

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058860.D
 Acq On : 18 Oct 2019 16:04
 Operator : JC/SP
 Sample : VN1018WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:05 AM

Quant Time: Oct 21 08:12:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	389732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	290793	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.57	113	206133	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.08	98	805589	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	287981	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	99973	20.574	ug/l	99
3) Chloromethane	2.04	50	118475	19.686	ug/l	99
4) Vinyl Chloride	2.17	62	117023	19.584	ug/l	96
5) Bromomethane	2.55	94	73836	19.732	ug/l	100
6) Chloroethane	2.69	64	75615	19.733	ug/l	99
7) Trichlorofluoromethane	3.00	101	144921	19.601	ug/l	99
8) Diethyl Ether	3.39	74	51131	20.012	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80300	19.591	ug/l	99
10) Methyl Iodide	3.93	142	104292	19.346	ug/l	99
11) Tert butyl alcohol	4.75	59	86239	90.917	ug/l	99
12) 1,1-Dichloroethene	3.72	96	77521	20.177	ug/l	99
13) Acrolein	3.59	56	66073	101.377	ug/l	97
14) Allyl chloride	4.30	41	151704	19.513	ug/l	99
15) Acrylonitrile	4.96	53	232445	97.421	ug/l	99
16) Acetone	3.79	43	216802	76.757	ug/l	100
17) Carbon Disulfide	4.03	76	239618	19.361	ug/l	100
18) Methyl Acetate	4.30	43	119949	18.679	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	271562	20.186	ug/l	97
20) Methylene Chloride	4.53	84	91964	19.068	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	85452	20.140	ug/l	93
22) Diisopropyl ether	5.93	45	308156	20.265	ug/l	97
23) Vinyl Acetate	5.87	43	1276856	104.511	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173328	19.657	ug/l	98
25) 2-Butanone	6.81	43	324054	88.382	ug/l	99
26) 2,2-Dichloropropane	6.81	77	141194	18.513	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	97666	20.150	ug/l	99
28) Bromochloromethane	7.18	49	58151	19.802	ug/l	98
29) Tetrahydrofuran	7.19	42	217308	96.885	ug/l	100
30) Chloroform	7.36	83	171197	19.356	ug/l	99
31) Cyclohexane	7.63	56	157752	19.204	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	147517	19.787	ug/l	98
36) 1,1-Dichloropropene	7.78	75	126303	19.423	ug/l	100
37) Ethyl Acetate	6.91	43	136175	19.218	ug/l	98
38) Carbon Tetrachloride	7.75	117	129814	19.377	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141332	19.356	ug/l	97
40) Benzene	8.02	78	373828	19.577	ug/l	100
41) Methacrylonitrile	7.16	41	65165m	20.649	ug/l	
42) 1,2-Dichloroethane	8.11	62	145854	19.828	ug/l	99
43) Isopropyl Acetate	8.15	43	220018	19.361	ug/l	99
44) Trichloroethene	8.82	130	91713	19.716	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103261	19.720	ug/l	98
46) Dibromomethane	9.20	93	66147	19.982	ug/l	96
47) Bromodichloromethane	9.39	83	133406	19.553	ug/l	99
48) Methyl methacrylate	9.19	41	98941	19.190	ug/l	97
49) 1,4-Dioxane	9.19	88	30933	365.481	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	685957	103.345	ug/l	99
52) Toluene	10.15	92	231973	20.485	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	146240	19.362	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	156534	19.399	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89615	19.210	ug/l	98
56) Ethyl methacrylate	10.43	69	135202	18.627	ug/l	98
57) 1,3-Dichloropropane	10.70	76	159974	19.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	297444	93.517	ug/l	99
59) 2-Hexanone	10.75	43	494336	96.379	ug/l	100
60) Dibromochloromethane	10.90	129	98675	19.652	ug/l	98
61) 1,2-Dibromoethane	11.00	107	92229	19.319	ug/l	99
64) Tetrachloroethene	10.63	164	80914	19.398	ug/l	98
65) Chlorobenzene	11.43	112	240639	19.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91508	19.999	ug/l	98
67) Ethyl Benzene	11.51	91	432830	20.348	ug/l	99
68) m/p-Xylenes	11.62	106	323104	40.959	ug/l	100
69) o-Xylene	11.95	106	150590	20.016	ug/l	100
70) Styrene	11.97	104	248001	18.960	ug/l	100
71) Bromoform	12.13	173	65154	18.362	ug/l #	100
73) Isopropylbenzene	12.25	105	416479	20.561	ug/l	99
74) N-amyl acetate	12.07	43	183715	20.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	142603	20.022	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	119447m	18.595	ug/l	
77) Bromobenzene	12.53	156	101120	20.254	ug/l	97
78) n-propylbenzene	12.59	91	495683	20.703	ug/l	99
79) 2-Chlorotoluene	12.68	91	291556	19.896	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	355088	20.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44157	17.908	ug/l	94
82) 4-Chlorotoluene	12.78	91	300582	20.072	ug/l	99
83) tert-Butylbenzene	13.00	119	297168	20.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	356206	21.220	ug/l	99
85) sec-Butylbenzene	13.17	105	402864	20.763	ug/l	98
86) p-Isopropyltoluene	13.29	119	355193	20.747	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	178320	19.975	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173852	19.451	ug/l	98
89) n-Butylbenzene	13.62	91	314087	19.972	ug/l	99
90) Hexachloroethane	13.88	117	66869	19.276	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	176880	20.159	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29619	18.386	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	94822	18.822	ug/l	99
94) Hexachlorobutadiene	15.01	225	54178	19.051	ug/l	98
95) Naphthalene	15.13	128	257369	17.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92803	18.826	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

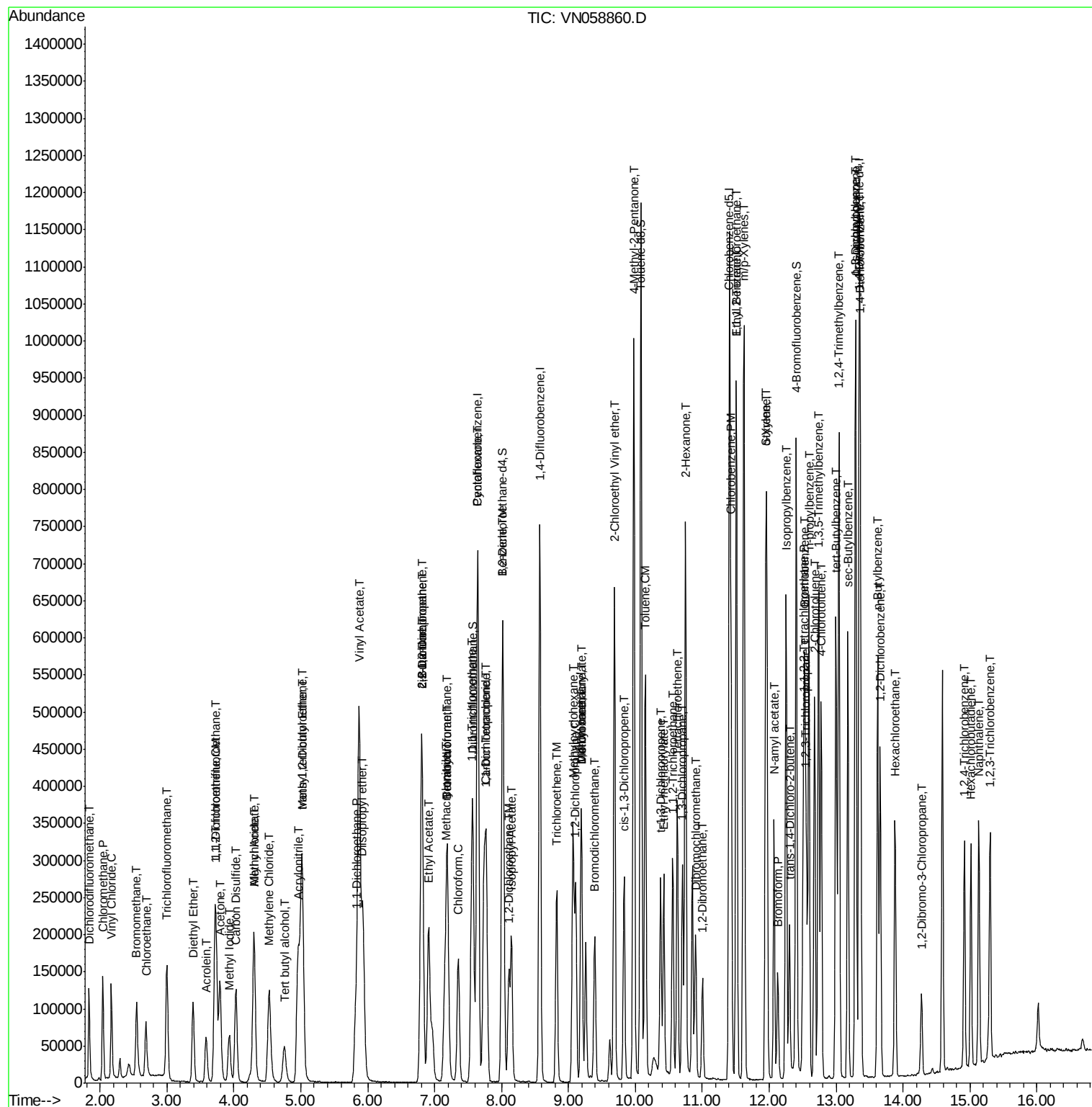
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Data File : VN058860.D
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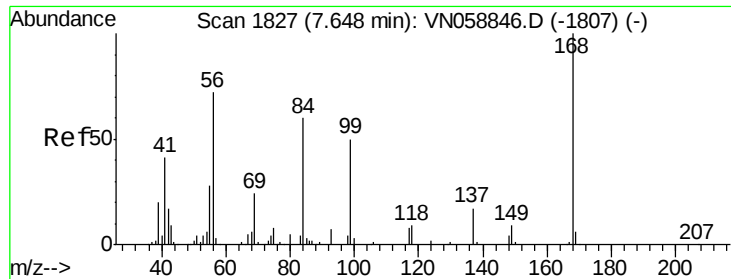
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion:168 Resp: 389732

Ion Ratio Lower Upper

168 100

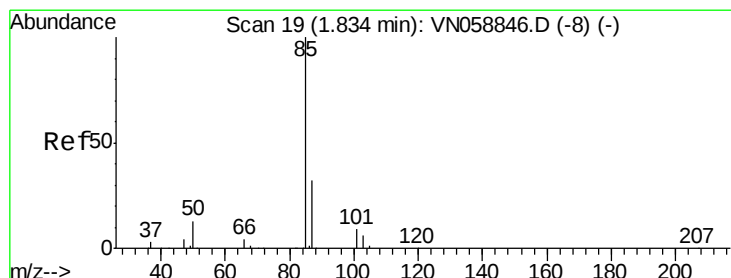
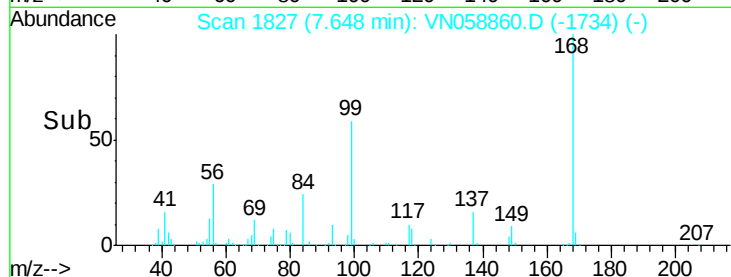
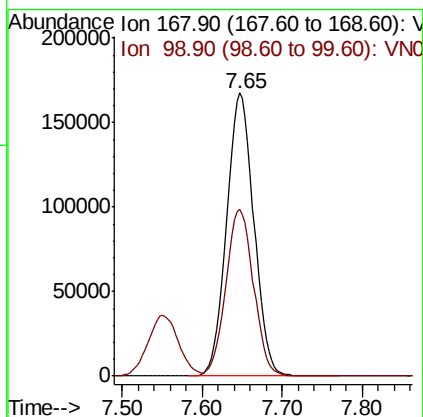
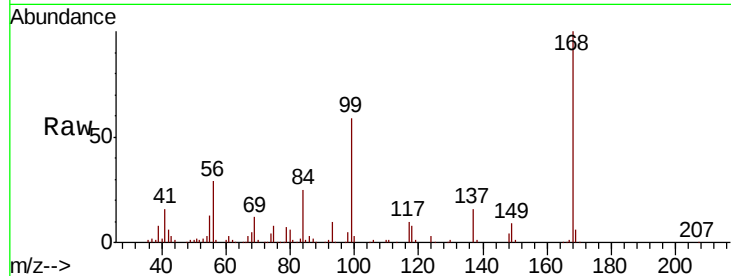
99 58.8 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.574 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058860.D

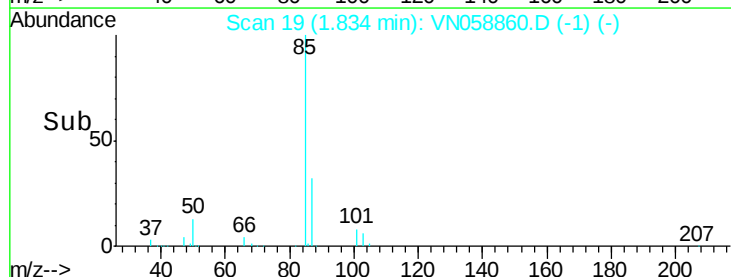
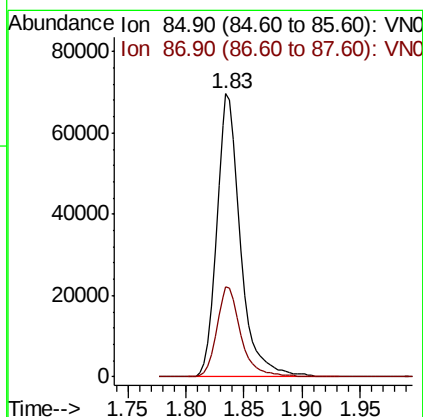
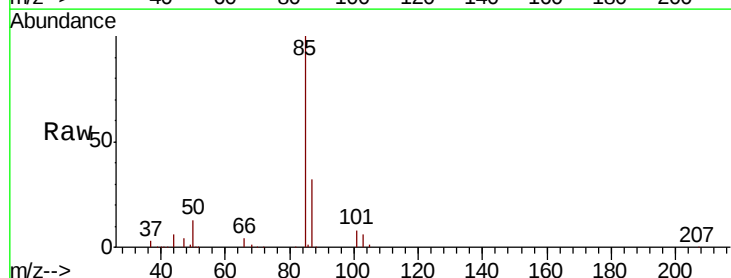
Acq: 18 Oct 2019 16:04

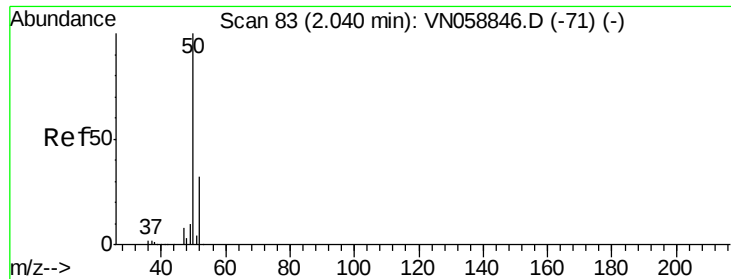
Tgt Ion: 85 Resp: 99973

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5





#3

Chloromethane

Concen: 19.686 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 50 Resp: 118475

Ion Ratio Lower Upper

50 100

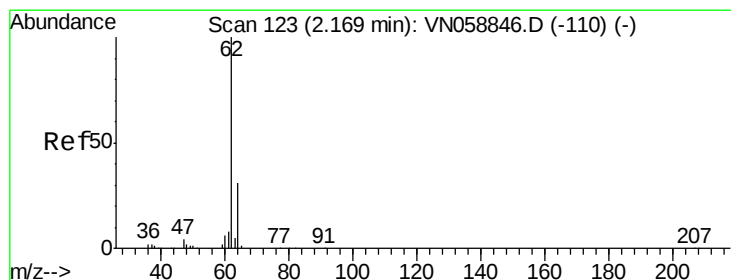
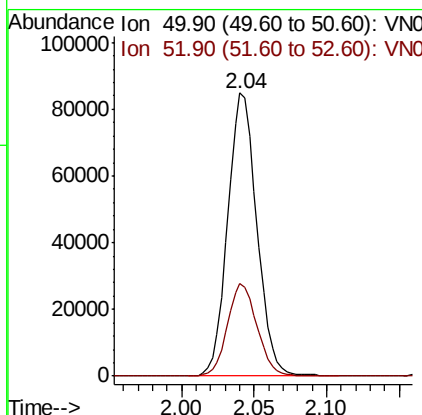
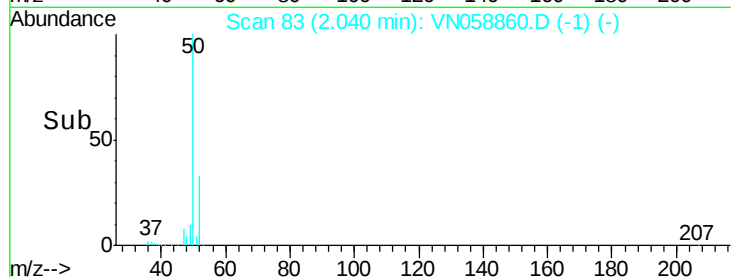
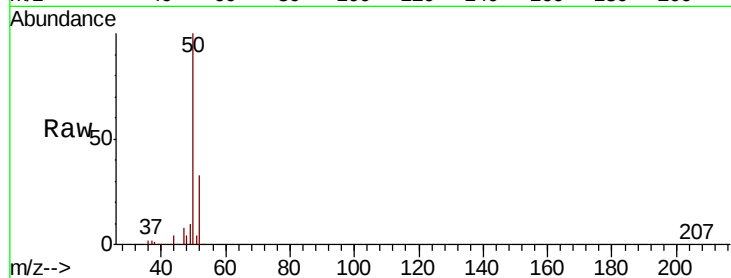
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.584 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058860.D

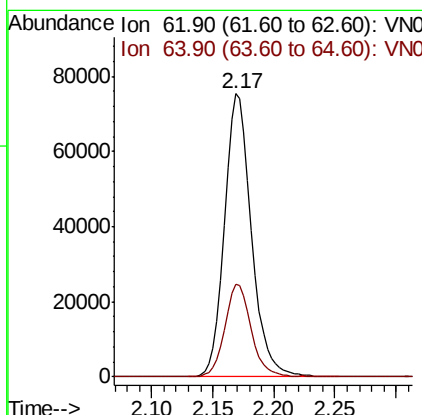
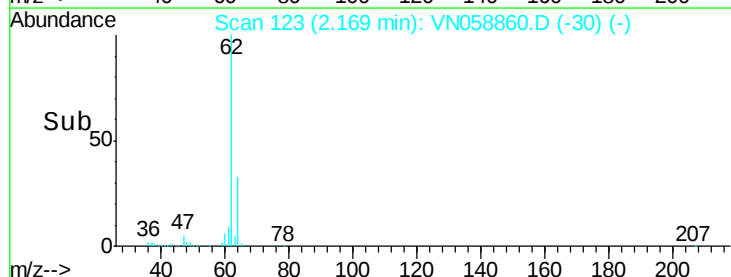
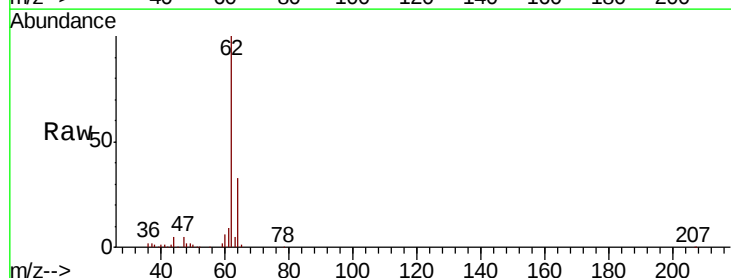
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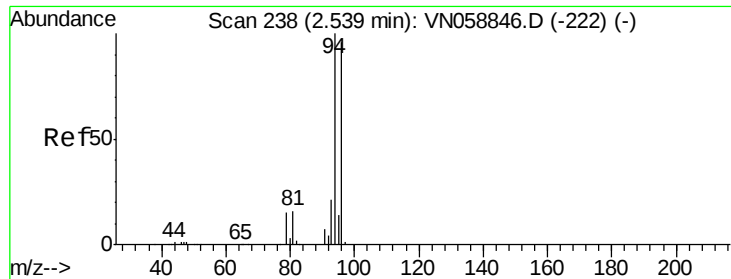
Tgt Ion: 62 Resp: 117023

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8





#5

Bromomethane

Concen: 19.732 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

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ClientSampleId :

VN1018WBSD01

Tot Ion: 94 Resp: 73836

Ion Ratio Lower Upper

94 100

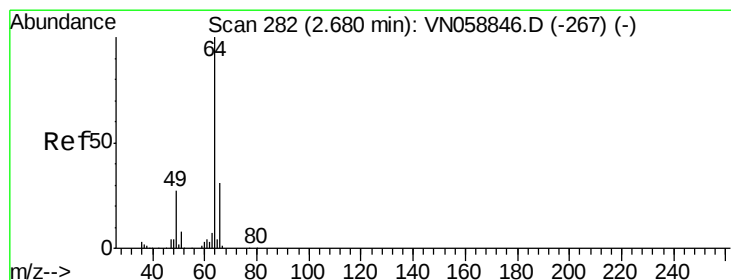
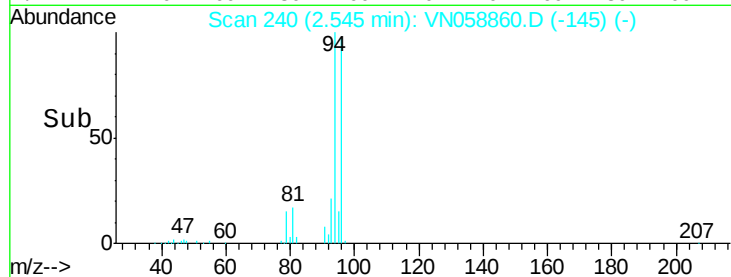
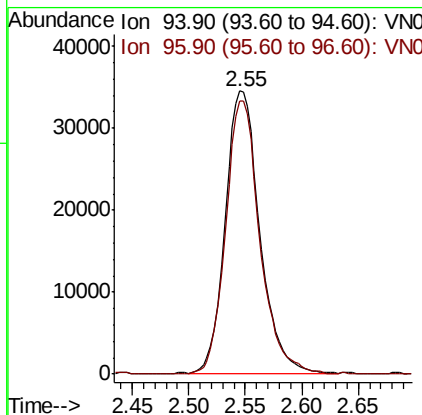
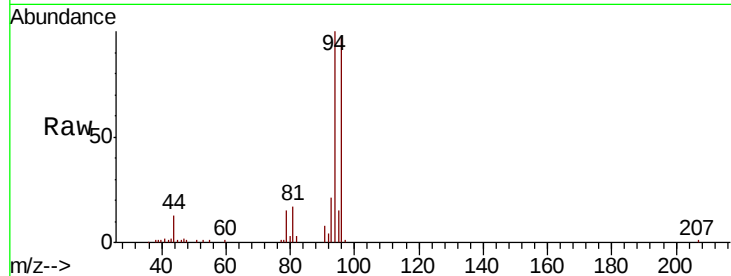
96 96.6 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 19.733 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058860.D

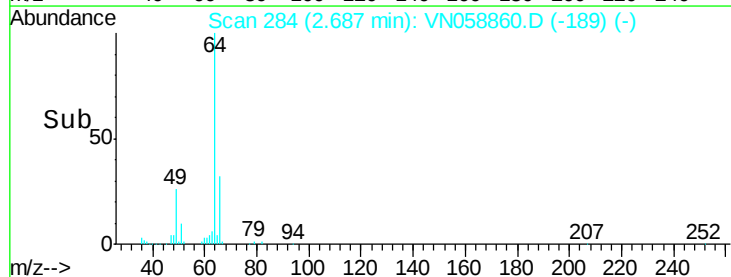
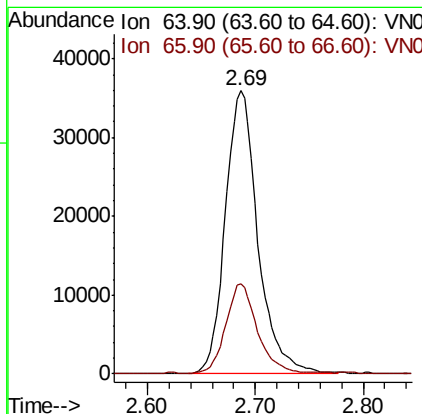
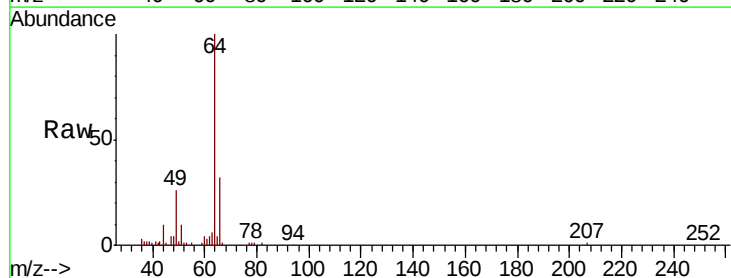
Acq: 18 Oct 2019 16:04

Tgt Ion: 64 Resp: 75615

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

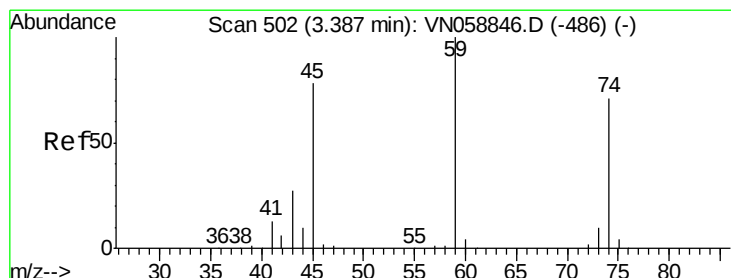
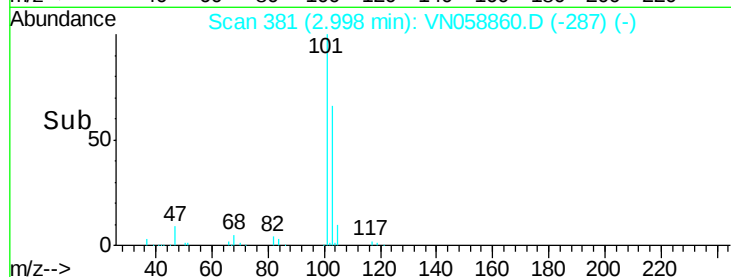
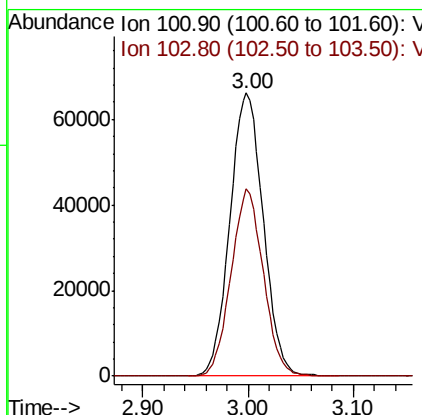
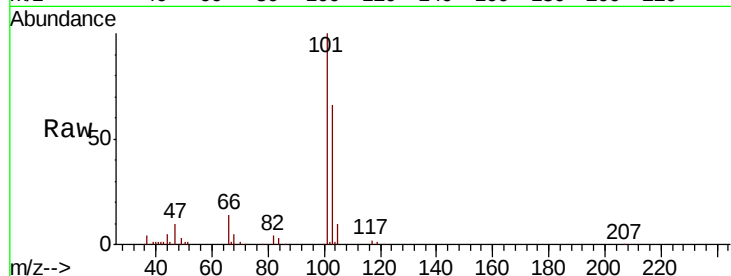
Trichlorofluoromethane
 Concen: 19.601 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
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 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

Manual Integrations
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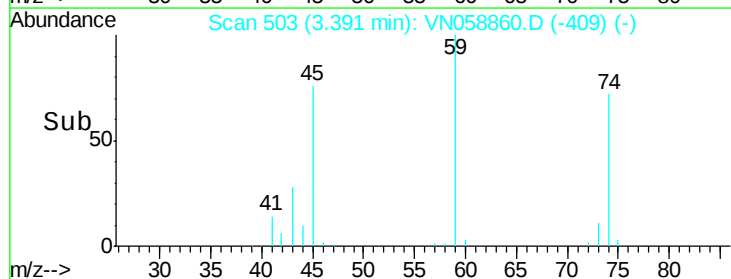
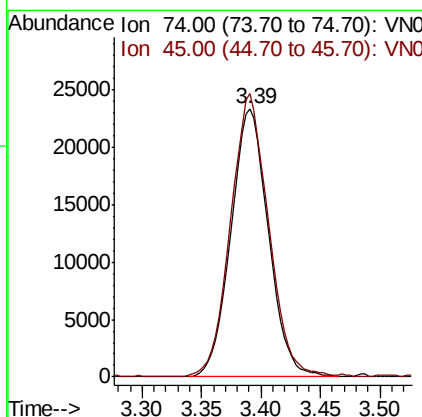
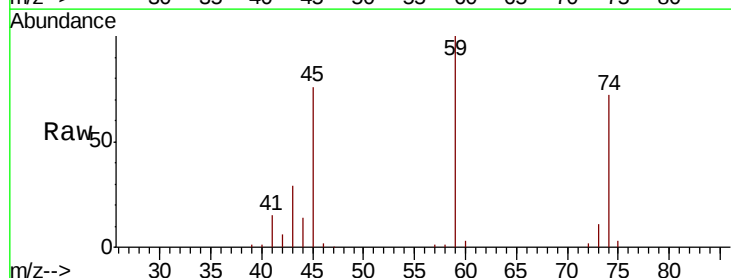
MMDadoda
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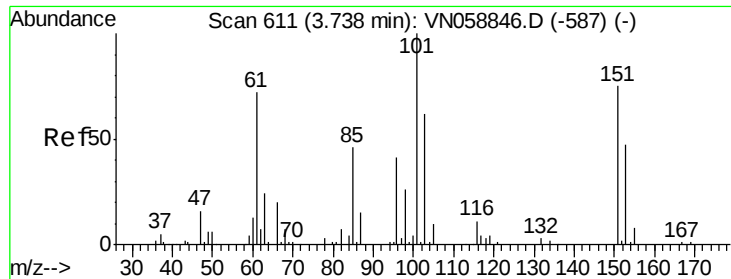


#8

Diethyl Ether
 Concen: 20.012 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	54.9	164.5





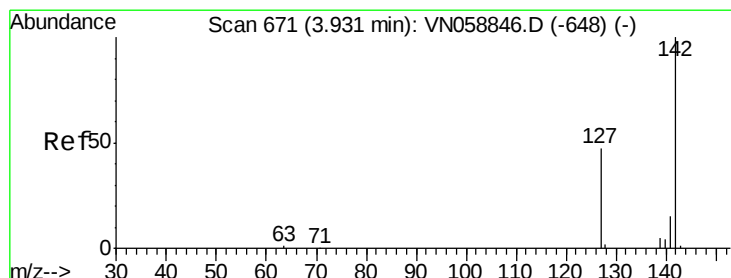
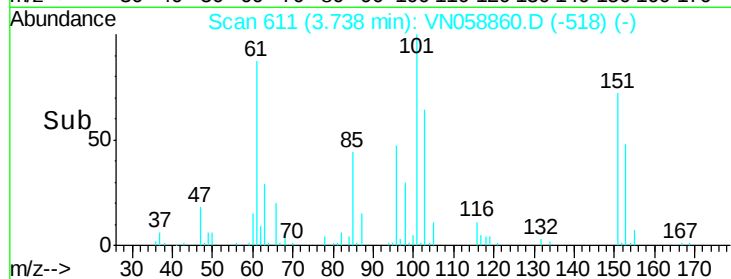
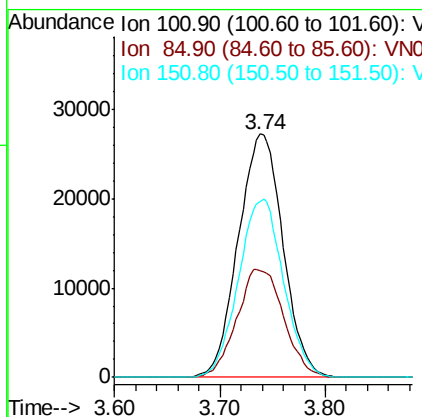
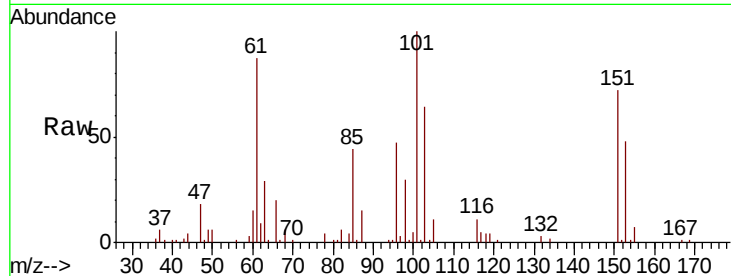
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.591 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.2	55.8
151	73.8	59.9	89.9

