

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058691.D
 Acq On : 11 Oct 2019 10:25
 Operator : JC/SP
 Sample : VN1012WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:59:30 PM

Quant Time: Oct 11 17:42:31 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	7.17	128	73340	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	411394	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	375163	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	190954	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	193840	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.08	98	536934	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87186	21.941	ug/l 97
3) Chloromethane	2.04	50	113136	21.315	ug/l 98
4) Vinyl Chloride	2.17	62	115947	21.135	ug/l 99
5) Bromomethane	2.55	94	71335	21.061	ug/l 98
6) Chloroethane	2.69	64	72589	21.051	ug/l 95
7) Trichlorofluoromethane	3.00	101	142289	21.073	ug/l 98
8) Diethyl Ether	3.39	74	54015	20.974	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85504	21.885	ug/l 99
10) 1,1-Dichloroethene	3.72	96	82273	21.440	ug/l 96
11) Methyl Iodide	3.93	142	109748	20.536	ug/l 99
12) Methyl Acetate	4.30	43	123371	20.095	ug/l 98
13) Acrolein	3.59	56	62812	92.595	ug/l 96
14) Acrylonitrile	4.96	53	247565	102.338	ug/l 99
15) Acetone	3.80	58	72791	101.370	ug/l 99
16) Carbon Disulfide	4.03	76	227737	20.348	ug/l 99
17) Allyl chloride	4.30	41	145377	19.034	ug/l 98
18) Methylene Chloride	4.53	84	97420	20.965	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	87284	20.894	ug/l 92
20) Diisopropyl ether	5.93	45	333734	21.447	ug/l 97
21) 1,1-Dichloroethane	5.83	63	185273	21.501	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	105614	21.204	ug/l 100
23) tert-Butyl Alcohol	4.75	59	101769	102.852	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	304471	21.269	ug/l 98
25) Chloroform	7.35	83	185109	21.539	ug/l 97
26) Cyclohexane	7.63	56	156654	20.712	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	135834	20.975	ug/l 99
30) 2-Butanone	6.81	43	366315	100.098	ug/l 99
31) 2,2-Dichloropropane	6.80	77	164164	21.507	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	161036	21.500	ug/l 99
33) Carbon Tetrachloride	7.75	117	136794	21.100	ug/l 98
34) Benzene	8.03	78	402082	21.090	ug/l 98
35) Methacrylonitrile	7.17	41	76537m	23.675	ug/l
36) 1,2-Dichloroethane	8.11	62	155790	21.372	ug/l 99
37) Trichloroethene	8.82	130	98387	21.006	ug/l 100
38) Methylcyclohexane	9.07	83	150580	20.055	ug/l 96
39) 1,2-Dichloropropane	9.11	63	111613	21.422	ug/l 99
40) Dibromomethane	9.20	93	68956	20.965	ug/l 99

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Manual Integrations
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Quant Time: Oct 11 17:42:31 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	142005	21.133	ug/l	98
42) Vinyl Acetate	5.87	43	1387210	108.236	ug/l	100
43) Ethyl Acetate	6.91	43	149079	20.755	ug/l	99
44) Isopropyl Acetate	8.15	43	238521	20.501	ug/l #	89
45) 1,4-Dioxane	9.19	88	35950	402.397	ug/l	98
46) Methyl methacrylate	9.19	41	106611	19.960	ug/l	99
47) n-amyl Acetate	12.07	43	202269	19.611	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	160020	20.534	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	168856	20.634	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	98563	20.991	ug/l	98
51) Ethyl methacrylate	10.43	69	149265	19.881	ug/l	100
52) 1,3-Dichloropropane	10.71	76	174306	20.845	ug/l	99
53) Dibromochloromethane	10.90	129	104629	20.764	ug/l	97
54) 1,2-Dibromoethane	11.00	107	99879	20.522	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	385660	103.263	ug/l	99
56) Bromoform	12.13	173	70564	20.102	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	734162	107.271	ug/l	99
59) 2-Hexanone	10.75	43	559535	104.285	ug/l	100
61) Tetrachloroethene	10.63	164	85553	21.103	ug/l	97
62) Toluene	10.15	91	430337	21.325	ug/l	100
64) Chlorobenzene	11.43	112	259117	21.002	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	96493	20.858	ug/l	99
66) Ethyl Benzene	11.51	91	472374	21.140	ug/l	98
67) m/p-Xylenes	11.62	106	350111	41.938	ug/l	99
68) o-Xylene	11.95	106	168833	20.861	ug/l	100
69) Styrene	11.97	104	270758	20.251	ug/l	100
70) Isopropylbenzene	12.25	105	460062	21.055	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	149952	20.385	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	134420m	20.167	ug/l	
73) Bromobenzene	12.53	156	107741	20.300	ug/l	99
74) n-propylbenzene	12.60	91	546259	21.358	ug/l	100
75) 2-Chlorotoluene	12.68	91	325132	21.129	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	395839	21.151	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48481	19.093	ug/l	98
78) 4-Chlorotoluene	12.78	91	330450	20.836	ug/l	100
79) tert-butylbenzene	13.00	119	333361	20.850	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	392524	21.108	ug/l	100
81) sec-Butylbenzene	13.18	105	446997	20.773	ug/l	99
82) p-Isopropyltoluene	13.29	119	401058	20.756	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	196143	20.424	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	196281	20.462	ug/l	99
85) n-Butylbenzene	13.62	91	363056	20.523	ug/l	99
86) Hexachloroethane	13.88	117	71480	20.327	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	197126	20.792	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	32640	19.936	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	116148	19.402	ug/l	97
90) Hexachlorobutadiene	15.01	225	62160	20.108	ug/l	98
91) Naphthalene	15.13	128	347233	19.645	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	114942	19.724	ug/l	99

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ClientSampleId :
VN1012WBSD01

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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

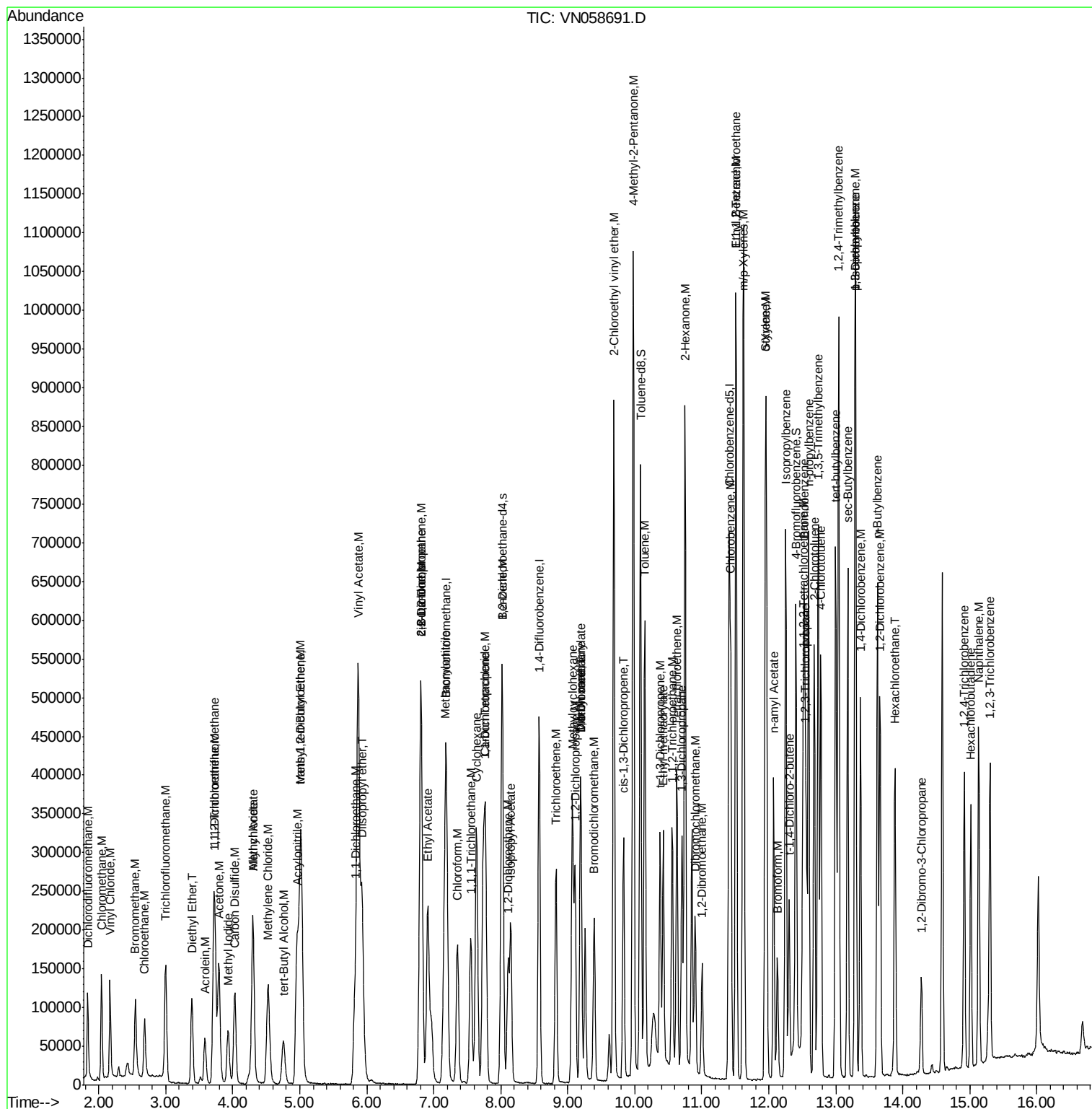
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Data File : VN058691.D
Acq On : 11 Oct 2019 10:25
Operator : JC/SP
Sample : VN1012WBSD01
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ALS Vial : 6 Sample Multiplier: 1

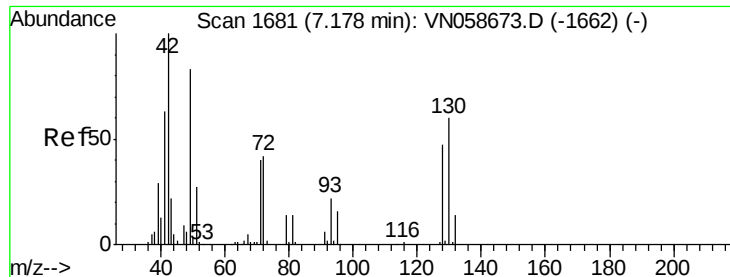
Instrument :
MSVOA_N
Client Sample Id :
VN1012WBSD01

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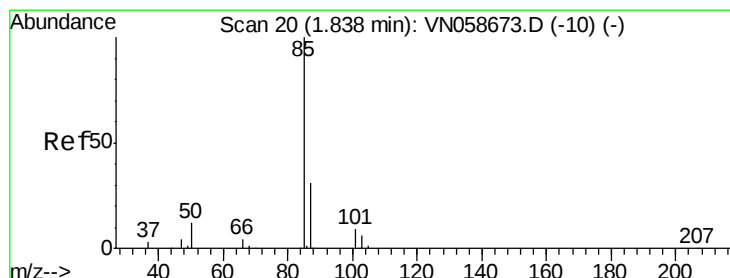
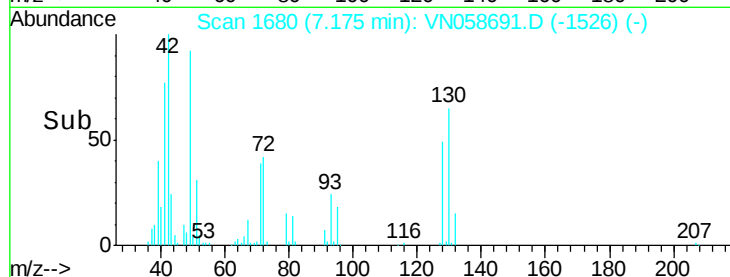
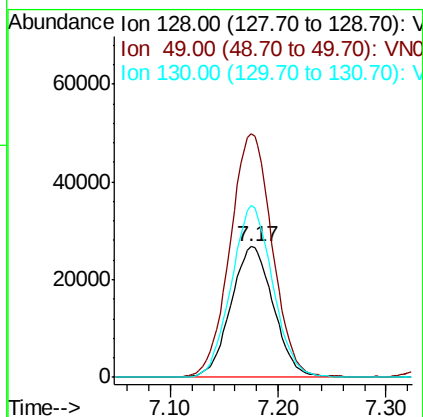
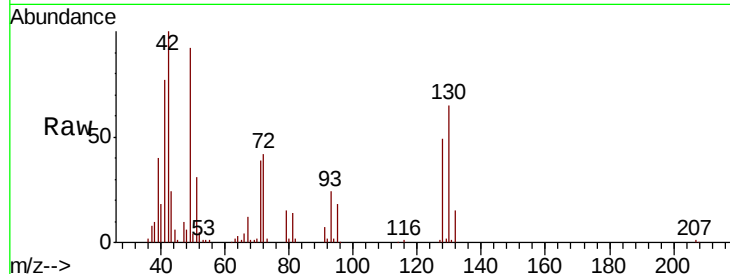
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

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VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	185.4	0.0	453.5
130	128.1	0.0	314.2

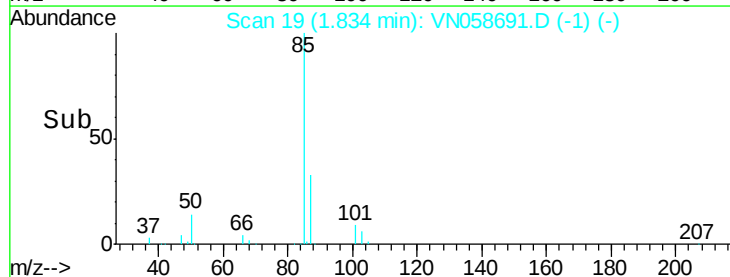
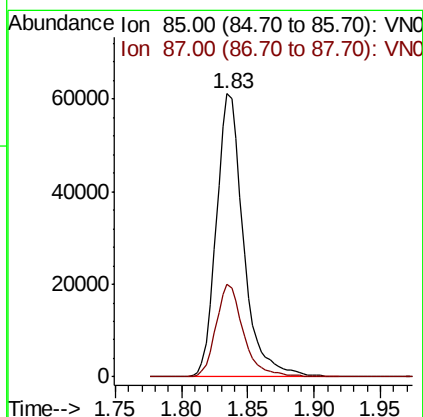
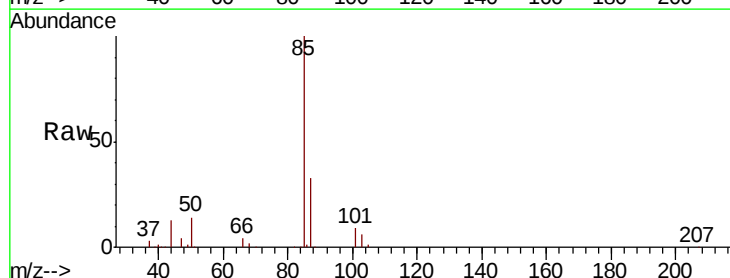
Manual Integrations
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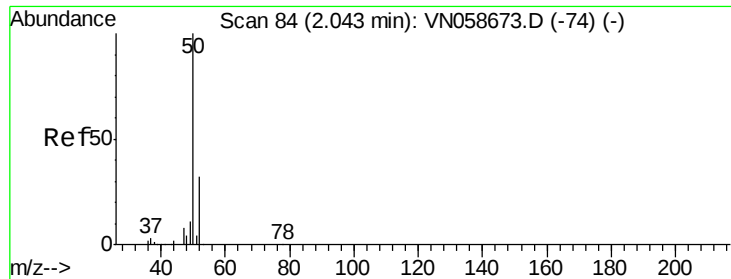
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#2
Dichlorodifluoromethane
Concen: 21.941 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.7	47.0





#3

Chloromethane

Concen: 21.315 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 50 Resp: 113136

Ion Ratio Lower Upper

50 100

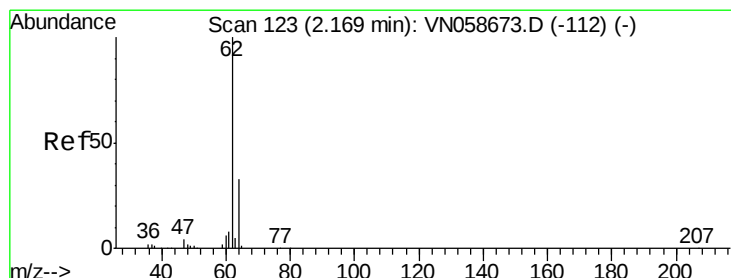
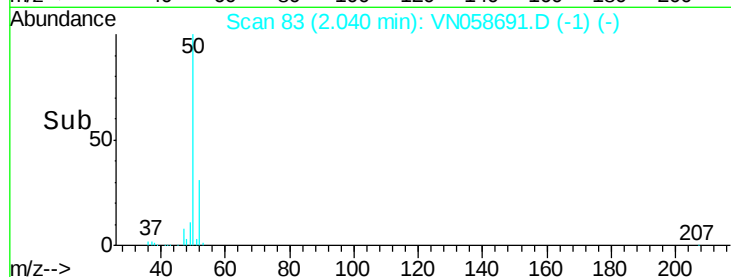
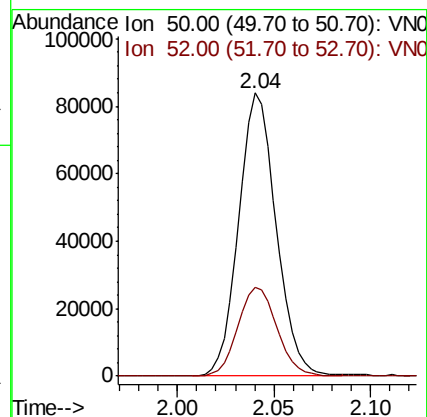
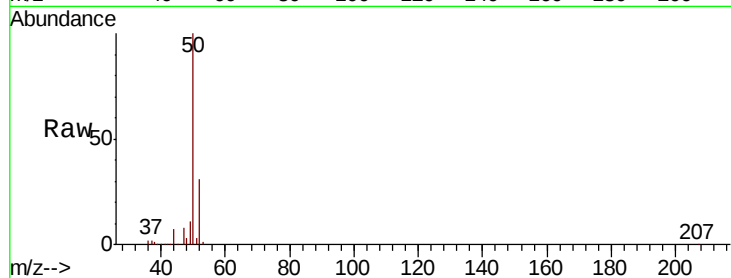
52 31.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.135 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058691.D

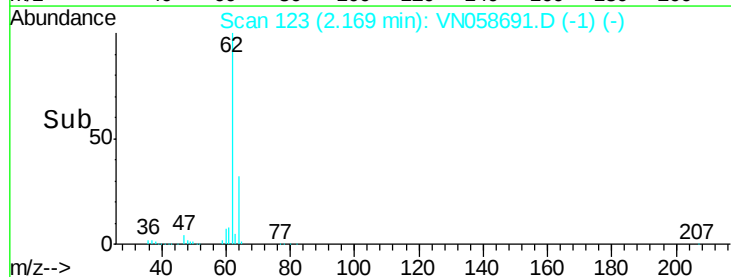
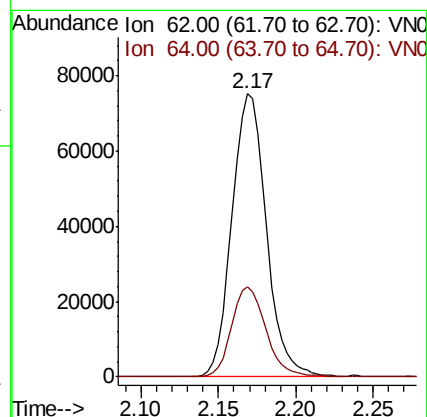
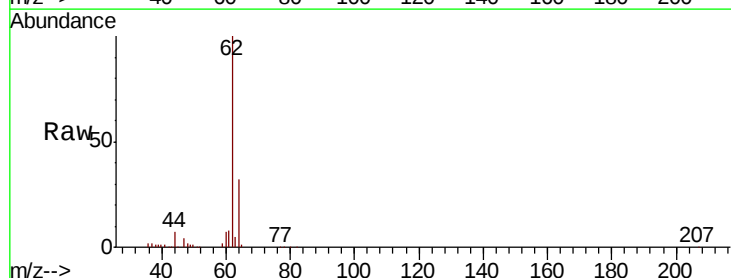
Acq: 11 Oct 2019 10:25

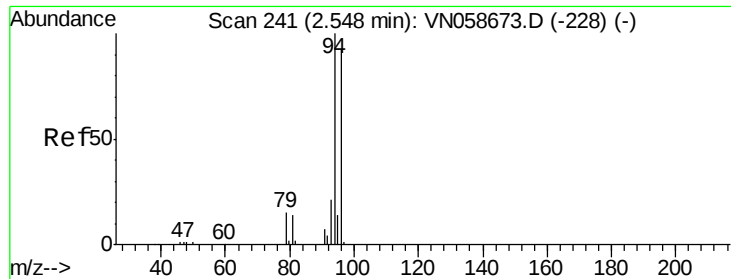
Tgt Ion: 62 Resp: 115947

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 21.061 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 94 Resp: 71335

Ion Ratio Lower Upper

94 100

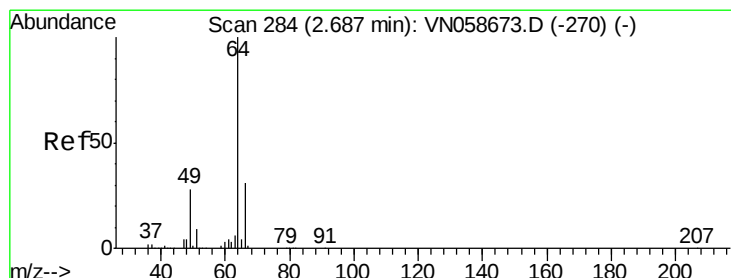
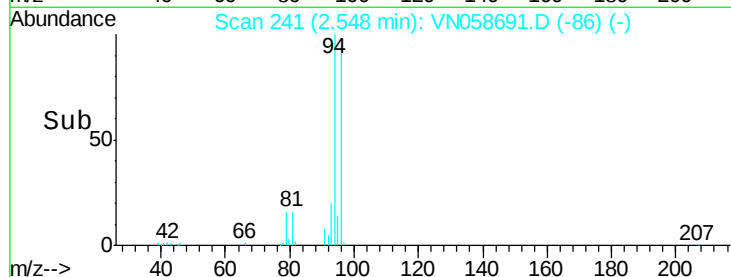
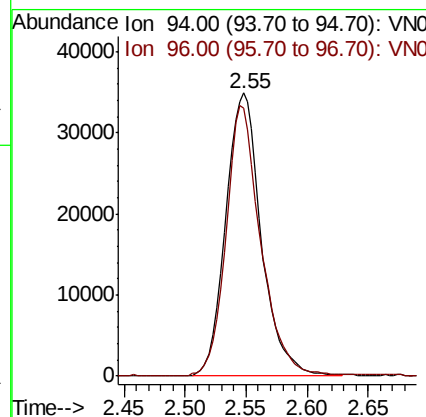
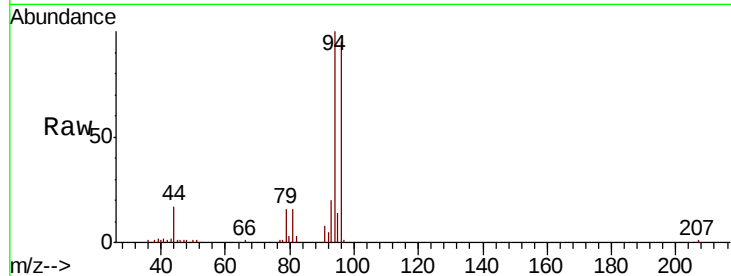
96 94.0 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 21.051 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058691.D

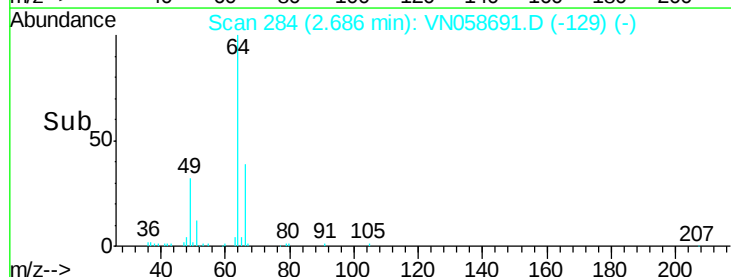
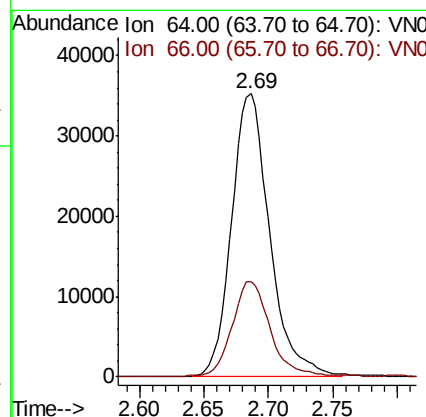
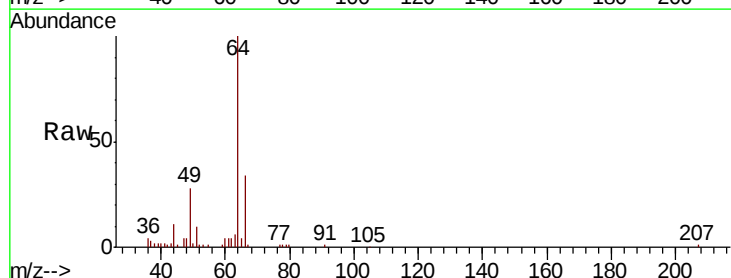
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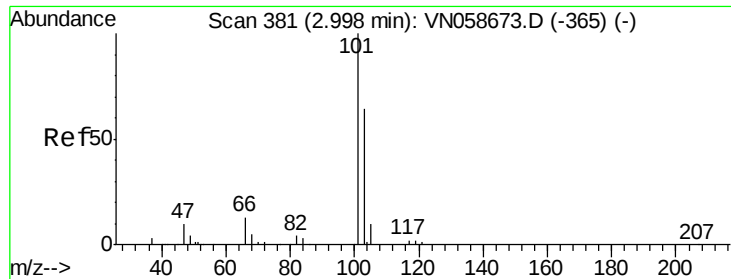
Tgt Ion: 64 Resp: 72589

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8





#7

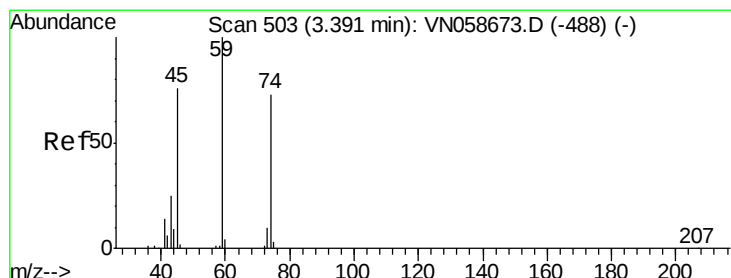
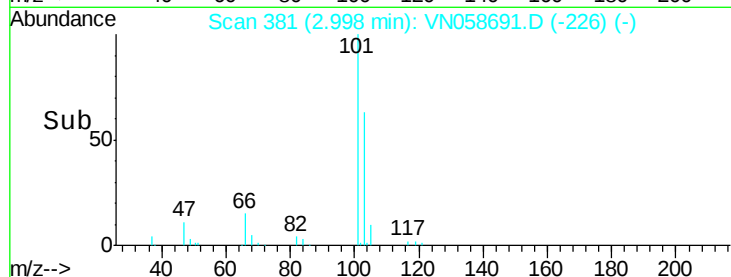
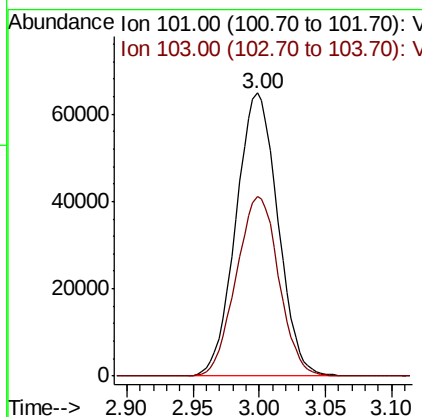
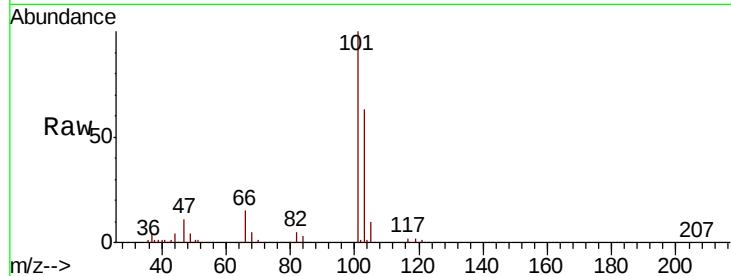
Trichlorofluoromethane
Concen: 21.073 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.5	77.3

Manual Integrations
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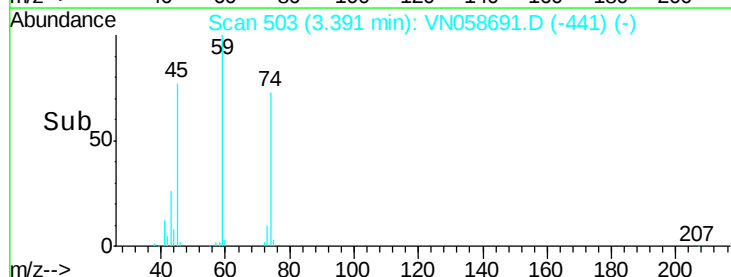
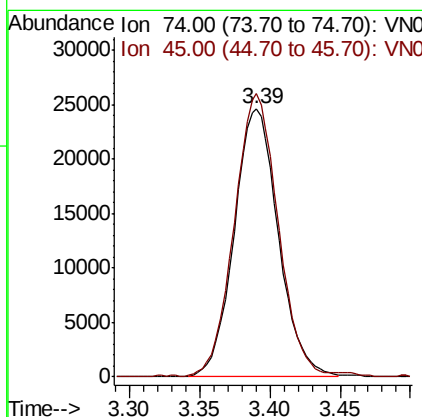
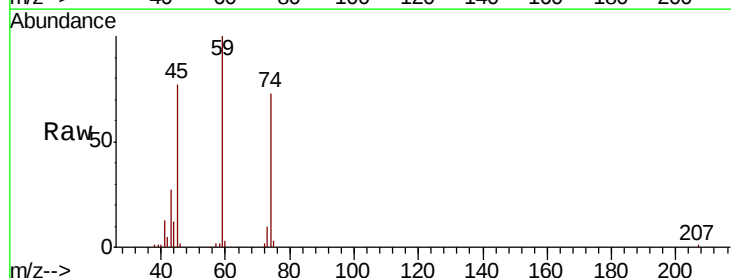
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10/14/2019 4:59:30 PM

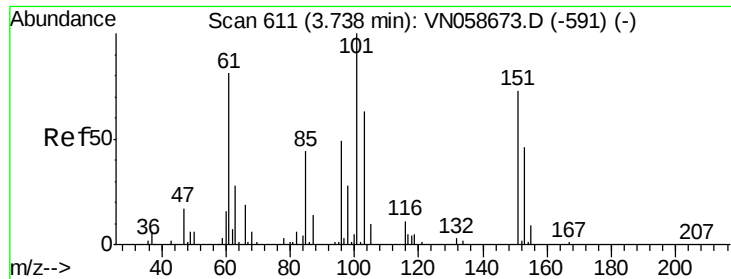


#8

Diethyl Ether
Concen: 20.974 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.885 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

