

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058912.D
 Acq On : 22 Oct 2019 16:30
 Operator : JC/SP
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:09:57 PM

Quant Time: Oct 23 02:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57424	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	307535	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	151422	31.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.57%
60) 4-Bromofluorobenzene	12.40	95	146730	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	10.08	98	411988	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67827	21.800	ug/l 99
3) Chloromethane	2.04	50	89178	21.458	ug/l 99
4) Vinyl Chloride	2.17	62	91006	21.187	ug/l 99
5) Bromomethane	2.55	94	57501	21.682	ug/l 98
6) Chloroethane	2.68	64	59873	22.176	ug/l 99
7) Trichlorofluoromethane	3.00	101	116750	22.083	ug/l 98
8) Diethyl Ether	3.39	74	41628	20.644	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65297	21.345	ug/l 99
10) 1,1-Dichloroethene	3.72	96	61263	20.390	ug/l 93
11) Methyl Iodide	3.93	142	83376	19.926	ug/l 97
12) Methyl Acetate	4.30	43	100507	20.908	ug/l 98
13) Acrolein	3.59	56	56991	107.300	ug/l 97
14) Acrylonitrile	4.96	53	194053	102.451	ug/l 98
15) Acetone	3.80	58	63927	113.701	ug/l 97
16) Carbon Disulfide	4.03	76	181813	20.747	ug/l 99
17) Allyl chloride	4.30	41	114780	19.194	ug/l 95
18) Methylene Chloride	4.53	84	78370	21.540	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	68352	20.897	ug/l 92
20) Diisopropyl ether	5.93	45	261679	21.477	ug/l 96
21) 1,1-Dichloroethane	5.82	63	142801	21.165	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	78081	20.021	ug/l 96
23) tert-Butyl Alcohol	4.76	59	67677	87.355	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	225204	20.092	ug/l # 82
25) Chloroform	7.35	83	142531	21.182	ug/l 98
26) Cyclohexane	7.64	56	117959	19.919	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	101724	21.013	ug/l 99
30) 2-Butanone	6.82	43	280089	102.384	ug/l 99
31) 2,2-Dichloropropane	6.80	77	123766	21.691	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	121649	21.727	ug/l 99
33) Carbon Tetrachloride	7.76	117	105571	21.783	ug/l 99
34) Benzene	8.02	78	308668	21.658	ug/l 96
35) Methacrylonitrile	7.15	41	42570	17.615	ug/l 87
36) 1,2-Dichloroethane	8.11	62	122045	22.397	ug/l 99
37) Trichloroethene	8.82	130	75802	21.650	ug/l 96
38) Methylcyclohexane	9.07	83	110828	19.745	ug/l 97
39) 1,2-Dichloropropane	9.11	63	84498	21.695	ug/l 97
40) Dibromomethane	9.20	93	53080	21.588	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Manual Integrations
 APPROVED

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 10/23/2019 3:09:57 PM

Quant Time: Oct 23 02:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	111271	22.152	ug/l	99
42) Vinyl Acetate	5.87	43	1061994	110.844	ug/l	99
43) Ethyl Acetate	6.91	43	115096	21.435	ug/l	97
44) Isopropyl Acetate	8.15	43	178645	20.540	ug/l #	89
45) 1,4-Dioxane	9.19	88	24606	368.435	ug/l	96
46) Methyl methacrylate	9.19	41	81256	20.350	ug/l	98
47) n-amyl Acetate	12.07	43	145458	18.866	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	120566	20.696	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	128817	21.057	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	76279	21.732	ug/l	97
51) Ethyl methacrylate	10.43	69	108608	19.351	ug/l	96
52) 1,3-Dichloropropane	10.70	76	131704	21.069	ug/l	99
53) Dibromochloromethane	10.90	129	80734	21.432	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76836	21.119	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	260217	93.205	ug/l	100
56) Bromoform	12.13	173	55598	21.187	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	562093	106.203	ug/l	99
59) 2-Hexanone	10.75	43	409219	98.625	ug/l	99
61) Tetrachloroethene	10.63	164	65348	20.844	ug/l	94
62) Toluene	10.15	91	326150	20.899	ug/l	100
64) Chlorobenzene	11.43	112	193979	20.331	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	74560	20.841	ug/l	98
66) Ethyl Benzene	11.51	91	347880	20.132	ug/l	99
67) m/p-Xylenes	11.62	106	257235	39.844	ug/l	99
68) o-Xylene	11.95	106	121294	19.380	ug/l	97
69) Styrene	11.97	104	199650	19.309	ug/l	100
70) Isopropylbenzene	12.25	105	337841	19.994	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	115552	20.313	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	110112m	21.362	ug/l	
73) Bromobenzene	12.53	156	82503	20.102	ug/l	99
74) n-propylbenzene	12.59	91	400332	20.241	ug/l	99
75) 2-Chlorotoluene	12.68	91	241284	20.276	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	289187	19.982	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36178	18.424	ug/l	97
78) 4-Chlorotoluene	12.78	91	245184	19.991	ug/l	99
79) tert-butylbenzene	13.00	119	242097	19.580	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285864	19.878	ug/l	99
81) sec-Butylbenzene	13.17	105	327490	19.681	ug/l	100
82) p-Isopropyltoluene	13.29	119	288939	19.337	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	145370	19.574	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	141242	19.040	ug/l	99
85) n-Butylbenzene	13.62	91	249424	18.232	ug/l	99
86) Hexachloroethane	13.88	117	55152	20.281	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	145227	19.808	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23835	18.825	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	78056	16.860	ug/l	99
90) Hexachlorobutadiene	15.01	225	44511	18.619	ug/l	99
91) Naphthalene	15.13	128	222774	16.298	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	79296	17.596	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Manual Integrations
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Quant Time: Oct 23 02:26:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

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

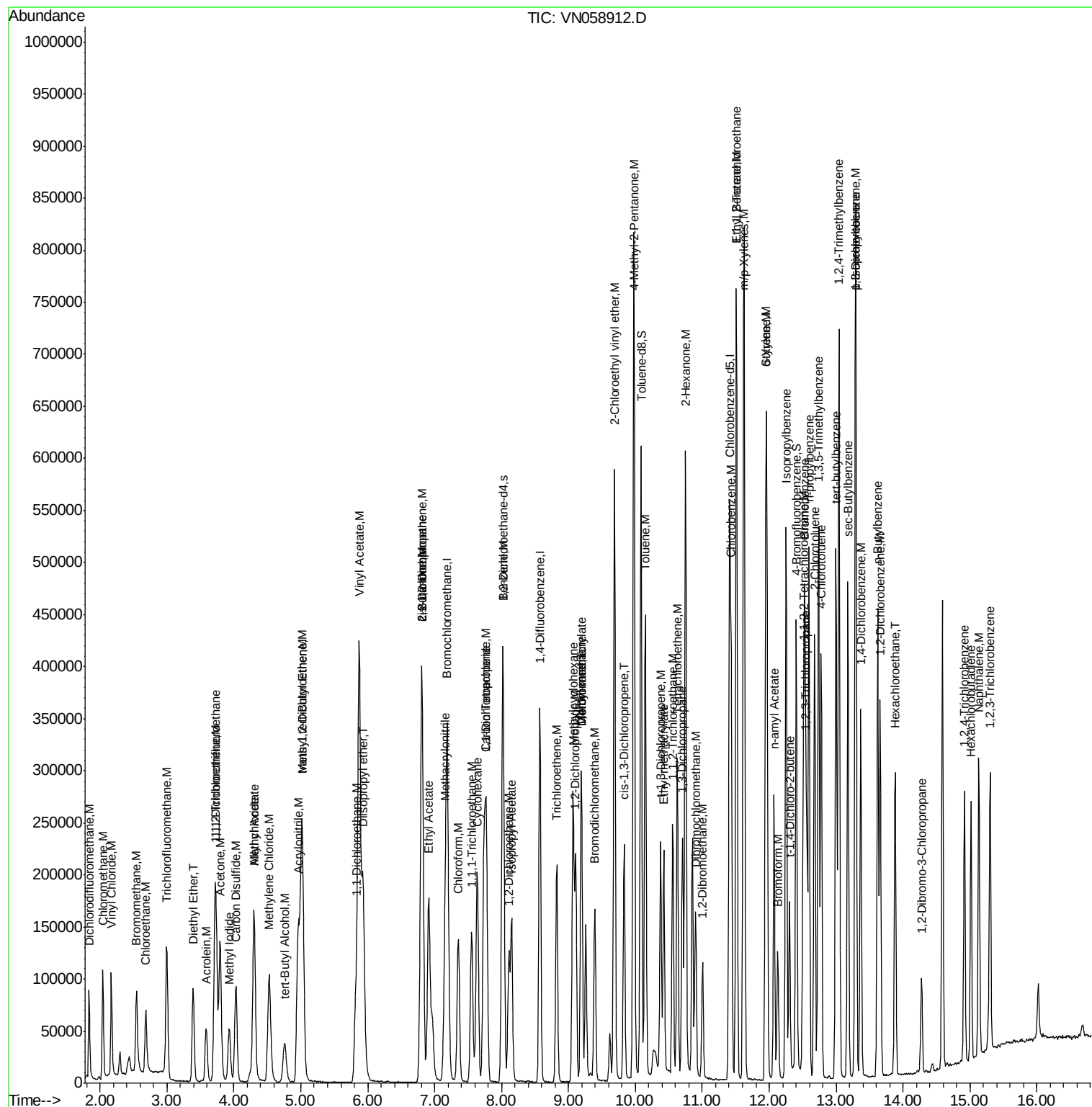
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058912.D
 Acq On : 22 Oct 2019 16:30
 Operator : JC/SP
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

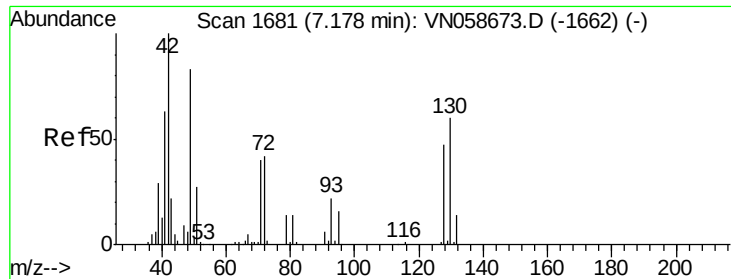
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Manual Integrations
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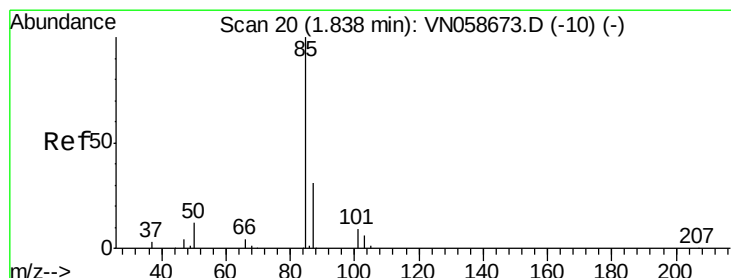
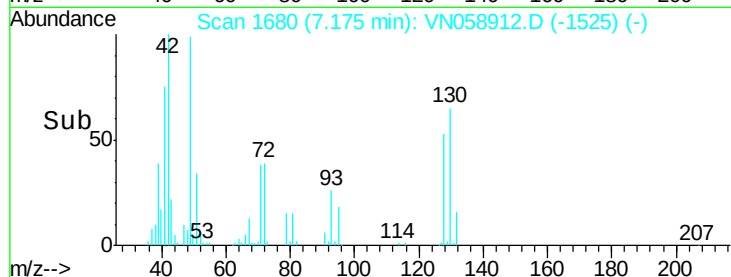
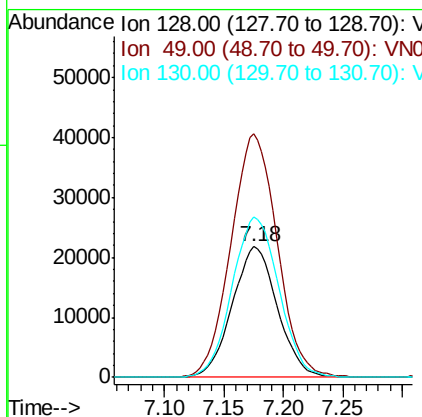
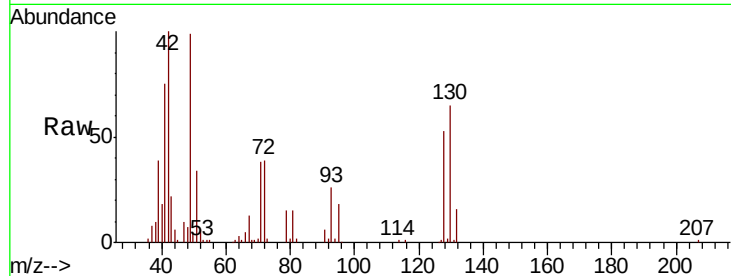
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:128 Resp: 57424
Ion Ratio Lower Upper
128 100
49 190.6 0.0 453.5
130 126.7 0.0 314.2

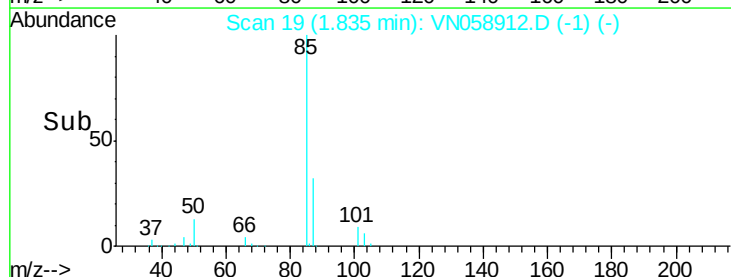
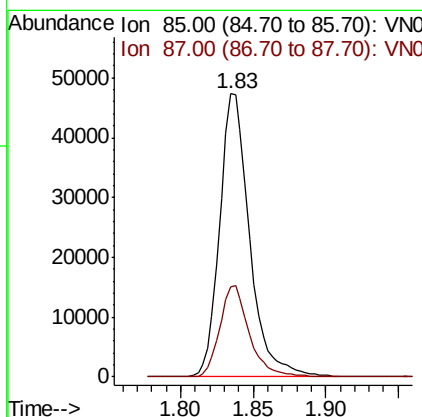
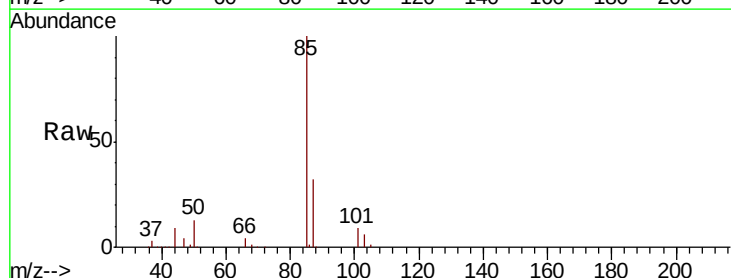
Manual Integrations
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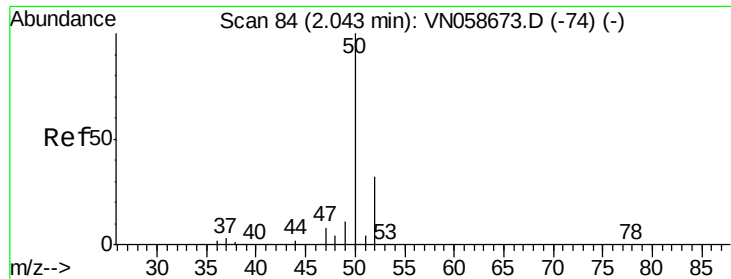
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#2
Dichlorodifluoromethane
Concen: 21.800 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion: 85 Resp: 67827
Ion Ratio Lower Upper
85 100
87 32.0 15.7 47.0





#3

Chloromethane

Concen: 21.458 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 50 Resp: 89178

Ion Ratio Lower Upper

50 100

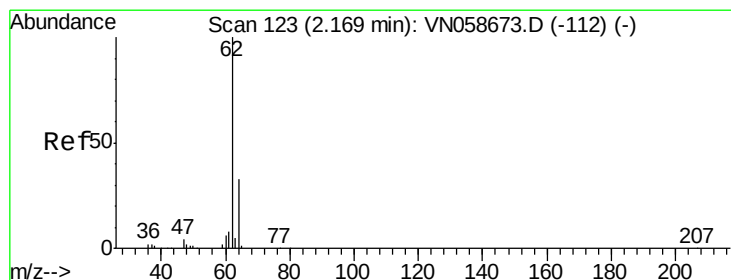
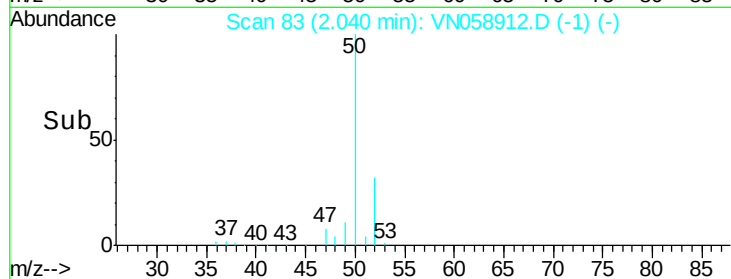
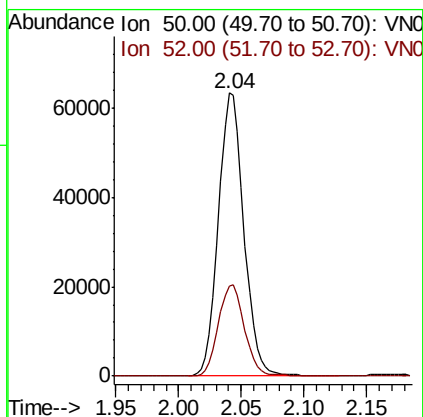
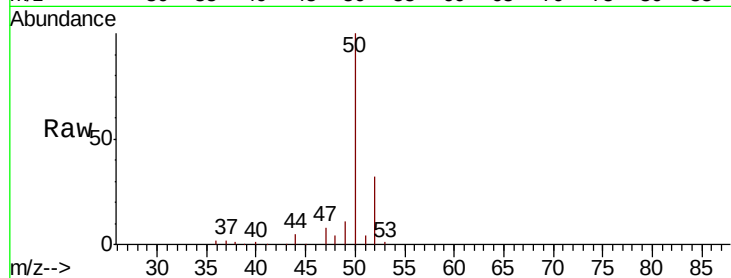
52 32.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.187 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058912.D

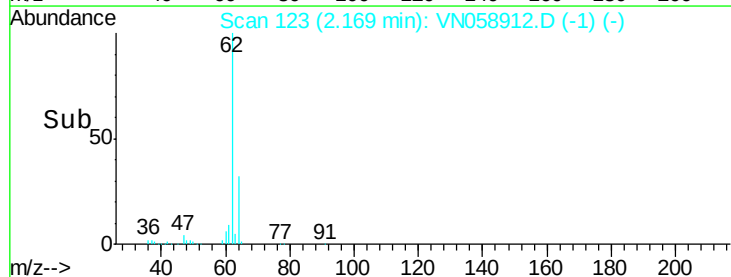
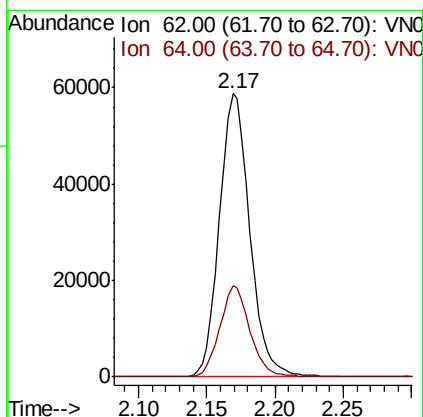
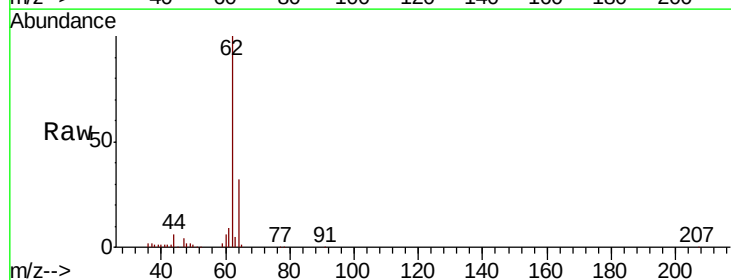
Acq: 22 Oct 2019 16:30

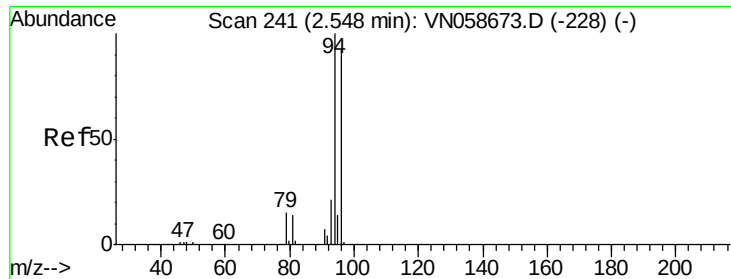
Tgt Ion: 62 Resp: 91006

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 21.682 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 94 Resp: 57501

Ion Ratio Lower Upper

94 100

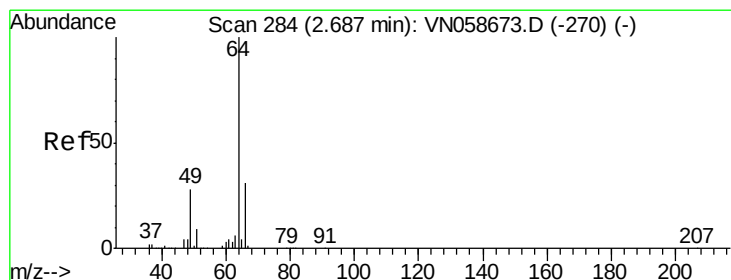
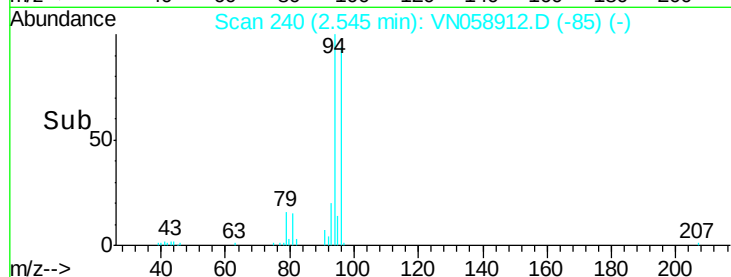
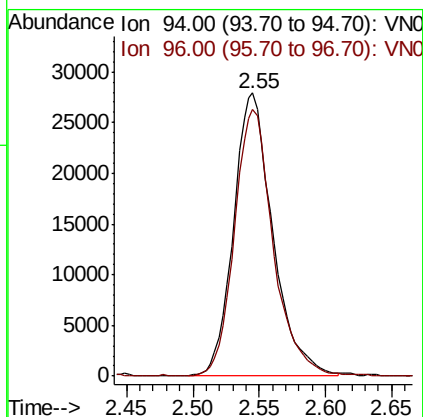
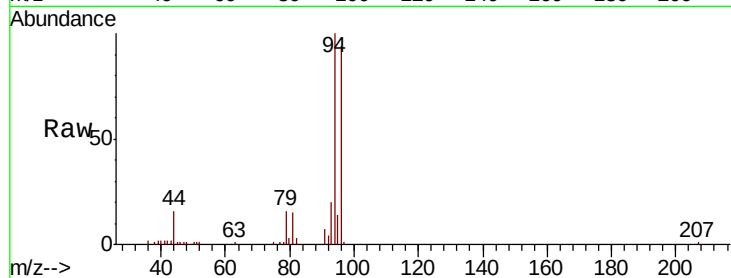
96 94.4 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 22.176 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058912.D

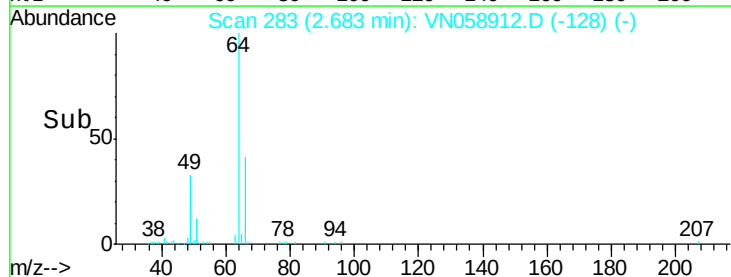
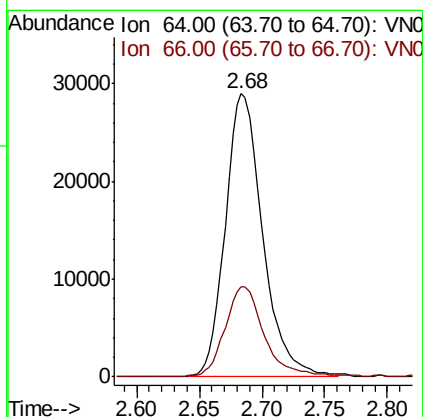
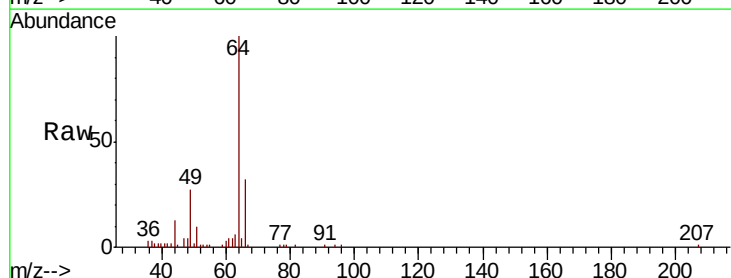
Acq: 22 Oct 2019 16:30

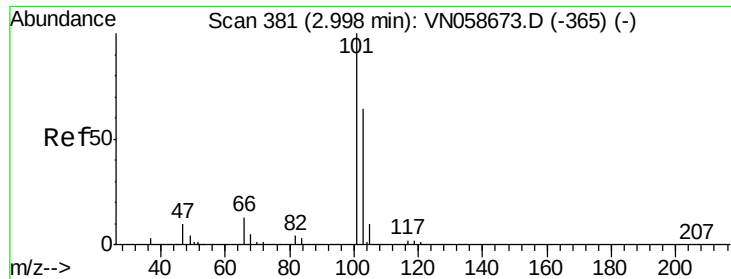
Tgt Ion: 64 Resp: 59873

Ion Ratio Lower Upper

64 100

66 31.3 24.6 36.8





#7

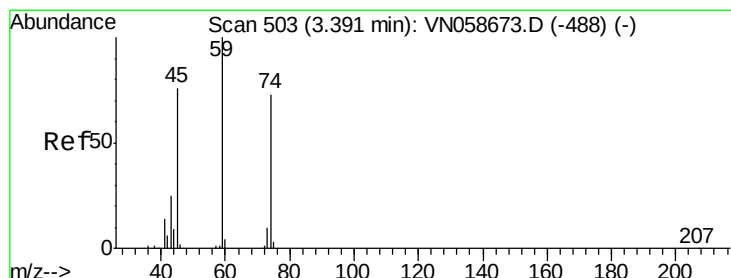
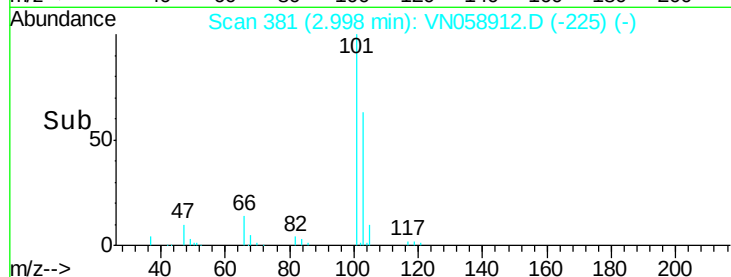
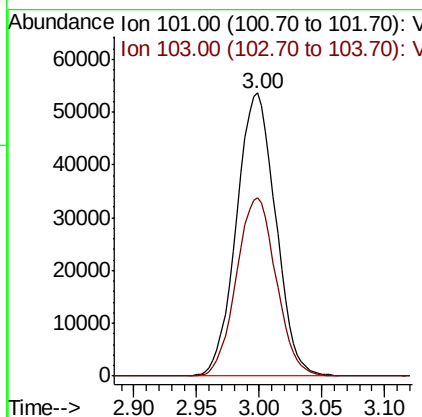
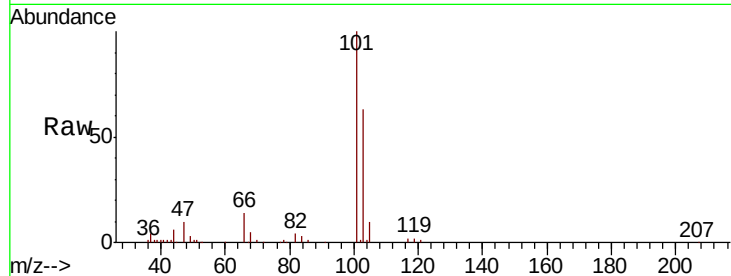
Trichlorofluoromethane
 Concen: 22.083 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.5	77.3

Manual Integrations
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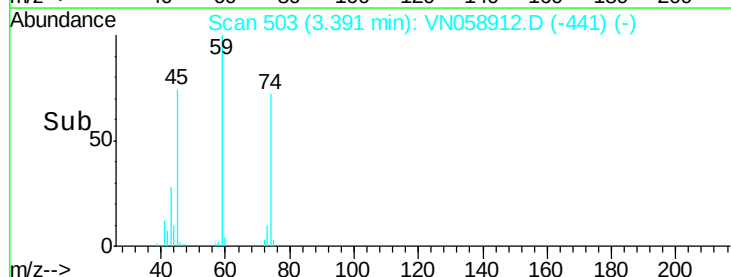
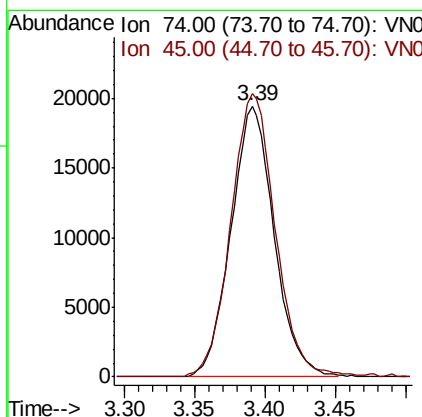
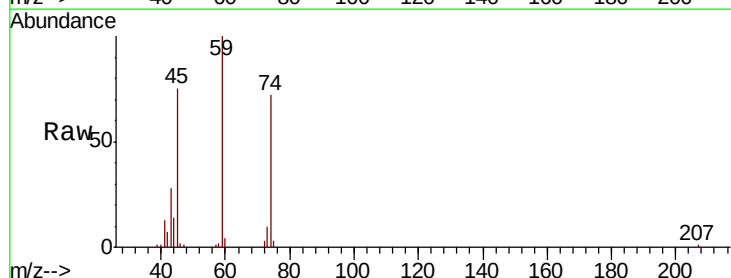
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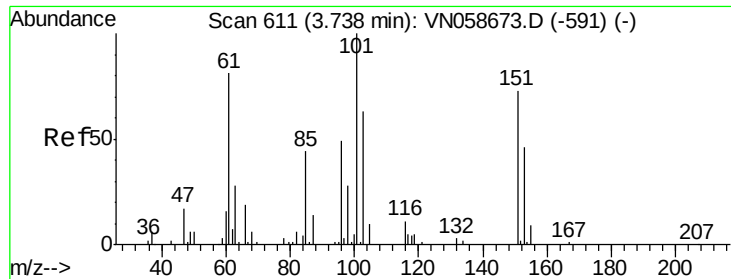