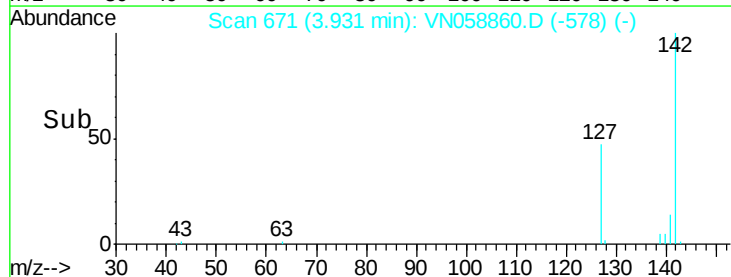
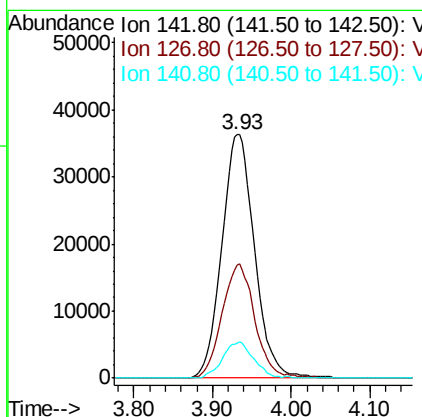
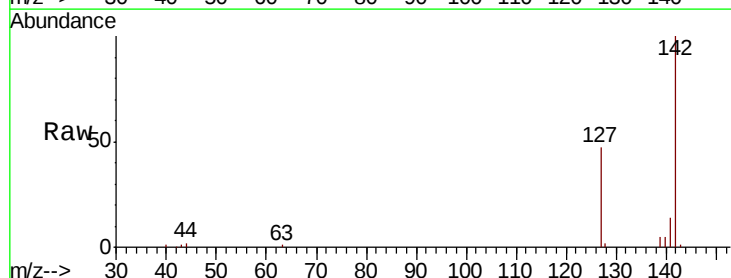
Manual Integrations
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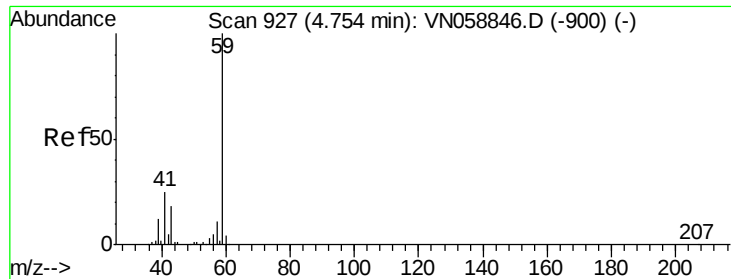
MMDadoda
 10/21/2019 10:43:05 AM



#10
 Methyl Iodide
 Concen: 19.346 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.8	36.6	54.8
141	14.0	11.4	17.2





#11

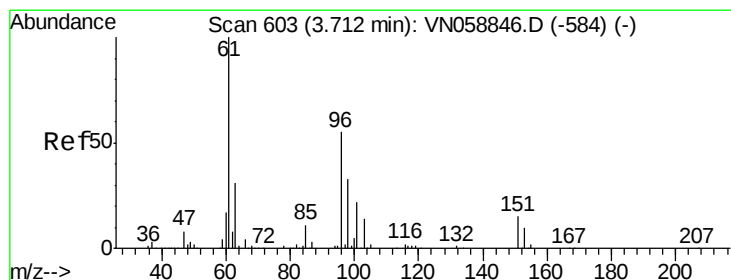
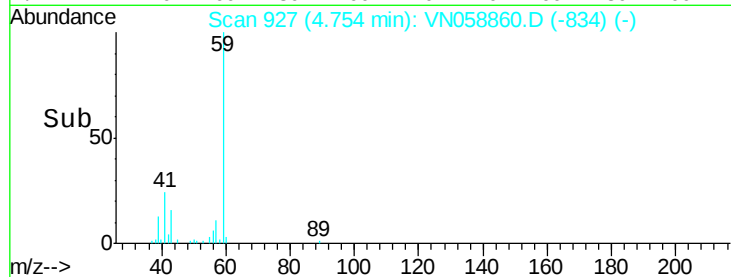
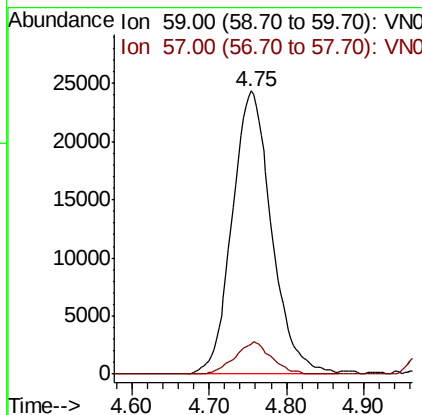
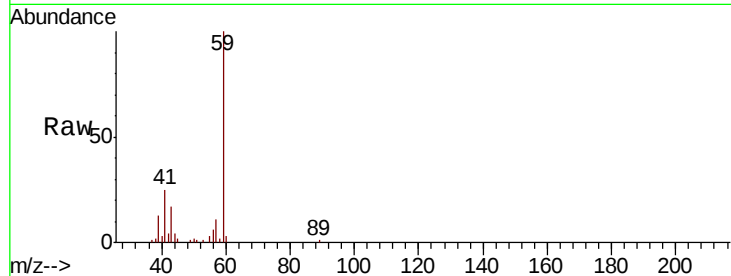
Tert butyl alcohol
Concen: 90.917 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

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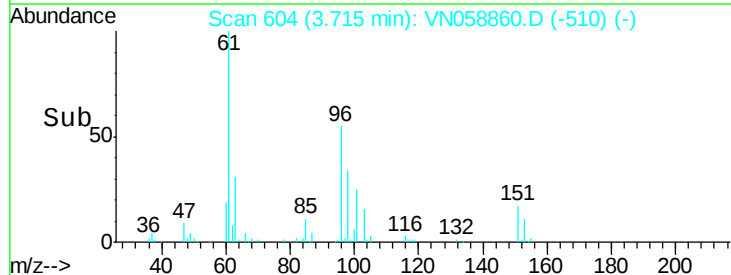
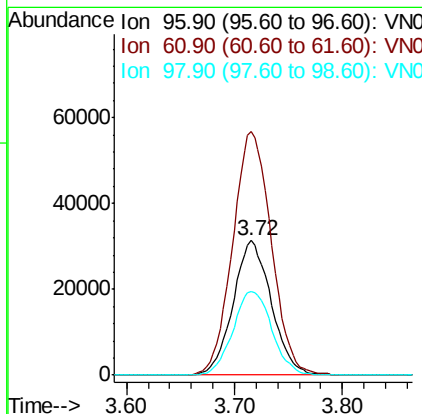
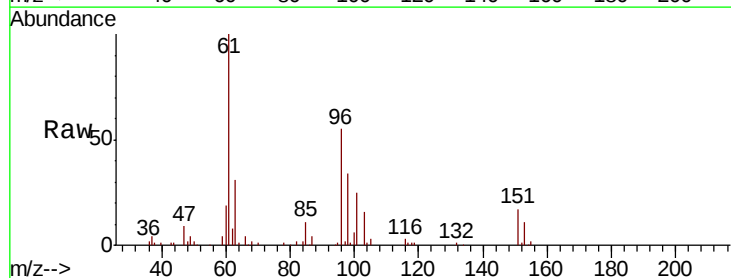
MMDadoda
10/21/2019 10:43:05 AM

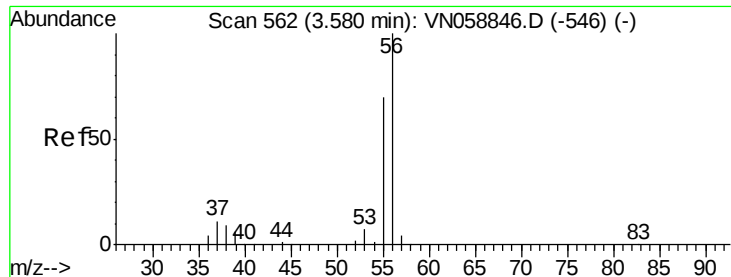


#12

1,1-Dichloroethene
Concen: 20.177 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.8	146.2	219.2
98	61.9	48.7	73.1





#13

Acrolein

Concen: 101.377 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 56 Resp: 66073

Ion Ratio Lower Upper

56 100

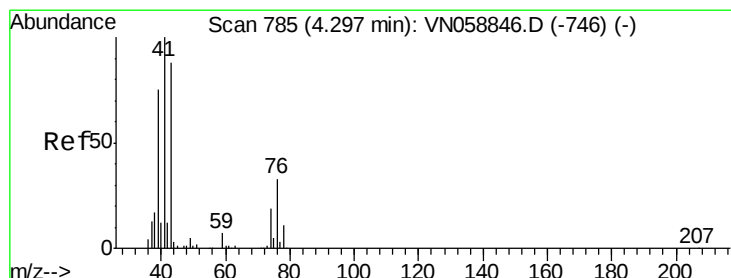
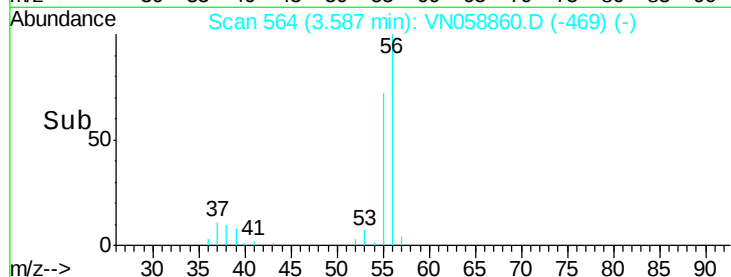
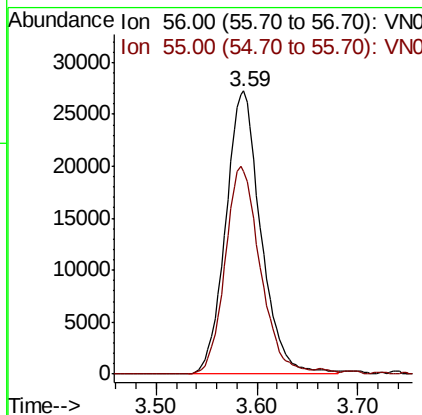
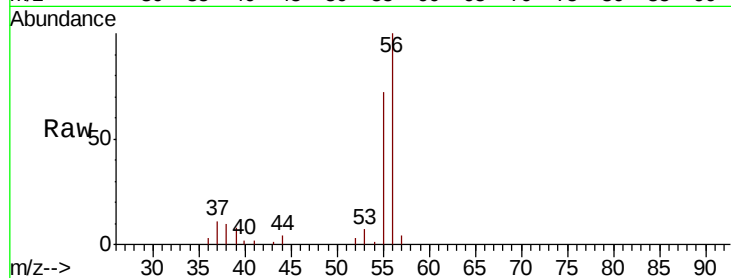
55 73.3 56.6 85.0

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#14

Allyl chloride

Concen: 19.513 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

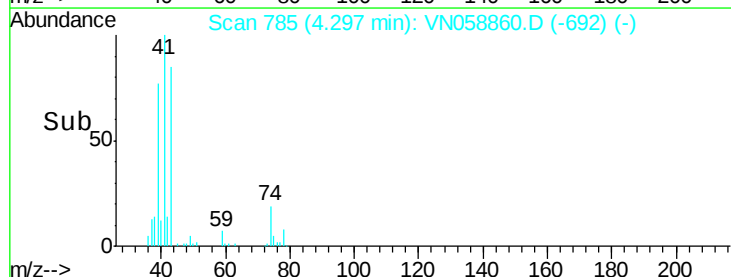
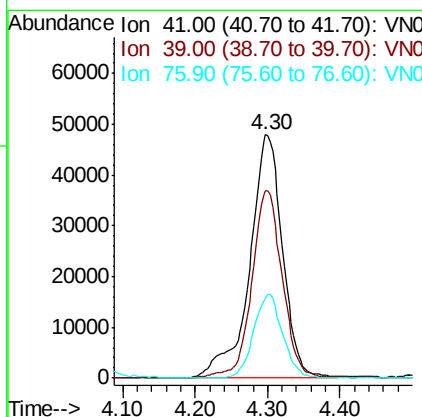
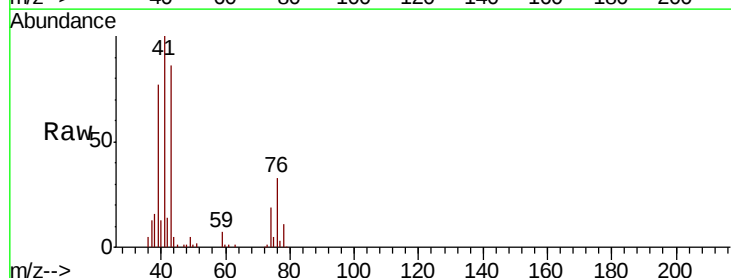
Tgt Ion: 41 Resp: 151704

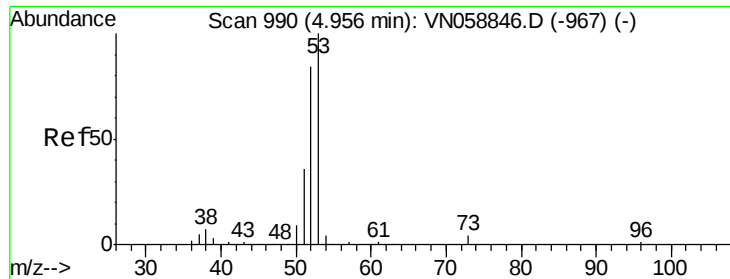
Ion Ratio Lower Upper

41 100

39 71.5 55.9 83.9

76 30.2 24.1 36.1





#15

Acrylonitrile

Concen: 97.421 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

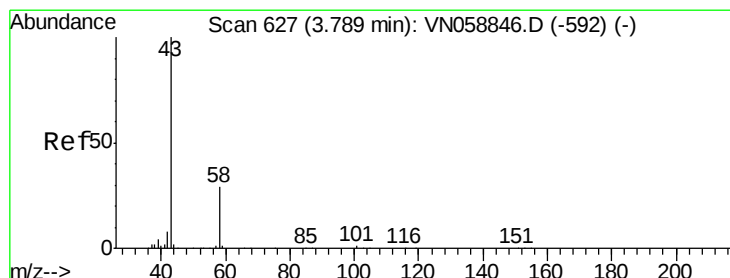
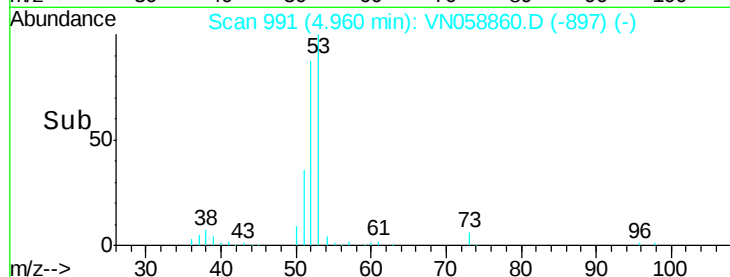
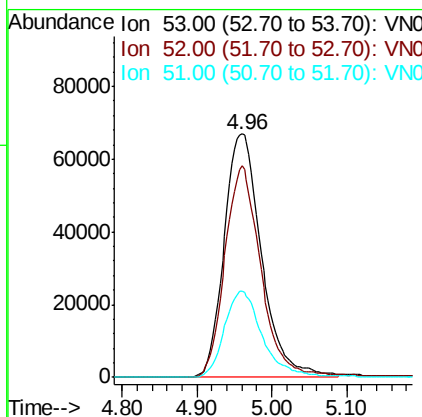
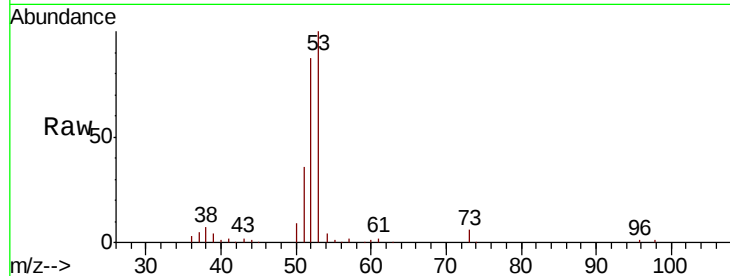
ClientSampleId :

VN1018WBSD01

Tot Ion:	53	Resp:	232445
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	99.8
51	35.7	29.2	43.8

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#16

Acetone

Concen: 76.757 ug/l

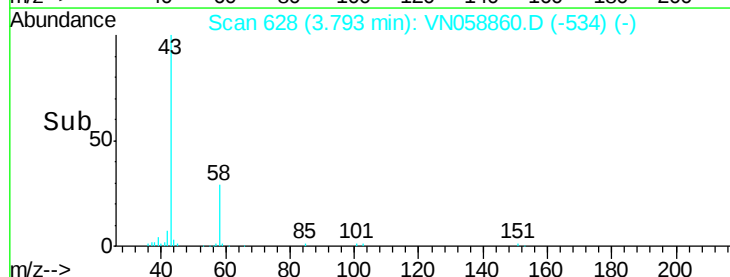
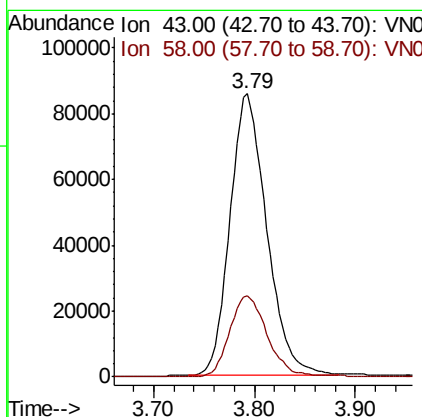
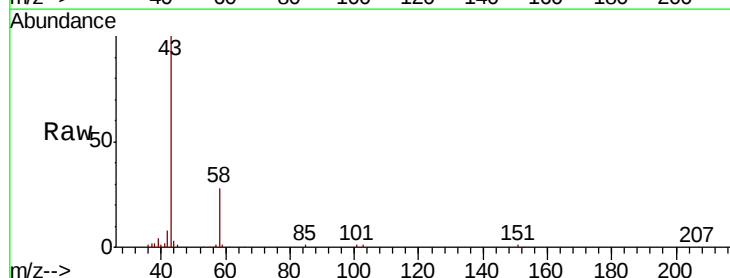
RT: 3.79 min Scan# 628

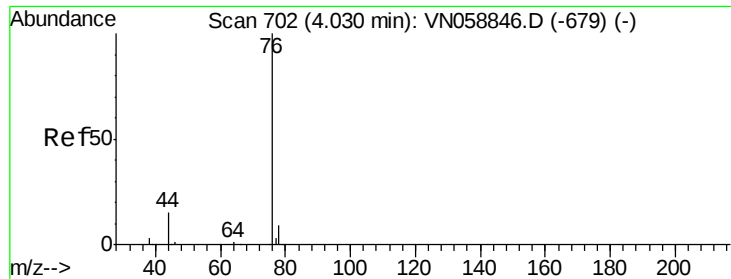
Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	43	Resp:	216802
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7





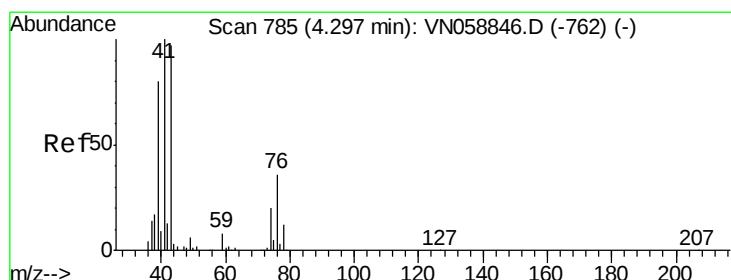
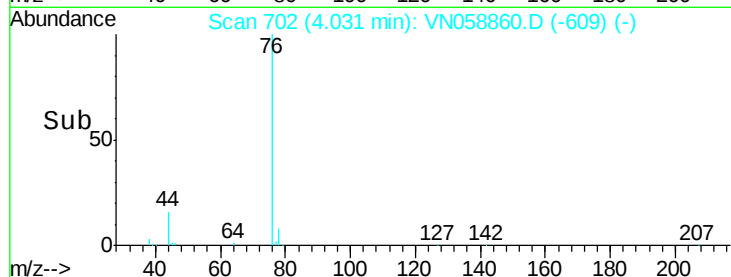
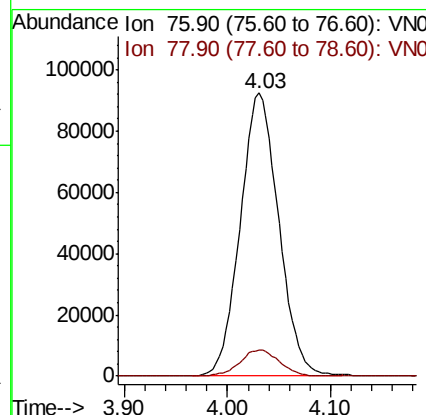
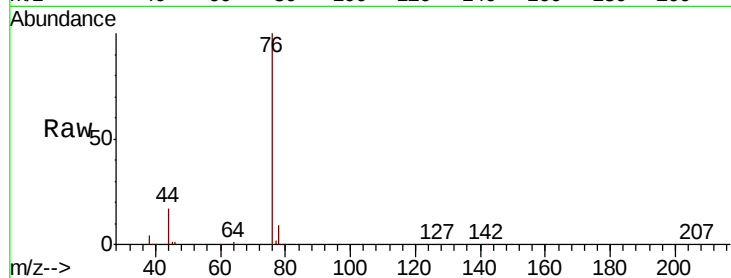
#17
Carbon Disulfide
Concen: 19.361 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampled :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

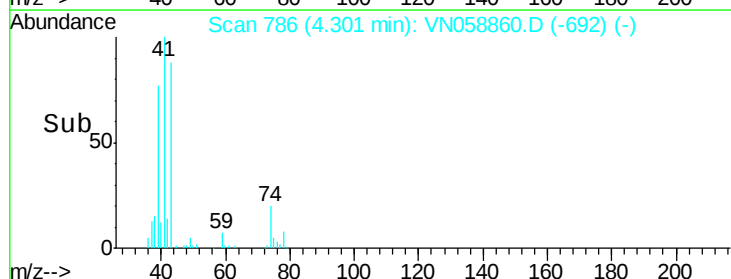
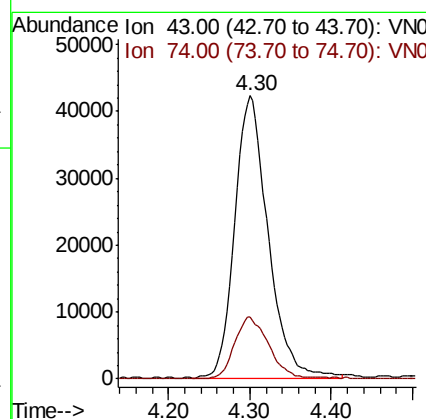
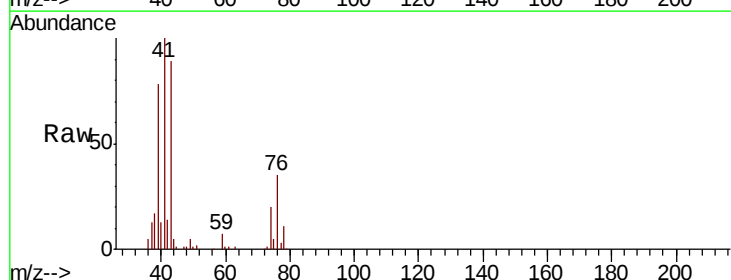
Manual Integrations
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#18
Methyl Acetate
Concen: 18.679 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.1	25.7





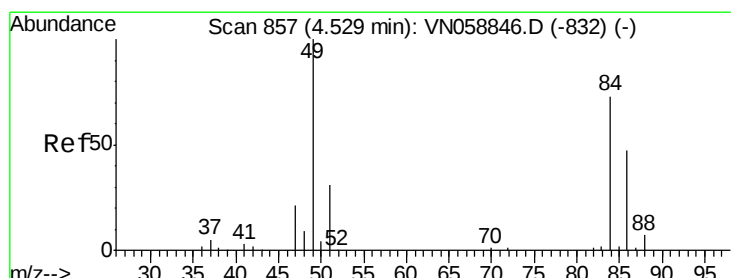
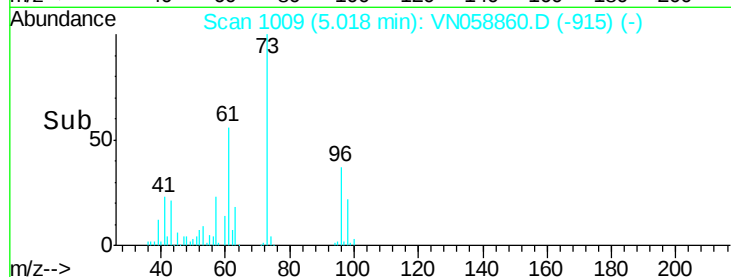
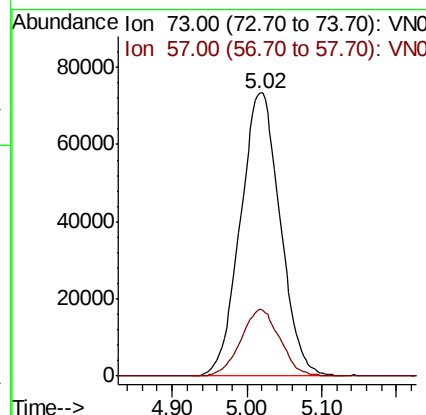
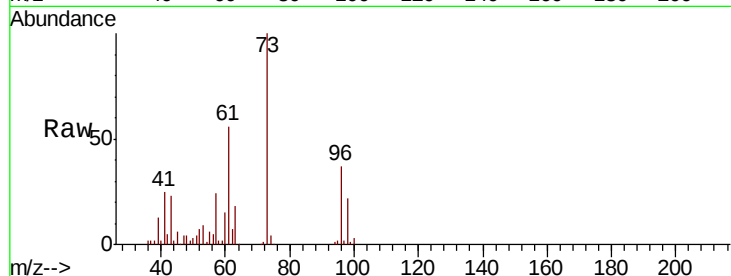
#19
Methvl tert-butvl Ether
Concen: 20.186 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion: 73 Resp: 271562
Ion Ratio Lower Upper
73 100
57 23.8 17.9 26.9

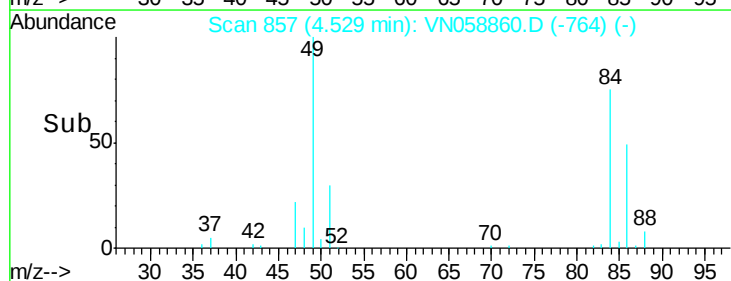
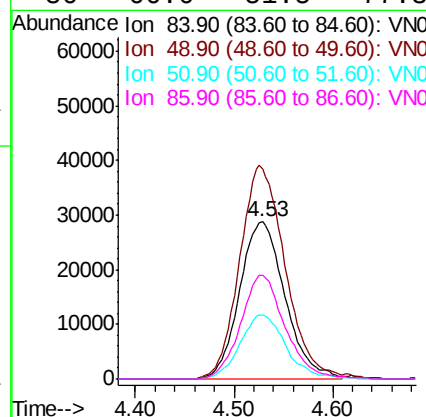
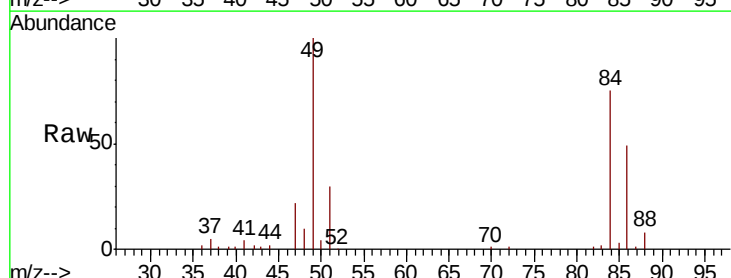
Manual Integrations
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#20
Methylene Chloride
Concen: 19.068 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion: 84 Resp: 91964
Ion Ratio Lower Upper
84 100
49 133.5 109.6 164.4
51 40.6 33.8 50.6
86 66.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.140 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

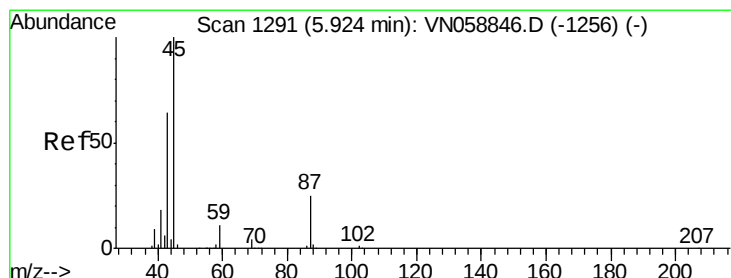
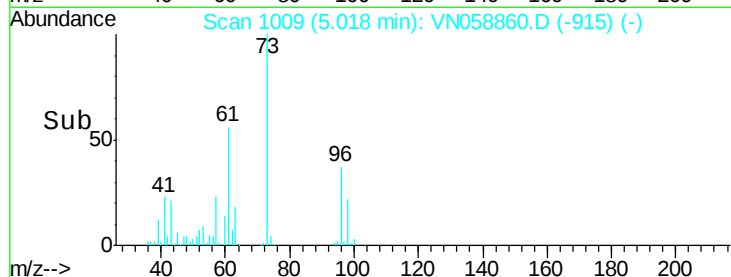
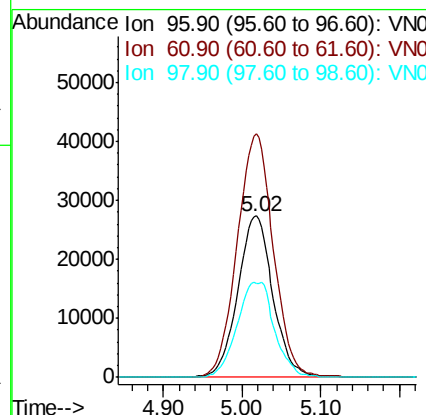
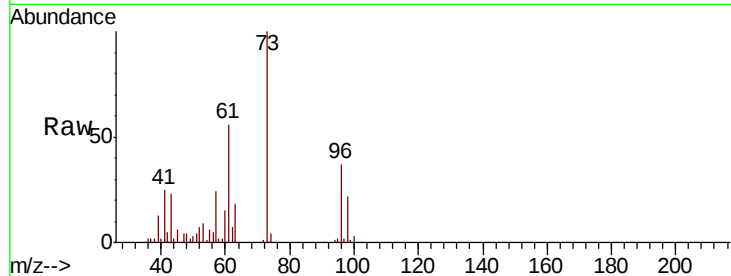
ClientSampleId :