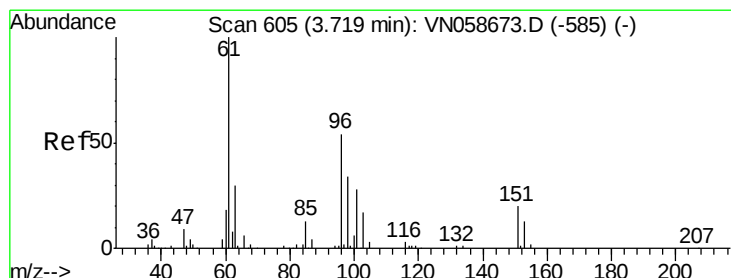
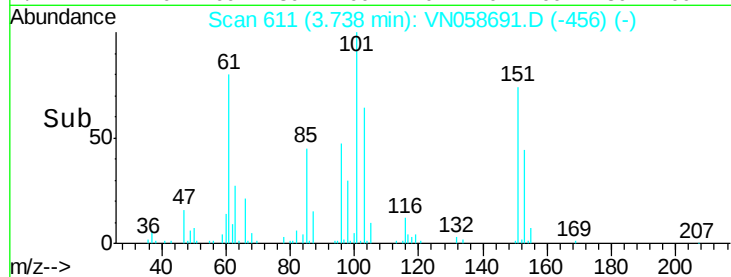
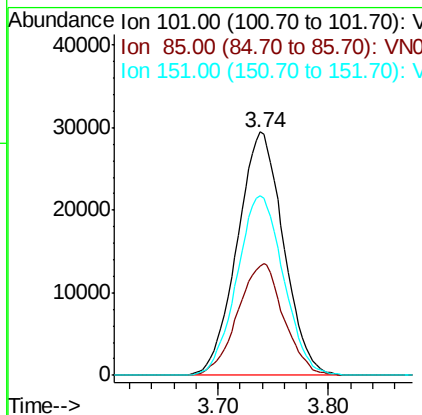
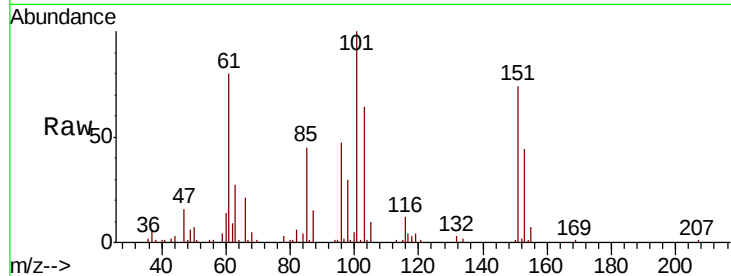
ClientSampleId :

VN1012WBSD01

Tot Ion:	101	Resp:	85504
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	93.8
151	74.3	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 21.440 ug/l

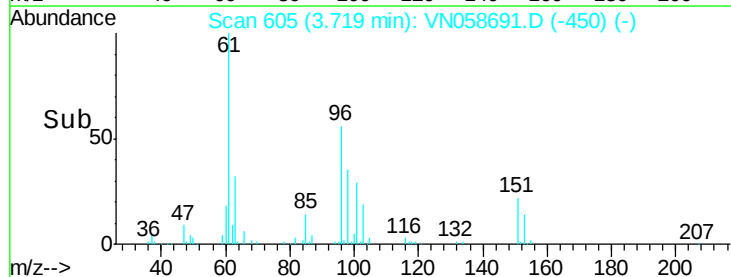
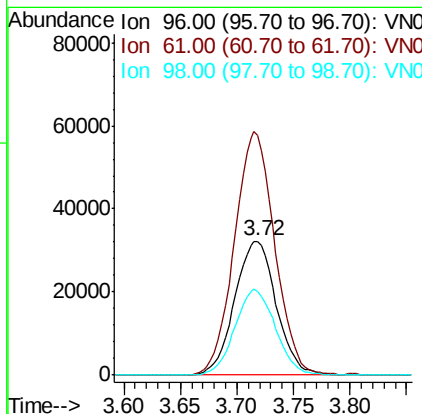
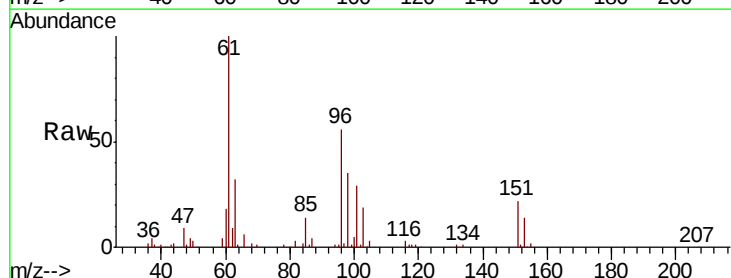
RT: 3.72 min Scan# 605

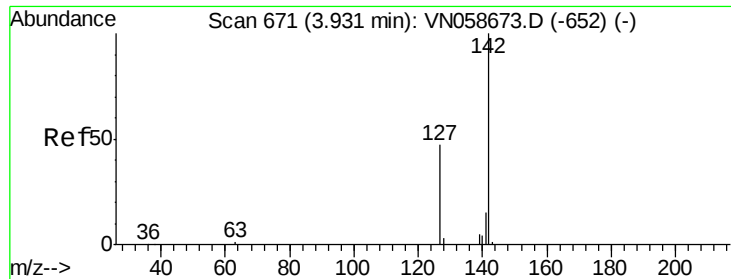
Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion:	96	Resp:	82273
Ion Ratio	Lower	Upper	
96	100		
61	178.5	148.5	222.7
98	62.9	51.0	76.6





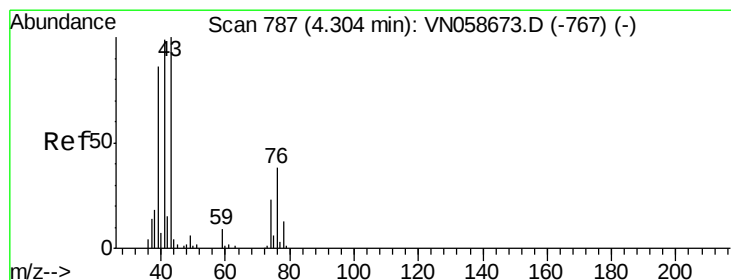
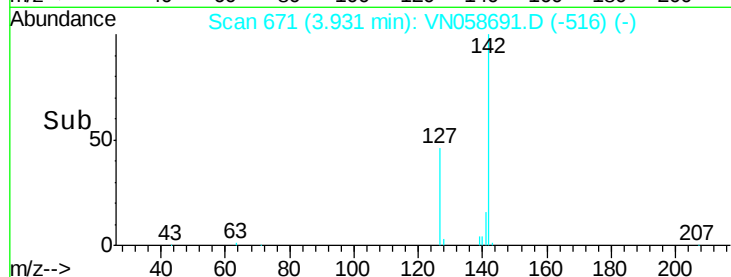
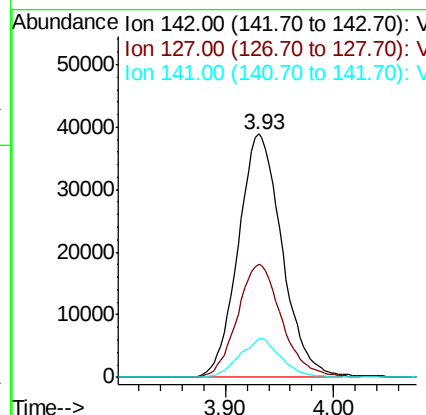
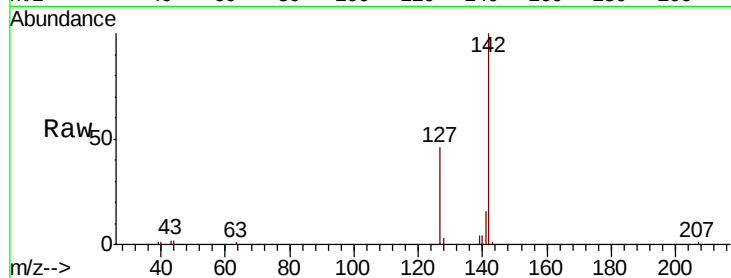
#11
Methyl Iodide
Concen: 20.536 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	23.5	70.6
141	15.8	7.4	22.2

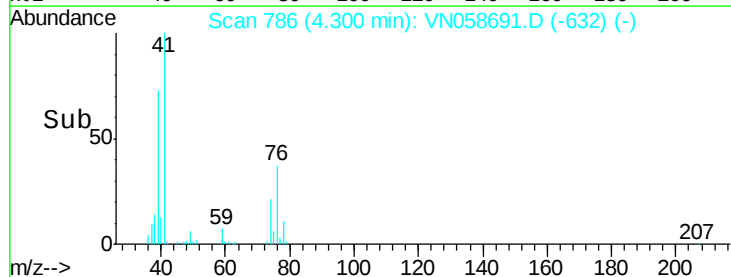
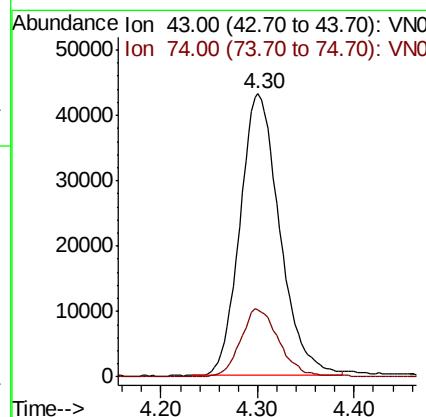
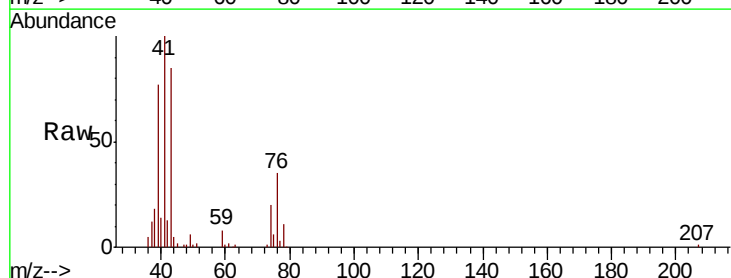
Manual Integrations
APPROVED

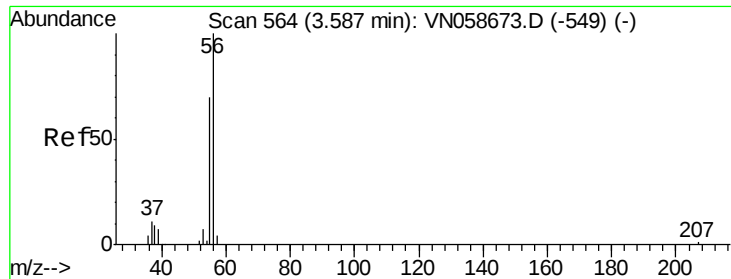
MMDadoda
10/14/2019 4:59:30 PM



#12
Methyl Acetate
Concen: 20.095 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.1	27.1





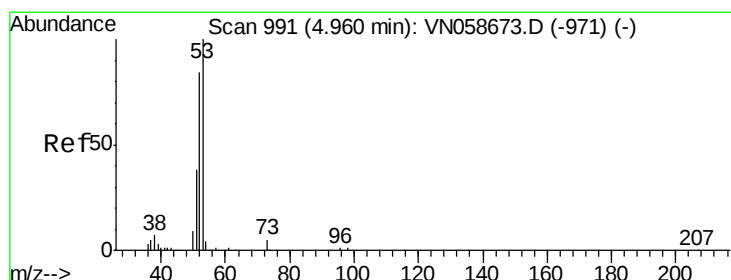
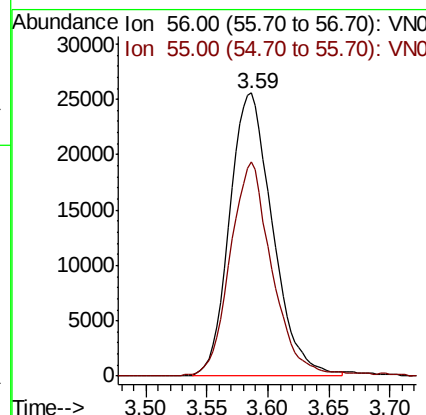
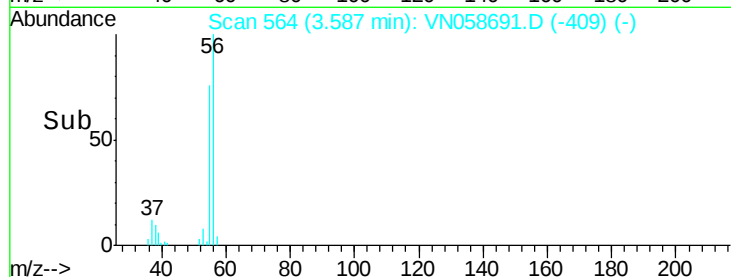
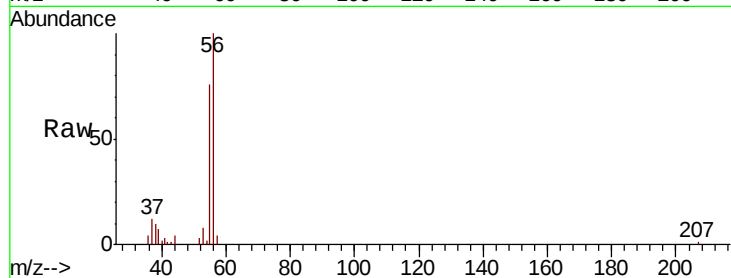
#13
Acrolein
Concen: 92.595 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.1	55.9	83.9	

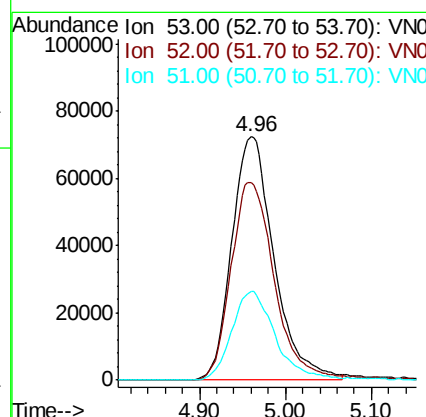
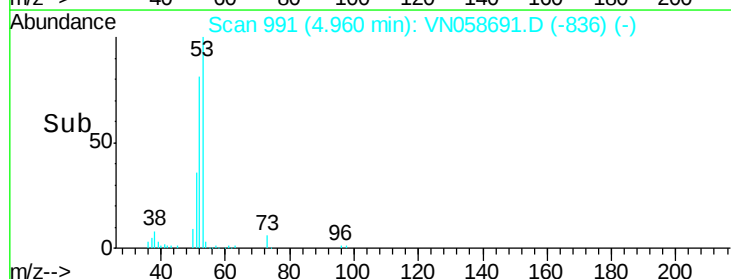
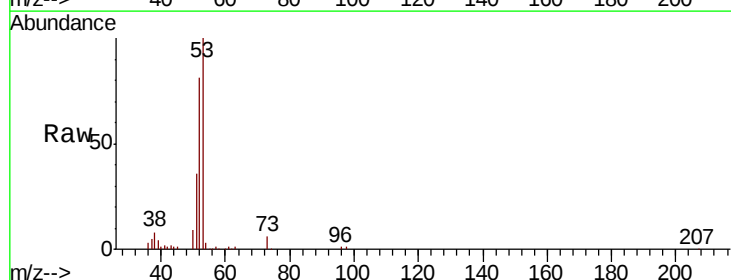
Manual Integrations
APPROVED

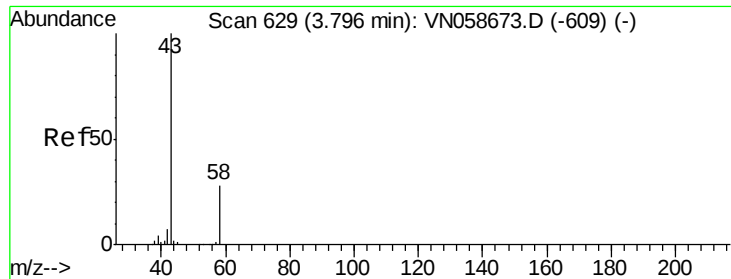
MMDadoda
10/14/2019 4:59:30 PM



#14
Acrylonitrile
Concen: 102.338 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.1	42.2	126.6	
51	37.6	18.8	56.4	





#15

Acetone

Concen: 101.370 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 58 Resp: 72791

Ion Ratio Lower Upper

58 100

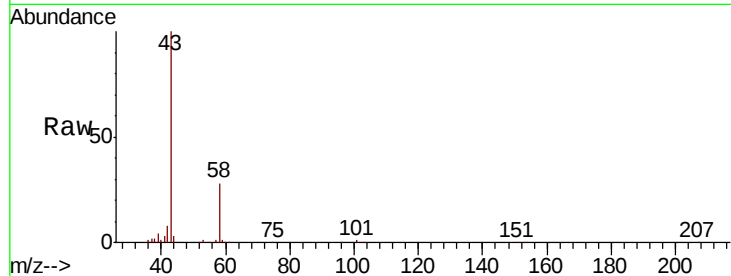
43 354.2 281.7 422.5

Manual Integrations

APPROVED

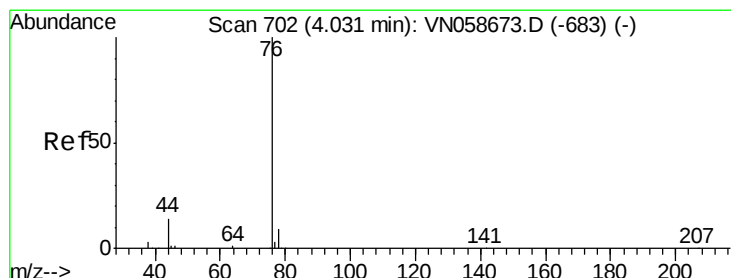
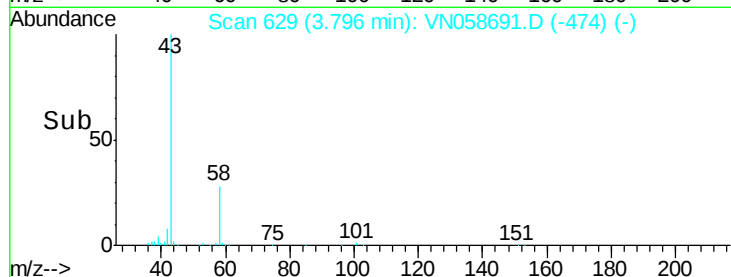
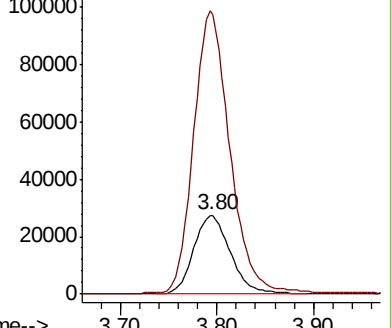
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.348 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058691.D

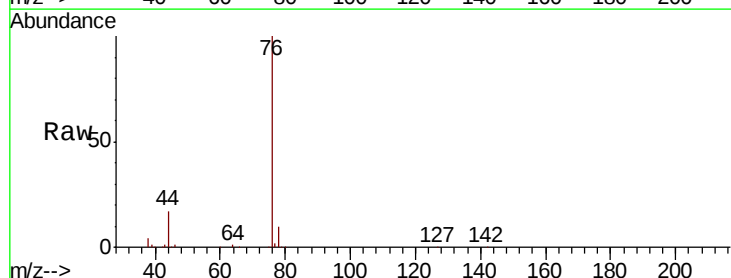
Acq: 11 Oct 2019 10:25

Tgt Ion: 76 Resp: 227737

Ion Ratio Lower Upper

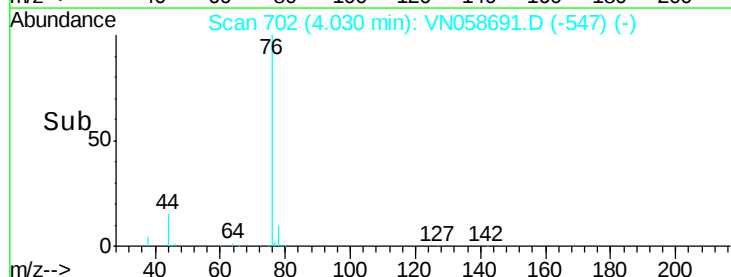
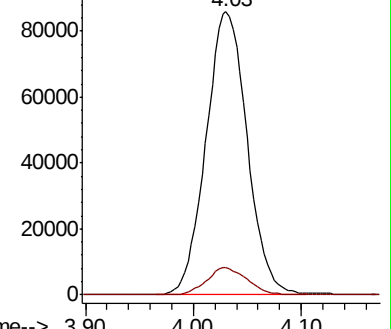
76 100

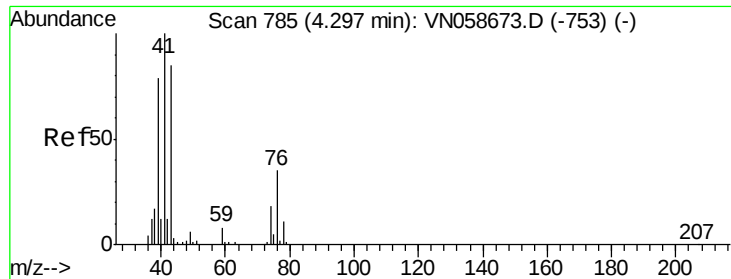
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





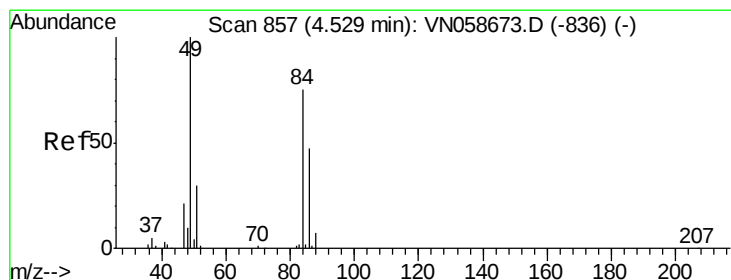
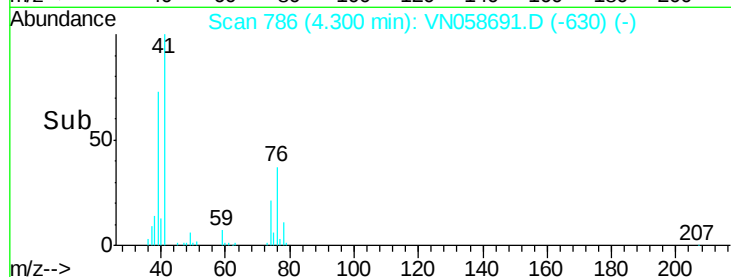
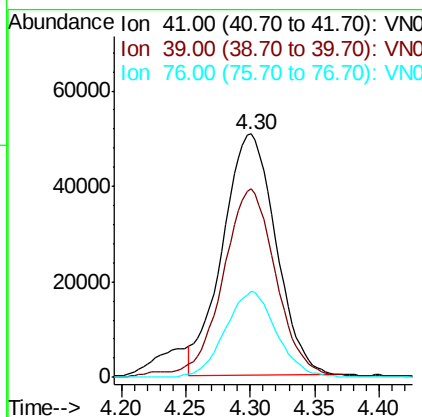
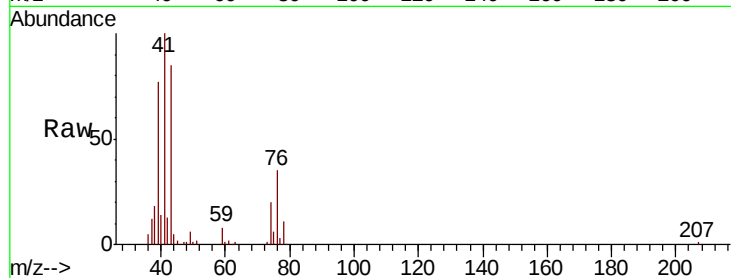
#17
Allvl chloride
Concen: 19.034 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.2	39.6	118.8
76	35.2	17.6	52.9

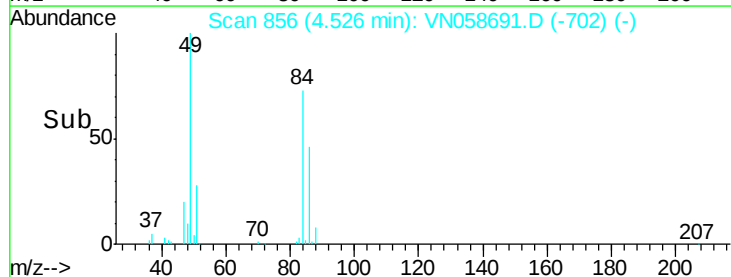
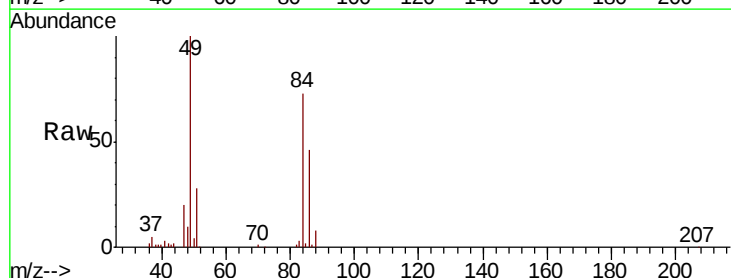
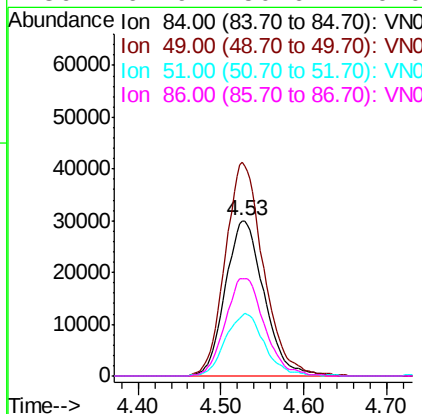
Manual Integrations
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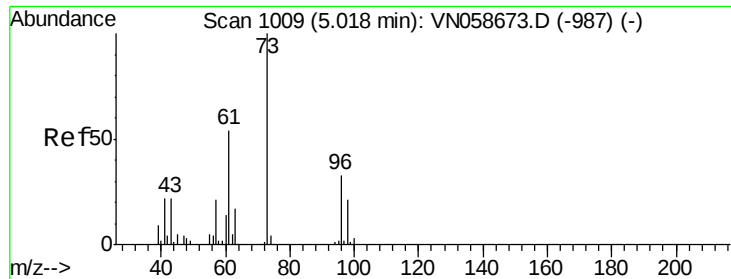
MMDadoda
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#18
Methylene Chloride
Concen: 20.965 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	106.6	160.0
51	39.3	32.4	48.6
86	62.9	50.6	76.0





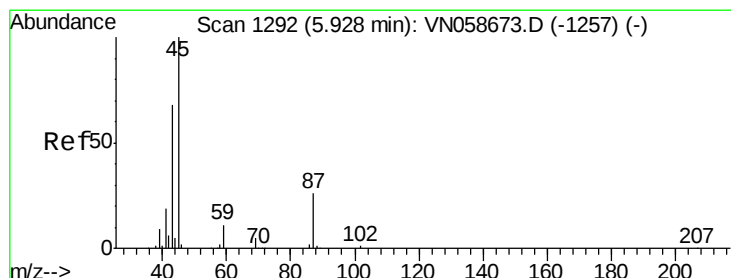
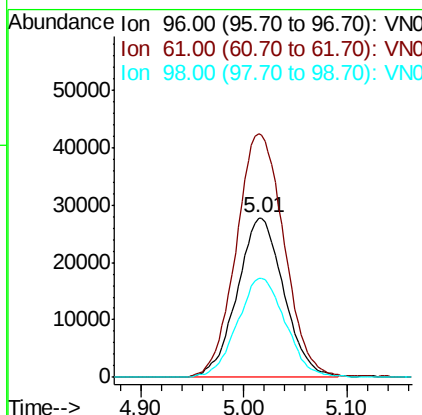
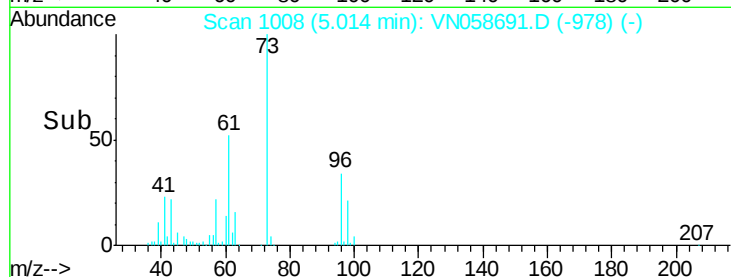
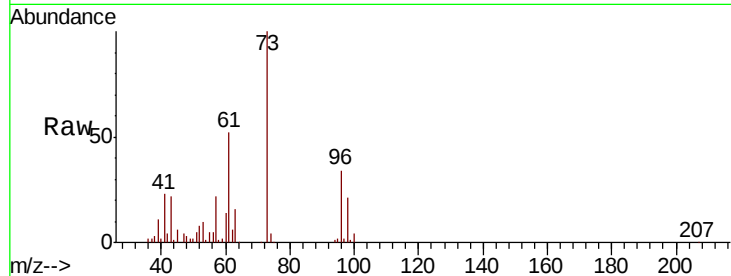
#19
trans-1,2-Dichloroethene
Concen: 20.894 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	131.8	197.6
98	62.1	52.6	79.0

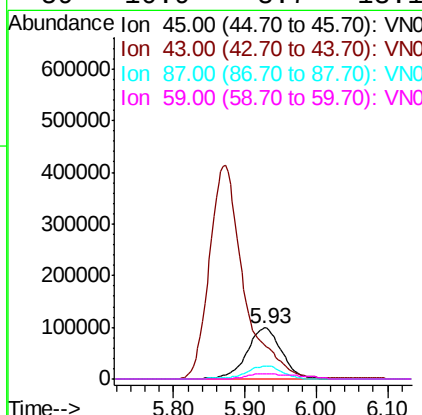
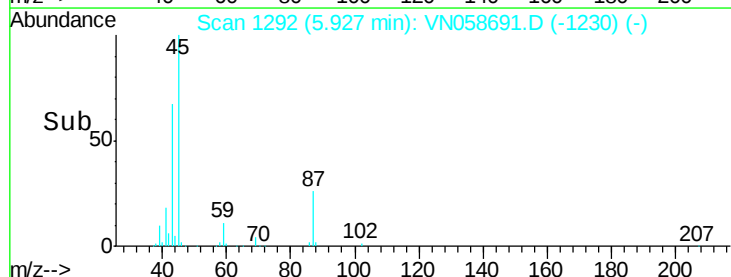
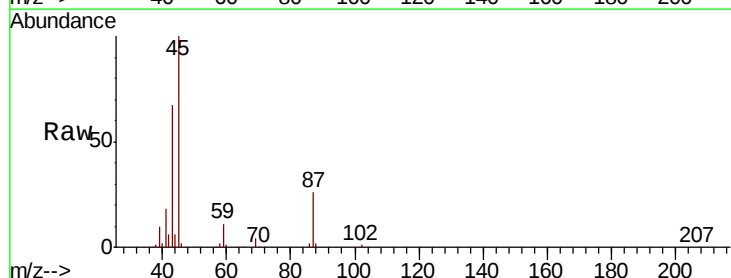
Manual Integrations
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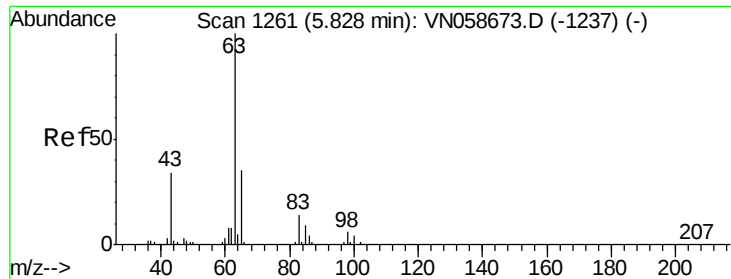
MMDadoda
10/14/2019 4:59:30 PM