#8

Diethyl Ether
 Concen: 20.644 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.345 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

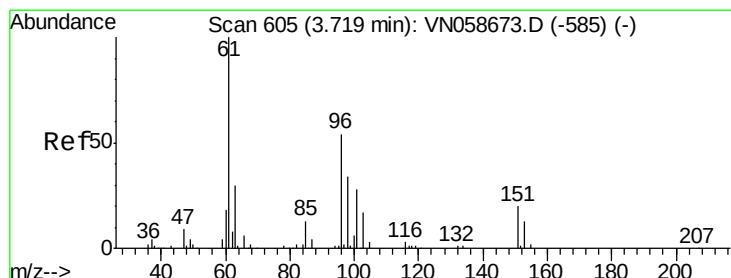
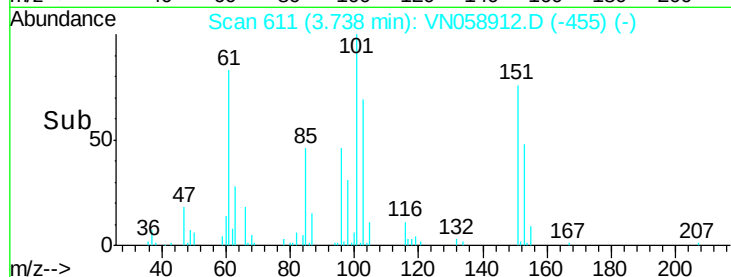
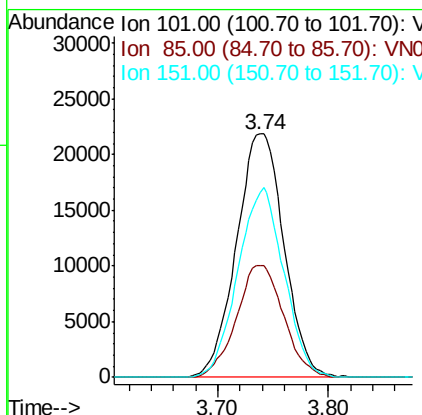
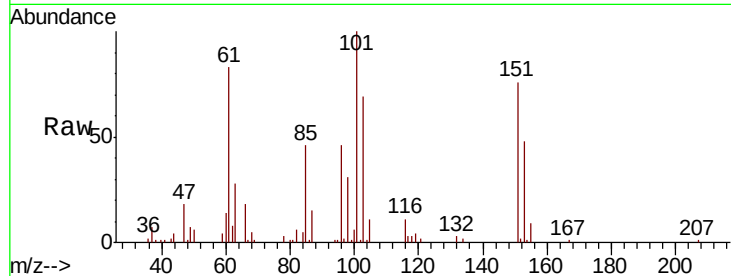
ClientSampleId :

VN1023WBSD01

Tot Ion:	101	Resp:	65297
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	93.8
151	75.3	0.0	149.6

Manual Integrations
APPROVED

MMDadoda
10/23/2019 3:09:57 PM



#10

1,1-Dichloroethene

Concen: 20.390 ug/l

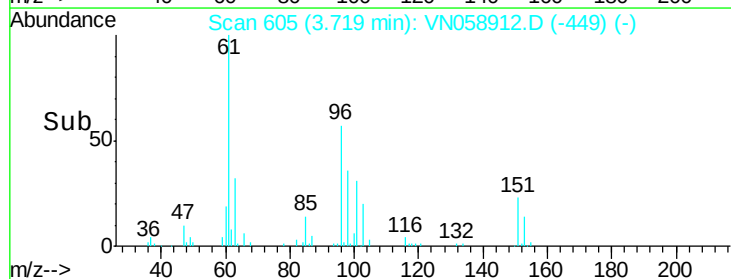
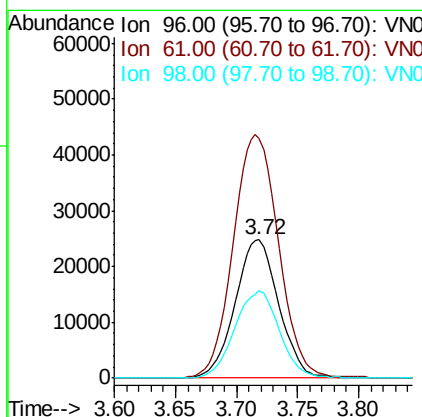
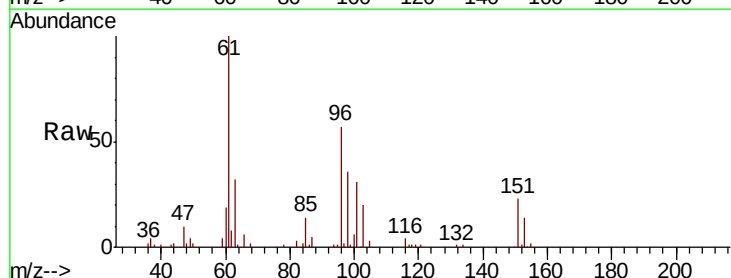
RT: 3.72 min Scan# 605

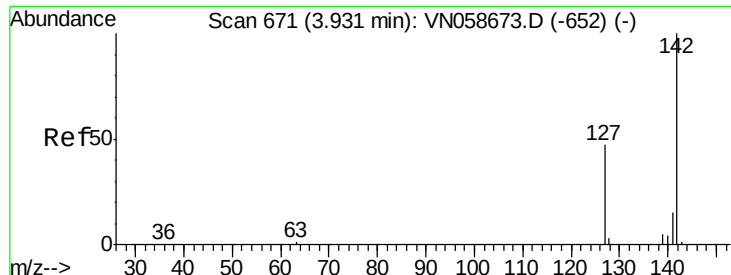
Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion:	96	Resp:	61263
Ion Ratio	Lower	Upper	
96	100		
61	173.1	148.5	222.7
98	62.9	51.0	76.6





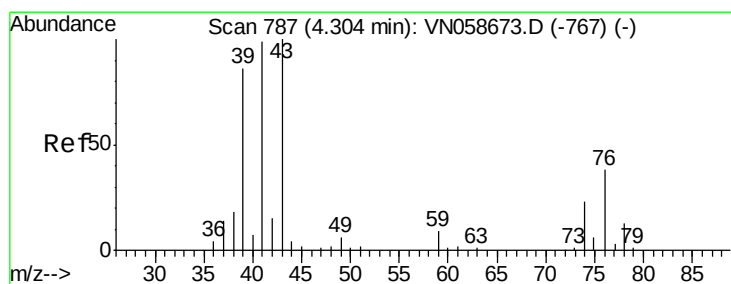
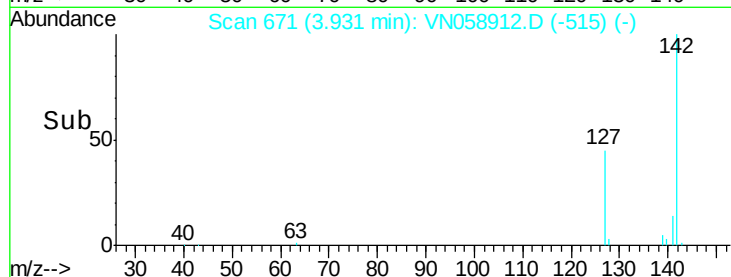
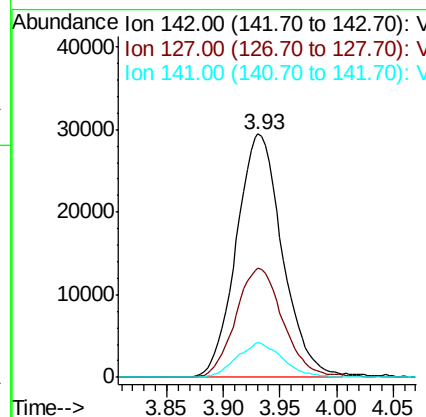
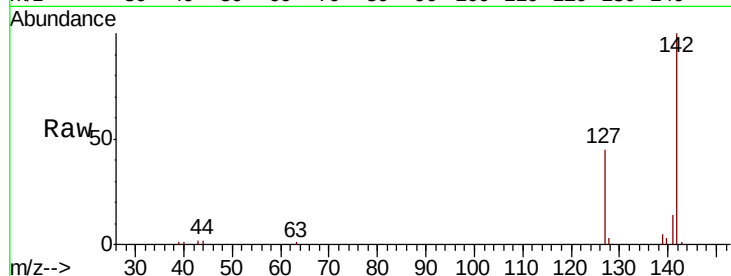
#11
Methyl Iodide
Concen: 19.926 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.8	23.5	70.6
141	14.4	7.4	22.2

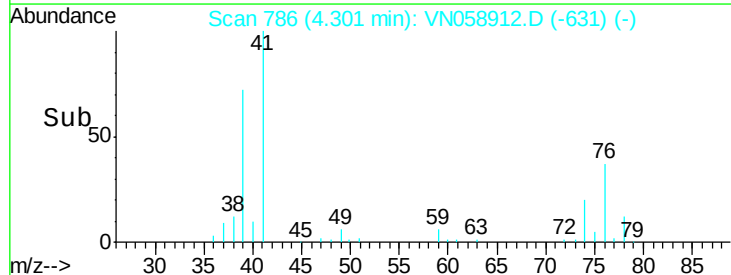
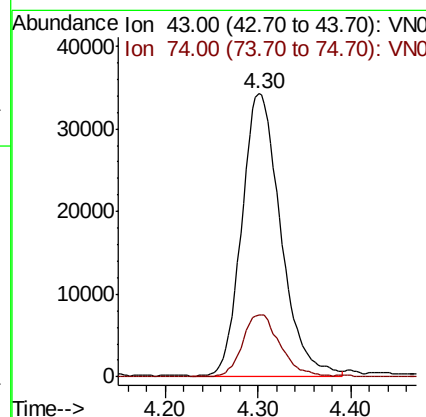
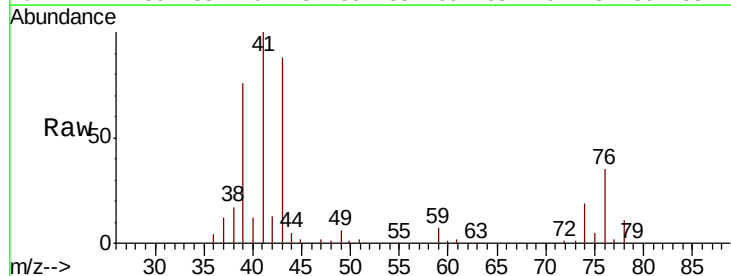
Manual Integrations
APPROVED

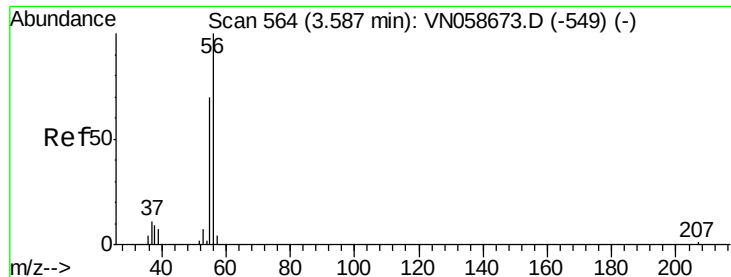
MMDadoda
10/23/2019 3:09:57 PM



#12
Methyl Acetate
Concen: 20.908 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.1	27.1





#13

Acrolein

Concen: 107.300 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 56 Resp: 56991

Ion Ratio Lower Upper

56 100

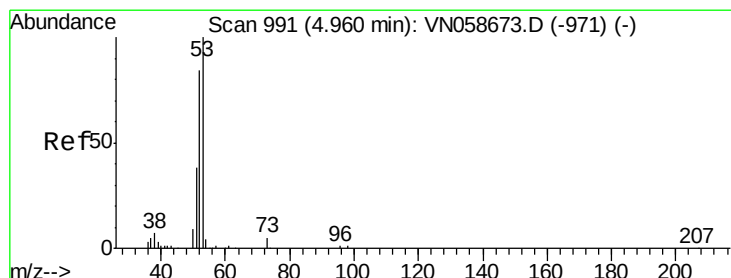
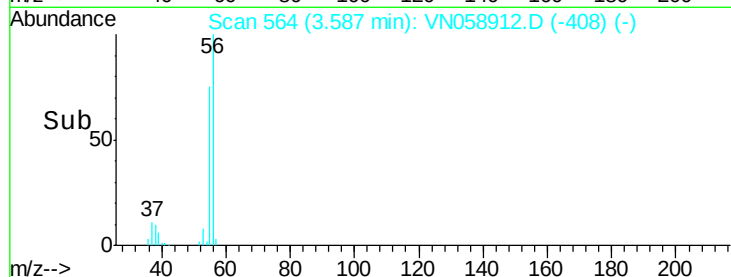
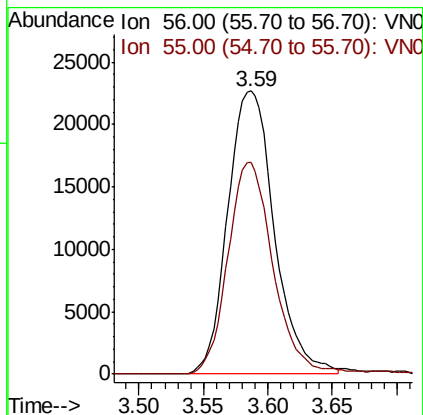
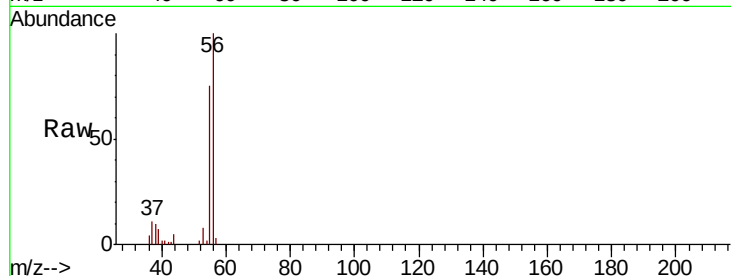
55 72.7 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

10/23/2019 3:09:57 PM



#14

Acrylonitrile

Concen: 102.451 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

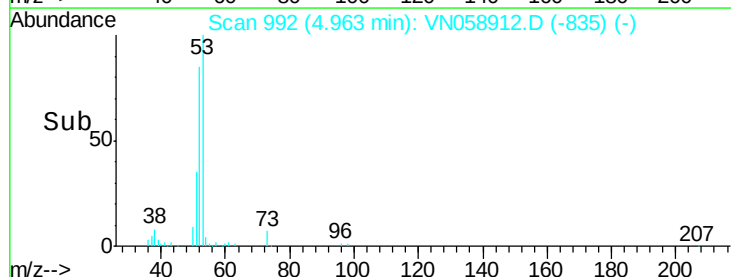
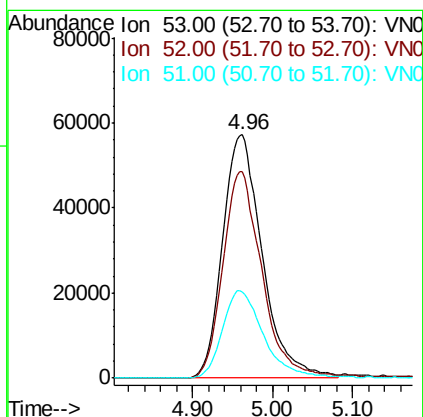
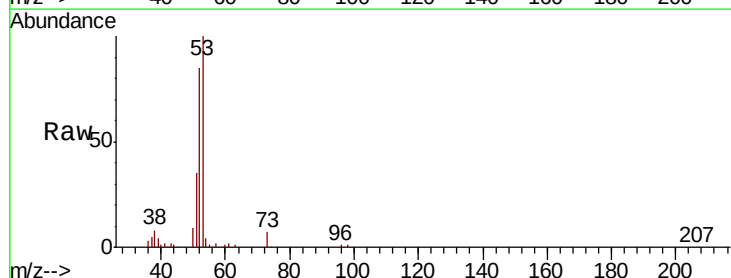
Tgt Ion: 53 Resp: 194053

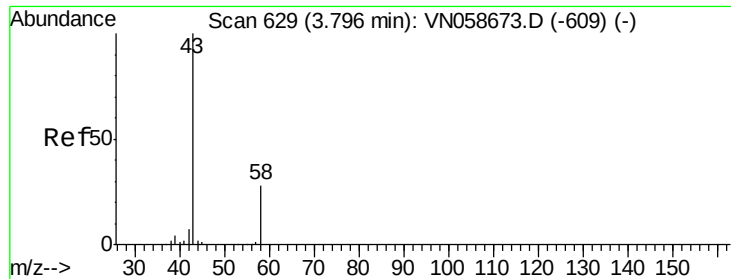
Ion Ratio Lower Upper

53 100

52 82.6 42.2 126.6

51 37.1 18.8 56.4





#15

Acetone

Concen: 113.701 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 58 Resp: 63927

Ion Ratio Lower Upper

58 100

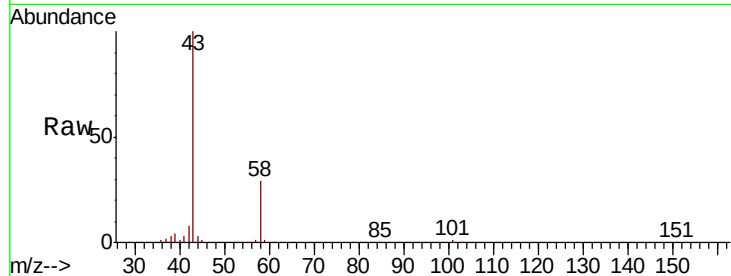
43 345.6 281.7 422.5

Manual Integrations

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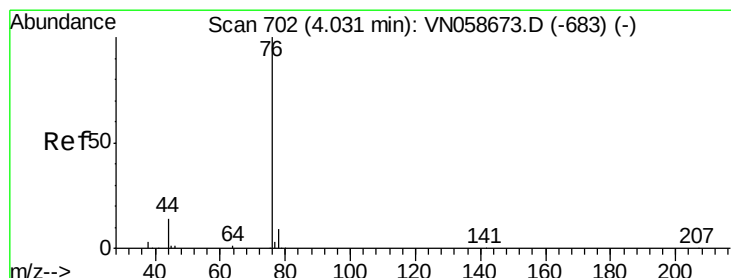
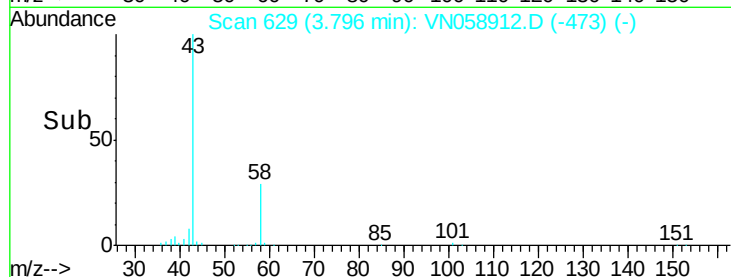
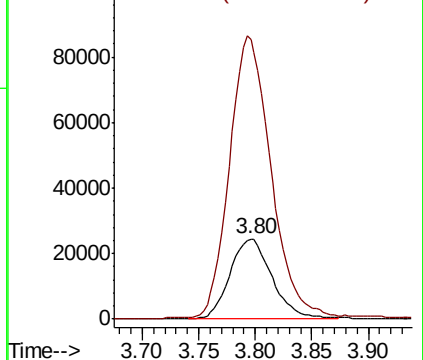
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Abundance Ion 58.00 (57.70 to 58.70): VN058912.D (-473) (-)

Ion 43.00 (42.70 to 43.70): VN058912.D (-473) (-)



#16

Carbon Disulfide

Concen: 20.747 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058912.D

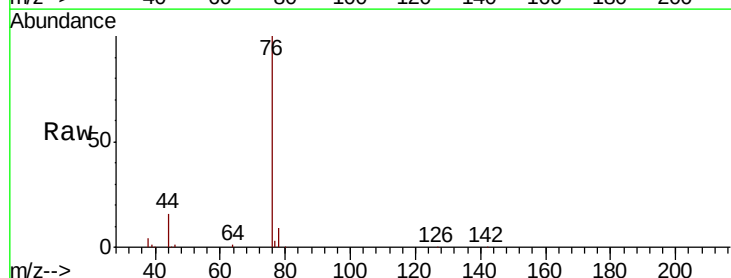
Acq: 22 Oct 2019 16:30

Tgt Ion: 76 Resp: 181813

Ion Ratio Lower Upper

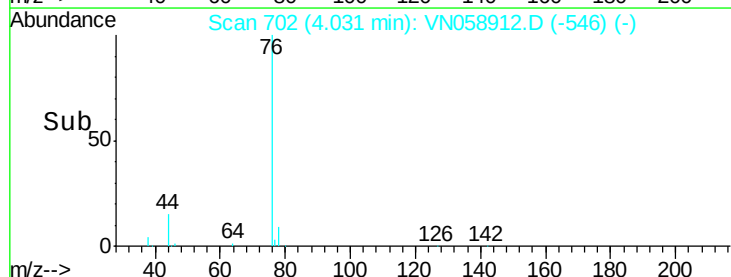
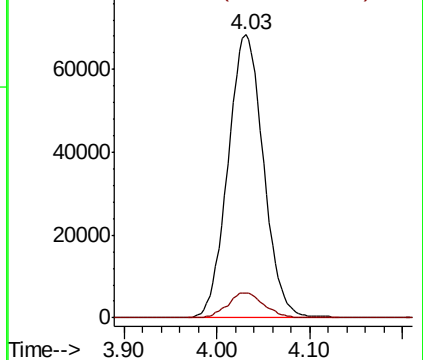
76 100

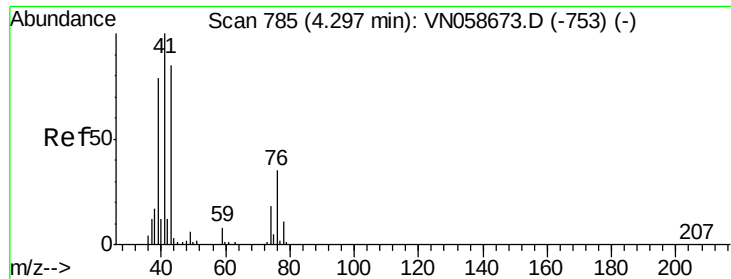
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058912.D (-546) (-)

Ion 78.00 (77.70 to 78.70): VN058912.D (-546) (-)





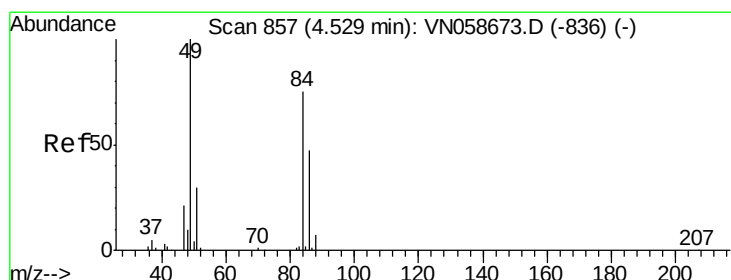
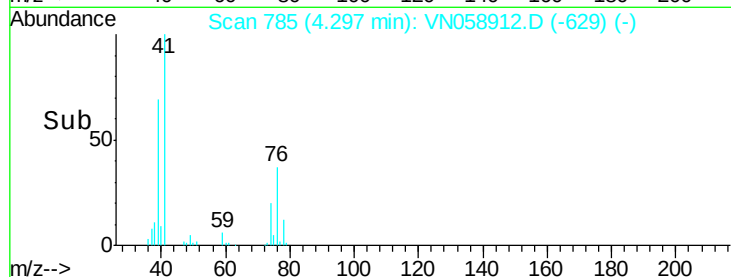
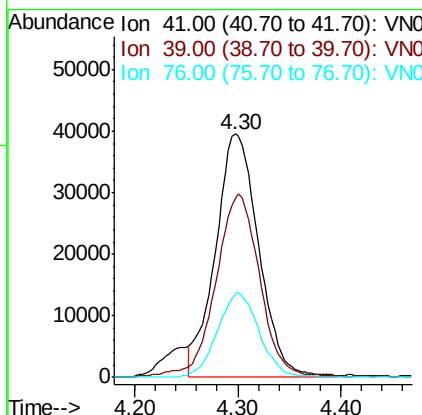
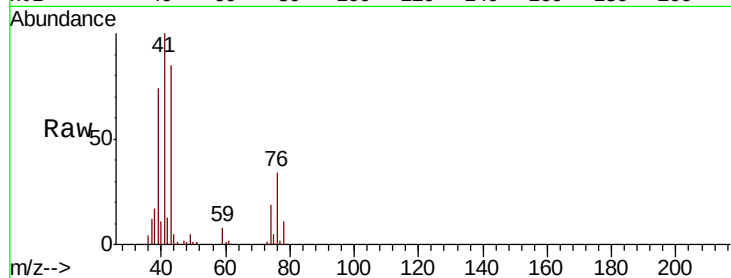
#17
Allvl chloride
Concen: 19.194 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.9	39.6	118.8
76	34.6	17.6	52.9

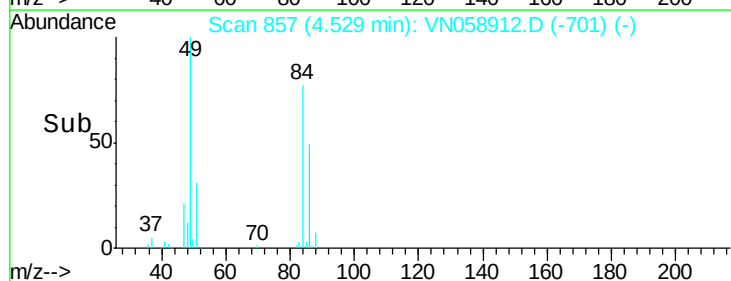
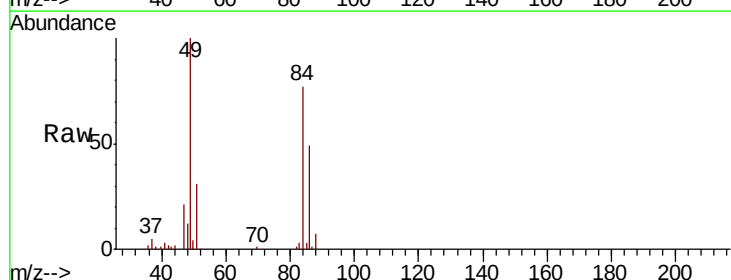
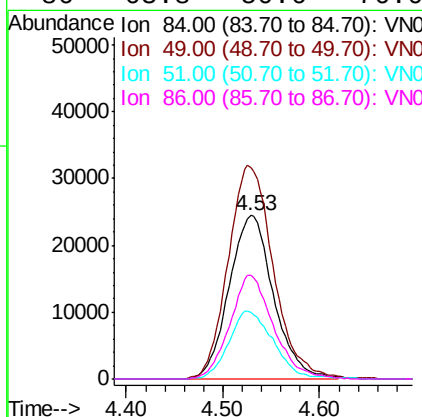
Manual Integrations
APPROVED

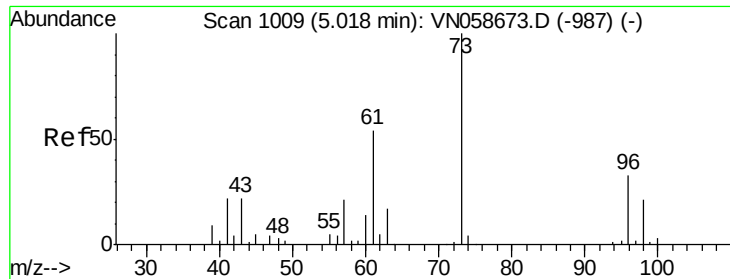
MMDadoda
10/23/2019 3:09:57 PM



#18
Methylene Chloride
Concen: 21.540 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	106.6	160.0
51	40.6	32.4	48.6
86	63.8	50.6	76.0





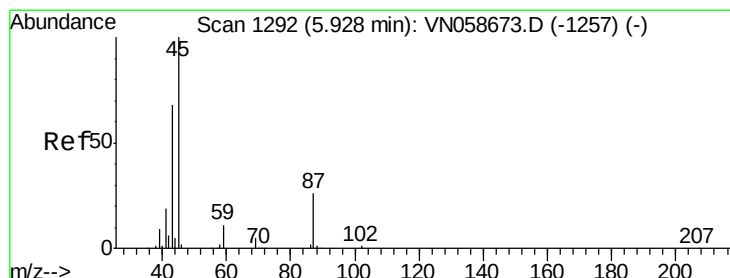
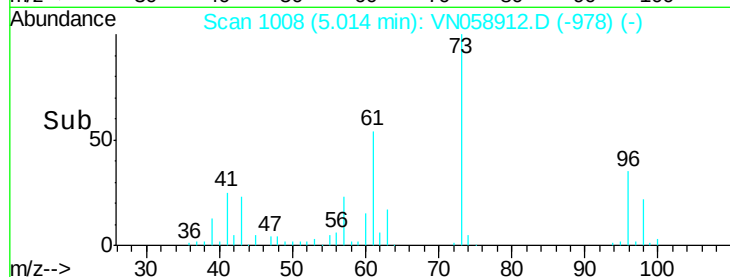
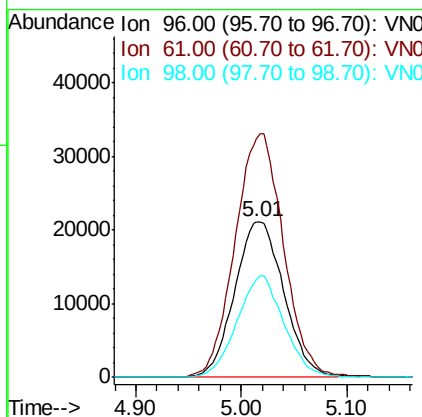
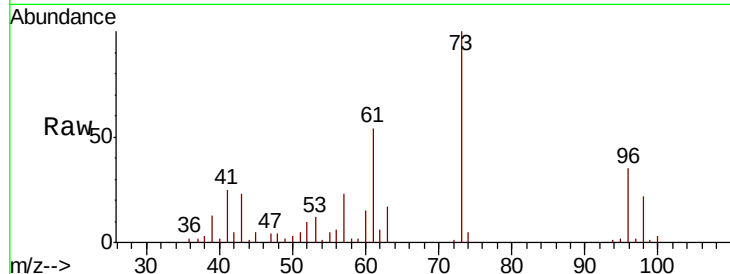
#19
trans-1,2-Dichloroethene
Concen: 20.897 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	131.8	197.6
98	62.7	52.6	79.0

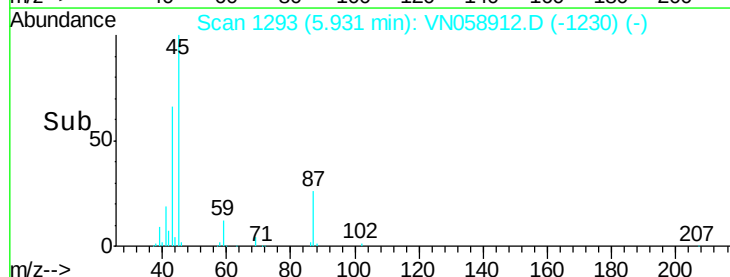
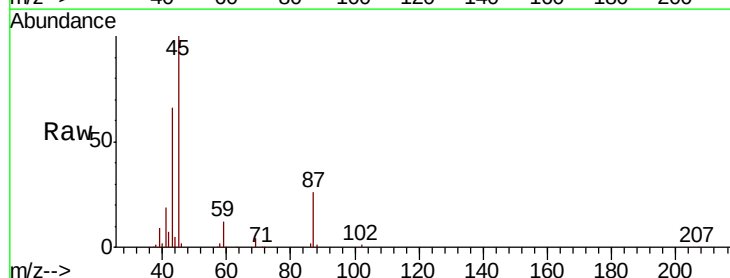
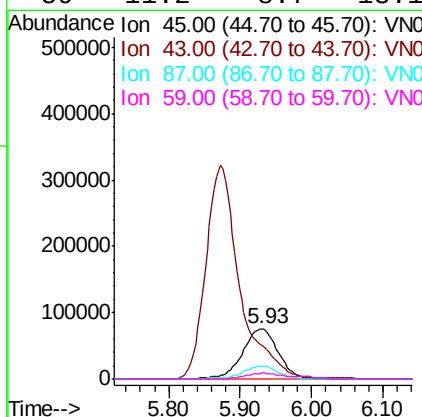
Manual Integrations
APPROVED

