 18.425 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	0.0	57.8





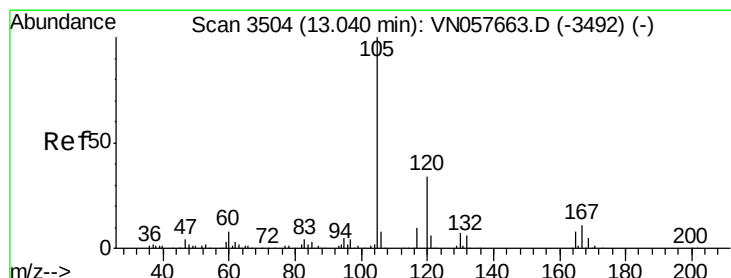
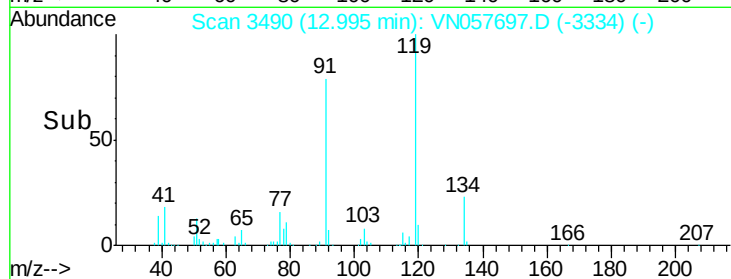
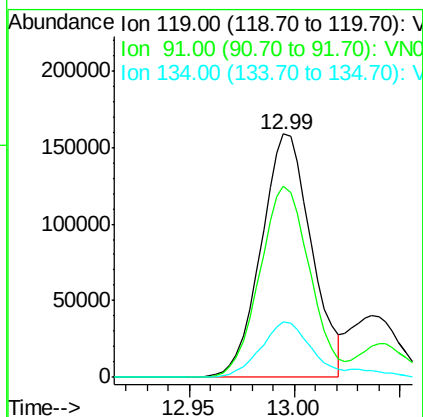
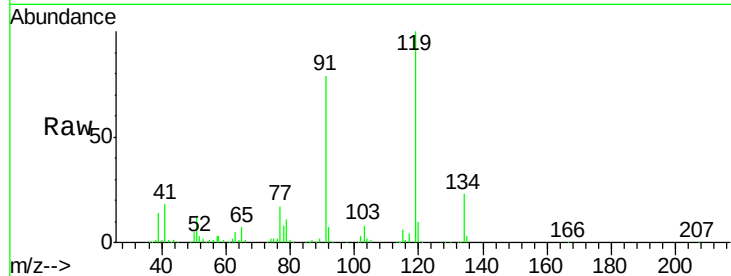
#79
tert-butylbenzene
Concen: 19.999 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262744		
91	78.3	0.0	155.6	
134	22.9	0.0	48.2	

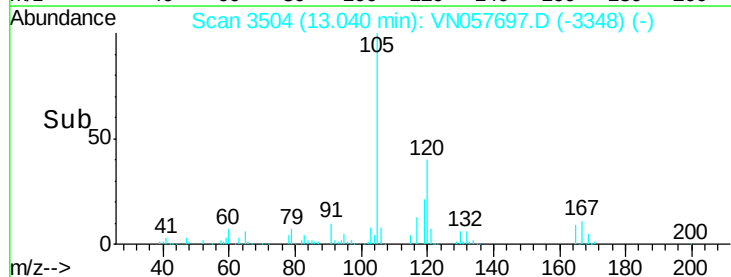
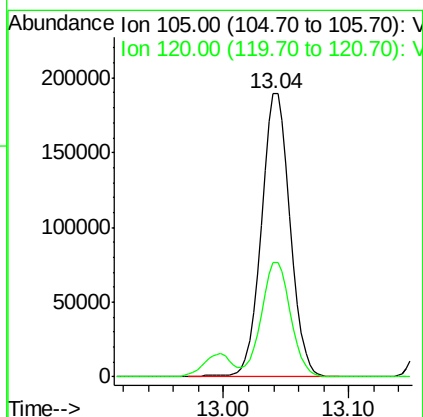
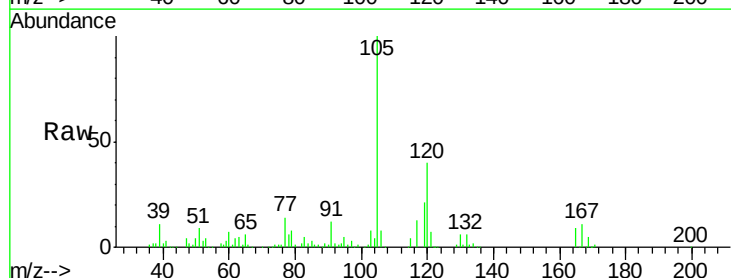
Manual Integrations
APPROVED