#20
Diisopropyl ether
Concen: 21.447 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	54.7	82.1
87	25.7	21.5	32.3
59	10.9	8.7	13.1





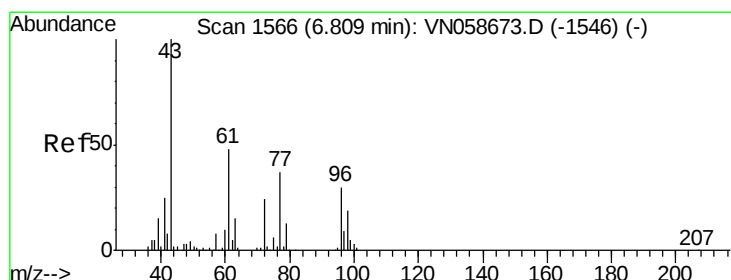
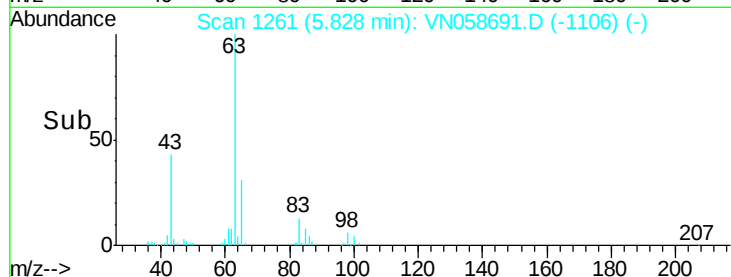
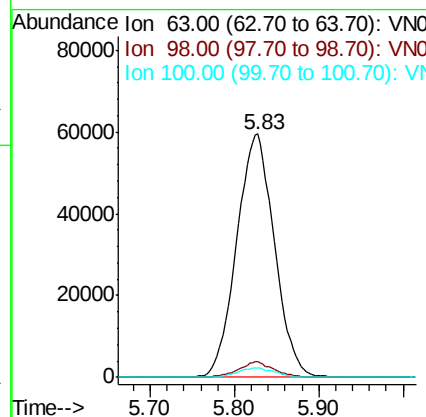
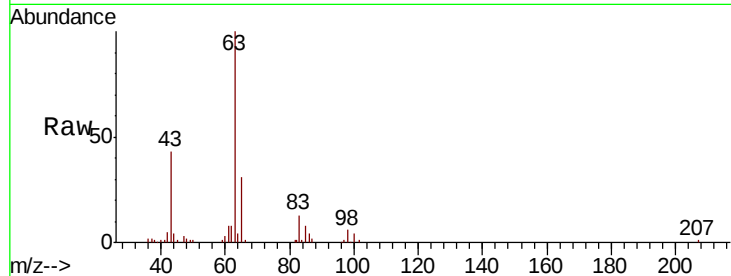
#21
 1,1-Dichloroethane
 Concen: 21.501 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.4	2.9	8.6
100	3.8	1.8	5.5

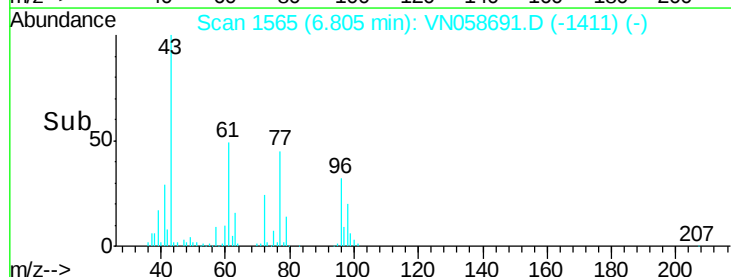
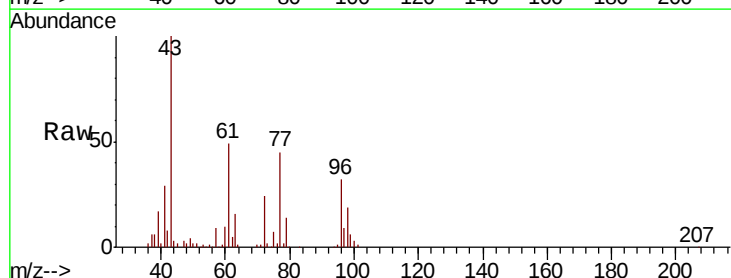
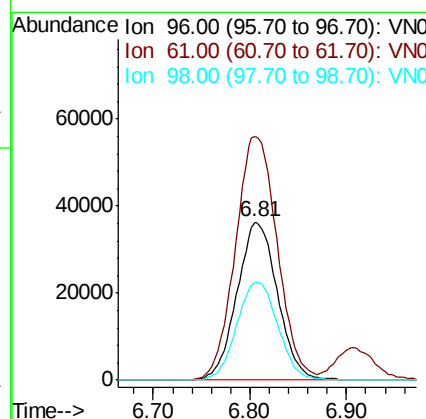
Manual Integrations
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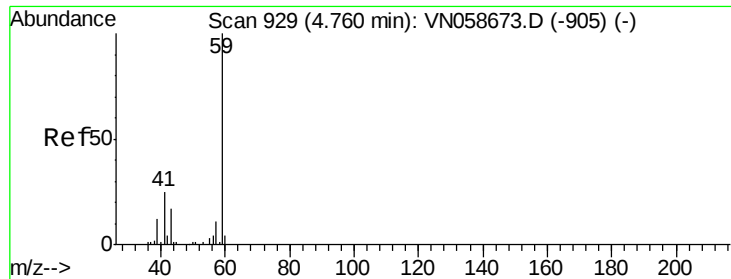
MMDadoda
 10/14/2019 4:59:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 21.204 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.5	127.2	190.8
98	63.0	50.5	75.7





#23

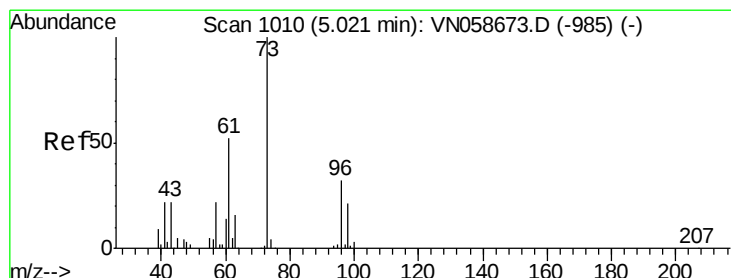
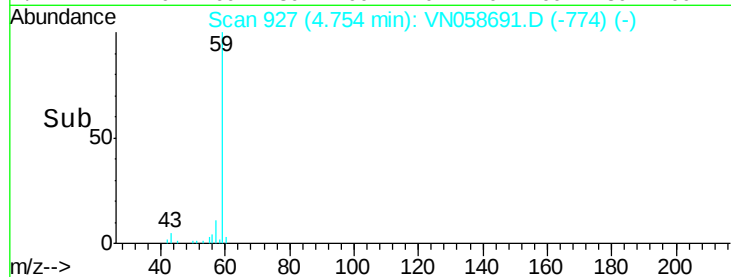
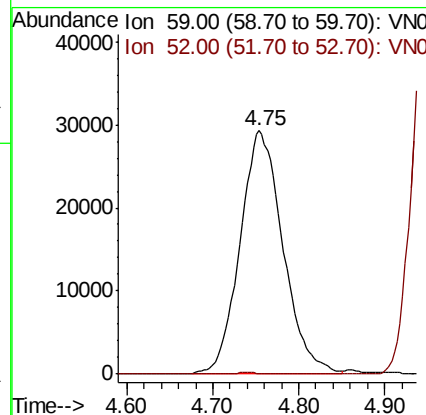
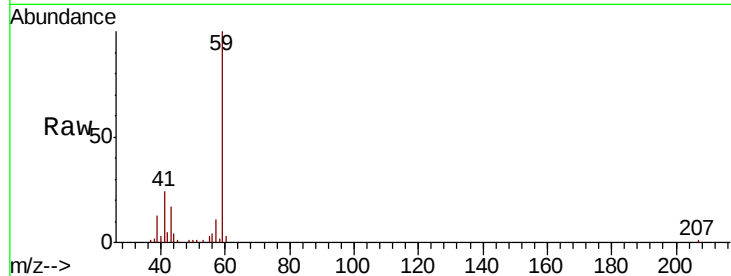
tert-Butyl Alcohol
Concen: 102.852 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
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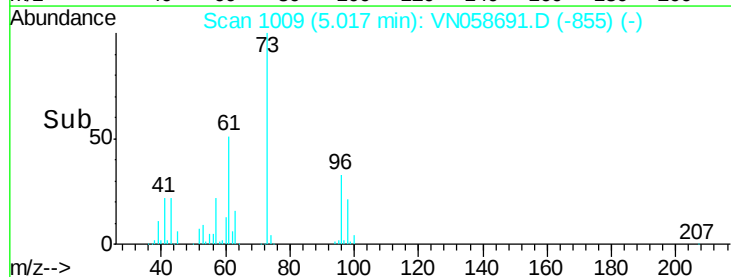
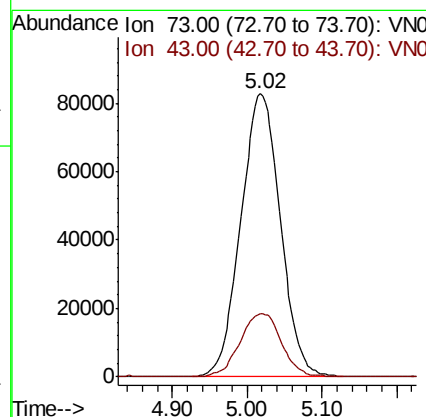
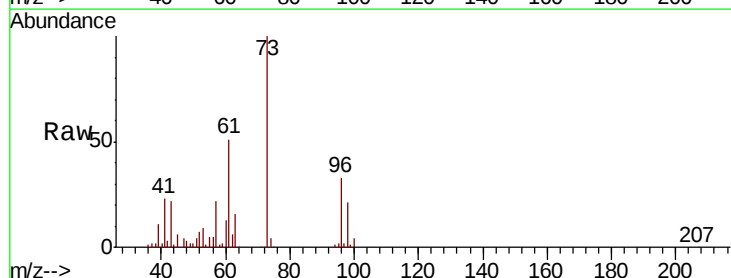
MMDadoda
10/14/2019 4:59:30 PM

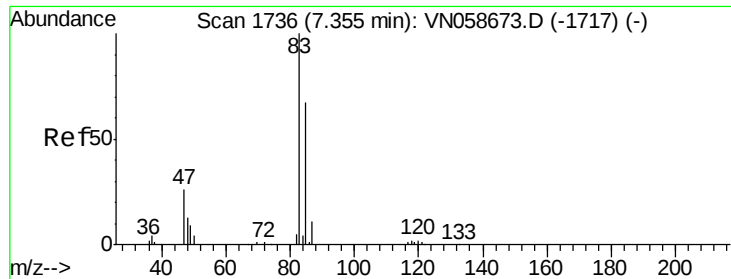


#24

Methyl tert-Butyl Ether
Concen: 21.269 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.6	17.9	26.9





#25

Chloroform

Concen: 21.539 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 83 Resp: 185109

Ion Ratio Lower Upper

83 100

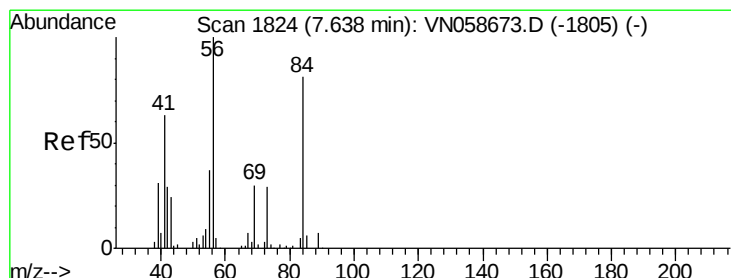
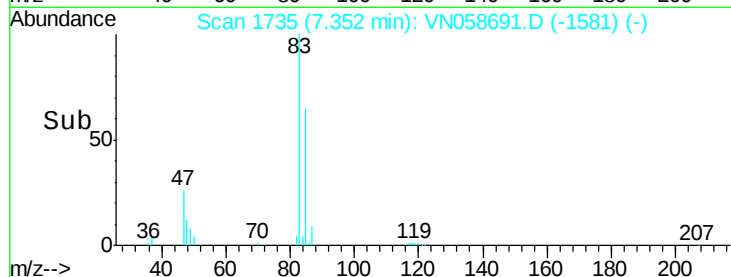
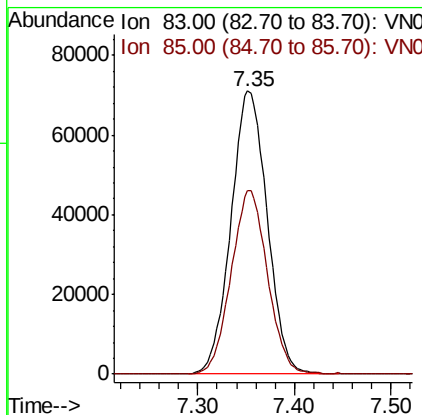
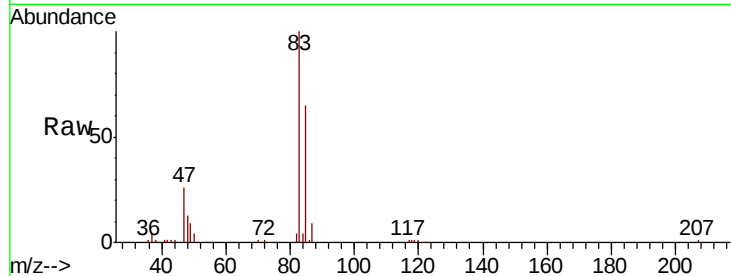
85 64.9 53.8 80.8

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#26

Cyclohexane

Concen: 20.712 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

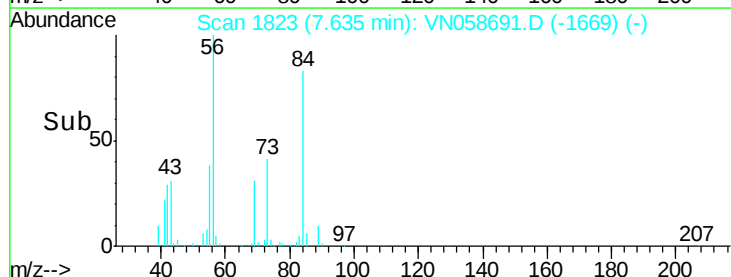
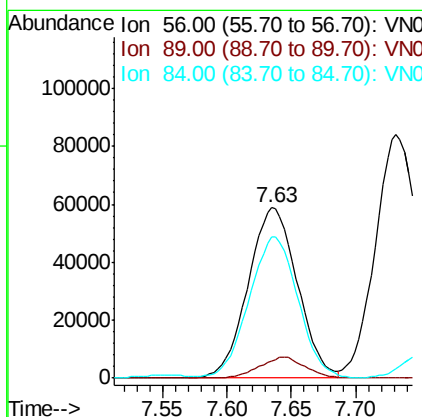
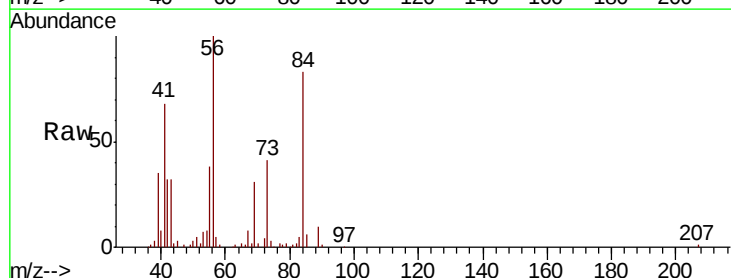
Tgt Ion: 56 Resp: 156654

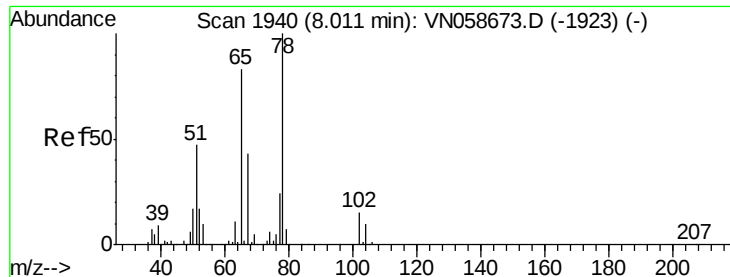
Ion Ratio Lower Upper

56 100

89 11.4 6.2 9.2#

84 82.6 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 30.677 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 65 Resp: 190954

Ion Ratio Lower Upper

65 100

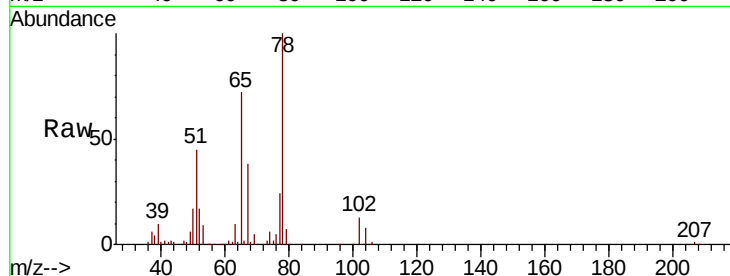
67 52.0 41.5 62.3

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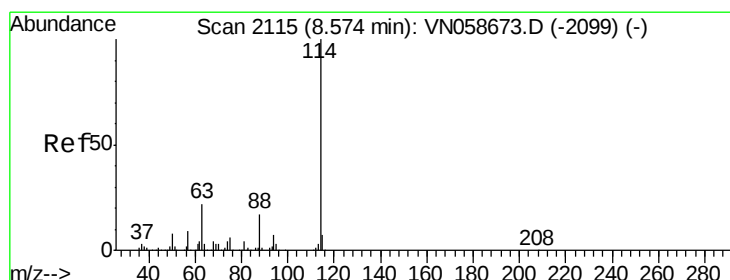
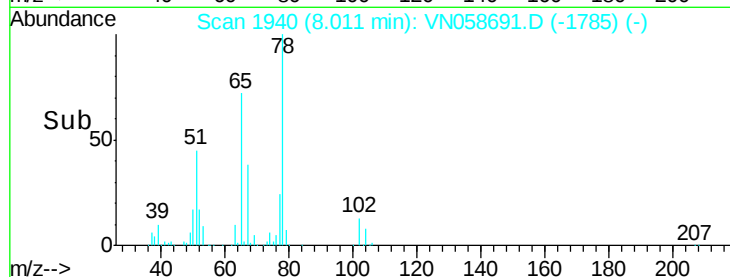
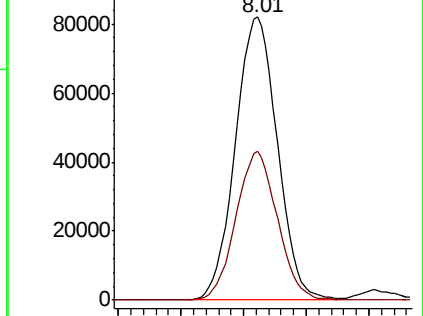
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Abundance Ion 65.00 (64.70 to 65.70): VN058691.D (-1785) (-)

Ion 67.00 (66.70 to 67.70): VN058691.D (-1785) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

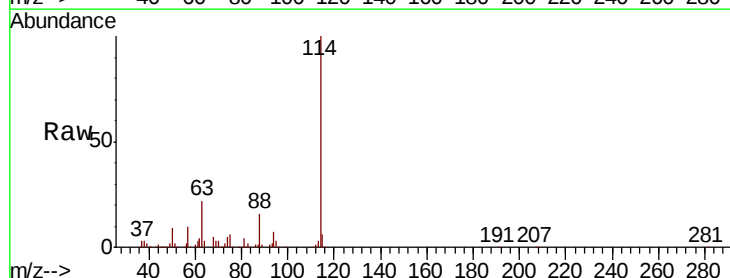
Tgt Ion: 114 Resp: 411394

Ion Ratio Lower Upper

114 100

63 22.1 18.1 27.1

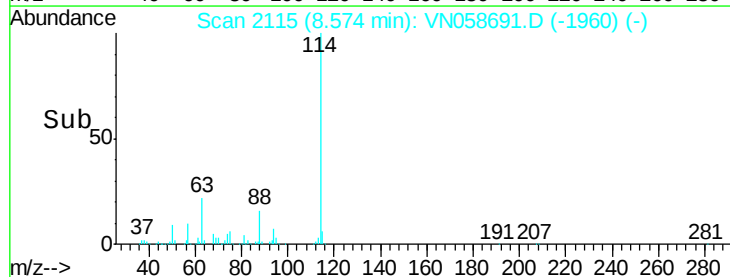
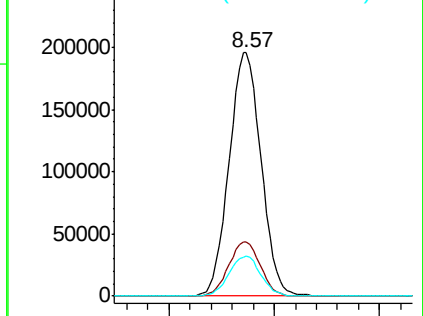
88 16.4 13.0 19.4

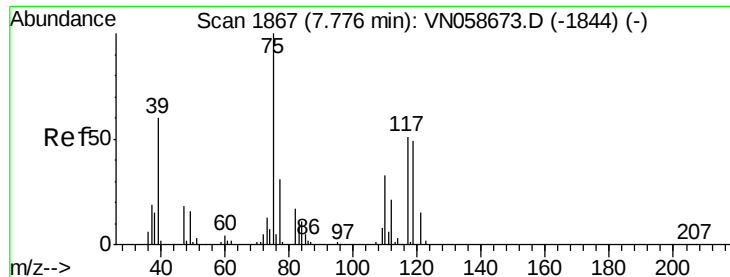


Abundance Ion 114.00 (113.70 to 114.70): VN058691.D (-1960) (-)

Ion 63.00 (62.70 to 63.70): VN058691.D (-1960) (-)

Ion 88.00 (87.70 to 88.70): VN058691.D (-1960) (-)





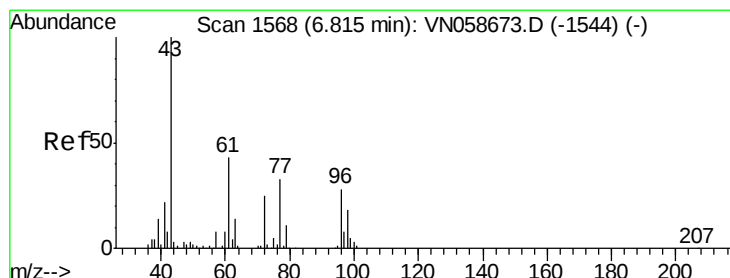
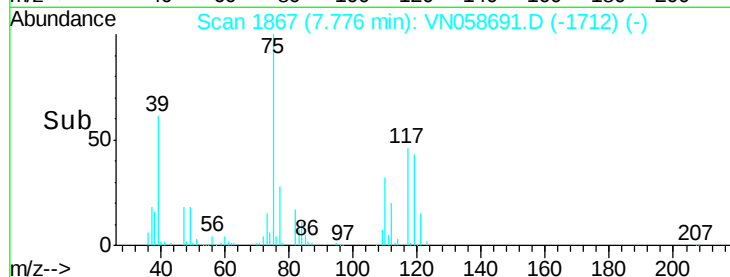
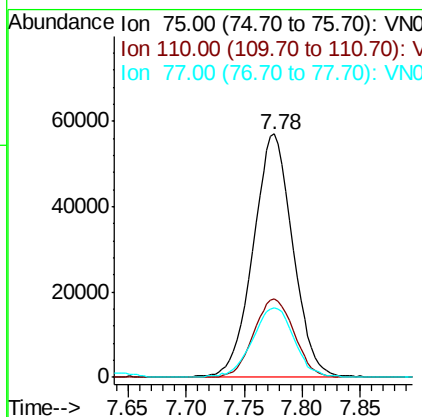
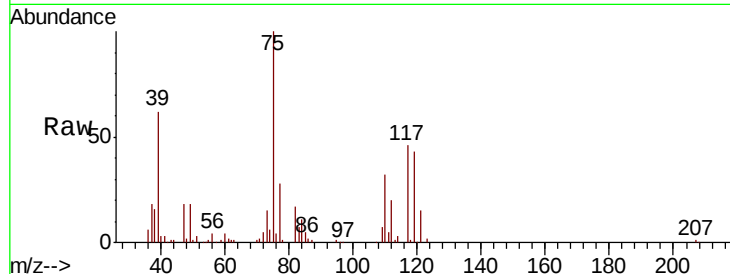
#29
 1,1-Dichloropropene
 Concen: 20.975 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.8	0.0	64.6
77	29.9	0.0	60.8

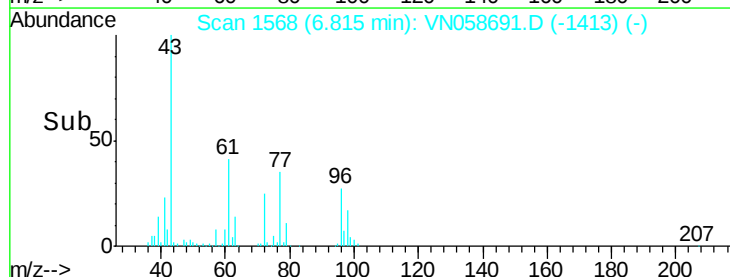
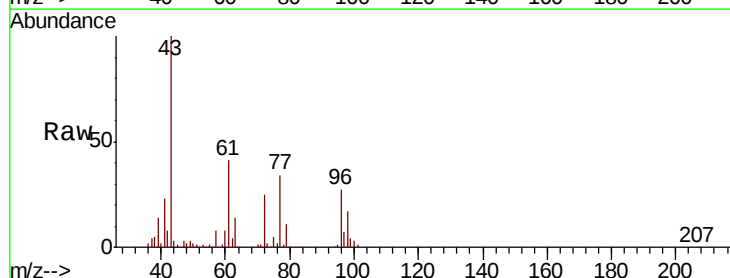
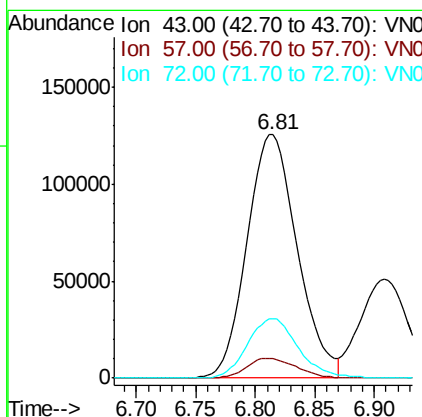
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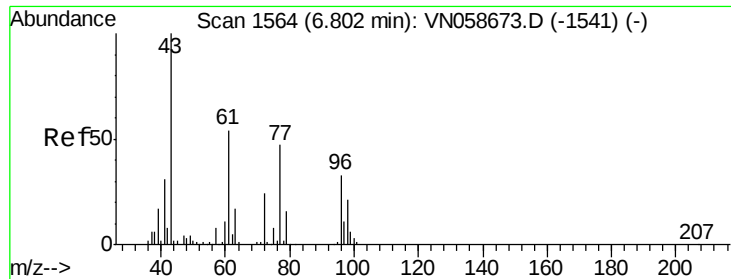
MMDadoda
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#30
 2-Butanone
 Concen: 100.098 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.8	20.1	30.1





#31

2,2-Dichloropropane

Concen: 21.507 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 77 Resp: 164164

Ion Ratio Lower Upper

77 100

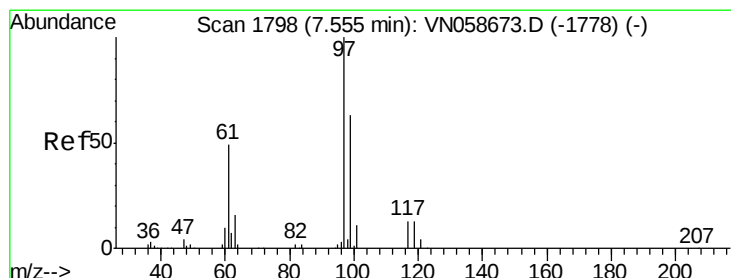
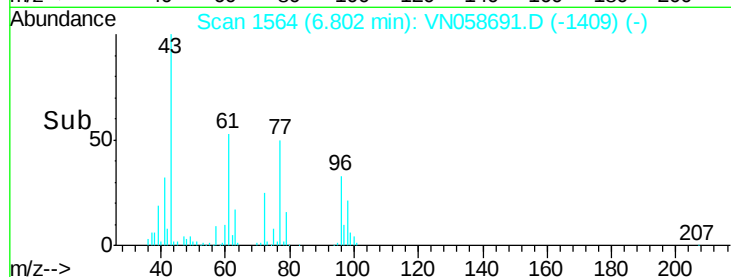
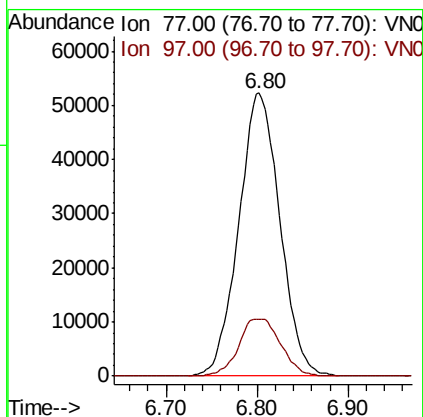
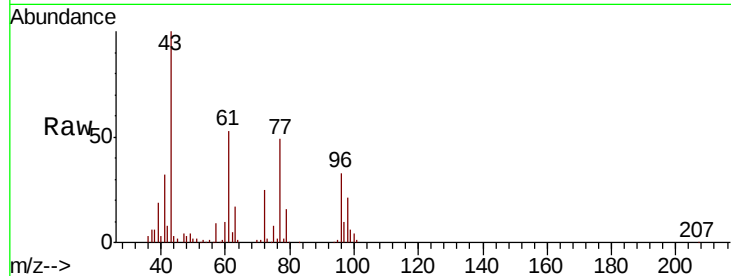
97 20.7 17.9 26.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.500 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

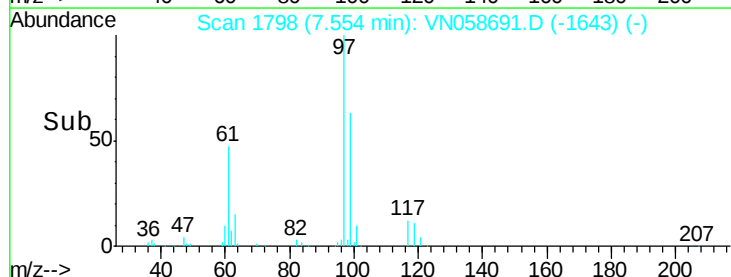
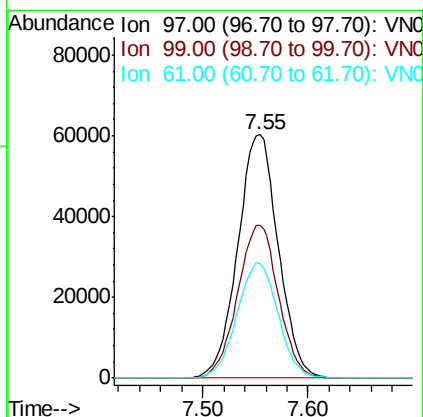
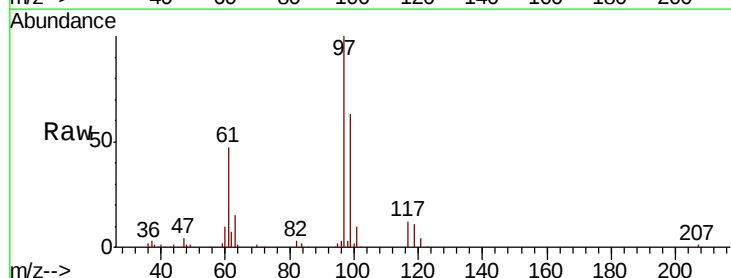
Tgt Ion: 97 Resp: 161036