VN1018WBSD01

Tot Ion:	96	Resp:	85452
Ion	Ratio	Lower	Upper
96	100		
61	150.7	126.7	190.1
98	58.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.265 ug/l

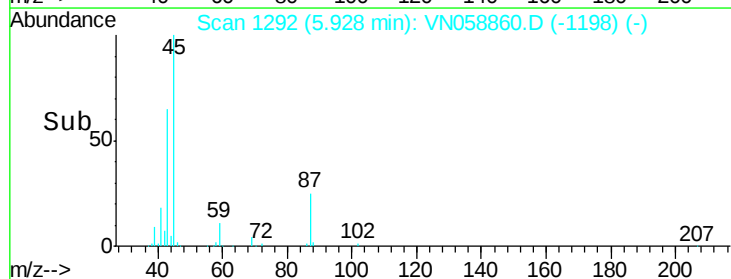
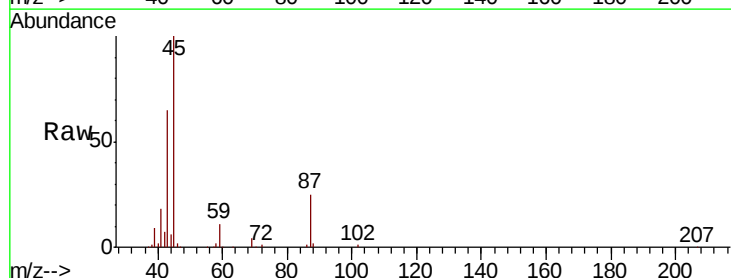
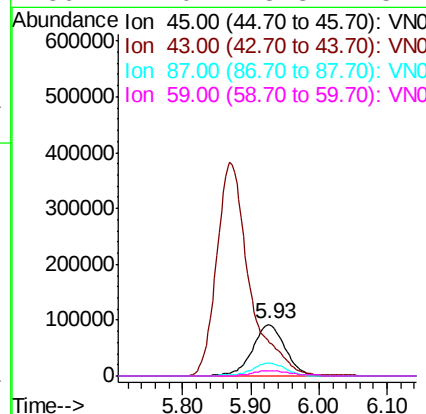
RT: 5.93 min Scan# 1292

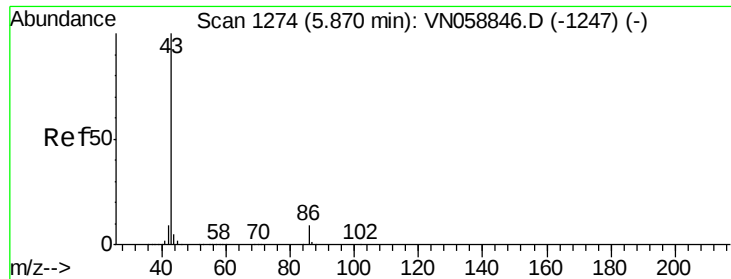
Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	45	Resp:	308156
Ion	Ratio	Lower	Upper
45	100		
43	63.2	52.9	79.3
87	24.7	20.2	30.4
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 104.511 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 43 Resp: 1276856

Ion Ratio Lower Upper

43 100

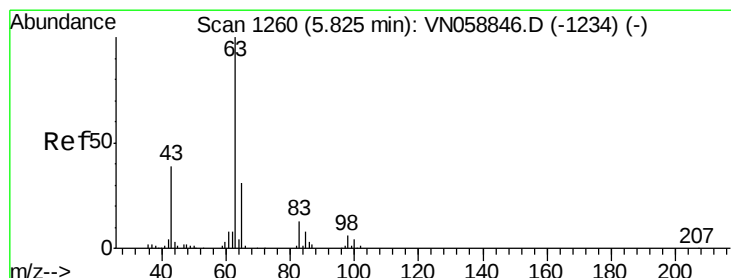
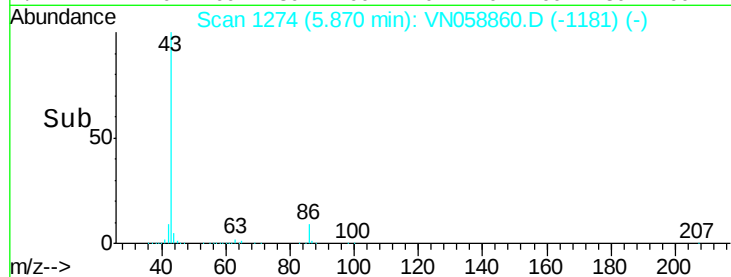
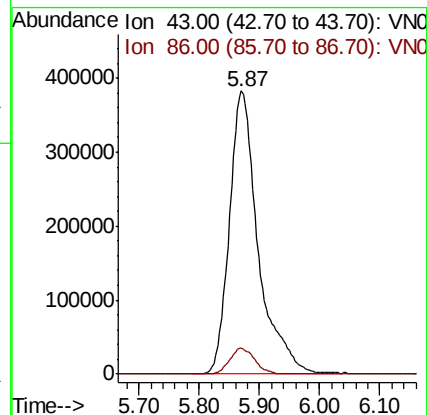
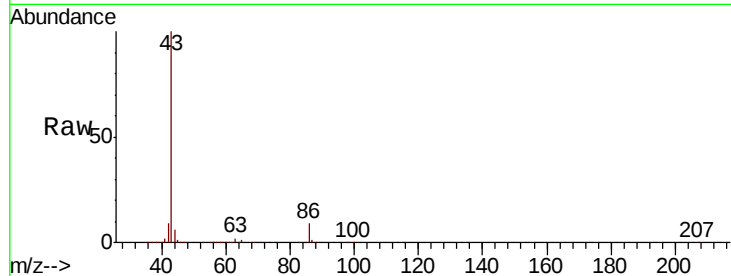
86 9.1 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 19.657 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

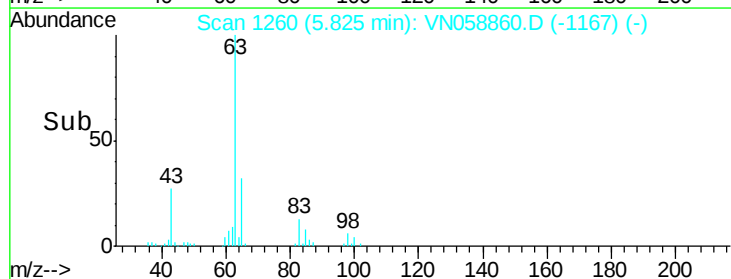
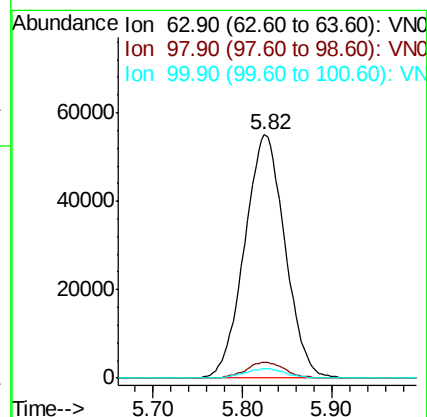
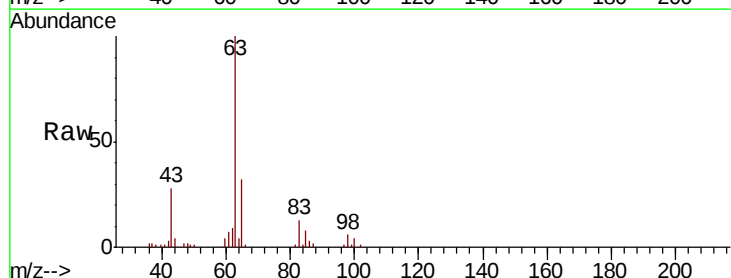
Tgt Ion: 63 Resp: 173328

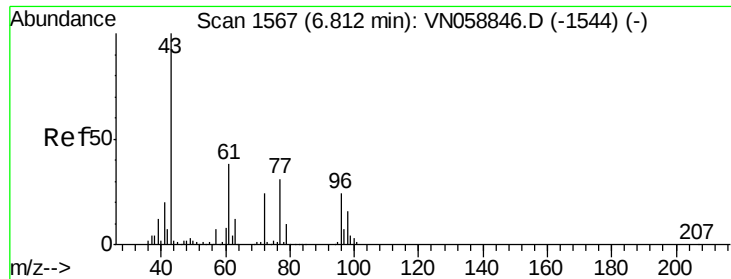
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 88.382 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 43 Resp: 324054

Ion Ratio Lower Upper

43 100

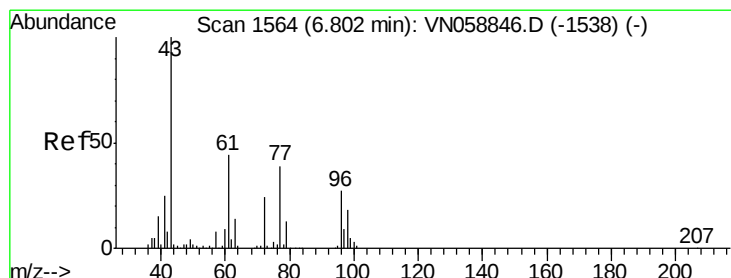
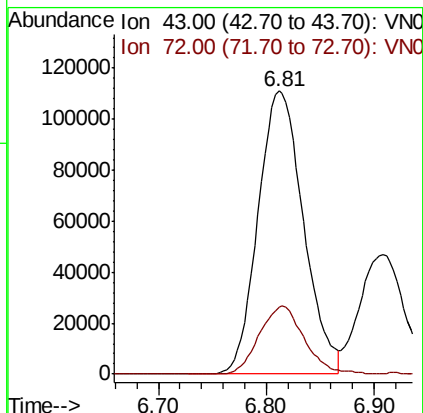
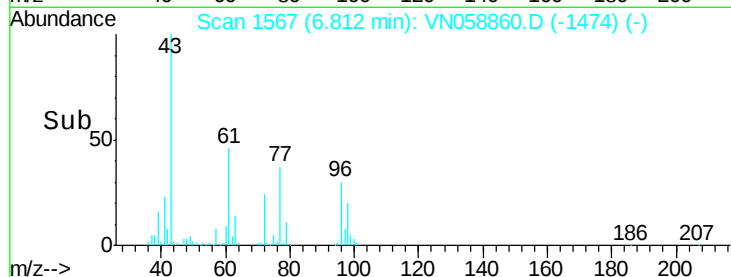
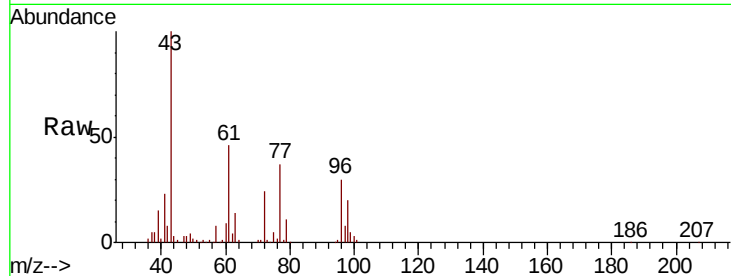
72 23.5 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 18.513 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058860.D

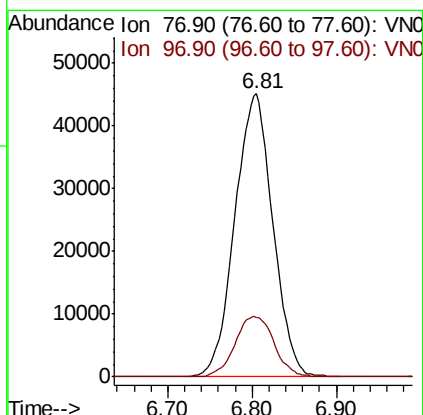
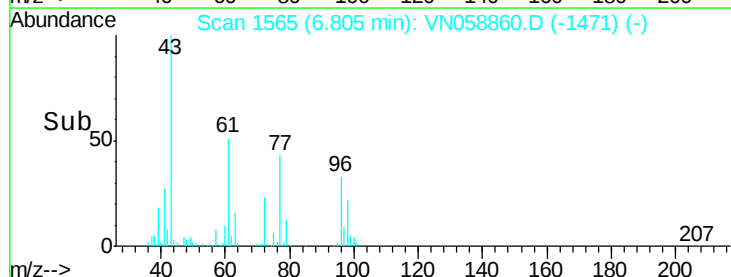
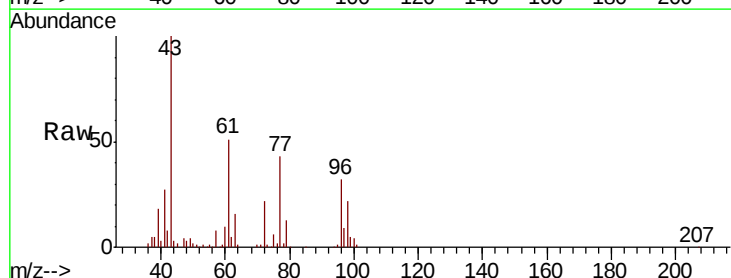
Acq: 18 Oct 2019 16:04

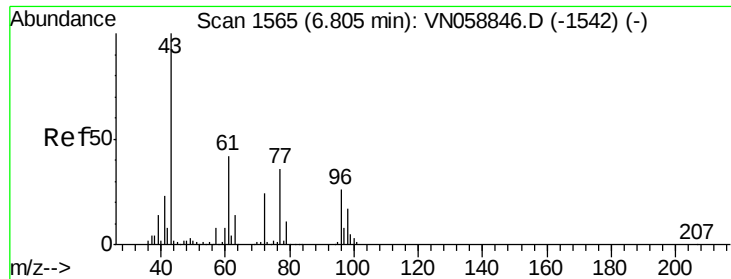
Tgt Ion: 77 Resp: 141194

Ion Ratio Lower Upper

77 100

97 21.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.150 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

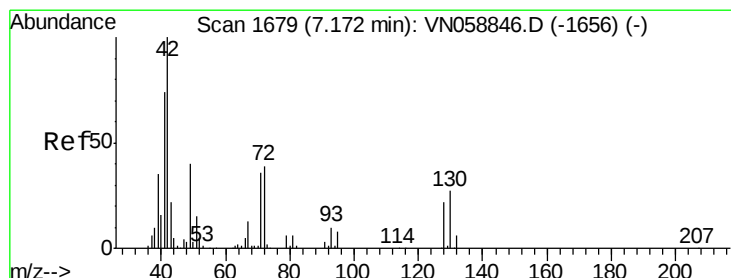
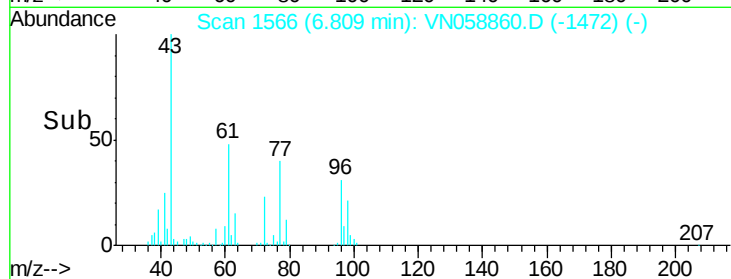
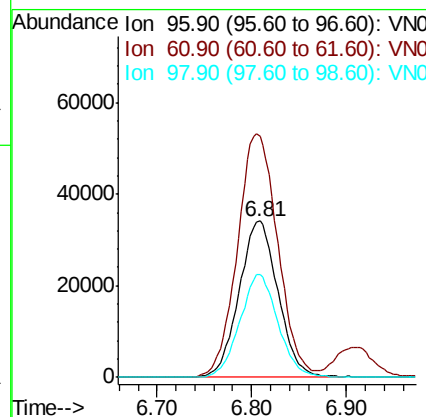
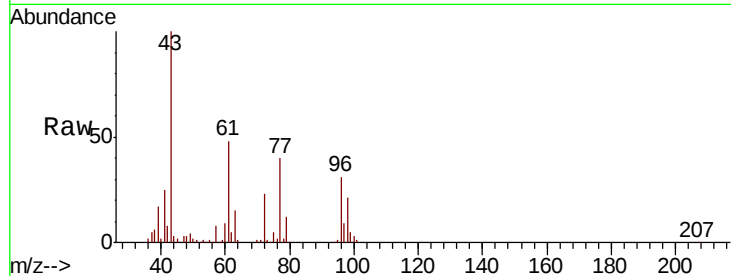
ClientSampleId :

VN1018WBSD01

Tot Ion:	96	Resp:	97666
Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	325.0
98	64.5	0.0	128.0

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#28

Bromochloromethane

Concen: 19.802 ug/l

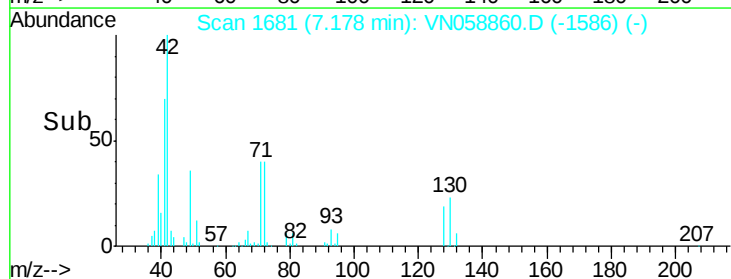
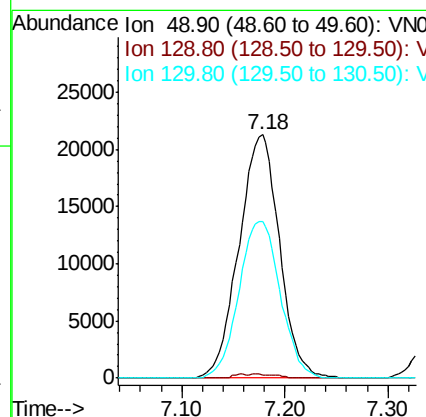
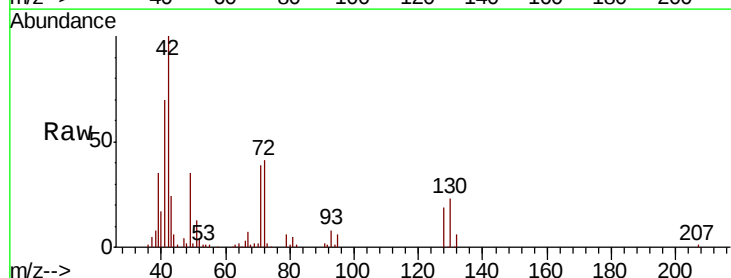
RT: 7.18 min Scan# 1681

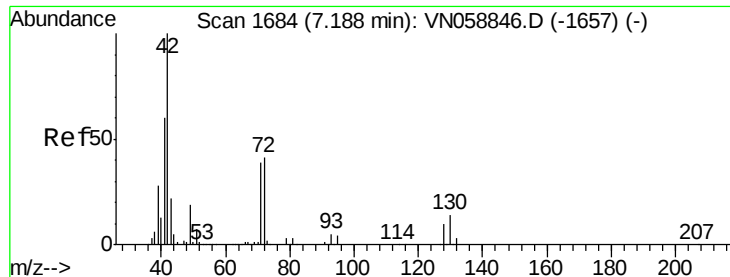
Delta R.T. 0.01 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	49	Resp:	58151
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.2
130	65.5	53.5	80.3





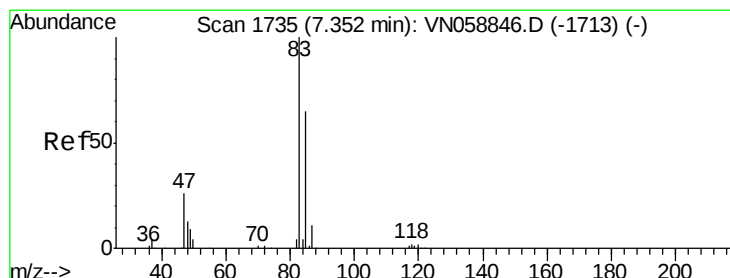
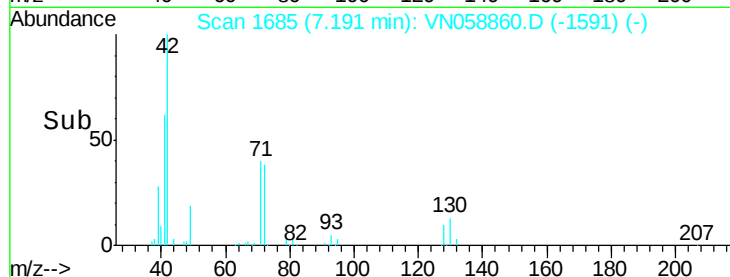
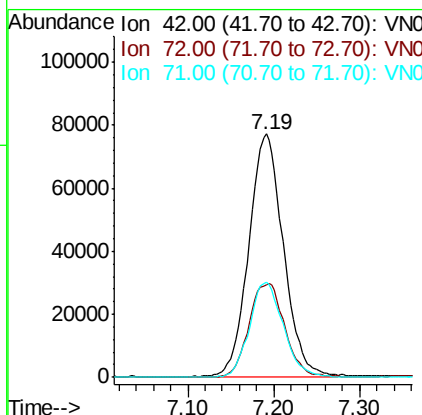
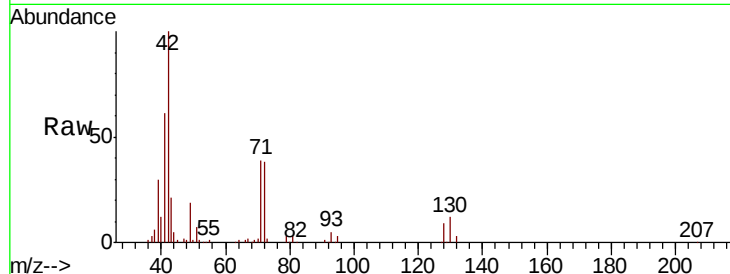
#29
Tetrahydrofuran
Concen: 96.885 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.2	48.2
71	38.2	30.6	45.8

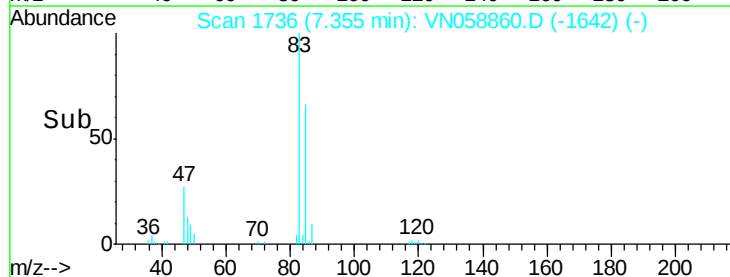
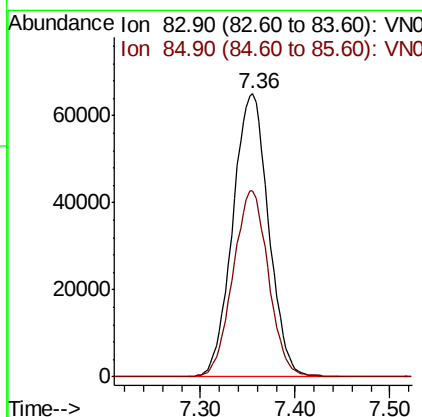
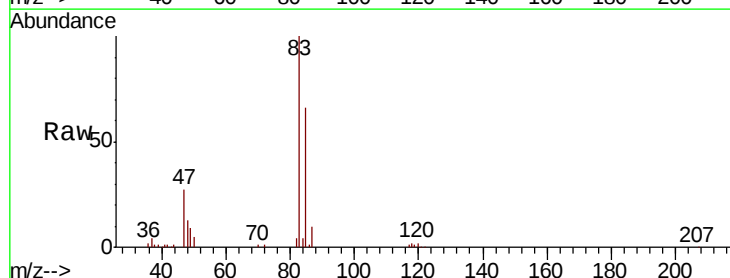
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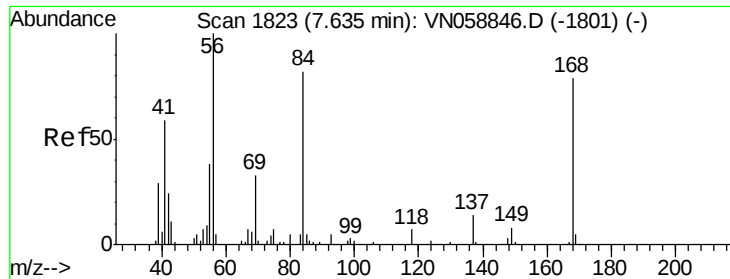
MMDadoda
10/21/2019 10:43:05 AM



#30
Chloroform
Concen: 19.356 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9





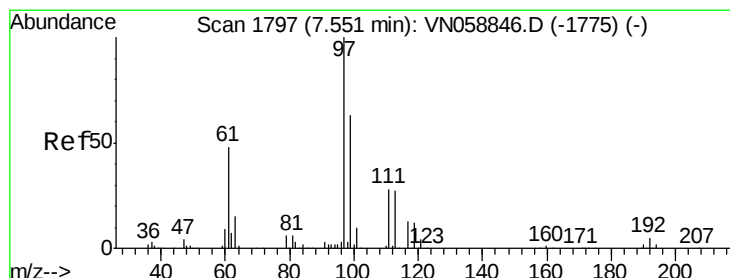
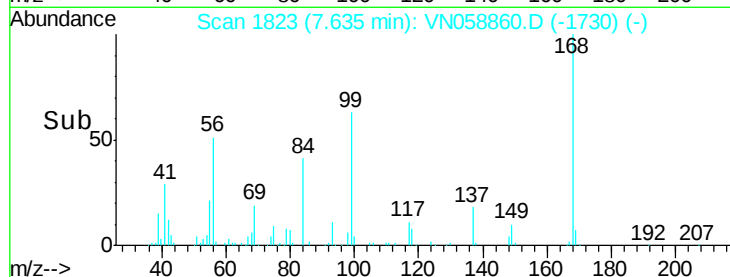
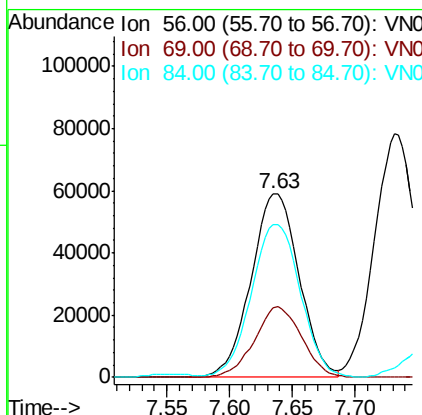
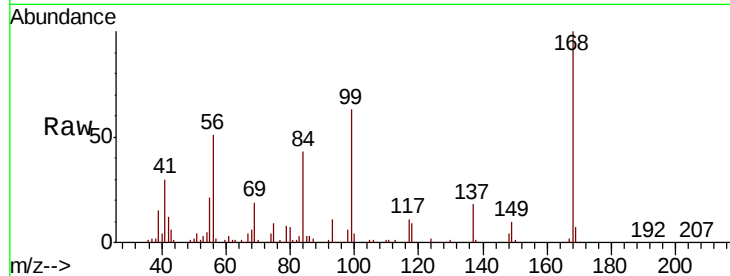
#31
Cyclohexane
Concen: 19.204 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.2	39.4
84	82.0	65.6	98.4

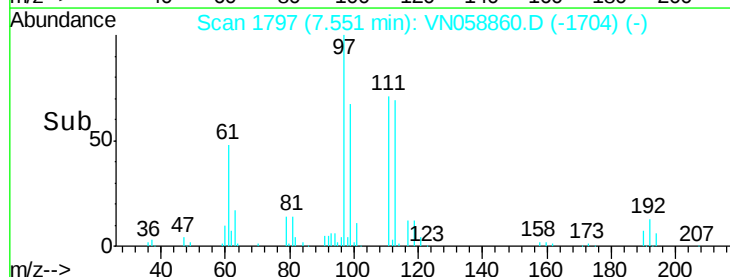
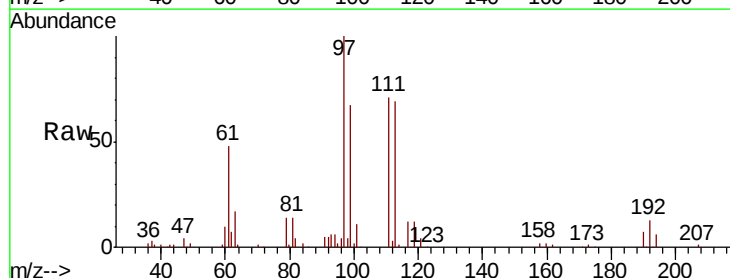
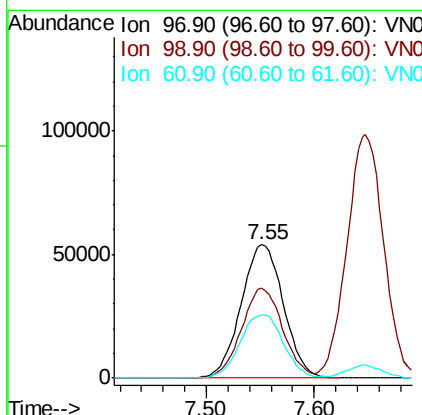
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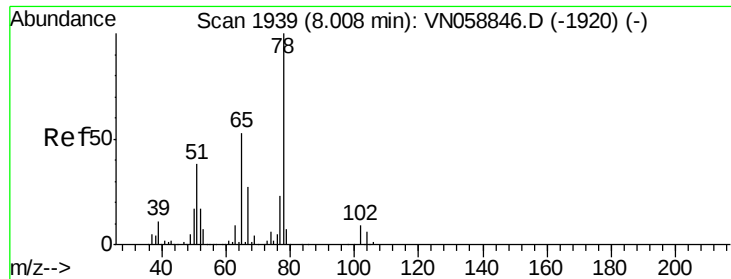
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.787 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.4
61	48.4	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 50.873 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 65 Resp: 290793

Ion Ratio Lower Upper

65 100

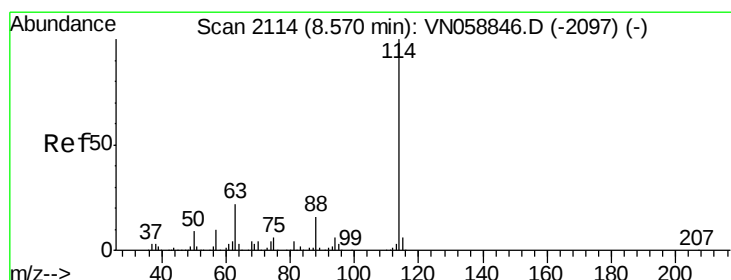
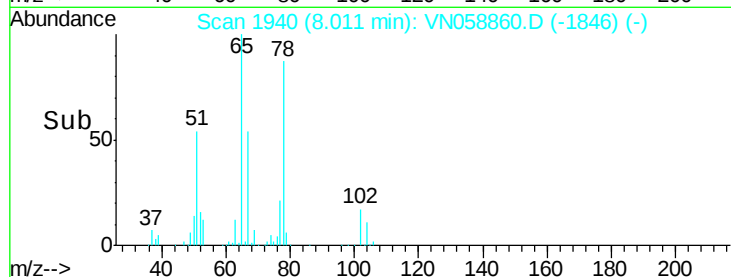
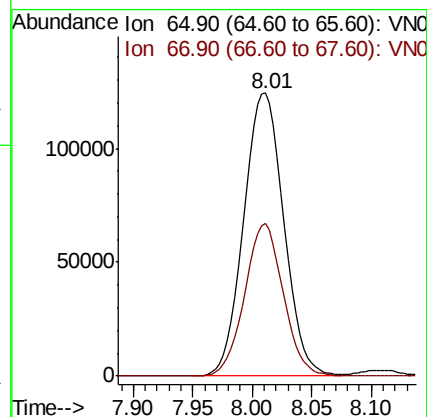
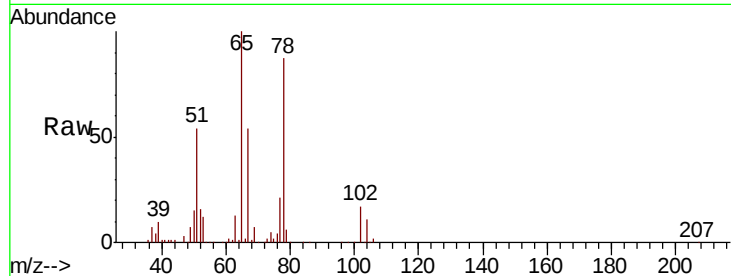
67 52.0 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