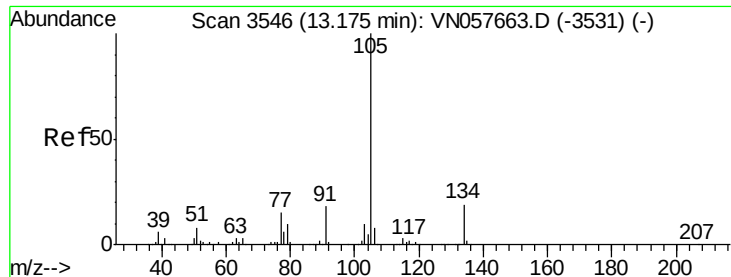
MMDadoda
9/6/2019 8:26:16 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.980 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	301556		
120	41.1	0.0	83.4	





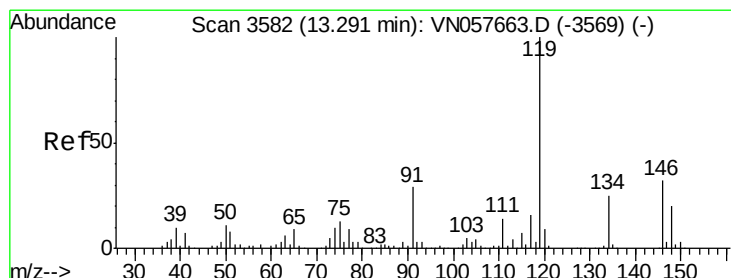
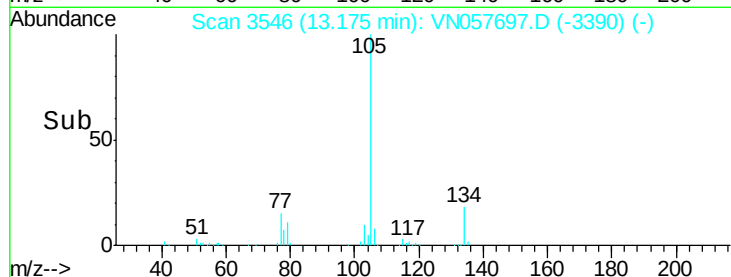
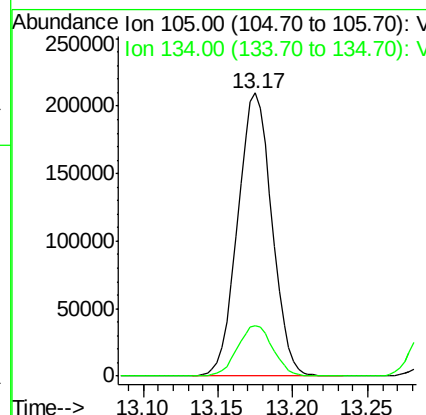
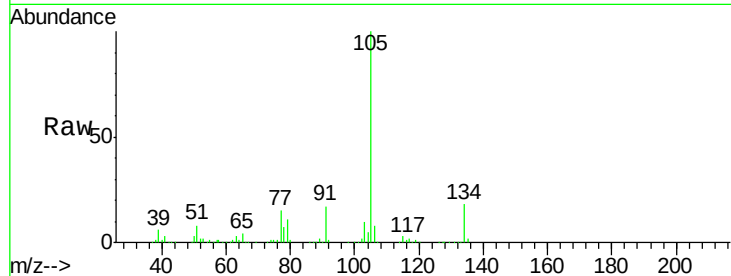
#81
 sec-Butylbenzene
 Concen: 19.722 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	333912		
134	18.4	0.0	36.2	