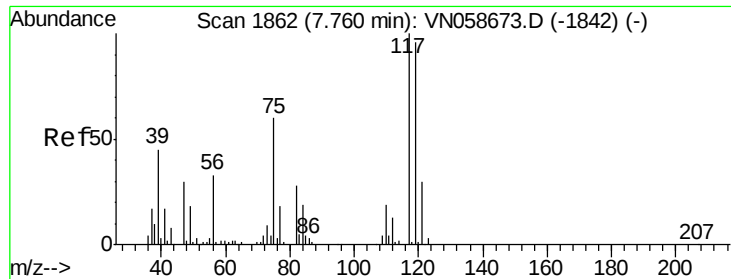
Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 48.0 38.4 57.6





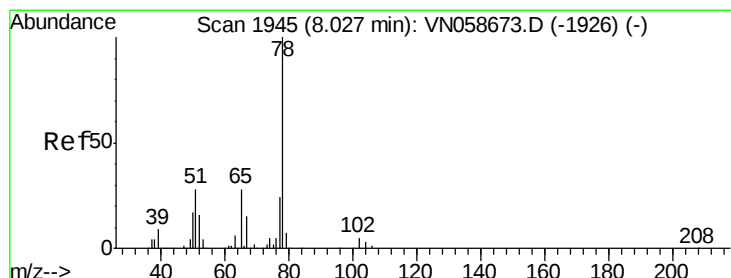
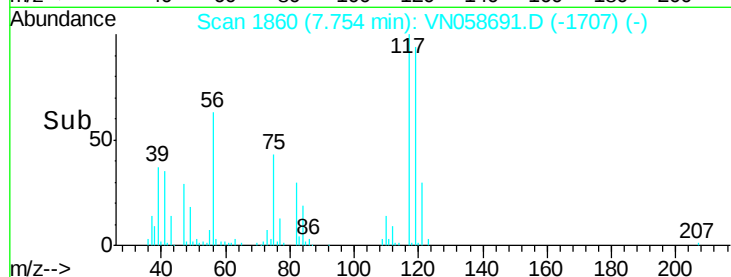
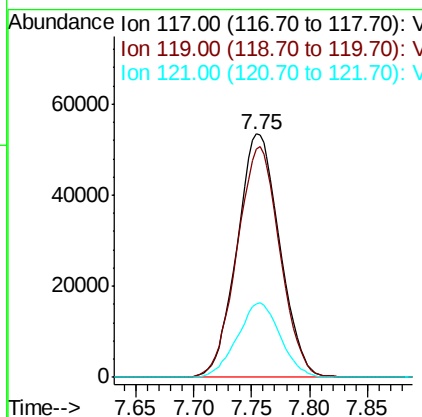
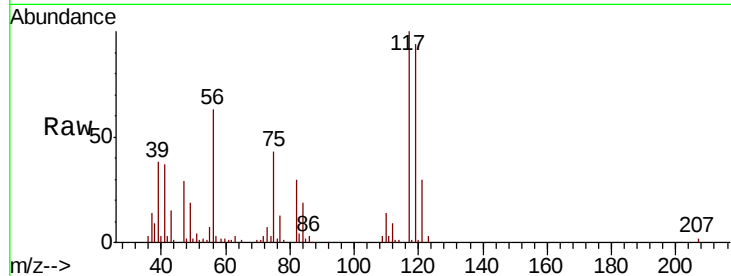
#33
Carbon Tetrachloride
Concen: 21.100 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.9	115.3
121	30.2	23.8	35.8

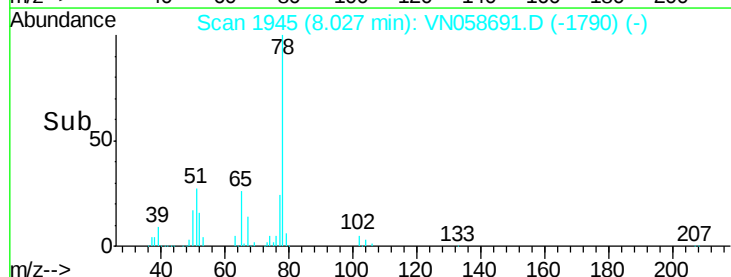
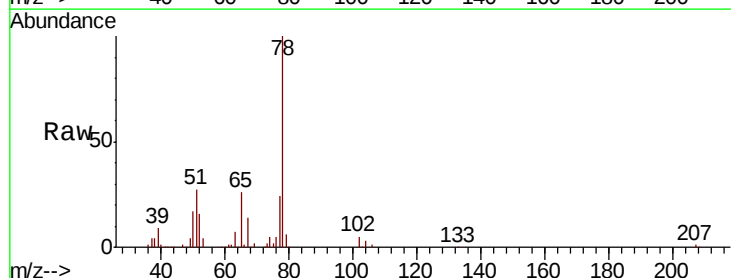
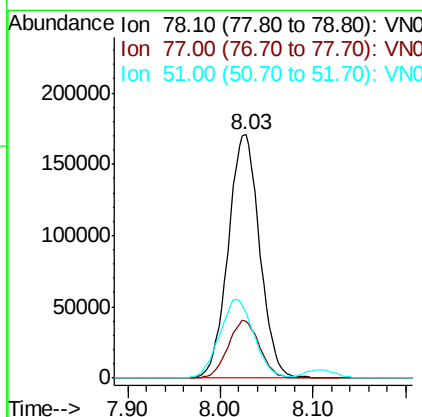
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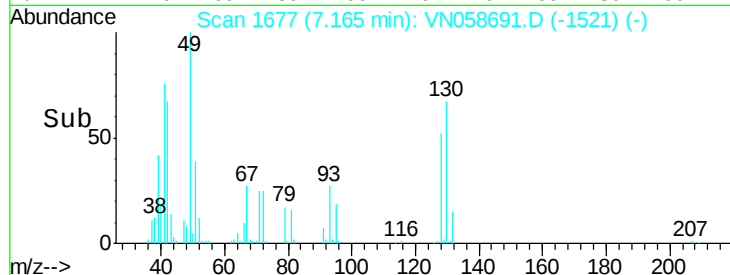
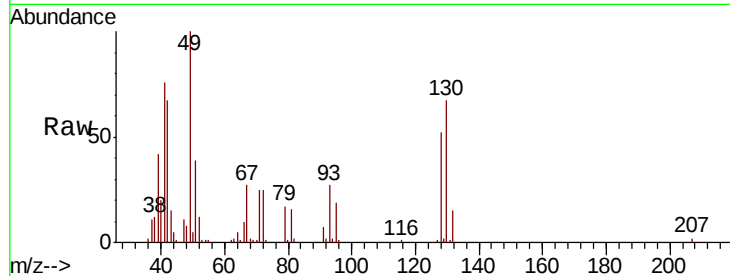
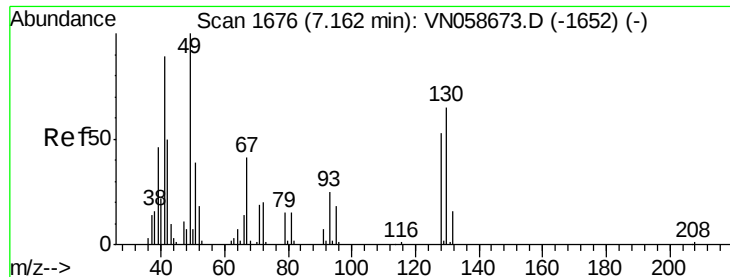
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#34
Benzene
Concen: 21.090 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

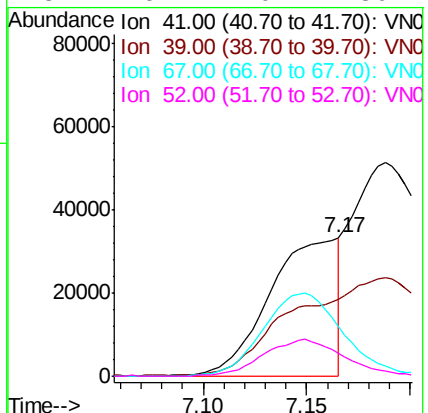
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	26.6	22.1	33.1





#35
Methacrylonitrile
Concen: 23.675 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

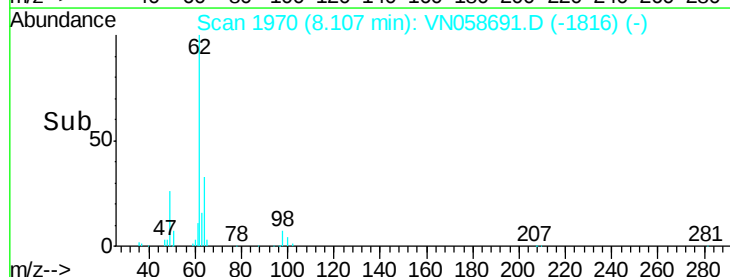
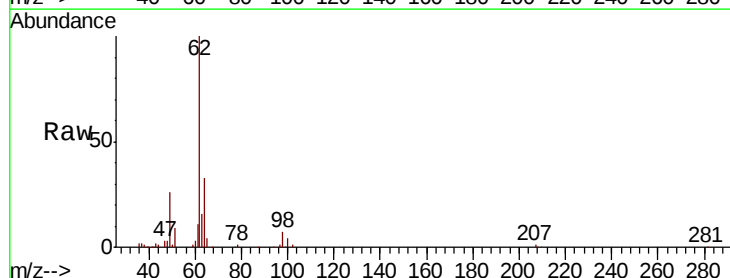
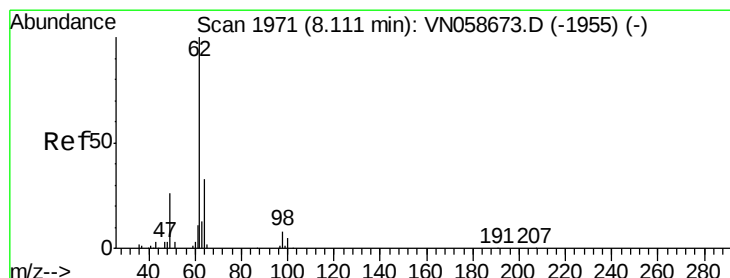
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	25.8	77.4
67	35.8	23.0	69.0
52	16.4	10.1	30.1



Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

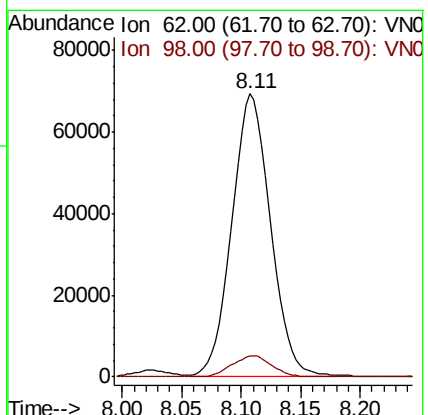
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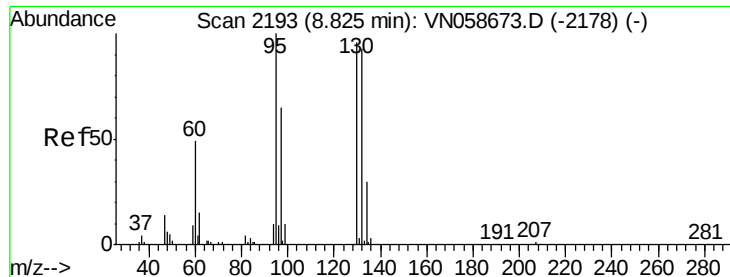
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#36
1,2-Dichloroethane
Concen: 21.372 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6





#37

Trichloroethene

Concen: 21.006 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion:130 Resp: 98387

Ion Ratio Lower Upper

130 100

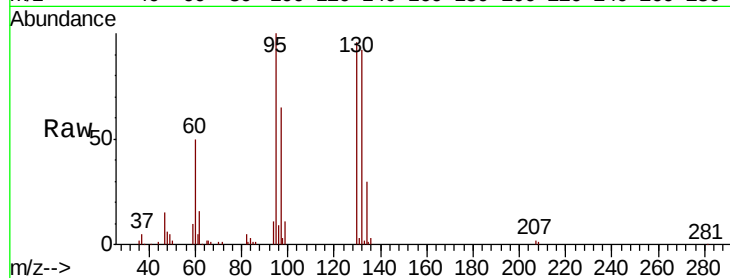
95 104.1 83.2 124.8

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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

50000

40000

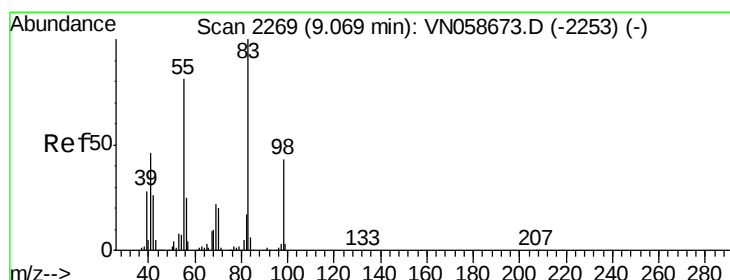
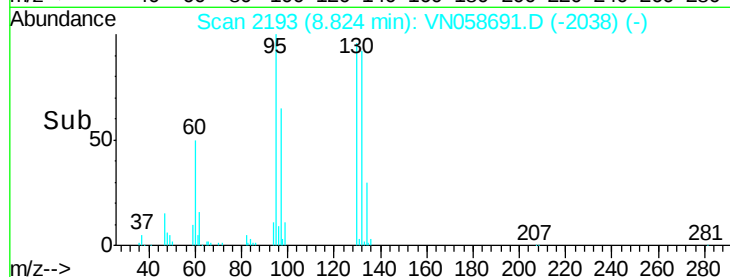
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 20.055 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

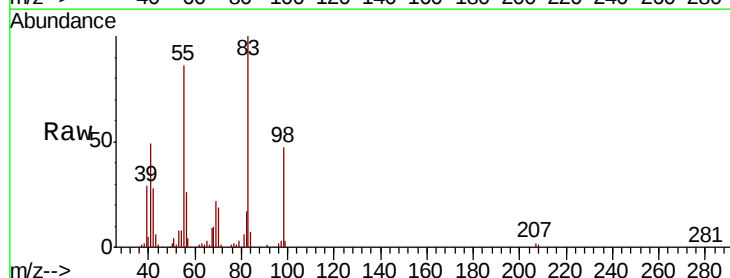
Tgt Ion: 83 Resp: 150580

Ion Ratio Lower Upper

83 100

55 83.6 40.4 121.1

98 46.0 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

80000

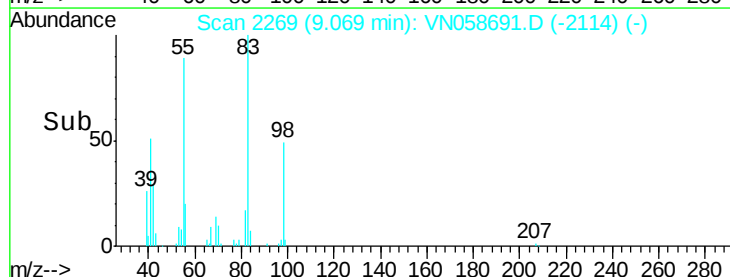
60000

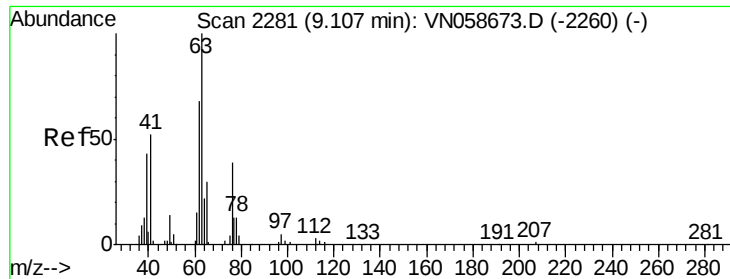
40000

20000

0

Time-->





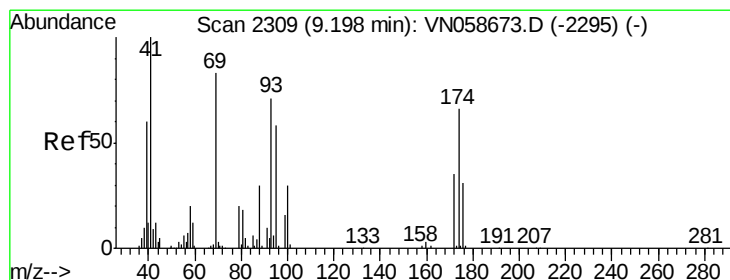
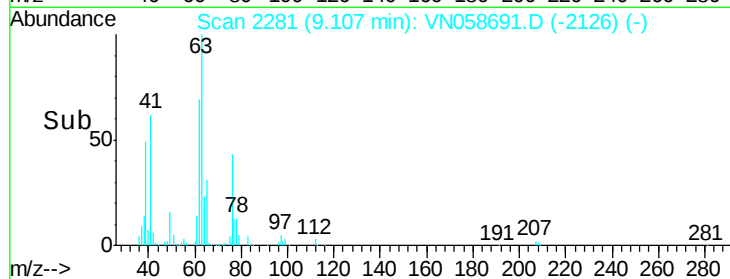
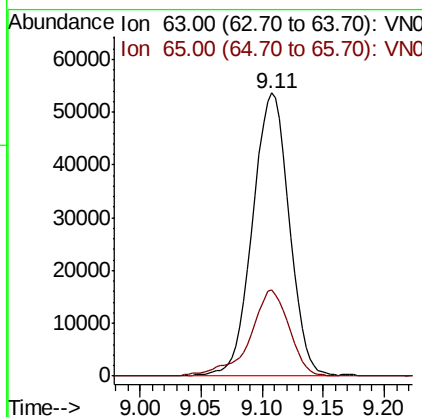
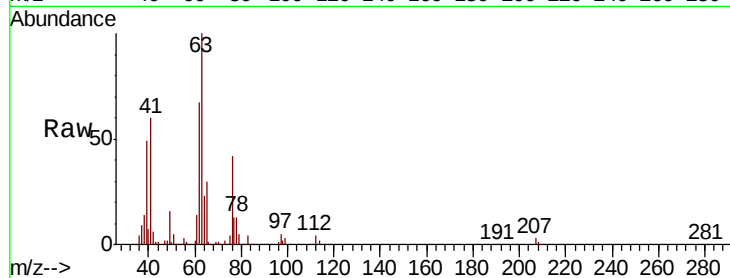
#39
 1,2-Dichloropropane
 Concen: 21.422 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	63	Resp	111613
Ion Ratio	Lower	Upper	
63	100		
65	30.4	23.8	35.6

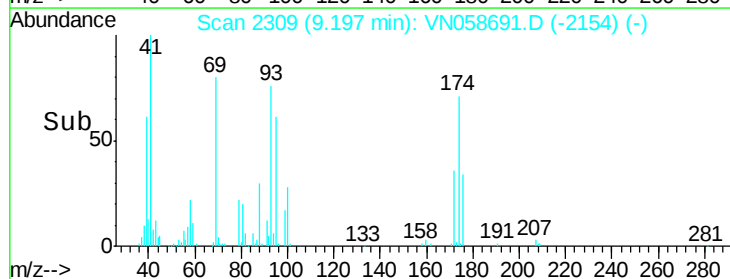
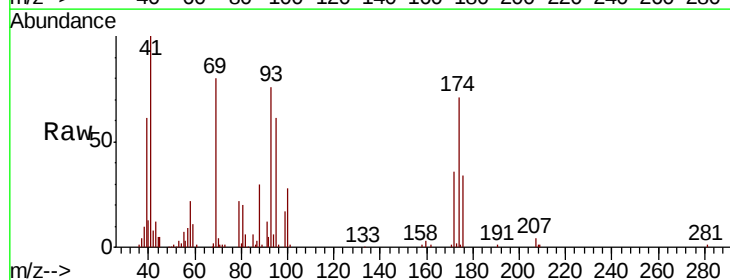
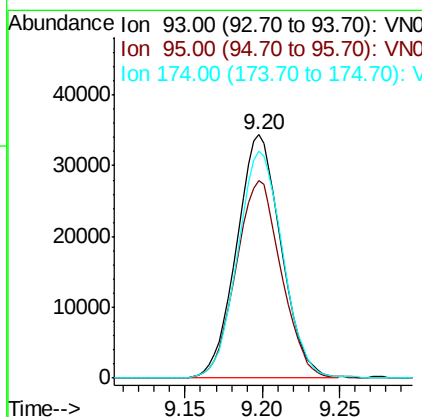
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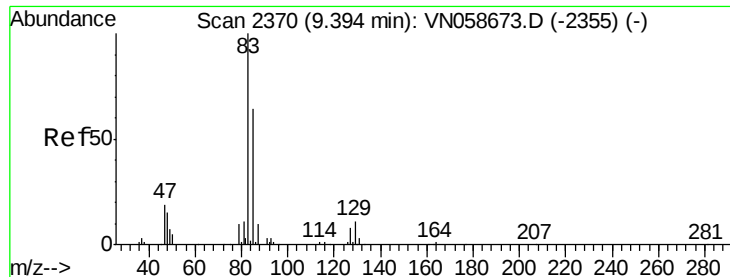
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#40
 Dibromomethane
 Concen: 20.965 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	93	Resp	68956
Ion Ratio	Lower	Upper	
93	100		
95	82.4	0.0	167.6
174	94.2	0.0	187.2





#41

Bromodichloromethane

Concen: 21.133 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

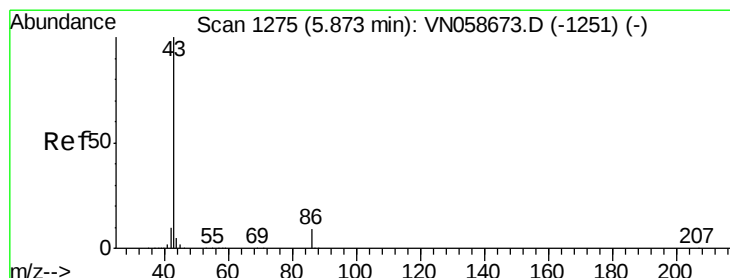
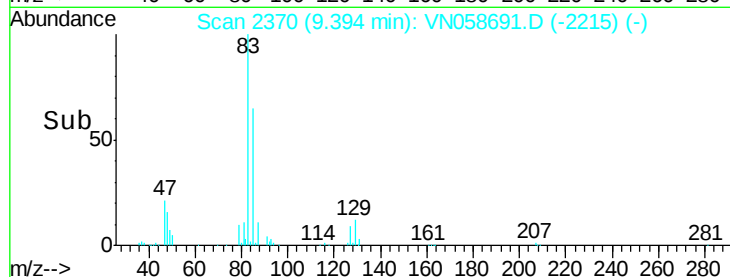
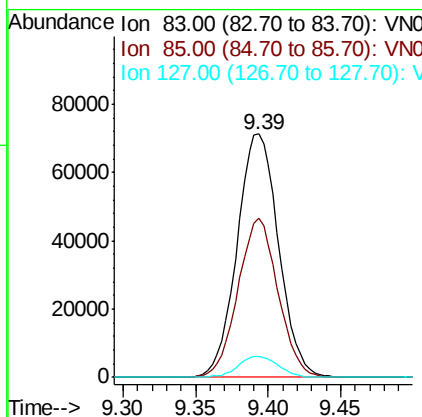
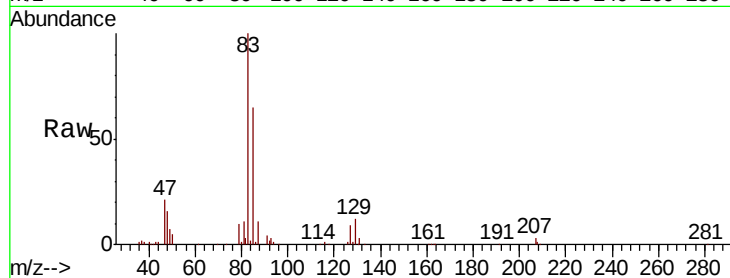
ClientSampleId :

VN1012WBSD01

Tot Ion:	83	Resp:	142005
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.0	76.4
127	8.5	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 108.236 ug/l

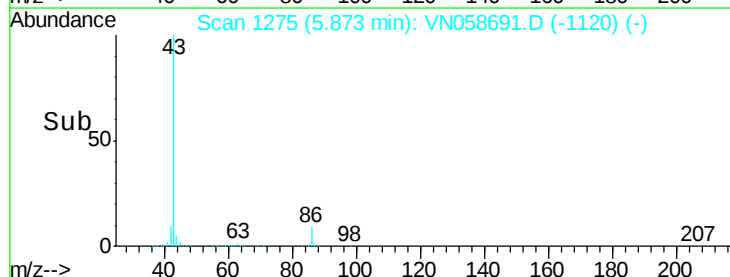
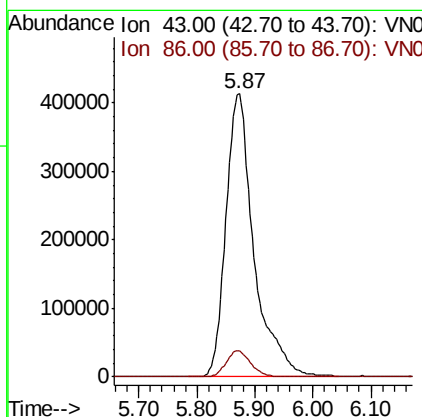
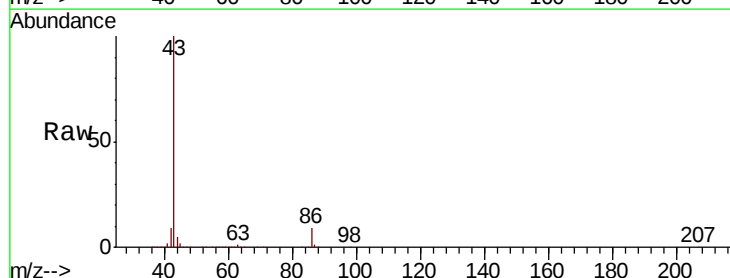
RT: 5.87 min Scan# 1275

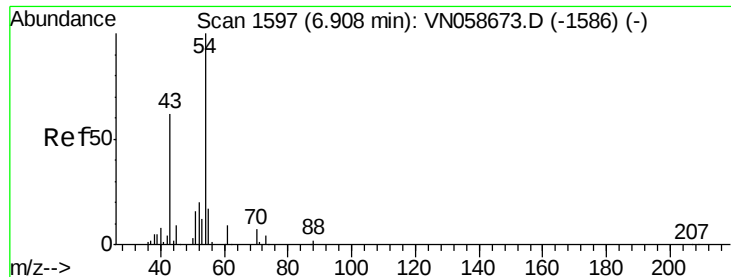
Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion:	43	Resp:	1387210
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.5	9.7





#43

Ethyl Acetate

Concen: 20.755 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 43 Resp: 149079

Ion Ratio Lower Upper

43 100

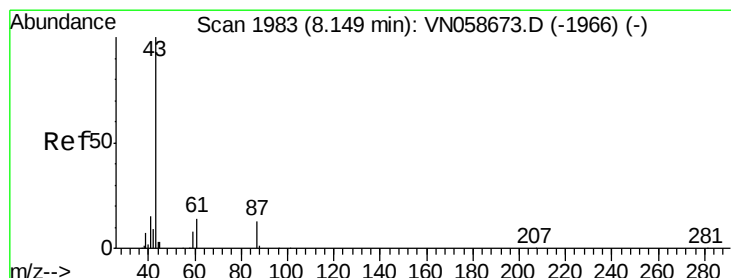
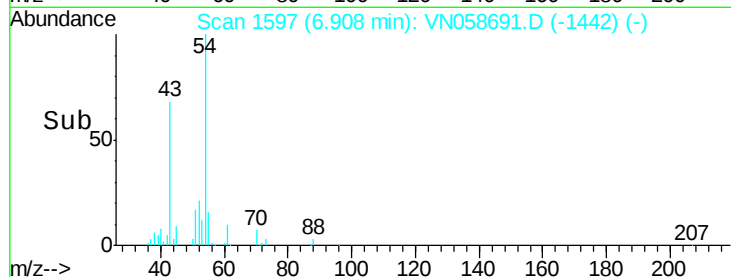
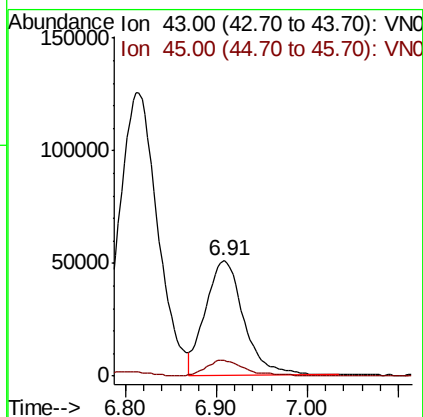
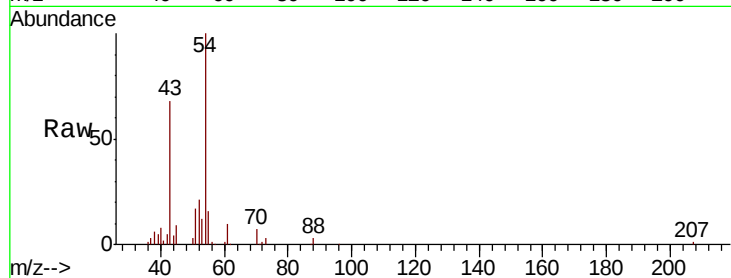
45 11.8 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.501 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058691.D

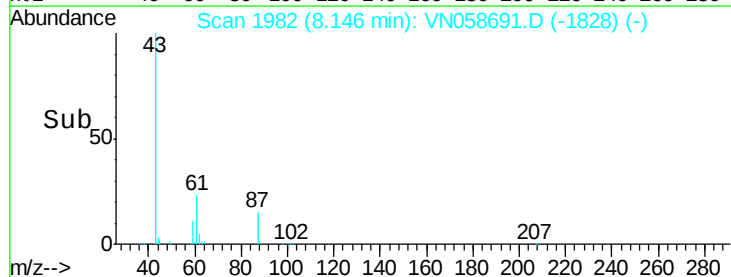
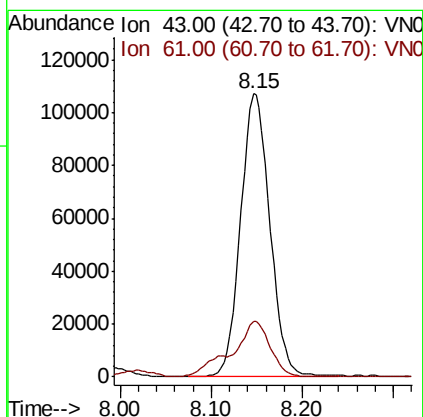
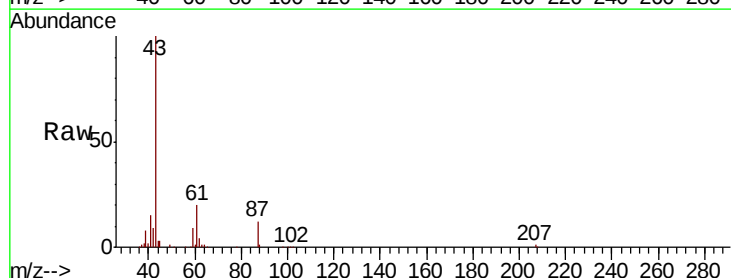
Acq: 11 Oct 2019 10:25