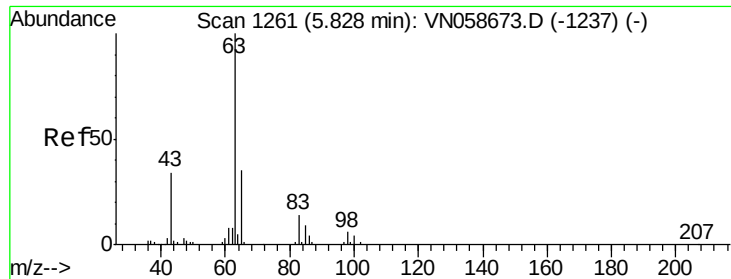
MMDadoda
10/23/2019 3:09:57 PM



#20
Diisopropyl ether
Concen: 21.477 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	54.7	82.1
87	25.9	21.5	32.3
59	11.2	8.7	13.1





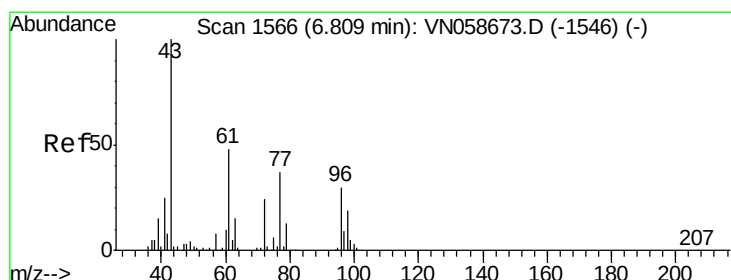
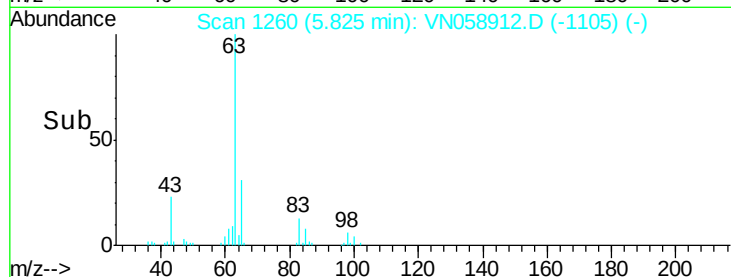
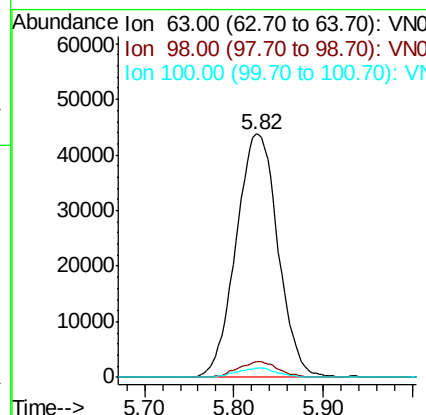
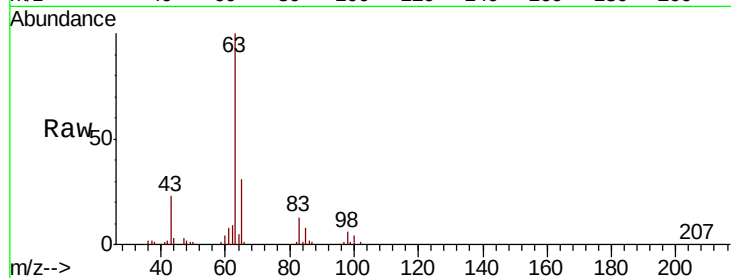
#21
 1,1-Dichloroethane
 Concen: 21.165 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	2.9	8.6	
100	3.7	1.8	5.5	

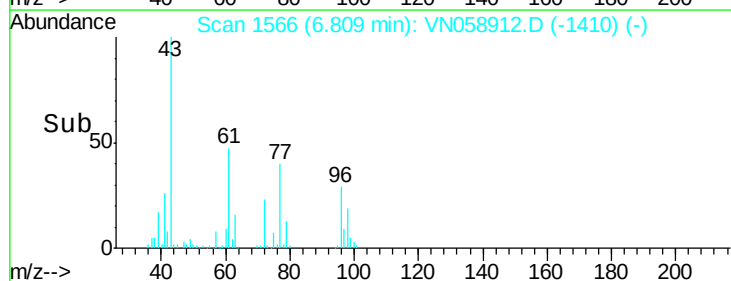
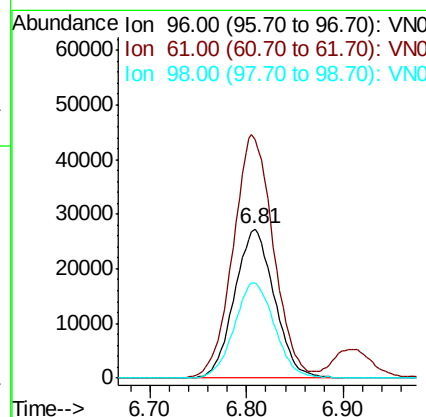
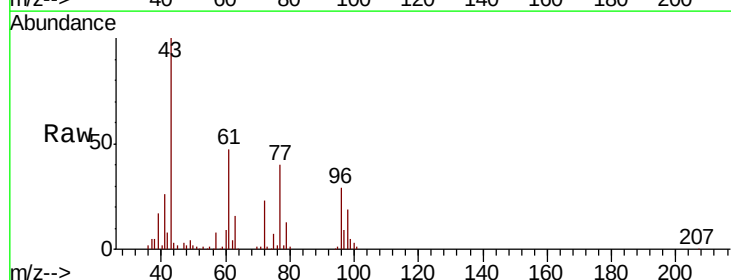
Manual Integrations
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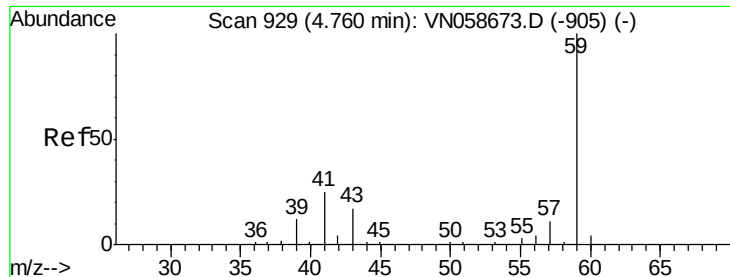
MMDadoda
 10/23/2019 3:09:57 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.021 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.1	127.2	190.8	
98	64.5	50.5	75.7	





#23

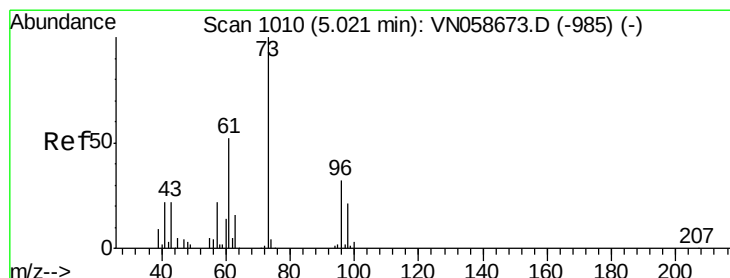
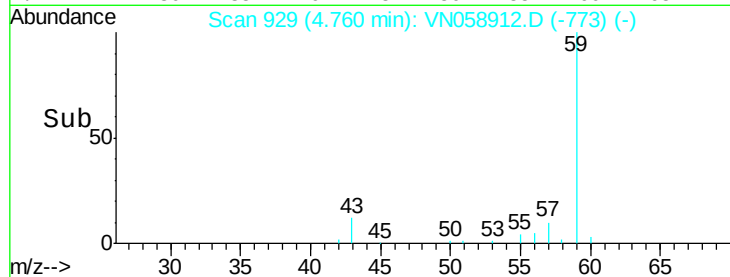
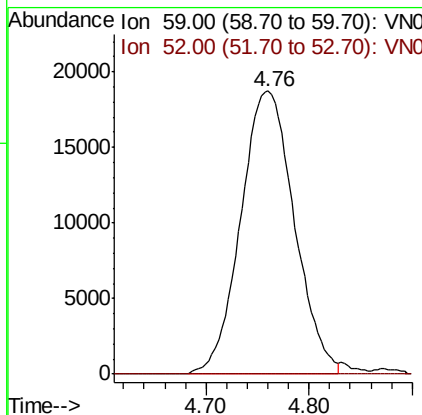
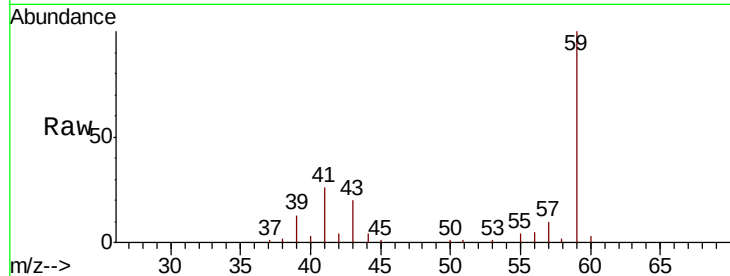
tert-Butyl Alcohol
 Concen: 87.355 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

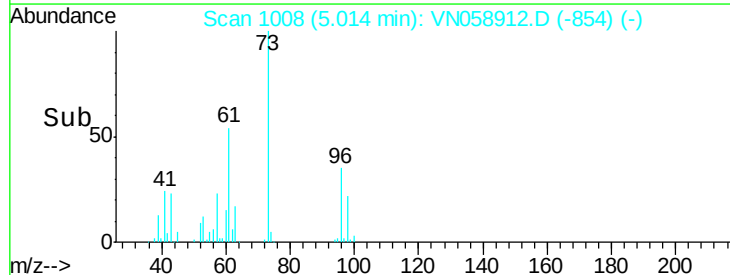
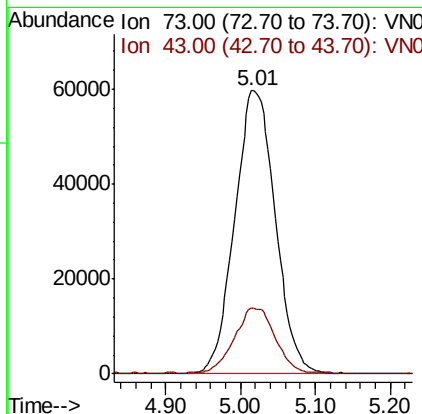
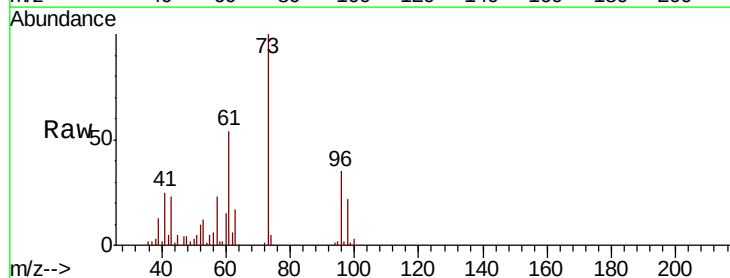
MMDadoda
 10/23/2019 3:09:57 PM

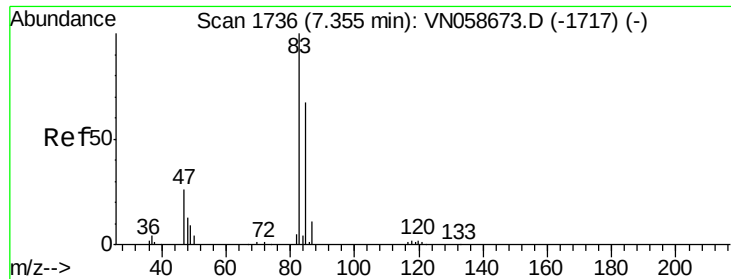


#24

Methyl tert-Butyl Ether
 Concen: 20.092 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
73	100		
43	13.5	17.9	26.9#





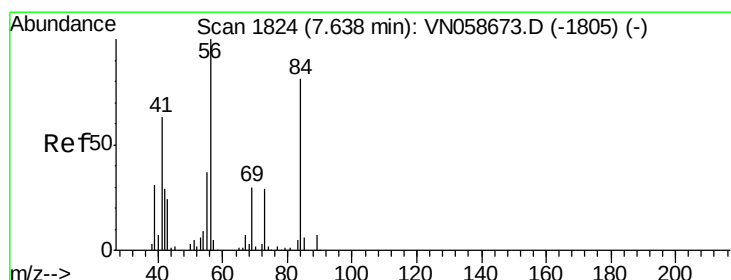
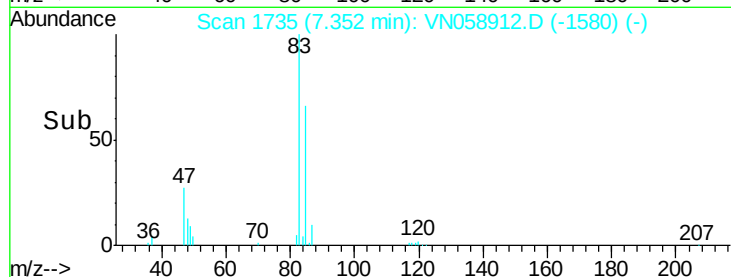
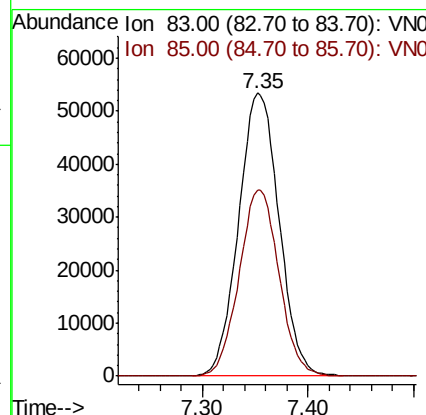
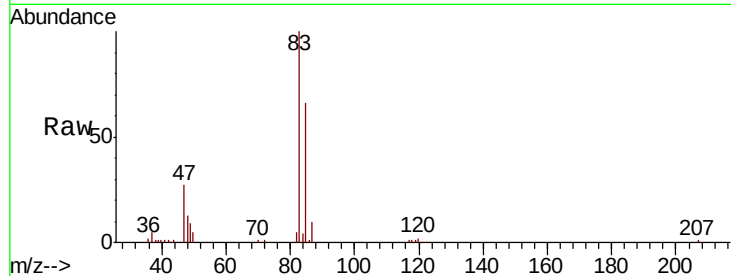
#25
Chloroform
Concen: 21.182 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	83	Resp	142531
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	53.8	80.8

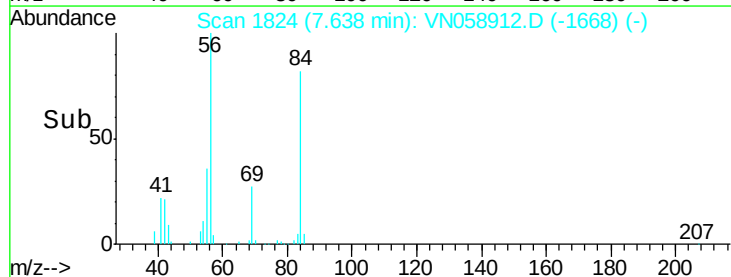
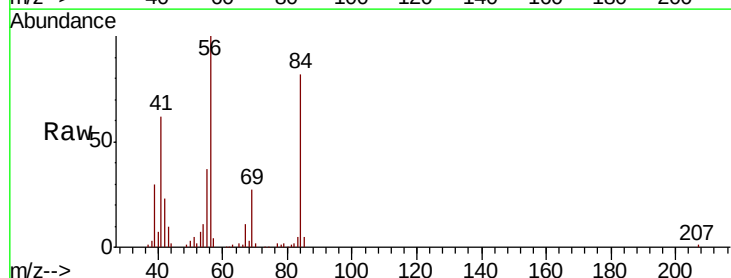
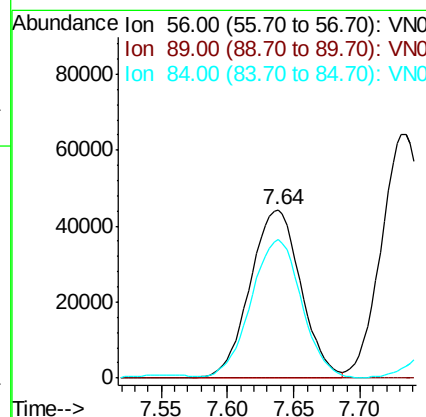
Manual Integrations
APPROVED

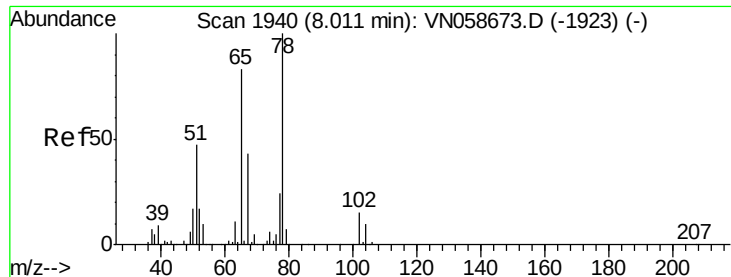
MMDadoda
10/23/2019 3:09:57 PM



#26
Cyclohexane
Concen: 19.919 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	56	Resp	117959
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	81.3	65.6	98.4





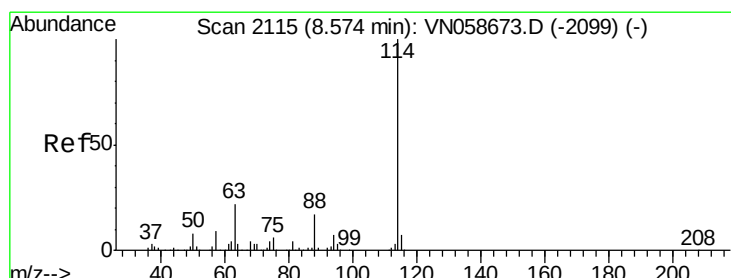
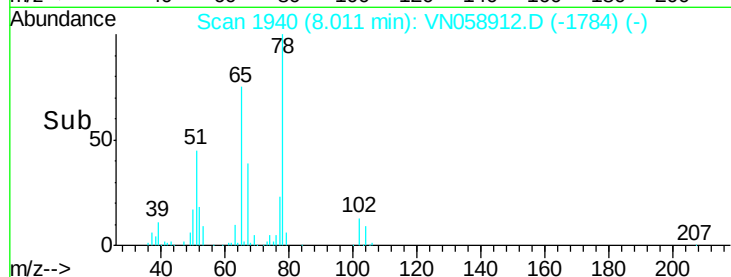
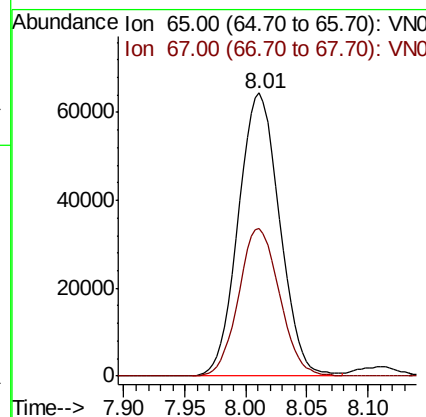
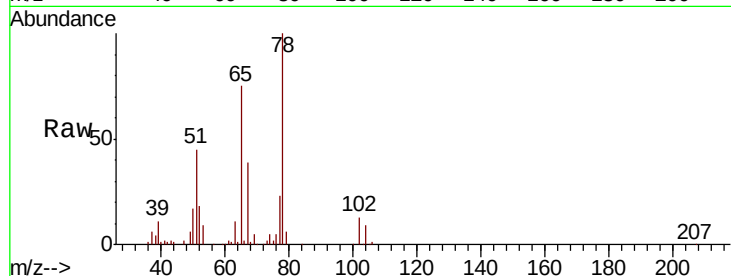
#27
 1,2-Dichloroethane-d4
 Concen: 31.069 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.5	62.3

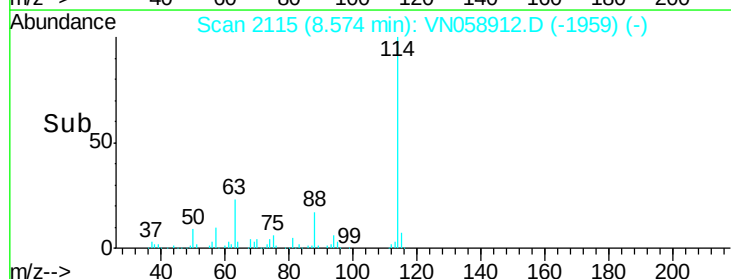
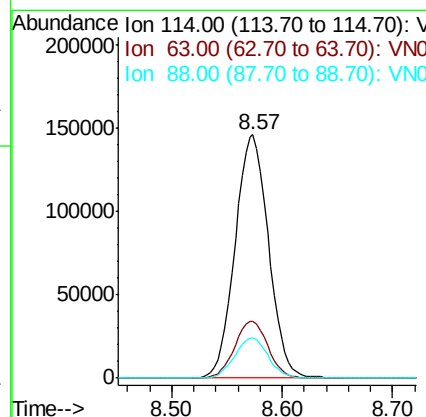
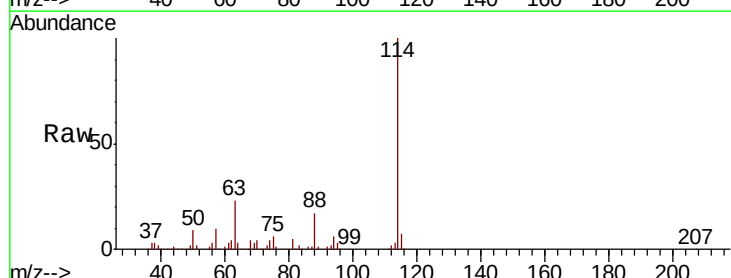
Manual Integrations
 APPROVED

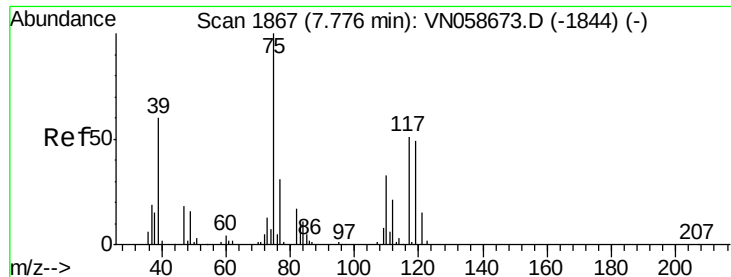
MMDadoda
 10/23/2019 3:09:57 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.1	27.1
88	16.5	13.0	19.4





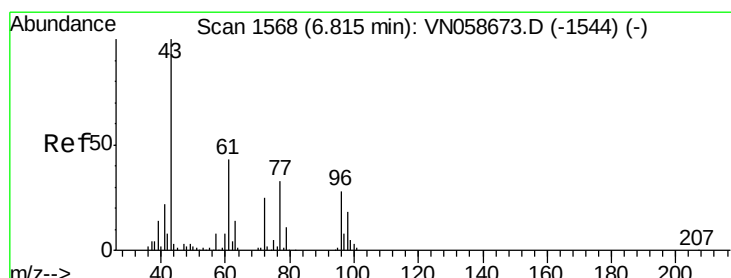
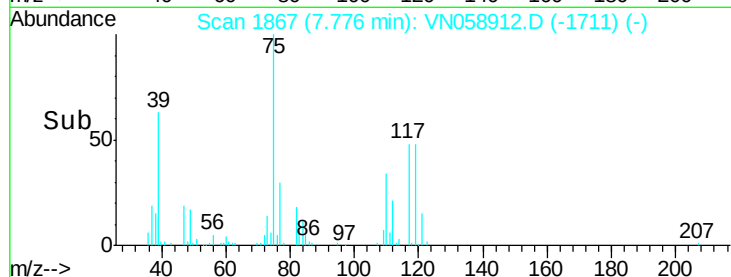
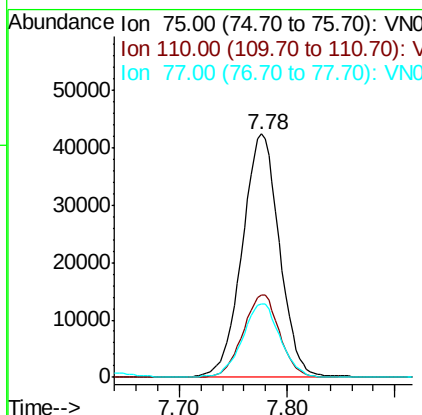
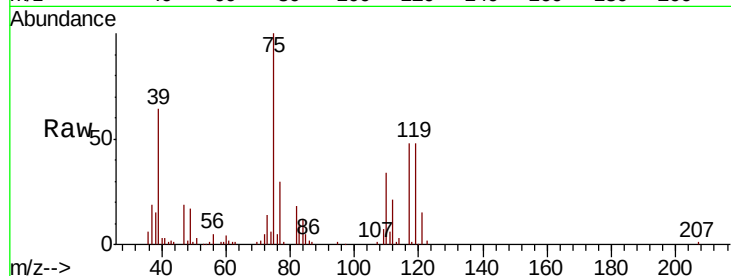
#29
 1,1-Dichloropropene
 Concen: 21.013 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	64.6
77	30.6	0.0	60.8

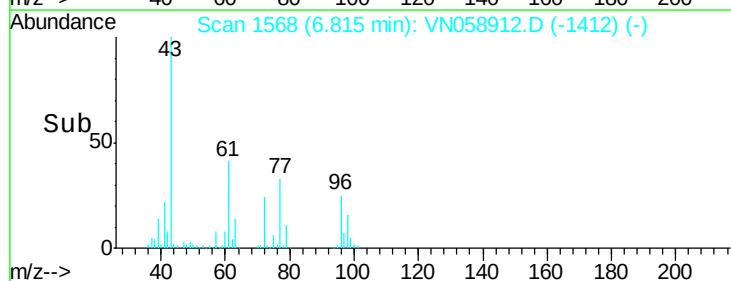
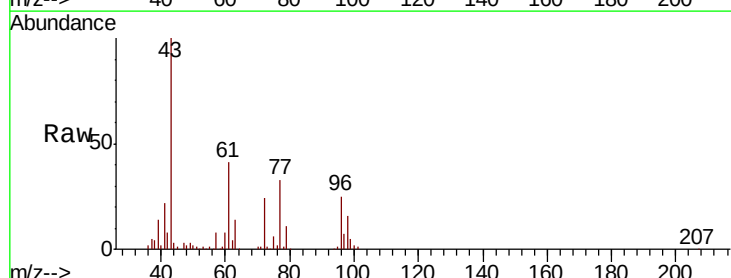
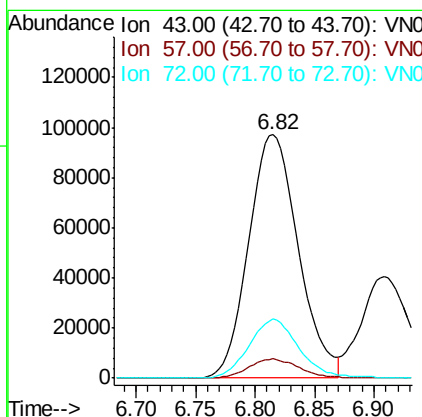
Manual Integrations
 APPROVED

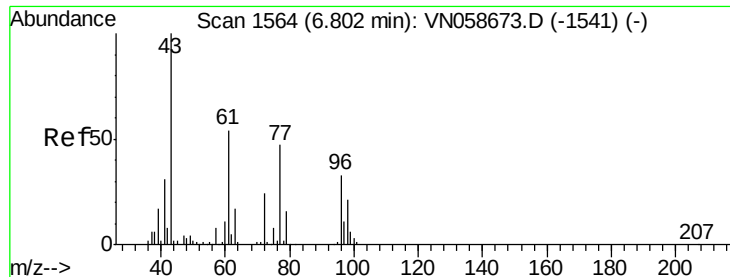
MMDadoda
 10/23/2019 3:09:57 PM



#30
 2-Butanone
 Concen: 102.384 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.5	20.1	30.1





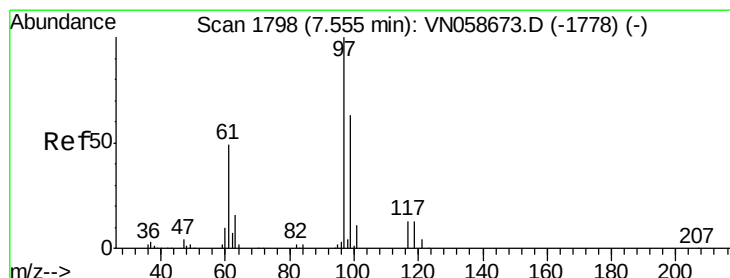
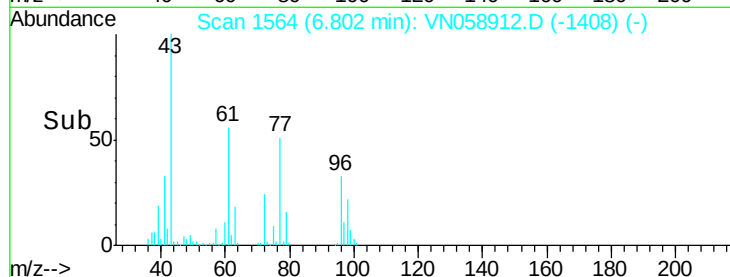
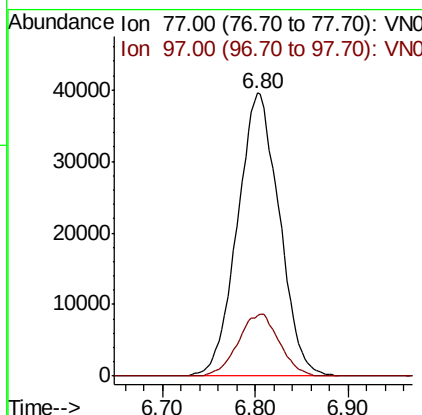
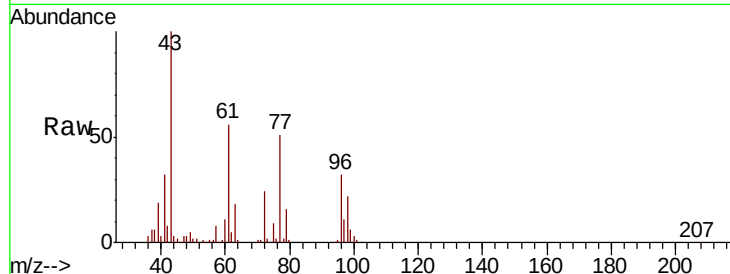
#31
 2,2-Dichloropropane
 Concen: 21.691 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.6	17.9	26.9