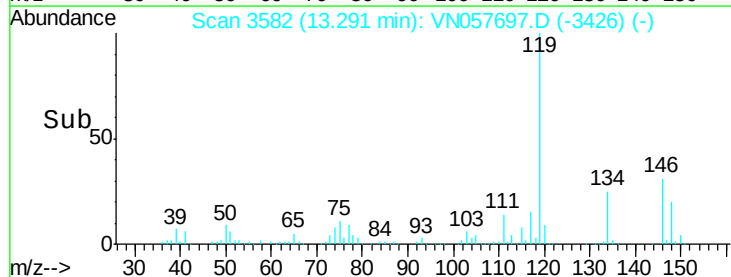
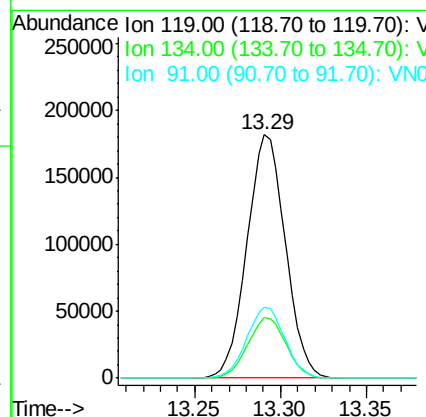
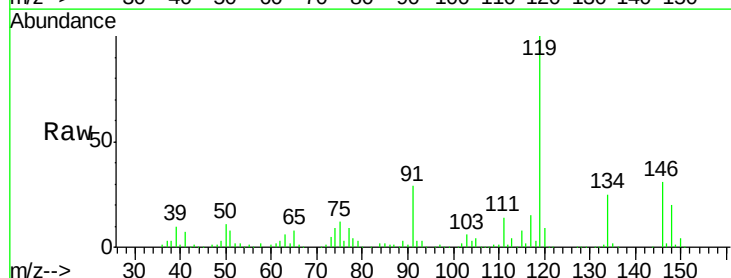
Manual Integrations
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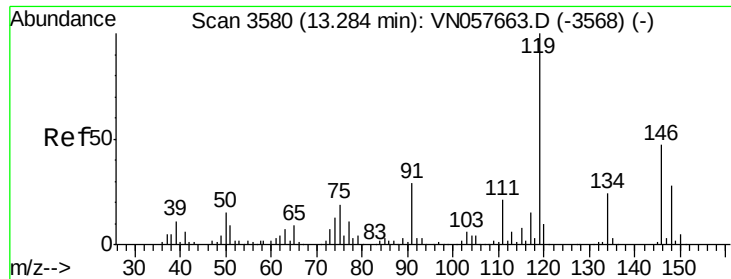
MMDadoda
 9/6/2019 8:26:16 AM



#82
 p-Isopropyltoluene
 Concen: 19.623 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	282179		
134	24.8	0.0	49.6	
91	29.0	0.0	56.2	





#83

1,3-Dichlorobenzene

Concen: 17.723 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

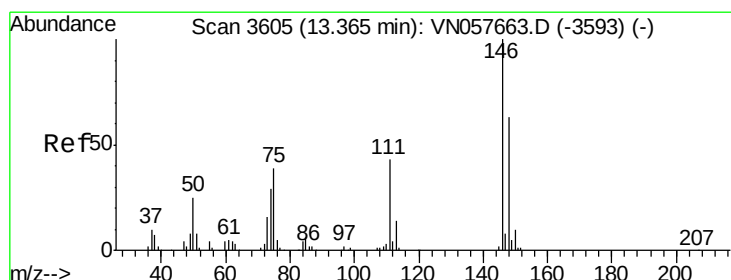
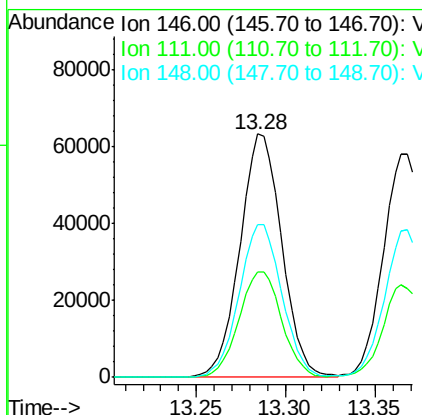
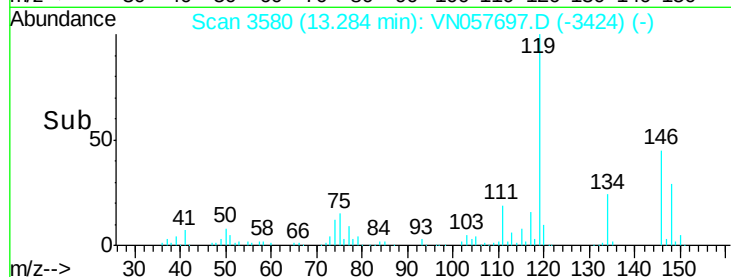
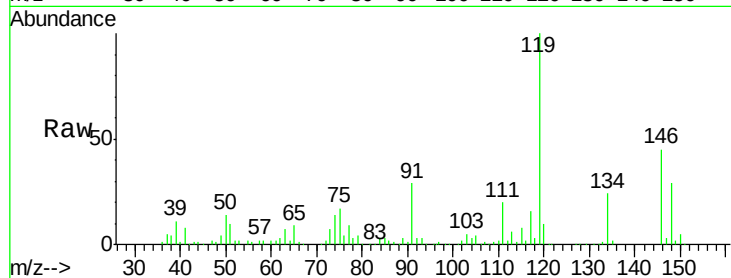
ClientSampled :