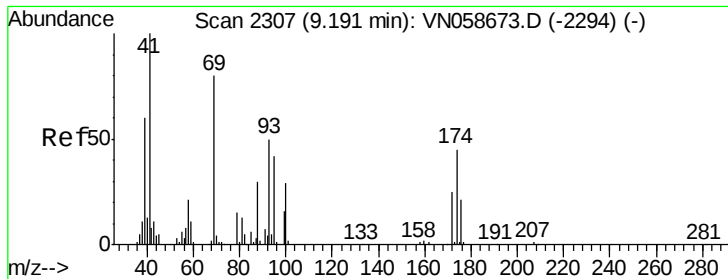
Tgt Ion: 43 Resp: 238521

Ion Ratio Lower Upper

43 100

61 19.2 19.9 29.9#





#45

1,4-Dioxane

Concen: 402.397 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

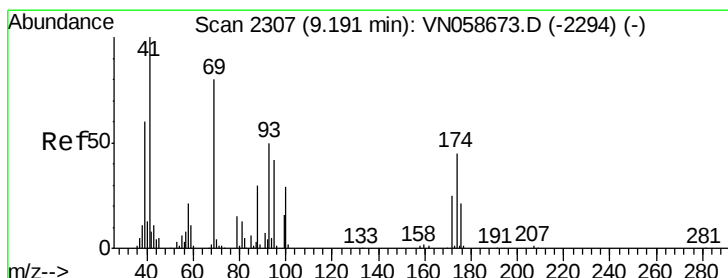
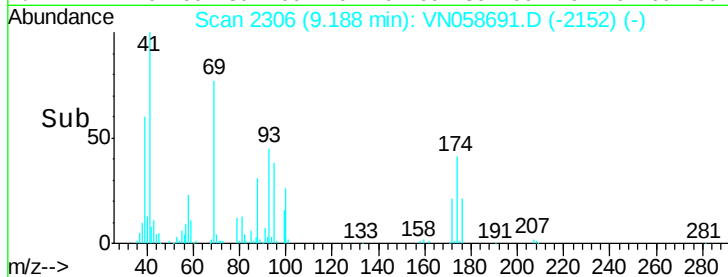
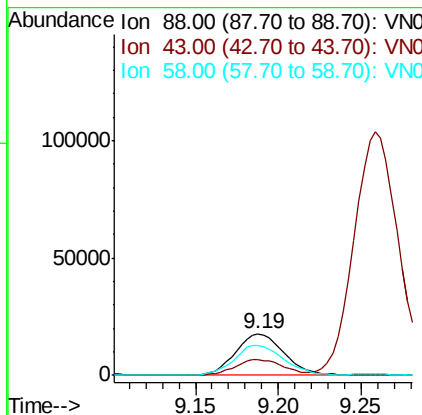
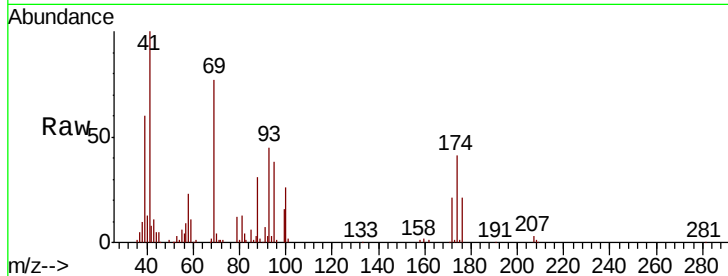
ClientSampleId :

VN1012WBSD01

Tot Ion:	88	Resp:	35950
Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.8	44.8
58	74.6	58.2	87.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 19.960 ug/l

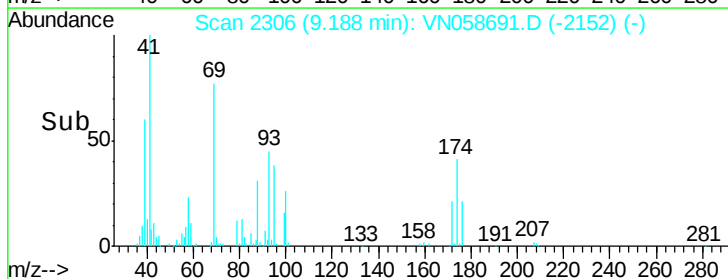
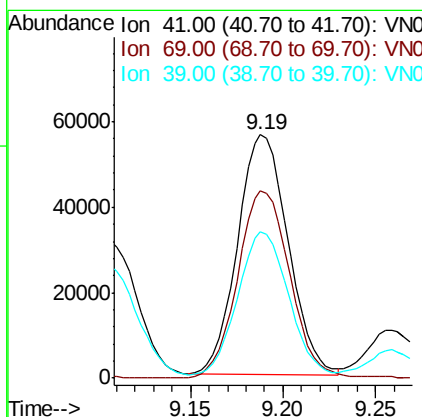
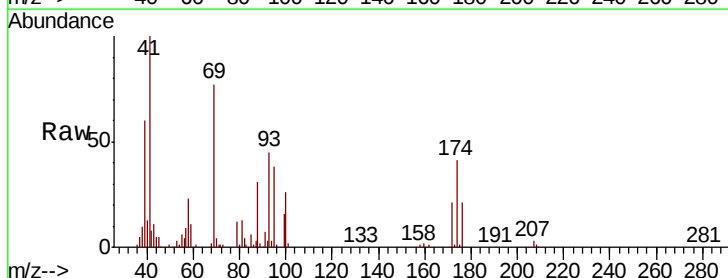
RT: 9.19 min Scan# 2306

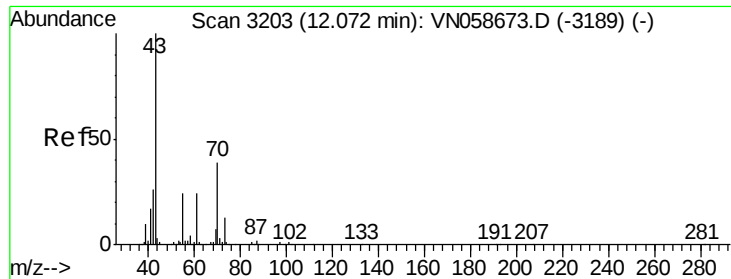
Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion:	41	Resp:	106611
Ion	Ratio	Lower	Upper
41	100		
69	78.5	40.2	120.5
39	59.8	29.9	89.8





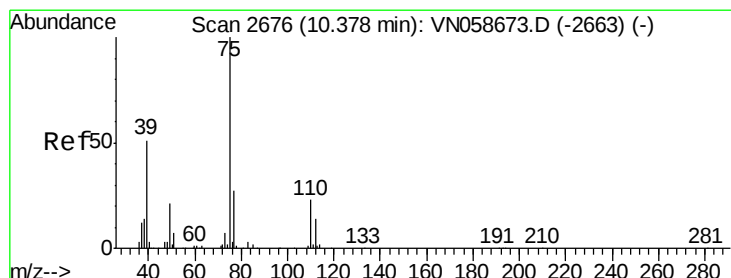
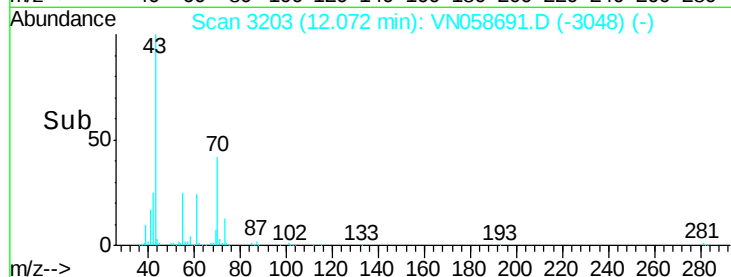
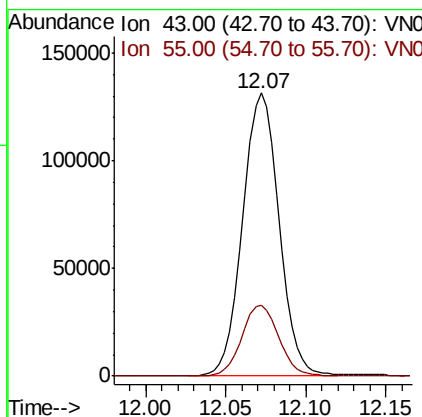
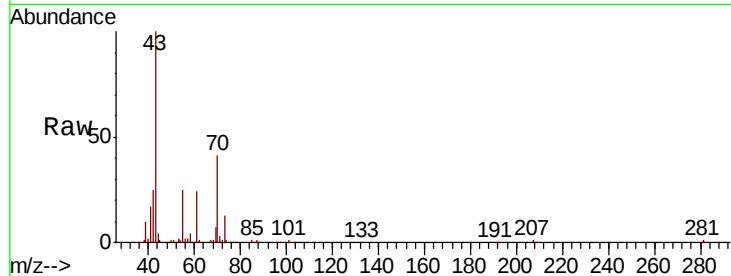
#47
n-amvl Acetate
Concen: 19.611 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
55	25.6	19.6	29.4

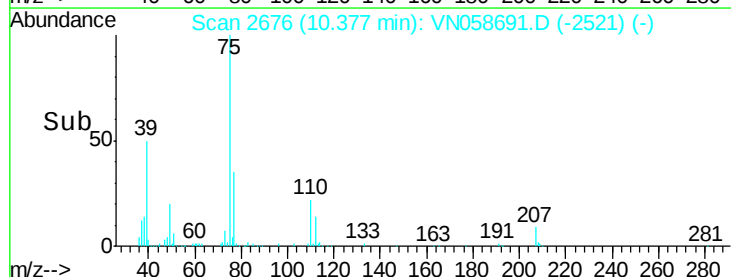
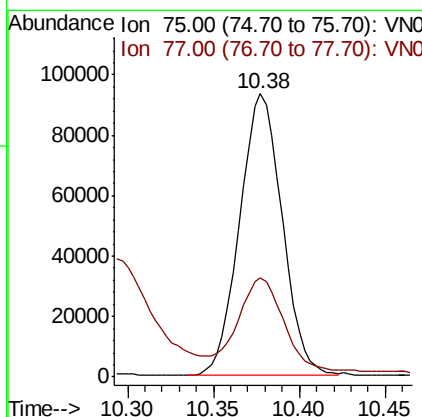
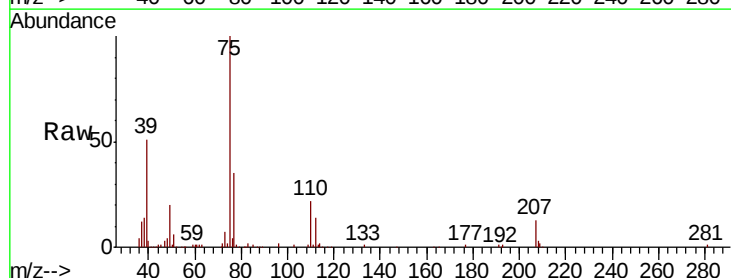
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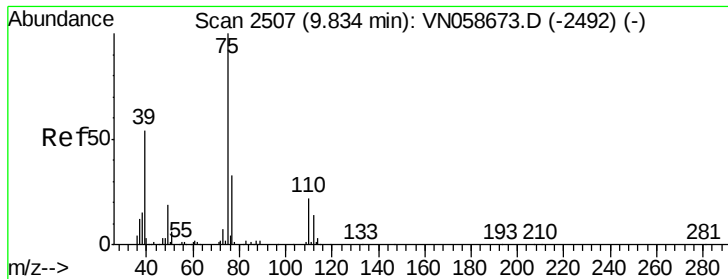
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.534 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	27.0	40.4





#49

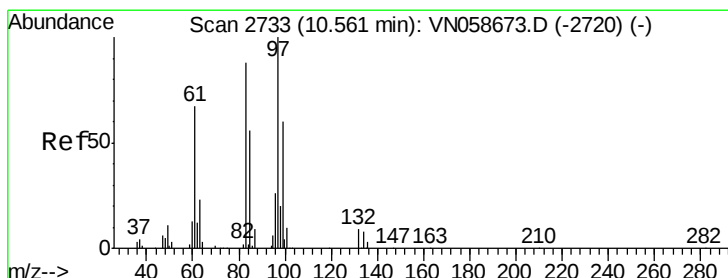
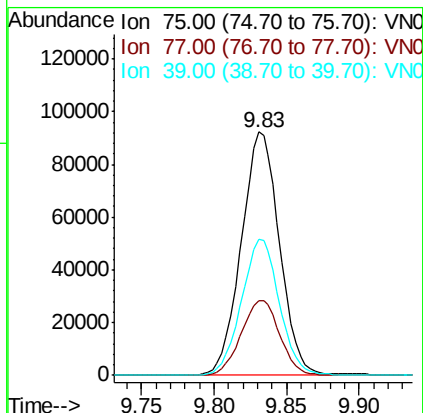
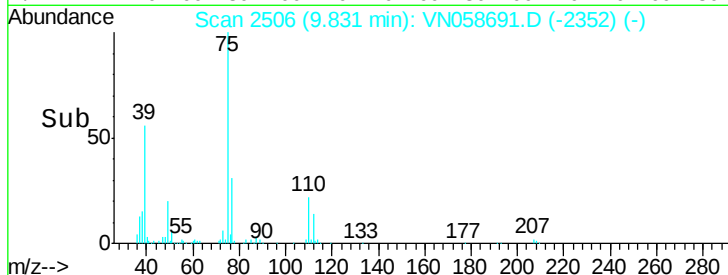
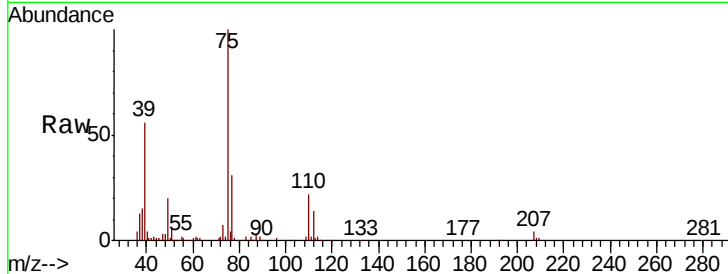
cis-1,3-Dichloropropene
Concen: 20.634 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.1	39.1
39	55.5	43.1	64.7

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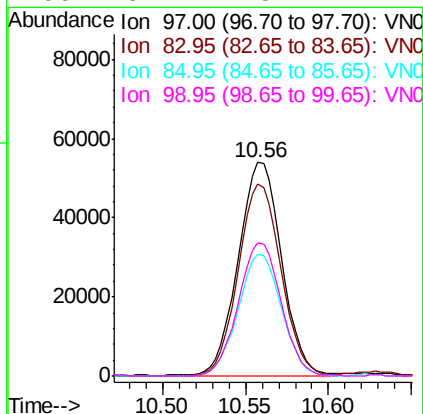
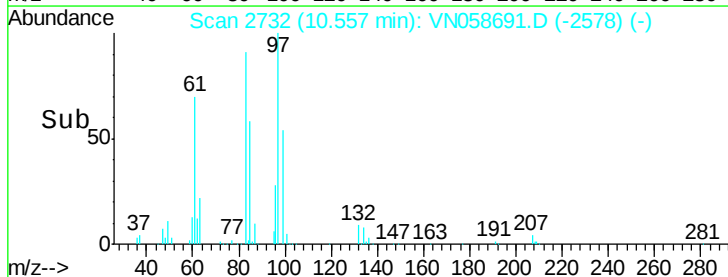
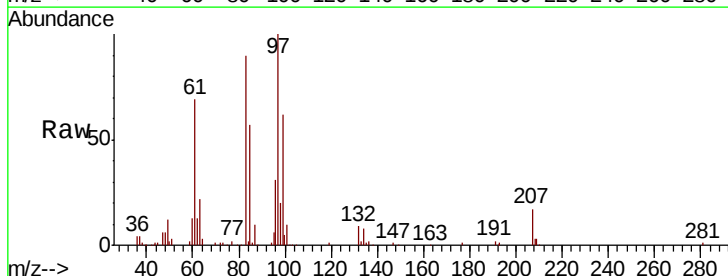
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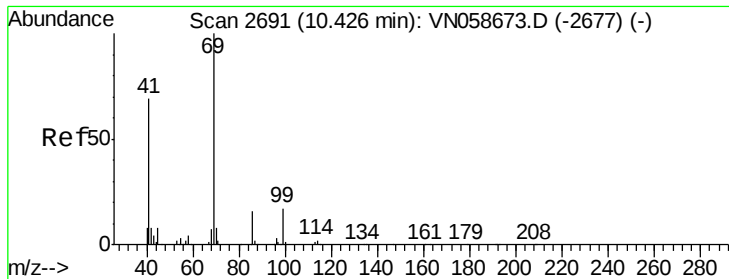


#50

1,1,2-Trichloroethane
Concen: 20.991 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.7	106.1
85	57.5	45.1	67.7
99	62.7	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.881 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

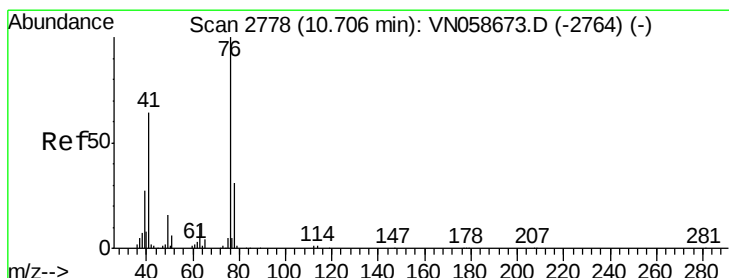
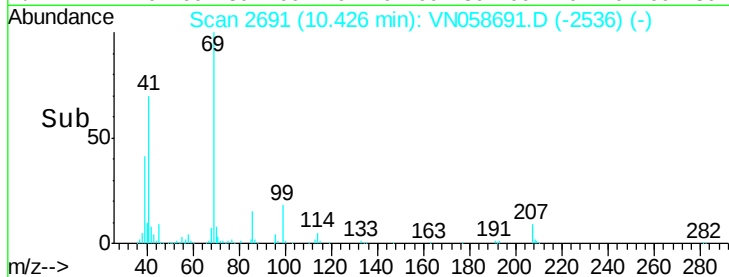
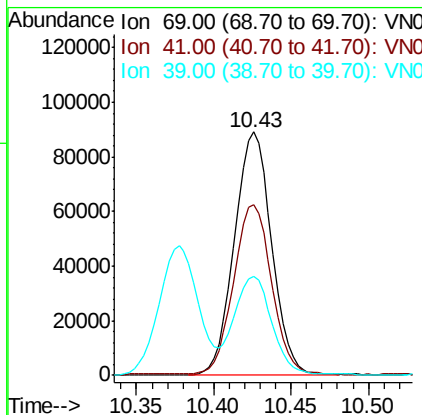
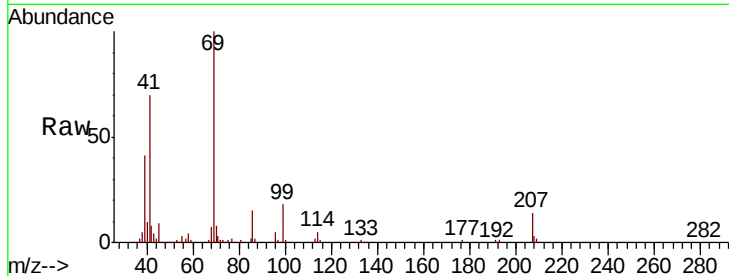
ClientSampleId :

VN1012WBSD01

Tot Ion:	69	Resp:	149265
Ion	Ratio	Lower	Upper
69	100		
41	69.7	34.7	104.1
39	40.3	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.845 ug/l

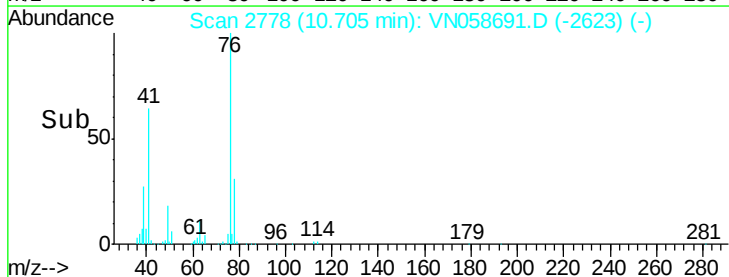
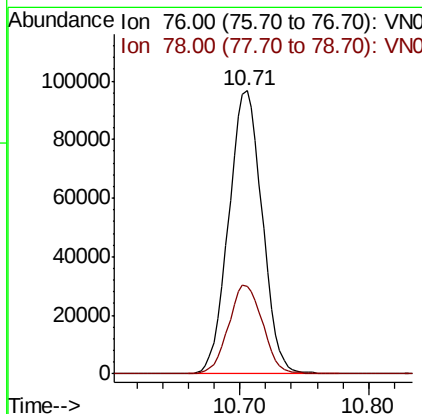
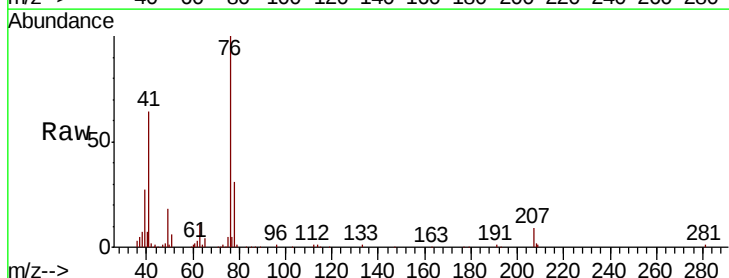
RT: 10.71 min Scan# 2778

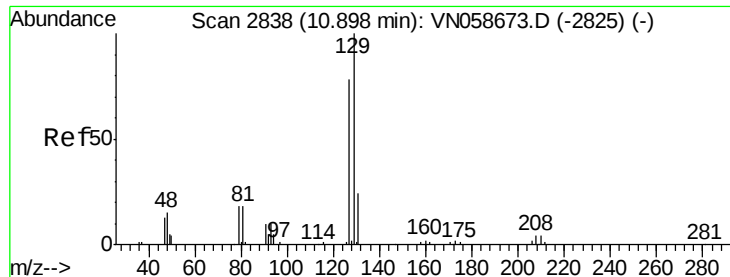
Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion:	76	Resp:	174306
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.2





#53

Dibromochloromethane

Concen: 20.764 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion:129 Resp: 104629

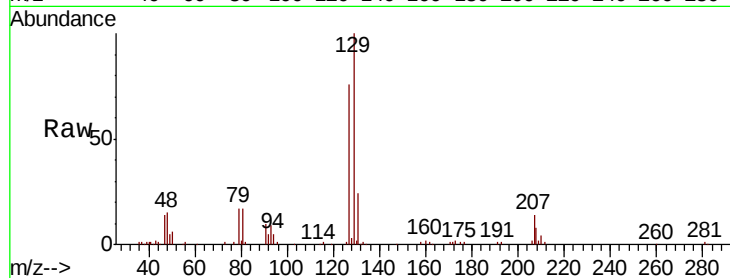
Ion Ratio Lower Upper

129 100

127 75.8 39.1 117.5

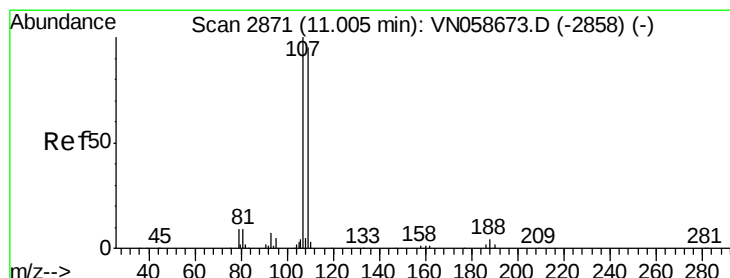
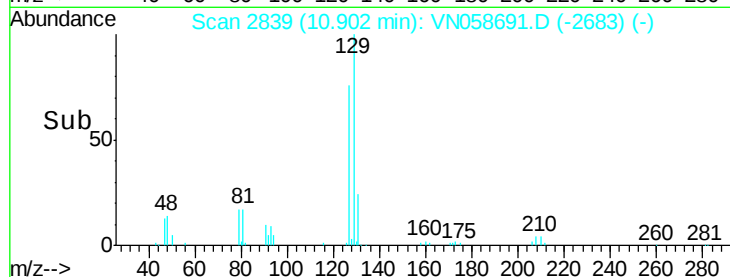
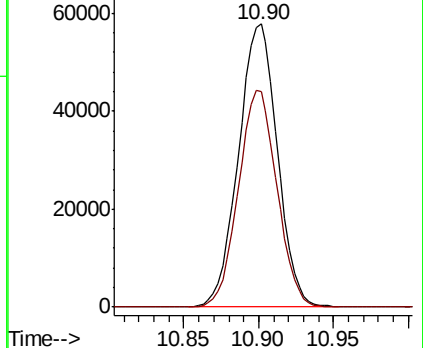
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.522 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058691.D

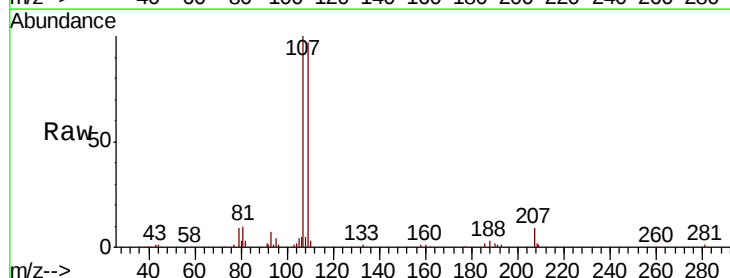
Acq: 11 Oct 2019 10:25

Tgt Ion:107 Resp: 99879

Ion Ratio Lower Upper

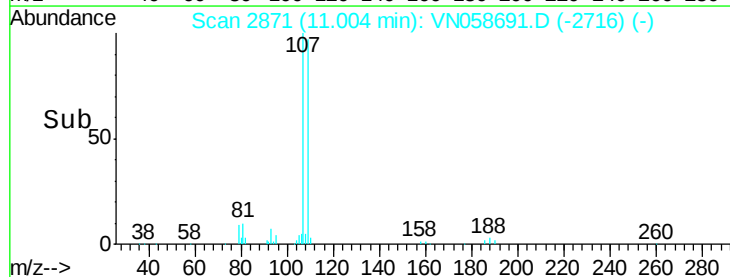
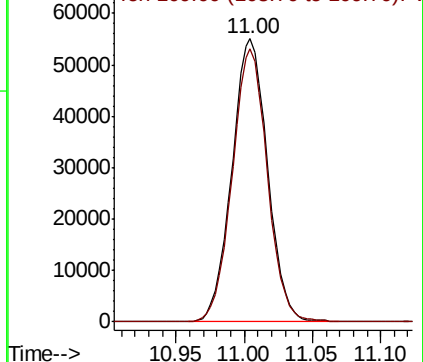
107 100

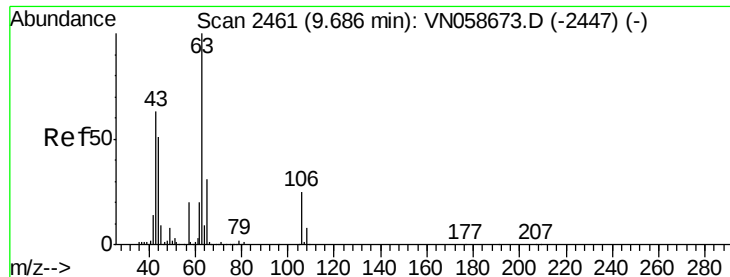
109 94.9 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 103.263 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

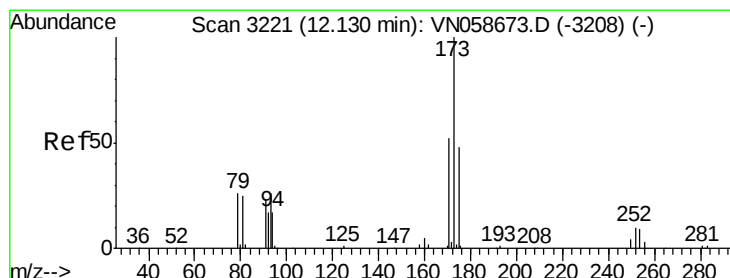
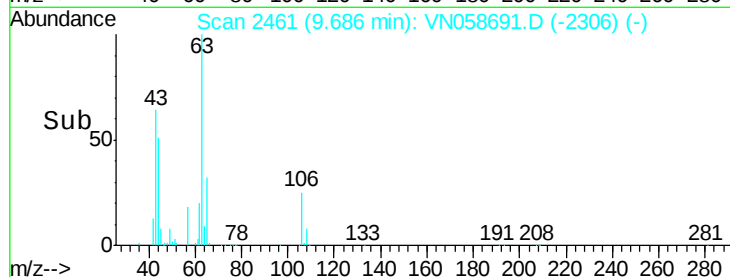
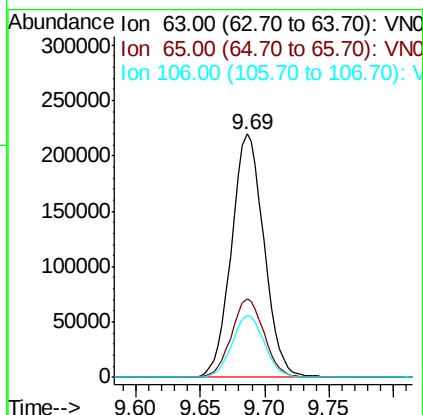
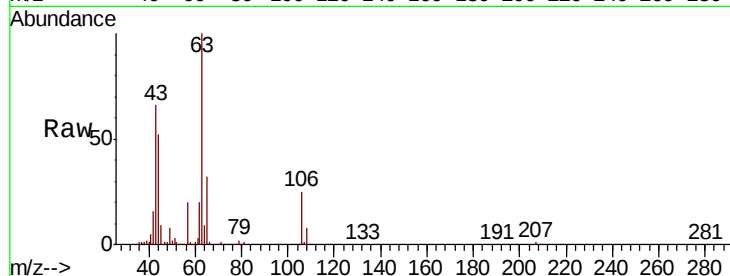
VN1012WBSD01

Tot Ion: 63 Resp: 385660

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.3	37.9
106	25.3	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 20.102 ug/l