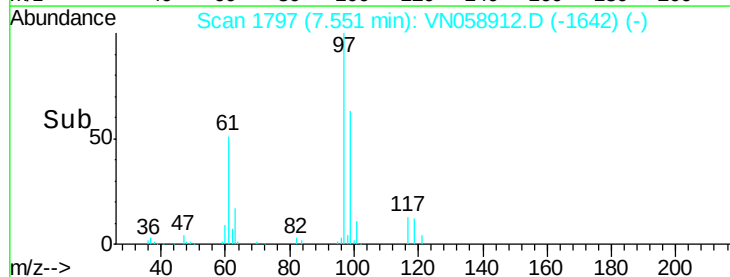
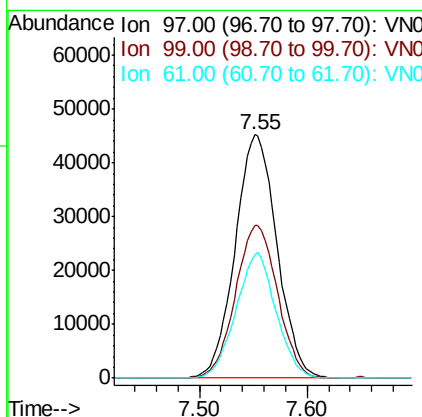
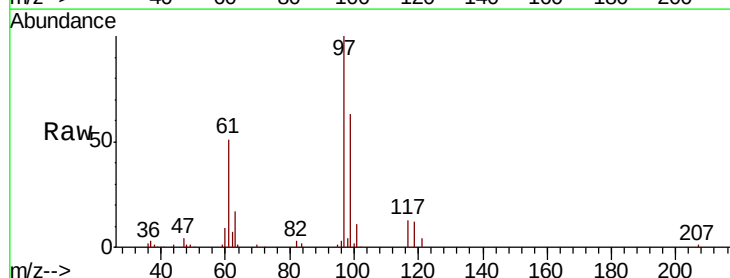
Manual Integrations
 APPROVED

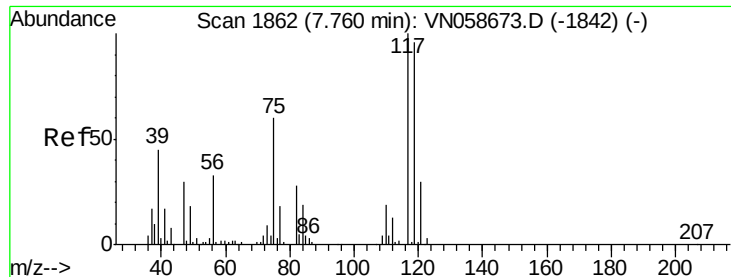
MMDadoda
 10/23/2019 3:09:57 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.727 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	49.1	38.4	57.6





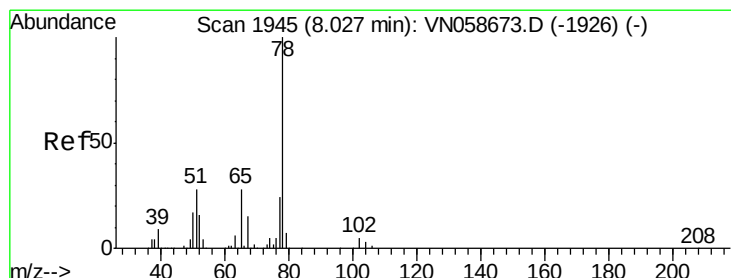
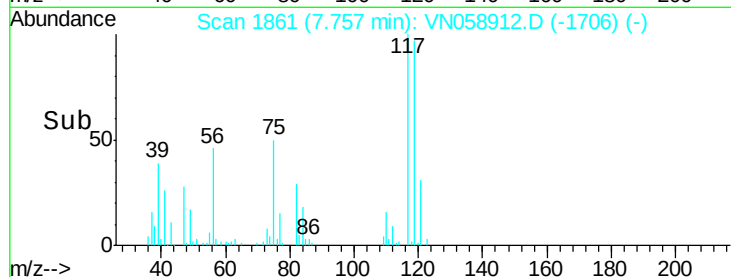
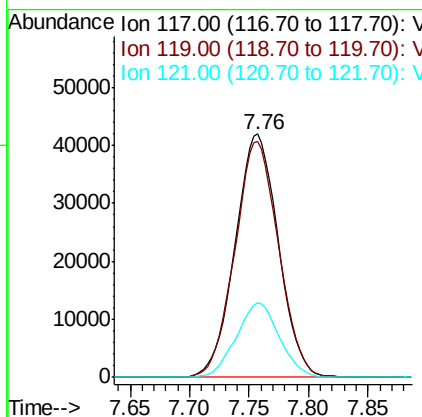
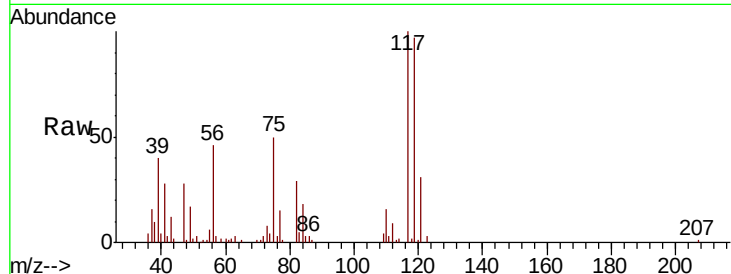
#33
Carbon Tetrachloride
Concen: 21.783 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.9	115.3
121	30.7	23.8	35.8

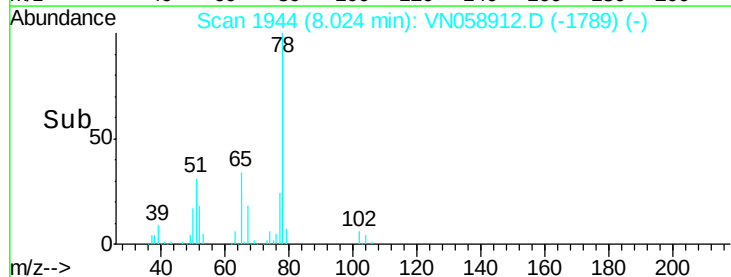
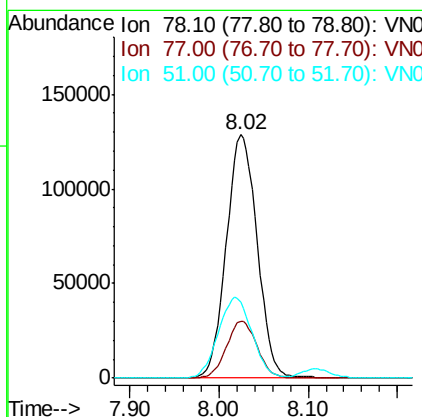
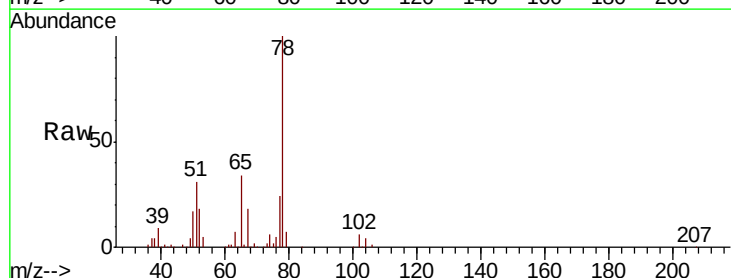
Manual Integrations
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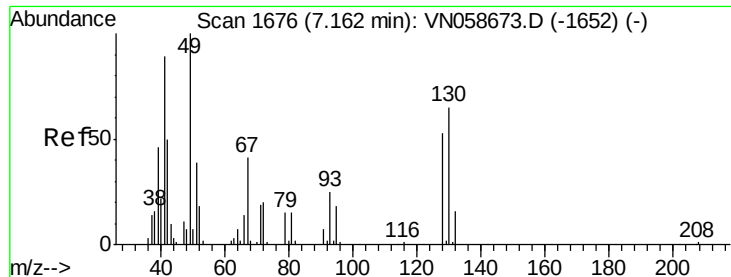
MMDadoda
10/23/2019 3:09:57 PM



#34
Benzene
Concen: 21.658 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	30.8	22.1	33.1





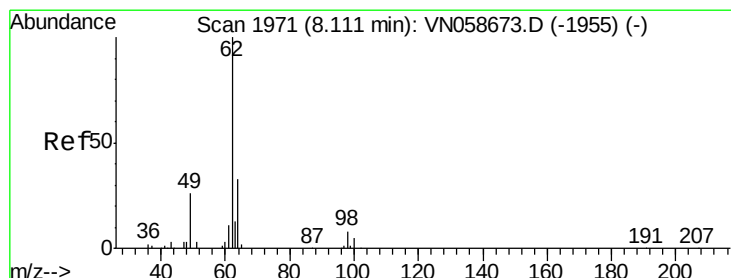
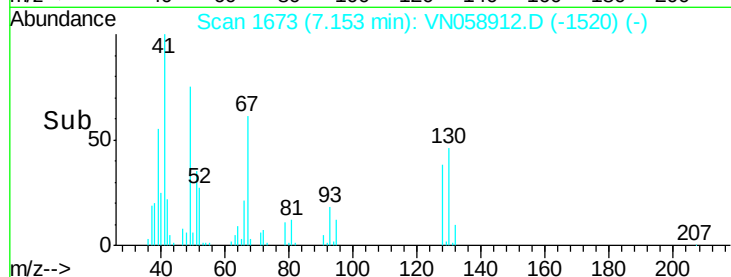
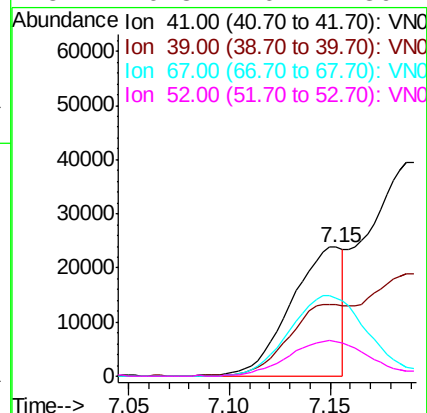
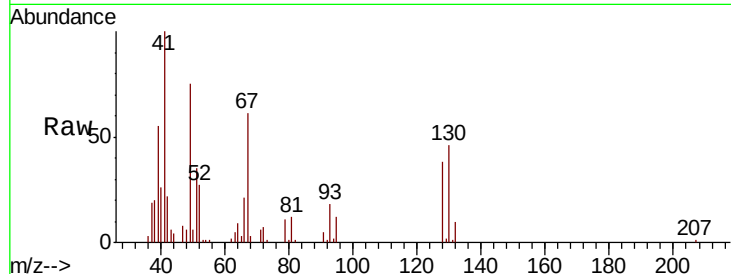
#35
Methacrylonitrile
Concen: 17.615 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	25.8	77.4
67	60.5	23.0	69.0
52	26.8	10.1	30.1

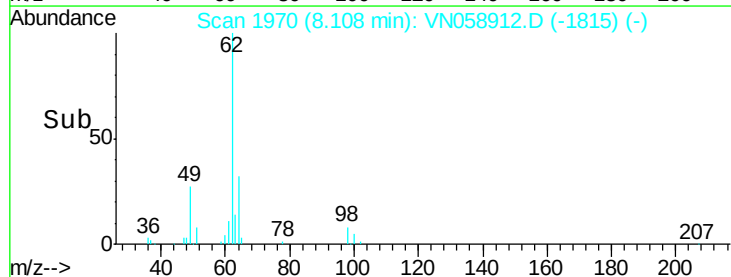
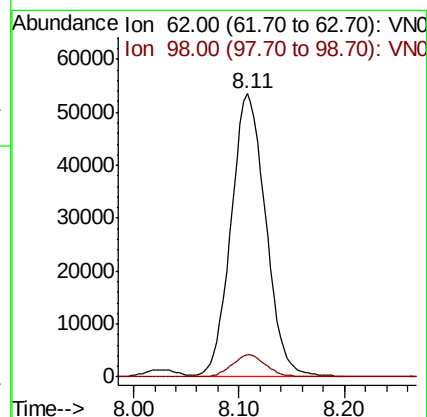
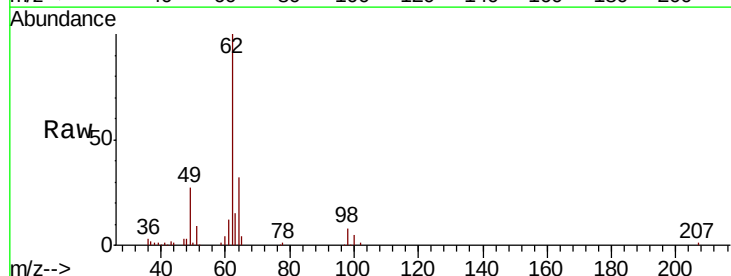
Manual Integrations
APPROVED

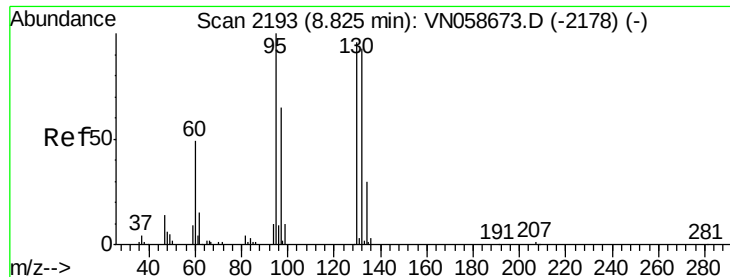
MMDadoda
10/23/2019 3:09:57 PM



#36
1,2-Dichloroethane
Concen: 22.397 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.4	9.6





#37

Trichloroethene

Concen: 21.650 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion:130 Resp: 75802

Ion Ratio Lower Upper

130 100

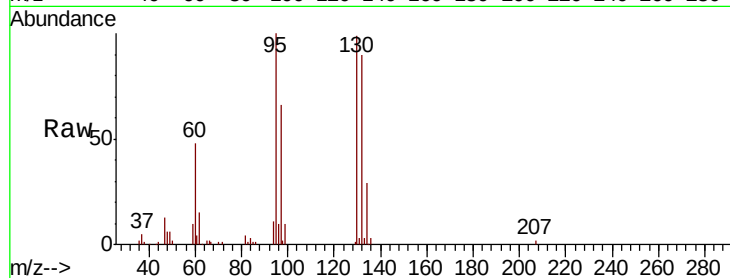
95 100.2 83.2 124.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

40000

30000

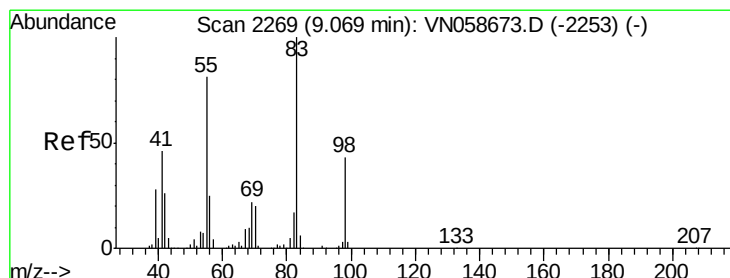
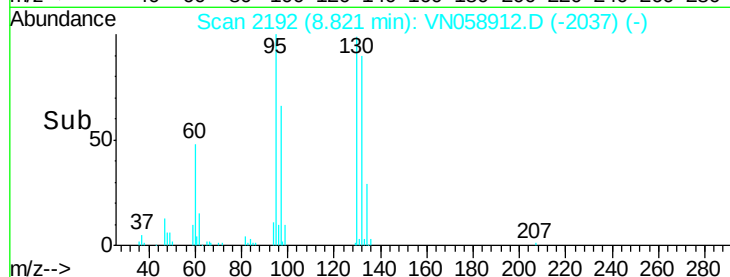
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.745 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

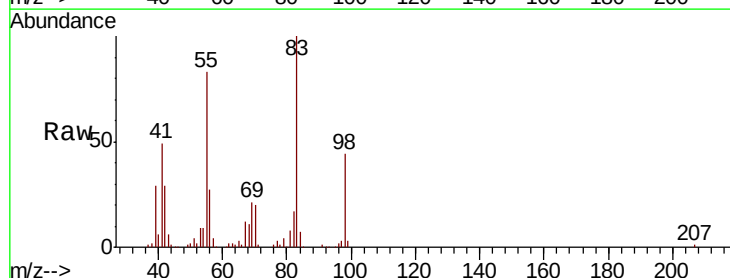
Tgt Ion: 83 Resp: 110828

Ion Ratio Lower Upper

83 100

55 83.9 40.4 121.1

98 44.8 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

60000

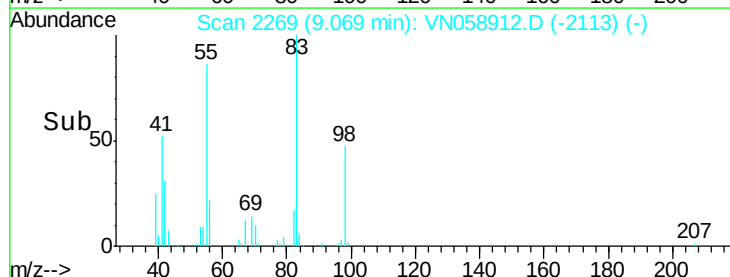
40000

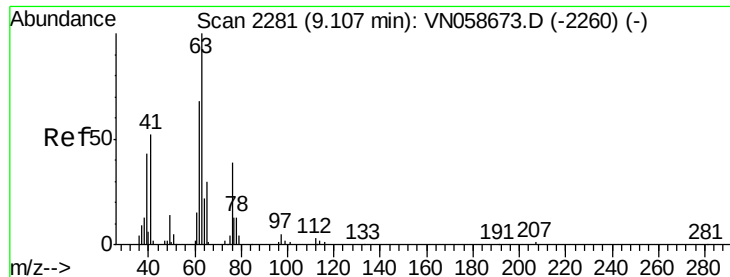
20000

0

9.00 9.05 9.10 9.15

Time-->





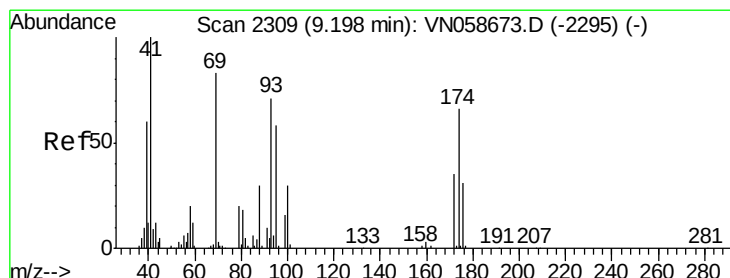
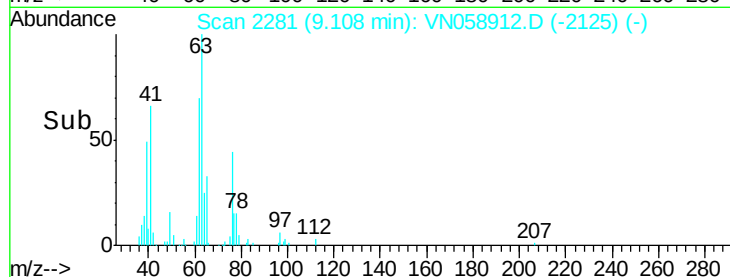
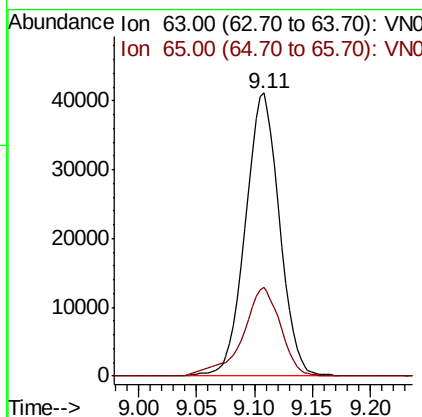
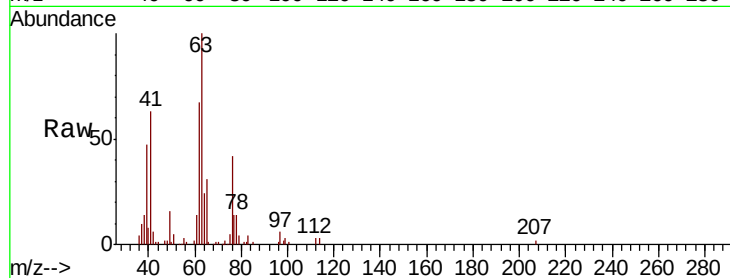
#39
 1,2-Dichloropropane
 Concen: 21.695 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.6

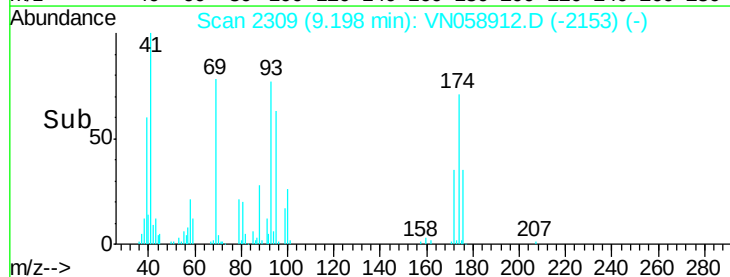
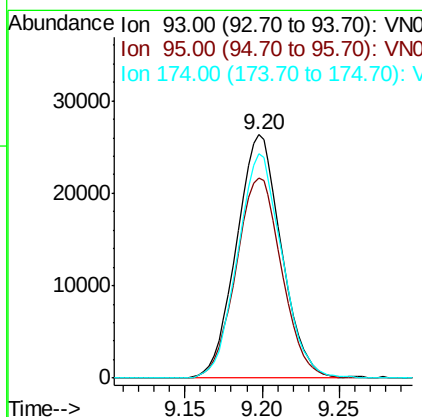
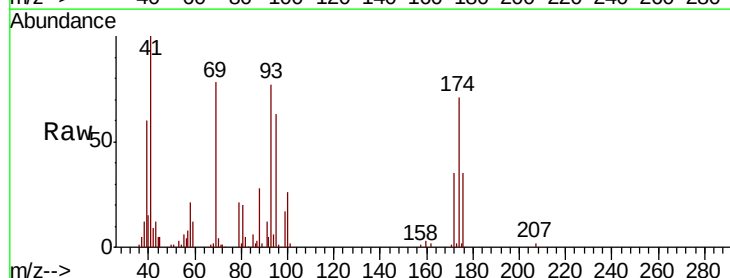
Manual Integrations
 APPROVED

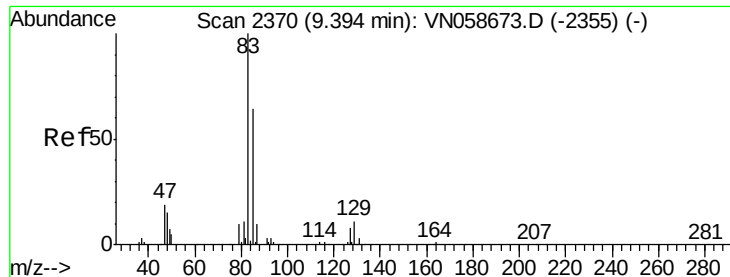
MMDadoda
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#40
 Dibromomethane
 Concen: 21.588 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	0.0	167.6
174	91.3	0.0	187.2





#41

Bromodichloromethane

Concen: 22.152 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

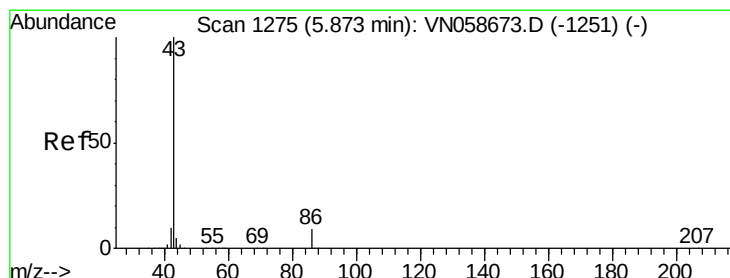
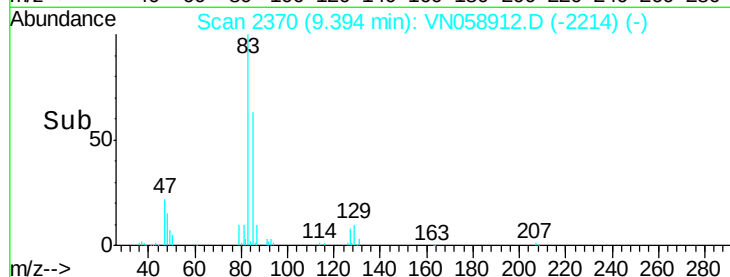
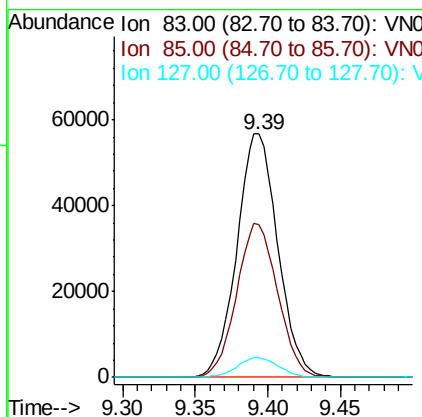
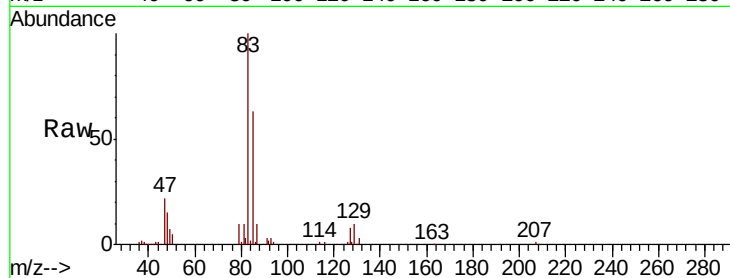
ClientSampleId :

VN1023WBSD01

Tot Ion	83	Resp	111271
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.4
127	8.2	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 110.844 ug/l

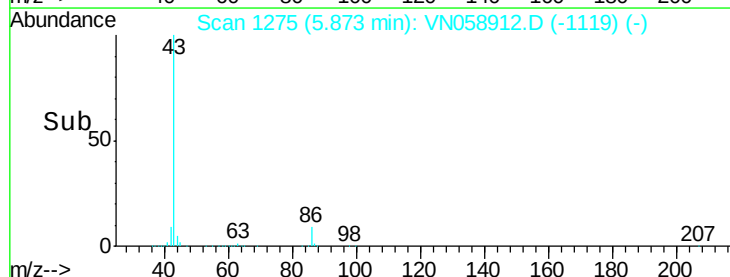
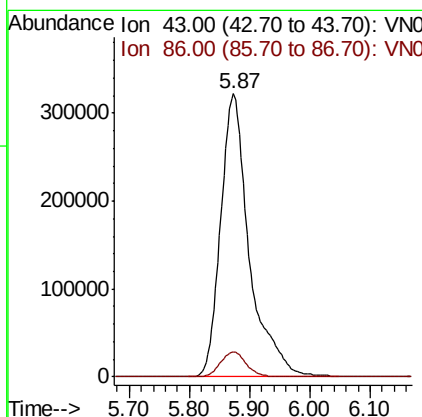
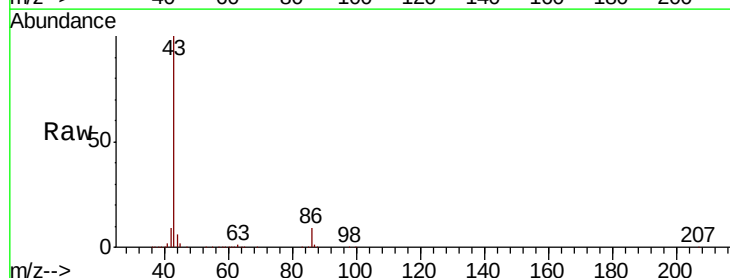
RT: 5.87 min Scan# 1275

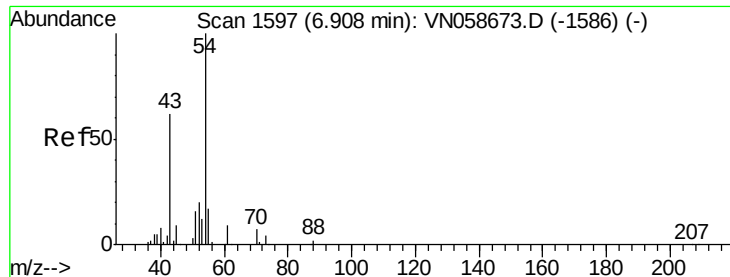
Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion	43	Resp	1061994
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.5	9.7





#43

Ethyl Acetate

Concen: 21.435 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 43 Resp: 115096

Ion Ratio Lower Upper

43 100

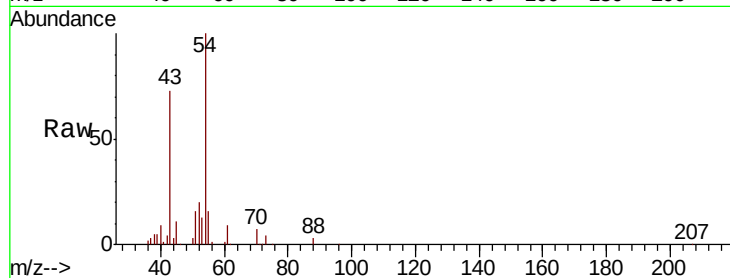
45 13.4 9.7 14.5

Manual Integrations

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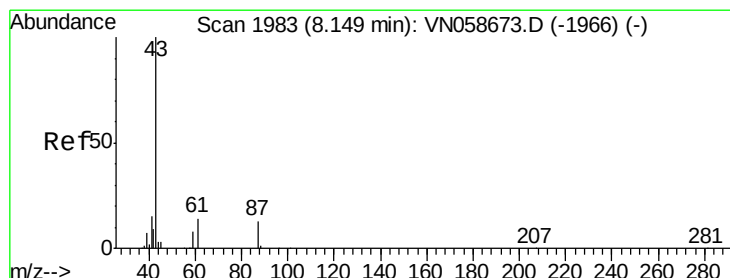
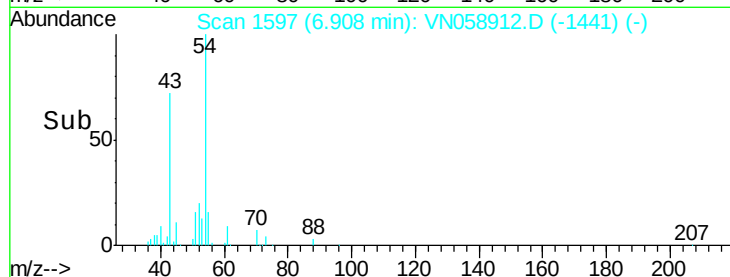
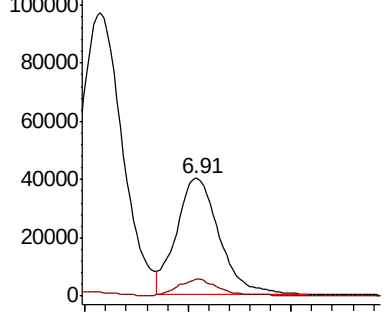
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.540 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058912.D