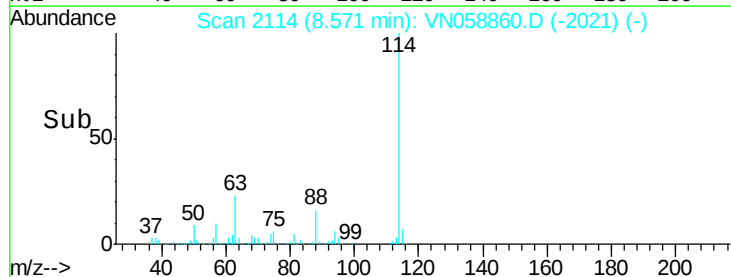
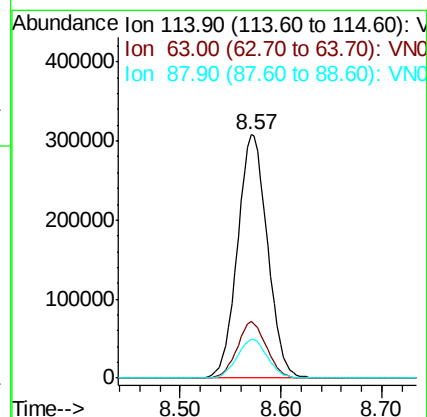
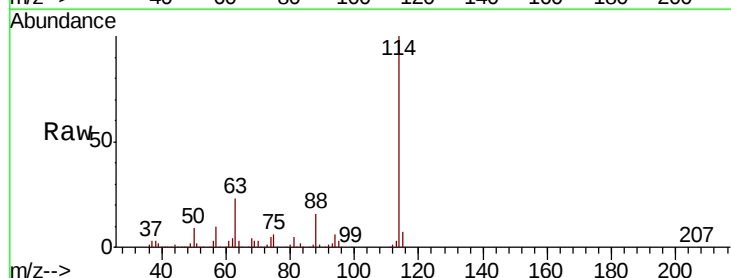
Tgt Ion: 114 Resp: 635178

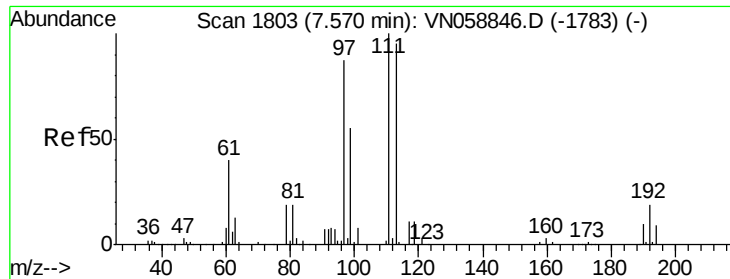
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

88 15.8 0.0 31.4





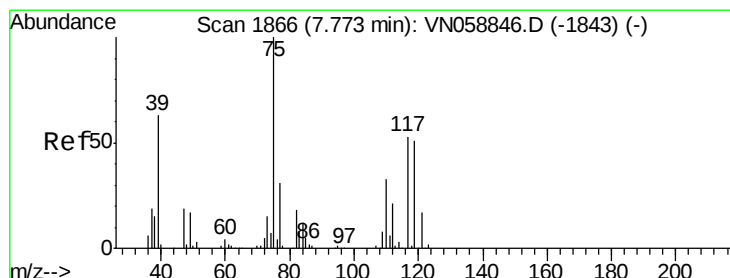
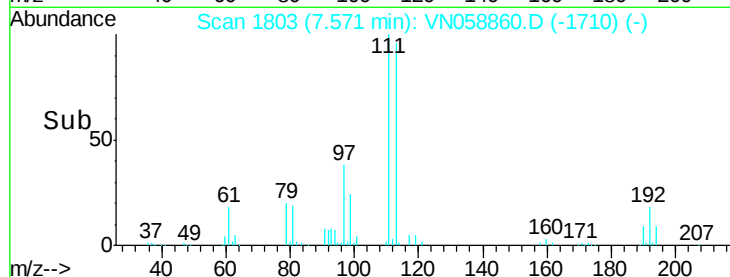
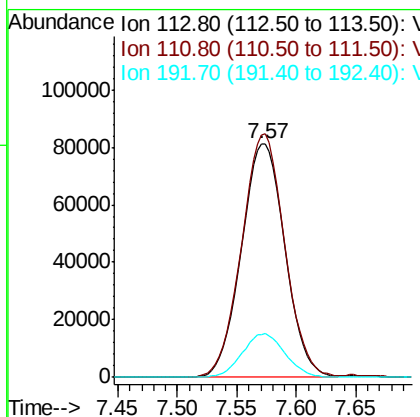
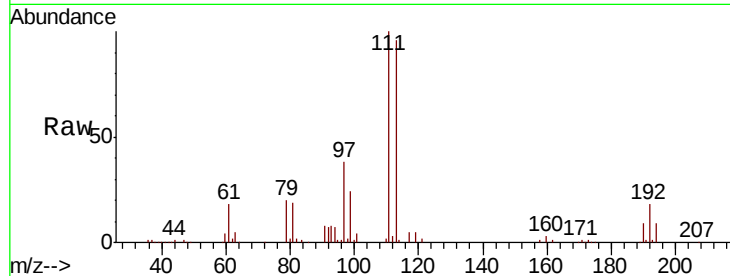
#35
 Dibromofluoromethane
 Concen: 49.360 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206133		
111	103.0	82.0	123.0	
192	18.4	15.0	22.6	

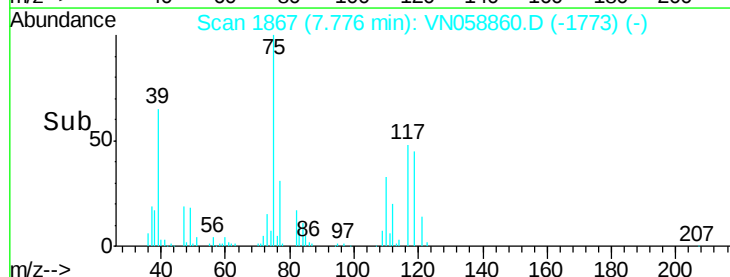
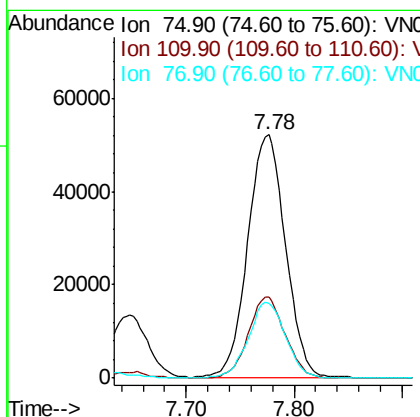
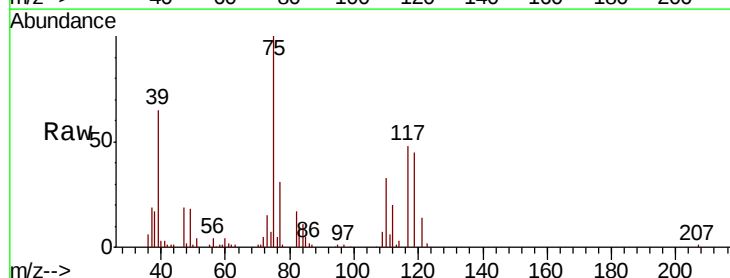
Manual Integrations
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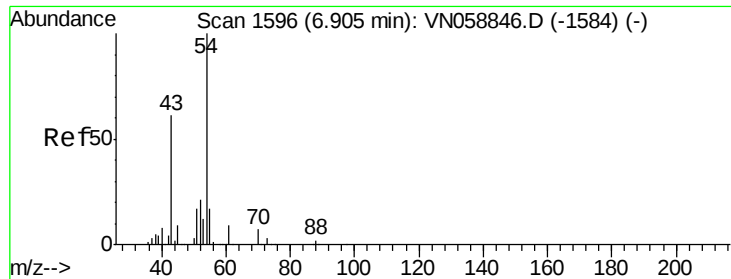
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#36
 1,1-Dichloropropene
 Concen: 19.423 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126303		
110	32.7	16.3	48.9	
77	31.1	24.6	36.8	





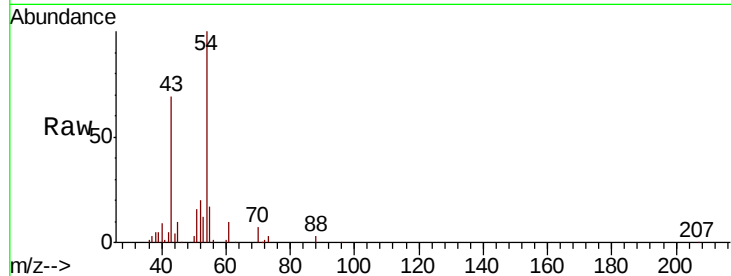
#37
Ethyl Acetate
Concen: 19.218 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	9.4	7.6	11.4

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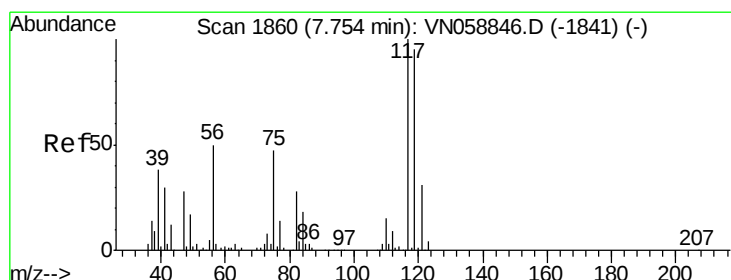
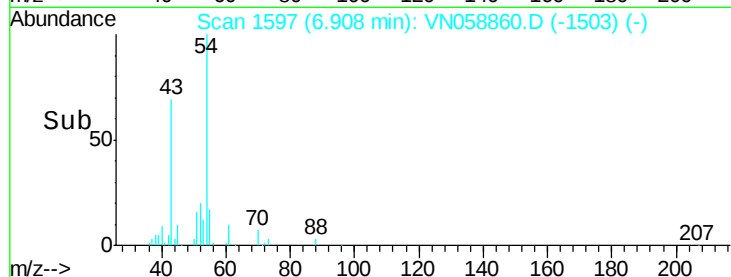
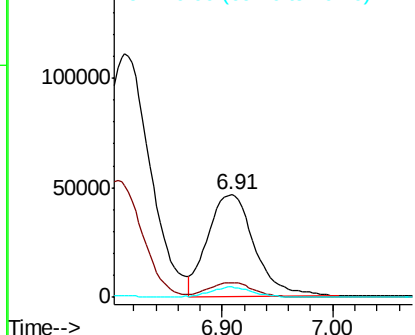
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Abundance Ion 43.00 (42.70 to 43.70): VN058860.D (-1503) (-)

Ion 60.90 (60.60 to 61.60): VN058860.D (-1503) (-)

Ion 70.00 (69.70 to 70.70): VN058860.D (-1503) (-)



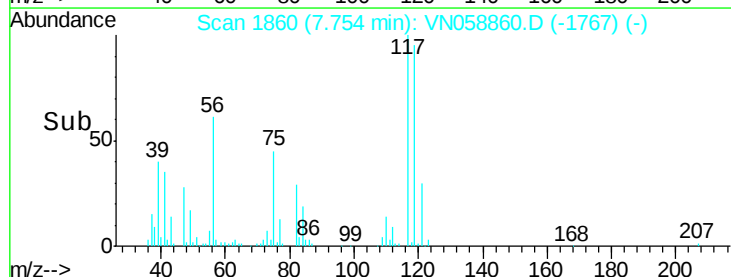
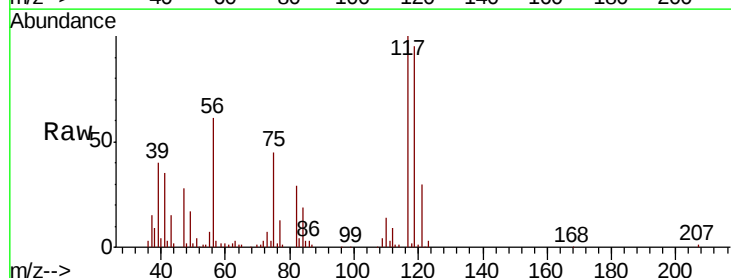
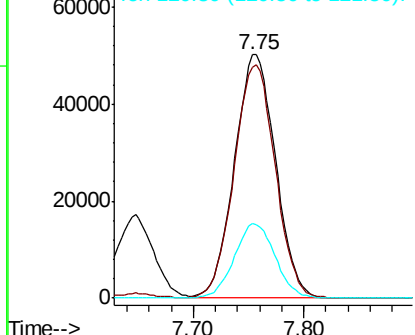
#38
Carbon Tetrachloride
Concen: 19.377 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

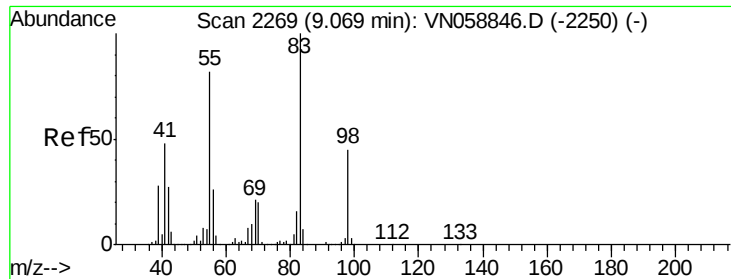
Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
121	30.5	25.0	37.6

Abundance Ion 116.80 (116.50 to 117.50): VN058860.D (-1767) (-)

Ion 118.80 (118.50 to 119.50): VN058860.D (-1767) (-)

Ion 120.80 (120.50 to 121.50): VN058860.D (-1767) (-)





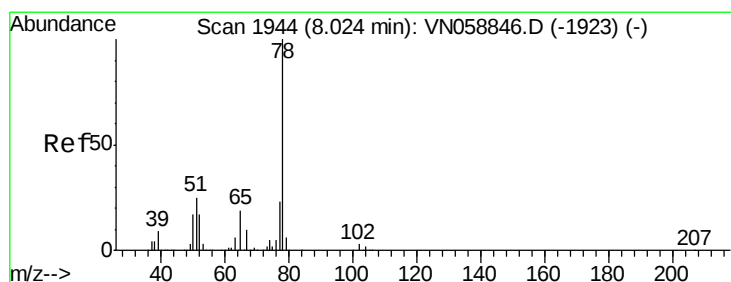
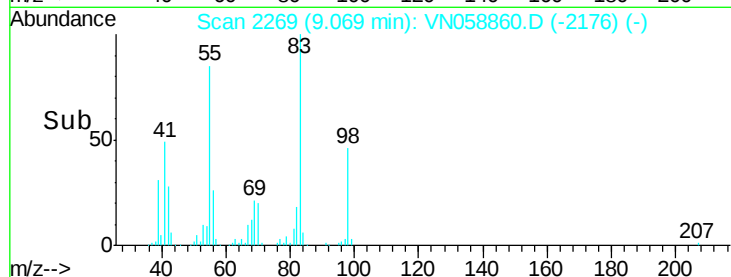
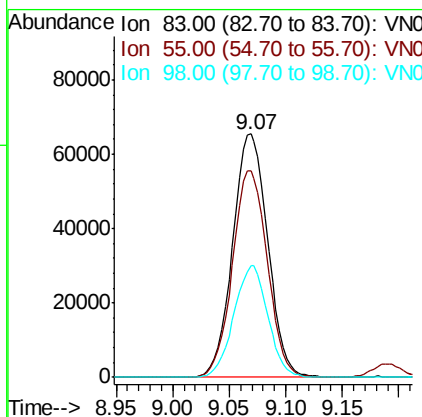
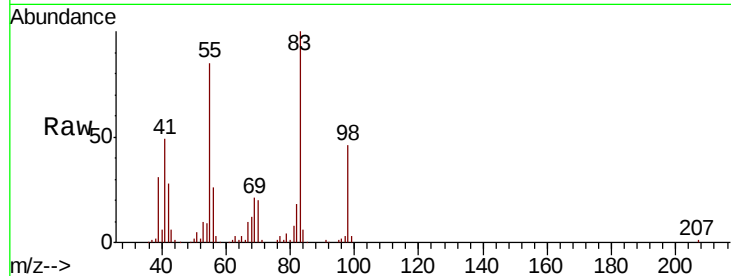
#39
Methvlcvclohexane
Concen: 19.356 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	65.5	98.3
98	46.1	35.7	53.5

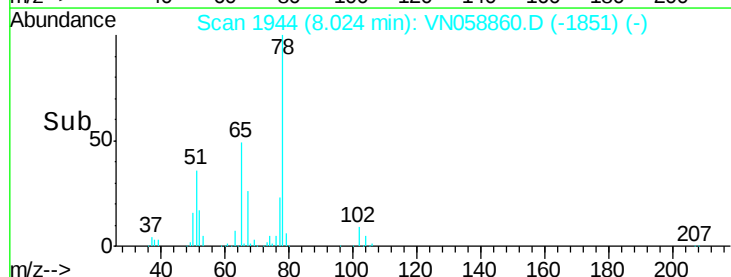
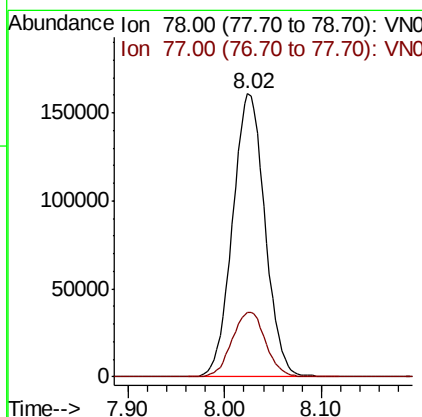
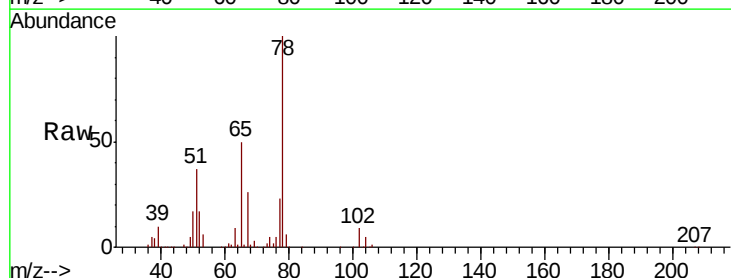
Manual Integrations
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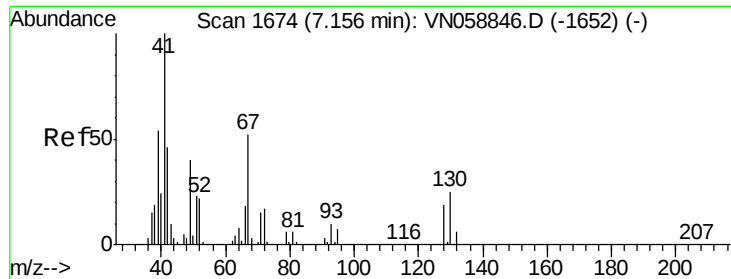
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#40
Benzene
Concen: 19.577 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2





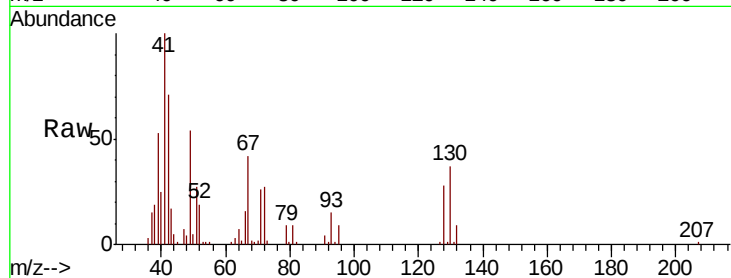
#41
Methacrylonitrile
Concen: 20.649 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

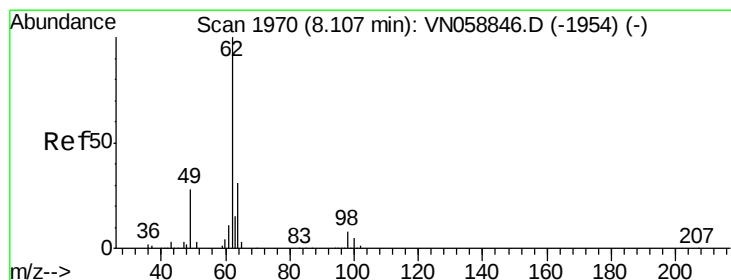
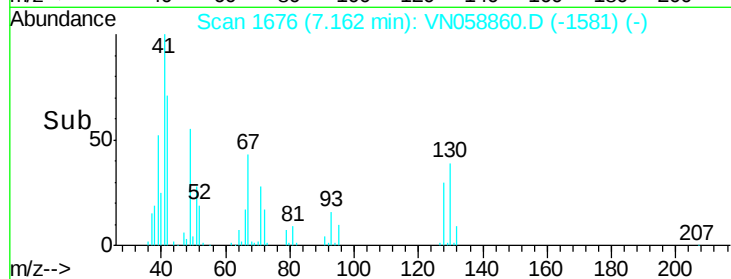
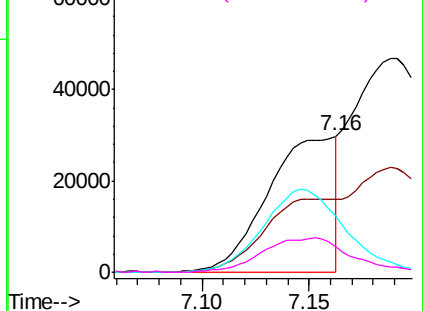
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65165		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
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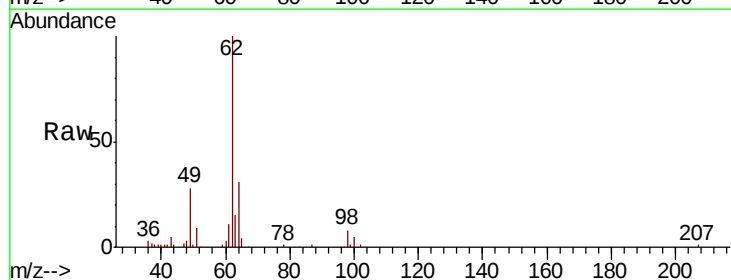


Abundance Ion 41.00 (40.70 to 41.70): VN058860.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN058860.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN058860.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN058860.D (-1581) (-)

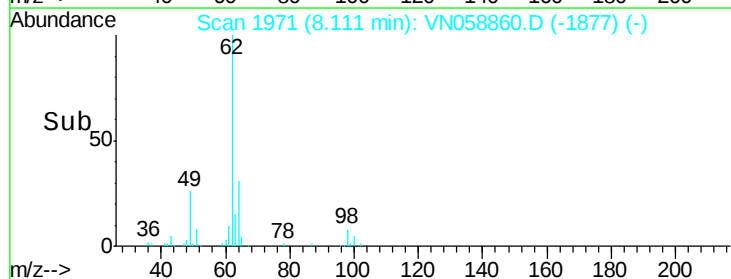
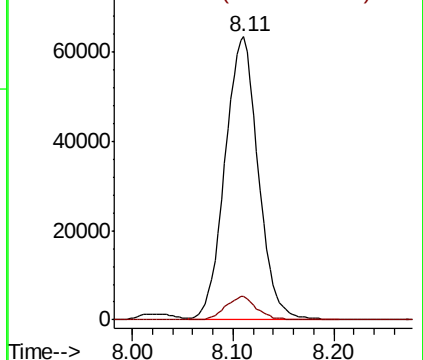


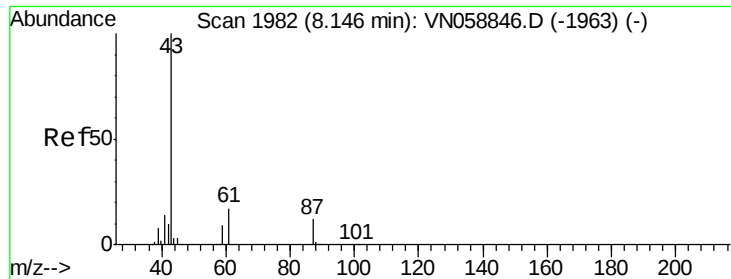
#42
1,2-Dichloroethane
Concen: 19.828 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		145854		
98	7.7	0.0	16.2		



Abundance Ion 61.90 (61.60 to 62.60): VN058860.D (-1877) (-)
Ion 97.90 (97.60 to 98.60): VN058860.D (-1877) (-)





#43

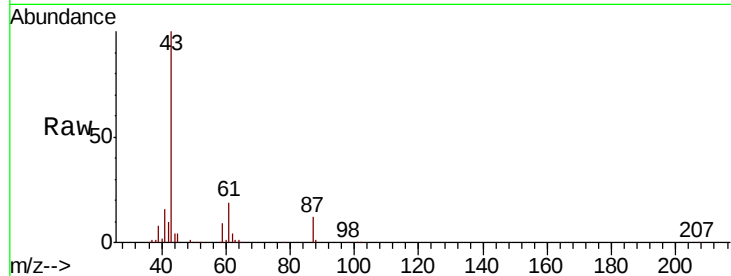
Isopropyl Acetate
 Concen: 19.361 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	20.2	30.2
87	11.8	9.5	14.3

Manual Integrations
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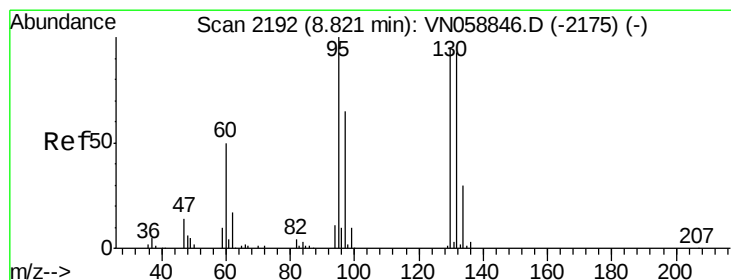
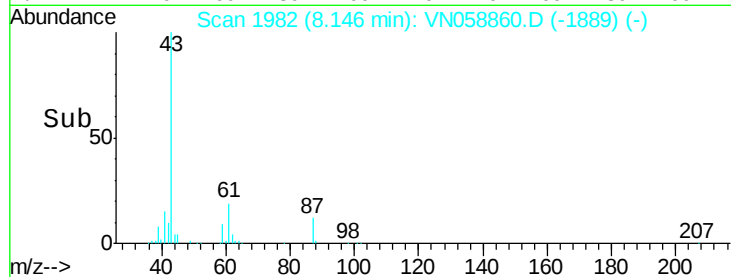
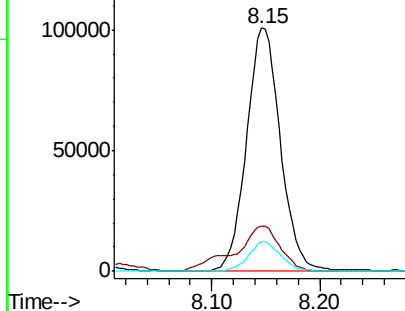
MMDadoda
 10/21/2019 10:43:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058860.D (-1889) (-)

Ion 61.00 (60.70 to 61.70): VN058860.D (-1889) (-)

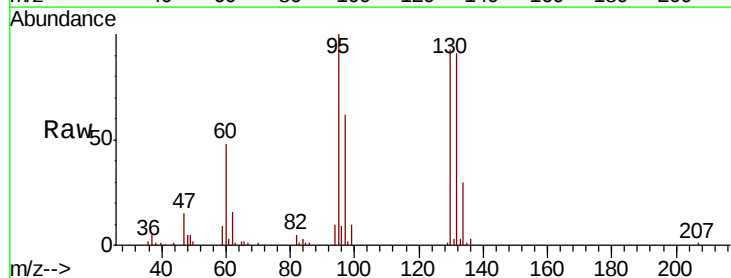
Ion 87.00 (86.70 to 87.70): VN058860.D (-1889) (-)



#44

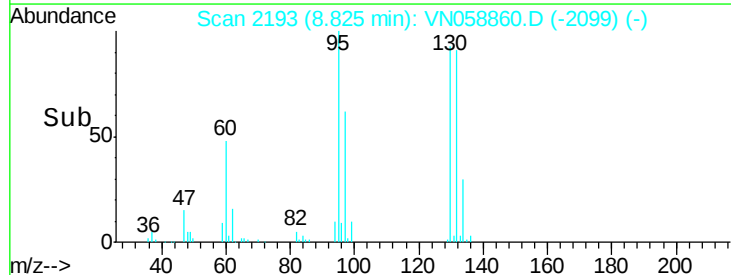
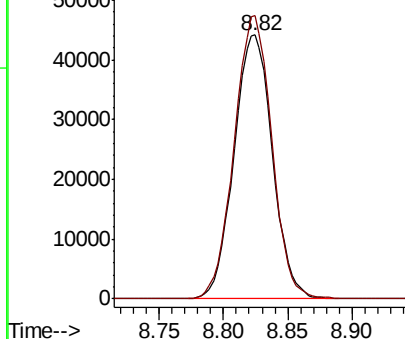
Trichloroethene
 Concen: 19.716 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

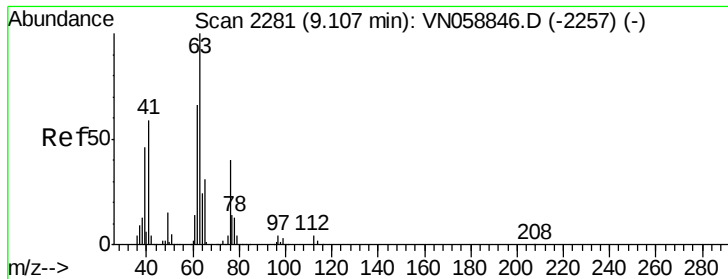
Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058860.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058860.D (-2099) (-)





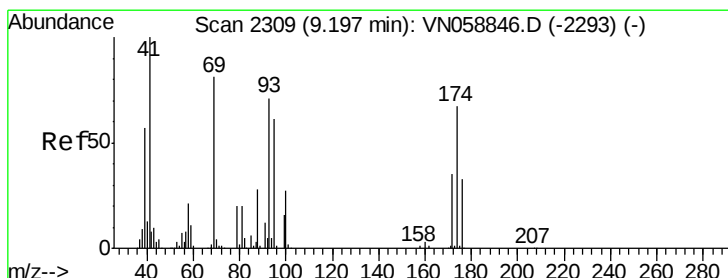
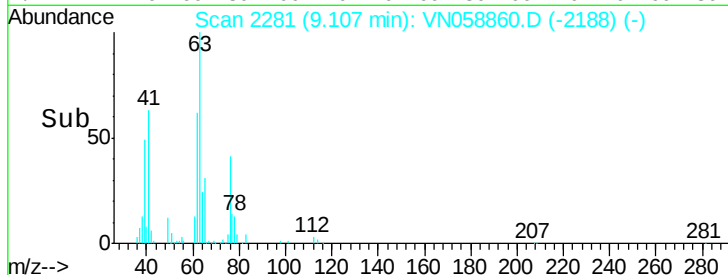
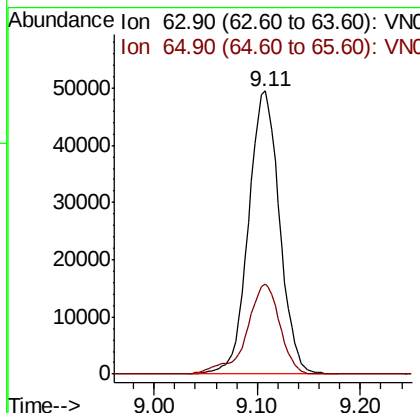
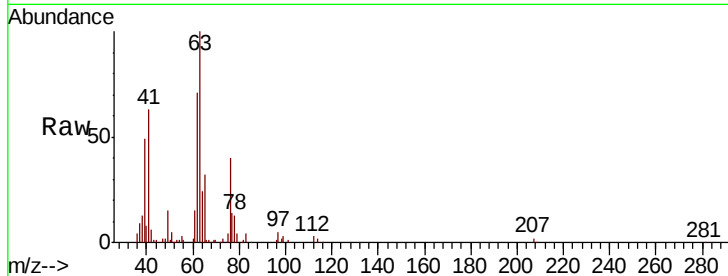
#45
 1,2-Dichloropropane
 Concen: 19.720 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.5	36.7