RT: 12.13 min Scan# 3221

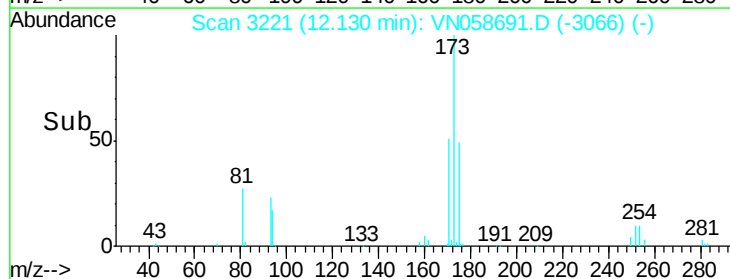
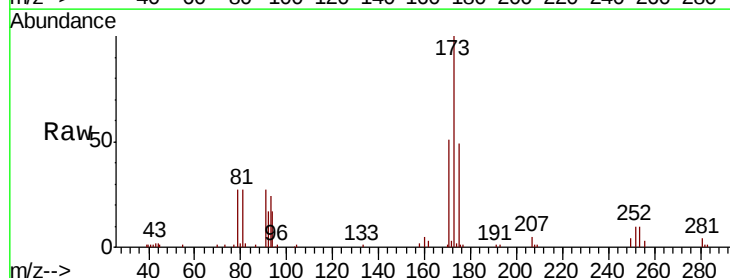
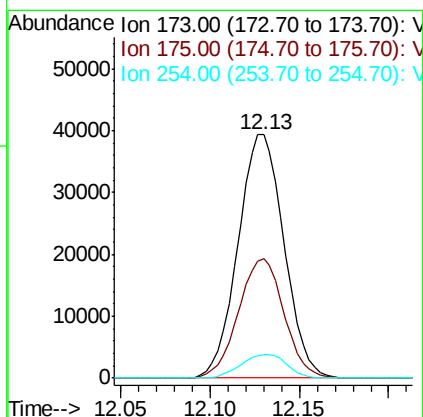
Delta R.T. -0.00 min

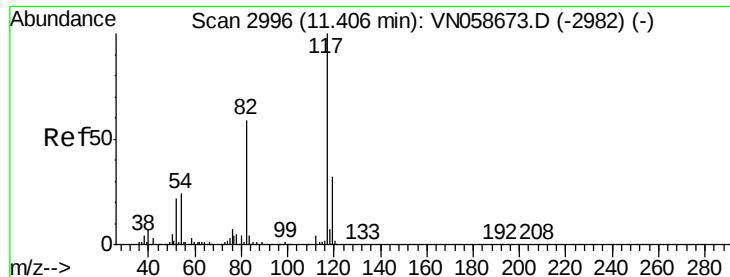
Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion: 173 Resp: 70564

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	9.7	7.4	11.2





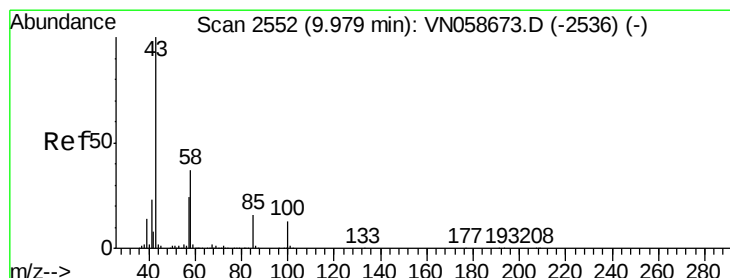
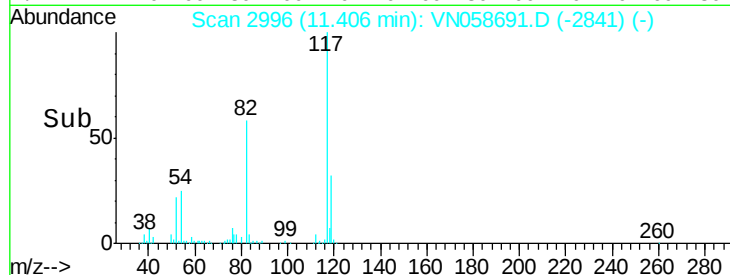
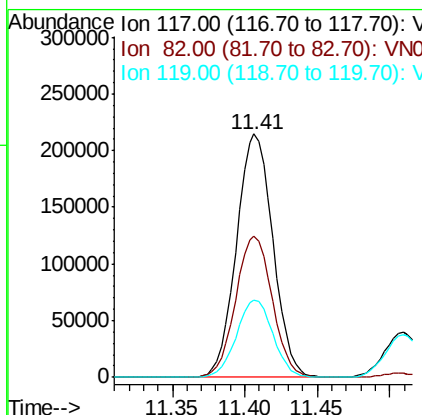
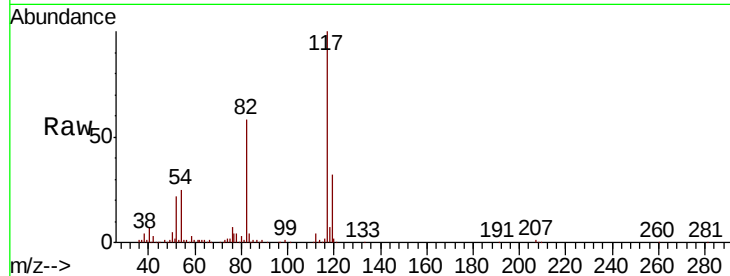
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	31.8	25.8	38.6

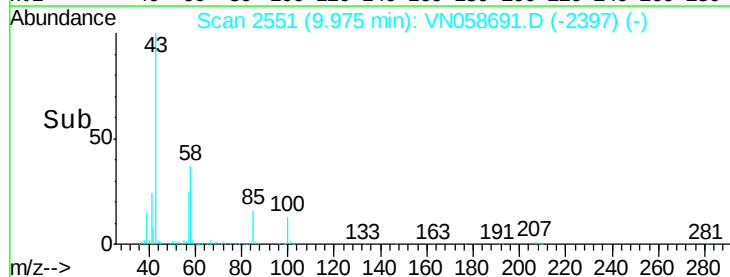
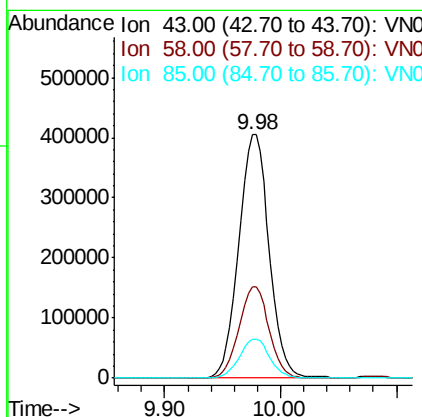
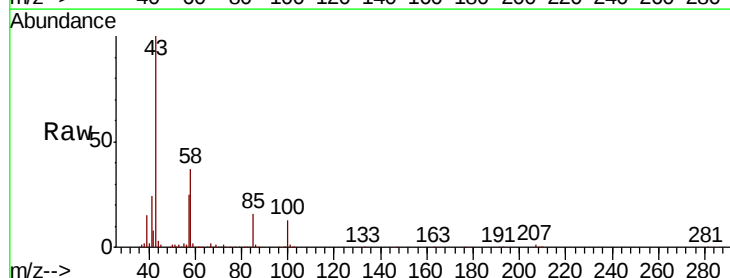
Manual Integrations
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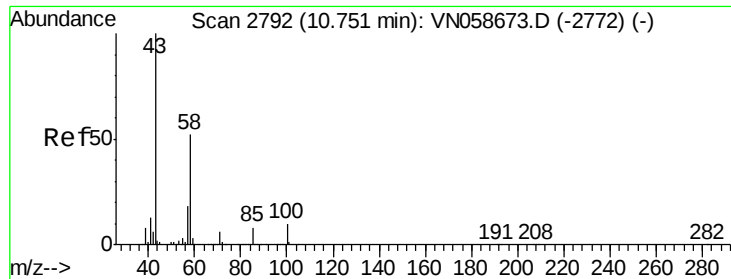
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 107.271 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
85	16.1	13.2	19.8





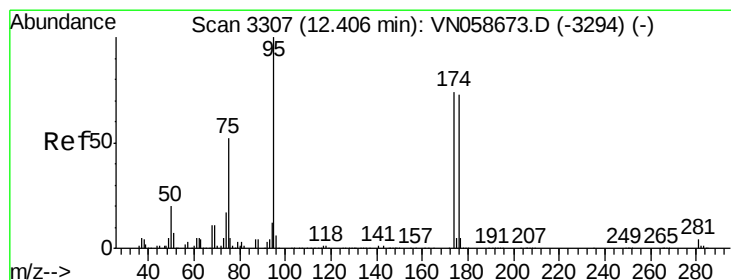
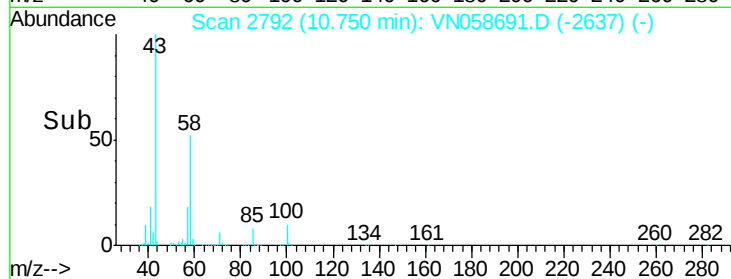
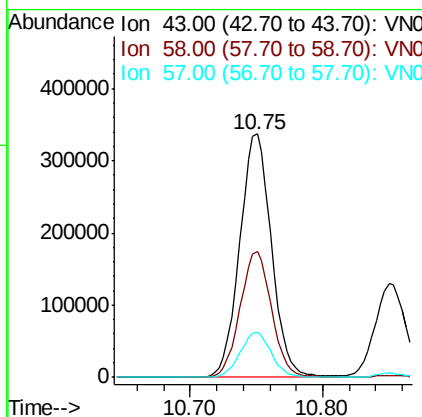
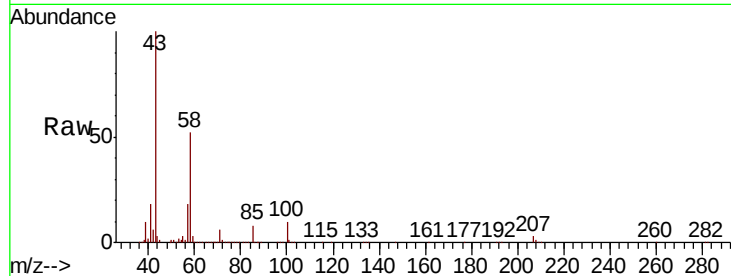
#59
2-Hexanone
Concen: 104.285 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.4	62.0
57	18.4	14.7	22.1

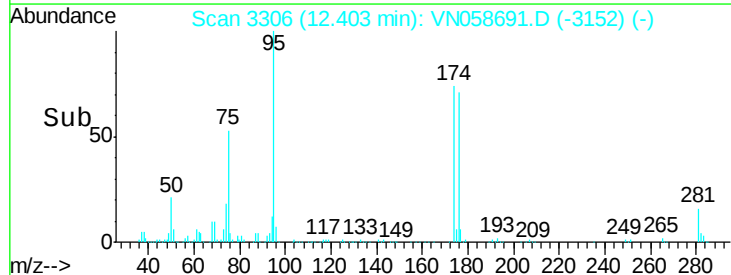
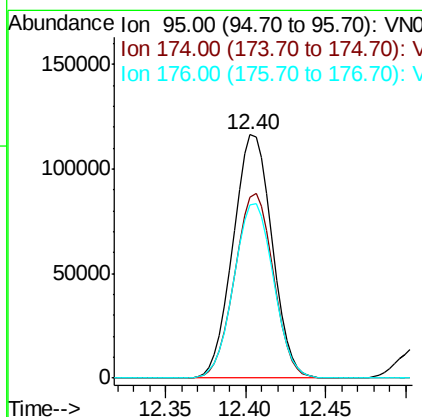
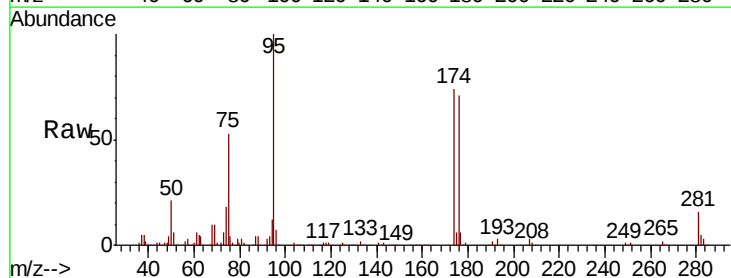
Manual Integrations
APPROVED

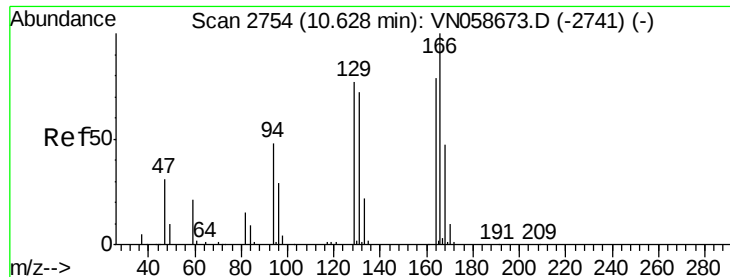
MMDadoda
10/14/2019 4:59:30 PM



#60
4-Bromofluorobenzene
Concen: 29.537 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	59.9	89.9
176	72.9	58.3	87.5





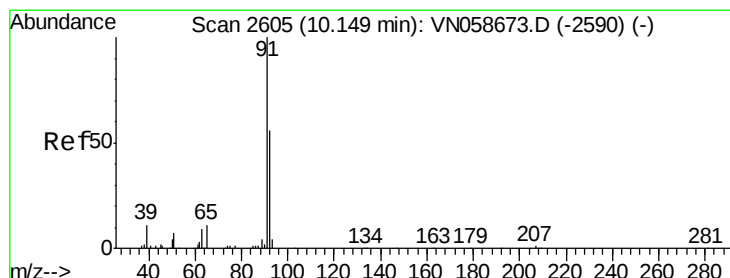
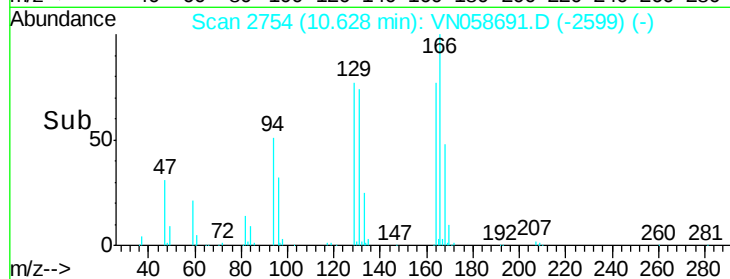
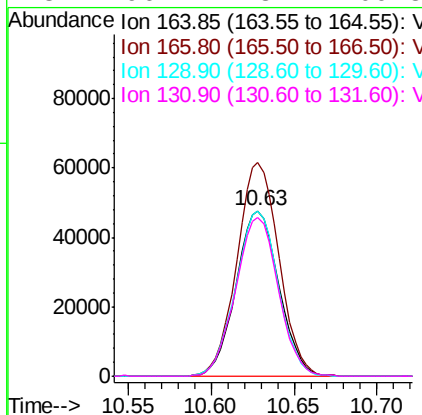
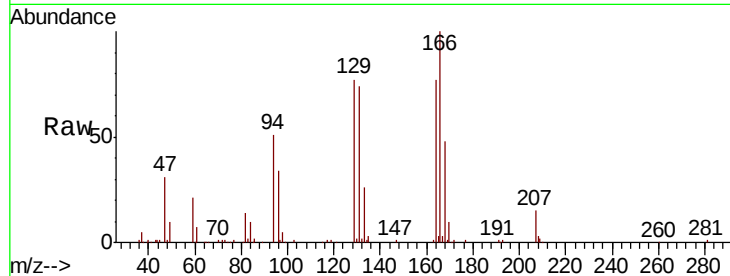
#61
Tetrachloroethene
Concen: 21.103 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion:	164	Resp:	85553
Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.4	152.2
129	99.5	78.1	117.1
131	96.2	73.2	109.8

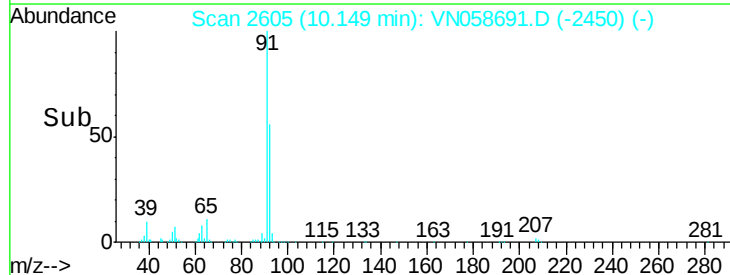
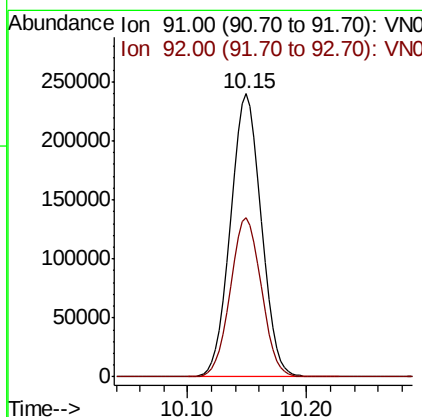
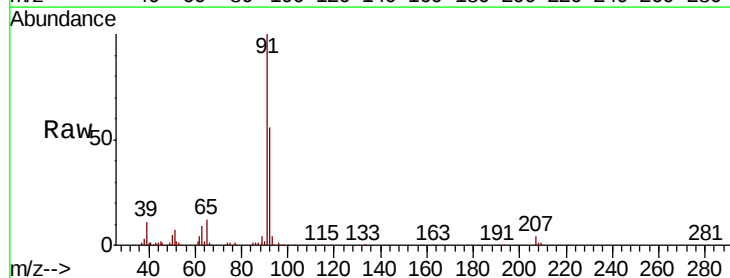
Manual Integrations
APPROVED

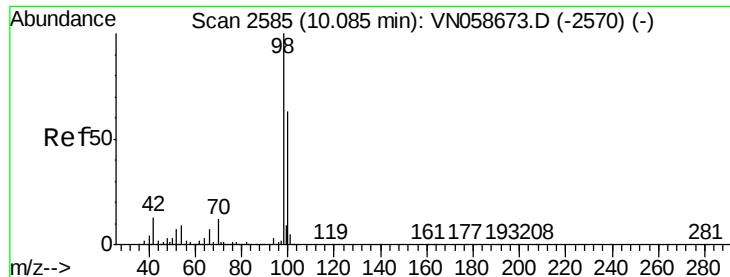
MMDadoda
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#62
Toluene
Concen: 21.325 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion:	91	Resp:	430337
Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.4	68.2





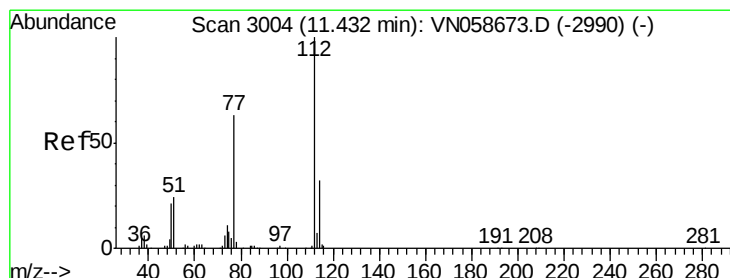
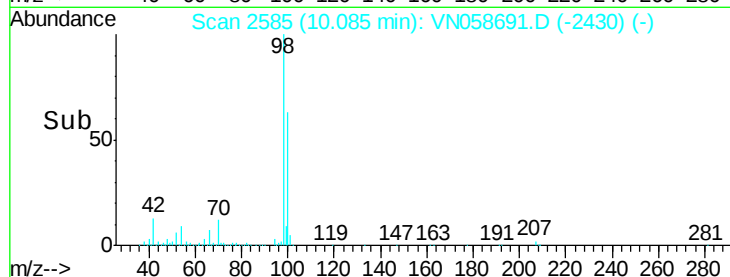
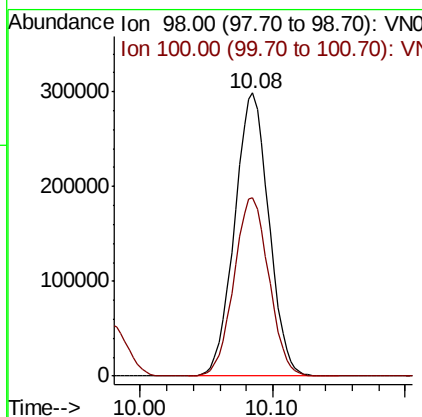
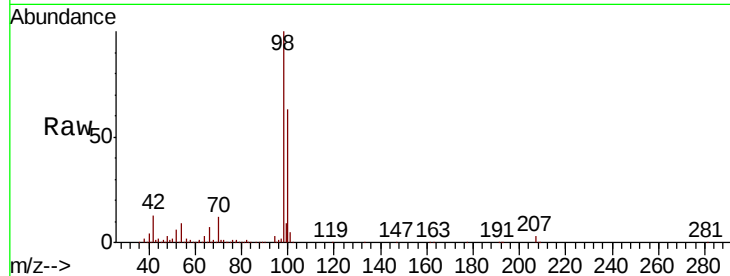
#63
Toluene-d8
Concen: 30.312 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 98 Resp: 536934
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8

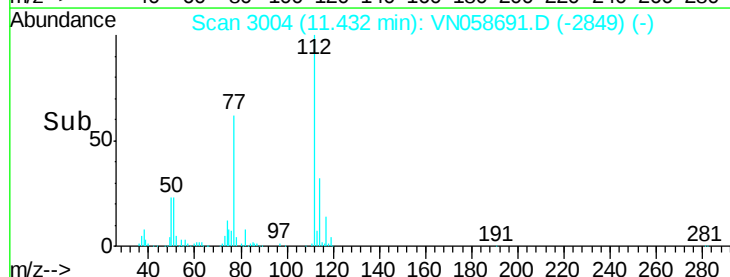
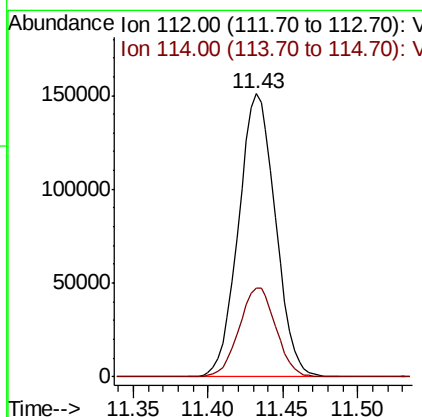
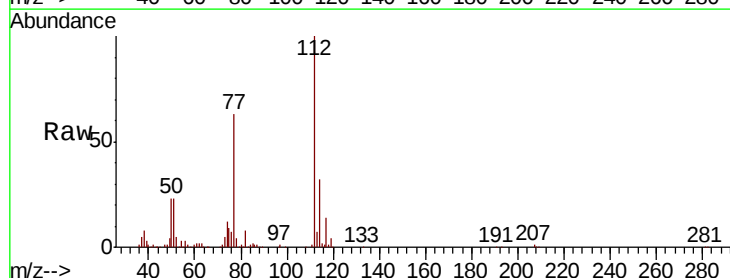
Manual Integrations
APPROVED

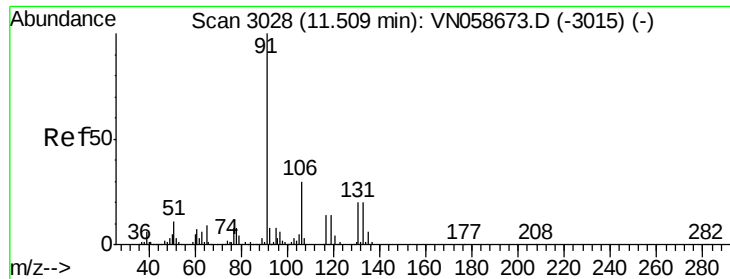
MMDadoda
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#64
Chlorobenzene
Concen: 21.002 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion: 112 Resp: 259117
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5





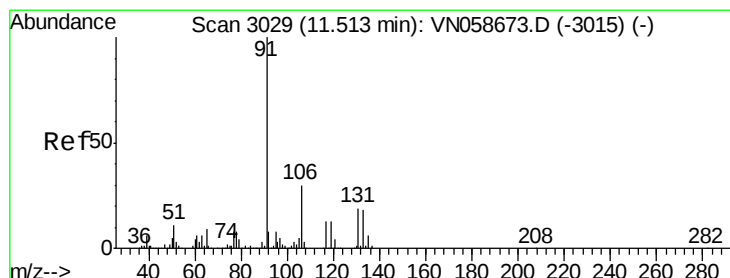
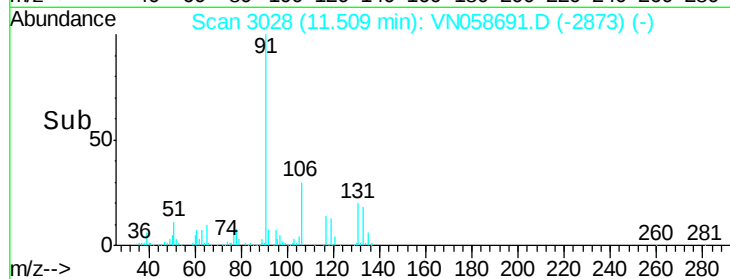
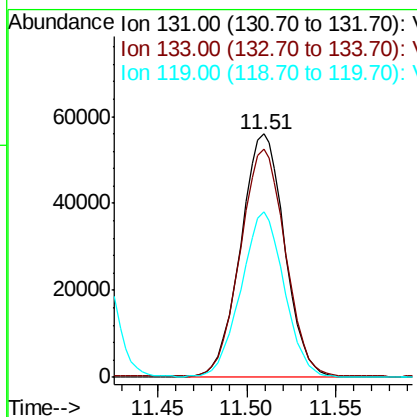
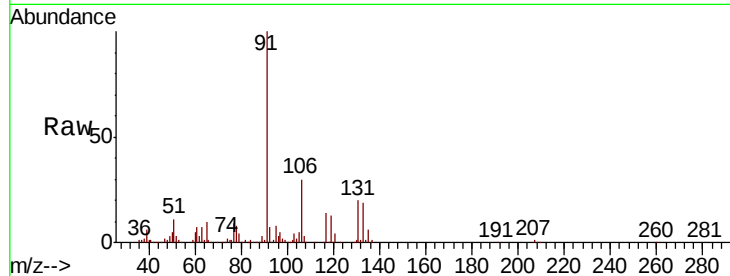
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.858 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	194.0
119	67.1	0.0	136.8

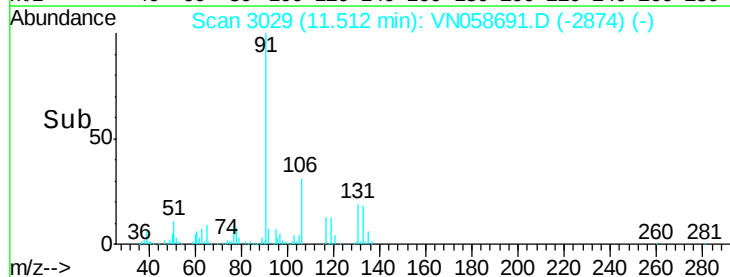
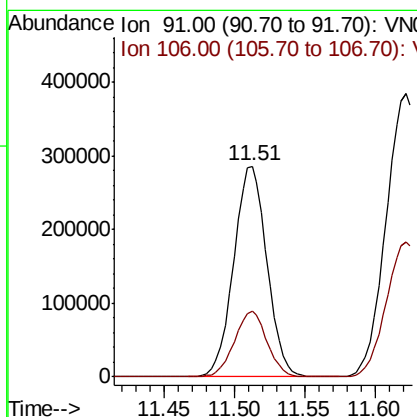
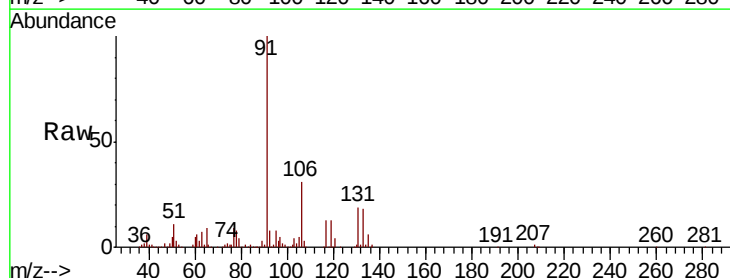
Manual Integrations
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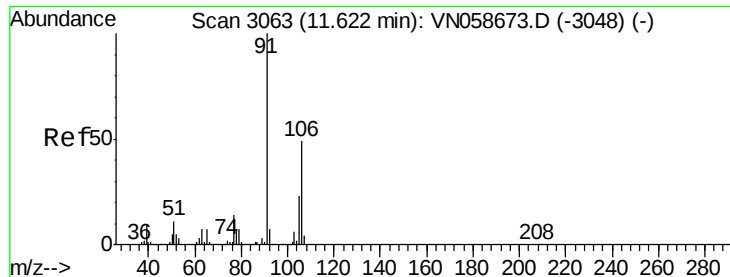
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#66
 Ethyl Benzene
 Concen: 21.140 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.2	36.4





#67

m/p-Xylenes

Concen: 41.938 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion:106 Resp: 350111

Ion Ratio Lower Upper

106 100

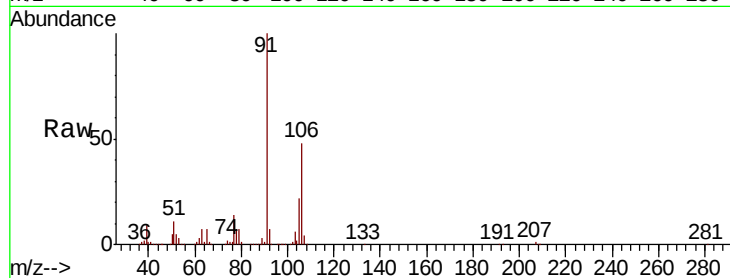
91 208.3 165.6 248.4

Manual Integrations

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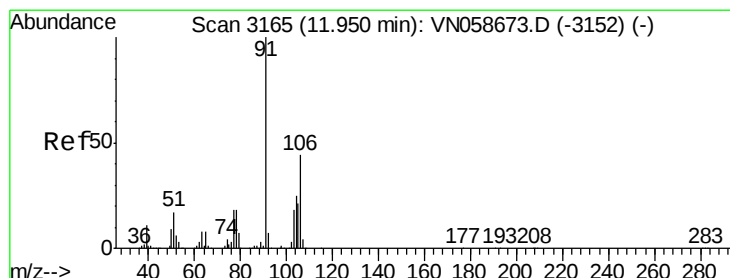
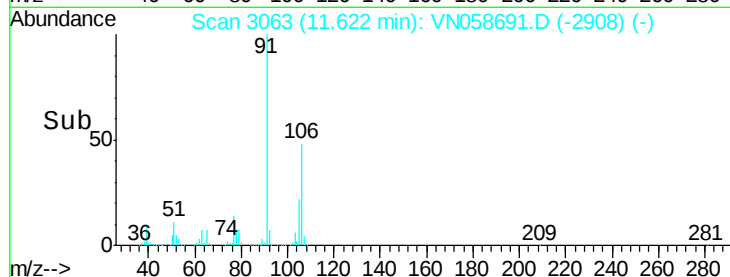
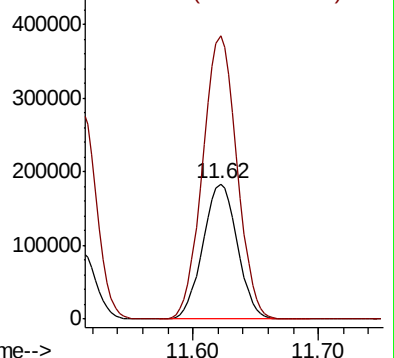
MMDadoda

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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: 20.861 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058691.D