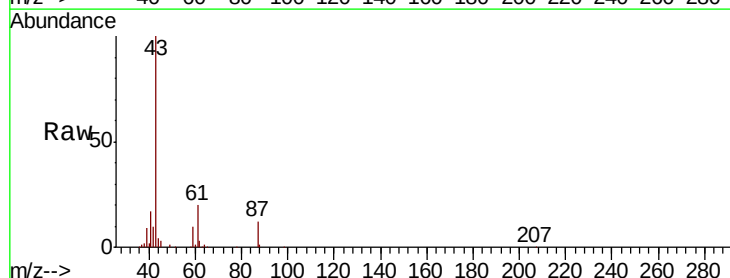
Acq: 22 Oct 2019 16:30

Tgt Ion: 43 Resp: 178645

Ion Ratio Lower Upper

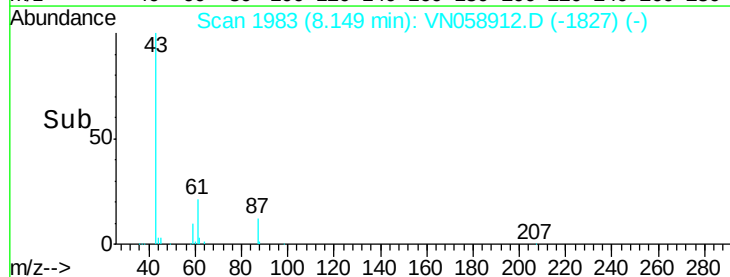
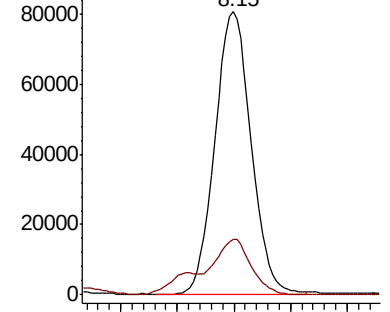
43 100

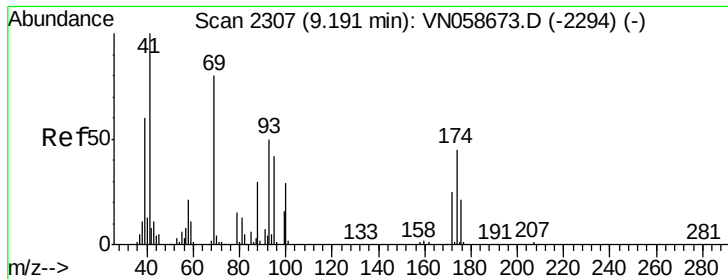
61 19.2 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





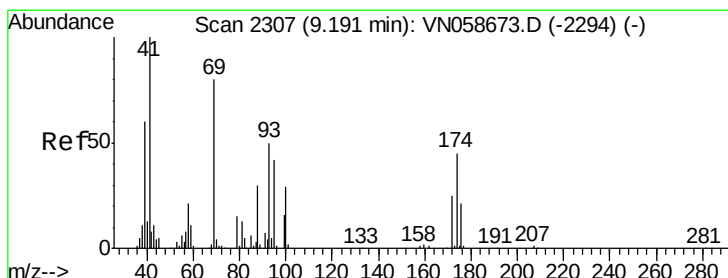
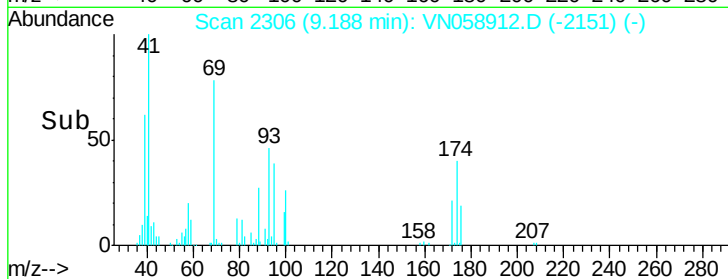
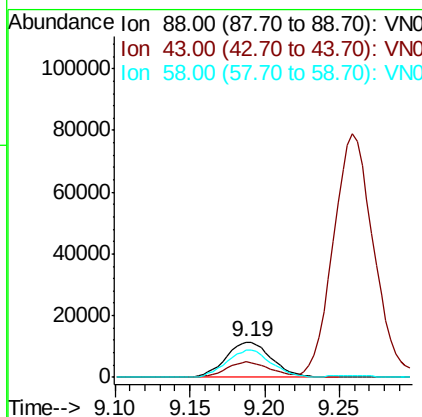
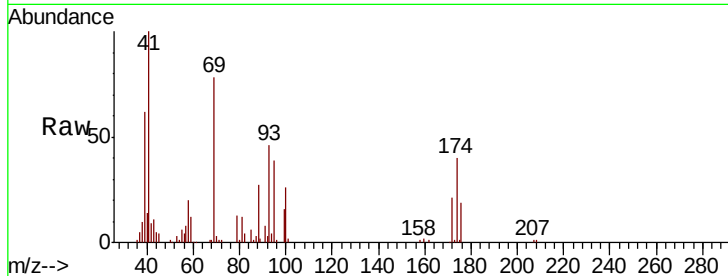
#45
 1,4-Dioxane
 Concen: 368.435 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	29.8	44.8
58	75.0	58.2	87.4

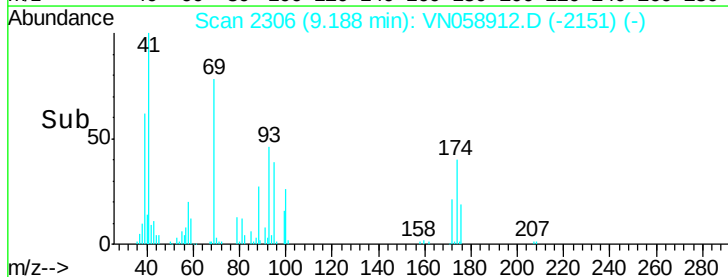
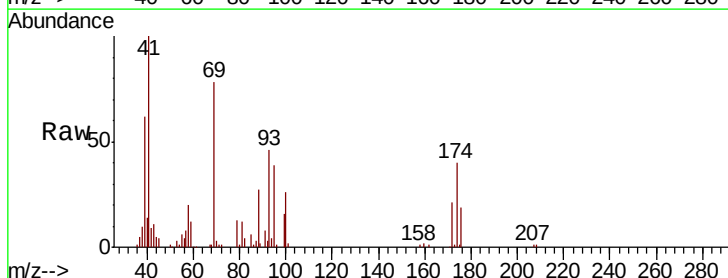
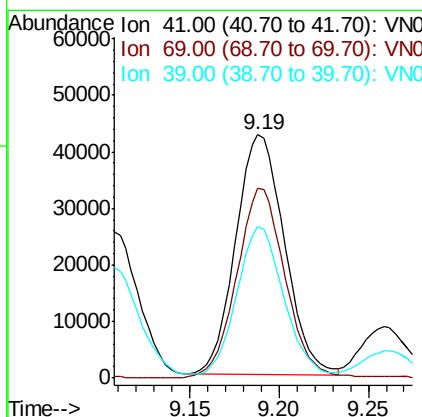
Manual Integrations
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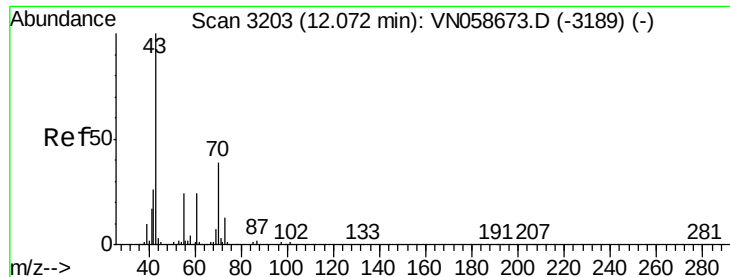
MMDadoda
 10/23/2019 3:09:57 PM



#46
 Methyl methacrylate
 Concen: 20.350 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	40.2	120.5
39	61.3	29.9	89.8





#47

n-amvl Acetate

Concen: 18.866 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 43 Resp: 145458

Ion Ratio Lower Upper

43 100

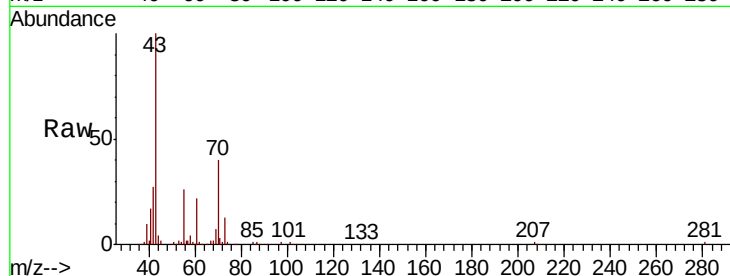
55 26.2 19.6 29.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

100000

80000

60000

40000

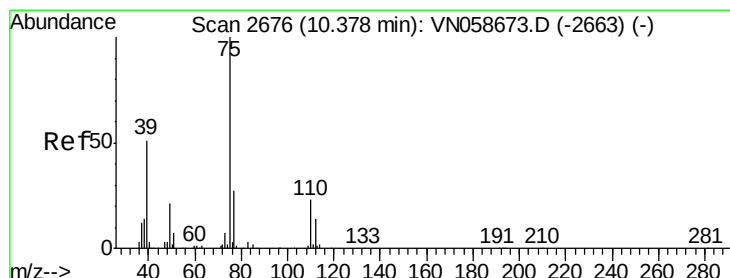
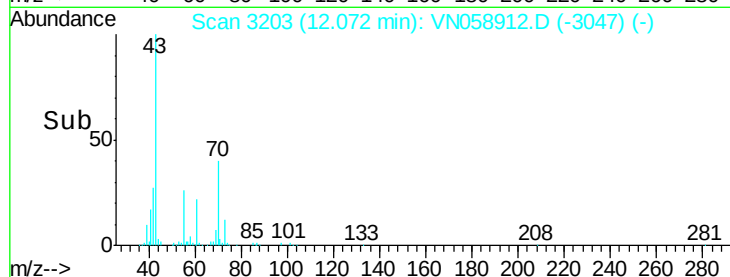
20000

0

12.00

12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.696 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058912.D

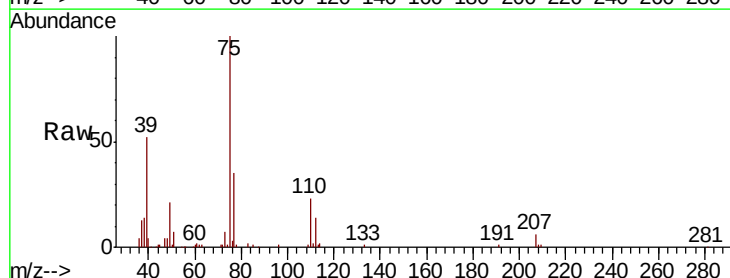
Acq: 22 Oct 2019 16:30

Tgt Ion: 75 Resp: 120566

Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

80000

60000

40000

20000

0

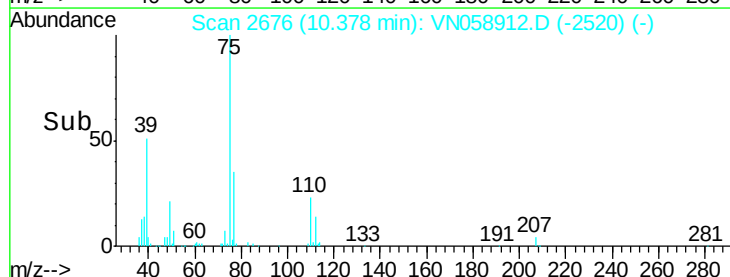
10.30

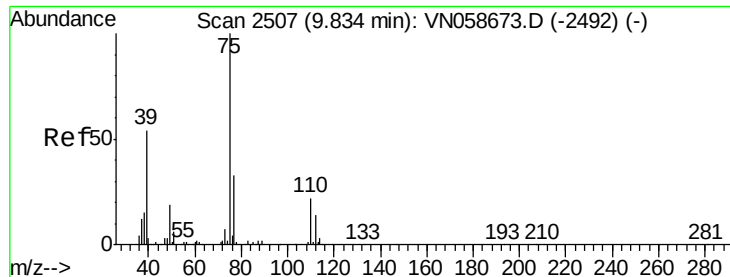
10.35

10.40

10.45

Time-->





#49

cis-1,3-Dichloropropene

Concen: 21.057 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

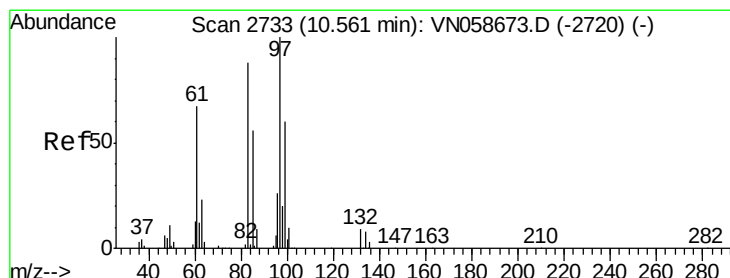
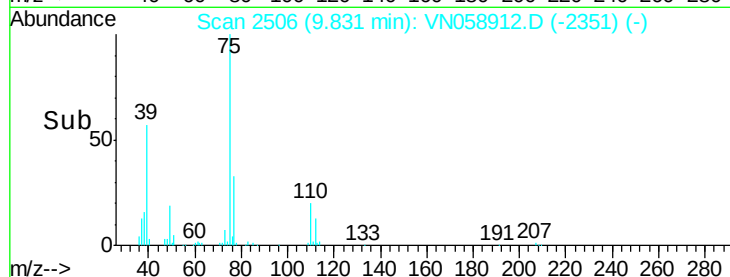
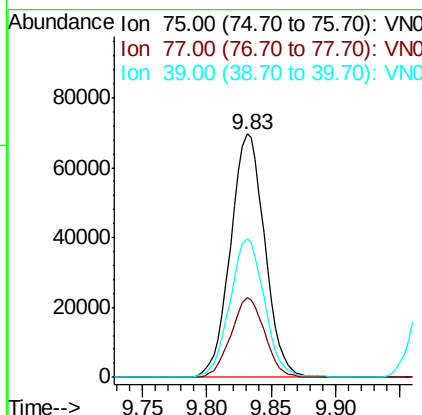
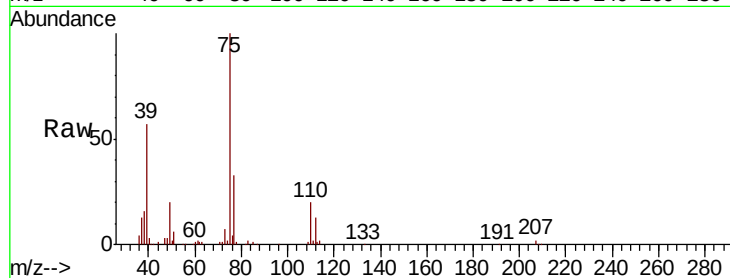
ClientSampleId :

VN1023WBSD01

Tot Ion:	75	Resp:	128817
Ion Ratio		Lower	Upper
75	100		
77	32.5	26.1	39.1
39	57.0	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.732 ug/l

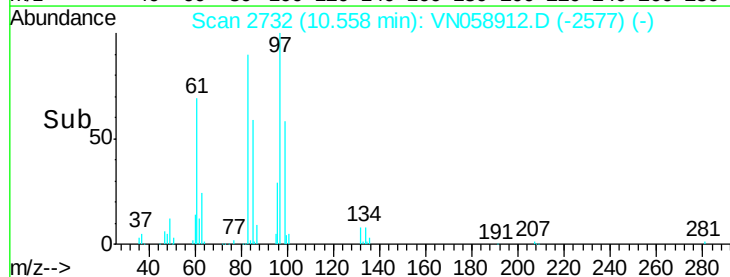
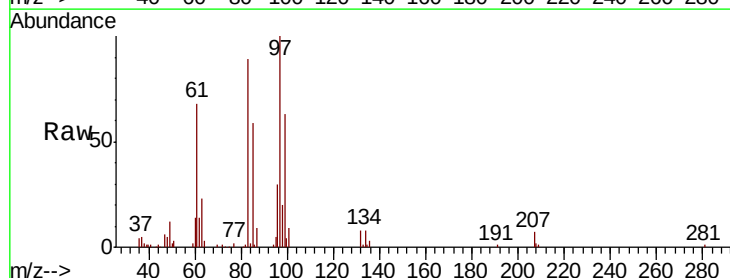
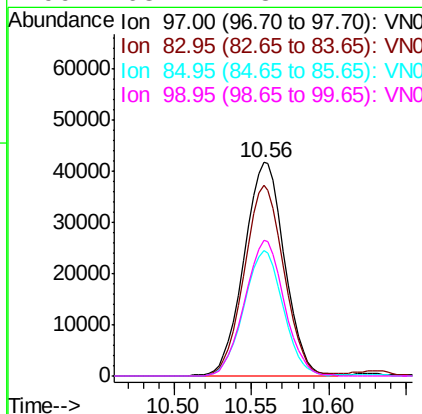
RT: 10.56 min Scan# 2732

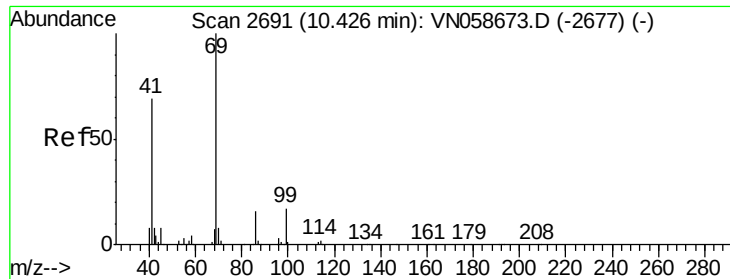
Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion:	97	Resp:	76279
Ion Ratio		Lower	Upper
97	100		
83	89.3	70.7	106.1
85	58.8	45.1	67.7
99	63.4	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.351 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 69 Resp: 108608

Ion Ratio Lower Upper

69 100

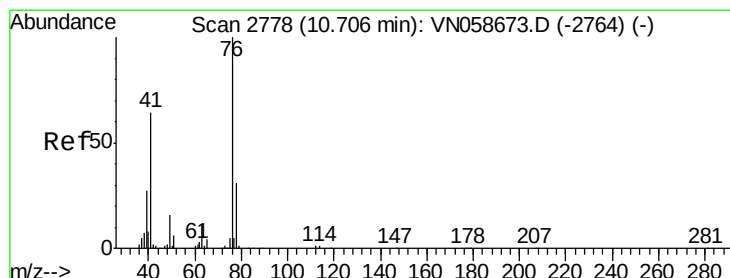
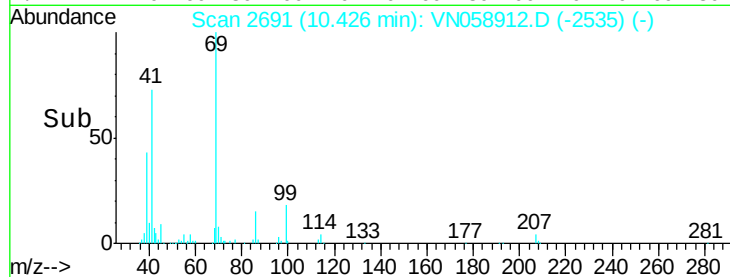
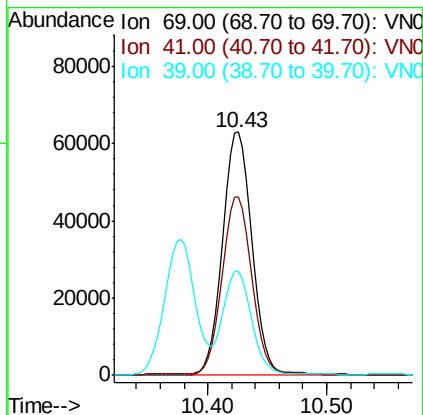
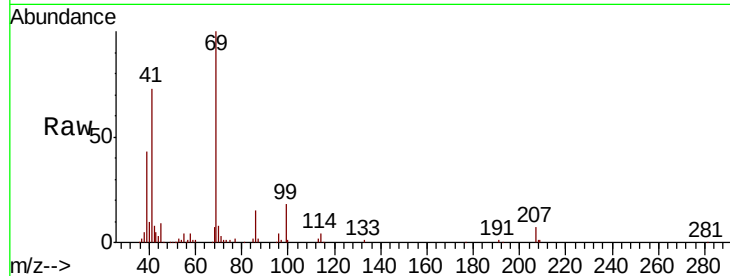
41 72.9 34.7 104.1

39 42.5 20.3 60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.069 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058912.D

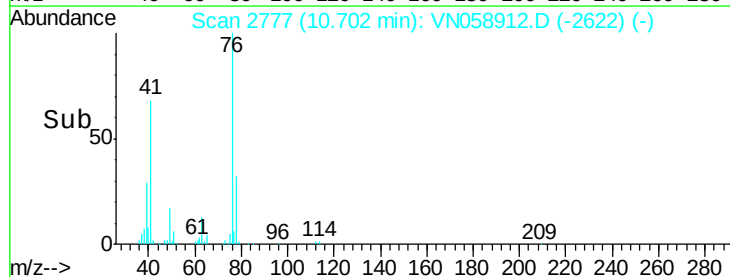
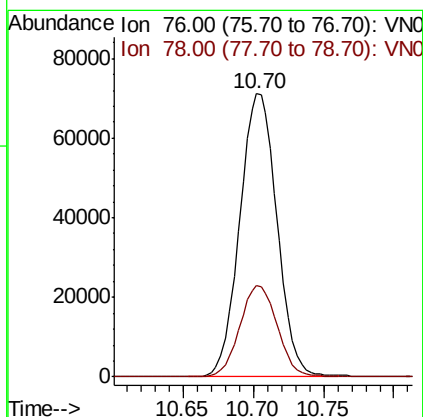
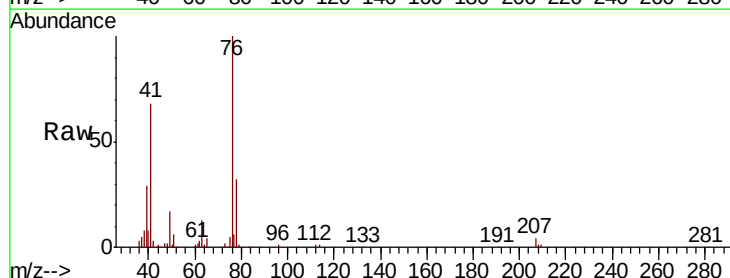
Acq: 22 Oct 2019 16:30

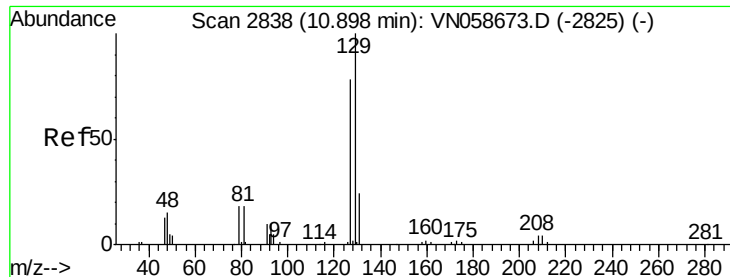
Tgt Ion: 76 Resp: 131704

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.2





#53

Dibromochloromethane

Concen: 21.432 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion:129 Resp: 80734

Ion Ratio Lower Upper

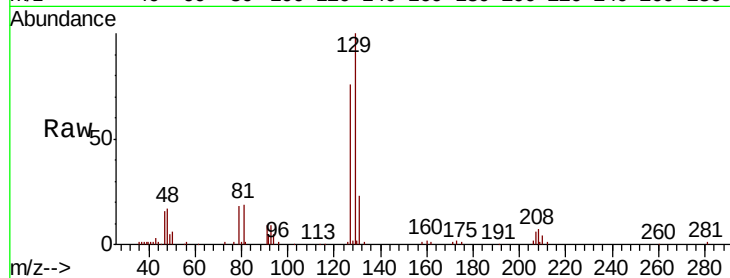
129 100

127 76.2 39.1 117.5

Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

50000

40000

30000

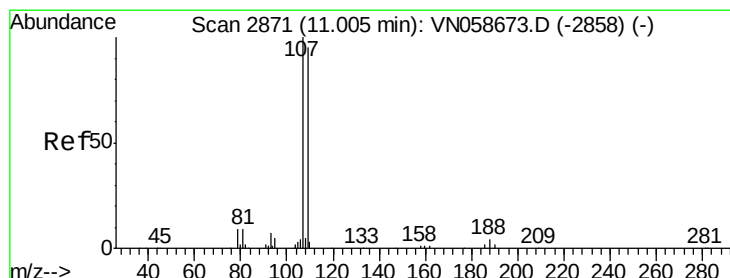
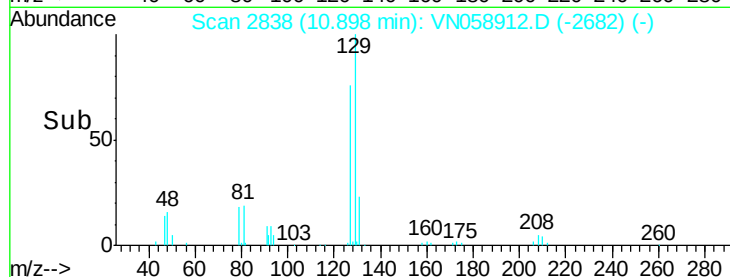
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 21.119 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058912.D

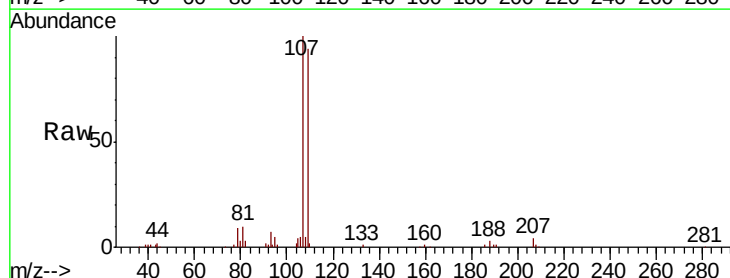
Acq: 22 Oct 2019 16:30

Tgt Ion:107 Resp: 76836

Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

30000

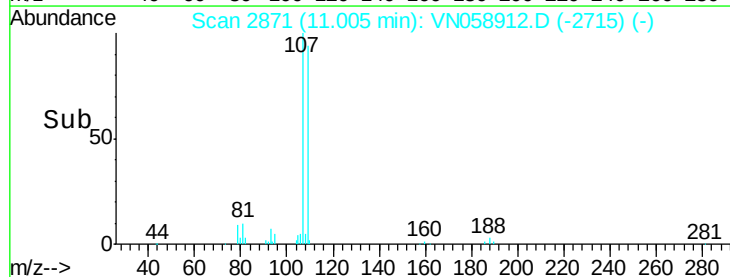
20000

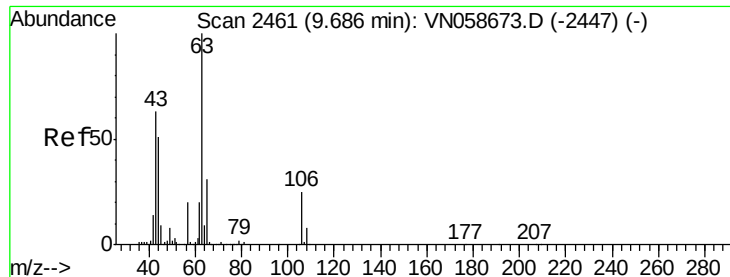
10000

0

10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 93.205 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

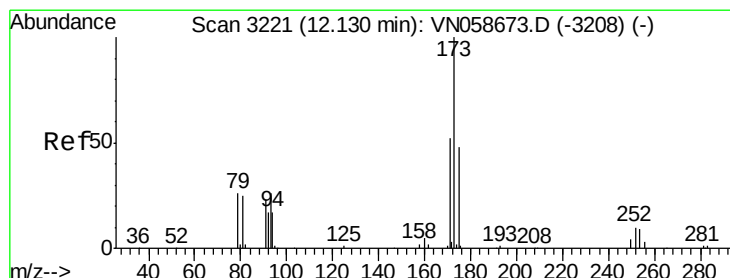
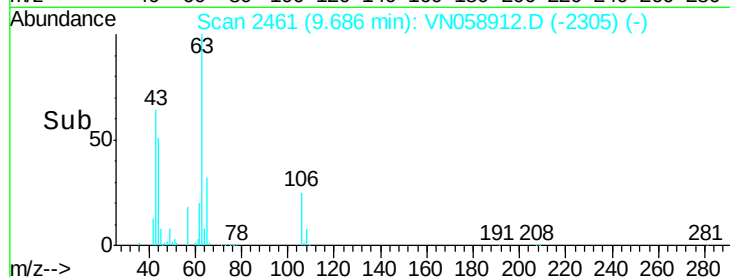
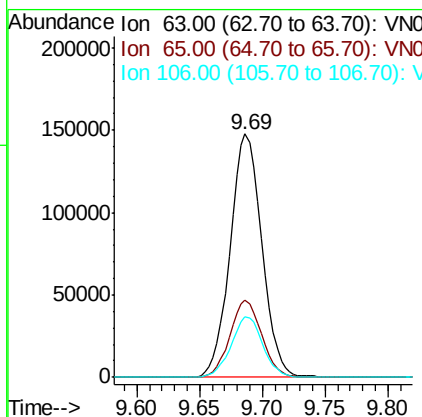
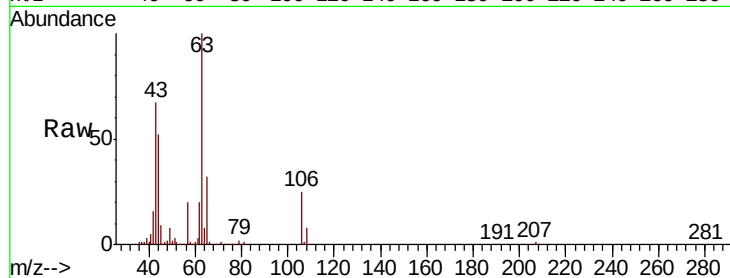
ClientSampleId :

VN1023WBSD01

Tot Ion:	63	Resp:	260217
Ion Ratio	Lower	Upper	
63	100		
65	31.7	25.3	37.9
106	24.7	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 21.187 ug/l

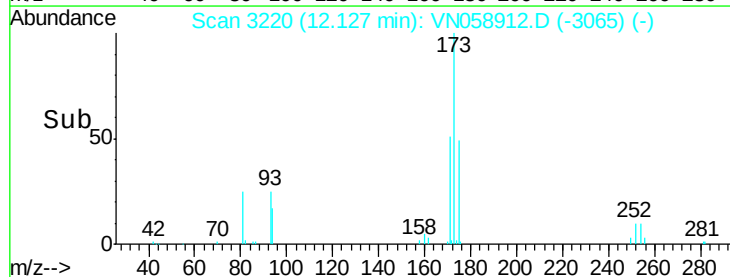
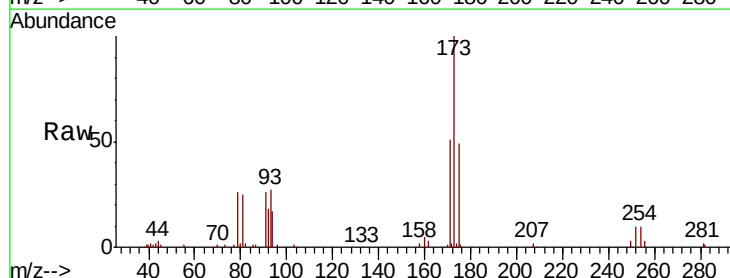
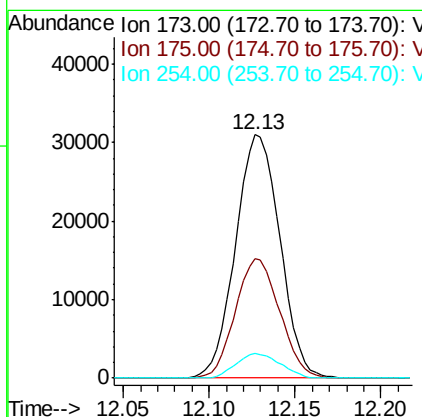
RT: 12.13 min Scan# 3220