VN0905WBS01

Tot Ion:	146	Resp:	103644
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.1	66.3
148	64.1	31.3	93.9

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 17.634 ug/l

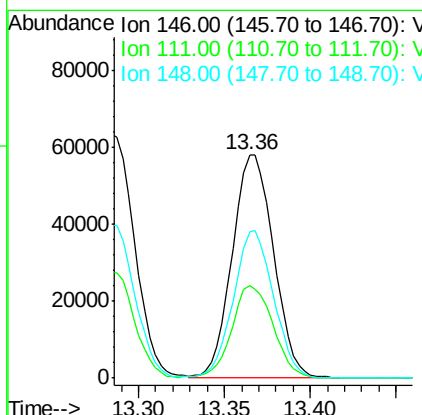
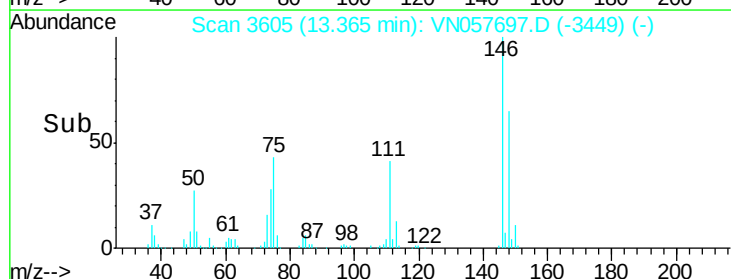
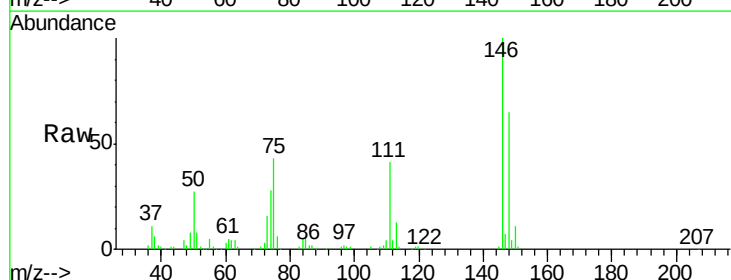
RT: 13.36 min Scan# 3605

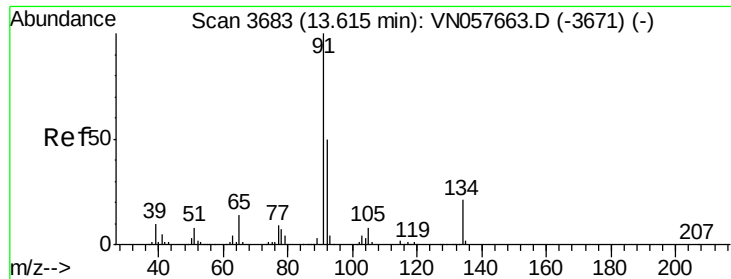
Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Tgt Ion:	146	Resp:	97353
Ion Ratio	Lower	Upper	
146	100		
111	41.1	21.3	63.9
148	63.9	31.0	93.0





#85

n-Butylbenzene

Concen: 19.555 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Instrument :