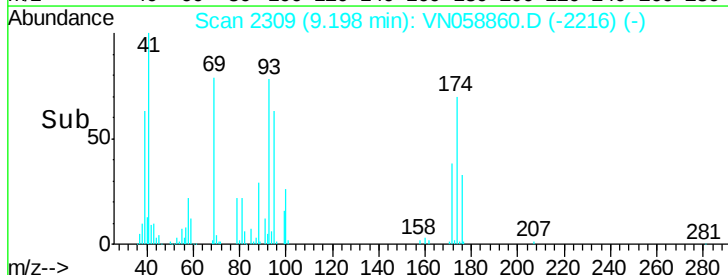
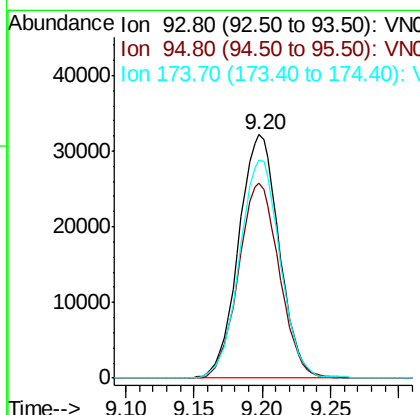
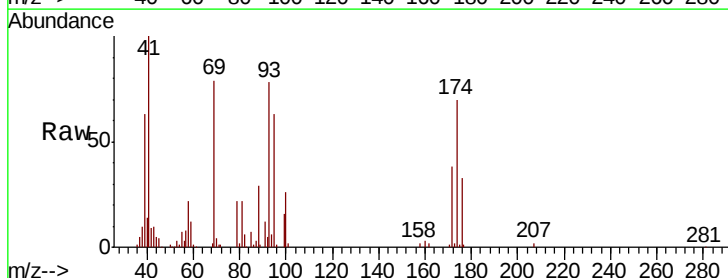
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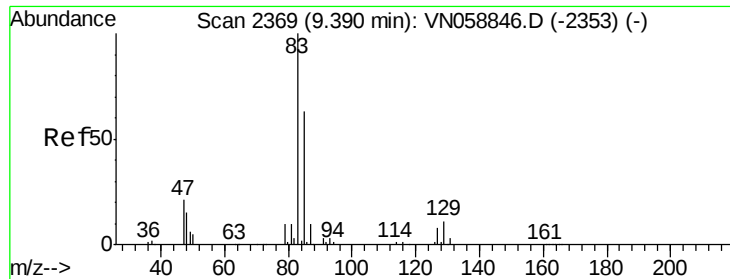
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 10/21/2019 10:43:05 AM



#46
 Dibromomethane
 Concen: 19.982 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	67.6	101.4
174	89.7	74.1	111.1





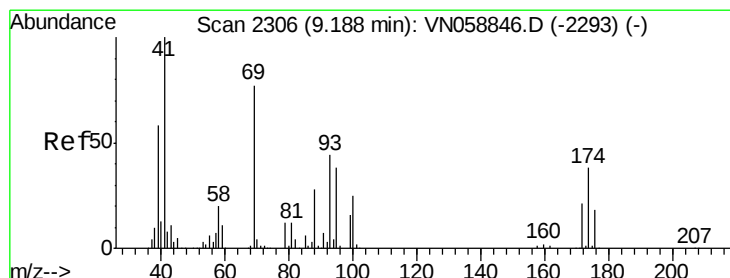
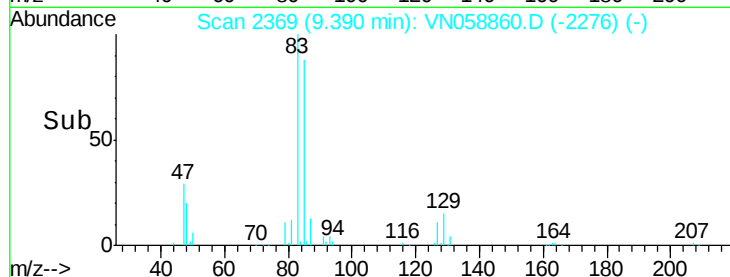
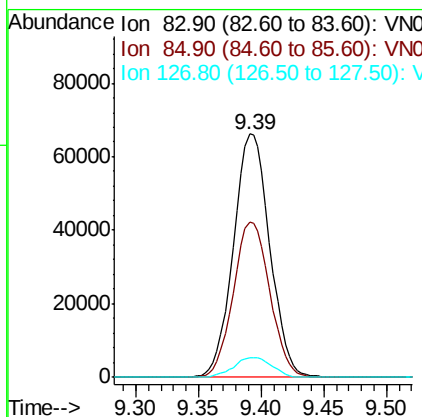
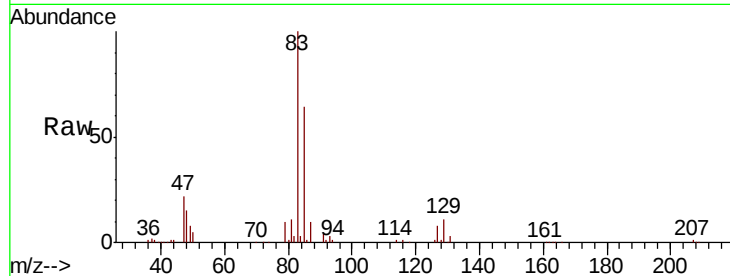
#47
Bromodichloromethane
Concen: 19.553 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	83	Resp	133406
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	8.0	6.5	9.7

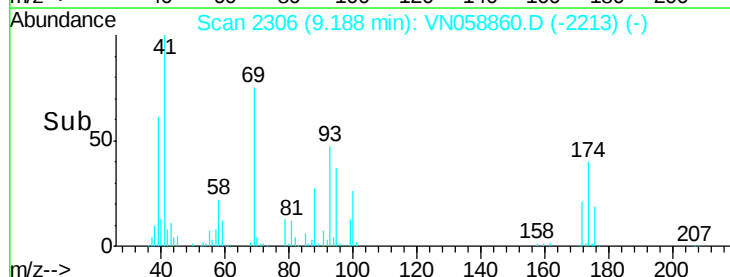
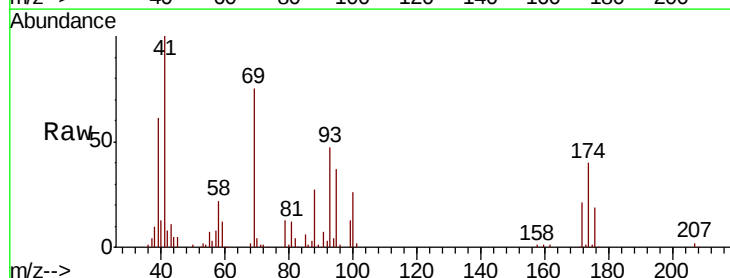
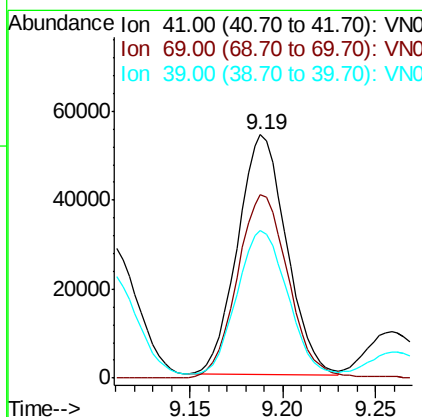
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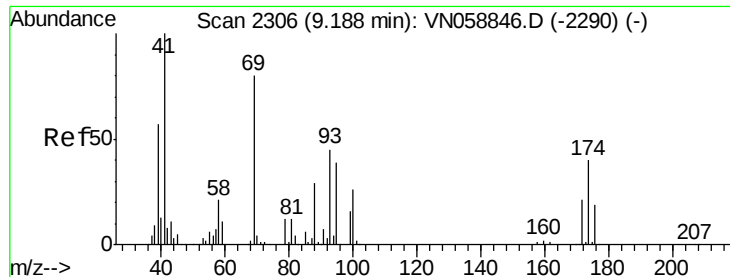
MMDadoda
10/21/2019 10:43:05 AM



#48
Methyl methacrylate
Concen: 19.190 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	41	Resp	98941
Ion Ratio	100	Lower	Upper
41	100		
69	80.0	63.8	95.6
39	64.2	47.8	71.8





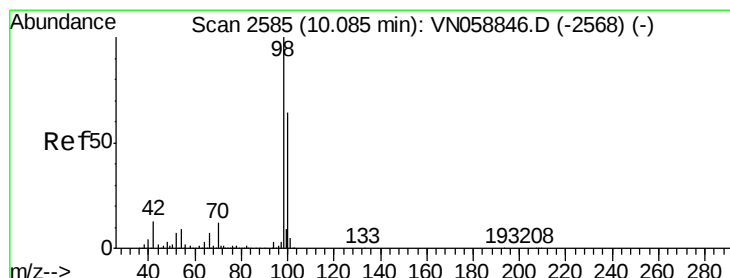
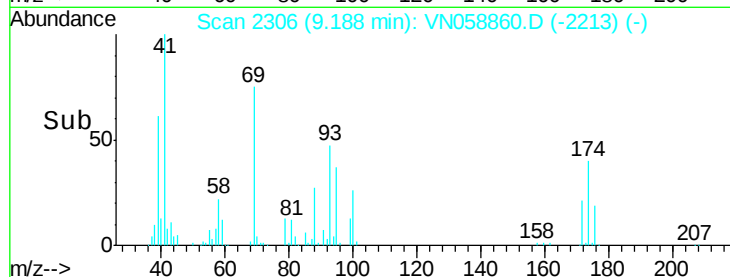
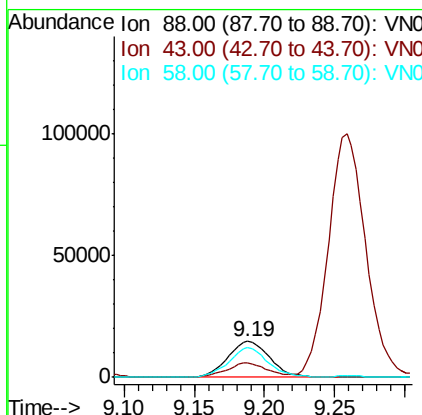
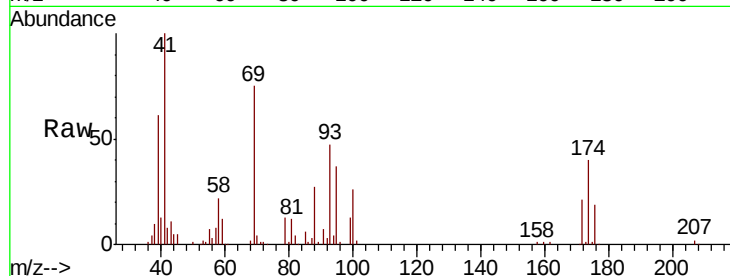
#49
1,4-Dioxane
Concen: 365.481 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.1	43.7
58	76.7	59.4	89.0

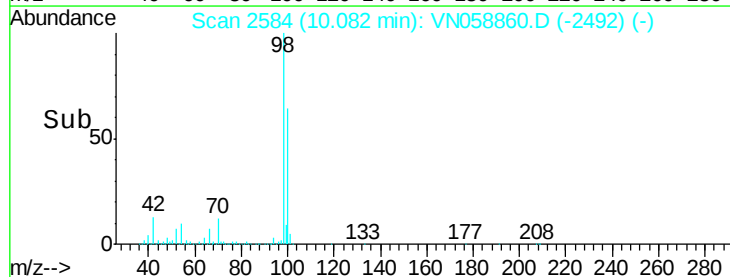
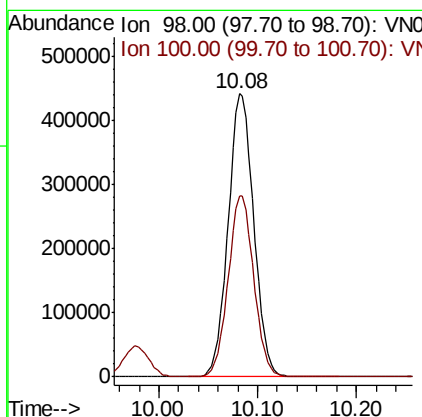
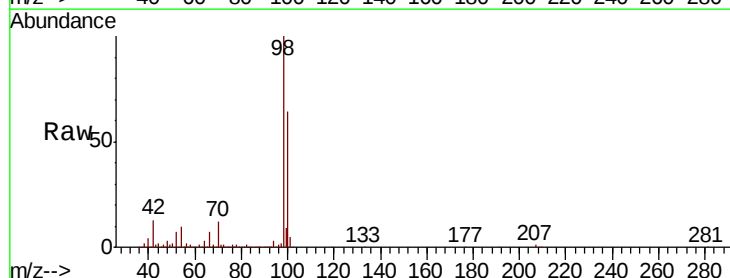
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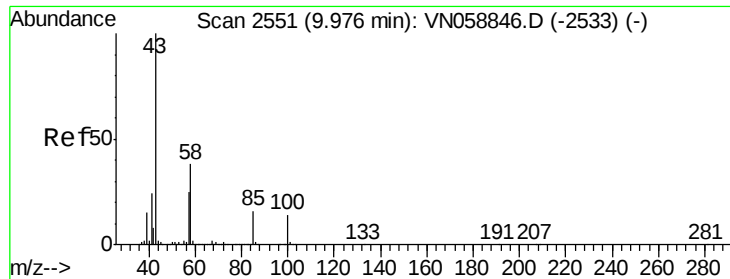
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#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 103.345 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 43 Resp: 685957

Ion Ratio Lower Upper

43 100

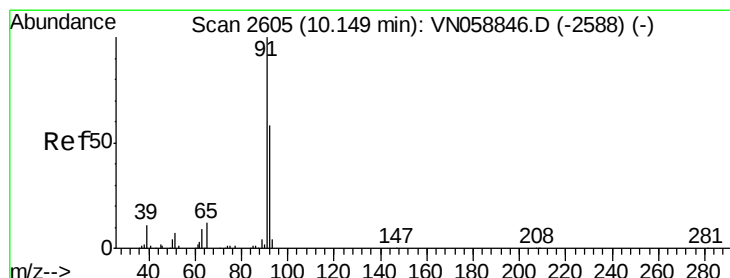
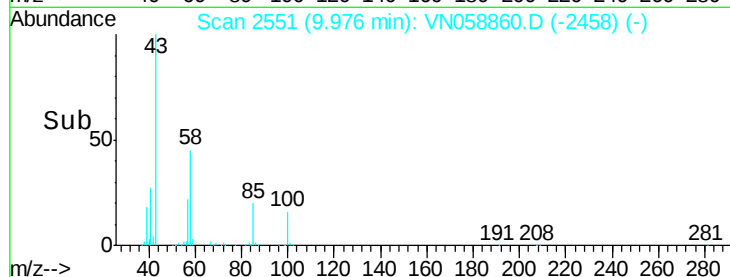
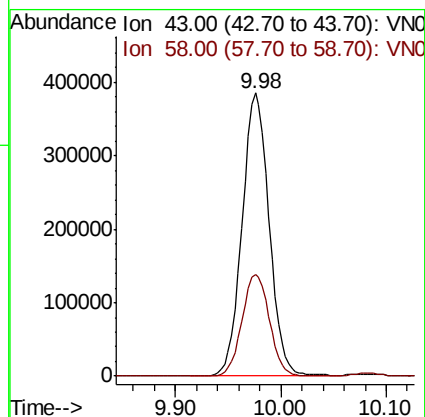
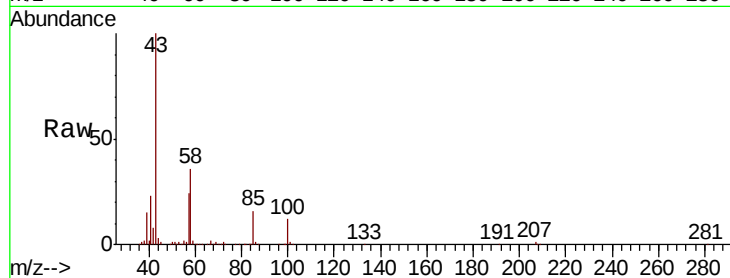
58 36.6 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 20.485 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058860.D

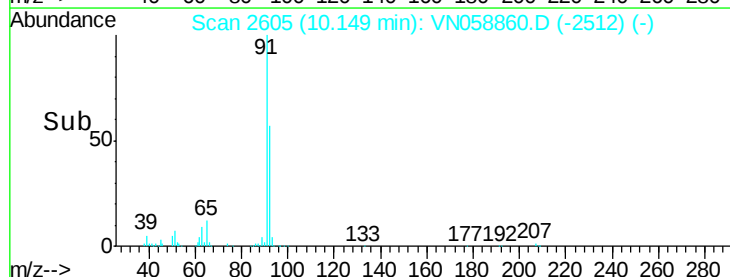
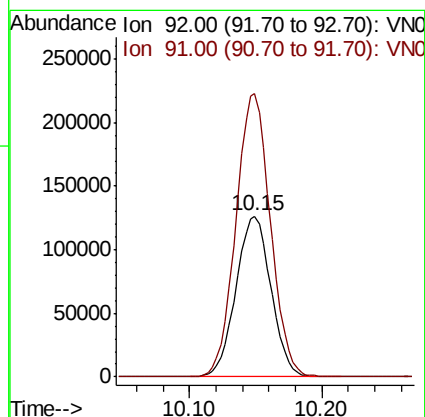
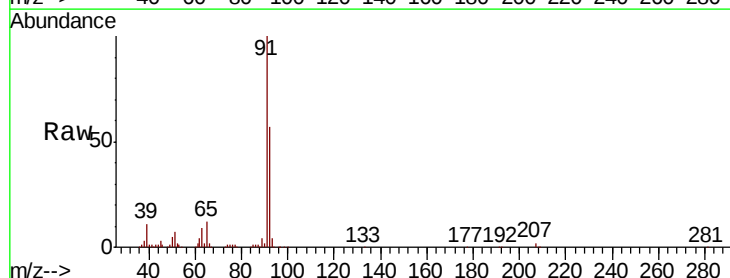
Acq: 18 Oct 2019 16:04

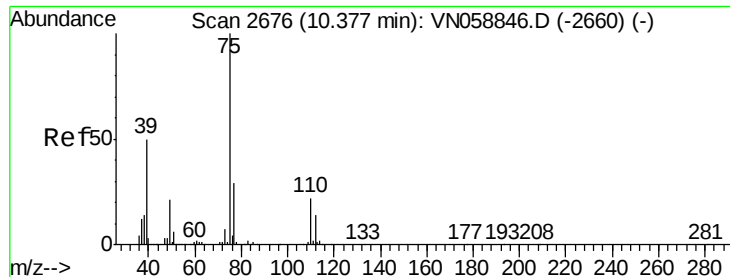
Tgt Ion: 92 Resp: 231973

Ion Ratio Lower Upper

92 100

91 173.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.362 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 75 Resp: 146240

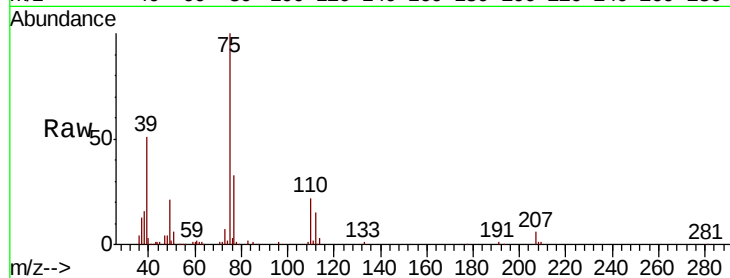
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

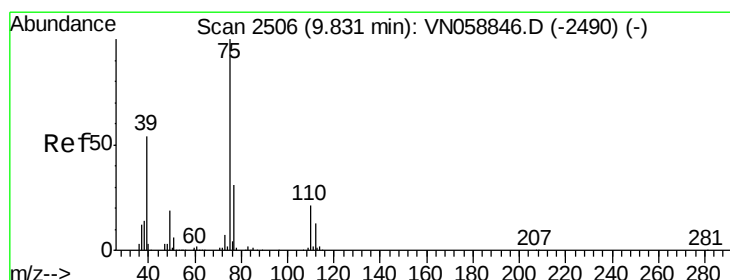
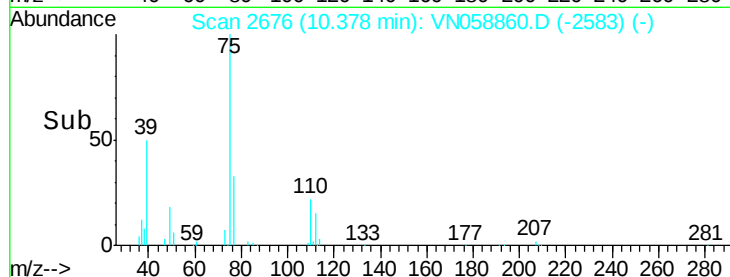
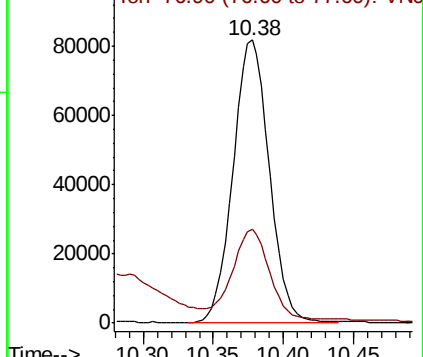
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.399 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

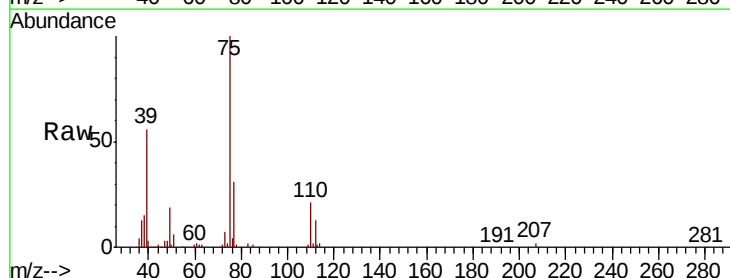
Tgt Ion: 75 Resp: 156534

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

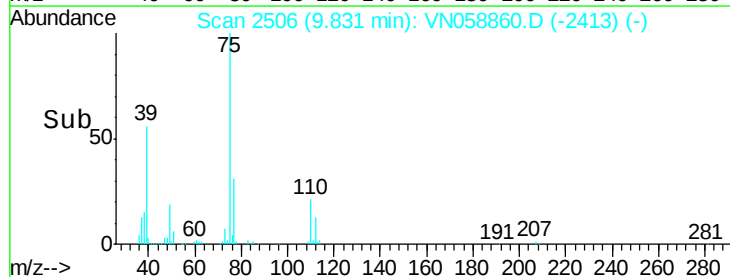
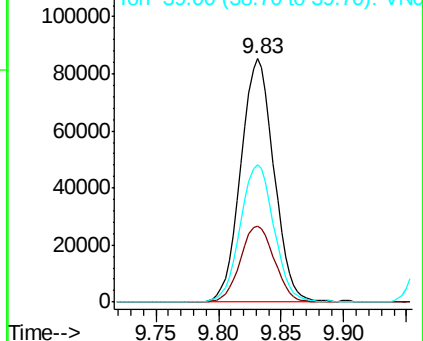
39 56.2 43.5 65.3

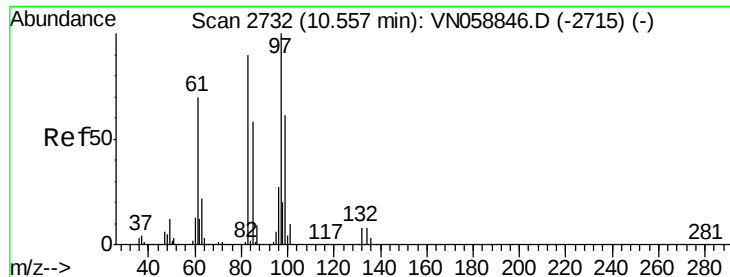


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.210 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

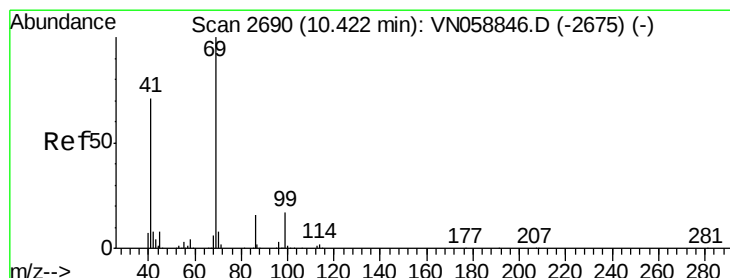
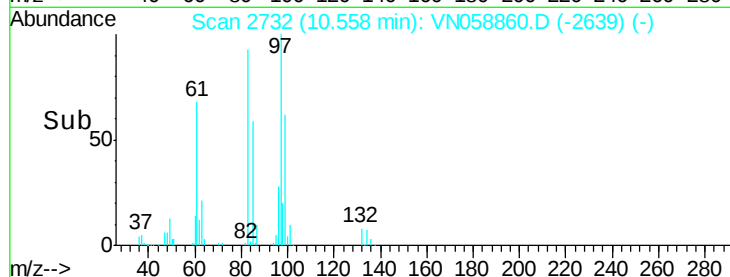
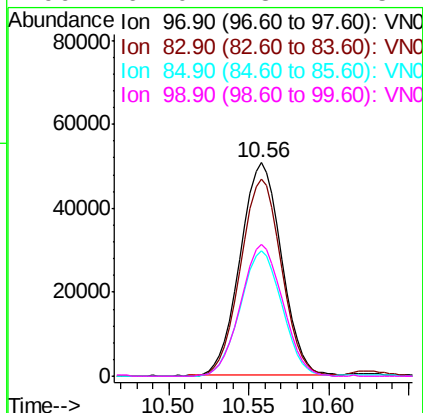
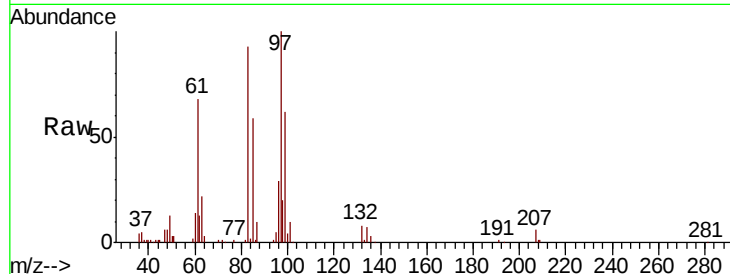
ClientSampleId :

VN1018WBSD01

Tot Ion:	97	Resp:	89615
Ion	Ratio	Lower	Upper
97	100		
83	92.9	72.2	108.4
85	58.7	46.2	69.2
99	62.0	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.627 ug/l

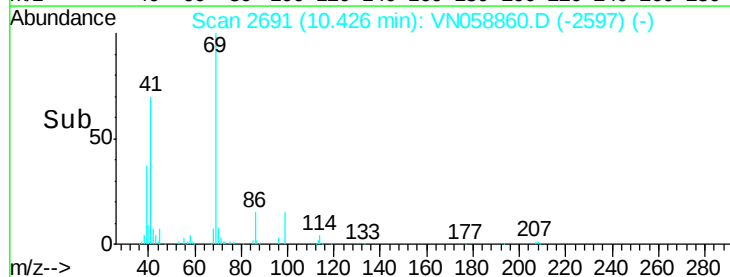
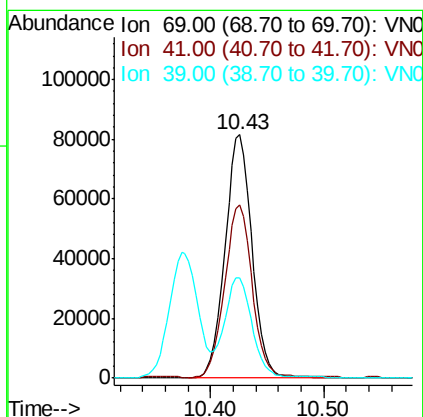
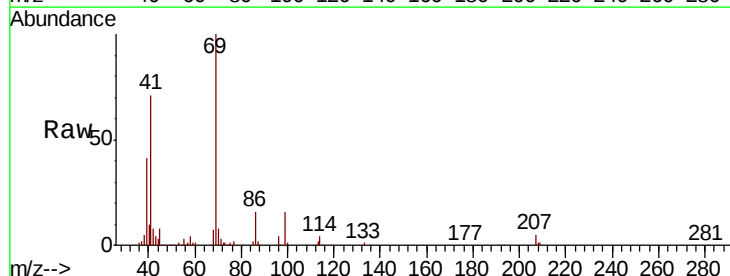
RT: 10.43 min Scan# 2691

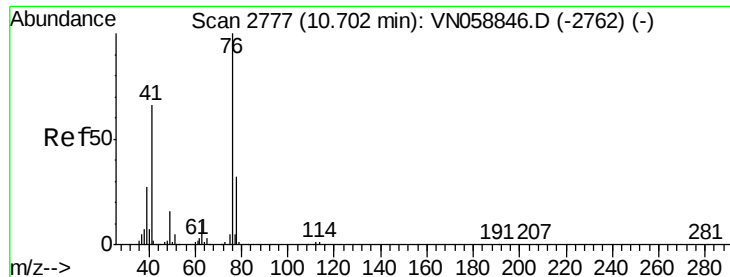
Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	69	Resp:	135202
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.2	85.8
39	41.8	31.0	46.4





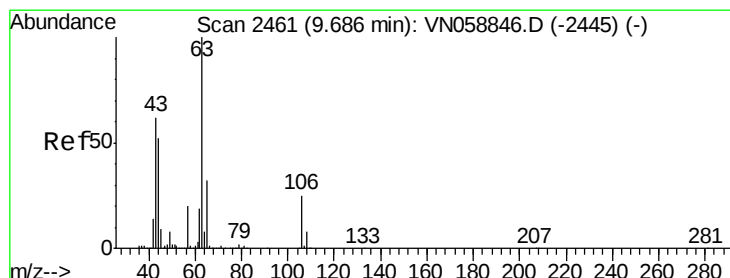
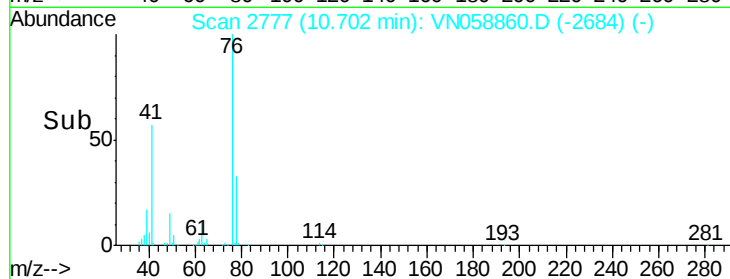
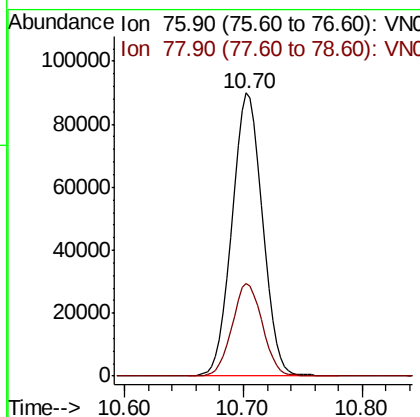
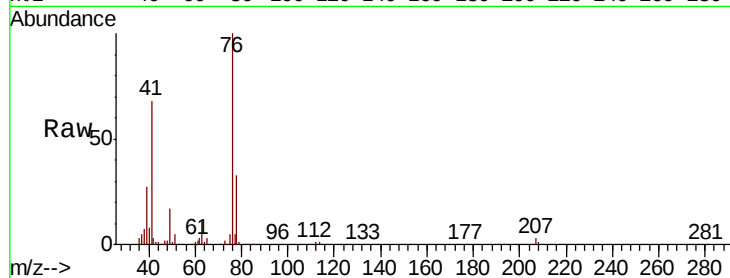
#57
 1,3-Dichloropropane
 Concen: 19.539 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.0