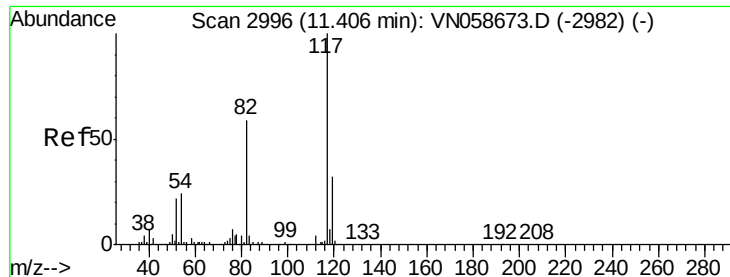
Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion:	173	Resp:	55598
Ion Ratio	Lower	Upper	
173	100		
175	48.9	38.7	58.1
254	10.0	7.4	11.2





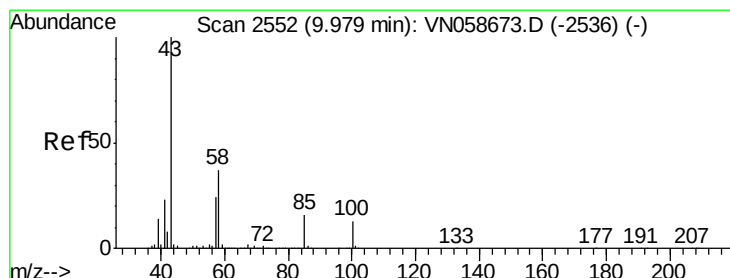
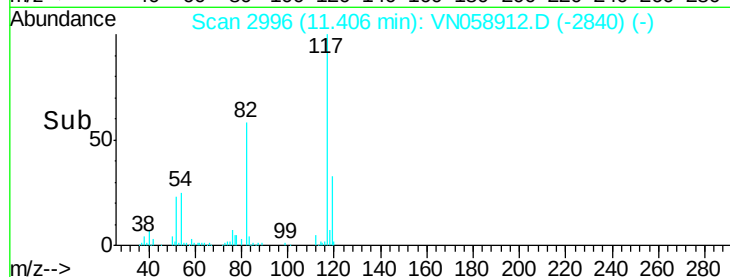
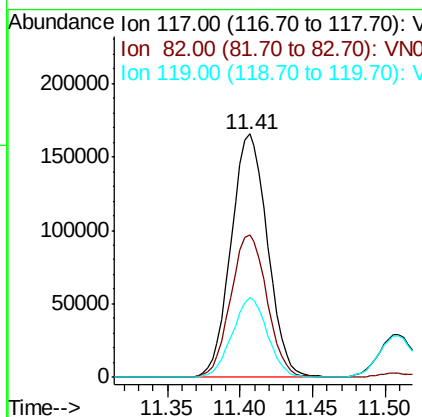
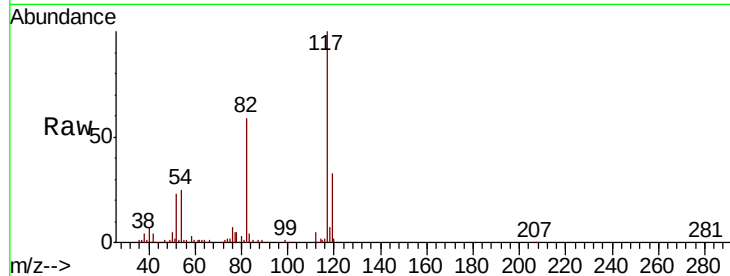
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	31.8	25.8	38.6

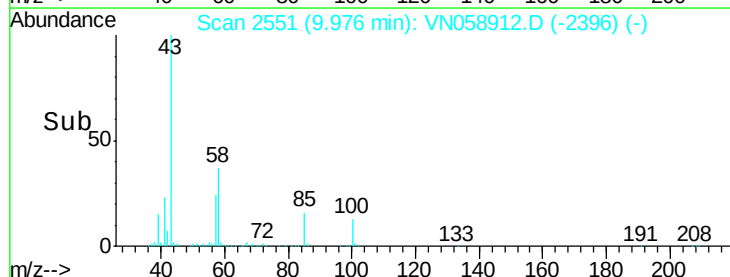
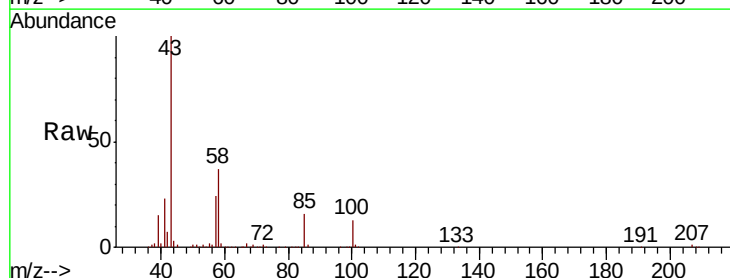
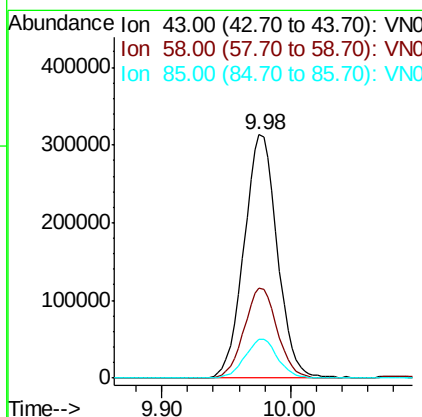
Manual Integrations
APPROVED

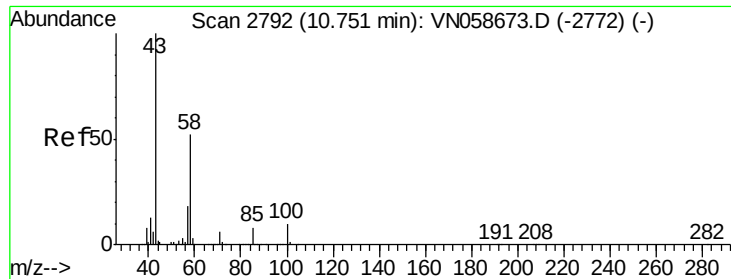
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 106.203 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.1	45.1
85	15.9	13.2	19.8





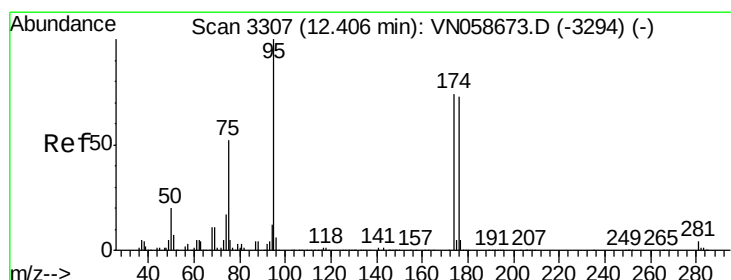
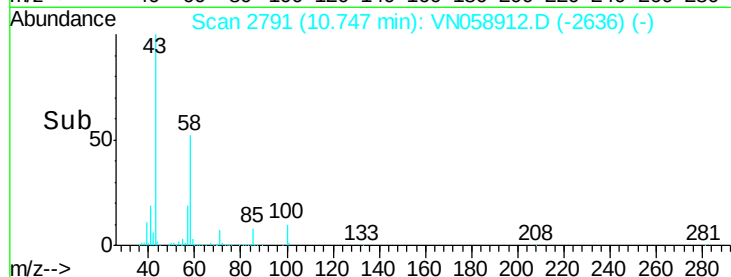
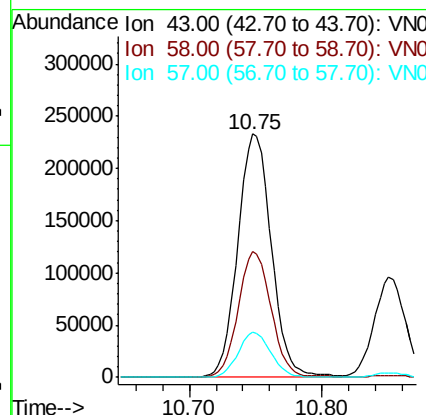
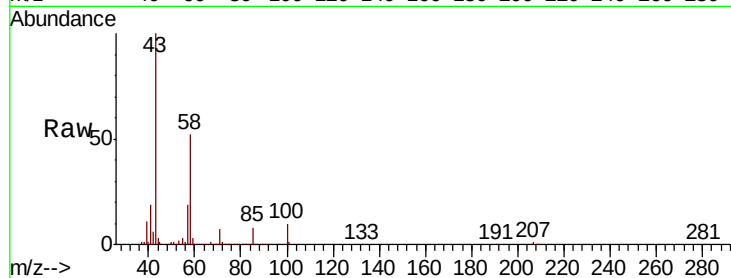
#59
2-Hexanone
Concen: 98.625 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.4	62.0
57	18.3	14.7	22.1

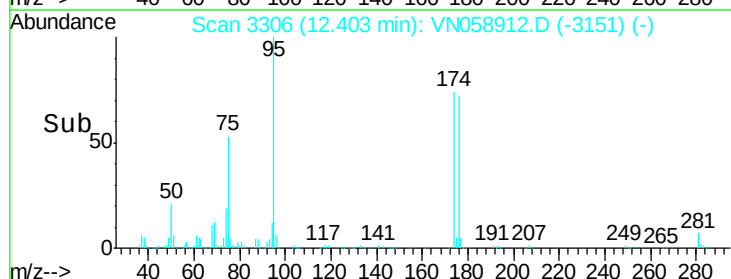
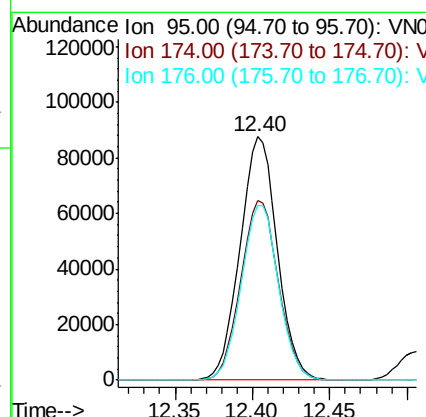
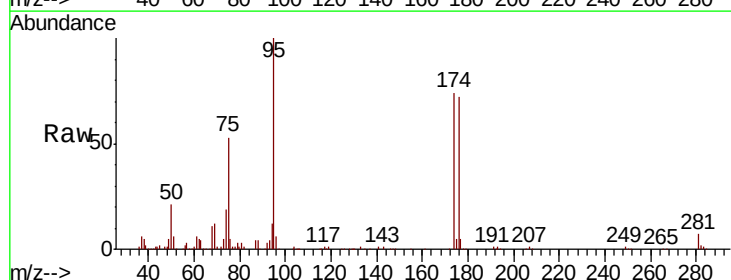
Manual Integrations
APPROVED

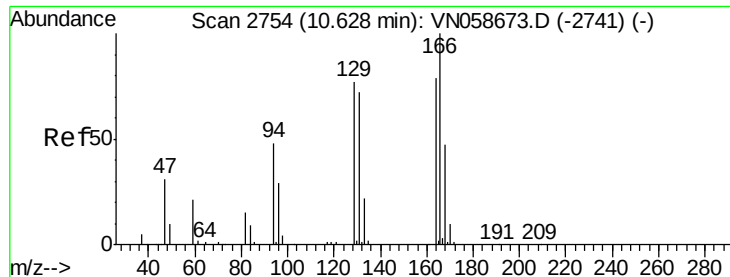
MMDadoda
10/23/2019 3:09:57 PM



#60
4-Bromofluorobenzene
Concen: 28.912 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	59.9	89.9
176	71.9	58.3	87.5





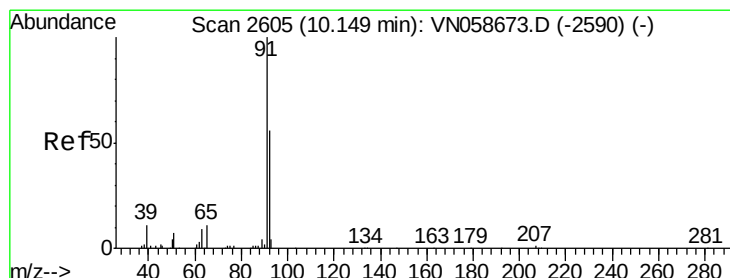
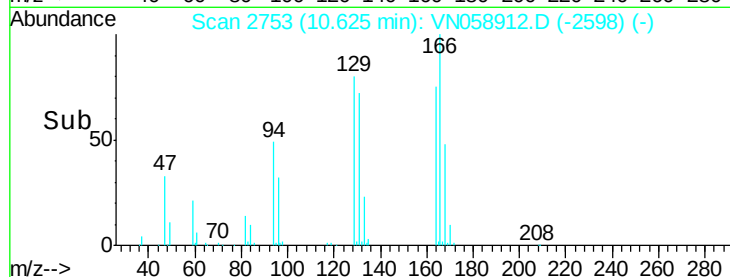
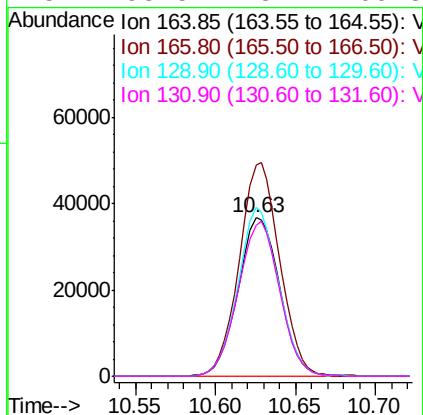
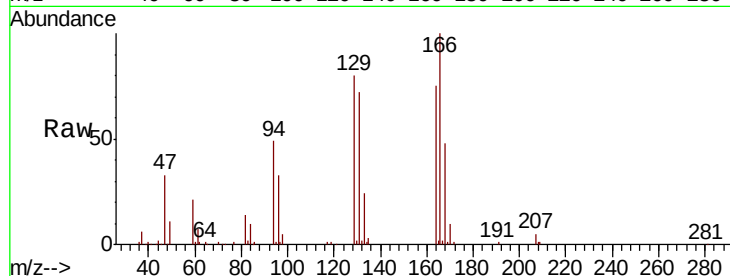
#61
Tetrachloroethene
Concen: 20.844 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	133.3	101.4	152.2
129	106.4	78.1	117.1
131	95.5	73.2	109.8

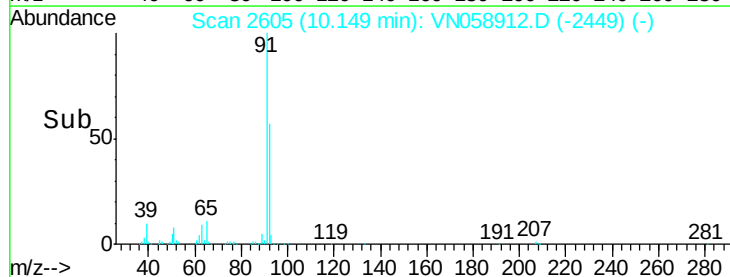
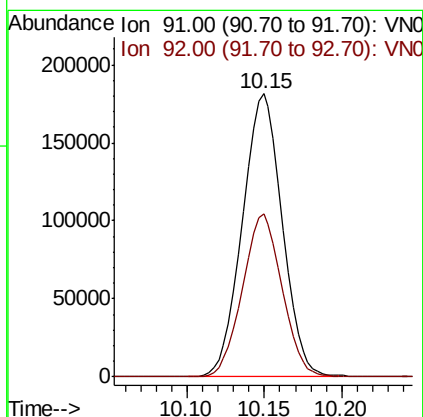
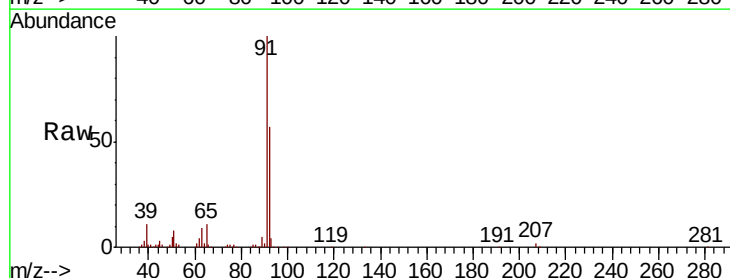
Manual Integrations
APPROVED

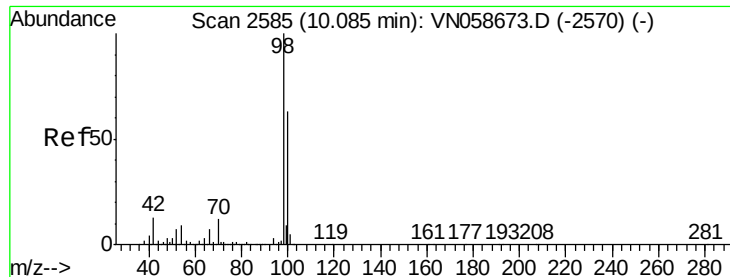
MMDadoda
10/23/2019 3:09:57 PM



#62
Toluene
Concen: 20.899 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.4	68.2





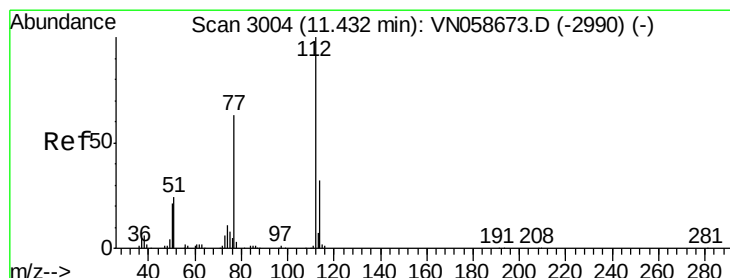
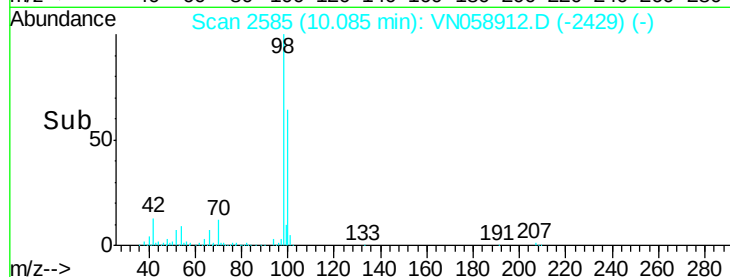
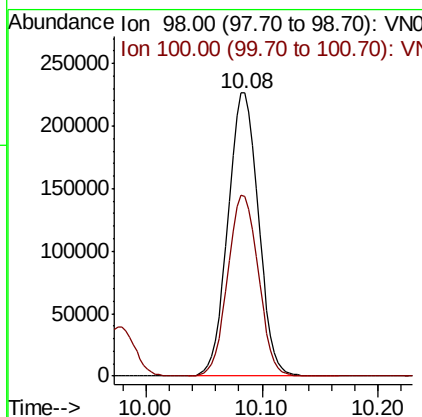
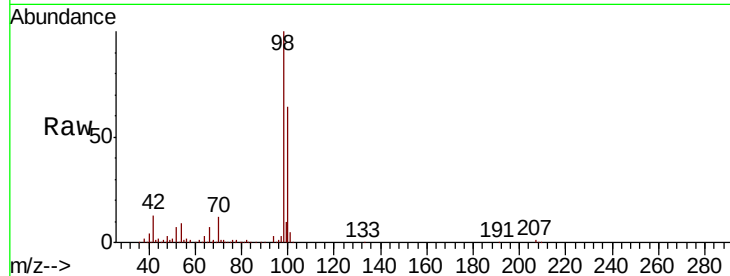
#63
Toluene-d8
Concen: 30.075 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion: 98 Resp: 411988
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8

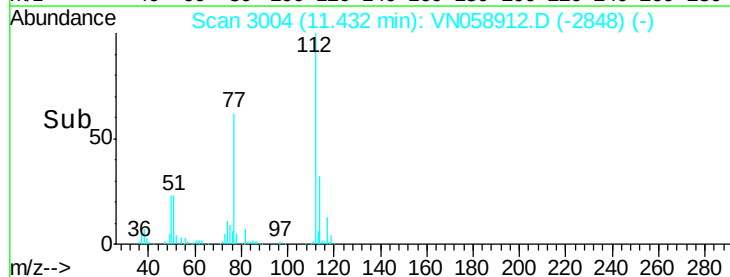
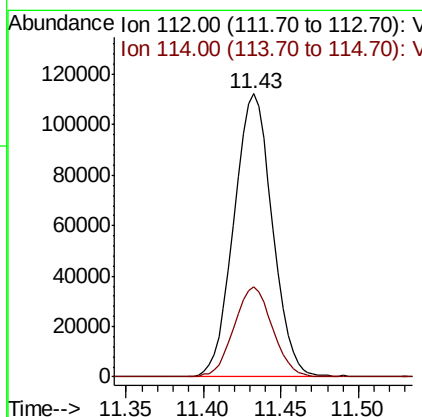
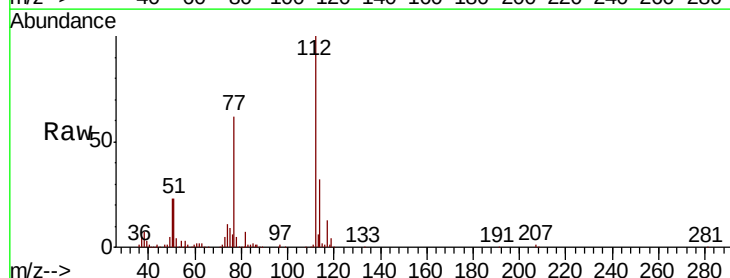
Manual Integrations
APPROVED

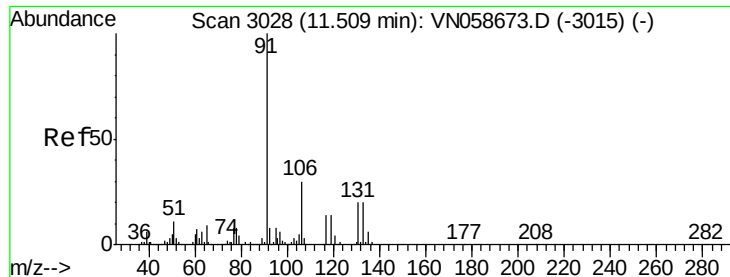
MMDadoda
10/23/2019 3:09:57 PM



#64
Chlorobenzene
Concen: 20.331 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion: 112 Resp: 193979
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.841 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

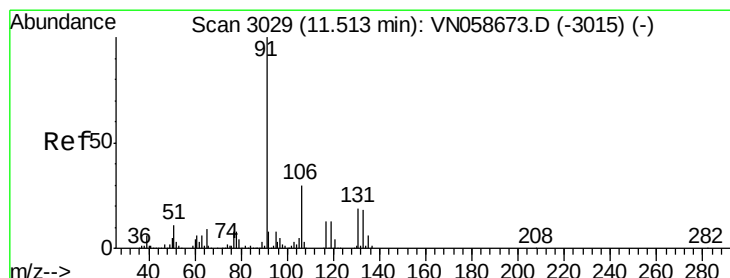
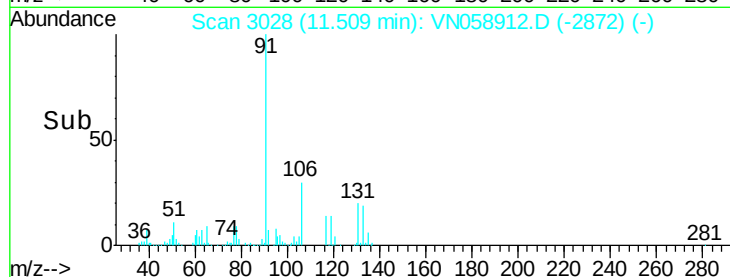
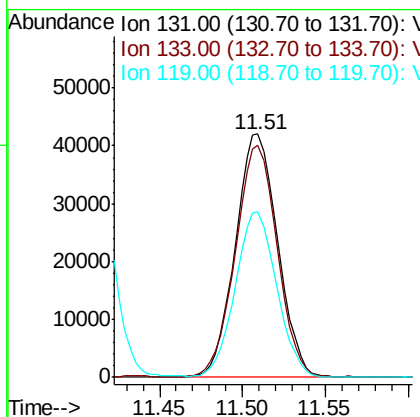
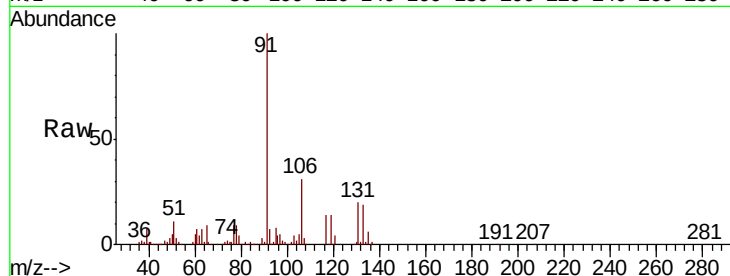
ClientSampleId :

VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	194.0
119	66.8	0.0	136.8

Manual Integrations
APPROVED

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#66

Ethyl Benzene

Concen: 20.132 ug/l

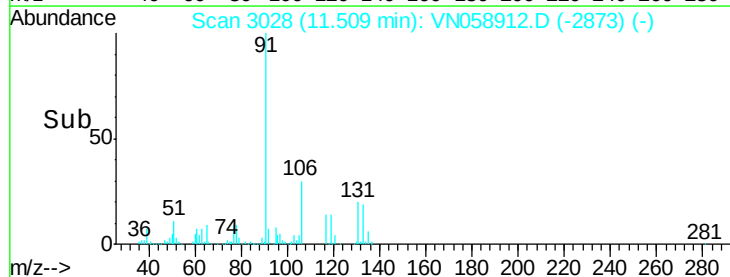
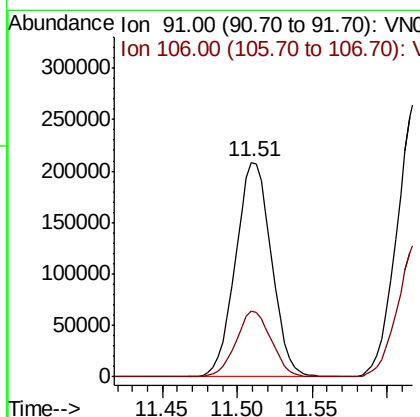
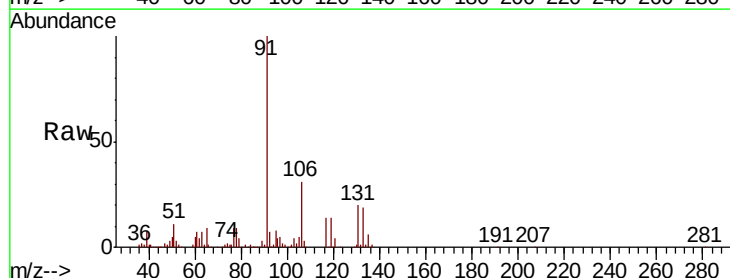
RT: 11.51 min Scan# 3028

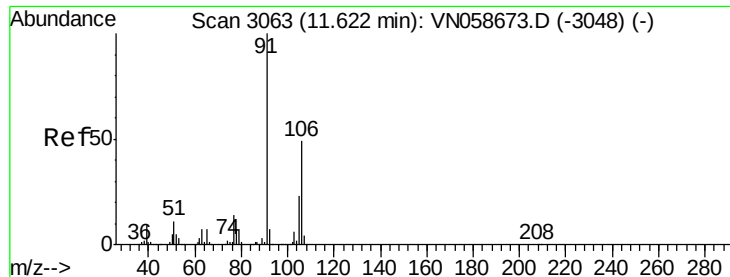
Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4





#67

m/p-Xylenes

Concen: 39.844 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion:106 Resp: 257235

Ion Ratio Lower Upper

106 100

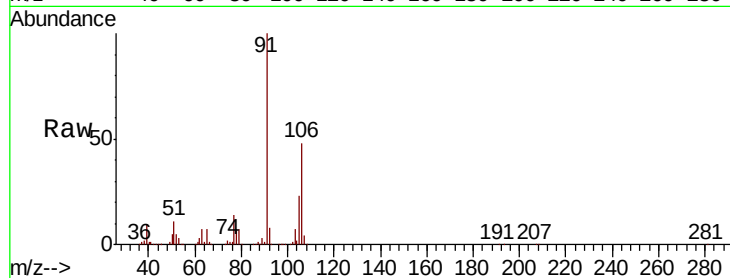
91 209.3 165.6 248.4

Manual Integrations

APPROVED

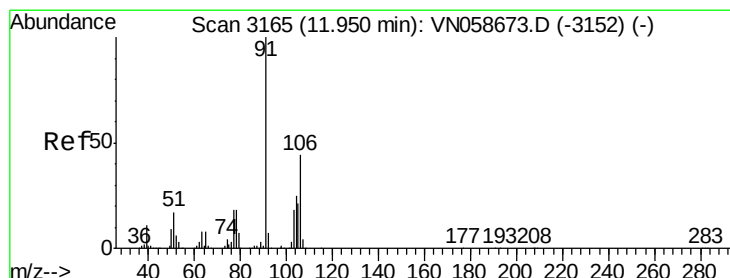
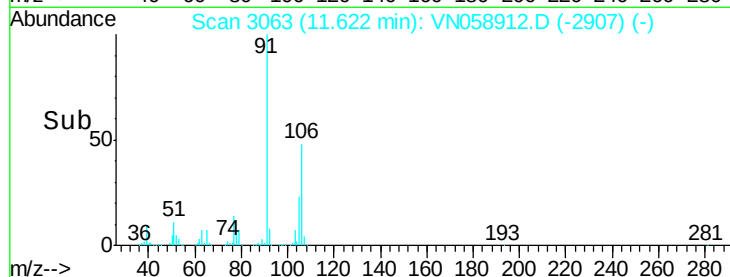
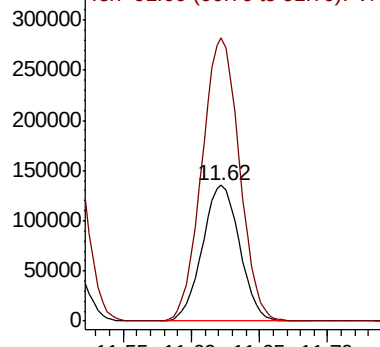
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.380 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058912.D

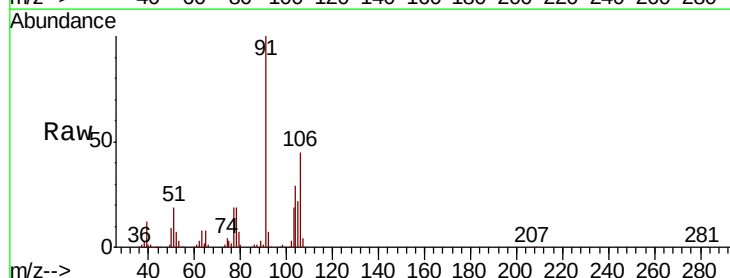
Acq: 22 Oct 2019 16:30

Tgt Ion:106 Resp: 121294

Ion Ratio Lower Upper

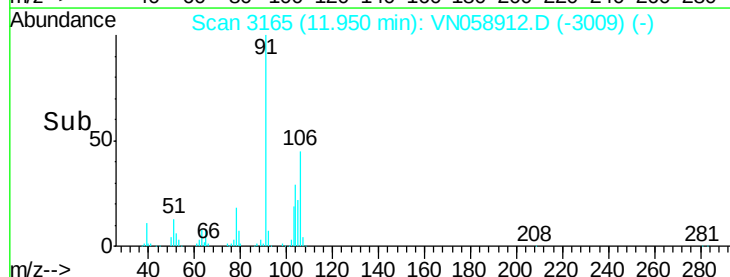
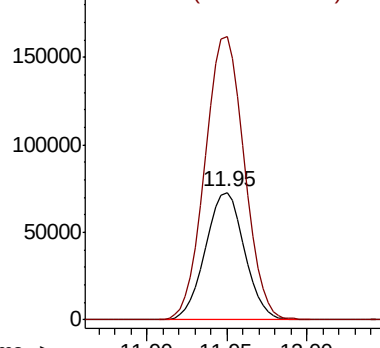
106 100