MSVOA_N

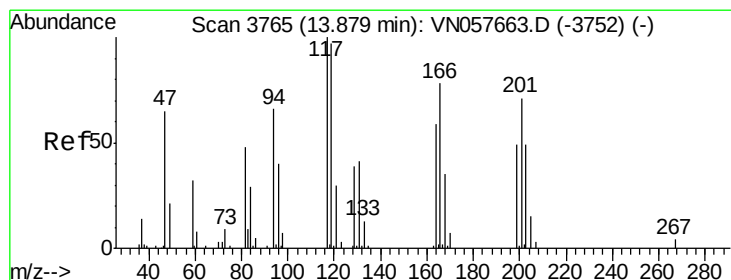
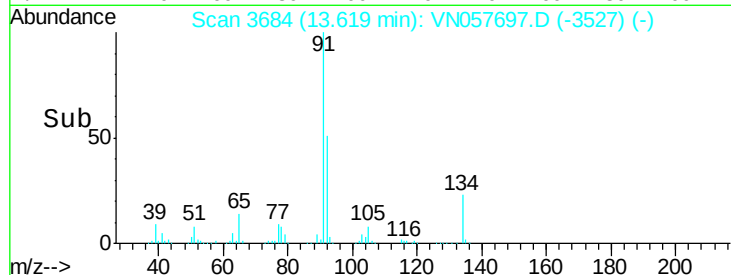
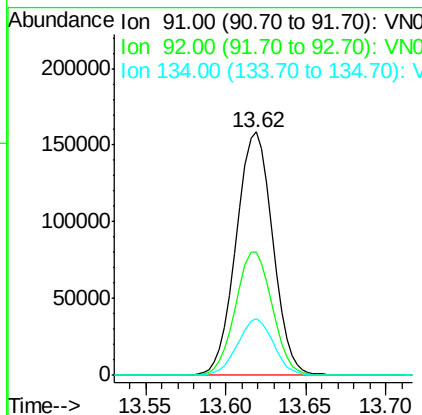
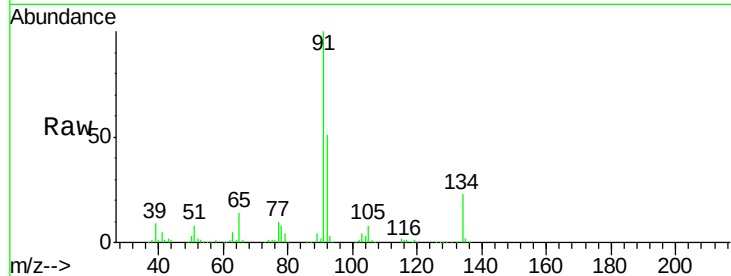
ClientSampleId :

VN0905WBS01

Tot Ion:	91	Resp:	247174
Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	100.2
134	22.7	0.0	43.8

Manual Integrations
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#86

Hexachloroethane

Concen: 19.887 ug/l

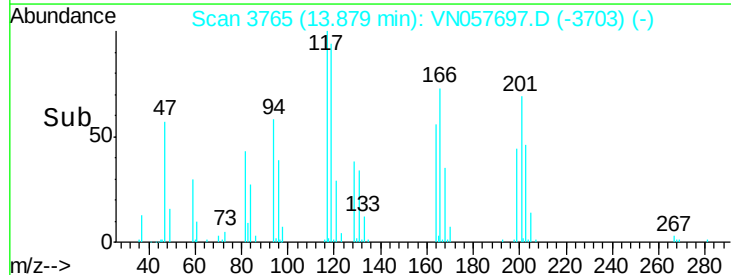
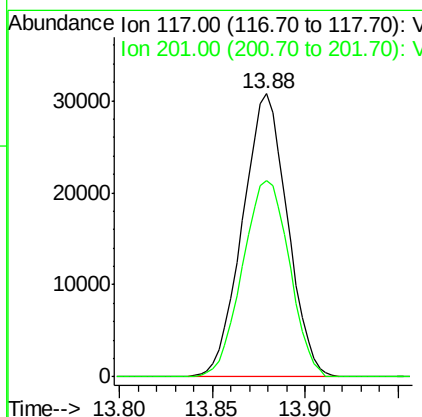
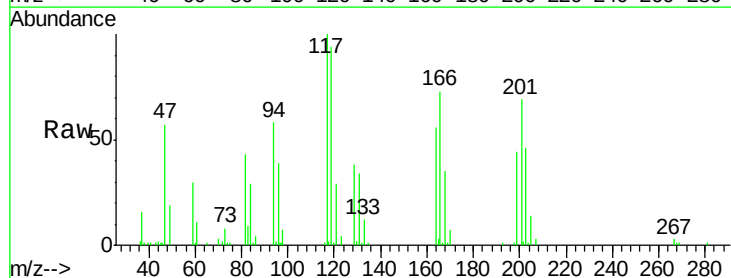
RT: 13.88 min Scan# 3765