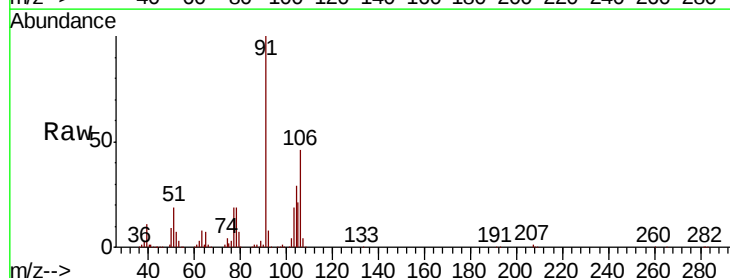
Acq: 11 Oct 2019 10:25

Tgt Ion:106 Resp: 168833

Ion Ratio Lower Upper

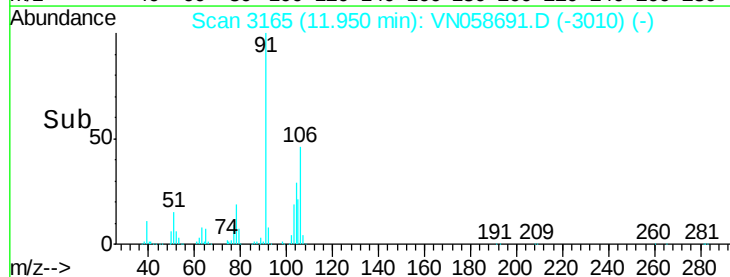
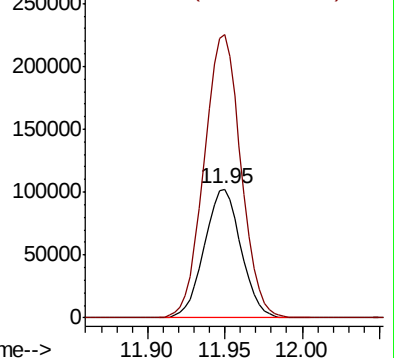
106 100

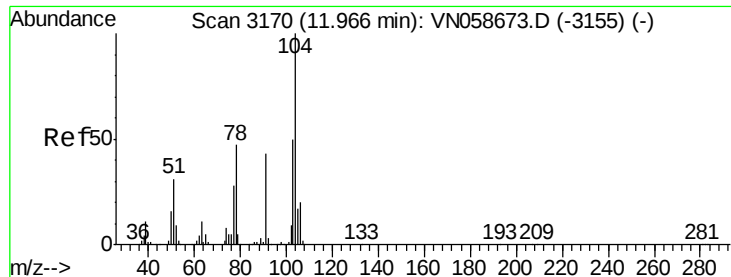
91 220.1 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





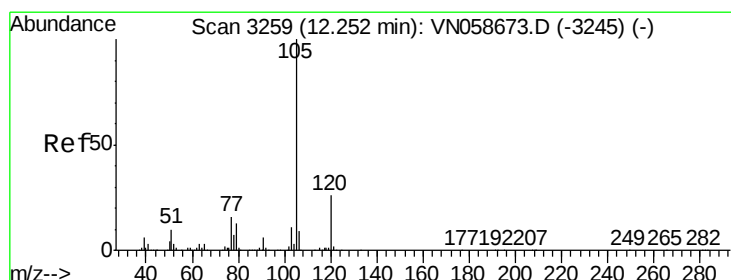
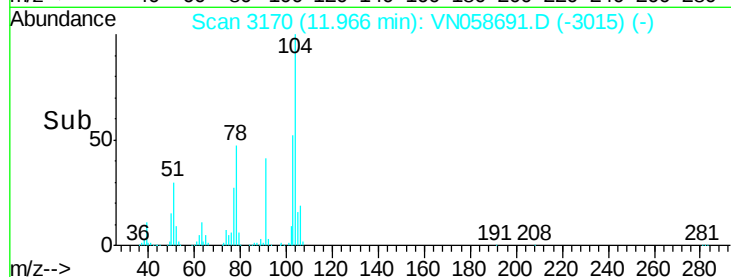
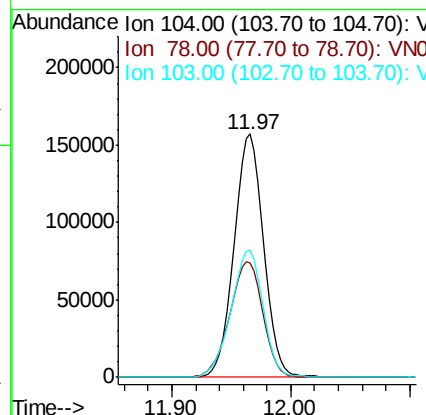
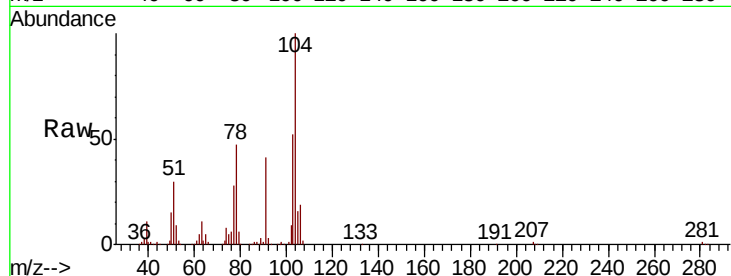
#69
Stvrene
Concen: 20.251 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.4	63.6
103	56.0	44.6	66.8

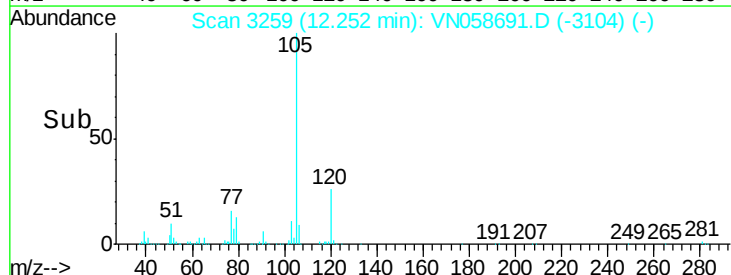
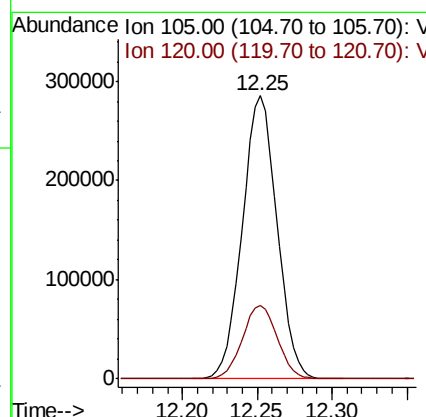
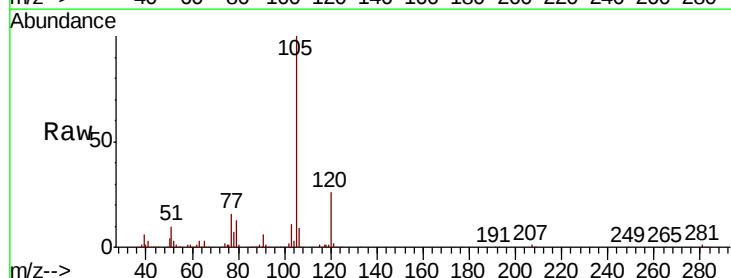
Manual Integrations
APPROVED

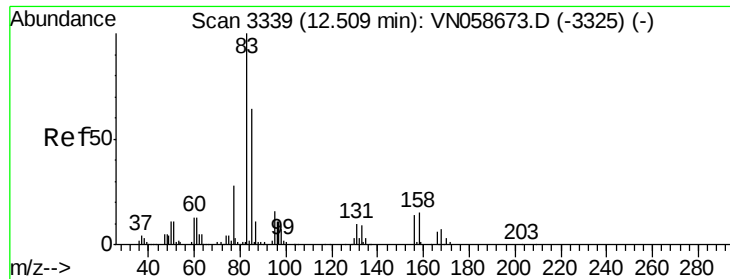
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#70
Isopropylbenzene
Concen: 21.055 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





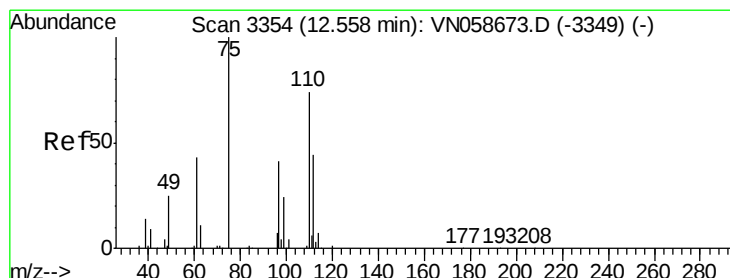
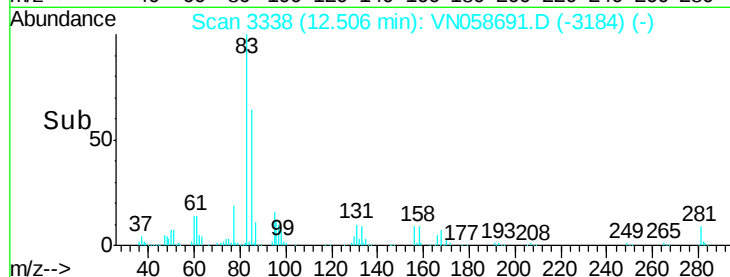
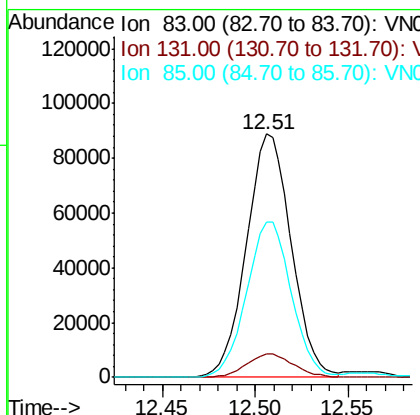
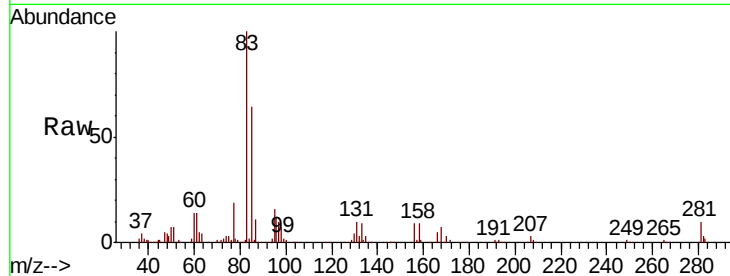
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.385 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149952		
131	10.0	4.9	14.7	
85	63.8	31.6	94.7	

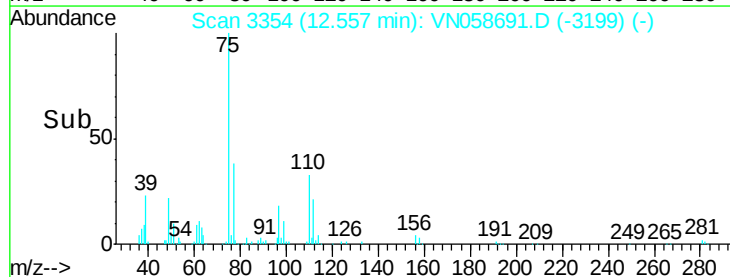
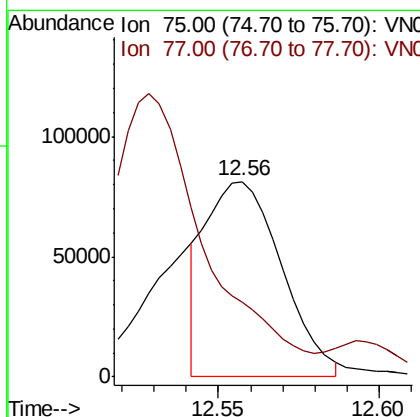
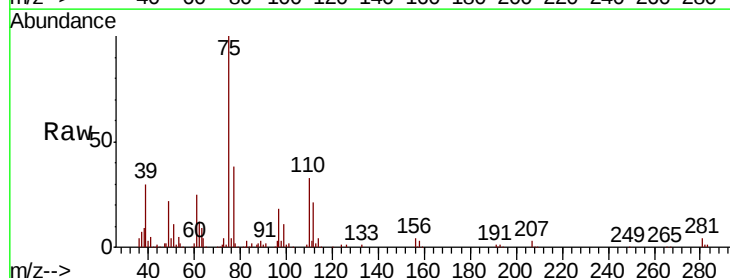
Manual Integrations
 APPROVED

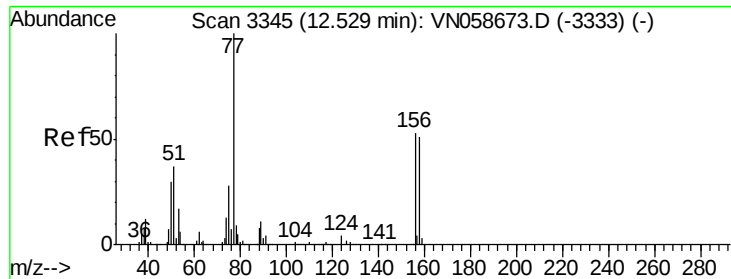
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#72
 1,2,3-Trichloropropane
 Concen: 20.167 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134420		
77	183.9	0.0	359.4	





#73

Bromobenzene

Concen: 20.300 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

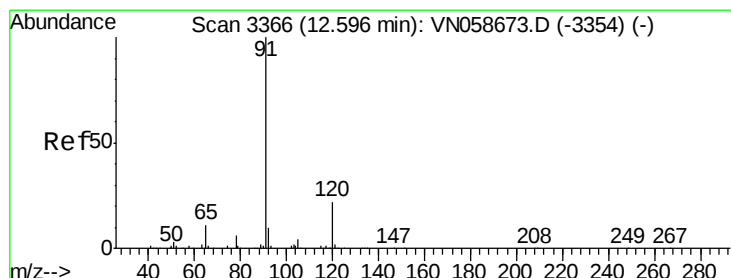
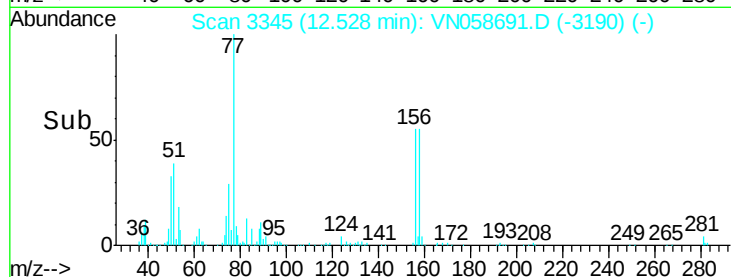
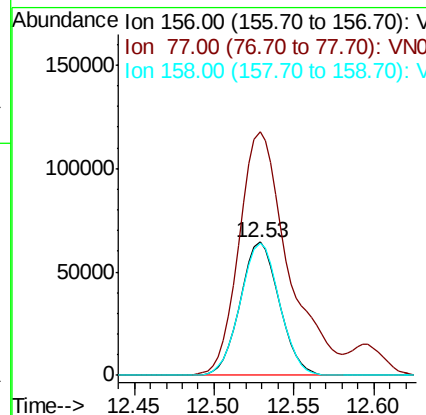
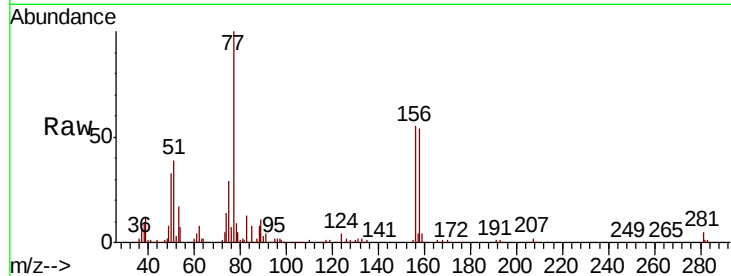
ClientSampleId :

VN1012WBSD01

Tot Ion:	156	Resp:	107741
Ion Ratio	Lower	Upper	
156	100		
77	229.4	0.0	456.0
158	99.6	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 21.358 ug/l

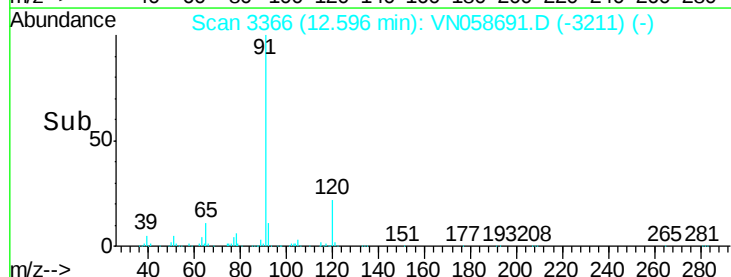
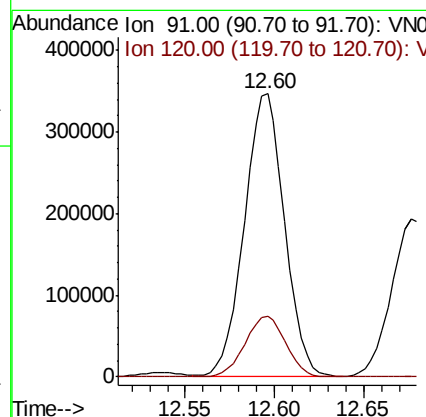
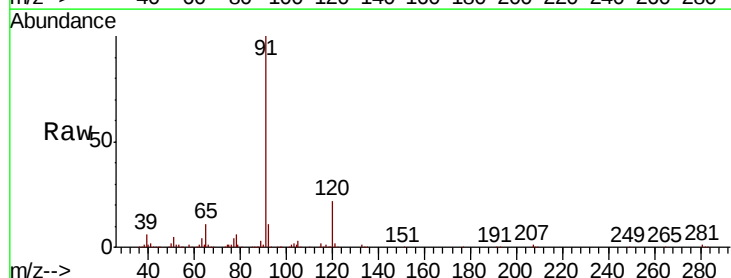
RT: 12.60 min Scan# 3366

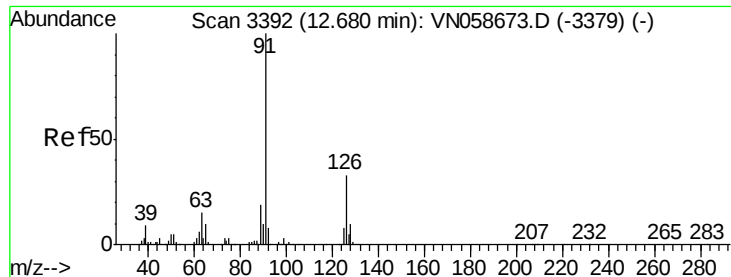
Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Tgt Ion:	91	Resp:	546259
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.6





#75

2-Chlorotoluene

Concen: 21.129 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058691.D

Acq: 11 Oct 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 91 Resp: 325132

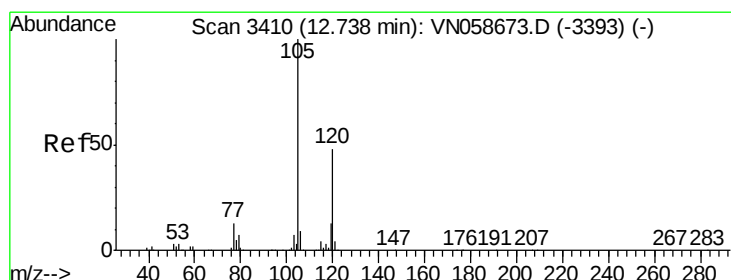
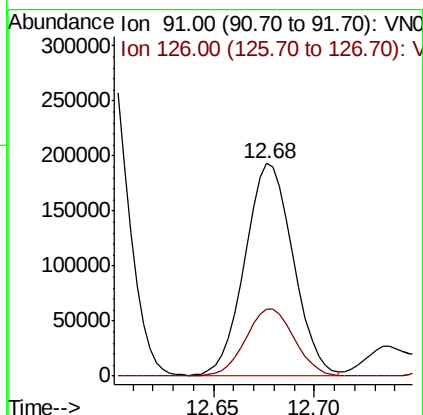
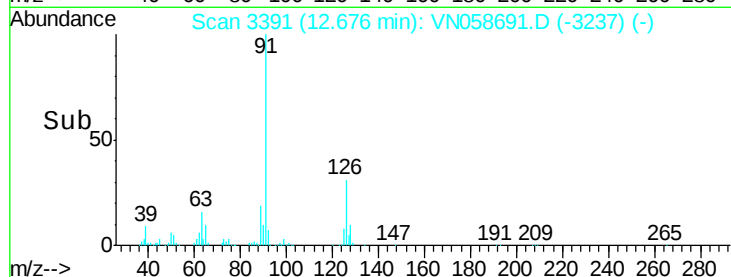
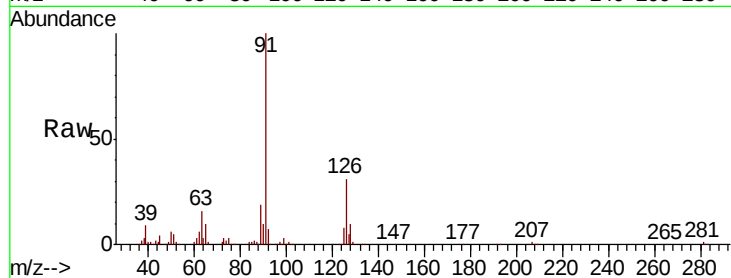
Ion Ratio Lower Upper

91 100

126 31.9 0.0 65.4

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#76

1,3,5-Trimethylbenzene

Concen: 21.151 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058691.D

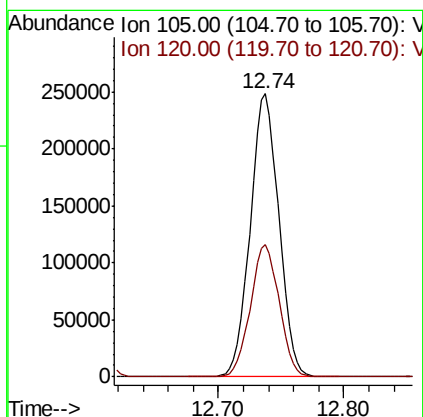
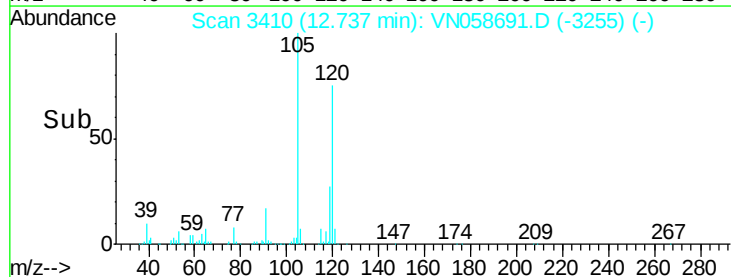
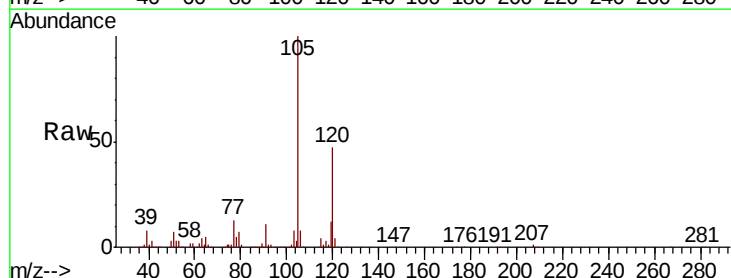
Acq: 11 Oct 2019 10:25

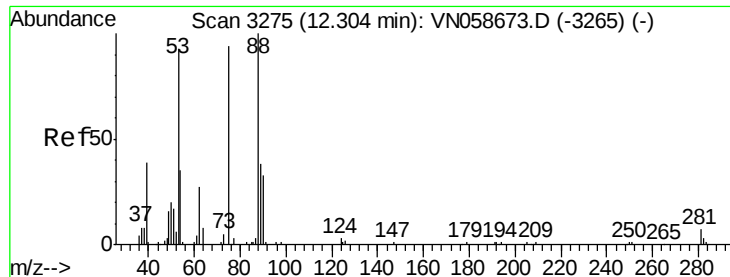
Tgt Ion: 105 Resp: 395839

Ion Ratio Lower Upper

105 100

120 46.9 0.0 94.0





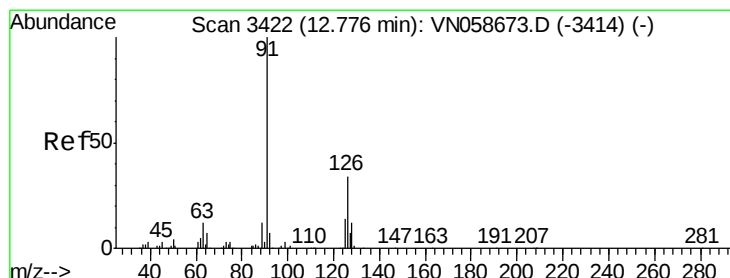
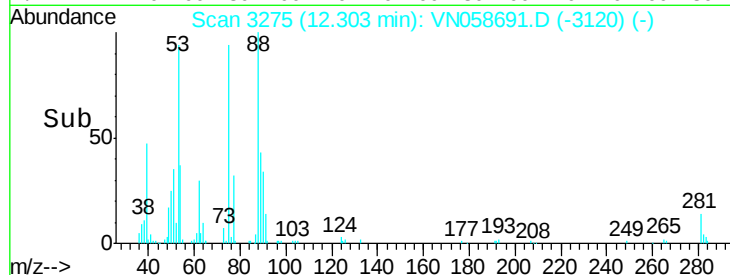
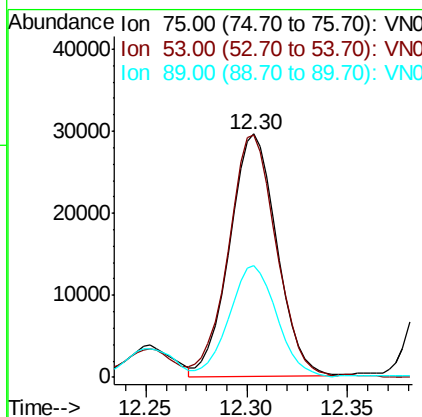
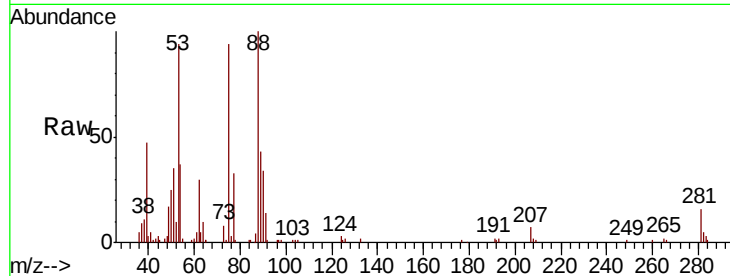
#77
t-1,4-Dichloro-2-butene
Concen: 19.093 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	50.0	150.0
89	45.7	20.7	62.1

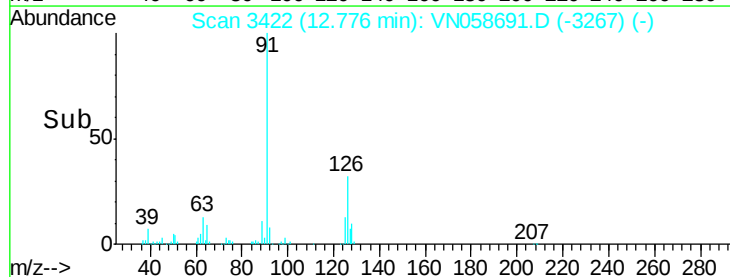
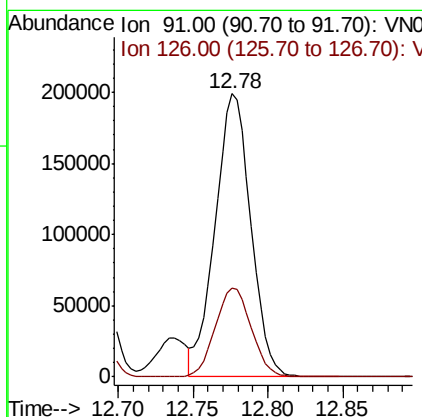
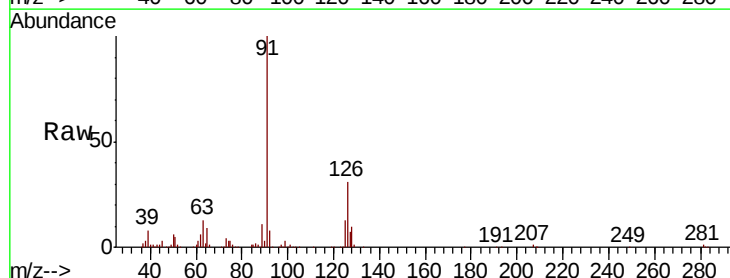
Manual Integrations
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#78
4-Chlorotoluene
Concen: 20.836 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.4





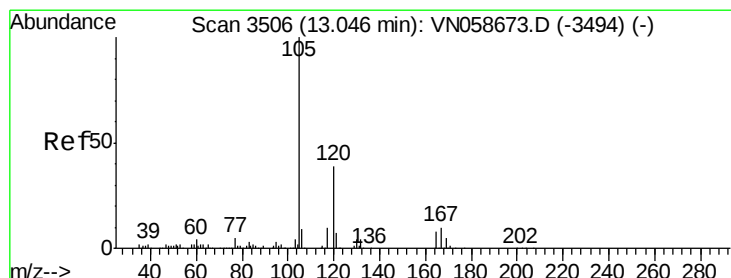
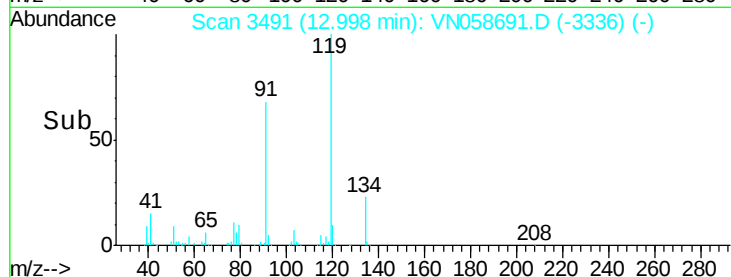
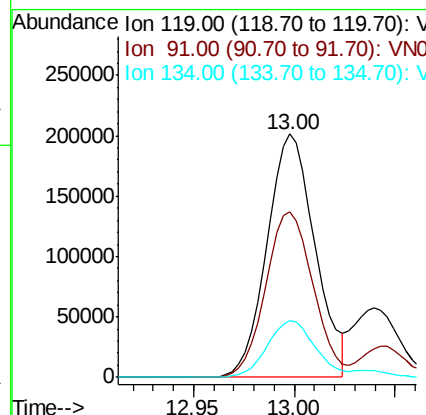
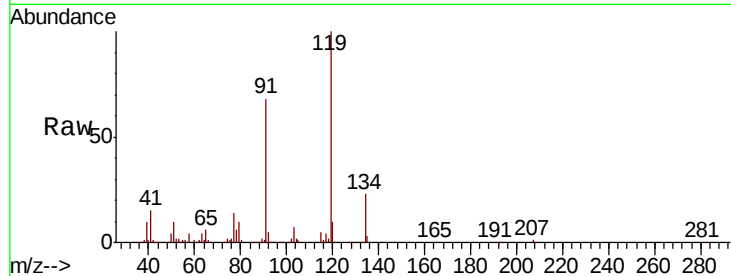
#79
tert-butylbenzene
Concen: 20.850 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	333361		
91	67.6	0.0	136.4	
134	23.3	0.0	47.2	