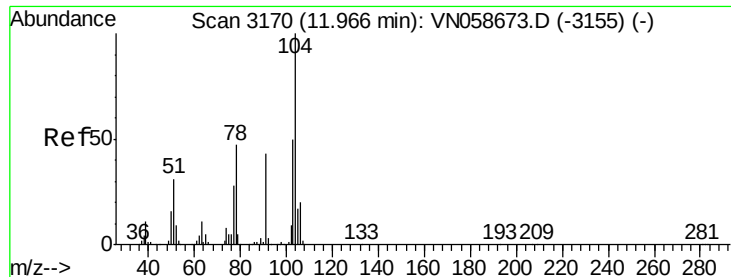
91 224.0 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





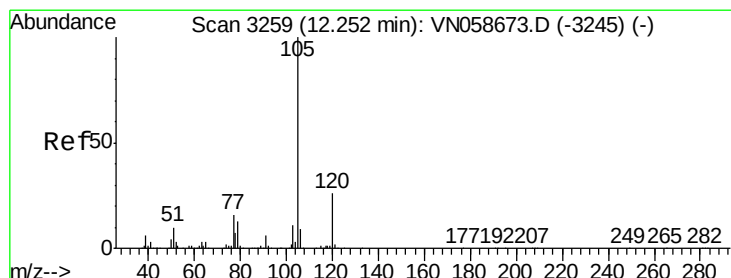
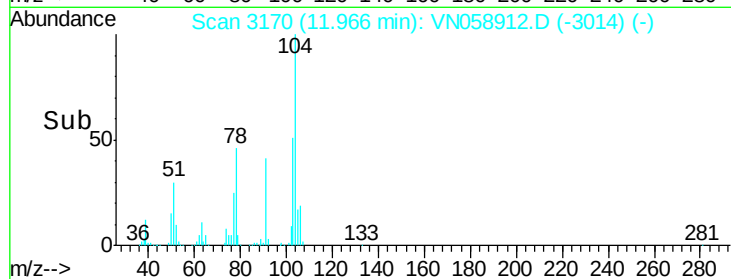
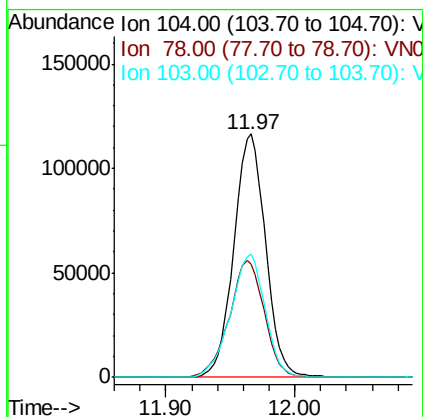
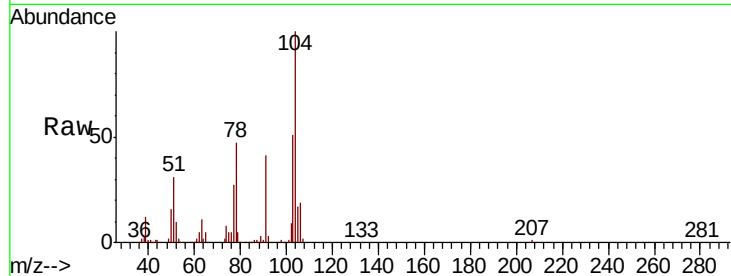
#69
Stvrene
Concen: 19.309 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	199650		
78	53.1		42.4	63.6
103	55.2		44.6	66.8

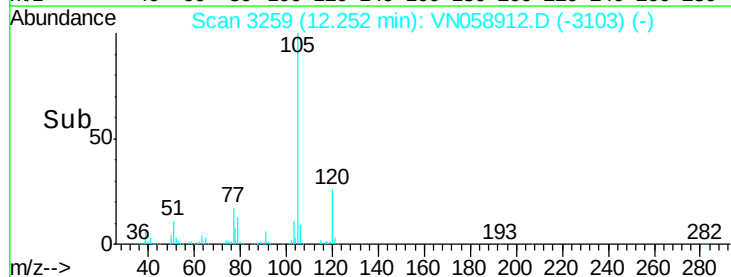
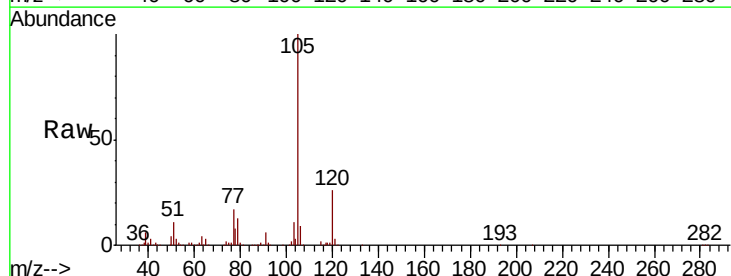
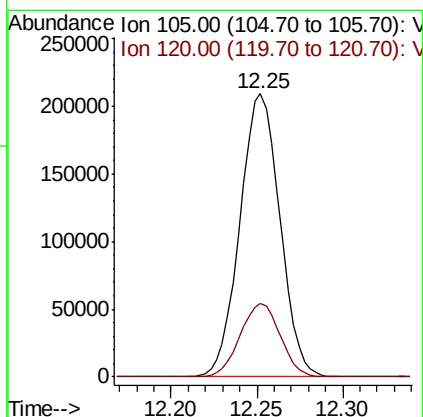
Manual Integrations
APPROVED

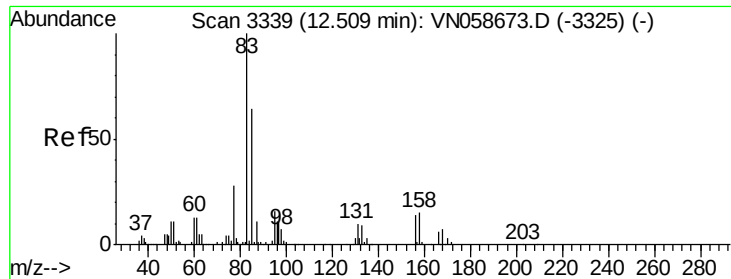
MMDadoda
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#70
Isopropylbenzene
Concen: 19.994 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	337841		
120	26.0		18.4	34.2





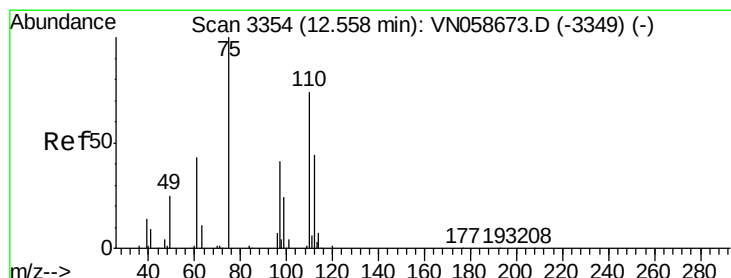
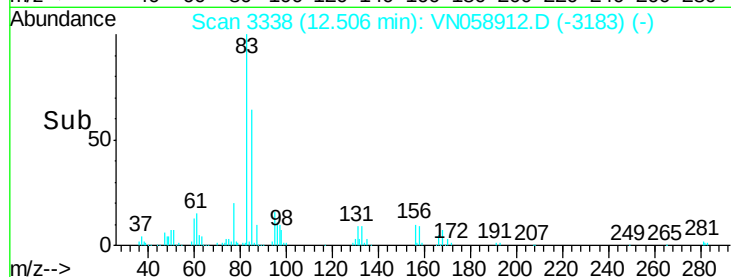
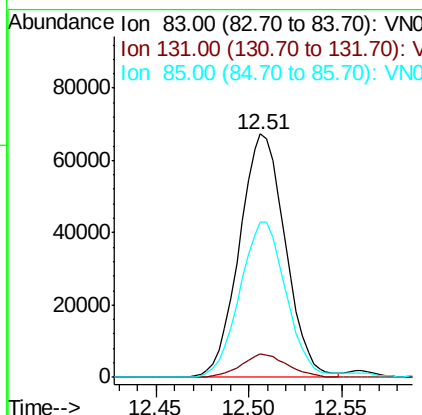
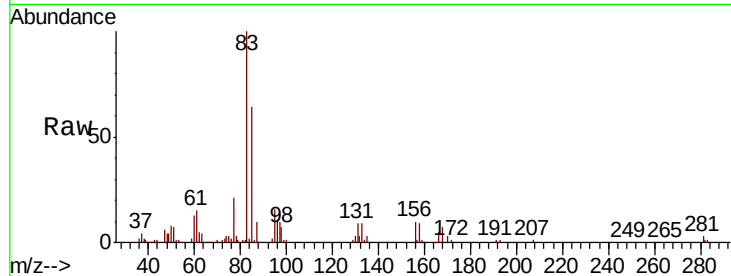
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.313 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.9	14.7	
85	64.5	31.6	94.7	

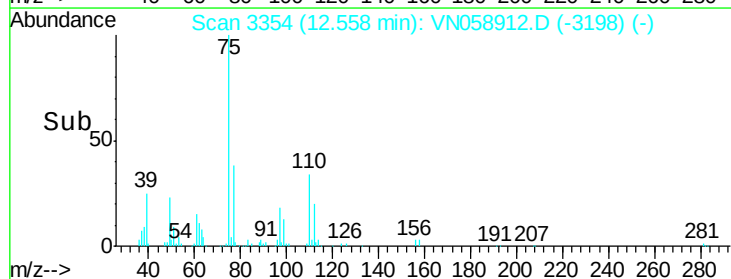
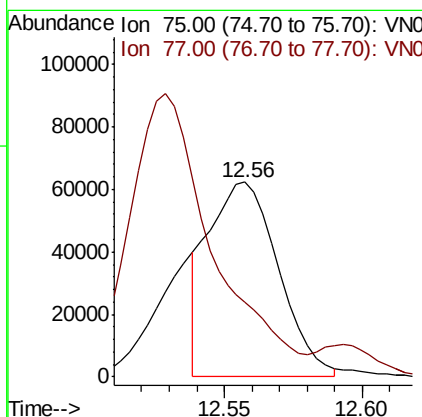
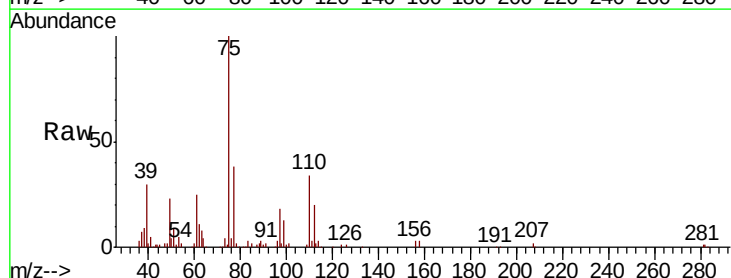
Manual Integrations
 APPROVED

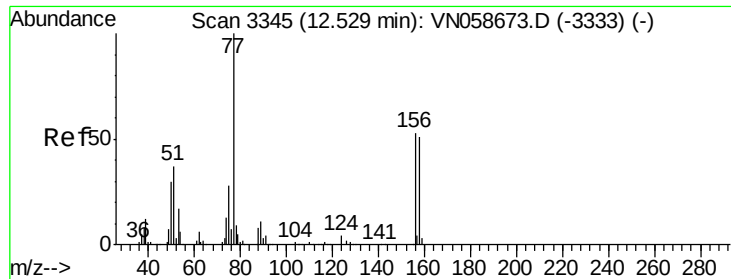
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 21.362 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	171.7	0.0	359.4	





#73

Bromobenzene

Concen: 20.102 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

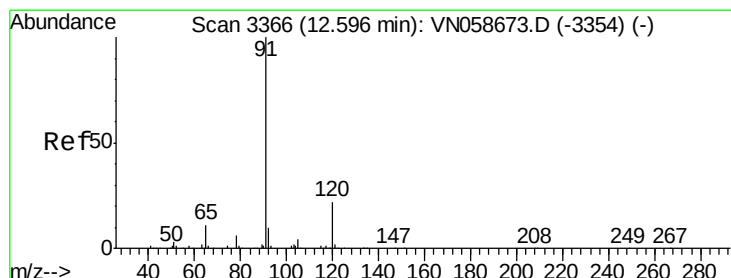
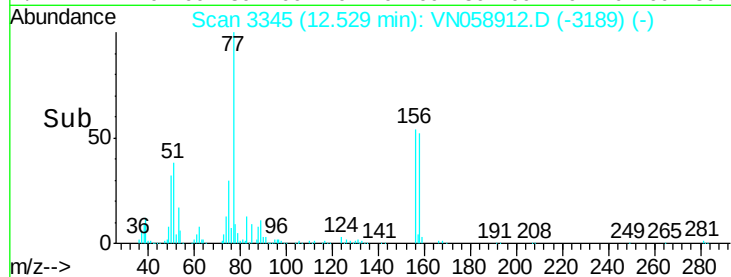
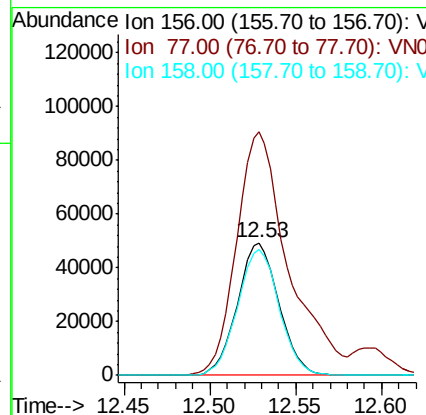
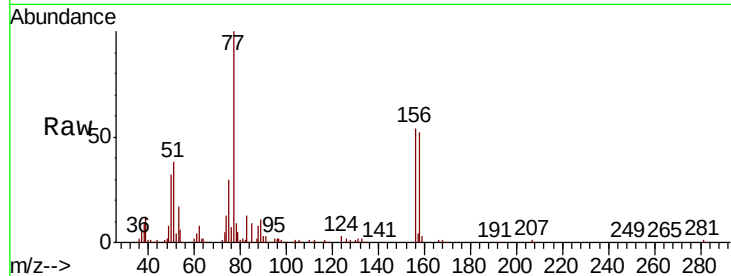
ClientSampleId :

VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.2	0.0	456.0
158	95.8	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 20.241 ug/l

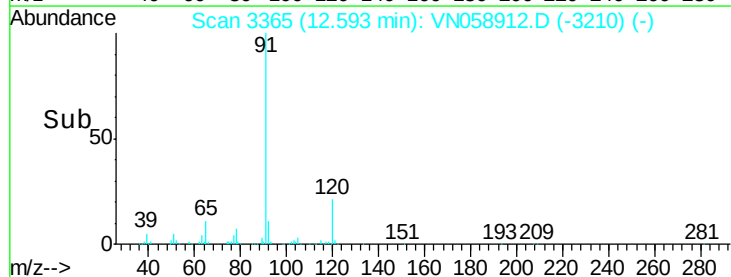
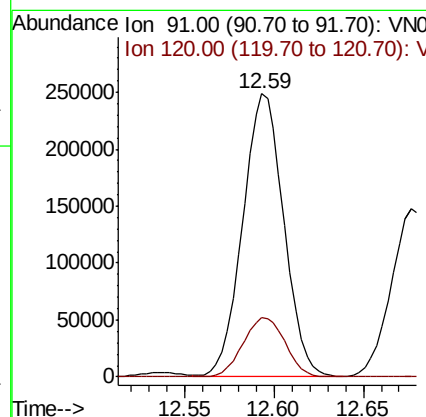
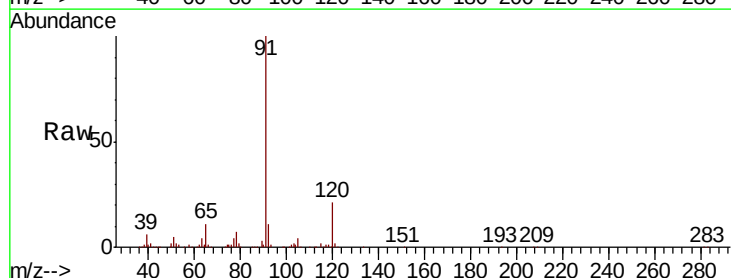
RT: 12.59 min Scan# 3365

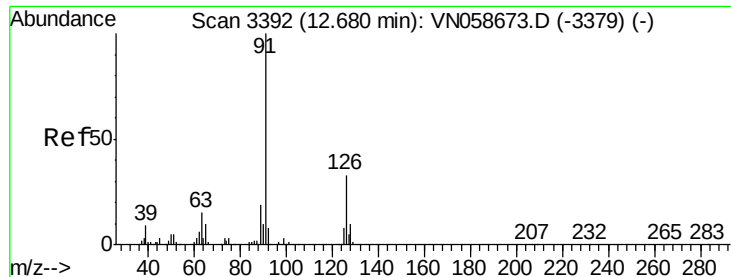
Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.276 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 91 Resp: 241284

Ion Ratio Lower Upper

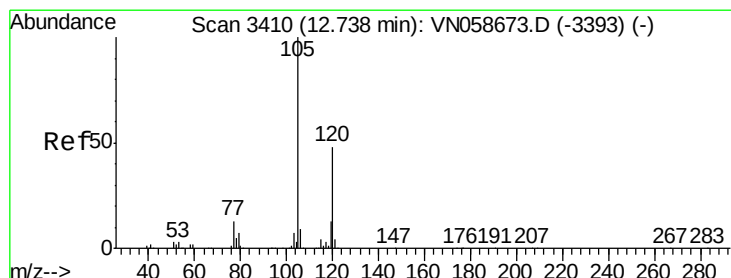
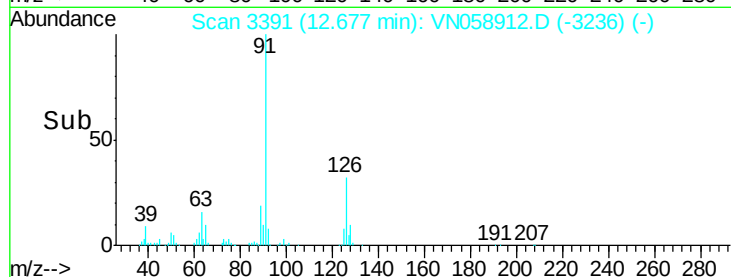
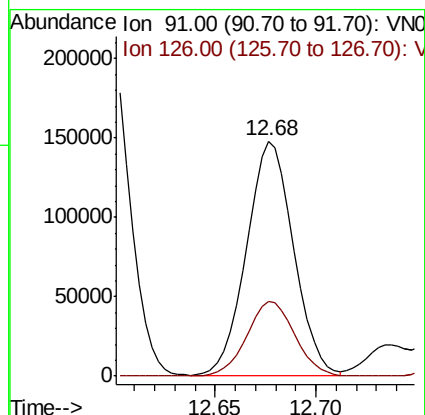
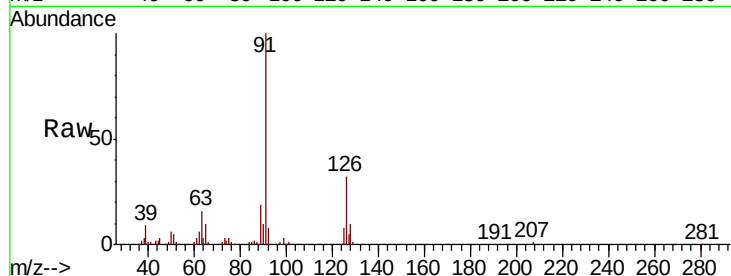
91 100

126 32.4 0.0 65.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.982 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058912.D

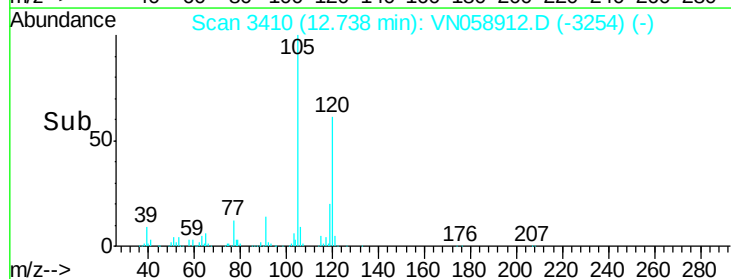
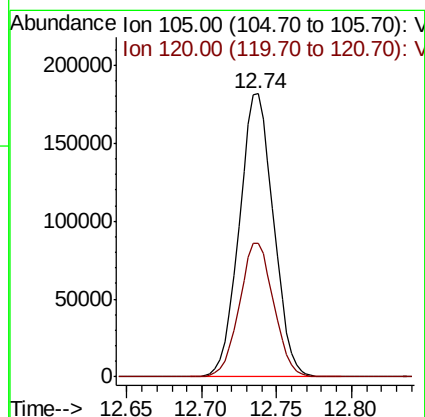
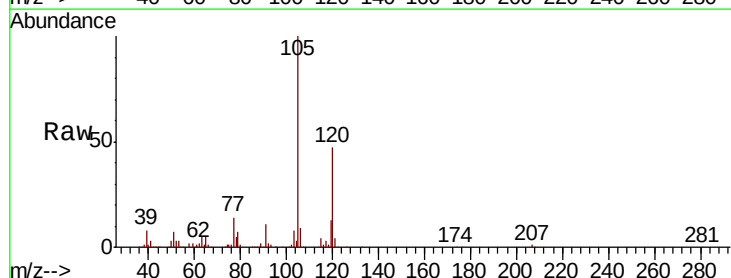
Acq: 22 Oct 2019 16:30

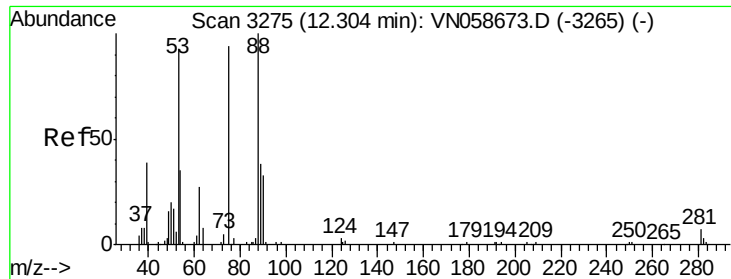
Tgt Ion: 105 Resp: 289187

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.0





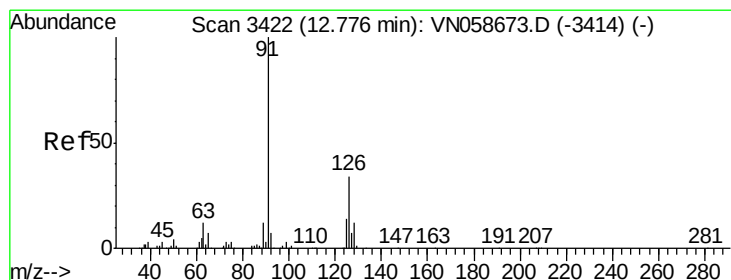
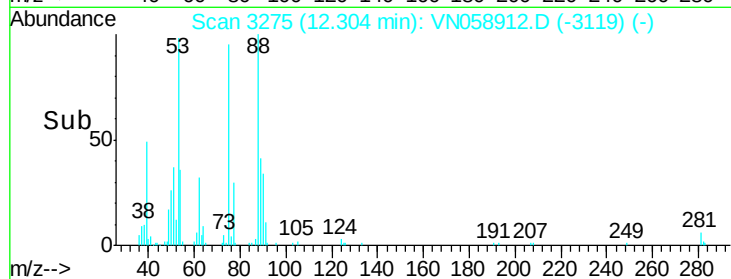
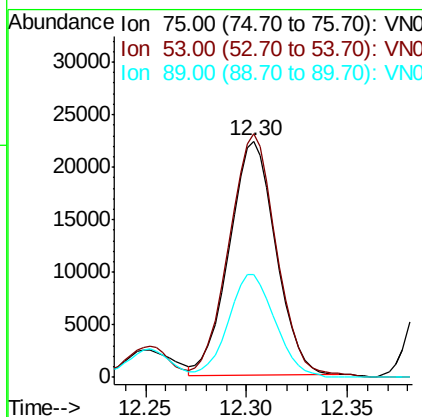
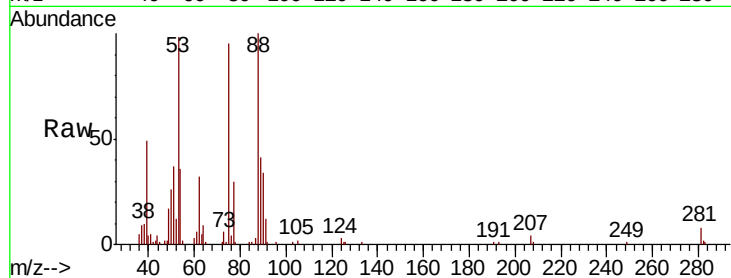
#77
t-1,4-Dichloro-2-butene
Concen: 18.424 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	50.0	150.0
89	44.0	20.7	62.1

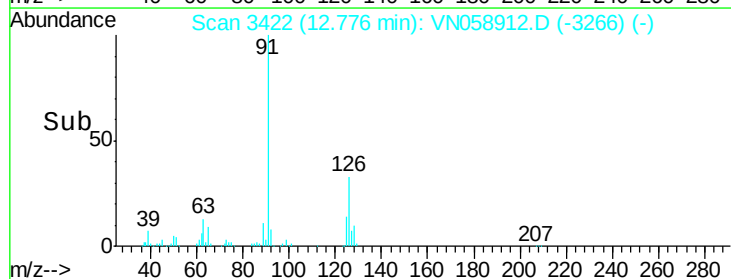
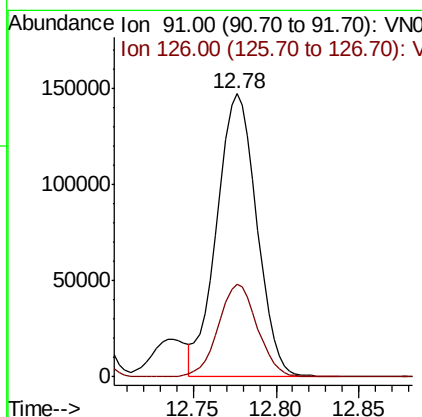
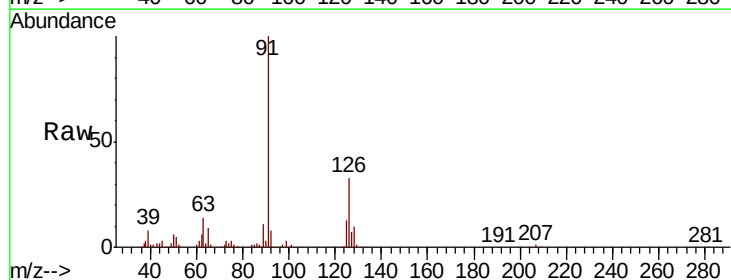
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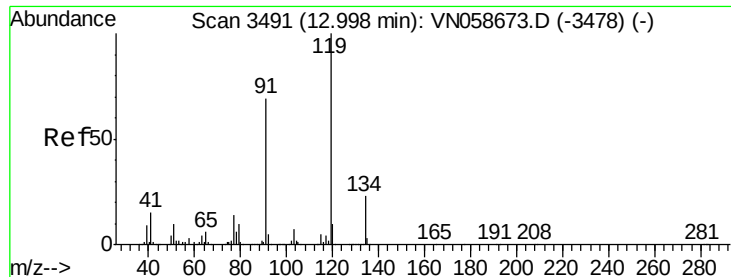
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#78
4-Chlorotoluene
Concen: 19.991 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	63.4





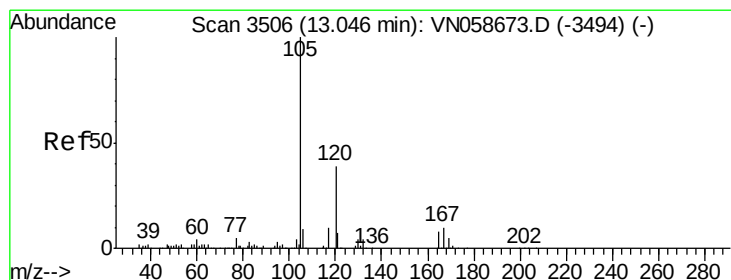
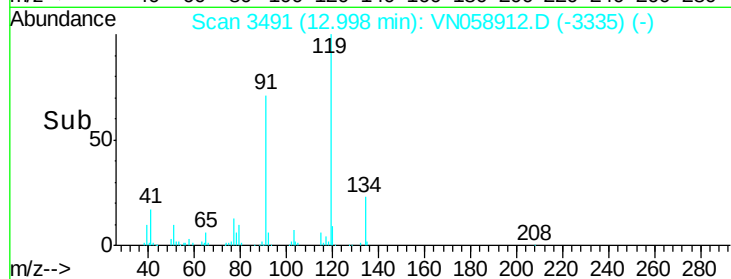
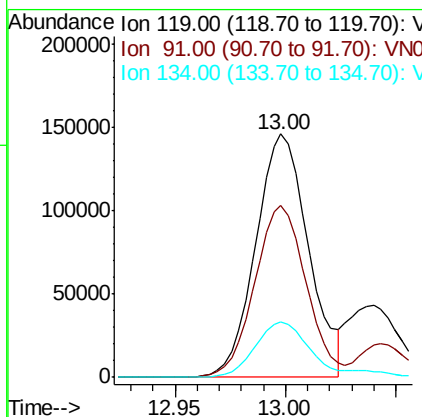
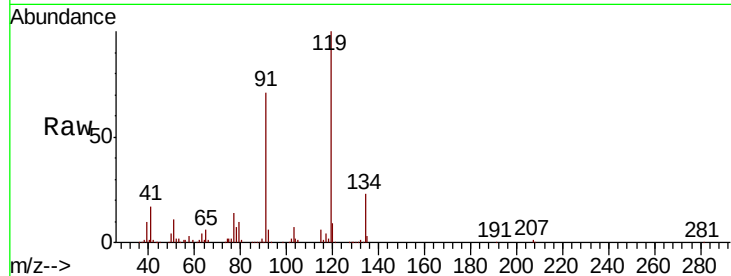
#79
tert-butylbenzene
Concen: 19.580 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242097		
91	69.1	0.0	136.4	
134	23.0	0.0	47.2	