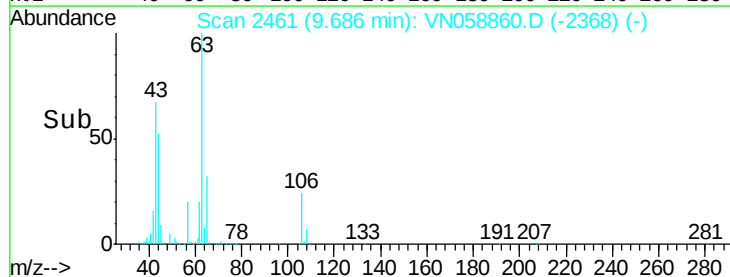
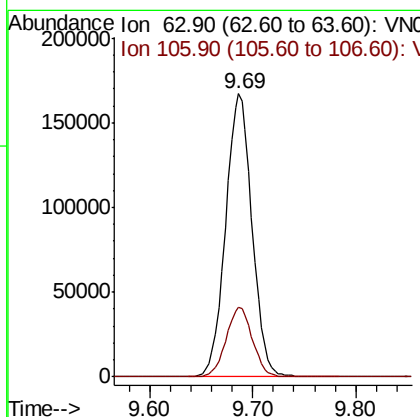
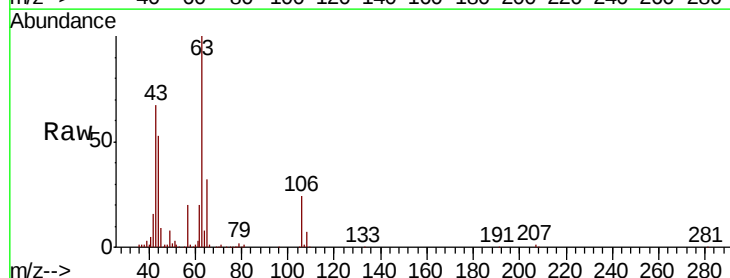
Manual Integrations
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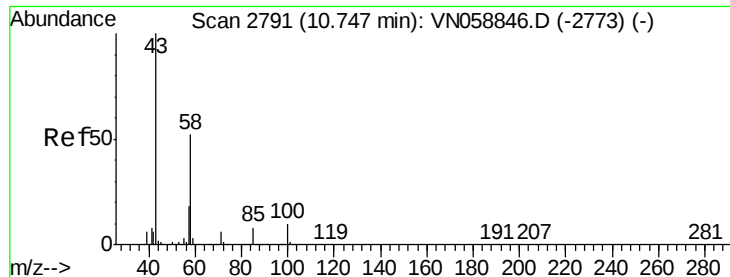
MMDadoda
 10/21/2019 10:43:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.517 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.8	29.8





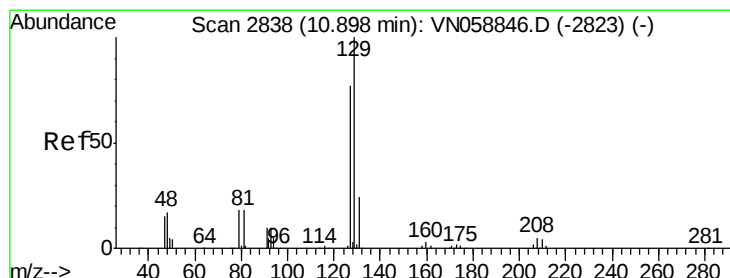
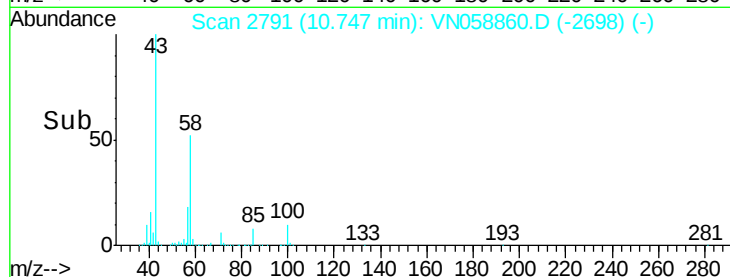
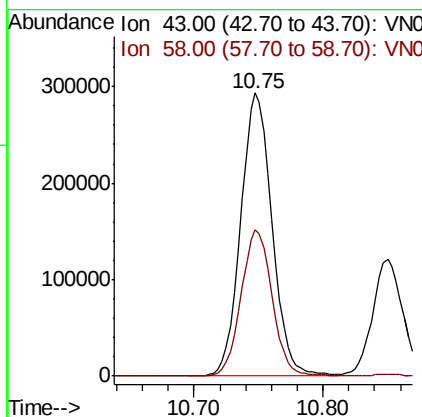
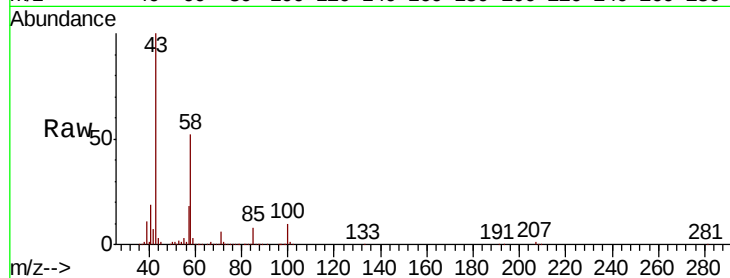
#59
2-Hexanone
Concen: 96.379 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion: 43 Resp: 494336
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

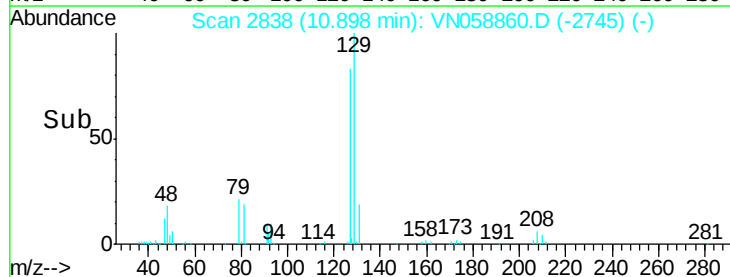
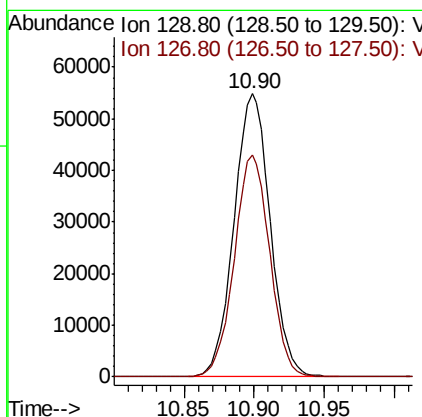
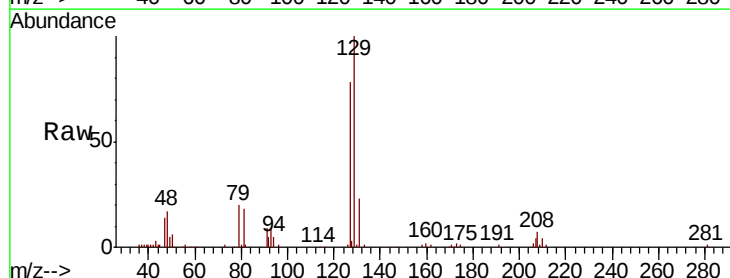
Manual Integrations
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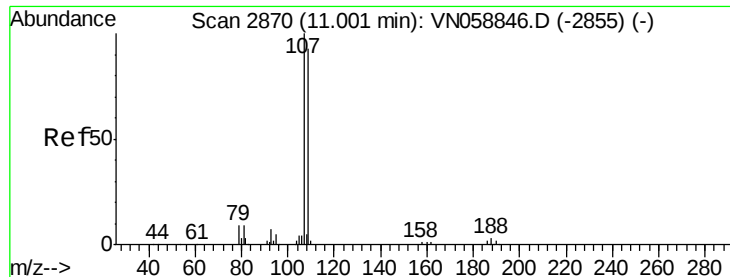
MMDadoda
10/21/2019 10:43:05 AM



#60
Dibromochloromethane
Concen: 19.652 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion: 129 Resp: 98675
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.3





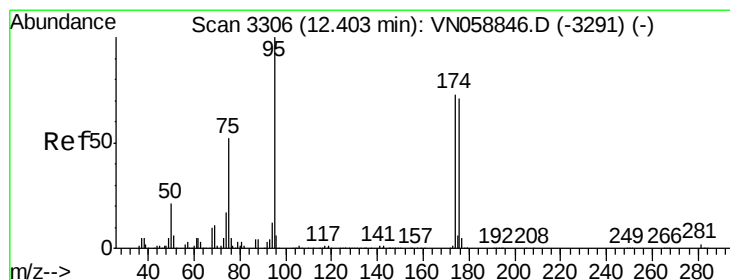
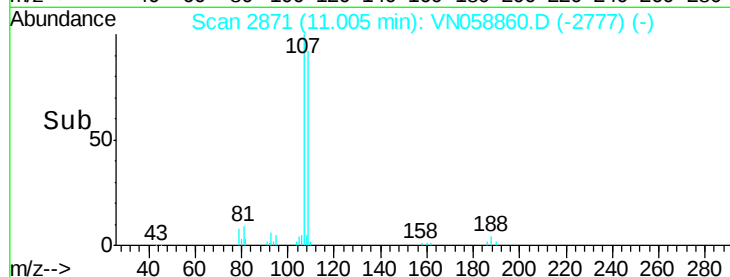
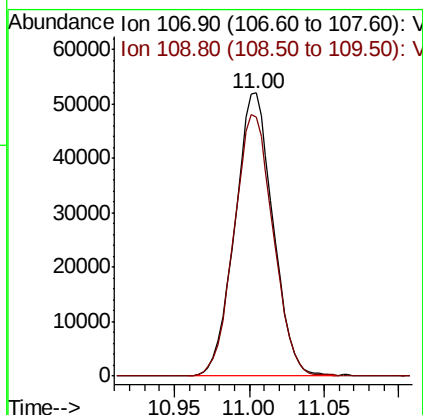
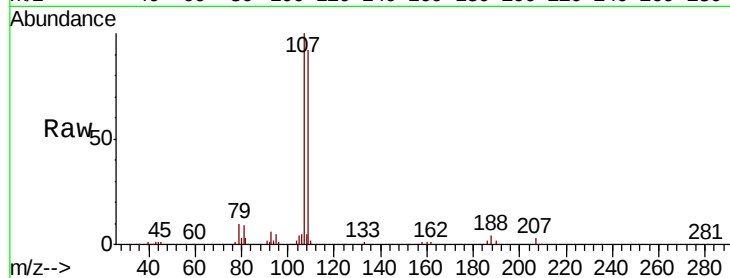
#61
 1,2-Dibromoethane
 Concen: 19.319 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion: 107 Resp: 92229
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8

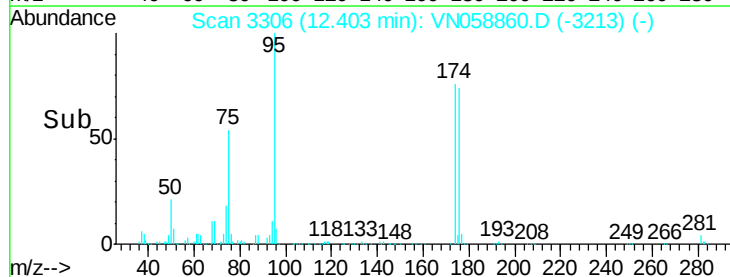
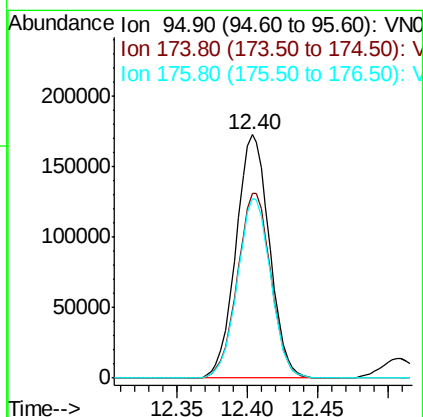
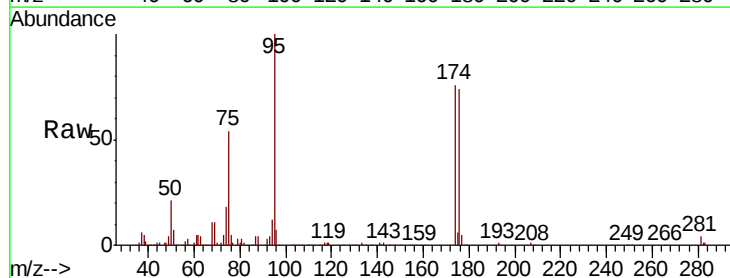
Manual Integrations
 APPROVED

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 10/21/2019 10:43:05 AM



#62
 4-Bromofluorobenzene
 Concen: 48.374 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion: 95 Resp: 287981
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 147.6
 176 73.4 0.0 143.2





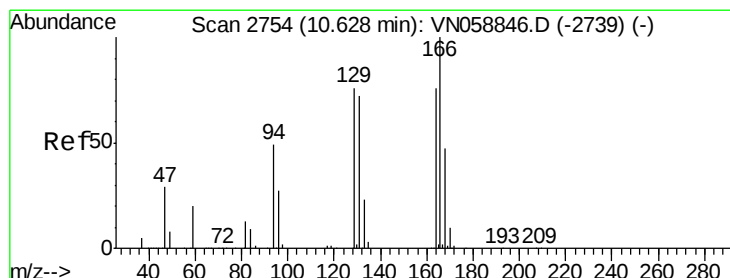
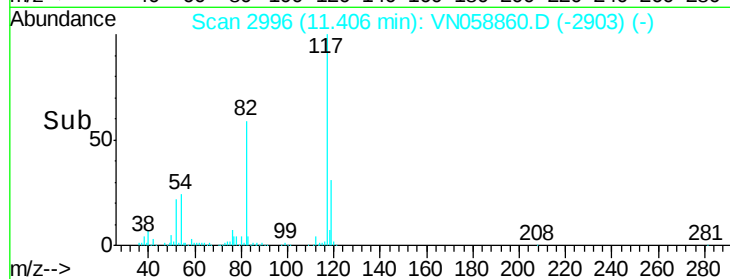
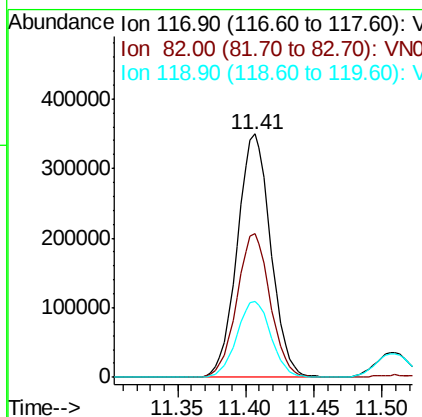
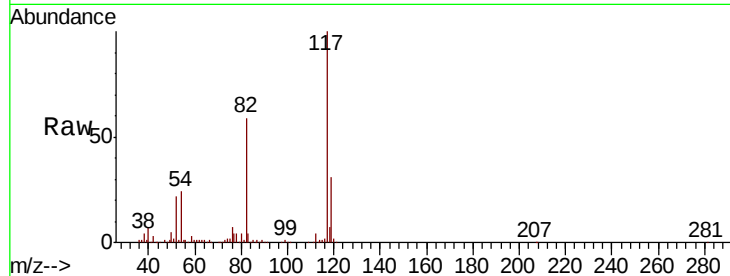
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.6	69.8
119	31.4	25.6	38.4

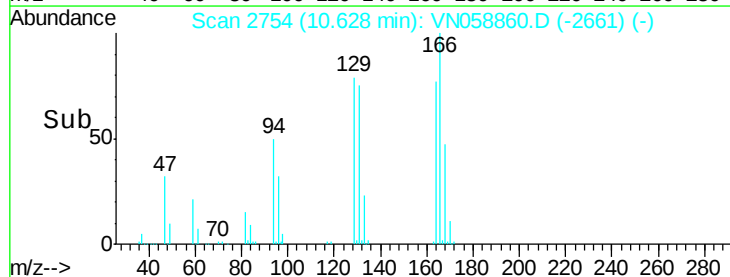
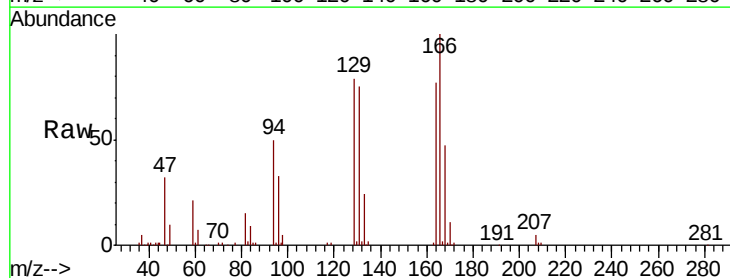
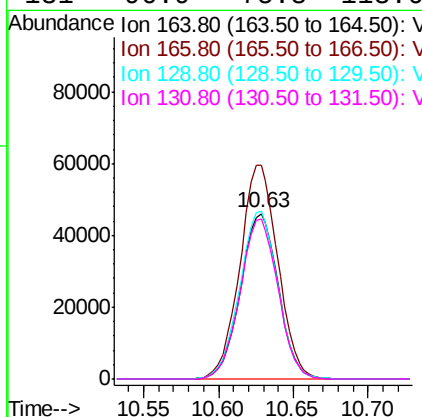
Manual Integrations
APPROVED

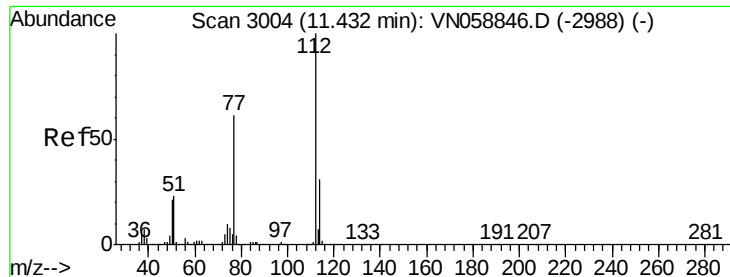
MMDadoda
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#64
Tetrachloroethene
Concen: 19.398 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.8	157.2
129	101.6	79.3	118.9
131	96.9	75.8	113.6





#65

Chlorobenzene

Concen: 19.845 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion:112 Resp: 240639

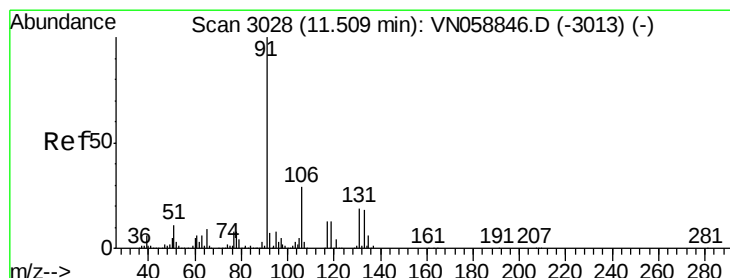
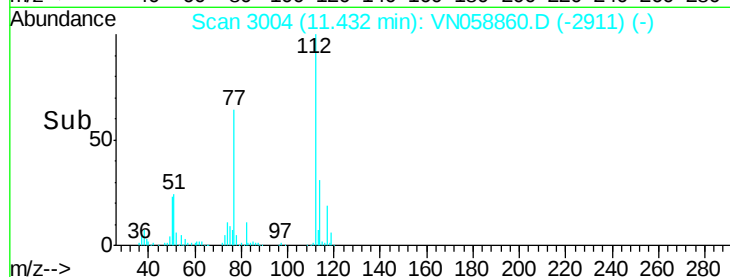
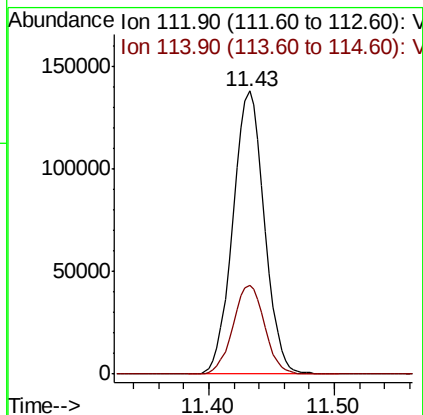
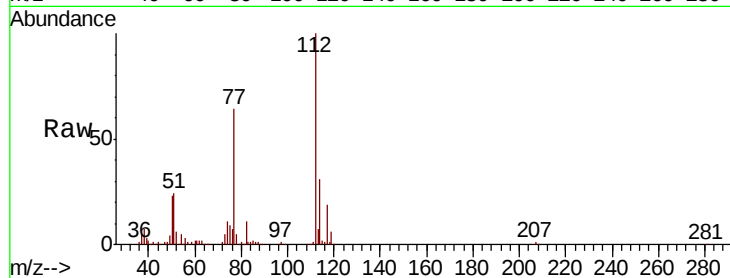
Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.999 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

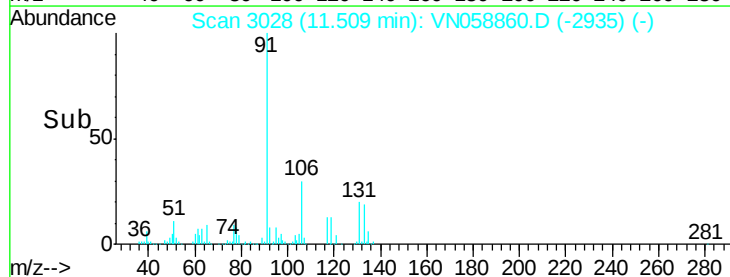
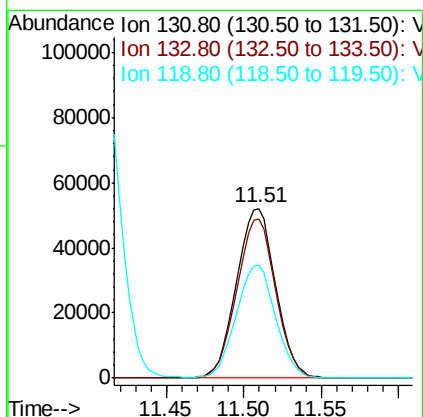
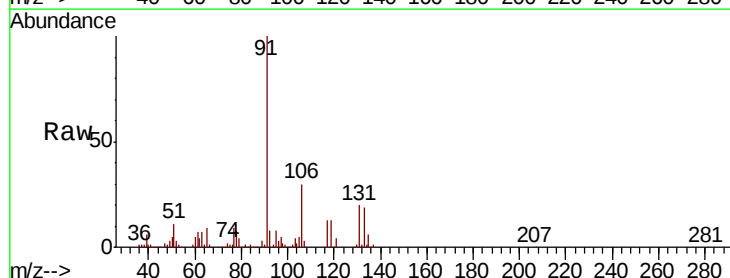
Tgt Ion:131 Resp: 91508

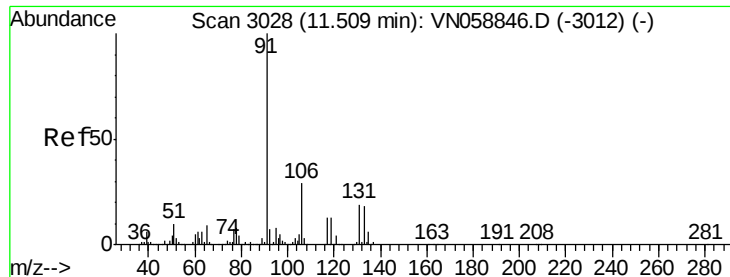
Ion Ratio Lower Upper

131 100

133 93.4 48.4 145.2

119 67.1 33.6 100.8





#67

Ethyl Benzene

Concen: 20.348 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 91 Resp: 432830

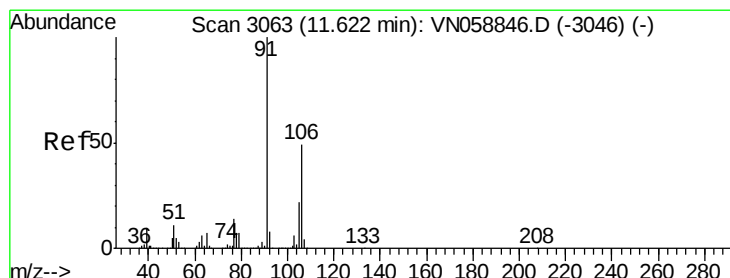
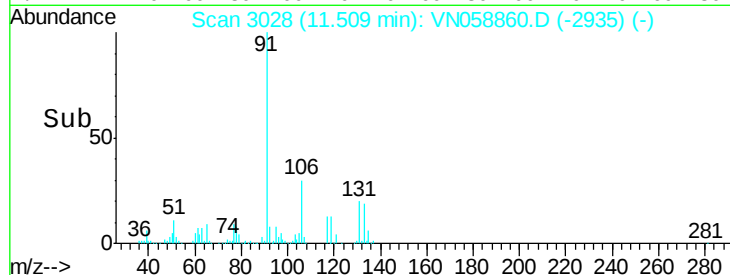
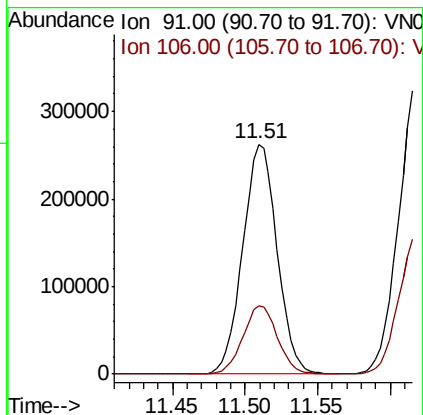
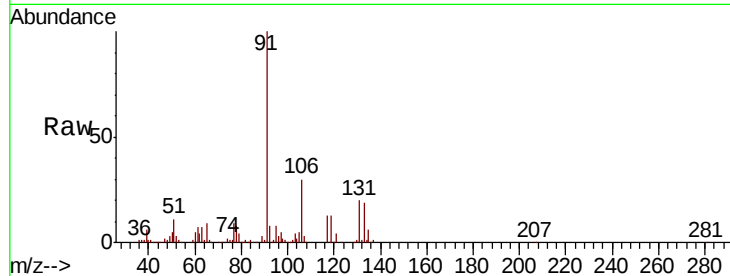
Ion Ratio Lower Upper

91 100

106 29.7 23.4 35.0

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#68

m/p-Xylenes

Concen: 40.959 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058860.D

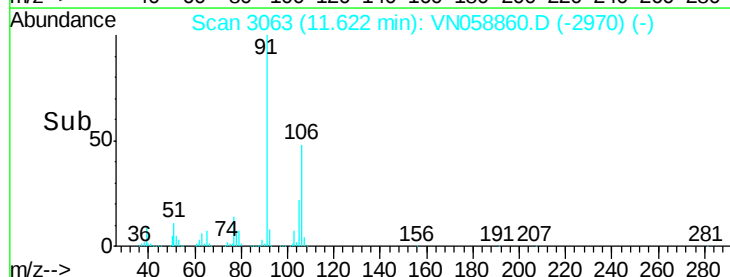
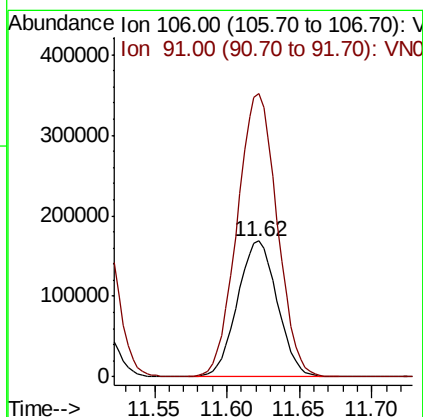
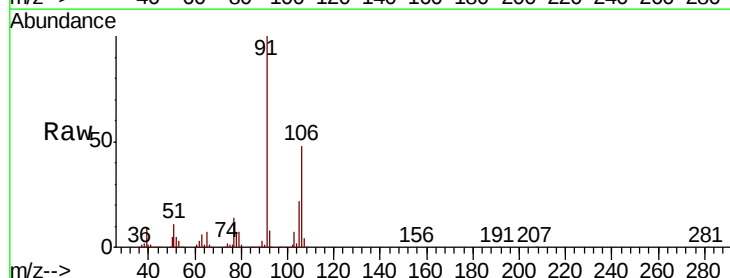
Acq: 18 Oct 2019 16:04

Tgt Ion: 106 Resp: 323104

Ion Ratio Lower Upper

106 100

91 208.3 166.6 249.8





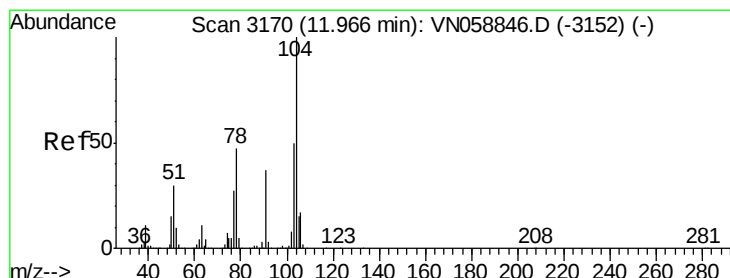
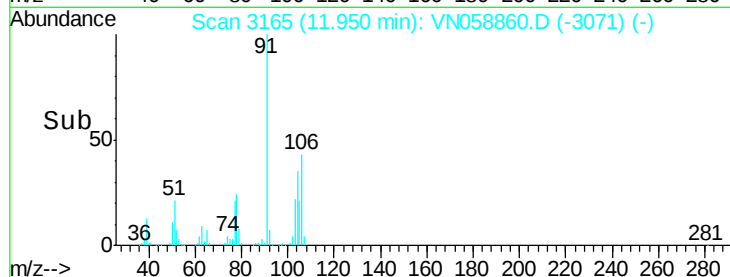
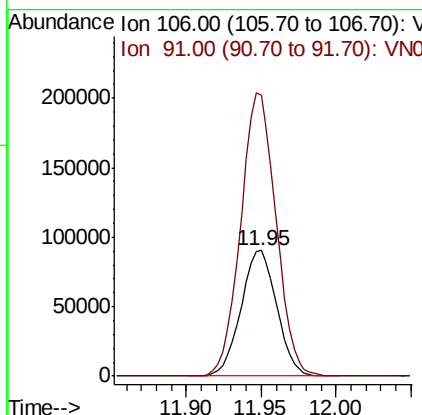
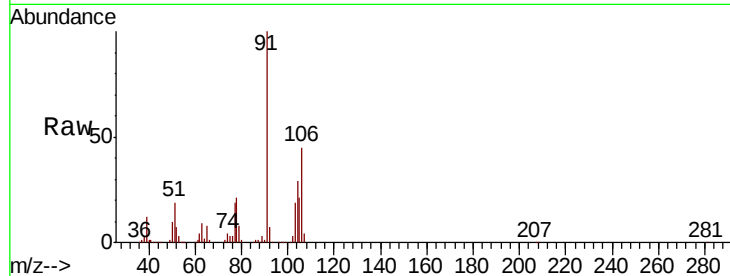
#69
o-Xylene
Concen: 20.016 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	222.5	111.5	334.4