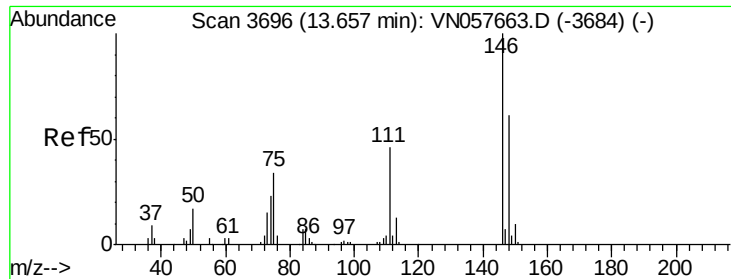
Delta R.T. 0.00 min

Lab File: VN057697.D

Acq: 5 Sep 2019 11:47

Tgt Ion:	117	Resp:	51750
Ion	Ratio	Lower	Upper
117	100		
201	72.3	34.1	102.2





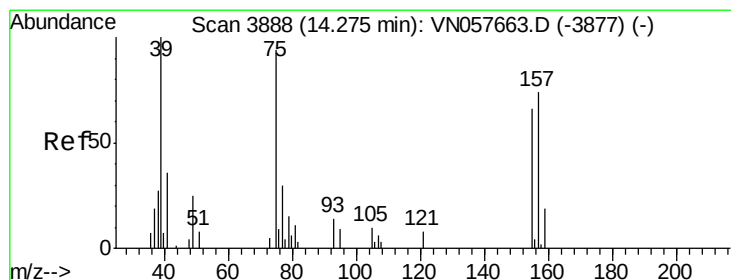
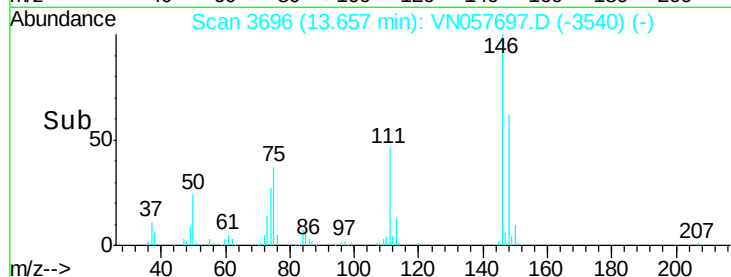
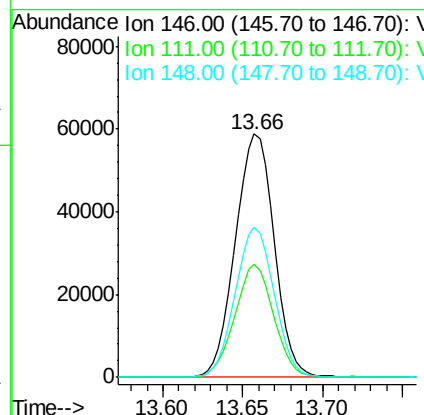
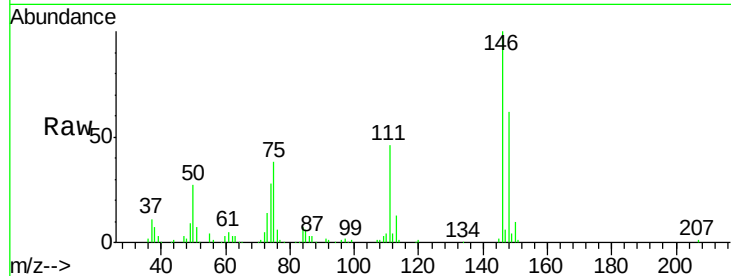
#87
 1,2-Dichlorobenzene
 Concen: 18.056 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0905WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.6	67.7
148	61.8	31.3	93.9

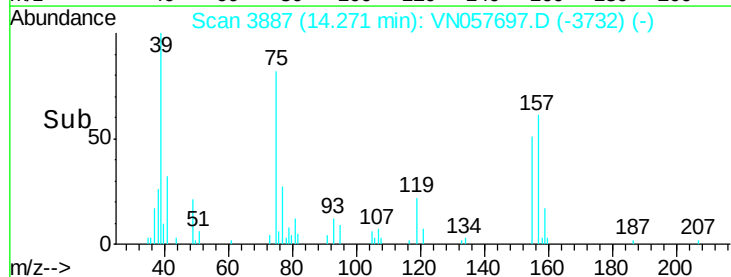
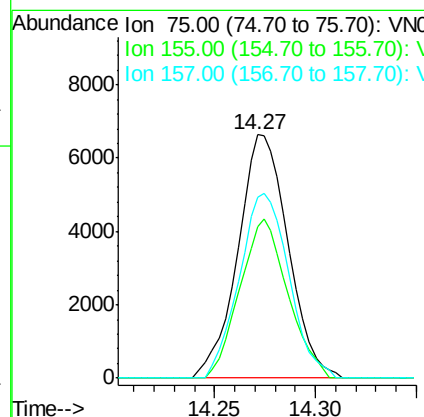
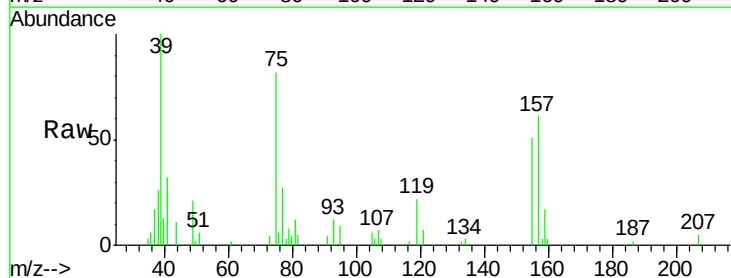
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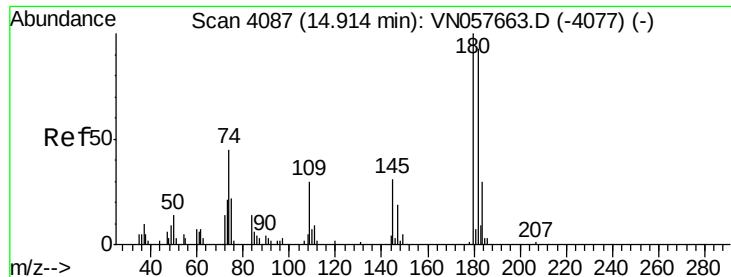
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.287 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.2	54.6	82.0
157	74.9	65.5	98.3