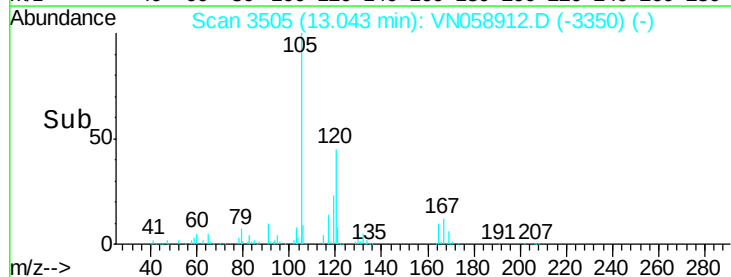
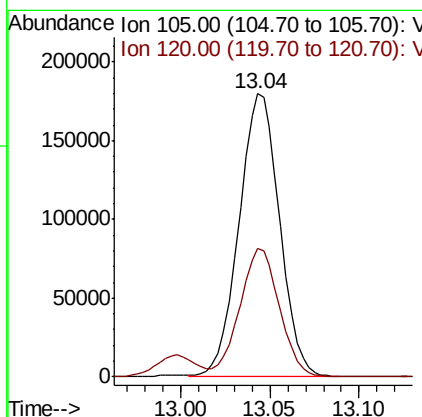
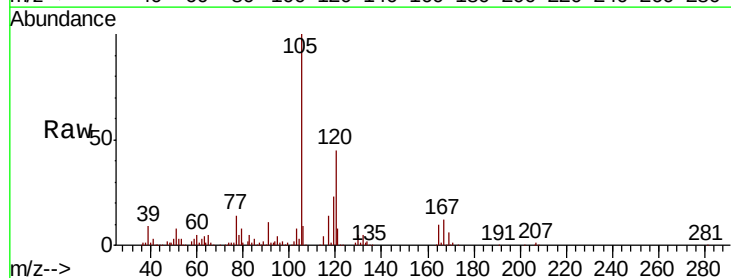
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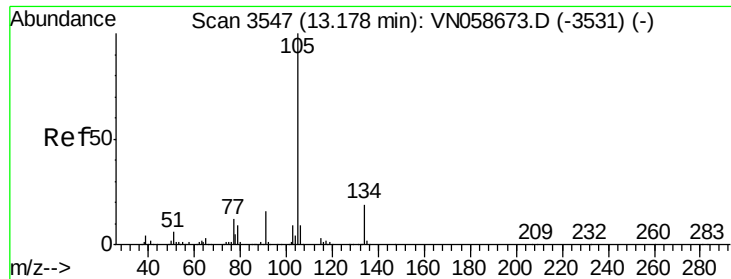
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#80
1,2,4-Trimethylbenzene
Concen: 19.878 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285864		
120	44.2	0.0	89.2	





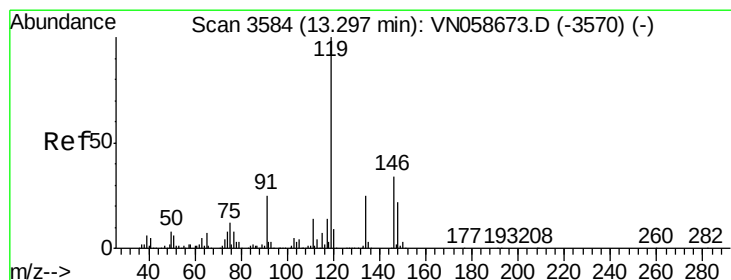
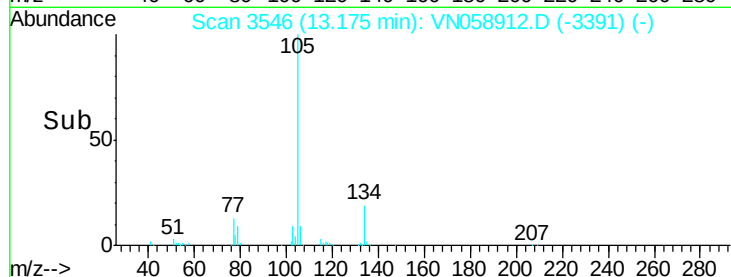
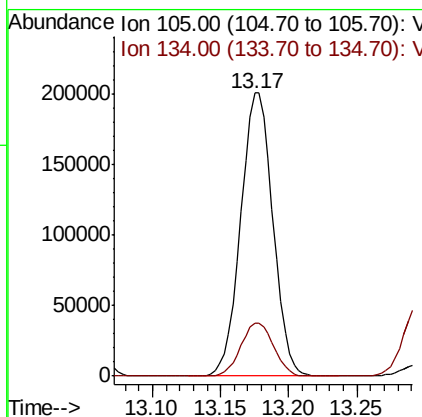
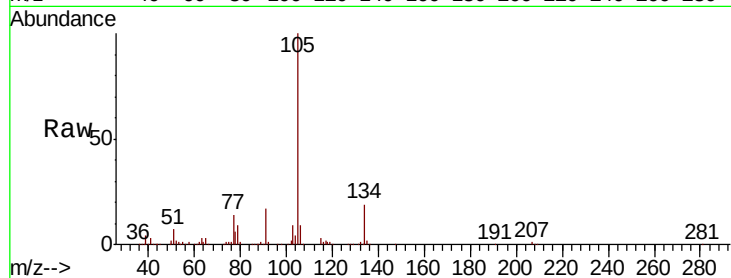
#81
 sec-Butylbenzene
 Concen: 19.681 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	327490		
134	19.2	0.0	38.0	

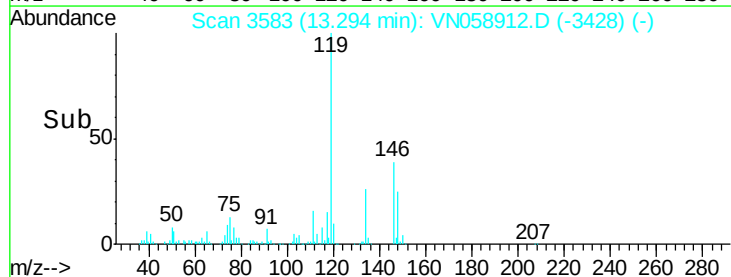
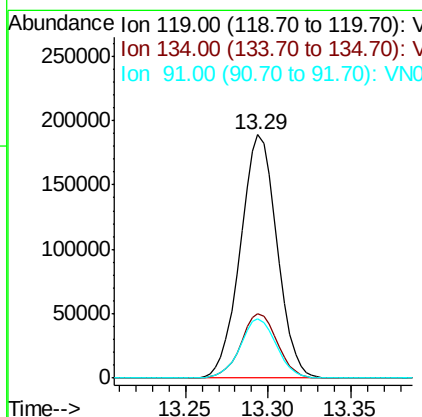
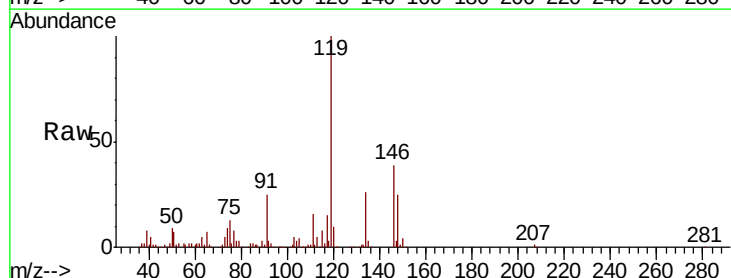
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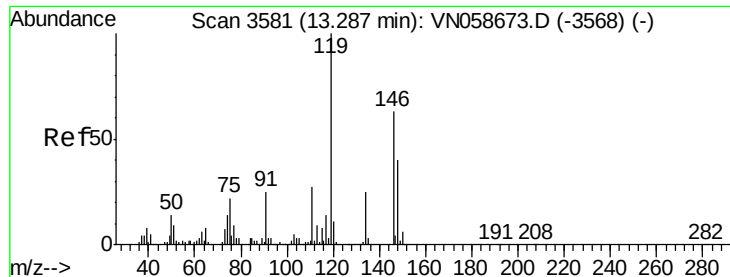
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#82
 p-Isopropyltoluene
 Concen: 19.337 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	288939		
134	26.3	0.0	50.8	
91	24.5	0.0	49.4	





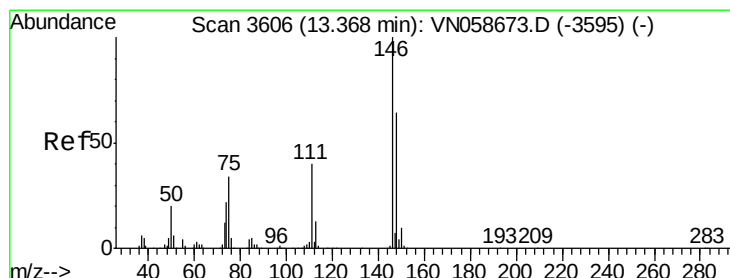
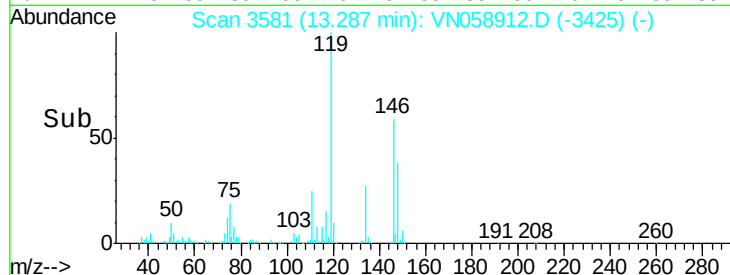
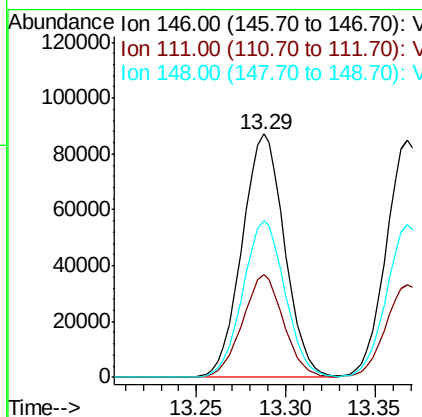
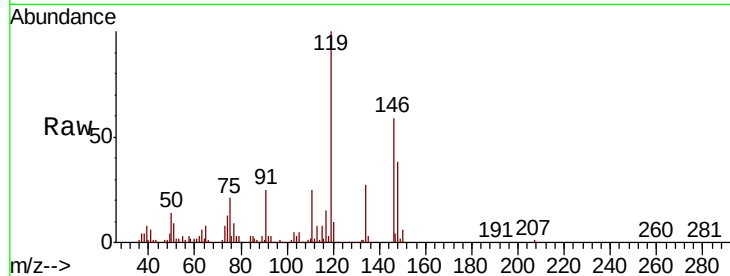
#83
 1,3-Dichlorobenzene
 Concen: 19.574 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	63.9	31.7	95.1

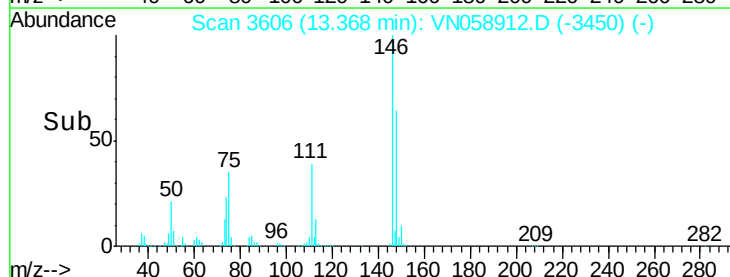
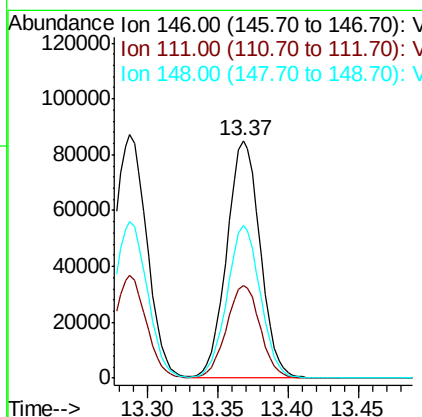
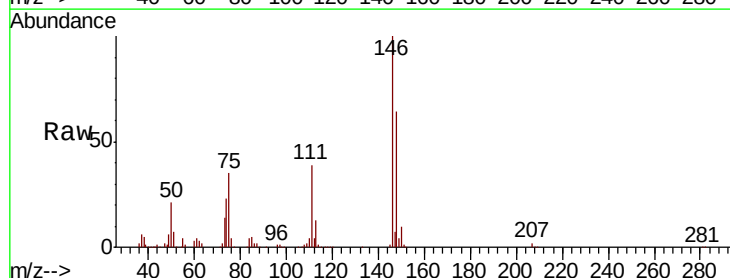
Manual Integrations
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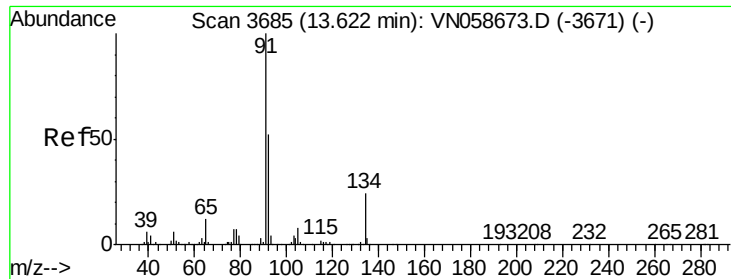
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#84
 1,4-Dichlorobenzene
 Concen: 19.040 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	64.2	31.6	94.8





#85

n-Butylbenzene

Concen: 18.232 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

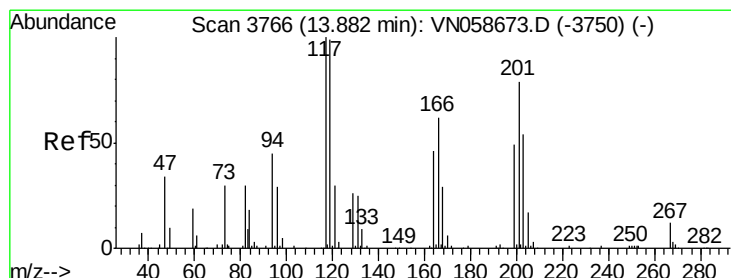
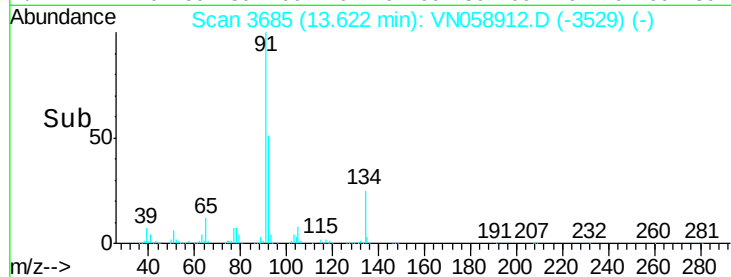
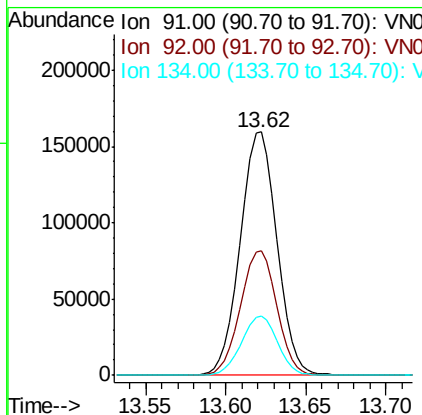
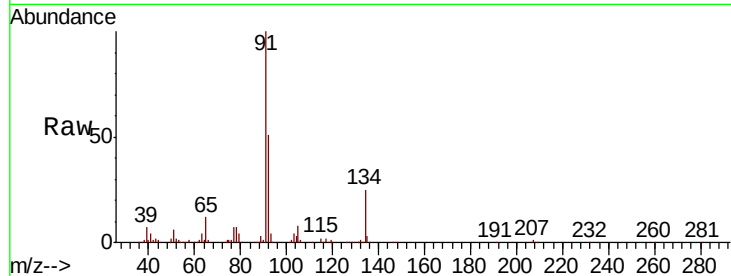
ClientSampleId :

VN1023WBSD01

Tot Ion:	91	Resp:	249424
Ion Ratio	Lower	Upper	
91	100		
92	50.7	0.0	102.8
134	24.0	0.0	48.6

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#86

Hexachloroethane

Concen: 20.281 ug/l

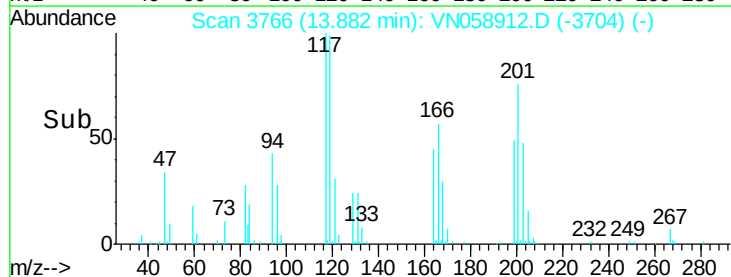
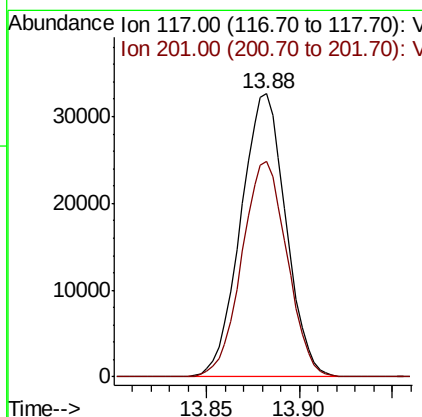
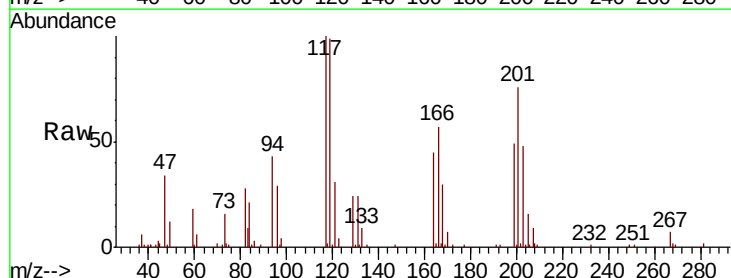
RT: 13.88 min Scan# 3766

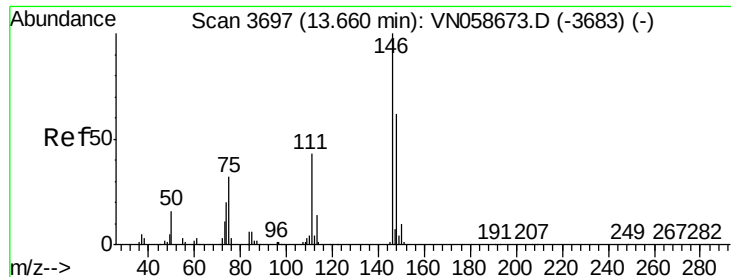
Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion:	117	Resp:	55152
Ion Ratio	Lower	Upper	
117	100		
201	76.0	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 19.808 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Instrument :

MSVOA_N

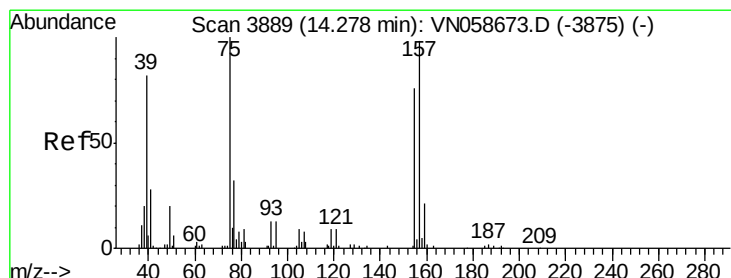
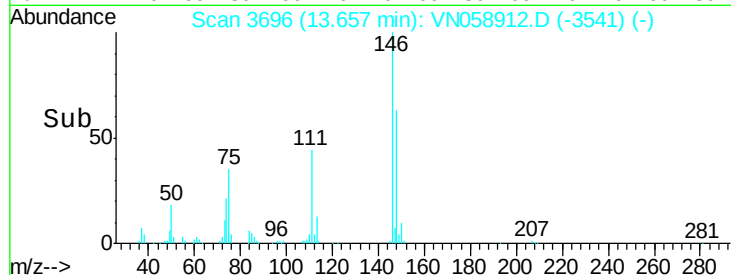
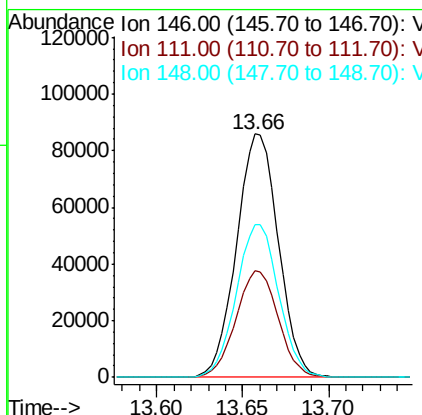
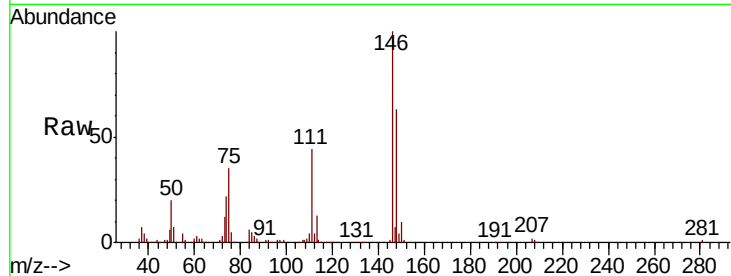
ClientSampleId :

VN1023WBSD01

Tot Ion:	146	Resp:	145227
Ion Ratio	Lower	Upper	
146	100		
111	44.2	21.8	65.4
148	63.5	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.825 ug/l

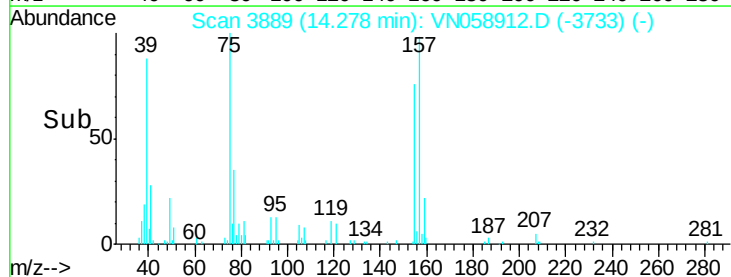
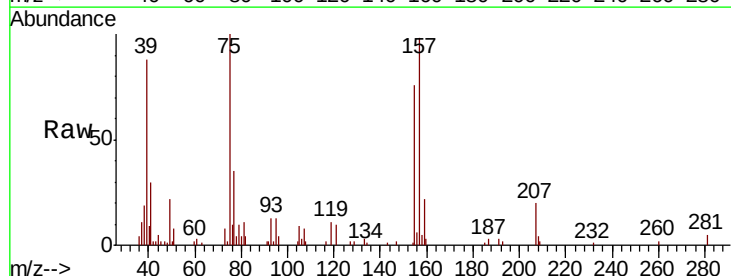
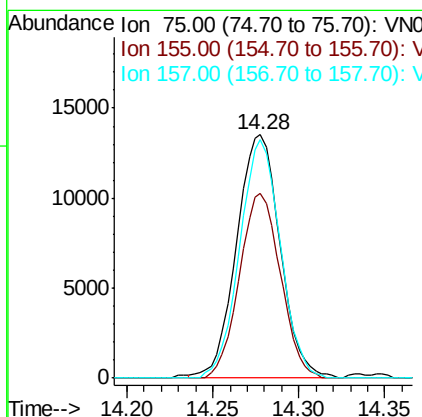
RT: 14.28 min Scan# 3889

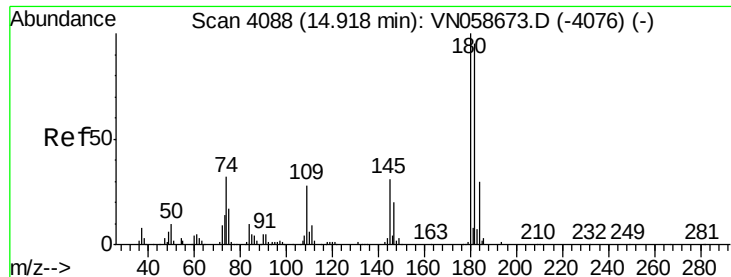
Delta R.T. 0.00 min

Lab File: VN058912.D

Acq: 22 Oct 2019 16:30

Tgt Ion:	75	Resp:	23835
Ion Ratio	Lower	Upper	
75	100		
155	71.4	58.3	87.5
157	91.3	75.0	112.6





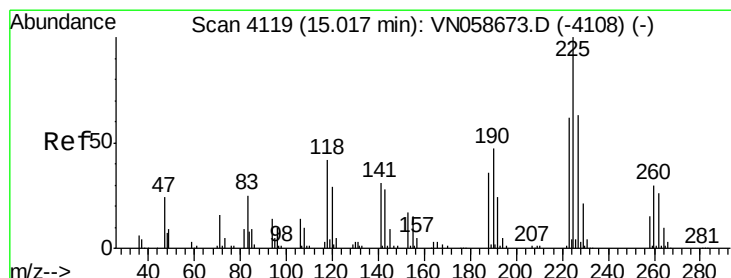
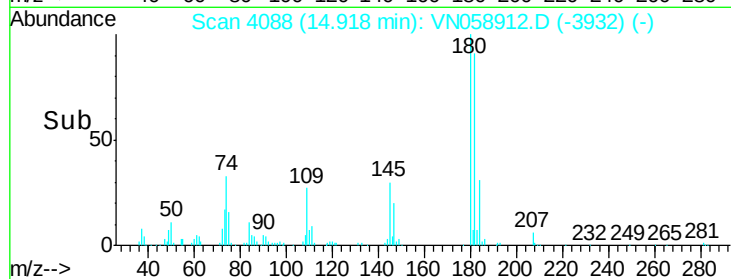
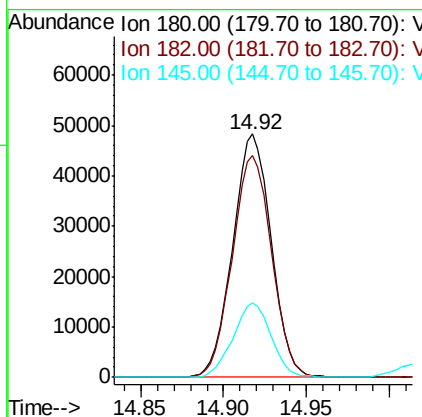
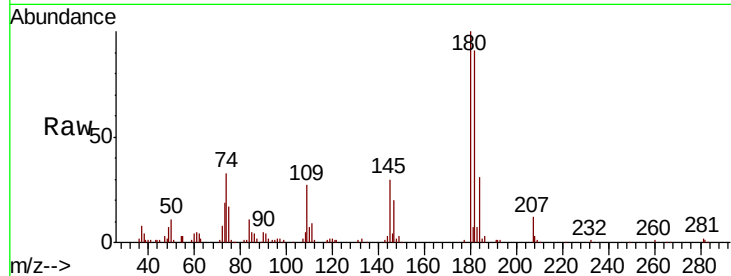
#89
 1,2,4-Trichlorobenzene
 Concen: 16.860 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.3	112.9
145	30.3	24.8	37.2

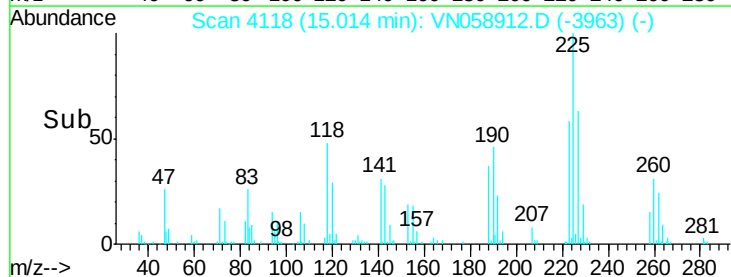
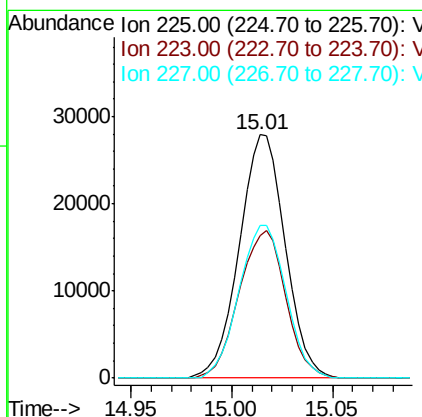
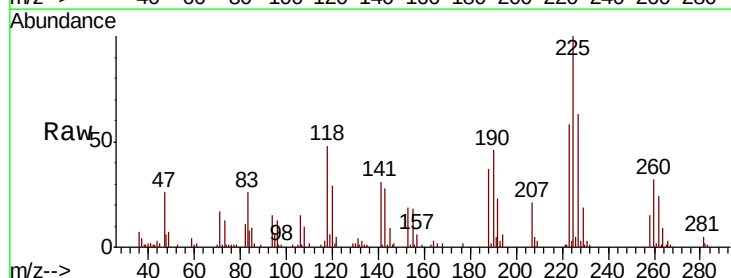
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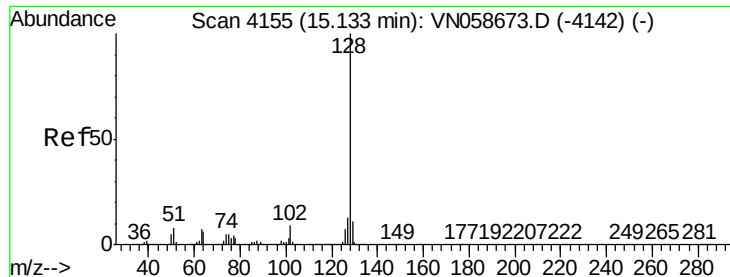
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#90
 Hexachlorobutadiene
 Concen: 18.619 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058912.D
 Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	126.2
227	64.1	0.0	127.0





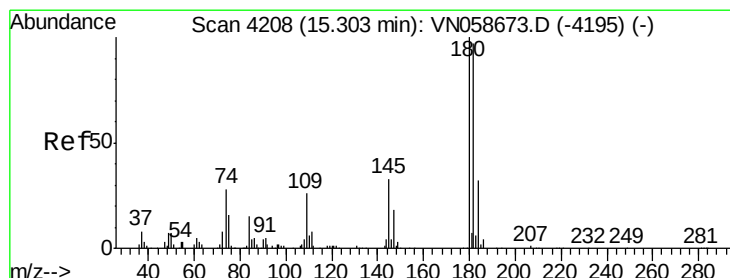
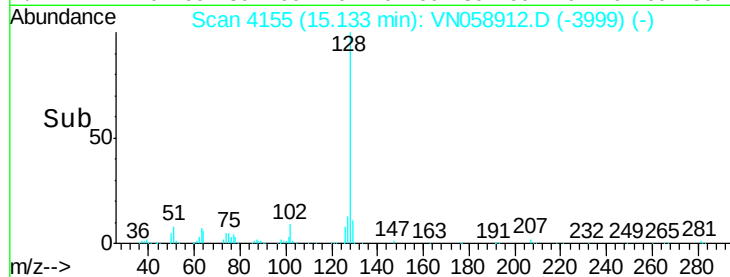
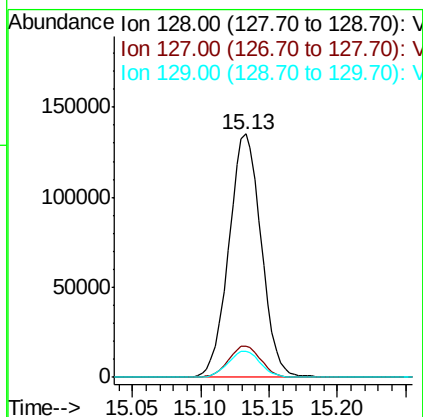
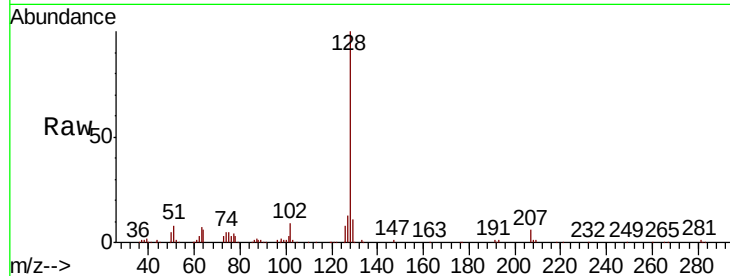
#91
Naphthalene
Concen: 16.298 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 17.596 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058912.D
Acq: 22 Oct 2019 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	32.5	0.0	65.8