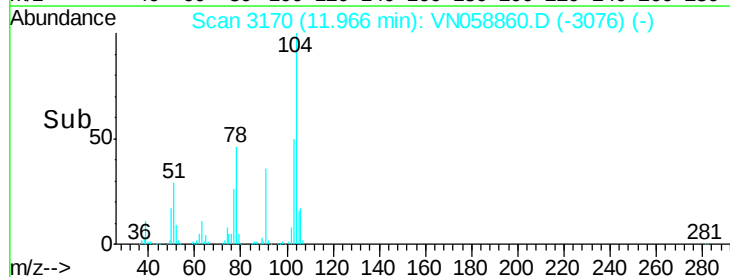
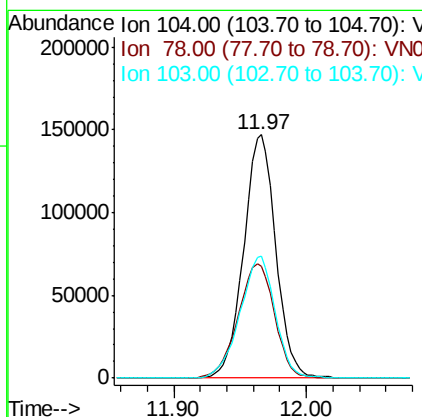
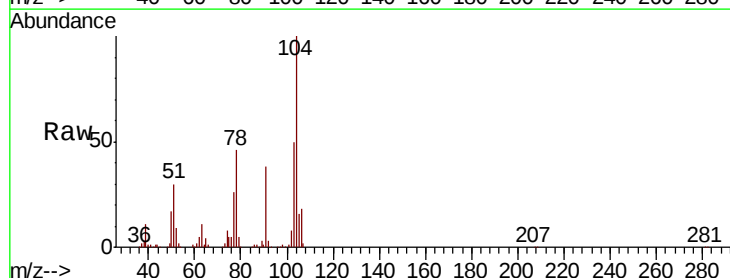
Manual Integrations
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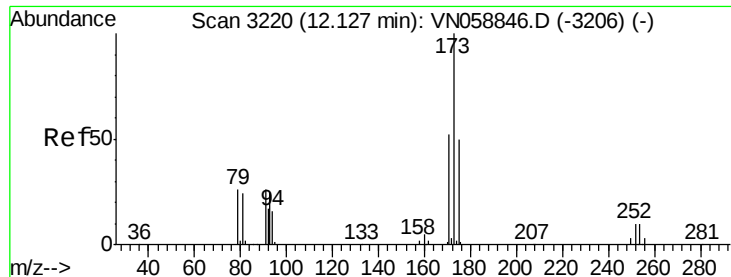
MMDadoda
10/21/2019 10:43:05 AM



#70
Styrene
Concen: 18.960 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	53.5	42.8	64.2
103	103	54.8	44.3	66.5





#71

Bromoform

Concen: 18.362 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

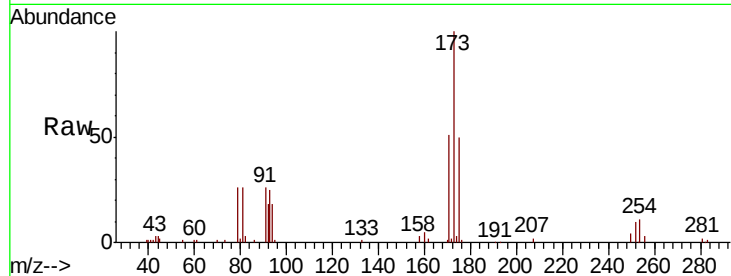
ClientSampleId :

VN1018WBSD01

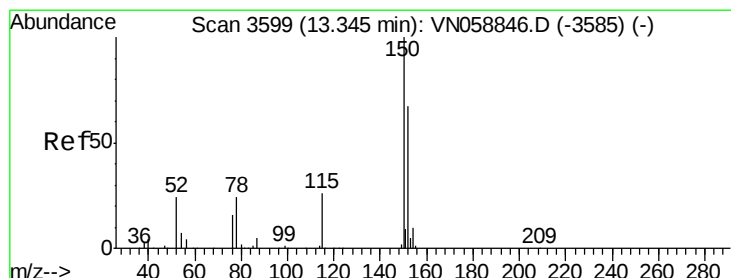
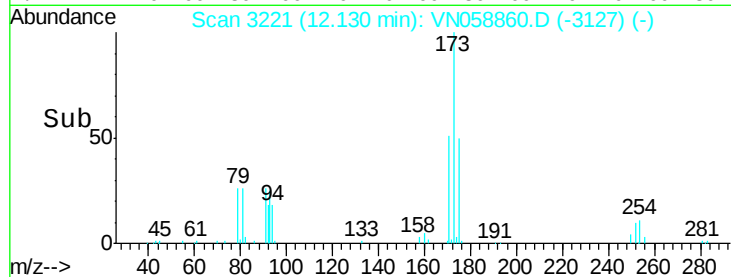
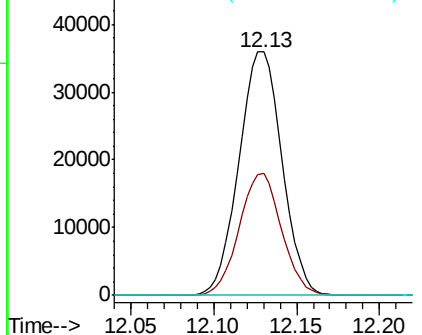
Tot Ion:	173	Resp:	65154
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

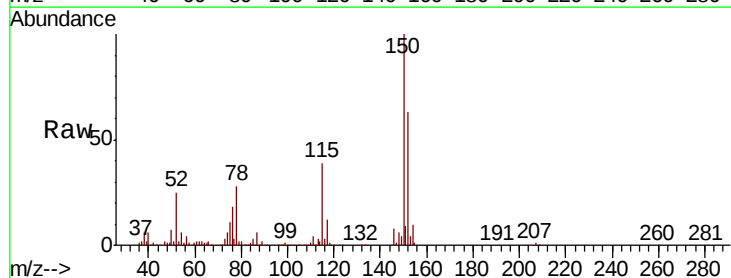
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

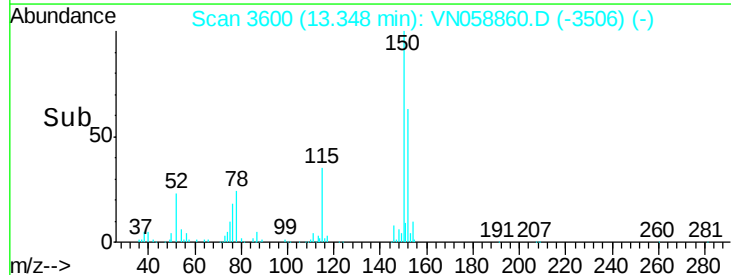
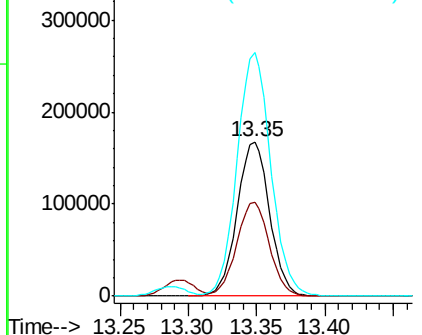
Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	152	Resp:	277165
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.5	91.5
150	164.0	0.0	344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.561 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion:105 Resp: 416479

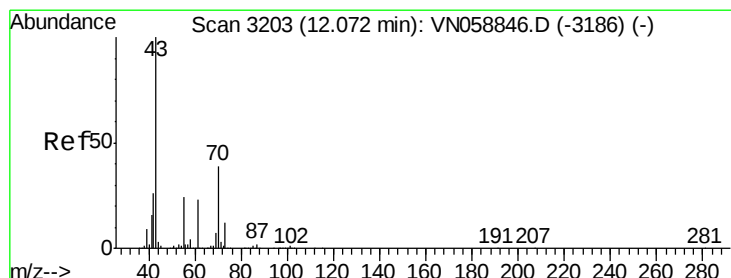
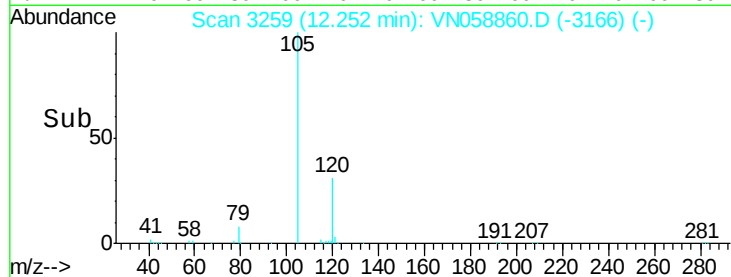
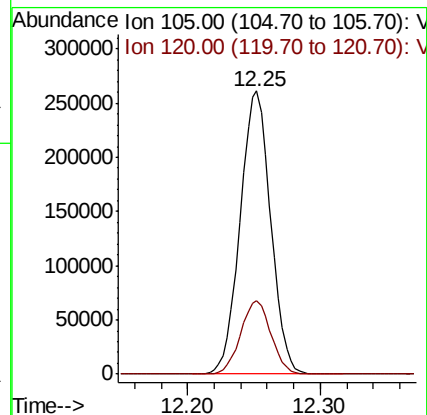
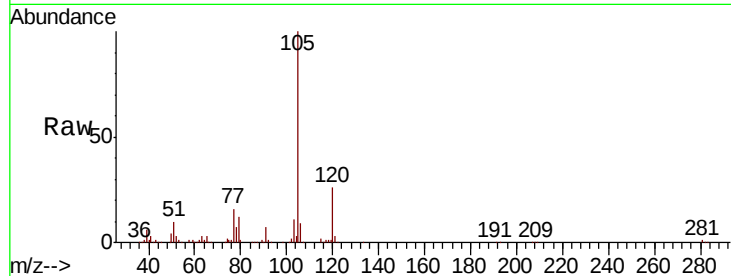
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.006 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion: 43 Resp: 183715

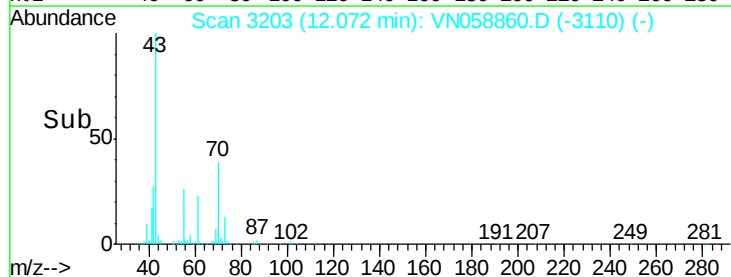
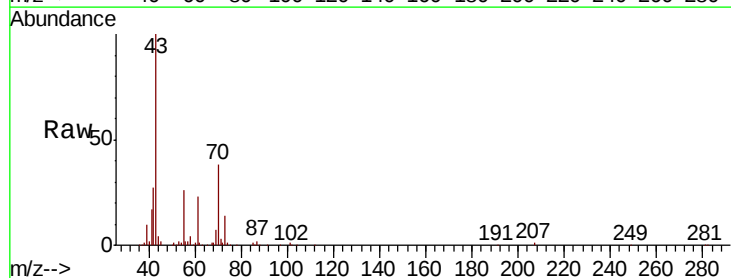
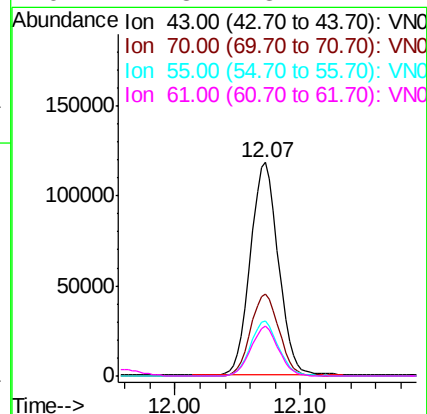
Ion Ratio Lower Upper

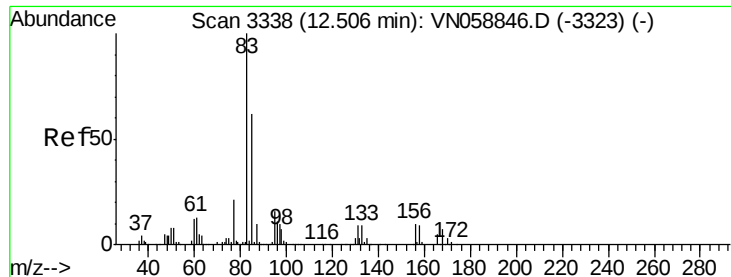
43 100

70 39.2 30.9 46.3

55 25.8 19.7 29.5

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.022 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 83 Resp: 142603

Ion Ratio Lower Upper

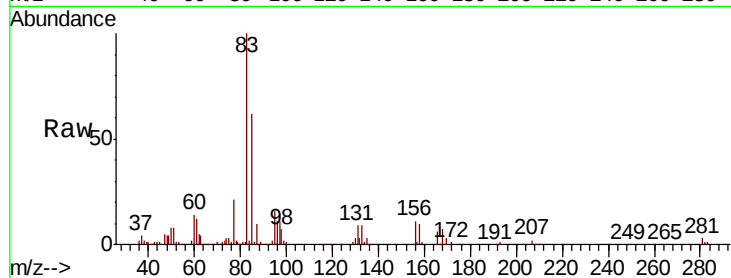
83 100

131 9.4 4.7 14.1

85 62.8 31.7 95.1

Manual Integrations
APPROVED

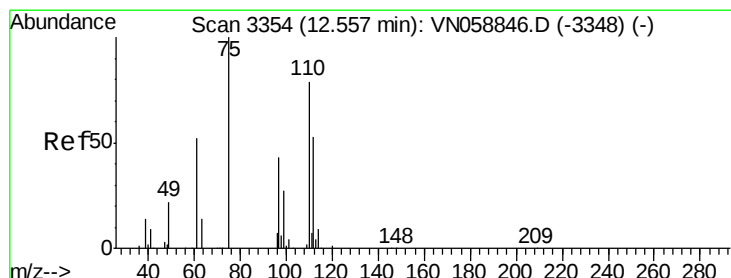
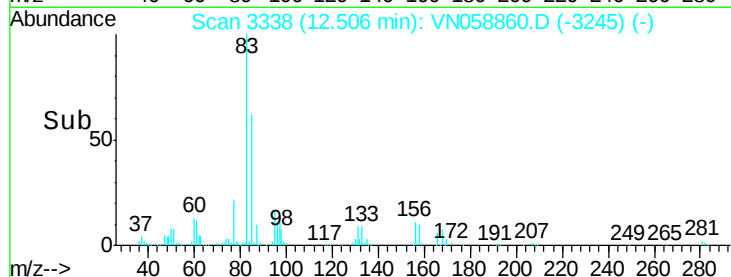
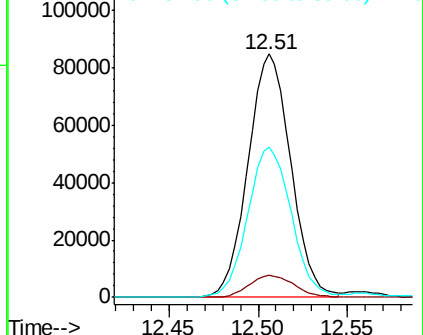
MMDadoda
10/21/2019 10:43:05 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.595 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058860.D

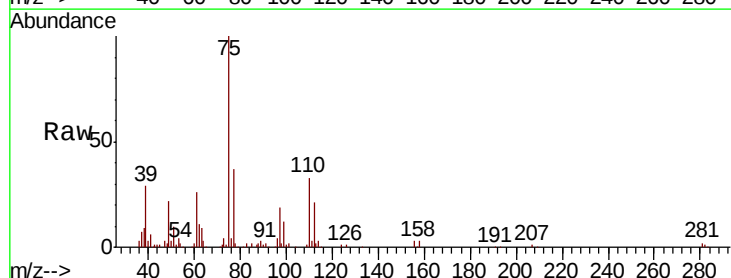
Acq: 18 Oct 2019 16:04

Tgt Ion: 75 Resp: 119447

Ion Ratio Lower Upper

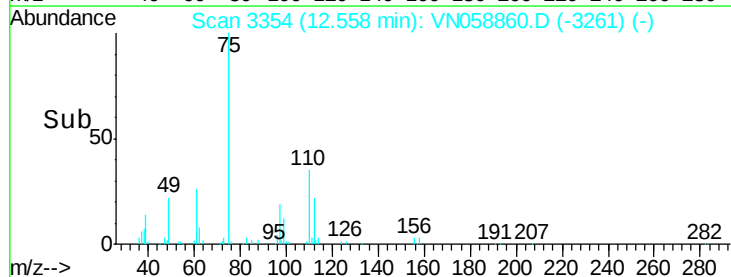
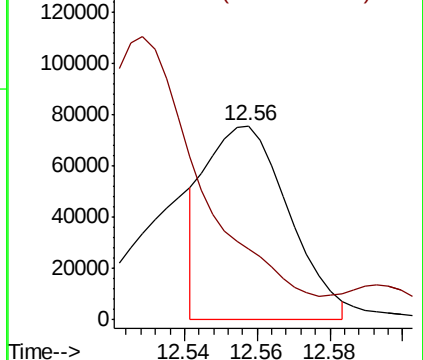
75 100

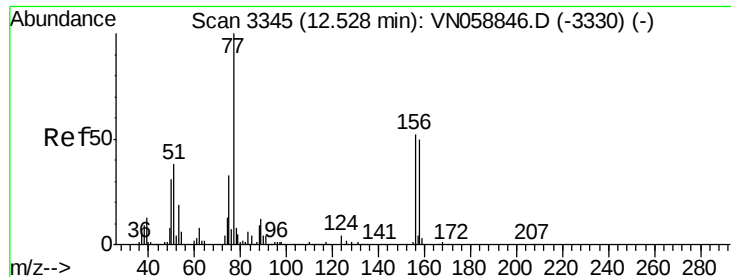
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





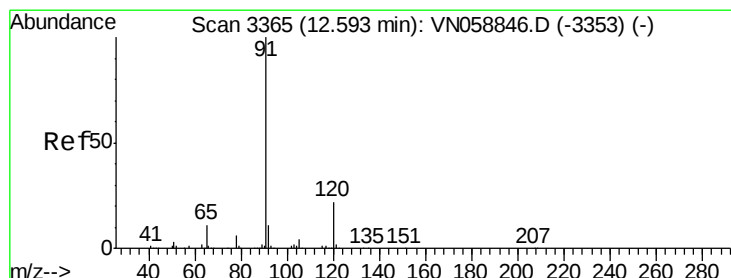
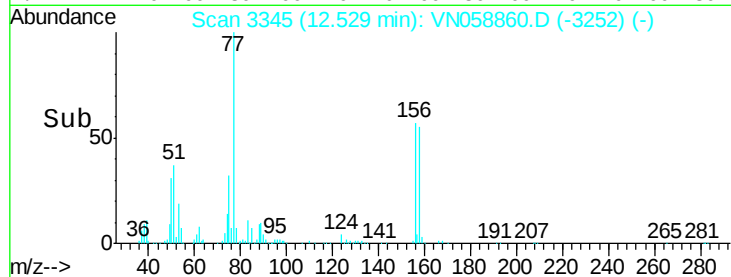
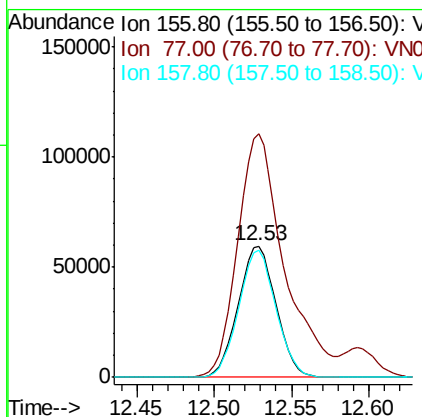
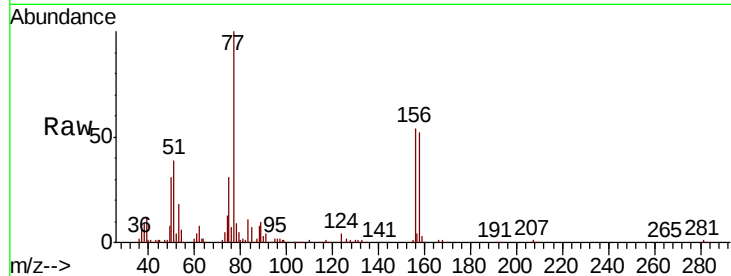
#77
Bromobenzene
Concen: 20.254 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.7	118.0	354.0
158	95.7	48.3	144.8

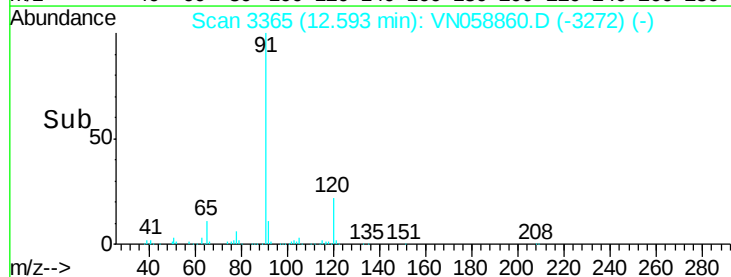
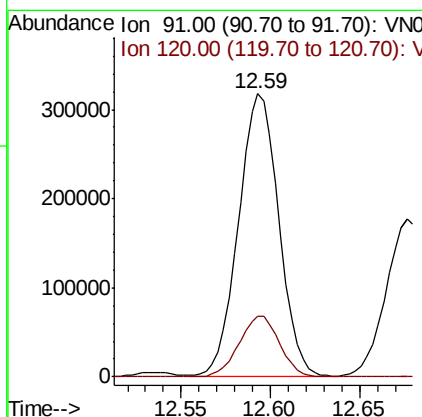
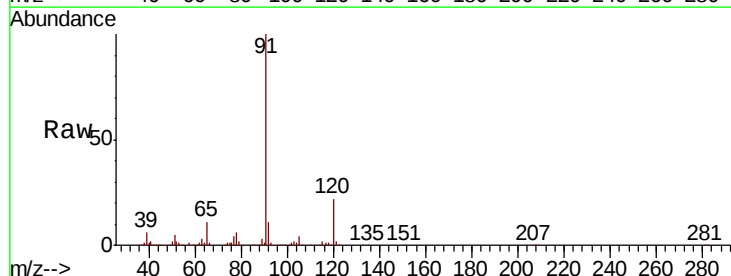
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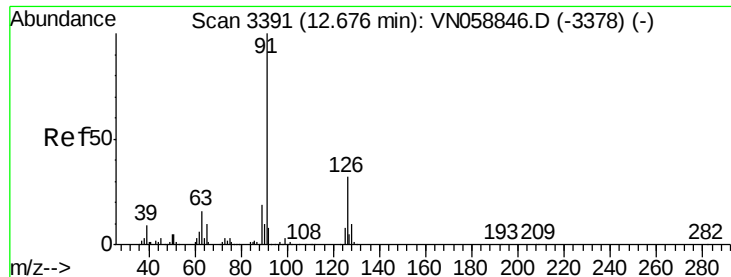
MMDadoda
10/21/2019 10:43:05 AM



#78
n-propylbenzene
Concen: 20.703 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.896 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion: 91 Resp: 291556

Ion Ratio Lower Upper

91 100

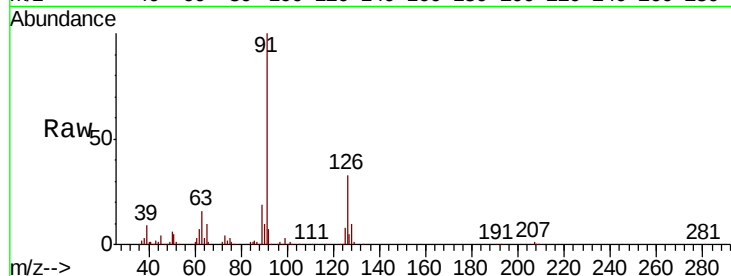
126 32.6 16.2 48.6

Manual Integrations

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10/21/2019 10:43:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058860.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058860.D (-3298) (-)

300000

250000

200000

150000

100000

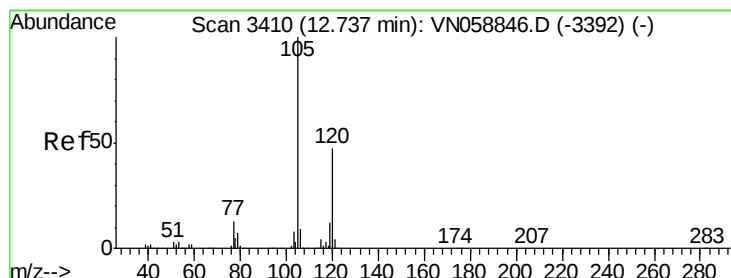
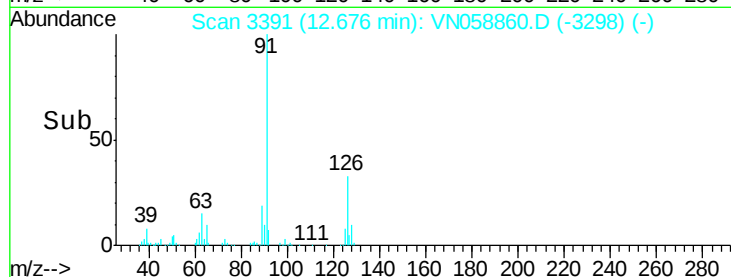
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.865 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058860.D

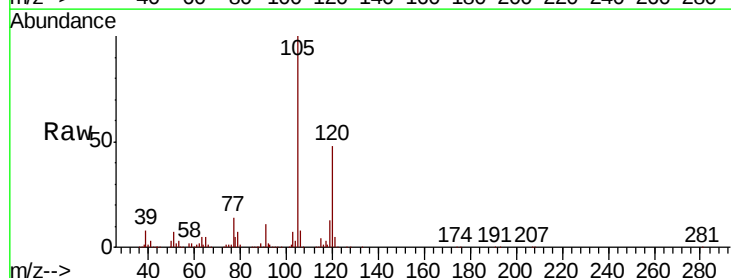
Acq: 18 Oct 2019 16:04

Tgt Ion: 105 Resp: 355088

Ion Ratio Lower Upper

105 100

120 47.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058860.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058860.D (-3317) (-)

250000

200000

150000

100000

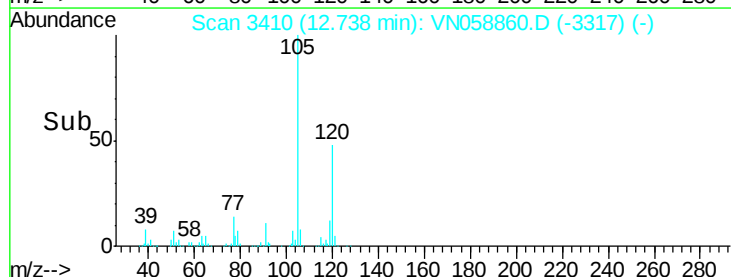
50000

0

12.70

12.80

Time-->





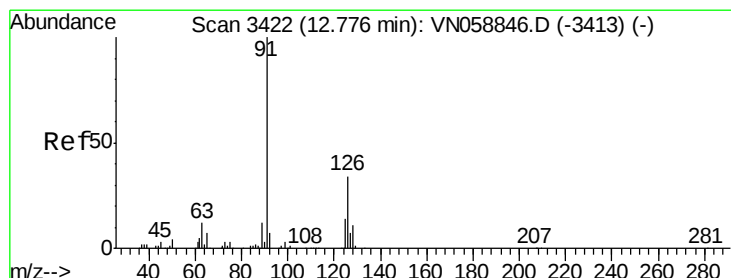
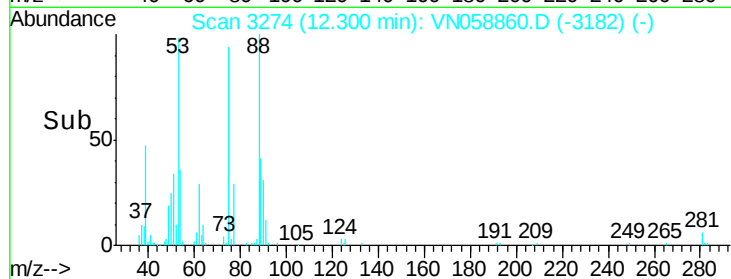
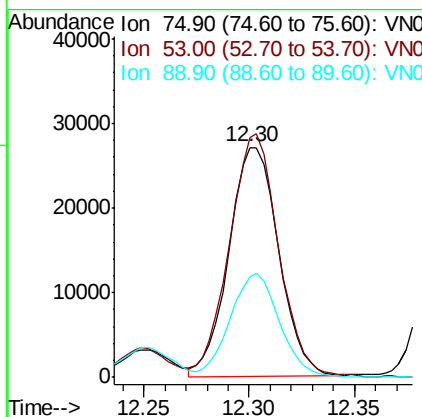
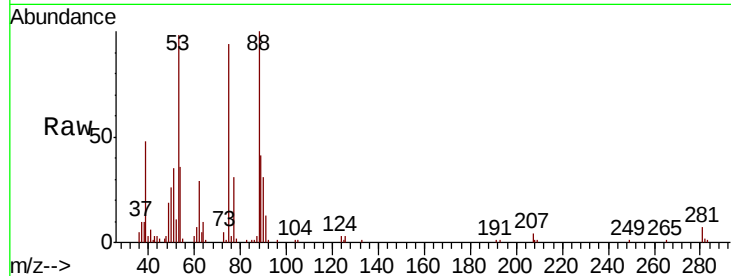
#81
trans-1,4-Dichloro-2-butene
Concen: 17.908 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	78.6	118.0
89	45.2	35.4	53.0

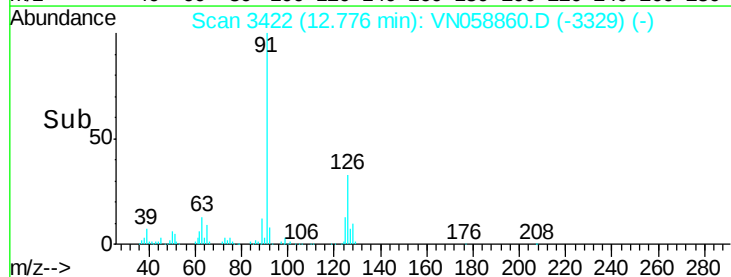
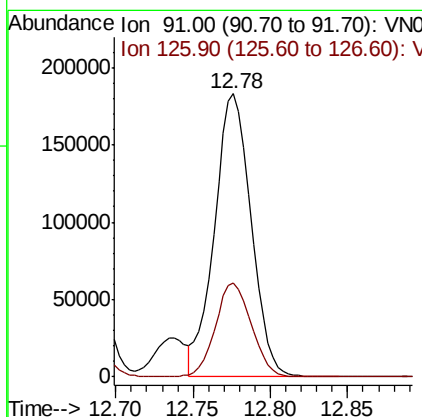
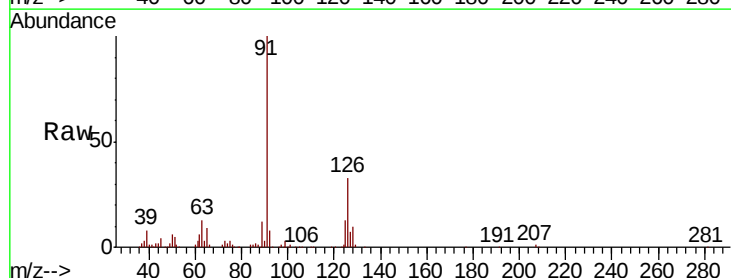
Manual Integrations
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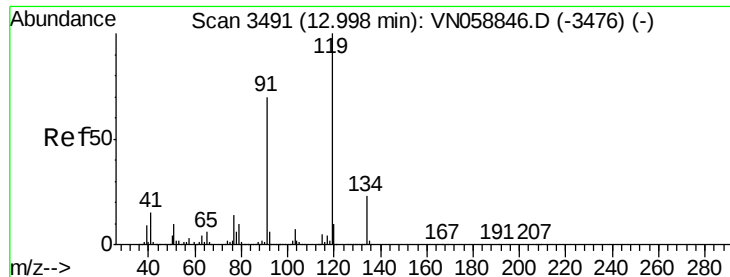
MMDadoda
10/21/2019 10:43:05 AM



#82
4-Chlorotoluene
Concen: 20.072 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	47.9