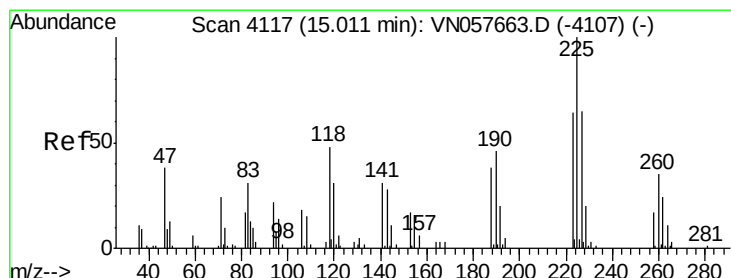
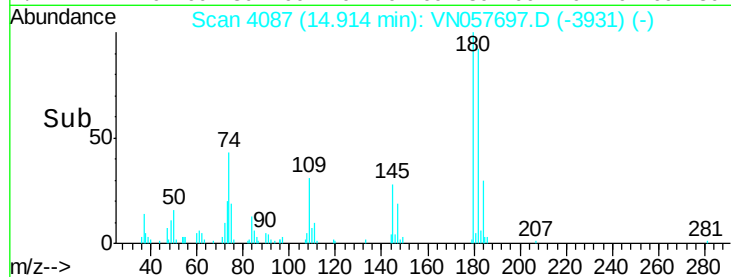
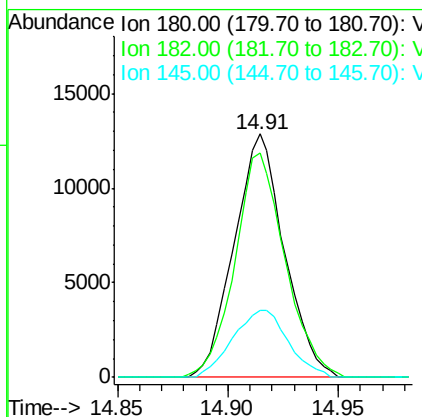
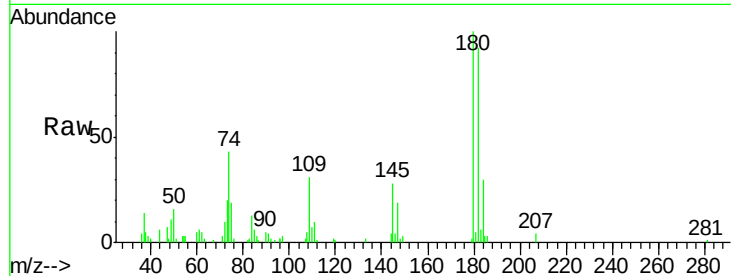
#89
 1,2,4-Trichlorobenzene
 Concen: 10.874 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	77.4	116.2
145	30.5	25.1	37.7