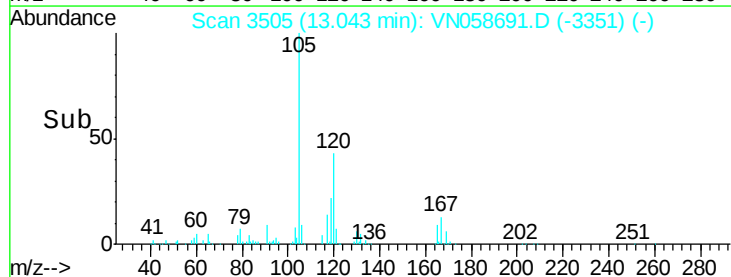
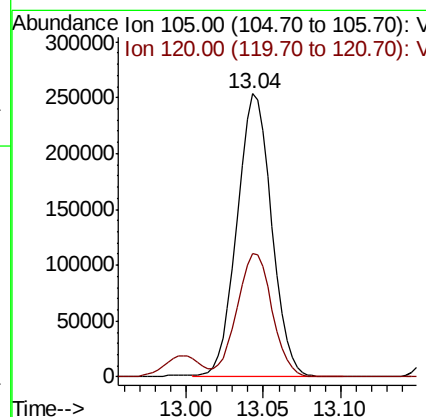
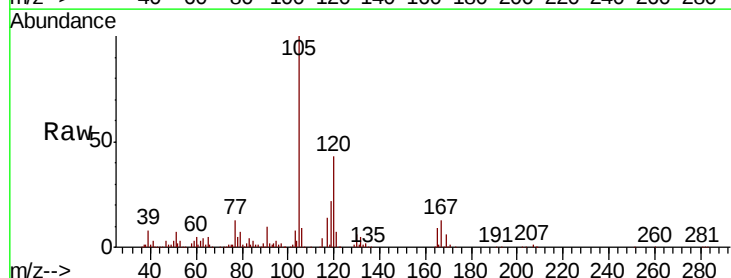
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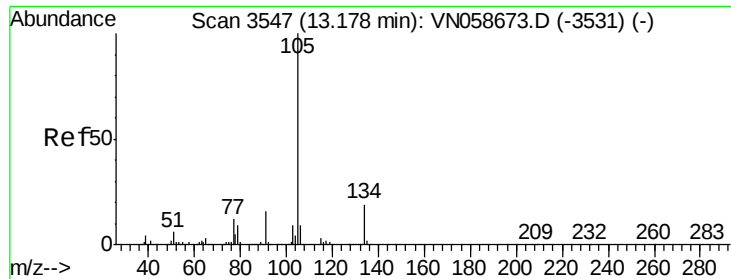
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 21.108 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	392524		
120	44.3	0.0	89.2	





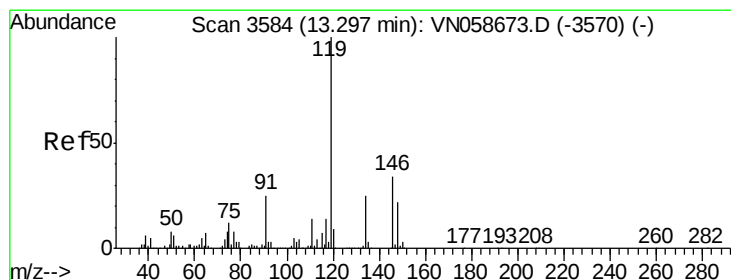
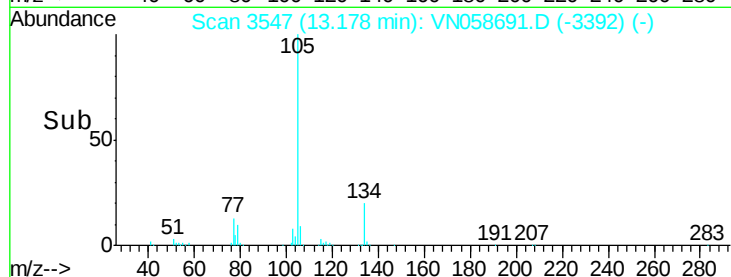
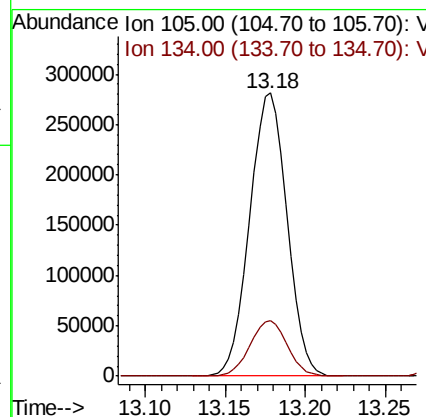
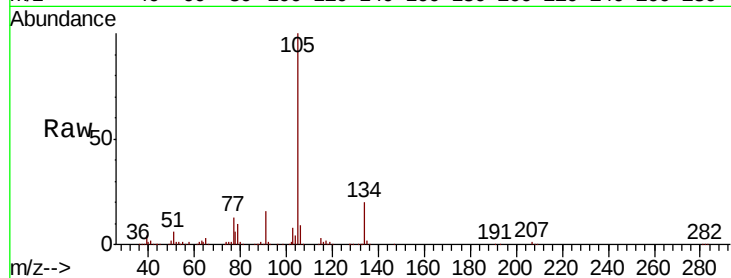
#81
 sec-Butylbenzene
 Concen: 20.773 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0

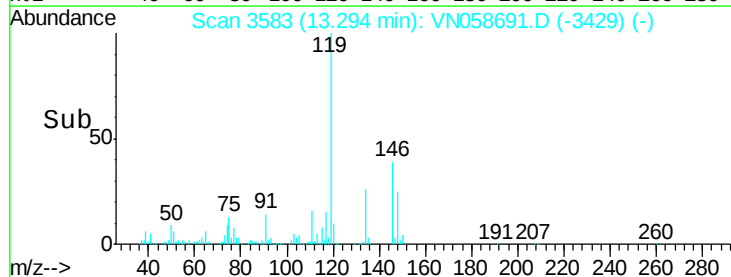
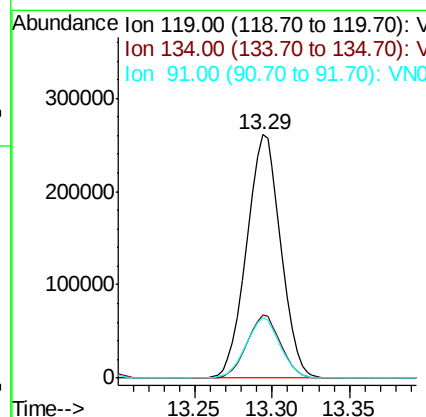
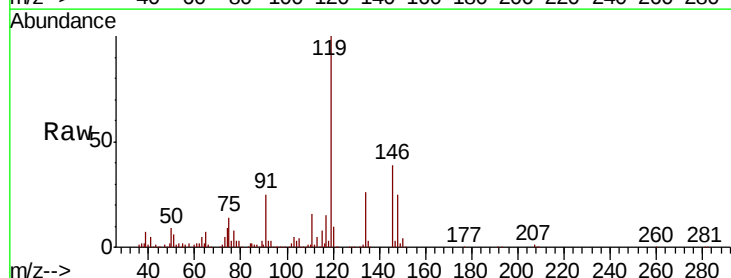
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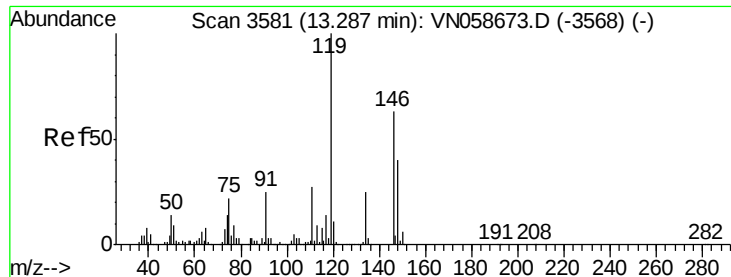
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#82
 p-Isopropyltoluene
 Concen: 20.756 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	24.8	0.0	49.4





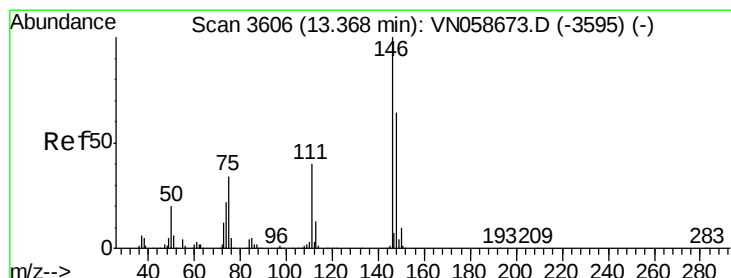
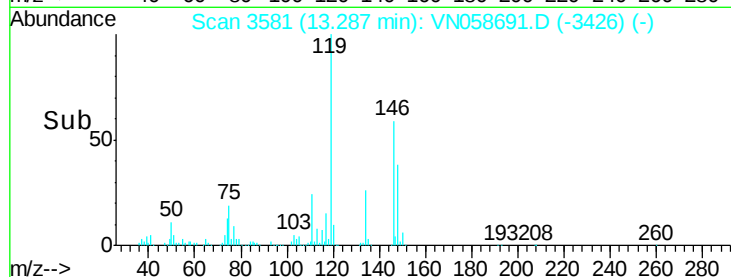
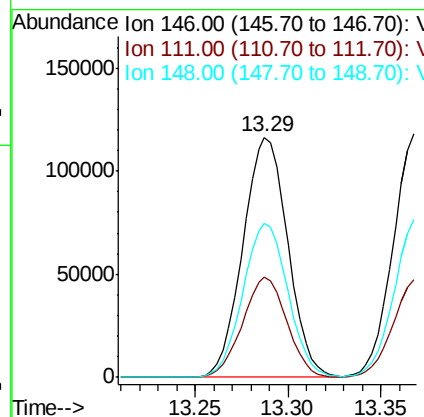
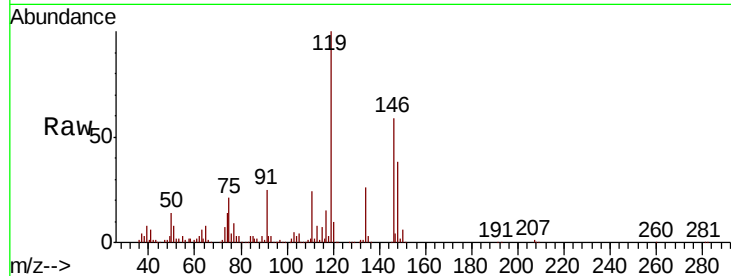
#83
 1,3-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.0	63.0
148	64.5	31.7	95.1

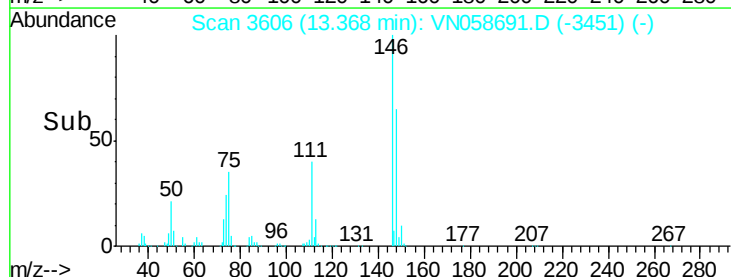
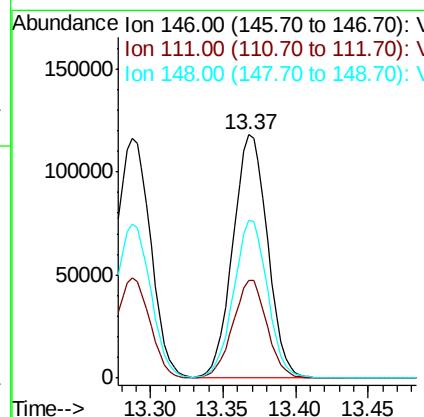
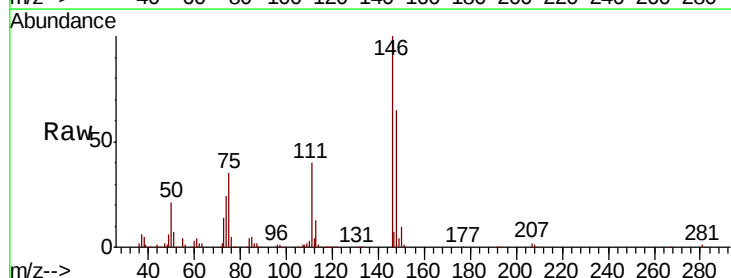
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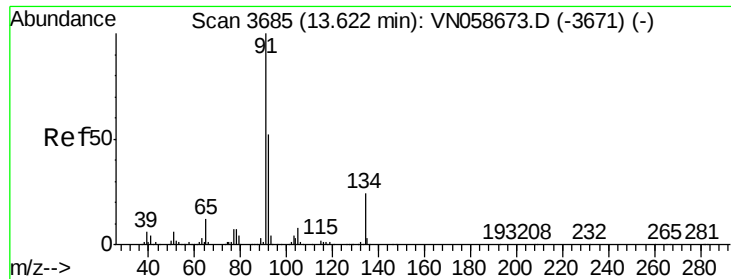
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#84
 1,4-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.4
148	63.5	31.6	94.8





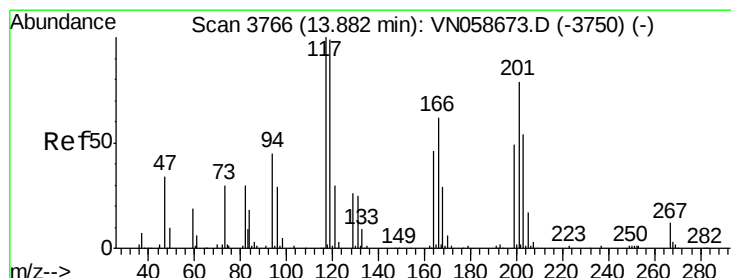
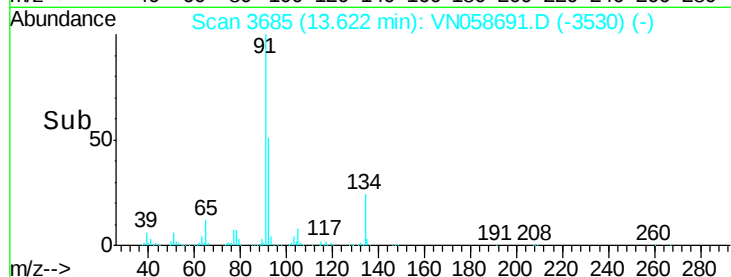
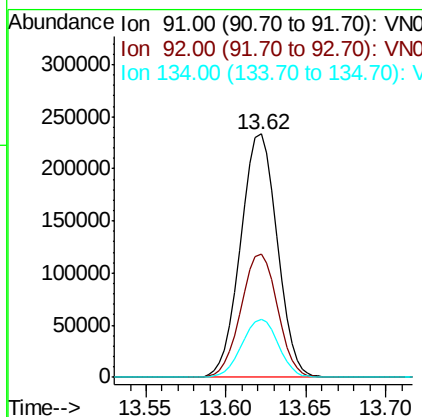
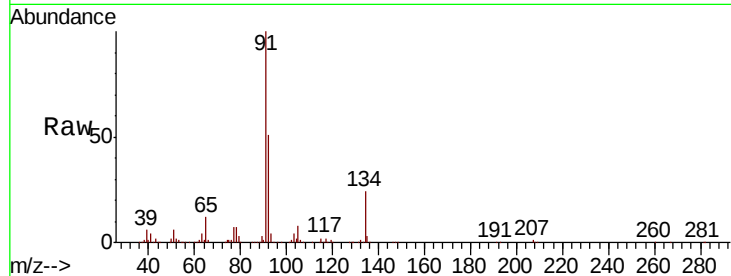
#85
n-Butylbenzene
Concen: 20.523 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	363056		
92	50.9	0.0	102.8	
134	23.9	0.0	48.6	

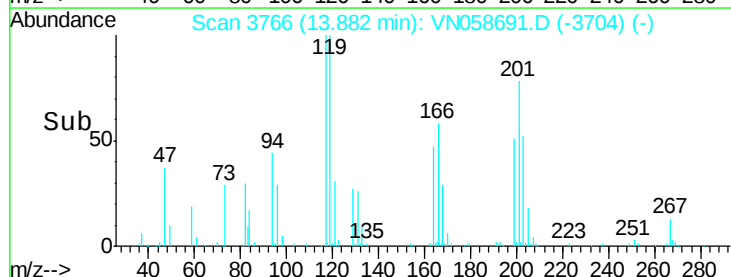
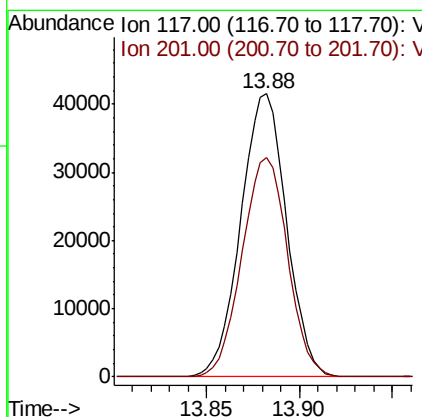
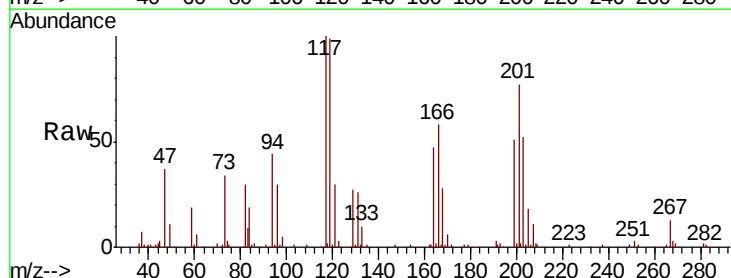
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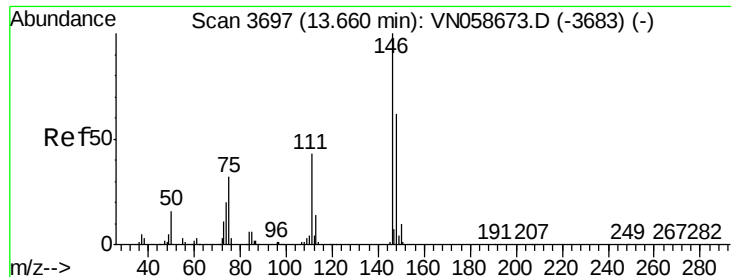
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#86
Hexachloroethane
Concen: 20.327 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71480		
201	77.2	38.7	116.1	





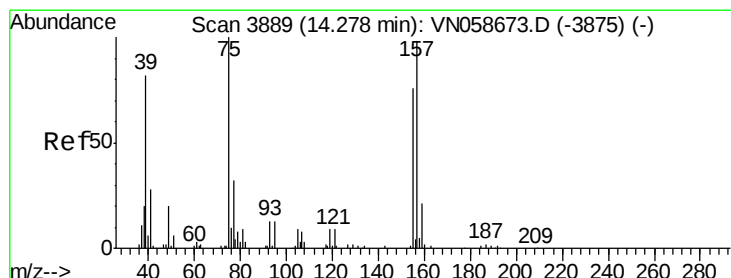
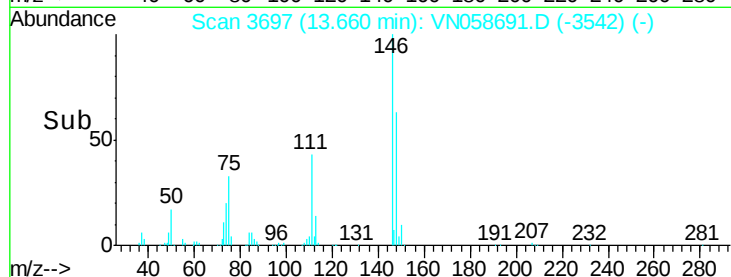
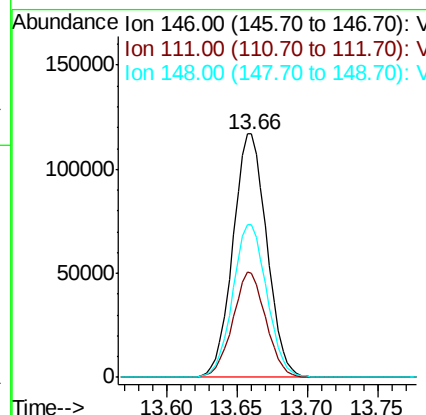
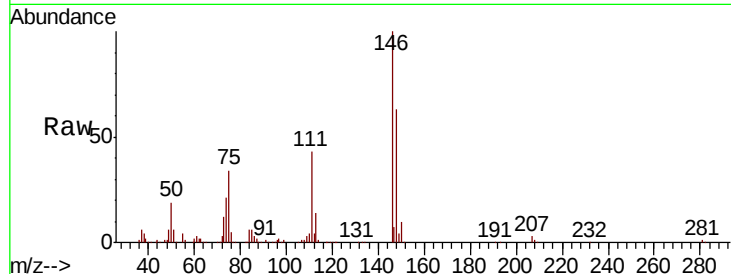
#87
 1,2-Dichlorobenzene
 Concen: 20.792 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.4
148	63.0	32.1	96.5

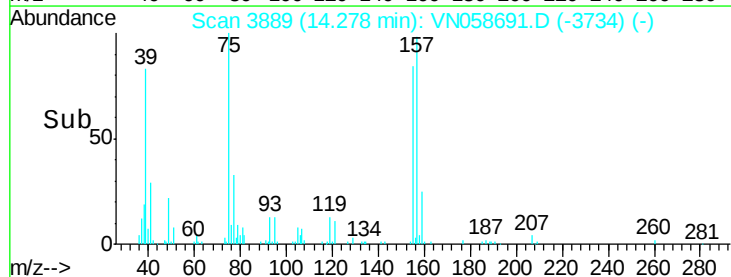
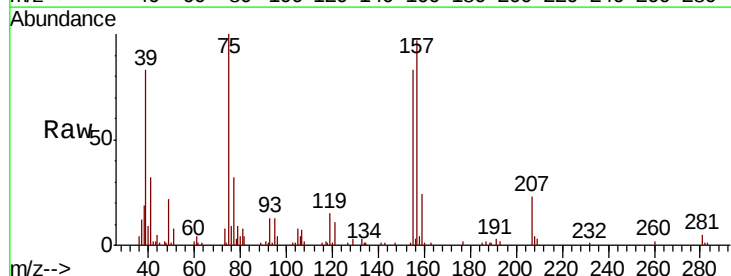
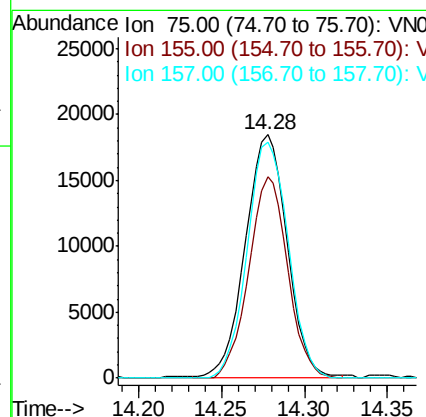
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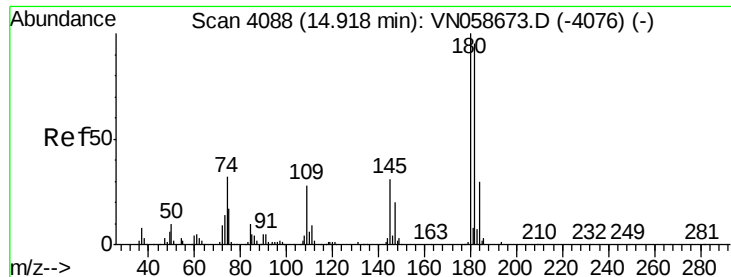
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.936 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	58.3	87.5
157	94.6	75.0	112.6





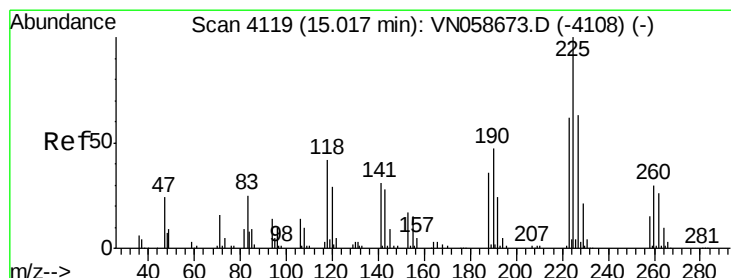
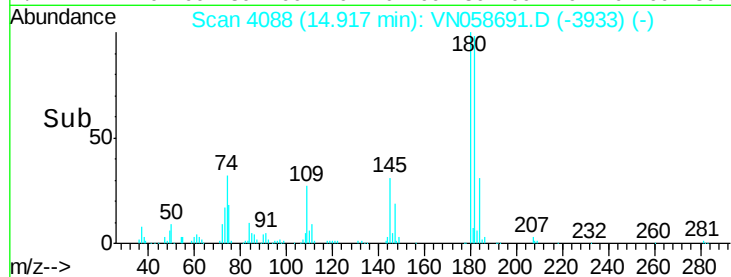
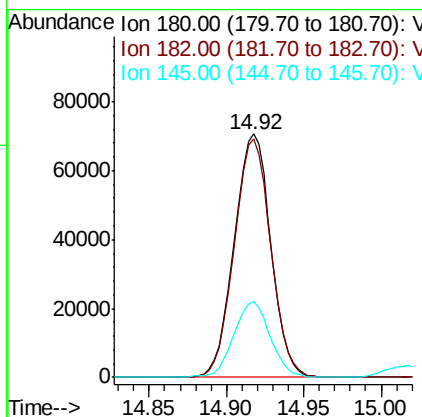
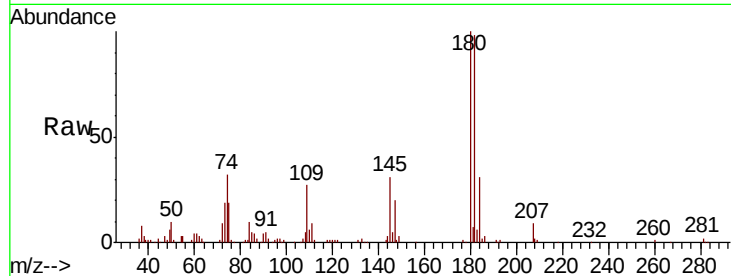
#89
 1,2,4-Trichlorobenzene
 Concen: 19.402 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116148		
182	97.4	75.3	112.9	
145	30.8	24.8	37.2	

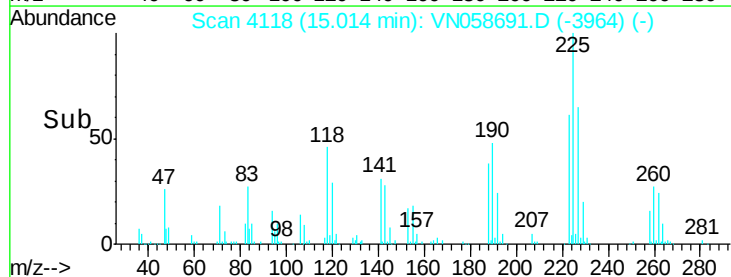
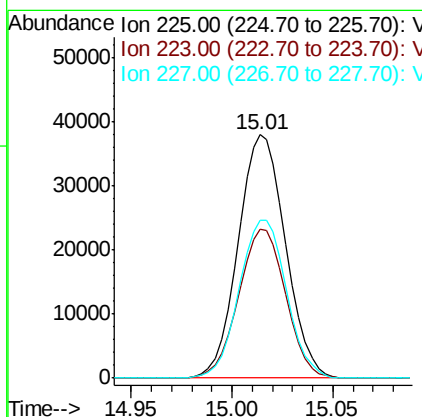
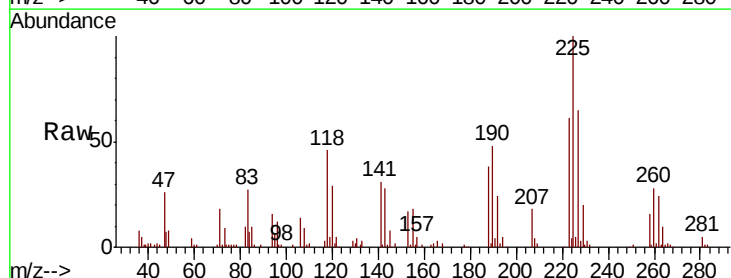
Manual Integrations
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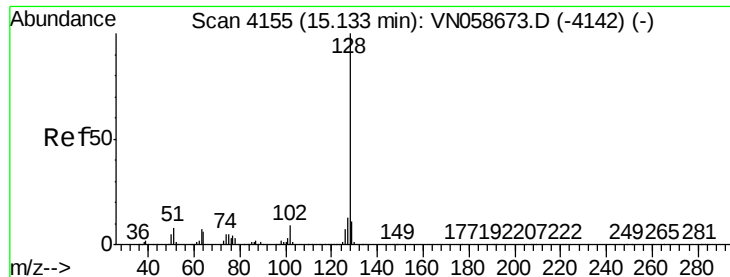
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#90
 Hexachlorobutadiene
 Concen: 20.108 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058691.D
 Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62160		
223	61.0	0.0	126.2	
227	65.0	0.0	127.0	





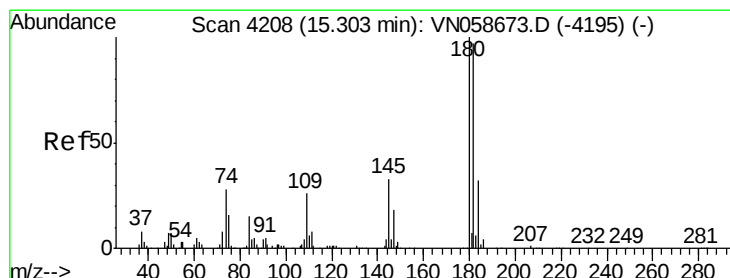
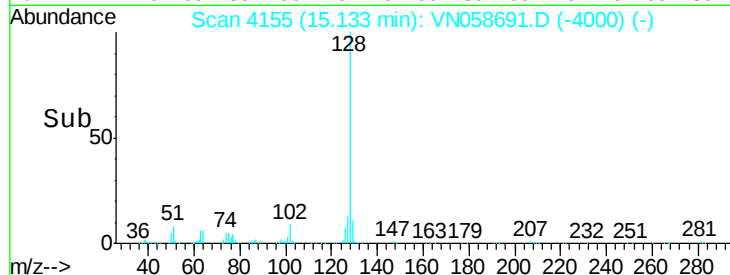
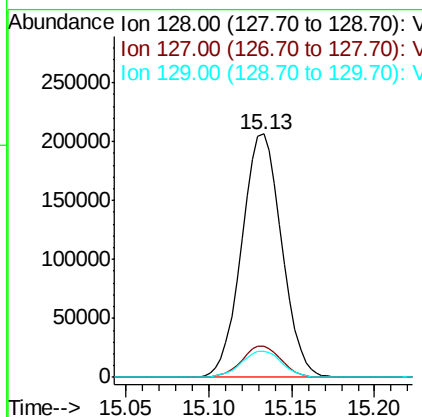
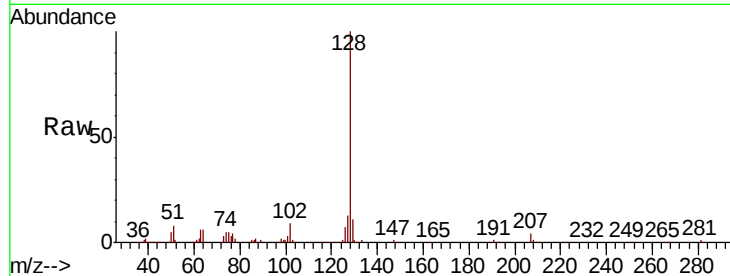
#91
Naphthalene
Concen: 19.645 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 19.724 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058691.D
Acq: 11 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	193.4
145	32.7	0.0	65.8