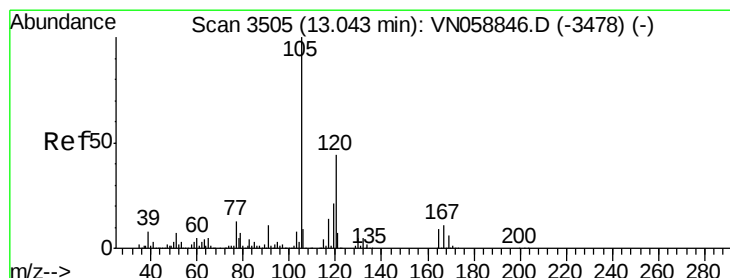
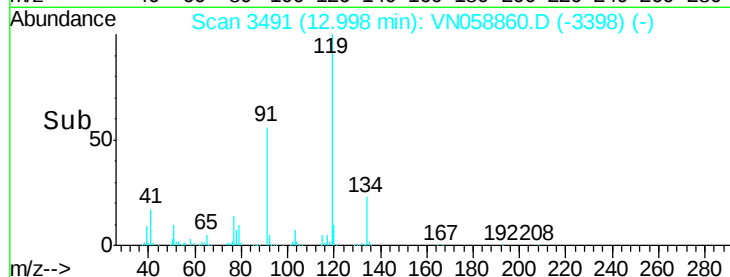
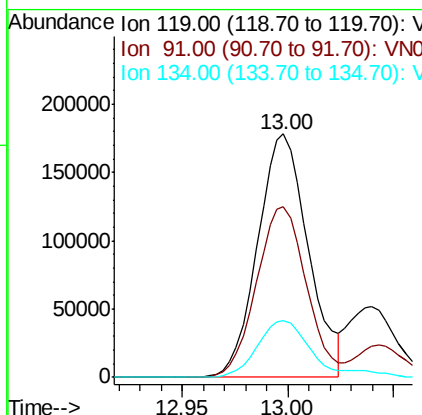
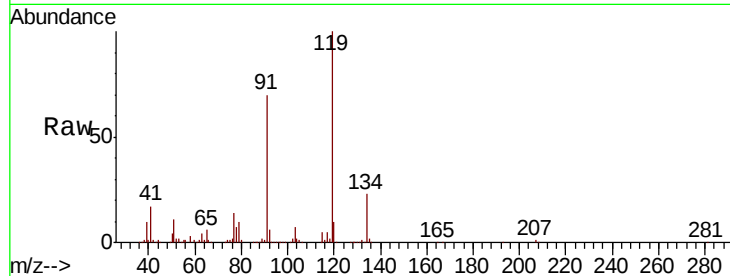
#83
 tert-Butylbenzene
 Concen: 20.420 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	25.6	11.6	34.8

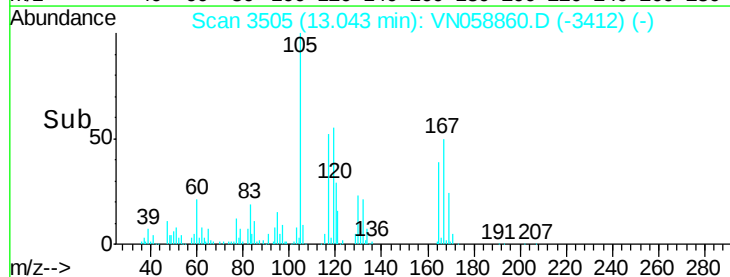
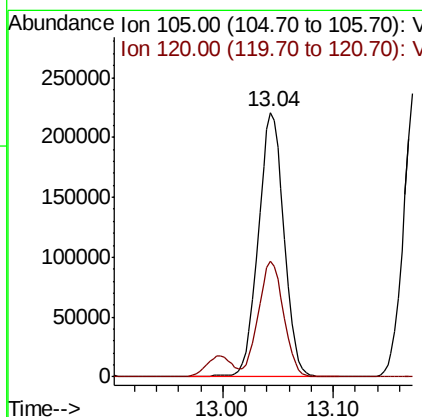
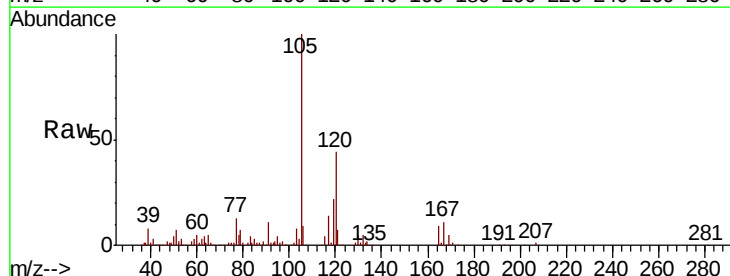
Manual Integrations
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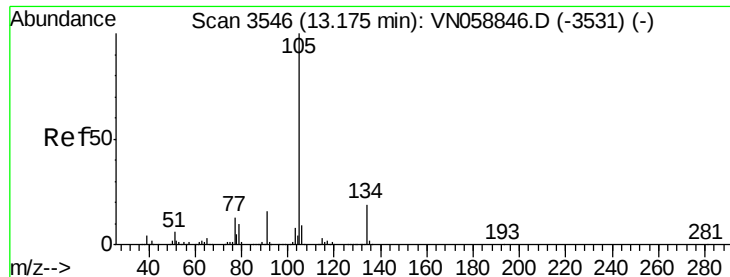
MMDadoda
 10/21/2019 10:43:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.220 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.8





#85

sec-Butylbenzene

Concen: 20.763 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tot Ion:105 Resp: 402864

Ion Ratio Lower Upper

105 100

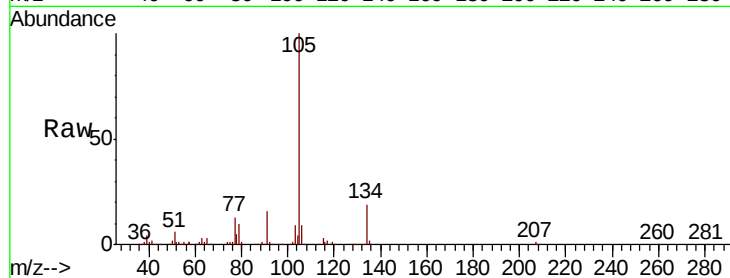
134 19.6 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

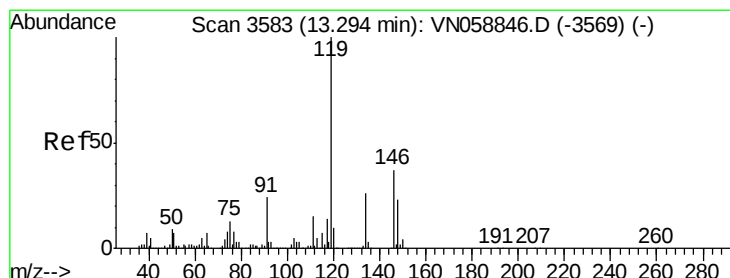
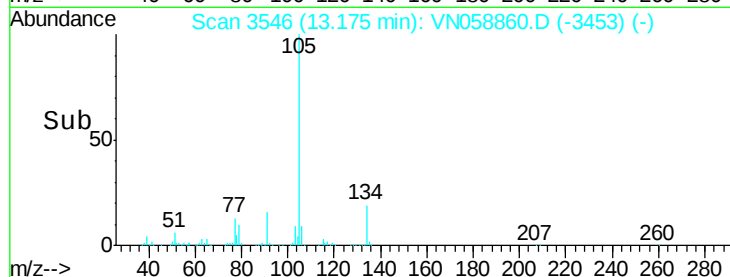
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.747 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

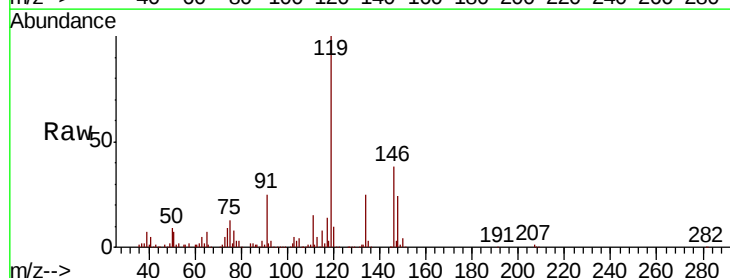
Tgt Ion:119 Resp: 355193

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

250000

200000

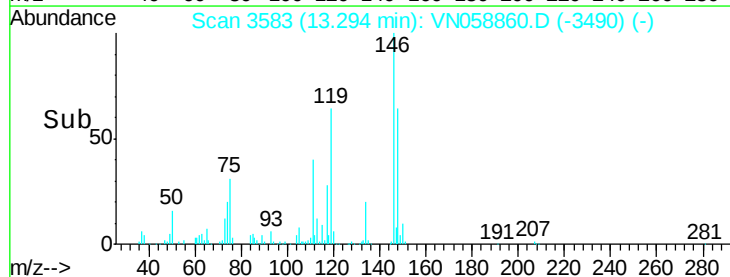
150000

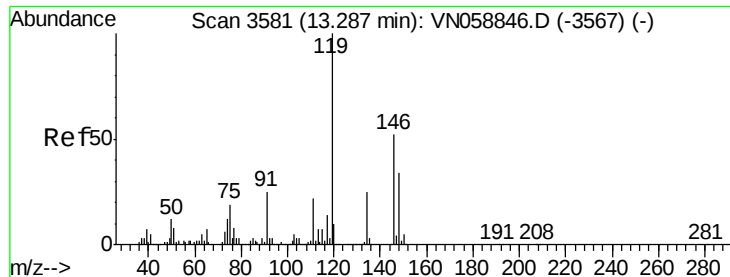
100000

50000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.975 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058860.D

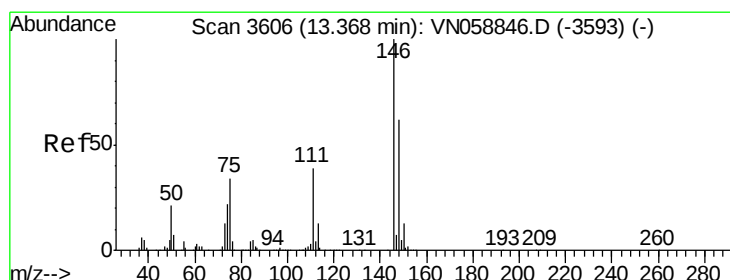
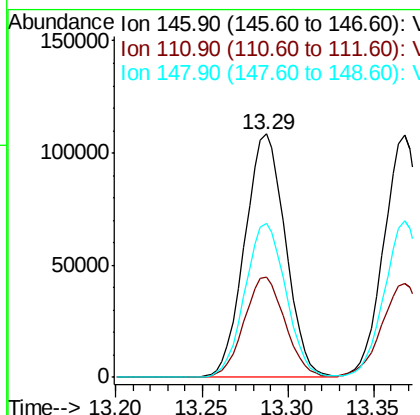
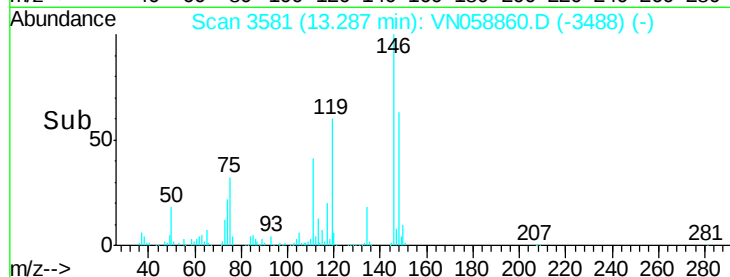
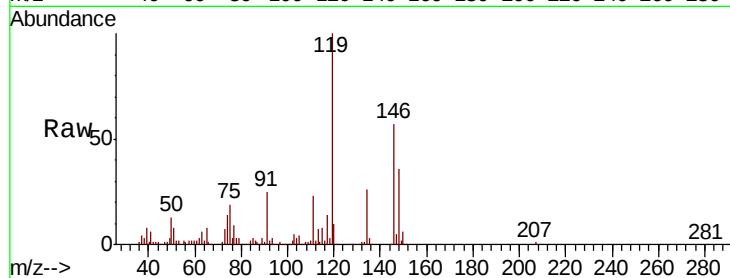
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	63.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.451 ug/l

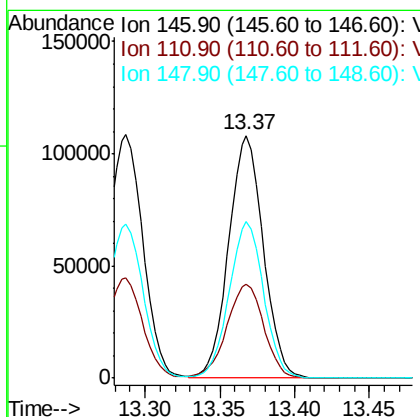
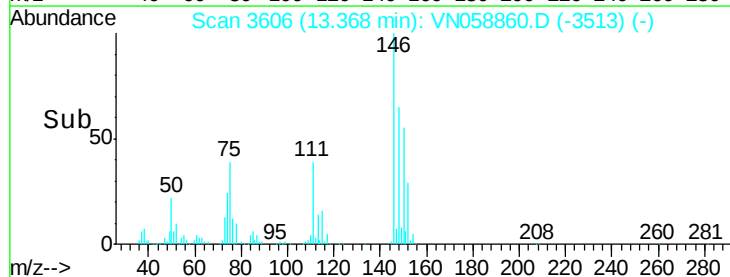
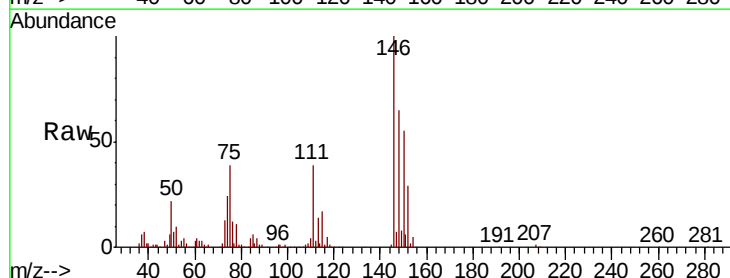
RT: 13.37 min Scan# 3606

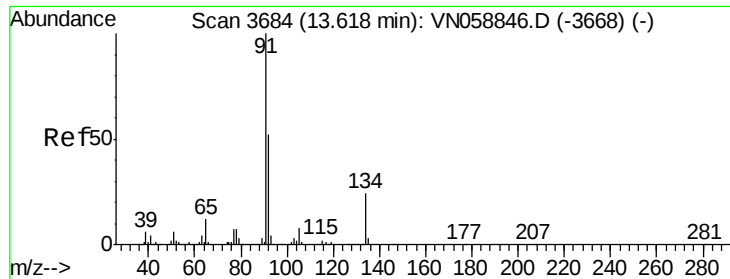
Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.6
148	64.8	31.6	94.7





#89

n-Butylbenzene

Concen: 19.972 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Instrument :

MSVOA_N

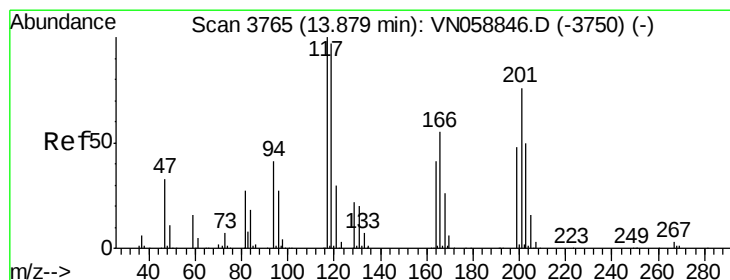
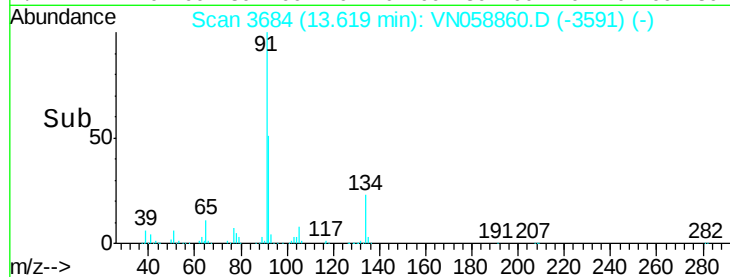
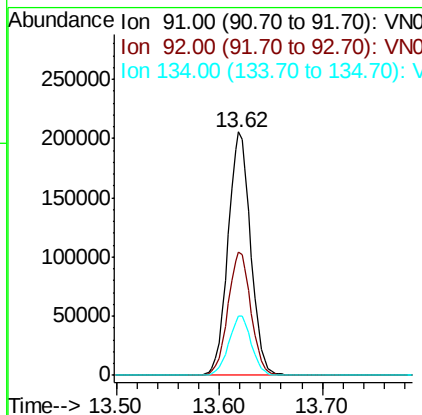
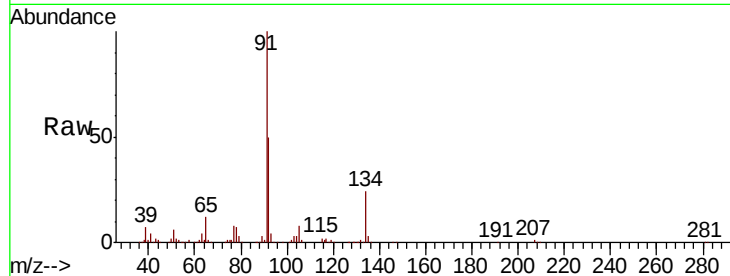
ClientSampleId :

VN1018WBSD01

Tot Ion:	91	Resp:	314087
Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.1
134	24.2	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.276 ug/l

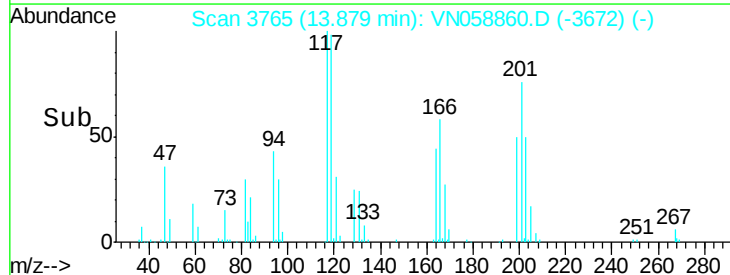
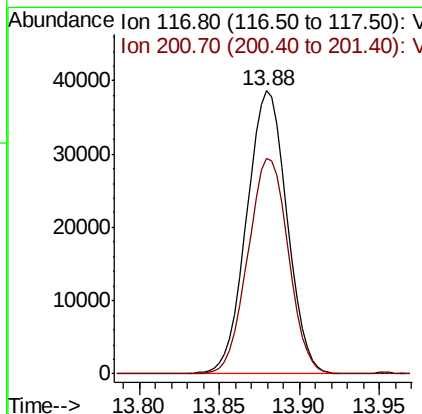
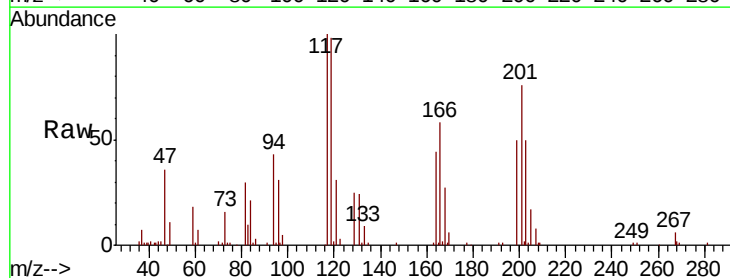
RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058860.D

Acq: 18 Oct 2019 16:04

Tgt Ion:	117	Resp:	66869
Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.9	116.6





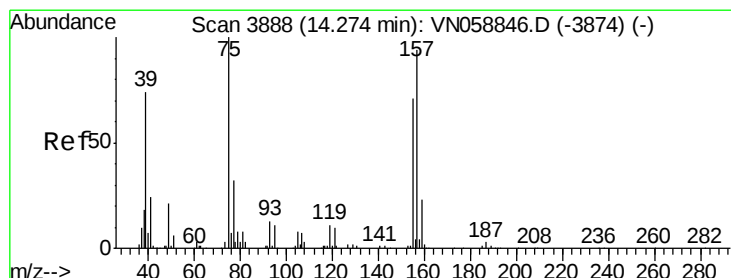
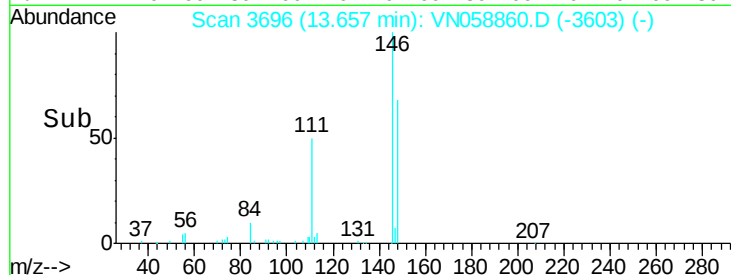
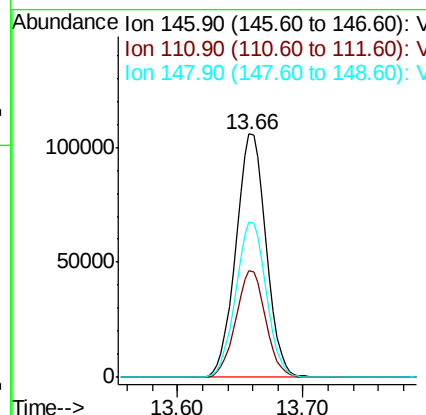
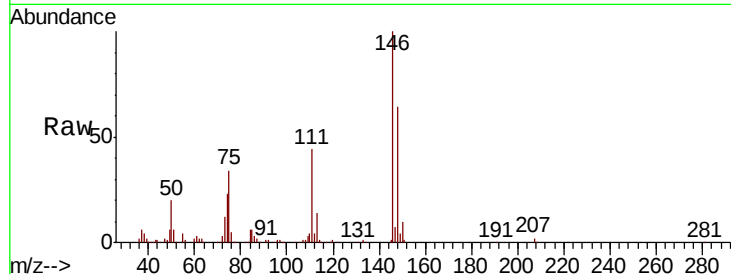
#91
 1,2-Dichlorobenzene
 Concen: 20.159 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.8
148	64.4	31.9	95.9

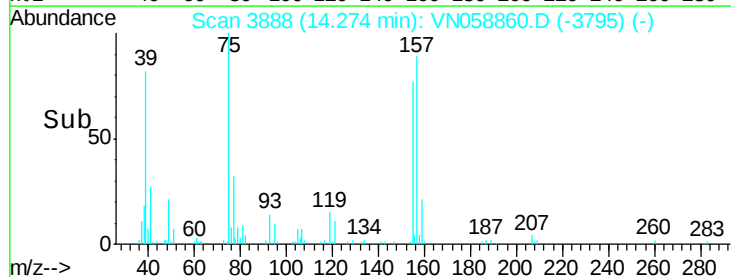
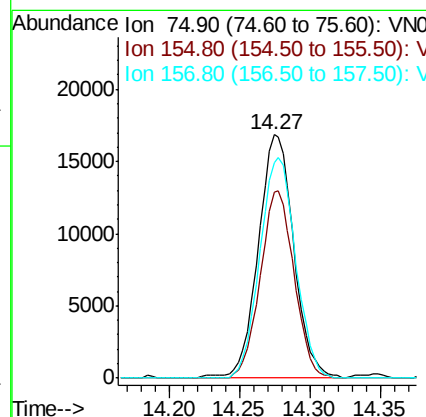
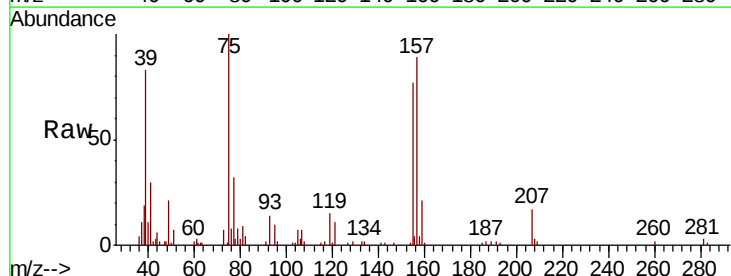
Manual Integrations
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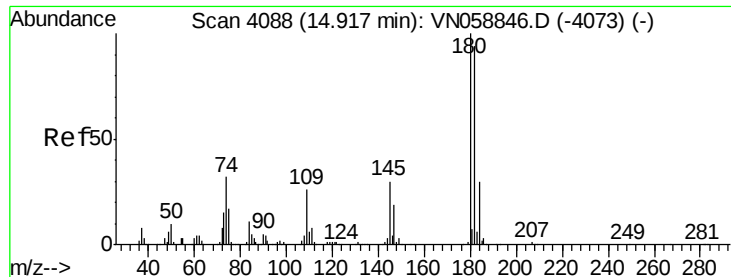
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.386 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.6	106.8
157	90.8	47.4	142.2





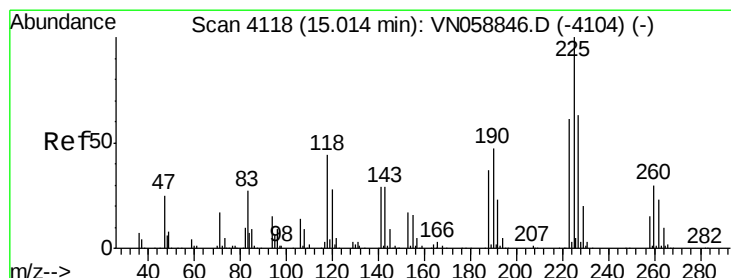
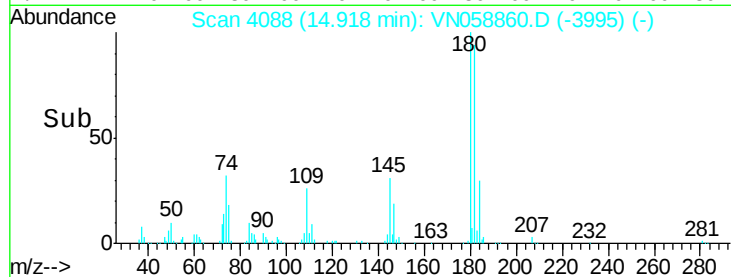
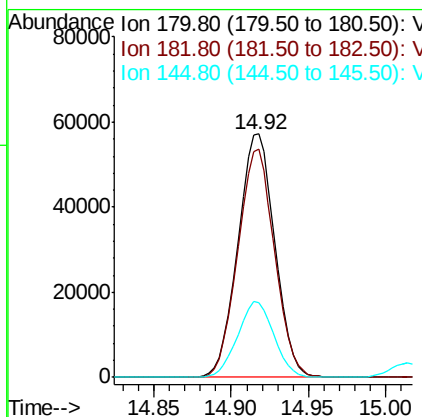
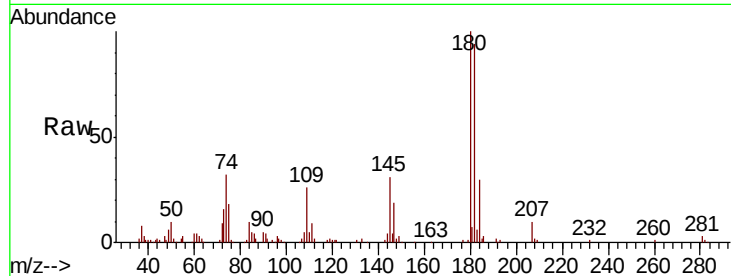
#93
 1,2,4-Trichlorobenzene
 Concen: 18.822 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	94822		
182	93.4	47.3	142.0	
145	30.6	15.3	45.8	

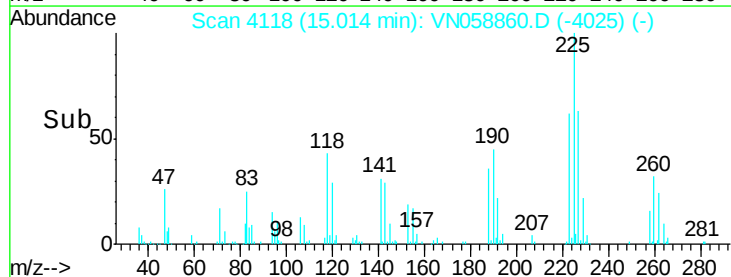
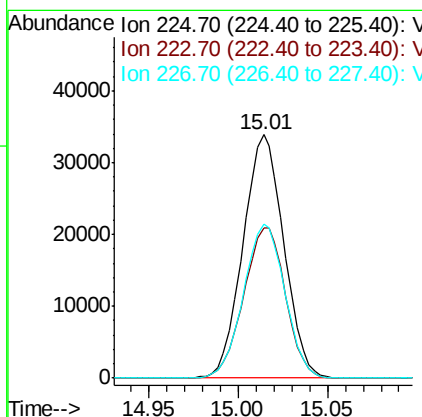
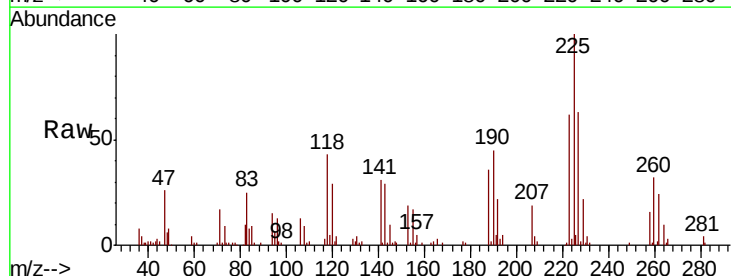
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 19.051 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058860.D
 Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54178		
223	63.3	30.9	92.5	
227	64.1	31.6	94.7	





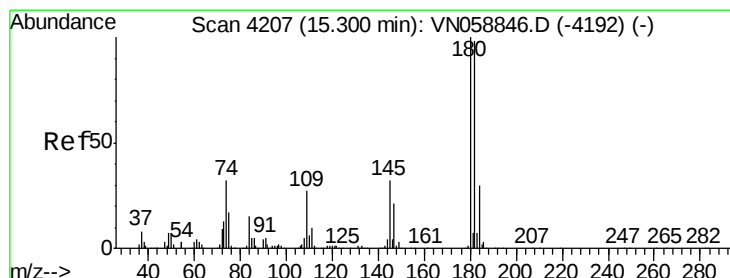
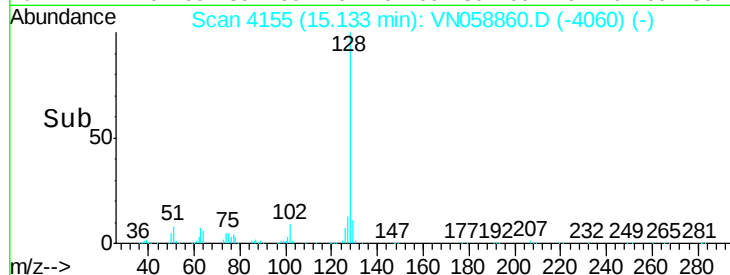
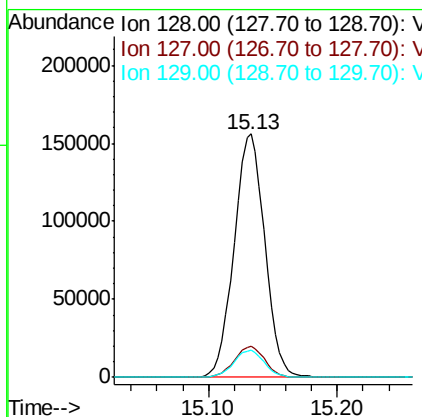
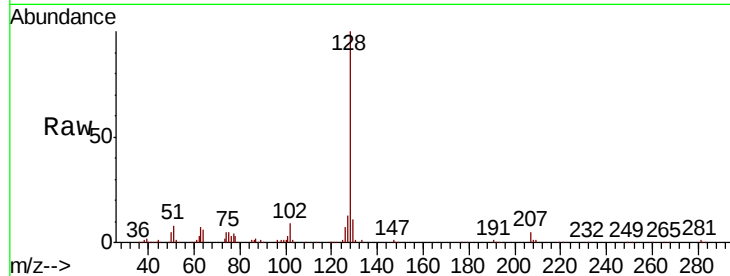
#95
Naphthalene
Concen: 17.715 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.4	12.6

Manual Integrations
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MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 18.826 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058860.D
Acq: 18 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	31.2	15.9	47.7