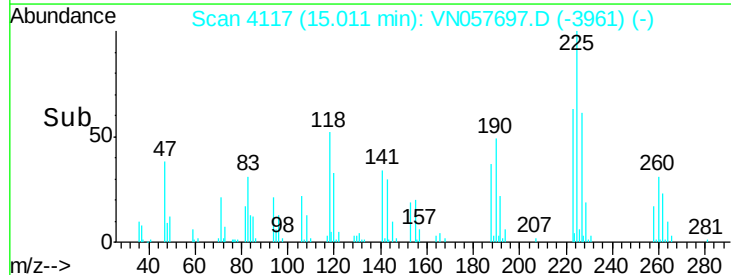
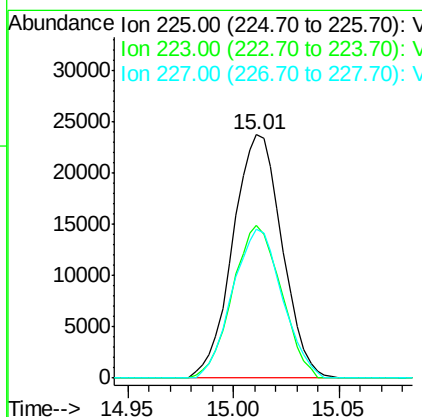
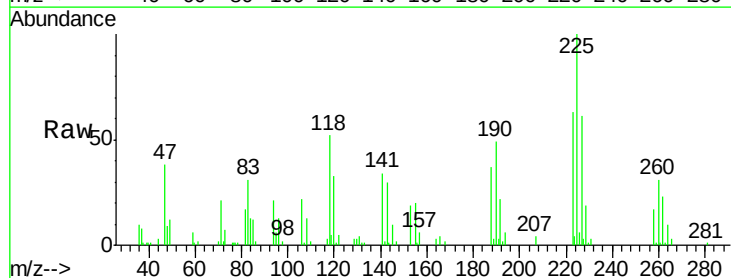
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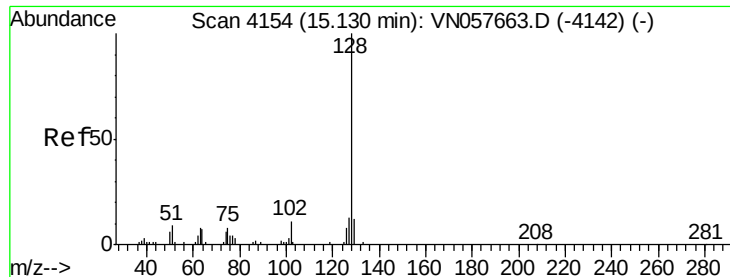
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 9/6/2019 8:26:16 AM



#90
 Hexachlorobutadiene
 Concen: 18.557 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057697.D
 Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	131.0
227	61.9	0.0	128.6





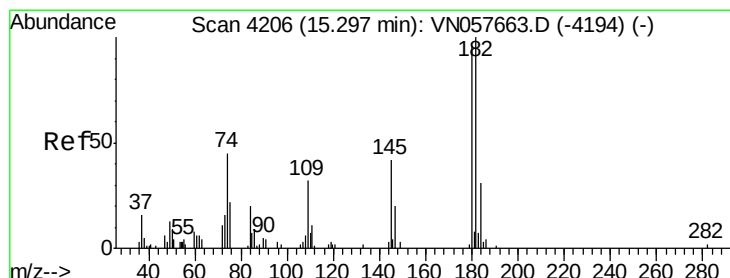
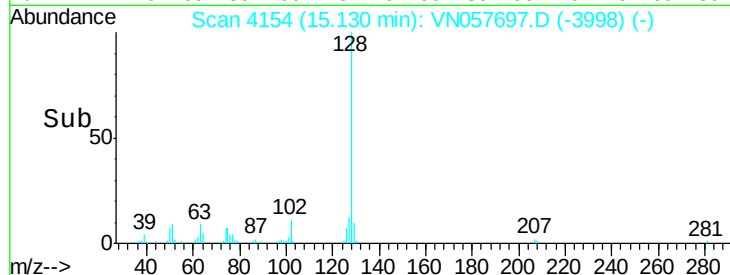
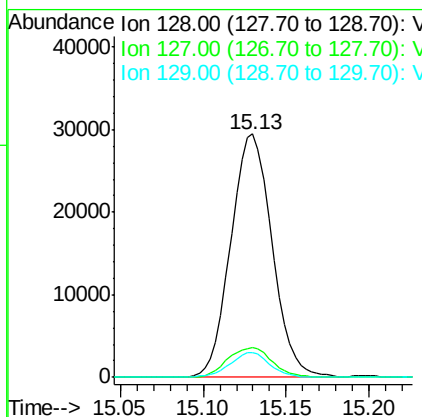
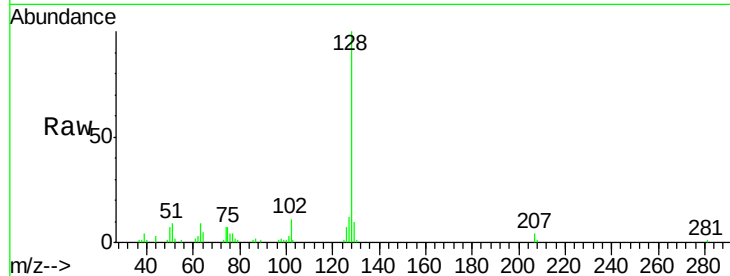
#91
Naphthalene
Concen: 10.533 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	9.7	9.1	13.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 10.439 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057697.D
Acq: 5 Sep 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	199.4
145	33.1	0.0	73.2

